

03/14/2016 04:11:05

**RULE NOs.: R161-16.21
& R161-16.22**

ADOPTION DATE: November 14, 2016

NOTICE OF RULE ADOPTION

By: Joseph G. Pantalion, P.E., Director
Watershed Protection Department

The Director of the Watershed Protection Department has adopted the following rules. Notice of the proposed rules was posted on October 5, 2016. Public comment on the proposed rules was solicited in the October 5, 2016 notice. This notice is issued under Chapter 1-2 of the City Code. The adoption of a rule may be appealed to the City Manager in accordance with Section 1-2-10 of the City Code as explained below.

A copy of the complete text of the adopted rules is available for public inspection and copying at the following locations. Copies may be purchased at the locations at a cost of ten cents per page:

Watershed Protection Department, located at 505 Barton Springs Road, Suite 1200, Austin, TX, 78704; and

Office of the City Clerk, City Hall, located at 301 West 2nd Street, Austin, Texas.

EFFECTIVE DATE OF ADOPTED RULES

A rule adopted by this notice is effective on November 14, 2016.

TEXT OF ADOPTED RULES

R161-16.21: Revisions to the Standard Specifications Manual as follows:

Item 601S – Salvage and Placement of Topsoil

- Revised the submittals; removed reference to TxDOT specifications; revised description of topsoil; added organic matter and salinity requirements for imported topsoil; added description and requirements/parameter for compost; updated references for SS608S and SS609S; and added decompaction requirements for proposed planting areas.

New Item 661S – Soil Decompaction

- Added soil decompaction specifications.

R161-16.22: Revisions to the Standards Manual as follows:

SPD 660-3 and SPD 660-4 – Rain Garden Typical Inlet Details 1 and 2

- Reduced splash pad area and provided dimensions for drop from back of curb to top of splash pad area to improve function and reduce maintenance of rain gardens.

New Details

- **625S-2A** – Grade Control Riffle Structure with Embedded Toe
- **625S-2B** – Grade Control Structure Rock Riffle with Preformed Scour Pool
- **625S-3A** - Grade Control Structure Rock Riffle with Concrete Crest and Embedded Toe
- **625S-3B** - Grade Control Structure Rock Riffle with Concrete Crest and Preformed Scour Pool
- **625S-4A** - Grade Control Structure Rock Riffle with Boulder Crest and Embedded Toe
- **625S-4B** - Grade Control Structure Rock Riffle with Boulder Crest and Preformed Scour Pool
- **625S-5A** - Grade Control Structure Rock Riffle with Wastewater Crossing and Embedded Toe
- **625S-5B** - Grade Control Structure Rock Riffle with Wastewater Crossing with Preformed Scour Pool
- **625S-6** – Straight Stepped Rock Drop

CHANGES FROM PROPOSED RULES

R161-16.21: No changes were made from the proposed rule.

R161-16.22: No changes were made from the proposed rule.

LIST OF COMMENTS RECEIVED AND DEPARTMENT RESPONSES TO COMMENTS

R161-16.21: No comments were received.

R161-16.22: No comments were received.

AUTHORITY FOR ADOPTION OF RULE

The authority and procedure for the adoption of a rule to assist in the implementation, administration, or enforcement of a provision of the City Code is established in Chapter 1-2 of the City Code. The authority to regulate water quality is established in Chapter 25-8 of the City Code.

APPEAL OF ADOPTED RULE TO CITY MANAGER

A person may appeal the adoption of a rule to the City Manager. **AN APPEAL MUST BE FILED WITH THE CITY CLERK NOT LATER THAN THE 30TH DAY AFTER THE DATE THIS NOTICE OF RULE ADOPTION IS POSTED. THE POSTING DATE IS NOTED ON THE FIRST PAGE OF THIS NOTICE.** If the 30th day is a Saturday, Sunday, or official city holiday, an appeal may be filed on the next day which is not a Saturday, Sunday, or official city holiday.

An adopted rule may be appealed by filing a written statement with the City Clerk. A person who appeals a rule must (1) provide the person's name, mailing address, and telephone number; (2) identify the rule being appealed; and (3) include a statement of specific reasons why the rule should be modified or withdrawn.

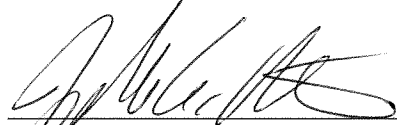
Notice that an appeal was filed and will be posted by the city clerk. A copy of the appeal will be provided to the City Council. An adopted rule will not be enforced pending the City Manager's decision. The City Manager may affirm, modify, or withdraw an adopted rule. If the City Manager does not act on an appeal on or before the 60th day after the date the notice of rule adoption is posted, the rule is withdrawn. Notice of the City Manager's decision on an appeal will be posted by the city clerk and provided to the City Council.

On or before the 16th day after the city clerk posts notice of the City Manager's decision, the City Manager may reconsider the decision on an appeal. Not later than the 31st day after giving written notice of an intent to reconsider, the City manager shall make a decision.

CERTIFICATION BY CITY ATTORNEY

By signing this Notice of Rule Adoption (R161-16.21 & R161-16.22), the City Attorney certifies that the City Attorney has reviewed the rules and finds that adoption of the rules is a valid exercise of the Director's administrative authority.

REVIEWED AND APPROVED



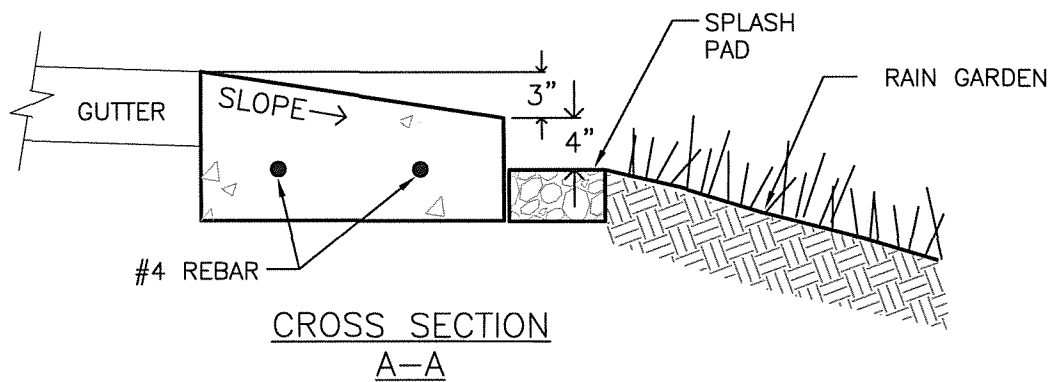
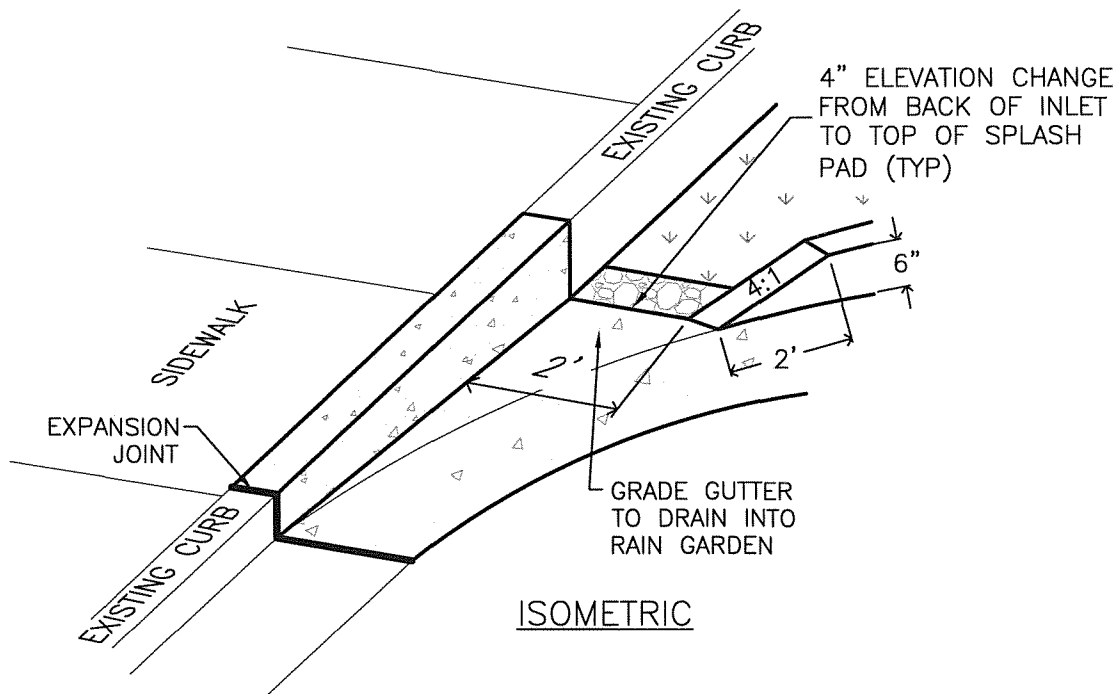
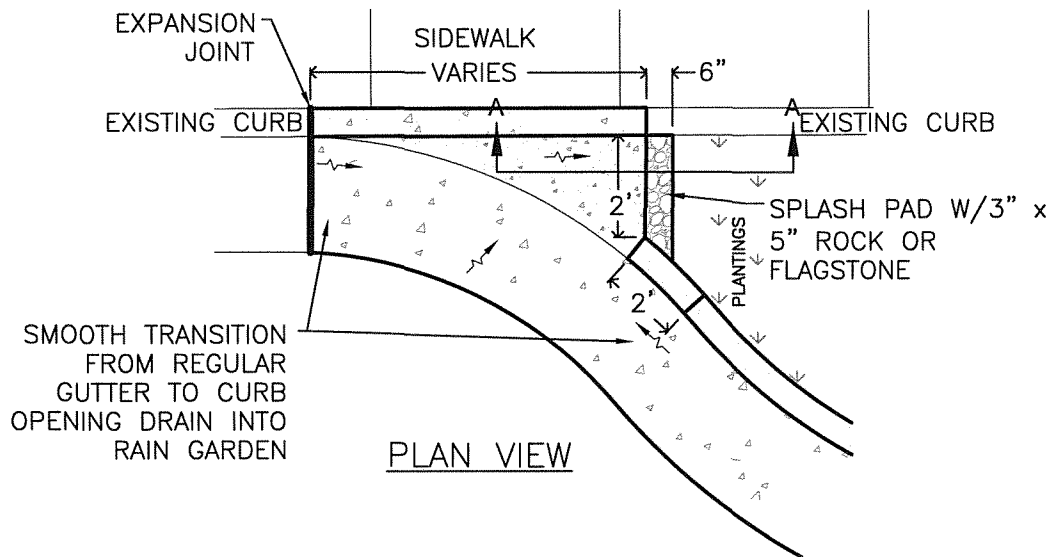
Joseph G. Pantaloni, P.E., Director
Watershed Protection Department

Date: 11/8/16



Anne Morgan
City Attorney

Date: 11/8/16



CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

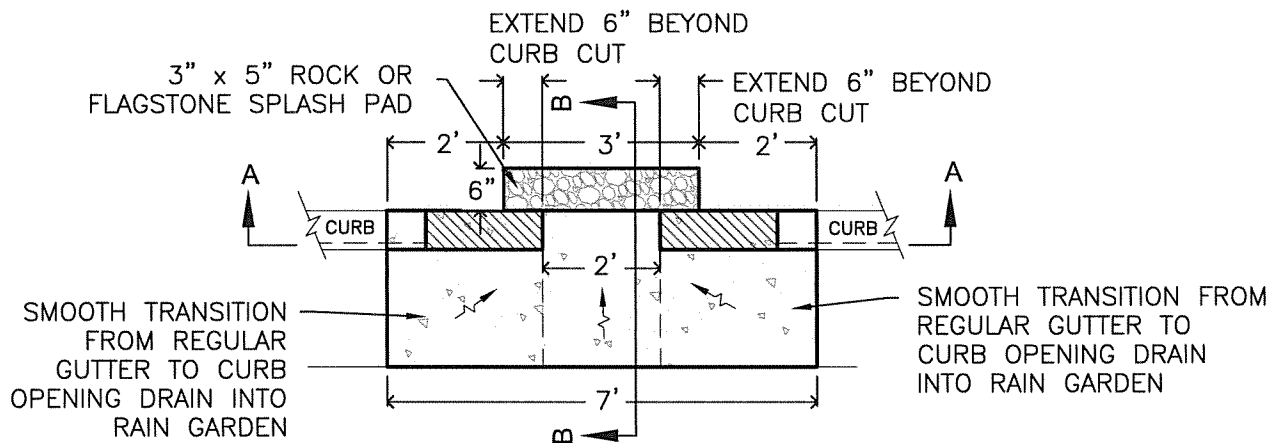
RAIN GARDEN
TYPICAL INLET DETAIL 1

E. J. Zerk

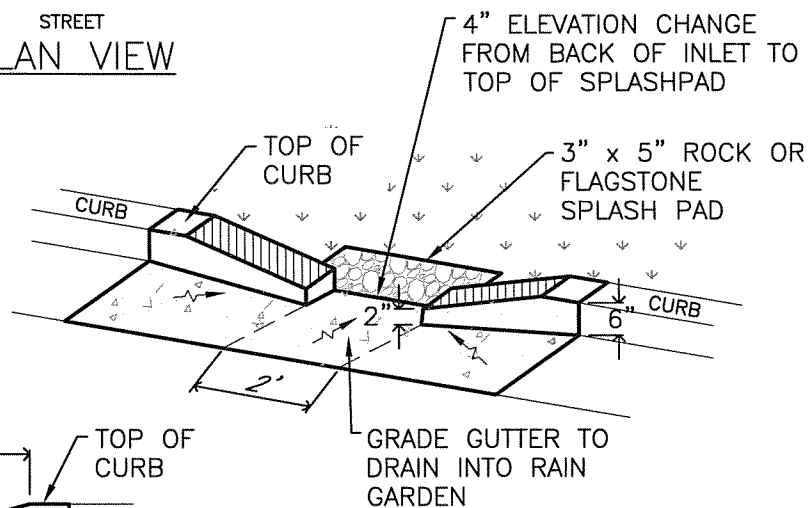
11/14/16

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

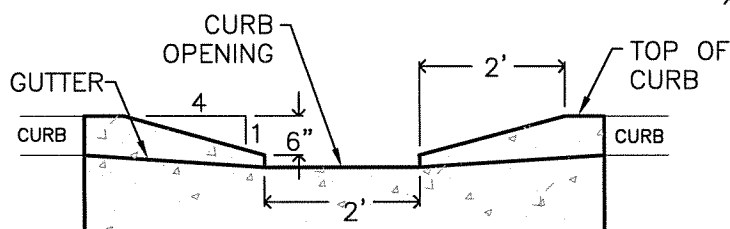
STANDARD NO.
SPD 660-3



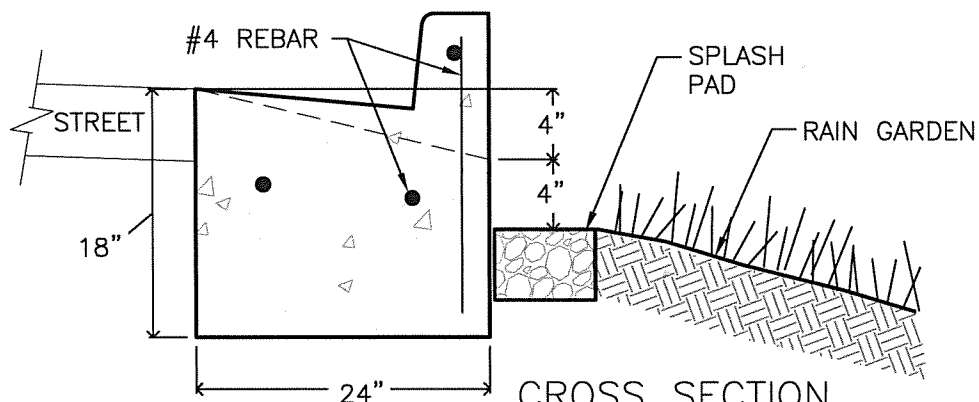
STREET
PLAN VIEW



ISOMETRIC



CROSS SECTION
A-A



CROSS SECTION
B-B

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

RAIN GARDEN
TYPICAL INLET DETAIL 2

E. D. [Signature]

11/14/16

THE ARCHITECT/ENGINEER ASSUMES
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STANDARD NO.
SPD 660-4

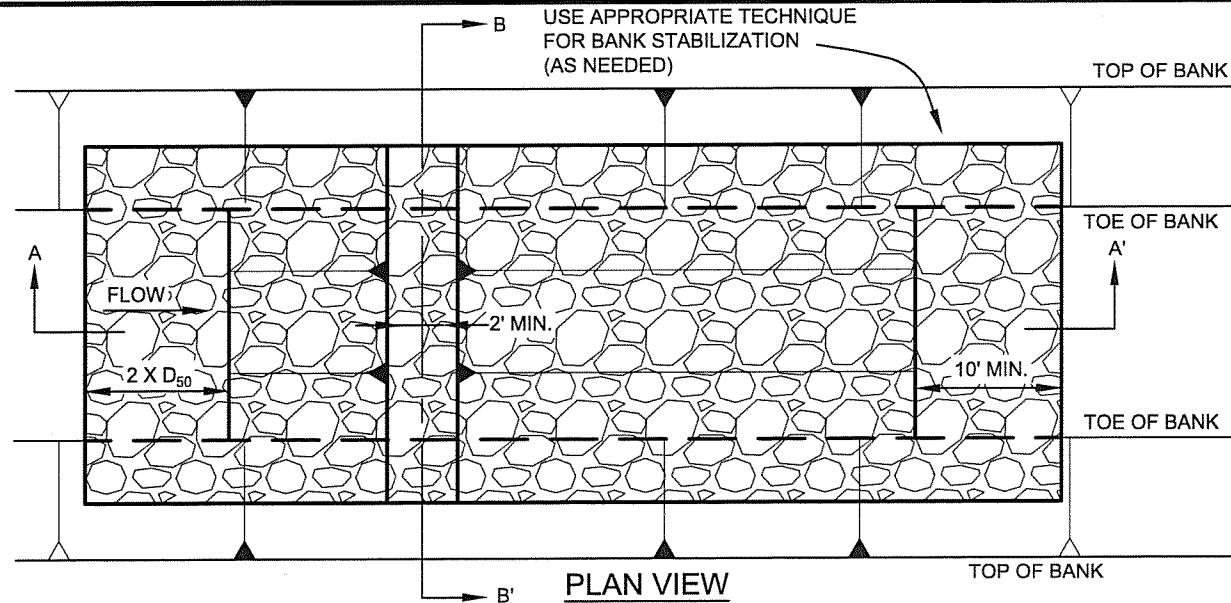
CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

GRADE CONTROL RIFFLE STRUCTURE
WITH EMBEDDED TOE

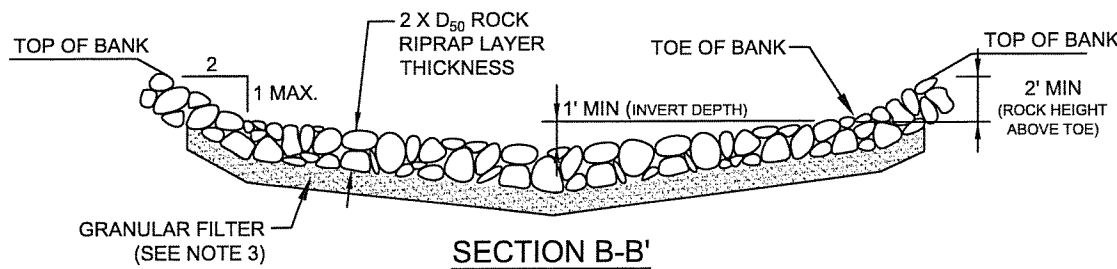
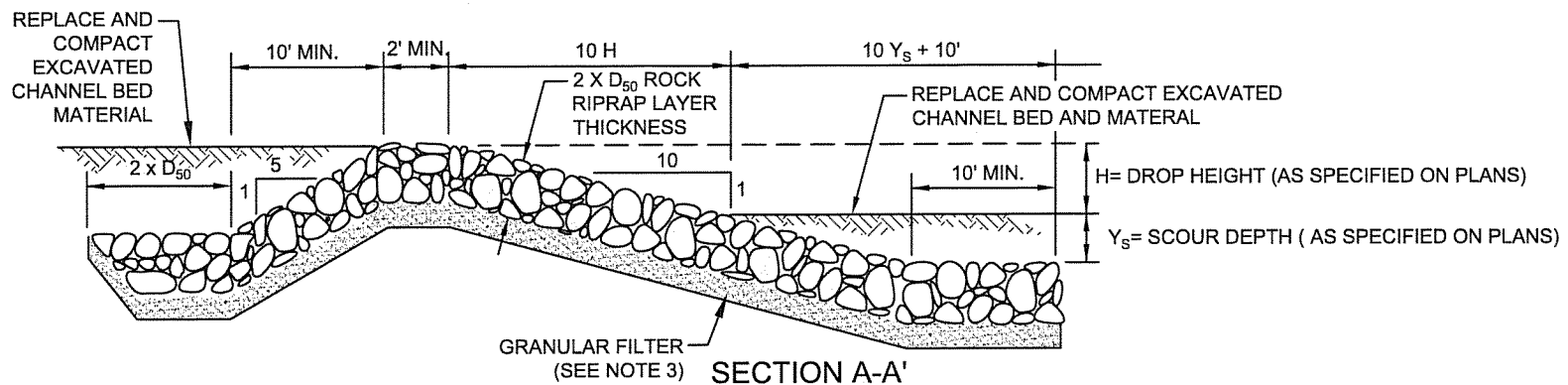
THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

STANDARD NO.
625S-2 A

11/14/16



- NOTES:
1. ROCK RIPRAP SHALL BE SOUND MATERIAL AND GRADED PER REQUIREMENTS SPECIFIED IN STANDARD SPECIFICATION ITEM NUMBER 591S.
 2. ROCK RIPRAP D_{50} AND CLASS SIZE SHALL BE NOTED ON PLANS. GRADATION SHALL BE STABLE FOR THE DESIGN HYDRAULIC CONDITIONS AND IN ACCORDANCE WITH ECM 1.4.6.D ROCK RIPRAP, OR OTHER ENGINEERING STANDARD OF PRACTICE FOR SIZING ROCK RIPRAP.
 3. AGGREGATE FOR GRANULAR FILTER SHALL BE DESIGNED ACCORDING TO ECM 1.4.6.D AND SHALL MEET THE REQUIREMENTS SPECIFIED FOR COARSE AGGREGATE IN SPECIFICATION ITEM NUMBER 403. AGGREGATE NOMINAL SIZE GRADE, NUMBER OF LAYERS AND LAYER THICKNESS SHOULD BE NOTED ON THE PLANS.



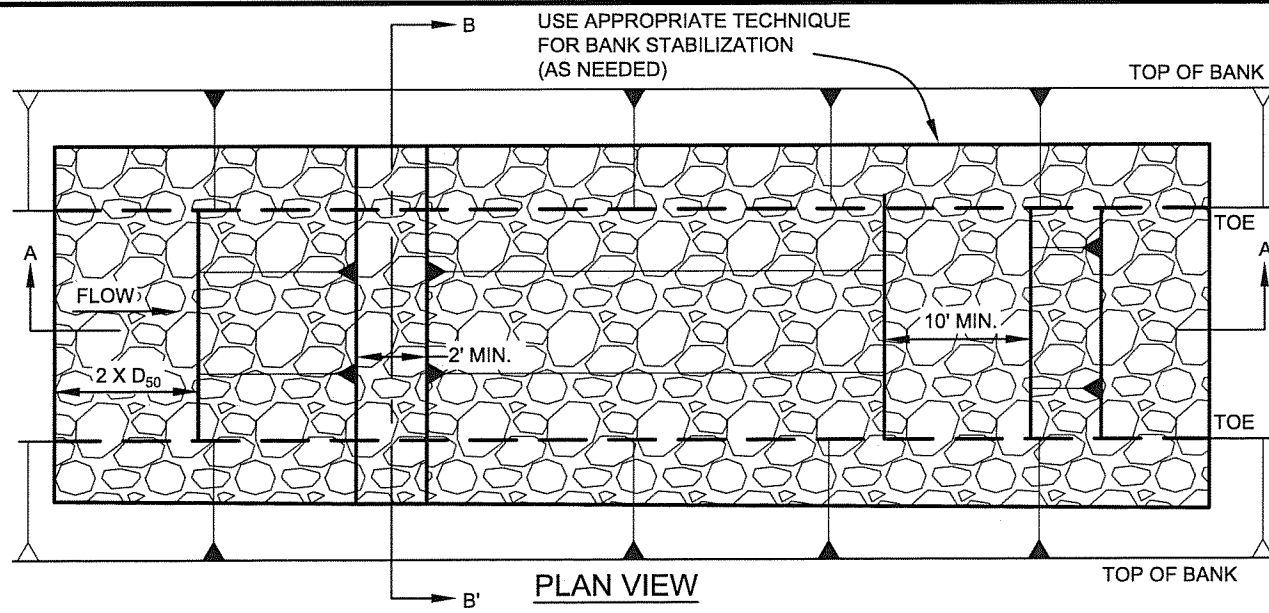
CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

11/14/16

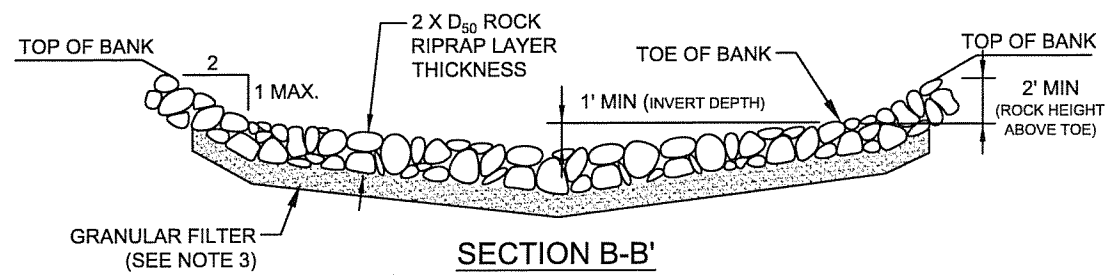
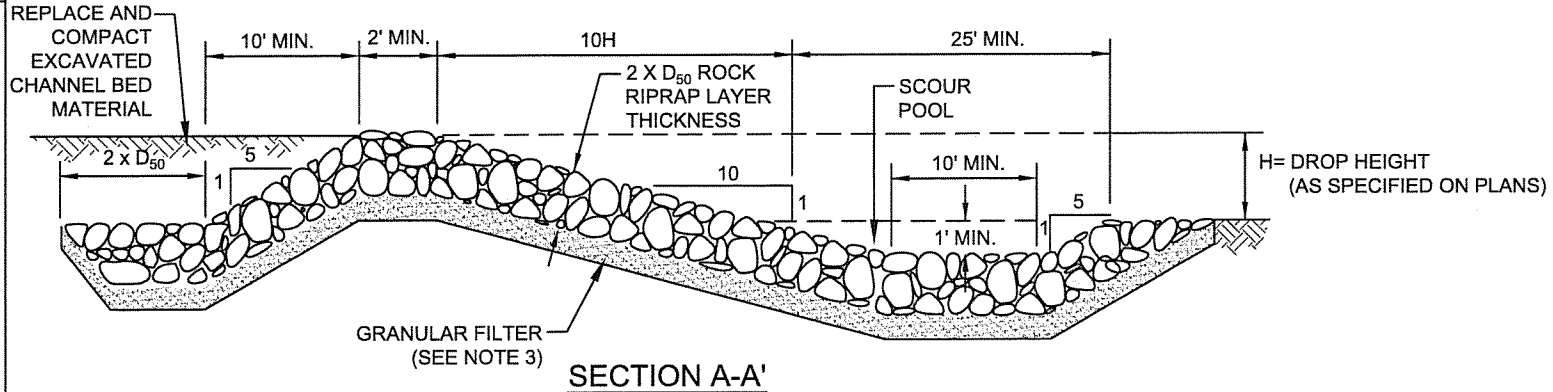
GRADE CONTROL STRUCTURE
ROCK RIFLE WITH PREFORMED SCOUR POOL

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

STANDARD NO.
625S-2 B



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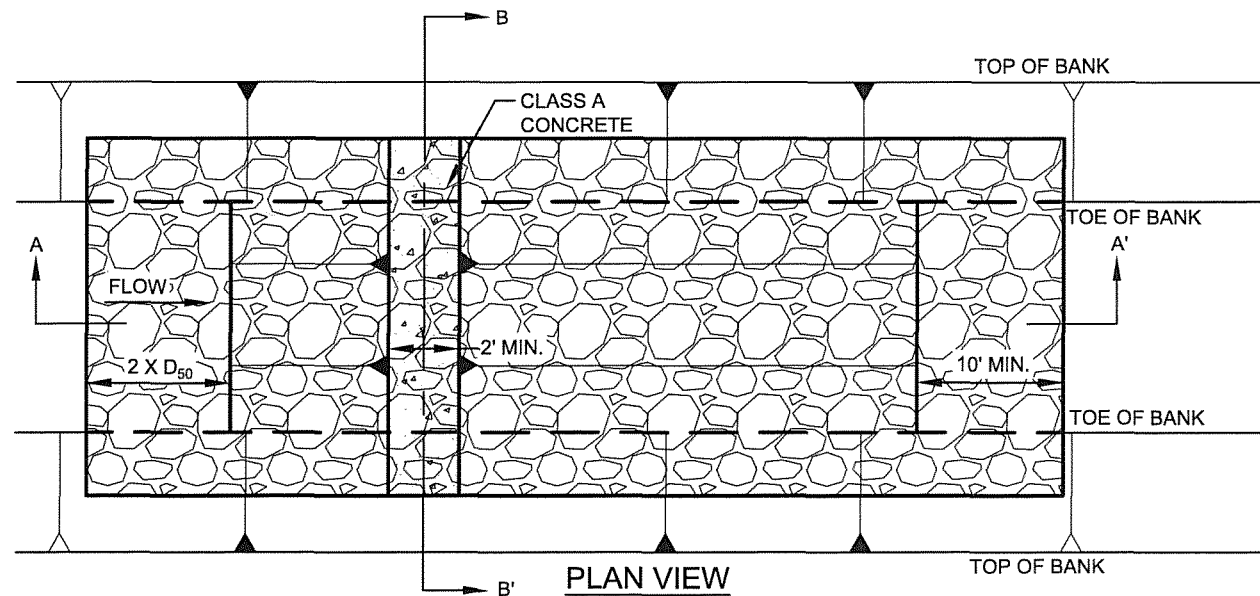
CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

GRADE CONTROL STRUCTURE
ROCK RIFLE WITH CONCRETE CREST
AND EMBEDDED TOE

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

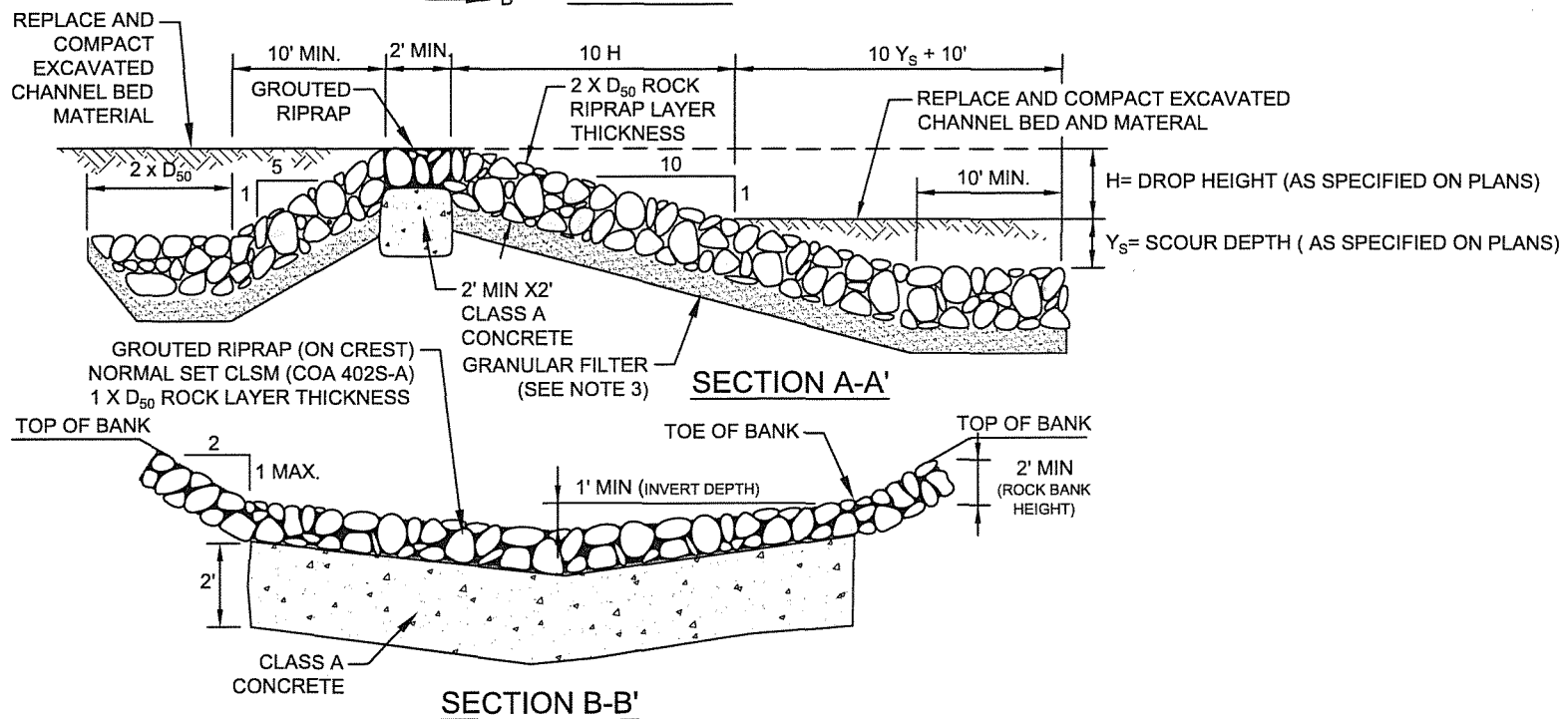
STANDARD NO.

625S-3 A



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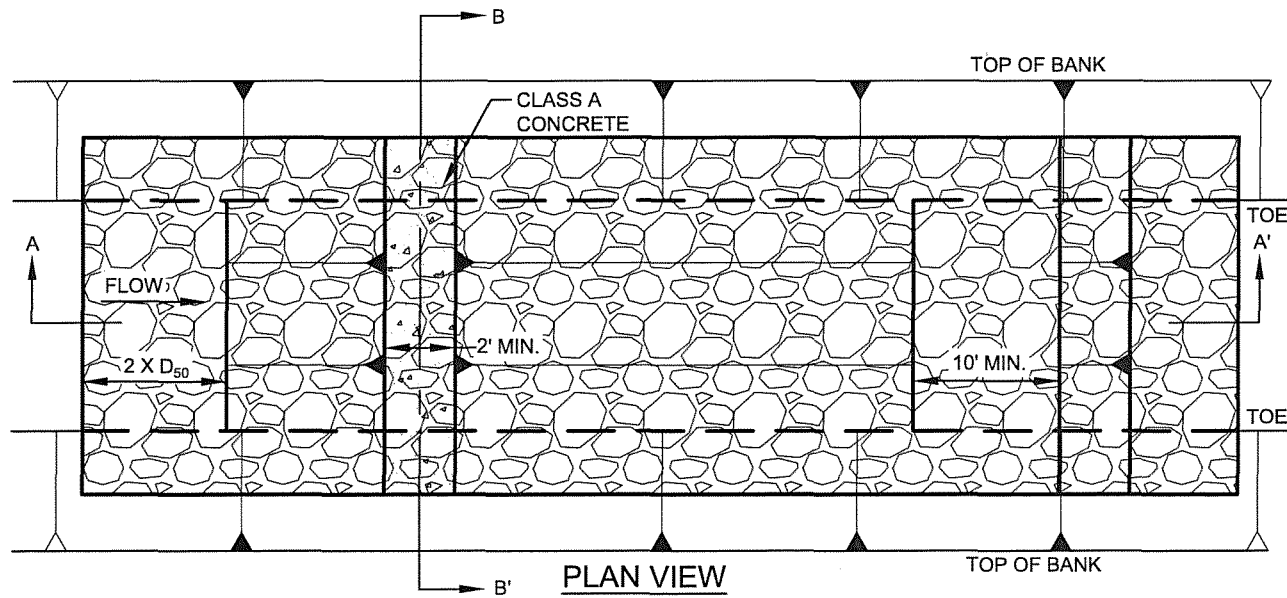
CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

GRADE CONTROL STRUCTURE
ROCK RIFFLE WITH CONCRETE CREST
AND PREFORMED SCOUR POOL

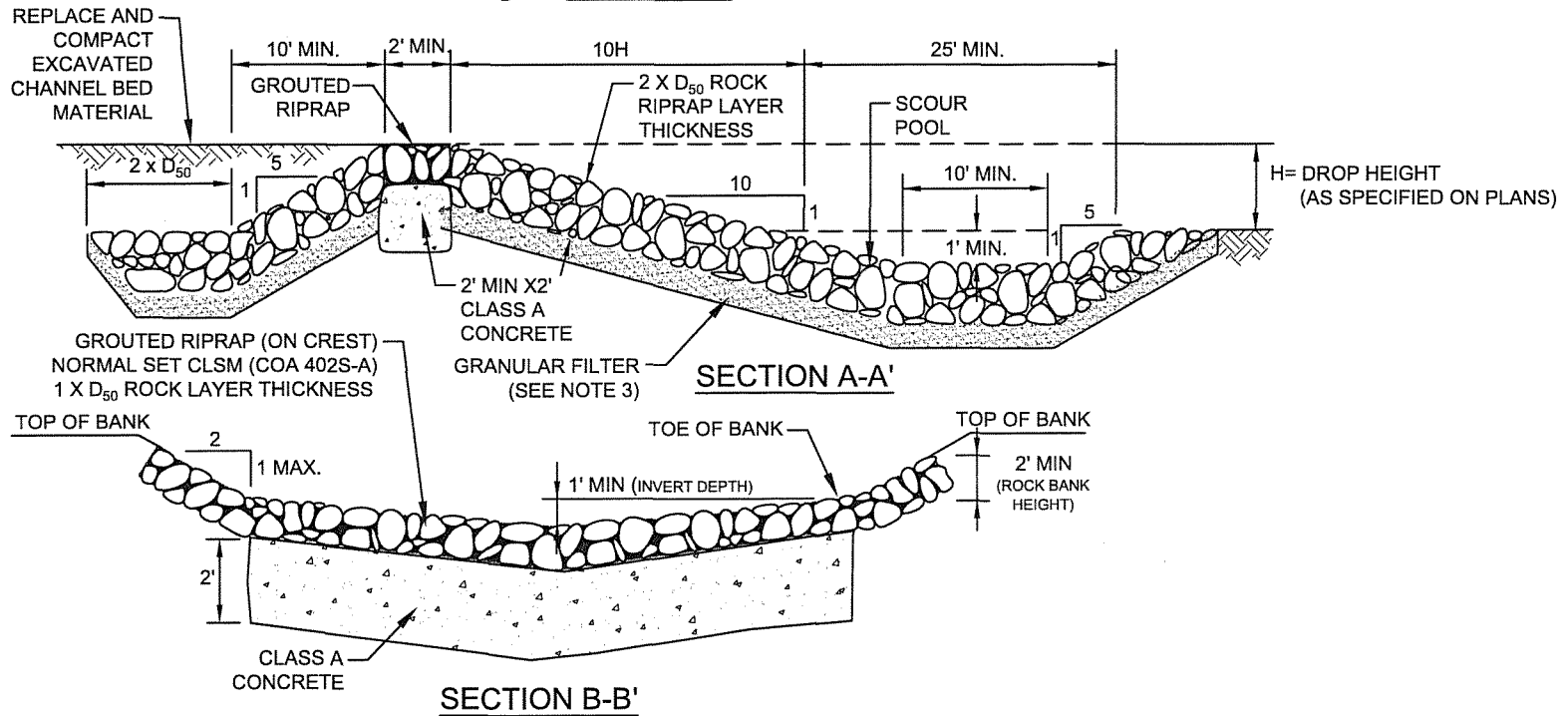
THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
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STANDARD NO.

625S-3 B



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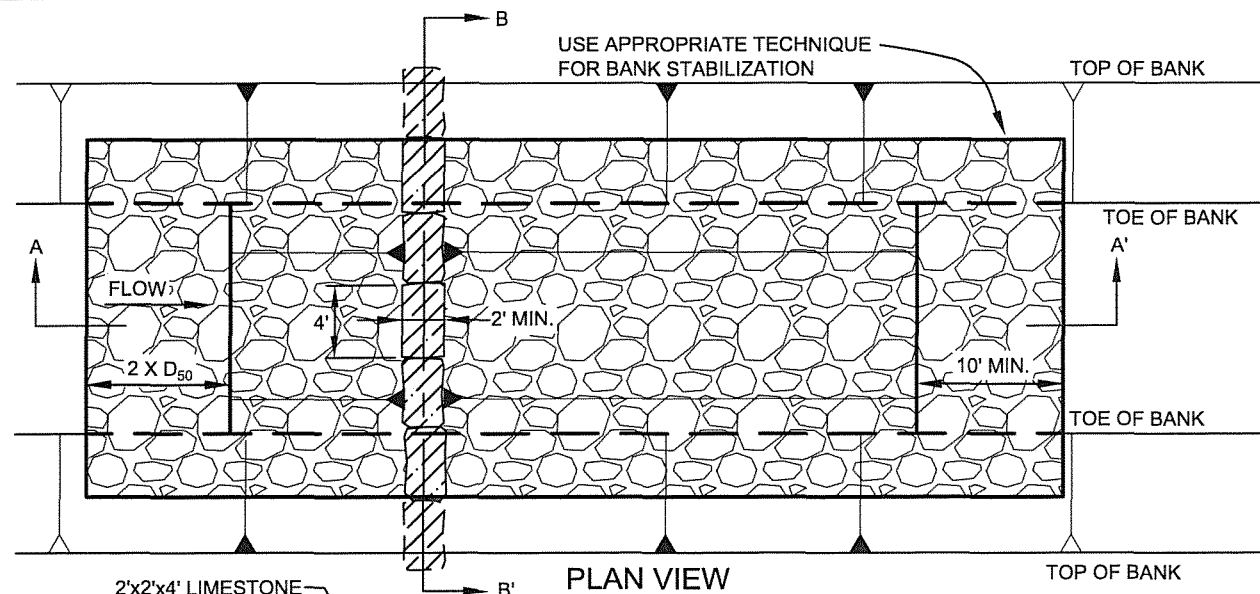


CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

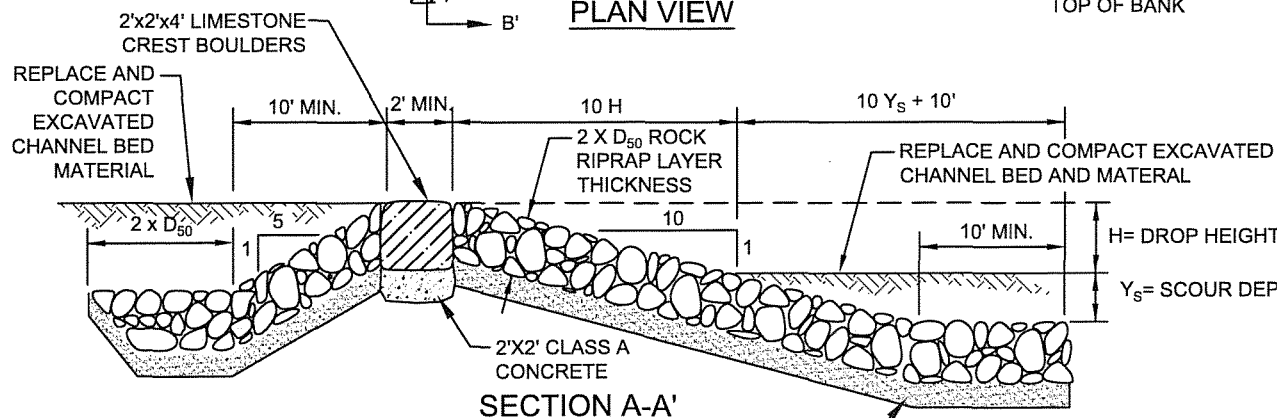
GRADE CONTROL STRUCTURE
ROCK RIFLE WITH BOULDER CREST
AND EMBEDDED TOE

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

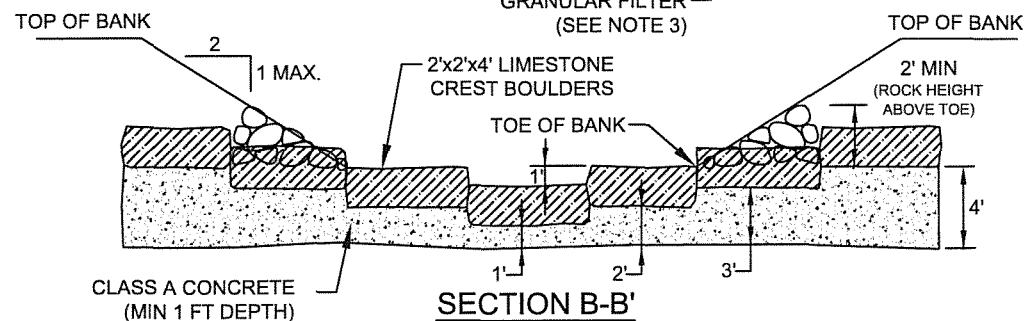
STANDARD NO.
625S-4 A



PLAN VIEW



SECTION A-A'



SECTION B-B'

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NOTES (BOULDERS):

- BOULDERS SHALL BE DERIVED FROM NATURAL QUARRY LIMESTONE AND BE SPECIFIED AS EITHER "CUT" OR "NATURAL" PER THE PLANS. NATURAL BOULDERS SHALL HAVE A ROUGH SURFACE ON ALL EDGES, BUT THE TOP AND BOTTOM PARALLEL AND STACKABLE.
- BOULDERS SHALL BE COMPRISED OF SOLID ROCK WITHOUT EXCESSIVE FRACTURES OR WEAK LAYERS AND HAVE A MINIMUM SPECIFIC GRAVITY OF 2.3

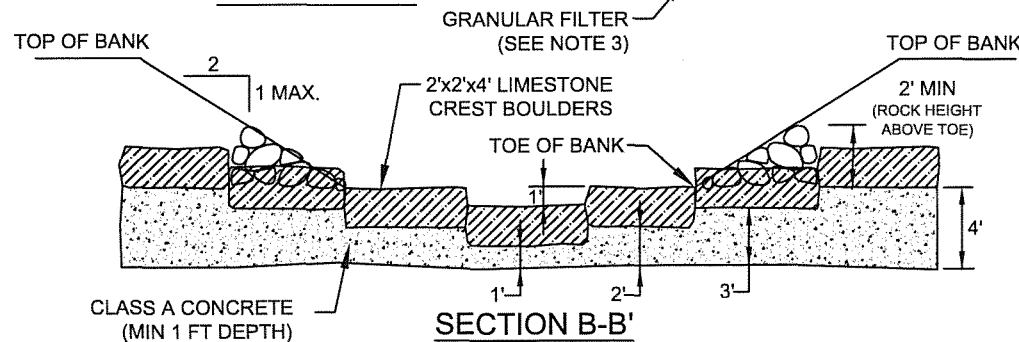
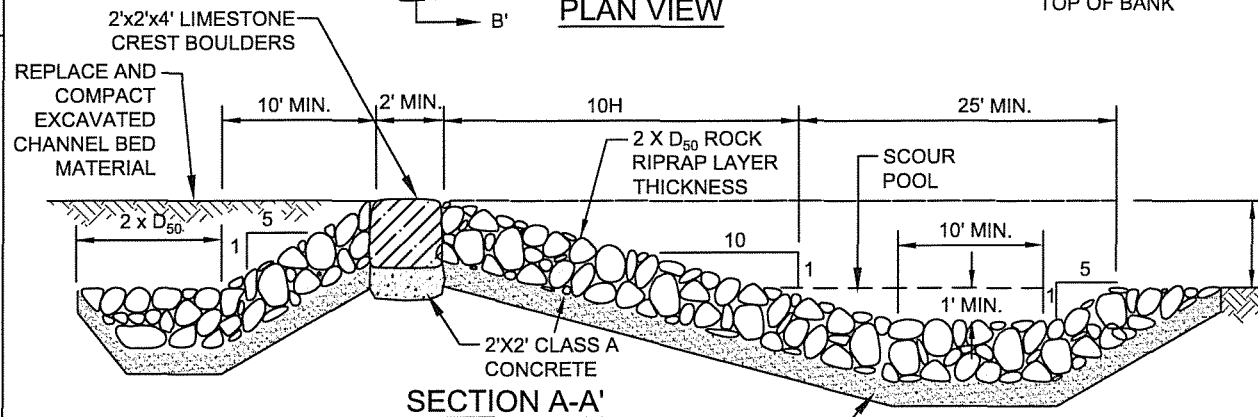
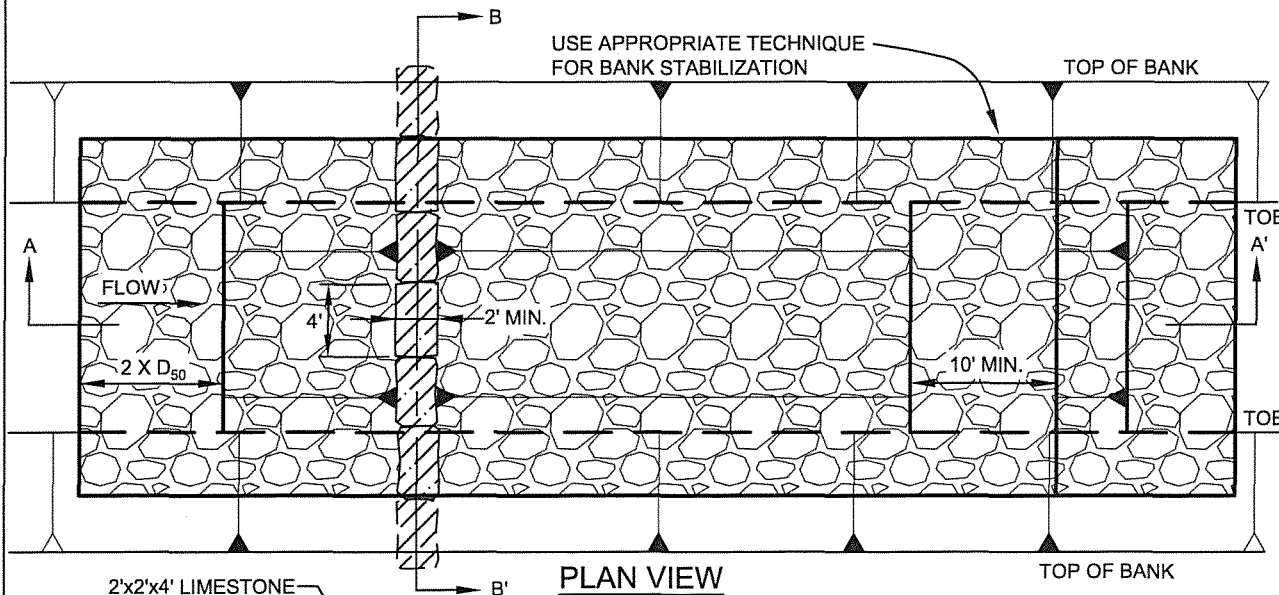
CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

E.J. [Signature]
11/14/16

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

STANDARD NO.
625S-4 B

GRADE CONTROL STRUCTURE
ROCK RIFLE WITH BOULDER CREST
AND PREFORMED SCOUR POOL



- NOTES:**
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2. BOULDERS SHALL BE COMPRISED OF SOLID ROCK WITHOUT EXCESSIVE FRACTURES OR WEAK LAYERS AND HAVE A MINIMUM SPECIFIC GRAVITY OF 2.3

H= DROP HEIGHT
(AS SPECIFIED ON PLANS)

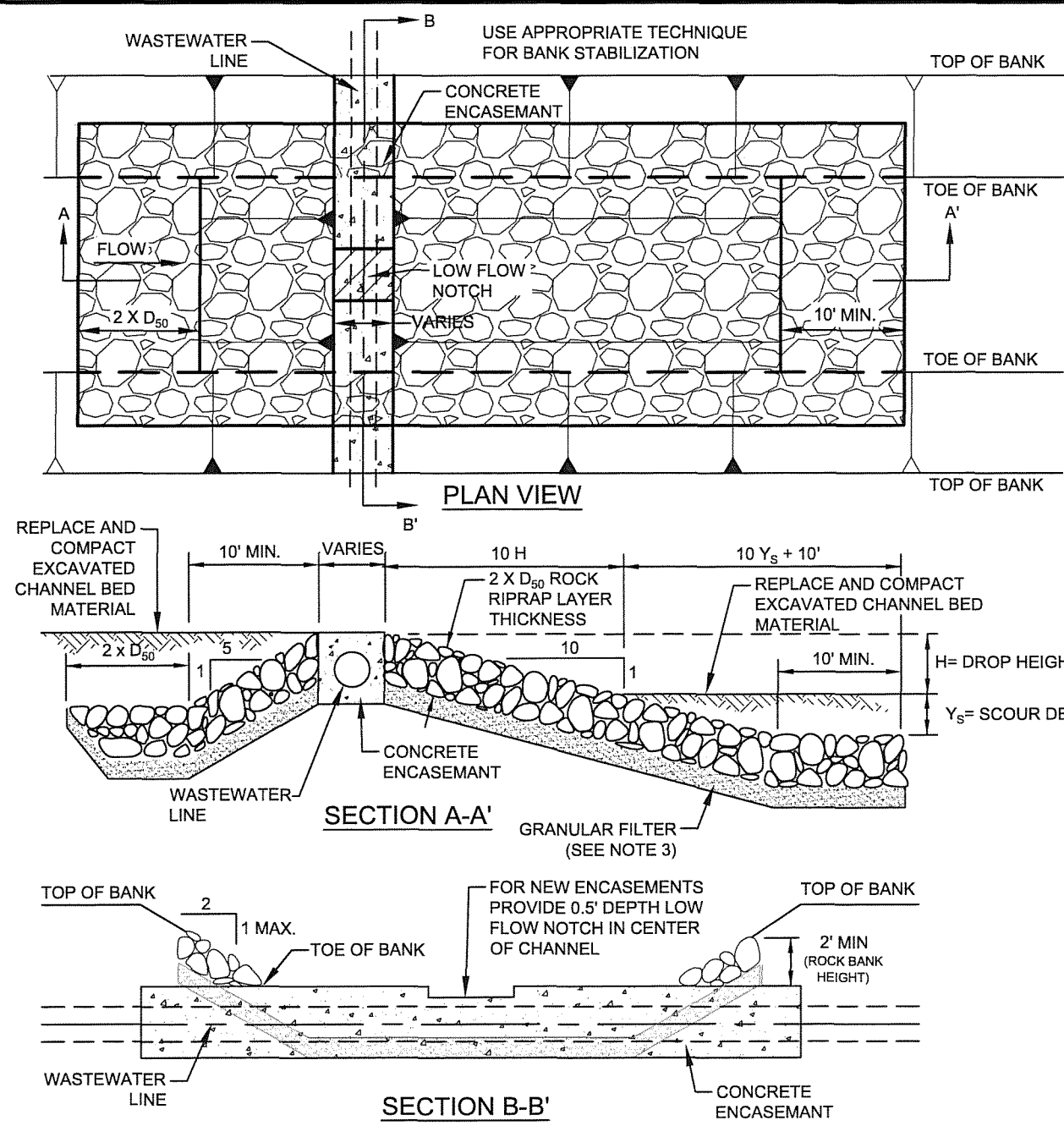
E.D. Runkle
11/14/16

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
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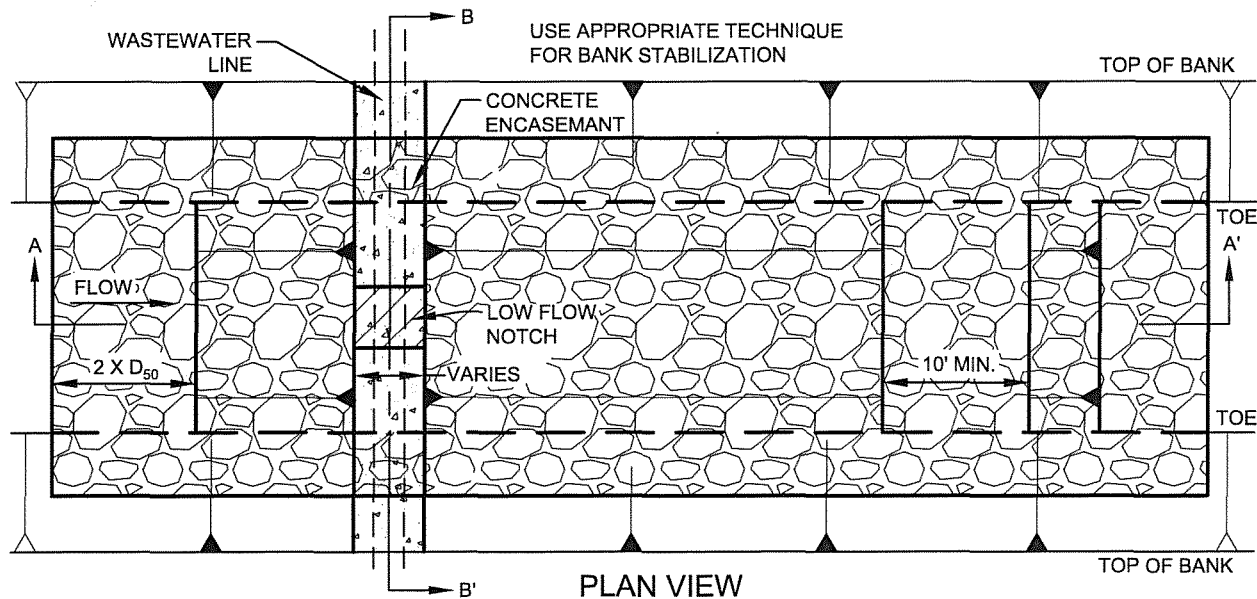
GRADE CONTROL STRUCTURE
ROCK RIFLE AT WASTEWATER CROSSING
WITH EMBEDDED TOE

STANDARD NO.
625S-5 A



- NOTES:
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H= DROP HEIGHT (AS SPECIFIED ON PLANS)
 Y_s = SCOUR DEPTH (AS SPECIFIED ON PLANS)

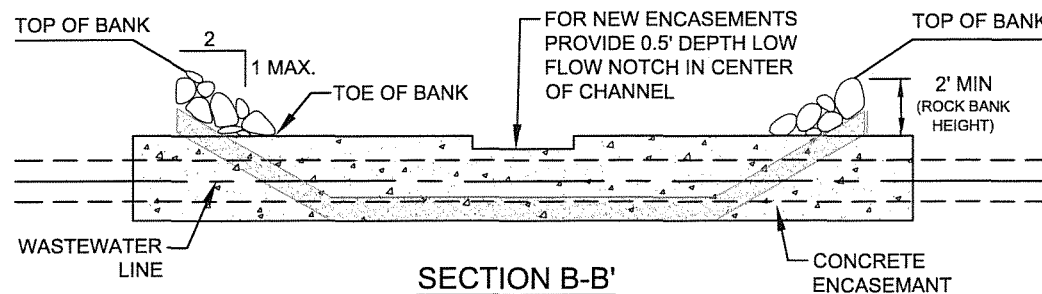
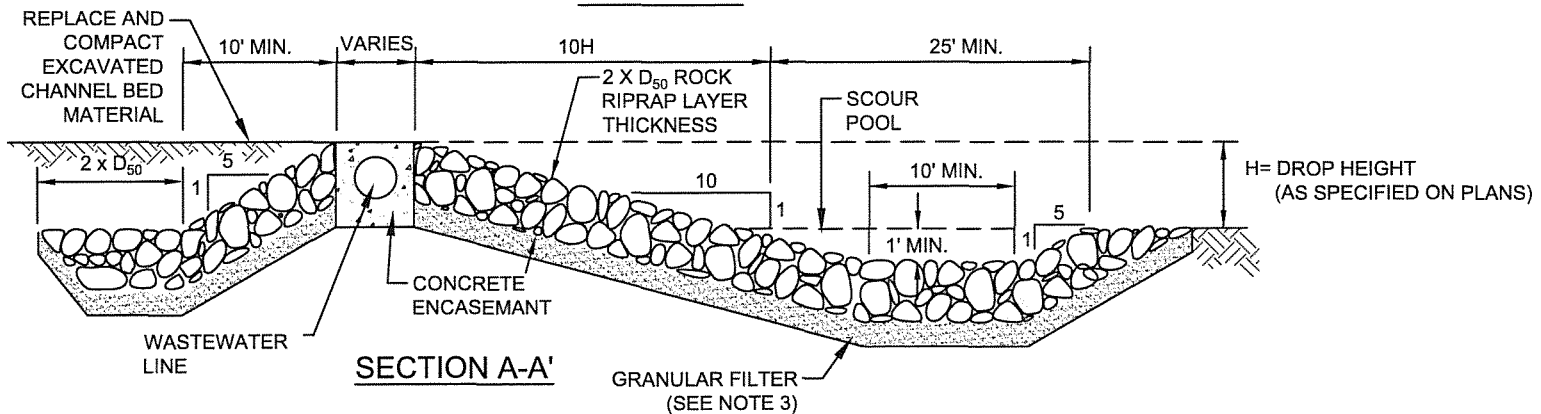


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CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

GRADE CONTROL STRUCTURE
ROCK RIPRAP AT WASTEWATER CROSSING
WITH PREFORMED SCOUR POOL

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

STANDARD NO.
625S-5 B

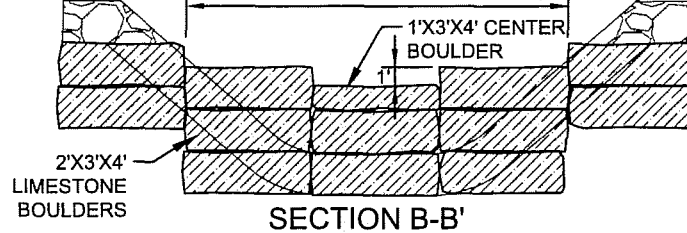
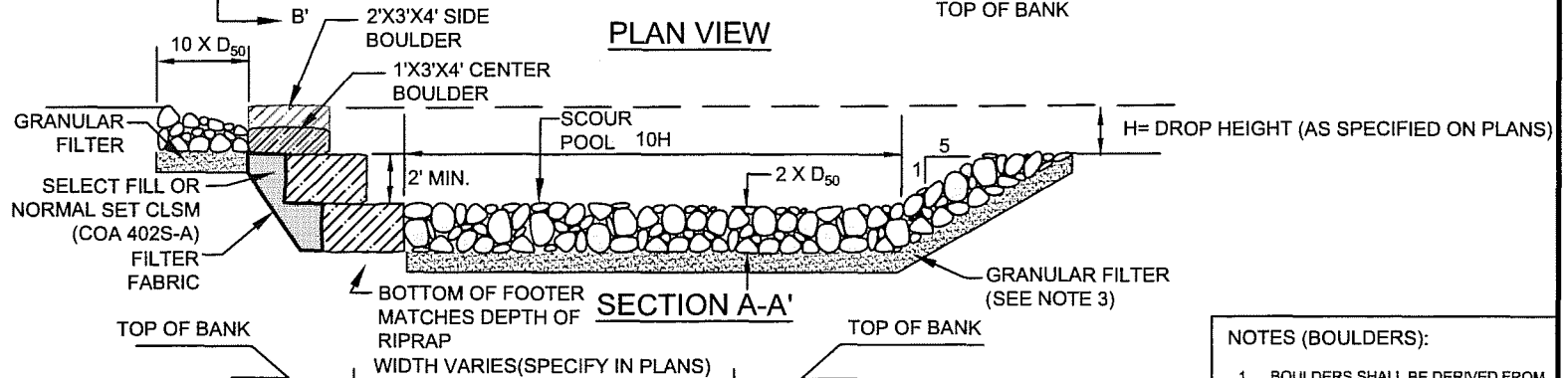
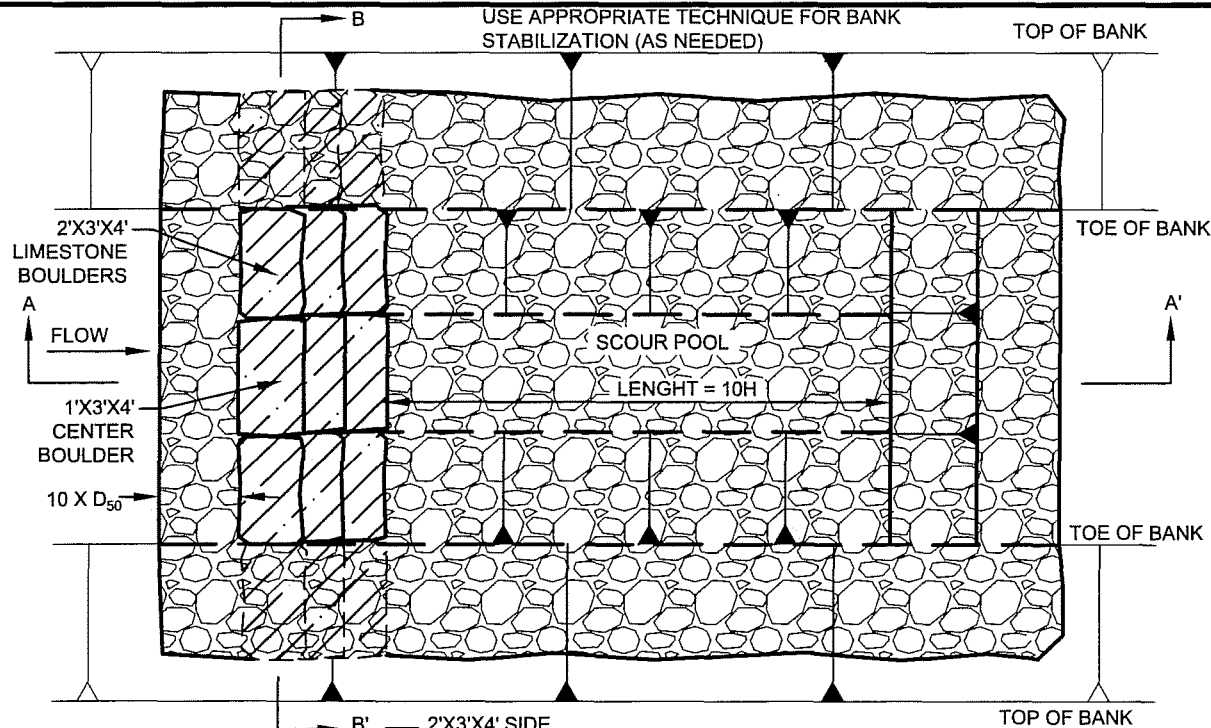
11/14/16

CITY OF AUSTIN
WATERSHED PROTECTION DEPARTMENT

GRADE CONTROL STRUCTURE
STRAIGHT STEPPED ROCK DROP

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

STANDARD NO.
625S-6



- NOTES:
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 2. BOULDERS SHALL BE COMPRISED OF SOLID ROCK WITHOUT EXCESSIVE FRACTURES OR WEAK LAYERS AND HAVE A MINIMUM SPECIFIC GRAVITY OF 2.3