

LEGEND

RIGHT OF WAY LINE

EXISTING GRADE CONTOUR

FINISHED GRADE CONTOUR

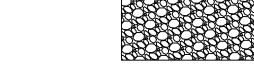
TEMPORARY 18" DIVERSION

LIMITS OF DISTURBANCE (4.0 ACRES)

GRAVEL FILTER BAGS

BERM (SEE DETAILS)

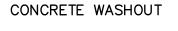
SEDIMENT FENCE



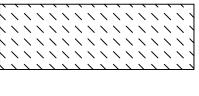








STAGING/STOCKPILE AREA

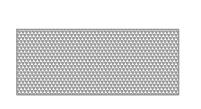


EROSION CONTROL REFERENCE NUMBER



(X1)

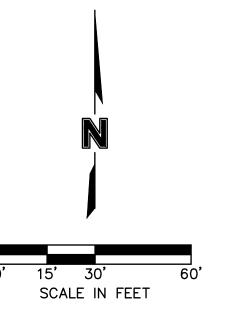
STRAW WATTLES



STABILIZATION. "LANDLOK (S2)" SHALL BE USED OR APPROVED EQUÁL. CONTACTOR TO SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. SEED WITH PERENNIAL SEEDING TO MEET SWPPP REQUIREMENTS. INSTALL PER DETAIL AND MANUFACTURER RECOMMENDATIONS.

EROSION CONTROL STAGING CHART EROSION REMOV CONTROL PROJECT STAGE BMP BMP DESCRIPTION NOTES: **AFTER** REFERENC STAGE E NO. TEMPORARY CONSTRUCTION ENTRANCE INSTALL AS INDICATED ON PLANS Α1 Α2 CONCRETE WASHOUT INSTALL AS INDICATED ON PLANS Α3 TEMPORARY SLOPE BARRIER (SEDIMENT FENCE) INSTALL AS INDICATED ON PLANS STAGING / STOCKPILE AREA Α4 INSTALL AS INDICATED ON PLANS A - PRE-CONSTRUCTION EXISTING CURB INLET PROTECTION -Α5 INSTALL AS INDICATED ON PLANS TEMPORARY SEDIMENT BARRIER - CONDITION A Α6 TEMPORARY SEDIMENT TRAP INSTALL AS INDICATED ON PLANS Α7 PERMANENT SWALE INSTALL AS INDICATED ON PLANS B - STORM SEWER & UTILITY TEMPORARY SEDIMENT BARRIER - CURB INLET - CONDITION A INSTALL AS INDICATED ON PLANS CONSTRUCTION (STABILIZE ANY STURBED ARES OUTSIDE OF BUILDING TEMPORARY SEDIMENT BARRIER - JUNCTION BOX - CONDITION A PADS AND PARKING LOTS) INSTALL AS INDICATED ON PLANS INSTALL AS INDICATED ON PLANS TEMPORARY EROSION CONTROL BLANKET (LANDLOK S2) TEMPORARY SEDIMENT BARRIER - CURB INLET - CONDITION B INSTALL AS INDICATED ON PLANS C - BUILDING AND PAVEMENT CONSTRUCTION TEMPORARY SEDIMENT BARRIER - JUNCTION BOX - CONDITION B INSTALL AS INDICATED ON PLANS ESTABLISH PERENNIAL VEGETATION D1 REPLACE TOP SOIL, SEED MULCH, SOD, LANDSCAPE WITH A 70% DENSITY OVER D — FINAL STABILIZATION 100% OF DISTURBED AREA.

Sediment I	Basin Design Calculat	tions							
Trap 1 -	Colbern Road								
OA# G17-0	0585								
Design Flo	ows:								
Tributary Drainage Area to Pond:				4.00	Acres				
Disturbed Tri	butary Drainage Area to Po	ond:		4.00	Acres				
Drainage Ar	ea				2-Year Stor	m Runoff	 Calculations		
Drainage Basin Area		Total Area		C	KC	Tc	Intensity	Design Q	
		(acre)			(K=1.0)	(min)	(in/hr)	(cfs)	
	Basin #1	4.00		0.35	0.35	5.00	5.41	7.58	
Basin #1-Disturbed Area		4.	.00	0.35	0.35	5.00	5.41	7.58	
Drainage Area					25-Year Storm Runoff Calculations				
Drainage Basin Area Basin #1		Total Area		C	KC	Тс		Design Q	
			cre)		(K=1.1)	(min)	(in/hr)	(cfs)	
			.00	0.35	0.39	5.00	8.53	13.16	
Basin #1-Disturbed Area		4.	.00	0.35	0.39	5.00	8.53	13.16	
Sadimant I	Basin Storage:								
<u>Scument i</u>	Jasin Storage.		Acre		CY/Acre		CY		
Minimum Se	ediment Storage =		4	X	67	=	268		
William Ge	difficit Otorage –		7	^	07		200		
Pond									
Basin		Elevation		Area (Sq. Ft.)		Volume(Cu. Yd)		Cummulative Volume (Cu. Yd.)	
Basin Volume #1		960.50		0					
		961.00		1100		10		10	
		962.00		3500		85		95	
		963.00		6700		189		284	
		964.00		9000		291		575	
Overflow I	Elevation:								
Spillway Length			=	6 x Tributary area in a		cres (Ft)			
			=	4.00	•	6	=	24	
				1140					
				Ho=18"					
				Use 10" R					



Springfield, MO 65804 417.877.9600

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Kansas City, MO 64108

816.300.0300

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the event the client consents to, allows, authorizes or approves o nanges to any plans, specifications or other construction design professional, the client recognizes that such changes and the esults thereof are not the responsibility of the design professional. Therefore, the client agrees to release the design professional from any liability arising from the construction, use or result of such changes. In addition, the client agrees to the fullest extent permitted by law, to indemnify and hold the design professional harmless from any damage, liability or cost (including reasonable attorney's fees and osts of defense) arising from such changes.

The personal seal of the registered Architect or Engineer shall be the legal equivalent of his signature whenever & wherever used, and the owner of the seal shall authenticate this sheet and the specification sections per or all other plans, specifications, estimates, reports or other

ocuments or instruments relating to or intended to be used for any art or parts of the architectural project.

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ISSUE FOR CONSTRUCTION 02.05.20

Terry M Parsons, Engineer MO PE-2018010505



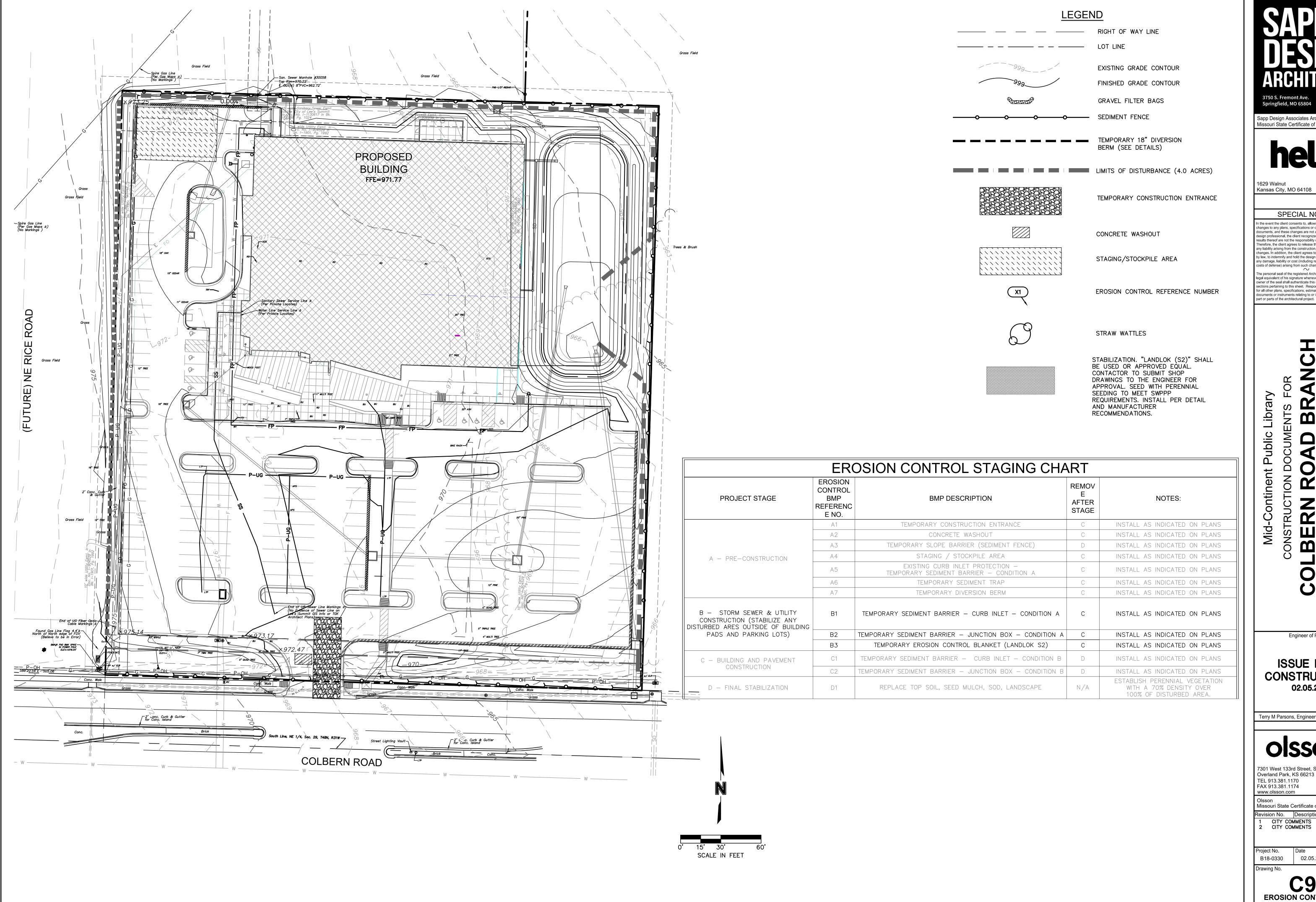
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FAX 913.381.1174 Missouri State Certificate of Authority #001592

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02.05.20 B18-0330

EROSION CONTROL PLAN - PRE CONSTRUCTION



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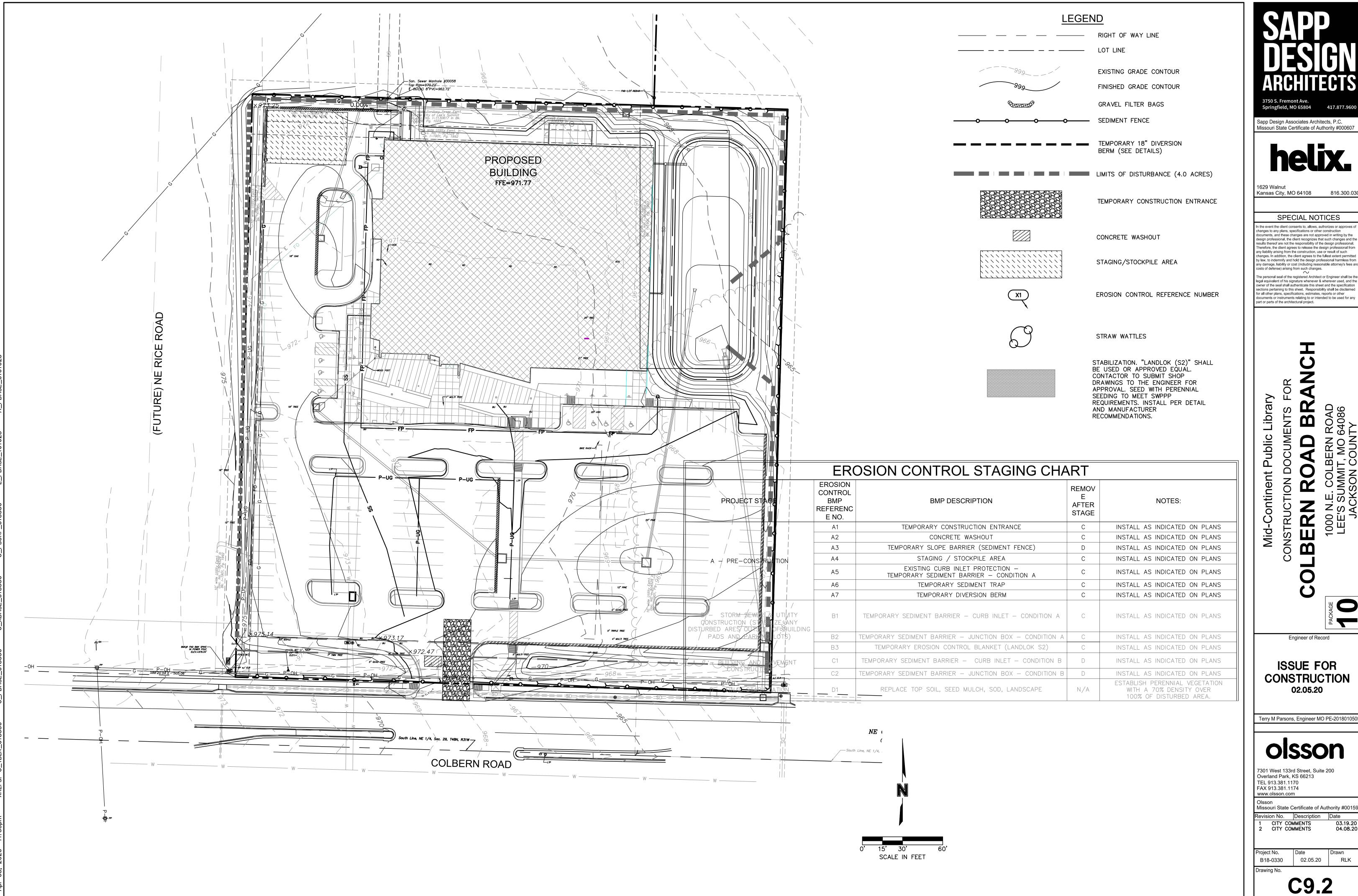
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EROSION CONTROL PLAN - CONSTRUCTION

byright 2018 - Sapp Design Associates, Architects, P.C.

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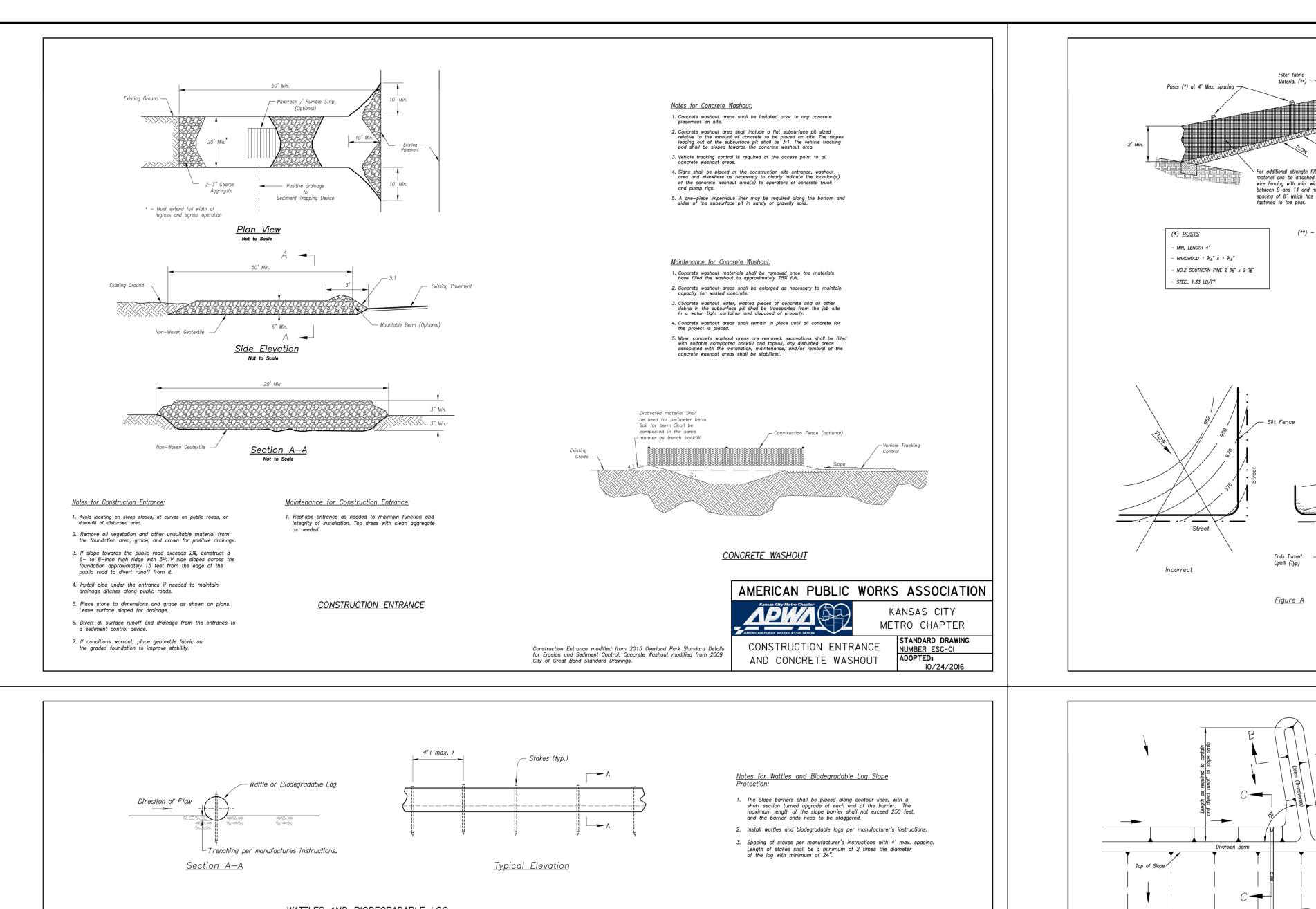
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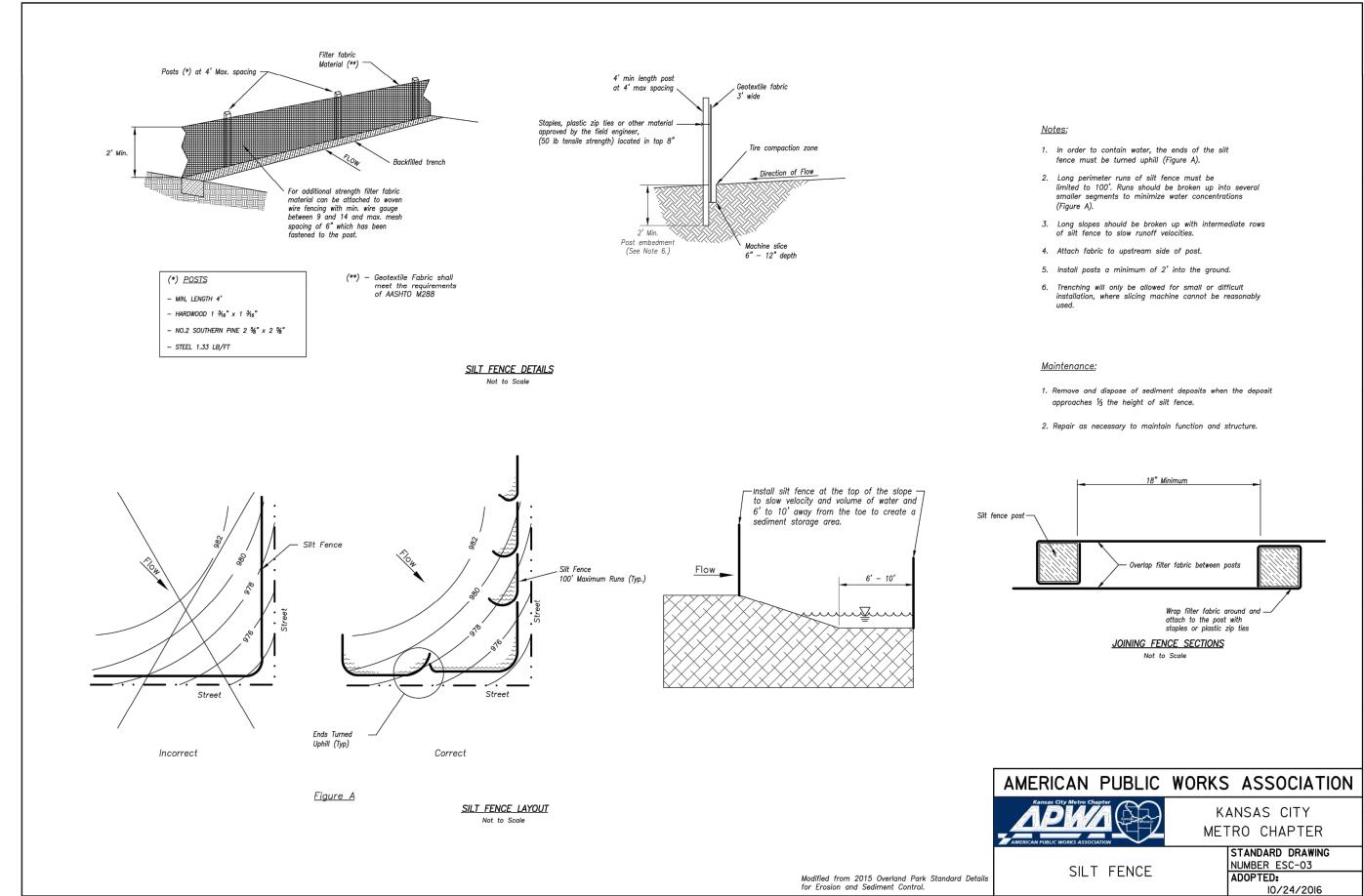
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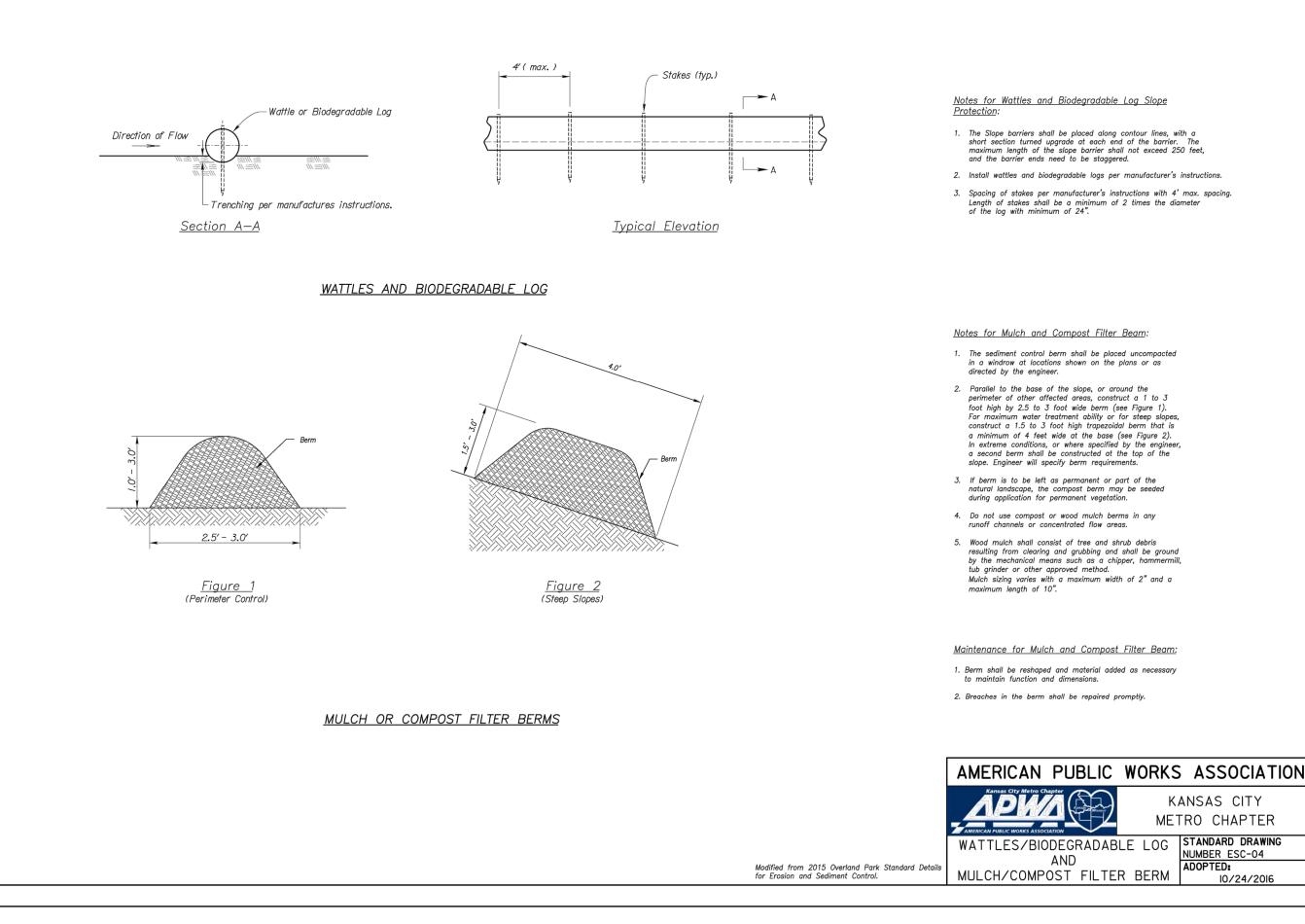
1 CITY COMMENTS 2 CITY COMMENTS 03.19.20 04.08.20

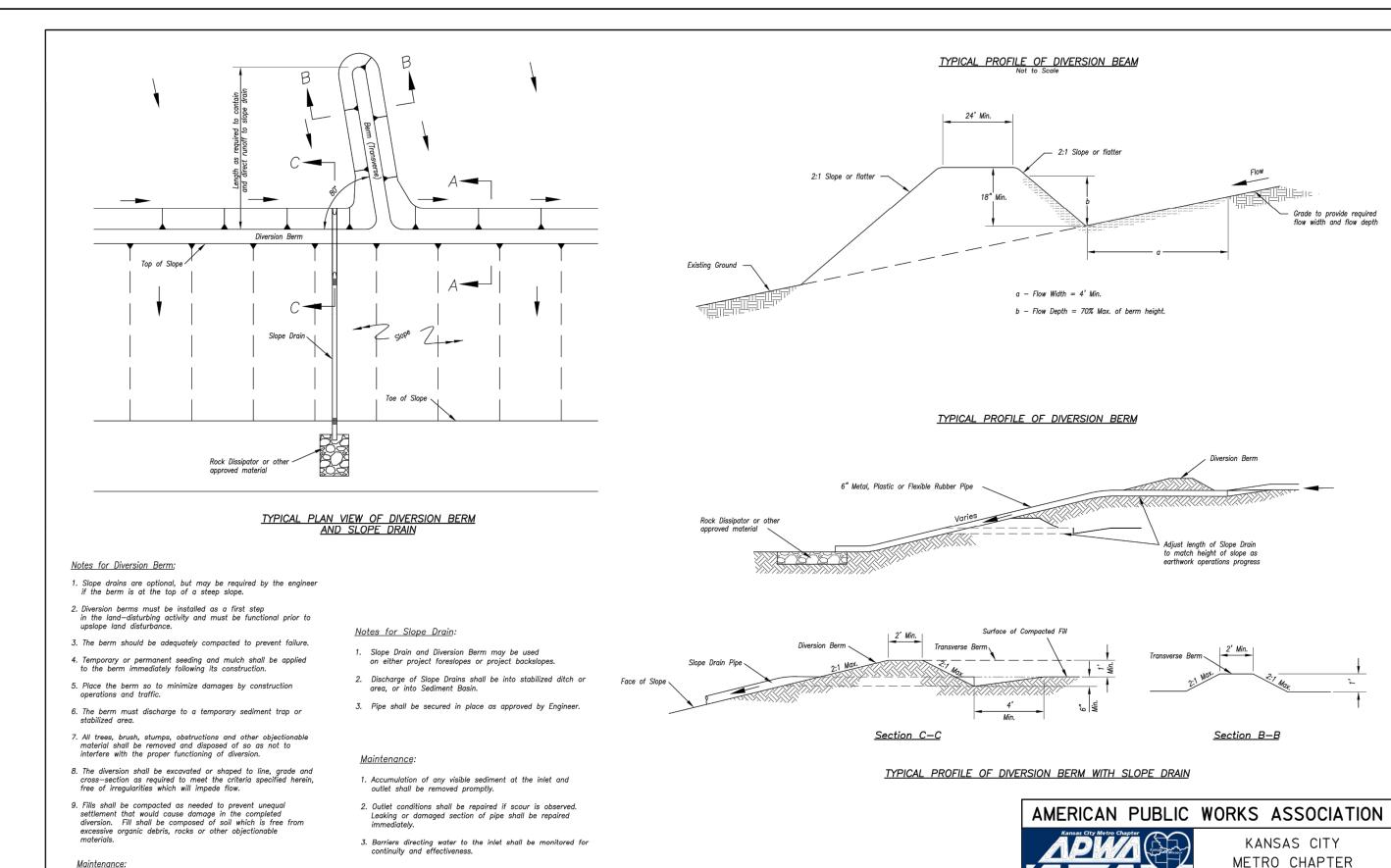
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EROSION CONTROL PLAN - POST CONSTRUCTION









Berm shall be reshaped, compacted, and stabilized as necessary to maintain its function.

2. Breaches in the berm shall be repaired immediately.



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STANDARD DRAWING

10/24/2016

NUMBER ESC-05

DIVERSION BERMS AND

SLOPE DRAINS

Modified from 2015 Overland Park Standard Detail for Erosion and Sediment Control.

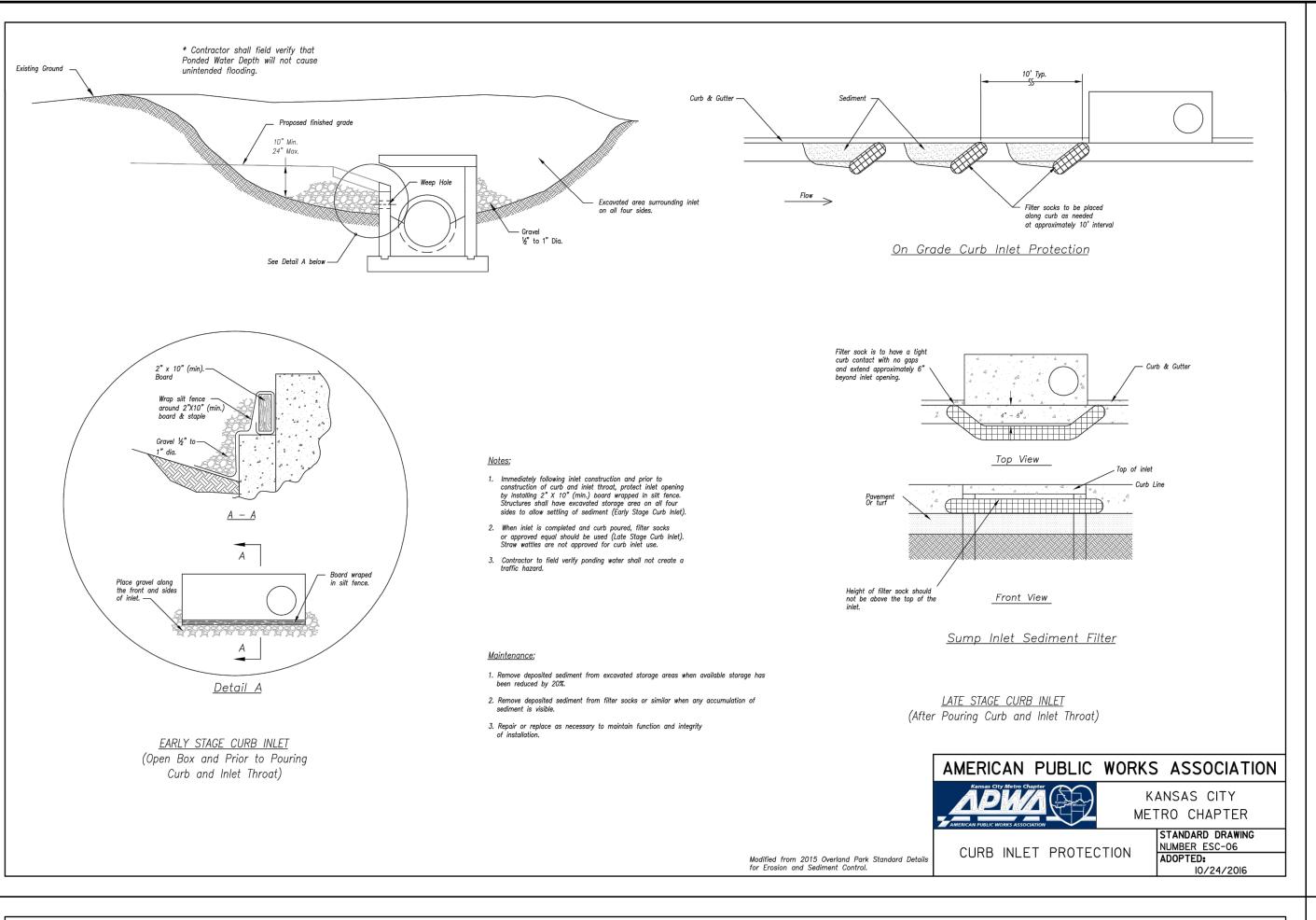
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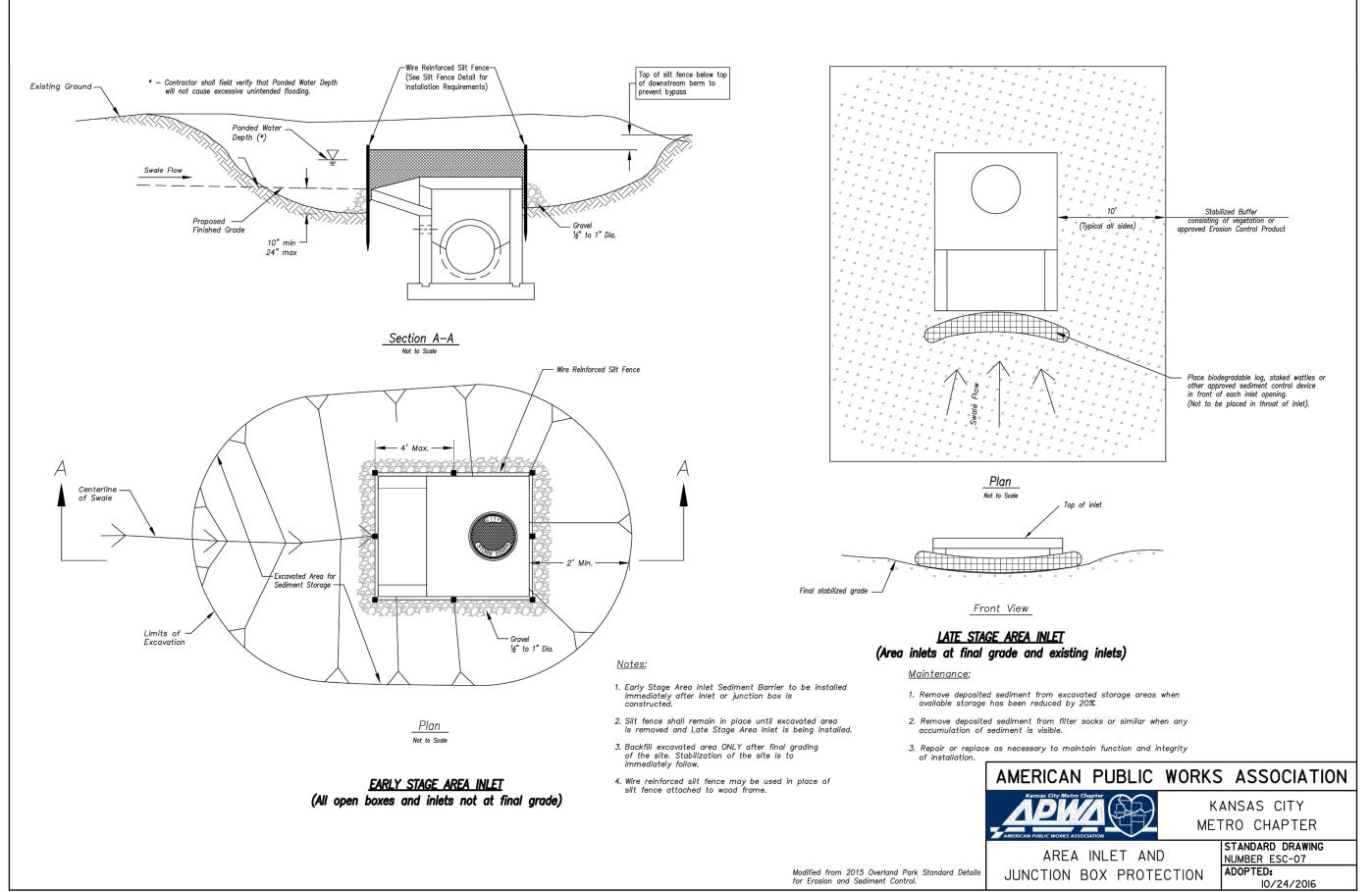
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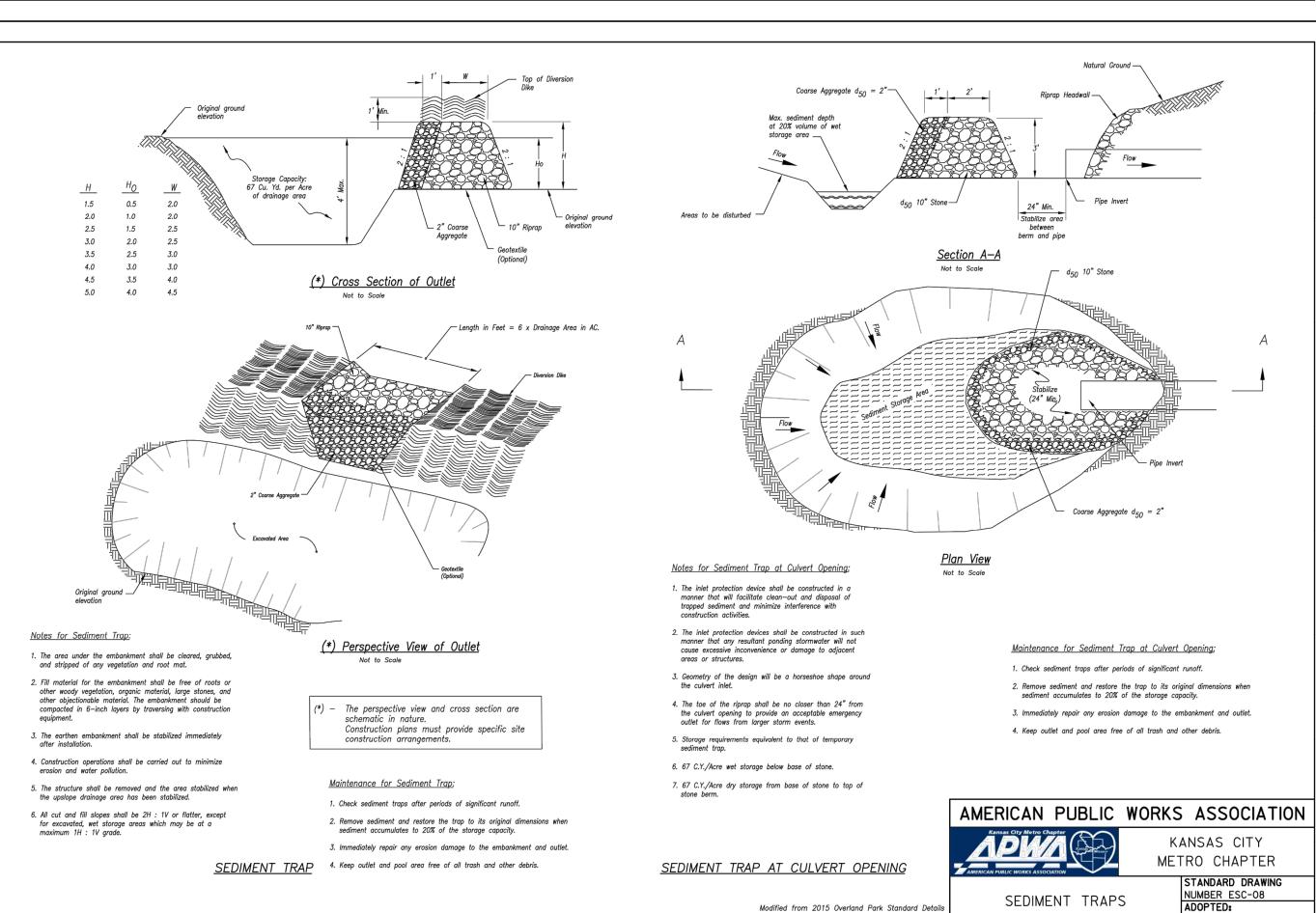
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> **EROSION CONTROL DETAILS**



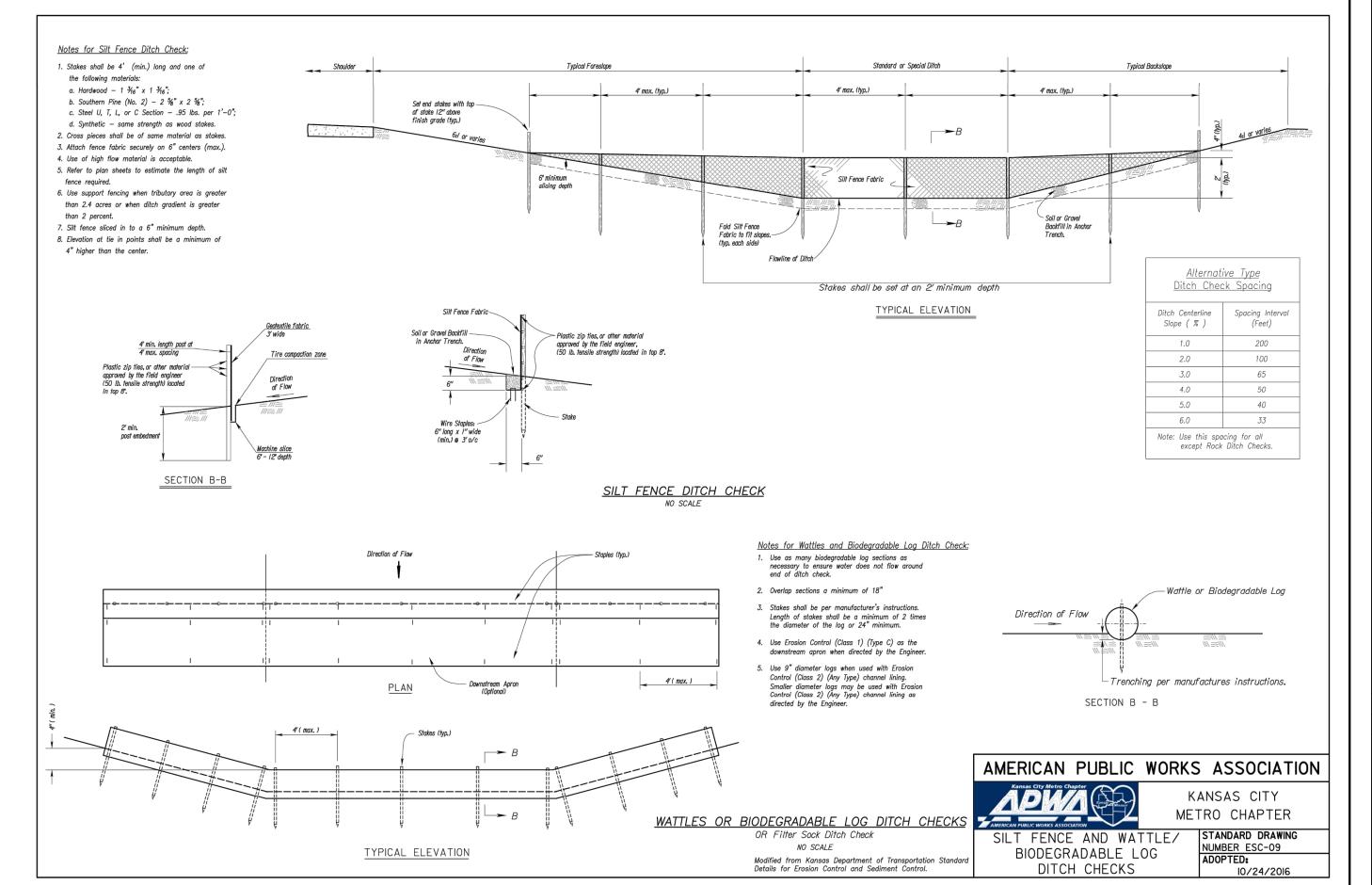




SEDIMENT TRAPS

10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.





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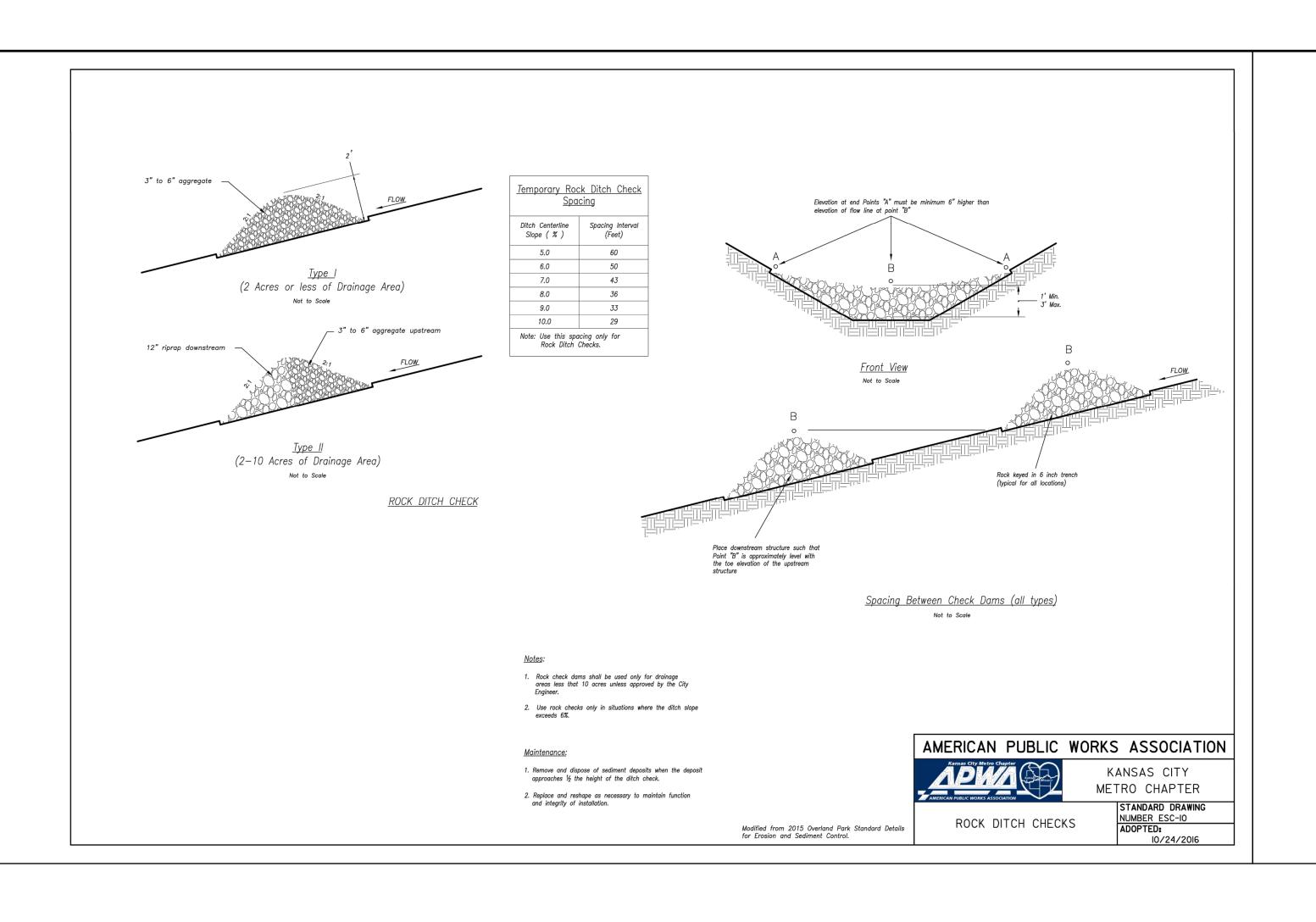
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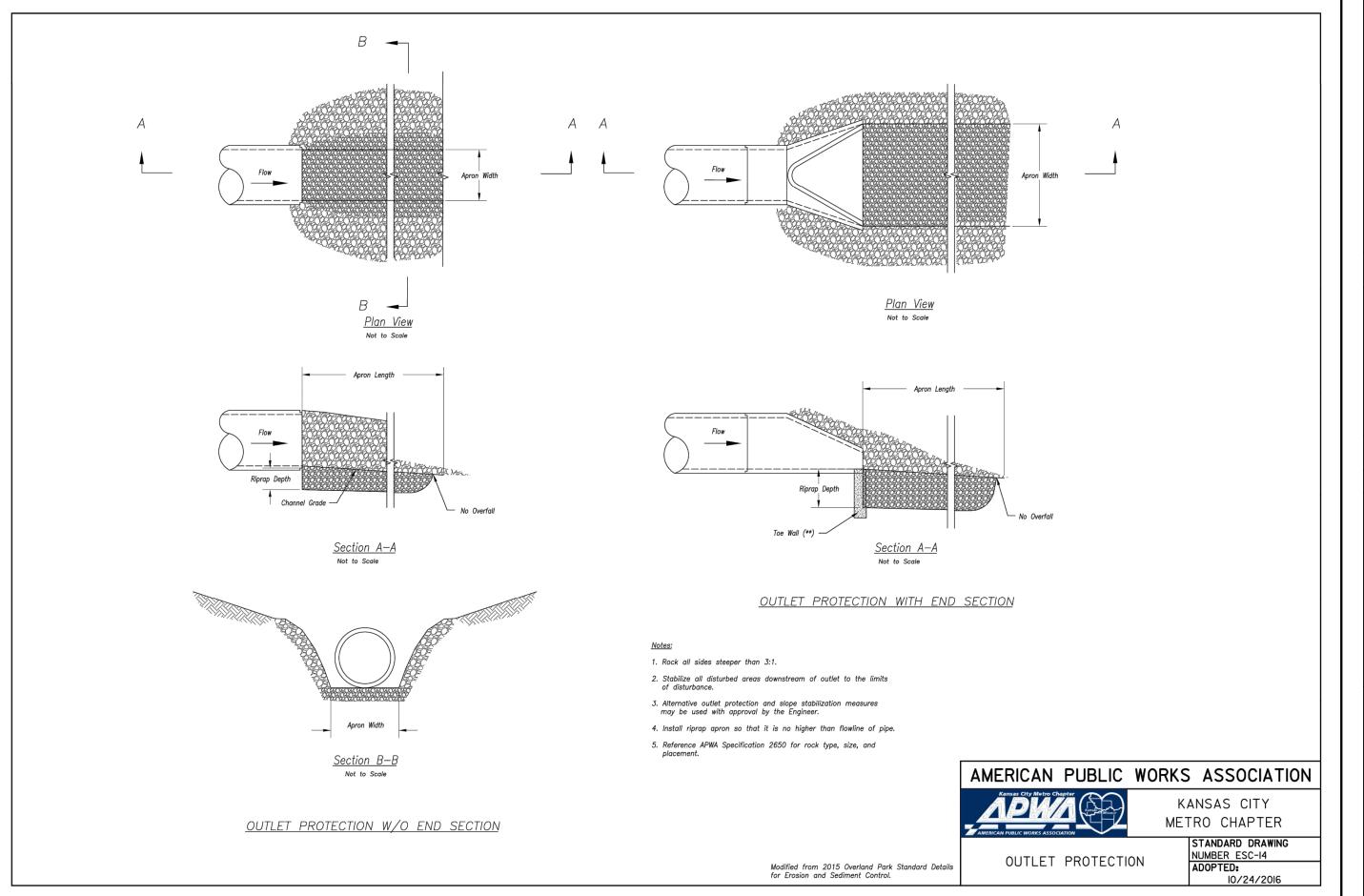
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Project No. B18-0330 02.05.20

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