

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

☒ NOT FOR CONSTRUCTION

☐ REVIEWED FOR CONSTRUCTION



BMK #5 CHISELED SQUARE ON THE S.E. CORNER OF A CONCRETE PAD
FOR A TRAFFIC SIGNAL BOX AT THE S.W. CORNER OF PRYOR ROAD
AND O'BRIEN ROAD.

ELEVATION: 979.24



PART OF LOT 3B, 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, 1,326.36 FEET TO THE SOUTHWEST CORNER OF SAID LOT 3B, ALSO BEING THE SOUTHWEST CORNER OF THE NORTH HALF SAID SOUTHEAST QUARTER, ALSO BEING A POINT ON THE EASTERLY LINE OF STERLING HILLS 5TH PLAT, A SUBDIVISION IN SAID LEE'S SUMMIT RECORDED AS INSTRUMENT NUMBER 1273788 IN BOOK 154 AT PAGE 88 IN SAID JACKSON COUNTY RECORDER OF DEEDS OFFICE; THENCE WESTERLY, 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 03°26'14" EAST, ON THE SAID WEST LINE OF SAID LOT 3B, SAID EASTERLY LINE AND WEST LINE OF SAID NORTHEAST QUARTER, 665.72 FEET TO THE NORTHWEST CORNER OF THE SOUTH HALF OF THE SOUTH HALF OF SAID NORTHEAST QUARTER, ALSO BEING THE NORTHWEST CORNER OF SAID LOT 3B, ALSO BEING THE NORTHEAST CORNER 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 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, 574.95 FEET; THENCE LEAVING SAID NORTH LINES, SOUTH 20°32'36" WEST, ALONG SAID PROPOSED WESTERLY LINE, 229.10 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 425.00 FEET, ON A CENTRAL ANGLE OF 00°42'29" 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 64°49'26" WEST, ALONG SAID PROPOSED WESTERLY LINE, 95.75 FEET; THENCE SOUTH 52°22'12" 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.

OLSSON HAS BEEN RETAINED TO PROVIDE AS-BUILT DRAWINGS FOR THIS PROJECT.

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

7/10/20
DATE

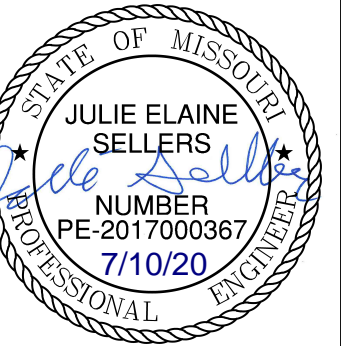
NOTE:

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.

**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

02/24/2021

olson

[illegible]COVER SHEET
SITE DISTURBANCE PLANSWOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT, MO

Drawn by: C.S.M
 Checked by: S.M.S
 Designed by: C.S.M
 A/QC by: J.E.S
 Project no.: C18-1140
 Date: 2020.06.09

HEET
C401

1301 BURELINGTON, SUITE 100
NORTH KANSAS CITY, MO 64116
TEL 816.361.1177
www.olsson.com

1. THE INTENT OF THIS LAND DISTURBANCE PLAN IS TO ASSIST THE DEVELOPER IN HIS RESPONSIBILITY TO PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR NECESSARY TO CONTROL EROSION, SILTATION AND DISCHARGES OF SOIL MATERIAL (SEDIMENT) INTO DOWNSTREAM SYSTEMS OR RECEIVING CHANNELS. THIS SHALL BE REQUIRED DURING ALL PHASES OF CONSTRUCTION AND UNTIL SUITABLE GROUND COVER IS ESTABLISHED FOR ALL DISTURBED AREAS. IF ANY METHOD OF CONTROL FAILS, THE DEVELOPER SHALL NOTIFY THE OWNER IMMEDIATELY, SO THAT THE OWNER OR HIS AGENT CAN REVIEW THE DEVELOPER'S PROPOSED METHOD OF REPAIR.

THIS PLAN INDICATES THE CRITICAL AREA(S) OF CONCERN AND THESE AREA(S) WILL BE CONTROLLED AS A MINIMUM. THE CONTROL MAY CONSIST OF TEMPORARY CONTROL MEASURES AS SHOWN ON THE PLANS OR THE OWNER MAY REQUIRE THE DEVELOPER TO PERFORM PERMANENT EROSION OR WATER POLLUTION CONTROL THROUGH THE USE OF BERMS, DIKES, DAMS, SEDIMENT BASINS, FIBER MATS, NETTING, STRAW BALES, GRAVEL, MULCHES, GRASSES, SLOPE DRAINS, DIVERSION SWALES OR OTHER EROSION CONTROL DEVICES OR METHODS. THE OWNER HAS THE AUTHORITY TO LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY THE CONSTRUCTION OPERATIONS AND TO DIRECT THE DEVELOPER TO PROVIDE IMMEDIATE EROSION CONTROL MEASURES TO PREVENT OR MINIMIZE EROSION OF ADJACENT AREAS, ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, OR OTHER AREAS OF WATER IMPOUNDMENT OR CONVEYANCES.

THE TEMPORARY POLLUTION CONTROL PROVISIONS CONTAINED HEREIN SHALL BE COORDINATED WITH ANY PERMANENT EROSION CONTROL FEATURES SPECIFIED ELSEWHERE IN THE CONTRACT TO THE EXTENT PRACTICAL TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS EROSION CONTROL THROUGHOUT THE CONSTRUCTION AND POST CONSTRUCTION PERIOD.

2. THIS SEDIMENTATION CONTROL PLAN MAKES USE OF THE FOLLOWING APPLICATIONS:
- ☒ PRESERVATION OF EXISTING VEGETATION
 - ☒ SEDIMENT BARRIERS
 - ☒ SEDIMENT TRAPS
 - ☒ INLET PROTECTION
 - ☐ OUTLET PROTECTION
 - ☐ SOIL RETAINING SYSTEMS
 - ☐ SLOPE DRAINS
 - ☐ SUBSURFACE DRAINS

PHYSICAL DESCRIPTION OF EACH SPECIFIC SEDIMENT CONTROL DEVICE TO BE UTILIZED IS CALLED OUT ON THE PLANS WITH INSTALLATION PROCEDURES, CONSTRUCTION SPECIFICATIONS AND MAINTENANCE ARRANGEMENT AS CALLED FOR ON THE DETAIL SHEET. IN ADDITION TO THE MEASURES SPECIFIED, THE FOLLOWING GENERAL PRACTICES SHALL BE ADHERED TO WHEN APPLICABLE.

A) CLEARING AND GRUBBING WITHIN 50' OF A DEFINED DRAINAGE COURSE SHOULD BE AVOIDED WHEN POSSIBLE. WHERE CHANGES TO A DEFINED DRAINAGE COURSE OCCUR, WORK SHOULD BE DELAYED UNTIL ALL MATERIALS AND EQUIPMENT NECESSARY TO PROTECT AND COMPLETE THE DRAINAGE CHANGE ARE ON SITE. CHANGES SHALL BE COMPLETED AS QUICKLY AS POSSIBLE ONCE THE WORK HAS BEEN INITIATED. THE AREA IMPACTED BY THE CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED OR PROTECTED FROM EROSION AS SOON AS POSSIBLE. AREAS WITHIN 50' OF A DEFINED DRAINAGE WAYS SHOULD BE RECONTOURED AS NEEDED OR OTHERWISE PROTECTED WITHIN FIVE (5) WORKING DAYS AFTER GRADING HAS CEASED.

B) WHERE SOIL DISTURBING ACTIVITIES CEASE IN AN AREA FOR MORE THAN 14 DAYS, THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES. IF THE SLOPE OF THE AREA IS GREATER THAN 3:1 OR IF THE SLOPE IS GREATER THAN 3% AND GREATER THAN 150 FEET IN LENGTH, THEN THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES IF ACTIVITIES CEASE FOR MORE THAN SEVEN (7) DAYS.

C) EXISTING VEGETATION SHALL BE PRESERVED TO THE EXTENT AND WHERE PRACTICAL. IN NO CASE SHALL DISTURBED AREAS REMAIN WITHOUT VEGETATIVE GROUND COVER FOR A PERIOD IN EXCESS OF 60 DAYS.

D) ADDITIONAL SITE MANAGEMENT PRACTICES WHICH SHALL BE ADHERED TO DURING THE CONSTRUCTION PROCESS SHALL INCLUDE:

SOLID AND HAZARDOUS WASTE MANAGEMENT INCLUDING PROVIDING TRASH CONTAINERS AND REGULAR SITE CLEAN UP FOR PROPER DISPOSAL OF SOLID WASTE SUCH AS BUILDING MATERIAL, PRODUCT/MATERIAL SHIPPING WASTE, FOOD CONTAINERS AND CUPS, AND PROVIDING CONTAINERS FOR THE PROPER DISPOSAL OF WASTE PAINTS SOLVENTS, AND CLEANING COMPOUNDS.

PROVISIONS OF PORTABLE TOILETS FOR PROPER DISPOSAL OF SANITARY SEWAGE.

STORAGE OF CONSTRUCTION MATERIALS AWAY FROM DRAINAGE COURSES AND LOW AREAS.

INSTALLATION OF CONTAINMENT BERMS AND USE OF DRIP PANS AT PETROLEUM PRODUCT AND LIQUID STORAGE TANKS AND CONTAINERS.

3. ALL DISTURBED AREAS SHALL BE SEEDED, FERTILIZED AND MULCHED, OR SODDED, IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE CITY OF LEE'S SUMMIT AND GOOD ENGINEERING PRACTICES. THIS SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER COMPLETING THE WORK, IN ANY AREA. IF THIS IS OUTSIDE OF THE SEEDING PERIOD, SILT BARRIERS OR OTHER SIMILARLY EFFECTIVE MEASURES SHALL BE PROVIDED UNTIL SUCH TIME THAT THE AREAS CAN BE SEEDED.

4. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL CURRENT STANDARDS AND SPECIFICATIONS ADOPTED BY THE CITY OF LEE'S SUMMIT. THE DEVELOPER WILL BE RESPONSIBLE FOR DETERMINING ALL ADDITIONAL STANDARDS, SPECIFICATIONS OR REQUIREMENTS WHICH ARE REQUIRED BY GOVERNING AGENCIES (INCLUDING LOCAL, STATE AND FEDERAL AUTHORITIES) HAVING JURISDICTION OVER THE WORK PROPOSED BY THESE CONSTRUCTION DRAWINGS.

5. ALL EROSION CONTROL MEASURES, TEMPORARY OR PERMANENT, REQUIRE MAINTENANCE TO PRESERVE THEIR EFFECTIVENESS. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED IMMEDIATELY AFTER EACH HEAVY RAINSTORM AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY. ALL COSTS ASSOCIATED WITH THE REPAIR WORK INCLUDING RELATED INCIDENTALS WILL BE THE DEVELOPER'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE DEVELOPER'S BID FOR THE PROPOSED WORK.

6. ALL EROSION CONTROL MEASURES TO BE PER APWA KANSAS CITY METRO CHAPTER STANDARD DETAILS.

7. THE DEVELOPER MUST REMOVE AT HIS COST ANY BAD SUBSURFACE SOIL WHICH WOULD NOT BE ABLE TO SUPPORT ANY PROPOSED PUBLIC IMPROVEMENT. BACKFILL SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL SECTIONS 2100 AND 2201 ENTITLED "GRADING AND SITE PREPARATION" AND "SUBGRADE PREPARATION".

8. THE CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTORS 48 HOURS PRIOR TO ANY LAND DISTURBANCE WORK AT (816) 969-1200

9. TREE CLEARING TO HAPPEN BETWEEN NOVEMBER 1 AND MARCH 31. TREES CLEARED BETWEEN APRIL 1 AND OCTOBER 31 MUST BE TREES GREATER THAN 1,000 FEET FROM FORESTED OR WOODED AREAS OR TREES LESS THAN 3 INCHES IN DIAMETER, AT BREAST HEIGHT, AND NOT MIXED WITH LARGER TREES. IF LARGER TREES NEED TO BE CLEARED, A SURVEY OF THE TREES MUST BE CONDUCTED TO MAKE SURE THERE ARE NO BAT ROOSTS IN THE TREES.

TREE CLEARING TO BE CONDUCTED BY CUTTING DOWN AND MULCHING OR BY PUSHING OVER AND MULCHING. TREES SHALL NOT BE BURNED DOWN.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS-BUILT
PRIVATE GRADING				
1	EXCAVATION	C.Y.	52613	
2	EMBANKMENT	C.Y.	83489	
PUBLIC GRADING				
3	EXCAVATION	C.Y.	8049	
4	EMBANKMENT	C.Y.	7968	
SITE DISTURBANCE				
5	INLET PROTECTION	EA.	12	
6	SILT FENCE	L.F.	3398	
7	MULCH BERM	L.F.	1674	
8	TEMPORARY DIVERSION BERM	L.F.	682	
9	VEHICLE TRACKING CONTROL	EA.	2	
10	DISTURBED AREA	AC.	21.54	
11	TREE CLEARING	AC.	16.46	

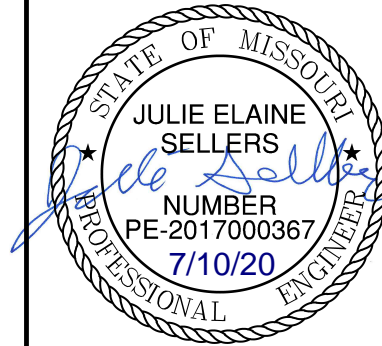
SUMMARY OF QUANTITIES IS INDICATED ABOVE AND ANY QUANTITIES AS SHOWN WITHIN THE PLANS HAVE BEEN PROVIDED FOR PERMITTING PURPOSES ONLY AND ARE NOT INTENDED FOR USE IN PREPARATION OF CONTRACT DOCUMENTS. QUANTITIES INTENDED FOR, BUT NOT LIMITED TO, THE PREPARATION OF PROPOSALS AND BID DOCUMENTS SHALL BE INDEPENDENTLY EVALUATED BY THE ESTIMATING PARTY BASED UPON THE CONTENTS OF THESE PLANS.

**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

02/24/2021

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
C402



REVISIONS

GENERAL NOTES

WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT MO

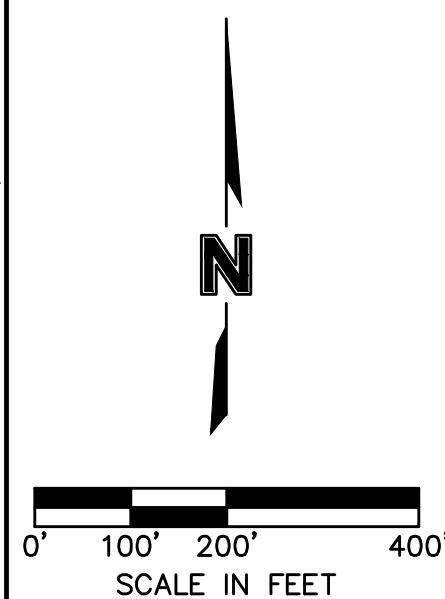
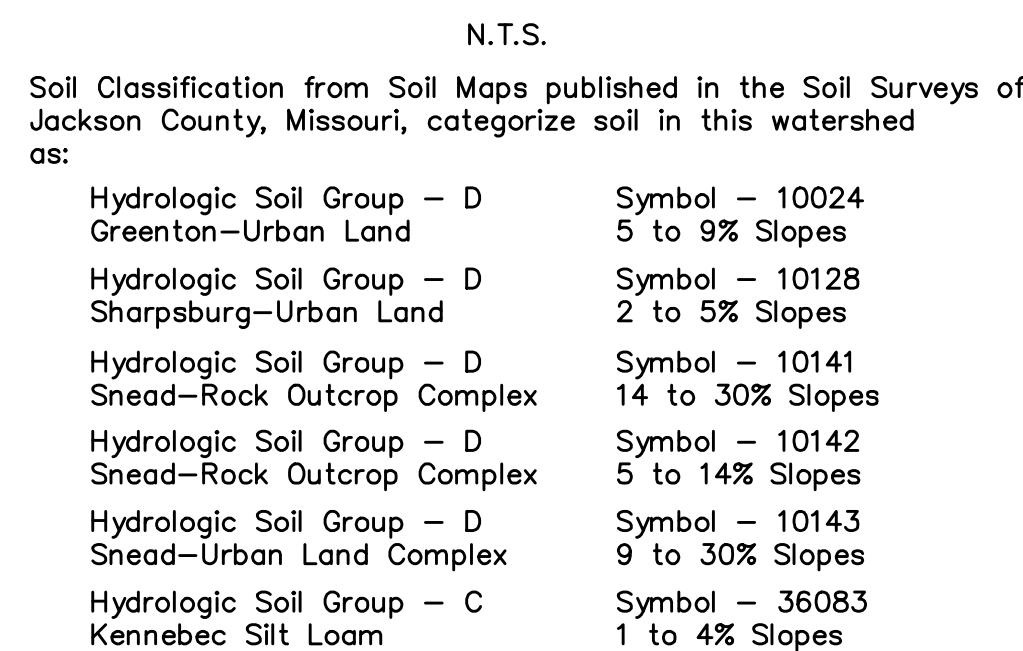
BY

REVISIONS DESCRIPTION

DATE _____

NO.
REV.

2020



**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

02/24/2021

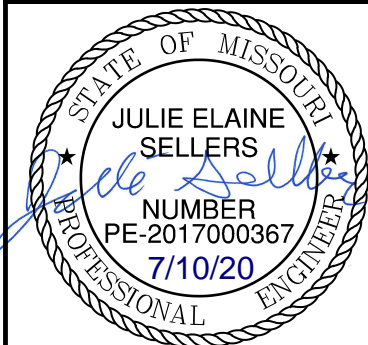
GENERAL LAYOUT SITE DISTURBANCE PLANS

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
C403

[illegible]

MO Certificate of Authority #001592
301 BURLINGTON, SUITE 100
NORTH KANSAS CITY, MO 64116
TEL 816 361 1177 www.qlsson.com





olsson



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

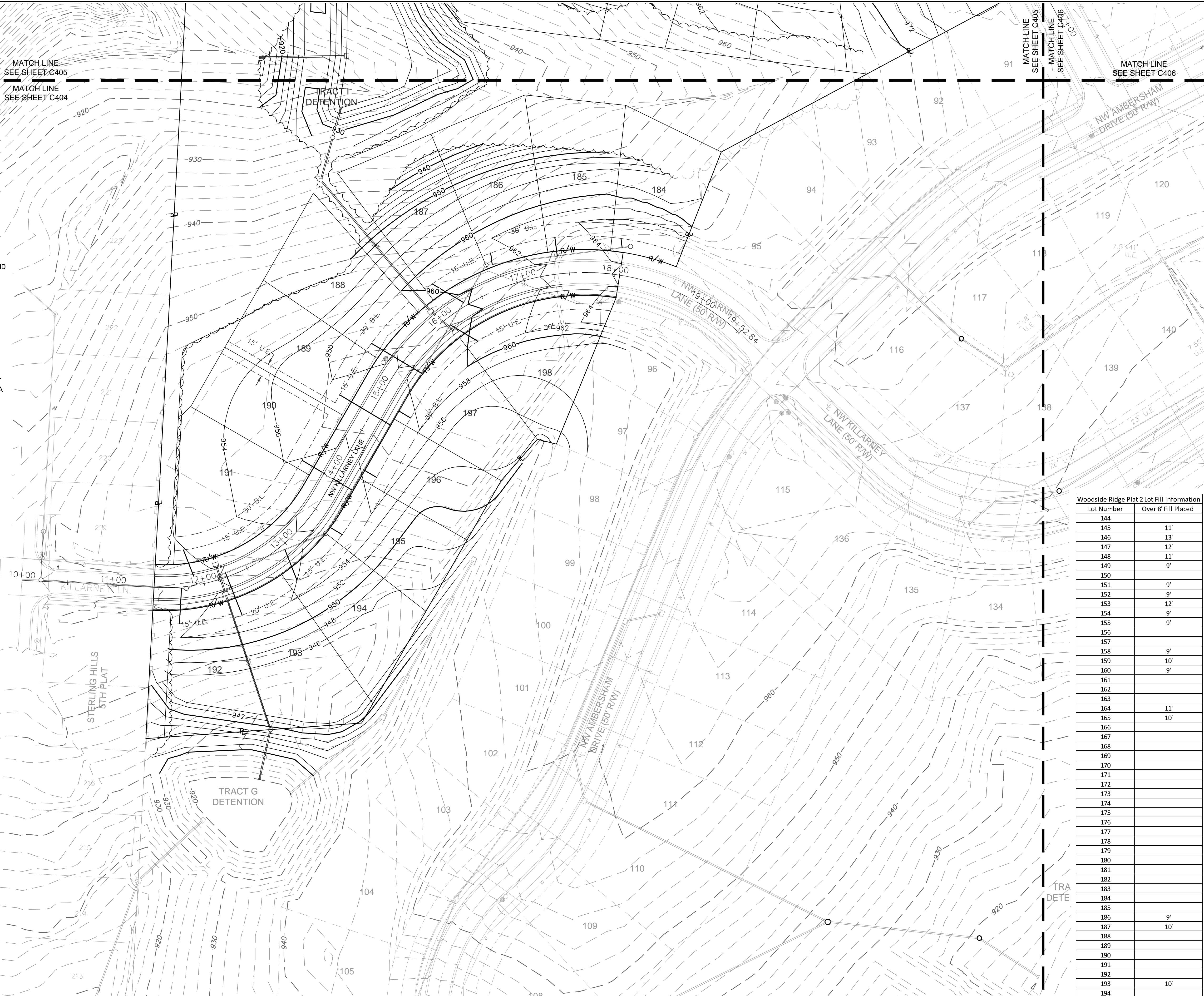
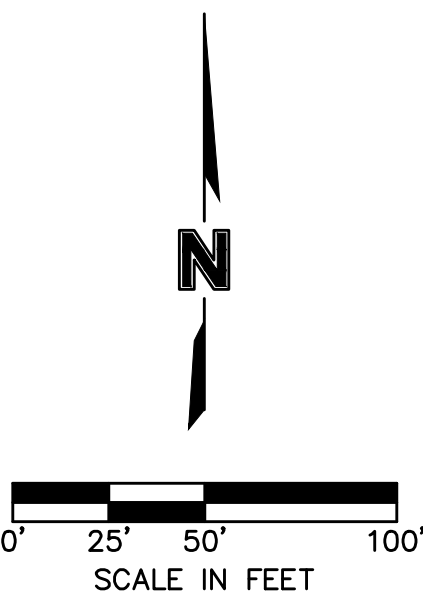
EARTHWORK QUANTITIES		
LOCATION	CUT (C.Y.)	FILL (C.Y.)
STREET	8049	7968
SITE	52613	83489
TOTAL	60662	91457

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
144	
145	11'
146	13'
147	12'
148	11'
149	9'
150	
151	9'
152	9'
153	12'
154	9'
155	9'
156	
157	
158	9'
159	10'
160	9'
161	
162	
163	
164	11'
165	10'
166	
167	
168	
169	
170	
171	
172	
173	
174	
175	
176	
177	
178	
179	
180	
181	
182	
183	
184	
185	
186	9'
187	10'
188	
189	
190	
191	
192	
193	10'
194	
195	
196	
197	
198	

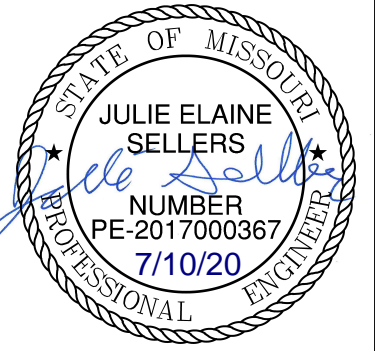
**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

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

SHEET

C404

		NO.	DATE	REVISIONS DESCRIPTION	BY
GRADING PLAN SITE DISTURBANCE PLANS					
WOODSIDE RIDGE SECOND PLAT					
LEE'S SUMMIT, MO	2020	REVISIONS			



olson

TEL 816.361.1177 www.olsson.com

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

USER: ssaylor

DWG: F:\2018\1001-1500\018-1140-C\40-Design\AutoCAD\Final Plans\Sheets\GNCV\Site Disturbance\C_GRD02_C181140.dwg

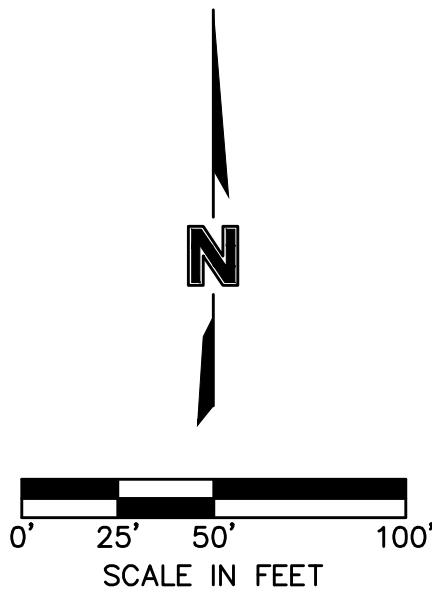
drawn by: C.S.M
checked by: S.M.S
designed by: C.S.M
QA/QC by: J.E.S
project no.: C18-1140
date: 2020.07.10

SHEET
C404

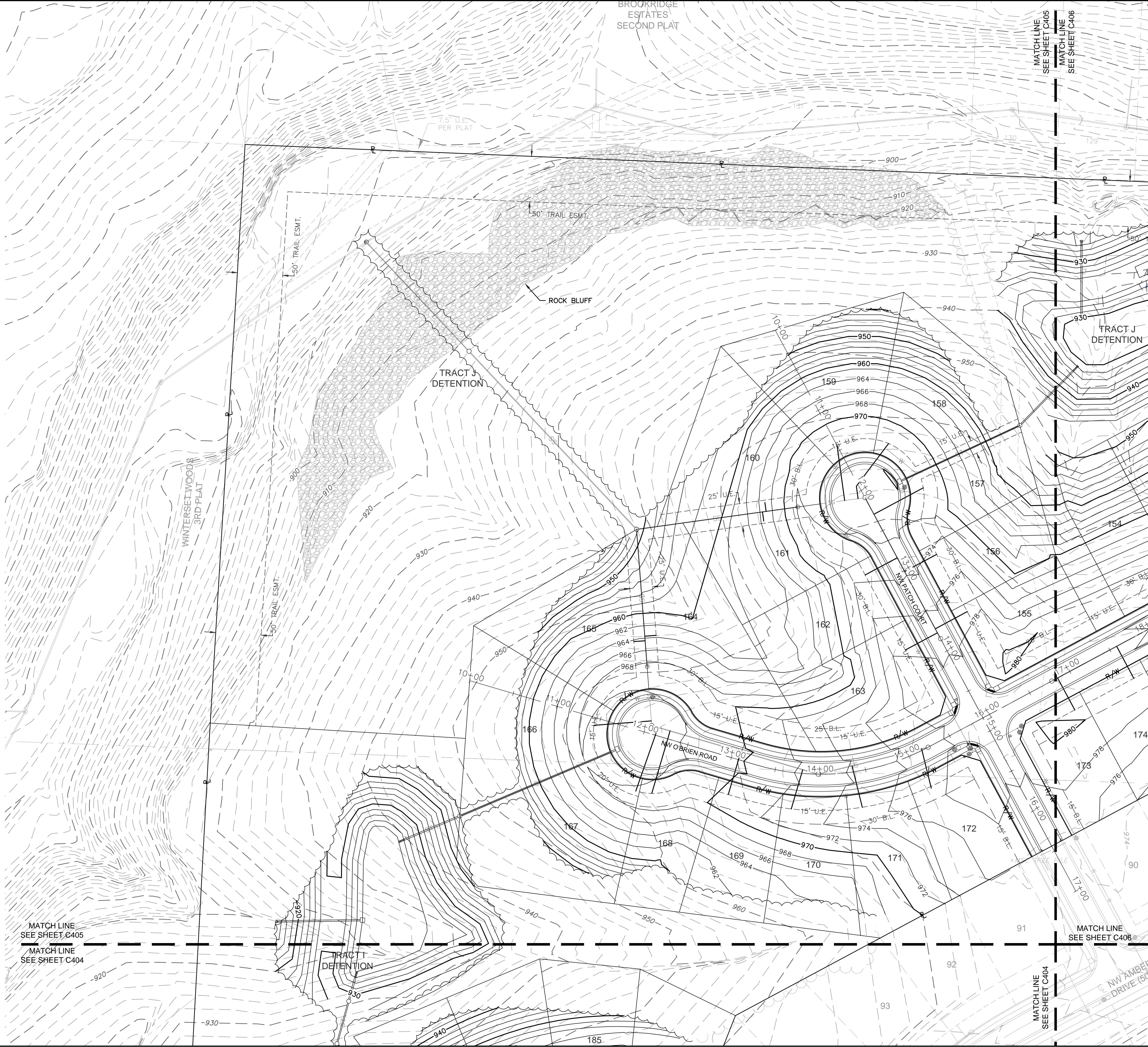


KEY MAP

Woodside Ridge Plat 2 Lot Fill Information	
Lot Number	Over 8' Fill Placed
144	
145	11'
146	13'
147	12'
148	11'
149	9'
150	
151	9'
152	9'
153	12'
154	9'
155	9'
156	
157	
158	9'
159	10'
160	9'
161	
162	
163	
164	11'
165	10'
166	
167	
168	
169	
170	
171	
172	
173	
174	
175	
176	
177	
178	
179	
180	
181	
182	
183	
184	
185	
186	9'
187	10'
188	
189	
190	
191	
192	
193	10'
194	
195	
196	
197	
198	



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/24/2021



BY

NO. REV.

DATE

REVISIONS DESCRIPTION

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

GRADING PLAN
SITE DISTURBANCE PLANS

WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT, MO

2020

SHEET
C405

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

USER: ascyfor

DWG: F:\2018\1001-1500\018-1140-C\40-Design\AutoCAD\Final Plans\Sheets\GNCV\Site Disturbance\C-ERC01_C181140.dwg
DATE: Jul 03, 2020 12:58pm

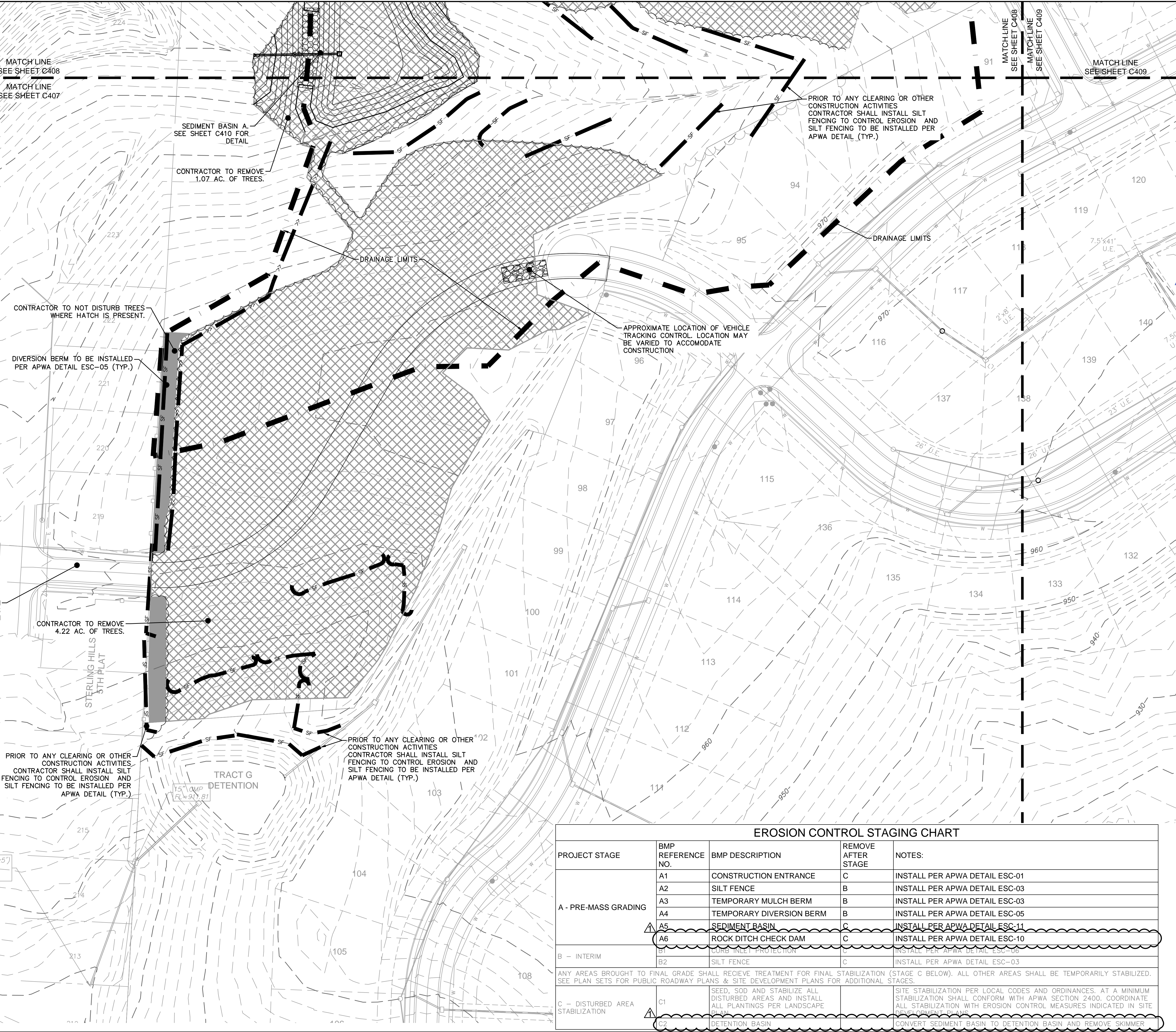


KEY MAP

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

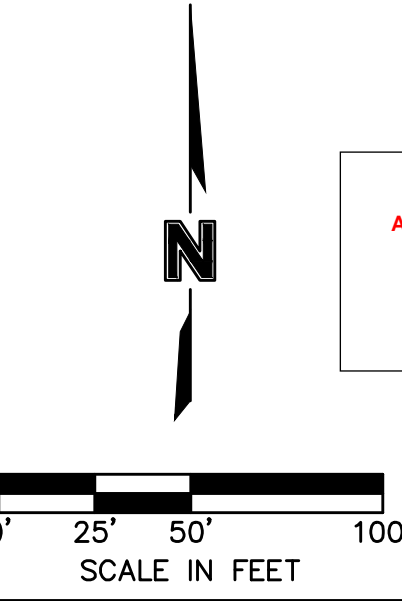
WHERE SILT FENCE IS SPECIFIED, IT MAY BE REPLACED BY MULCH BERM OR WATTLES FILLED WITH MULCH AT THE CONTRACTOR'S DISCRETION. MULCH BERMS MAY NOT BE REPLACED BY SILT FENCE.

NO CONSTRUCTION TRAFFIC THROUGH THE EXISTING STERLING HILLS SUBDIVISION



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

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/24/2021



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

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

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

SITE DISTURBANCE PLAN - PROJECT STAGE A
SITE DISTURBANCE PLANS

WOODSIDE RIDGE
SECOND PLAT









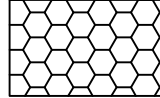
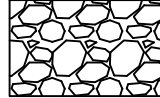



LEE'S SUMMIT, MO

2020

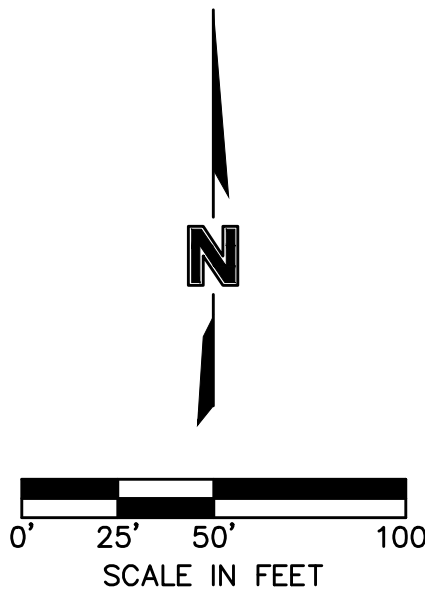
drawn by: _____ C.S.M.
checked by: _____ S.M.S.
designed by: _____ C.S.M.
QA/QC by: _____ J.E.S.
project no.: C18-1140
date: 2020.07.10

SHEET
C407

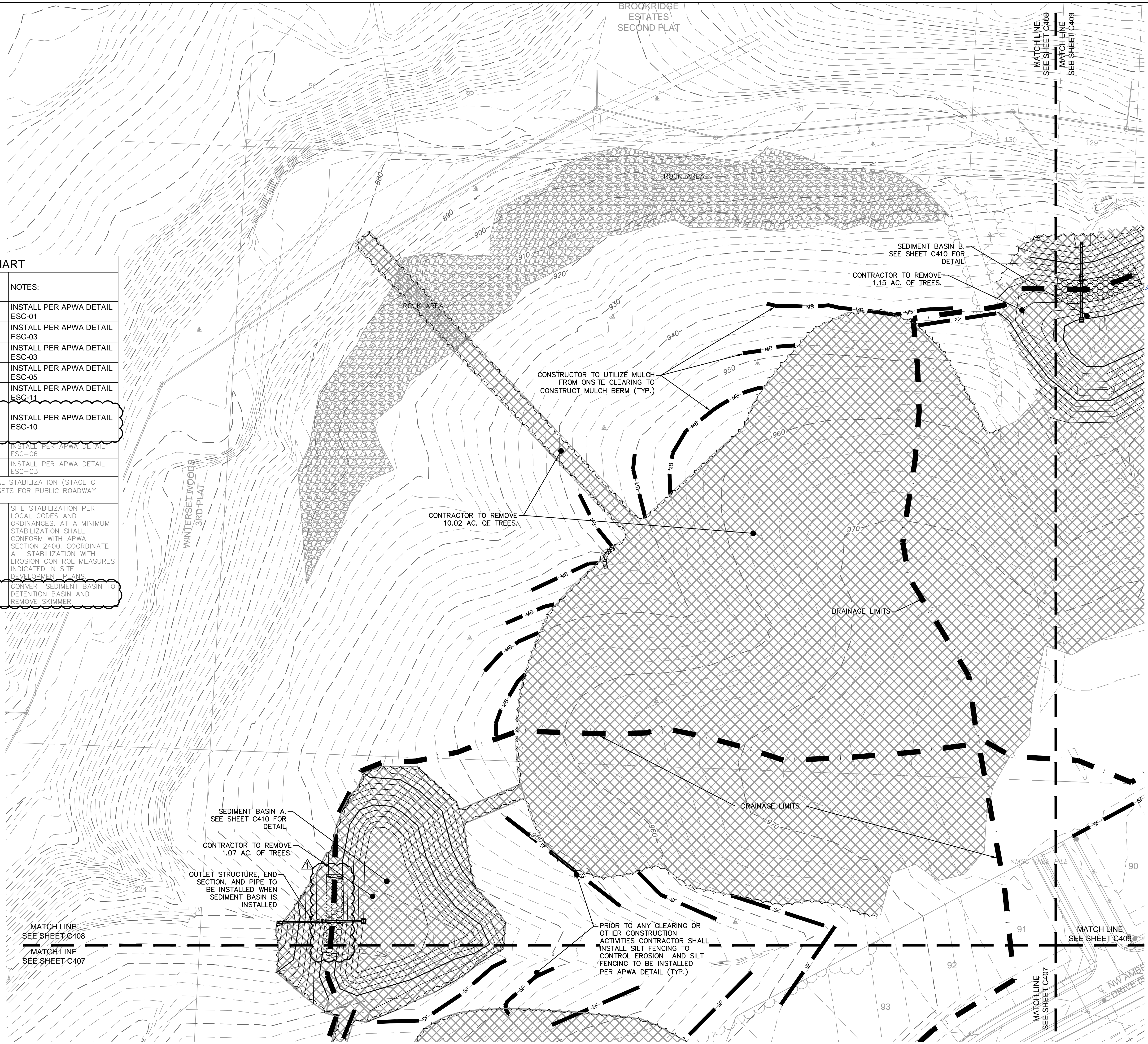


LEGEND	
PHASE 1	
 SF 	SILT FENCE
 << 	TEMPORARY DIVERSION BERM
 MB 	TEMPORARY MULCH BERM
 I 	DRAINAGE LIMITS
	EMERGENCY SPILLWAY
	TEMPORARY STONE CONSTRUCTION ENTRANCE
	DO NOT DISTURB TREES
	TREE CLEARING
	ROCK CHECK DAMS

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.



**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/24/2021**



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

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

WOODSIDE RIDGE SECOND PLAT	SITE DISTURBANCE PLAN - PROJECT STAGE A SITE DISTURBANCE PLANS	20
-------------------------------	---	----

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

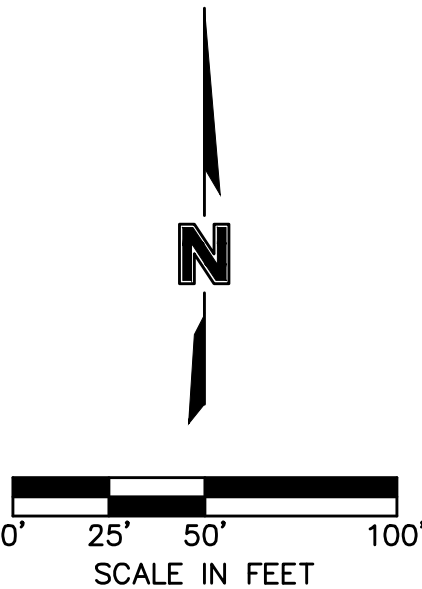
olsson








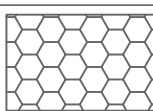
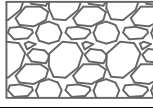


MO Certificate of Authority #001592
1301 BURLINGTON, SUITE 100
NORTH KANSAS CITY MO 64116

TEI 816 361 1177
www.djssn.com



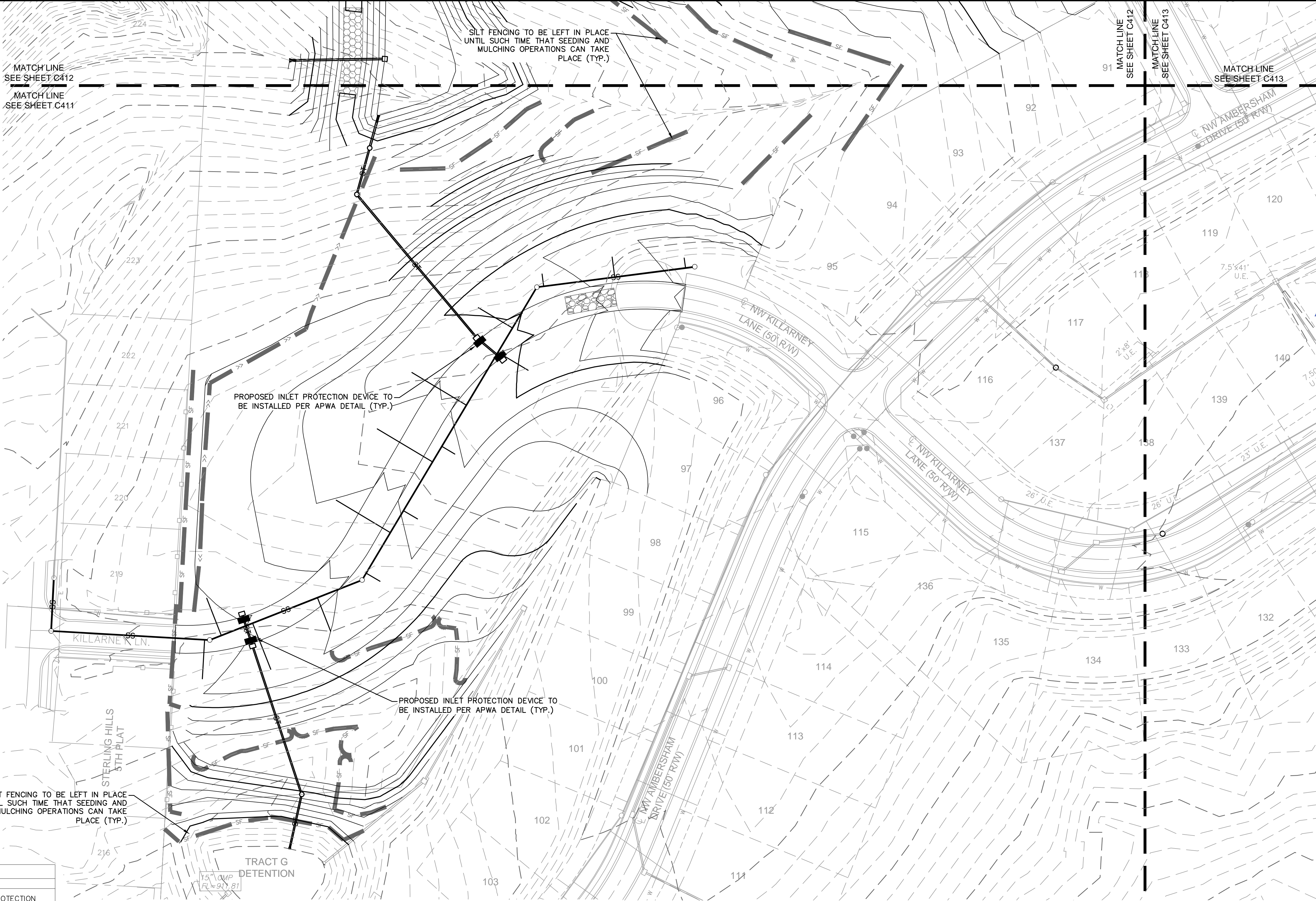
KEY MAP



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.

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/24/2021



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

olsson

NO Conflicts of Interest at 03/09/22
303 E. HURON ST. 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

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

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









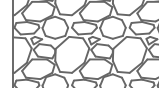


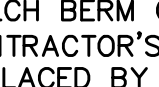
SHEET
C411



KEY MAP

EROSION CONTROL STAGING CHART

PROJECT STAGE	BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
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	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

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.

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/24/2021

MATCH LINE
SEE SHEET C412
MATCH LINE
SEE SHEET C411

MATCH LINE
SEE SHEET C413

MATCH LINE
SEE SHEET C411

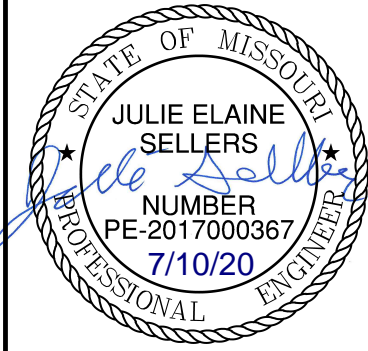
CONTRACTOR TO INSTALL SILT
FENCING TO CONTROL EROSION AND
SILT FENCING TO BE INSTALLED PER
APWA DETAIL (TYP.)

PROPOSED INLET PROTECTION DEVICE
TO BE INSTALLED PER APWA DETAIL
(TYP.)

MULCH BERMS TO BE LEFT IN PLACE
UNTIL SUCH TIME THAT SEEDING AND
SODDING OPERATIONS CAN TAKE
PLACE (TYP.)

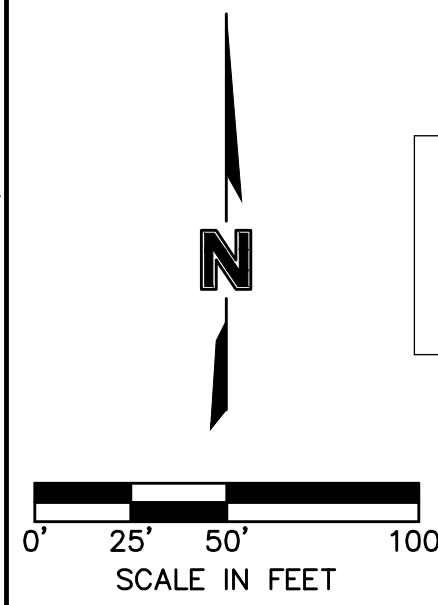
PROPOSED INLET PROTECTION DEVICE
TO BE INSTALLED PER APWA DETAIL
(TYP.)

SILT FENCING TO BE LEFT IN PLACE
UNTIL SUCH TIME THAT SEEDING AND
MULCHING OPERATIONS CAN TAKE
PLACE (TYP.)



REVISIONS	
NO.	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	
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	



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
	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

SITE DISTURBANCE PLAN - PROJECT STAGE B SITE DISTURBANCE PLANS	WOODSIDE RIDGE SECOND PLAT	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	2020
		LEE'S SUMMIT, MO	

SHEET

C413

Olsson

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

www.qlsson.com

TFI 816 361 1177

ATION, SUITE 100
AS CITY, MO 64111

1301 B
NORTH

--	--

1

11

11

L

1517

1

11

11

11

--	--

20

MIT.

55

7

E.S.
140



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.






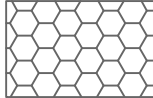
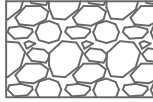




SEED & FERTILIZER RATE:
MIX I - RYE GRASS / BLUE GRASS -----100 LBS. PER
ACRE
MIX II - TALL FESCUE / BLUE GRASS -----195 LBS. PER
ACRE
FERTILIZER -----800 TO 1200
LBS. PER ACRE (25 LBS. PER 1000 SQ. FT.)

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 SHALL BE VEGETATIVE TYPE, OR STRAW FROM PLANTS OF GRASSES OR CEREALS 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.

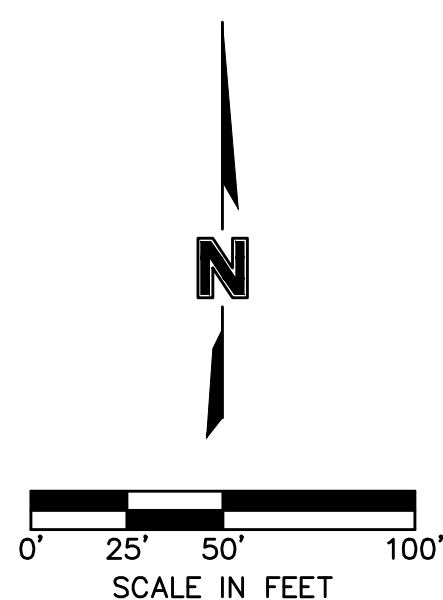
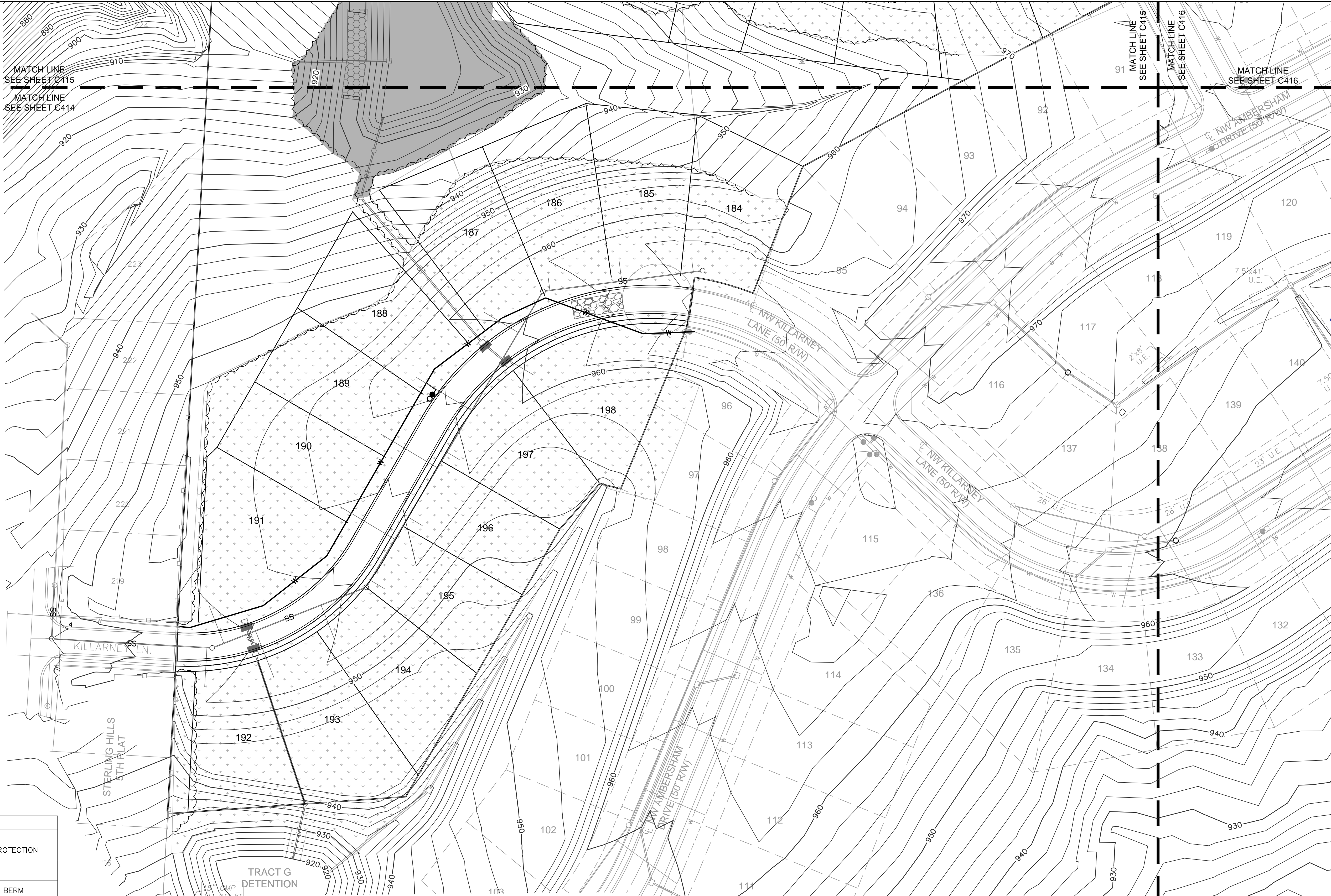
THE SITE DISTURBANCE PLANS INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE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



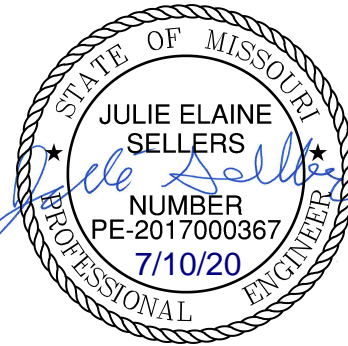
**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

02/24/2021

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]

REVISIONS

2020

LEE'S SUMMIT MO

olson

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



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 & 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.

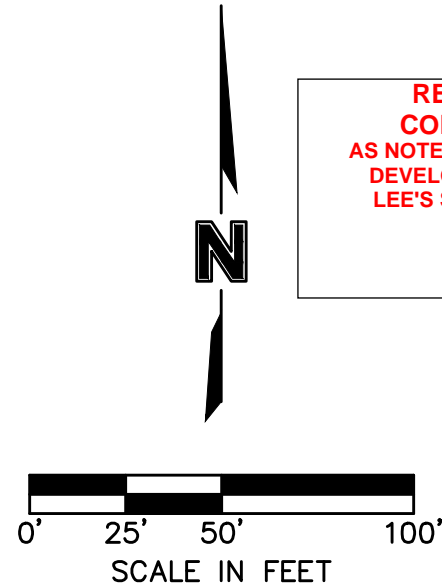
SEED & FERTILIZER RATE:
MIX I - RYE GRASS / BLUE GRASS -----100 LBS. PER. ACRE
MIX II - TALL FESCUE / BLUE GRASS -----195 LBS. PER ACRE
FERTILIZER -----800 TO 1200 LBS. PER ACRE (25 LBS. PER 1000 SQ. FT.)

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 SHALL BE VEGETATIVE TYPE, CEREAL 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 ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE FINAL DEVICES ARE IN PLACE.

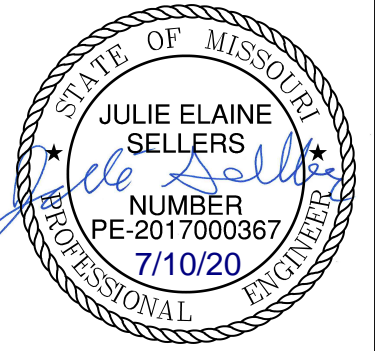
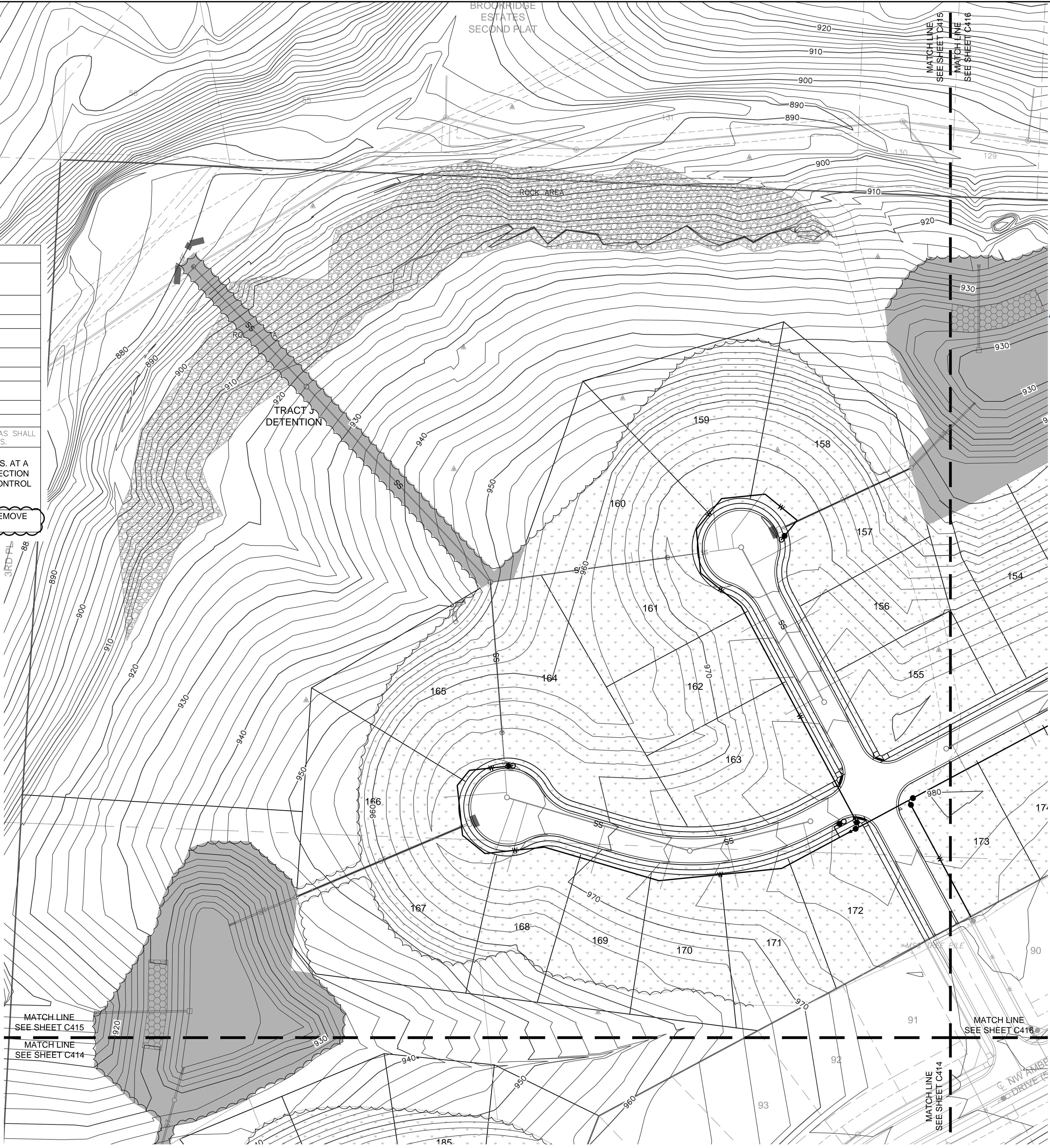
ALL DISTURBED AREAS SHALL BE PREPPED FOR SEEDING/SODDING PER KCMO/APWA 2406. APPLICATION OF SEED/SOD SHALL BE DONE IN ACCORDANCE WITH KCMO/APWA 2406.4. THE SITE DISTURBANCE PERMIT SHALL BE MAINTAINED IN AN "OPEN" STATUS UNTIL FINAL ACCEPTANCE PER KCMO/APWA 2407.

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.



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/24/2021

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.



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

SITE DISTURBANCE PLAN - PROJECT STAGE C		WOODSIDE RIDGE SECOND PLAT	2020
SITE DISTURBANCE PLANS			
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
C415

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

olsson

NO. Certificate of Authority # 001892
301 E. HURLOCK ST. SUITE 100
NORTH KANSAS CITY, MO 64116
TEL. 816.361.1177
www.olson.com

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

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.

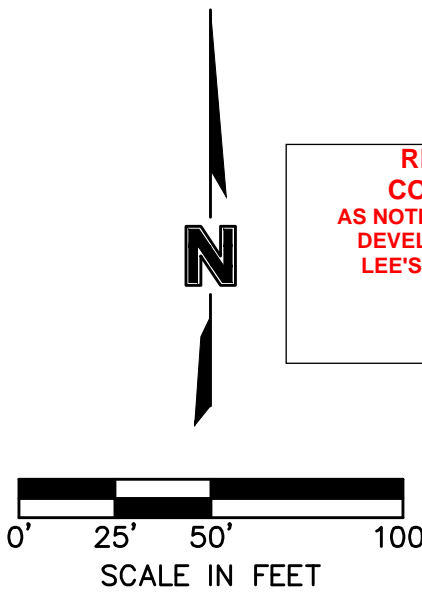
SEED & FERTILIZER RATE:
MIX I - RYE GRASS / BLUE GRASS -----100 LBS. PER ACRE
MIX II - TALL FESCUE / BLUE GRASS -----195 LBS. PER ACRE
FERTILIZER -----800 TO 1200 LBS. PER ACRE (25 LBS. PER 1000 SQ. FT.)

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 SHALL BE VEGETATIVE TYPE, CEREAL 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 ON 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.



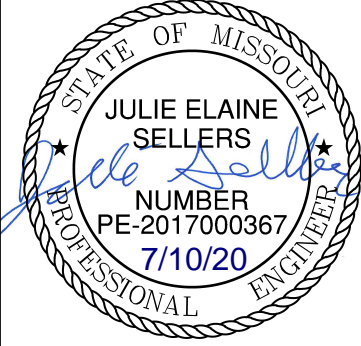
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/24/2021



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.

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



REVISIONS	
NO.	DESCRIPTION
1	7/10/2020

SITE DISTURBANCE PLAN - PROJECT STAGE C SITE DISTURBANCE PLANS	
WOODSIDE RIDGE SECOND PLAT	
LEE'S SUMMIT, MO	
2020	
SHEET C416	

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

olsson

NO. Certificate of Authority # 001892
303 E. BURLINGTON SUITE 100
NORTH KANSAS CITY, MO 64116
TEL 816.361.1177
www.olson.com

