LEGEN	D:				
A/E -	ACCESS EASEMENT		S.E. Bailev	/ Road	
BC -	BACK OF CURB	[Deiley		
B/B -	BACK TO BACK		Earms F		
BM -	BENCHMARK		i anns i		
BL or B.L	BUILDING LINE	ро	NW1/4 PROJE	CT	
CO -	CLEANOUT	Ra	LOCAT	ION NE1/4	
TJB -	TELEPHONE JUNCTION BOX	Li Li			
C&G -	CURB AND GUTTER	ble	(1		
D/E -	DRAINAGE EASEMENT	am			
E/E -	ELECTRICAL EASEMENT	I			
EL -	ELEVATION	щ			
FL -	FLOW LINE	S	SW1/4	SE1/4	
G/E -	GAS LINE EASEMENT				
HDPE -	HIGH-DENSITY POLYETHYLENE				
L/E -	LANDSCAPE EASEMENT		050710		
MSFE -	MINIMUM SERVICEABLE FLOOR		SECTIO	N 16-47-31	
P/I -					
PUB/F -			SCALE	1 = 2000	
RCP -	REINFORCED CONCRETE PIPE				
ROW or R/W -	RIGHT-OF-WAY				
S/E -	SANITARY SEWER EASEMENT				<u> </u>
SL -	SERVICE LINE				-
S/W -	SIDEWALK				1
TE -	TOP ELEVATION				2
U/E -	UTILITY EASEMENT				
WSE -	WATER SURFACE ELEVATION				3
W/E -	WATERLINE EASEMENT			<u>ото.</u>	2
	ASPHALT PAVEMENT - EXISTING	<u>UI</u>	ILITY CONTA		5
	ASPHALT PAVEMENT - PROPOSED	MI: TR	SSOURI DEPA	RTMENT OF ON (MODOT)	6
а. 	CONCRETE PAVEMENT - EXISTING	Stev 600	ve Holloway NE Colbern Road		
	ASPHALT PAVEMENT - EXISTING	Lee (816	's Summit, MO 6408 6) 607-2186	6	
	CONCRETE SIDEWALK - EXISTING	MI	SSOURI GAS E	ENERGY (MGE)	
	CONCRETE SIDEWALK - PROPOSED	Brei 302	nt Jones 5 SE Clover Drive	-	7
	CURB & GUTTER	(816 (816	5 Summit, MO 6408 5) 399-9633	2	c
	CURB & GUTTER - EXISTING				c c
		κ.Α CC			e e
		Ron	Deiarnette	xc)	1
——P/I	PROPERTY LINES	130	0 SE Hamblin Road		
	RIGHT-OF-WAY	Lee	's Summit, MO 64081	1	1
	SANITARY SEWER MAIN	Offic	ce: (816) 347-4316		1
	SANITARY SEWER MAIN - EXIST.	ron.	deiarnette@kcpl.com	1	
STO	STORM SEWER		, , ,		1
	STORM SEWER - EXISTING	CI	TY OF LEES SU	JMMIT PUBLIC WO	RKS
CATV _X	CABLE TV - EXISTING	Den	a Mezger		
—— FOC _X ——	FIBER OPTIC CABLE - EXISTING	Lee	's Summit. MO 6406	3	
—T	TELEPHONE LINE - EXIST.	(816	6) 969-1800	-	1
——— E _X ———	ELECTRIC LINE - EXISTING	. –			1
OHP _x	OVERHEAD POWER LINE - EXIST.	AI	& I k Manian ar Martu I a		
UGE _X —	UNDERGROUND ELECTRIC - EX.	500	F 8th Street Room	370	
G _X	GAS LINE - EXISTING	Kan	sas City, MO 64106		
VV _X		(816	6) 275-2341 or (816)	275-1550	
		~~		E	
\odot	EXISTING SANITARY MANHOLE	470	0 Little Blue Parkwav	,	
	PROPOSED SANITARY MANHOLE	Inde	ependence, MO 6405	57	
	EXISTING AREA INLET	(816	6) 795-2257		
	EXISTING CURB INLET				
GI	EXISTING GRATE INLET	UI Mar	k Schaufler		
JB	EXISTING JUNCTION BOX EXISTING STORM MANHOLE	120 Lee	0 SE Hamblen Road 's Summit, MO 64081	I	
		(816	5) 969-1900		

EROSION AND SEDIMENT CONTROL AND MASS GRADING PLAN FOR **RETREAT AT BAILEY FARMS, SECOND PLAT**

GENERAL NOTES:

- ADOPTED BY ORDINANCE 5813.
- MEASUREMENTS. ALL PAYMENTS SHALL BE MADE ON HORIZONTAL MEASUREMENTS. NO GEOLOGICAL INVESTIGATION HAS BEEN PERFORMED ON THE SITE. THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND
- APPARENT FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT OF WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. THE CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC.": 1-800-DIG-RITE. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES
- WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWING SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL. AFTER APPROVAL OF THE SHOP DRAWINGS, A COPY OF THE APPROVED AND
- SIGNED SHOP DRAWINGS SHALL BE PROVIDED TO THE CITY INSPECTOR UPON REQUEST THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN OTHERWISE
- CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES. 10 ALL WASTE MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF-SITE BY THE
- CONTRACTOR, OR AS DIRECTED BY THE OWNER. 11. ALL EXCAVATIONS SHALL BE UNCLASSIFIED. NO SEPARATE PAYMENT WILL BE MADE FOR ROCK EXCAVATION
- 12. THE CONTRACTOR SHALL CONTROL THE EROSION AND SILTATION DURING ALL PHASED OF CONSTRUCTION, AND SHALL KEEP THE STREETS CLEAN OF MUD AND DEBRIS. 13. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE
- AS REQUIRED 14. THE CONTRACTOR SHALL CONTACT DEVELOPMENT SERVICES INSPECTIONS AT: 816-969-1200 TO OBTAIN A DEVELOPMENT SERVICES CONSTRUCTION PERMIT. A MINIMUM 48 HOUR NOTICE SHALL BE GIVEN PRIOR TO
- PERMIT ISSUANCE. DISTURBANCE ACTIVITIES WITHIN THE RIGHT OF WAY. THESE ACTIVITIES MAY REQUIRE A PERMIT.
- 15. THE CONTRACTOR SHALL CONTACT THE RIGHT OF WAY INSPECTOR AT 816-969-1800 PRIOR TO ANY LAND 16. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TRAFFIC HANDLING MEASURES NECESSARY TO ENSURE THAT THE GENERAL PUBLIC IS PROTECTED AT ALL TIMES. TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD-LATEST EDITION).

STREET NOTES:

2

8.

- DEVELOPMENT ENGINEERING.
- CURB RETURN RADII SHALL BE 25' AT BACK OF CURB UNLESS OTHERWISE NOTED.
- ASSUMED DESIGN SPEED = 25 MPH (COLLECTOR).
- MINIMUM STOPPING SIGHT DISTANCE = 155 FEET. MINIMUM K, SAG CURVE = 26 (14 WITH LIGHTING), CREST CURVE = 12.
- GRADE INTERSECTIONS TO DRAIN AS SHOWN. SSD = STOPPING SIGHT DISTANCE. 9. 10. ALL ADA SIDEWALK RAMPS SHALL BE CONSTRUCTED BY THE DEVELOPER WITH THE PUBLIC
 - INFRASTRUCTURE.

IN THE CITY OF LEE'S SUMMIT JACKSON COUNTY, MO

ALL CONSTRUCTION TO FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS

- ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI.
- LINEAL FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS, NOT SLOPE

ALL STREET CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL. ALL APPLICABLE AASHTO STANDARDS HAVE BEEN MET. ALL INSPECTION OF STREET CONSTRUCTION TO BE PERFORMED BY THE CITY OF LEE'S SUMMIT

- SUBGRADE TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.

EARTHWORK

checks shall be in error by more than one-half the contour interval provided, as defined by the National Map Accuracy Standards. Any quantities provided for earthwork volumes are established using this topography contour accuracy, and therefore the inherent accuracy of any earthwork quantity is assumed from the topography accuracy. Proposed contours are to approximate finished grade. Unless otherwise noted, payment for earthwork shall include backfilling of the curb and gutter, sidewalk and further manipulation of utility trench spoils. The site shall be left in a mowable condition and positive drainage maintained

on the plans as spot grades, contours or others means as indicated on the plans.

It is recommended that a Geotechnical Engineer observe and document all earthwork activities.

- throughout. Unless otherwise noted, all earthwork is considered Unclassified. No additional compensation will be provided for rock or 6.
- shale excavation, unless specifically stated otherwise. 7 Prior to earthwork activities, pre-disturbance erosion and sediment control devices shall be in place per the Storm Water
- Pollution Prevention plan and/or the Erosion and Sediment Control Plan prepared for this site. All topsoil shall be stripped from all areas to be graded and stockpiled adjacent to the site at an area specified by the
- project owner or his appointed representative. Vegetation, trash, trees, brush, tree roots and limbs, rock fragments greater then 6-inches and other deleterious materials shall be removed and properly disposed of offsite or as directed by the owner or his appointed representative.
- Unless otherwise specified in the Geotechnical Report, all fills shall be placed in maximum 6-inch lifts and compacted to 95-percent of maximum density as defined using a standard proctor test (AASHTO T99/ASTM 698).
- Subgrade for pavements shall be proof-rolled prior to paving operations utilizing a fully loaded tandem axle dump truck. All areas exhibiting excessive pumping and heaving shall be removed, filled and compacted with suitable materials and retested until acceptable results are achieved and final approval has been obtained from the Geotechnical Engineer. 11. Subgrade for building pad shall include a minimum of 18-inches of Low Volume Change (LVC) material, or as identified in
- the site specific Geotechnical Report. 12. Fill materials shall be per Geotechnical Report and shall not include organic matter, debris or topsoil. All fills placed on
- slopes greater than 6:1 shall be benched. 13. The Contractor shall be responsible for redistributing the topsoil over proposed turf and landscaped areas to a minimum
- depth of 6-inches below final grade. 14. All areas shall be graded for positive drainage. Unless noted otherwise the following grades shall apply: a. Turf Areas – 2.5% Minimum, 4H:1V Maximum
- b. Paved Areas 1.2% Minimum, 5% Maximum 15. A.D.A. parking stalls shall not be sloped greater then 2% in any direction and constructed per A.D.A. requirements
- 16. All disturbed areas shall be fertilized, seeded and mulched immediately after earthwork activities have ceased. Seeding shall be per the Erosion and Sediment Control Plan and/or Landscape Plan. If not specified seeding shall be per APWA Section 2400, latest edition. Unless otherwise noted, seeding shall be subsidiary to the contract price for earthwork and grading activities.
- All disturbed areas in the right-of-way shall be sodded. 17.
- 18. Underdrains are recommended for all paved areas adjacent to irrigated turf and landscaped beds. Contractor shall adhere to the reporting requirements outlined in the Storm Water Pollution Prevention Plan (SWPPP) 19. prepared for this project. Erosion and Sediment control devices shall be properly maintained and kept clean of silt and debris and in good working order. Additional erosion and sediment control measures shall be installed as required.

UTILITIES:

- Existing utilities have been shown to the greatest extent possible based upon information provided to the Engineer. The 1. contractor is responsible for contacting the respective utility companies and field locating utilities prior to construction and identifying any potential conflicts. All conflicts shall immediately be brought to the attention of the Engineer. 2. The contractor shall be responsible for coordinating any required utility relocations. Utilities damaged through the negligence of the contractor shall be repaired at the contractor's expense.
- Contractor shall verify flow-lines and structure tops prior to construction, and shall notify Engineer of any discrepancies. Provide shop drawings for all precast and manufactured utility structures for review by the Engineer prior to construction of the structures.
- Utility Separation: Waterlines shall have a minimum of 10 feet horizontal and 2 feet vertical separation from all sanitary 4 sewer lines, manholes, and sanitary sewer service laterals, as measured from edge to edge. If minimum separations can not be obtained, concrete encasement of the sanitary line shall be required 10 feet in each direction of the conflict.
- Payment for trenching, backfilling, pipe embedment, flowable fill, backfill materials, clean up, seeding, sodding and any other items necessary for the construction of the utility line shall be included in the contract price for the utility installation.
- The Contractor shall be responsible for contacting respective utility companies 48-hours in advance for the inspection of 6. any proposed utility main extension or service line or service connection to any existing main. 7. Trench spoils shall be neatly placed onsite adjacent to the trench, and compacted to prevent saturation and excess
- sediment runoff. Unsuitable materials, excess rock and shale, asphalt, concrete, trees, brush etc. shall be properly disposed of offsite. Materials may be wasted onsite at the direction of the Owner or his appointed representative. 8. All excavation is considered unclassified, unless noted otherwise. Unclassified excavation for utility trenching is
- subsidiary to the unit price provided for the pipe. Any quantity provided for rock excavation is estimated based on the best information provided to the Project Engineer. The Engineer has the authority to identify and define the physical characteristics to determine the classification. Unit price quantities for rock excavation will be paid at a trench width of the nominal pipe diameter of the installed main plus 18 inches. Contractor is required to dispose of excess rock from their trenches by disposing it in areas as specified by the Project Engineer.

Sheet List Table Sheet Number Sheet Title 1 COVER SHEET 2 PRE-CONSTRUCTION EROSION CONTROL PLAN 3 EROSION CONTROL PLAN 4 POST-CONSTRUCTION EROSION CONTROL PLAN 5 **EROSION CONTROL DETAILS** EROSION CONTROL DETAILS 6

Contours have been shown at 1-foot or 2-foot intervals, as indicated. Grading shall consist of completing the earthwork required to bring the physical ground elevations of the existing site to the finished grade (or sub-grade) elevations provided

The existing site topography depicted on the plans by contouring has been established by aerial photography and field verified by g.p.s. observation near 02/24/2025. The contour elevations provided may not be exact ground elevations, but rather interpretations of such. Accuracy shall be considered to be such that not more than 10 percent of spot elevation

APPROVED BY

CITY ENGINEER APPROVED FOR ONE YEAR FROM THIS DATE

DATE

OWNER/DEVELOPER:

CLAYTON PROPERTIES GROUP INC., DBA SUMMIT HOMES BRADLEY KEMPF 120 SE 30TH STREET LEE'S SUMMIT, MO 64082 p (816) 246-6700 BRADLEY@SUMMITHOMESKC.COM



MISSOURI GEOGRAPHIC REFERENCE SYSTEM **BENCHMARK**:

BM JA-45, IS A KC METRO ALUMINUM GRS DISK SET IN CONCRETE AND ABOUT 3 INCHES BELOW THE PAVEMENT ON THE SHOULDER OF SE RANSON ROAD. IT IS STAMPED JA45, 1987.







DISTURBED AREA = 6.35 AC.

- SITE SPECIFIC NOTES:
- 1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- 2. THERE ARE NO WETLANDS, NATURAL OR ARTIFICIAL WATER STORAGE DETENTION AREAS IN THE PROJECT AREA.
- NO PART OF THE PROJECT LIES WITHIN THE 100 YEAR 3. FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29095C0438G & 29095C0439G DATED JANUARY 20TH, 2017.
- 4. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
- 5. CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE
- NOTED IN THE FIELD. 6. STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION

		EROSIC	ON AND SEDIMENT CONT	ROL ST	AGING CHART
	PROJECT STAGE	BMP PLAN REF. NO	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
PHASE	A - PRIOR TO LAND DISTURBANCE	1	CONSTRUCTION ENTRANCE & STAGING AREA	D	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
LEARING		2	SUPER SEDIMENT FENCE	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
PRE-C		3	SILT FENCE (PRIOR TO LAND DISTURBANCE)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
PHASE	B - MASS GRADING	4	SILT FENCE (DURING CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT ESTABLISHED GROUND COVER
CONSTRUCTION	C - UTILITY CONSTRUCTION	5	CONCRETE WASHOUT AREA	E	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
		6	INLET PROTECTION (SILT FENCE)	D/E	PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
FINAL STABILIZATION PHASE	D - AFTER PAVING OPERATIONS	7	INLET PROTECTION (GRAVEL FILTER BAGS)	E	BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED
		8	SILT FENCE (AFTER CURB CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
		9	SEEDING, MULCHING, AND TURF REINFORCEMENT MAT	E	ALL DISTURBED AREAS AFTER 14 DAYS OF CONSTRUCTION INACTIVITY. PLACE TRM PER MANUFACTURER'S RECOMMENDATIONS IN OVERFLOW SWALE(S).
	E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT				ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.

L	EGEND	
TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA	SF	SUPER SEDIMENT SILT FENCE (PRIOR TO LAND DISTURBANCE)
	SF1	SILT FENCE (PRIOR TO LAND DISTURBANCE)
CONCRETE WASHOUT AREA	SF2	SILT FENCE (DURING CONSTRUCTION)
SILT FOAM DIKE - STAKED & INSTALL PER MFR'S	••	LIMITS OF DISTURBANCE
RECOMMENDATIONS	965	EXISTING CONTOURS
BMP PLAN REF. NO.	<u>965</u>	PROPOSED CONTOURS
SILT FENCE FOR INLET PROTECTION PRIOR TO STRUCTURE TOP		GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY

ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE

ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION

OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPS. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.

- ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
- SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.

AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.

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SCALE: 1" = 40'







DISTURBED AREA = 6.35 AC.

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L	EGEND	
TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA	SF	SUPER SEDIMENT SILT FENCE (PRIOR TO LAND DISTURBANCE)
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CONCRETE WASHOUT AREA	SF2	SILT FENCE (DURING CONSTRUCTION)
SILT FOAM DIKE - STAKED & INSTALL PER MFR'S	••	LIMITS OF DISTURBANCE
RECOMMENDATIONS	965	EXISTING CONTOURS
BMP PLAN REF. NO.	<u>965</u>	PROPOSED CONTOURS
SILT FENCE FOR INLET PROTECTION PRIOR TO STRUCTURE TOP		GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY

8.

ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION

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AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.

BMP DESCRIPTION	REMOVE AFTER	NOTES
	STAGE	NOTES:
CONSTRUCTION ENTRANCE & STAGING AREA	D	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
SUPER SEDIMENT FENCE	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
SILT FENCE (PRIOR TO LAND DISTURBANCE)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
SILT FENCE (DURING CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT ESTABLISHED GROUND COVER
CONCRETE WASHOUT AREA	Е	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
INLET PROTECTION (SILT FENCE)	D/E	PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
INLET PROTECTION (GRAVEL FILTER BAGS)	E	BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED
SILT FENCE (AFTER CURB CONSTRUCTION)	Е	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER
SEEDING, MULCHING, AND TURF REINFORCEMENT MAT	E	ALL DISTURBED AREAS AFTER 14 DAYS OF CONSTRUCTION INACTIVITY. PLACE TRM PER MANUFACTURER'S RECOMMENDATIONS IN OVERFLOW SWALE(S).
		ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.
	STAGING AREA SUPER SEDIMENT FENCE SUPER SEDIMENT FENCE SILT FENCE (PRIOR TO LAND DISTURBANCE) SILT FENCE (DURING CONCRETE WASHOUT AREA INLET PROTECTION (SILT FENCE) INLET PROTECTION (SILT FENCE) SILT FENCE (AFTER CURB CONSTRUCTION) SEEDING, MULCHING, AND TURF REINFORCEMENT MAT	SUPER SEDIMENT FENCEESUPER SEDIMENT FENCEESILT FENCE (PRIOR TO LAND DISTURBANCE)ESILT FENCE (DURING CONSTRUCTION)ECONCRETE WASHOUT AREAEINLET PROTECTION (SILT FENCE)D/EINLET PROTECTION (GRAVEL FILTER BAGS)ESILT FENCE (AFTER CURB CONSTRUCTION)ESEEDING, MULCHING, AND TURF REINFORCEMENT MATE

SCALE: 1" = 40'

		THE TANKEN STREET - LEAVE AND TANKEN STREET	(913) 492-5158 • Fax: (913) 492-8400	Missouri State Certificates of Authority	
SCHLA	GEL & A	SSOC	CIATE	ES, F	².A.
RETREAT AT BAILEY FARMS, SECOND PLAT	EROSION AND SEDIMENT CONTROL AND		SE BAILEY FARMS PKWY & SE ARBORETUM DR	I FE'S SLIMMIT MO	
REVISION DATE DESCRIPTION	<u>2</u> <u>3</u>		<u>/6</u>		6
DRAWN BY: NCA		DIS DATE PREPARED:	7d 04/09/2025	PROJ. NUMBER:	25-040
SHE	ET	3			





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- 6. STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION

	EROSION AND SEDIMENT CONTROL STAGING CHART							
	PROJECT STAGE	BMP PLAN REF. NO	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:			
EARING PHASE		1	CONSTRUCTION ENTRANCE & STAGING AREA	D	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY			
	A - PRIOR TO LAND DISTURBANCE	2	SUPER SEDIMENT FENCE	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER			
PRE-C		3	SILT FENCE (PRIOR TO LAND DISTURBANCE)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER			
PHASE	B - MASS GRADING	4	SILT FENCE (DURING CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT ESTABLISHED GROUND COVER			
CONSTRUCTION		5	CONCRETE WASHOUT AREA	E	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY			
	C - UTILITY CONSTRUCTION	6	INLET PROTECTION (SILT FENCE)	D/E	PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER			
FINAL STABILIZATION PHASE		7	INLET PROTECTION (GRAVEL FILTER BAGS)	E	BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED			
	D - AFTER PAVING OPERATIONS	8	SILT FENCE (AFTER CURB CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE ESTABLISHED SUFFICIENT GROUND COVER			
		9	SEEDING, MULCHING, AND TURF REINFORCEMENT MAT	E	ALL DISTURBED AREAS AFTER 14 DAYS OF CONSTRUCTION INACTIVITY. PLACE TRM PER MANUFACTURER'S RECOMMENDATIONS IN OVERFLOW SWALE(S).			
	E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT				ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.			

L	EGEND	
TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA	SF	SUPER SEDIMENT SILT FENCE (PRIOR TO LAND DISTURBANCE)
	SF1	SILT FENCE (PRIOR TO LAND DISTURBANCE)
CONCRETE WASHOUT AREA	SF2	SILT FENCE (DURING CONSTRUCTION)
SILT FOAM DIKE - STAKED & INSTALL PER MFR'S	••	LIMITS OF DISTURBANCE
RECOMMENDATIONS	965	EXISTING CONTOURS
BMP PLAN REF. NO.	<u>965</u>	PROPOSED CONTOURS
SILT FENCE FOR INLET PROTECTION PRIOR TO STRUCTURE TOP		GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY

ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE

ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION

OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPS. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.

- ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
- SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.

AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.



-SCALE: 1" = 40'



SUPER SEDIMENT FENCE NOTES: A) CONSTRUCTION SPECIFICATIONS:

1. FENCING SHALL BE 42-INCHES IN HEIGHT.

- 2. WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES AND STAPLES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS, AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
- 3. SEDIMENT FENCE SHALL BE FASTENED SECURELY TO THE WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID-SECTION. 4. SEDIMENT FENCE AND WIRE SHALL BE EMBEDDED A MINIMUM OF 8-INCHES INTO THE GROUND.
- 5. WHEN TWO SECTIONS OF GEOTEXTILE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6-INCHES AND FOLDED.
- 6. WIRE FENCE WILL BE BETWEEN 9 AND 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF
- 6-INCHES. 7. SEDIMENT FENCE SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

ADDITIONAL SPECIFICATIONS ARE FOUND IN ASTM 6461. SEDIMENT FENCE REQUIREMENTS

SEDIMENT FENCE REQUI	REMENTS	
TENSION STRENGTH	50 LB/IN OR MORE	ASTM 4632
TENSION MODULUS	20 LB/IN OR MORE	ASTM 4632
FLOW RATE	0.3 GAL/FT ² /MINUTE OR LESS	ASTM 5141
FILTERING EFFICIENCY	75 % OR MORE	ASTM 5141

B) INSTALLATION:

- 1. THE HEIGHT OF A SEDIMENT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE AND SHALL NOT EXCEED 34-INCHES ABOVE GROUND SURFACE.
- 2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE UNAVOIDABLE, FILTER CLOTH SHALL BE
- SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY 3. SEALED. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ON THE UPSLOPE
- 4. SIDE OF THE PROPOSED LOCATION OF THE FENCE. WHEN WIRE SUPPORT IS USED. STANDARD-STRENGTH FILTER CLOTH MAY BE USED. POSTS FOR THIS TYPE OF INSTALLATION SHALL BE PLACED A MAXIMUM OF 10 FEET APART. THE WIRE MESH FENCE MUST BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 34 INCHES ABOVE THE ORIGINAL GROUND SURFACE. THE STANDARD-STRENGTH FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC 5. SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- IF A SEDIMENT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, IT MUST BE OF SUFFICIENT LENGTH TO ELIMINATE ENDFLOW, AND THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE WITH THE ENDS ORIENTED UPSLOPE. EXTRA-STRENGTH FILTER FABRIC SHALL BE USED FOR 6. THIS APPLICATION WITH A MAXIMUM 3-FOOT SPACING OF POSTS.
- THE 4 INCH BY 6 INCH TRENCH SHALL BE BACKFIELD AND THE SOIL COMPACTED OVER THE FILTER 7. FABRIC.
- SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED. SEDIMENT ACCUMULATION SHOULD NOT EXCEED 1/2 THE HEIGHT OF THE FENCE.

1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED

AMERICAN PUBLIC WORKS ASSOCIATION 3. MAINTENACE SHALL BE PERFORMED AS NEEDED AND SEDIMENT BUILD-UPS REMOVED WHEN BULGES <u>Zaphvas</u> KANSAS CITY DEVELOP IN THE SEDIMENT FENCE OR WHEN SEDIMENT REACHES 50% OF THE FENCE HEIGHT. METROPOLITAN CHAPTER 4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, AND BRING THE AREA TO GRADE STANDARD DRAWING NUMBER ESC-12 ADOPTED: SUPER SEDIMENT FENCE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

