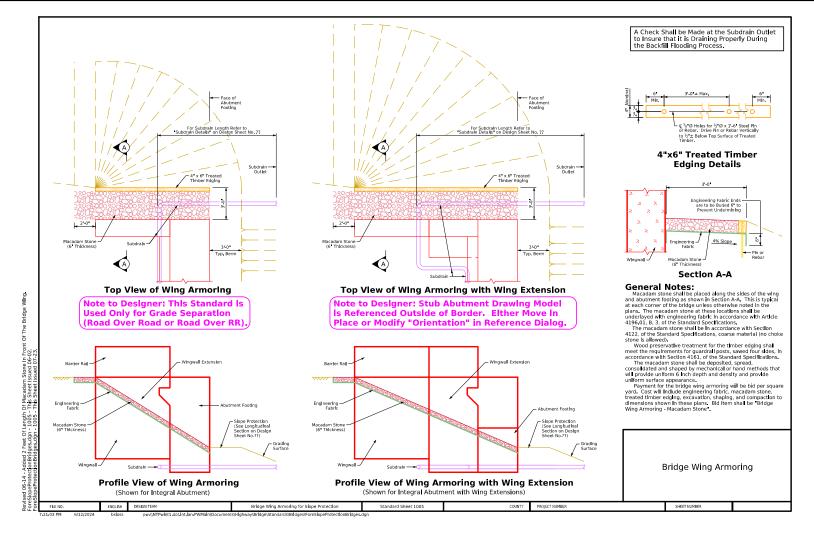
| In | dex of Foreslope Protection Standards |
|----------|---|
| Standard | Description |
| 1005 | Bridge Wing Armoring for Slope Protection |
| 1005A | Bridge Wing Armoring for Water Crossings |
| 1006 | Concrete Slope Protection - Stub Abutment |
| 1006A | Concrete Slope Protection - Integral Abutment |
| 1006B | Concrete Slope Protection - Integral Abutment |
| 1006C | Macadam Stone Slope Protection - Stub Abutment |
| 1006D | Macadam Stone Slope Protection - Integral Abutment |
| 1006E | Macadam Stone Slope Protection - Integral Abutment - 2 Span |
| 1007 | Subdrain Details for Concrete Slope Protection |
| 1007A | Subdrain Details for Macadam Stone Slope Protection |
| 1007B | Subdrain Details for 2 Span Bridges |
| 1007C | Subdrain Details for Water Crossings |
| 1007D | Granular Backfill Details for Non-Wing Extension Bridges |
| 1007E | Granular Backfill Details for Wing Extension Bridges |
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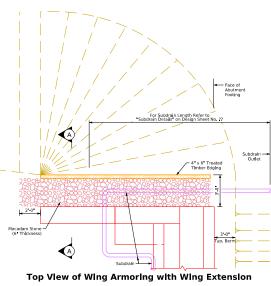
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 DESIGN TEAM
 Index of Foreslope Protection Bridge Standards
 Standard Sheet 100-FS
 COUNTY
 PROJECT NUMBER

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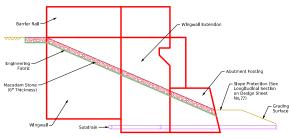
Index of Foreslope Standards

SHEET NUMBER





STUB ABUTMENT

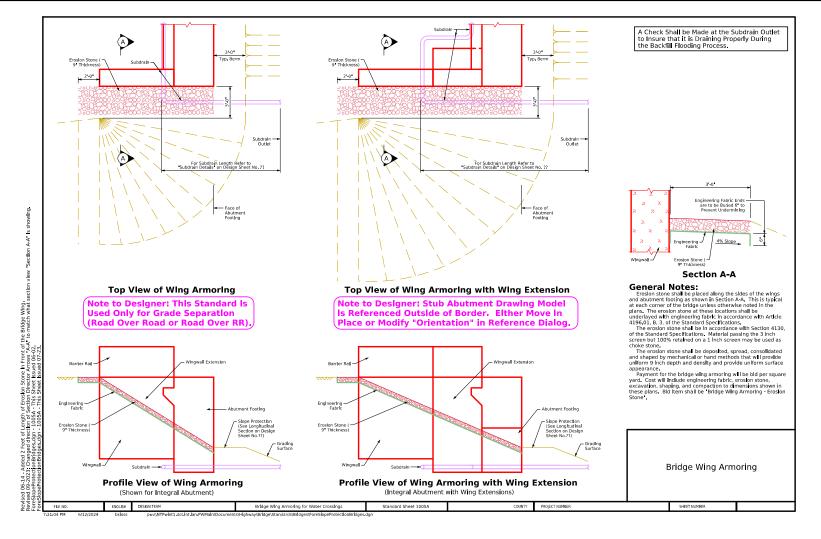


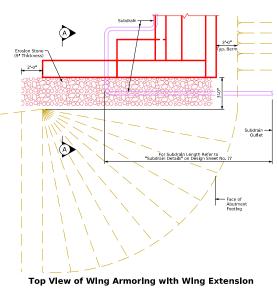
Profile View of Wing Armoring with Wing Extension (Stub Abutment with Wing Extensions)

Bridge Wing Armoring for Slope Protection

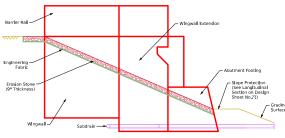
Standard Sheet 1005

Note to Designer: For Top of Revetment Elevation See Longitudinal Section on Design Sheet No. ??





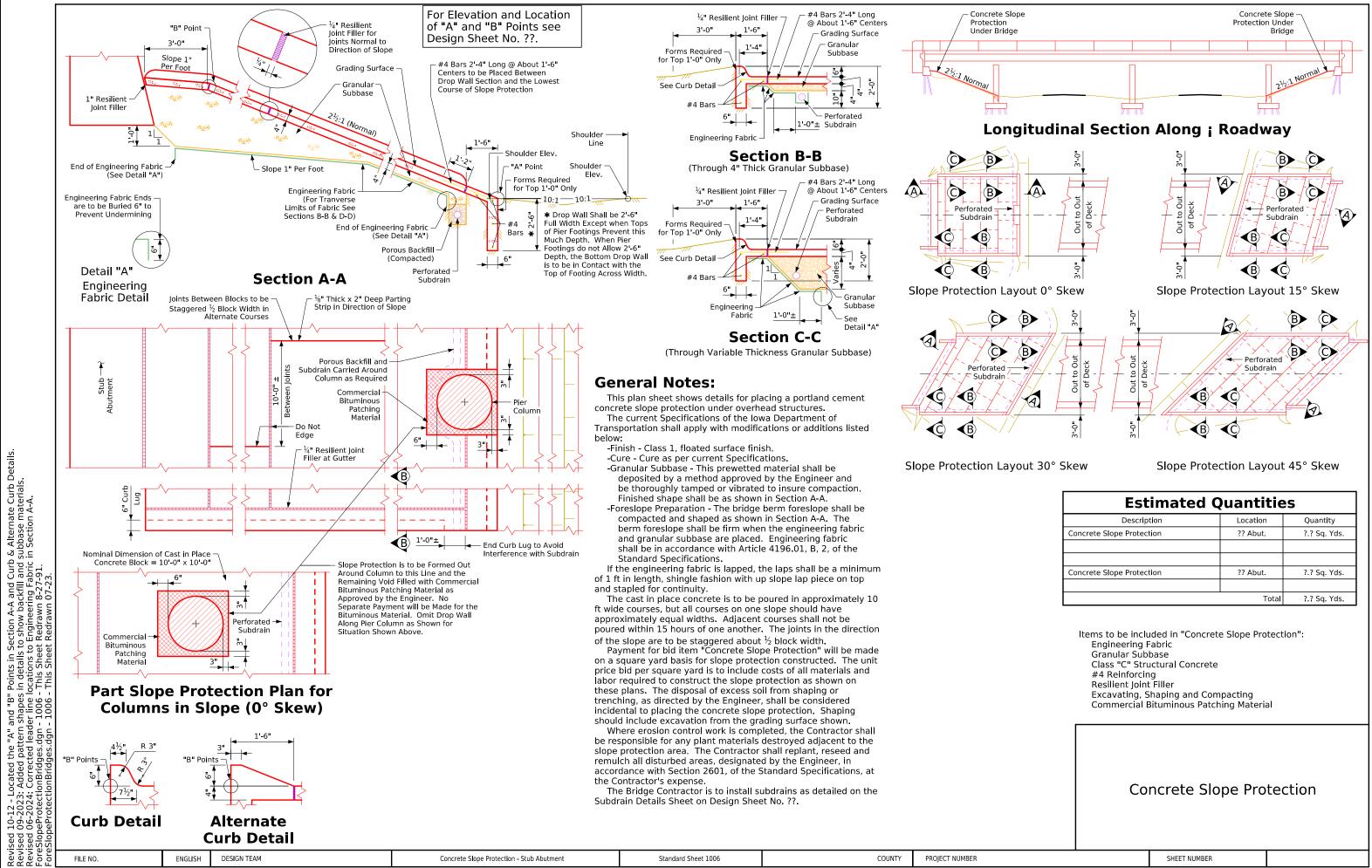
STUB ABUTMENT



Profile View of Wing Armoring with Wing Extension (Stub Abutment with Wing Extensions)

Bridge Wing Armoring for Water Crossings

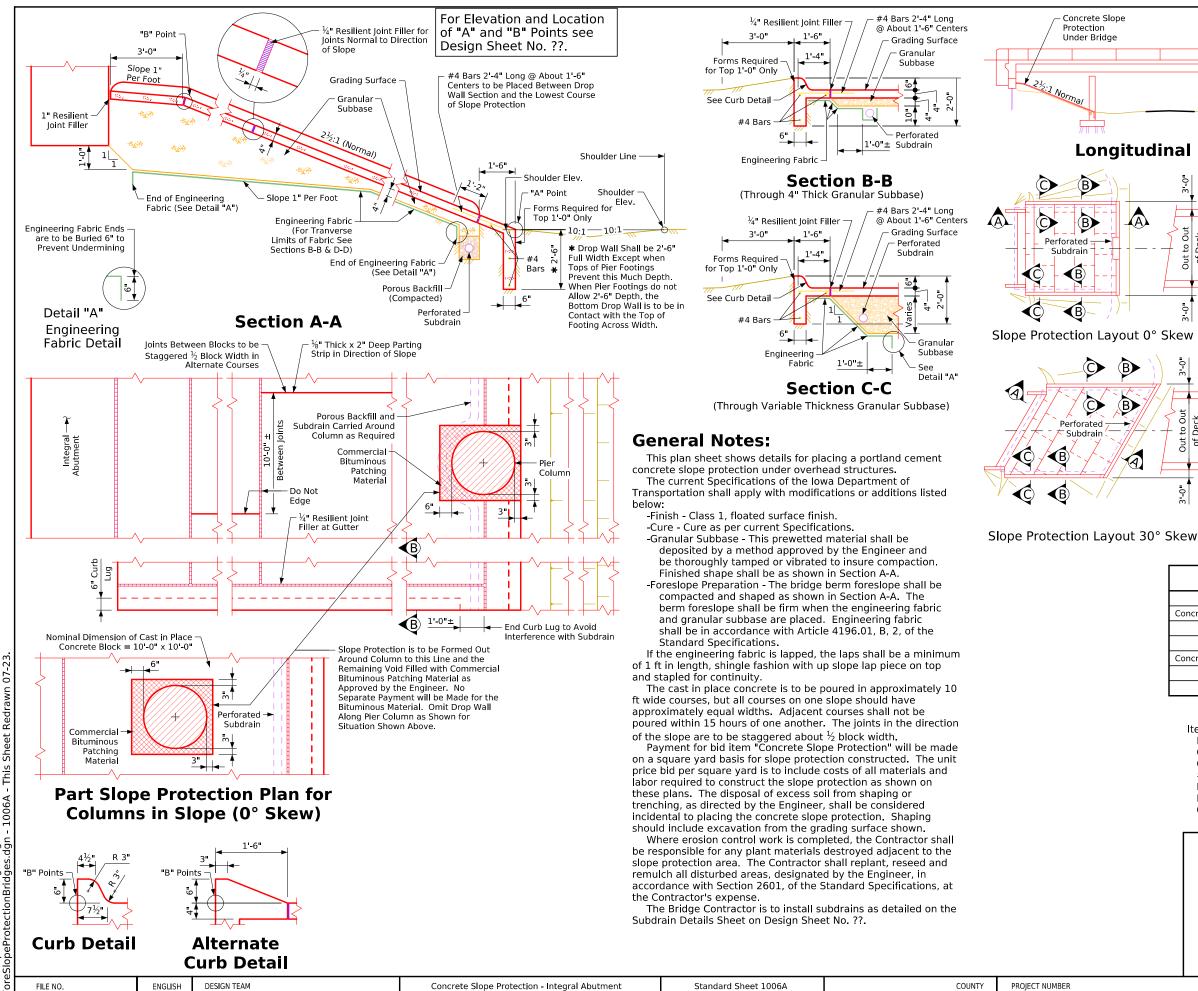
Standard Sheet 1005A



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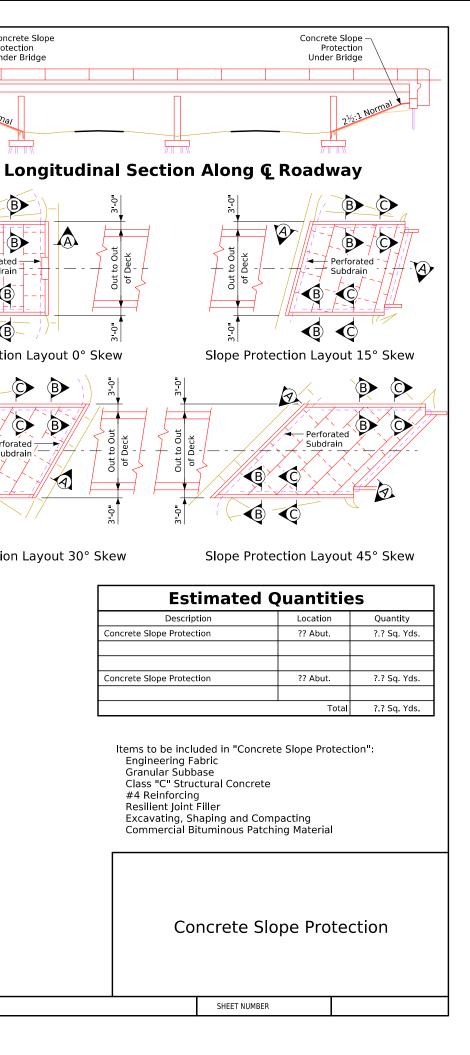
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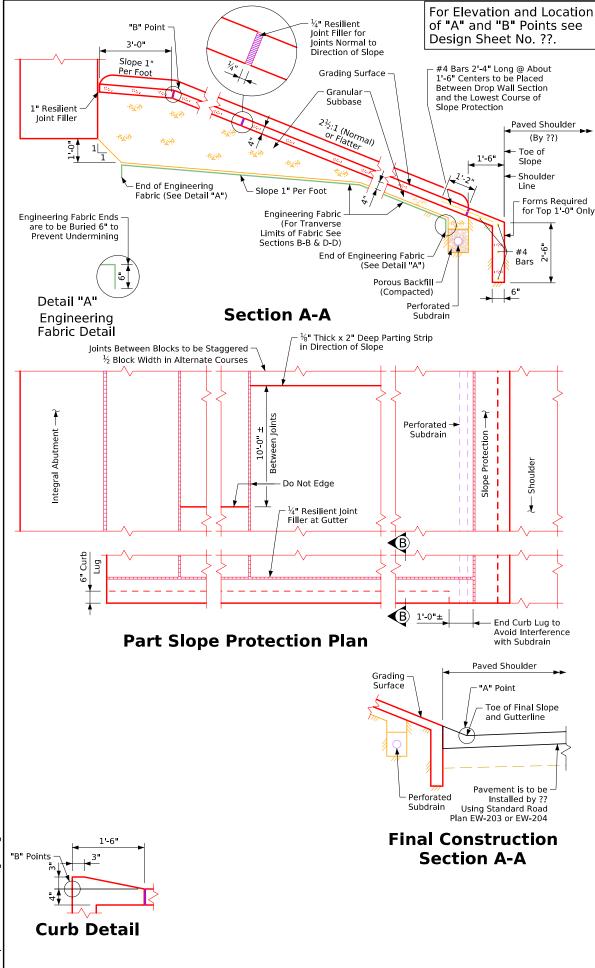


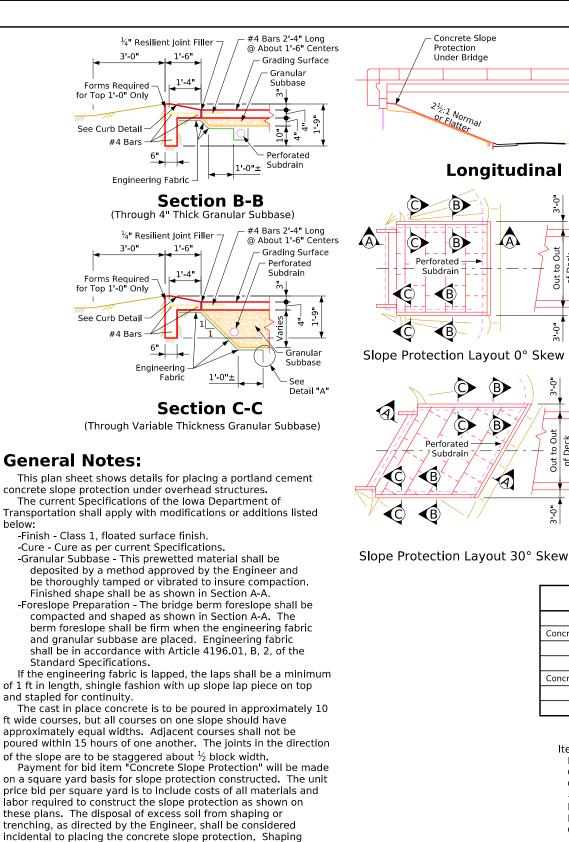
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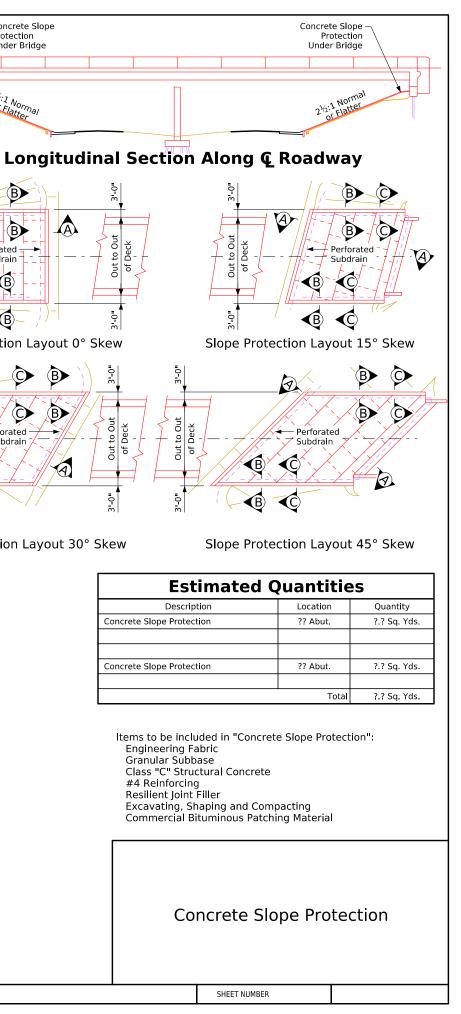


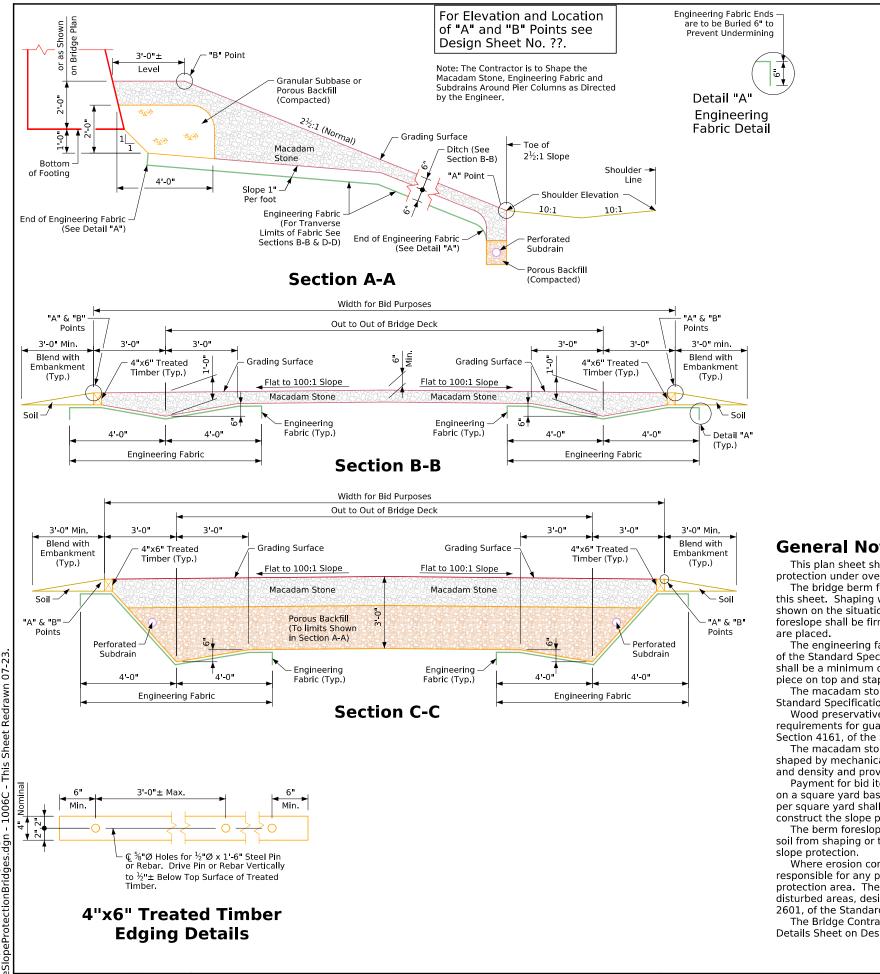
should include excavation from the grading surface shown. Where erosion control work is completed, the Contractor shall be responsible for any plant materials destroyed adjacent to the slope protection area. The Contractor shall replant, reseed and remulch all disturbed areas, designated by the Engineer, in accordance with Section 2601, of the Standard Specifications, at the Contractor's expense.

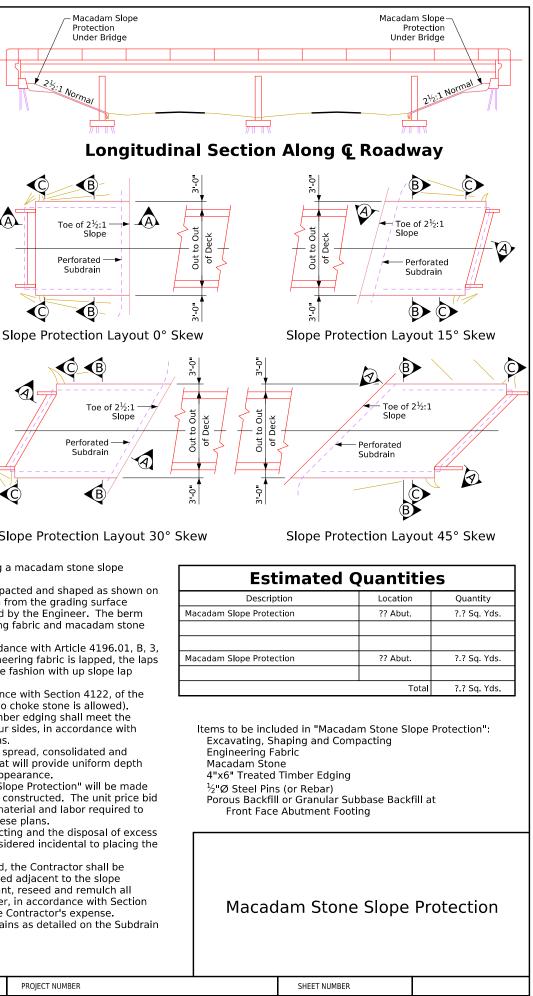
The Bridge Contractor is to install subdrains as detailed on the Subdrain Details Sheet on Design Sheet No. ??.

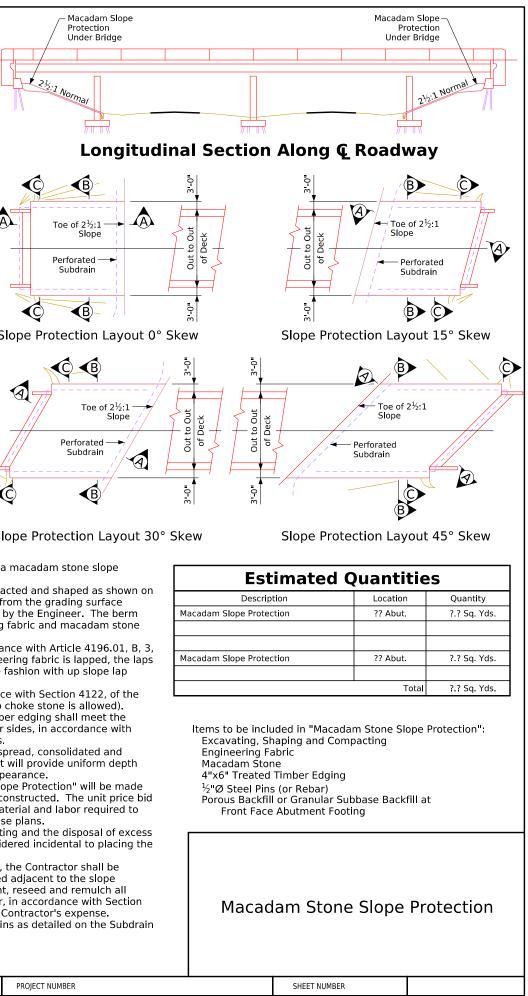
| FILE NO. | | ENGLISH | DESIGN TEAM | Concrete Slope Protection - Integral Abutment | Standard Sheet 1006B | COUNTY | PROJECT NUMBER |
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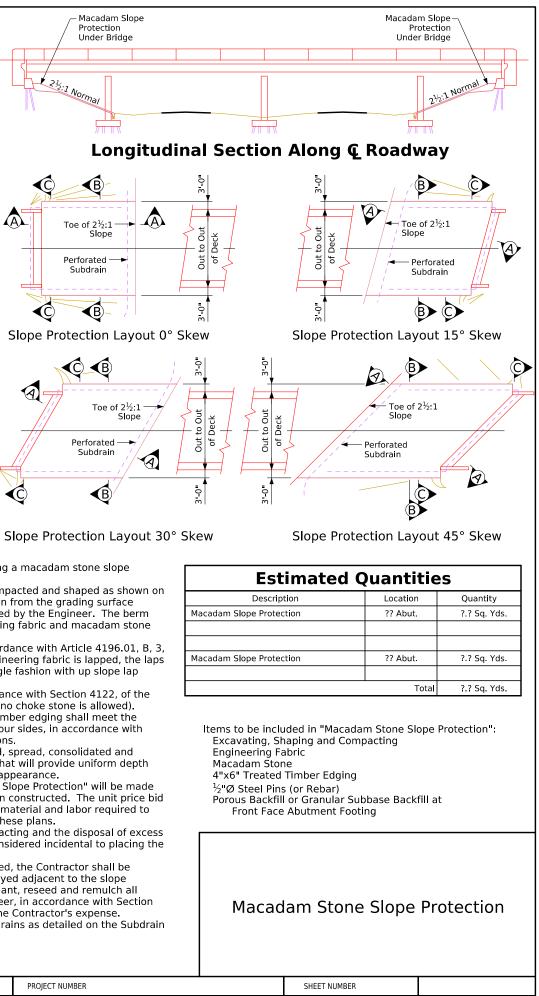
below:











General Notes:

This plan sheet shows details for placing a macadam stone slope protection under overhead structures.

The bridge berm foreslope shall be compacted and shaped as shown on this sheet. Shaping will include excavation from the grading surface shown on the situation plan and as directed by the Engineer. The berm foreslope shall be firm when the engineering fabric and macadam stone

The engineering fabric shall be in accordance with Article 4196.01, B, 3, of the Standard Specifications. If the engineering fabric is lapped, the laps shall be a minimum of 1 ft in length, shingle fashion with up slope lap piece on top and stapled for continuity.

The macadam stone shall be in accordance with Section 4122, of the Standard Specifications, coarse material (no choke stone is allowed).

Wood preservative treatment for the timber edging shall meet the requirements for guardrail posts, sawed four sides, in accordance with Section 4161, of the Standard Specifications.

The macadam stone shall be deposited, spread, consolidated and shaped by mechanical or hand methods that will provide uniform depth and density and provide uniform surface appearance.

Payment for bid item "Macadam Stone Slope Protection" will be made on a square yard basis for slope protection constructed. The unit price bid per square yard shall include all costs for material and labor required to construct the slope protection shown on these plans.

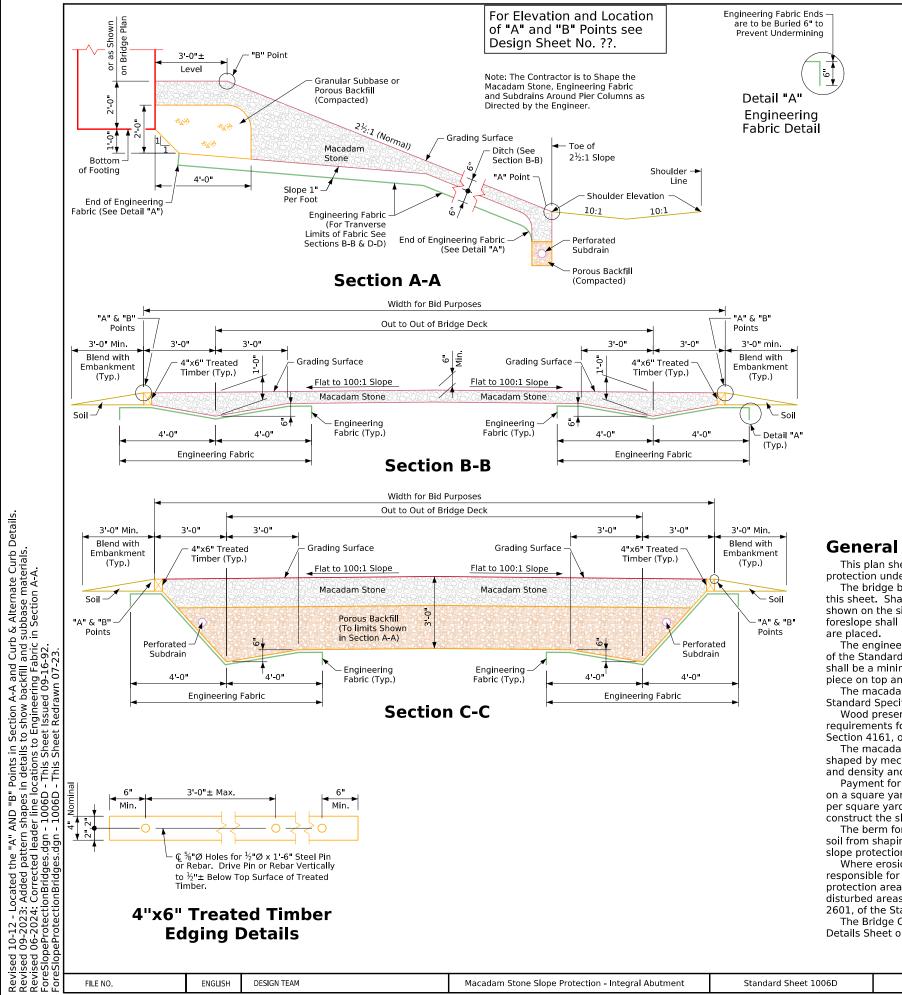
The berm foreslope shaping and compacting and the disposal of excess soil from shaping or trenching shall be considered incidental to placing the

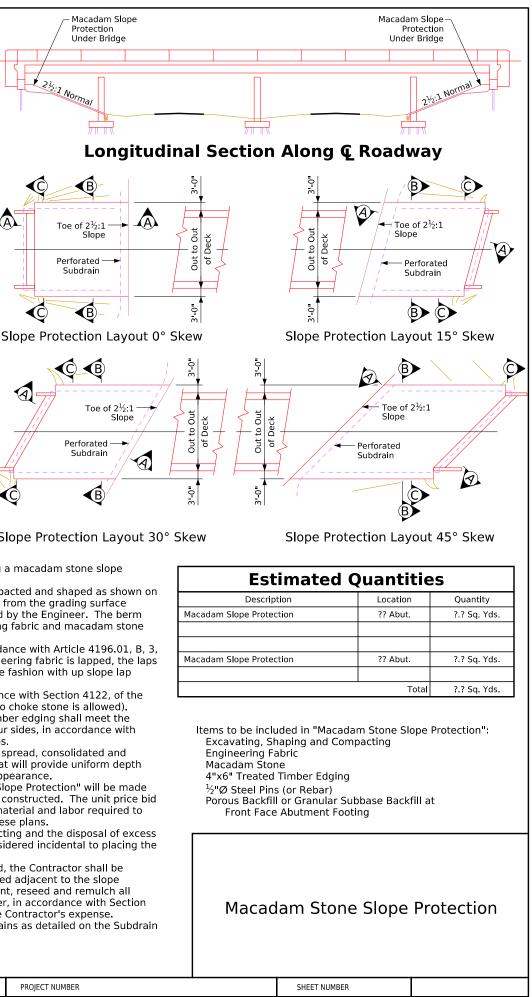
Where erosion control work is completed, the Contractor shall be responsible for any plant materials destroyed adjacent to the slope protection area. The Contractor shall replant, reseed and remulch all disturbed areas, designated by the Engineer, in accordance with Section 2601, of the Standard Specifications, at the Contractor's expense.

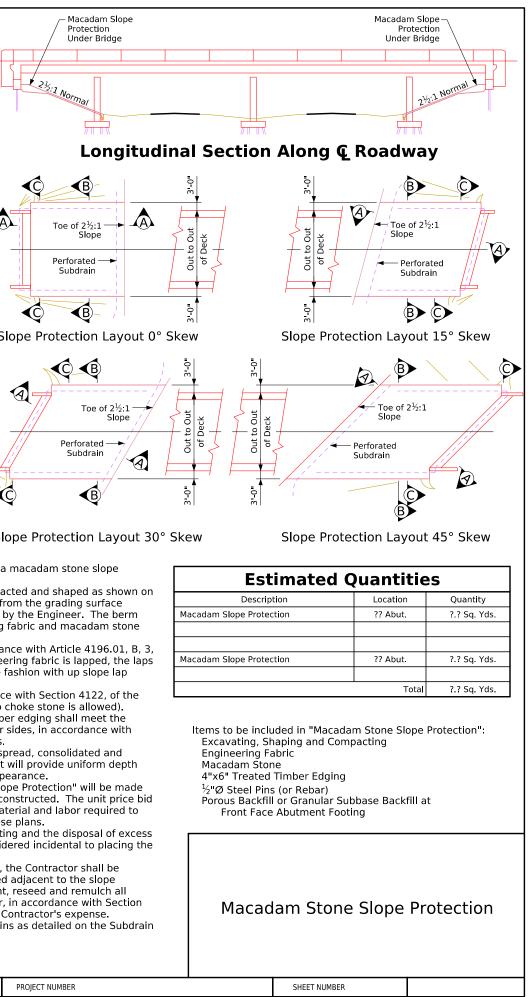
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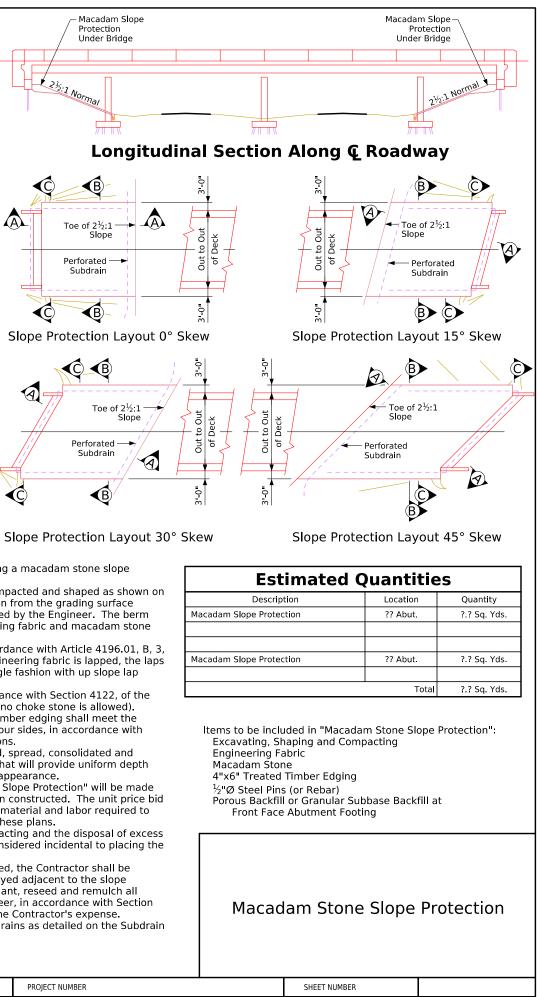
| Fore | FILE NO. | | ENGLISH | DESIGN TEAM | Macadam Stone Slope Protection - Stub Abutment | Standard Sheet 1006C | COUNTY | PROJECT NUMBER | |
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subbase materials 1 Section A-A. Is to show backfill and s heet Issued 09-16-92. heet Revirawn 07-23. Points in S in details - This She Revised 10-12 - Located the "A" and "B" Revised 09-2023: Added pattern shapes ForeSlopeProtectionBridges.dgn - 1006C ForeSlopeProtectionBridges.dgn - 1006C









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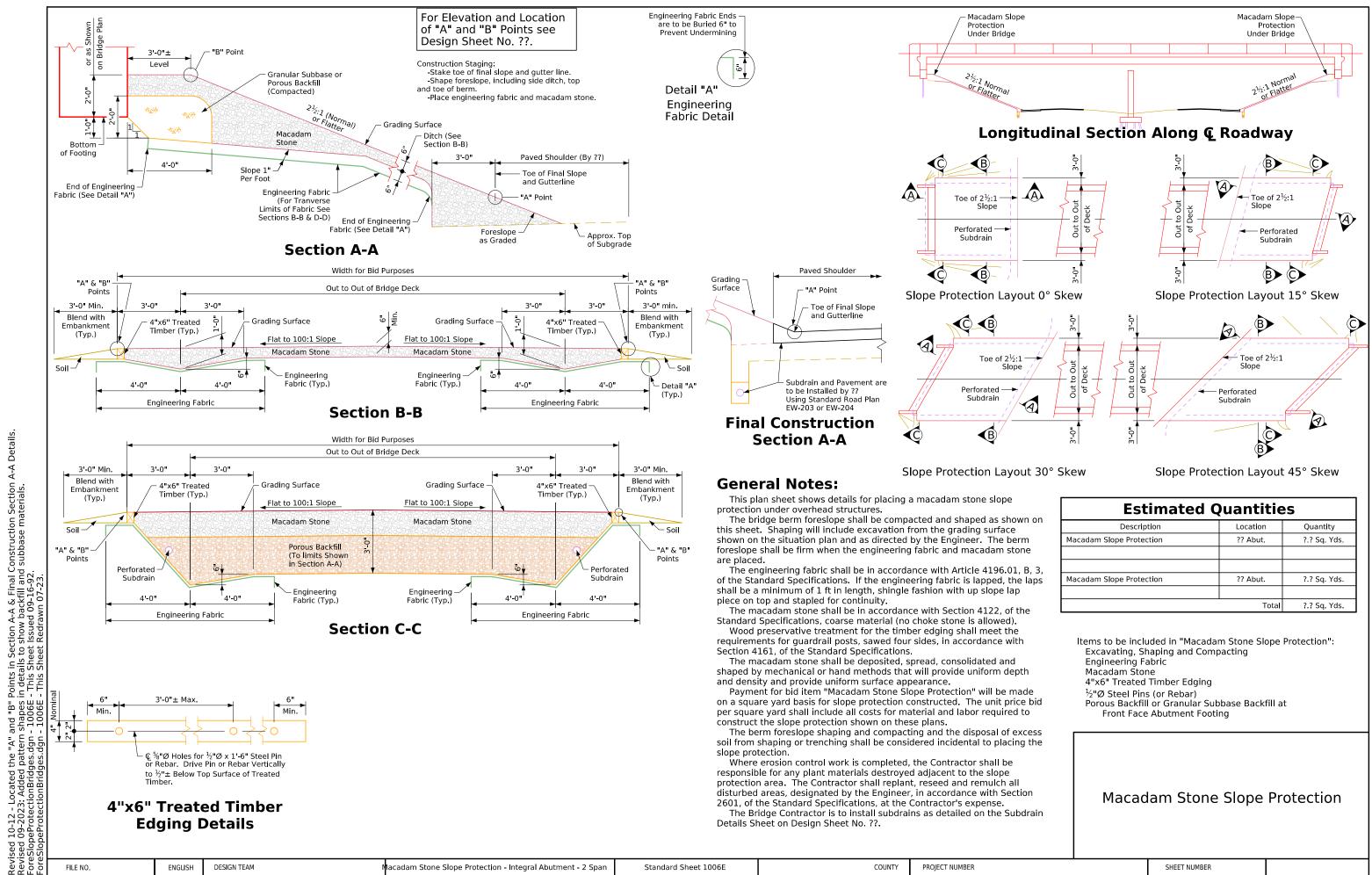
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| Fore | FILE NO. | | ENGLISH | DESIGN TEAM | Macadam Stone Slope Protection - Integral Abutment | Standard Sheet 1006D | COUNTY | PROJECT NUMBER |
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10-12 - Located the "A" and "B" 09-2023: Added pattern shapes oeProtectionBridges.dgn - 1006E ised (Revis 7:21:09 PM

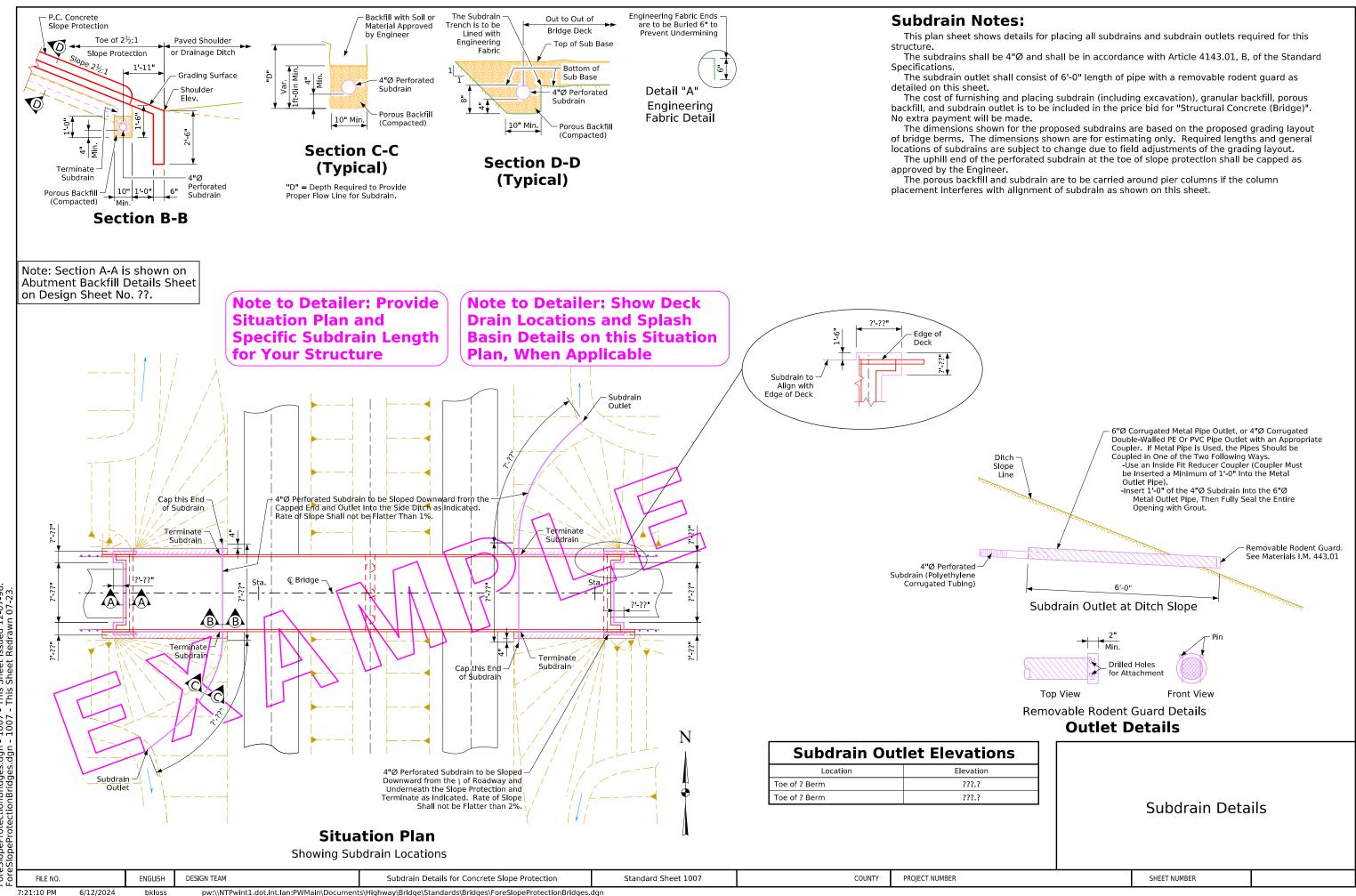
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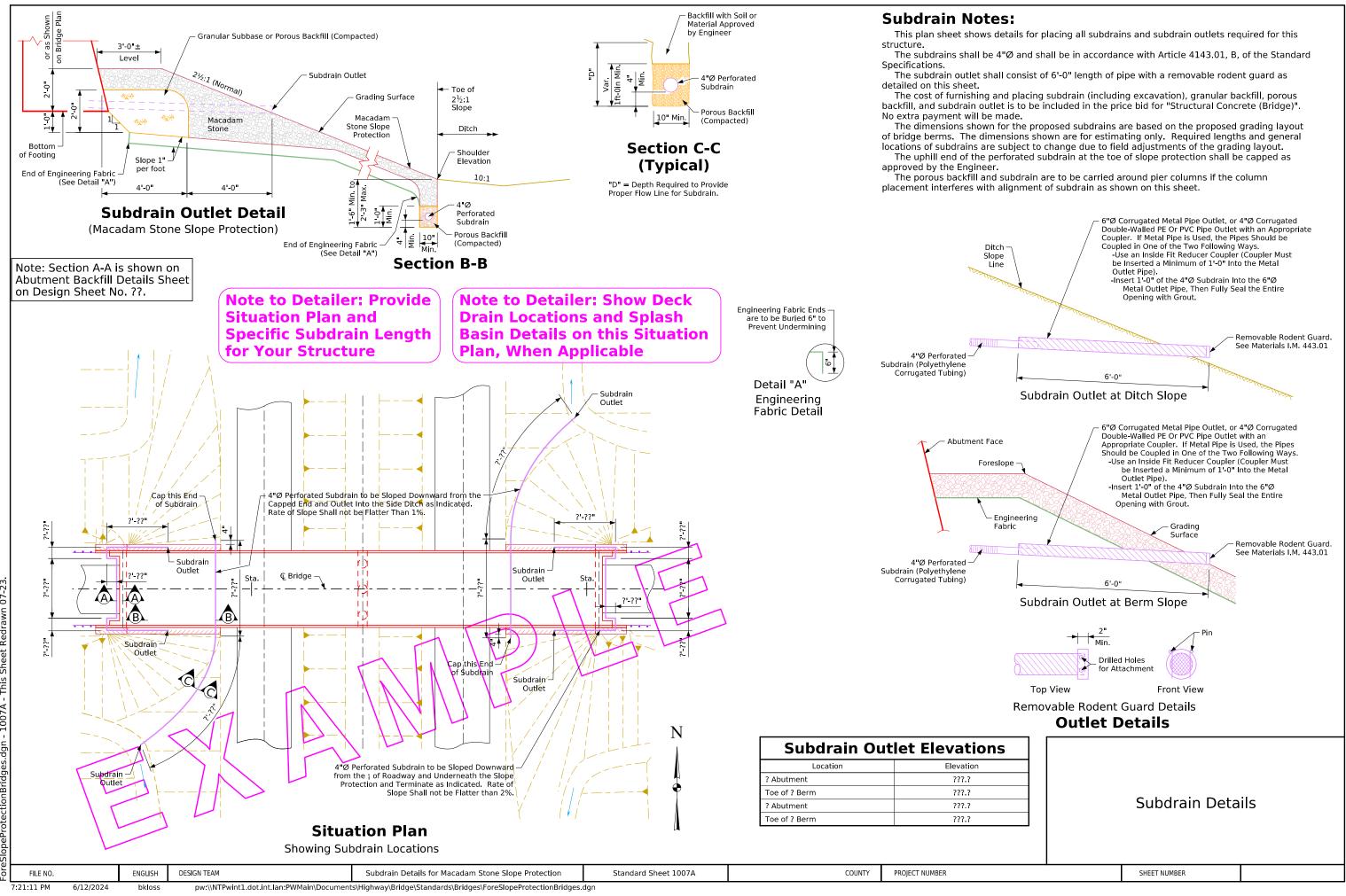


showing a dual dimension of 12"). (was B-B -11 - The Berm Slope is Identified as the Grading Surface in Section B-B. -2023: Added pattern shapes in details to show backfill and subbase materials. -2024: Corrected the 1'-0" horizontal dimension to the Porous Backfill dimension in Section rotectionBridges.dgn - 1007 - This Sheet Reviewn 07-23. tevised 07-tevised 09-tevised 06-oreSlopePr

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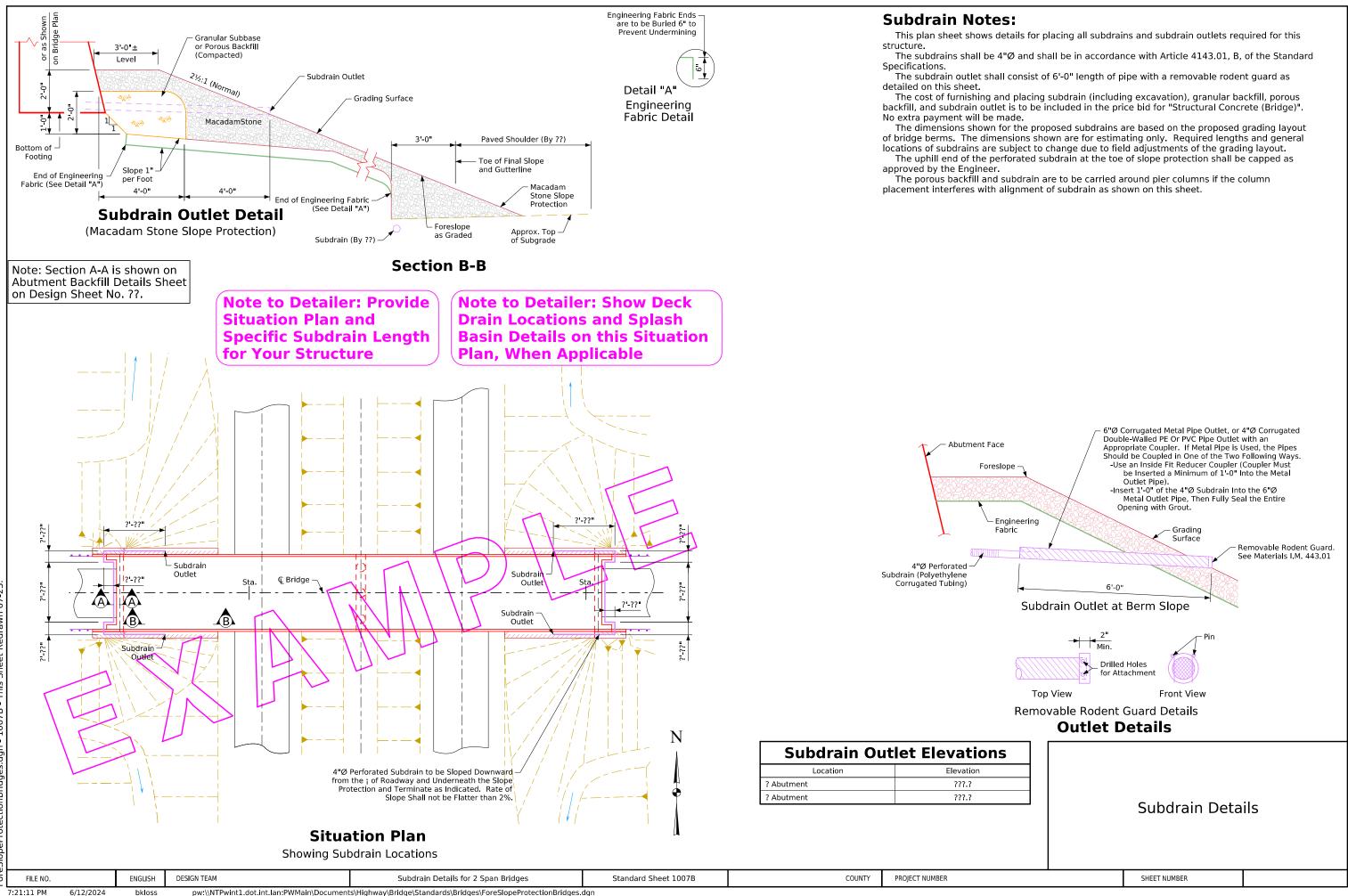


(was text Point (is Identified as the Grading Surface. Is shapes in details to show backfill and subbase materials. Ine locations to Engineering Fabric in Section B-B. Changed Control - 1007A - This Sheet Bachawin 07.23. 7-11 - The Berm Slope is 9-2023: Added pattern s 5-2024: Added leader lin ProtectionBridges.dgn -Revised 07-: Revised 09-: Revised 06-2 ForeSlopePro

Mark).

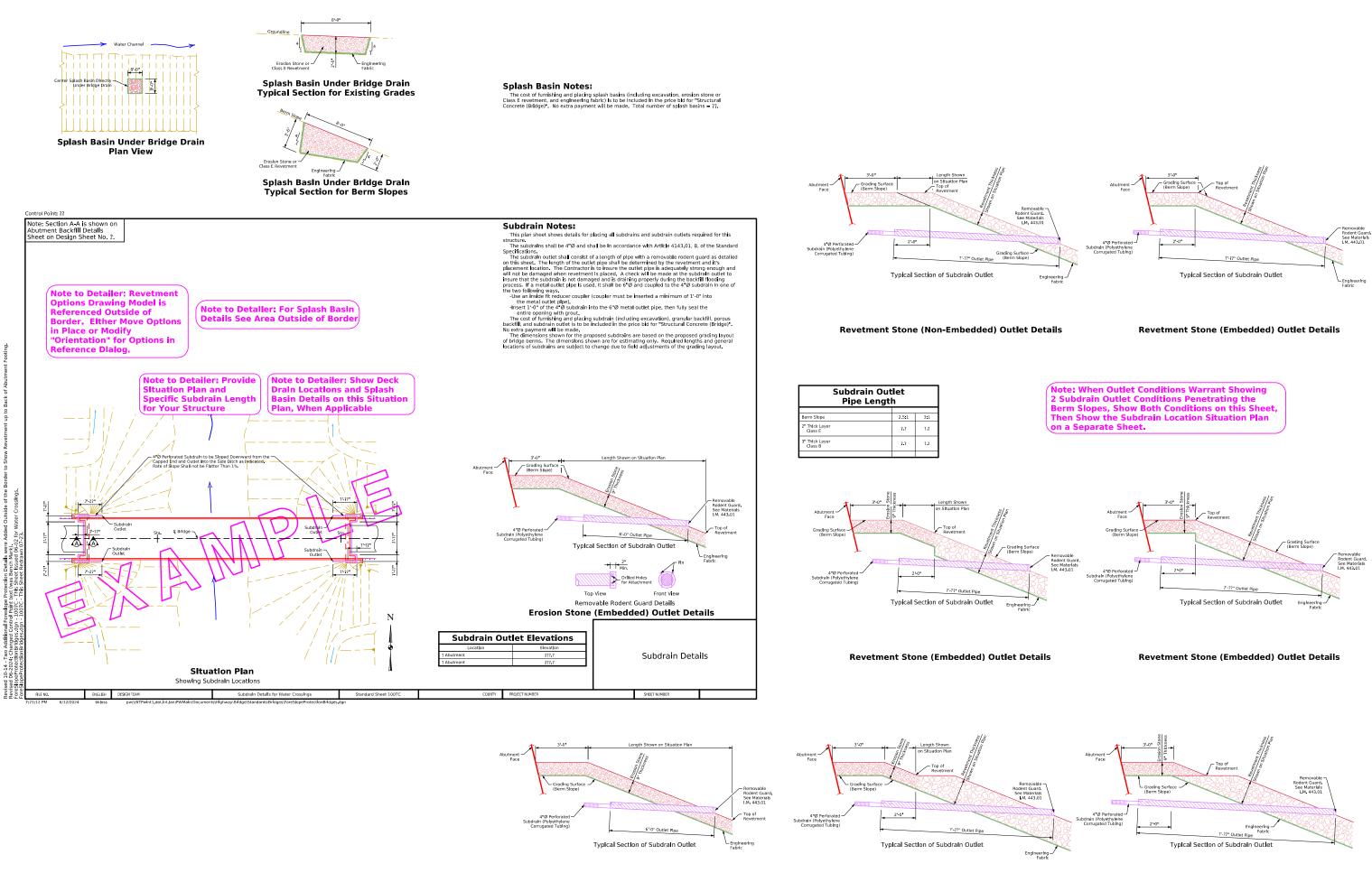
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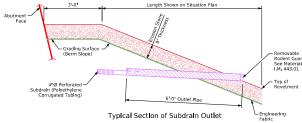
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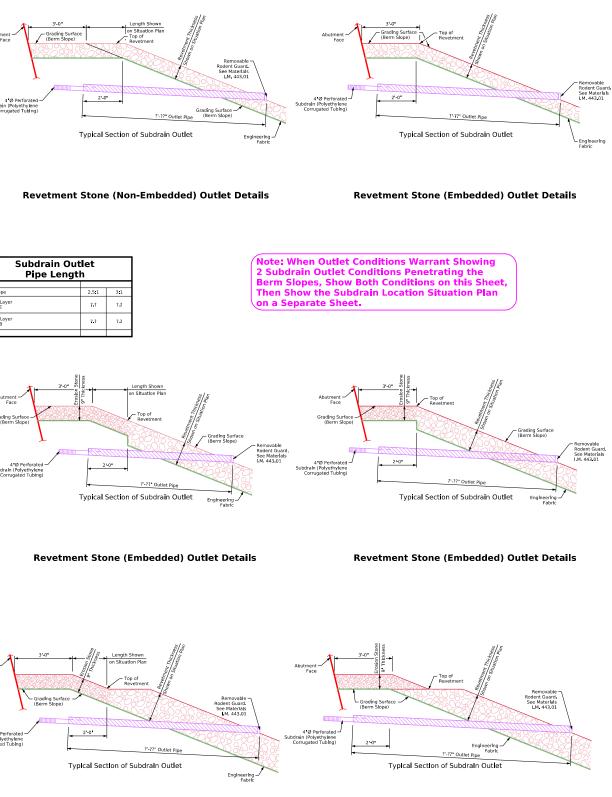


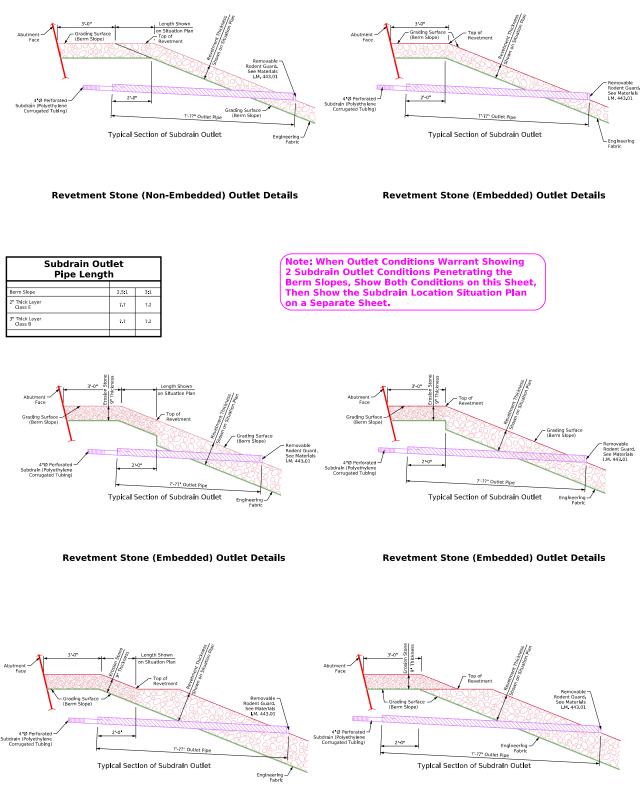
Point text (was Control -11 - The Berm Slope is Identified as the Grading Surface. -2023: Added pattern shapes in details to show backfill and subbase materials. -2024: Corrected leader line locations to Engineering Fabric in Section A-A. Changed rotectionBridges.dpn - 1007B - This Sheet Issued 06-02. Sheet | tevised 07-tevised 09-tevised 06-oreSlopePr

Bench Mark).









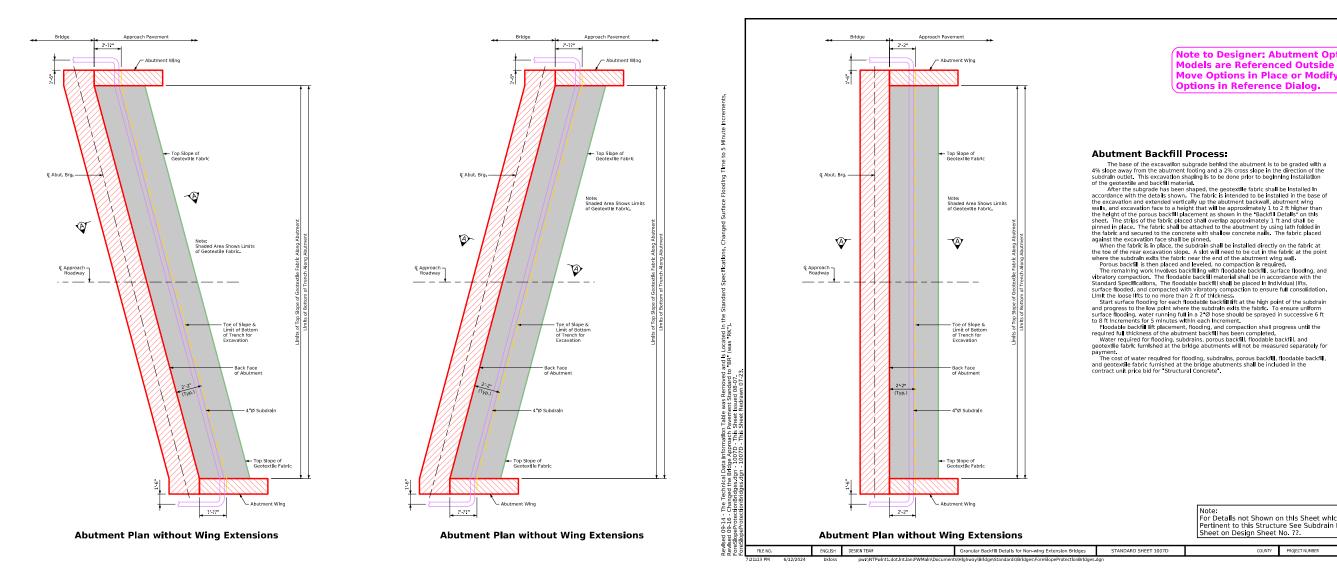
Subdrain Details for Water Crossings

Standard Sheet 1007C

Erosion Stone (Non-Embedded) Outlet Details

Revetment Stone (Non-Embedded) Outlet Details

Revetment Stone (Non-Embedded) Outlet Details



Granular Backfill Details for Non-wing Extension Bridges

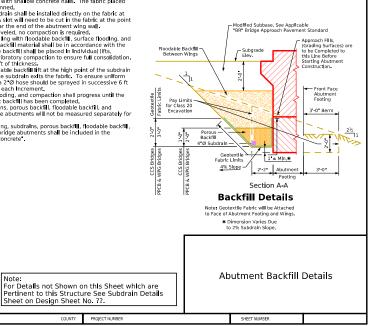
STANDARD SHEET 1007D

Note to Designer: Abutment Options Drawing Models are Referenced Outside of Border. Either Move Options in Place or Modify "Orientation" for **Options in Reference Dialog.**

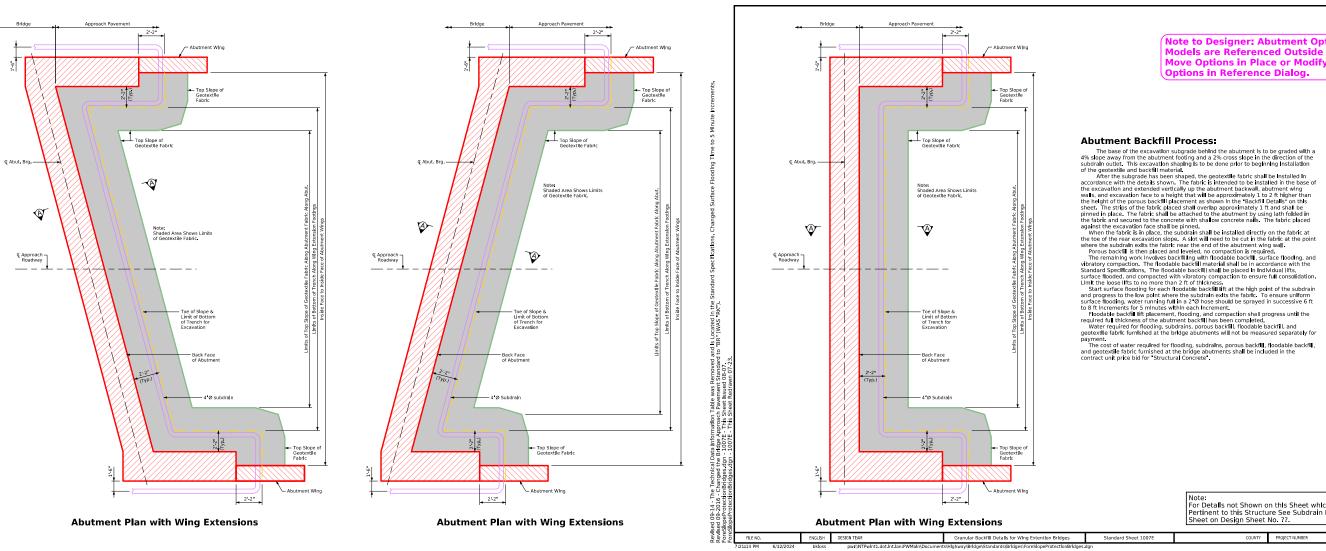
Note:

Note:

Subtrain shall slope downward 2% from C approach roadway when outletting both sides of the abutment. Subdrain shall slope downward 2% from high end when outletting at one end of the abutment. The geotextile fabric shall be in accordance with Article 4196.01, 8, 6 of the Standard Specifications. If the engineering fabric is lapped the lage shall be a minimum of 1 f. In length, single fashion with up slope lap piece on top and stapled for continuity.



COUNTY PROJECT NUMB



Granular Backfill Details for Wing Extention Bridges Standard Sheet 1007E

Note to Designer: Abutment Options Drawing Models are Referenced Outside of Border. Either Move Options in Place or Modify "Orientation" for **Options in Reference Dialog.**

Note:

COUNTY PROJECT NUM

Note:

Subdrain shall slope downward 2% from Q approach roadway when outletting both sides of the abutment. Subdrain shall slope downward 2% from high end when outletting at one end of the abutment. The geotextile fabric shall be in accordance with Article 4196.01, 8, 6 of the Standard Specifications. If the engineering fabric is lapped the laps shall be a minimum of 1 ft. In length, shingle fashion with up slope lap piece on top and stapled for continuity.

