



SECTION 30, TOWNSHIP 48N, RANGE 31W  
IN LEE'S SUMMIT, JACKSON COUNTY, MO

## PROJECT TEAM & UTILITY CONTACT LIST

## INDEX OF SHEETS

NO OIL OR GAS WELLS ARE LOCATED WITHIN PROJECT LIMITS.  
INFORMATION OBTAINED FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES,  
GEOLOGICAL SURVEY GEOSCIENCES TECHNICAL RESOURCE ASSESSMENT TOOL (GEOSTRAT).

THE ENTIRE SITE IS LOCATED WITHIN ZONE X, "AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM THE 1% ANNUAL CHANCE FLOOD" AS DEPICTED ON THE FEMA FLOOD INSURANCE RATE MAP (FIRM) MAP NUMBER 29095C0409G, REVISION DATE JANUARY 20, 2017.

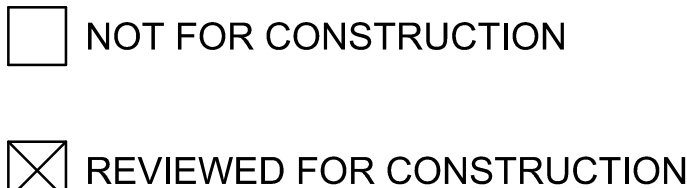


AS PROVIDED BY STEWART TITLE GUARANTY COMPANY:  
TRACT OF LAND IN THE NORTHEAST QUARTER OF SECTION 30 TOWNSHIP 48 NORTH, RANGE 31 WEST OF THE 5TH PRINCIPAL MERIDIAN IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI BEING BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID NORTHEAST QUARTER SECTION; THENCE SOUTH 01 DEGREES 37 MINUTES 50 SECONDS WEST, ON THE WEST LINE OF SAID QUARTER SECTION, 853.75 FEET TO A POINT ON THE SOUTHEAST LOT LINE OF LOT 1, LEE'S SUMMIT ROAD PUMP STATION, A SUBDIVISION RECORDED IN BOOK 1 51 AT PAGE  
90 IN THE JACKSON COUNTY RECORDER OF DEEDS OFFICE; THENCE NORTH 50 DEGREES 41 MINUTES 15 SECONDS EAST, ON SAID SOUTHEAST LOT LINE, 59.22 FEET; TO THE POINT OF BEGINNING OF THE TRACT OF LAND TO BE HEREIN DESCRIBED; THENCE CONTINUING NORTH 50 DEGREES 41 MINUTES 15 SECONDS EAST ALONG SAID LINE, 116.89 FEET; THENCE NORTH 44 DEGREES 49 MINUTES 51 SECONDS EAST, 792.38 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF NW LEE'S SUMMIT ROAD AS ESTABLISHED BY DOCUMENT NUMBER 2015EO017982 IN THE JACKSON COUNTY RECORDER OF DEEDS OFFICE; THENCE ON SAID WESTERLY RIGHT-OF-WAY LINE, SOUTH 54 DEGREES 34 MINUTES 12 SECONDS EAST, 95.69 FEET; THENCE SOUTHEASTERLY ALONG A CURVE TO THE RIGHT BEING TANGENT TO THE LAST DESCRIBED COURSE WITH A RADIUS OF 1,142.00 FEET, A CENTRAL ANGLE OF 56 DEGREES 01 MINUTES 43 SECONDS AND AN ARC DISTANCE OF 1,116.74 FEET; THENCE SOUTH 01 DEGREES 27 MINUTES 31 SECONDS WEST, 322.27 FEET; THENCE LEAVING SAID RIGHT-OF-WAY LINE, NORTH 88 DEGREES 32 MINUTES 29 SECONDS WEST, 375.74 FEET; THENCE NORTH 01 DEGREES 27 MINUTES 27 SECONDS EAST, 62.94 FEET; THENCE SOUTH 90 DEGREES 00 MINUTES 00 SECONDS WEST, 195.68 FEET; THENCE NORTH 45 DEGREES 00 MINUTES 00 SECONDS WEST, 889.18 FEET TO THE POINT OF BEGINNING, SUBJECT TO THAT PART, IF ANY, IN STREETS, ROADWAYS, HIGHWAYS OR OTHER PUBLIC RIGHT-OF-WAYS.

BMK 1  
LOCATED NEAR SE CORNER OF COLBERN RD. & DOUGLAS ST. INTERSECTION.  
N: 1012195.53  
E: 282382.89  
EL: 982.46

BMK 2  
LOCATED ON LIGHTPOLE BASE AT NE CORNER OF LEE'S SUMMIT RD. & DOUGLAS ST INTERSECTION.  
N: 1014699.72  
E: 2823025.86  
EL: 932.31

BMK\_5  
N: 1014159.31  
E: 2822030.75  
EL: 908.88



**olson**



NICHOLAS D. HEISER, P.E.  
MO# 2015000555

[illegible]

**TITLE SHEET**  
**SITE GRADING & SITE DISTURBANCE PLANS**

# ARIA APARTMENTS PHASE 1

LEE'S SUMMIT, MO

drawn by: M.J.D.  
checked by: N.D.H.  
designed by: M.J.D.  
QA/QC by: N.D.H.  
project no.: 019-0012-B  
date: 2020.06.12

SHEET  
C100



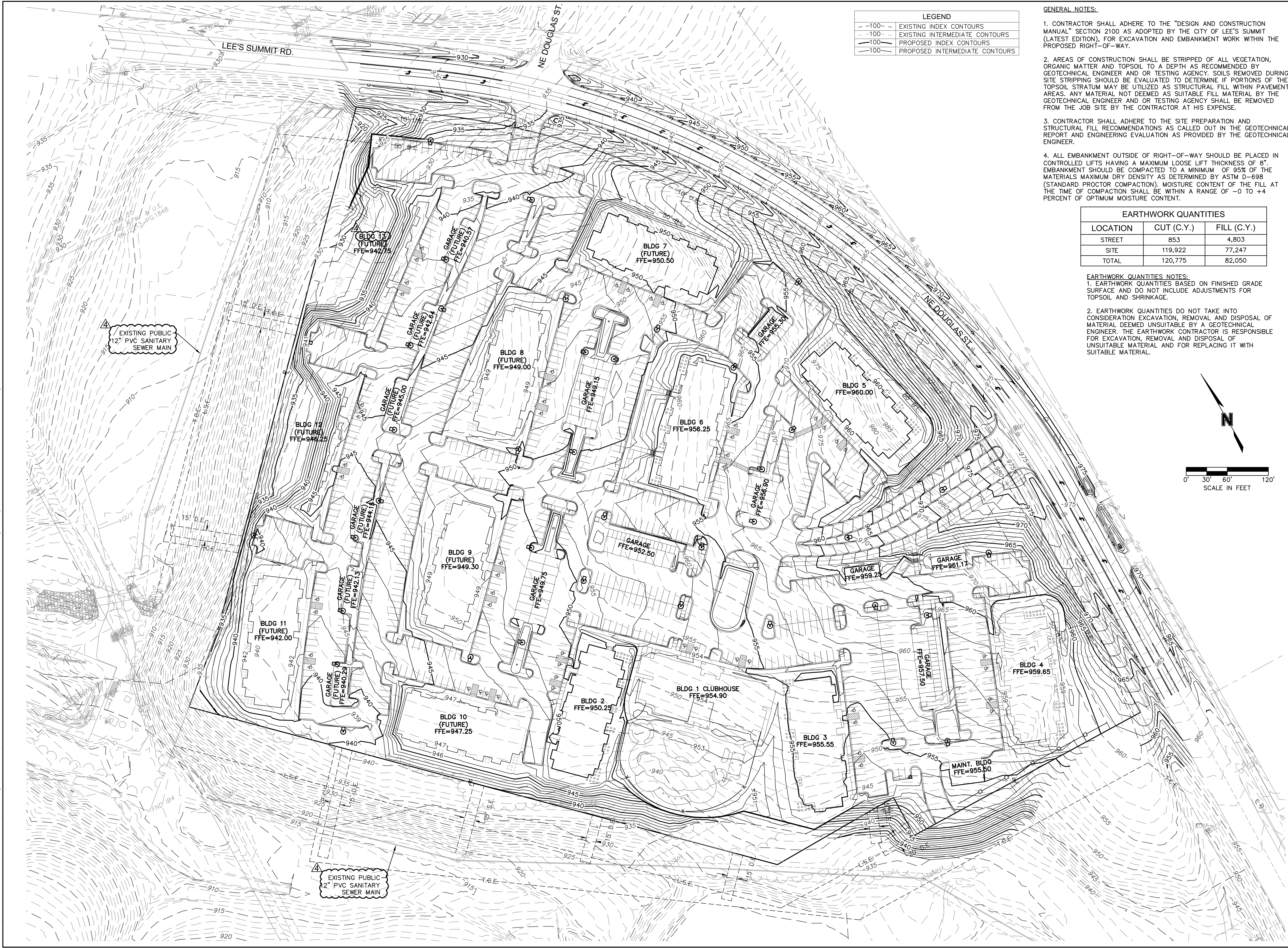








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LEGEND	
-100-	EXISTING INDEX CONTOURS
100	EXISTING INTERMEDIATE CONTOURS
-100-	PROPOSED INDEX CONTOURS
100	PROPOSED INTERMEDIATE CONTOURS

- GENERAL NOTES:
1. CONTRACTOR SHALL ADHERE TO THE "DESIGN AND CONSTRUCTION MANUAL" SECTION 2100 AS ADOPTED BY THE CITY OF LEE'S SUMMIT (LATEST EDITION), FOR EXCAVATION AND EMBANKMENT WORK WITHIN THE PROPOSED RIGHT-OF-WAY.
  2. AREAS OF CONSTRUCTION SHALL BE STRIPPED OF ALL VEGETATION, ORGANIC MATTER AND TOPSOIL TO A DEPTH AS RECOMMENDED BY GEOTECHNICAL ENGINEER AND OR TESTING AGENCY. SOILS REMOVED DURING SITE STRIPPING SHOULD BE EVALUATED TO DETERMINE IF PORTIONS OF THE TOPSOIL STRATUM MAY BE UTILIZED AS STRUCTURAL FILL WITHIN PAVEMENT AREAS. ANY MATERIAL NOT DEEMED AS SUITABLE FILL MATERIAL BY THE GEOTECHNICAL ENGINEER AND OR TESTING AGENCY SHALL BE REMOVED FROM THE JOB SITE BY THE CONTRACTOR AT HIS EXPENSE.
  3. CONTRACTOR SHALL ADHERE TO THE SITE PREPARATION AND STRUCTURAL FILL RECOMMENDATIONS AS CALLED OUT IN THE GEOTECHNICAL REPORT AND ENGINEERING EVALUATION AS PROVIDED BY THE GEOTECHNICAL ENGINEER.
  4. ALL EMBANKMENT OUTSIDE OF RIGHT-OF-WAY SHOULD BE PLACED IN CONTROLLED LIFTS HAVING A MAXIMUM LOOSE LIFT THICKNESS OF 8". EMBANKMENT SHOULD BE COMPACTED TO A MINIMUM OF 95% OF THE MATERIALS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698 (STANDARD PROCTOR COMPACTION). MOISTURE CONTENT OF THE FILL AT THE TIME OF COMPACTION SHALL BE WITHIN A RANGE OF -0 TO +4 PERCENT OF OPTIMUM MOISTURE CONTENT.

EARTHWORK QUANTITIES		
LOCATION	CUT (C.Y.)	FILL (C.Y.)
STREET	853	4,803
SITE	119,922	77,247
TOTAL	120,775	82,050

- EARTHWORK QUANTITIES NOTES:
1. EARTHWORK QUANTITIES BASED ON FINISHED GRADE SURFACE AND DO NOT INCLUDE ADJUSTMENTS FOR TOPSOIL AND SHRINKAGE.
  2. EARTHWORK QUANTITIES DO NOT TAKE INTO CONSIDERATION EXCAVATION, REMOVAL AND DISPOSAL OF MATERIAL DEEMED UNSUITABLE BY A GEOTECHNICAL ENGINEER. THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR EXCAVATION, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND FOR REPLACING IT WITH SUITABLE MATERIAL.

grading plan  
site grading & site disturbance plans

aria apartments  
phase 1

lee's summit, mo

2020

revisions

drawn by: M.J.D.  
checked by: N.D.H.  
designed by: M.J.D.  
QA/QC by: N.D.H.  
project no.: 019-0012-B  
date: 2020.06.12

sheet  
C103

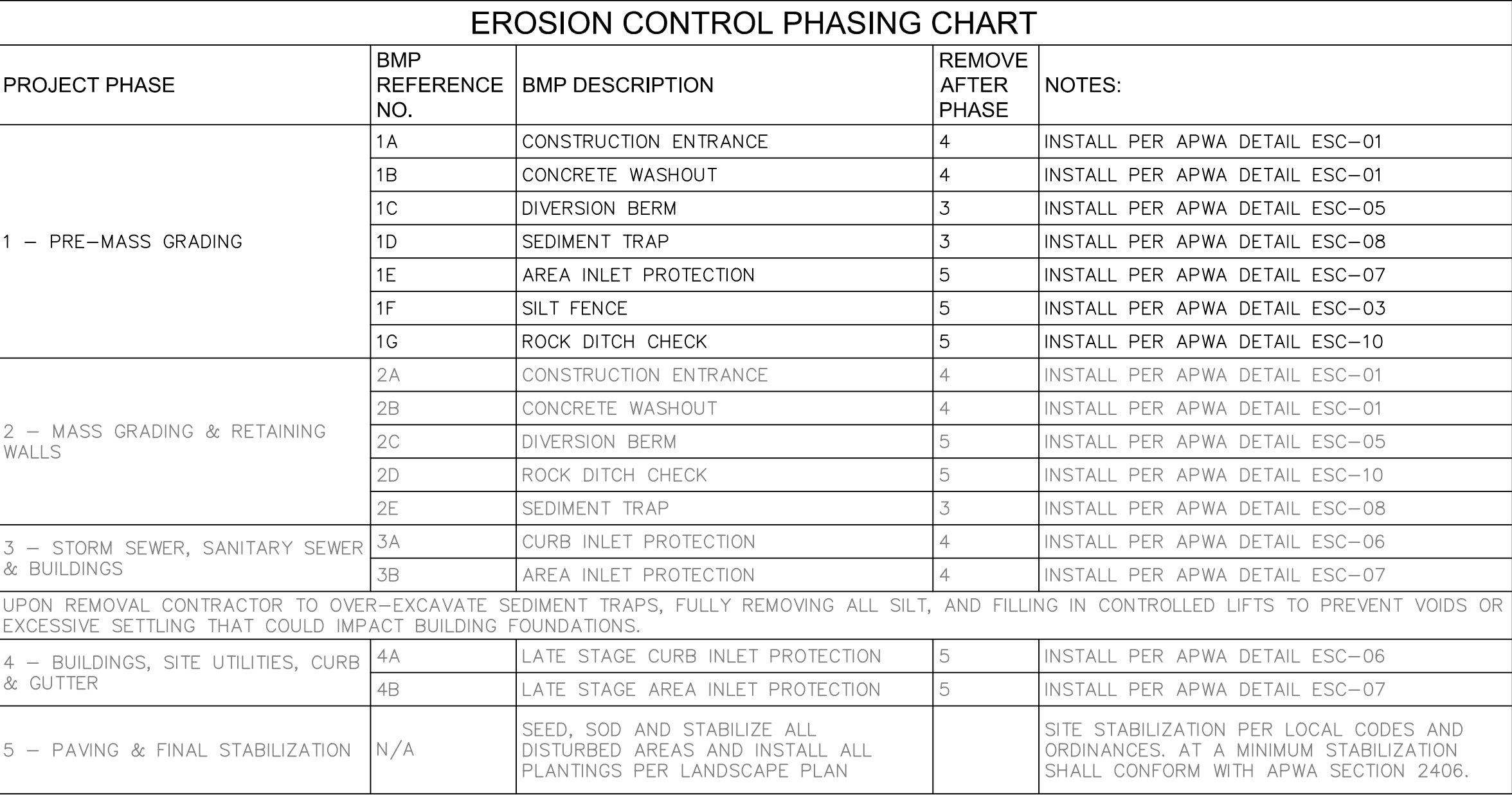
olsson





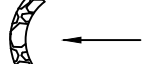
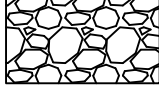



OLSSON - CIVIL ENGINEERING  
NO. CERTIFICATE OF AUTHORITY #001582  
NICHOLAS D. HEISER, P.E.  
MO# 2015000555  
NORTH KANSAS CITY, MO 64116  
TEL 816.361.1177  
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STATE OF MISSOURI  
NICHOLAS D. HEISER, P.E.  
03/16/2021  
NUMBER  
PE-2015000555  
PROFESSIONAL ENGINEER

BY: [Signature]  
NO. REV. DATE REVISIONS DESCRIPTION  
1 2020.07.22 REVISIONS PER CITY COMMENTS  
2 2020.08.27 REVISED GRADING PER CITY COMMENTS  
3 2021.02.04 REVISED GRADING AND EROSION CONTROL  
4 2021.03.16 REVISED PER CITY COMMENTS






LEGEND	
	SILT FENCE
	STORM DRAIN INLET PROTECTION
	TEMPORARY DIVERSION BERM
	CONCRETE WASHOUT
	ROCK DITCH CHECK
	TEMPORARY STONE CONSTRUCTION ENTRANCE
	SEED/SOD/LANDSCAPE
	SOIL STABILIZATION BLANKETS & MATTING
	SEDIMENT TRAP DRAINAGE BOUNDARY

NOTE: THE SITE DISTURBANCE PLANS INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE FINAL DEVICES ARE IN PLACE.

CONTRACTOR TO KEEP SWPPP REPORTS AND MDRR PERMIT IN THE ON-SITE CONSTRUCTION OFFICE TRAILER. TRAILER LOCATION TO BE DETERMINED BY CONTRACTOR

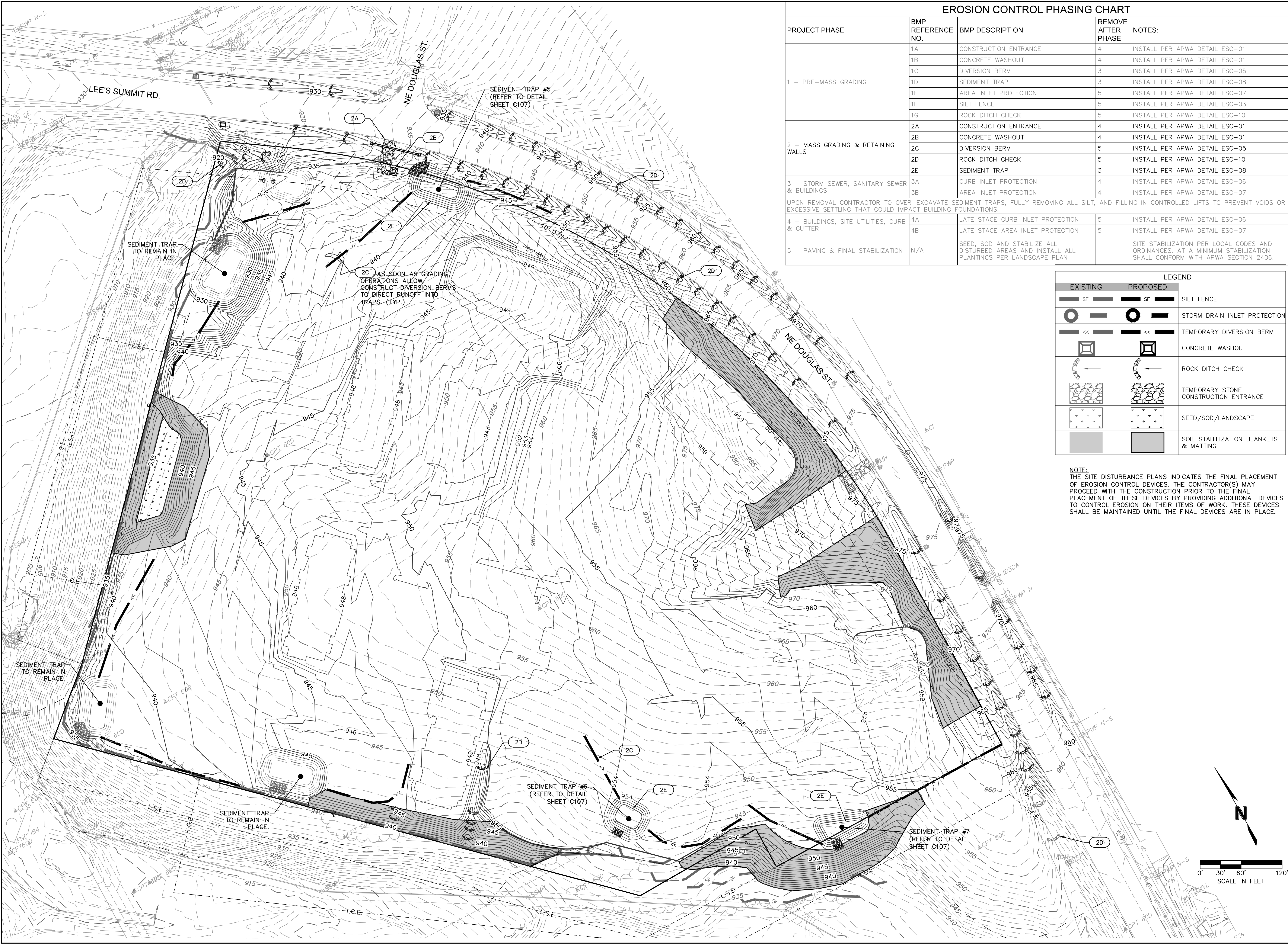
drawn by: _____ M.J.D. checked by: _____ N.D.H. designed by: _____ M.J.D. QA/QC by: _____ N.D.H. project no.: 013-0012-B date: 2020.06.12		EROSION CONTROL PLAN - PHASE 1 SITE GRADING & SITE DISTURBANCE PLANS		NO. REV.		DATE	REVISIONS DESCRIPTION	BY
		ARIA APARTMENTS PHASE 1		1	2020.07.22	REVISED PER CITY COMMENTS		
2	2020.08.27			REVISED GRADING PER CITY COMMENTS				
3	2021.02.04			REVISED GRADING AND EROSION CONTROL				
4	2021.03.16			REVISED PER CITY COMMENTS				
LEE'S SUMMIT, MO		2020	REVISIONS					
<div>olsson</div> <div>OLSSON - CIVIL ENGINEERING 1101 WEST 10TH AVENUE, SUITE 100 NORTH KANSAS CITY, MO 64116 TEL. 816.381.1177 www.olsson.com</div> <div><p>NICHOLAS D. HEISER, P.E. MO# 2015000555</p></div>								
















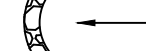
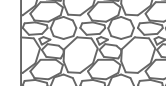


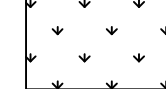




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EROSION CONTROL PHASING CHART

PROJECT PHASE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER PHASE	NOTES:
1 - PRE-MASS GRADING	1A	CONSTRUCTION ENTRANCE	4	INSTALL PER APWA DETAIL ESC-01
	1B	CONCRETE WASHOUT	4	INSTALL PER APWA DETAIL ESC-01
	1C	DIVERSION BERM	3	INSTALL PER APWA DETAIL ESC-05
	1D	SEDIMENT TRAP	3	INSTALL PER APWA DETAIL ESC-08
	1E	AREA INLET PROTECTION	5	INSTALL PER APWA DETAIL ESC-07
	1F	SILT FENCE	5	INSTALL PER APWA DETAIL ESC-03
	1G	ROCK DITCH CHECK	5	INSTALL PER APWA DETAIL ESC-10
2 - MASS GRADING & RETAINING WALLS	2A	CONSTRUCTION ENTRANCE	4	INSTALL PER APWA DETAIL ESC-01
	2B	CONCRETE WASHOUT	4	INSTALL PER APWA DETAIL ESC-01
	2C	DIVERSION BERM	5	INSTALL PER APWA DETAIL ESC-05
	2D	ROCK DITCH CHECK	5	INSTALL PER APWA DETAIL ESC-10
	2E	SEDIMENT TRAP	3	INSTALL PER APWA DETAIL ESC-08
3 - STORM SEWER, SANITARY SEWER & BUILDINGS	3A	CURB INLET PROTECTION	4	INSTALL PER APWA DETAIL ESC-06
	3B	AREA INLET PROTECTION	4	INSTALL PER APWA DETAIL ESC-07
UPON REMOVAL CONTRACTOR TO OVER-EXCAVATE SEDIMENT TRAPS, FULLY REMOVING ALL SILT, AND FILLING IN CONTROLLED LIFTS TO PREVENT VOIDS OR EXCESSIVE SETTLING THAT COULD IMPACT BUILDING FOUNDATIONS.				
4 - BUILDINGS, SITE UTILITIES, CURB & GUTTER	4A	LATE STAGE CURB INLET PROTECTION	5	INSTALL PER APWA DETAIL ESC-06
	4B	LATE STAGE AREA INLET PROTECTION	5	INSTALL PER APWA DETAIL ESC-07
5 - PAVING & FINAL STABILIZATION	N/A	SEED, SOD AND STABILIZE ALL DISTURBED AREAS AND INSTALL ALL PLANTINGS PER LANDSCAPE PLAN		SITE STABILIZATION PER LOCAL CODES AND ORDINANCES. AT A MINIMUM STABILIZATION SHALL CONFORM WITH APWA SECTION 2406.

LEGEND		
EXISTING	PROPOSED	
 SF	 SF	SILT FENCE
 	 	STORM DRAIN INLET PROTECTION
 <<	 <<	TEMPORARY DIVERSION BERM
		CONCRETE WASHOUT
		ROCK DITCH CHECK
		TEMPORARY STONE CONSTRUCTION ENTRANCE
		SEED/SOD/LANDSCAPE
		SOIL STABILIZATION BLANKETS & MATTING

NOTE:  
THE SITE DISTURBANCE PLANS INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE FINAL DEVICES ARE IN PLACE.

erosion control plan - PHASE 2  
SITE GRADING & SITE DISTURBANCE PLANS

ARIA APARTMENTS  
PHASE 1

LEE'S SUMMIT, MO

NO. REV.

DATE

REVISIONS DESCRIPTION

BY

REVISIONS

drawn by: M.J.D.  
checked by: M.J.D.  
designed by: M.J.D.  
QA/QC by: M.J.D.  
project no.: 019-0012-B  
date: 2020.06.12

SHEET  
C106

olsson

NICHOLAS D. HEISER, P.E.  
MO# 2015000555

















STATE OF MISSOURI  
NICHOLAS D. HEISER  
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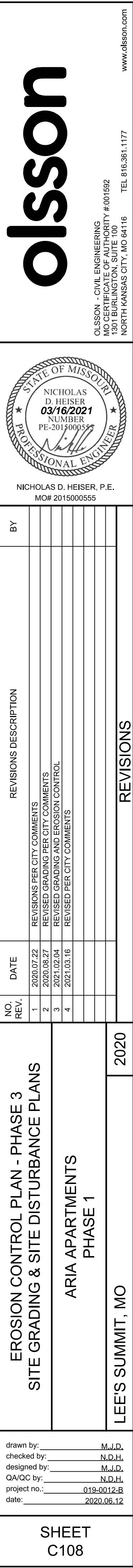






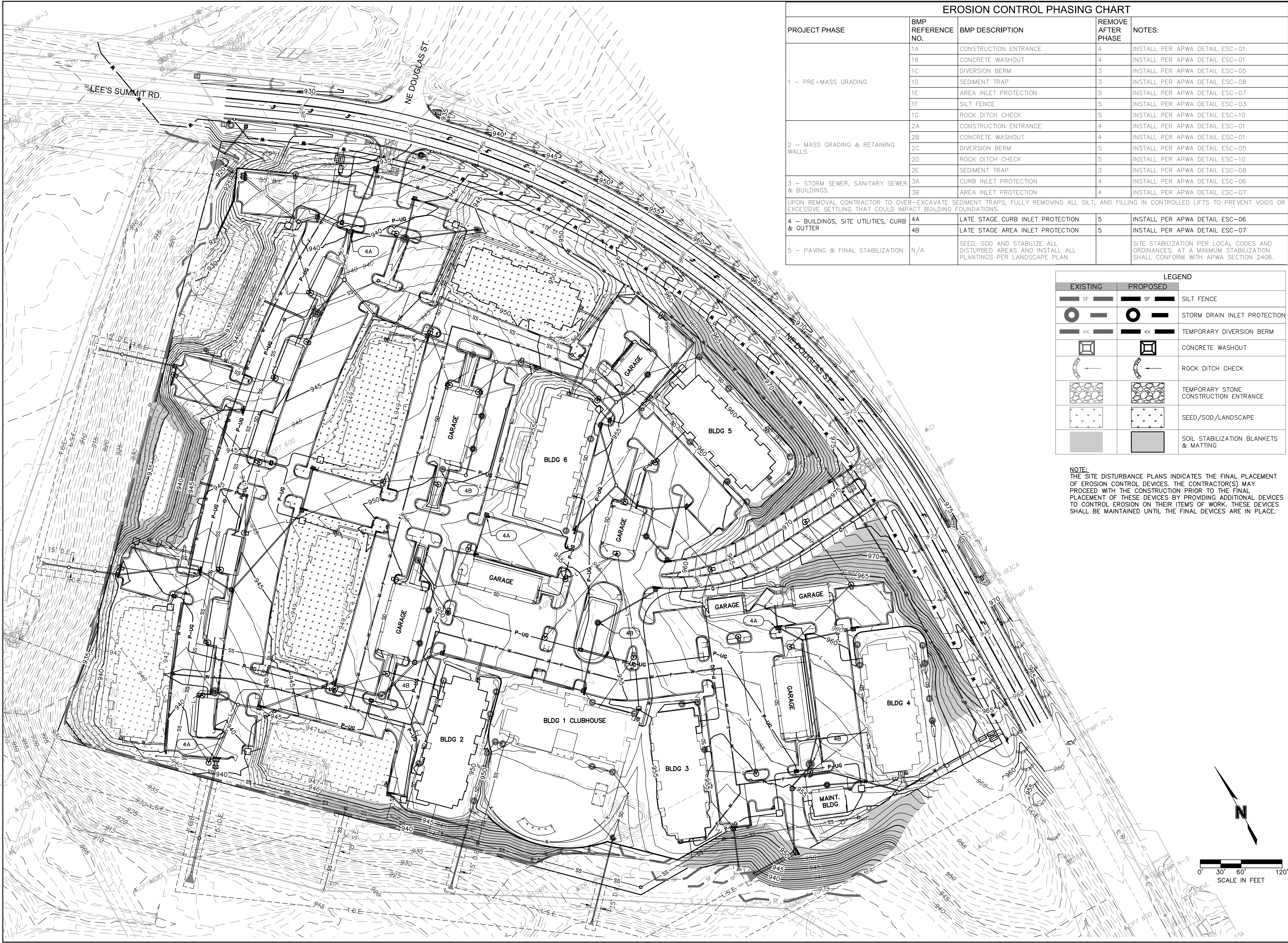
LEGEND		
EXISTING	PROPOSED	
 SF	 SF	SILT FENCE
		STORM DRAIN INLET PROTECTION
		TEMPORARY DIVERSION BERM
		CONCRETE WASHOUT
		ROCK DITCH CHECK
		TEMPORARY STONE CONSTRUCTION ENTRANCE
		SEED/SOD/LANDSCAPE
		SOIL STABILIZATION BLANKETS & MATTING

**NOTE:**  
THE SITE DISTURBANCE PLANS INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE FINAL DEVICES ARE IN PLACE.












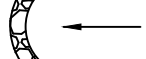
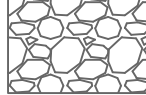
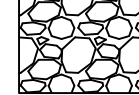
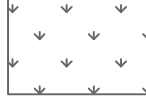
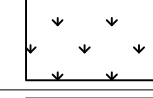




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EROSION CONTROL PHASING CHART

PROJECT PHASE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER PHASE	NOTES:
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	1B	CONCRETE WASHOUT	4	INSTALL PER APWA DETAIL ESC-01
	1C	DIVERSION BERM	3	INSTALL PER APWA DETAIL ESC-05
	1D	SEDIMENT TRAP	3	INSTALL PER APWA DETAIL ESC-08
	1E	AREA INLET PROTECTION	5	INSTALL PER APWA DETAIL ESC-07
	1F	SILT FENCE	5	INSTALL PER APWA DETAIL ESC-03
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UPON REMOVAL CONTRACTOR TO OVER-EXCAVATE SEDIMENT TRAPS, FULLY REMOVING ALL SILT, AND FILLING IN CONTROLLED LIFTS TO PREVENT VOIDS OR EXCESSIVE SETTLING THAT COULD IMPACT BUILDING FOUNDATIONS.				
4 - BUILDINGS, SITE UTILITIES, CURB & GUTTER	4A	LATE STAGE CURB INLET PROTECTION	5	INSTALL PER APWA DETAIL ESC-06
	4B	LATE STAGE AREA INLET PROTECTION	5	INSTALL PER APWA DETAIL ESC-07
5 - PAVING & FINAL STABILIZATION	N/A	SEED, SOD AND STABILIZE ALL DISTURBED AREAS AND INSTALL ALL PLANTINGS PER LANDSCAPE PLAN		SITE STABILIZATION PER LOCAL CODES AND ORDINANCES. AT A MINIMUM STABILIZATION SHALL CONFORM WITH APWA SECTION 2406.

LEGEND		
EXISTING	PROPOSED	
		SILT FENCE
		STORM DRAIN INLET PROTECTION
		TEMPORARY DIVERSION BERM
		CONCRETE WASHOUT
		ROCK DITCH CHECK
		TEMPORARY STONE CONSTRUCTION ENTRANCE
		SEED/SOD/LANDSCAPE
		SOIL STABILIZATION BLANKETS & MATTING

NOTE:  
THE SITE DISTURBANCE PLANS INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE FINAL DEVICES ARE IN PLACE.

erosion control plan - PHASE 4  
SITE GRADING & SITE DISTURBANCE PLANS

ARIA APARTMENTS  
PHASE 1

LEE'S SUMMIT, MO

NO. REV.

DATE

REVISIONS DESCRIPTION

1 2020.07.22 REVISIONS PER CITY COMMENTS

2 2020.08.27 REVISED GRADING PER CITY COMMENTS

3 2021.02.04 REVISED GRADING AND EROSION CONTROL

4 2021.03.16 REVISED PER CITY COMMENTS

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SHEET  
C109

olsson

NICHOLAS D. HEISER, P.E.  
MO# 2015000555

STATE OF MISSOURI  
NICHOLAS D. HEISER  
03/16/2021  
NUMBER  
PE-2015000555  
PROFESSIONAL ENGINEER

REVISIONS

2020

OLSSON - CIVIL ENGINEERING  
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NORTH KANSAS CITY, MO 64116  
TEL. 816.381.1177  
WWW.OLSSON.COM













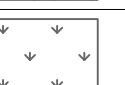
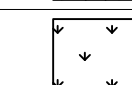




GENERAL NOTES:

SEED & MULCH NOTES:  
SEEDING SHALL BE DONE BEFORE THE PROPOSED SEEDBED BECOMES ERODED, CRUSTED OVER, OR DRIED OUT AND SHALL NOT BE DONE WHEN THE GROUND IS FROZEN, OR COVERED WITH SNOW. THE SEED SHALL COMPLY WITH THE REQUIREMENTS OF THE MISSOURI SEED LAW AND THE FEDERAL SEED ACT. ALSO, IT SHALL CONTAIN NO SEED OF ANY PLANT ON THE FEDERAL NOXIOUS WEED LIST. OTHER WEED SEED SHALL NOT EXCEED ONE PERCENT BY WEIGHT OF MIX.

SEED & FERTILIZER RATE:  
MIX I - RYE GRASS / BLUE GRASS -----100 LBS. PER ACRE  
MIX II - TALL FESCUE / BLUE GRASS -----195 LBS. PER ACRE  
LIME -----2000 LBS. PER ACRE (50 LBS. PER 1000 SQ. FT.)  
FERTILIZER -----800 TO 1200 LBS. PER ACRE (25 LBS. PER 1000 SQ. FT.)


DURING THE DATES DECEMBER 15TH THROUGH MAY 31 ALL LIME, FERTILIZER, SEED, AND MULCH SHALL BE APPLIED TO FINISHED SLOPES OF DISTURBED AREAS. DURING THE MONTHS OF JUNE, JULY, OCTOBER, AND NOVEMBER 1ST THROUGH DECEMBER 15TH, LIME, FERTILIZER, SEED, AND MULCH SHALL BE APPLIED AT THE FOLLOWING RATES:  
LIME - 100 % OF SPECIFIED QUANTITY  
FERTILIZER - 75 % OF THE SPECIFIED QUANTITY  
SEED - 50 % OF THE SPECIFIED QUANTITY  
MULCH - 100 % OF THE SPECIFIED QUANTITY  
MULCH SHALL BE VEGETATIVE TYPE, CEREAL STRAW FROM STALKS OF OATS, RYE, OR BARLEY, OR APPROVED EQUIVALENT. THE STRAW SHALL BE FREE OF PROHIBITED WEED SEED AND RELATIVELY FREE OF ALL OTHERS AND UNDESIRABLE SEED. MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. (70 TO 90 LBS. PER 1000 SQ. FT.). MULCH SHALL BE EMBEDDED BY A MULCH ANCHORING TOLL OR DISK TYPE ROLLER HAVING FLAT SERRATED DISKS SPACED NOT MORE THAN 10 INCHES APART AND CLEANING SCRAPERS SHALL BE PROVIDED.

LEGEND		
EXISTING	PROPOSED	
		SILT FENCE
		STORM DRAIN INLET PROTECTION
		TEMPORARY DIVERSION BERM
		CONCRETE WASHOUT
		ROCK DITCH CHECKS
		TEMPORARY STONE CONSTRUCTION ENTRANCE
		SEED/SOD/LANDSCAPE
		SOIL STABILIZATION BLANKETS & MATTING

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: right;"> <p>drawn by: _____ M.J.D.</p> <p>checked by: _____ N.D.H.</p> <p>designed by: _____ M.J.D.</p> <p>QA/QC by: _____ N.D.H.</p> <p>project no.: _____ 018-9012-8</p> <p>date: _____ 2020.09.12</p> </div> <div style="text-align: left;"> <p>2020</p> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <p>EROSION CONTROL PLAN - PHASE 5</p> <p>SITE GRADING &amp; SITE DISTURBANCE PLANS</p> </div> <div> <p>ARIA APARTMENTS</p> <p>PHASE 1</p> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <p>LEE'S SUMMIT, MO</p> </div> <div> <p>2020</p> </div> </div>	
		<div style="display: flex; justify-content: space-between;"> <div> <p>NO. DATE</p> <p>1 2020.07.22</p> <p>2 2020.08.27</p> <p>3 2021.02.04</p> <p>4 2021.03.16</p> </div> <div> <p>REVISIONS PER CITY COMMENTS</p> <p>REVISED GRADING PER CITY COMMENTS</p> <p>REVISED GRADING AND EROSION CONTROL</p> <p>REVISED PER CITY COMMENTS</p> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <p>REVISIONS DESCRIPTION</p> <p>REVISIONS</p> </div> <div> <p>BY</p> </div> </div>	

NICHOLAS D. HEISER, P.E.

MO# 2015000555

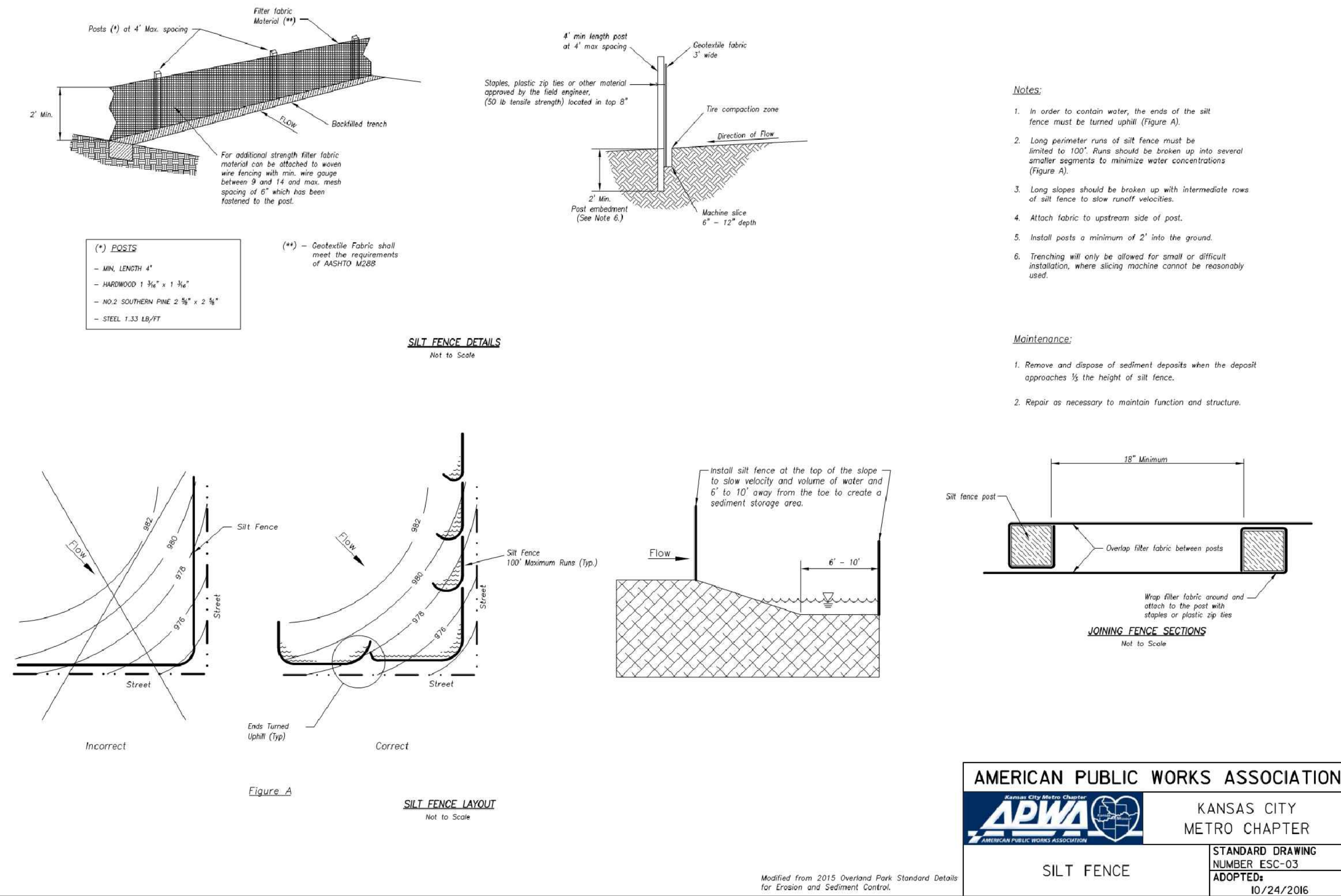
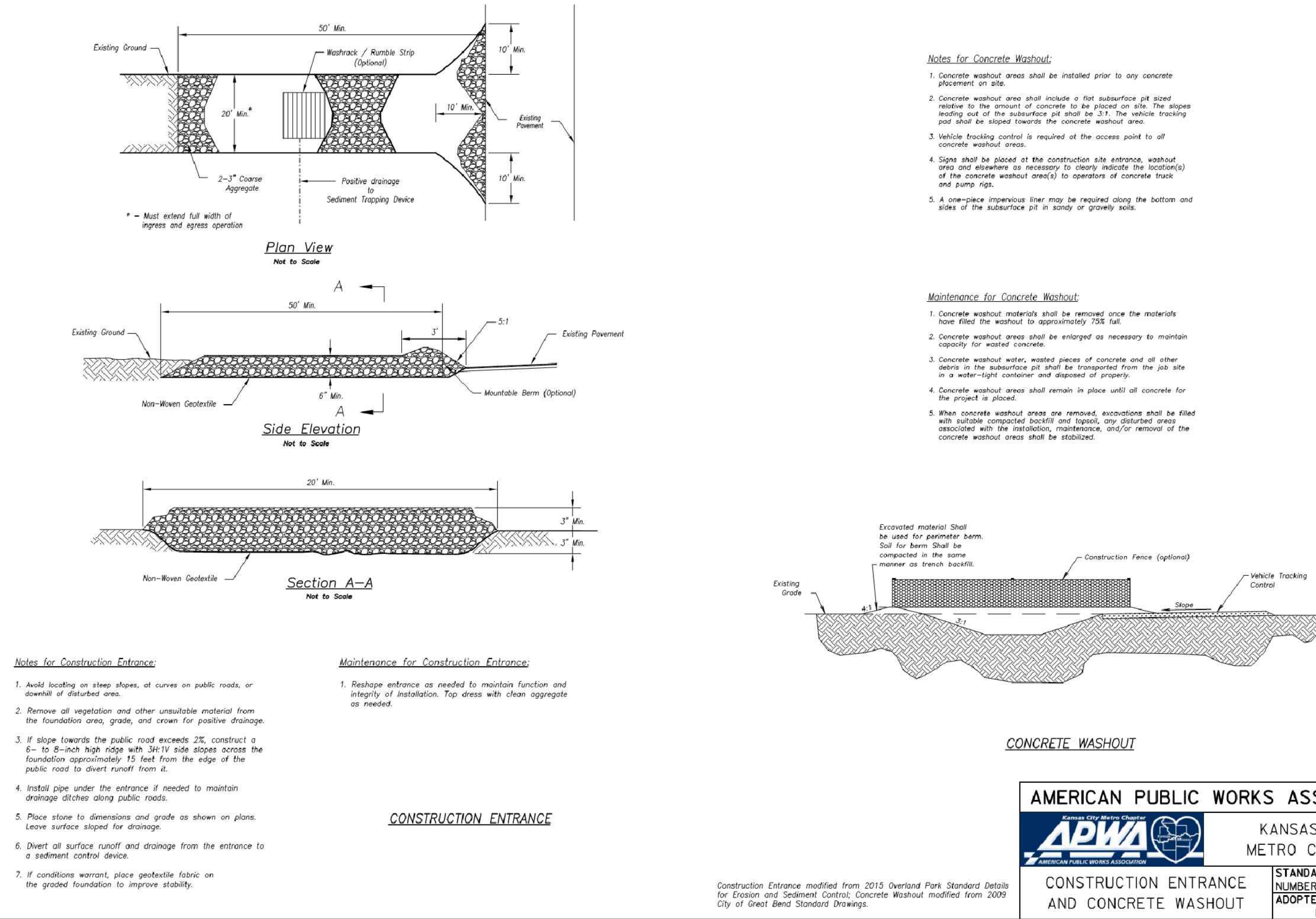
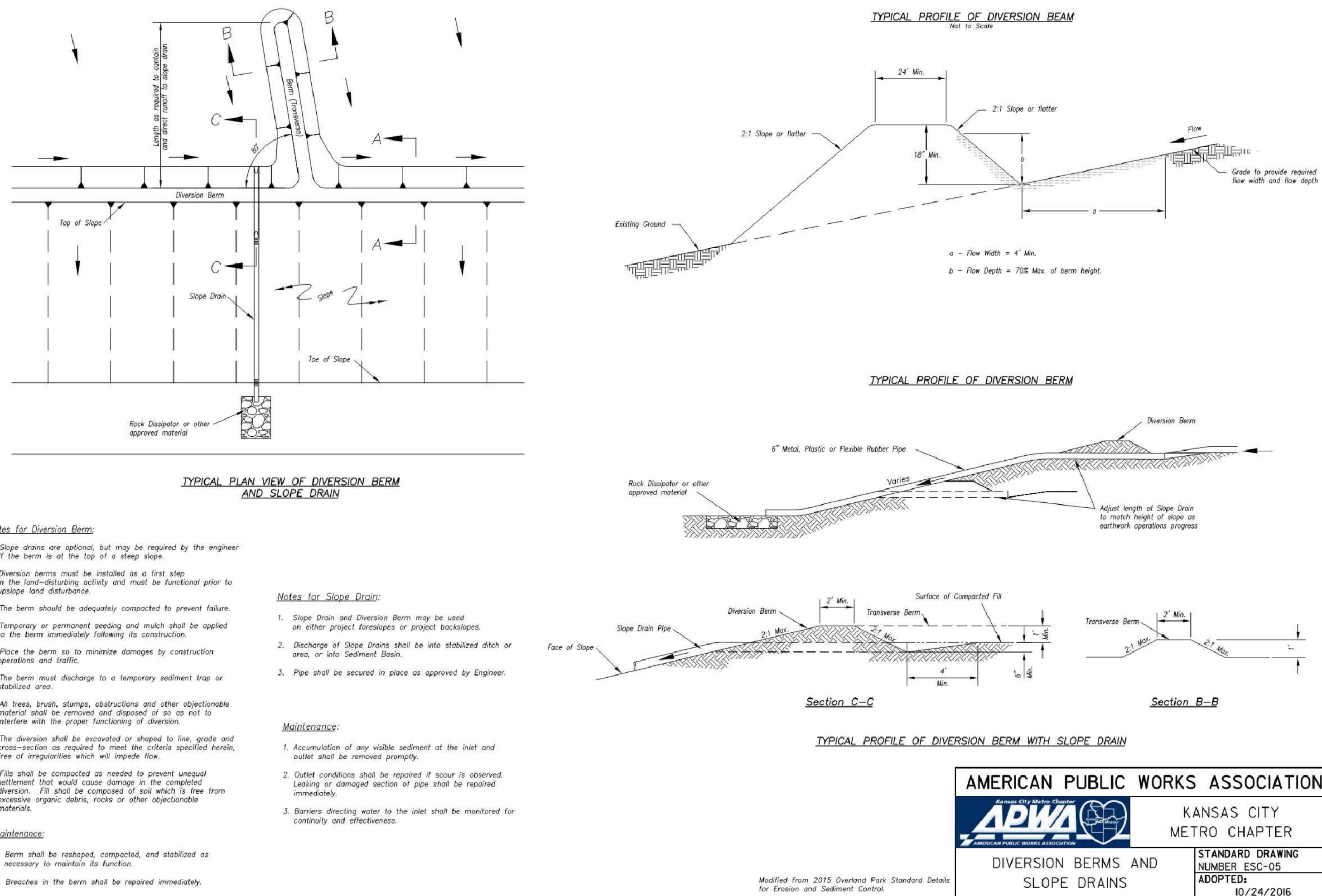
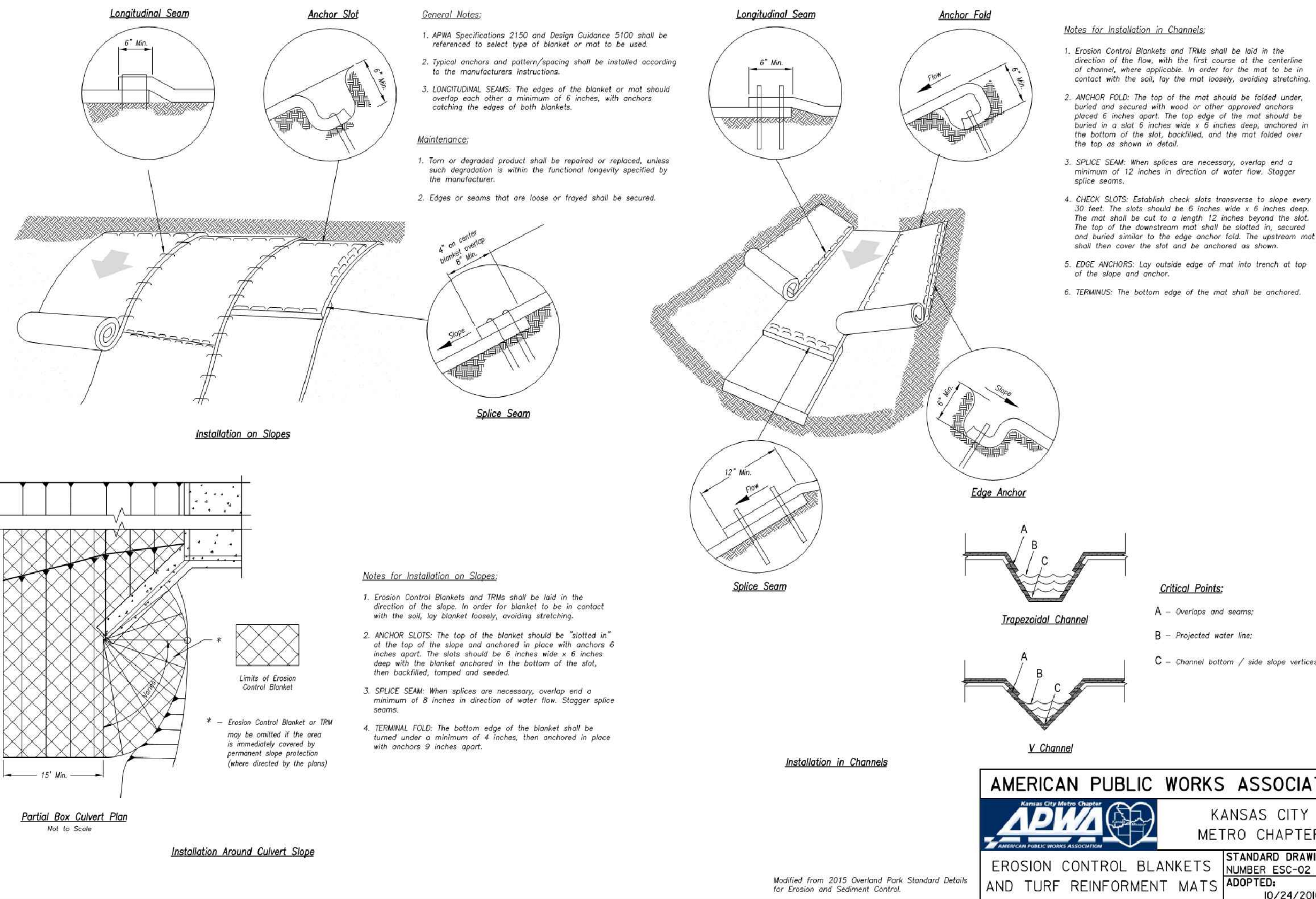


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SHEET

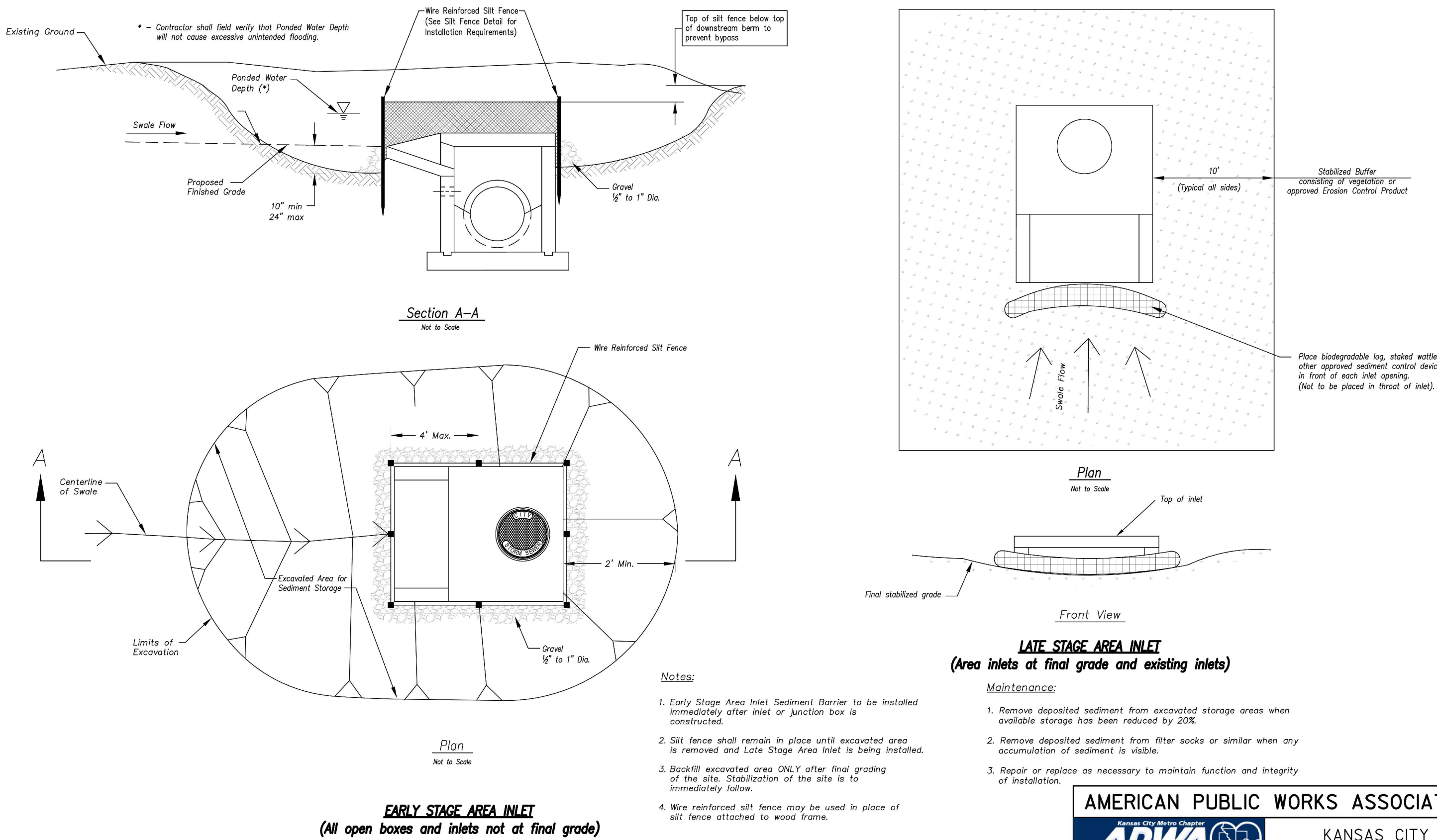
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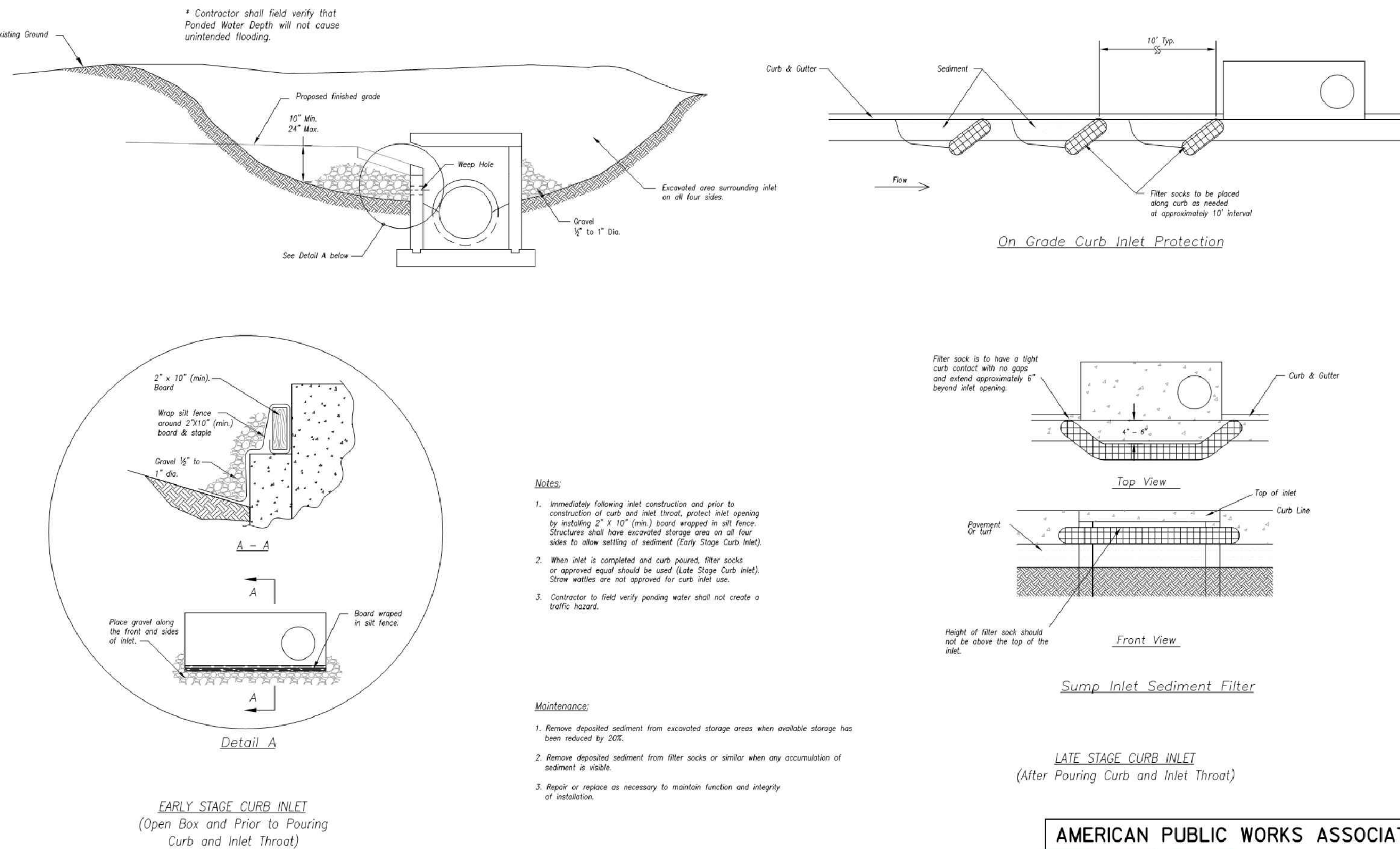


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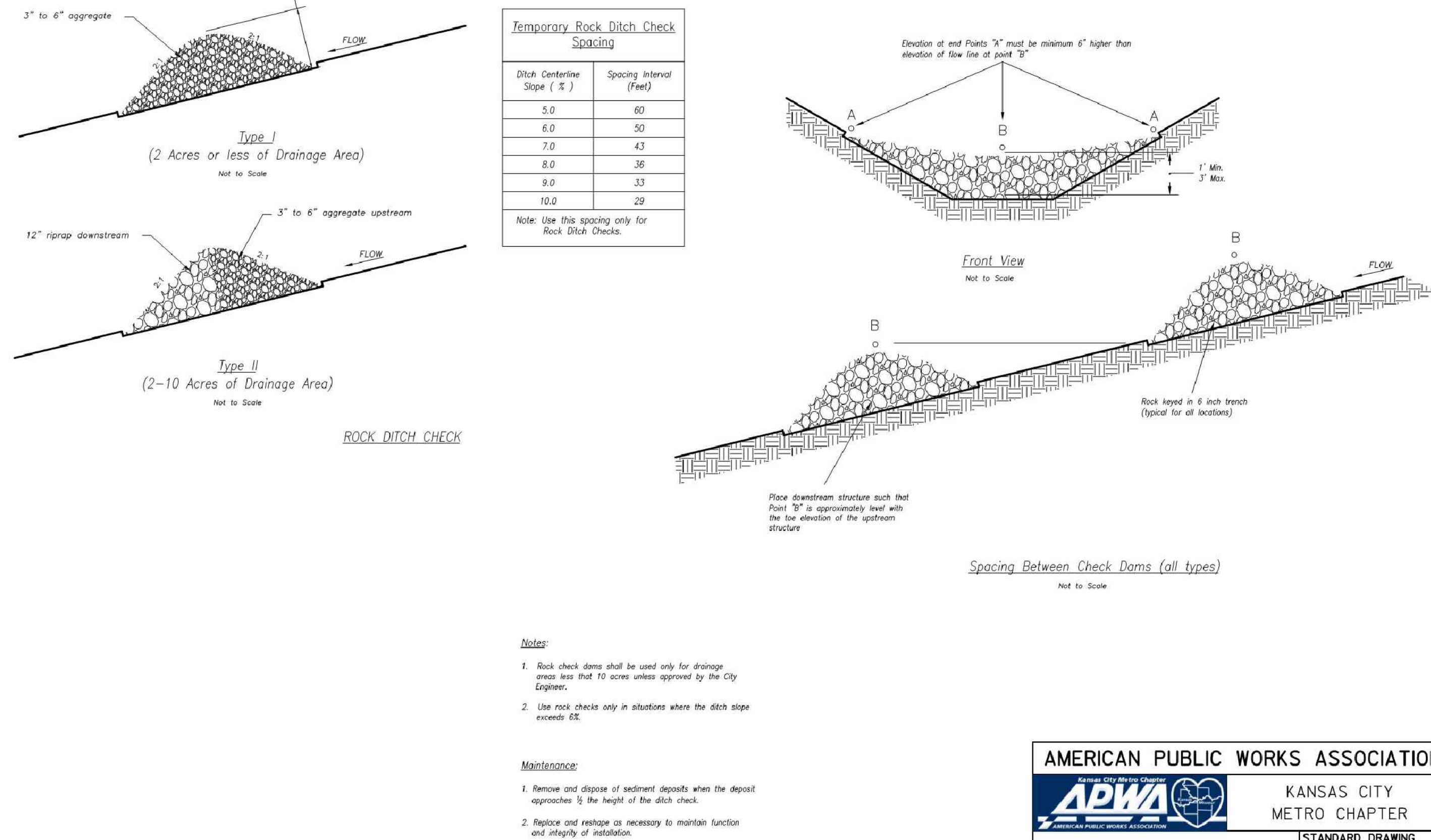
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KANSAS CITY METRO CHAPTER  
AREA INLET AND JUNCTION BOX PROTECTION  
STANDARD DRAWING NUMBER ESC-07  
ADOPTED: 10/24/2016

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



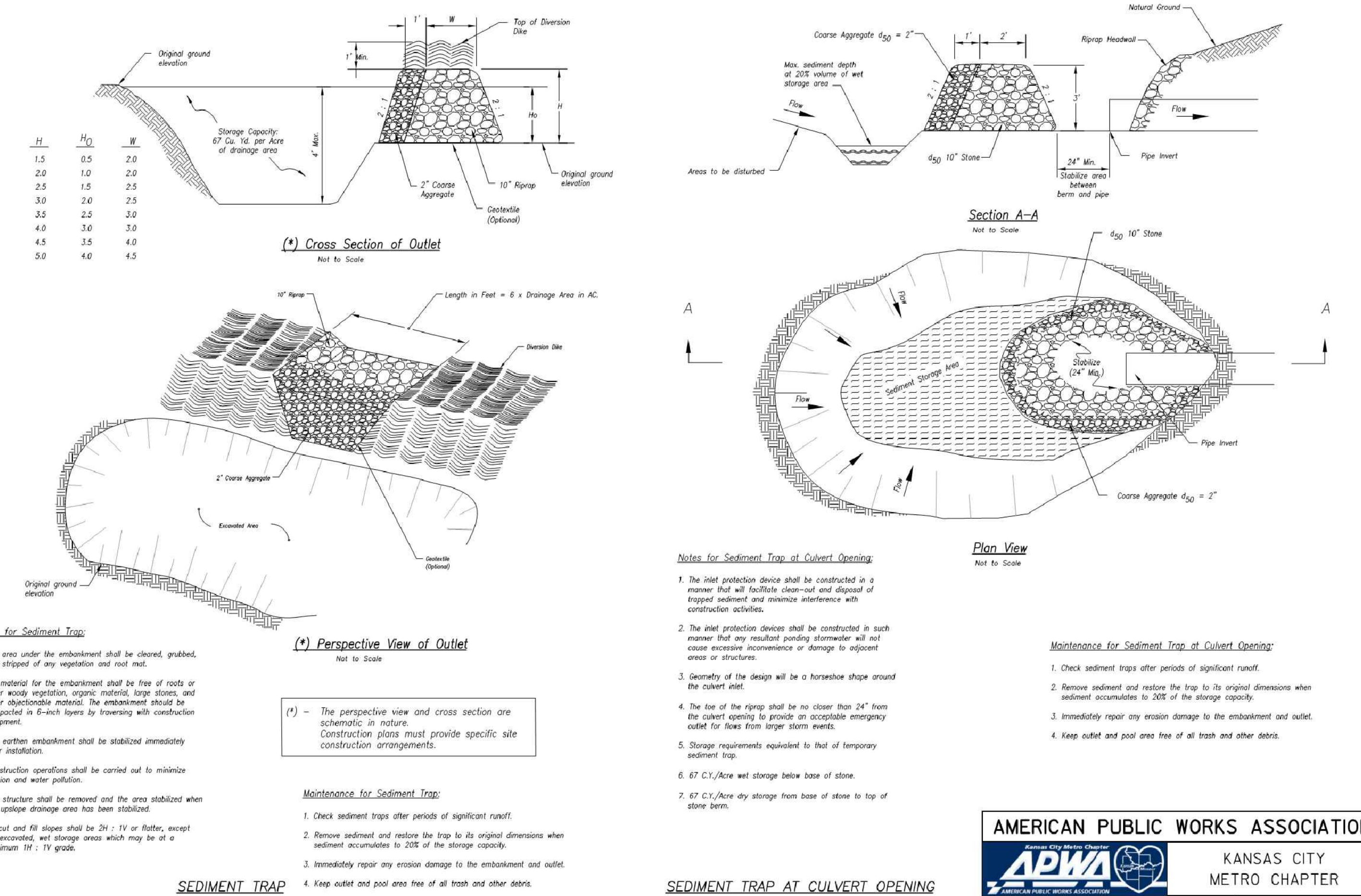
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KANSAS CITY METRO CHAPTER  
CURB INLET PROTECTION  
STANDARD DRAWING NUMBER ESC-06  
ADOPTED: 10/24/2016

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KANSAS CITY METRO CHAPTER  
ROCK DITCH CHECKS  
STANDARD DRAWING NUMBER ESC-10  
ADOPTED: 10/24/2016

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Kansas City Metro Chapter  
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SEDIMENT TRAPS  
STANDARD DRAWING NUMBER ESC-08  
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03/16/2021  
NUMBER PE-2015000555  
PROFESSIONAL ENGINEER  
NICHOLAS D. HEISER, P.E.  
MO# 2015000555

**REVISIONS**

NO.	REV.	DATE	REVISIONS DESCRIPTION
1	2020.07.22	2020.07.22	REVISIONS PER CITY COMMENTS
2	2020.08.27	2020.08.27	REVISED GRADING PER CITY COMMENTS
3	2021.02.04	2021.02.04	REVISED GRADING AND EROSION CONTROL
4	2021.03.16	2021.03.16	REVISED PER CITY COMMENTS

**DETAIL SHEET**  
**SITE GRADING & SITE DISTURBANCE PLANS**  
**ARIA APARTMENTS**  
**PHASE 1**  
**LEE'S SUMMIT, MO**  
**2020**

drawn by: M.J.D.  
checked by: N.D.H.  
designed by: M.J.D.  
QA/QC by: N.D.H.  
project no.: 019-0012-B  
date: 2020.06.12

**SHEET**  
**C112**