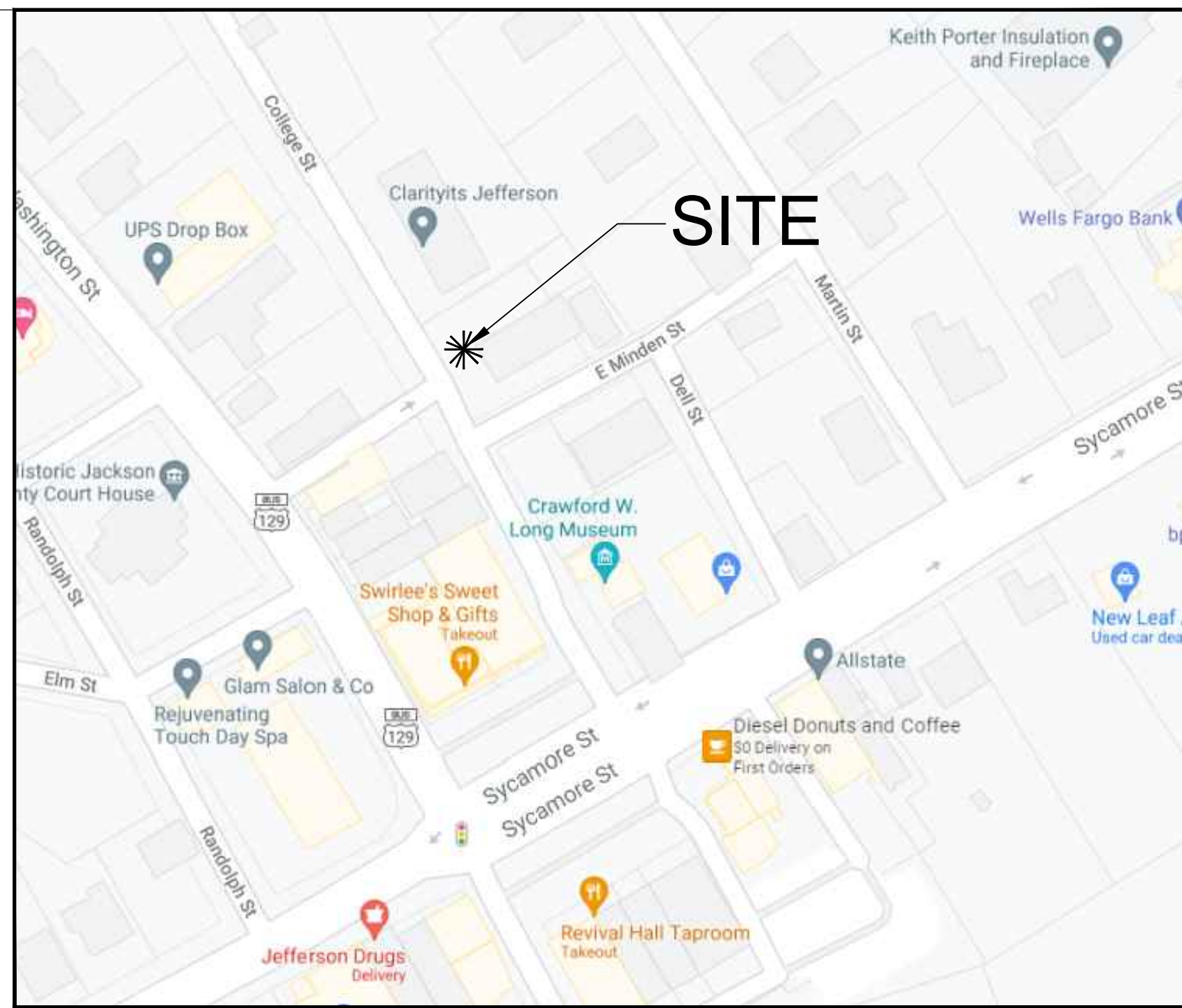


# CIVIL CONSTRUCTION PLANS FOR JEFFERSON DRAINAGE ANALYSIS

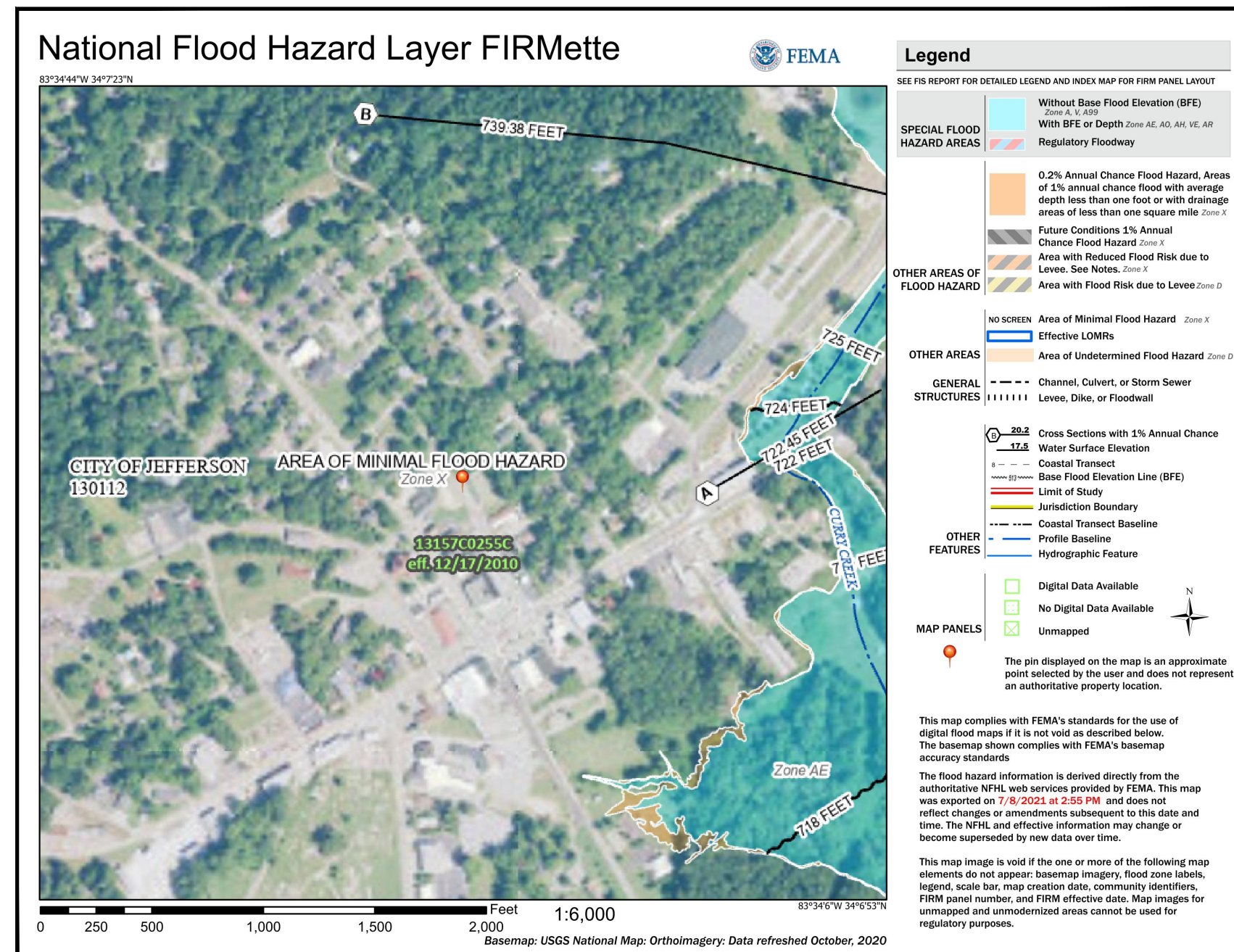
94 COLLEGE STREET  
JEFFERSON, GA 30549  
PARCEL ID 054021  
GA DISTRICT 245  
CITY OF JEFFERSON, JACKSON COUNTY, GEORGIA

OWNER, DEVELOPER & PRIMARY PERMITTEE  
CITY OF JEFFERSON  
147 ATHENS STREET  
JEFFERSON, GA 30549

CIVIL	Description:
C-1.0	COVER SHEET
C-2.1	EXISTING CONDITIONS PLAN
C-2.2	EXISTING CONDITIONS PLAN
C-3.1	DEMOLITION PLAN
C-3.2	DEMOLITION PLAN
C-4.1	SITE/GRADING PLAN
C-4.2	SITE/GRADING PLAN
C-5.0	STORM PROFILES
C-6.0	STORM PIPE CHART
C-7.0	ESPC NOTES
C-8.0	ESPC NOTES
C-9.0	ESPC NOTES
C-10.1	EROSION CONTROL PLAN
C-10.2	EROSION CONTROL PLAN
C-11.0	EROSION CONTROL DETAILS
C-12.0	CONSTRUCTION DETAILS
C-13.0	CONSTRUCTION DETAILS

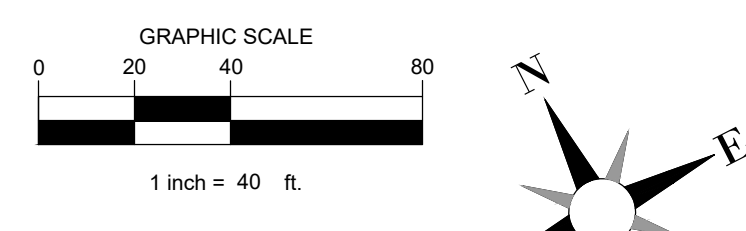
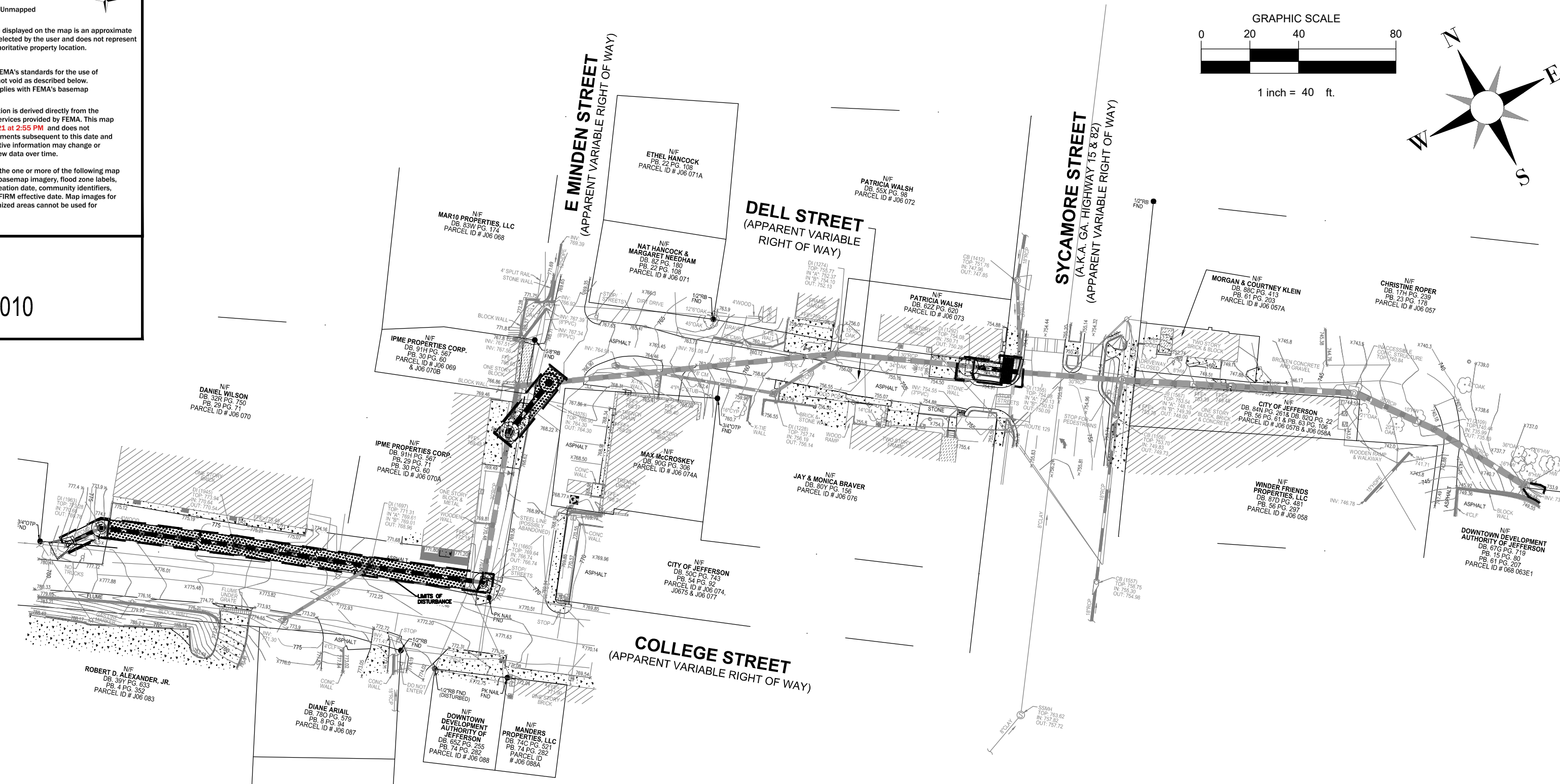


LOCATION MAP  
NOT TO SCALE



F.I.R.M. MAP  
NOT TO SCALE

PANEL NO.: 13157C0255C  
EFF. DATE: DECEMBER 17, 2010

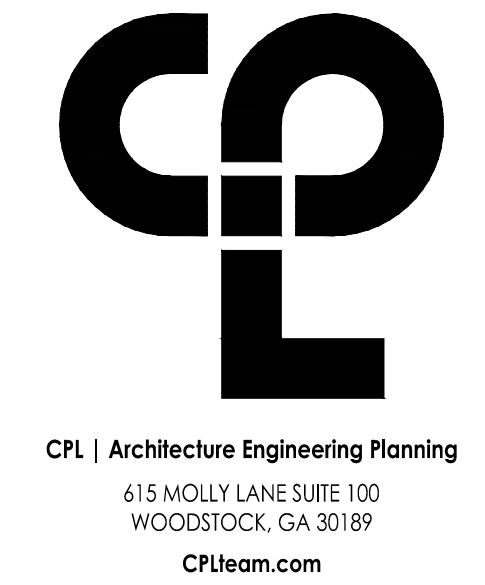


**GENERAL NOTES**

- LOCATION.....: 94 COLLEGE STREET  
JEFFERSON, GA 30549
- DISTURBED AREA.....: 0.11 ACRES
- OWNER.....: CITY OF JEFFERSON  
147 ATHENS STREET  
JEFFERSON, GA 30549
- CONSTRUCTION MANAGER: TBD
- DESIGNER/ENGINEER.: CLARK PATTERSON LEE,  
CONTACT PERSON.....: RICH EDINGER, P.E.  
(800) 274-9000  
615 MOLLY LANE SUITE 100  
WOODSTOCK, GA 30189
- BOUNDARY INFORMATION DATED: OCTOBER 10TH, 2021 PREPARED BY:  
TERRAMARK SURVEYING,  
1396 BELLS FERRY ROAD  
MARIETTA, GA 30066  
PHONE: 770-421-1927
- F.I.R.M. MAP NUMBER 13157C0255C, EFFECTIVE DECEMBER 17TH, 2010, INDICATES THAT THIS TRACT DOES NOT LIE IN AN AREA DESIGNATED AS HAVING FLOOD HAZARD.

**EXISTING UTILITIES**

INFORMATION REGARDING THE PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON IS BASED ON INFORMATION READILY AVAILABLE AT THE TIME OF PREPARATION. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE TAKEN INTO CONSIDERATION BY THOSE USING THIS DOCUMENT. THE LOCATION AND DISPOSITION OF UTILITIES SHOWN MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES AFFECTED BY HIS WORK PRIOR TO BEGINNING ANY CONSTRUCTION OR LAND DISTURBANCE.



**PROJECT INFORMATION**

Project Number: 16043.00  
Client Name: TOWN OF JEFFERSON  
Project Name: JEFFERSON DRAINAGE ANALYSIS

Project Address: 94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

No. Date Description

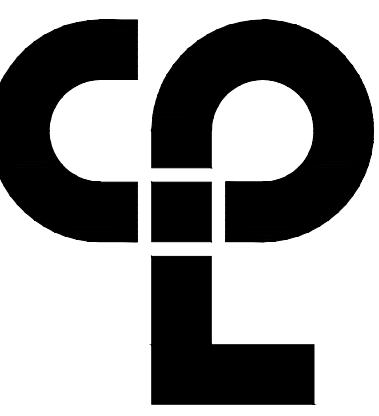


**SHEET INFORMATION**

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Project Status:  
Drawn By: ND Checked By: RJE  
Drawing Title: COVER

Sheet Number: C-1  
1

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 Date last accessed: 8/24/2021 10:41 AM  
 Date last plotted: 8/25/2021 11:37 AM  
 Plotted By: Ian Evans



**PROJECT INFORMATION**

Project Number  
16043.00  
 Client Name  
TOWN OF JEFFERSON  
 Project Name  
JEFFERSON DRAINAGE ANALYSIS

Project Address  
94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

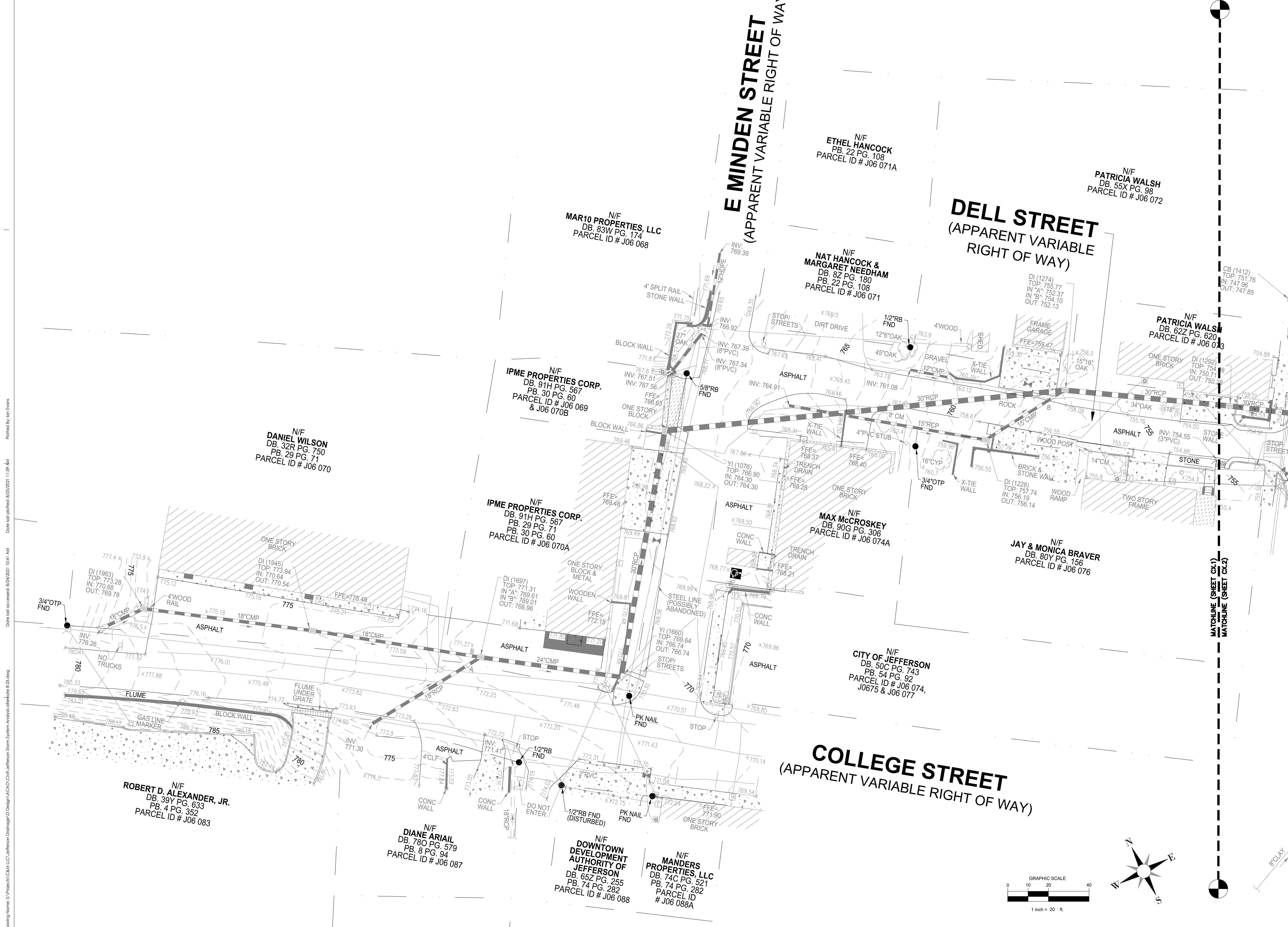
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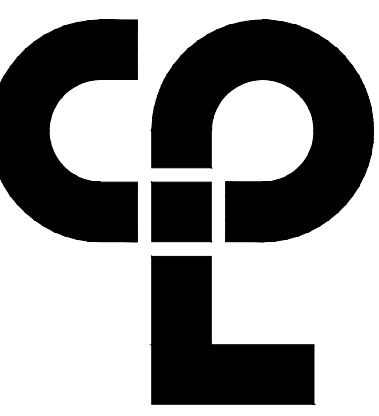
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ND Checked By  
RJE  
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EXISTING CONDITIONS  
 PLAN

Sheet Number

C-2.1  
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**PROJECT INFORMATION**

Project Number  
16043.00  
 Client Name  
TOWN OF JEFFERSON  
 Project Name  
JEFFERSON DRAINAGE ANALYSIS

Project Address  
94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

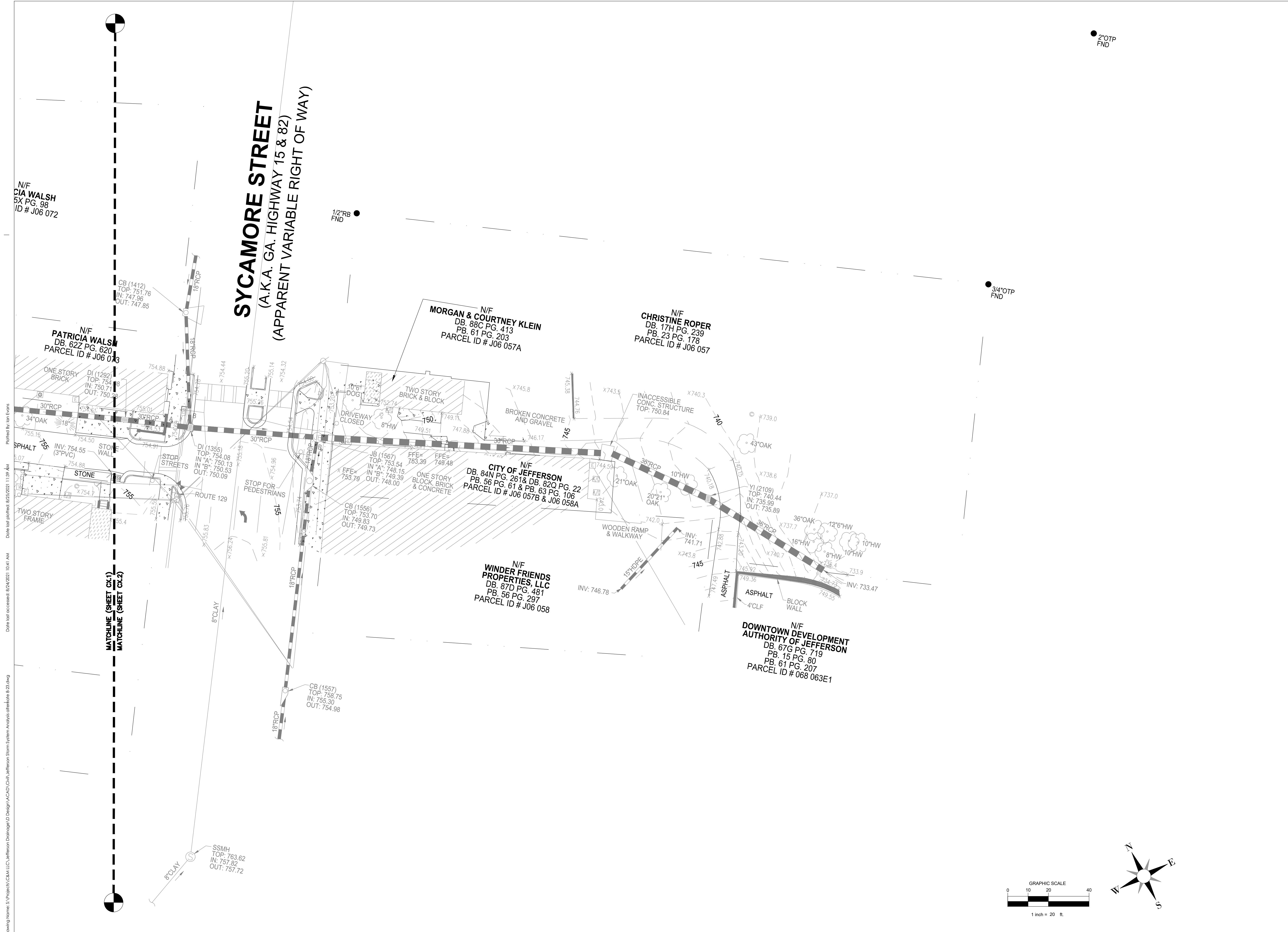
No.	Date	Description

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1"=20'  
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 Drawn By  
ND  
Checked By  
RJE  
 Drawing Title  
EXISTING CONDITIONS  
PLAN

Sheet Number

C-2.2  
3



2"OTF  
FND

1/2"RB  
FND

3/4"OTF  
FND

**SYCAMORE STREET**  
 (A.K.A. GA. HIGHWAY 15 & 82)  
 (APPARENT VARIABLE RIGHT OF WAY)

N/F  
CIA WALSH  
5X PG. 98  
ID # J06 072

N/F  
PATRICIA WALSH  
DB. 62Z PG. 620  
PARCEL ID # J06 073

N/F  
MORGAN & COURTNEY KLEIN  
DB. 88C PG. 413  
PB. 61 PG. 203  
PARCEL ID # J06 057A

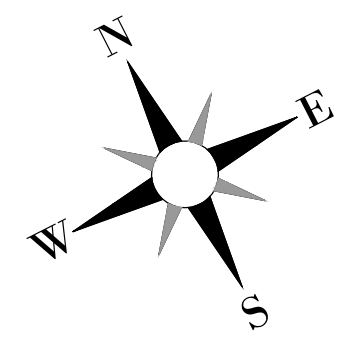
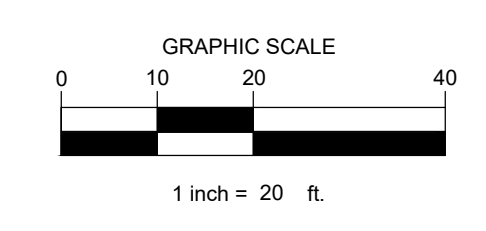
N/F  
CHRISTINE ROPER  
DB. 17H PG. 239  
PB. 23 PG. 178  
PARCEL ID # J06 057

N/F  
CITY OF JEFFERSON  
DB. 84N PG. 261 & DB. 82Q PG. 22  
PB. 56 PG. 61 & PB. 63 PG. 106  
PARCEL ID # J06 057B & J06 058A

N/F  
WINDER FRIENDS  
PROPERTIES, LLC  
DB. 87D PG. 481  
PB. 56 PG. 297  
PARCEL ID # J06 058

N/F  
DOWNTOWN DEVELOPMENT  
AUTHORITY OF JEFFERSON  
DB. 67G PG. 719  
PB. 15 PG. 80  
PB. 61 PG. 207  
PARCEL ID # 068 063E1

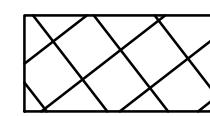
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 Plotted By: Ian Evans




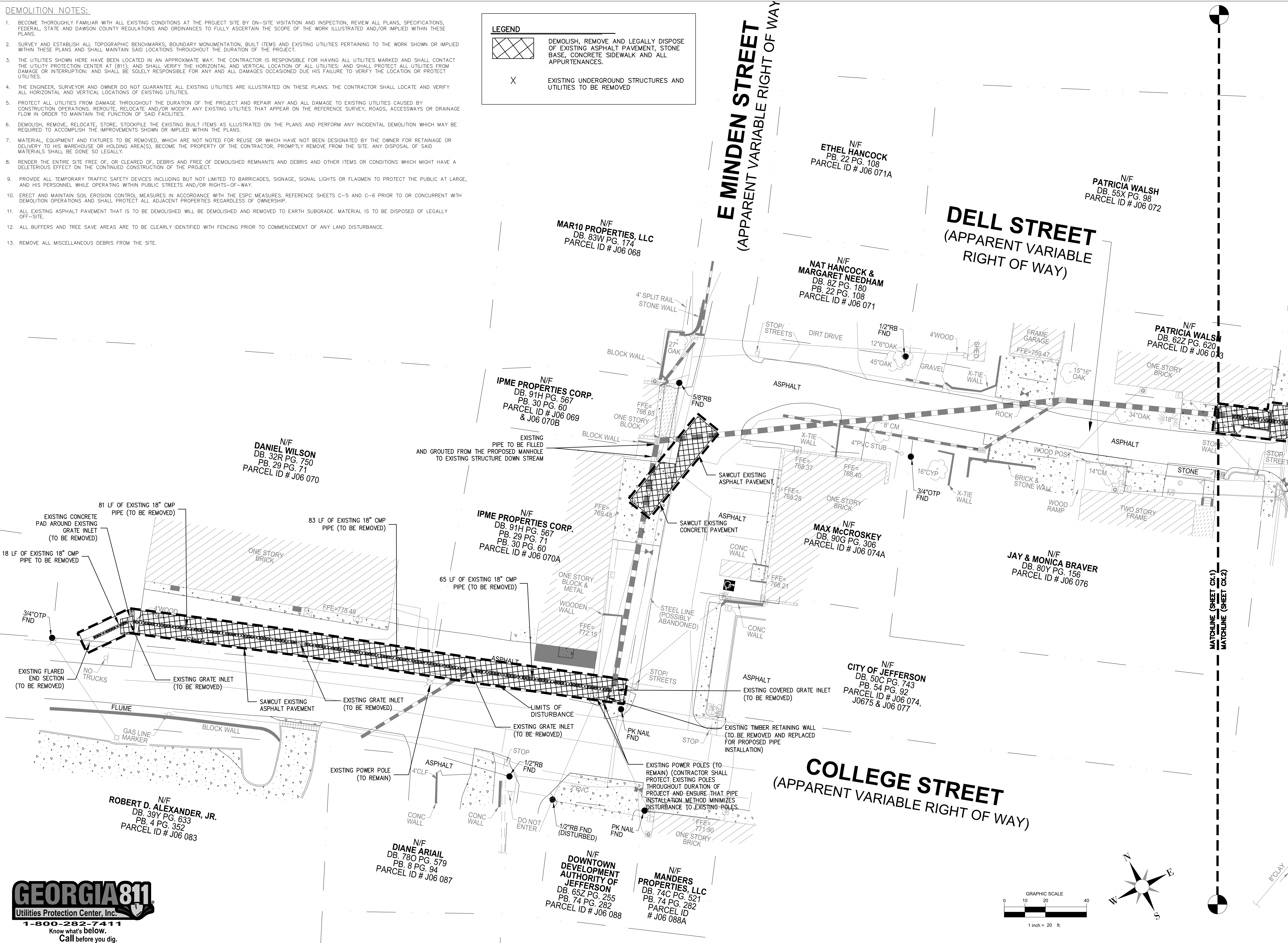
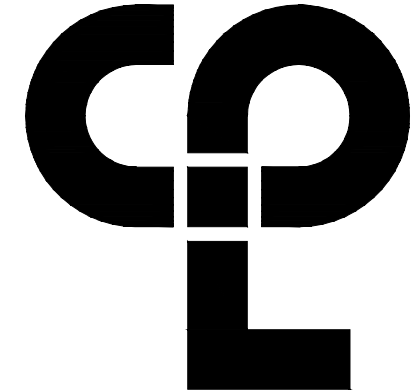
**DEMOLITION NOTES:**

- BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AT THE PROJECT SITE BY ON-SITE VISITATION AND INSPECTION, REVIEW ALL PLANS, SPECIFICATIONS, FEDERAL, STATE AND DAWSON COUNTY REGULATIONS AND ORDINANCES TO FULLY ASCERTAIN THE SCOPE OF THE WORK ILLUSTRATED AND/OR IMPLIED WITHIN THESE PLANS.
- SURVEY AND ESTABLISH ALL TOPOGRAPHIC BENCHMARKS, BOUNDARY MONUMENTATION, BUILT ITEMS AND EXISTING UTILITIES PERTAINING TO THE WORK SHOWN OR IMPLIED WITHIN THESE PLANS AND SHALL MAINTAIN SAID LOCATIONS THROUGHOUT THE DURATION OF THE PROJECT.
- THE UTILITIES SHOWN HERE HAVE BEEN LOCATED IN AN APPROXIMATE WAY. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UTILITIES MARKED AND SHALL CONTACT THE UTILITY PROTECTION CENTER AT (811), AND SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, AND SHALL PROTECT ALL UTILITIES FROM DAMAGE OR INTERRUPTION; AND SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES OCCASIONED DUE HIS FAILURE TO VERIFY THE LOCATION OR PROTECT UTILITIES.
- THE ENGINEER, SURVEYOR AND OWNER DO NOT GUARANTEE ALL EXISTING UTILITIES ARE ILLUSTRATED ON THESE PLANS. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES.
- PROTECT ALL UTILITIES FROM DAMAGE THROUGHOUT THE DURATION OF THE PROJECT AND REPAIR ANY AND ALL DAMAGE TO EXISTING UTILITIES CAUSED BY CONSTRUCTION OPERATIONS. REROUTE, RELOCATE AND/OR MODIFY ANY EXISTING UTILITIES THAT APPEAR ON THE REFERENCE SURVEY, ROADS, ACCESSWAYS OR DRAINAGE FLOW IN ORDER TO MAINTAIN THE FUNCTION OF SAID FACILITIES.
- DEMOLISH, REMOVE, RELOCATE, STORE, STOCKPILE THE EXISTING BUILT ITEMS AS ILLUSTRATED ON THE PLANS AND PERFORM ANY INCIDENTAL DEMOLITION WHICH MAY BE REQUIRED TO ACCOMPLISH THE IMPROVEMENTS SHOWN OR IMPLIED WITHIN THE PLANS.
- MATERIAL, EQUIPMENT AND FIXTURES TO BE REMOVED, WHICH ARE NOT NOTED FOR REUSE OR WHICH HAVE NOT BEEN DESIGNATED BY THE OWNER FOR RETAINAGE OR DELIVERY TO HIS WAREHOUSE OR HOLDING AREA(S), BECOME THE PROPERTY OF THE CONTRACTOR, PROMPTLY REMOVE FROM THE SITE. ANY DISPOSAL OF SAID MATERIALS SHALL BE DONE SO LEGALLY.
- RENDER THE ENTIRE SITE FREE OF, OR CLEARED OF, DEBRIS AND FREE OF DEMOLISHED REMNANTS AND DEBRIS AND OTHER ITEMS OR CONDITIONS WHICH MIGHT HAVE A DELETERIOUS EFFECT ON THE CONTINUED CONSTRUCTION OF THE PROJECT.
- PROVIDE ALL TEMPORARY TRAFFIC SAFETY DEVICES INCLUDING BUT NOT LIMITED TO BARRICADES, SIGNAGE, SIGNAL LIGHTS OR FLAGMEN TO PROTECT THE PUBLIC AT LARGE, AND HIS PERSONNEL WHILE OPERATING WITHIN PUBLIC STREETS AND/OR RIGHTS-OF-WAY.
- ERECT AND MAINTAIN SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE EPC MEASURES, REFERENCE SHEETS C-5 AND C-6 PRIOR TO OR CONCURRENT WITH DEMOLITION OPERATIONS AND SHALL PROTECT ALL ADJACENT PROPERTIES REGARDLESS OF OWNERSHIP.
- ALL EXISTING ASPHALT PAVEMENT THAT IS TO BE DEMOLISHED WILL BE DEMOLISHED AND REMOVED TO EARTH SUBGRADE. MATERIAL IS TO BE DISPOSED OF LEGALLY OFF-SITE.
- ALL BUFFERS AND TREE SAVE AREAS ARE TO BE CLEARLY IDENTIFIED WITH FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- REMOVE ALL MISCELLANEOUS DEBRIS FROM THE SITE.

**LEGEND**

 DEMOLISH, REMOVE AND LEGALLY DISPOSE OF EXISTING ASPHALT PAVEMENT, STONE BASE, CONCRETE SIDEWALK AND ALL APPURTENANCES.

 EXISTING UNDERGROUND STRUCTURES AND UTILITIES TO BE REMOVED

**CP | Architecture Engineering Planning**  
 615 MOLLY LANE SUITE 100  
 WOODSTOCK, GA 30189  
 CPteam.com

**PROJECT INFORMATION**

Project Number	16043.00
Client Name	TOWN OF JEFFERSON
Project Name	JEFFERSON DRAINAGE ANALYSIS

Project Address  
 94 COLLEGE STREET  
 JEFFERSON, GA 30549

**REVISION SCHEDULE**

No.	Date	Description



**SHEET INFORMATION**

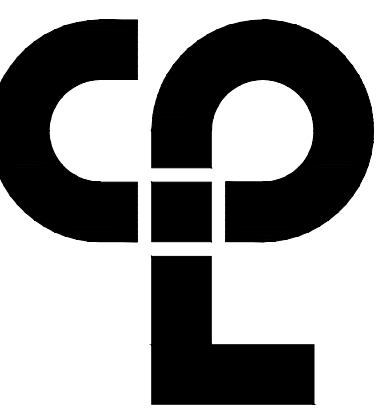
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Drawn By	ND	Checked By	RJE
Drawing Title	DEMOLITION PLAN		

Sheet Number  
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 4

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 Date last modified: 8/24/2021 10:41 AM  
 Plotted By: Ian Evans  
 Date last plotted: 8/25/2021 11:42 AM



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 Utilities Protection Center, Inc.  
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CPL | Architecture Engineering Planning  
 615 MOLLY LANE SUITE 100  
 WOODSTOCK, GA 30189  
 CPLteam.com

**PROJECT INFORMATION**

Project Number  
16043.00  
 Client Name  
TOWN OF JEFFERSON  
 Project Name  
JEFFERSON DRAINAGE ANALYSIS

Project Address  
94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

No. Date Description



**SHEET INFORMATION**

Issued  
8/26/2021  
 Scale  
1"=20'  
 Project Status  
 Drawn By  
ND  
 Checked By  
RJE  
 Drawing Title  
DEMOLITION PLAN

Sheet Number

C-3.2  
5

**LEGEND**

DEMOLISH, REMOVE AND LEGALLY DISPOSE OF EXISTING ASPHALT PAVEMENT, STONE BASE, CONCRETE SIDEWALK AND ALL APPURTENANCES.

EXISTING UNDERGROUND STRUCTURES AND UTILITIES TO BE REMOVED

2"OTP  
FND

3/4"OTP  
FND

1/2"RB  
FND

**SYCAMORE STREET**  
 (A.K.A. GA. HIGHWAY 15 & 82)  
 (APPARENT VARIABLE RIGHT OF WAY)

N/F  
CIA WALSH  
5X PG. 98  
ID # J06 072

N/F  
PATRICIA WALSH  
DB. 62Z PG. 620  
PARCEL ID # J06 073

N/F  
MORGAN & COURTNEY KLEIN  
DB. 88C PG. 413  
PB. 61 PG. 203  
PARCEL ID # J06 057A

N/F  
CHRISTINE ROPER  
DB. 17H PG. 239  
PB. 23 PG. 178  
PARCEL ID # J06 057

N/F  
CITY OF JEFFERSON  
DB. 84N PG. 261 & DB. 82Q PG. 22  
PB. 56 PG. 61 & PB. 63 PG. 106  
PARCEL ID # J06 057B & J06 058A

N/F  
WINDER FRIENDS  
PROPERTIES, LLC  
DB. 87D PG. 481  
PB. 56 PG. 297  
PARCEL ID # J06 058

N/F  
DOWNTOWN DEVELOPMENT  
AUTHORITY OF JEFFERSON  
DB. 67G PG. 719  
PB. 15 PG. 80  
PB. 61 PG. 207  
PARCEL ID # 068 063E1

EXISTING BUILDING (TO REMAIN)  
 (CONTRACTOR SHALL PROTECT  
 EXISTING BUILDING THROUGHOUT  
 DURATION OF PROJECT AND  
 ENSURE THAT PIPE INSTALLATION  
 METHOD MINIMIZES DISTURBANCE  
 TO BUILDING.)

EXISTING GRATE INLET  
 (TO REMAIN)

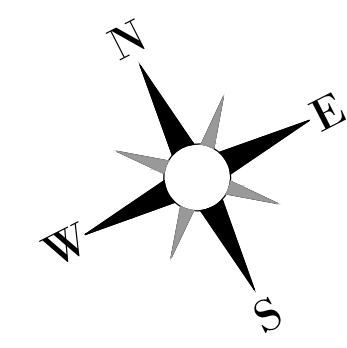
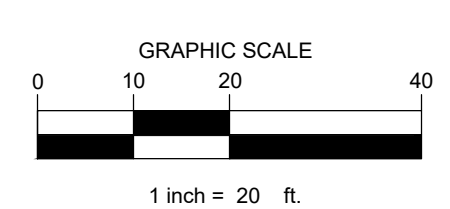
STOP FOR  
 PEDESTRIANS

EXISTING GRATE  
 INLET (TO REMAIN)

SSMH  
 TOP: 763.62  
 IN: 757.82  
 OUT: 757.72

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 Date last accessed: 8/24/2021 10:41 AM  
 Plotted By: Ian Evans  
 8"CLAY  
 MATCHLINE (SHEET C3.1)  
 MATCHLINE (SHEET C3.2)

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**SITE NOTES:**

- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE CITY, STATE AND FEDERAL CODES, STANDARDS & REGULATIONS.
- EROSION, SEDIMENT & POLLUTION CONTROL MEASURES SHALL BE ERECTED PRIOR TO ANY LAND DISTURBANCE ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION UNTIL PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED.
- THE CONTRACTOR SHALL MAINTAIN THE EROSION, SEDIMENT & POLLUTION CONTROL MEASURES DURING ALL PHASES OF CONSTRUCTION. CLEAN OUT AND REMOVE ALL ACCUMULATED SILT AND SEDIMENT WHENEVER SAID DEVICES ARE HALF FULL.
- ALL CONSTRUCTION SURVEYING (INCLUDING LAYOUT) SHALL BE PERFORMED BY A LAND SURVEYOR A CURRENT REGISTRATION AND LICENSURE IN THE STATE OF GEORGIA. SUBMIT PROOF OF REGISTRATION TO THE OWNER SEVEN DAYS PRIOR TO LAND DISTURBANCE.
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED ON PLANS.
- ANY ASSOCIATED PERMITTING FOR TRAFFIC CONTROL SHALL BE HANDLED BY THE CONTRACTOR.

**GRADING AND DRAINAGE NOTES:**

- NO PORTION OF THIS SITE LIES WITHIN A FLOODPLAIN PER FIRM PANEL 13085C0100C DATED APRIL 4, 2018.
- THERE ARE NO WETLANDS BEING DISTURBED ON THIS SITE.
- THERE IS NO STORMWATER MANAGEMENT PROVIDED WITH THIS PROJECT.
- NO STREAM BUFFERS EXIST ON THIS PROPERTY.
- WETLAND CERTIFICATION: THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING:
  - THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED; AND,
  - THE APPROPRIATE PLAN SHEET DOES NOT INDICATE AREAS OF UNITED STATES ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON THE MAPS; AND,
  - IF WETLANDS ARE INDICATED, THE LAND OWNER OR DEVELOPER HAS BEEN ADVISED THAT LAND DISTURBANCE OF PROTECTED WETLANDS SHALL NOT OCCUR UNLESS THE APPROPRIATE FEDERAL WETLANDS ALTERATION ("SECTION 404") PERMIT HAS BEEN OBTAINED.
- THE CITY OF JEFFERSON ASSUMES NO RESPONSIBILITY FOR FLOODING, EROSION, OR ANY OTHER STORMWATER-RELATED PROBLEMS THAT OCCUR BEYOND THE EXTENT OF THE STREET RIGHT-OF-WAY, OR FOR THE MAINTENANCE, REPAIR, OR EXTENSION OF ANY STORM DRAIN LINES, STORM DRAIN STRUCTURES, SWALES, CHANNELS, DITCHES, OR NATURAL WATERCOURSES OUTSIDE OF THE CITY RIGHT-OF-WAY.
- STRUCTURES ARE NOT ALLOWED IN DRAINAGE EASEMENTS.
- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNERS OF THE STORM WATER MANAGEMENT FACILITY TO KEEP THE ACCESS DRIVE FREE OF OBSTRUCTIONS AND TO MAINTAIN THE FACILITY FREE OF OBSTRUCTIONS, SILT AND DEBRIS, AND OPERATIONAL PURSUANT TO CITY REQUIREMENTS.
- SOURCE OF TOPOGRAPHY IS SURVEY BY DES DAVIS ENGINEERING AND SURVEYING, INC. DATED 10/08/2018.
- ALL RCP PIPE JOINTS SHALL BE BELL & SPIGOT TYPES WITH A RUBBER GASKET CONFORMING TO ASTM C-443. THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AASHTO M-170 AND/OR ASTM C-76. CLASS OF PIPE AND WALL THICKNESS SHALL BE IN ACCORDANCE WITH 1030-D, GEORGIA DOT SPECIFICATION, TABLE NO. 1. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 550 OF THE GEORGIA DOT STANDARD SPECIFICATIONS, CONSTRUCTION OF ROADS AND BRIDGES.
- BE THOROUGHLY FAMILIAR WITH ALL EXISTING SITE CONDITIONS BY SITE.
- ESTABLISH AND MAINTAIN HORIZONTAL AND VERTICAL BENCHMARKS THROUGHOUT THE DURATION OF THE PROJECT.
- PROVIDE AN "AS-BUILT" SURVEY OF ALL SITE IMPROVEMENTS INCLUDING WATER, SEWER AND FIRE PROTECTION SYSTEMS; SAID "AS-BUILT" SURVEY SHALL BE PERFORMED BY AN EXPERIENCED GEORGIA REGISTERED LAND SURVEYOR AND SHALL ILLUSTRATE ALL FINAL GRADE ELEVATIONS, HORIZONTAL AND VERTICAL RELATIONSHIPS BETWEEN BUILT STRUCTURES. PIPING, ADD POND FINISHED GRADIENTS OF PIPES AND MATERIALS TYPES. THE CONTRACTOR SHALL RENDER THE AS-BUILT DRAWINGS AT AN ACCEPTABLE MEASURED SCALE(S) AND SHALL DELIVER A REPRODUCIBLE COPY OF SAID "AS-BUILT" TO THE OWNER PRIOR TO APPLICATION OF FINAL PAYMENT.
- LIMIT CONSTRUCTION OPERATIONS TO THE PROJECT SITE AND PROTECT ADJACENT PROPERTIES AND PROPERTY OWNERS FROM ENCROACHMENT BY SOIL EROSION.
- THE SCOPE OF WORK DEFINED WITHIN THIS PLAN INCLUDES ALL GRADING OPERATIONS FOR FINAL GRADE ELEVATIONS AS SHOWN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL EARTH QUANTITIES, GRADING OPERATIONS AND MISCELLANEOUS HAULING AND/OR DISPOSAL OPERATIONS TO RENDER THE SITE TO THE FINAL CONTOUR AND GRADE ELEVATIONS SHOWN ON THE PLAN. FILL REQUIRED SHALL BE FURNISHED, INSTALLED AND COMPACTED AS PART OF CONTRACTOR'S BASE BID. IF "EXCESS" CUT IS GENERATED FROM EXCAVATIONS, SAID "EXCESS" SHALL BE DISTRIBUTED AND FINE GRADED AND GRASSED ON DESIGNATED OR APPROVED AREA OF THE OWNER'S PROPERTY.
- LAND DISTURBANCE TO BE LIMITED TO THOSE AREAS NEEDED FOR STREETS, DRAINAGE, BUILDINGS, PARKING, AND UTILITIES. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.

ALL STORM STRUCTURES PER GA DOT STANDARDS.  
ALL PIPE GAUGE/CLASS PER GA DOT 1030-D STANDARD.

**LEGEND**

	ASPHALT PAVEMENT SHEET C-13.0
	CONCRETE PAVEMENT SHEET C-13.0
	CONCRETE SIDEWALK SHEET C-13.0

**E MINDEN STREET**  
(APPARENT VARIABLE RIGHT OF WAY)

**DELL STREET**  
(APPARENT VARIABLE RIGHT OF WAY)

**COLLEGE STREET**  
(APPARENT VARIABLE RIGHT OF WAY)

Date last plotted: 8/25/2021 11:43 AM  
 Date last accessed: 8/24/2021 10:41 AM  
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 8/23/2021

**GEORGIA811**  
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1-800-282-7411  
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**CPL**  
CPL | Architecture Engineering Planning  
615 MOLLY LANE SUITE 100  
WOODSTOCK, GA 30189  
CPLteam.com

**PROJECT INFORMATION**  
Project Number: 16043.00  
Client Name: TOWN OF JEFFERSON  
Project Name: JEFFERSON DRAINAGE ANALYSIS  
Project Address: 94 COLLEGE STREET, JEFFERSON, GA 30549

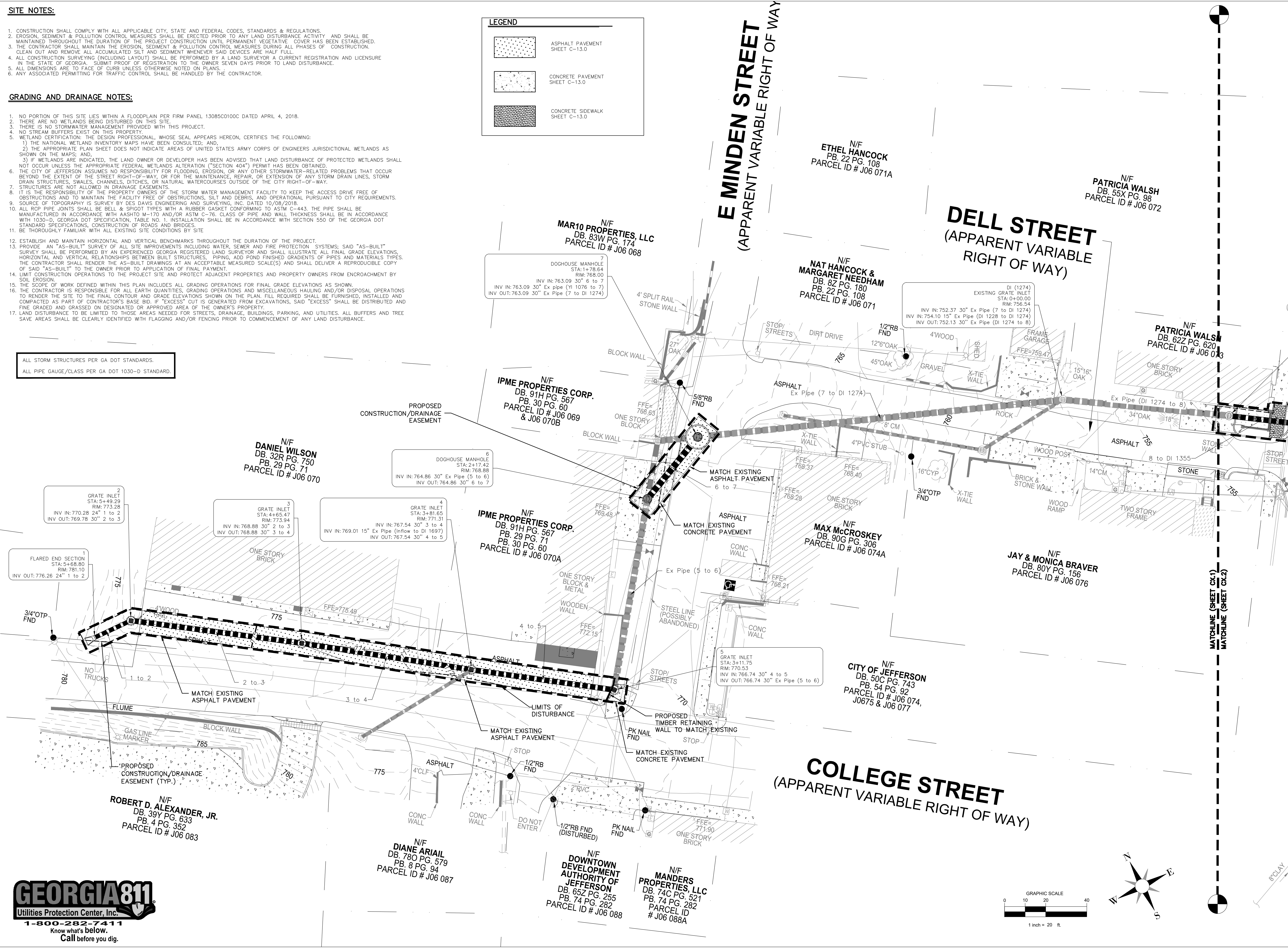
**REVISION SCHEDULE**

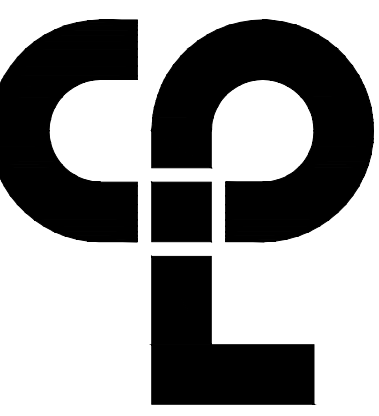
No.	Date	Description

**PROFESSIONAL ENGINEER**  
RICHARD JAMES EDINGER, JR.  
No. 0022101  
8/25/2021

**SHEET INFORMATION**  
Issued: 8/26/2021  
Scale: 1"=20'  
Project Status: ND  
Drawn By: RJE  
Checked By: RJE  
Drawing Title: SITE/GRADING PLAN

Sheet Number: **C-4.1**  
6





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**PROJECT INFORMATION**

Project Number  
16043.00  
Client Name  
TOWN OF JEFFERSON

Project Name  
JEFFERSON DRAINAGE ANALYSIS

Project Address  
94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

No. Date Description



**SHEET INFORMATION**

Issued  
8/26/2021  
Scale  
1"=20'  
Project Status  
Drawn By  
ND  
Checked By  
RJE  
Drawing Title  
SITE/GRADING PLAN

Sheet Number

C-4.2  
7

**LEGEND**

- ASPHALT PAVEMENT SHEET C-13.0
- CONCRETE PAVEMENT SHEET C-13.0
- CONCRETE SIDEWALK SHEET C-13.0

2"OTB  
FND

3/4"OTB  
FND

1/2"RB  
FND

**SYCAMORE STREET**  
(A.K.A. GA. HIGHWAY 15 & 82)  
APPARENT VARIABLE RIGHT OF WAY

N/F  
CIA WALSH  
5X PG. 98  
ID # J06 072

N/F  
PATRICIA WALSH  
DB. 62Z PG. 620  
PARCEL ID # J06 073

JB (1567)  
EXISTING JUNCTION BOX  
STA: 2+63.86  
RIM: 753.71  
INV IN: 748.15 30" Ex Pipe (DI 1355 to JB 1567)  
INV IN: 749.39 18" Ex Pipe (CB 1556 to JB 1567)  
INV OUT: 748.00 36" Ex Pipe (JB 1567 to Inaccessible Structure)

N/F  
MORGAN & COURTNEY KLEIN  
DB. 88C PG. 413  
PB. 61 PG. 203  
PARCEL ID # J06 057A

N/F  
CHRISTINE ROPER  
DB. 17H PG. 239  
PB. 23 PG. 178  
PARCEL ID # J06 057

EX. CONC. STRUCTURE (INACCESSIBLE)  
EXISTING CONCRETE JUNCTION BOX  
STA: 1+20.79  
RIM: 750.84  
INV IN: 741.44 36" Ex Pipe (JB 1567 to Inaccessible Structure)  
INV OUT: 741.00 36" Ex Pipe (Inaccessible Structure to Y1 (2109))

Y1 (2109)  
EXISTING YARD INLET  
STA: 0+66.70  
RIM: 740.44  
INV IN: 735.99 36" Ex Pipe (Inaccessible Structure to Y1 (2109))  
INV OUT: 735.89 36" Ex Pipe (Y1 (2109) to Outfall)

N/F  
CITY OF JEFFERSON  
DB. 84N PG. 261 & DB. 82Q PG. 22  
PB. 56 PG. 61 & PB. 63 PG. 106  
PARCEL ID # J06 057B & J06 058A

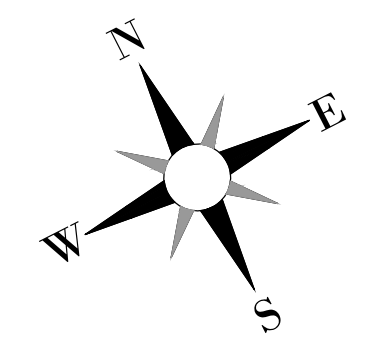
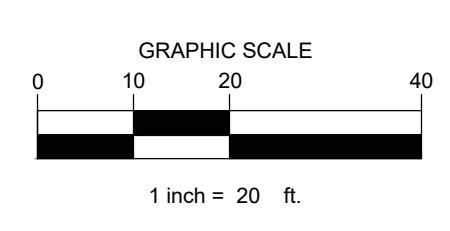
N/F  
WINDER FRIENDS  
PROPERTIES, LLC  
DB. 87D PG. 481  
PB. 56 PG. 297  
PARCEL ID # J06 058

N/F  
DOWNTOWN DEVELOPMENT  
AUTHORITY OF JEFFERSON  
DB. 67G PG. 719  
PB. 15 PG. 80  
PB. 61 PG. 207  
PARCEL ID # 068 063E1

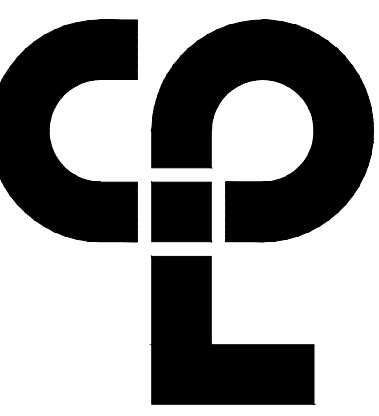
DI (1355)  
EXISTING GRATE INLET  
STA: 3+26.42  
RIM: 754.08  
INV IN: 750.13 30" 8 to DI 1355  
INV IN: 750.09 18" Ex Pipe (CB 1412 to DI 1355)  
INV OUT: 750.09 30" Ex Pipe (DI 1355 to JB 1567)

SSMH  
TOP: 763.62  
IN: 757.82  
OUT: 757.72

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Drawing Name: S:\Projects\CMAA\Jefferson Drainage\0 Design\ACAD\Civil\Jefferson Storm System Analysis.dwg  
 Date last accessed: 8/24/2021 10:41 AM  
 Date last plotted: 8/25/2021 11:45 AM  
 Plotted by: Ian Evans



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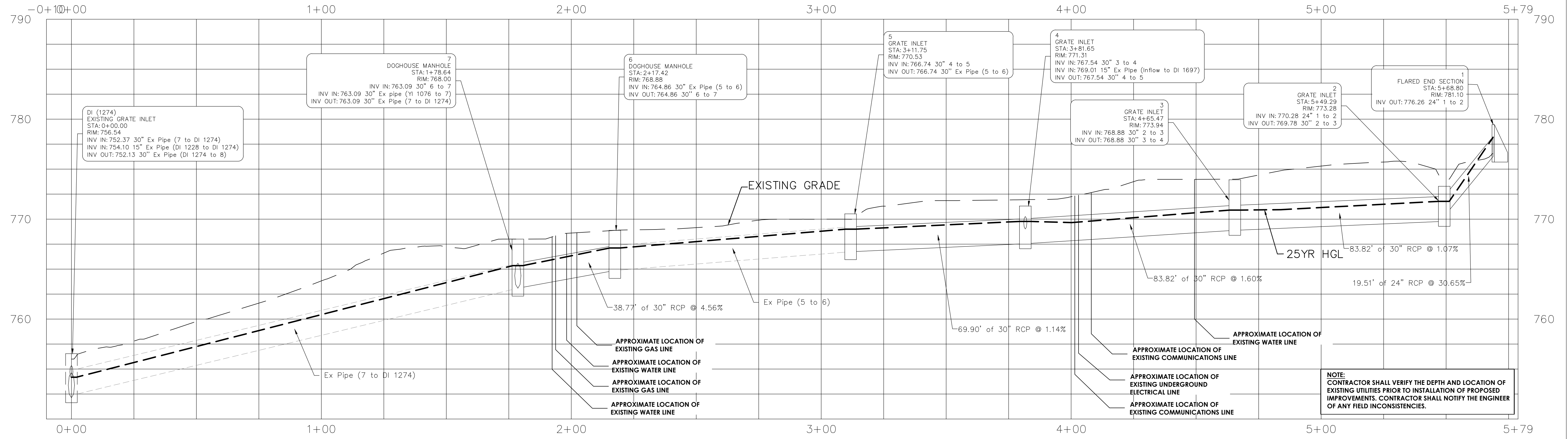
**PROJECT INFORMATION**

Project Number  
16043.00  
Client Name  
TOWN OF JEFFERSON  
Project Name  
JEFFERSON DRAINAGE ANALYSIS

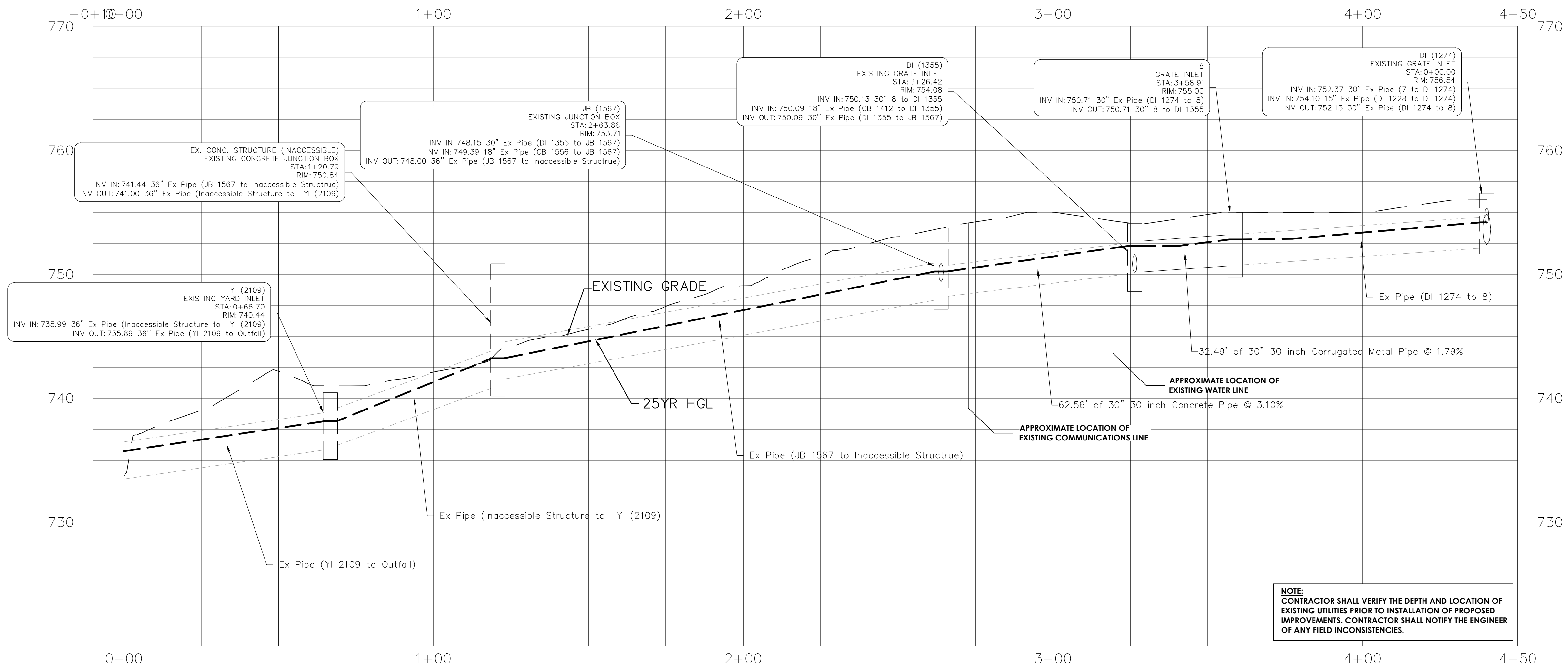
Project Address  
94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

No. Date Description



1 to 1076  
Hor. Scale 1"=20'  
Vert. Scale 1"=5'



1076 TO Outfall  
Hor. Scale 1"=20'  
Vert. Scale 1"=5'



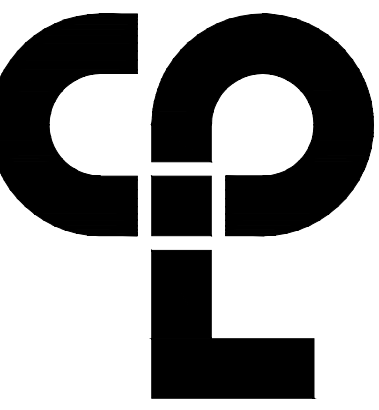
**SHEET INFORMATION**

Issued  
8/26/2021  
Scale  
N/A  
Project Status  
Drawn By  
ND  
Checked By  
RJE  
Drawing Title  
STORM PROFILE

Sheet Number  
C-5.0  
8

Drawing Name: S:\Projects\CKM\LLC\Jefferson\Drainage\CAD\Civil\Jefferson Storm System Analysis\sheet 8.23.dwg  
 Date last accessed: 8/24/2021 10:41 AM  
 Date last plotted: 8/25/2021 11:48 AM  
 Plotted By: Ian Evans





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WOODSTOCK, GA 30189  
CPLteam.com

**PROJECT INFORMATION**

Project Number  
16043.00  
Client Name  
TOWN OF JEFFERSON

Project Name  
JEFFERSON DRAINAGE ANALYSIS

Project Address  
94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

No.	Date	Description



8/25/2021

**SHEET INFORMATION**

Issued: 8/26/2021 Scale: N/A  
Project Status:  
Drawn By: ND Checked By: RJE  
Drawing Title: STORM PIPE CHART

Sheet Number

C-6.0  
9

### 10 YEAR PIPE CHART

Page 1

Station	Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (l)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID	
		Incr	Total		Incr	Total	Inlet	Syst					Size	Slope	Dn	Up	Dn	Up	Dn	Up		Dn
Line	To Line	(ft)	(ac)	(C)	(ac)	(C)	(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	End	66.695	0.40	19.65	0.89	0.36	10.79	5.0	32.9	3.6	38.34	127.0	7.17	36	3.63	733.47	735.89	735.72	737.90	737.64	740.44	Ex Pipe (Y1 2109 t
2	1	54.095	0.00	19.25	0.00	0.00	10.43	0.0	32.8	3.6	37.16	203.0	7.66	36	9.26	735.99	741.00	737.90	742.98	740.44	750.84	Ex Pipe (Inaccessi
3	2	143.068	0.00	19.25	0.00	0.00	10.43	0.0	32.4	3.6	37.38	142.8	8.87	36	4.59	741.44	748.00	742.98	749.99	750.84	753.71	Ex Pipe (JB 1567
4	3	62.562	0.15	18.51	0.82	0.12	9.73	5.0	32.3	3.6	34.93	72.22	8.66	30	3.10	748.15	750.09	749.99	752.10	753.71	754.08	DI 1355 to JB 156
5	4	32.485	0.37	16.59	0.89	0.33	8.54	5.0	32.2	3.6	30.71	54.80	7.57	30	1.79	750.13	750.71	752.10	752.60	754.08	755.00	8 to DI 1355
6	5	81.204	0.11	16.22	0.44	0.05	8.21	5.0	32.1	3.6	29.61	54.23	7.52	30	1.75	750.71	752.13	752.60	753.98	755.00	756.54	Ex Pipe (DI 1274 t
7	6	178.636	0.00	15.69	0.00	0.00	7.98	0.0	15.9	5.1	40.59	100.5	10.59	30	6.00	752.37	763.09	753.98	765.23	756.54	768.00	Ex Pipe (7 to DI 1
8	7	38.773	0.00	15.59	0.00	0.00	7.91	0.0	15.8	5.1	40.32	87.62	9.02	30	4.56	763.09	764.86	765.23	766.99	768.00	768.88	6 to 7
9	8	94.342	0.28	15.59	0.96	0.27	7.91	5.0	15.6	5.1	40.52	57.89	9.07	30	1.99	764.86	766.74	766.99	768.88	768.88	770.53	Ex Pipe (5 to 6)
10	9	69.902	1.15	15.31	0.53	0.61	7.64	5.0	15.5	5.1	39.30	43.87	8.84	30	1.14	766.74	767.54	768.88	769.65	770.53	771.31	4 to 5
11	10	83.817	0.21	12.26	0.92	0.19	5.97	5.0	15.3	5.2	30.88	51.86	7.36	30	1.60	767.54	768.88	769.65	770.77	771.31	773.94	3 to 4
12	11	83.820	0.05	12.05	0.35	0.02	5.78	5.0	15.0	5.2	30.07	42.50	7.59	30	1.07	768.88	769.78	770.77	771.65	773.94	773.28	2 to 3
13	12	19.508	12.00	12.00	0.48	5.76	5.76	15.0	15.0	5.2	30.00	125.2	11.48	24	30.65	770.28	776.26	771.65	778.12	773.28	781.10	1 to 2
14	10	62.481	1.90	1.90	0.56	1.06	1.06	5.0	5.0	7.2	7.70	12.36	8.68	15	3.67	769.01	771.30	769.72	772.40	771.31	772.00	Ex Pipe (Inflow to
15	7	19.535	0.10	0.10	0.71	0.07	0.07	5.0	5.0	7.2	0.51	102.1	1.18	30	6.19	763.09	764.30	765.23	764.53	768.00	768.24	Ex pipe (Y1 1076 t
16	6	46.473	0.39	0.42	0.44	0.17	0.18	5.0	31.3	3.7	0.67	13.53	4.21	15	4.39	754.10	756.14	754.29	756.46	756.54	757.74	Ex Pipe (DI 1228 t
17	16	97.875	0.03	0.03	0.35	0.01	0.01	5.0	5.0	7.2	0.08	19.27	0.96	15	8.91	756.19	764.91	756.46	765.02	757.74	766.00	Ex Pipe (Inflow to
18	4	56.593	1.77	1.77	0.60	1.06	1.06	5.0	5.0	7.2	7.69	9.67	4.35	18	0.85	750.09	750.57	752.10	752.40	754.08	758.58	Ex Pipe (CB 1412
19	3	21.724	0.74	0.74	0.95	0.70	0.70	5.0	5.0	7.2	5.09	13.14	5.88	18	1.56	749.39	749.73	750.04	750.60	753.71	753.70	Ex Pipe (CB 1556

Project File: Jefferson Stom Analysis Stormsewers-Alternate Run.stm      Number of lines: 19      Run Date: 8/24/2021

NOTES: Intensity = 88.24 / (Inlet time + 15.50) ^ 0.83; Return period = Yrs. 10 ; c = cir e = ellip b = box

Storm Sewers v12.00

### 25 YEAR PIPE CHART

Page 1

Station	Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (l)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID	
		Incr	Total		Incr	Total	Inlet	Syst					Size	Slope	Dn	Up	Dn	Up	Dn	Up		Dn
Line	To Line	(ft)	(ac)	(C)	(ac)	(C)	(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	End	66.695	0.40	19.65	0.89	0.36	10.79	5.0	29.5	4.4	47.65	127.0	8.39	36	3.63	733.47	735.89	735.72	738.14	737.64	740.44	Ex Pipe (Y1 2109 t
2	1	54.095	0.00	19.25	0.00	0.00	10.43	0.0	29.4	4.4	46.17	203.0	8.40	36	9.26	735.99	741.00	738.14	743.21	740.44	750.84	Ex Pipe (Inaccessi
3	2	143.068	0.00	19.25	0.00	0.00	10.43	0.0	29.1	4.4	46.42	142.8	9.49	36	4.59	741.44	748.00	743.21	750.22	750.84	753.71	Ex Pipe (JB 1567
4	3	62.562	0.15	18.51	0.82	0.12	9.73	5.0	29.0	4.5	43.36	72.22	9.74	30	3.10	748.15	750.09	750.22	752.29	753.71	754.08	DI 1355 to JB 156
5	4	32.485	0.37	16.59	0.89	0.33	8.54	5.0	28.9	4.5	38.12	54.80	8.59	30	1.79	750.13	750.71	752.29	752.80	754.08	755.00	8 to DI 1355
6	5	81.204	0.11	16.22	0.44	0.05	8.21	5.0	28.8	4.5	36.75	54.23	8.46	30	1.75	750.71	752.13	752.80	754.18	755.00	756.54	Ex Pipe (DI 1274 t
7	6	178.636	0.00	15.69	0.00	0.00	7.98	0.0	15.8	5.9	47.15	100.5	11.24	30	6.00	752.37	763.09	754.18	765.35	756.54	768.00	Ex Pipe (7 to DI 1
8	7	38.773	0.00	15.59	0.00	0.00	7.91	0.0	15.7	5.9	46.81	87.62	10.04	30	4.56	763.09	764.86	765.35	767.11	768.00	768.88	6 to 7
9	8	94.342	0.28	15.59	0.96	0.27	7.91	5.0	15.5	5.9	47.01	57.89	10.09	30	1.99	764.86	766.74	767.11	769.00	768.88	770.53	Ex Pipe (5 to 6)
10	9	69.902	1.15	15.31	0.53	0.61	7.64	5.0	15.4	6.0	45.56	43.87	9.81	30	1.14	766.74	767.54	769.00	769.77	770.53	771.31	4 to 5
11	10	83.817	0.21	12.26	0.92	0.19	5.97	5.0	15.2	6.0	35.77	51.86	8.06	30	1.60	767.54	768.88	769.77	770.91	771.31	773.94	3 to 4
12	11	83.820	0.05	12.05	0.35	0.02	5.78	5.0	15.0	6.0	34.79	42.50	8.21	30	1.07	768.88	769.78	770.91	771.78	773.94	773.28	2 to 3
13	12	19.508	12.00	12.00	0.48	5.76	5.76	15.0	15.0	6.0	34.71	125.2	12.46	24	30.65	770.28	776.26	771.78	778.18	773.28	781.10	1 to 2
14	10	62.481	1.90	1.90	0.56	1.06	1.06	5.0	5.0	8.2	8.78	12.36	9.19	15	3.67	769.01	771.30	769.79	772.45	771.31	772.00	Ex Pipe (Inflow to
15	7	19.535	0.10	0.10	0.71	0.07	0.07	5.0	5.0	8.2	0.59	102.1	1.23	30	6.19	763.09	764.30	765.35	764.55	768.00	768.24	Ex pipe (Y1 1076 t
16	6	46.473	0.39	0.42	0.44	0.17	0.18	5.0	28.1	4.5	0.82	13.53	4.48	15	4.39	754.10	756.14	754.31	756.50	756.54	757.74	Ex Pipe (DI 1228 t
17	16	97.875	0.03	0.03	0.35	0.01	0.01	5.0	5.0	8.2	0.09	19.27	0.97	15	8.91	756.19	764.91	756.50	765.02	757.74	766.00	Ex Pipe (Inflow to
18	4	56.593	1.77	1.77	0.60	1.06	1.06	5.0	5.0	8.2	8.76	9.67	4.96	18	0.85	750.09	750.57	752.29	752.68	754.08	758.58	Ex Pipe (CB 1412
19	3	21.724	0.74	0.74	0.95	0.70	0.70	5.0	5.0	8.2	5.80	13.14	5.42	18	1.56	749.39	749.73	750.22	750.66	753.71	753.70	Ex Pipe (CB 1556

Project File: Jefferson Stom Analysis Stormsewers-Alternate Run.stm      Number of lines: 19      Run Date: 8/24/2021

NOTES: Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period = Yrs. 25 ; c = cir e = ellip b = box

Storm Sewers v12.00

CHECK LIST # 1

SEE SHEET C-9.0 CHECKLIST # 2

RICH J EDINGER GSWCC LEVEL II CERT # 0000002983

CHECKLIST # 3

NOT APPLICABLE - LIMITS OF DISTURBANCE < 50 ACRES

CHECKLIST # 4

24 HOUR LOCAL CONTACT MR. JEFF KILLIP CITY OF JEFFERSON 147 ATHENS STREET JEFFERSON, GA 30549 PHONE: (706)367-5121

CHECKLIST # 5

CITY OF JEFFERSON 147 ATHENS STREET JEFFERSON, GA 30549 CONTACT: MR. JEFF KILLIP, PUBLIC WORKS DIRECTOR PHONE: (706) 367-5121 EMAIL: JKILLIP@CITYOFJEFFERSONGA.COM

CHECKLIST # 6

DISTURBED AREA: 0.11 ACRES

CHECKLIST # 7

NO CONSTRUCTION EXIT WILL BE REQUIRED FOR THIS PROJECT.

CHECKLIST # 8

REFERENCE TITLE BLOCK ALL SHEETS.

CHECKLIST # 9

NATURE OF THE CONSTRUCTION ACTIVITY: REMOVAL AND INSTALLATION OF STORM SEWER STRUCTURES AND PIPING

CHECKLIST # 10

REFERENCE SHEET C-9.0.

CHECKLIST # 11

RECEIVING WATERS: A UNNAMED TRIBUTARY OF CURRY CREEK

STORM WATER IS ROUTED THROUGH PROPOSED PIPE REPLACEMENTS TO AN EXISTING STORM SYSTEM WHICH IS CONVEYED TO AN UNNAMED TRIBUTARY OF CURRY CREEK LESS THAN A MILE DOWN STREAM.

CKHLIST # 12

SITE VISIT CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

RICH J, EDINGER, P.E.

CHECKLIST # 13

CERTIFICATION:

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, (MANUAL)" PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALL(S) AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

RICH J, EDINGER, P.E.

CHECKLIST # 14

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITH IN 7 DAYS AFTER INSTALLATION.

THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITEE WITHIN SEVEN (7) DAYS AND THE PERMITEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION INSPECT THE INSTALLATION OF INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN (7) DAYS

DATE OF INSPECTION

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GSWCC LEVEL II DESIGN PROFESSIONAL #

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN.

THESE DOCUMENTS MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

CHECKLIST # 15

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF COASTAL MARSHLAND BUFFER AS MEASURED FROM JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

(1), EXCEPT AS PROVIDED IN PART IV, (II), BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED, OR ALONG ANY EPHEMERAL STREAM, OR WHERE BULKHEADS AND SEAWALLS MUST BE CONSTRUCTED TO PREVENT THE EROSION OF THE SHORELINE ON LAKE OCONEE AND LAKE SINCLAIR. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

(1) PUBLIC DRINKING WATER SYSTEM RESERVOIRS,

(2) STREAM CROSSINGS FOR WATER AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER,

(3) BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER, AND

(4) STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT: (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION.

(ii). NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS 'TROUT STREAMS' EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED; PROVIDED, HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS 'TROUT STREAMS' WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER OR THEY MAY BE PIPED, AT THE DISCRETION OF THE PERMITEE, PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH PIPE MUST STOP SHORT OF THE DOWNSTREAM PERMITEE'S PROPERTY, AND THE PERMITEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

(1) PUBLIC DRINKING WATER SYSTEM RESERVOIRS,

(2) STREAM CROSSINGS FOR WATER AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER,

(3) BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER,

(4) STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT: (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION.

CHECKLIST # 16

NO BUFFERS WILL BE ENCRoACHED UPON. NO VARIANCE IS REQUIRED

CHECKLIST # 17

AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN

EMERGENCY CONTACT:

MR. JEFF KILLIP 147 ATHENS STREET JEFFERSON, GA 30549 PHONE: (706) 367-5121

PROFESSIONAL.

CHECKLIST # 18

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

CHECKLIST # 19

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

CHECKLIST # 20

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

CHECKLIST # 21

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING

CHECKLIST # 22

THE SITE IS NOT WITHIN A MILE OF AN IMPAIRED STREAM.

CHECKLIST # 23

TMDL PLAN NOT AVAILABLE

CHECKLIST # 24

TRUCK WASH-DOWN FACILITY

USE FOR THE CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND REAR OF VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

THE CONTRACTOR SHALL EXCAVATE A PIT OUTSIDE OF STATE WATER BUFFERS, AT LEAST 25 FEET FROM ANY STORM DRAIN AND OUTSIDE OF THE TRAVEL WAY, INCLUDING SHOULDERS, FOR A WASH/PIT AREA. THE PIT SHALL BE LARGE ENOUGH TO STORE ALL WASH-DOWN WATER WITHOUT OVERTOPPING THE PIT. IMMEDIATELY AFTER THE WASH-DOWN OPERATIONS ARE COMPLETED AND AFTER THE WASH-DOWN WATER HAS SOAKED INTO THE GROUND, THE PIT SHALL BE FILLED IN, AND THE GROUND ABOVE SHALL BE GRADED TO MATCH THE ELEVATION OF THE SURROUNDING AREAS SMOOTHED OUT. ALTERNATE WASH DOWN PLANS MUST BE APPROVED BY THE PROJECT ENGINEER. WASH-DOWN PLANS DESCRIBE PROCEDURES THAT PREVENT WASH DOWN WATER FROM ENTERING STREAMS AND RIVERS. NEVER DISPOSE OF WASH-DOWN WATER DOWN A STORM DRAIN. ESTABLISH A WASH-DOWN WATER PIT LOCATION THAT INCLUDES THE FOLLOWING: (1) THE PIT IS LOCATED AWAY FROM A STORM DRAIN, STREAM OR RIVER, (2) THE PIT IS ACCESSIBLE TO THE VEHICLE BEING USED FOR WASH-DOWN, (3) THE PIT HAS ENOUGH VOLUME FOR WASH-DOWN WATER, AND (4) MAKE SURE YOU HAVE PERMISSION TO USE THE AREA FOR WASH-DOWN. ON SOME SITES, YOU MAY NOT HAVE PERMISSION OR ACCESS TO

A LOCATION WHICH ALLOWS FOR A WASH-DOWN PIT. IN THOSE CASES, THE CONTRACTOR MAY HAVE TO WASH-DOWN INTO A WHEELBARRROW OR OTHER CONTAINER AND CARRY THE CONTAINER FOR TRANSPORT TO A PROPER DISPOSAL SITE. FOR ADDITIONAL INFORMATION, REFER TO THE GEORGIA SMALL BUSINESS ENVIRONMENTAL ASSISTANCE PROGRAM'S "A GUIDE FOR READY MIX CHUTE/HOPPER WASH-DOWN".

CHECKLIST # 25

SPILL CLEANUP AND CONTROL PRACTICES

LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.

FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802 and 1-202-426-2675.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802 and 1-202-426-2675.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.

FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE. (THIS INCLUDES CAPACITIES OF EQUIP.) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

CHECKLIST # 26

STORMWATER WILL BE ROUTED TO AN EXISTING DITCH WHICH DISCHARGES TO AN UNNAMED TRIBUTARY OF CURRY CREEK

CHECKLIST # 27

CONTRACTOR IS REQUIRED TO COVER ALL BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE WITH HEAVY GAUGE PLASTIC TARPS AT ALL TIMES. CONTRACTOR SHALL LIMIT AMOUNT OF BUILDING MATERIALS AND BUILDING PRODUCTS TO THE MINIMAL AMOUNT NECESSARY FOR EACH PHASE OF CONSTRUCTION.

CHECKLIST # 28

PRACTICES TO BE USED TO REDUCE POLLUTANTS IN STORM WATER DISCHARGE:

PRODUCT SPECIFIC PRACTICES:

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS, AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM

WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

CHECKLIST # 29

SEE SHEET C-9.0 FOR ACTIVITIES SCHEDULE

CHECKLIST # 30

INSPECTIONS

A. PRIMARY PERMITTEE.

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (B) ALL LOCATIONS AT THE PRIMARY PERMITEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM OCCURS ON A FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE

FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

CHECKLIST # 31

D. SAMPLING FREQUENCY.

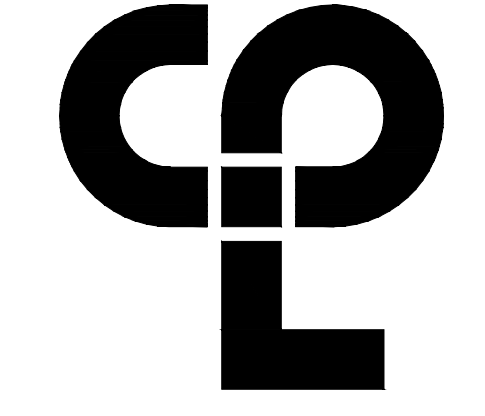
(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.

(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITEE'S CONTROL, THE PERMITEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.

(3). SAMPLING BY THE PERMITEE SHALL OCCUR FOR THE FOLLOWING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT. IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;



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PROJECT INFORMATION

Project Number 16043.00 Client Name TOWN OF JEFFERSON

Project Name JEFFERSON DRAINAGE ANALYSIS

Project Address 9A COLLEGE STREET JEFFERSON, GA 30549

REVISION SCHEDULE

No. Date Description



SHEET INFORMATION

Issued 8/26/2021 Scale N/A

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CHECKLIST # 31

D. SAMPLING FREQUENCY.

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW...

(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL...

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE...

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS...

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED...

(D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT...

(E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B).

\*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

E. REPORTING.

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD...

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION. A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS; B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT.

CHECKLIST # 32

F. RETENTION OF RECORDS.

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

- A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD; B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT; C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT.

CHECKLIST # 33

B. SAMPLE TYPE. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED);

- 1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. 2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. 3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION. 4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION.

CHECKLIST # 34

25 NTU FOR OUTFALL SAMPLING FOR WARM WATERS.

CHECKLIST # 35

REFERENCE PLAN SHEETS C-10.1-10.2 FOR LOCATION.

CHECKLIST # 36

NARRATIVE OF EROSION/SEDIMENT CONTROL PRACTICES:

INITIAL PHASE: SITE PREPARATION.

THIS STAGE RELATES TO ALL ACTIVITIES PRIOR TO CONSTRUCTION ACTIVITIES AND SHALL BE COMPLETED INTO THREE SUB-STAGES, ACCORDING TO THE FOLLOWING ORDER:

- A. INSTALLATION OF TEMPORARY SLIT FENCES AND BALED STRAW EROSION CHECKS AS SHOWN ON PLANS. SILT FENCES SHALL SPECIALLY BE USED AS PREVENTIVE FILTERS TO PROTECT EXISTING PONDS, LAKES AND SMALL CHANNELS. THEY MUST BE APPLIED UPSTREAM OF PONDS/LAKES AND DOWNSTREAM OF CONSTRUCTION. B. ACCESS STABILIZATION: CONSTRUCTION EXITS SHALL PROVIDE STABLE ACCESS TO SITES, THEY MUST BE CHECKED DAILY AND REPAIRED AS NEEDED. THEY MUST BE REMOVED AFTER CONSTRUCTION AND RESTORED TO PRE-EXISTING CONDITIONS. C. CLEARING AND GRUBBING OPERATIONS: DURING THIS SUB-STAGE, ALL EXPOSED AREAS MUST BE COVERED WITH TEMPORARY MULCH. THE MULCH SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN FOURTEEN DAYS OF DISTURBANCE AND THEY WILL BE MAINTAINED SO THAT AT LEAST NINETY PERCENT OF THE SOIL SURFACE IS COVERED.

INTERMEDIATE PHASE: INTERMEDIATE AND FINAL CONSTRUCTION ACTIVITIES.

DURING THIS STAGE, GRADING OPERATIONS TAKE PLACE. APPROVED TEMPORARY AND PERMANENT VEGETATIVE AND STRUCTURAL BMPs MUST BE APPLIED AS SHOWN ON PLANS. ON AREAS WHERE TEMPORARY VEGETATIVE BMPs HAVE TO BE APPLIED, ALL BMPs MENTIONED FOR CLEARING AND GRUBBING SHALL APPLY.

PERMANENT VEGETATIVE BMPs SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS. THIS PRACTICE OR SODDING SHALL ALSO BE APPLIED IMMEDIATELY TO ALL AREAS AT FINAL GRADE.

SPECIES APPROPRIATE FOR THE REGION SHALL BE PLANTED, ESTABLISHED, AND MAINTAINED SO THAT AT LEAST SEVENTY PERCENT OF THE SOIL IS COVERED WITH PERENNIAL VEGETATION FOR LONG-TERM EROSION CONTROL. FOR ADEQUATE PLANT GROWTH, THE SOIL MUST HAVE PROPER PH AND AMPLE PLANT FOOD.

THE TEMPORARY AND PERMANENT STRUCTURAL BMPs ARE SHOWN ON PLANS. TO PROVIDE EROSION CONTROL AT POINT OF CONCENTRATED FLOW AND HIGH FLOW VELOCITIES, ROCK FILTER DAM AND STONE DUMPED RIP RAP SHALL BE USED. SEDIMENT BARRIER MUST BE INSTALLED ALONG CONTOURS WITH ENDS POINTING UPHILL EXCEPT IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.

FINAL PHASE:

ALL PERMANENT, POST-CONSTRUCTION BMPs ARE SHOWN IN THE CONSTRUCTION PLANS AND IN THE ES&P PLAN. THE POST-CONSTRUCTION BMPs FOR THIS PROJECT INCLUDE GRASSING, RIP-RAP AT PIPE OUTLETS FOR VELOCITY DISSIPATION AND OUTLET STABILIZATION, CHANNEL/DITCH STABILIZATION WITH PERMANENT SOIL REINFORCING MATS AND RIP-RAP WHERE NECESSARY.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

ALL ROADWAY SHOULDERS SHOULD BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.

EROSION CONTROL MEASURES MUST BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ONSITE INSPECTOR OR THE DESIGN PROFESSIONAL.

CHECKLIST # 37

REFERENCE ALL PLAN SHEETS.

CHECKLIST # 38

SEE SHEETS C-10.1-10.2

CHECKLIST # 39

NOT APPLICABLE

CHECKLIST # 40

NO ALTERNATIVE BMP WILL BE USED.

CHECKLIST # 41

THERE ARE NO BUFFERS ON SITE.

CHECKLIST # 42

THERE ARE NOT WETLANDS OR STATE WATERS PRESENT ON THIS SITE OR WITHIN 200 FT OF THE PROJECT SITE. SEE ES&PC SHEETS.

CHECKLIST # 43

DRAINAGE PATTERNS WILL REMAIN THE SAME FROM PRE AND POST CONSTRUCTION. EACH INLET DRAINAGE AREA IS SHOWN ON SHEET C-6.0

CHECKLIST # 44

SEE ORIGINAL SITE HYDROLOGY STUDY

CHECKLIST # 45

SEE ORIGINAL SITE HYDROLOGY STUDY

CHECKLIST # 46

SEE CHART ON C-8.0 WHICH HAS THE STORM DRAIN OUTLET PROTECTION LOCATIONS, DISCHARGES & VELOCITIES.

CHECKLIST # 47

SEE SOIL SERIES CHART SHEET C701. SOILS ARE ALSO REPRESENTED ON THE PLANS SHEETS (C-10.1-10.2).

CHECKLIST # 48

SEE SHEETS C-10.1-10.2

CHECKLIST # 49

STORMWATER WILL BE ROUTED TO AN EXISTING DITCH WHICH DISCHARGES TO AN UNNAMED TRIBUTARY OF CURRY CREEK. INLET PROTECTION HAS BEEN PROVIDED TO INLETS AND SILT FENCING HAS BEEN PROVIDED ON PERIMETER ALL SEDIMENT STORAGE SHALL BE ACCOUNTED FOR IN THOSE BMPs. REFERENCE C-10.1-10.2

CHECKLIST # 50

REFERENCE PLAN SHEETS C-10.1-10.2

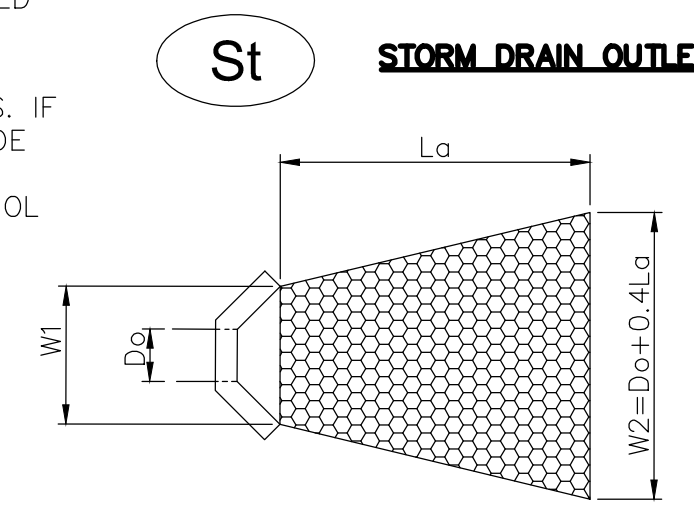
CHECKLIST # 51

REFERENCE SHEET C11.0

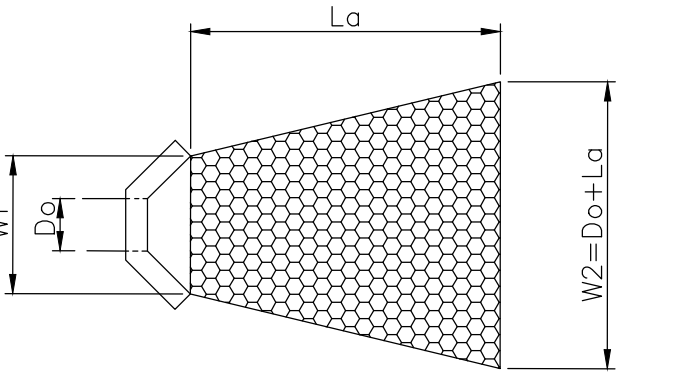
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REFERENCE DETAILS SHEETS C11.0

APPROXIMATE ACTIVITY SCHEDULE. ANTICIPATED START DATE: September 1, 2021. Table with columns for DESCRIPTION and DAYS (1-12). Rows include: SEDIMENT CONTROL-TREE PROTECTION, CLEARING & GRUBBING, GRADING, STORM & SANITARY, UTILITY INSTALLATION, BUILDING CONSTRUCTION, FINAL PAVING, MAINT. OF EROSION CONTROL DEVICES, FINAL LANDSCAPING, DISPOSITION OF SEDIMENT DEVICES.



MAXIMUM CONDITION (>0.5D0)



MINIMUM CONDITION (<0.5D0)

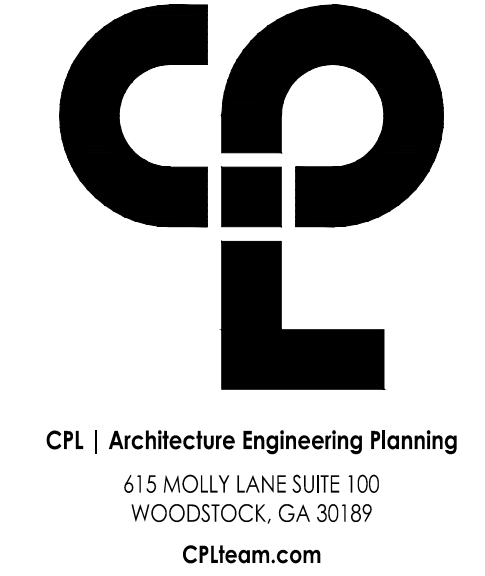
Table with columns: STRUCTURE, PIPE DIA, FLOW (CFS), Lg, W1, W2, VEL ft/s, dso\*\*, dmax\*\*, Tailwater Condition, Tw Depth, Stone Depth. Row 1: OUTFALL PIPE, 36", 47.5, 32', 9', 15.8', 8.39, 0.50', 0.75, max. (>0.5D0), 2.10', 14"

NOTES: -PLEASE SEE OUTLET PROTECTION CROSS SECTION AND DETAIL ON SHEET C-11, FOR REQUIRED INSTALLATION DETAILS. -RIP-RAP APRON SHALL EXTEND AT MINIMUM TO WIDTH OF HEADWALL WINGS.

\*MINIMUM APRON THICKNESS SHALL BE 18" W1=3D0 (MIN.) \*\*DEFINITIONS: dso - AVERAGE STONE DIAMETER dmax - MAXIMUM STONE DIAMETER D - STONE DEPTH W1 - WIDTH AT HEADWALL W2 - DOWNSTREAM WIDTH VEL - VELOCITY Tw - TAILWATER D0 - DIAMETER OF PIPE

EMERGENCY CONTACT: MR. JEFF KILLIP 147 ATHENS STREET JEFFERSON, GA 30549 PHONE: (706) 367-5121

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION. RICH J. EDINGER Level II Certified Design Professional. CERTIFICATION NUMBER 0000002983. ISSUED: 02/28/2019 EXPIRES: 02/28/2022



PROJECT INFORMATION Project Number 16043.00 Client Name TOWN OF JEFFERSON Project Name JEFFERSON DRAINAGE ANALYSIS

Project Address 94 COLLEGE STREET JEFFERSON, GA 30549

REVISION SCHEDULE No Date Description



SHEET INFORMATION Issued 8/26/2021 Scale N/A Project Status Drawing Title EROSION CONTROL NOTES

Sheet Number C-8.0 11



- PROJECT DESCRIPTION — PROPOSED UPDATES TO EXISTING STORM PIPE LAYOUT
- DISTURBED AREA = 0.11 ACRES
  - SOIL SERIES — THE SITE IS COMPRISED OF PACOLET SOILS, WITH A GROUP B HYDROLOGIC RATING
  - REFER TO SHEET C-8.0 FOR CONSTRUCTION SCHEDULE
  - REFER TO COVER SHEET FOR VICINITY MAP
  - REFER TO GRADING PLAN FOR:
    - APPROXIMATE DRAINAGE PATTERNS
    - APPROXIMATE SLOPES AFTER MAJOR GRADING ACTIVITIES
    - AREAS OF SOIL DISTURBANCE
    - AREAS NOT DISTURBED
    - LOCATIONS OF STRUCTURAL AND NON-STRUCTURAL CONTROLS
    - AREAS WHERE STABILIZATION PRACTICES ARE TO BE IMPLEMENTED
  - SURFACE WATERS — THIS CONSTRUCTION SITE DISCHARGES INTO UNNAMED TRIBUTARY OF CURRY CREEK
  - ACCORDING TO FIRM PANEL 1315702255C EFFECTIVE DATE DECEMBER 17, 2010, THIS SITE DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD AREA
  - THE NEPHELOMETRIC TURBIDITY UNIT (NTU) LIMIT INFORMATION FOR THIS PROJECT IS BASED ON RECEIVING WATERS METHODOLOGY. THE ALLOWABLE INCREASE BETWEEN UPSTREAM AND DOWNSTREAM SAMPLING POINTS IS 25 NTU FOR WARM WATERS.
  - THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
  - EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION.
  - SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE % FULL VOLUME.
  - MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
  - THE SOIL EROSION AND SEDIMENT CONTROL ORDINANCE REQUIRES THAT A 25 FOOT BUFFER ADJACENT TO ALL STATE WATERS BE MAINTAINED (ARTICLE 4 SECTION 4.3 PARAGRAPH 15). AN EXCEPTION IS GRANTED TO HOMEOWNERS WHO PERFORM MINOR LAND DISTURBING ACTIVITIES SUCH AS HOME LANDSCAPING, HOME GARDENS, REPAIRS AND MAINTENANCE WORK (ARTICLE 3, SECTION 3.1, PARAGRAPH 3).
  - A 50-FOOT UNDISTURBED BUFFER IS TO BE MAINTAINED ADJACENT TO ALL STREAMS.
  - TEMPORARY SEDIMENT TRAP FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
  - DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH IF LAND-DISTURBING ACTIVITIES CEASE FOR MORE THAN 14 CALENDAR DAYS.
  - ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
  - ALL SILT FENCE SHALL BE AT MINIMUM 30" IN HEIGHT.
  - CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
  - THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.
  - EXISTING LAND USE IS UNDEVELOPED SITE.
  - THERE ARE NO KNOWN WETLANDS ON THE SITE.
  - INITIAL PERIMETER SEDIMENT CONTROL SHALL BE VIA TYPE S (SENSITIVE) SILT FENCING.
  - SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
  - OFF-SITE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THIS PLAN INCLUDES THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY.
  - IT IS THE RESPONSIBILITY OF THE OWNER TO ENSURE COMPLIANCE WITH APPLICABLE STATE AND LOCAL WASTE WATER DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
  - OWNER/OPERATOR HAS A SPILL PREVENTION/COLLECTION PROGRAM ASSOCIATED WITH THE MAINTENANCE PORTION OF THE BUSINESS OPERATIONS.

**SOILS CHART:**

Label	Description
PuD2	Pacolet soils, 10 to 15 percent slopes

**EMERGENCY CONTACT:**

MR. JEFF KILLIP  
147 ATHENS STREET  
JEFFERSON, GA 30549  
PHONE: (706) 367-5121

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

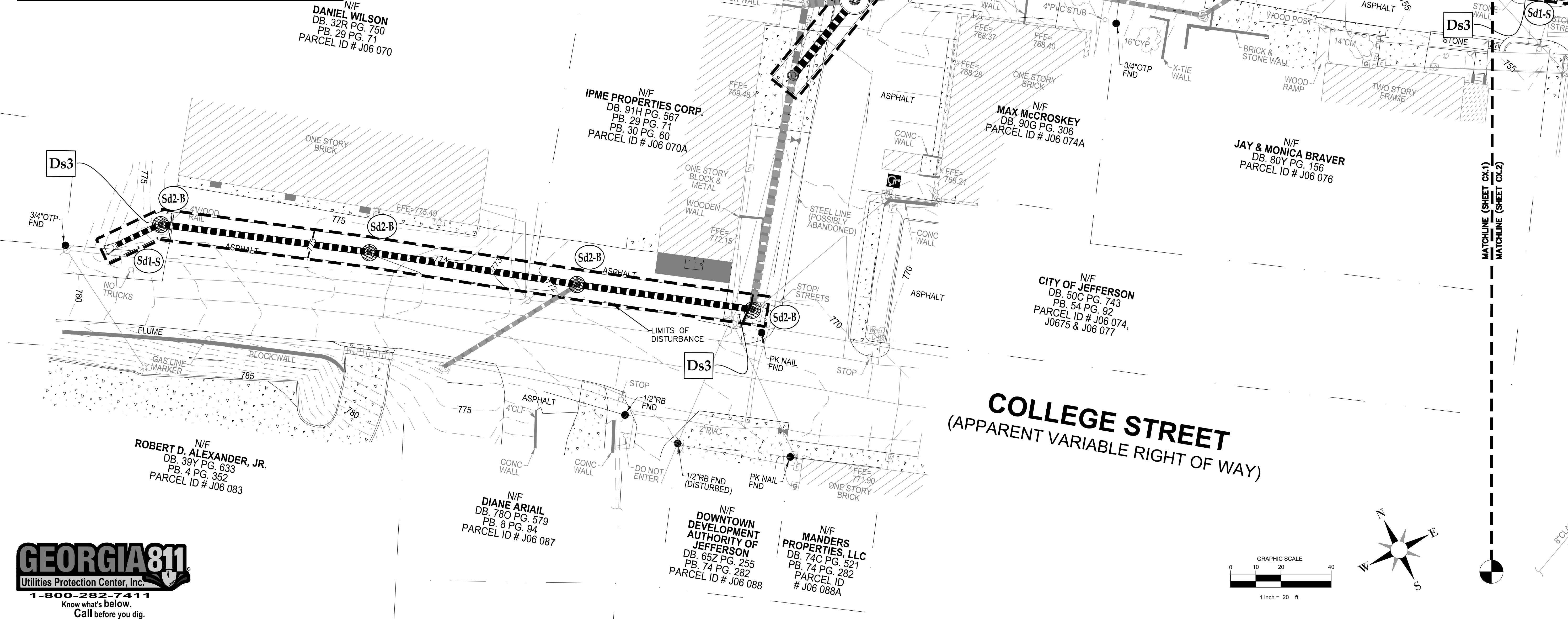
RICH J. EDINGER  
Level II Certified Design Professional

CERTIFICATION NUMBER 0000002983  
ISSUED: 02/28/2019 EXPIRES: 02/28/2022

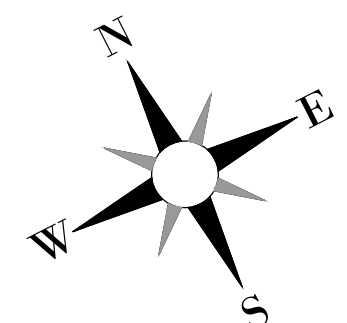
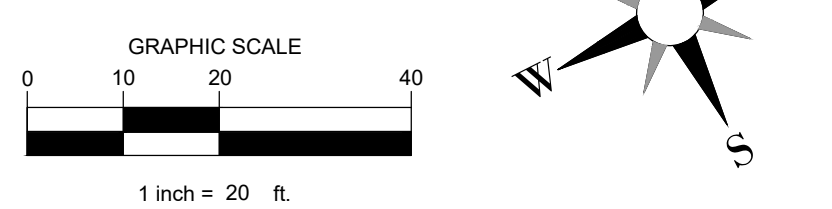
STRUCTURAL PRACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, or a silt fence.
Sd2	INLET SEDIMENT TRAP			A temporary protective device formed at or around an inlet to a storm drain to trap sediment.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.

VEGETATIVE PRACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.



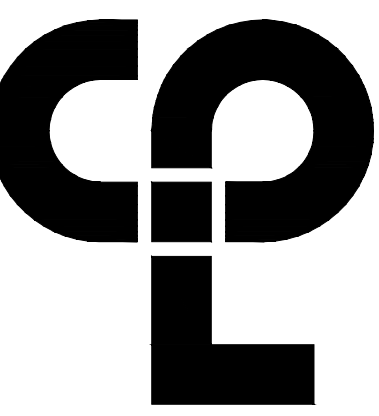
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 Date last plotted: 8/25/2021 11:57 AM  
 Plotted By: Ian Evans



MATCHLINE (SHEET Cx.1)

MATCHLINE (SHEET Cx.2)

8' CLAY



CPL | Architecture Engineering Planning  
 615 MOLLY LANE SUITE 100  
 WOODSTOCK, GA 30189  
 CPLearn.com

**PROJECT INFORMATION**

Project Number  
16043.00  
 Client Name  
TOWN OF JEFFERSON  
 Project Name  
JEFFERSON DRAINAGE ANALYSIS

Project Address  
94 COLLEGE STREET  
JEFFERSON, GA 30549

**REVISION SCHEDULE**

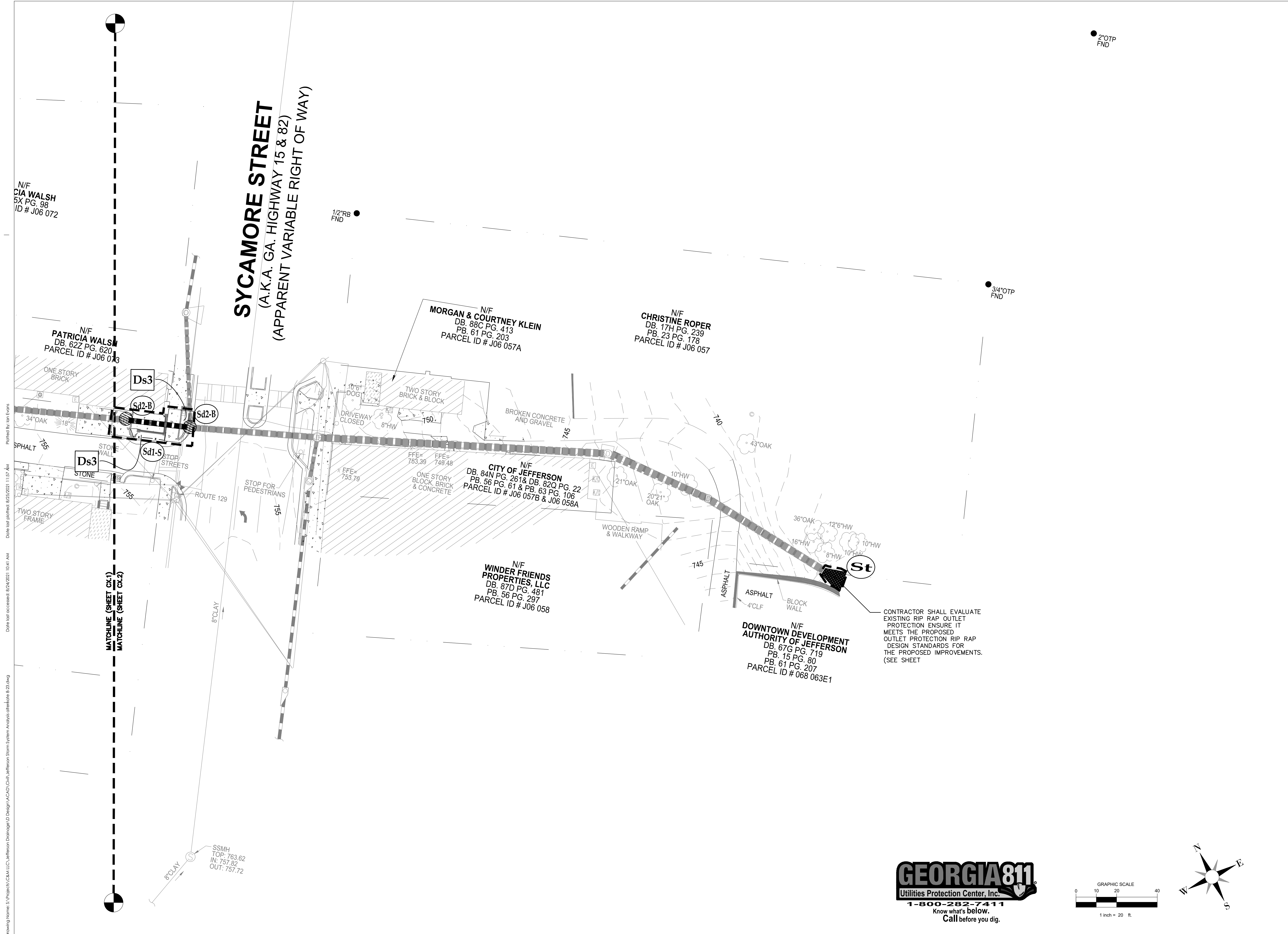
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**SHEET INFORMATION**

Issued  
8/26/2021  
 Scale  
1"=20'  
 Project Status  
 Drawn By  
ND  
 Checked By  
RJE  
 Drawing Title  
EROSION CONTROL  
 PLAN

Sheet Number  
C-10.2  
14



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ID # J06 072

N/F  
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DB. 62Z PG. 620  
PARCEL ID # J06 073

1/2\"/>

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PB. 61 PG. 203  
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CHRISTINE ROPER  
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PB. 23 PG. 178  
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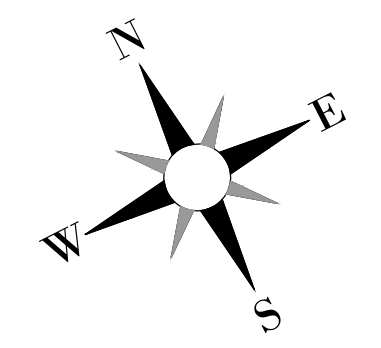
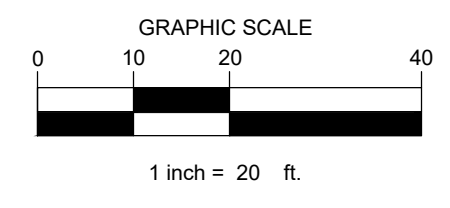
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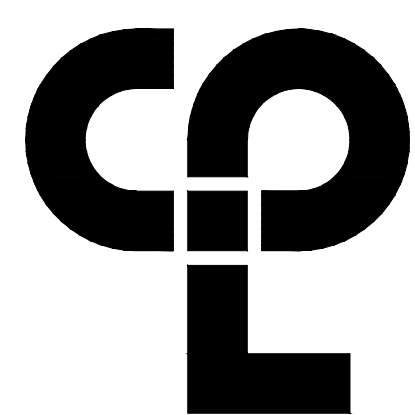
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WINDER FRIENDS  
PROPERTIES, LLC  
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PB. 56 PG. 297  
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N/F  
DOWNTOWN DEVELOPMENT  
AUTHORITY OF JEFFERSON  
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PB. 15 PG. 80  
PB. 61 PG. 207  
PARCEL ID # 068 063E1

CONTRACTOR SHALL EVALUATE  
EXISTING RIP RAP OUTLET  
PROTECTION ENSURE IT  
MEETS THE PROPOSED  
OUTLET PROTECTION RIP RAP  
DESIGN STANDARDS FOR  
THE PROPOSED IMPROVEMENTS.  
(SEE SHEET

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 Date last plotted: 8/25/2021 11:57 AM  
 Plotted By: Ian Evans  
 8\"/>





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CPTeam.com

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Project Number  
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94 COLLEGE STREET  
JEFFERSON, GA 30549

REVISION SCHEDULE  
No. Date Description



8/25/2021

SHEET INFORMATION  
Scale  
8/26/2021 N/A  
Project Status  
Drawn By  
Checked By  
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Drawing Title  
EROSION CONTROL  
DETAILS

Sheet Number  
C-11.0

15

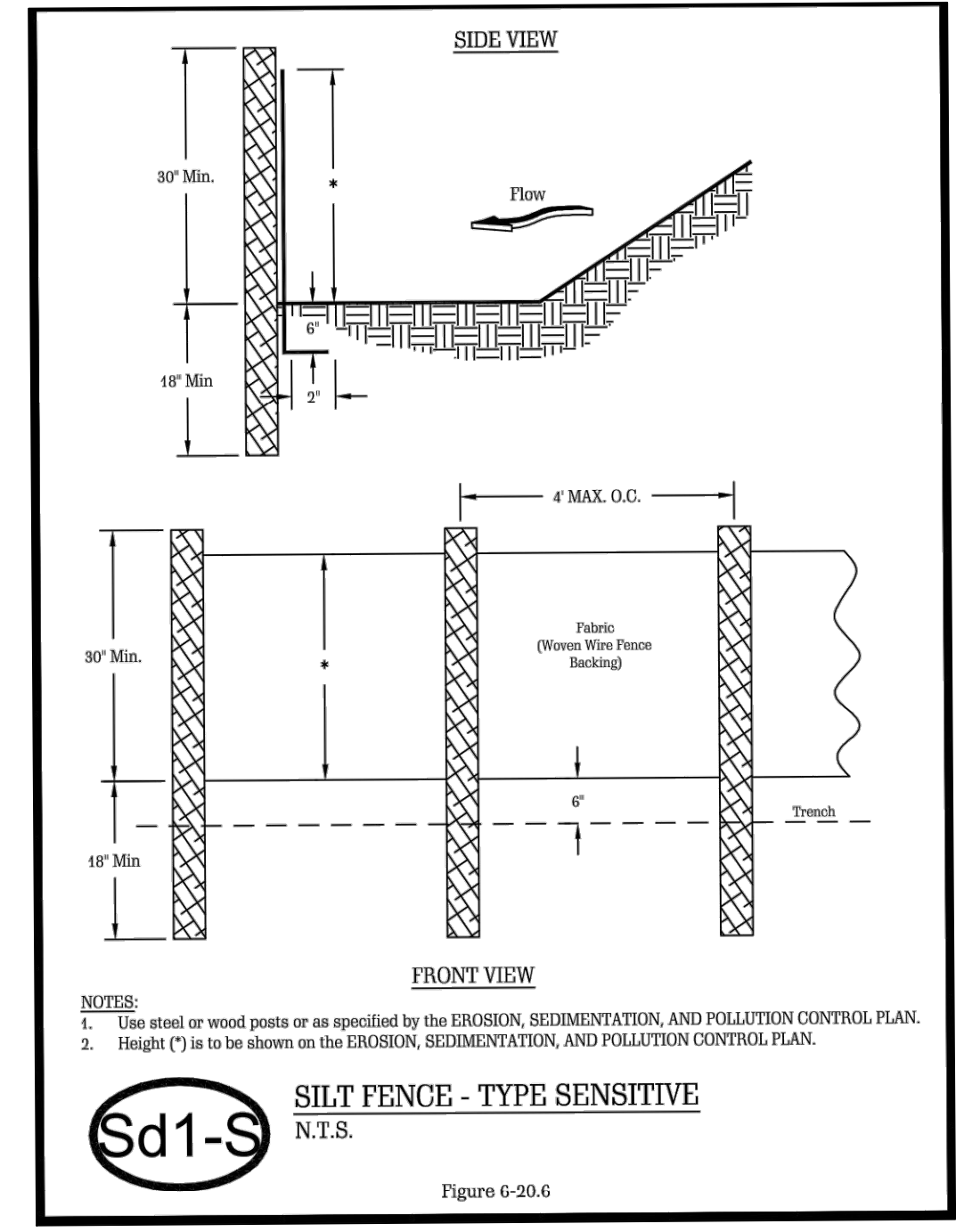


Figure 6-29.1 Silt Fence - Type Sensitive

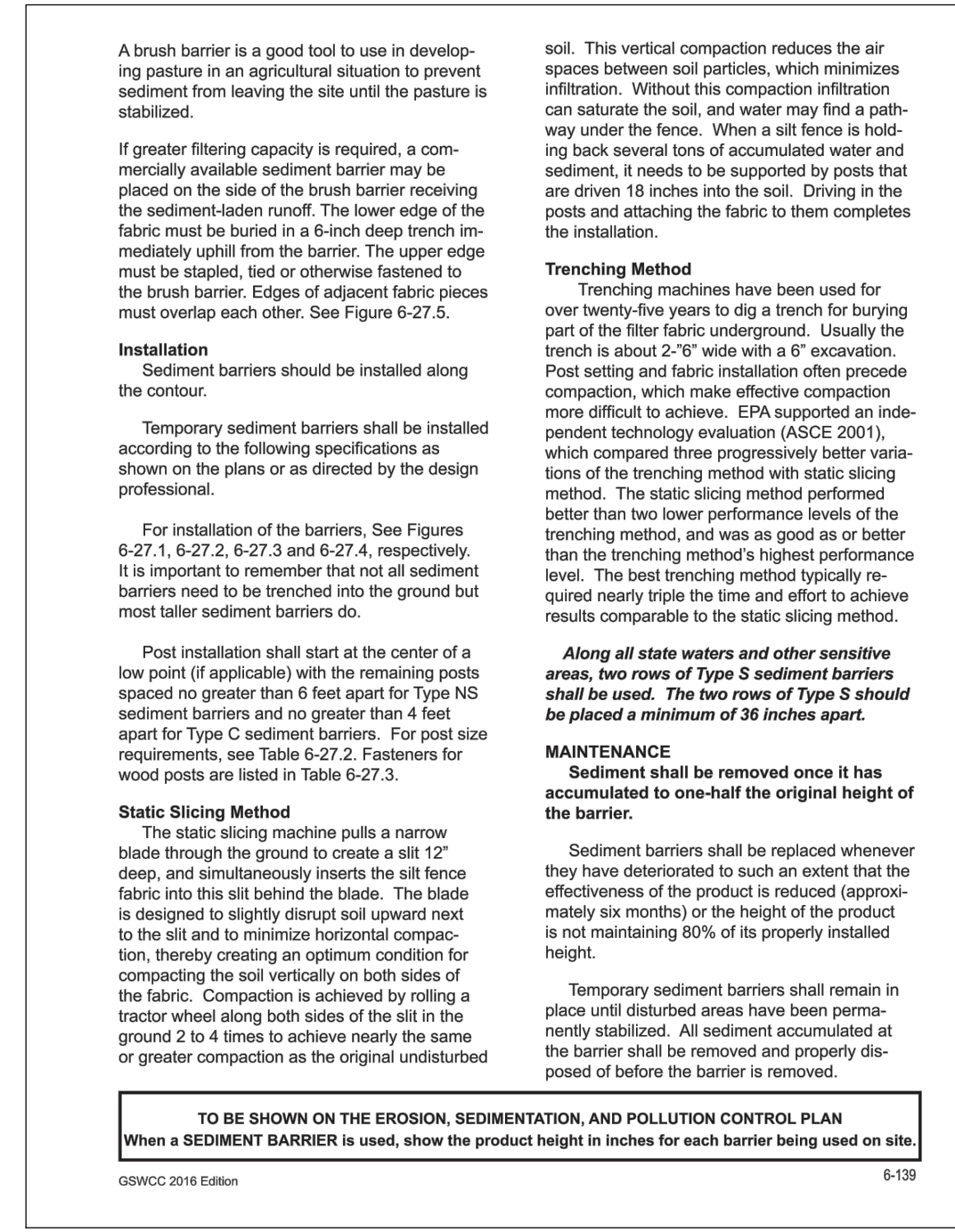


Figure 6-29.2 Silt Fence - Type Sensitive

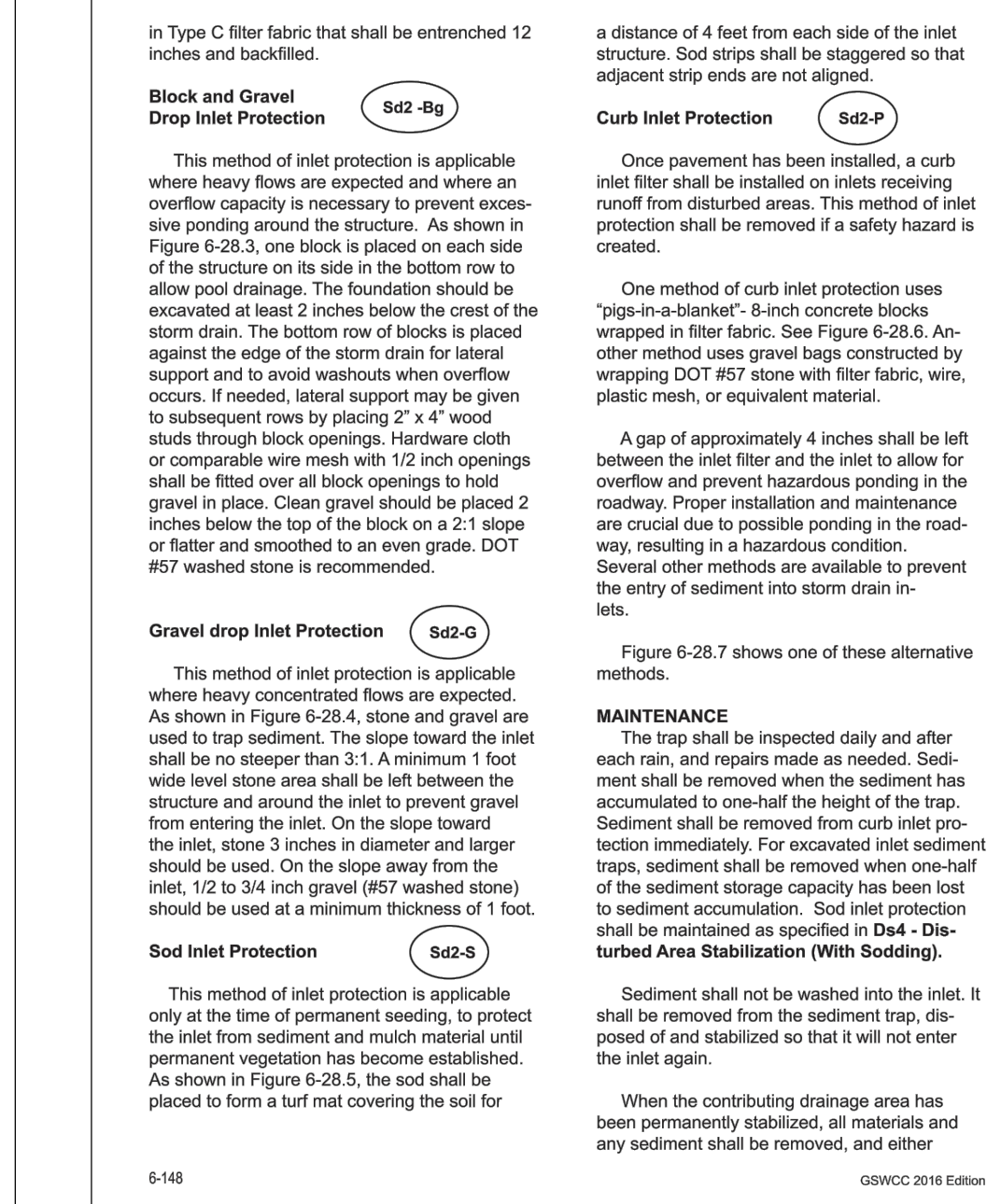


Figure 6-28.7 Curb Inlet Filter "Pigs in Blanket"

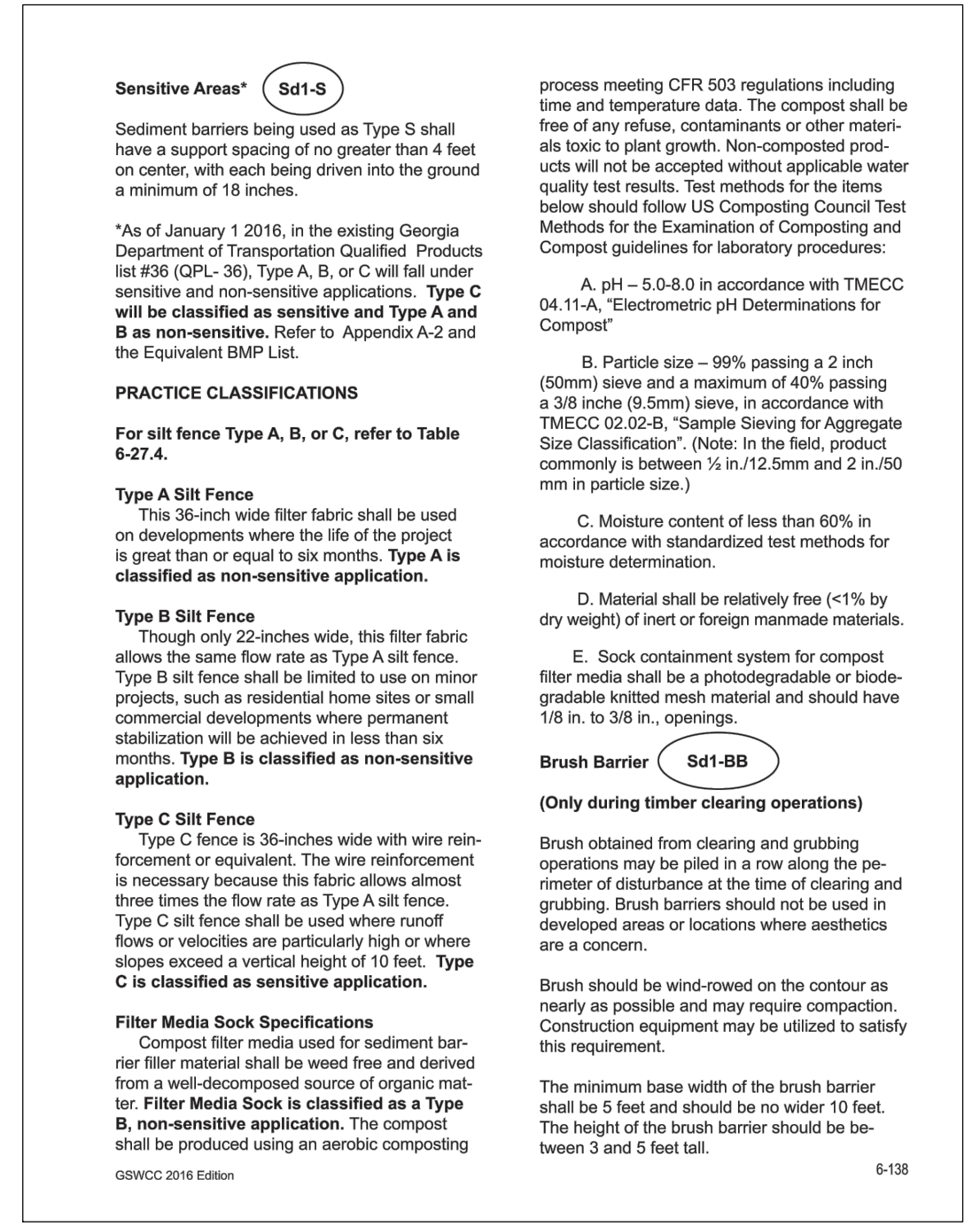


Figure 6-28.1 Fabric and Supporting Frame for Inlet Protection

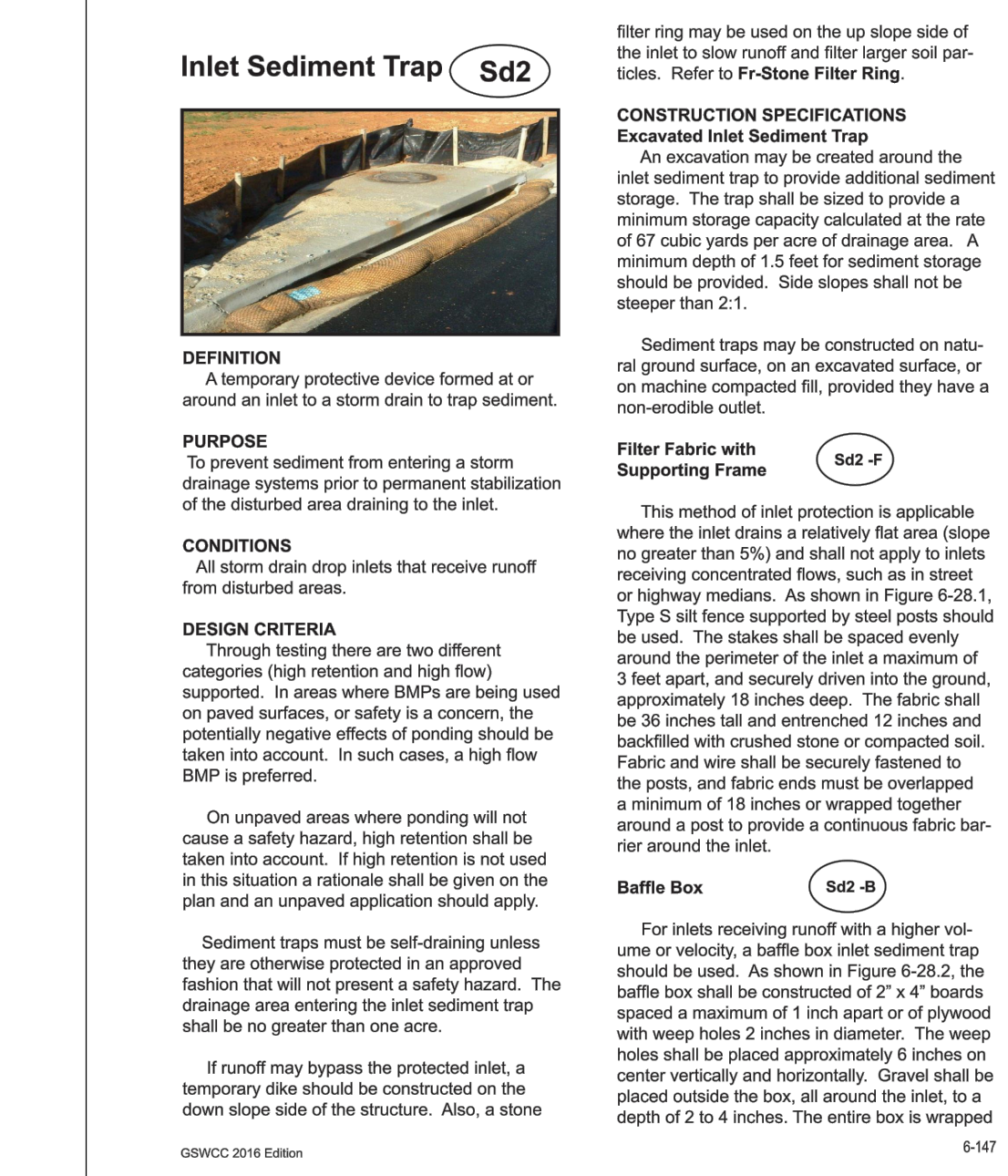


Figure 6-28.2 Riprap Outlet Protection (Modified From VA SWCC)

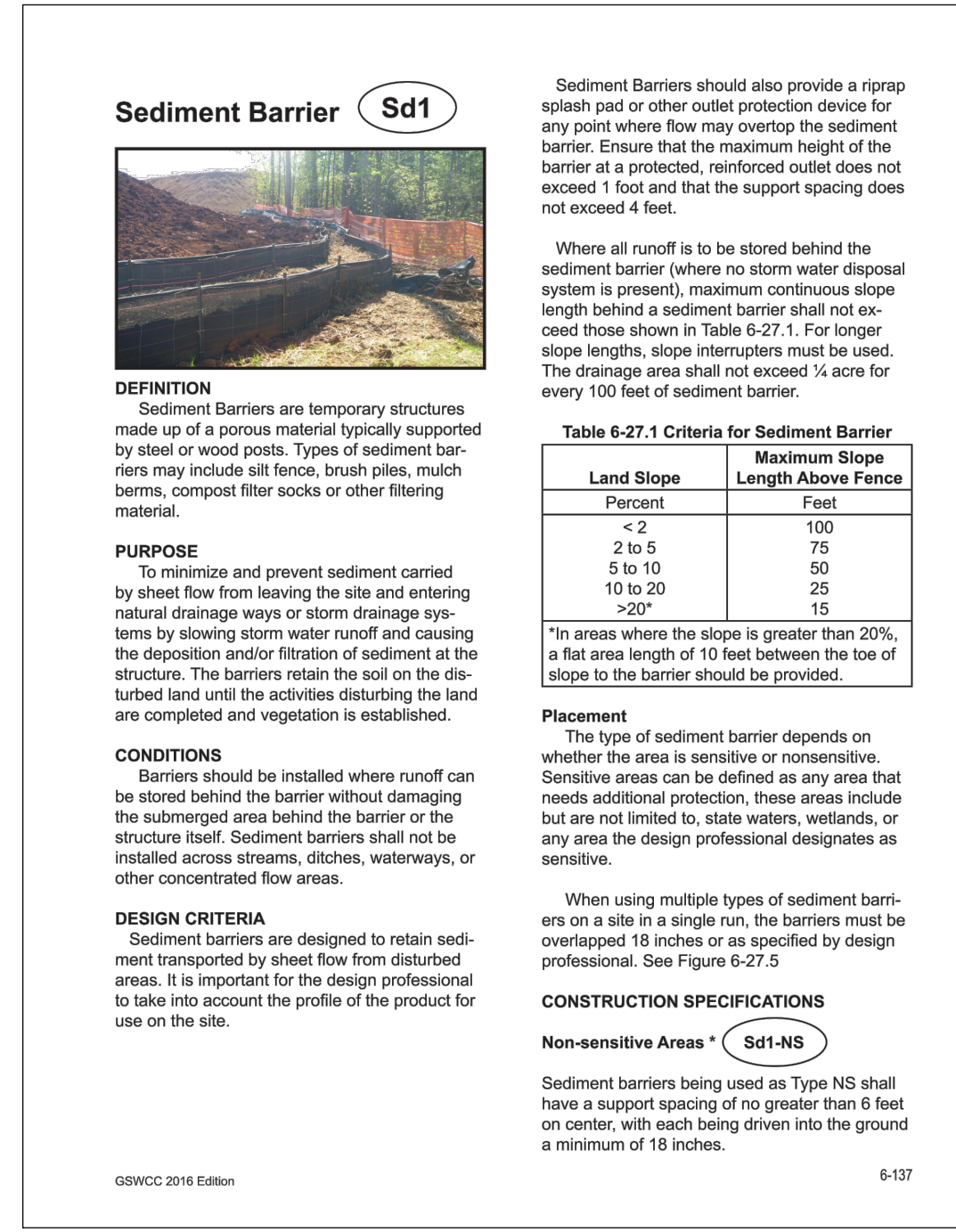


Figure 6-27.1 Sediment Barrier

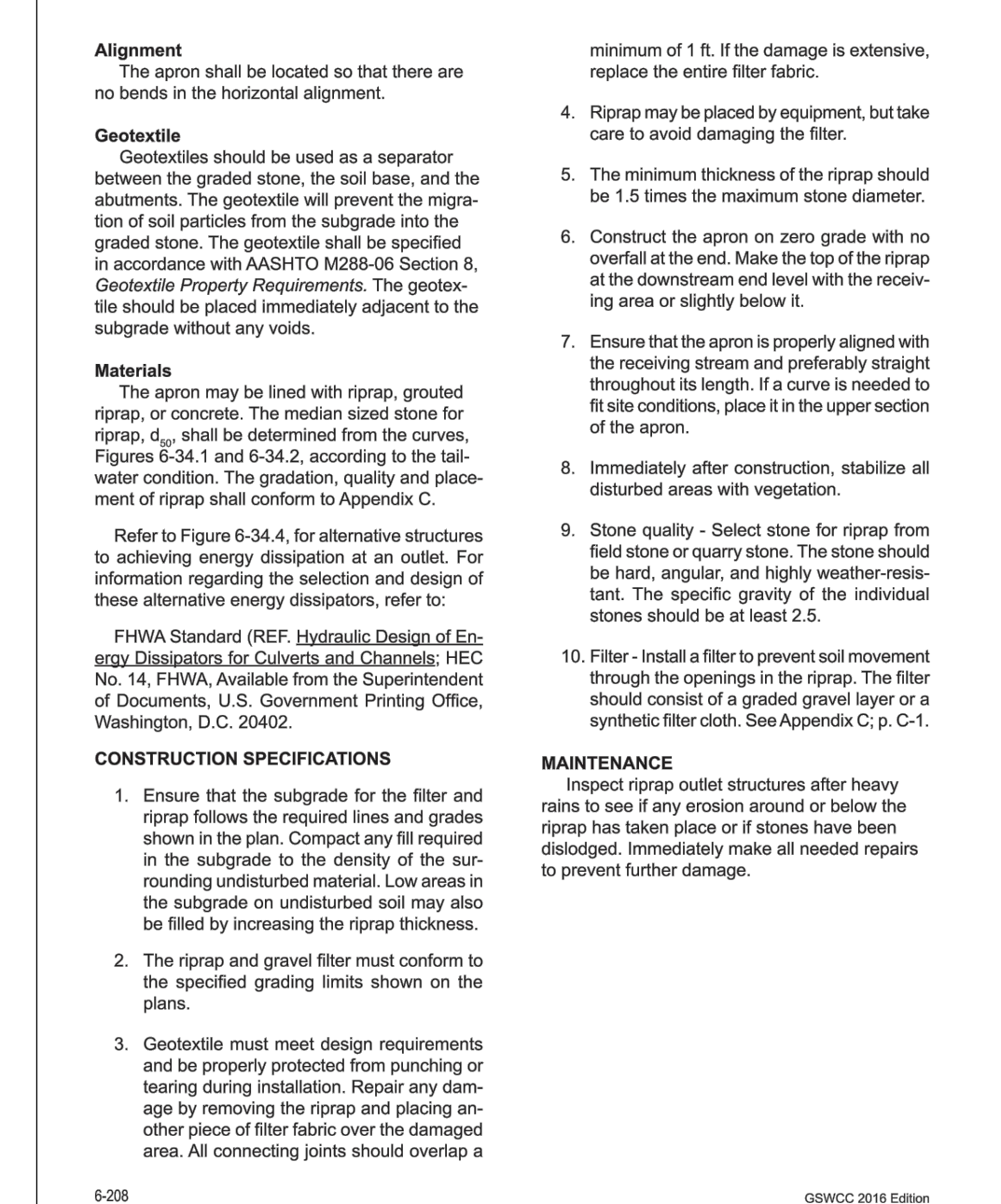


Figure 6-28.3 Riprap Outlet Protection (Modified From VA SWCC)

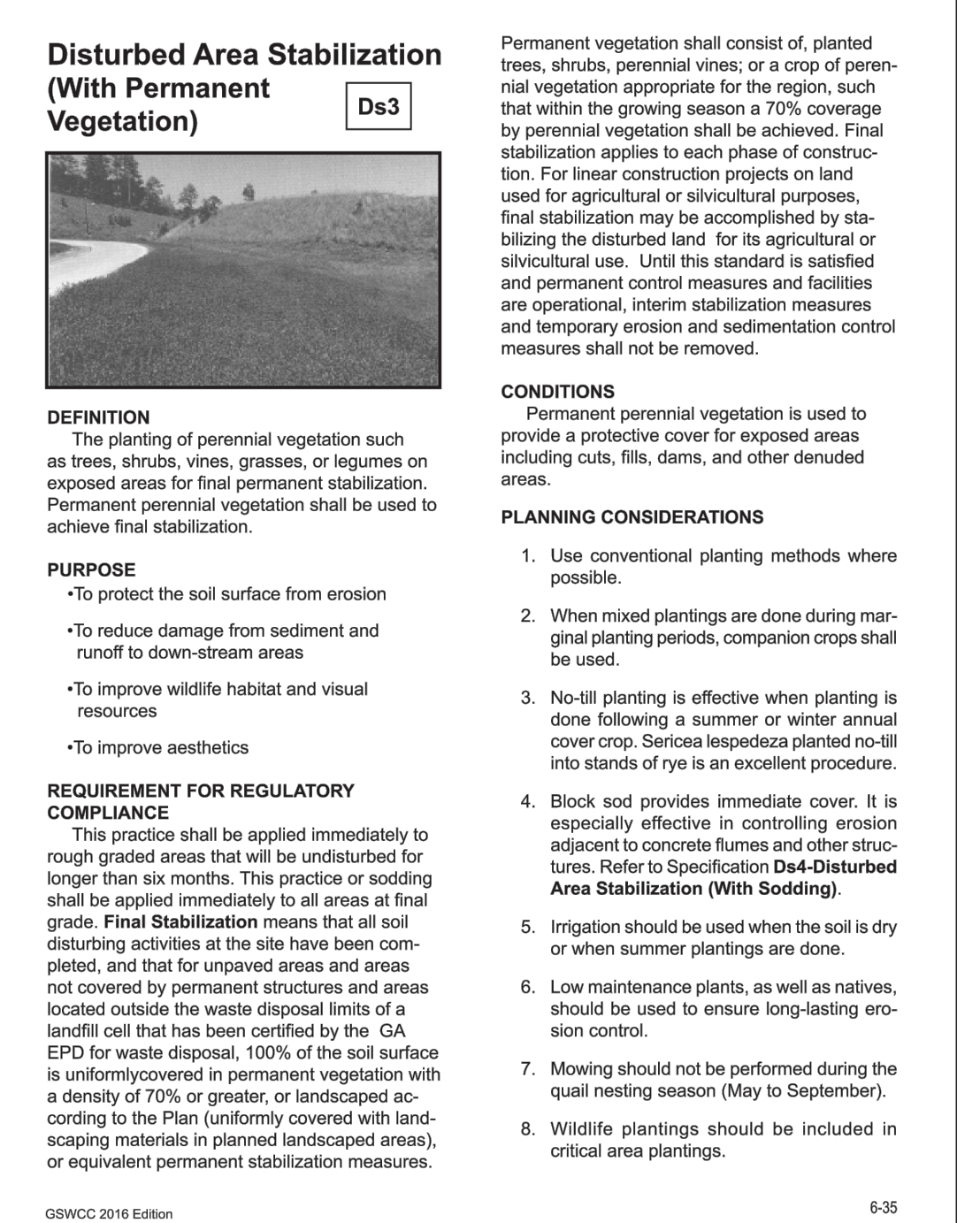


Figure 6-27.2 Disturbed Area Stabilization (With Permanent Vegetation)

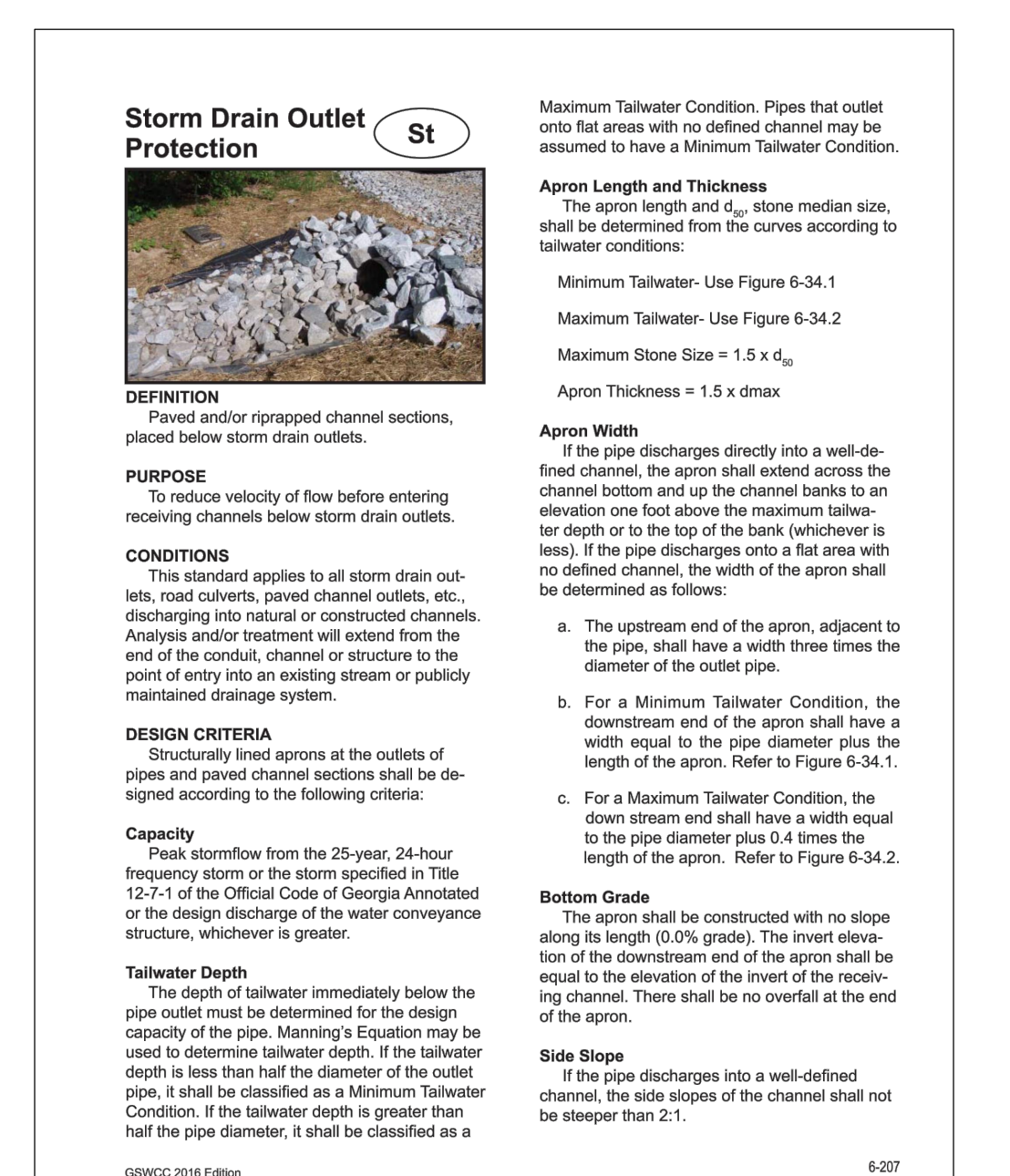


Figure 6-28.4 Storm Drain Outlet Protection

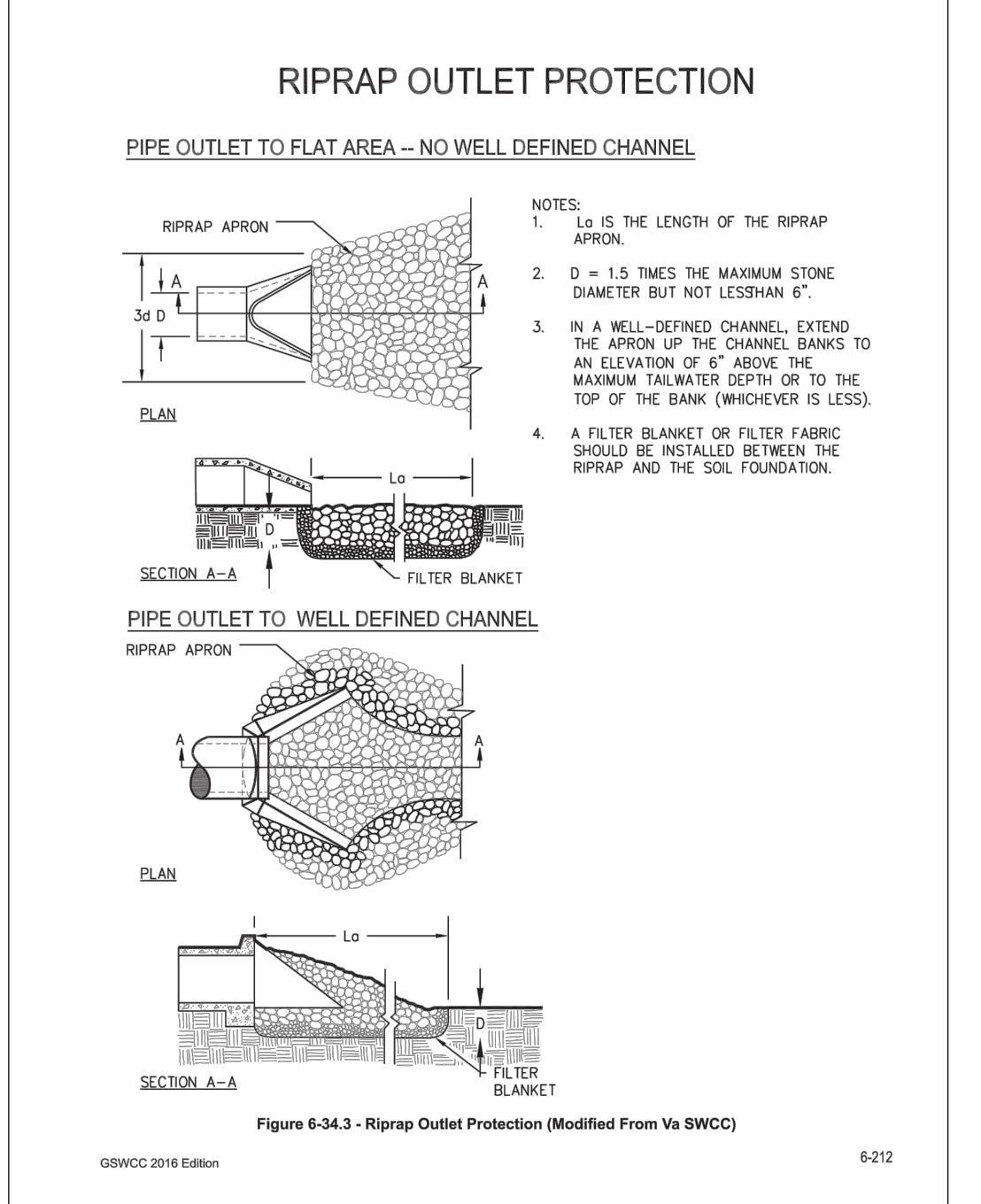


Figure 6-28.5 Riprap Outlet Protection (Modified From VA SWCC)

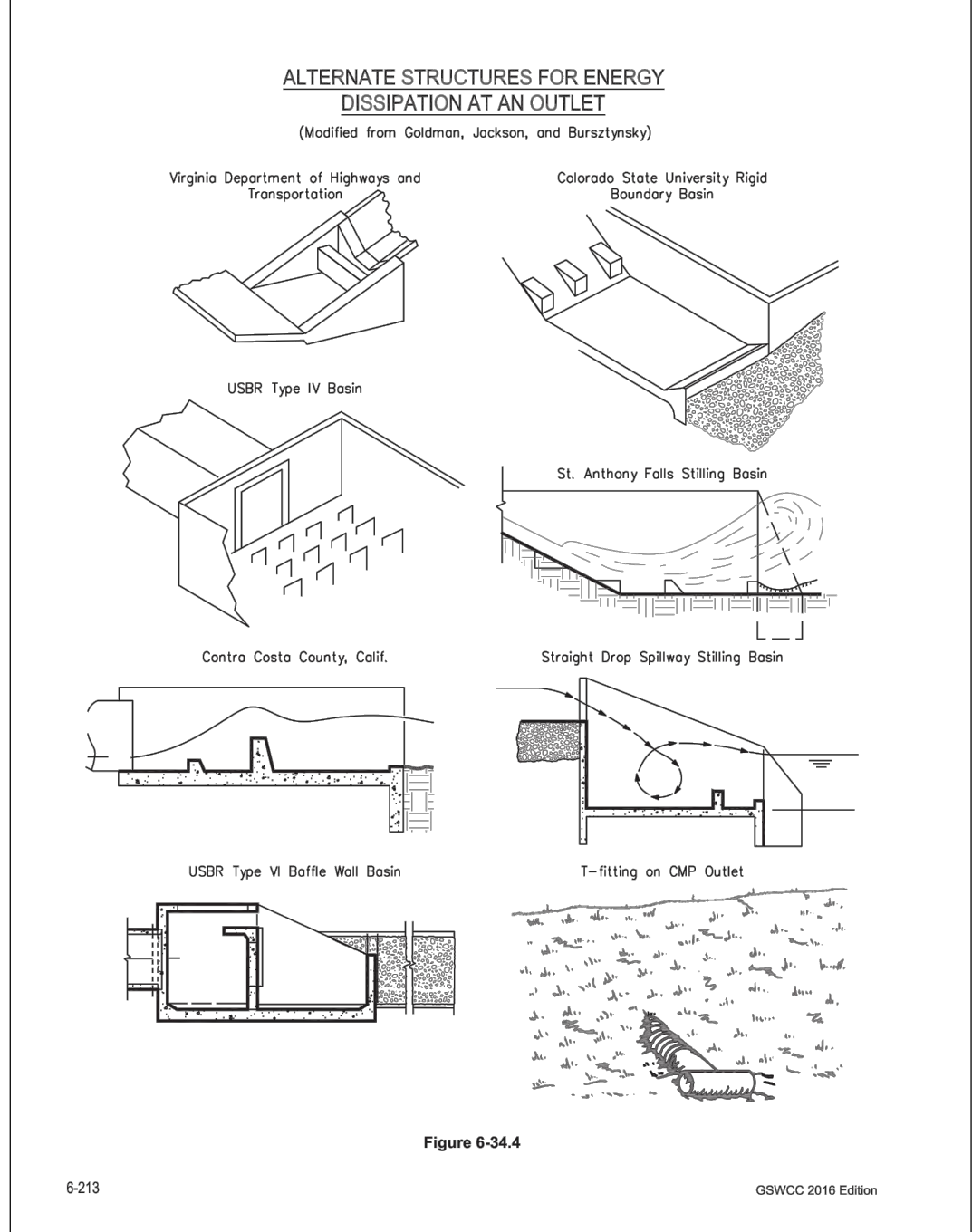


Figure 6-28.6 Curb Inlet Filter "Pigs in Blanket"

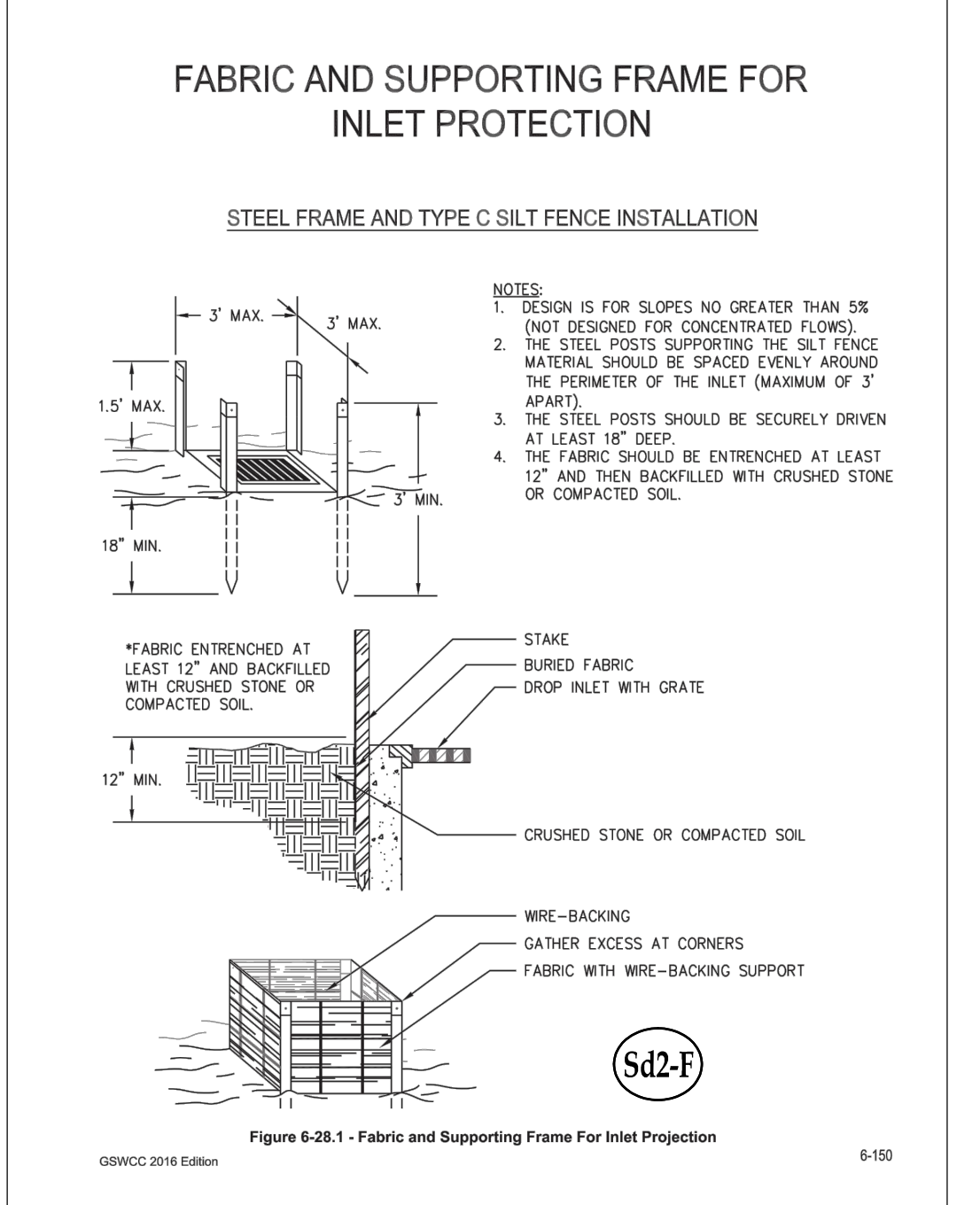


Figure 6-28.7 Curb Inlet Filter "Pigs in Blanket"

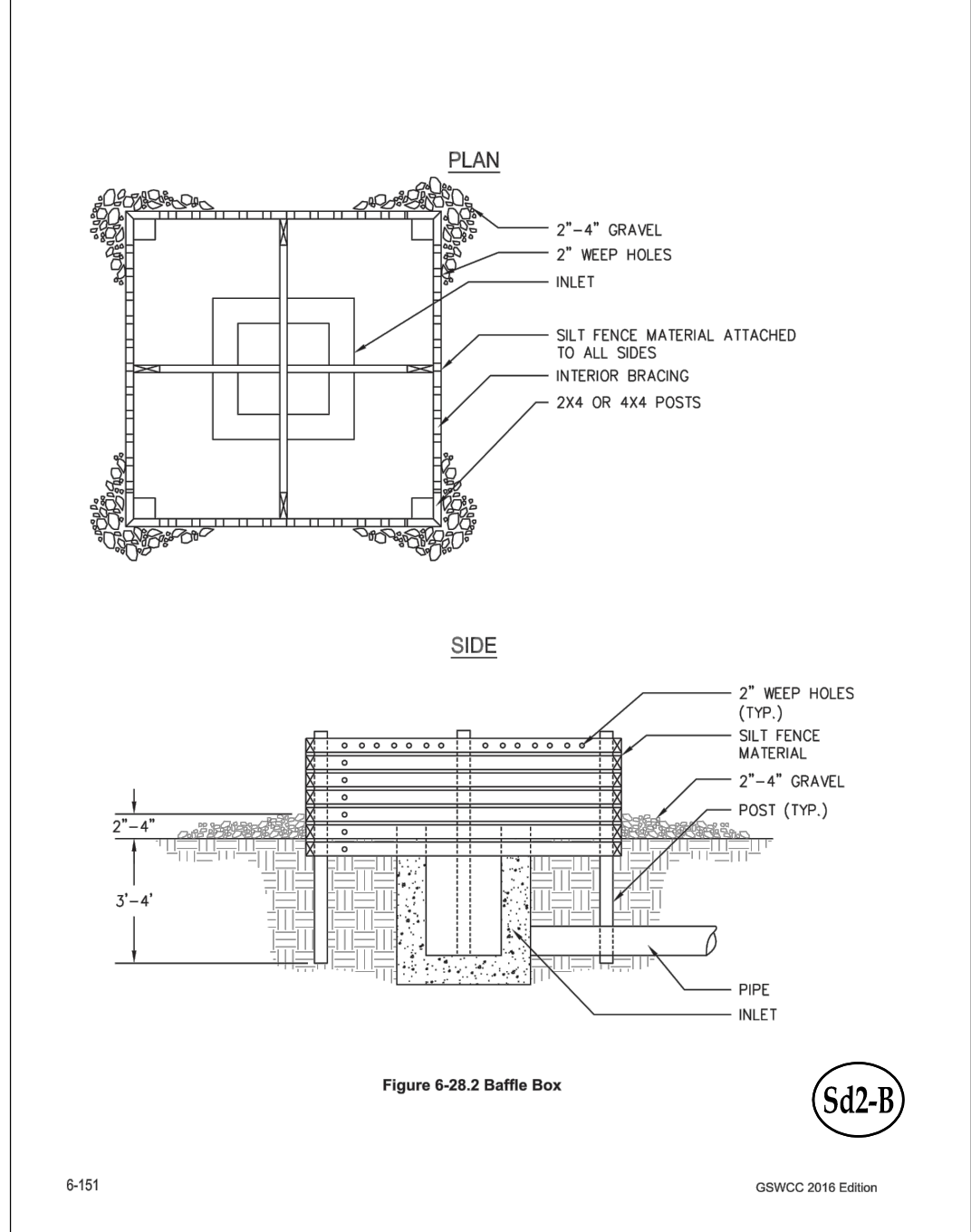


Figure 6-28.8 Fabric and Supporting Frame for Inlet Protection

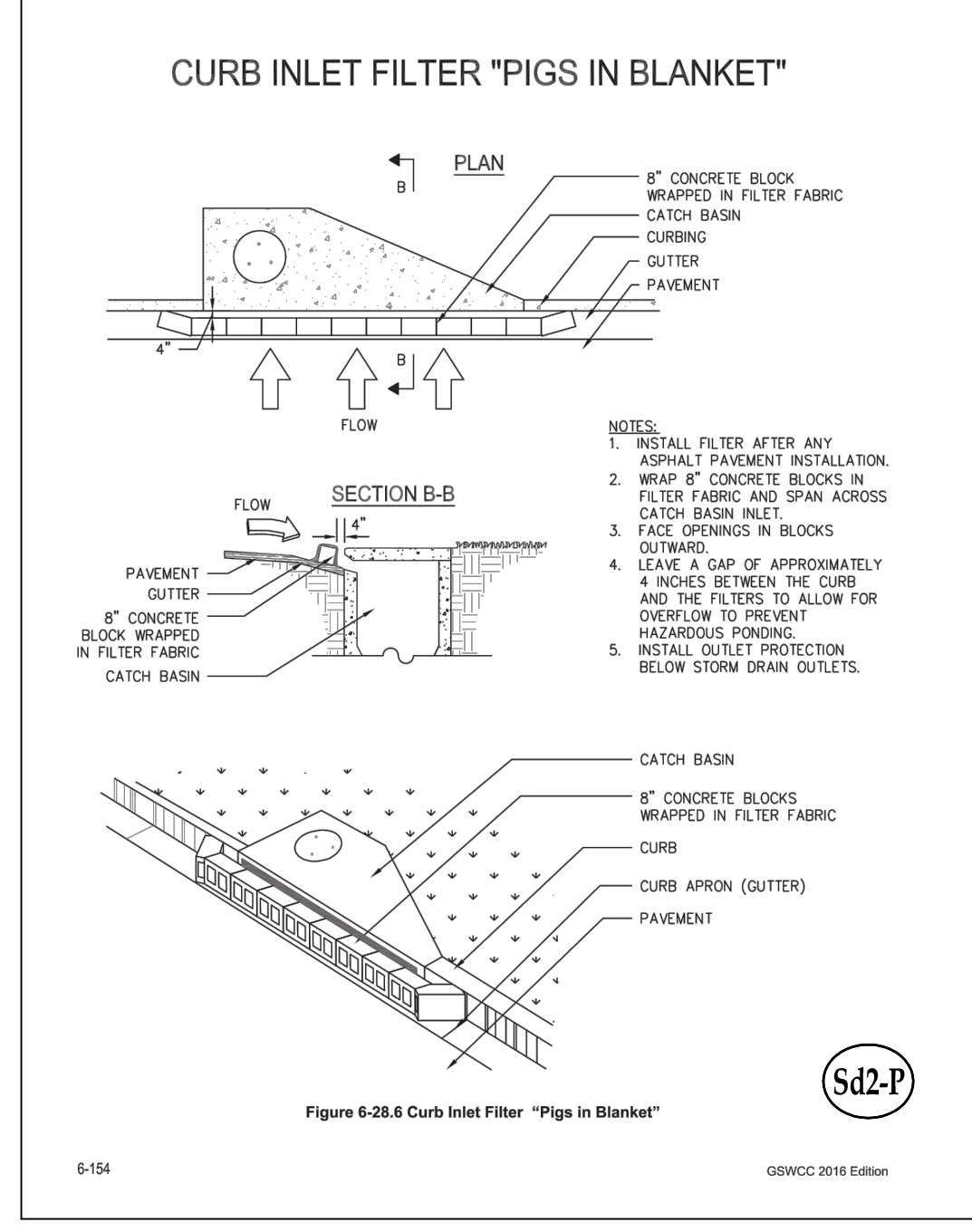


Figure 6-28.9 Riprap Outlet Protection (Modified From VA SWCC)

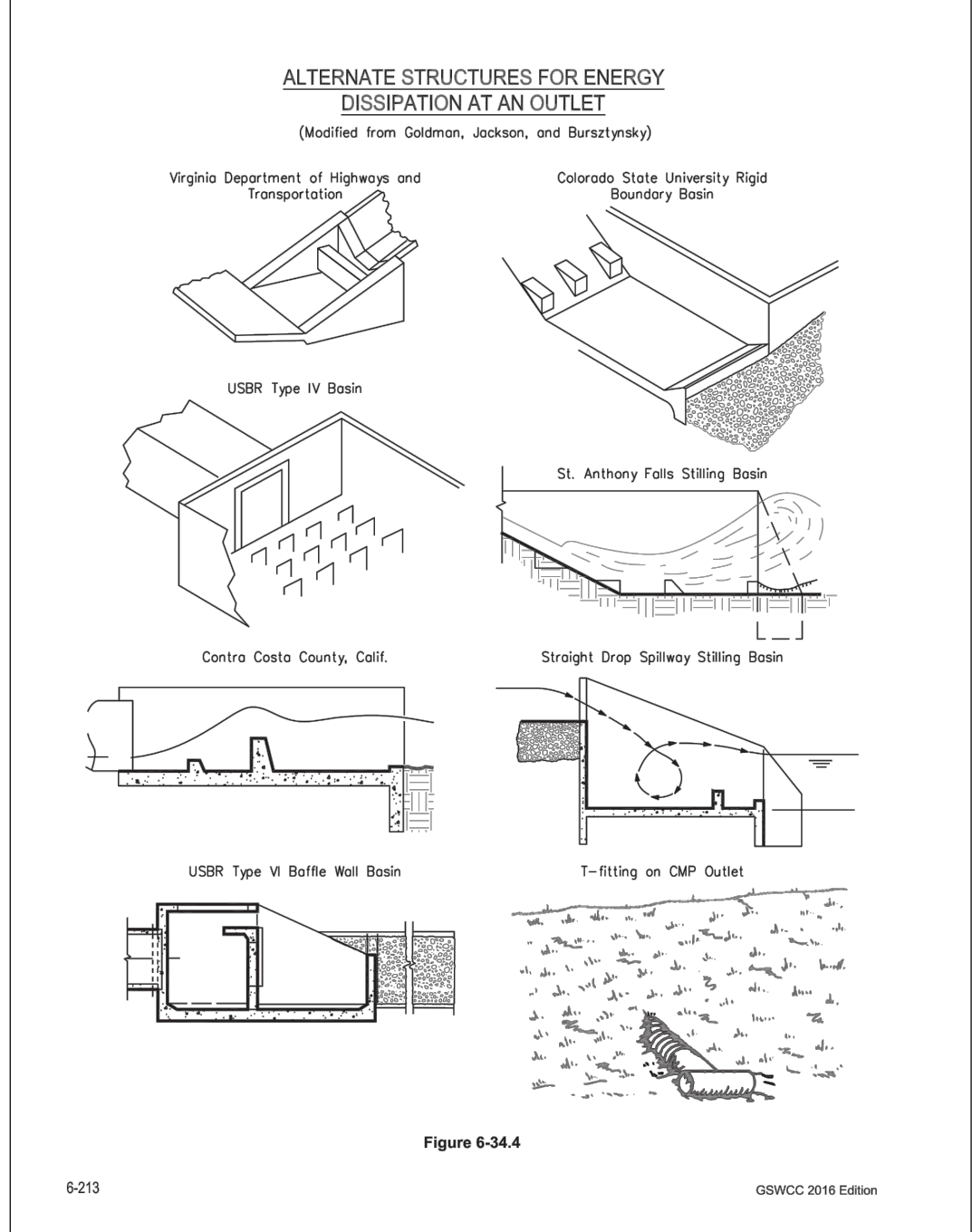


Figure 6-28.10 Riprap Outlet Protection (Modified From VA SWCC)

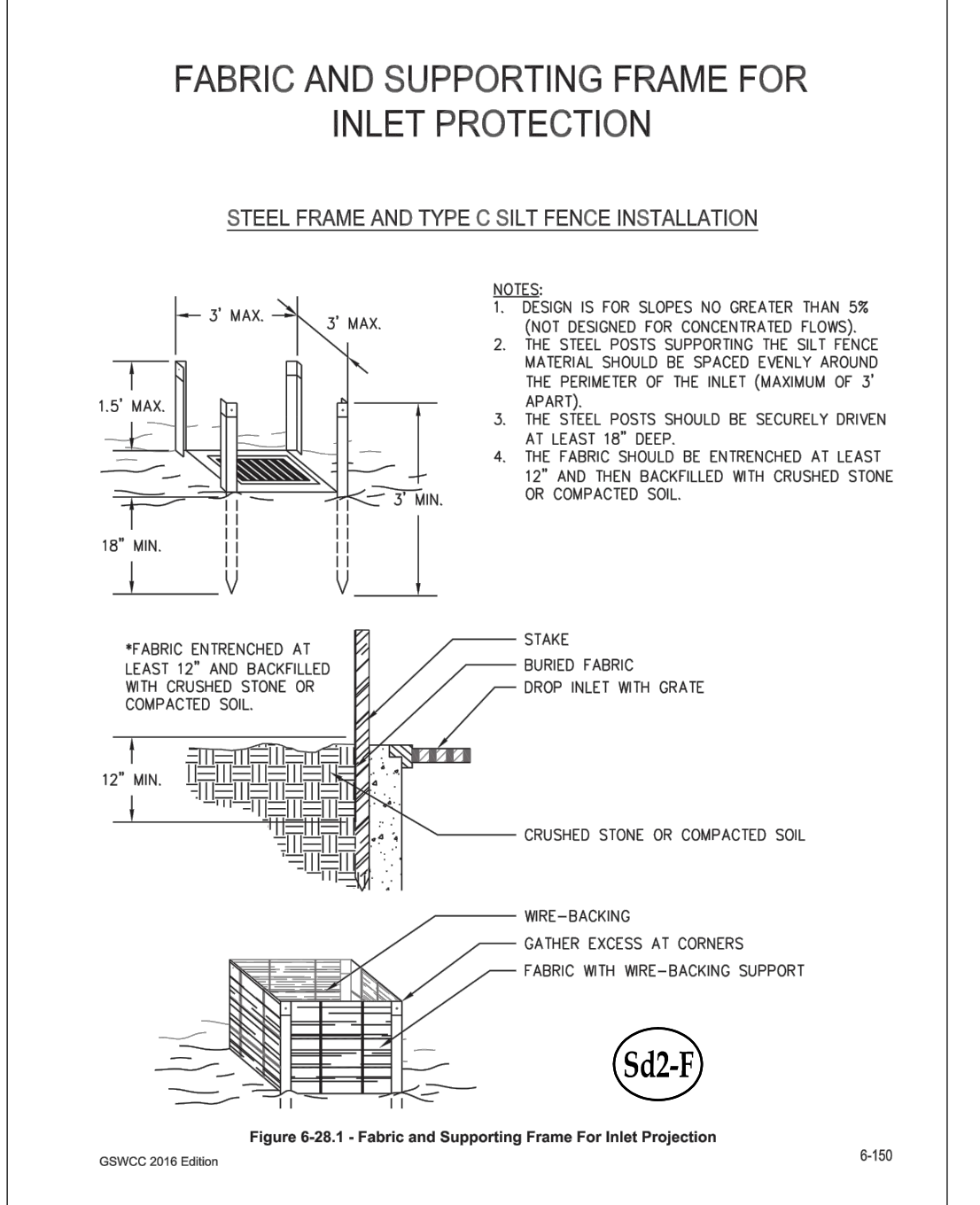


Figure 6-28.11 Riprap Outlet Protection (Modified From VA SWCC)

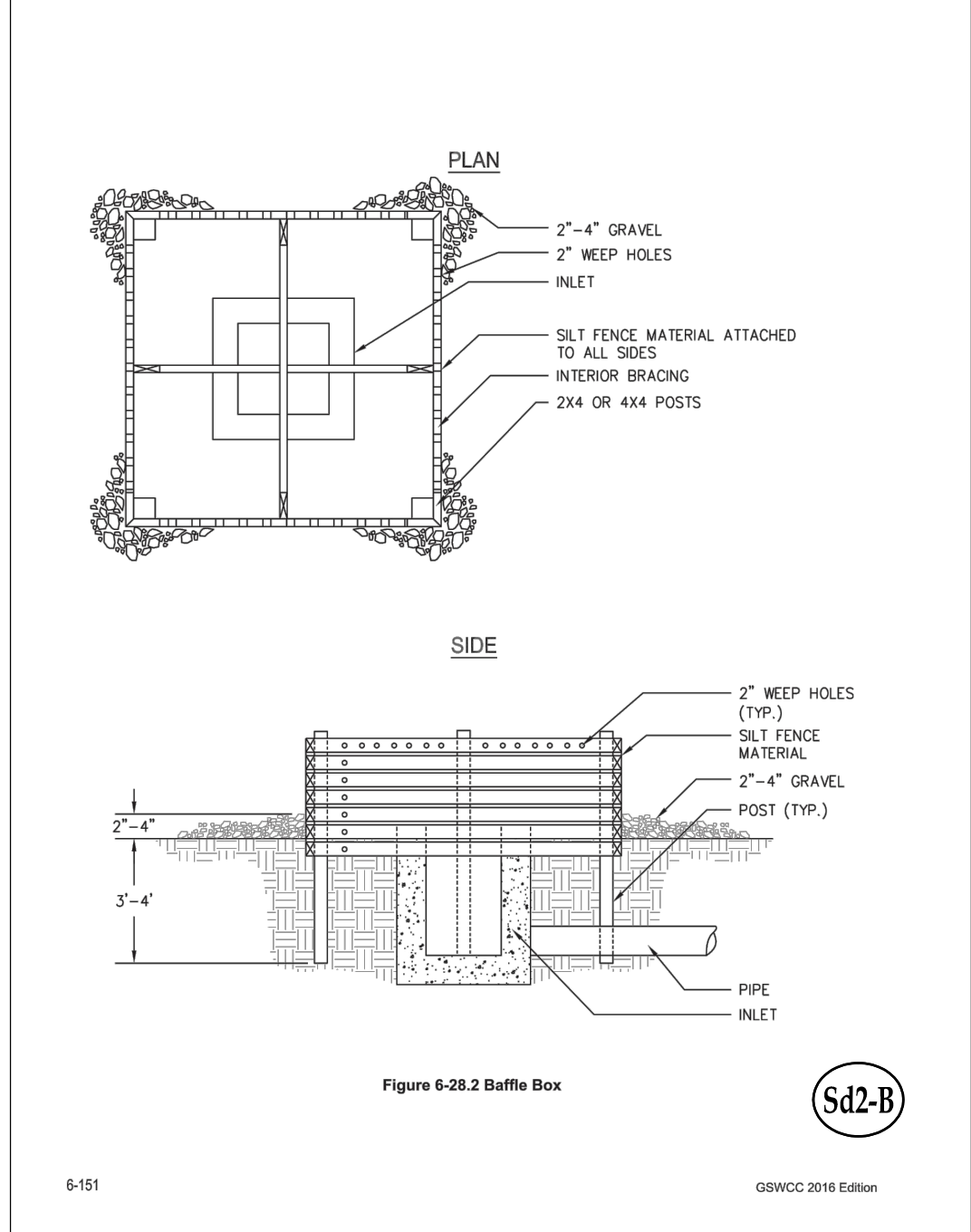


Figure 6-28.12 Riprap Outlet Protection (Modified From VA SWCC)

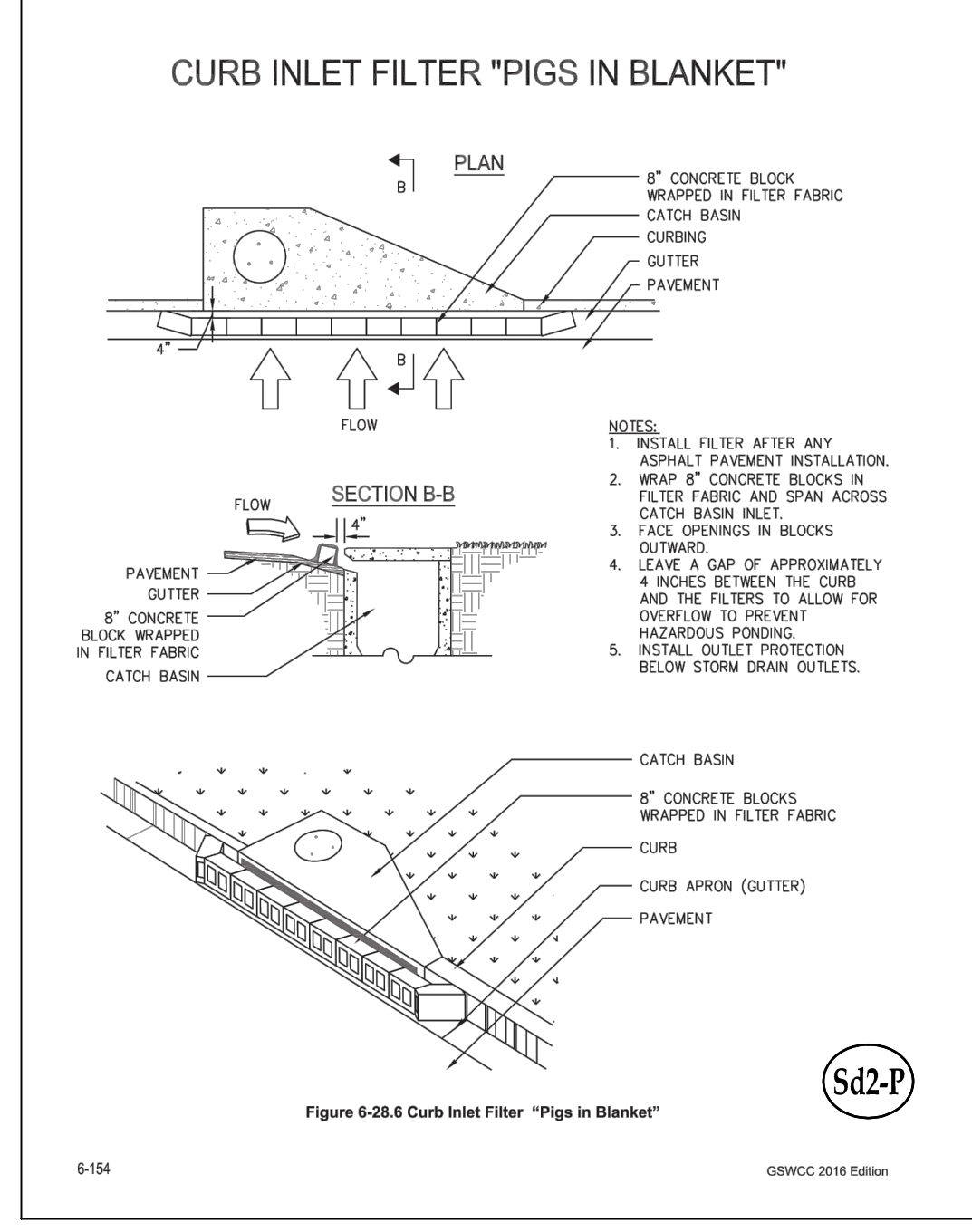


Figure 6-28.13 Riprap Outlet Protection (Modified From VA SWCC)

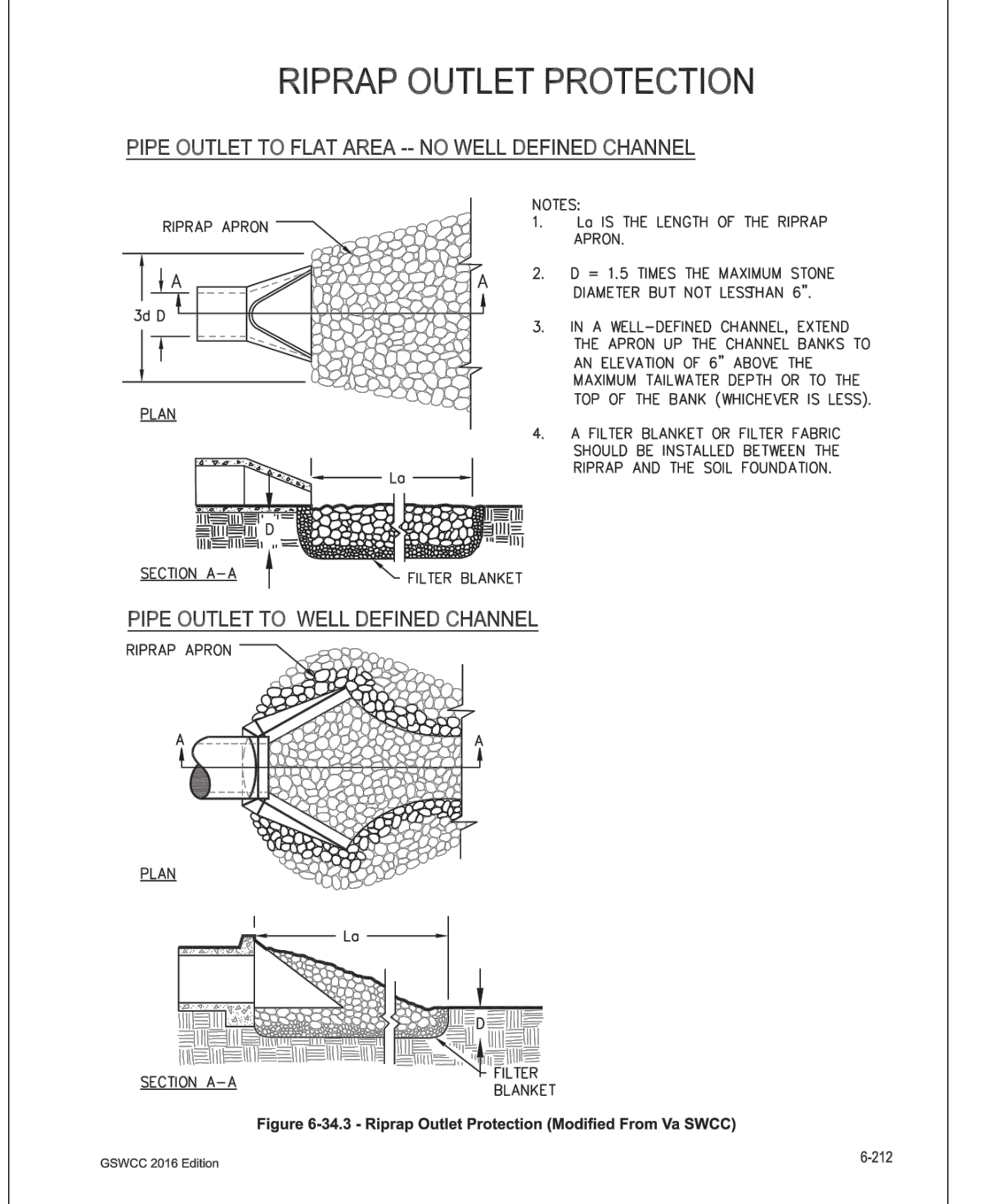


Figure 6-28.14 Riprap Outlet Protection (Modified From VA SWCC)

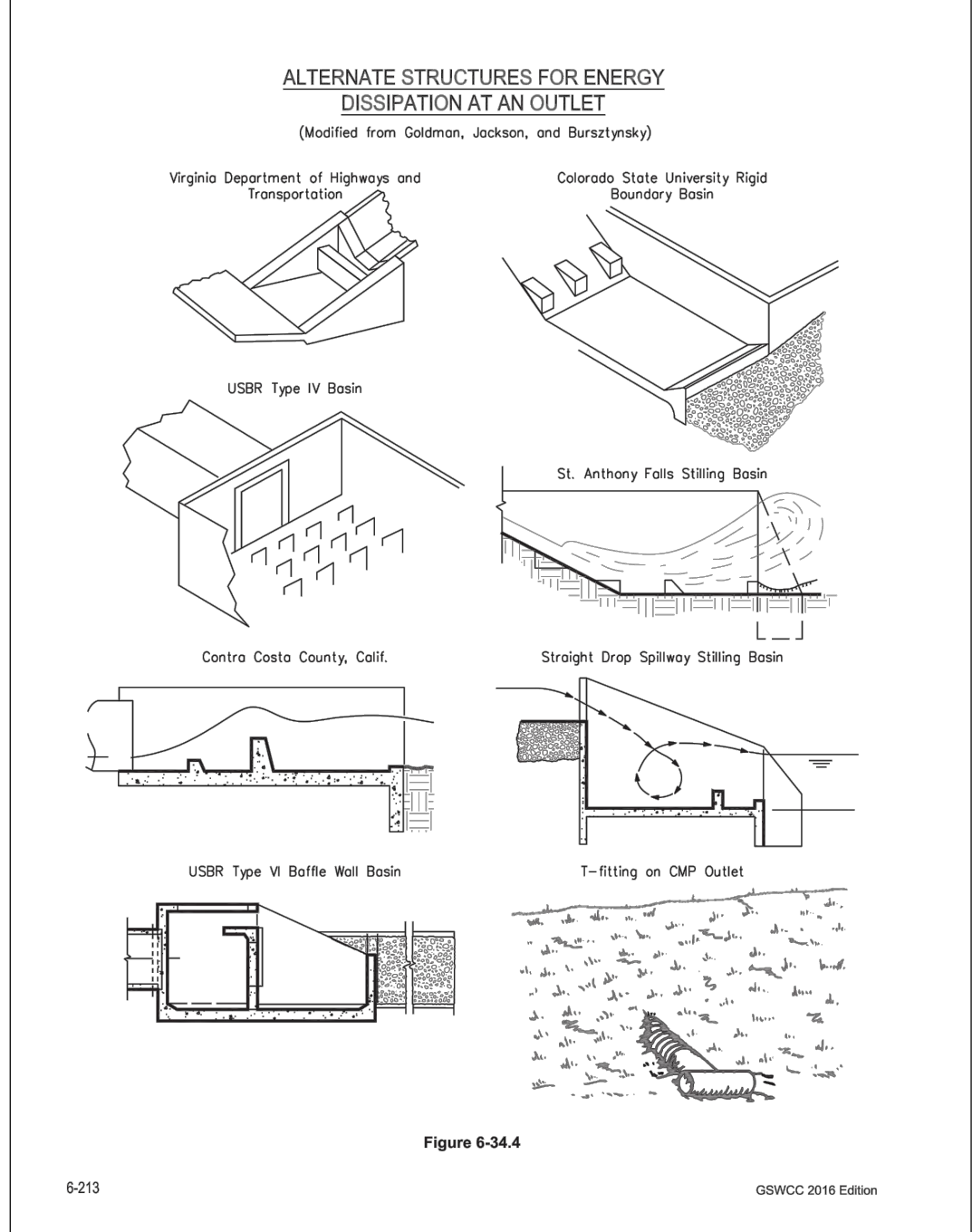


Figure 6-28.15 Riprap Outlet Protection (Modified From VA SWCC)

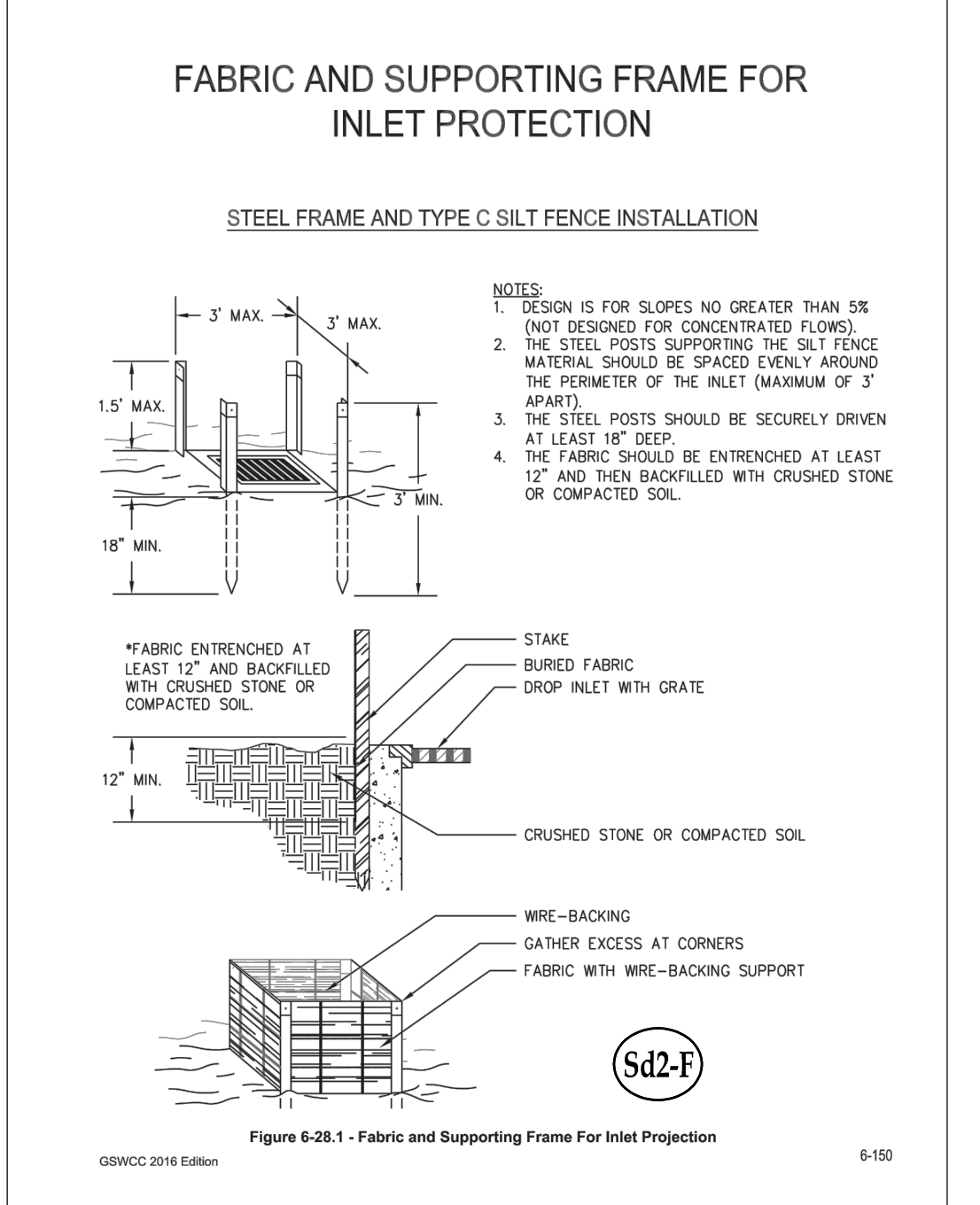


Figure 6-28.16 Riprap Outlet Protection (Modified From VA SWCC)

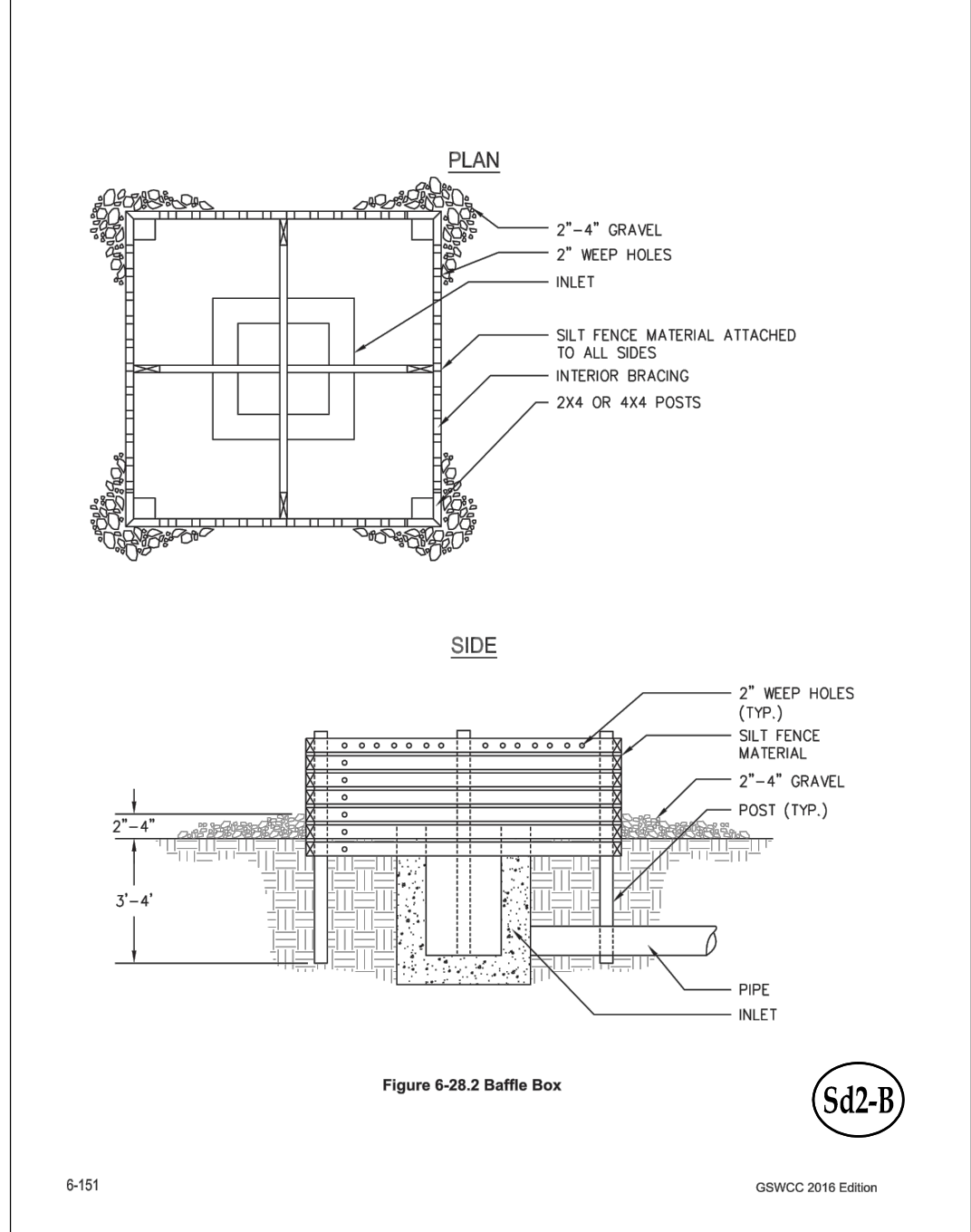


Figure 6-28.17 Riprap Outlet Protection (Modified From VA SWCC)

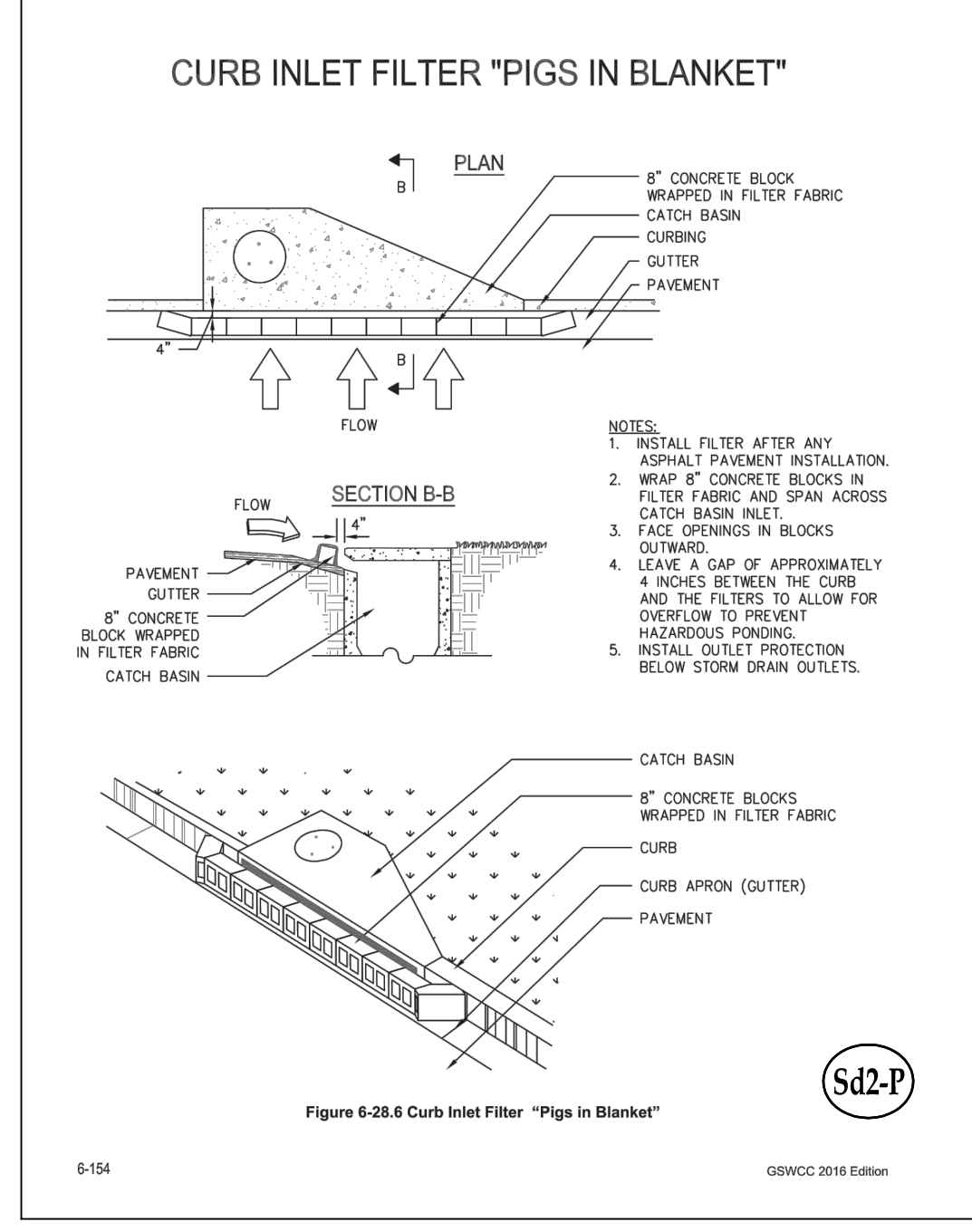


Figure 6-28.18 Riprap Outlet Protection (Modified From VA SWCC)

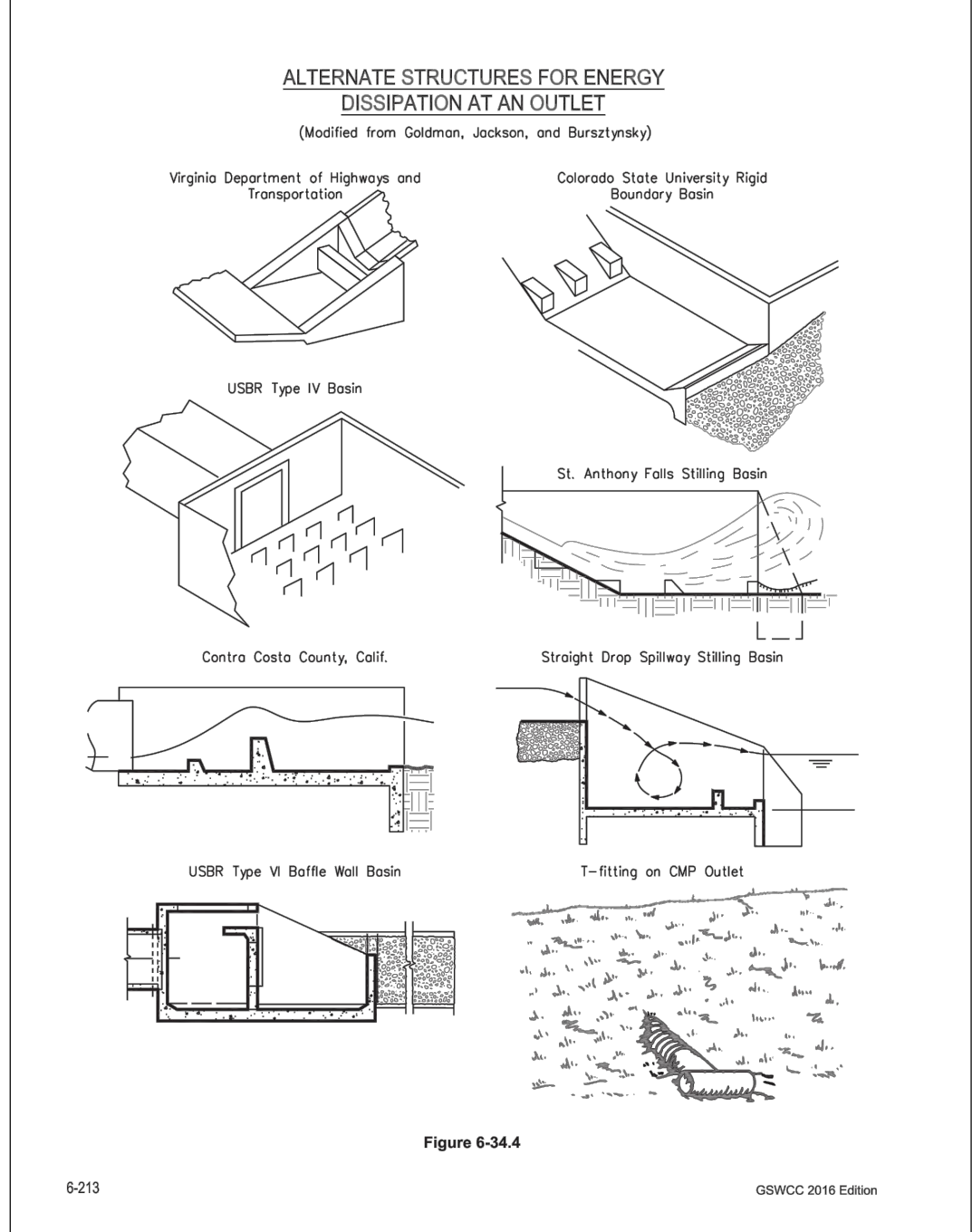


Figure 6-28.19 Riprap Outlet Protection (Modified From VA SWCC)

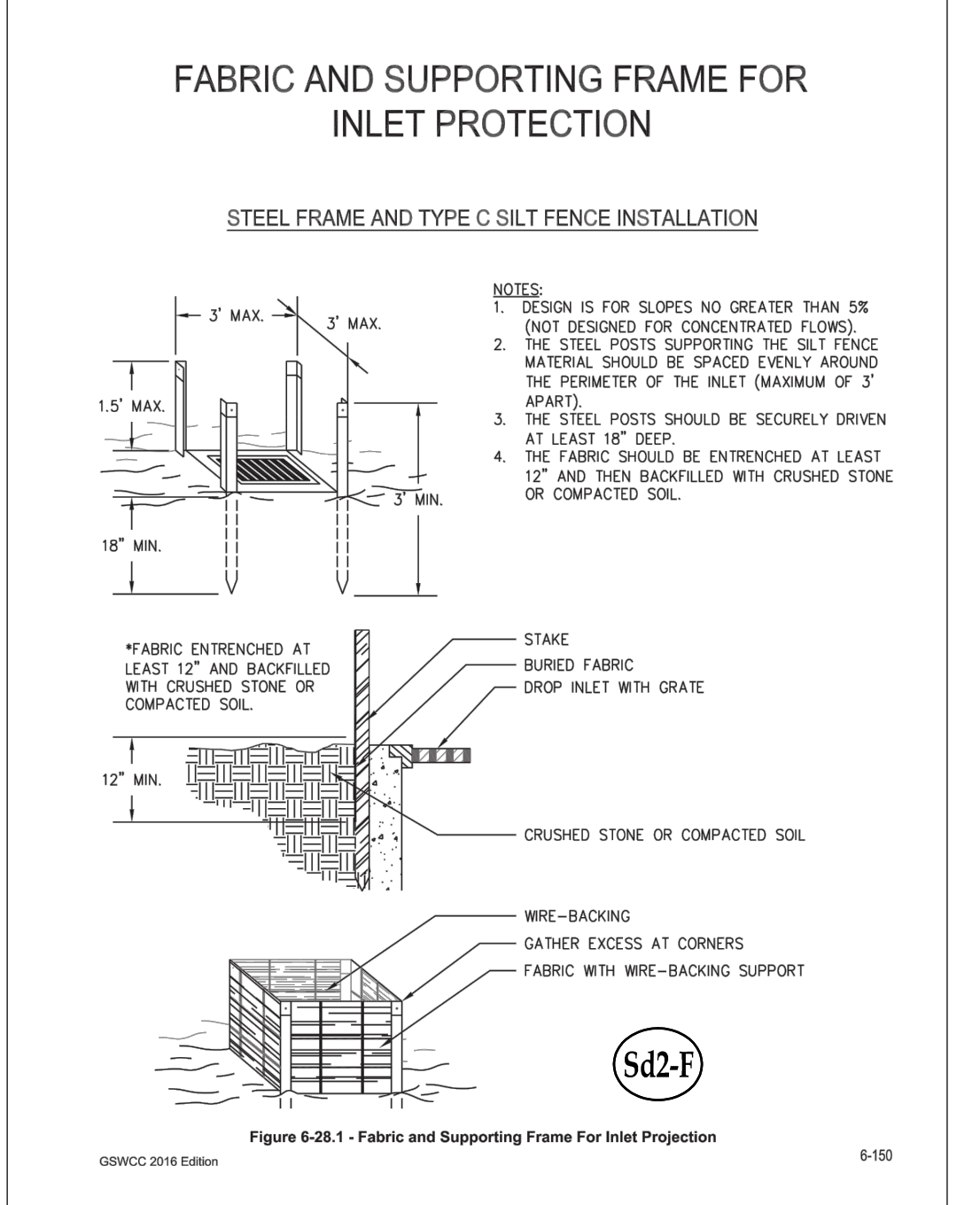


Figure 6-28.20 Riprap Outlet Protection (Modified From VA SWCC)

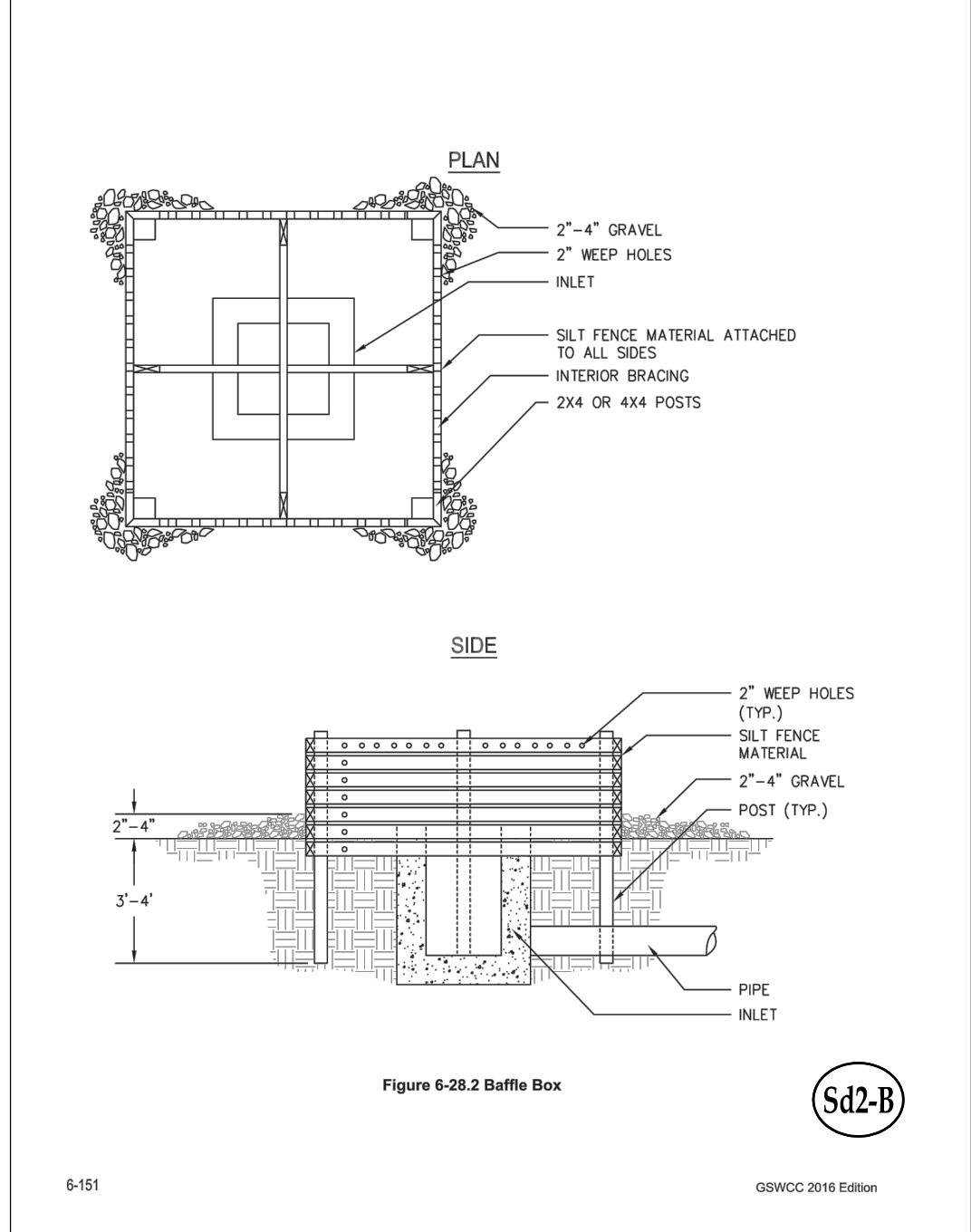


Figure 6-28.21 Riprap Outlet Protection (Modified From VA SWCC)

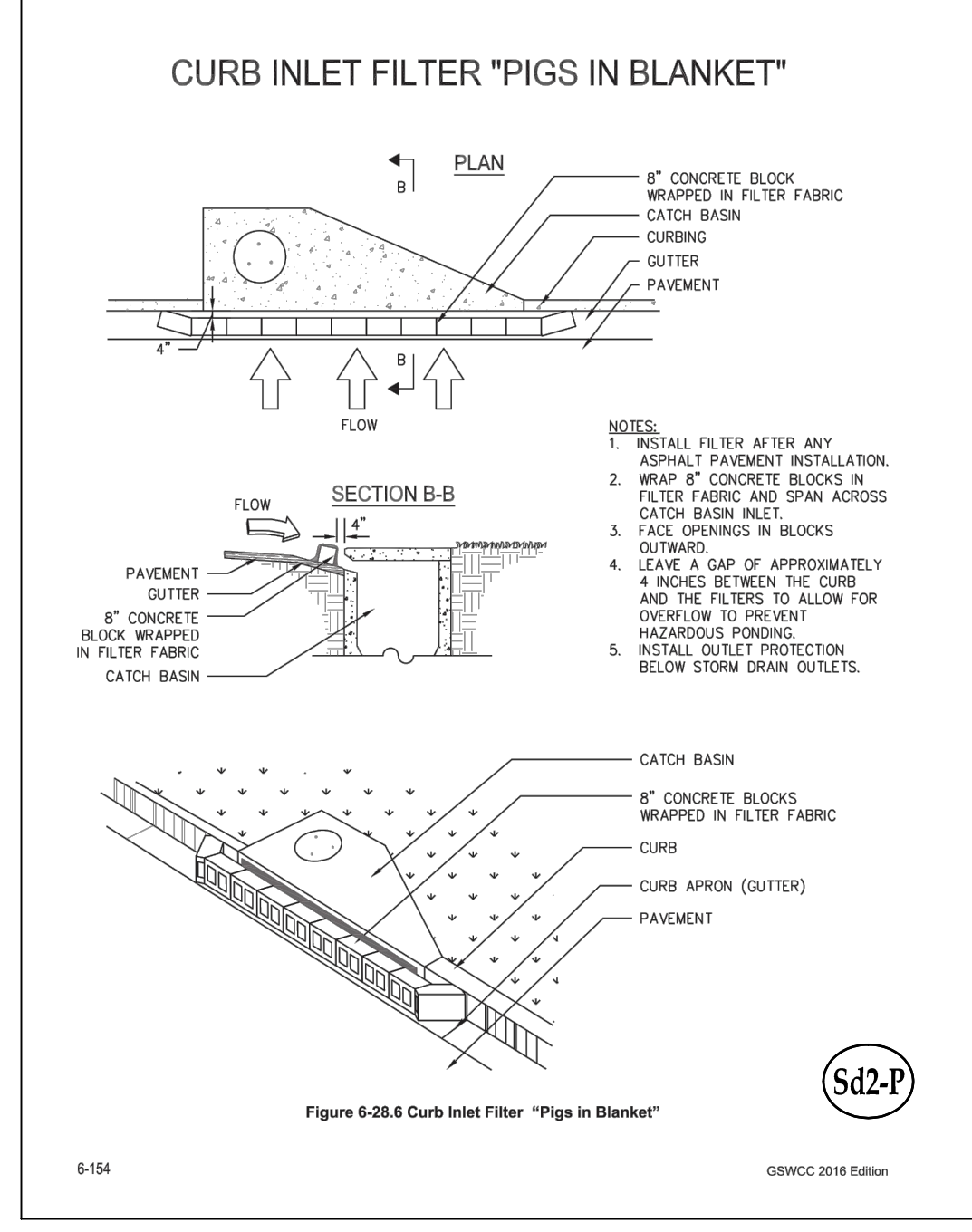


Figure 6-28.22 Riprap Outlet Protection (Modified From VA SWCC)

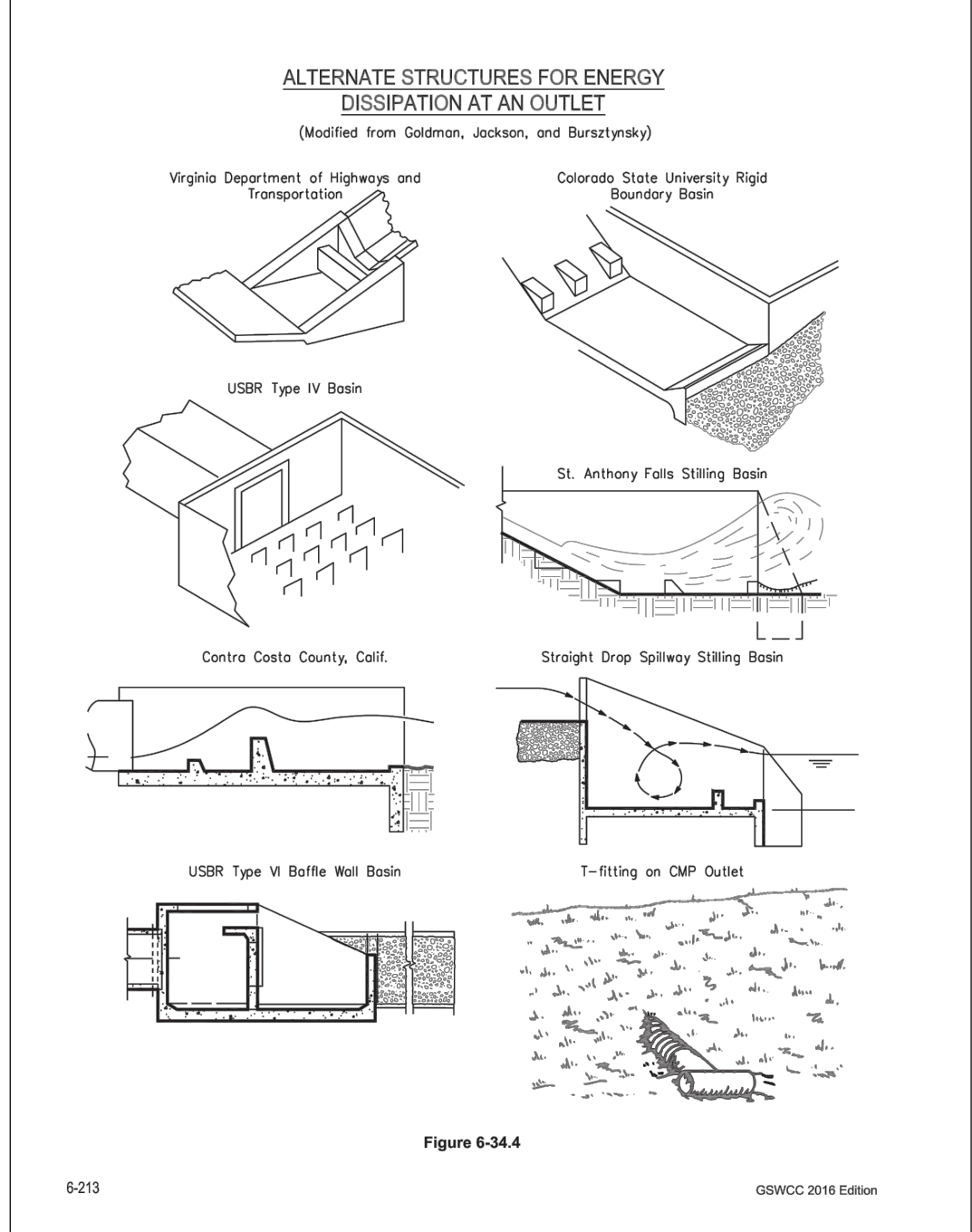


Figure 6-28.23 Riprap Outlet Protection (Modified From VA SWCC)

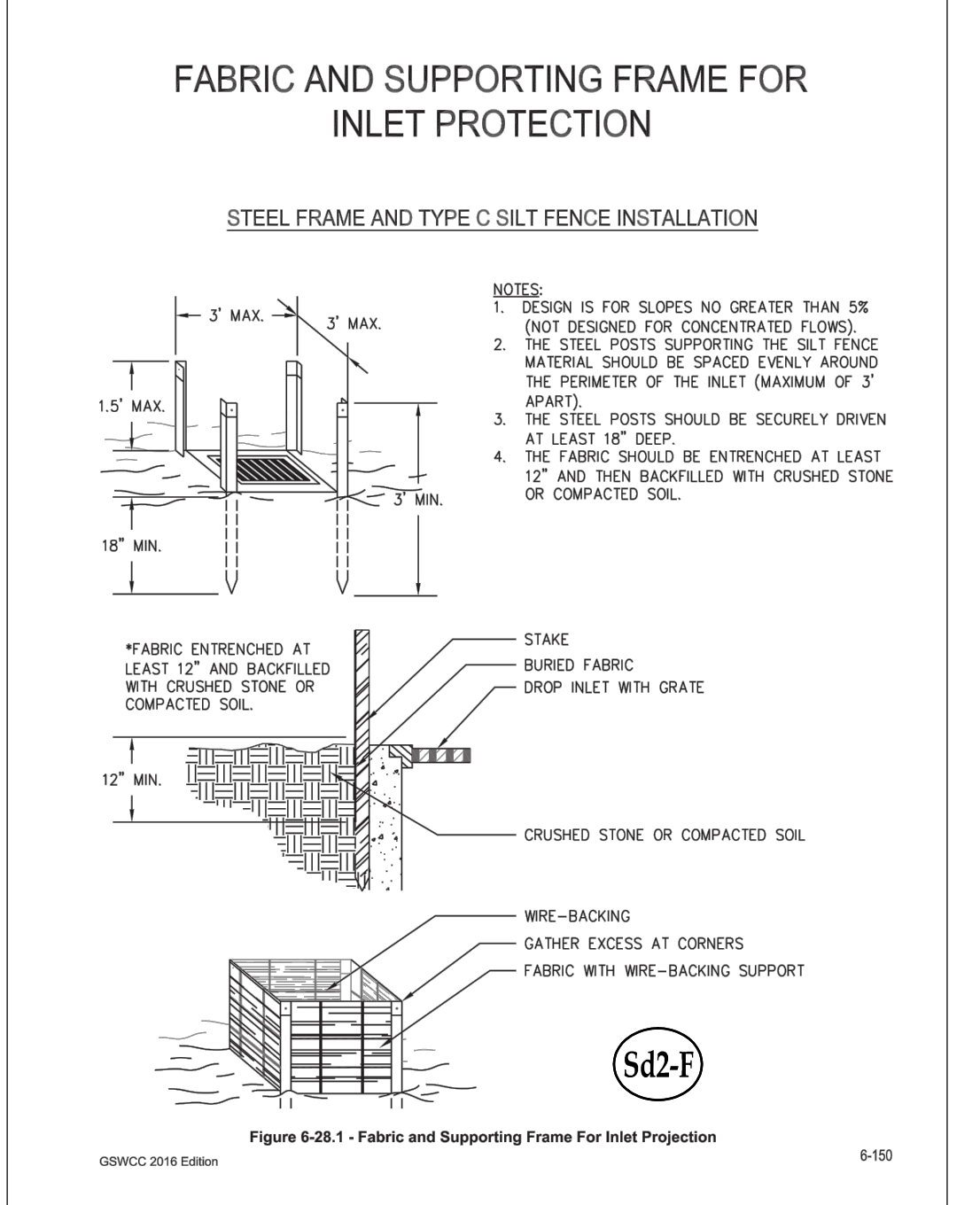


Figure 6-28.24 Riprap Outlet Protection (Modified From VA SWCC)

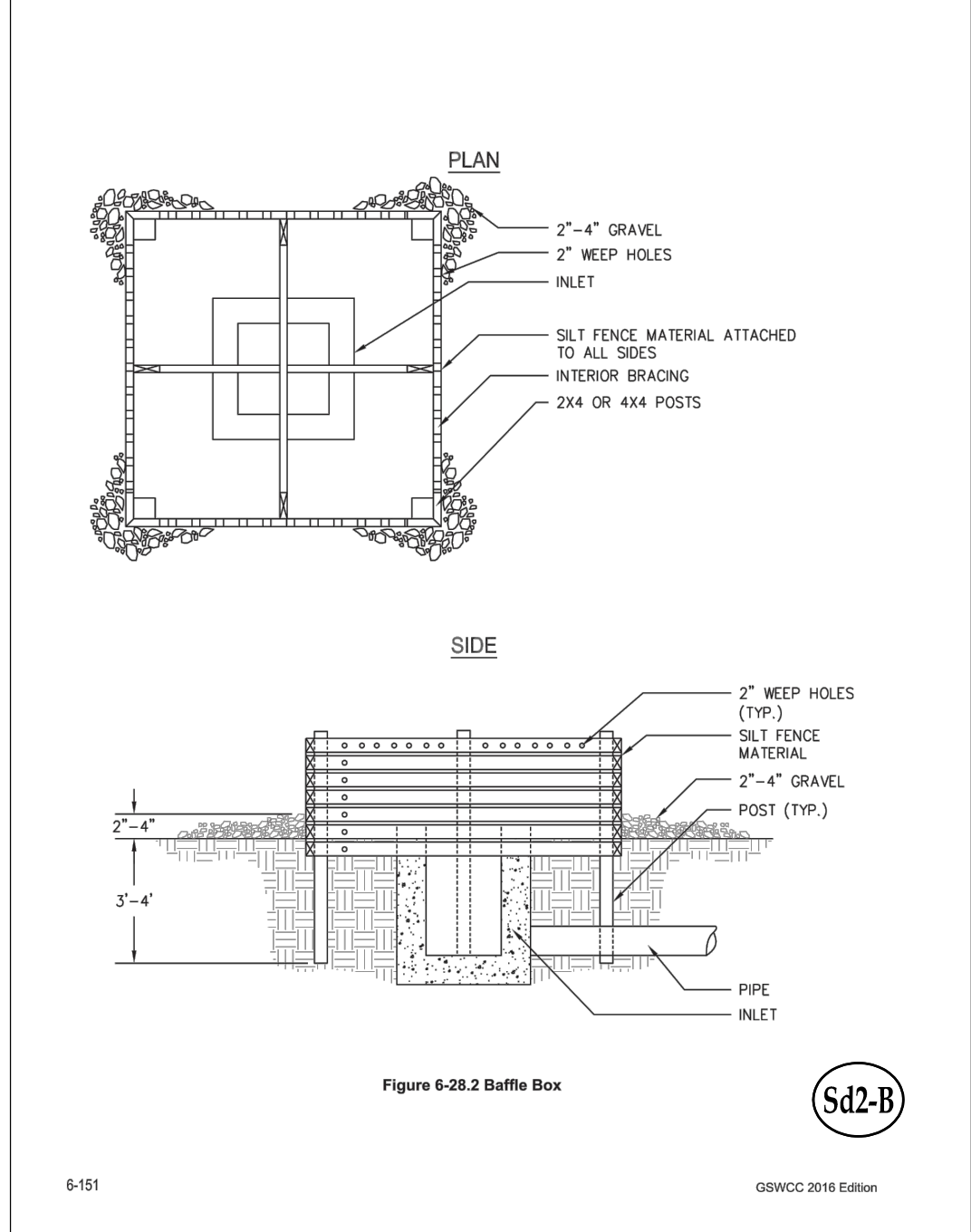


Figure 6-28.25 Riprap Outlet Protection (Modified From VA SWCC)

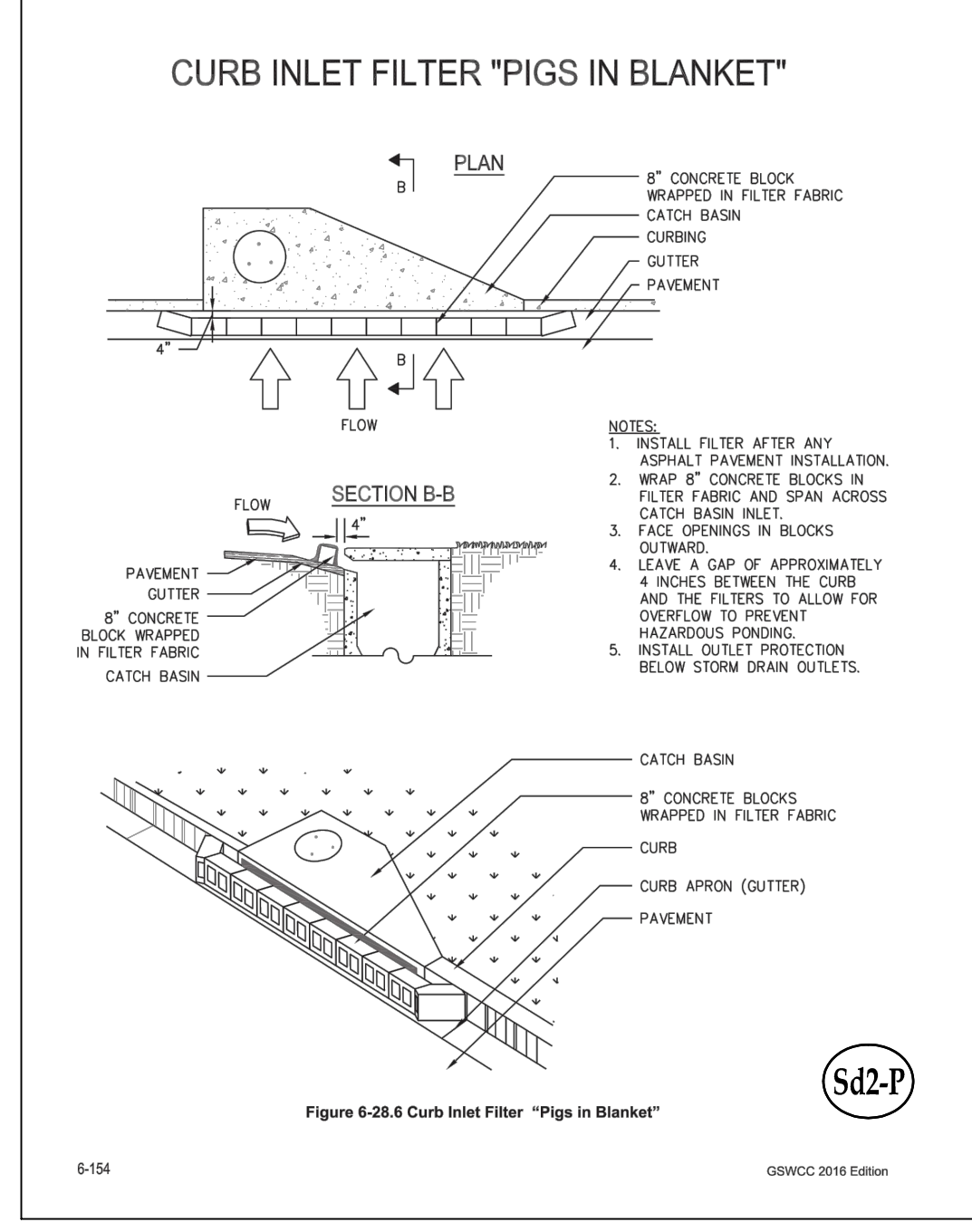


Figure 6-28.26 Riprap Outlet Protection (Modified From VA SWCC)

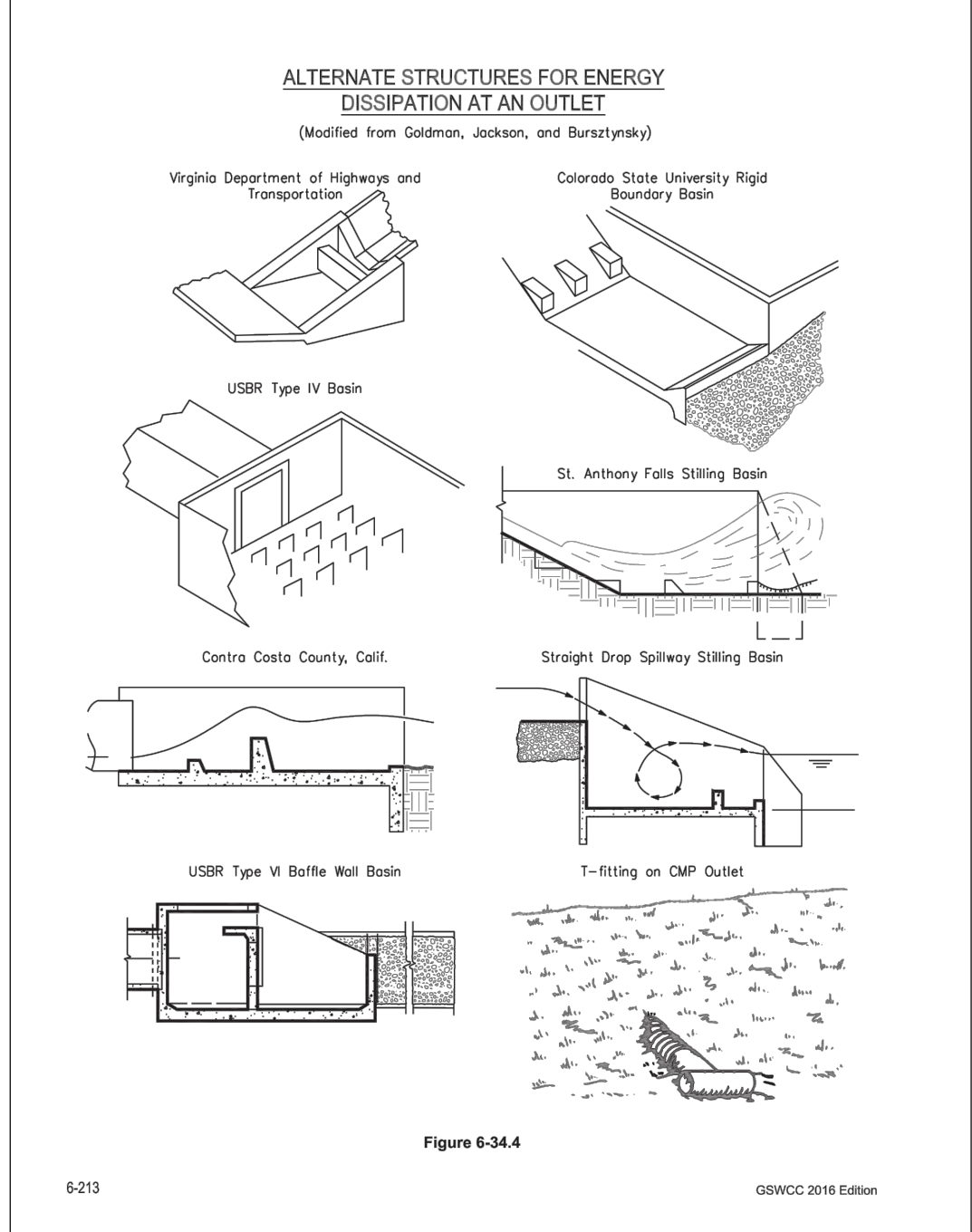


Figure 6-28.27 Riprap Outlet Protection (Modified From VA SWCC)

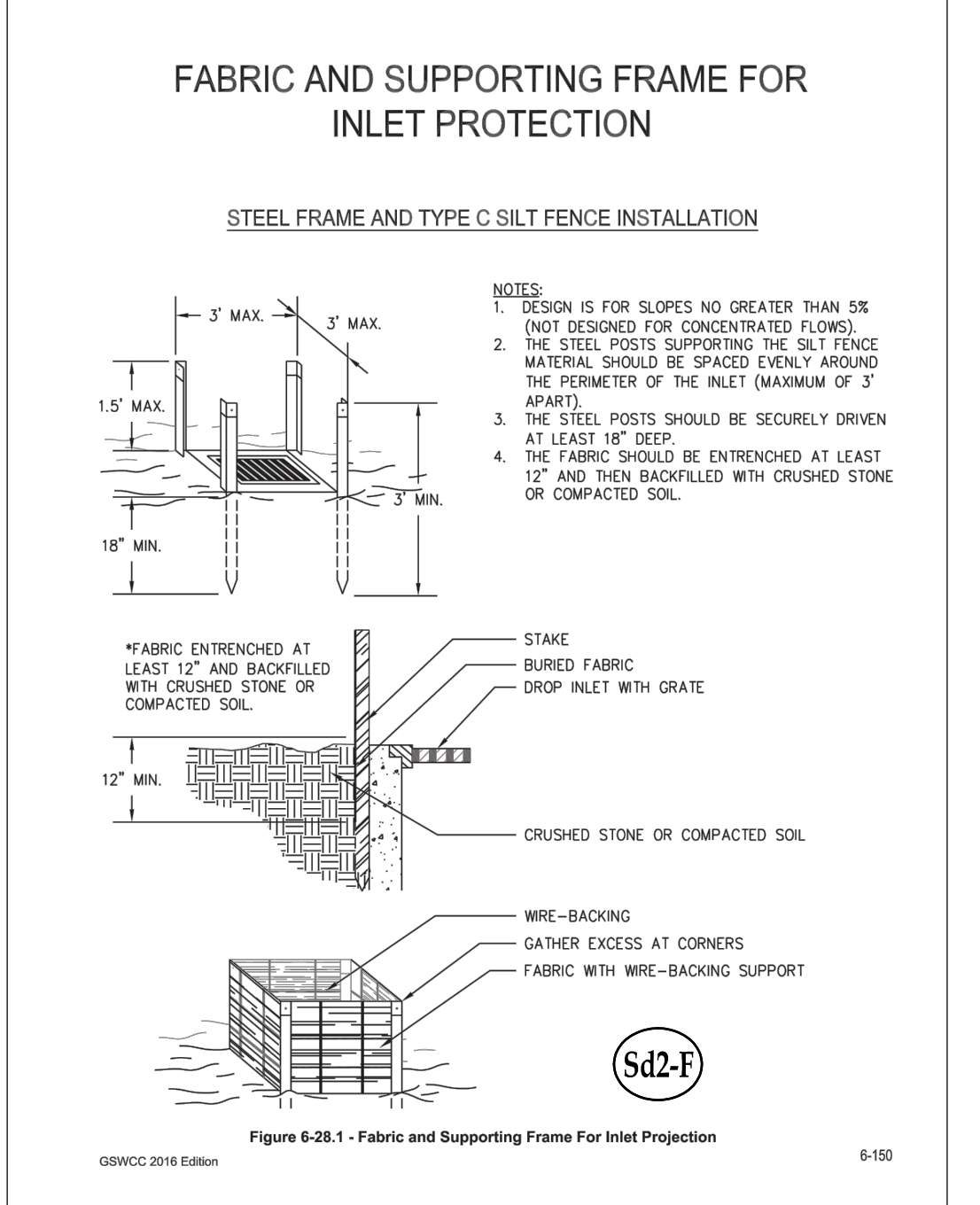


Figure 6-28.28 Riprap Outlet Protection (Modified From VA SWCC)

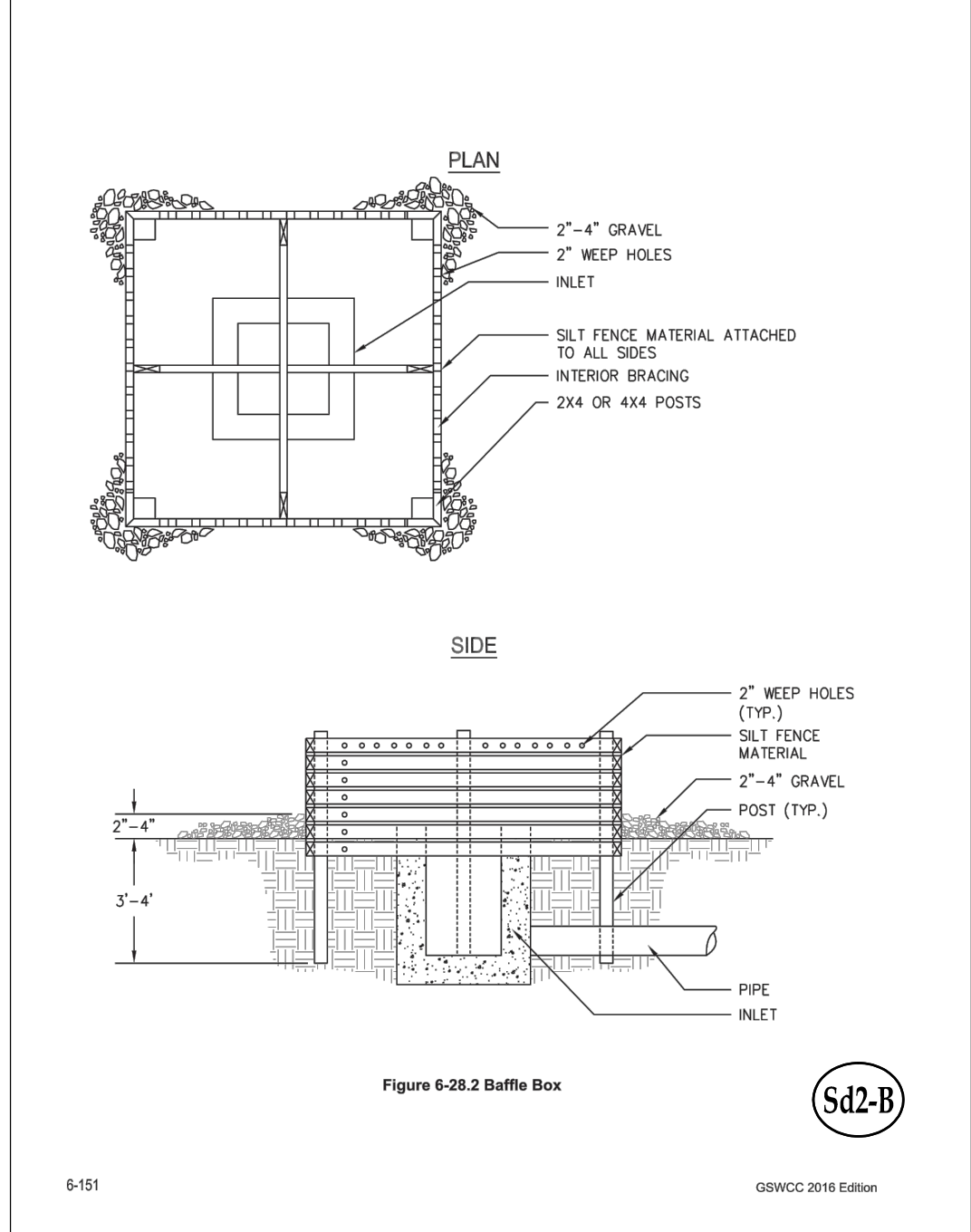


Figure 6-28.29 Riprap Outlet Protection (Modified From VA SWCC)

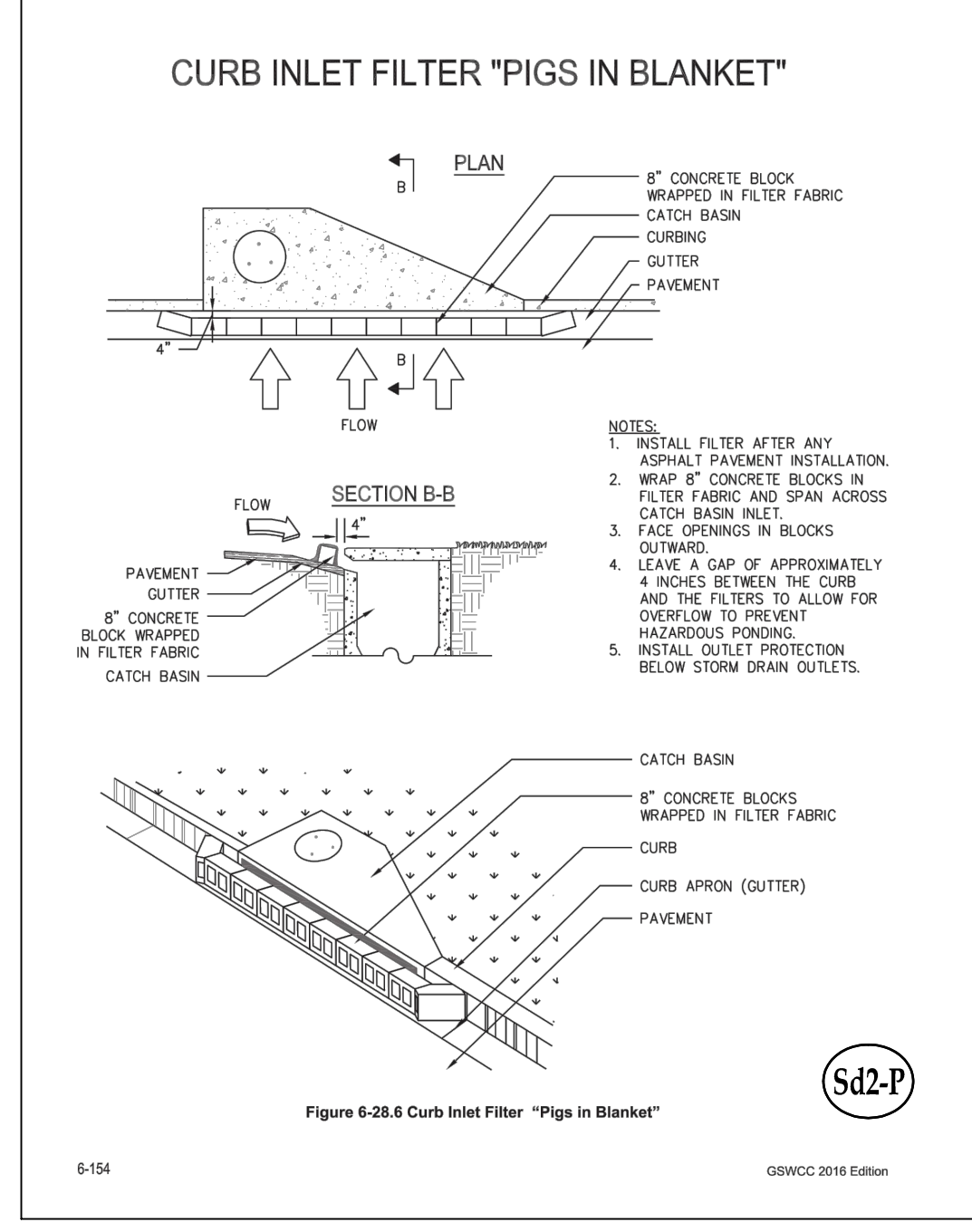


Figure 6-28.30 Riprap Outlet Protection (Modified From VA SWCC)

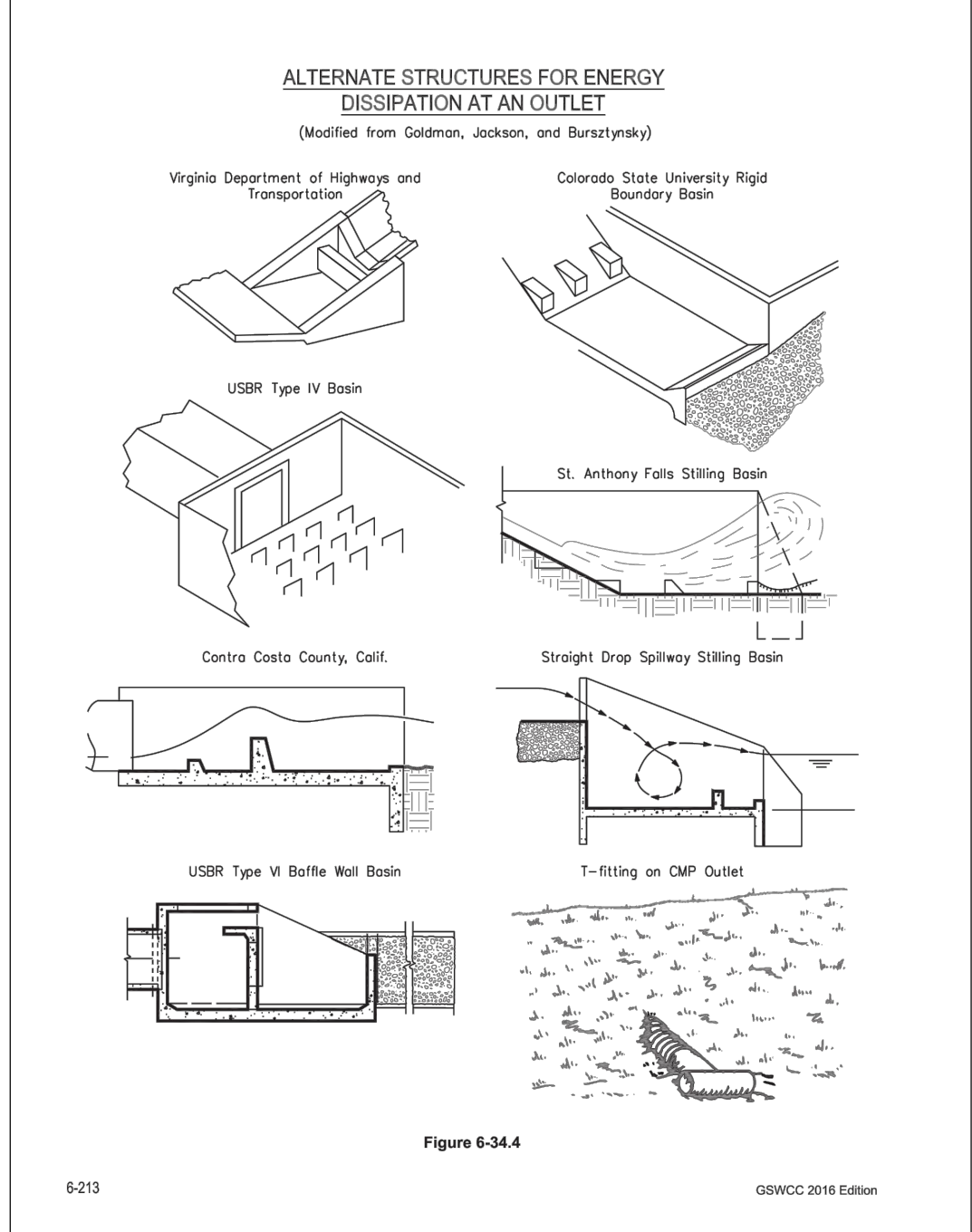


Figure 6-28.31 Riprap Outlet Protection (Modified From VA SWCC)

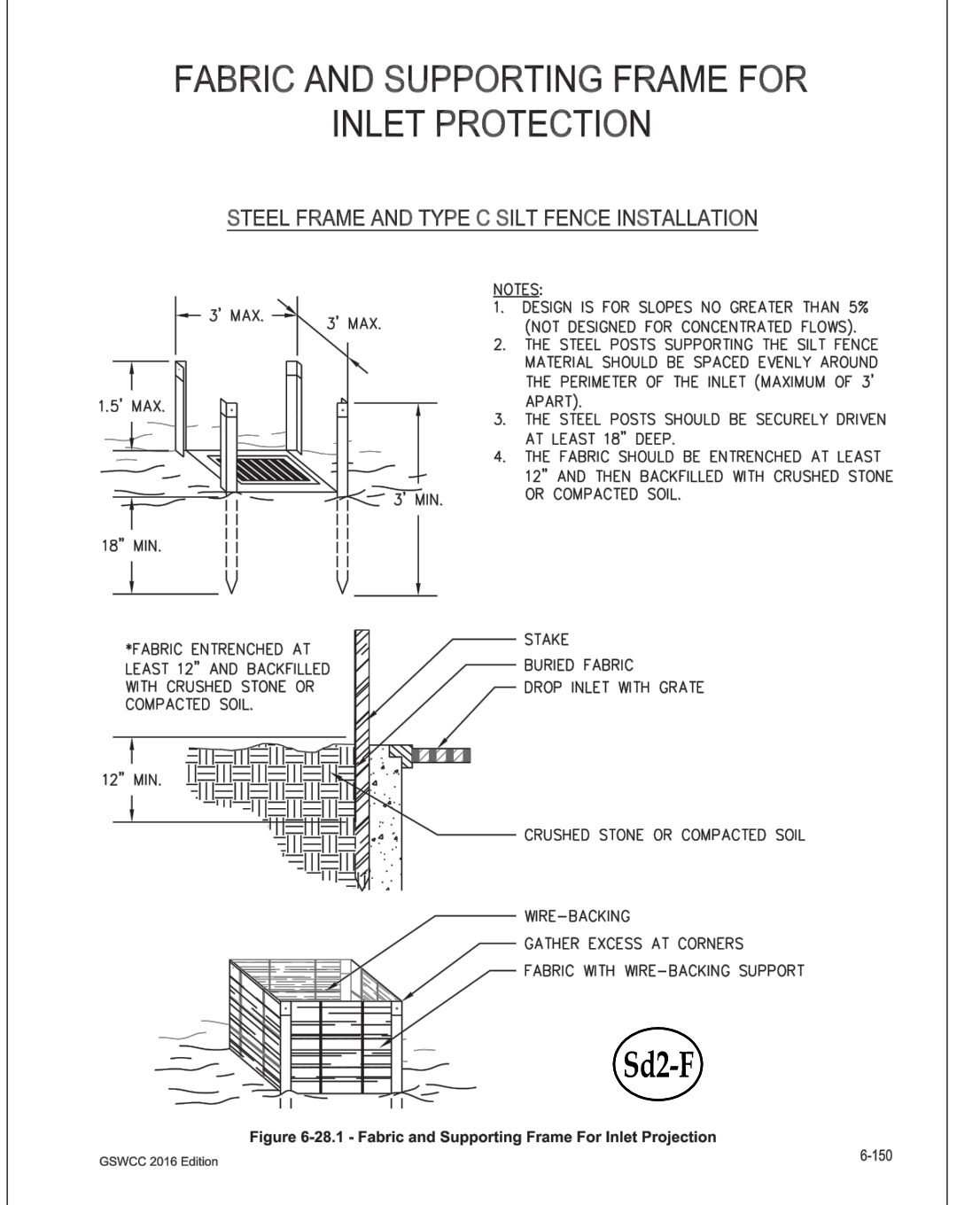


Figure 6-28.32 Riprap Outlet Protection (Modified From VA SWCC)

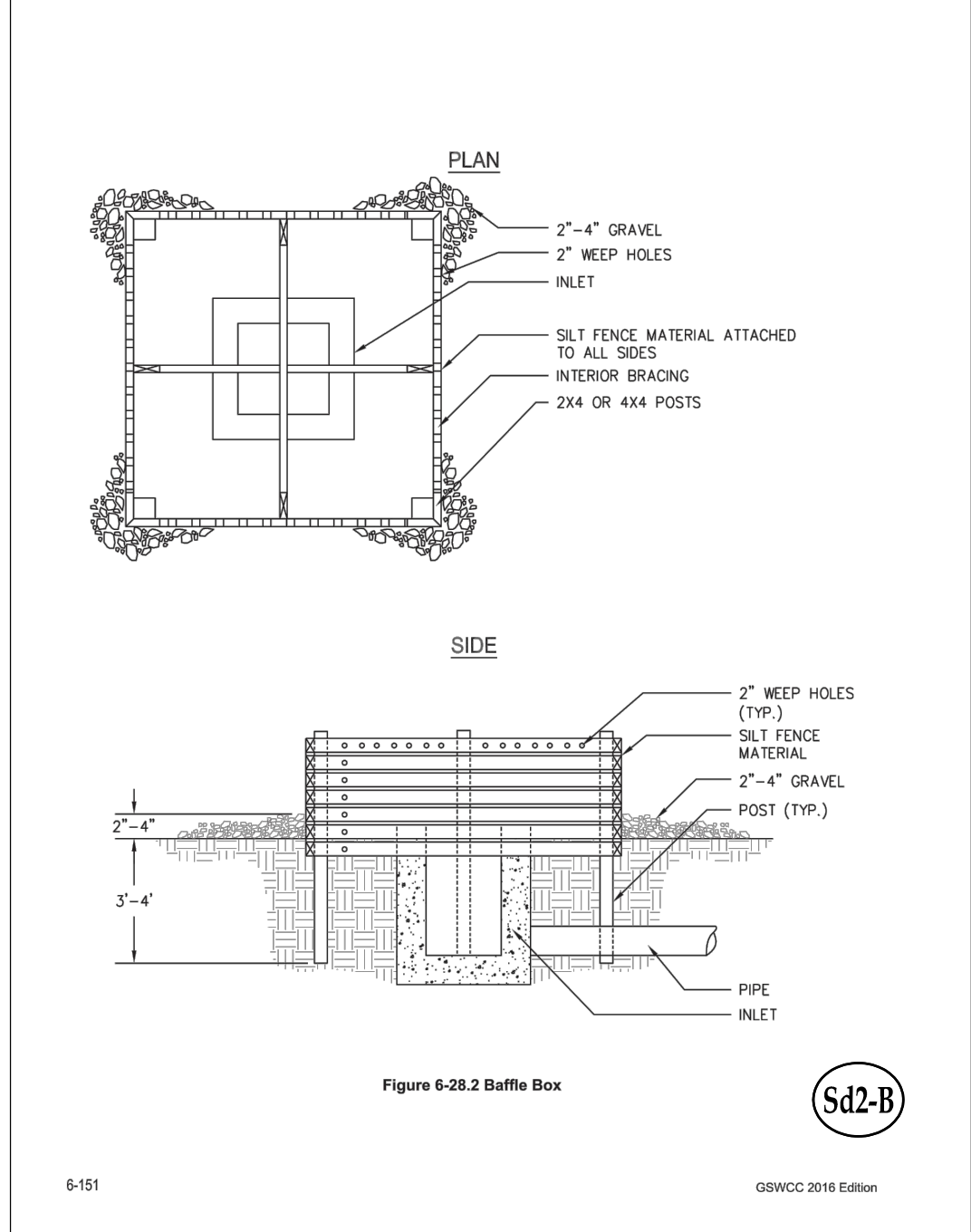


Figure 6-28.33 Riprap Outlet Protection (Modified From VA SWCC)

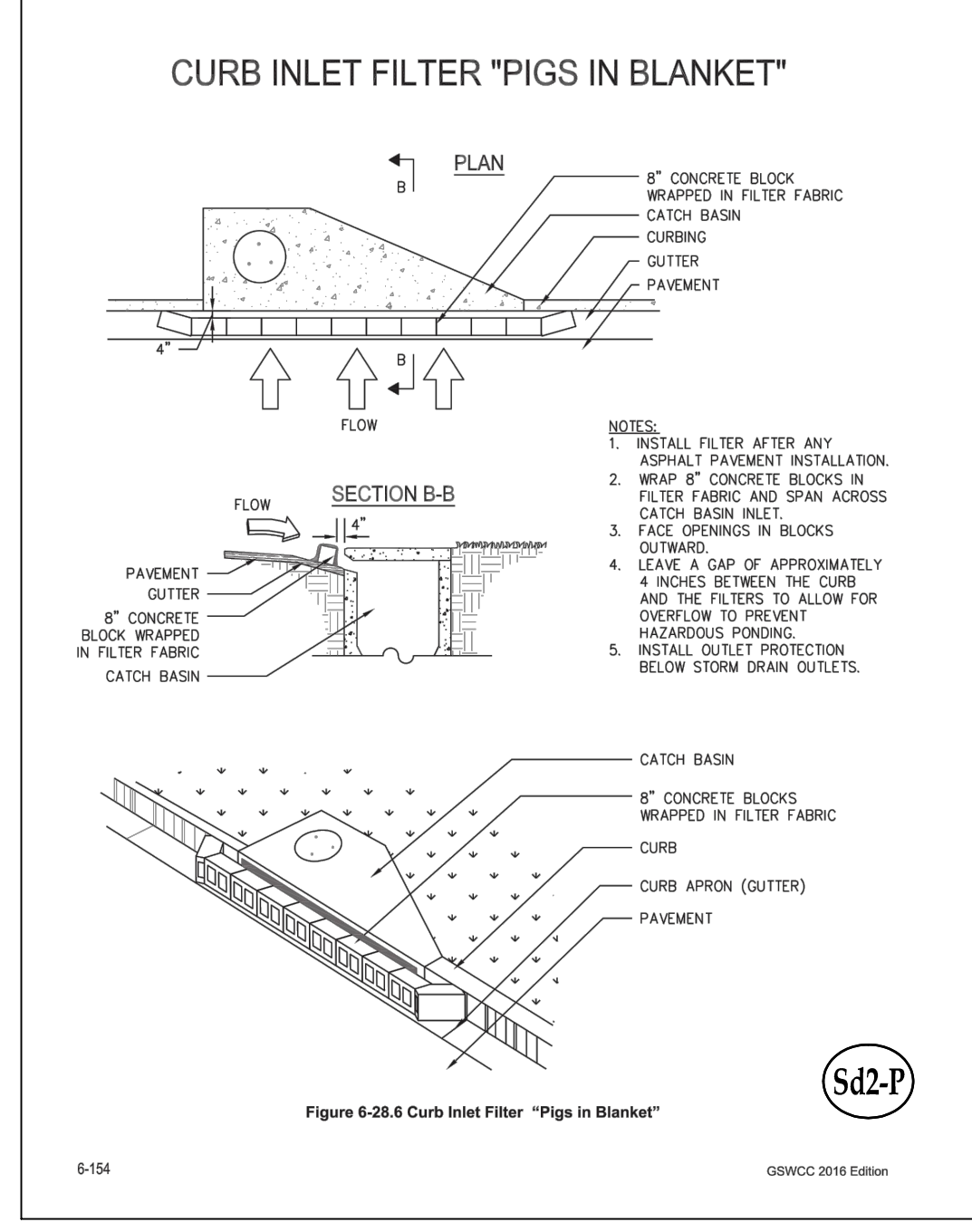


Figure 6-28.34 Riprap Outlet Protection (Modified From VA SWCC)

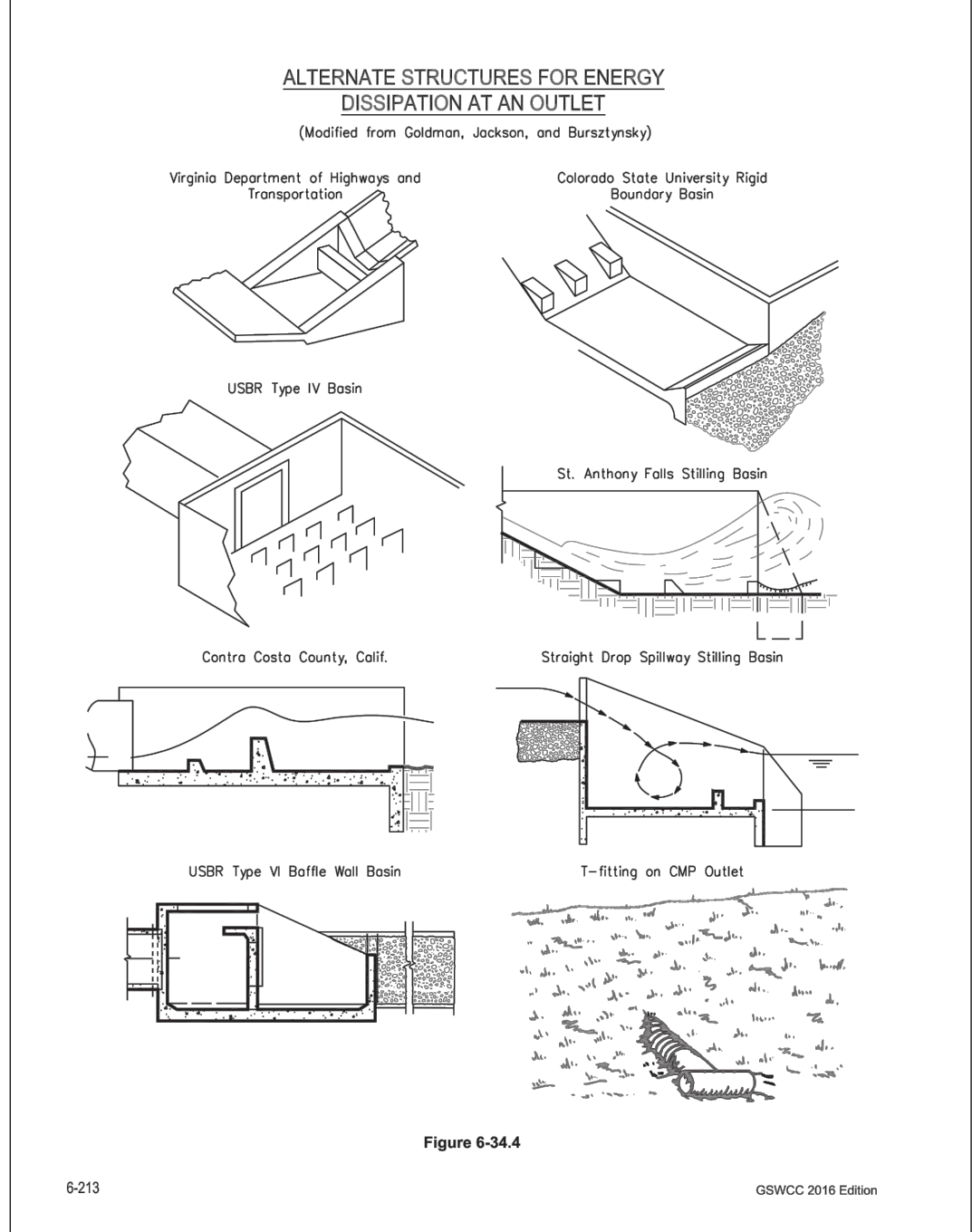


Figure 6-28.35 Riprap Outlet Protection (Modified From VA SWCC)

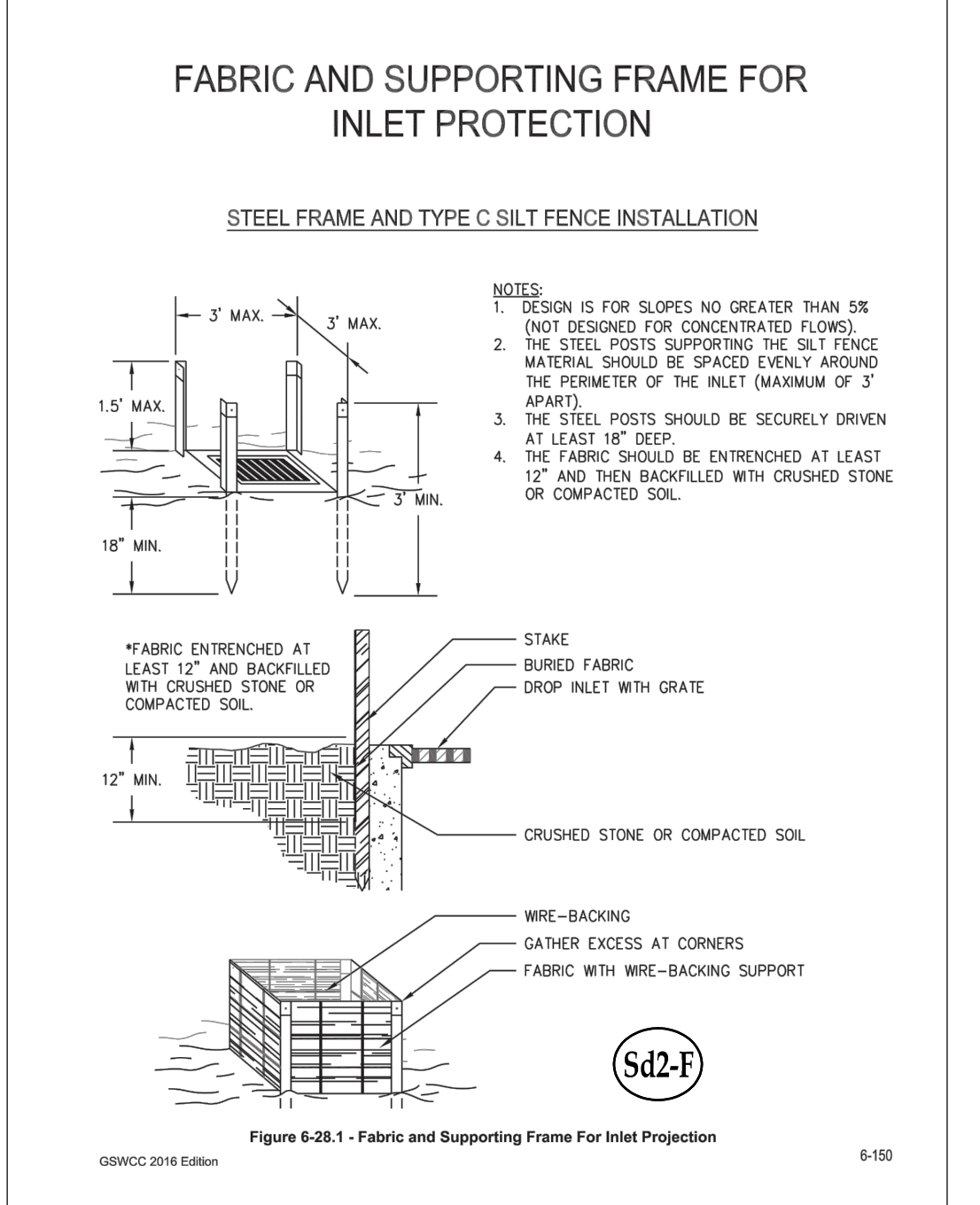


Figure 6-28.36 Riprap Outlet Protection (Modified From VA SWCC)

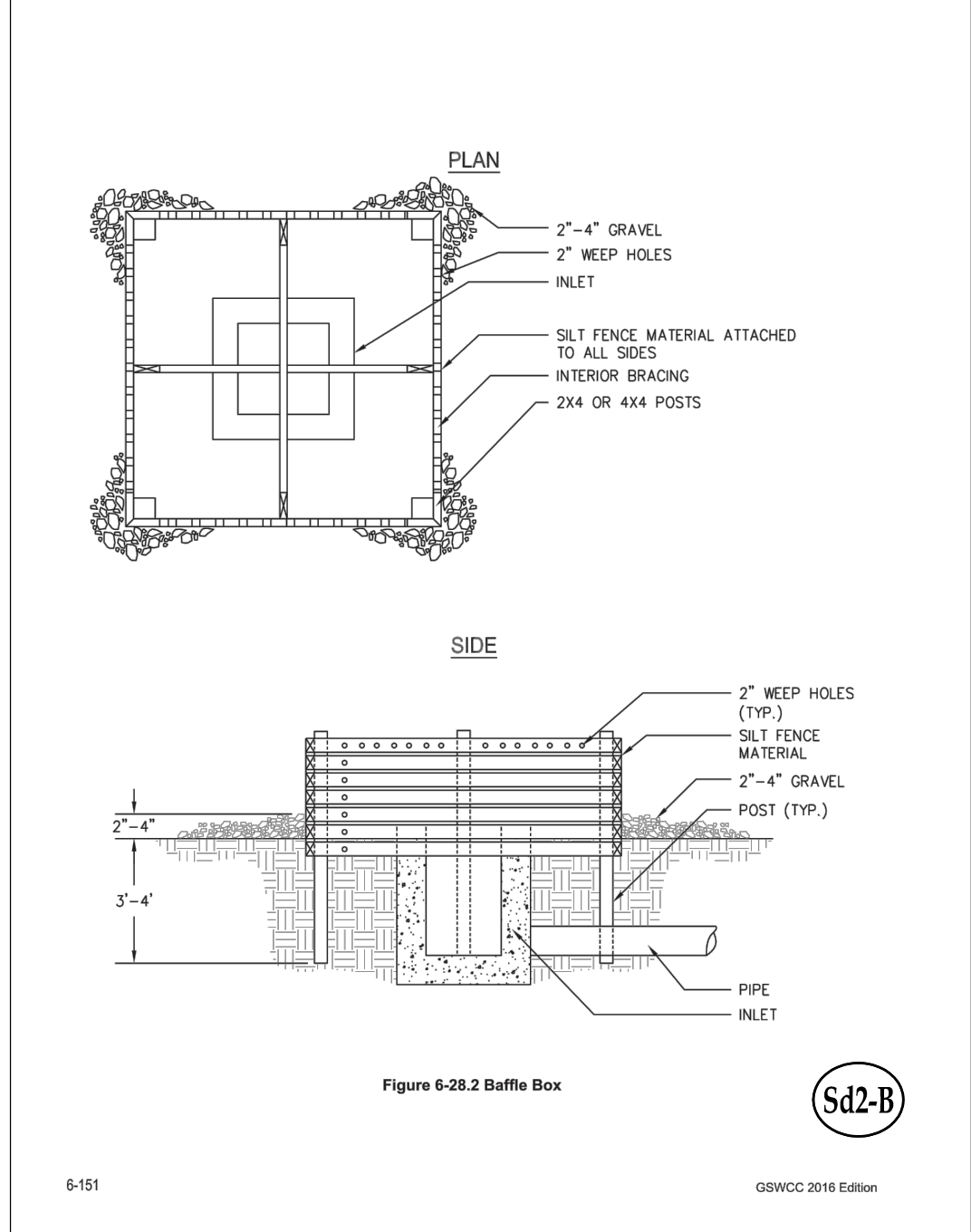


Figure 6-28.37 Riprap Outlet Protection (Modified From VA SWCC)

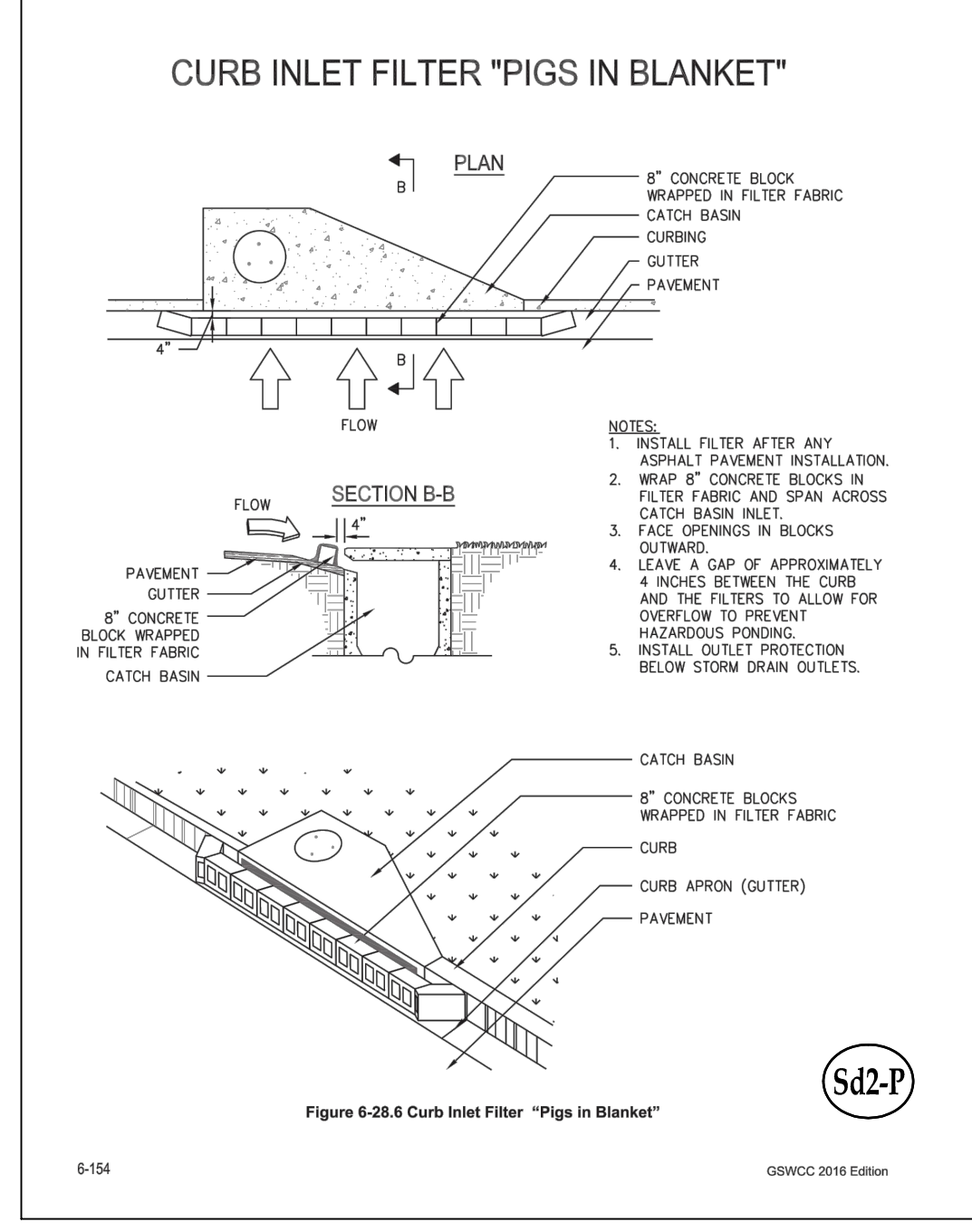


Figure 6-28.38 Riprap Outlet Protection (Modified From VA SWCC)

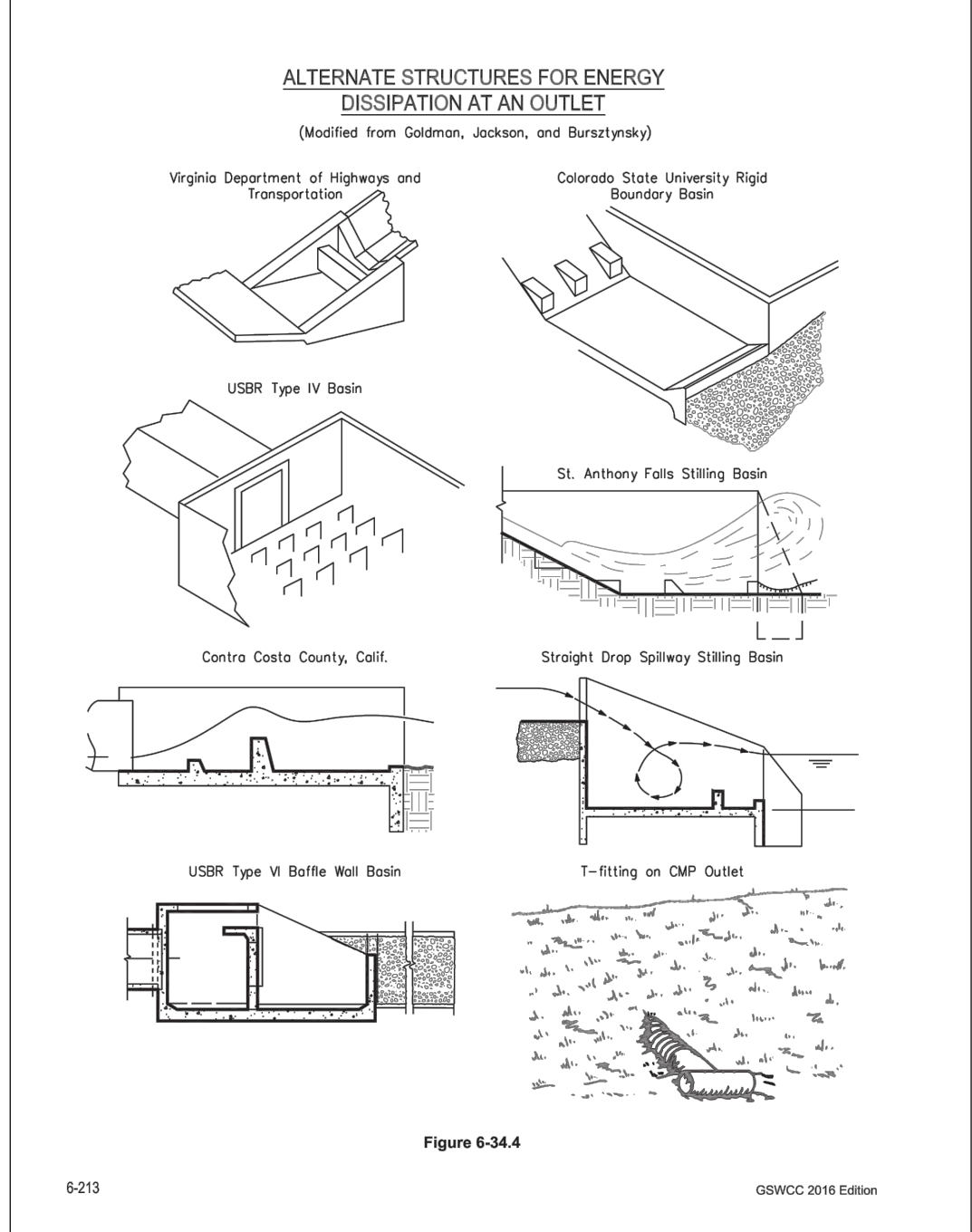


Figure 6-28.39 Riprap Outlet Protection (Modified From VA SWCC)

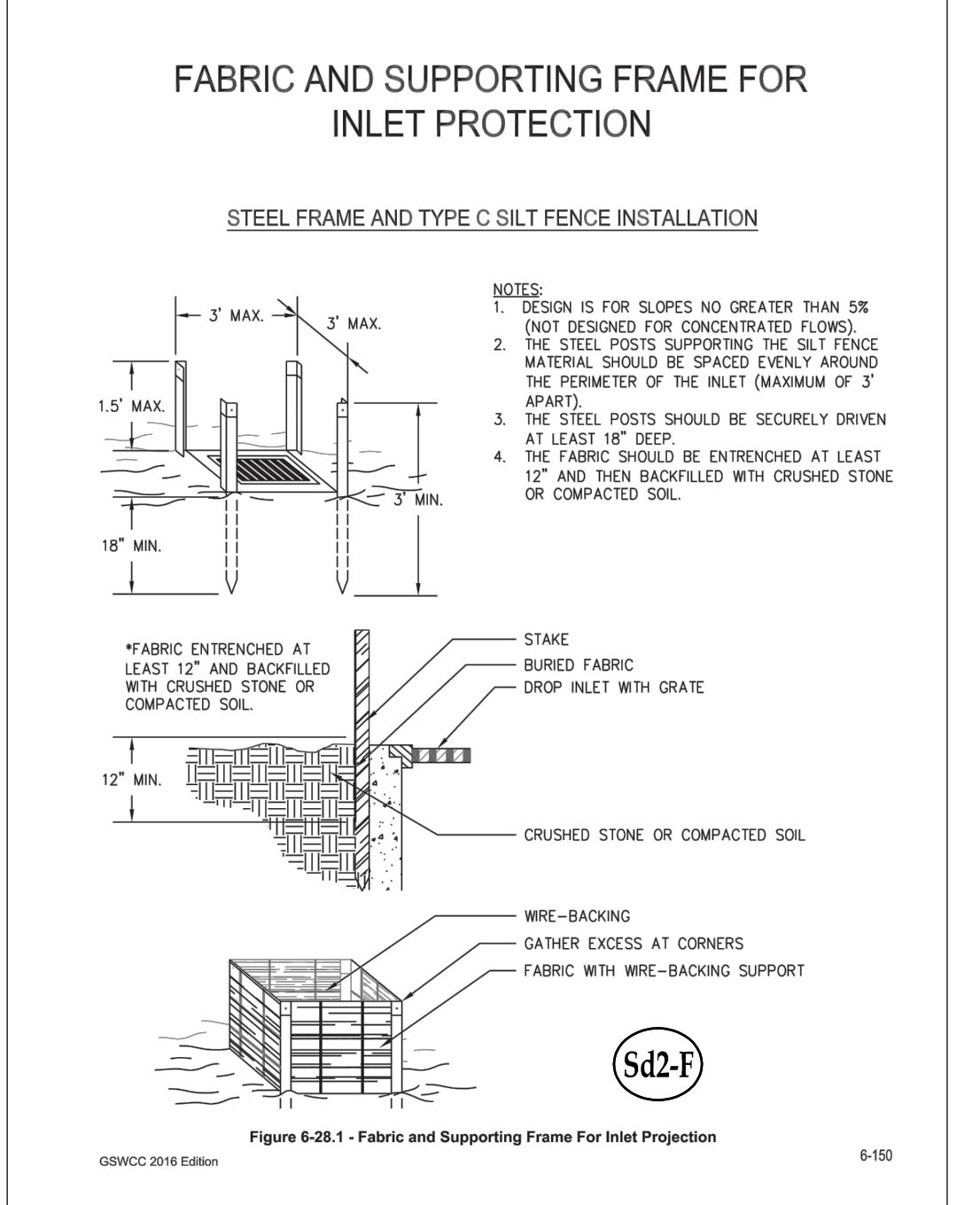


Figure 6-28.40 Riprap Outlet Protection (Modified From VA SWCC)

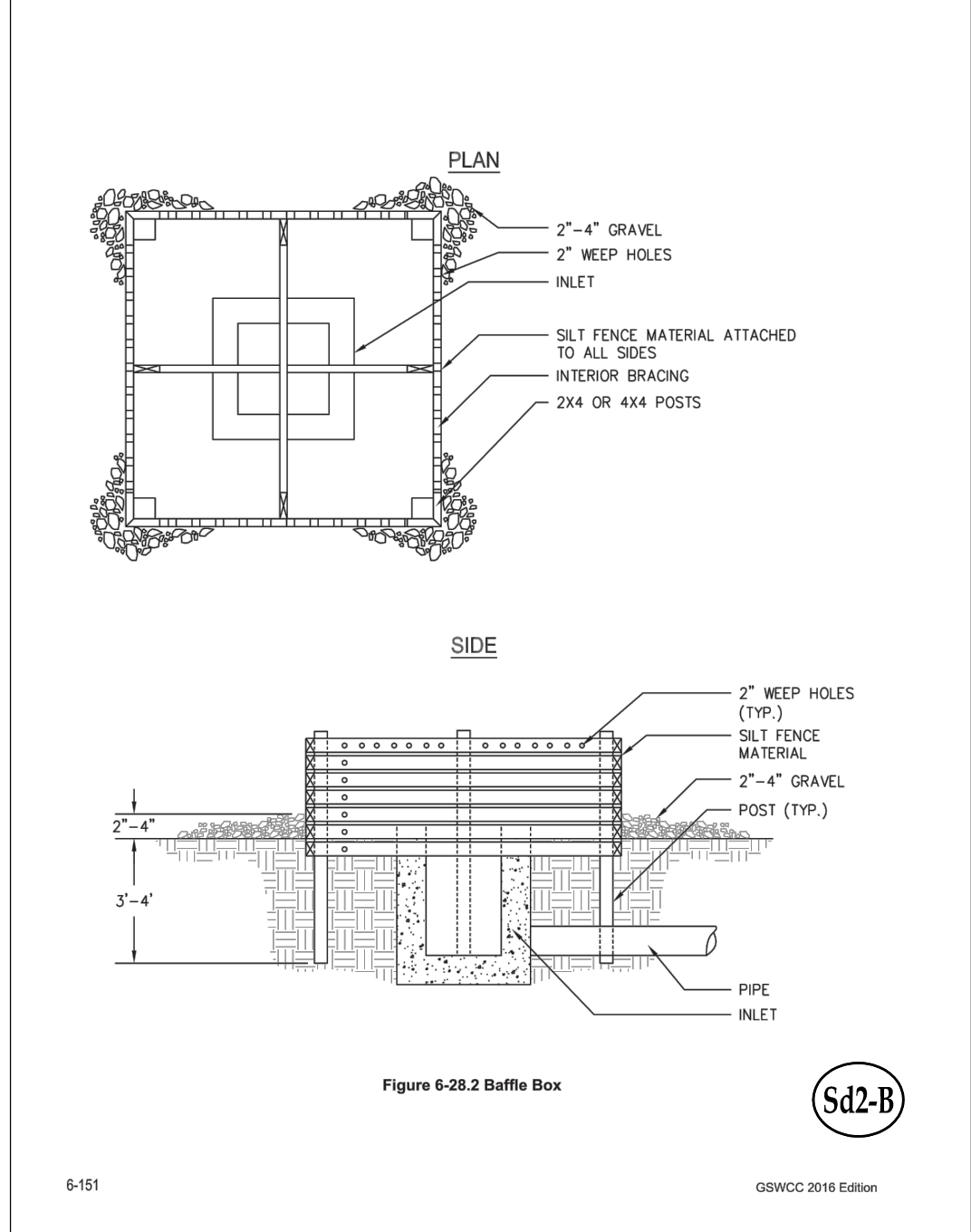


Figure 6-28.41 Riprap Outlet Protection (Modified From VA SWCC)

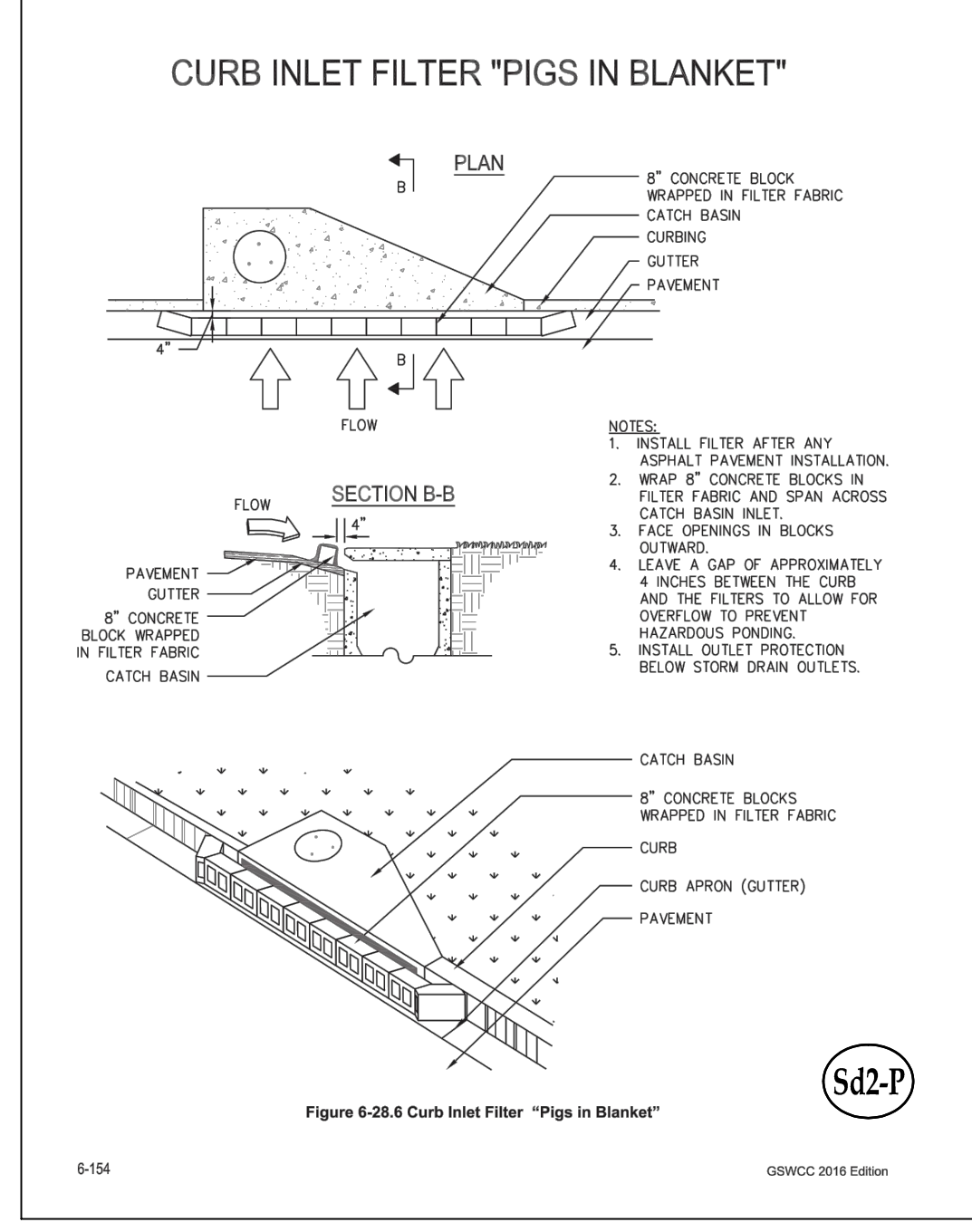


Figure 6-28.42 Riprap Outlet Protection (Modified From VA SWCC)

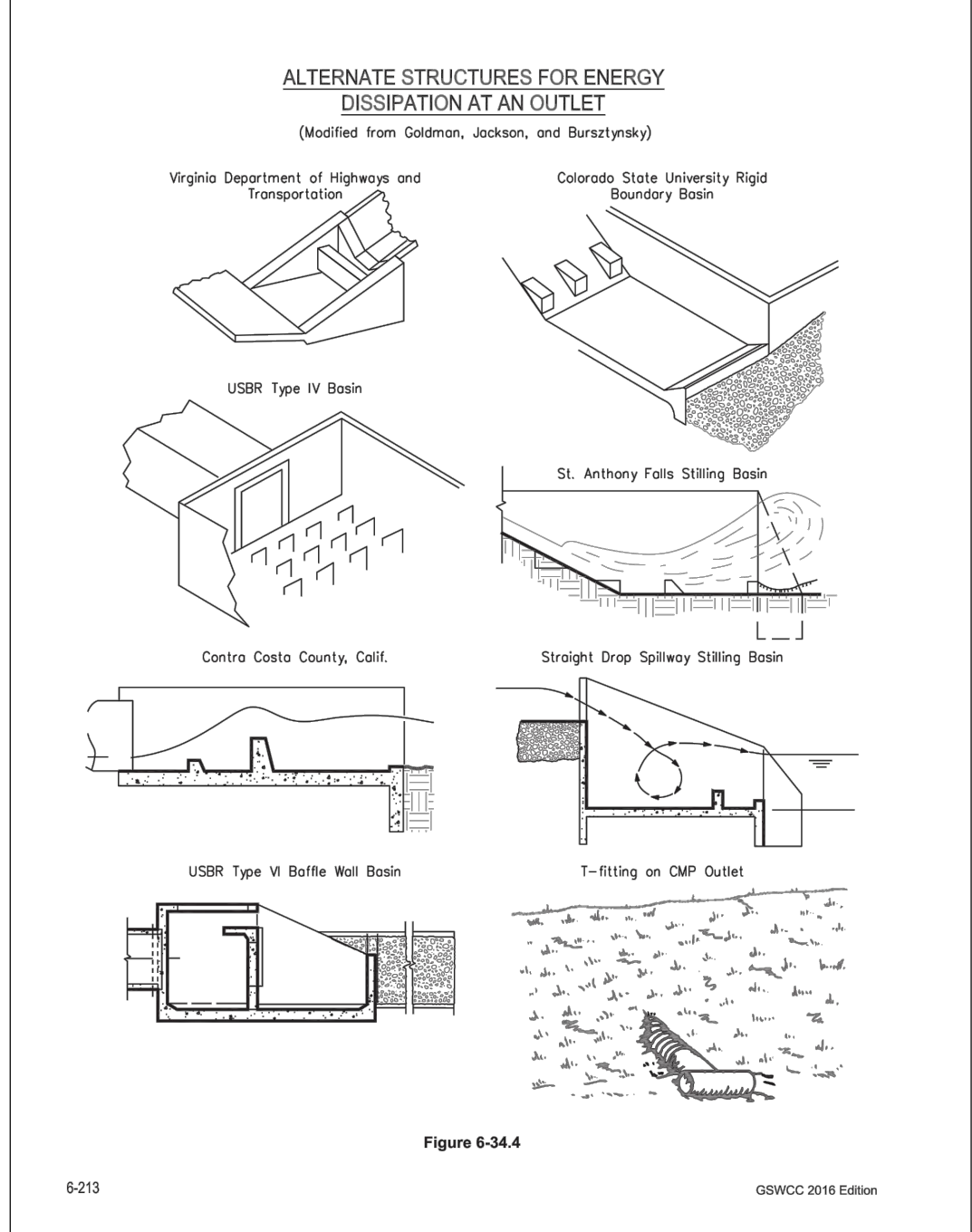


Figure 6-28.43 Riprap Outlet Protection (Modified From VA SWCC)

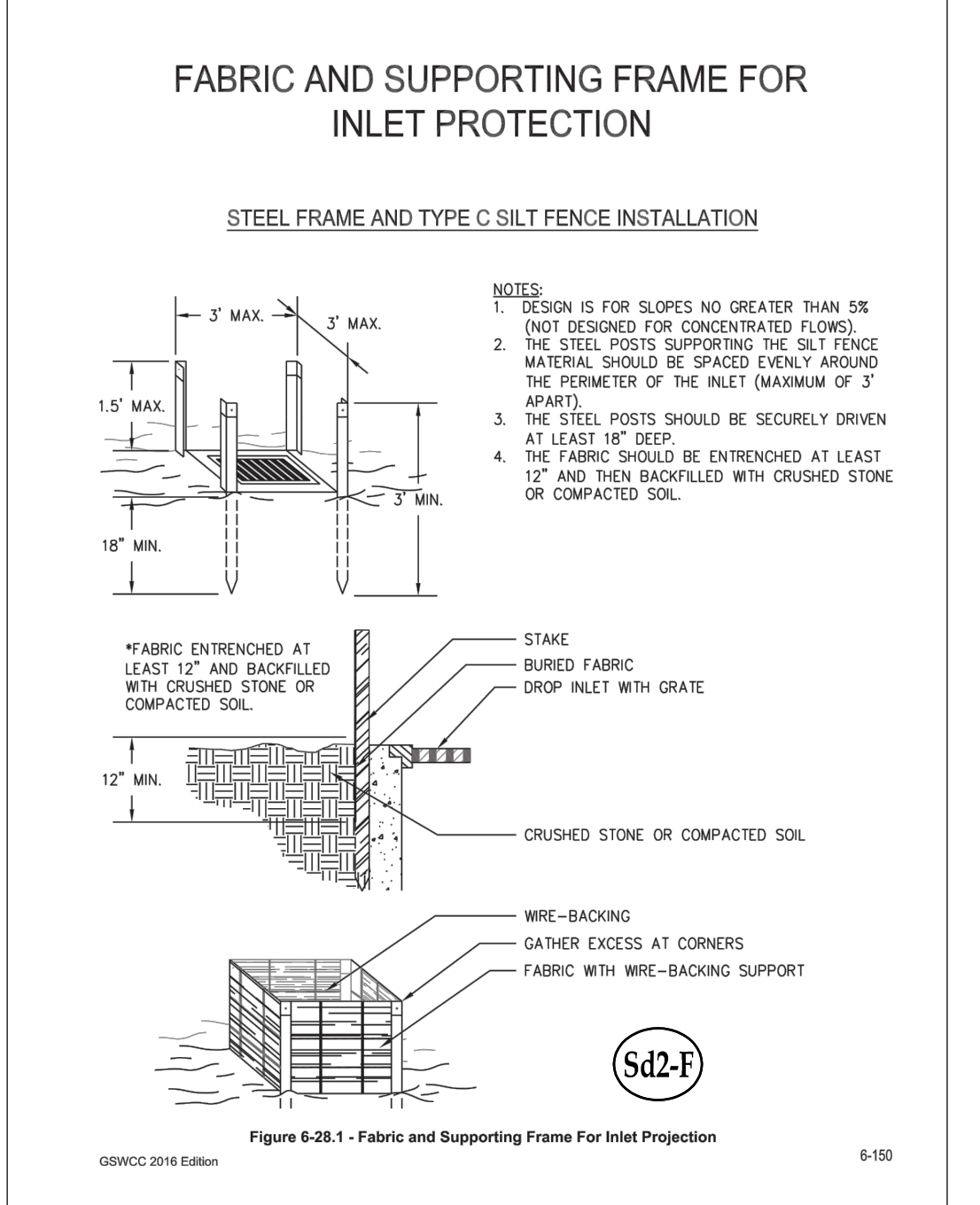


Figure 6-28.44 Riprap Outlet Protection (Modified From VA SWCC)

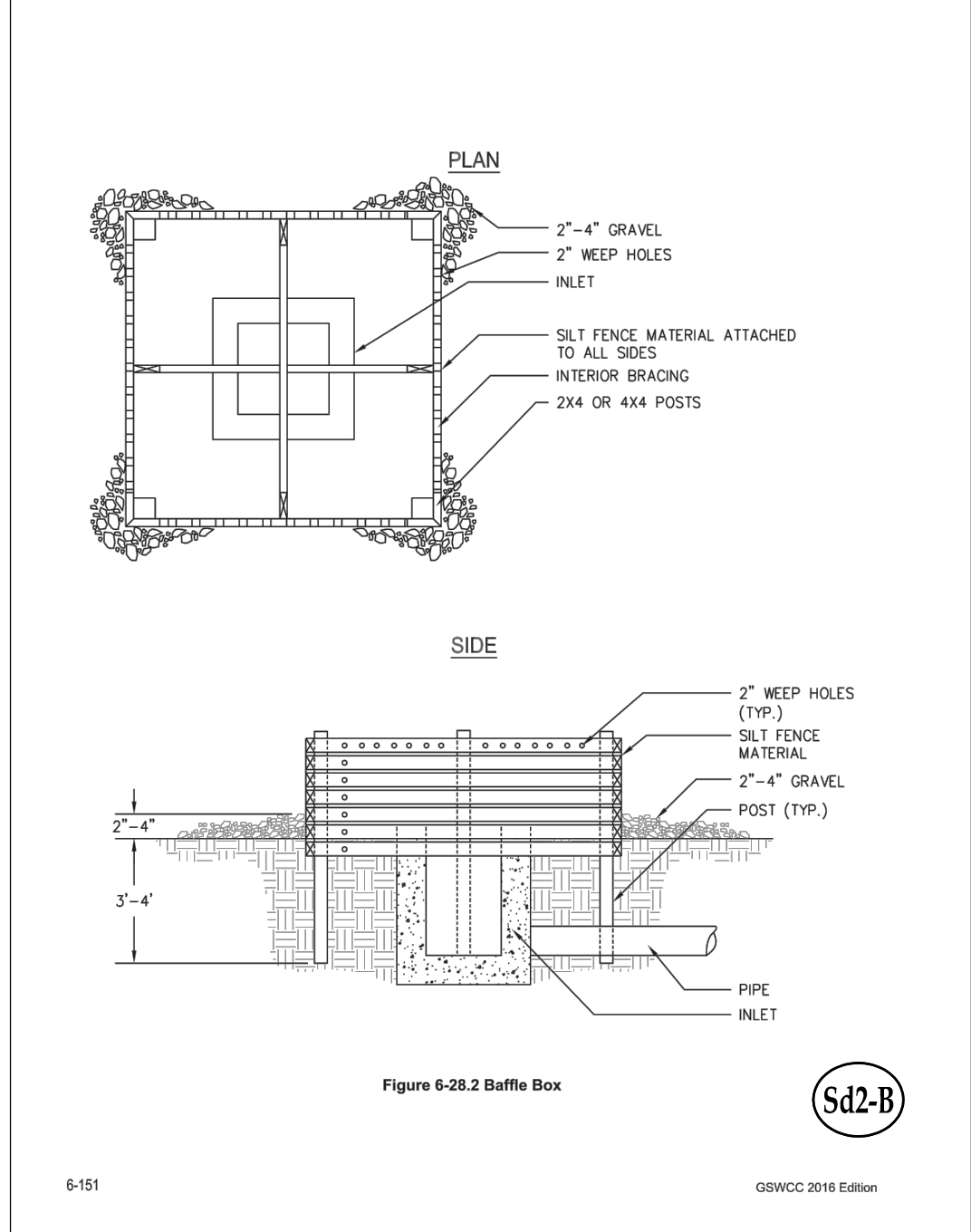


Figure 6-28.45 Riprap Outlet Protection (Modified From VA SWCC)

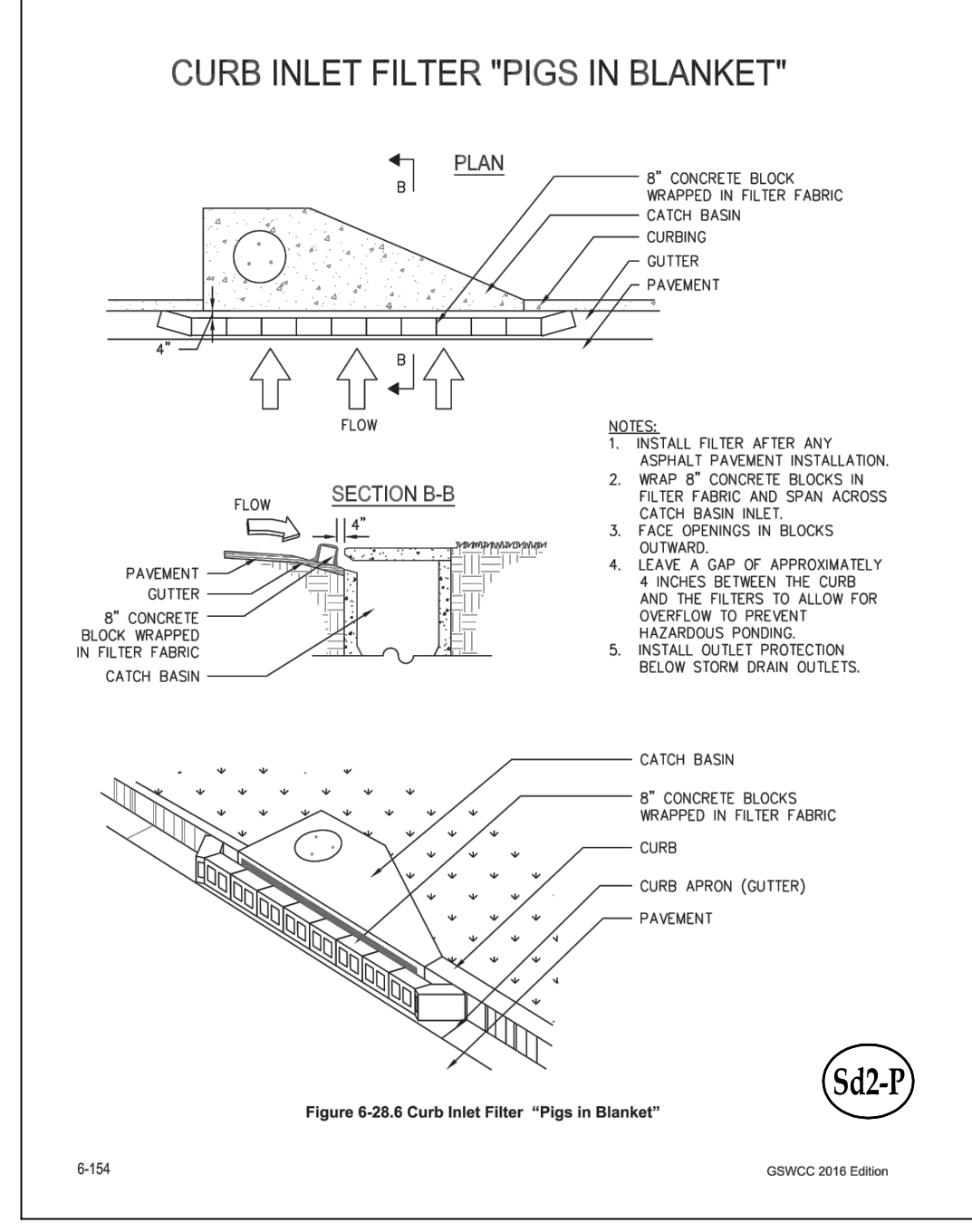


Figure 6-28.46 Riprap Outlet Protection (Modified From VA SWCC)

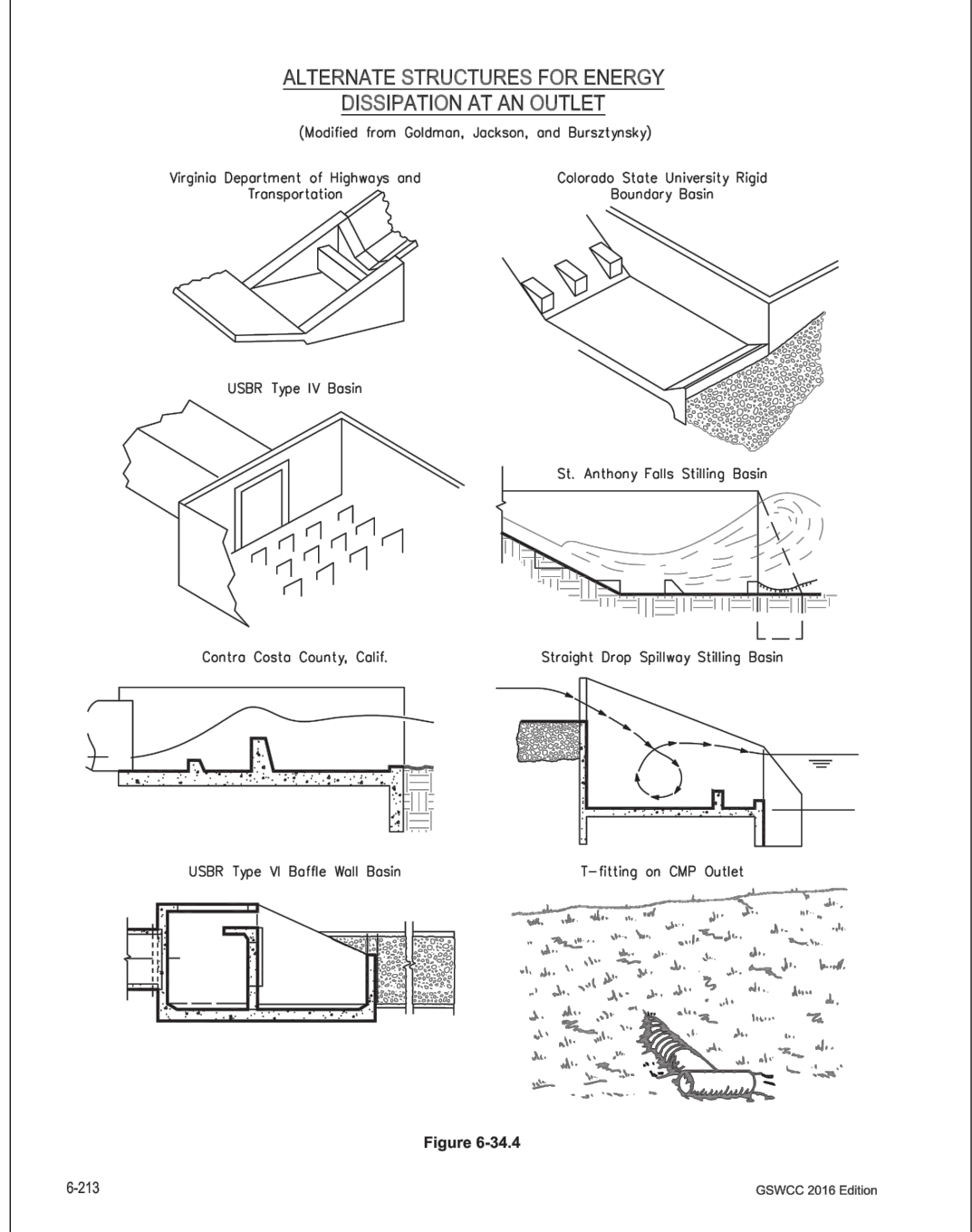


Figure 6-28.47 Riprap Outlet Protection (Modified From VA SWCC)

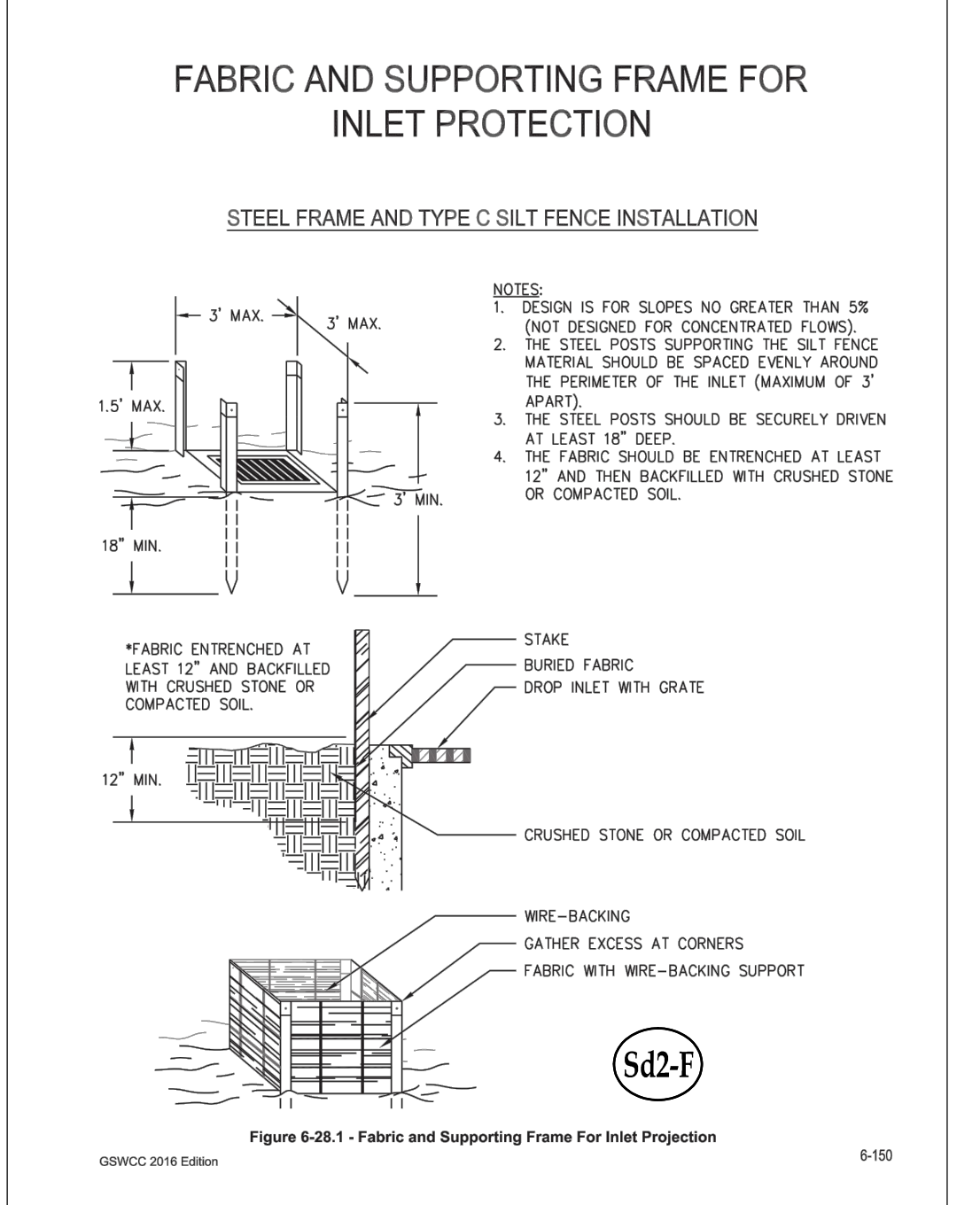


Figure 6-28.48 Riprap Outlet Protection (Modified From VA SWCC)

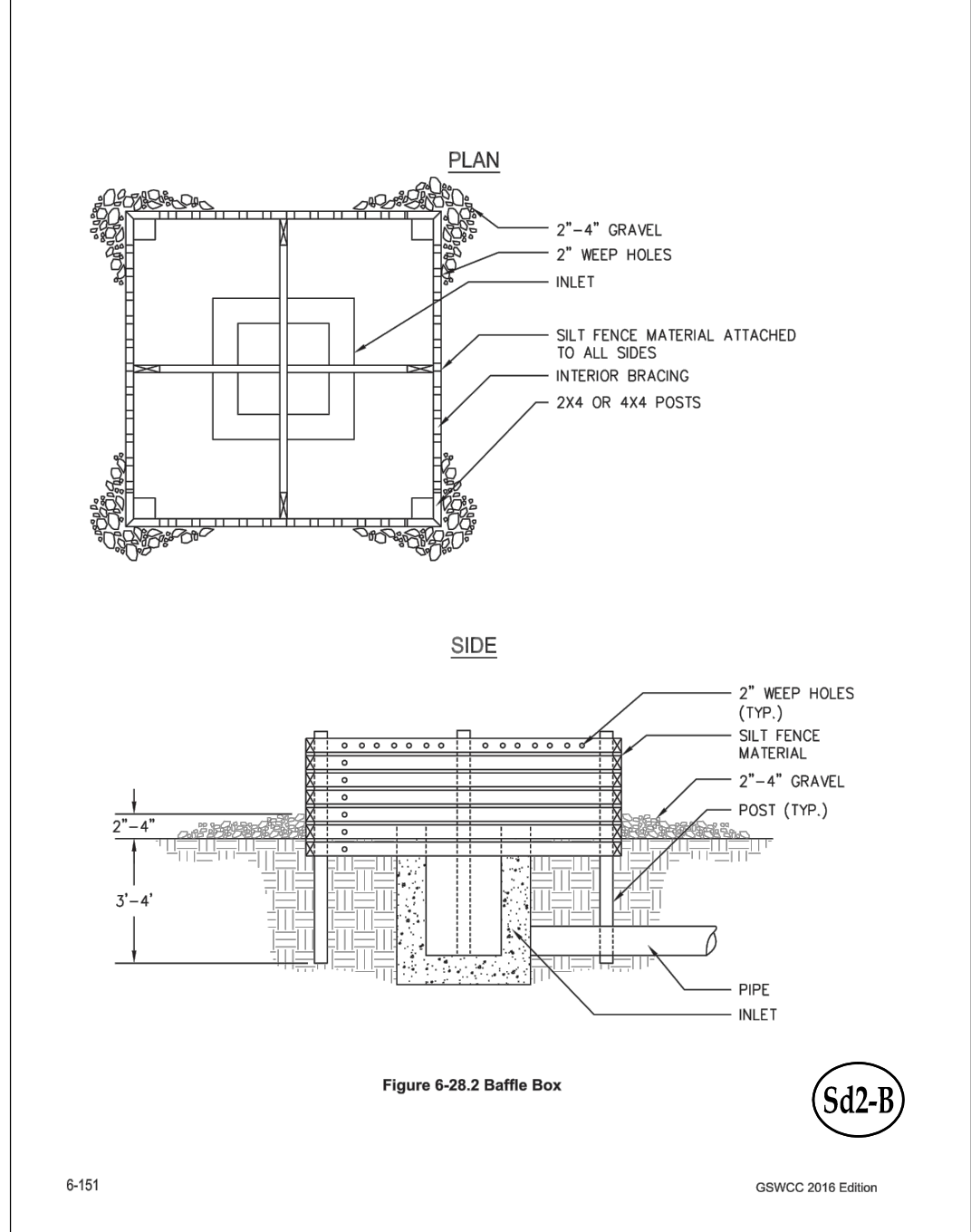


Figure 6-28.49 Riprap Outlet Protection (Modified From VA SWCC)

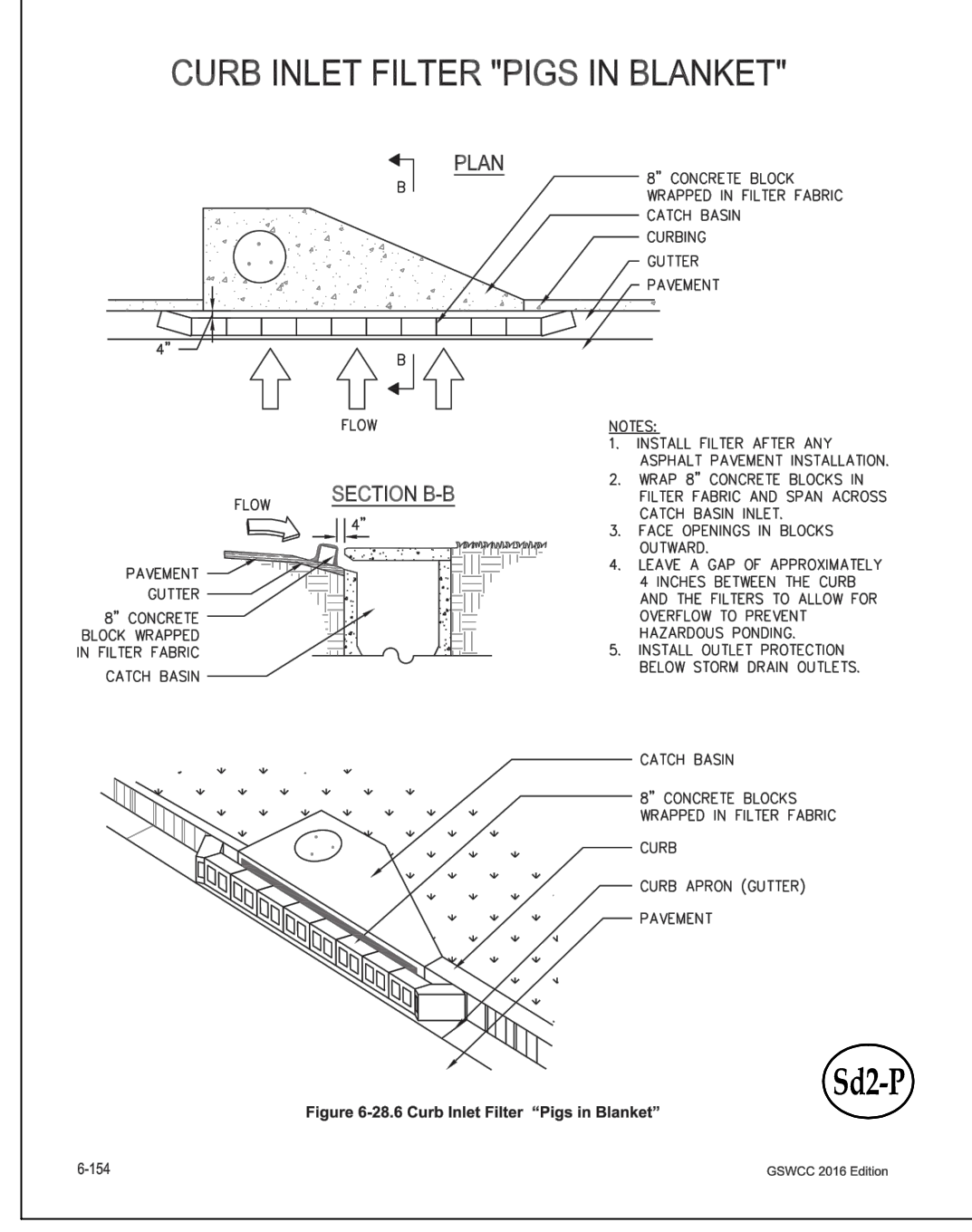


Figure 6-28.50 Riprap Outlet Protection (Modified From VA SWCC)

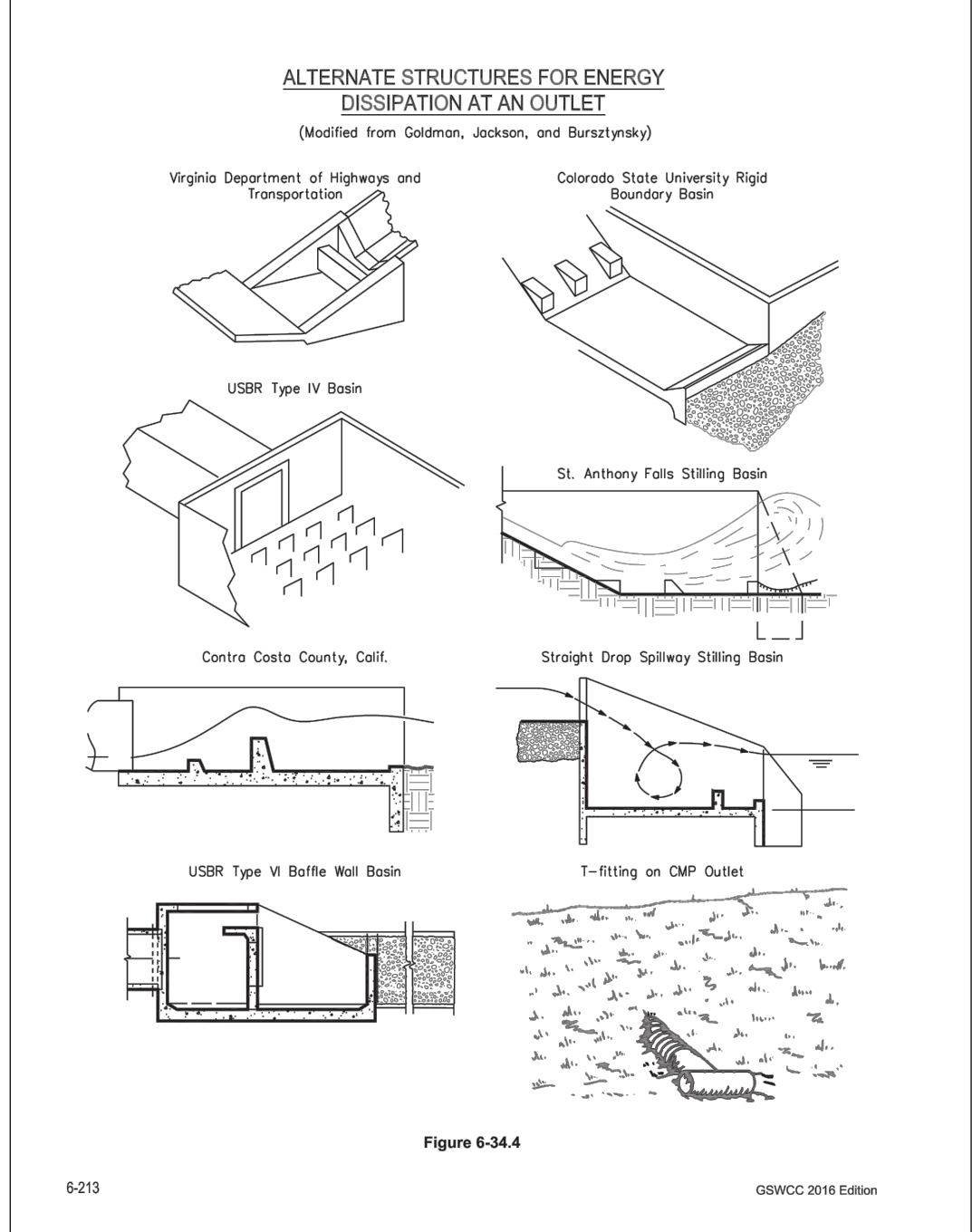


Figure 6-28.51 Riprap Outlet Protection (Modified From VA SWCC)

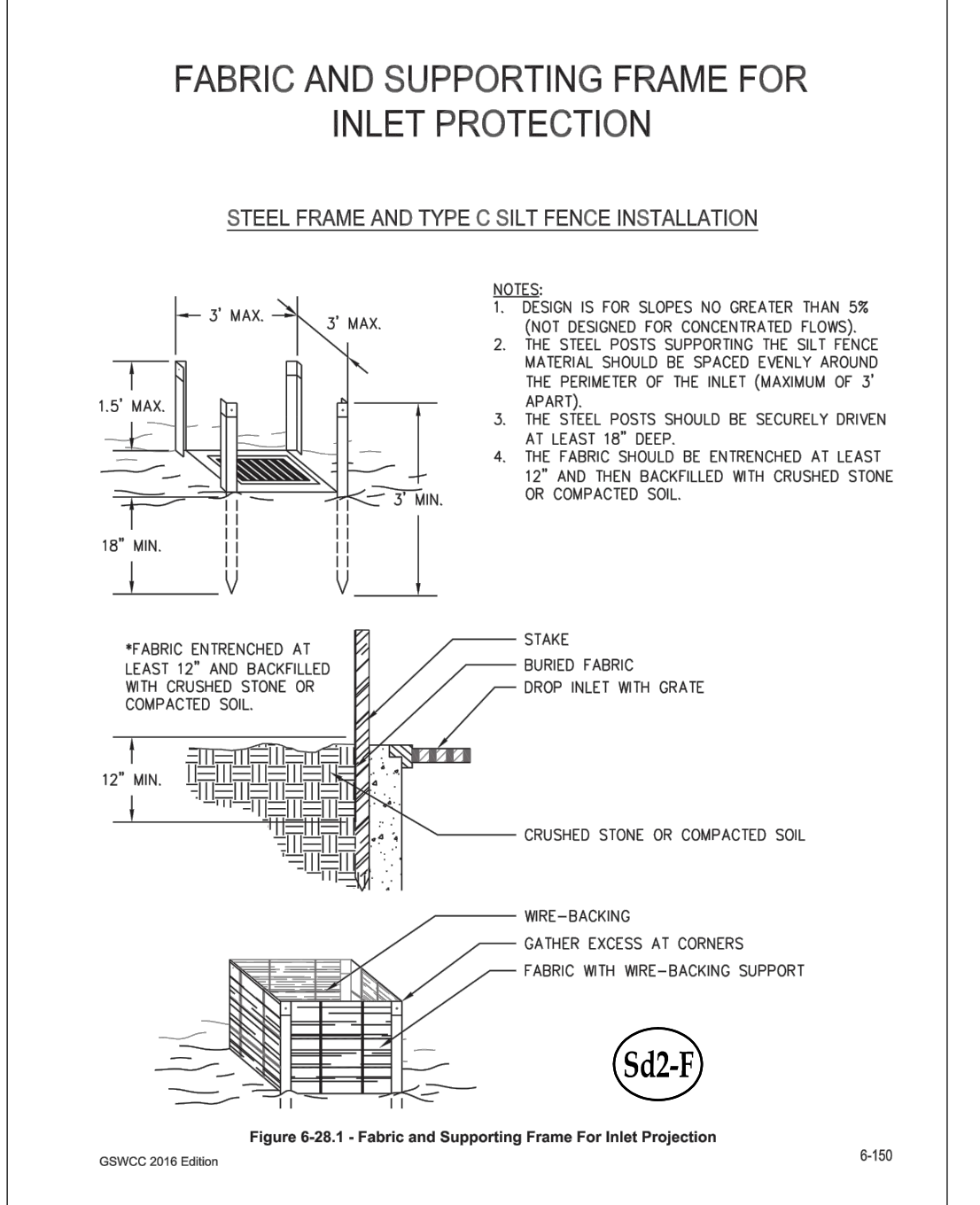


Figure 6-28.52 Riprap Outlet Protection (Modified From VA SWCC)

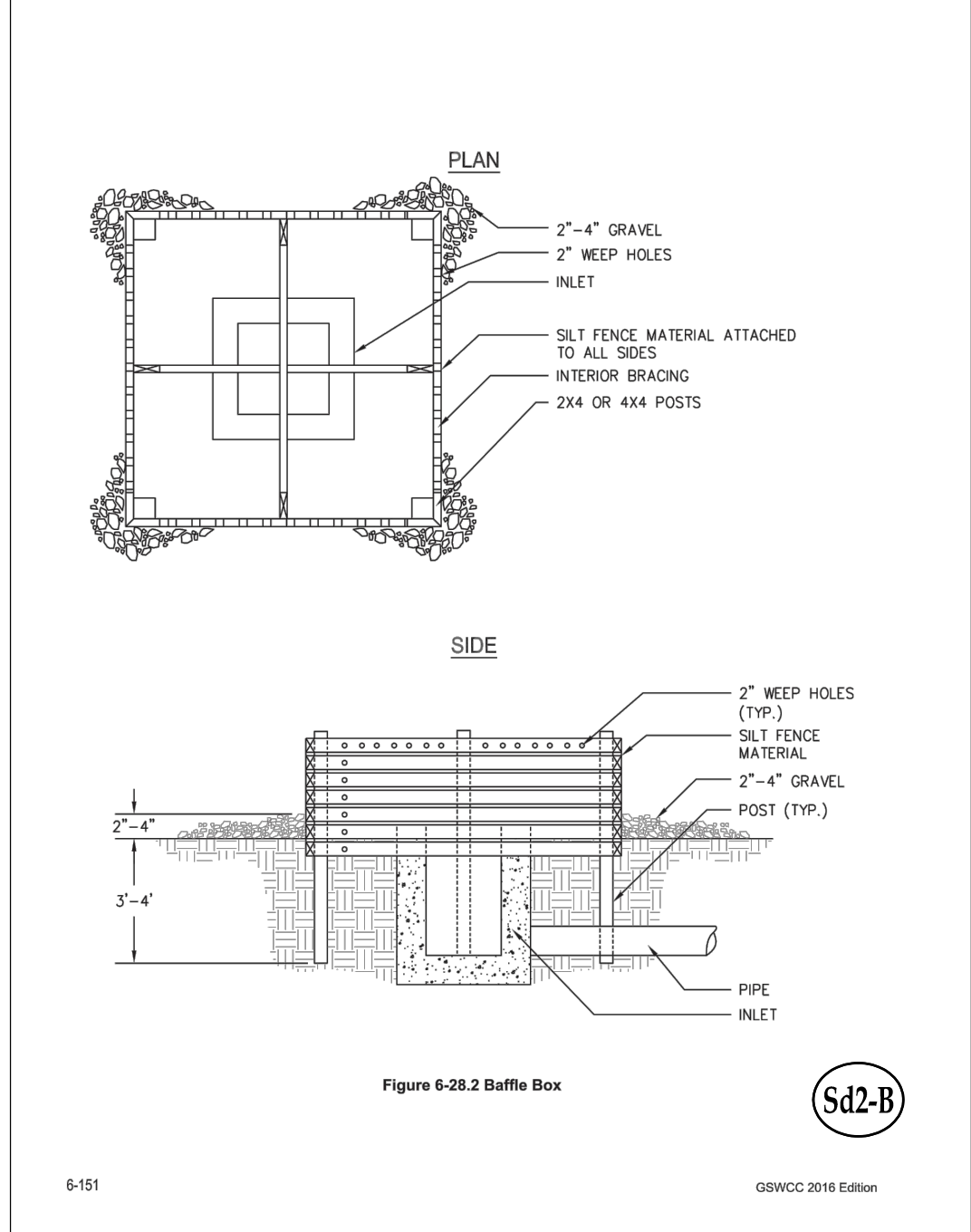


Figure 6-28.53 Riprap Outlet Protection (Modified From VA SWCC)

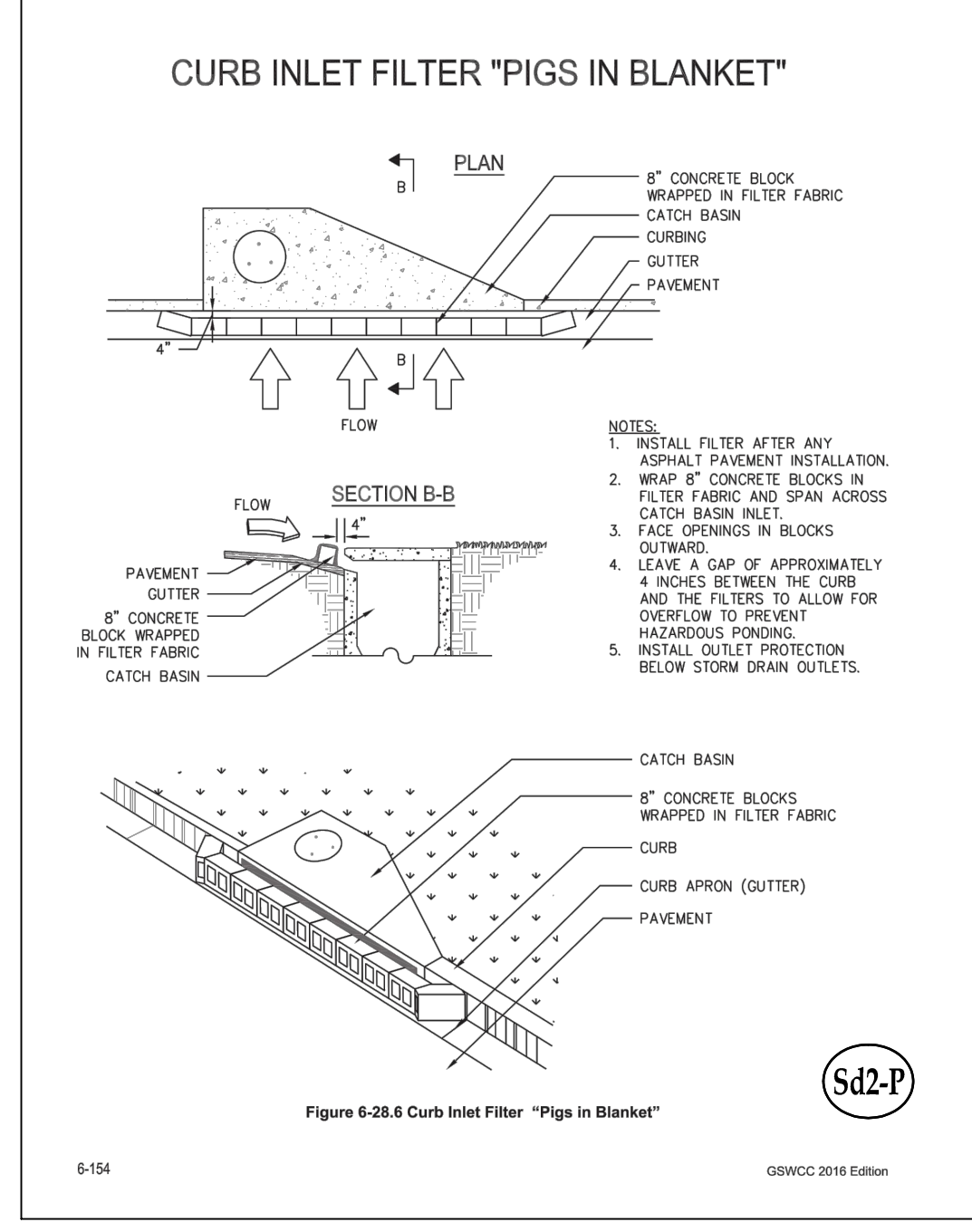


Figure 6-28.54 Riprap Outlet Protection (Modified From VA SWCC)

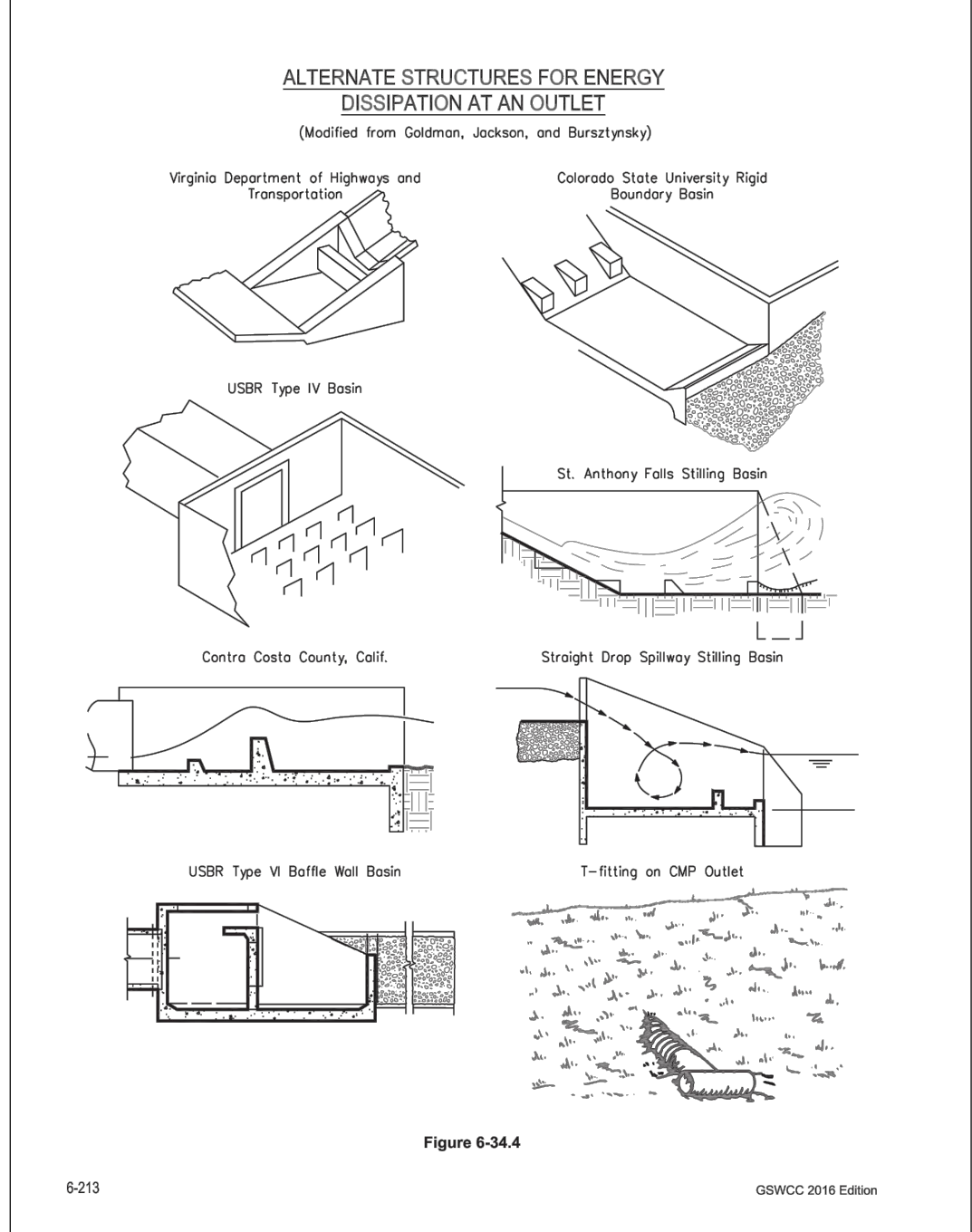


Figure 6-28.55 Riprap Outlet Protection (Modified From VA SWCC)

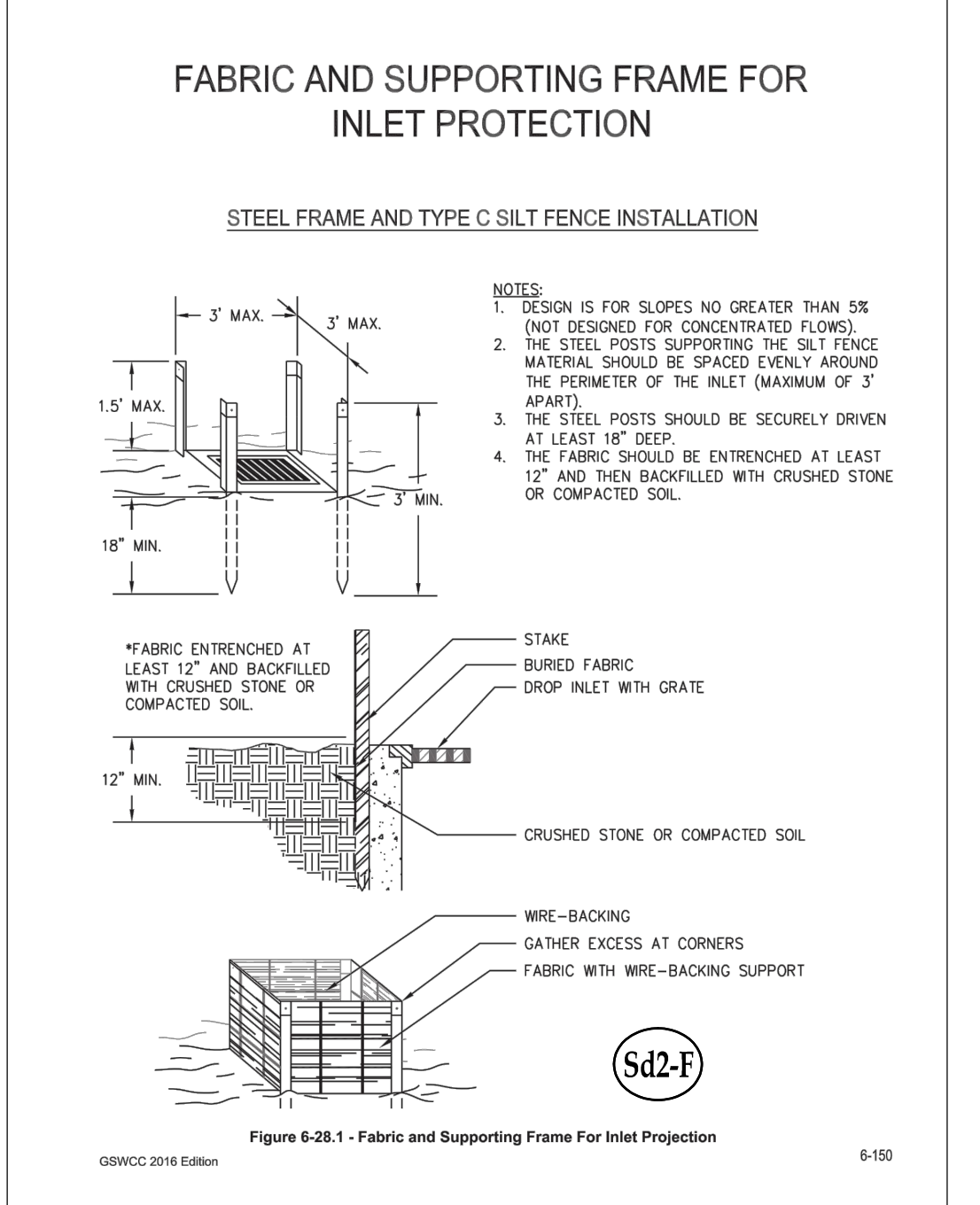


Figure 6-28.56 Riprap Outlet Protection (Modified From VA SWCC)

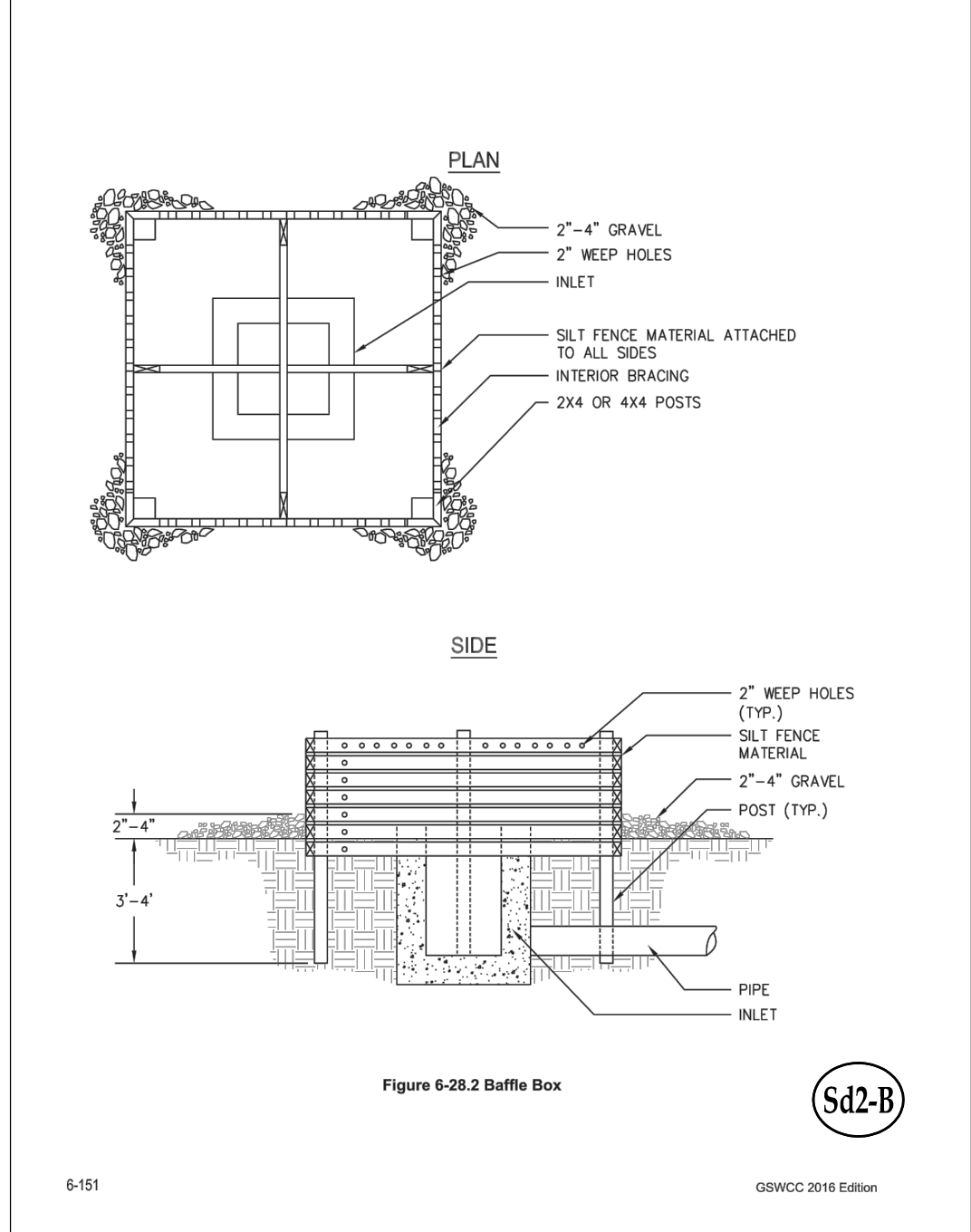


Figure 6-28.57 Riprap Outlet Protection (Modified From VA SWCC)

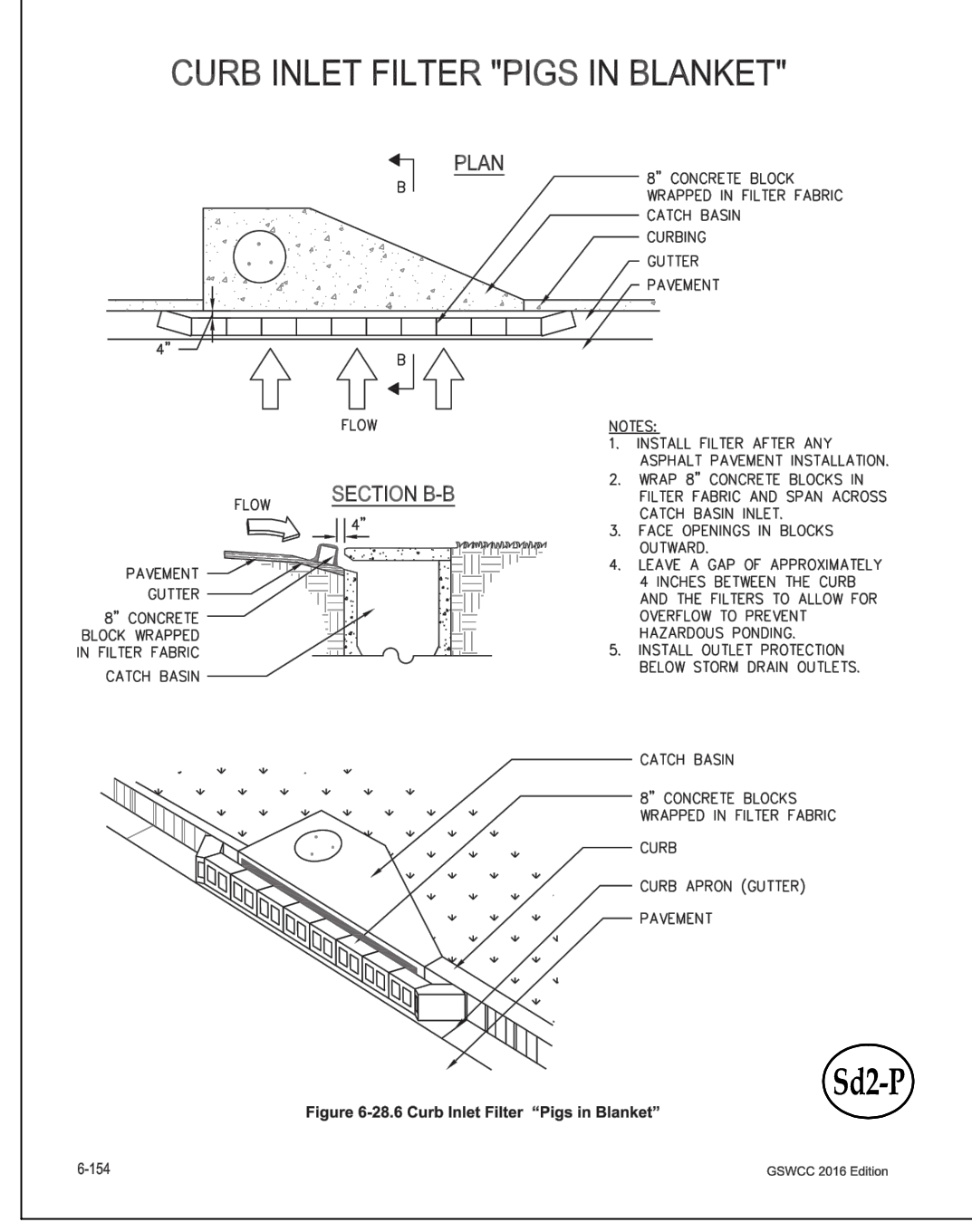


Figure 6-28.58 Riprap Outlet Protection (Modified From VA SWCC)

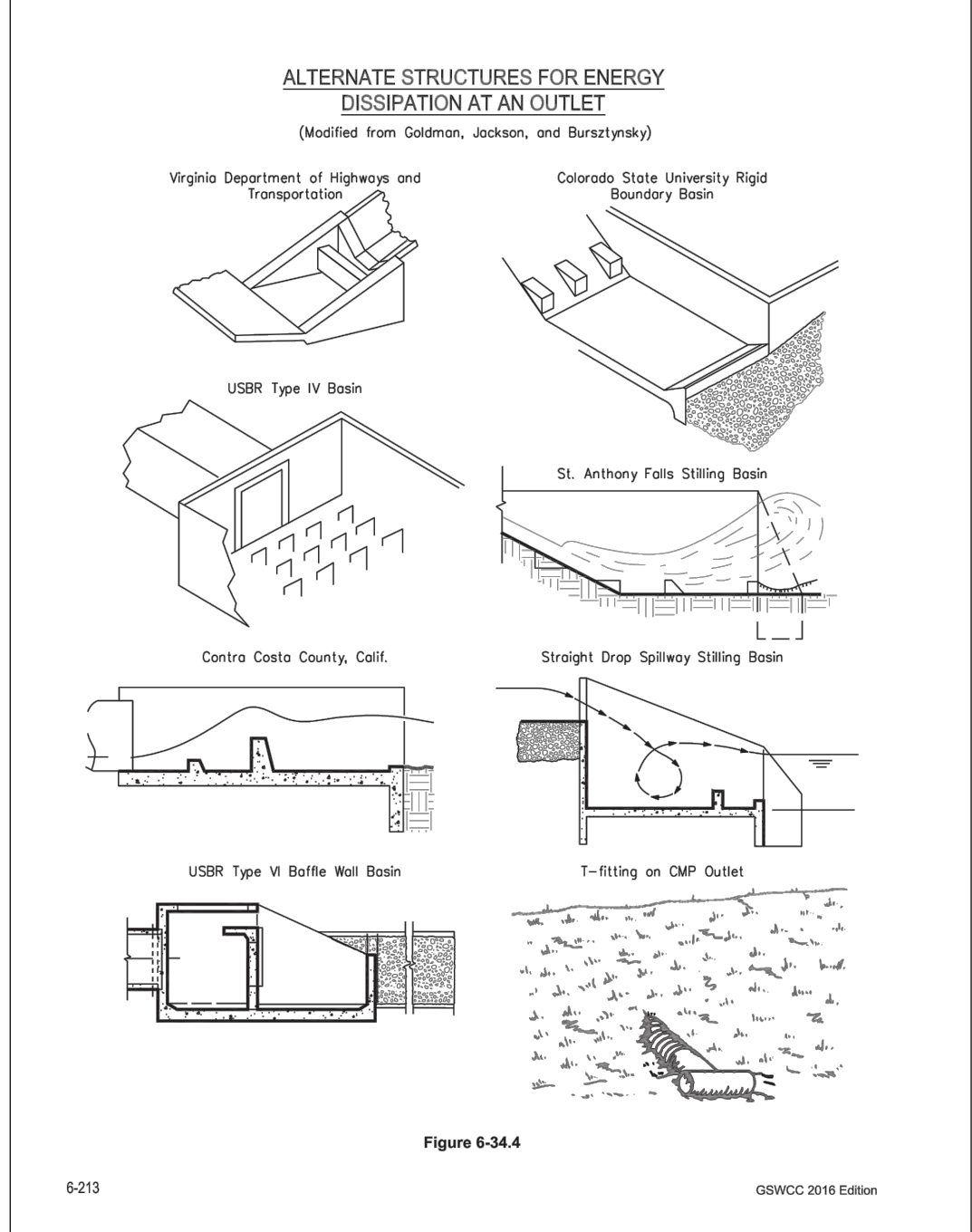


Figure 6-28.59 Riprap Outlet Protection (Modified From VA SWCC)

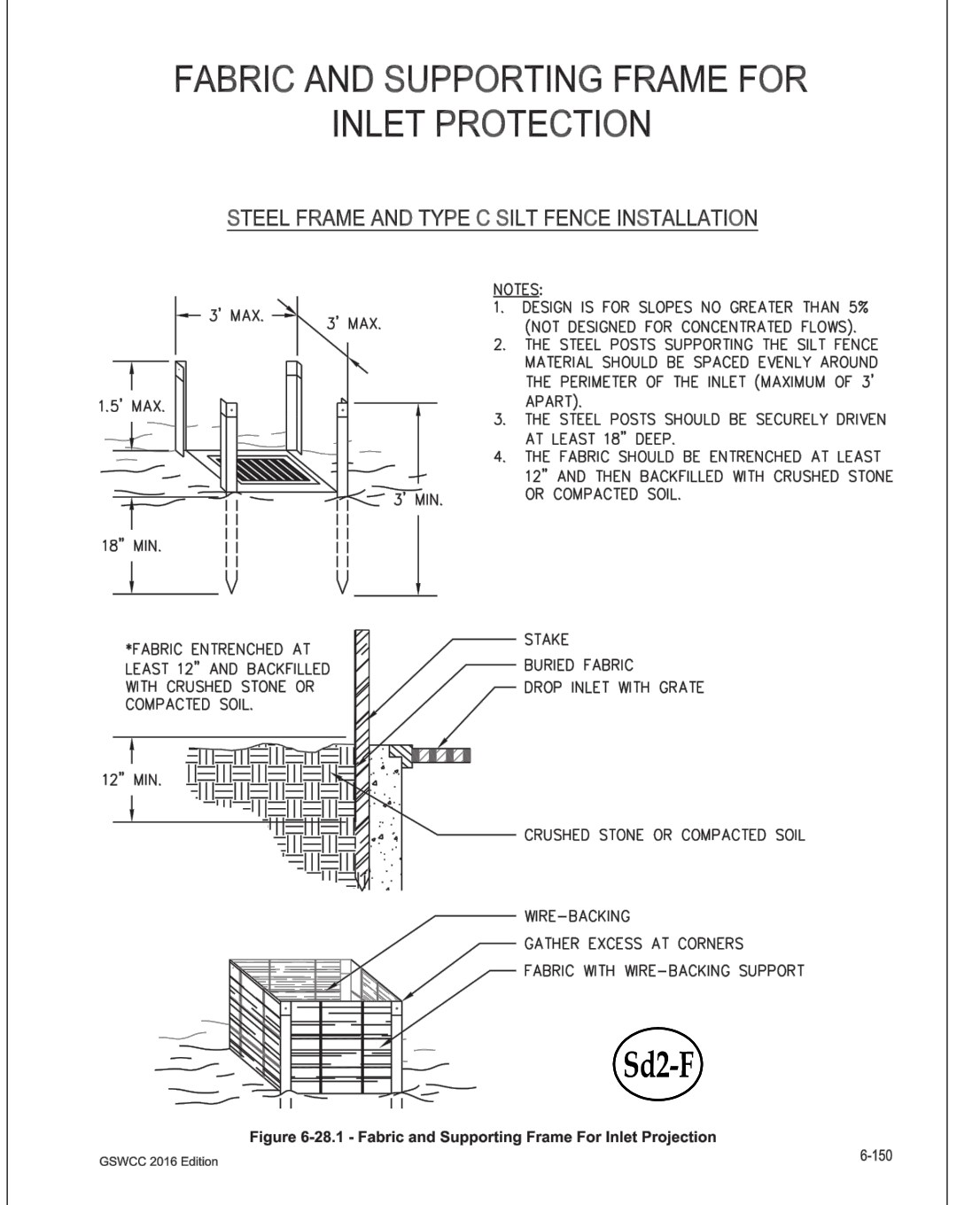


Figure 6-28.60 Riprap Outlet Protection (Modified From VA SWCC)

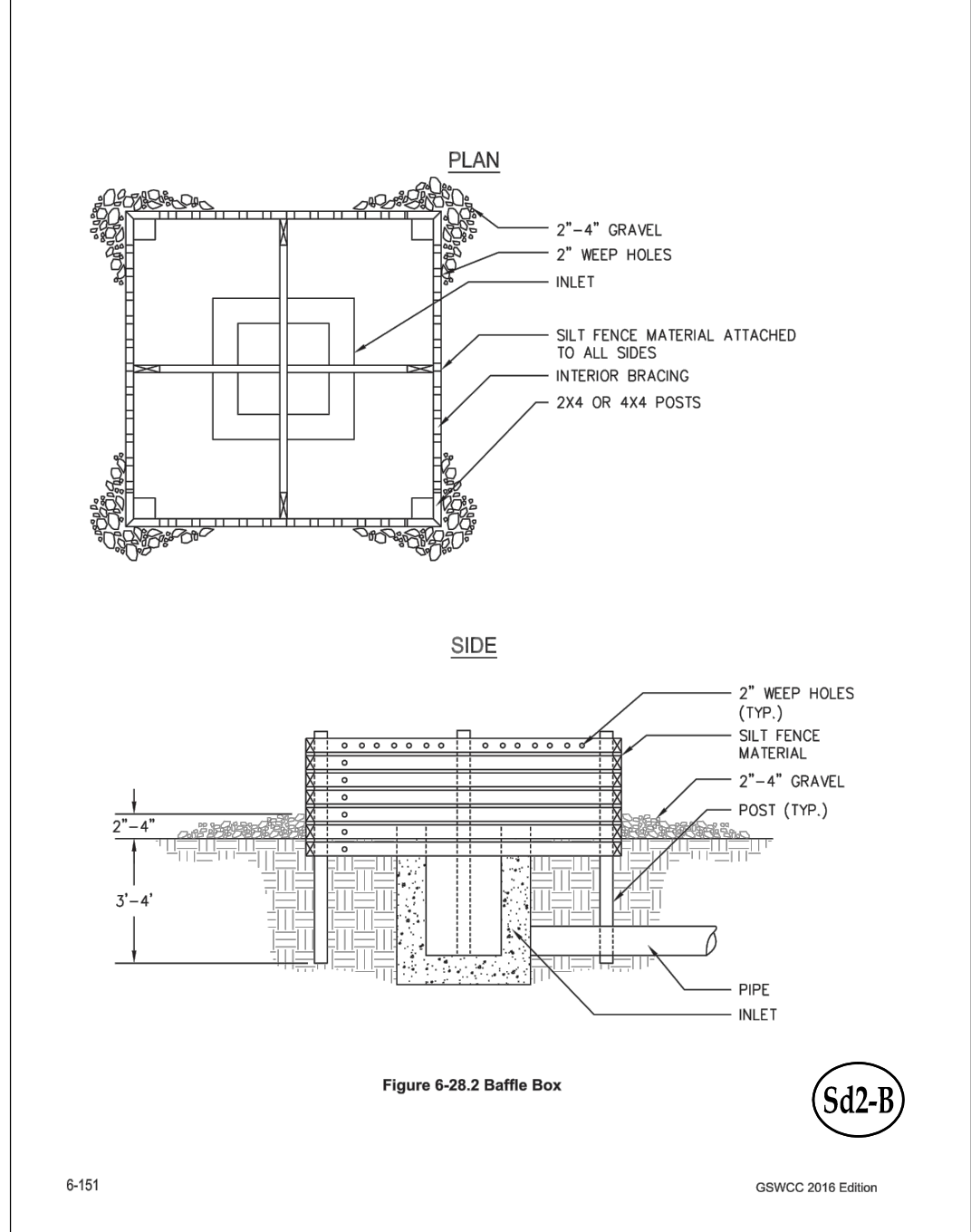


Figure 6-28.61 Riprap Outlet Protection (Modified From VA SWCC)

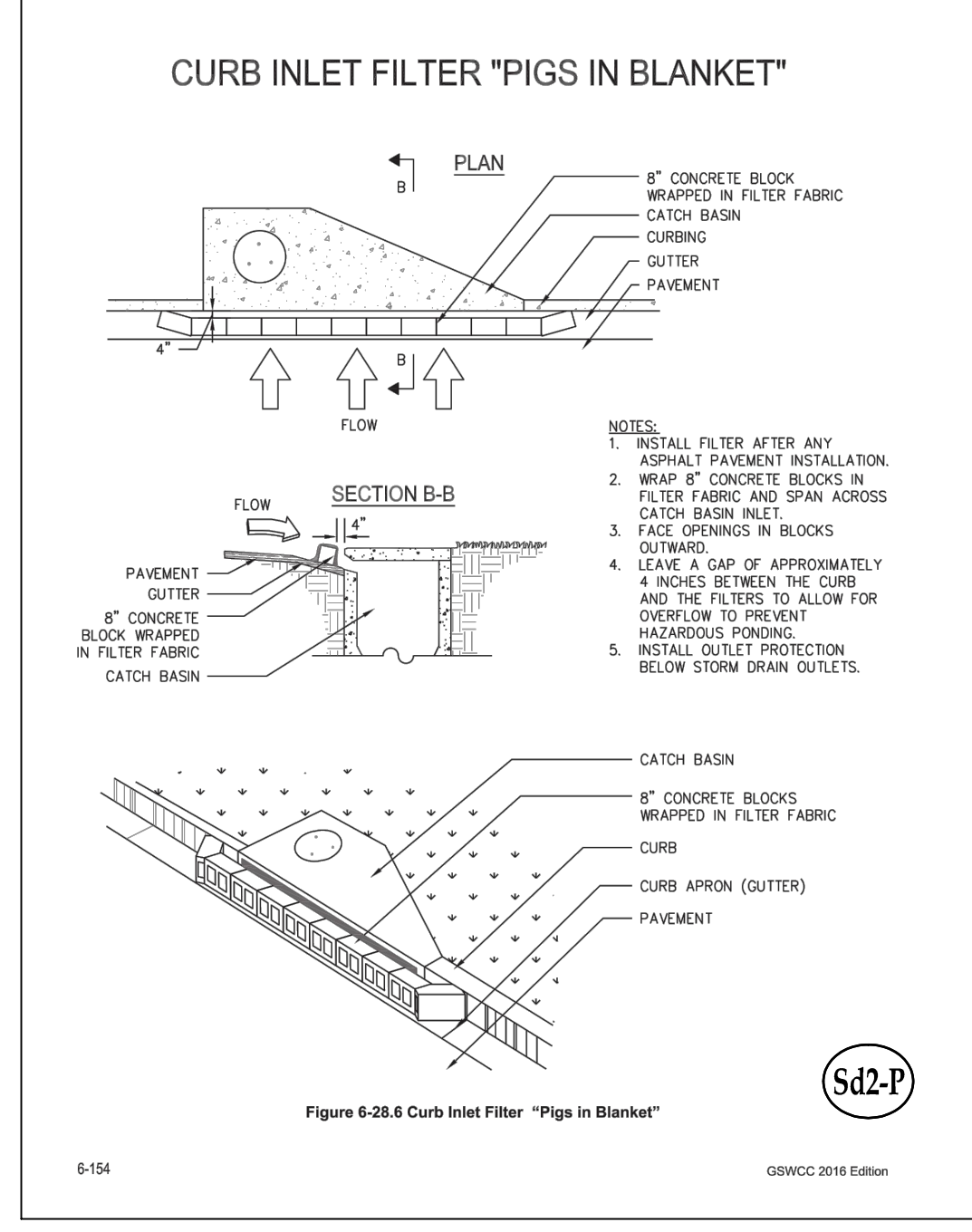


Figure 6-28.62 Riprap Outlet Protection (Modified From VA SWCC)

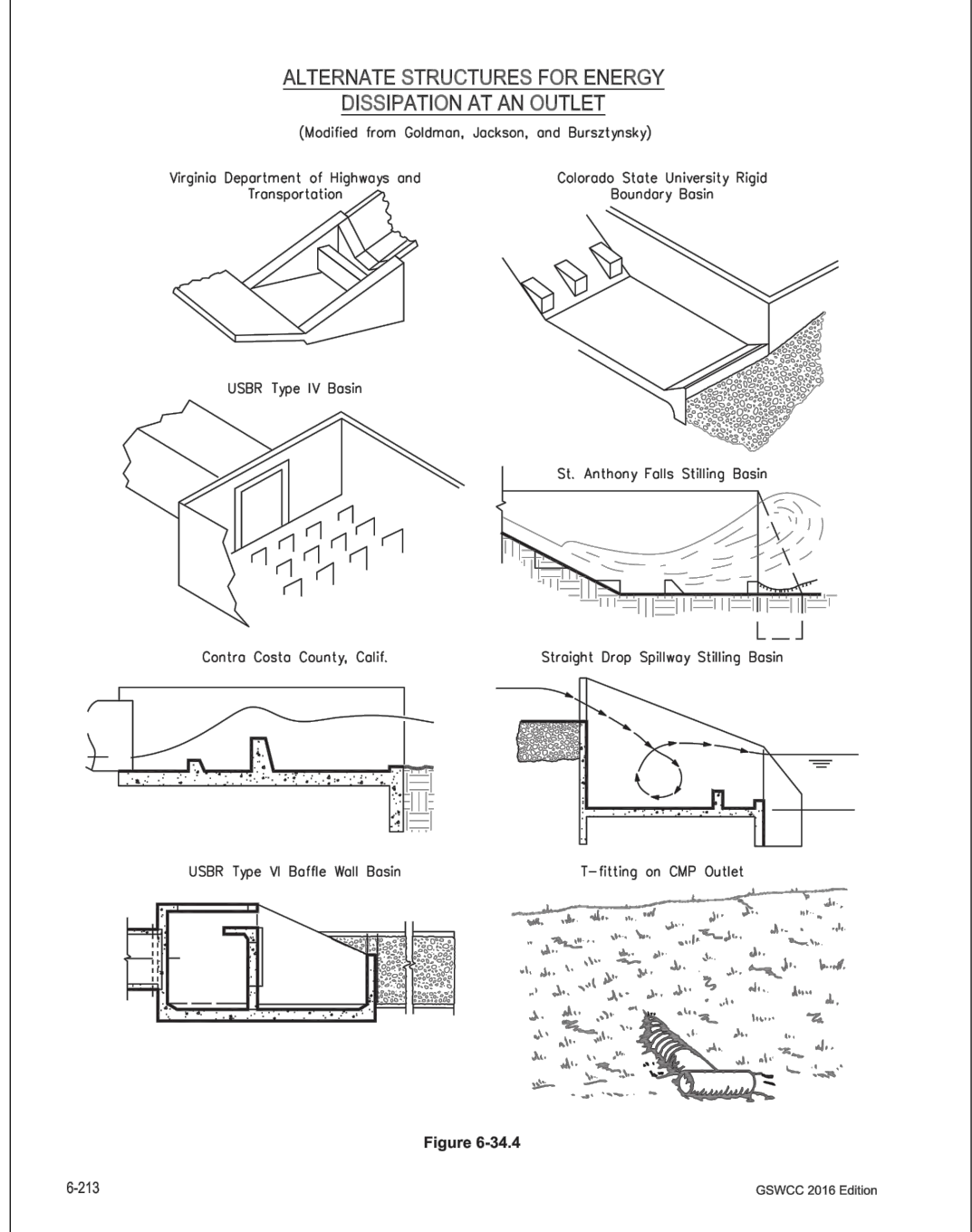


Figure 6-28.63 Riprap Outlet Protection (Modified From VA SWCC)

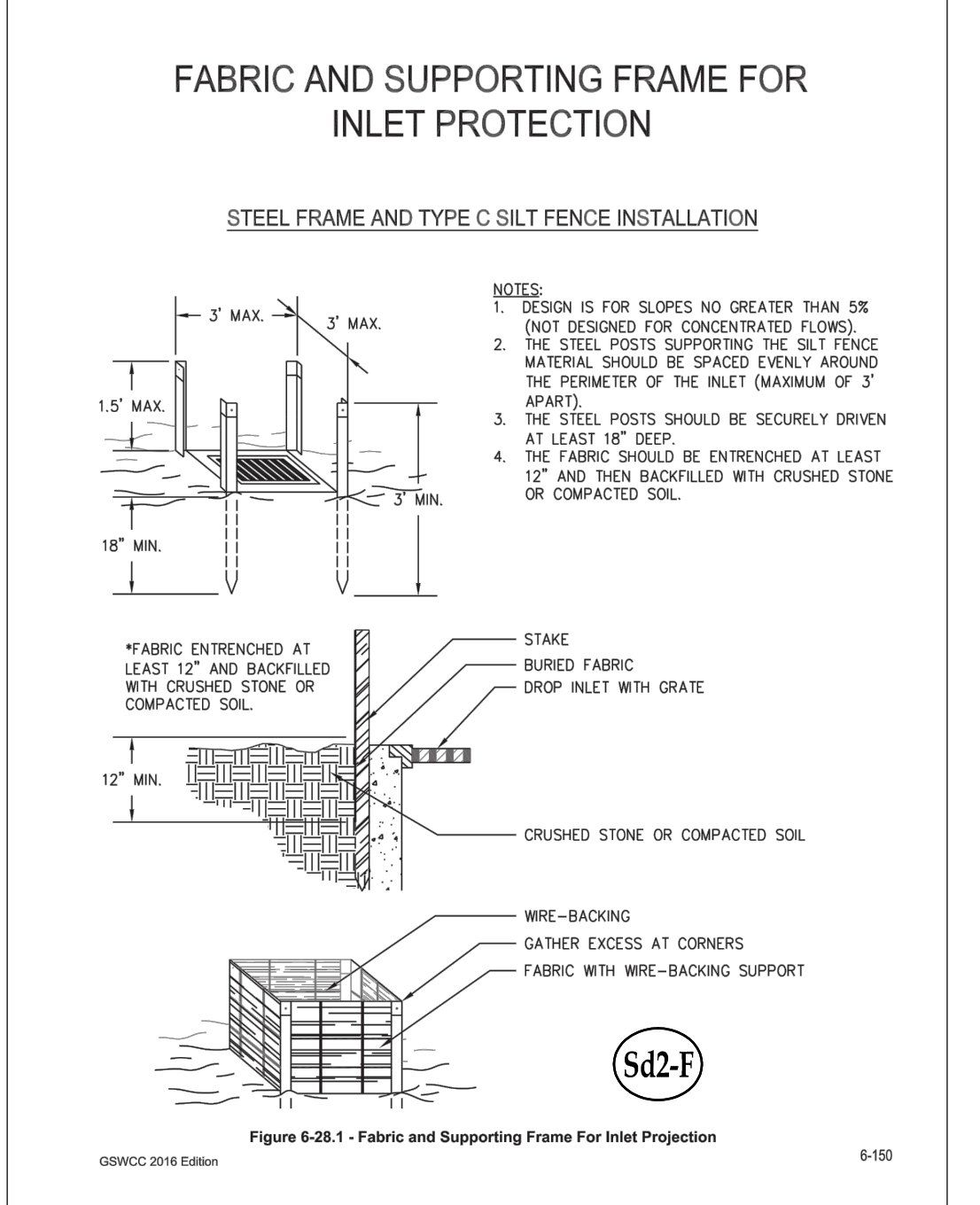


Figure 6-28.64 Riprap Outlet Protection (Modified From VA SWCC)

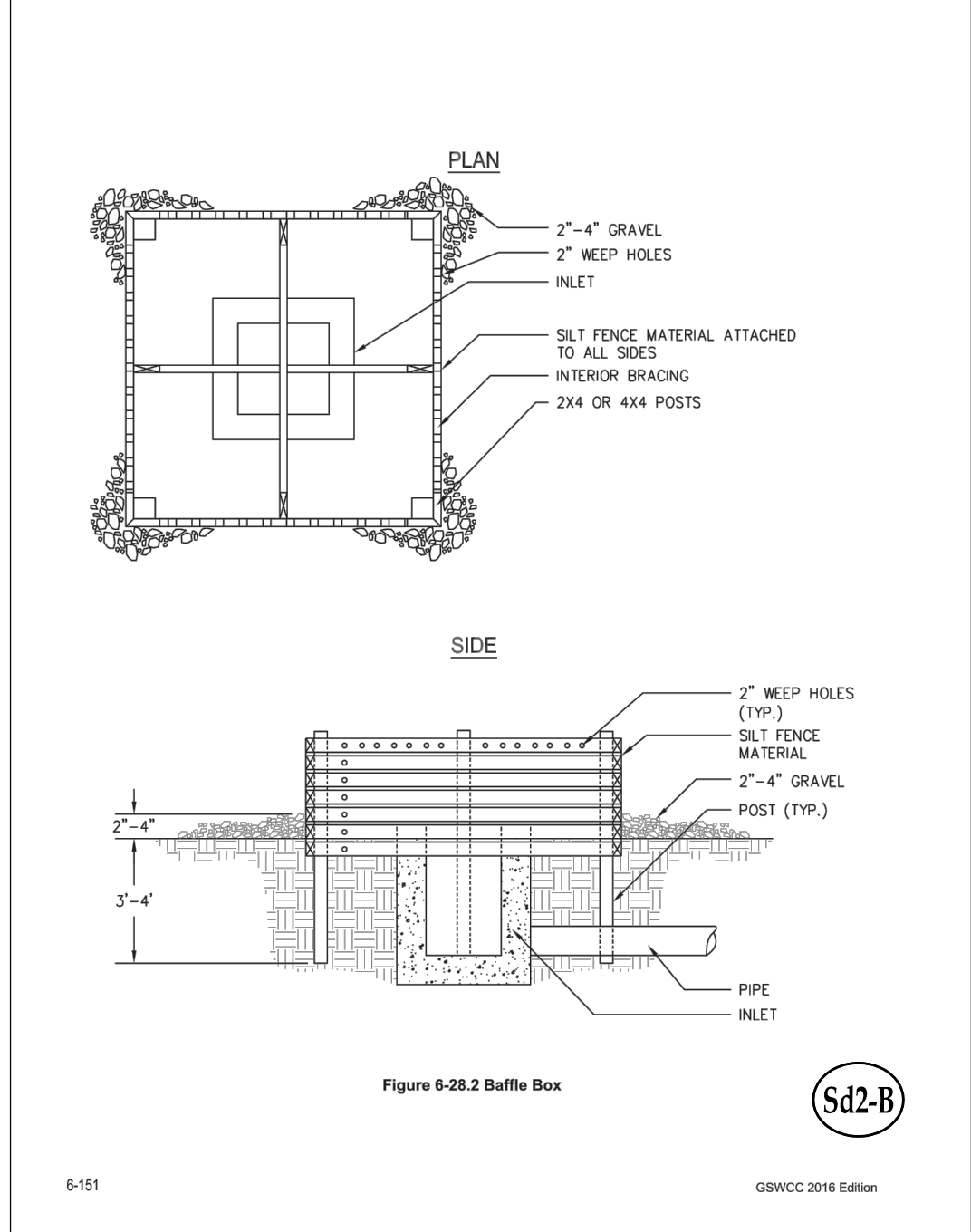


Figure 6-28.65 Riprap Outlet Protection (Modified From VA SWCC)

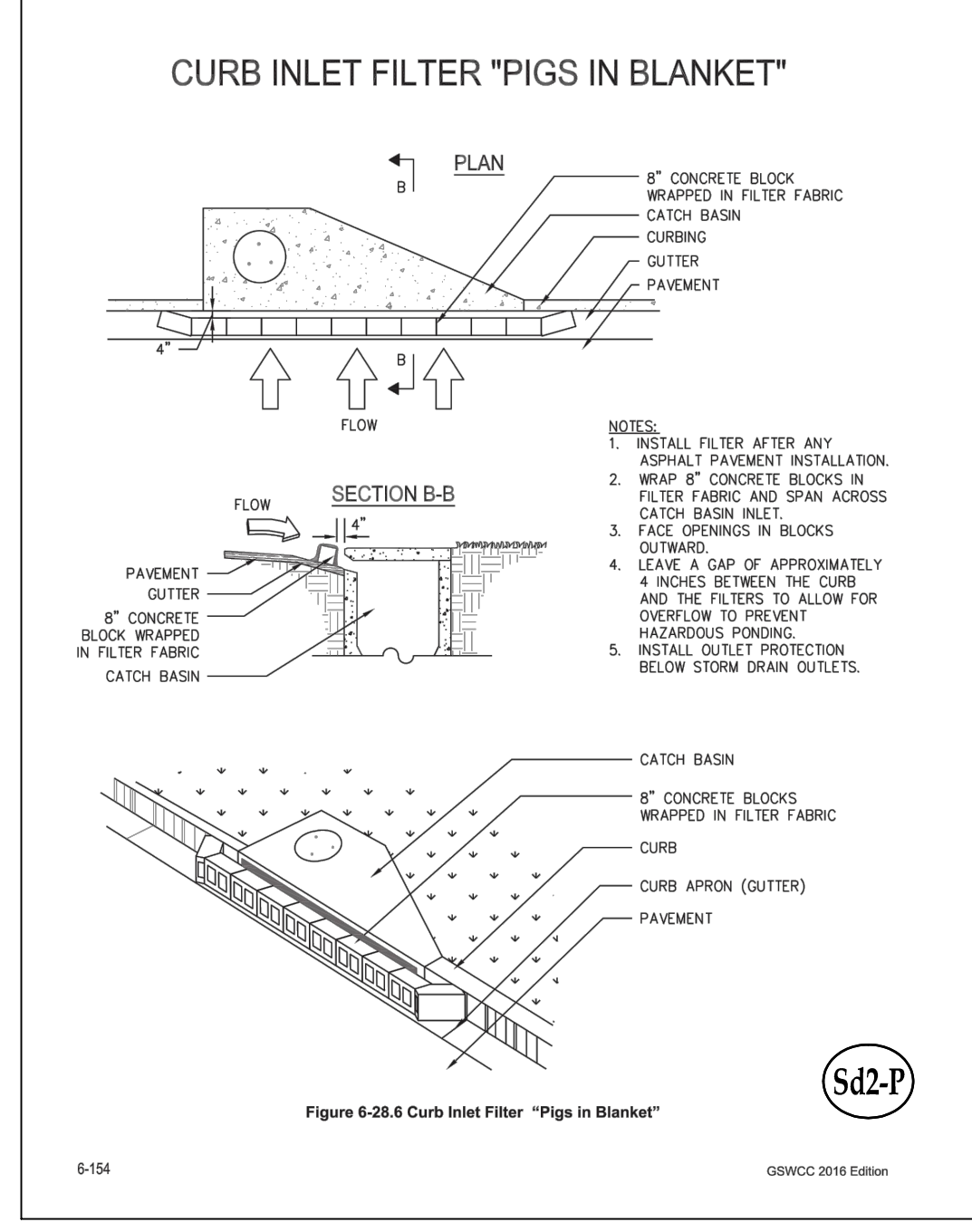


Figure 6-28.66 Riprap Outlet Protection (Modified From VA SWCC)

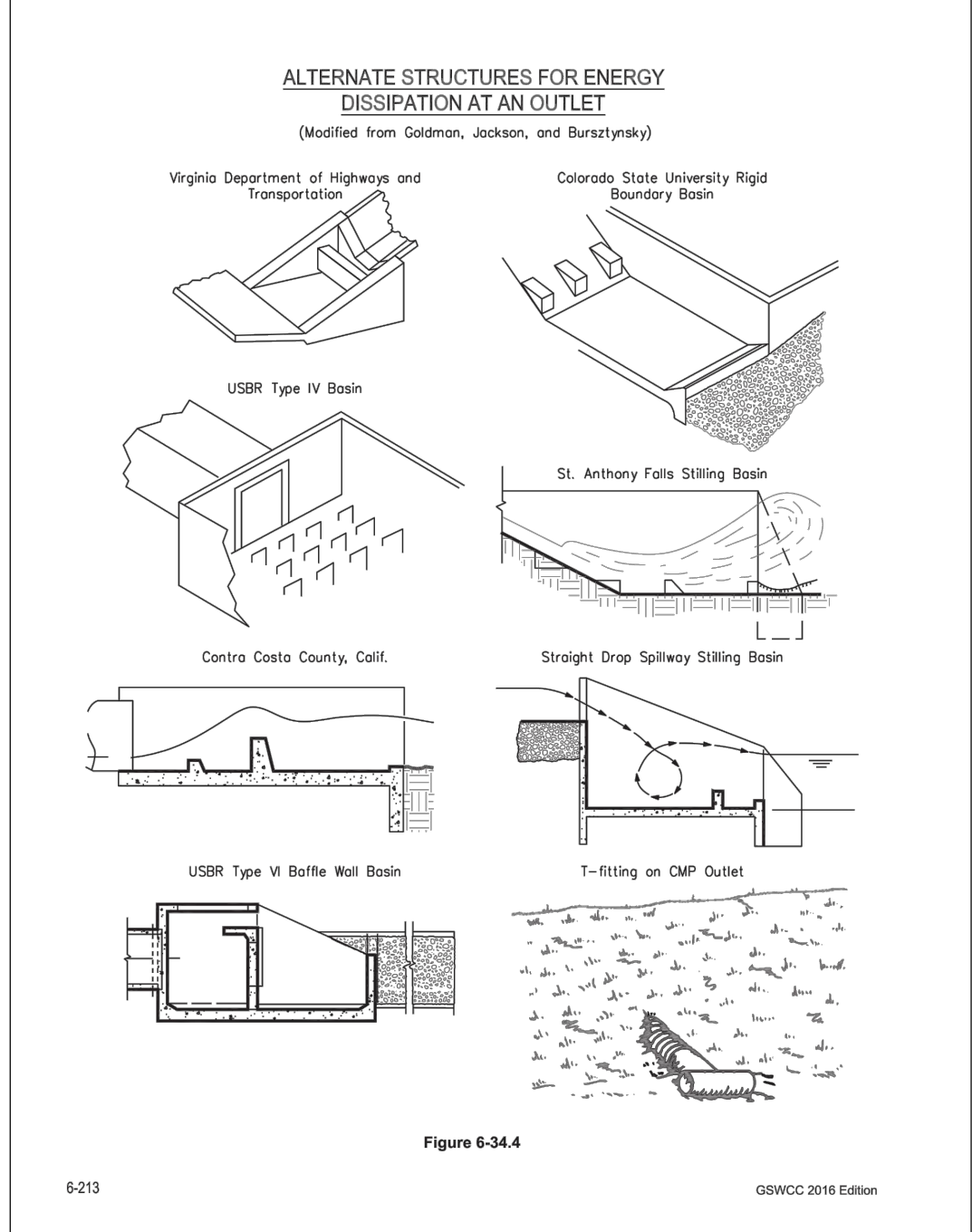


Figure 6-28.67 Riprap Outlet Protection (Modified From VA SWCC)

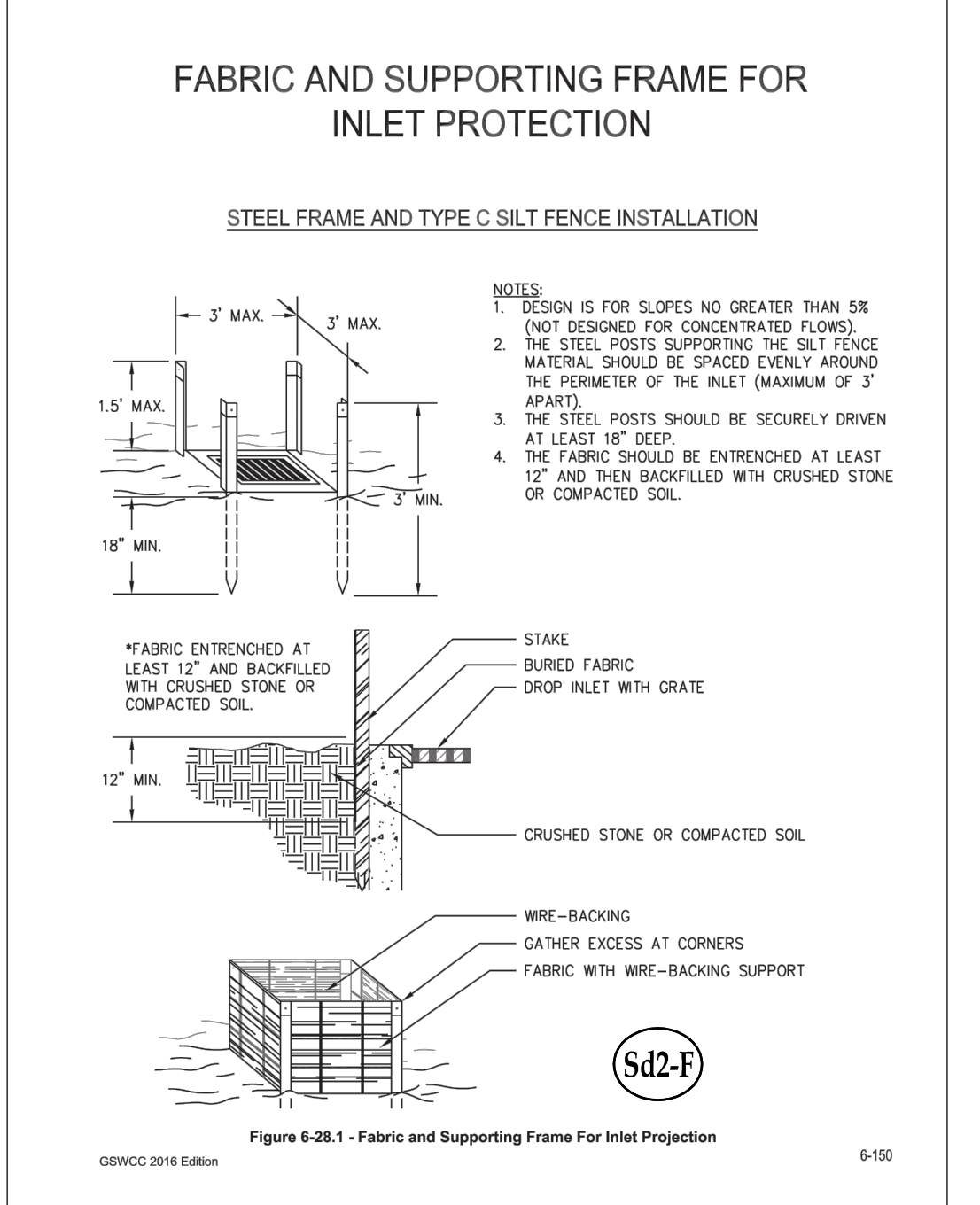


Figure 6-28.68 Riprap Outlet Protection (Modified From VA SWCC)

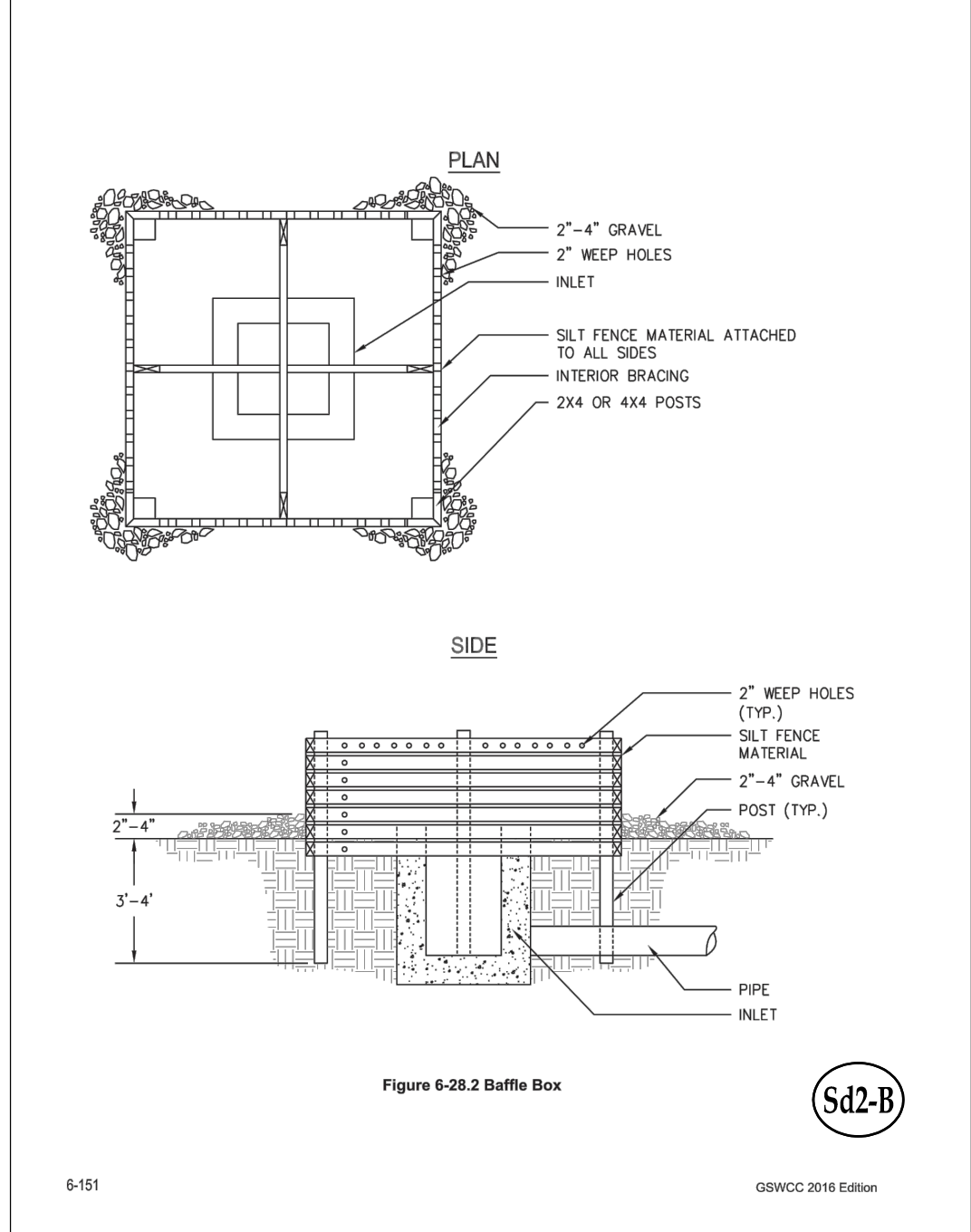


Figure 6-28.69 Riprap Outlet Protection (Modified From VA SWCC)

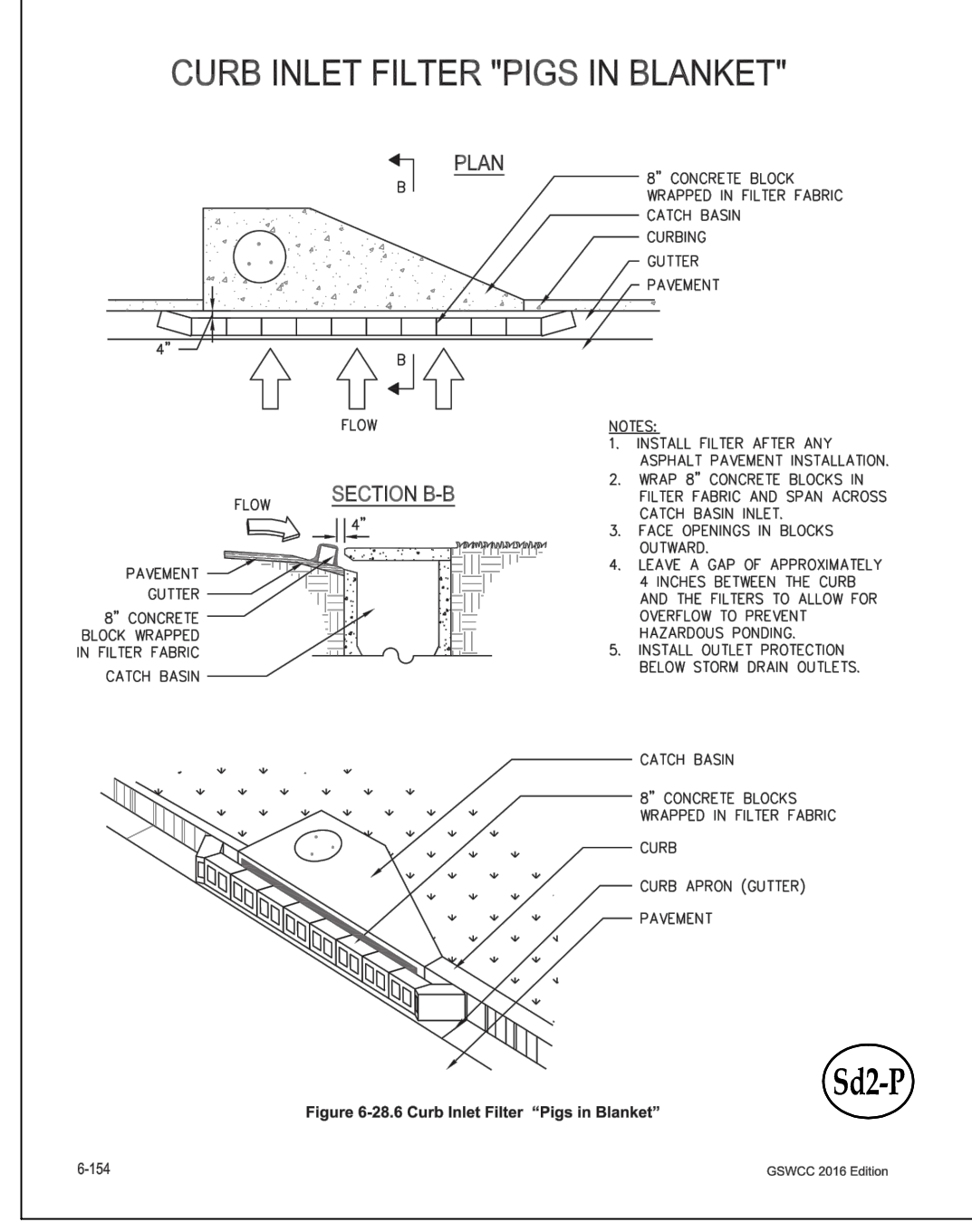


Figure 6-28.70 Riprap Outlet Protection (Modified From VA SWCC)

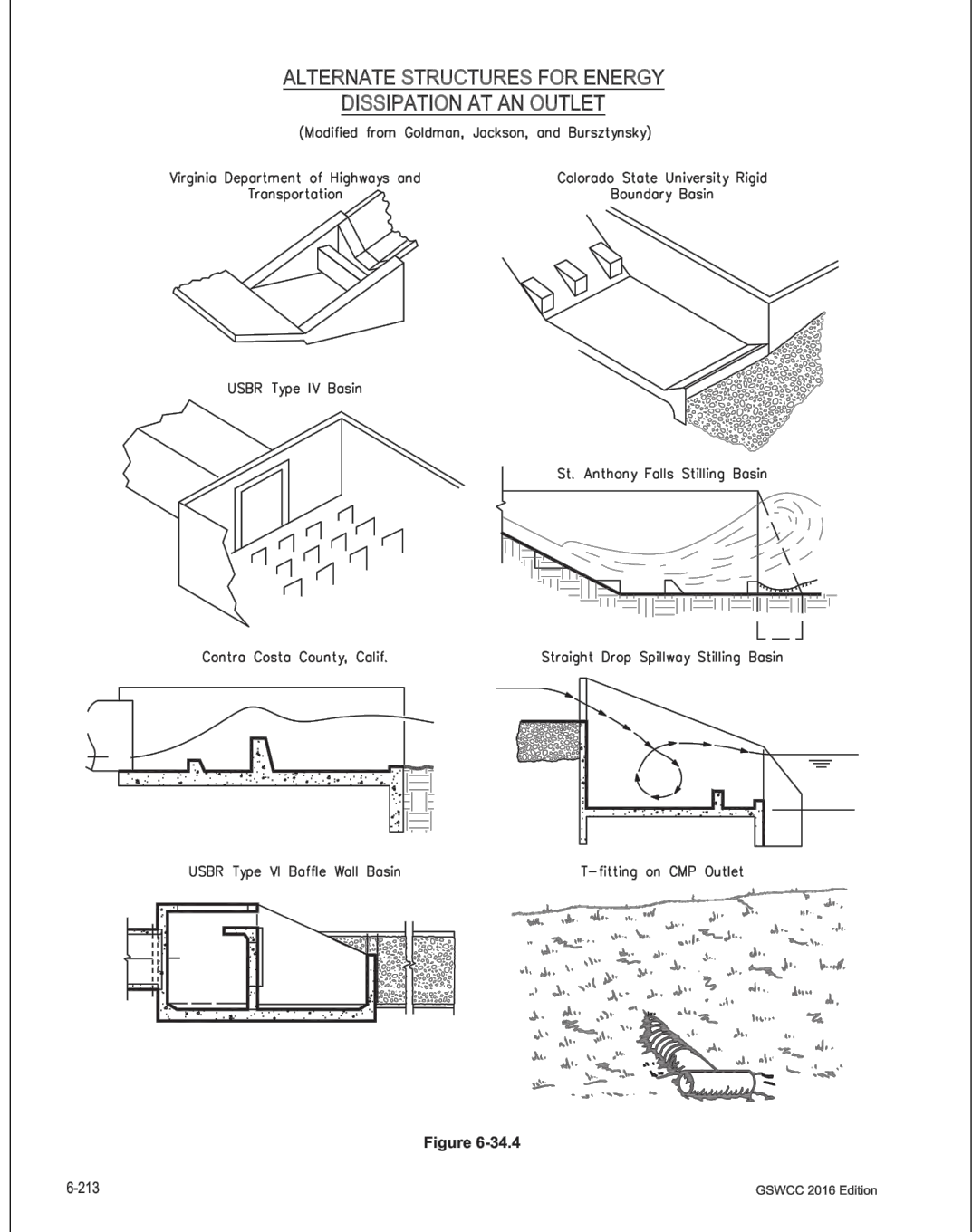


Figure 6-28.71 Riprap Outlet Protection (Modified From VA SWCC)

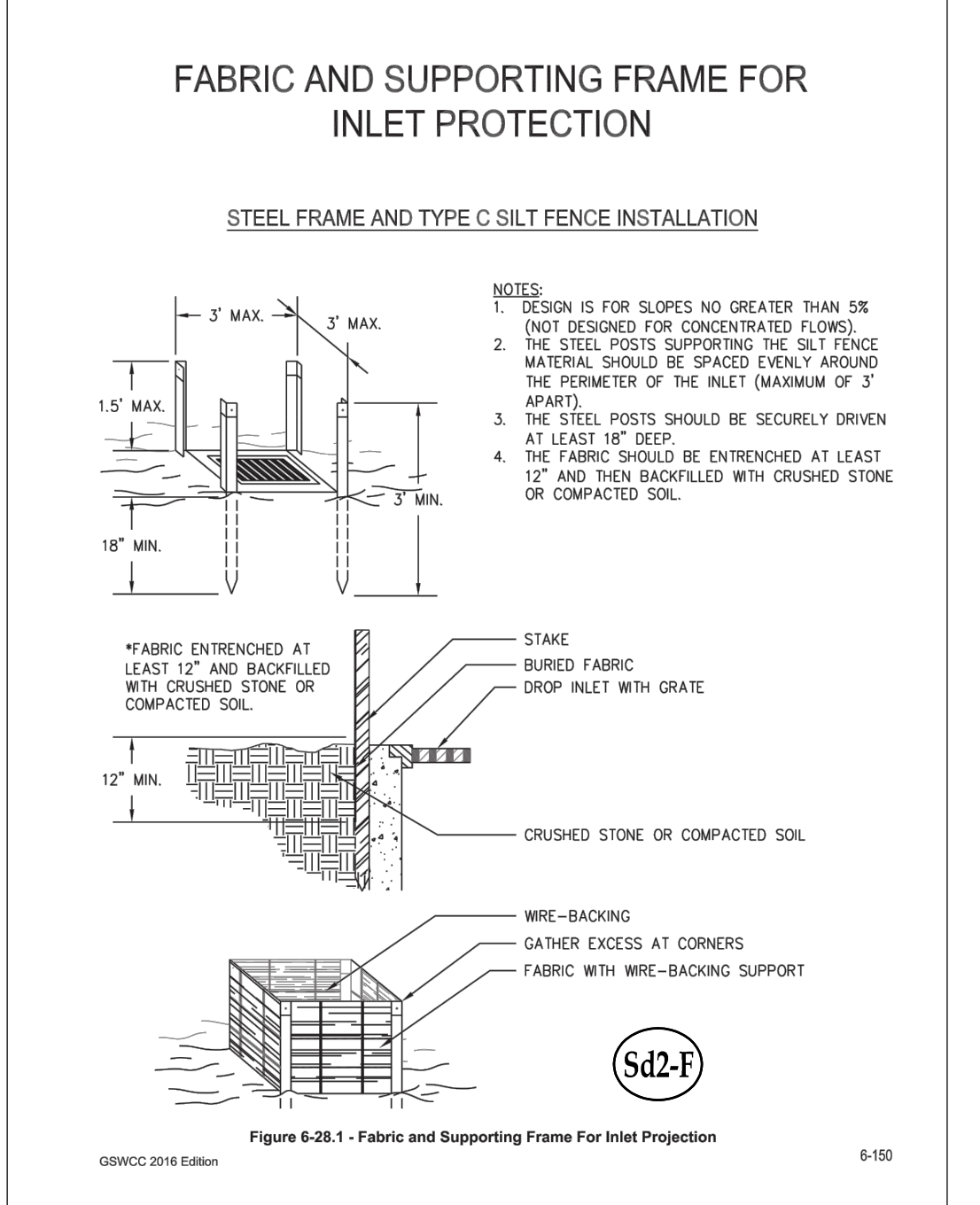


Figure 6-28.72 Riprap Outlet Protection (Modified From VA SWCC)

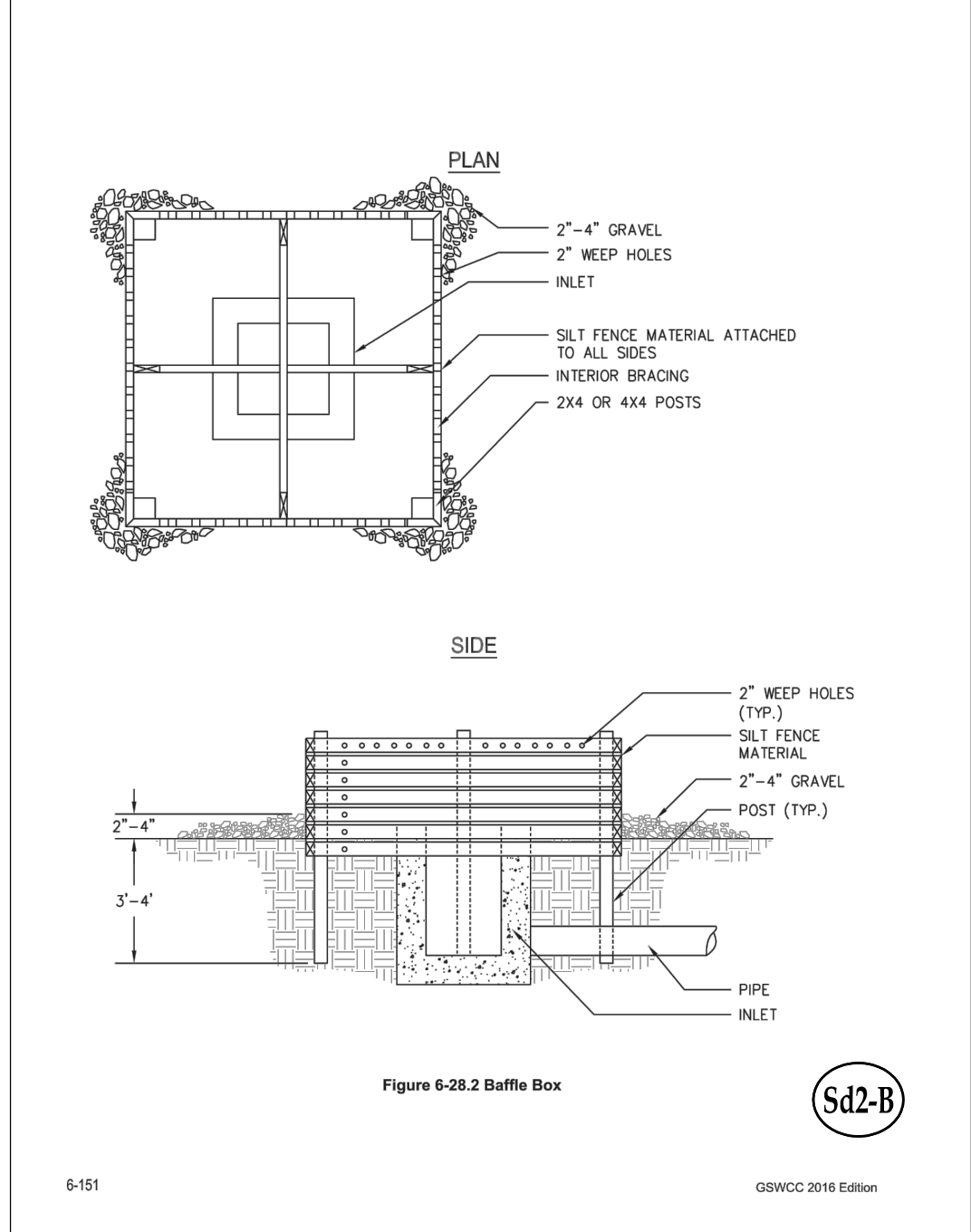


Figure 6-28.73 Riprap Outlet Protection (Modified From VA SWCC)

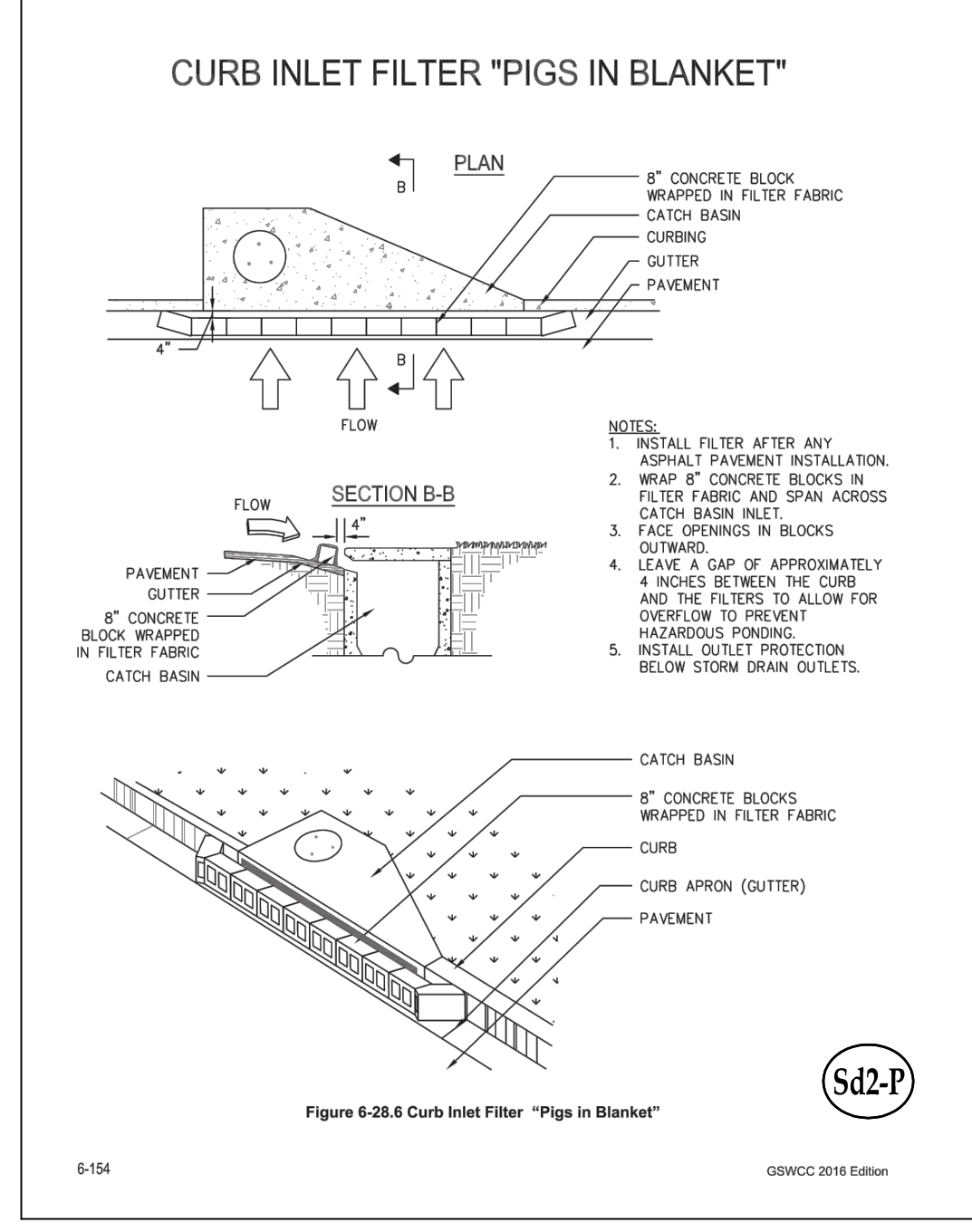


Figure 6-28.74 Riprap Outlet Protection (Modified From VA SWCC)

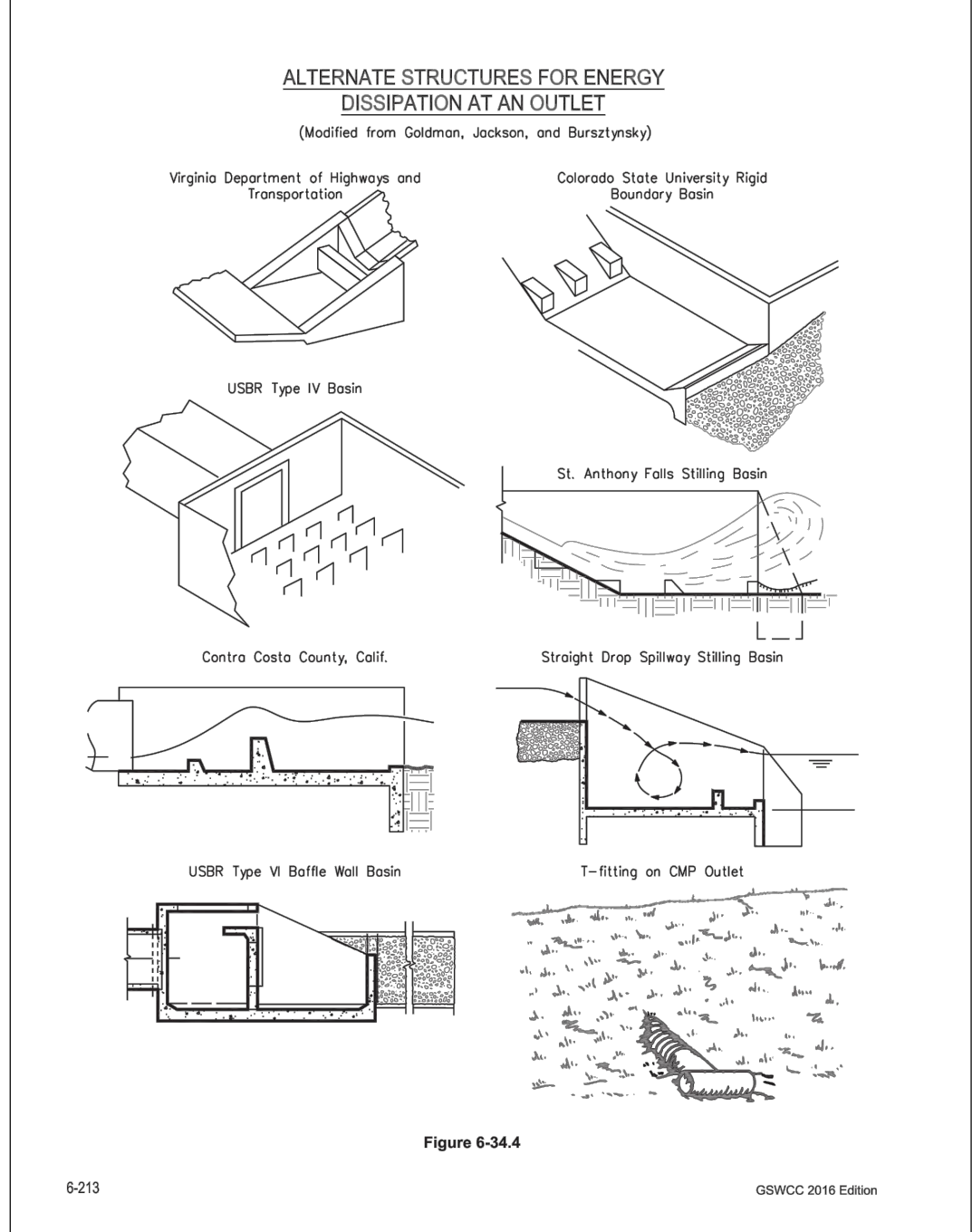


Figure 6-28.75 Riprap Outlet Protection (Modified From VA SWCC)

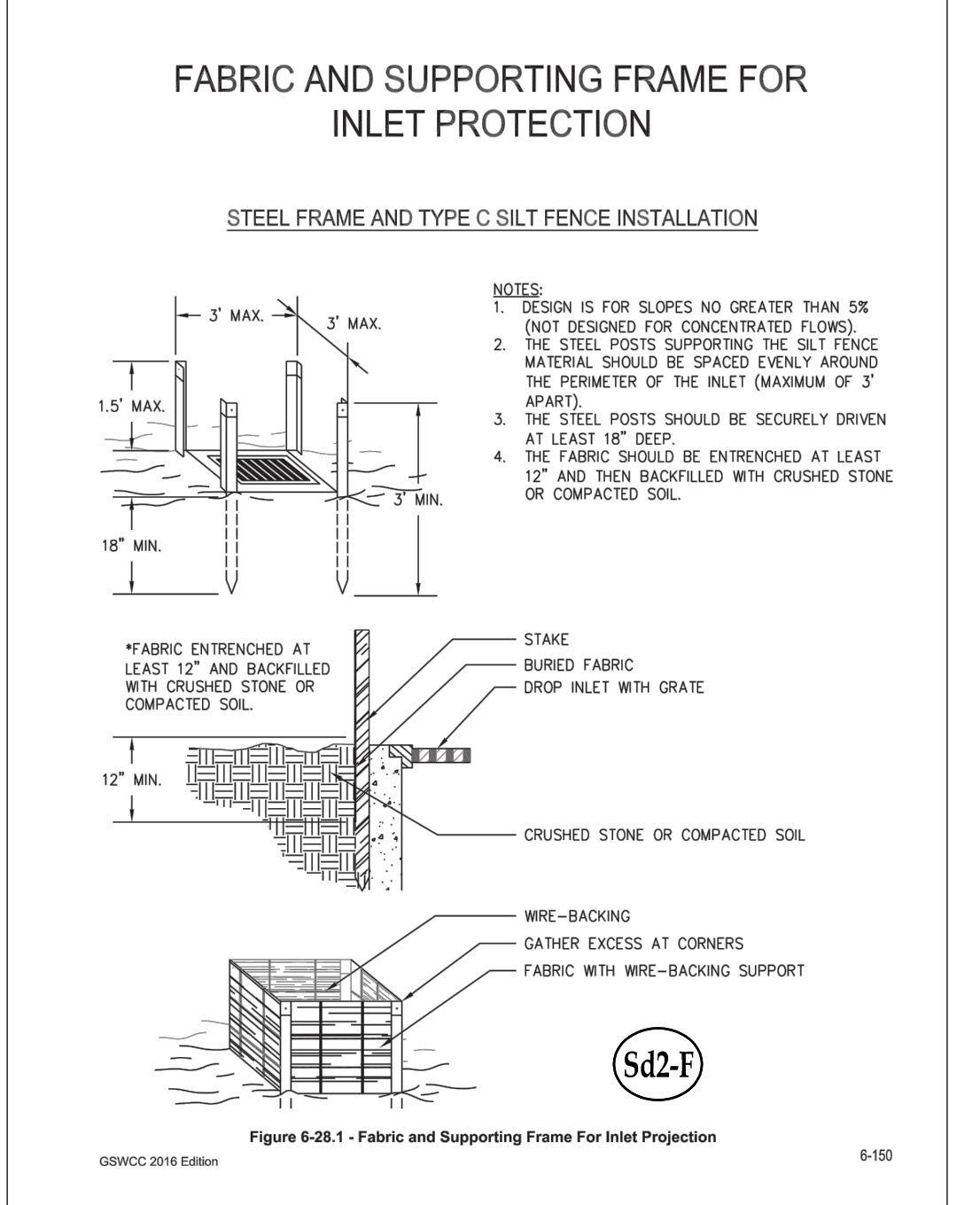


Figure 6-28.76 Riprap Outlet Protection (Modified From VA SWCC)

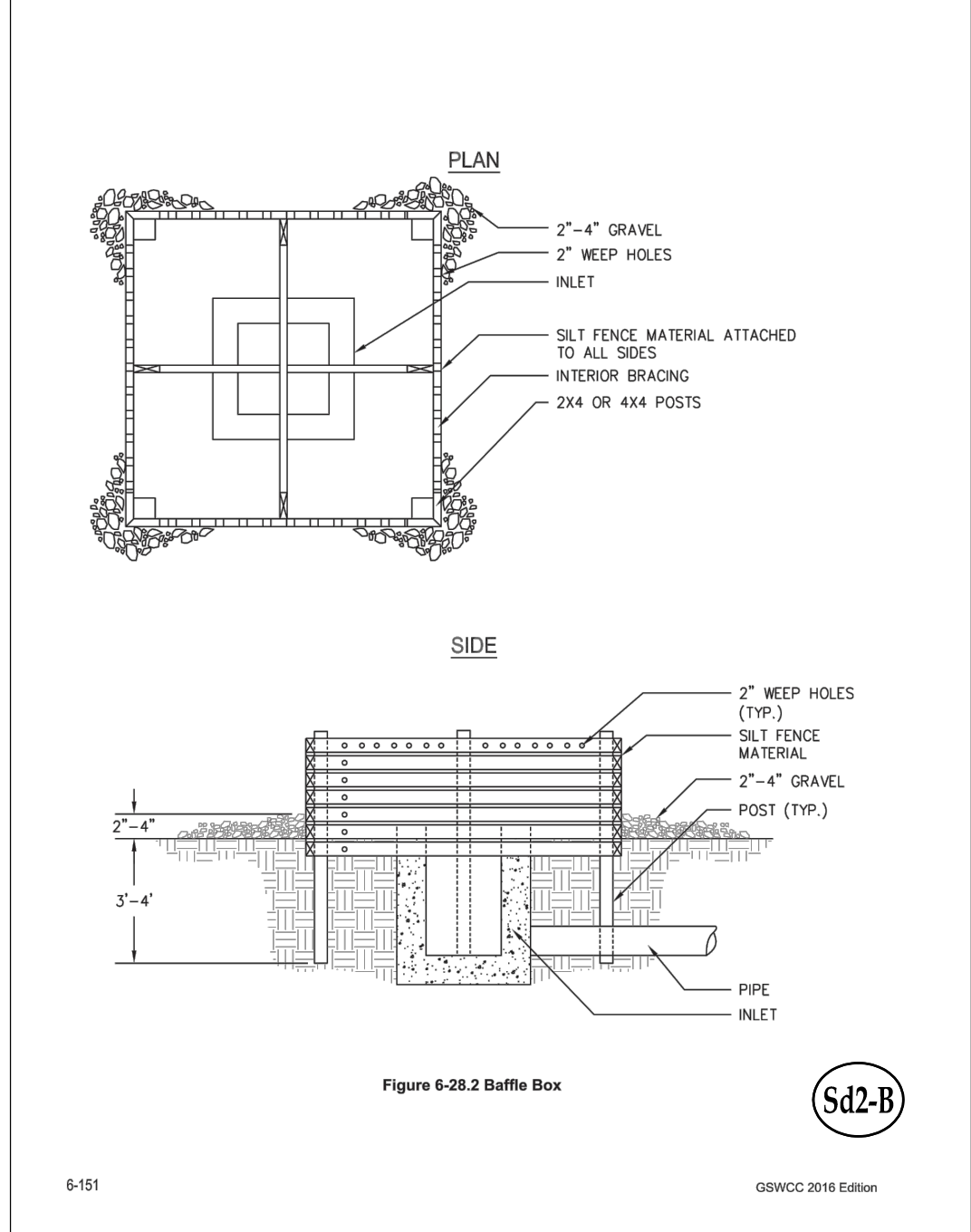


Figure 6-28.77 Riprap Outlet Protection (Modified From VA SWCC)

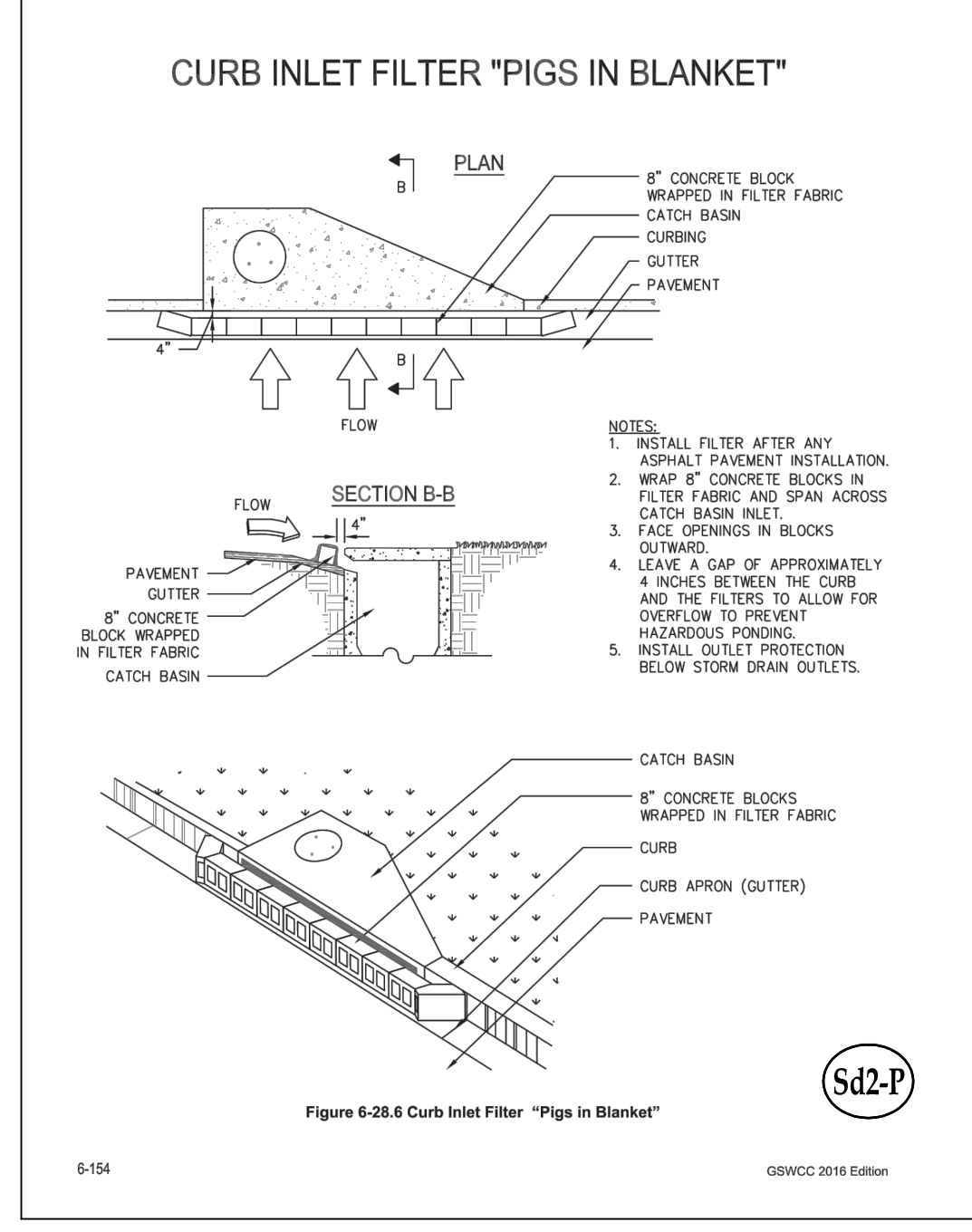


Figure 6-28.78 Riprap Outlet Protection (Modified From VA SWCC)

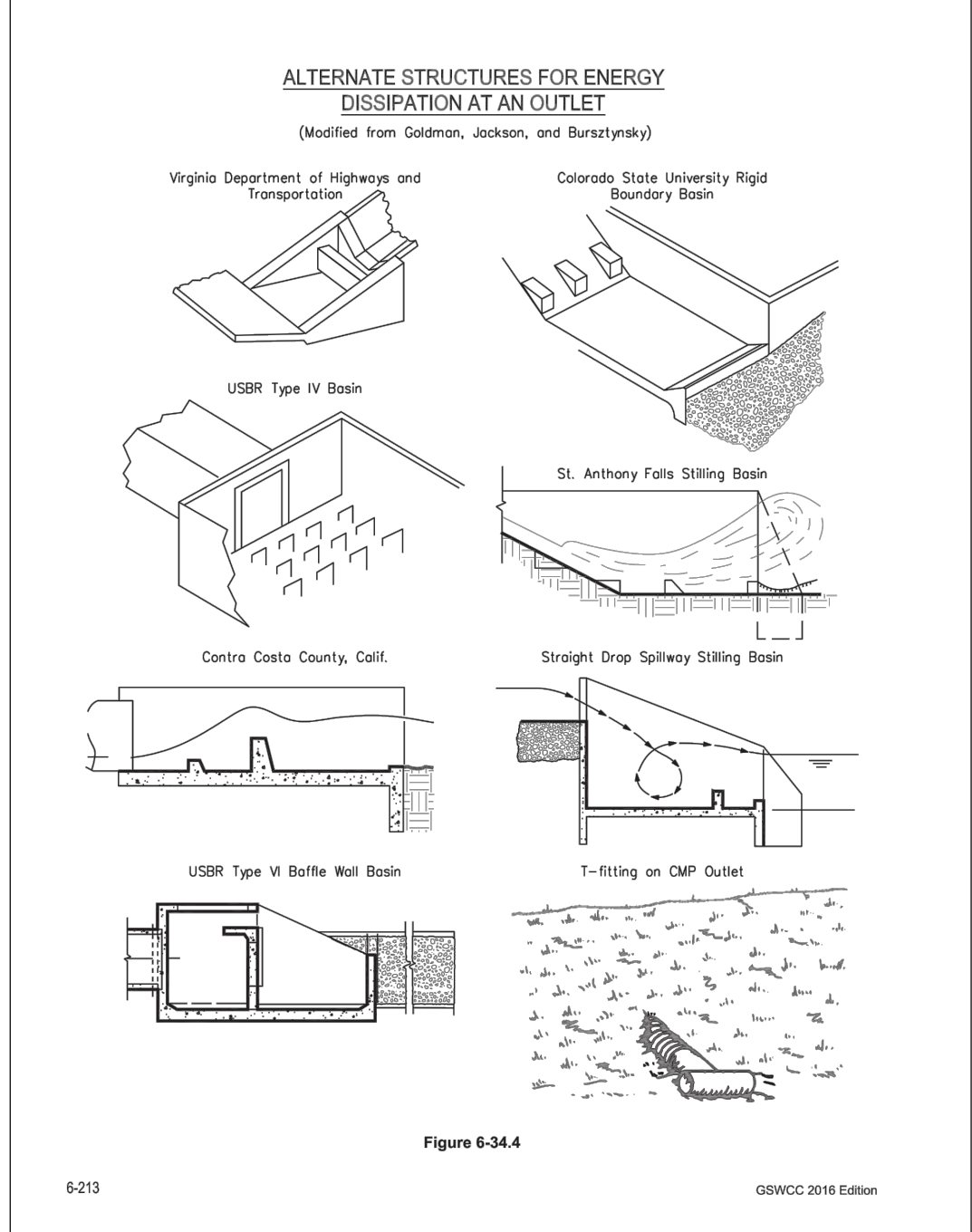


Figure 6-28.79 Riprap Outlet Protection (Modified From VA SWCC)

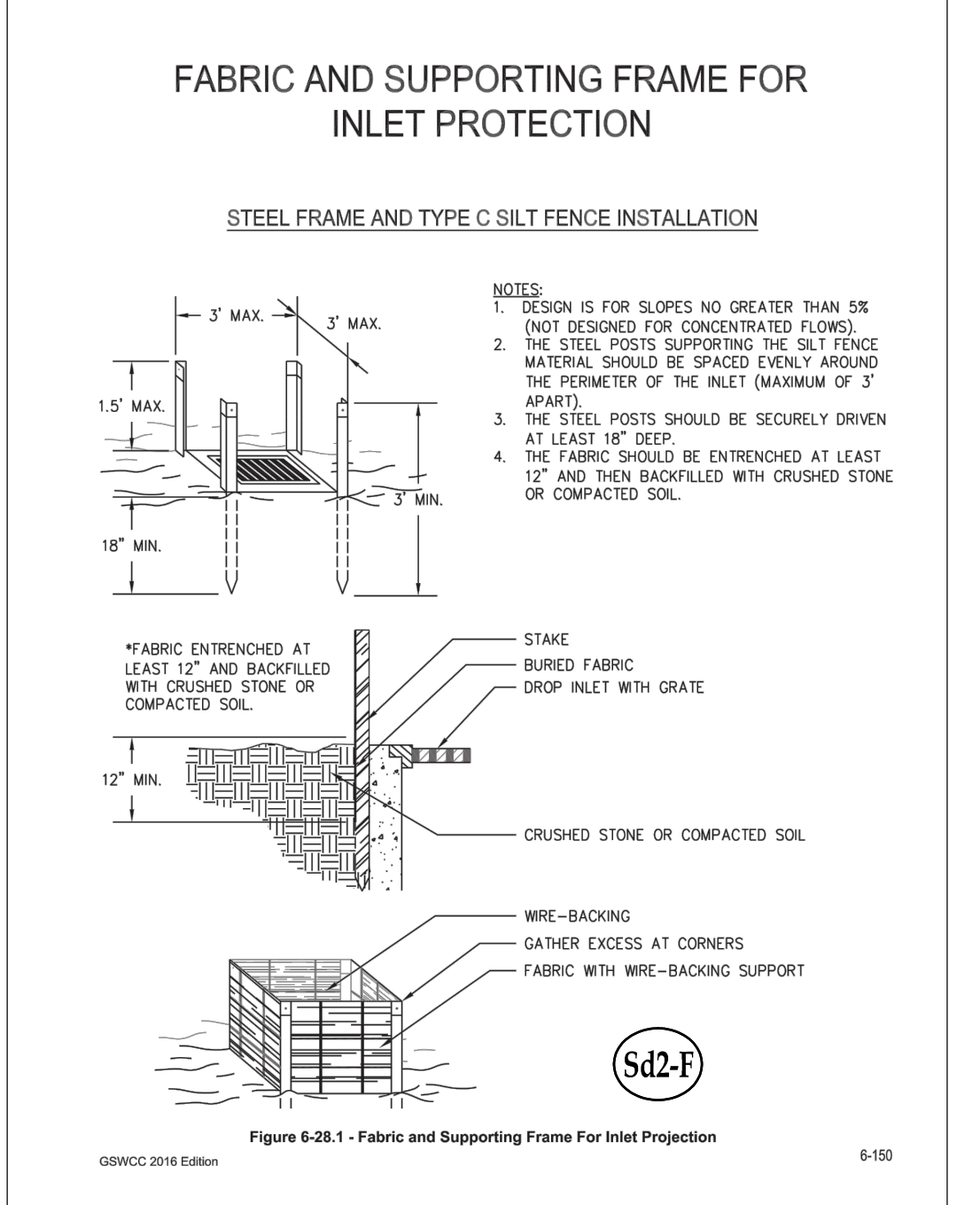


Figure 6-28.80 Riprap Outlet Protection (Modified From VA SWCC)

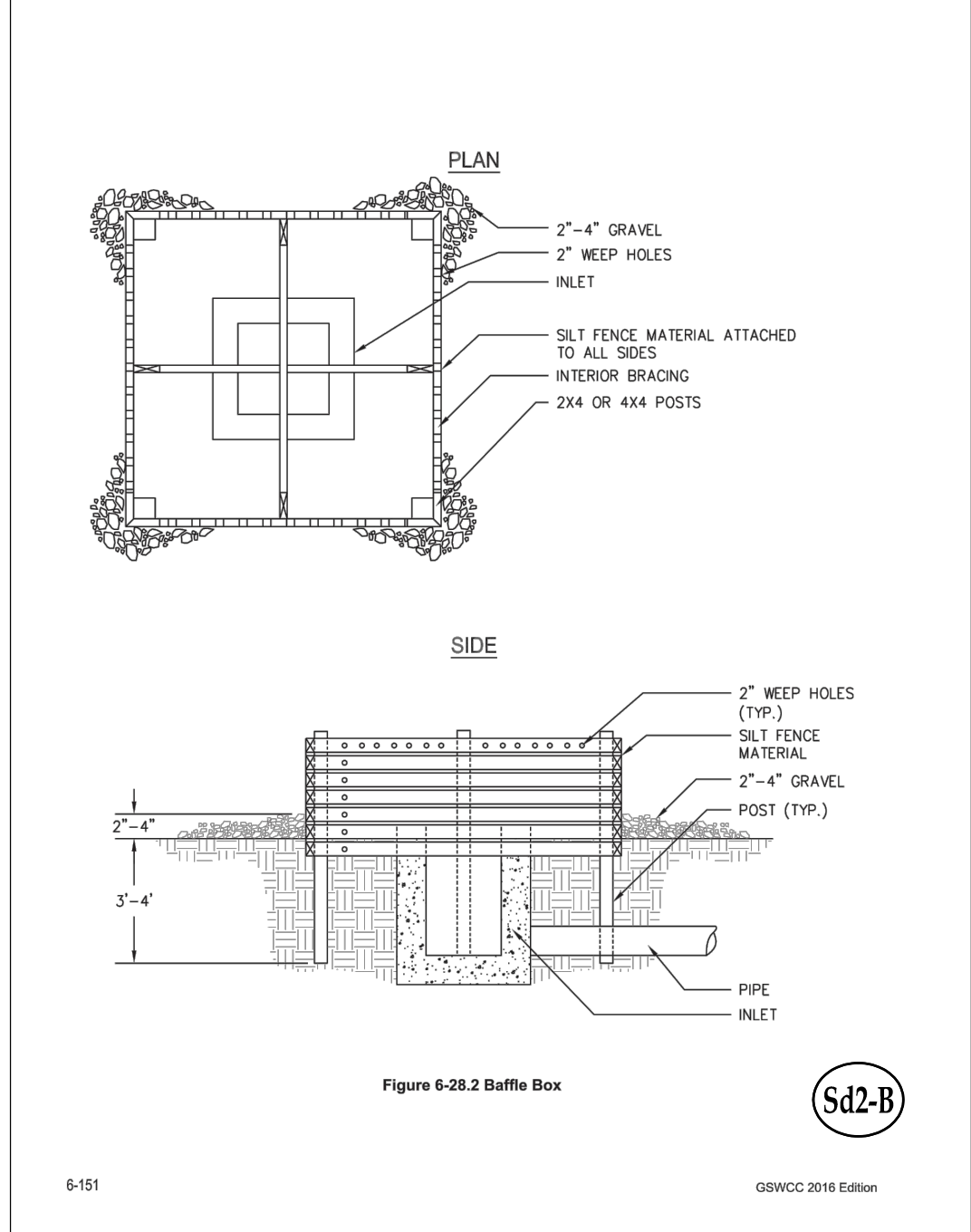


Figure 6-28.81 Riprap Outlet Protection (Modified From VA SWCC)

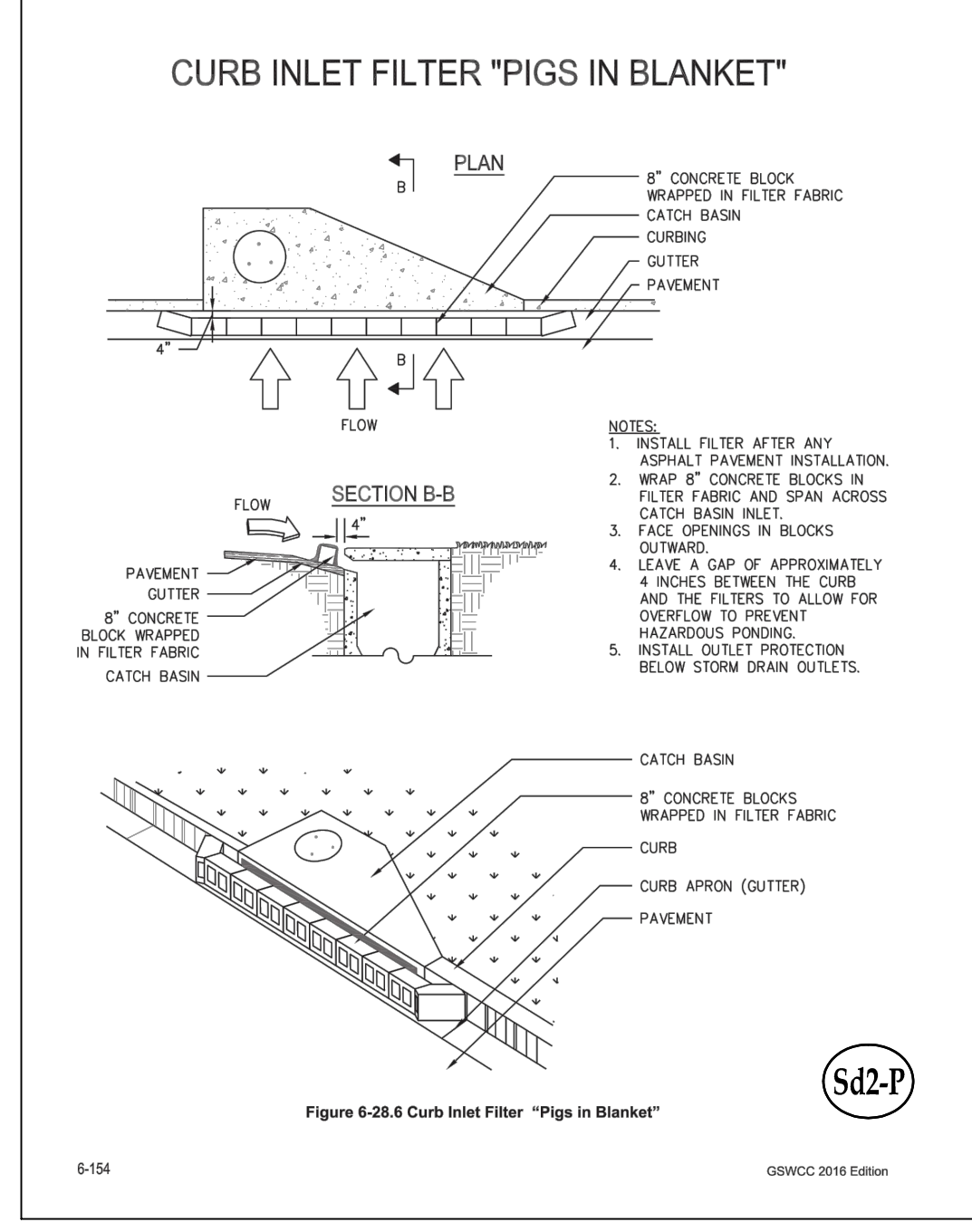


Figure 6-28.82 Riprap Outlet Protection (Modified From VA SWCC)

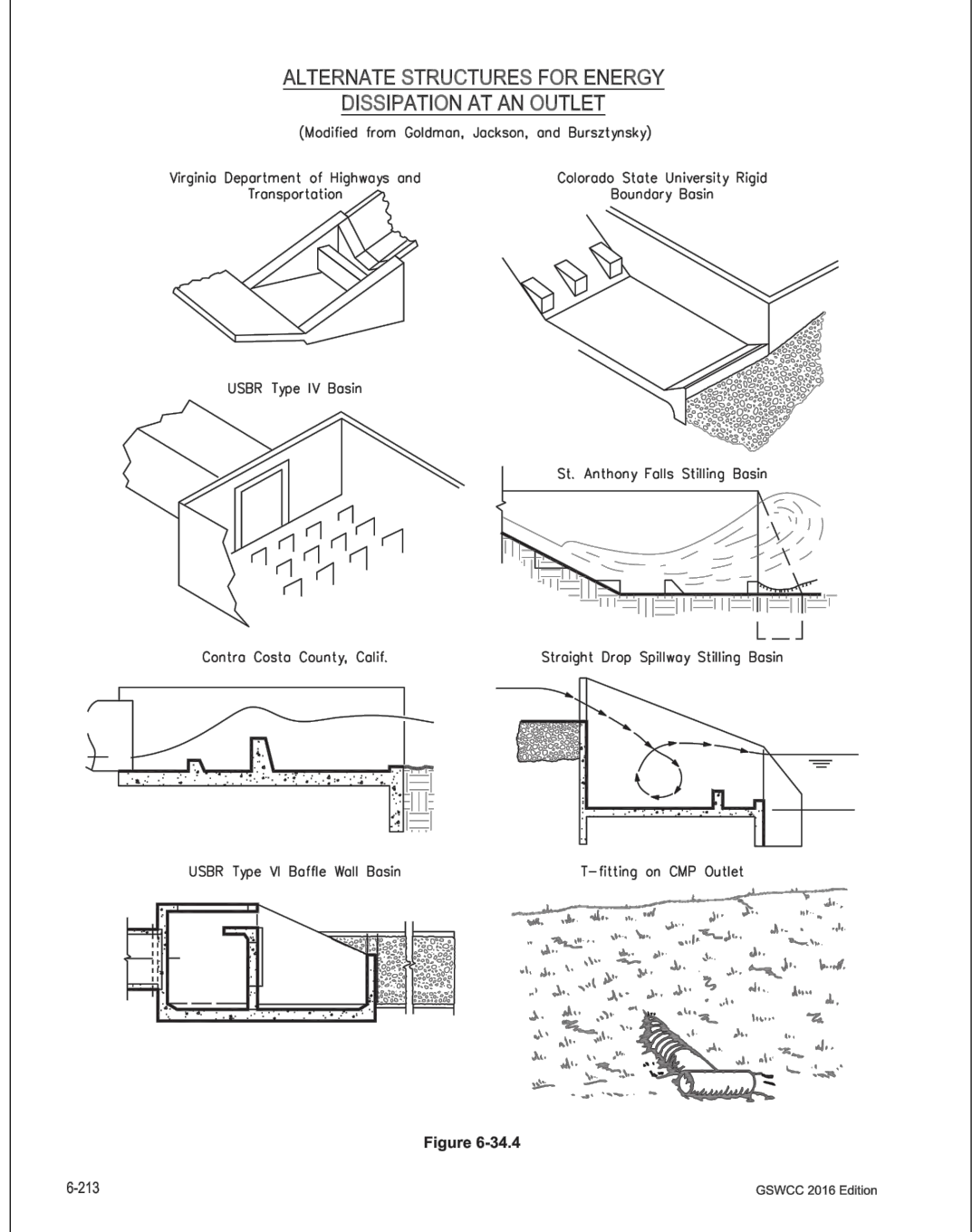


Figure 6-28.83 Riprap Outlet Protection (Modified From VA SWCC)

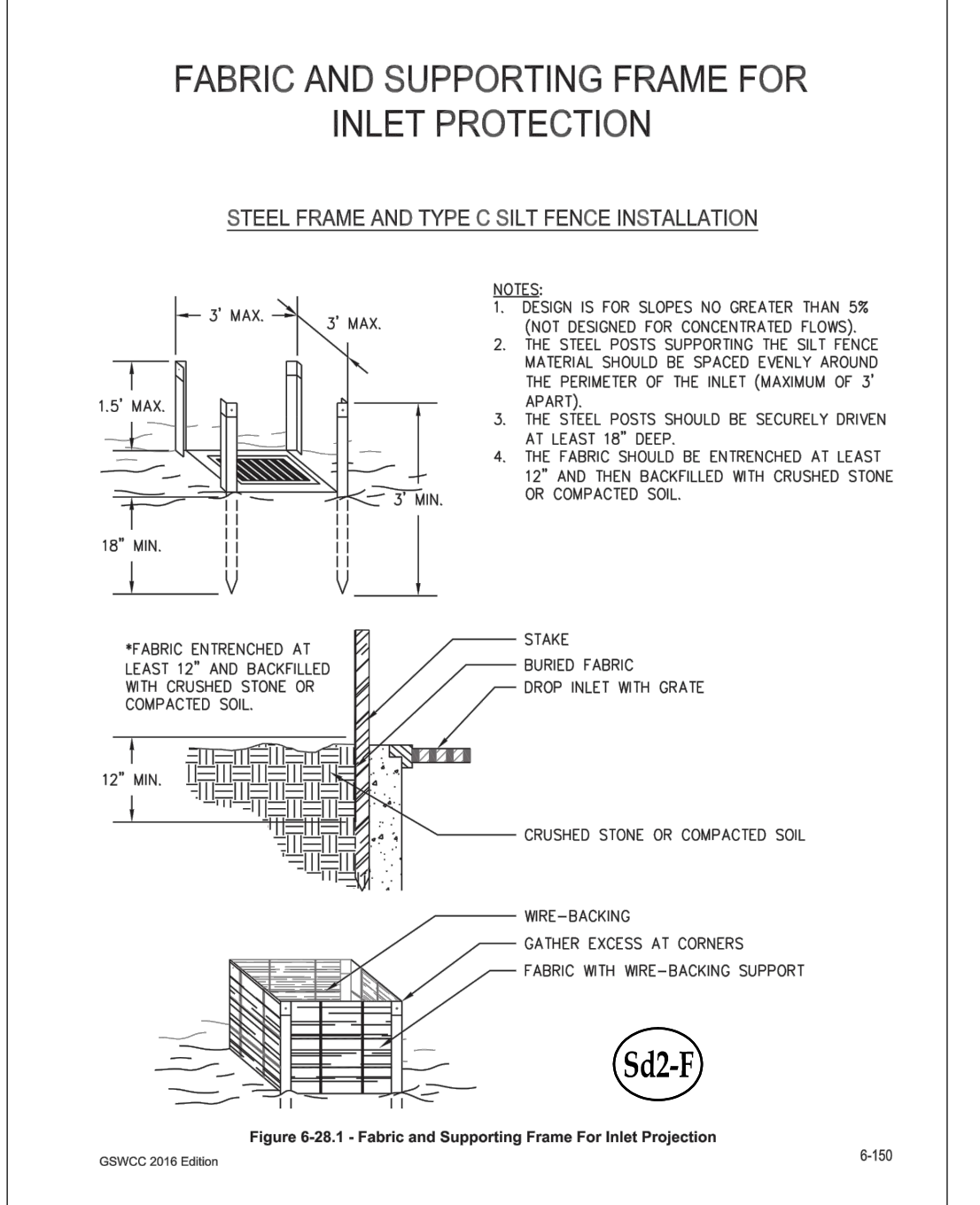


Figure 6-28.84 Riprap Outlet Protection (Modified From VA SWCC)

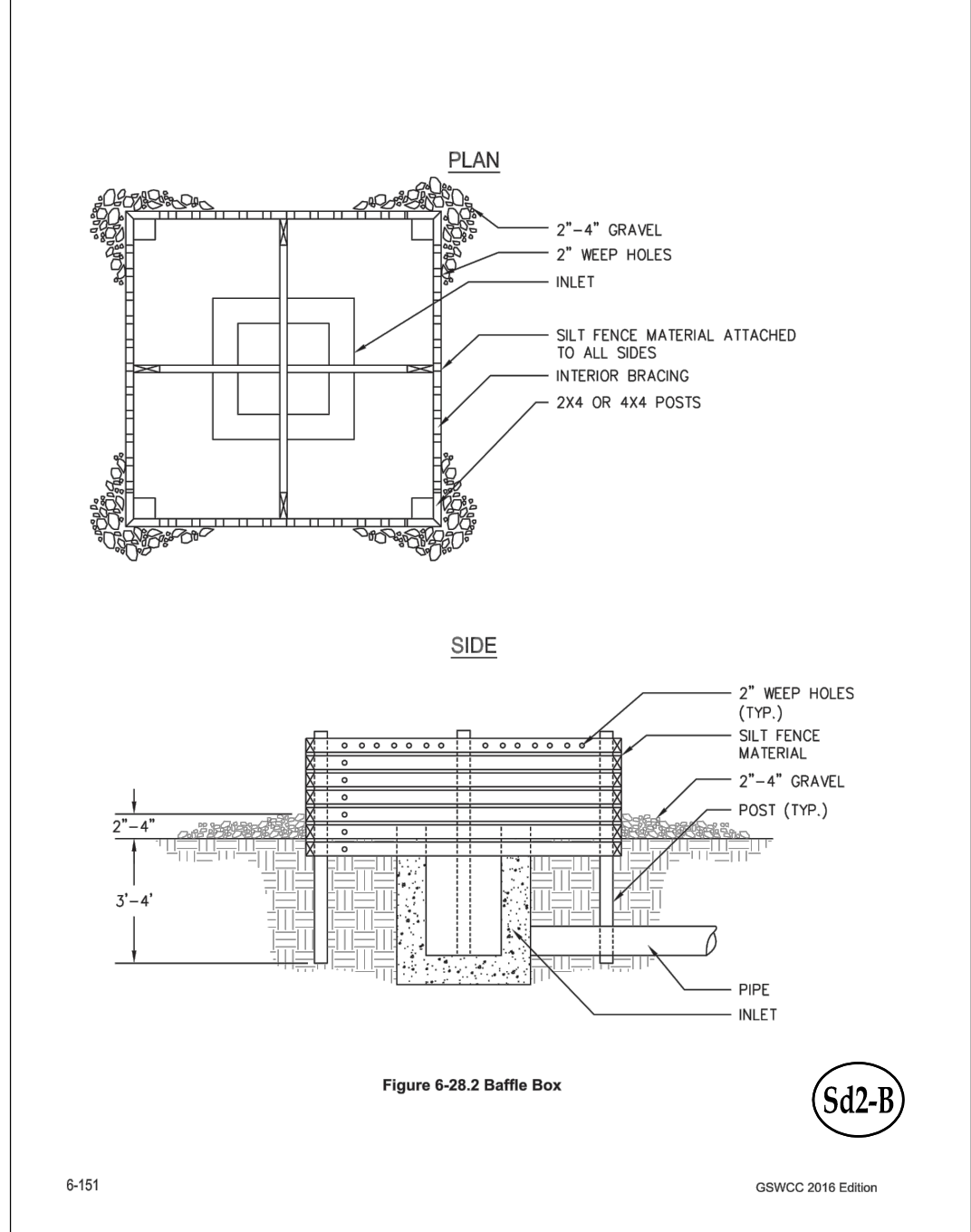


Figure 6-28.85 Riprap Outlet Protection (Modified From VA SWCC)

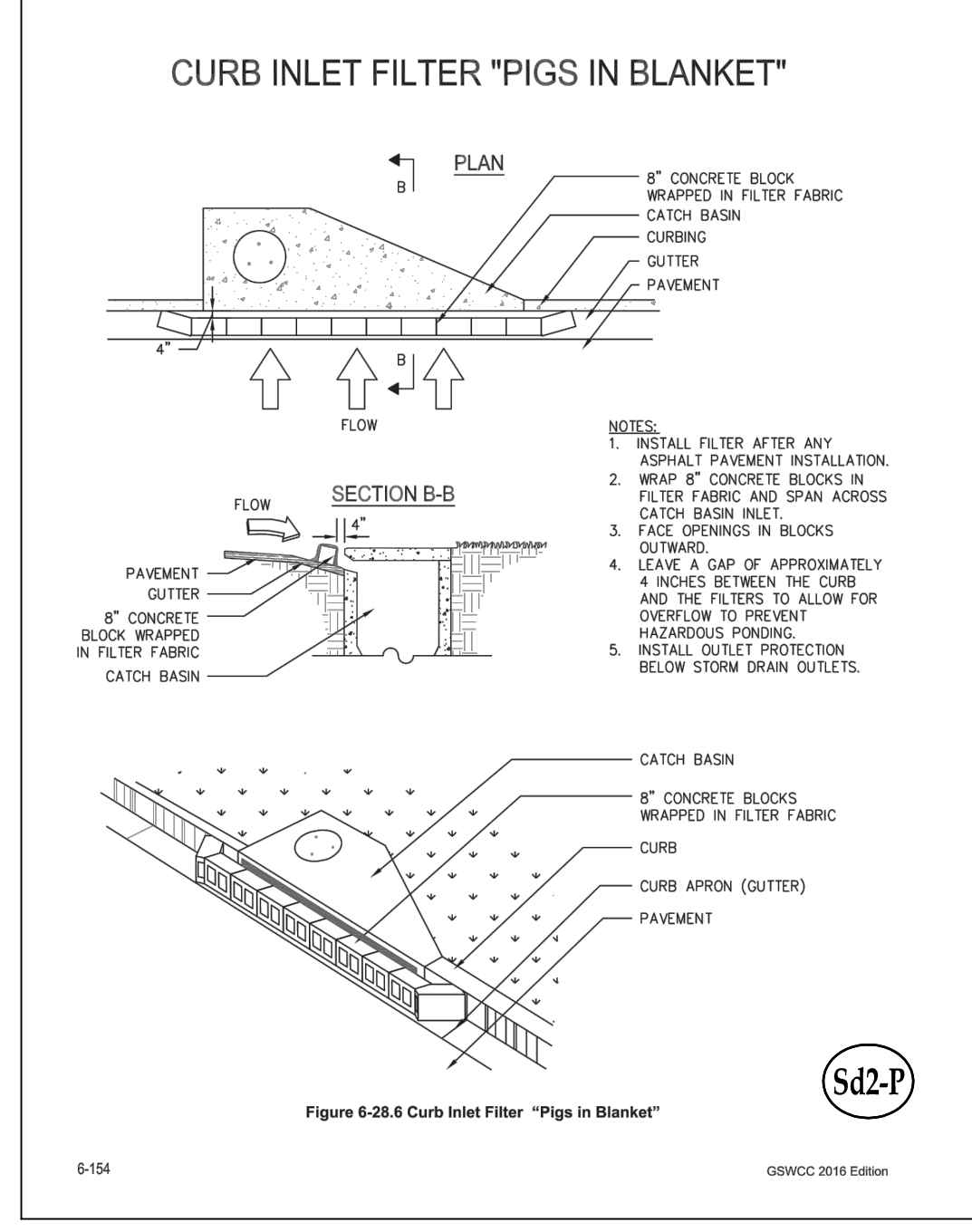


Figure 6-28.86 Riprap Outlet Protection (Modified From VA SWCC)

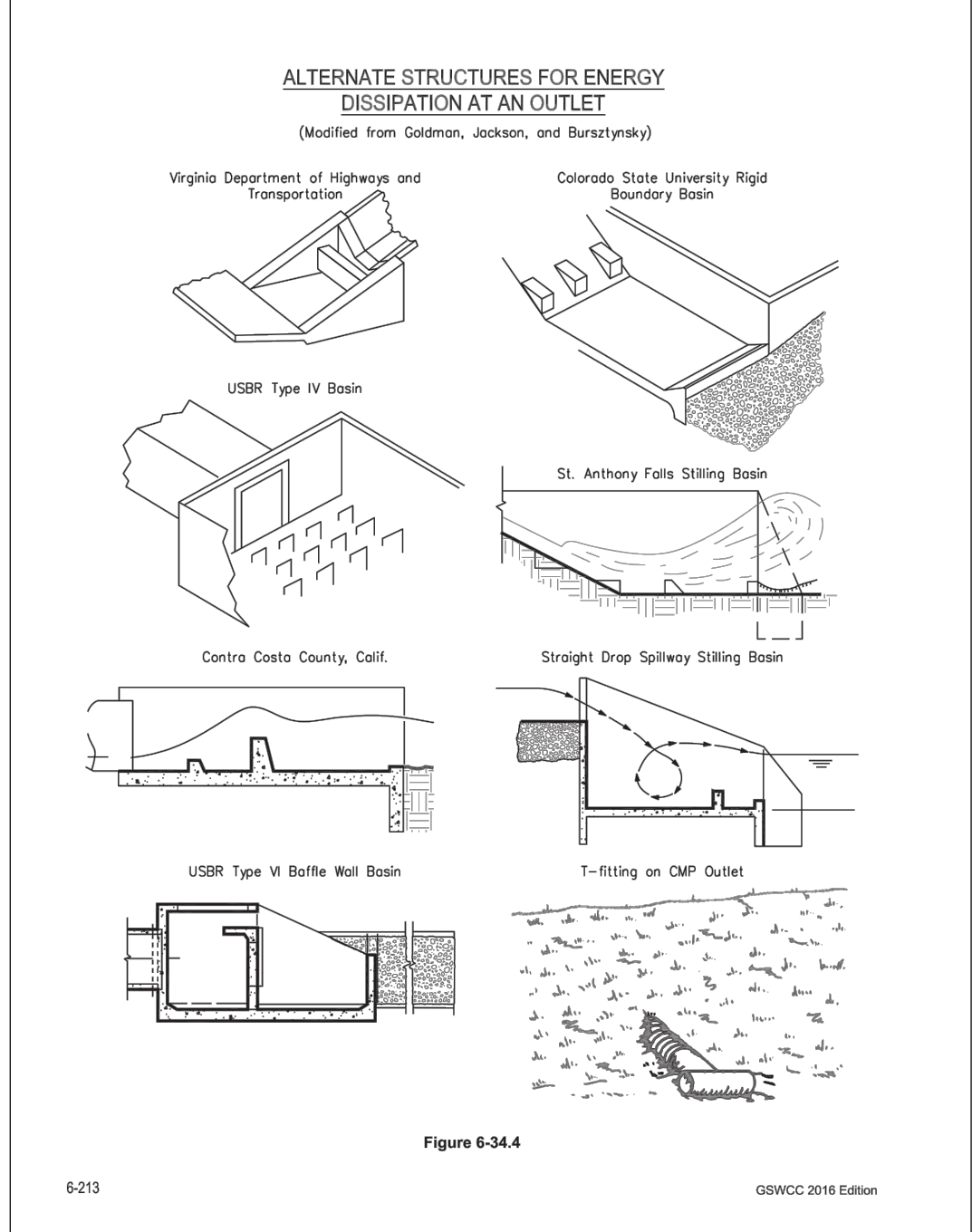


Figure 6-28.87 Riprap Outlet Protection (Modified From VA SWCC)

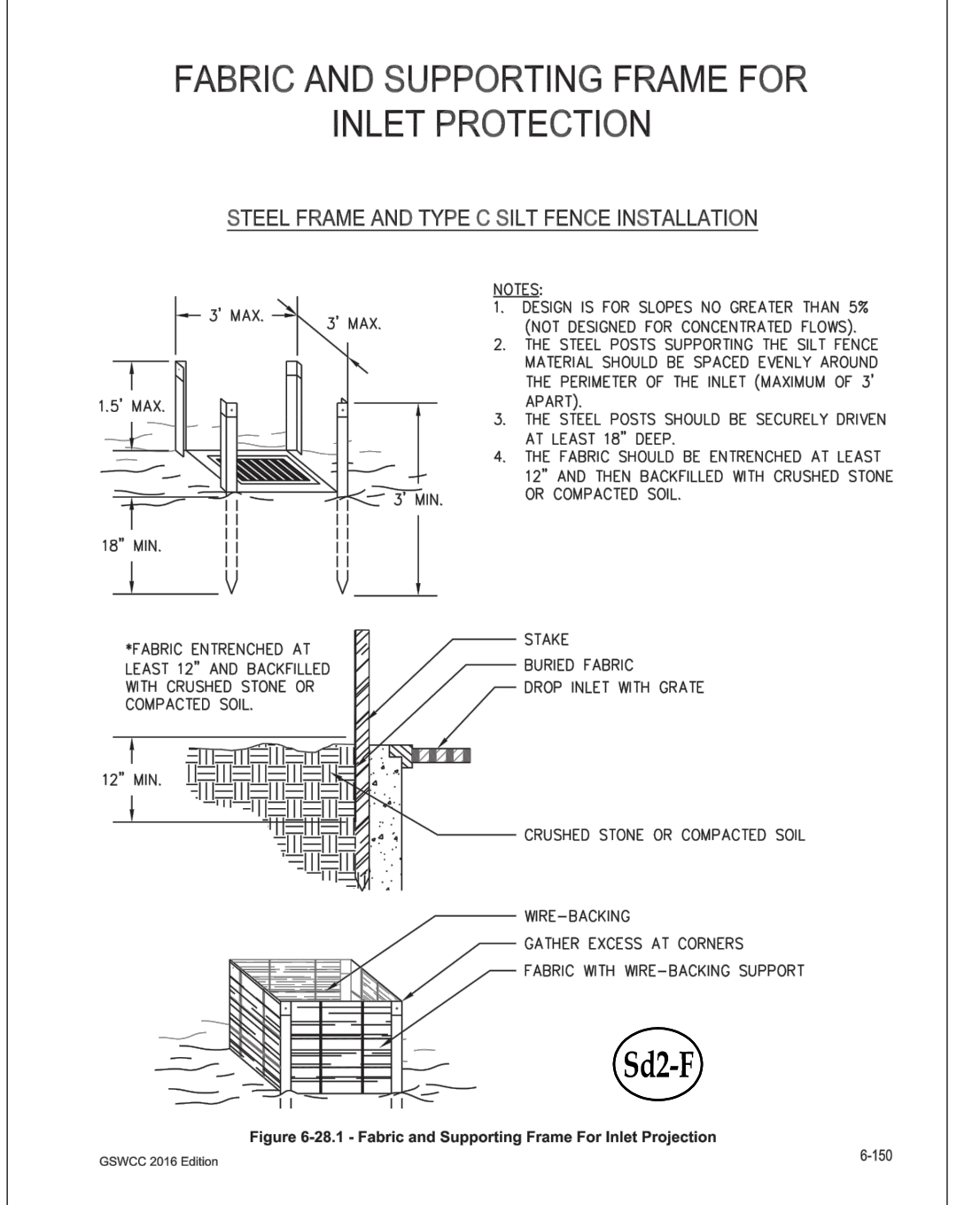


Figure 6-28.88 Riprap Outlet Protection (Modified From VA SWCC)

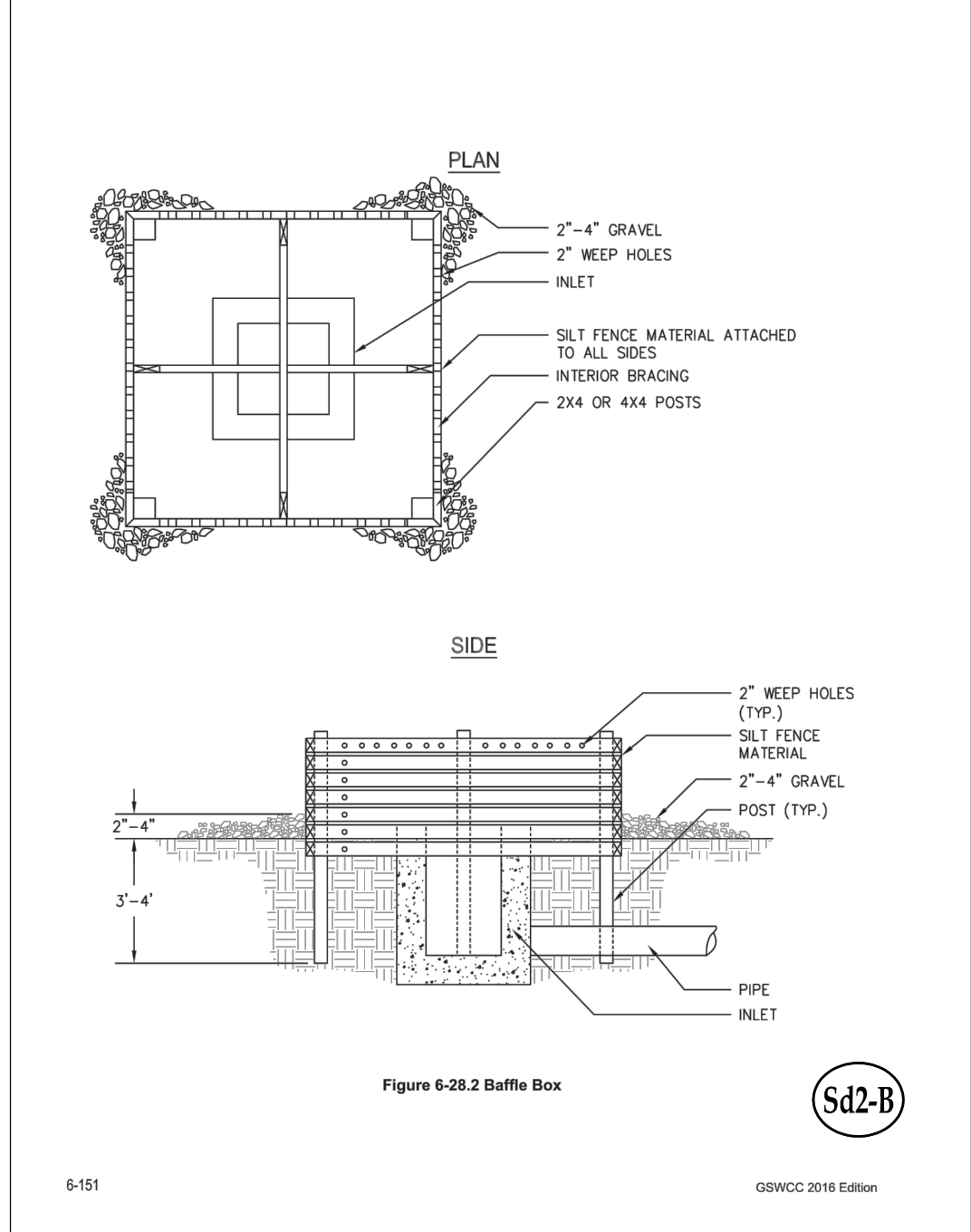


Figure 6-28.89 Riprap Outlet Protection (Modified From VA SWCC)

