



PROJECT TEAM & UTILITY CONTACT LIST	
<u>OWNER / DEVELOPER</u> CLAYTON PROPERTIES GROUP, LLC, DBA SUMMIT HOMES 120 SE 30TH STREET LEE'S SUMMIT, MO 64082 CONTACT: VINCENT WALKER PHONE: 816.246.6700 FAX: 816.246.2662	<u>UTILITY SERVICE NUMBERS</u> NAME: DEVELOPMENT SERVICES PHONE: 816-969-1200  NAME: LEE'S SUMMIT WATER & SERVICES DEPARTMENT PHONE: 816-969-1940  NAME: SPIRE (MGE) PHONE: 314-342-0500
<u>ENGINEER</u> OLSSON 1301 BURLINGTON, SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: JULIE E SELLERS, P.E. PHONE: 816.361.1177	NAME: AT&T PHONE: 800-286-8313  NAME: EVERGY PHONE: 816-471-5275
<u>SURVEYOR</u> OLSSON 1301 BURLINGTON, SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: JASON ROUBEUSH, PL S PHONE: 816.361.1177	NAME: SPECTRUM (TWC) PHONE: 877-772-2253  NAME: GOOGLE FIBER PHONE: 877-454-6959
<u>GEOTECHNICAL ENGINEER</u> OLSSON 1700 E. 123RD ST. OLATHE, KS 66061 CONTACT: JAMES LANDRUM PHONE: 816.829.0078	



REVIEWED FOR CONSTRUCTION




ELEVATION: 979.24

SECTION 2, TOWNSHIP 47 N, RANGE 32 W  
IN LEE'S SUMMIT, JACKSON COUNTY, MO



PART OF LOT 38, WEST VILLAGE COMMERCIAL DEVELOPMENT, LOTS 3A AND 3B, A SUBDIVISION RECORDED AS INSTRUMENT NUMBER 19E0018413 IN BOOK 1182 AT PAGE 62 IN JACKSON COUNTY RECORDER OF DEEDS OFFICE LOCATED IN THE NORTHEAST AND SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 47 NORTH, RANGE 32 WEST OF THE 5TH PRINCIPAL MERIDIAN IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI BEING BOUNDED AND DESCRIBED BY OR UNDER THE DIRECT SUPERVISION OF JASON S ROUBEUSH, P.L.S. 2002014092 AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SOUTHEAST QUARTER; THENCE NORTH 87°47'03" WEST, ON THE SOUTH LINE OF SAID SOUTHEAST QUARTER 2,633.21 FEET TO THE SOUTHWEST CORNER OF SAID SOUTHEAST QUARTER; THENCE NORTH 03°05'41" EAST, ON THE WEST LINE OF SAID SOUTHEAST QUARTER 1,326.26 FEET TO THE SOUTHWEST CORNER OF SAID LOT 3B, SAID EASTERLY LINE AND SOUTHWEST CORNER OF SAID NORTH HALF SOUTHEAST QUARTER, ALSO BEING A POINT ON THE EASTERLY LINE OF SAID STERLING HILLS 5TH PLAT, A SUBDIVISION IN SAID LEE'S SUMMIT RECORDED AS INSTRUMENT NUMBER 11273788 IN BOOK 154 AT PAGE 88 IN SAID JACKSON COUNTY RECORDER OF DEEDS OFFICE, ALSO BEING THE SOUTHWEST CORNER OF PROPOSED WOODSIDE RIDGE 1ST PLAT, LOTS 1 THRU 143 INCLUSIVE, AND TRACTS A, B, C, D, E, F, G AND H; THENCE NORTH 03°05'41" EAST ON SAID WEST LINE AND SAID EASTERLY LINE, ALSO BEING THE WEST LINE OF SAID LOT 3B, ALSO BEING THE WESTERLY LINE OF PROPOSED WOODSIDE RIDGE 1ST PLAT, LOTS 1 THRU 143 INCLUSIVE, AND TRACTS A, B, C, D, E, F, G AND H, 389.26 FEET TO THE POINT OF BEGINNING OF THE TRACT OF LAND TO BE HEREIN DESCRIBED; THENCE LEAVING SAID PROPOSED WESTERLY LINE, CONTINUING NORTH 03°05'41" EAST ON SAID WEST LINES AND SAID EASTERLY LINES, 936.61 FEET TO THE NORTHEAST CORNER OF SAID STERLING HILLS 5TH PLAT, ALSO BEING A POINT ON THE EASTERLY LINE OF WINTERSET WOODS - 3RD PLAT, A SUBDIVISION IN SAID LEE'S SUMMIT RECORDED AS INSTRUMENT NUMBER 20030002463 IN BOOK 174 AT PAGE 14 IN SAID JACKSON COUNTY RECORDER OF DEEDS OFFICE, ALSO BEING THE NORTHWEST CORNER OF SAID SOUTHEAST QUARTER; THENCE NORTH 83°26'14" EAST, ON THE SAID WEST LINE SAID LOT 3B, SAID EASTERLY LINE AND SOUTHWEST CORNER OF SAID NORTH HALF SOUTHEAST QUARTER, ALSO BEING THE SOUTHWEST CORNER OF SAID SOUTH HALF OF SAID SOUTH HALF OF SAID SOUTHEAST QUARTER, ALSO BEING THE NORTHWEST CORNER OF SAID SOUTH HALF OF SAID SOUTH HALF OF SAID WINTERSET WOODS - 3RD PLAT, ALSO BEING A POINT ON THE SOUTHERLY LINE OF BROOKRIDGE ESTATES - SECOND PLAT LOTS 39-84, A SUBDIVISION IN SAID LEE'S SUMMIT RECORDED AS INSTRUMENT NUMBER 1802804 IN BOOK 144 AT PAGE 57 IN SAID JACKSON COUNTY RECORDER OF DEEDS OFFICE; THENCE SOUTH 87°37'42" EAST, ALONG SAID SOUTHERLY LINE, ALSO ALONG THE NORTH LINE OF SAID LOT 3B, ALSO BEING THE NORTH LINE OF SAID SOUTH HALF OF SAID SOUTH HALF OF SAID NORTHEAST QUARTER, ALSO BEING THE SOUTH LINE OF THE FOREST OF BROOKRIDGE ESTATES - THIRD PLAT LOTS 117 - 133, A DISTANCE OF 1,210.45 FEET TO THE SOUTHEAST CORNER OF SAID THE FOREST OF BROOKRIDGE ESTATES - THIRD PLAT LOTS 117 - 133 AND TO A POINT ON SAID PROPOSED WESTERLY LINE; THENCE SOUTH 87°37'42" EAST ON SAID NORTH LINE OF SAID SOUTH HALF OF SAID SOUTH HALF, SAID NORTH LINE OF SAID LOT 3B, AND SAID PROPOSED WESTERLY LINE, 54.95 FEET; THENCE LEAVING SAID NORTH LINES, SOUTH 25°30'36" WEST, ALONG SAID PROPOSED WESTERLY LINE, 222.61 FEET; THENCE WESTERLY, ALONG SAID PROPOSED WESTERLY LINE, ON A CURVE TO THE LEFT, HAVING AN INITIAL TANGENT BEARING OF NORTH 69°27'24" WEST WITH A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 00°42'28" AND AN ARC DISTANCE OF 5.25 FEET; THENCE SOUTH 19°50'07" WEST, ALONG SAID PROPOSED WESTERLY LINE 178.42 FEET; THENCE SOUTH 85°52'23" WEST, ALONG SAID PROPOSED WESTERLY LINE, 130.41 FEET; THENCE SOUTH 70°59'24" WEST, ALONG SAID PROPOSED WESTERLY LINE, 137.47 FEET; THENCE SOUTH 61°49'26" WEST, ALONG SAID PROPOSED WESTERLY LINE, 951.56 FEET; THENCE SOUTH 21°24'31" WEST, ALONG SAID PROPOSED WESTERLY LINE, 135.10 FEET; THENCE WESTERLY, ALONG SAID PROPOSED WESTERLY LINE, ALONG A CURVE TO THE LEFT HAVING AN INITIAL TANGENT BEARING OF NORTH 68°35'29" WEST WITH A RADIUS OF 275.00 FEET, A CENTRAL ANGLE OF 12°33'32" AND AN ARC DISTANCE OF 60.28 FEET; THENCE SOUTH 08°50'59" WEST, ALONG SAID PROPOSED WESTERLY LINE, 50.00 FEET; THENCE SOUTH 22°12'04" WEST, ALONG SAID PROPOSED WESTERLY LINE, 173.03 FEET; THENCE NORTH 75°51'31" WEST, ALONG SAID PROPOSED WESTERLY LINE, 21.43 FEET; THENCE SOUTH 41°11'03" WEST, ALONG SAID PROPOSED WESTERLY LINE, 60.06 FEET; THENCE SOUTH 29°55'27" WEST, ALONG SAID PROPOSED WESTERLY LINE, 306.11 FEET; THENCE SOUTH 85°54'26" WEST, ALONG SAID PROPOSED WESTERLY LINE, 236.75 FEET TO THE POINT OF BEGINNING. CONTAINING 1,514,368 SQUARE FEET OR 34.77 ACRES, MORE OR LESS.

Sheet #	Title
C401	COVER SHEET
C402	GENERAL NOTES
C403	GENERAL LAYOUT
C404	GRADING PLAN
C405	GRADING PLAN
C406	GRADING PLAN
C407	SITE DISTURBANCE PLAN - PROJECT STAGE A
C408	SITE DISTURBANCE PLAN - PROJECT STAGE A
C409	SITE DISTURBANCE PLAN - PROJECT STAGE A
C410	SEDIMENT BASIN DETAILS
C411	SITE DISTURBANCE PLAN - PROJECT STAGE B
C412	SITE DISTURBANCE PLAN - PROJECT STAGE B
C413	SITE DISTURBANCE PLAN - PROJECT STAGE B
C414	SITE DISTURBANCE PLAN - PROJECT STAGE C
C415	SITE DISTURBANCE PLAN - PROJECT STAGE C
C416	SITE DISTURBANCE PLAN - PROJECT STAGE C
C417	DETAIL SHEET
C418	DETAIL SHEET

  
 JULIE E SELLERS, P.E.  
 CIVIL ENGINEER  
 MO# 2017000367

1. FEMA FIRM MAP NUMBER 29095C0416G SHOWS THE ENTIRE SITE IS LOCATED WITHIN ZONE X, "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."
2. NO OIL OR GAS WELLS OR UNDERMINED AREAS ARE PRESENT ON THE SITE.

STATE OF MISSOURI  
JULIE ELAINE  
SELLERS  
NUMBER  
PE-2017000367  
7/10/20  
PROFESSIONAL ENGINEER

REVISIONS DESCRIPTION

COVER SHEET  
SITE DISTURBANCE PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT MO

drawn by: \_\_\_\_\_ C.S.M  
checked by: \_\_\_\_\_ S.M.S  
designed by: \_\_\_\_\_ C.S.M  
QA/QC by: \_\_\_\_\_ J.E.S  
project no.: \_\_\_\_\_ C18-1140  
date: \_\_\_\_\_ 2020.06.09

SHEET  
C401

REVISIONS

2020

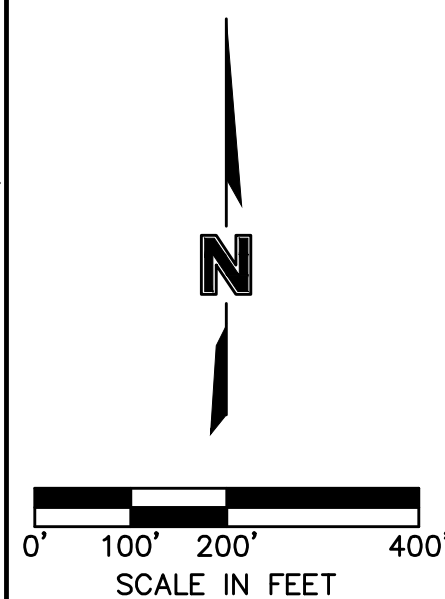
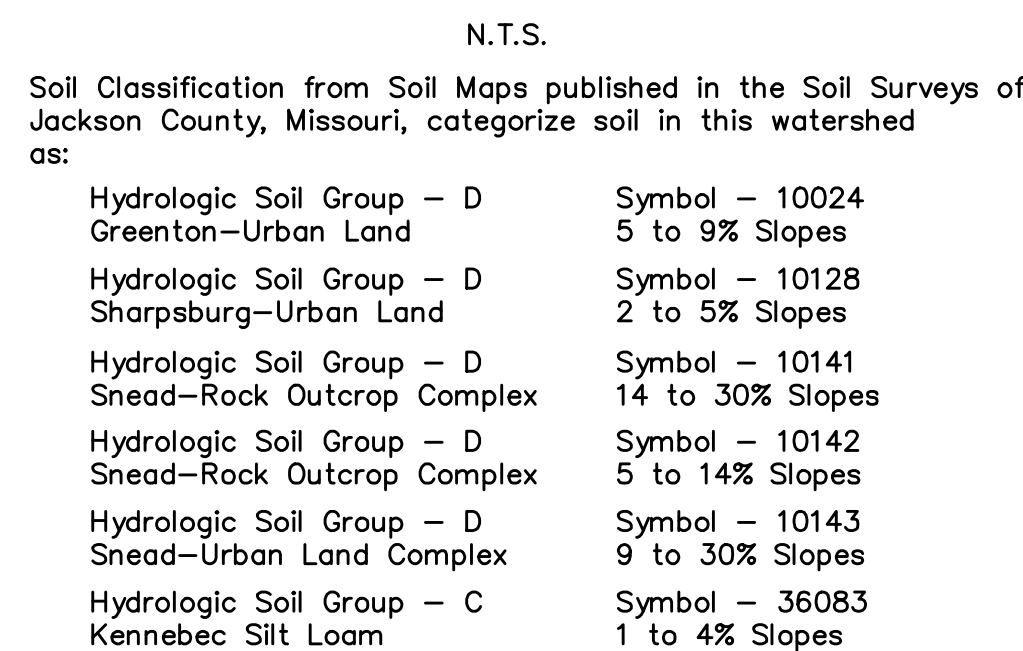
LEE'S SUMMIT MO

MO Certificate of Authority #:001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.361.1177  
www.olsson.com
















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. 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.

LEGEND	
	EXISTING INDEX CONTOURS
	EXISTING INTERMEDIATE CONTOURS
	PROPOSED INDEX CONTOURS
	PROPOSED INTERMEDIATE CONTOURS

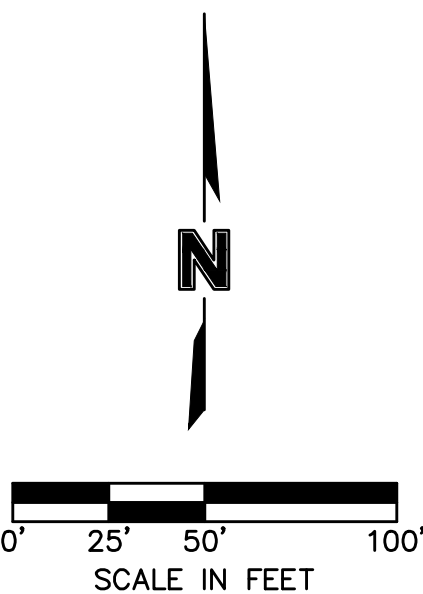
EARTHWORK QUANTITIES		
LOCATION	CUT (C.Y.)	FILL (C.Y.)
STREET	8049	7968
SITE	52613	83489
TOTAL	60662	91457

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.

1. REMOVE TOPSOIL AND ORGANIC DIRT FROM THE AREA
2. PROOF ROLL TO CHECK THE SUBGRADE
  - 2.1. REMOVE OR REPAIR ANY UNSTABLE AREA IN ACCORDANCE WITH THIRD-PARTY TESTER

3. PLACE 9" LOOSE LIFTS OF 9" MATERIAL WITH LL=50 AND PI=25 OR GREATER. 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.



Woodside Ridge Plat 2 Lot Fill Information		
Lot Number		Over 8' Fill Placed
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145		11'
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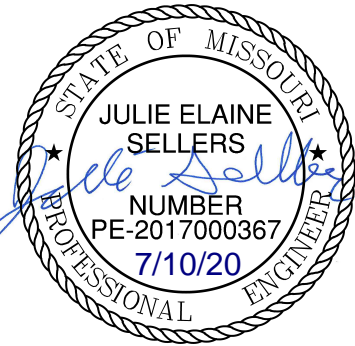
# GRADING PLAN SITE DISTURBANCE PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

drawn by: C.S.M  
checked by: S.M.S  
designed by: C.S.M  
QA/QC by: J.E.S  
project no.: C18-1140  
date: 2020.07.10

SHEET  
C404



REVISIONS DESCRIPTION	BY

NO. \_\_\_\_\_ DATE \_\_\_\_\_  
REV \_\_\_\_\_

## REVISIONS

2020

**olson**

MO Certificate of Authority #:001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116

www.olsson.com

TEI 816 361 1177

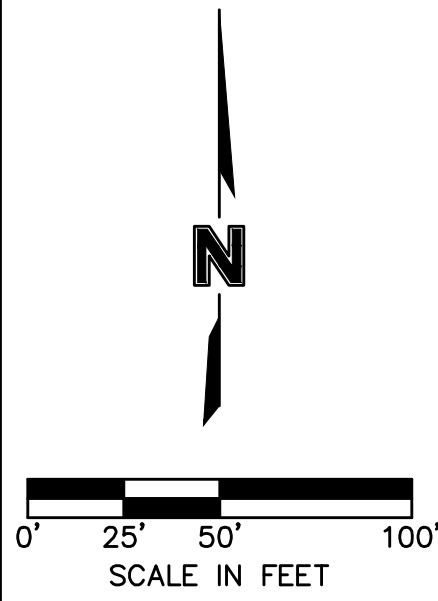
USER: ssaylor

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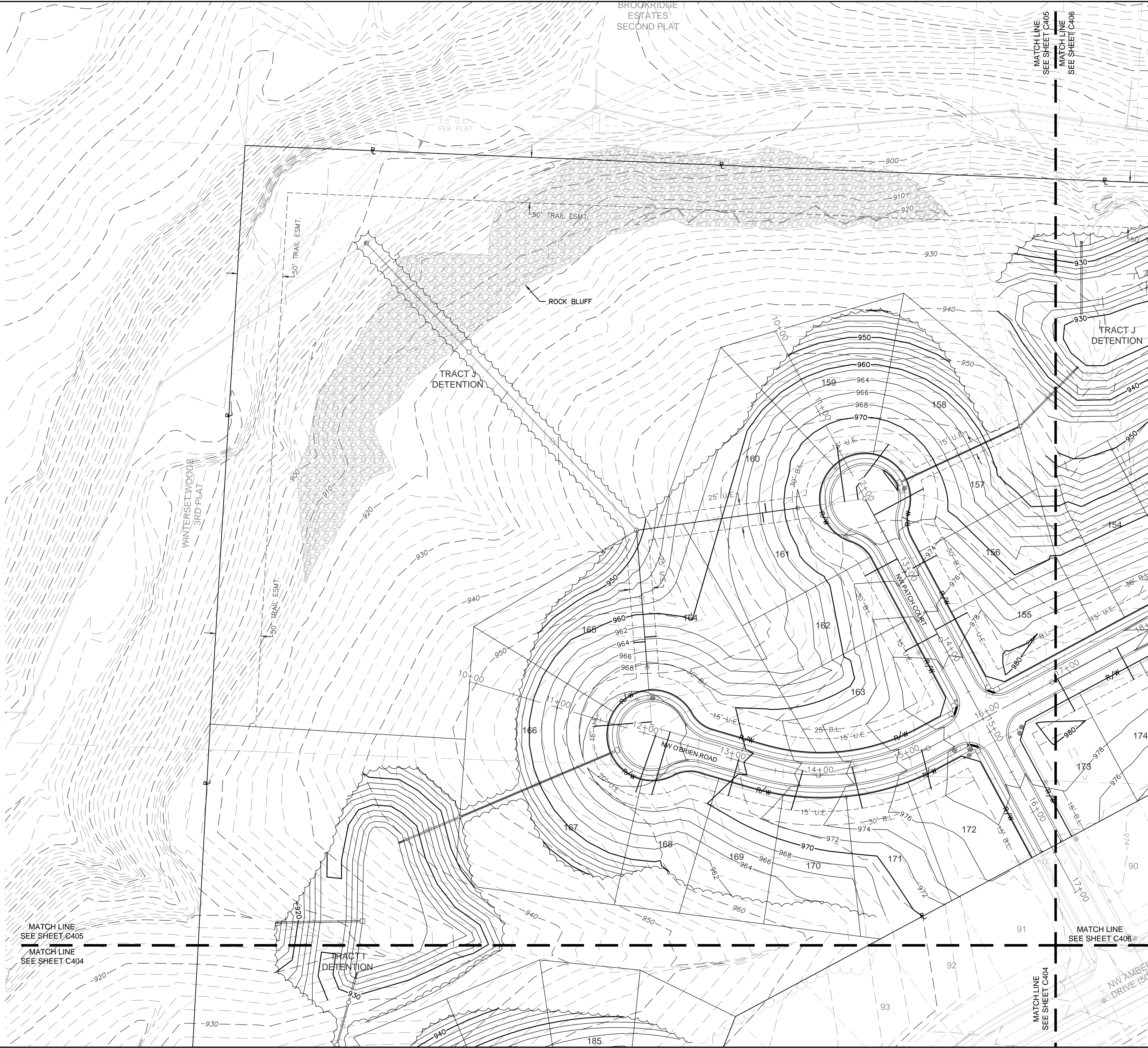




Woodside Ridge Plat 2 Lot Fill Information	
Lot Number	Over 8' Fill Placed
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DATE: Jul 09, 2020 12:57pm  
USER: ssaylor



STATE OF MISSOURI  
JULIE ELAINE  
SELLERS  
NUMBER  
PE-2017000367  
7/10/20  
PROFESSIONAL ENGINEER

[illegible]

GRADING PLAN SITE DISTURBANCE PLANS	WOODSIDE RIDGE SECOND PLAT		IFF'S SUMMIT MO 2020
	drawn by: _____ C.S.M. checked by: _____ S.M.S. designed by: _____ C.S.M. QA/QC by: _____ J.E.S. project no.: _____ C18-1140 date: _____ 2020.07.10		

SHEET  
C405

**Olsson**

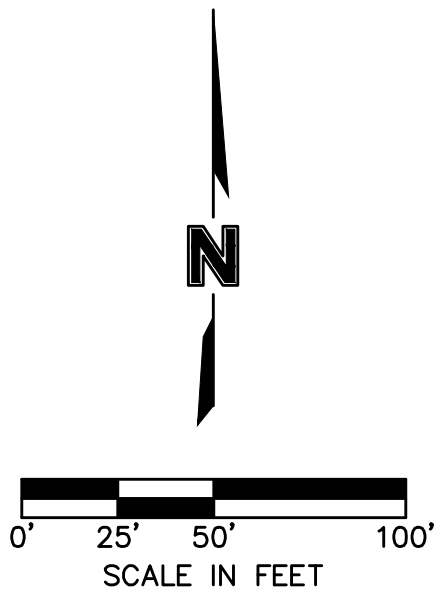
MO Certificate of Authority #:001592  
1301 BURLINGTON, SUITE 100  
ST. LOUIS, MISSOURI 63102  
TEL: 314.241.4477  
FAX: 314.241.4478





KEY MAP

Woodside Ridge Plat 2 Lot Fill Information	
Lot Number	Over 8' Fill Placed
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145	11'
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BY

NO. REV.

DATE

REVISIONS DESCRIPTION

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WHERE SILT FENCE IS SPECIFIED, IT MAY BE REPLACED BY MULCH BERM OR WATTLES FILLED WITH MULCH AT THE CONTRACTOR'S DISCRETION. MULCH BERMS MAY NOT BE REPLACED BY SILT FENCE.

NO CONSTRUCTION TRAFFIC THROUGH  
THE EXISTING STERLING HILLS  
SUBDIVISION

PRIOR TO ANY CLEARING OR OTHER  
CONSTRUCTION ACTIVITIES  
CONTRACTOR SHALL INSTALL SILT  
FENCING TO CONTROL EROSION AND  
SILT FENCING TO BE INSTALLED PER  
APWA DETAIL (TYP.)

SEDIMENT BASIN A. ✓  
SEE SHEET C410 FOR  
DETAIL

CONTRACTOR TO REMOVE  
1.07 AC. OF TREES

CONTRACTOR TO NOT DISTURB TREES  
WHERE HATCH IS PRESENT.

DIVERSION BERM TO BE INSTALLED  
PER APWA DETAIL ESC-05 (TYP.)

CONTRACTOR TO REMOVE  
4.22 AC. OF TREES

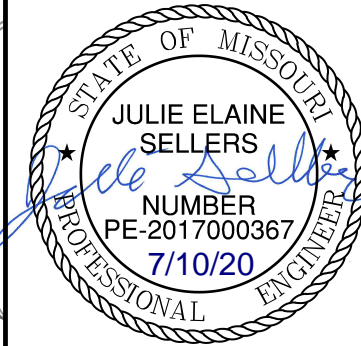
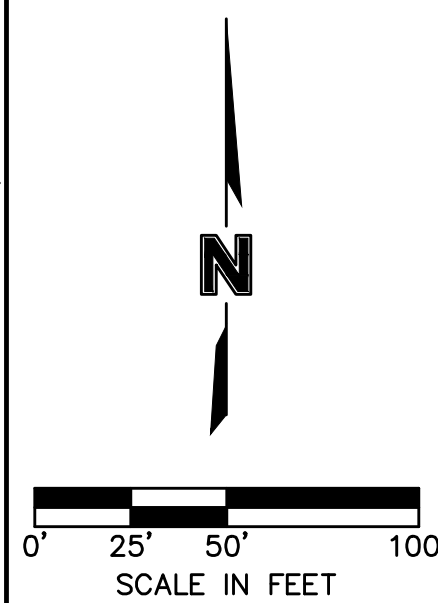
— PRIOR TO ANY CLEARING OR OTHER<sup>102</sup>  
CONSTRUCTION ACTIVITIES  
CONTRACTOR SHALL INSTALL SILT  
FENCING TO CONTROL EROSION AND  
SILT FENCING TO BE INSTALLED PER  
APWA DETAIL (TYP.)

APPROXIMATE LOCATION OF VEHICLE TRACKING CONTROL. LOCATION MAY BE VARIED TO ACCOMMODATE CONSTRUCTION

PRIOR TO ANY CLEARING OR OTHER  
CONSTRUCTION ACTIVITIES  
CONTRACTOR SHALL INSTALL SILT  
FENCING TO CONTROL EROSION AND  
SILT FENCING TO BE INSTALLED PER  
APWA DETAIL (TYP.)

### — DRAINAGE LIMITS

EROSION CONTROL STAGING CHART				
PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE-MASS GRADING	A1	CONSTRUCTION ENTRANCE	C	INSTALL PER APWA DETAIL ESC-01
	A2	SILT FENCE	B	INSTALL PER APWA DETAIL ESC-03
	A3	TEMPORARY MULCH BERM	B	INSTALL PER APWA DETAIL ESC-03
	A4	TEMPORARY DIVERSION BERM	B	INSTALL PER APWA DETAIL ESC-05
	A5	SEDIMENT BASIN	C	INSTALL PER APWA DETAIL ESC-11
	A6	ROCK DITCH CHECK DAM	C	INSTALL PER APWA DETAIL ESC-10
B - INTERIM	B1	CURB INLET PROTECTION	C	INSTALL PER APWA DETAIL ESC-06
	B2	SILT FENCE	C	INSTALL PER APWA DETAIL ESC-03
ANY AREAS BROUGHT TO FINAL GRADE SHALL RECEIVE TREATMENT FOR FINAL STABILIZATION (STAGE C BELOW). ALL OTHER AREAS SHALL BE TEMPORARILY STABILIZED. SEE PLAN SETS FOR PUBLIC ROADWAY PLANS & SITE DEVELOPMENT PLANS FOR ADDITIONAL STAGES.				
C - DISTURBED AREA STABILIZATION	C1	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 2400. COORDINATE ALL STABILIZATION WITH EROSION CONTROL MEASURES INDICATED IN SITE DEVELOPMENT PLANS
	C2	DETENTION BASIN		CONVERT SEDIMENT BASIN TO DETENTION BASIN AND REMOVE SKIMMER

[illegible]

WOODSIDE RIDGE SECOND PLAT	201
-------------------------------	-----

drawn by: \_\_\_\_\_ C.S.M.  
checked by: \_\_\_\_\_ S.M.S.  
designed by: \_\_\_\_\_ C.S.M.  
QA/QC by: \_\_\_\_\_ J.E.S.  
project no.: \_\_\_\_\_ C18-1140  
date: \_\_\_\_\_ 2020.07.10

SHEET  
C407

## REVISIONS

2020

LEE'S SUMMIT, MO

# Olsson

MO Certificate of Authority #001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116

www.olsson.com

TEL 816.361.1177



USER: ascyfor

DWG: F:\2018\1001-1500\018-1140-C\40-Design\AutoCAD\Final Plans\Sheets\GNV\Site Disturbance\C-ERC01\_C181140.dwg  
DATE: Jul 03, 2020 12:58pm



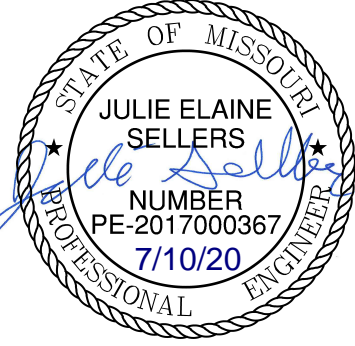
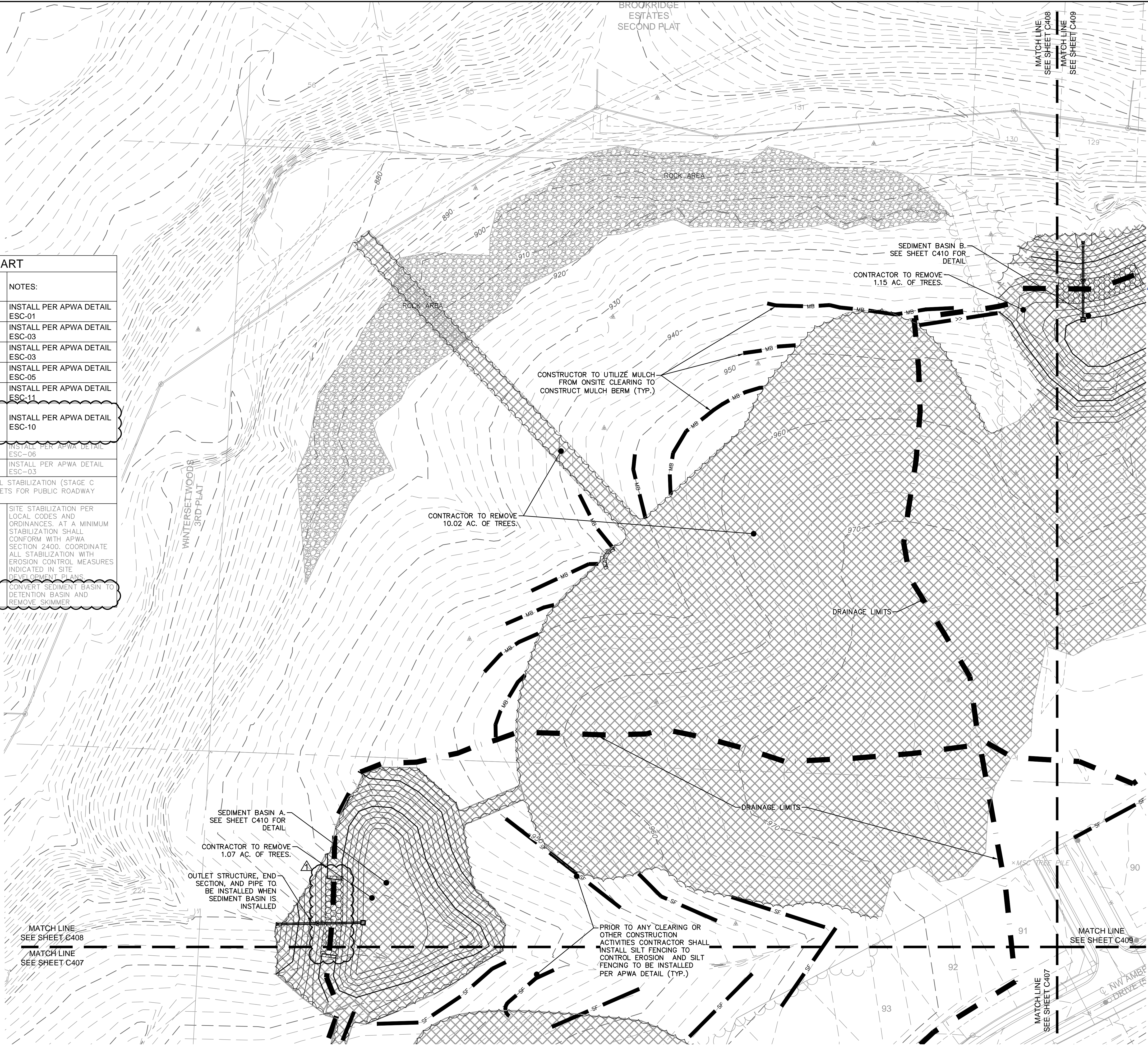
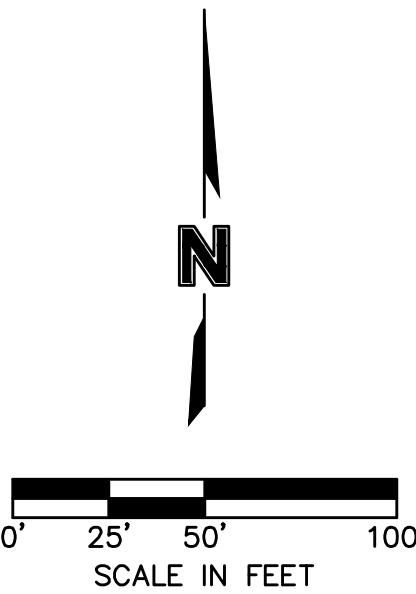
KEY MAP

EROSION CONTROL STAGING CHART

PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE-MASS GRADING	A1	CONSTRUCTION ENTRANCE	C	INSTALL PER APWA DETAIL ESC-01
	A2	SILT FENCE	B	INSTALL PER APWA DETAIL ESC-03
	A3	TEMPORARY MULCH BERM	B	INSTALL PER APWA DETAIL ESC-03
	A4	TEMPORARY DIVERSION BERM	B	INSTALL PER APWA DETAIL ESC-05
	A5	SEDIMENT BASIN	C	INSTALL PER APWA DETAIL ESC-11
	A6	ROCK DITCH CHECK DAM	C	INSTALL PER APWA DETAIL ESC-10
B - INTERIM	B1	CURB INLET PROTECTION	C	INSTALL PER APWA DETAIL ESC-06
	B2	SILT FENCE	C	INSTALL PER APWA DETAIL ESC-03
ANY AREAS BROUGHT TO FINAL GRADE SHALL RECIEVE TREATMENT FOR FINAL STABILIZATION (STAGE C BELOW). ALL OTHER AREAS SHALL BE TEMPORARILY STABILIZED. SEE PLAN SETS FOR PUBLIC ROADWAY PLANS & SITE DEVELOPMENT PLANS FOR ADDITIONAL STAGES.				
C - DISTURBED AREA STABILIZATION	C1	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 2400. COORDINATE ALL STABILIZATION WITH EROSION CONTROL MEASURES INDICATED IN SITE DEVELOPMENT PLANS
	C2	DETENTION BASIN		CONVERT SEDIMENT BASIN TO DETENTION BASIN AND REMOVE SKIMMER

LEGEND	
PHASE 1	
	SILT FENCE
	TEMPORARY DIVERSION BERM
	TEMPORARY MULCH BERM
	DRAINAGE LIMITS
	EMERGENCY SPILLWAY
	TEMPORARY STONE CONSTRUCTION ENTRANCE
	DO NOT DISTURB TREES
	TREE CLEARING
	ROCK CHECK DAMS

WHERE SILT FENCE IS SPECIFIED, IT MAY BE REPLACED BY MULCH BERM OR WATTLES FILLED WITH MULCH AT THE CONTRACTOR'S DISCRETION. MULCH BERMS MAY NOT BE REPLACED BY SILT FENCE.



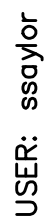
NO.	REV.	DATE	REVISIONS DESCRIPTION
1		7/10/2020	REVISED PER CITY COMMENTS

SITE DISTURBANCE PLAN - PROJECT STAGE A SITE DISTURBANCE PLANS		2020
WOODSIDE RIDGE SECOND PLAT		
LEE'S SUMMIT, MO		
drawn by: C.S.M. checked by: S.M.S. designed by: C.S.M. QA/QC by: J.E.S. project no.: C18-1140 date: 2020.07.10		
SHEET C408		





WHERE SILT FENCE IS SPECIFIED, IT MAY BE REPLACED BY MULCH BERM OR WATTLES FILLED WITH MULCH AT THE CONTRACTOR'S DISCRETION. MULCH BERMS MAY NOT BE REPLACED BY SILT FENCE.



DWG: F:\2018\1001-1500\018-1140-C\40-Design\AutoCAD\Final Plans\Site Disturbance\C\_ERC01\_C181140.dwg



PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE-MASS GRADING	A1	CONSTRUCTION ENTRANCE	C	INSTALL PER APWA DETAIL ESC-01
	A2	SILT FENCE	B	INSTALL PER APWA DETAIL ESC-03
	A3	TEMPORARY MULCH BERM	B	INSTALL PER APWA DETAIL ESC-03
	A4	TEMPORARY DIVERSION BERM	B	INSTALL PER APWA DETAIL ESC-05
	A5	SEDIMENT BASIN	C	INSTALL PER APWA DETAIL ESC-11
	A6	ROCK DITCH CHECK DAM	C	INSTALL PER APWA DETAIL ESC-10
B - INTERIM	B1	CURB INLET PROTECTION	C	INSTALL PER APWA DETAIL ESC-06
	B2	SILT FENCE	C	INSTALL PER APWA DETAIL ESC-03
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C - DISTURBED AREA STABILIZATION	C1	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 2400. COORDINATE ALL STABILIZATION WITH EROSION CONTROL MEASURES INDICATED IN SITE DEVELOPMENT PLANS
	C2	DETENTION BASIN		CONVERT SEDIMENT BASIN TO DETENTION BASIN AND REMOVE SKIMMER

drawn by: \_\_\_\_\_ C.S.M  
checked by: \_\_\_\_\_ S.M.S  
designed by: \_\_\_\_\_ C.S.M  
QA/QC by: \_\_\_\_\_ J.E.S  
project no.: \_\_\_\_\_ C18-1140  
date: \_\_\_\_\_ 2020.07.10

SHEET  
C409

[illegible]

WOODSIDE RIDGE SECOND PLAT	20
-------------------------------	----

SITE DISTURBANCE  
SITE D  
W  
LEE'S SUMMIT MO



of Authority #:001592  
STON, SUITE 100  
CITY, MO 64402  
TEL 040 064 4477  
www.elsevier.com

MO Certificate of Authority #001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116

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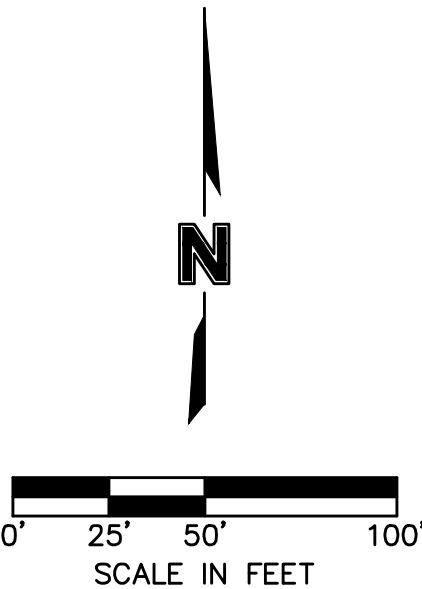








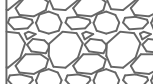


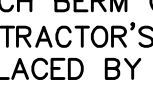




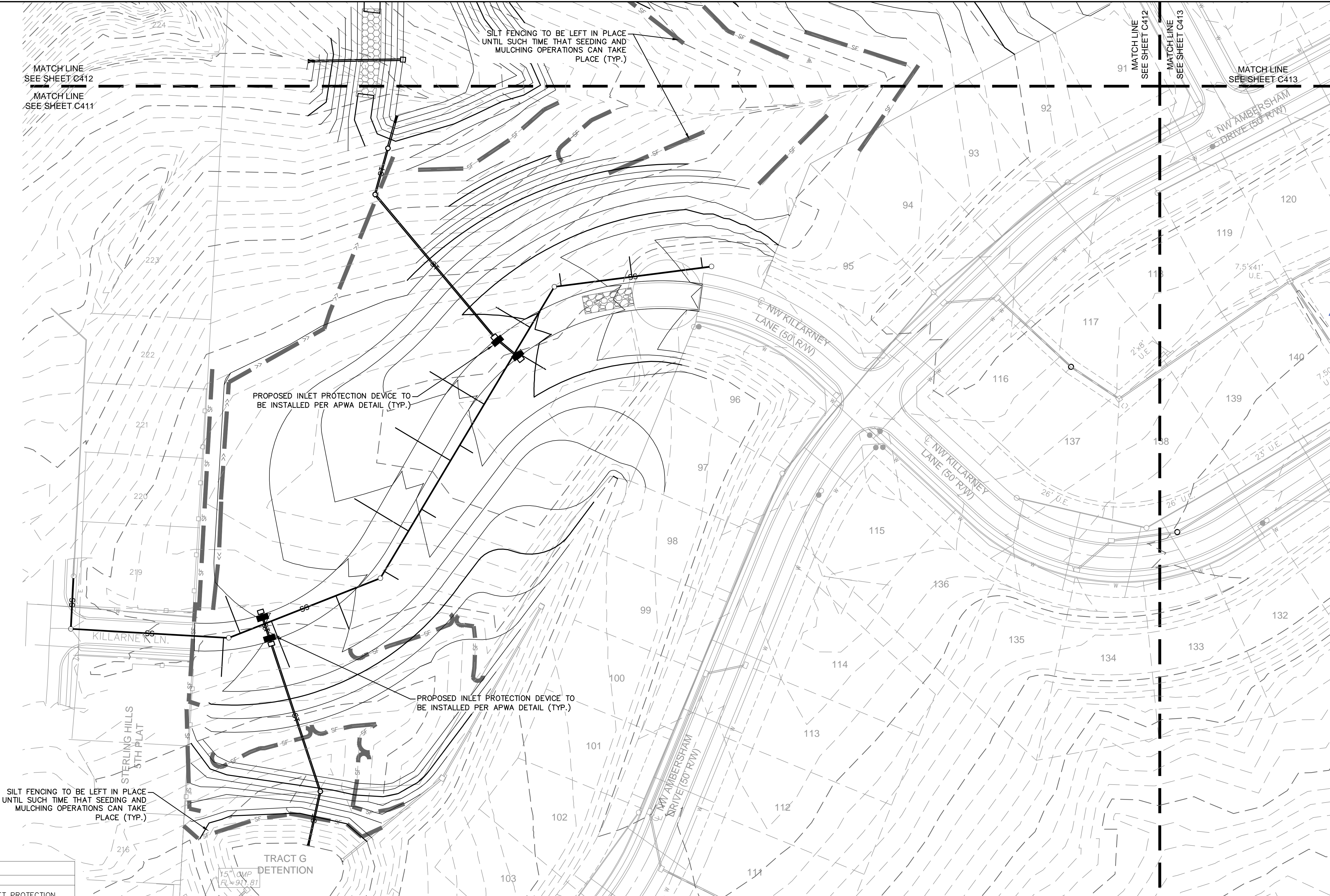


KEY MAP



LEGEND		
PHASE 1	PHASE 2	
		STORM DRAIN INLET PROTECTION
		SILT FENCE
		TEMPORARY DIVERSION BERM
		TEMPORARY MULCH BERM
		DRAINAGE LIMITS
		EMERGENCY SPILLWAY
		TEMPORARY STONE CONSTRUCTION ENTRANCE
		DO NOT DISTURB TREES
		TREE CLEARING

WHERE SILT FENCE IS SPECIFIED, IT MAY BE REPLACED BY MULCH BERM OR WATTLES FILLED WITH MULCH AT THE CONTRACTOR'S DISCRETION. MULCH BERMS MAY NOT BE REPLACED BY SILT FENCE.



EROSION CONTROL STAGING CHART				
PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE-MASS GRADING	A1	CONSTRUCTION ENTRANCE	C	INSTALL PER APWA DETAIL ESC-01
	A2	SILT FENCE	B	INSTALL PER APWA DETAIL ESC-03
	A3	TEMPORARY MULCH BERM	B	INSTALL PER APWA DETAIL ESC-03
	A4	TEMPORARY DIVERSION BERM	B	INSTALL PER APWA DETAIL ESC-05
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	C2	DETENTION BASIN		CONVERT SEDIMENT BASIN TO DETENTION BASIN AND REMOVE SKIMMER

olsson

NO Conflicts of Interest at 03/09/22  
303 E. HURKSTON SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.361.1177  
www.olson.com

STATE OF MISSOURI  
JULIE ELAINE SELLERS  
NUMBER PE-2017000367  
7/10/20  
PROFESSIONAL ENGINEER

NO. REV.	DATE	REVISIONS DESCRIPTION
1	7/10/2020	REVISED PER CITY COMMENTS

SITE DISTURBANCE PLAN - PROJECT STAGE B  
SITE DISTURBANCE PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

2020

drawn by: \_\_\_\_\_ C.S.M.  
checked by: \_\_\_\_\_ S.M.S.  
designed by: \_\_\_\_\_ C.S.M.  
QA/QC by: \_\_\_\_\_ J.E.S.  
project no.: C18-1140  
date: 2020.07.10

SHEET  
C411








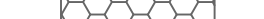
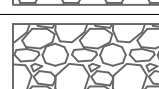


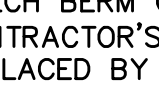




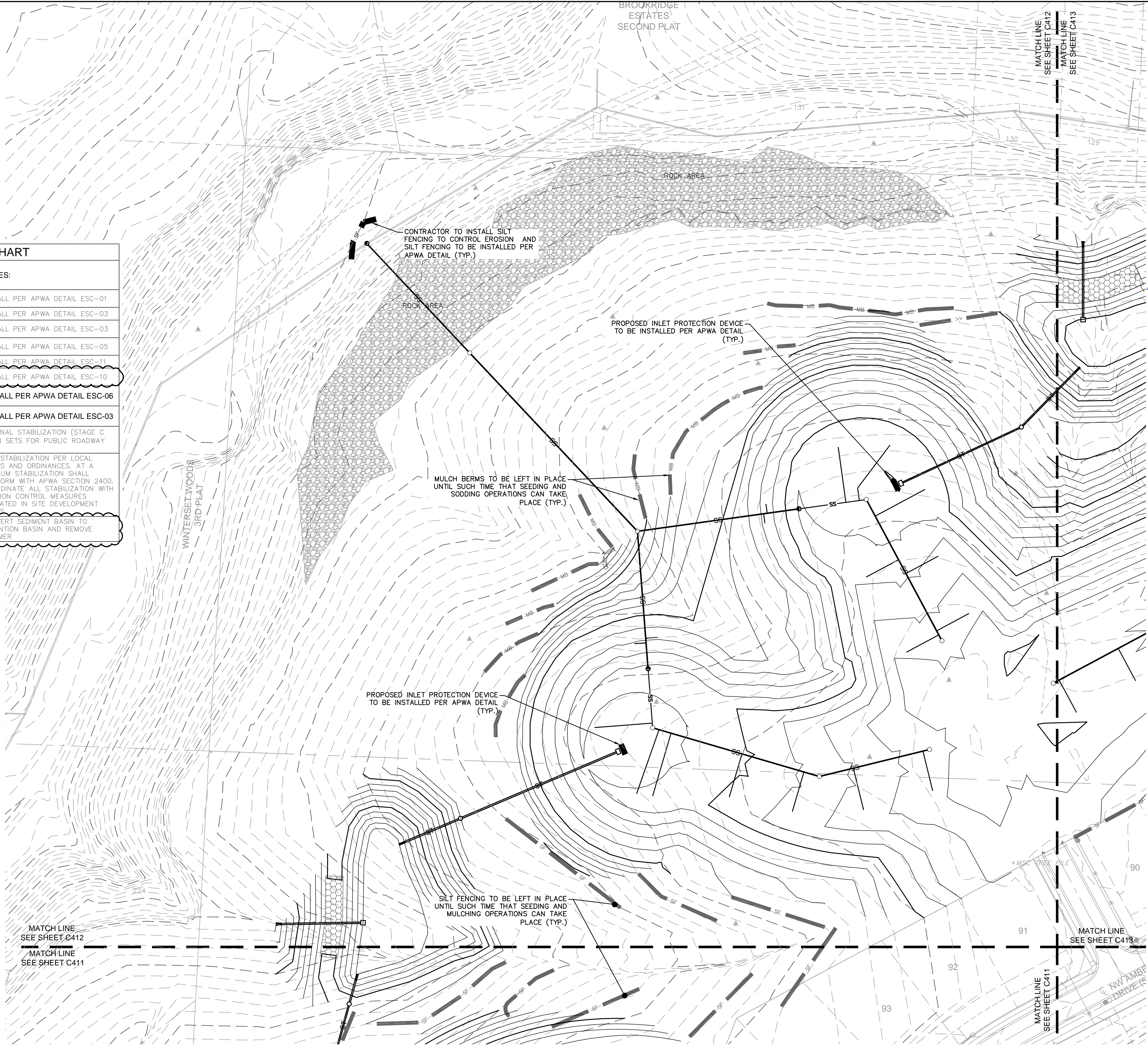
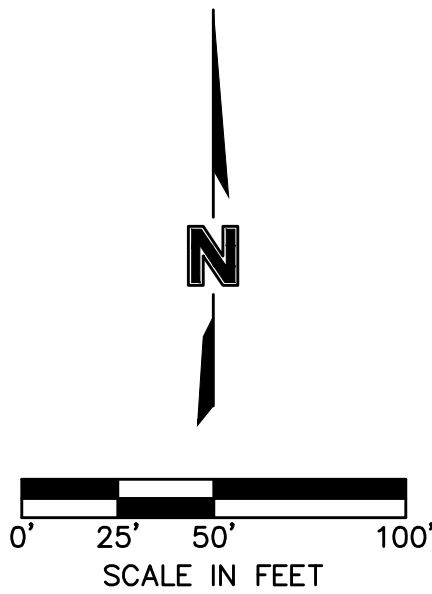
KEY MAP

EROSION CONTROL STAGING CHART

PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
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	C2	DETENTION BASIN		CONVERT SEDIMENT BASIN TO DETENTION BASIN AND REMOVE SKIMMER

LEGEND		
PHASE 1	PHASE 2	
 SF 	 SF 	STORM DRAIN INLET PROTECTION
		SILT FENCE
		TEMPORARY DIVERSION BERM
		TEMPORARY MULCH BERM
		DRAINAGE LIMITS
		EMERGENCY SPILLWAY
		TEMPORARY STONE CONSTRUCTION ENTRANCE
		DO NOT DISTURB TREES
		TREE CLEARING

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NO Conflicts of Interest at \$31,992  
301 E. BURLINGTON SUITE 100  
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TEL 816.381.1177  
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STATE OF MISSOURI  
JULIE ELAINE SELLERS  
NUMBER PE-2017000367  
7/10/20  
PROFESSIONAL ENGINEER

BY: \_\_\_\_\_

REVISIONS DESCRIPTION

NO. REV. 1 7/10/2020 REVISED PER CITY COMMENTS

SITE DISTURBANCE PLAN - PROJECT STAGE B  
SITE DISTURBANCE PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

2020

drawn by: \_\_\_\_\_ C.S.M.  
checked by: \_\_\_\_\_ S.M.S.  
designed by: \_\_\_\_\_ C.S.M.  
QA/QC by: \_\_\_\_\_ J.E.S.  
project no.: C18-1140  
date: 2020.07.10

SHEET  
C412









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  
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, FERTILIZER, SEED, AND MULCH SHALL BE APPLIED AT THE FOLLOWING RATES:



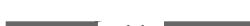


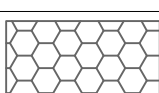
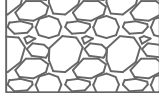




FERTILIZER – 75 % OF THE SPECIFIED QUANTITY  
SEED – 50 % OF THE SPECIFIED QUANTITY  
MULCH – 100 % OF THE SPECIFIED QUANTITY

MULCH – 100 % OF THE SPECIFIED QUANTITY  
MULCH SHALL BE VEGETATIVE, OR BARELY, OR STRAW FROM STALKS OF OATS, RYE, OR BARLEY, OR APPROVED EQUAL. THE STRAW SHALL BE FREE OF PROHIBITED WEED SEED AND RELATIVELY FREE OF ALL OTHER NOXIOUS 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 TOOL OR DISK TYPE ROLLER HAVING FLAT SERRATED DISKS SPACED NOT MORE THAN 10 INCHES APART AND CLEANING SCRAPERS SHALL BE PROVIDED.

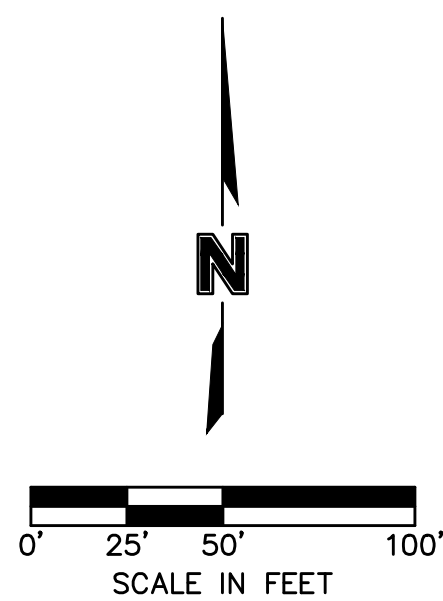
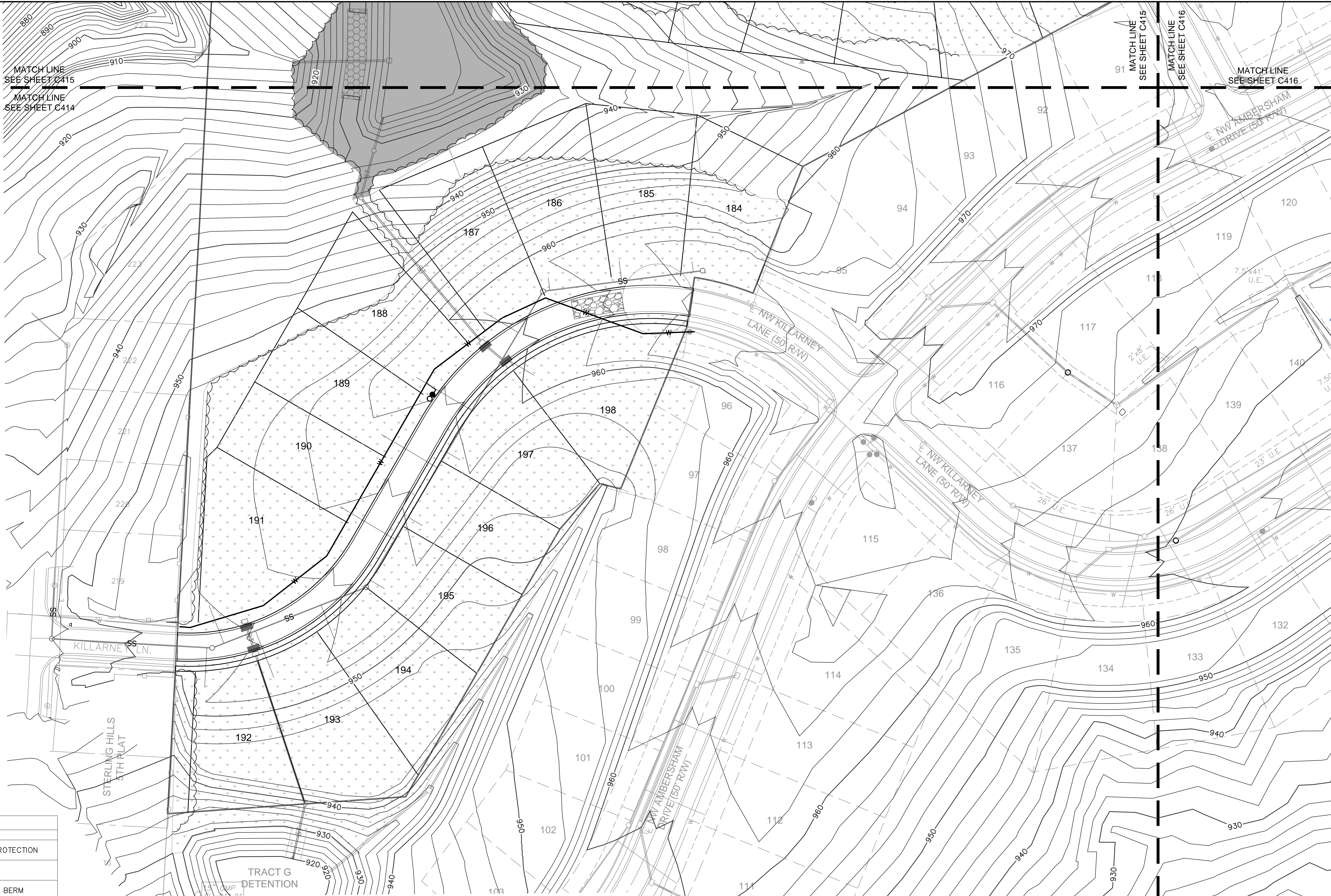
THE SITE DISTURBANCE PLANS INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION OF THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE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

ALL DISTURBED AREAS SHALL BE PREPPED FOR SEEDING/SODDING PER KCMO/APWA 2406, APPLICATION OF SEED/SOD SHALL BE DONE IN ACCORDANCE WITH KCMO/APWA 2406.4. THE SITE DISTURBANCE PERMIT SHALL BE MAINTAINED IN AN "OPEN" STATUS UNTIL FINAL ACCEPTANCE PER KCMO/APWA 2407.

NATIVE SEED MIXES AND SLOPES OVER 5:1 TO BE  
INSTALLED WITH AN EROSION CONTROL BLANKET (NORTH  
AMERICAN GREEN SC10B OR APPROVED EQUAL) AND  
INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

LEGEND		
PHASE 1 & 2	PHASE 3	
		STORM DRAIN INLET PROTECTION
		SILT FENCE
		TEMPORARY DIVERSION BERM
		TEMPORARY MULCH BERM
		DRAINAGE LIMITS
		EMERGENCY SPILLWAY
		TEMPORARY STONE CONSTRUCTION ENTRANCE
		DO NOT DISTURB TREES
		TREE CLEARING
		TURF GRASS SEEDING
		NATIVE GRASS SEEDING

WHERE SILT FENCE IS SPECIFIED, IT MAY BE REPLACED BY MULCH BERM OR WATTLES FILLED WITH MULCH AT THE CONTRACTOR'S DISCRETION. MULCH BERMS MAY NOT BE REPLACED BY SILT FENCE.



PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A – PRE-MASS GRADING	A1	CONSTRUCTION ENTRANCE	C	INSTALL PER APWA DETAIL ESC-01
	A2	SILT FENCE	B	INSTALL PER APWA DETAIL ESC-03
	A3	TEMPORARY MULCH BERM	B	INSTALL PER APWA DETAIL ESC-03
	A4	TEMPORARY DIVERSION BERM	B	INSTALL PER APWA DETAIL ESC-05
	A5	SEDIMENT BASIN	C	INSTALL PER APWA DETAIL ESC-11
	A6	ROCK DITCH CHECK DAM	C	INSTALL PER APWA DETAIL ESC-10
B – INTERIM	B1	CURB INLET PROTECTION	C	INSTALL PER APWA DETAIL ESC-06
	B2	SILT FENCE	C	INSTALL PER APWA DETAIL ESC-03
ANY AREAS BROUGHT TO FINAL GRADE SHALL RECEIVE TREATMENT FOR FINAL STABILIZATION (STAGE C BELOW). ALL OTHER AREAS SHALL BE TEMPORARILY STABILIZED. SEE PLAN SETS FOR PUBLIC ROADWAY PLANS & SITE DEVELOPMENT PLANS FOR ADDITIONAL STAGES.				
C - DISTURBED AREA STABILIZATION	C1	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 2400. COORDINATE ALL STABILIZATION WITH EROSION CONTROL MEASURES INDICATED IN SITE DEVELOPMENT PLANS.
	C2	DETENTION BASIN		CONVERT SEDIMENT BASIN TO DETENTION BASIN AND REMOVE SKIMMER

drawn by: \_\_\_\_\_ C.S.M.  
checked by: \_\_\_\_\_ S.M.S.  
designed by: \_\_\_\_\_ C.S.M.  
QA/QC by: \_\_\_\_\_ J.E.S.  
project no.: \_\_\_\_\_ C18-1140  
date: \_\_\_\_\_ 2020.07.10

SHEET  
C414

[illegible]

SITE DISTURBANCE PLAN - PROJECT STAGE C SITE DISTURBANCE PLANS	WOODSIDE RIDGE SECOND PLAT	20
		FF'S SUMMIT MO

SHEET  
C414

**olson**

MO Certificate of Authority #001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL: 816.264.4477  
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## REVISIONS

2020

LEE'S SUMMIT, MO





KEY MAP

EROSION CONTROL STAGING CHART

PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRE-MASS GRADING	A1	CONSTRUCTION ENTRANCE	C	INSTALL PER APWA DETAIL ESC-01
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LEGEND	
PHASE 1 & 2	PHASE 3
	STORM DRAIN INLET PROTECTION
	SILT FENCE
	TEMPORARY DIVERSION BERM
	TEMPORARY MULCH BERM
	DRAINAGE LIMITS
	EMERGENCY SPILLWAY
	TEMPORARY STONE CONSTRUCTION ENTRANCE
	DO NOT DISTURB TREES
	TREE CLEARING
	TURF GRASS SEEDING
	NATIVE GRASS SEEDING

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.

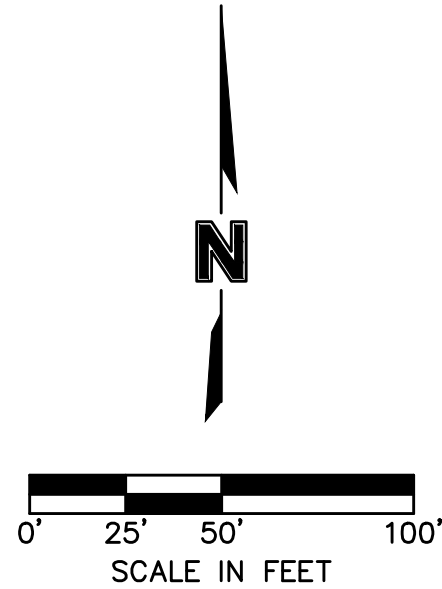
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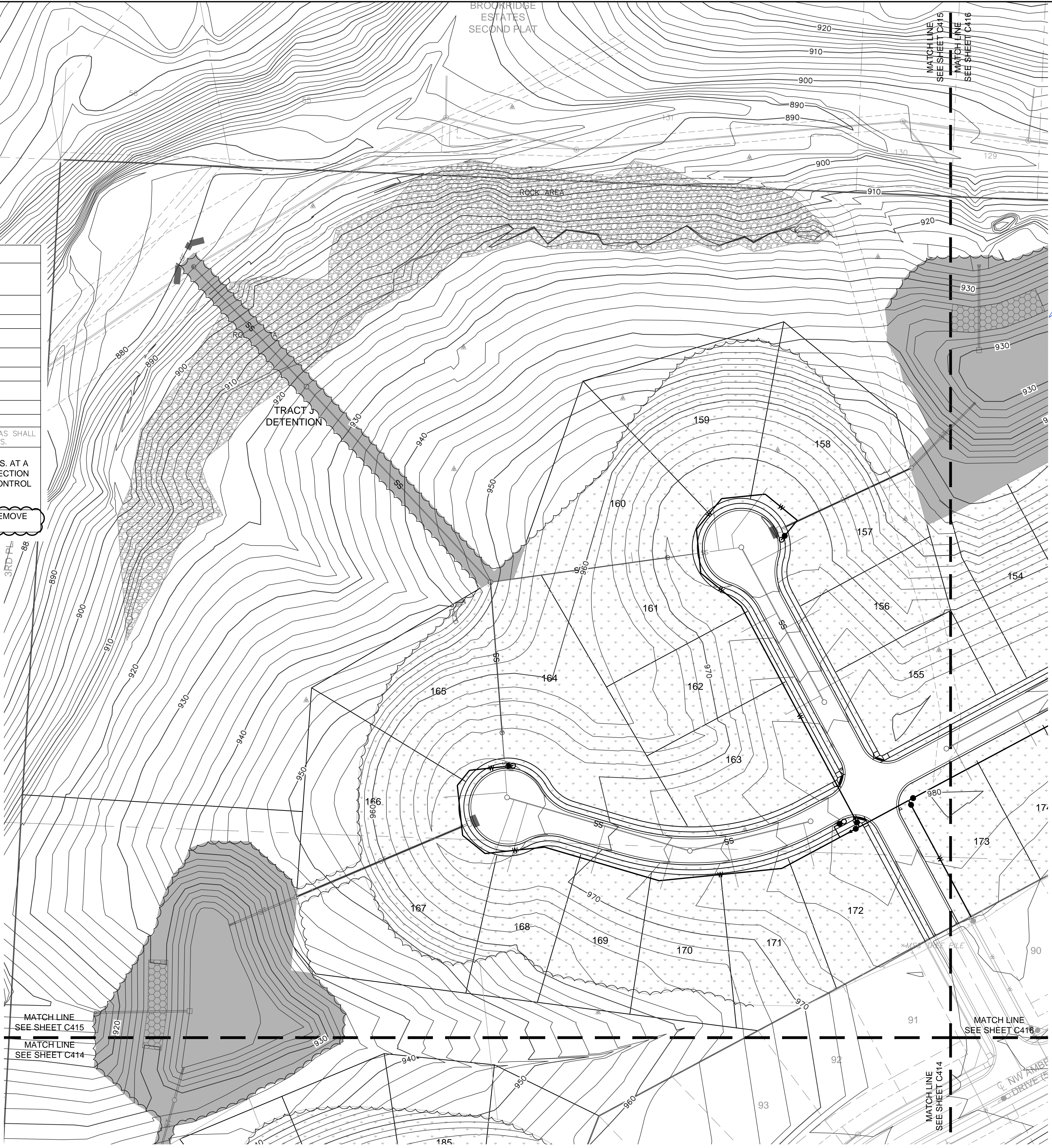
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NO Conflicts of Interest at \$31,892  
301 E. BURLINGTON SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.361.1177  
www.olsson.com

STATE OF MISSOURI  
JULIE ELAINE SELLERS  
Professional Engineer  
NUMBER PE-2017000367  
7/10/20

BY  
NO. REV. 1  
DATE 7/10/2020  
REVISED PER CITY COMMENTS

REVISIONS DESCRIPTION

REVISIONS

SITE DISTURBANCE PLAN - PROJECT STAGE C  
SITE DISTURBANCE PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

2020

drawn by: C.S.M.  
checked by: S.M.S.  
designed by: C.S.M.  
QA/QC by: J.E.S.  
project no.: C18-1140  
date: 2020.07.10

SHEET C415



DWG: F:\2018\1001-1500\018-1140-C\40-Design\AutoCAD\Final Plans\Sheets\GNCV\Site Disturbance\C-ERC03-C181140.dwg  
DATE: Jul 03, 2020 1:00pm  
USER: ssaylor



KEY MAP

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	C2	DETENTION BASIN		CONVERT SEDIMENT BASIN TO DETENTION BASIN AND REMOVE SKIMMER

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STATE OF MISSOURI  
JULIE ELAINE SELLERS  
NUMBER PE-2017050367  
7/10/20  
PROFESSIONAL ENGINEER

BY	REVISIONS DESCRIPTION	DATE	NO. REV.	REVISED PER CITY COMMENTS
		7/10/2020	1	

SITE DISTURBANCE PLAN - PROJECT STAGE C  
SITE DISTURBANCE PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

drawn by: \_\_\_\_\_ C.S.M.  
checked by: \_\_\_\_\_ S.M.S.  
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SHEET  
C416

2020

REVISIONS



