

# GEC INDEX SHEET

SCALE: 1" = 300'



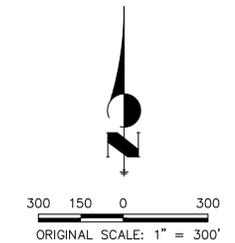
KEY MAP  
SCALE: 1" = 2000'

### BENCHMARK

1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION  
NORTHING = 411416.273  
EASTING = 235167.071  
ELEVATION = 7023.42
2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PANWEE RANCHERS SUBDIVISION  
NORTHING = 410095.404  
EASTING = 235052.131  
ELEVATION = 7000.40
3. THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION  
NORTHING = 411399.962  
EASTING = 233849.817  
ELEVATION = 7030.82

### BASIS OF BEARINGS

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M. AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624", SAID LINE BEARS N89°14'14"E, A DISTANCE OF 2,722.69 FEET.



### OWNER/DEVELOPER STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

JAMES F. MORLEY \_\_\_\_\_ DATE \_\_\_\_\_

SR LAND, LLC  
20 BOULDER CRESCENT, SUITE 201  
COLORADO SPRINGS, CO 80903

### ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

MIKE A. BRAMLETT, P.E.  
COLORADO P.E. 32314  
FOR AND ON BEHALF OF JR ENGINEERING, INC.



UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR  
SR LAND, LLC  
20 BOULDER CRESCENT  
2ND FLOOR  
COLORADO SPRINGS, CO 80903  
JAMES F. MORLEY  
(719) 419-3024

J.R. ENGINEERING  
A Westman Company



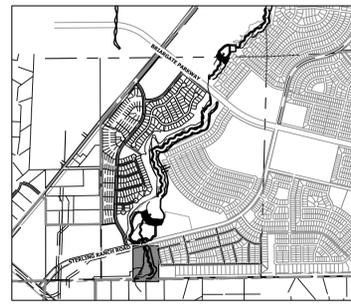
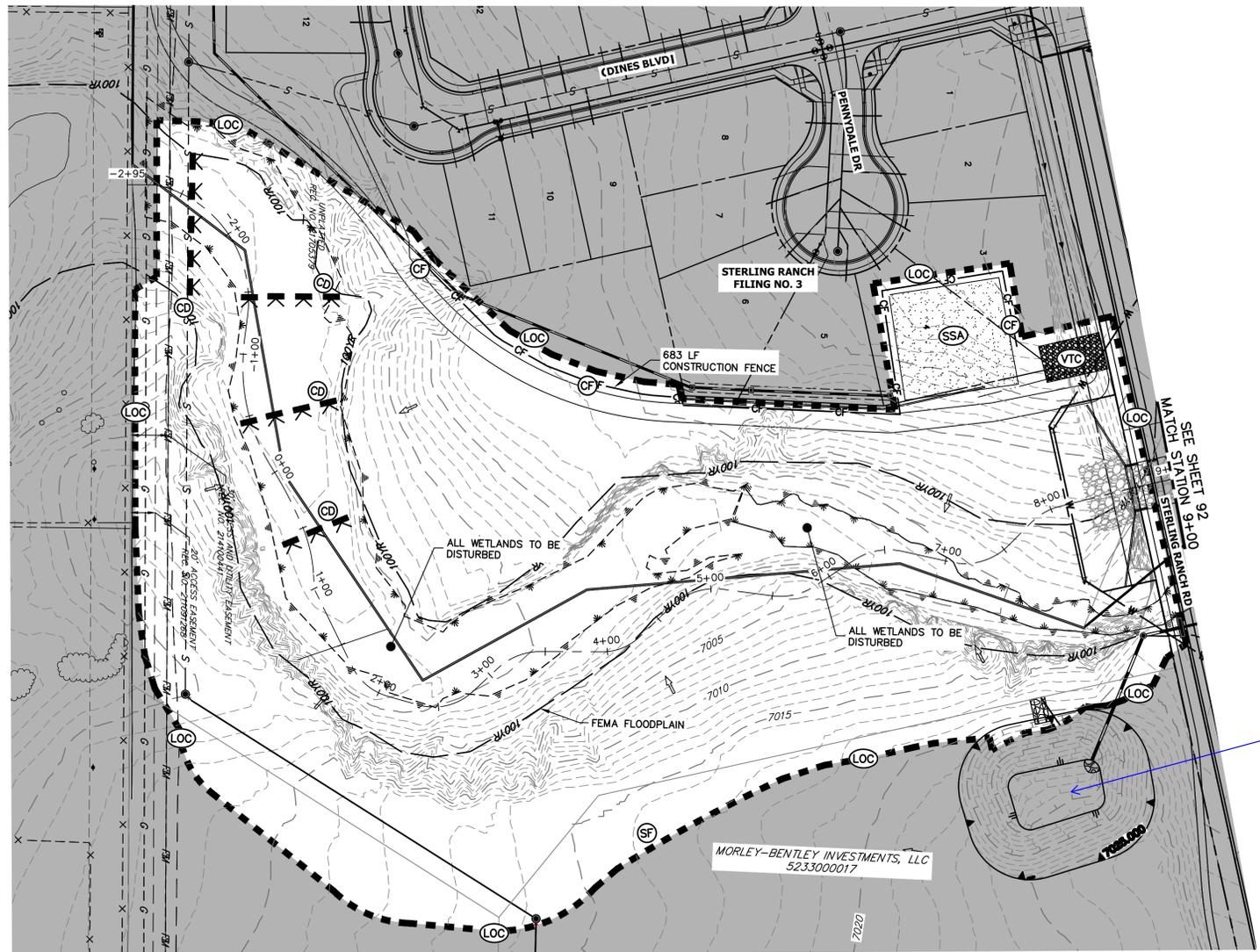
Central 303-740-8888 • Colorado Springs 719-583-2583  
Fort Collins 970-491-9888 • www.jrengineering.com

No.	REVISION	BY	DATE

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=300'	N/A	1/23/23	DJV	WLL	

SAND CREEK RESTORATION  
GEC PLANS  
SHEET 90 OF 111  
JOB NO. 25188.04





KEY MAP  
SCALE: 1" = 2000'

Label (delete?)

**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	DEWATERING
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	TEMPORARY SEDIMENTATION BASIN
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	CHECK DAM
EXISTING EASEMENT	CONSTRUCTION FENCE	WETLANDS TO REMAIN	SURFACE ROUGHENING
SECTION LINE	CONSTRUCTION FENCE	PERMANENT LANDSCAPING	
EXISTING STORM SEWER	SILT FENCE	GEOTEXTILE	
EXISTING CURB & GUTTER	VEHICLE TRACKING CONTROL	COIR MATTING	
PROPOSED RIGHT OF WAY LINE	VEHICLE TRACKING CONTROL		
PROPOSED EASEMENT	STABILIZED STAGING AREA		
PROPOSED STORM SEWER	STABILIZED STAGING AREA		
PROPOSED CURB & GUTTER	CONCRETE WASHOUT AREA		
PROPOSED TOP OF SLOPE	CONCRETE WASHOUT AREA		
PROPOSED TOE OF SLOPE	CONCRETE WASHOUT AREA		
EXISTING DRAINAGE ARROW	STOCK PILE		
PROPOSED DRAINAGE ARROW	TEMP DRAINAGE CHANNEL		

**TOTAL INITIAL PHASE SUMMARY OF APPROXIMATE QUANTITIES**

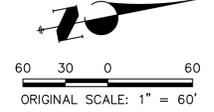
2681	LF	-	SILT FENCE (SF)
18440	LF	-	CONSTRUCTION FENCE (CF)
4	EA	-	CHECK DAMS (CD)
4	LS	-	STABILIZED STAGING AREA (SSA)
4	LS	-	VEHICLE TRACKING CONTROL (VTC)

**BENCHMARK**

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MIKE A. BRAMLETT, P.E.  
COLORADO P.E. 32314  
FOR AND ON BEHALF OF JR ENGINEERING



SAND CREEK RESTORATION	GEC INITIAL	BY	DATE	No.	REVISION
		1/23/23			
		H-SCALE	1" = 60'		
		V-SCALE	N/A		
		DESIGNED BY	DJV		
		DRAWN BY	WLL		
		CHECKED BY			
		SHEET	91	OF	111
		JOB NO.	25188.04		

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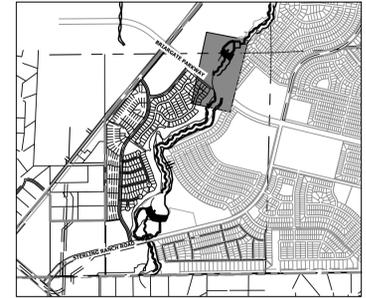
PREPARED FOR  
**SR LAND, LLC**  
20 BOULDER CRESCENT  
2ND FLOOR  
COLORADO SPRINGS, CO 80903  
JAMES F. MORLEY  
(719) 419-3024

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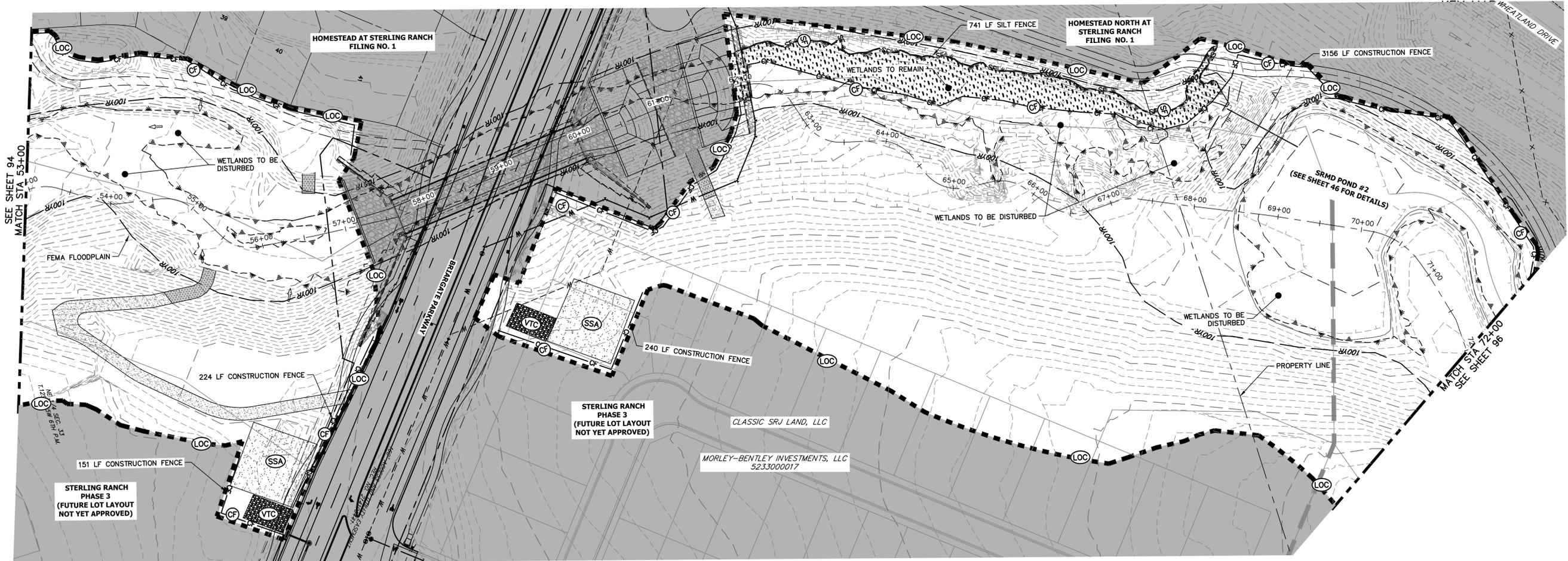




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**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	DEWATERING
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	TEMPORARY SEDIMENTATION BASIN
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	CHECK DAM
EXISTING EASEMENT	CONSTRUCTION FENCE	WETLANDS TO REMAIN	SURFACE ROUGHENING
SECTION LINE	CONSTRUCTION FENCE	PERMANENT LANDSCAPING	
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EXISTING CURB & GUTTER	VEHICLE TRACKING CONTROL	COIR MATTING	
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**TOTAL INITIAL PHASE SUMMARY OF APPROXIMATE QUANTITIES**

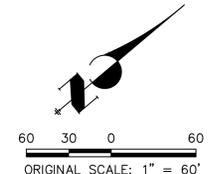
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18440	LF	- CONSTRUCTION FENCE
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4	LS	- STABILIZED STAGING AREA
4	LS	- VEHICLE TRACKING CONTROL

**BENCHMARK**

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**BASIS OF BEARINGS**

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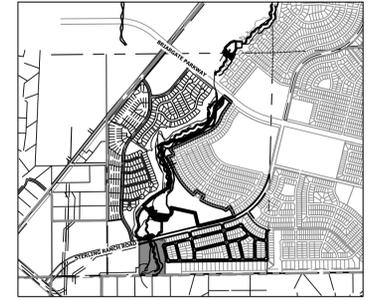
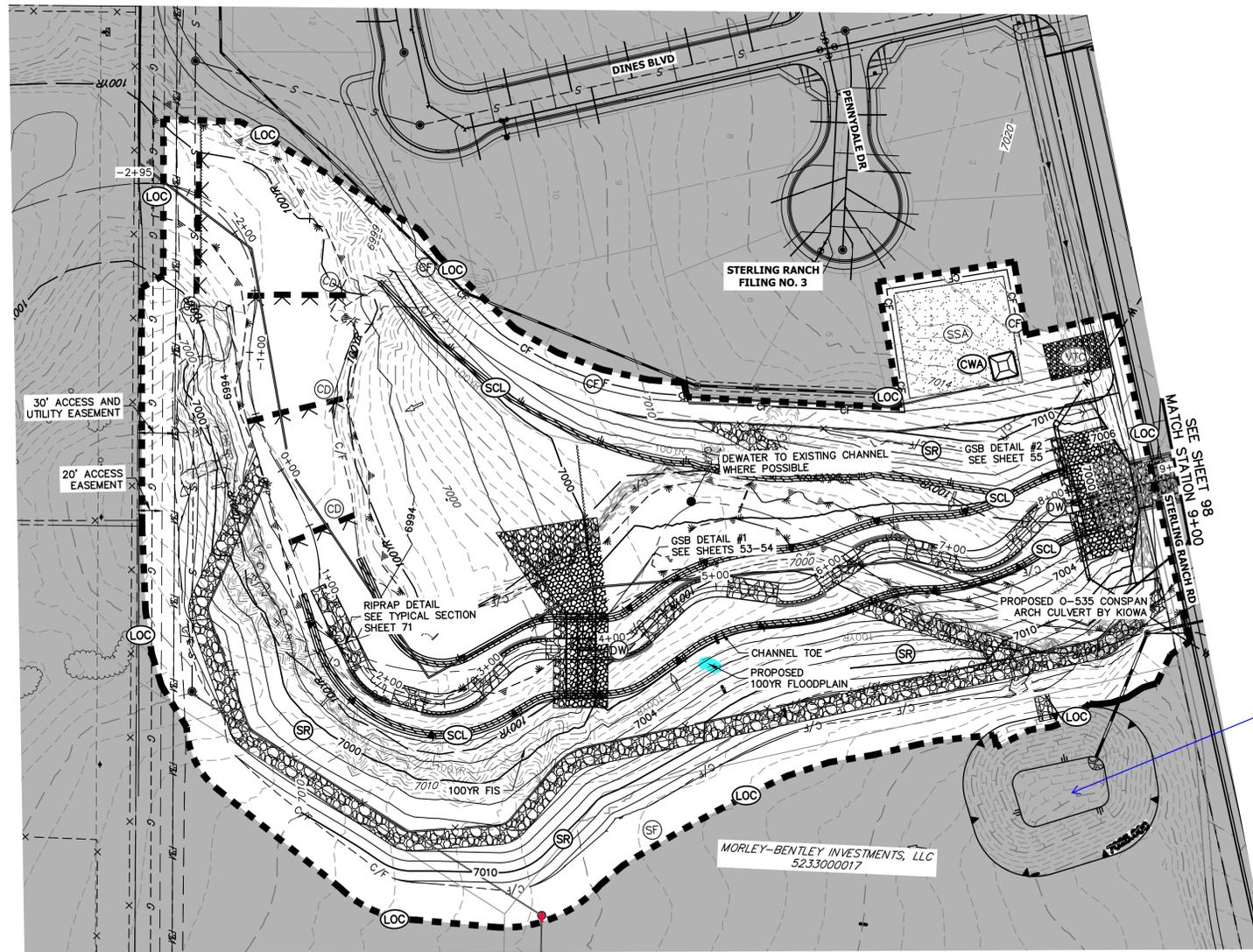


MIKE A. BRAMLETT, P.E.  
 COLORADO P.E. 32314  
 FOR AND ON BEHALF OF JR ENGINEERING, LLC



SAND CREEK RESTORATION	GEC INITIAL	BY	DATE
		NO.	REVISION
H-SCALE	1"=60'	V-SCALE	N/A
DATE	1/23/23	DESIGNED BY	DJV
DRAWN BY	WLL	CHECKED BY	
SHEET	95	OF	111
JOB NO.	25188.04		





KEY MAP  
SCALE: 1"=2000'

**TOTAL INTERIM PHASE SUMMARY OF APPROXIMATE QUANTITIES**

9	EA	- REINFORCED ROCK BERM FOR CULVERT PROTECTION	(RRB)
3	EA	- CONCRETE WASHOUT AREA	(CWA)
1990	LF	- SEDIMENT CONTROL LOGS	
2	EA	- TEMPORARY SEDIMENT BASIN	(SB)

**LEGEND**

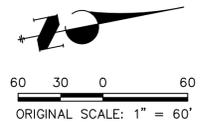
EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	(RRB)	DEWATERING	(DW)
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION (LOC)	SEDIMENT CONTROL LOG	(SCL)	TEMPORARY SEDIMENT BASIN	(SB)
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	(SM)	CHECK DAM	(CD)
EXISTING EASEMENT	CONSTRUCTION FENCE (CF)	WETLANDS TO REMAIN	(LS)	SURFACE ROUGHENING	(SR)
SECTION LINE	VEHICLE TRACKING CONTROL (VTC)	PERMANENT LANDSCAPING	(ECB)		
EXISTING STORM SEWER	STABILIZED STAGING AREA (SSA)	GEOTEXTILE	(ECB)		
EXISTING CURB & GUTTER	CONCRETE WASHOUT AREA (CWA)	COIR MATTING	(ECB)		
PROPOSED RIGHT OF WAY LINE	STOCK PILE (SP)				
PROPOSED EASEMENT	TEMP DRAINAGE CHANNEL				
PROPOSED STORM SEWER					
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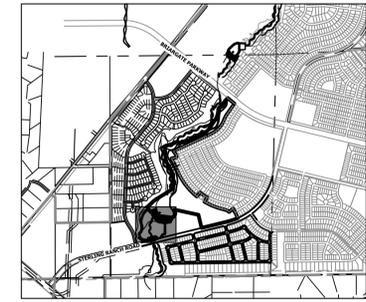
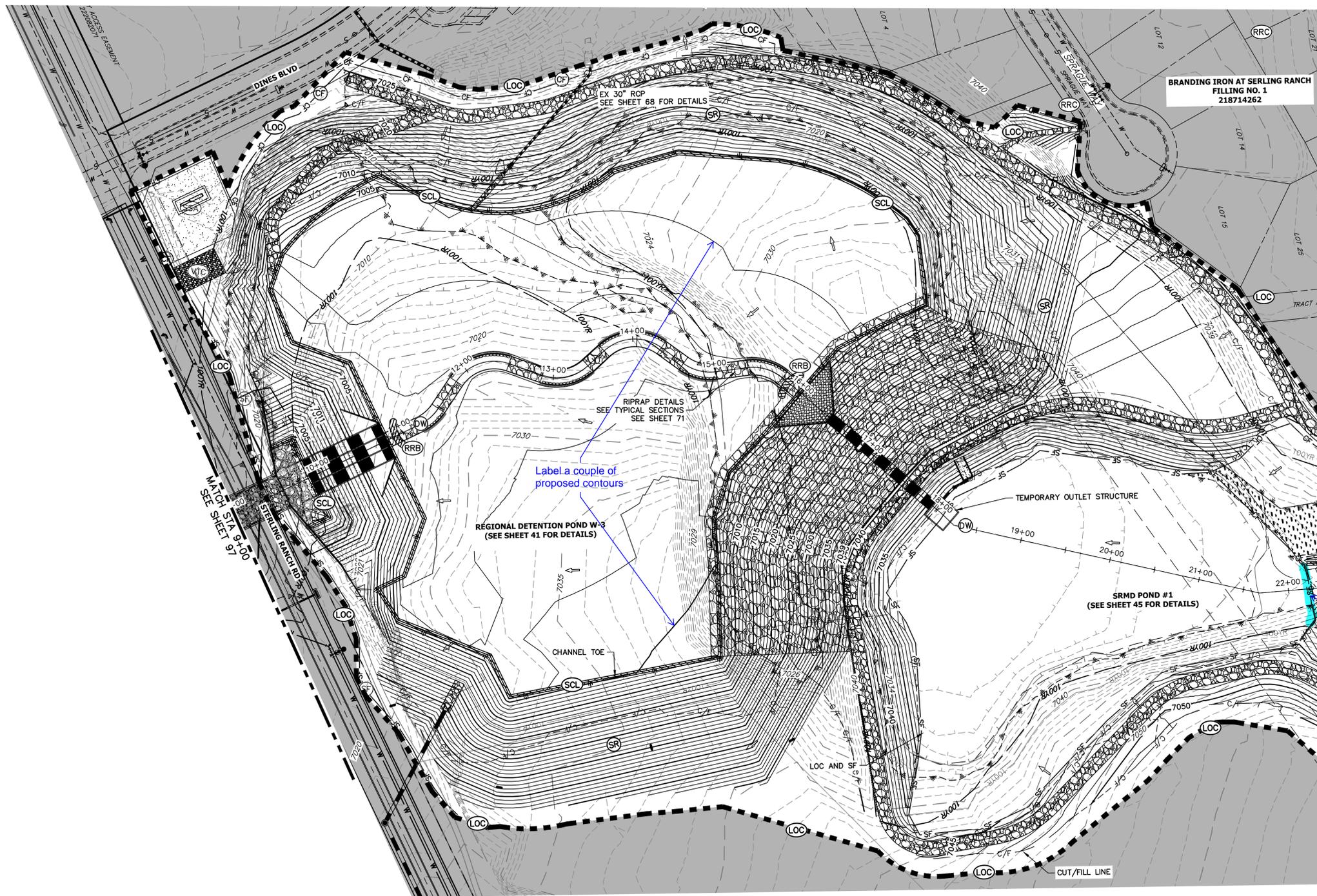
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No.	REVISION	BY	DATE

SAND CREEK RESTORATION	H-SCALE	1"=60'	DESIGNED BY	D/JV
	V-SCALE	N/A		
GEC INTERIM	DATE	1/23/23	CHECKED BY	
	SHEET	97	OF	111
JOB NO.	25188.04			



KEY MAP  
SCALE: 1"=2000'

BRANDING IRON AT SERLING RANCH  
FILLING NO. 1  
218714262

MATCH STA 9+10  
SEE SHEET 91

MATCH STA 22+50  
SEE SHEET 99

**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	DEWATERING
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	TEMPORARY SEDIMENTATION BASIN
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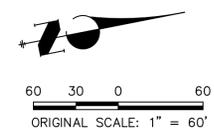
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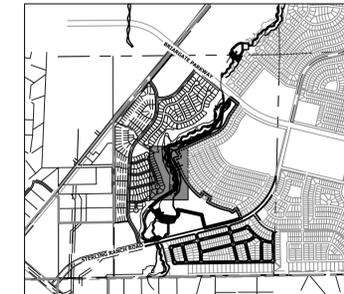
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BY	DATE	
	REVISION	
H-SCALE	1"=60'	
	V-SCALE	N/A
DESIGNED BY	DATE	1/23/23
	DRAWN BY	DJV
CHECKED BY	WALL	
SAND CREEK RESTORATION	GEC INTERIM	
SHEET 98	OF 111	
JOB NO.	25188.04	

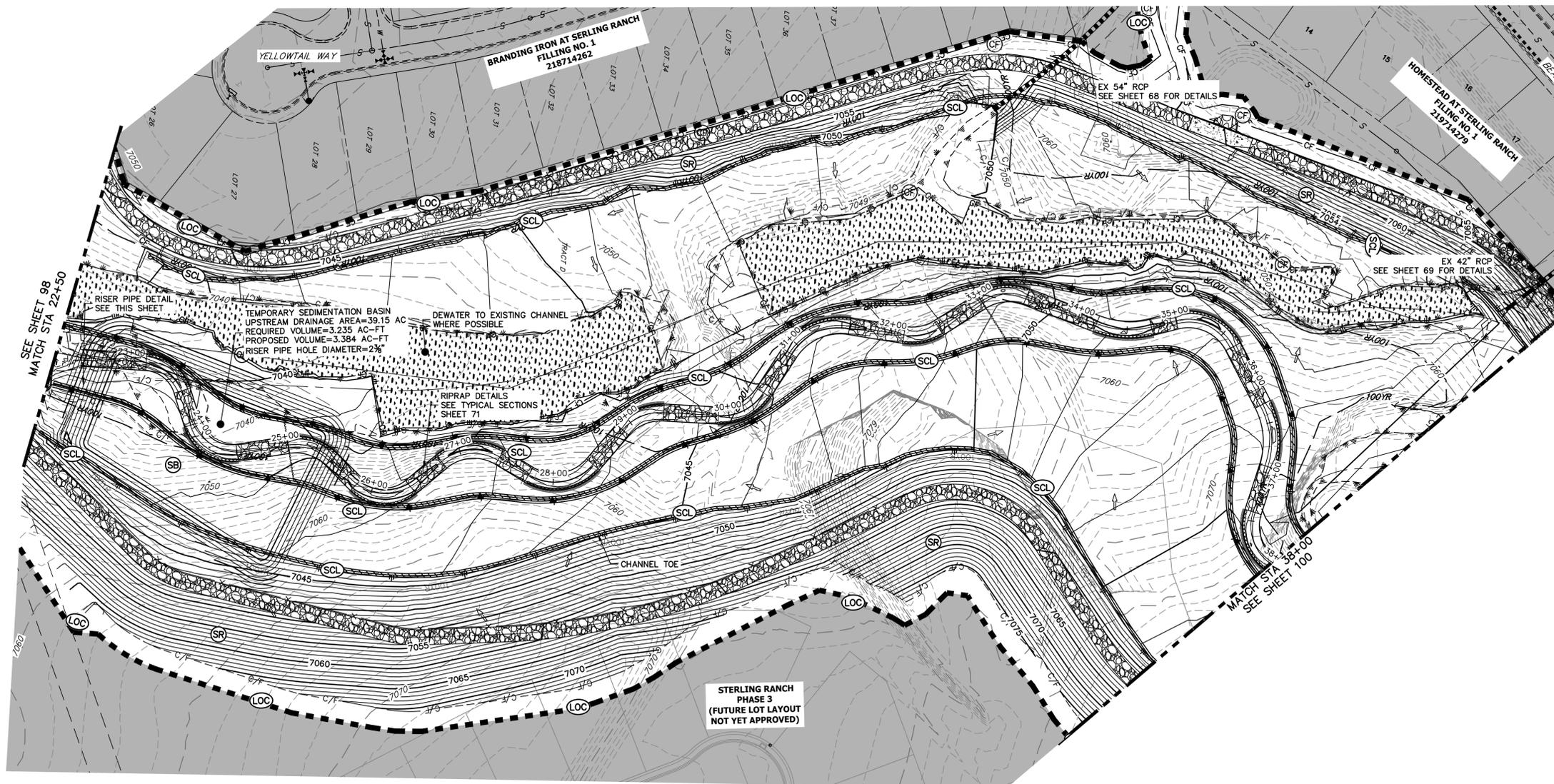
**TEMPORARY SEDIMENT BASIN NOTES:**

TEMPORARY SEDIMENT BASIN TO BE CONSTRUCTED PRIOR TO BEGINNING OF CHANNEL GRADING. CHANNEL IMPROVEMENTS WILL START UPSTREAM OF TSB AND CONTINUE UPSTREAM TO SRMD POND #2. UPON COMPLETION OF CHANNEL IMPROVEMENTS AND SRMD #2 OUTLET STRUCTURE AND AGRIDRAIN, TSB WILL BE REMOVED AND THE REMAINDER OF CHANNEL IMPROVEMENTS TO BE COMPLETED.

Expand viewport



**KEY MAP**  
SCALE: 1"=2000'



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PREPARED FOR  
**SR LAND, LLC**  
20 BOULDER CRESCENT  
2ND FLOOR  
COLORADO SPRINGS, CO 80903  
JAMES F. MORLEY  
(719) 419-3024

**J.R. ENGINEERING**  
A Westman Company  
Central 303-740-9888 • Colorado Springs 719-583-2583  
Fort Collins 970-491-9888 • www.jrengineering.com

NO.	REVISION	BY	DATE

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=60'	N/A	1/23/23	DJV	WLL	

**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	DEWATERING
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	TEMPORARY SEDIMENTATION BASIN
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	CHECK DAM
EXISTING EASEMENT	CONSTRUCTION FENCE	WETLANDS TO REMAIN	SURFACE ROUGHENING
SECTION LINE	SILT FENCE	PERMANENT LANDSCAPING	
EXISTING STORM SEWER	VEHICLE TRACKING CONTROL	GEOTEXTILE	
EXISTING CURB & GUTTER	STABILIZED STAGING AREA	COIR MATTING	
PROPOSED RIGHT OF WAY LINE	CONCRETE WASHOUT AREA		
PROPOSED EASEMENT	STOCK PILE		
PROPOSED STORM SEWER	TEMP DRAINAGE CHANNEL		
PROPOSED CURB & GUTTER			
PROPOSED TOP OF SLOPE			
PROPOSED TOE OF SLOPE			
EXISTING DRAINAGE ARROW			
PROPOSED DRAINAGE ARROW			

**TOTAL INTERIM PHASE SUMMARY OF APPROXIMATE QUANTITIES**

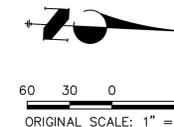
9	EA	-	REINFORCED ROCK BERM FOR CULVERT PROTECTION	(RRB)
3	EA	-	CONCRETE WASHOUT AREA	(CWA)
1990	LF	-	SEDIMENT CONTROL LOGS	(SCL)
2	EA	-	TEMPORARY SEDIMENT BASIN	(SB)

**BENCHMARK**

- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION  
NORTHING = 411416.273  
EASTING = 235167.071  
ELEVATION = 7023.42
- THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION  
NORTHING = 410095.404  
EASTING = 235052.131  
ELEVATION = 7000.40
- THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION  
NORTHING = 411399.962  
EASTING = 233849.817  
ELEVATION = 7030.82

**BASIS OF BEARINGS**

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M. AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624", SAID LINE BEARS N89°14'14"E, A DISTANCE OF 2,722.69 FEET.



**ENGINEER'S STATEMENT**

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MIKE A. BRAMLETT, P.E.  
COLORADO P.E. 32314  
FOR AND ON BEHALF OF JR ENGINEERING

SAND CREEK RESTORATION	GEC INTERIM	SHEET 99 OF 111
		JOB NO. 25188.04

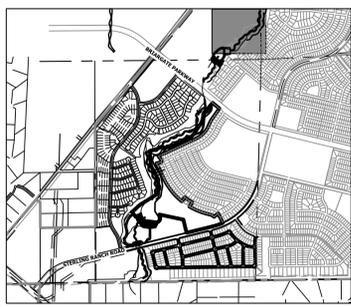




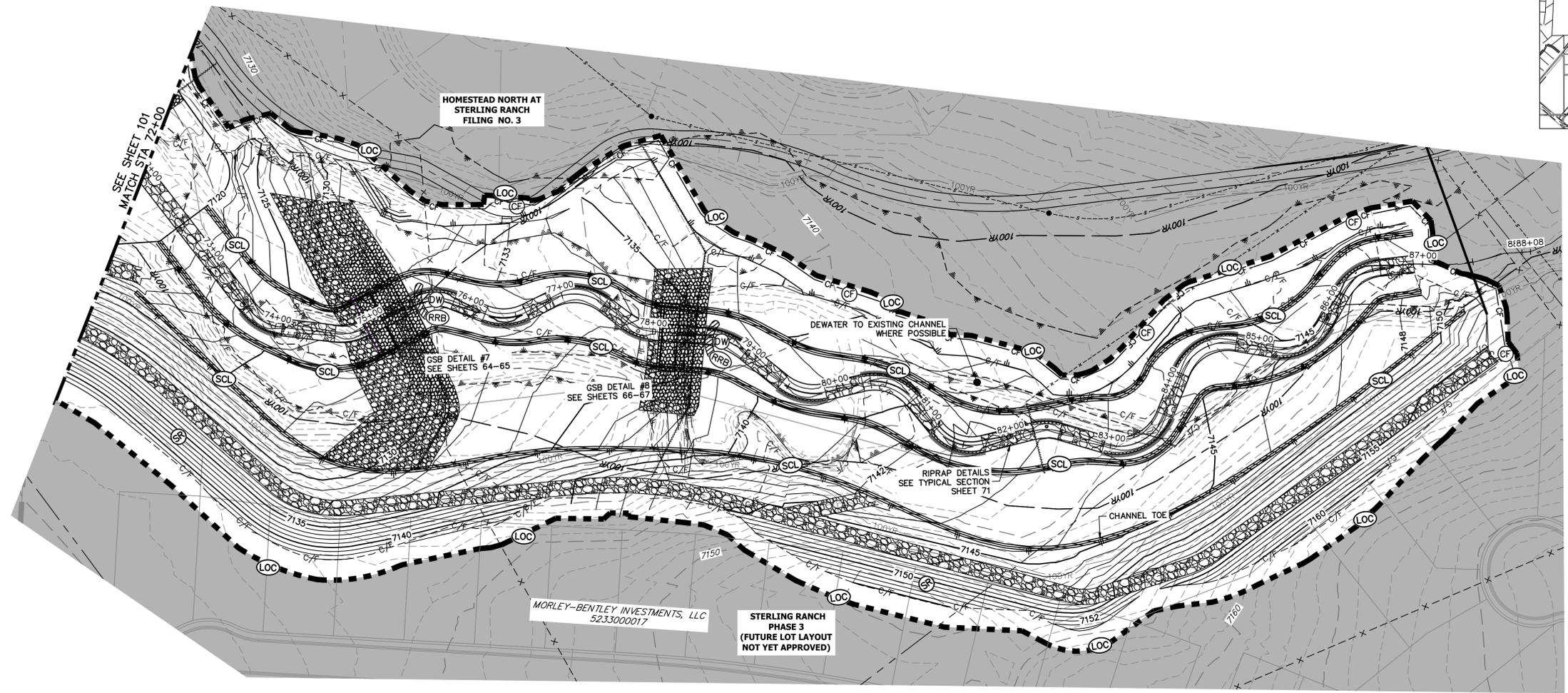
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 Fort Collins 970-491-9888 • www.jrengineering.com



KEY MAP  
 SCALE: 1" = 2000'



**TOTAL INTERIM PHASE SUMMARY OF APPROXIMATE QUANTITIES**

9	EA	-	REINFORCED ROCK BERM FOR CULVERT PROTECTION	(RRB)	
3	EA	-	CONCRETE WASHOUT AREA	(CWA)	
1990	LF	-	SEDIMENT CONTROL LOGS	(SCL)	
2	EA	-	TEMPORARY SEDIMENT BASIN	(SB)	

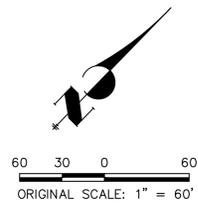
**BENCHMARK**

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 NORTHING = 411416.273  
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 ELEVATION = 7023.42
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 NORTHING = 410095.404  
 EASTING = 235052.131  
 ELEVATION = 7000.40
3. THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION  
 NORTHING = 411399.962  
 EASTING = 233849.817  
 ELEVATION = 7030.82

**BASIS OF BEARINGS**  
 THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M. AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624", SAID LINE BEARS N89°14'14"E, A DISTANCE OF 2,722.69 FEET.

**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	(RRB)	DEWATERING	(DW)
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	(SCL)	TEMPORARY SEDIMENT BASIN	(SB)
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	(SM)	CHECK DAM	(CD)
EXISTING EASEMENT	CONSTRUCTION FENCE	WETLANDS TO REMAIN	(LS)	SURFACE ROUGHENING	(SR)
SECTION LINE	VEHICLE TRACKING CONTROL	PERMANENT LANDSCAPING	(LS)		
EXISTING STORM SEWER	STABILIZED STAGING AREA	GEOTEXTILE	(ECB)		
EXISTING CURB & GUTTER	CONCRETE WASHOUT AREA	COIR MATTING	(ECB)		
PROPOSED RIGHT OF WAY LINE	STOCK PILE				
PROPOSED EASEMENT	TEMP DRAINAGE CHANNEL				
PROPOSED STORM SEWER					
PROPOSED CURB & GUTTER					
PROPOSED TOP OF SLOPE					
PROPOSED TOE OF SLOPE					
EXISTING DRAINAGE ARROW					
PROPOSED DRAINAGE ARROW					



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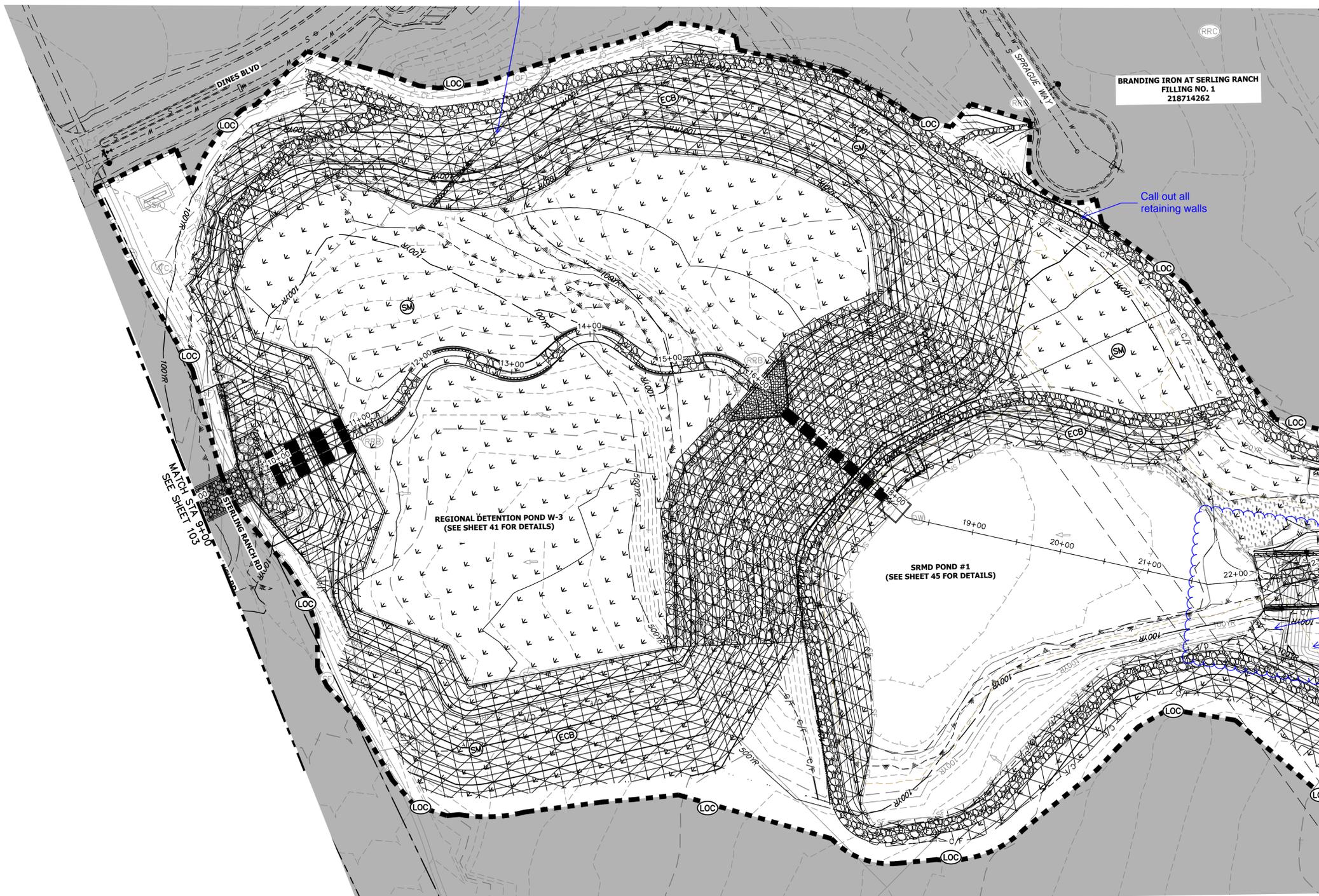


MIKE A. BRAMLETT, P.E.  
 COLORADO P.E. 32314  
 FOR AND ON BEHALF OF JR ENGINEERING



SAND CREEK RESTORATION	GEC INTERIM	BY	DATE				
		No.	REVISION				
H-SCALE	1" = 60'						
V-SCALE	N/A						
DATE	1/23/23						
DESIGNED BY	DJV						
DRAWN BY	WLL						
CHECKED BY							
SHEET 102 OF 111		JOB NO. 25188.04					





KEY MAP  
SCALE: 1"=2000'

BRANDING IRON AT SERLING RANCH  
FILLING NO. 1  
218714262

Call out all retaining walls

Please provide grading detail in this area, verify modeling

Smooth out contours?

Delete or identify brown line

**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	RRB	DEWATERING	DW
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	SCL	TEMPORARY SEDIMENTATION BASIN	SB
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	SM	CHECK DAM	CD
EXISTING EASEMENT	CONSTRUCTION FENCE	WETLANDS TO REMAIN	LS	SURFACE ROUGHENING	SR
SECTION LINE	SILT FENCE	PERMANENT LANDSCAPING	LS		
EXISTING STORM SEWER	VEHICLE TRACKING CONTROL	GEOTEXTILE	ECB		
EXISTING CURB & GUTTER	STABILIZED STAGING AREA	COIR MATTING	ECB		
PROPOSED RIGHT OF WAY LINE	CONCRETE WASHOUT AREA				
PROPOSED EASEMENT	STOCK PILE				
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PROPOSED CURB & GUTTER					
PROPOSED TOP OF SLOPE					
PROPOSED TOE OF SLOPE					
EXISTING DRAINAGE ARROW					
PROPOSED DRAINAGE ARROW					

**TOTAL FINAL PHASE SUMMARY OF APPROXIMATE QUANTITIES**

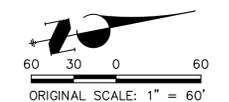
48.65	AC	- SEEDING & MULCHING (UPLAND)
2.55	AC	- SEEDING & MULCHING (WETLAND)
1.25	AC	- GEOTEXTILE
31.54	AC	- COIR MATTING

**BENCHMARK**

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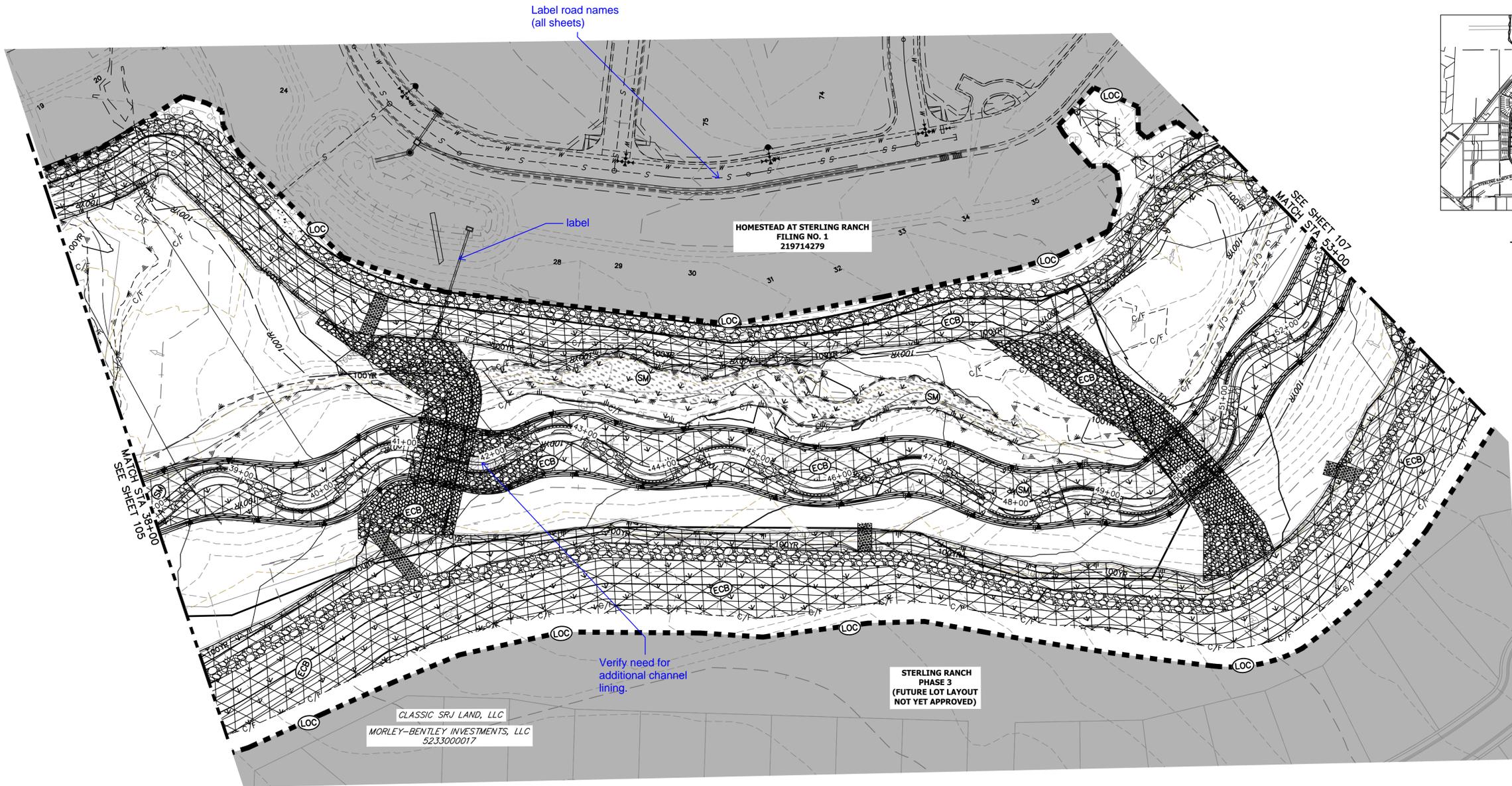


MIKE A. BRAMLETT, P.E.  
COLORADO P.E. 32314  
FOR AND ON BEHALF OF JR ENGINEERING



PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024	
	UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.	
BY	DATE	
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H-SCALE	1"=60'	
	V-SCALE	N/A
DATE	1/23/23	
DESIGNED BY	DJV	
DRAWN BY	WLL	
CHECKED BY		
SAND CREEK RESTORATION	GEC FINAL	
	SHEET 104	OF 111
JOB NO.	25188.04	





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BY	DATE	No.	REVISION

**SAND CREEK RESTORATION**

**GEC FINAL**

SHEET 106 OF 111

JOB NO. 25188.04

**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	DEWATERING
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	TEMPORARY SEDIMENTATION BASIN
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	CHECK DAM
EXISTING EASEMENT	CONSTRUCTION FENCE	WETLANDS TO REMAIN	SURFACE ROUGHENING
SECTION LINE	SILT FENCE	PERMANENT LANDSCAPING	GEOTEXTILE
EXISTING STORM SEWER	VEHICLE TRACKING CONTROL	COIR MATTING	
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PROPOSED RIGHT OF WAY LINE	CONCRETE WASHOUT AREA		
PROPOSED EASEMENT	STOCK PILE		
PROPOSED STORM SEWER	TEMP DRAINAGE CHANNEL		
PROPOSED CURB & GUTTER			
PROPOSED TOP OF SLOPE			
PROPOSED TOE OF SLOPE			
EXISTING DRAINAGE ARROW			
PROPOSED DRAINAGE ARROW			

**TOTAL FINAL PHASE SUMMARY OF APPROXIMATE QUANTITIES**

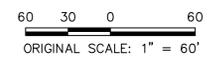
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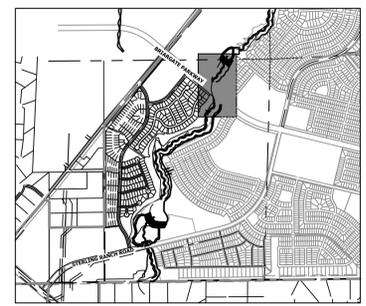
MIKE A. BRAMLETT, P.E.  
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X:\25188\04\25188\04\Drawings\Sheet\Drawings\GEC\25188\04\_GEC\_Final.dwg, 09/06/2023 2:02:19 PM, ViewportID

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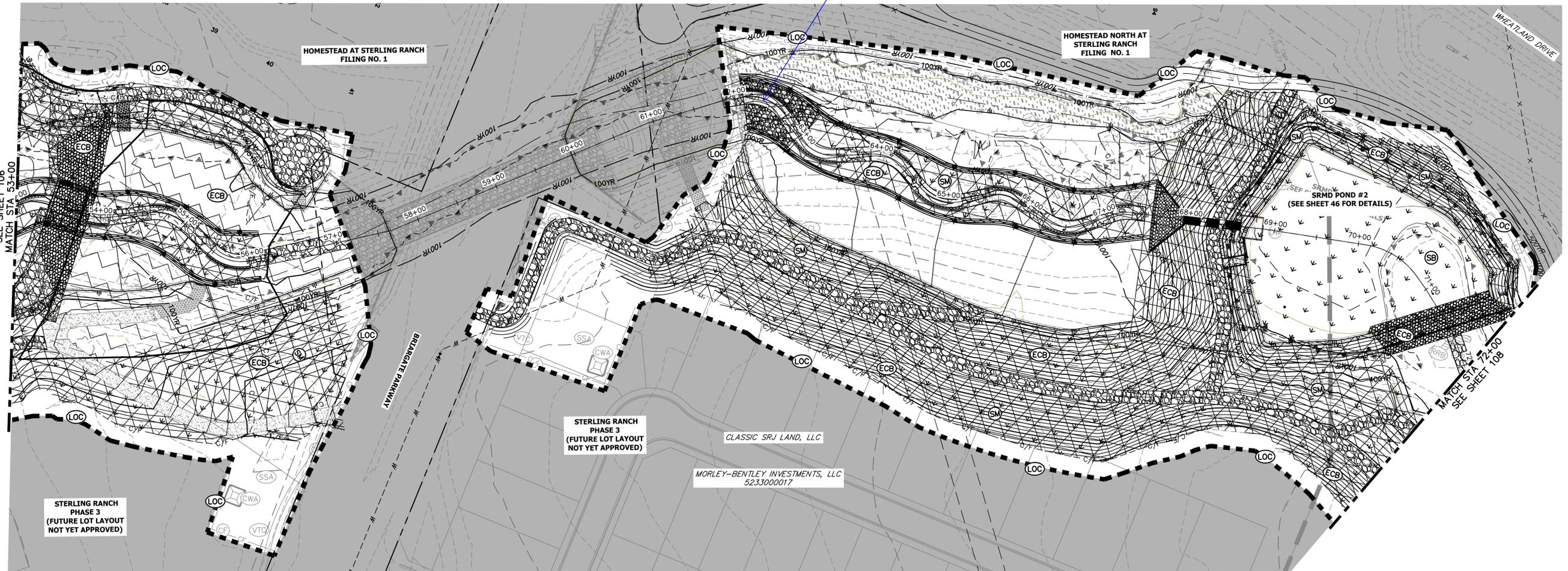
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**KEY MAP**  
 SCALE: 1" = 2000'

Verify need for additional channel lining.

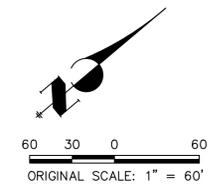


**LEGEND**

EXISTING CONTOUR	PROPOSED CONTOUR	REINFORCED ROCK BERM FOR CULVERT PROTECTION	DEWATERING
EXISTING PROPERTY LINE	LIMITS OF CONSTRUCTION	SEDIMENT CONTROL LOG	TEMPORARY SEDIMENTATION BASIN
EXISTING RIGHT OF WAY LINE	DRAINAGE SWALE	PERMANENT SEEDING AND MULCHING - NATIVE REVEGETATION SEED MIX	CHECK DAM
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PROPOSED DRAINAGE ARROW			

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**ENGINEER'S STATEMENT**

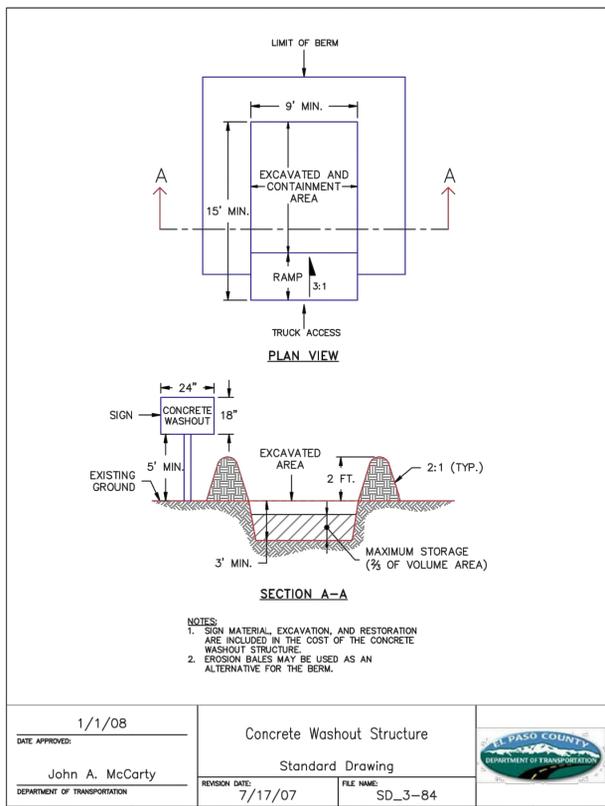
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MIKE A. BRAMLETT, P.E.  
 COLORADO P.E. 32314  
 FOR AND ON BEHALF OF JR ENGINEERING

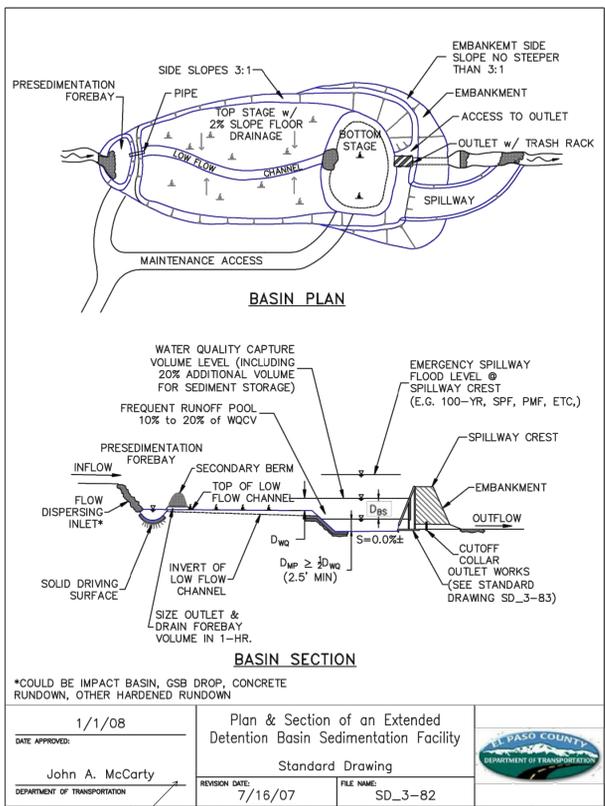
811 Know what's below. Call before you dig.

SAND CREEK RESTORATION	GEC FINAL	DESIGNED BY	DJV
		DRAWN BY	WLL
SHEET 107 OF 111		DATE	1/23/23
JOB NO. 25188.04		BY	
		DATE	
		REVISION	
		NO.	
		DATE	
		BY	

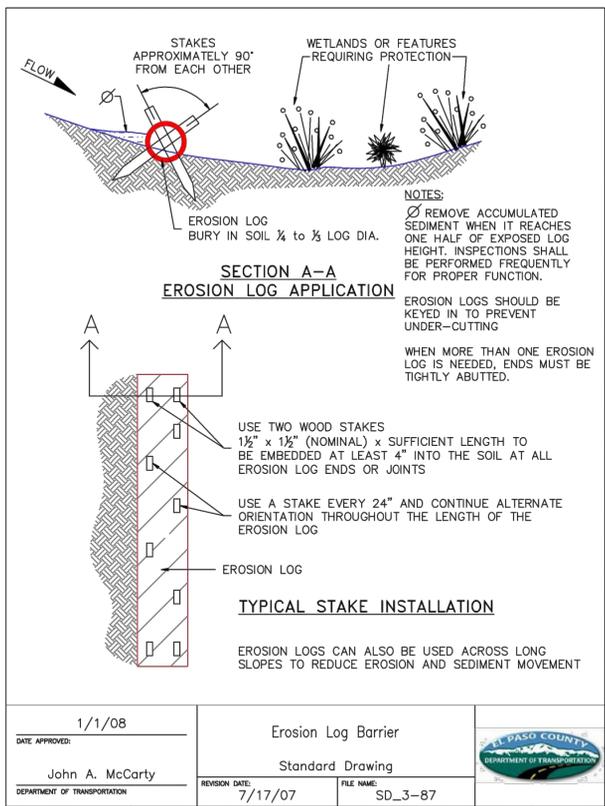




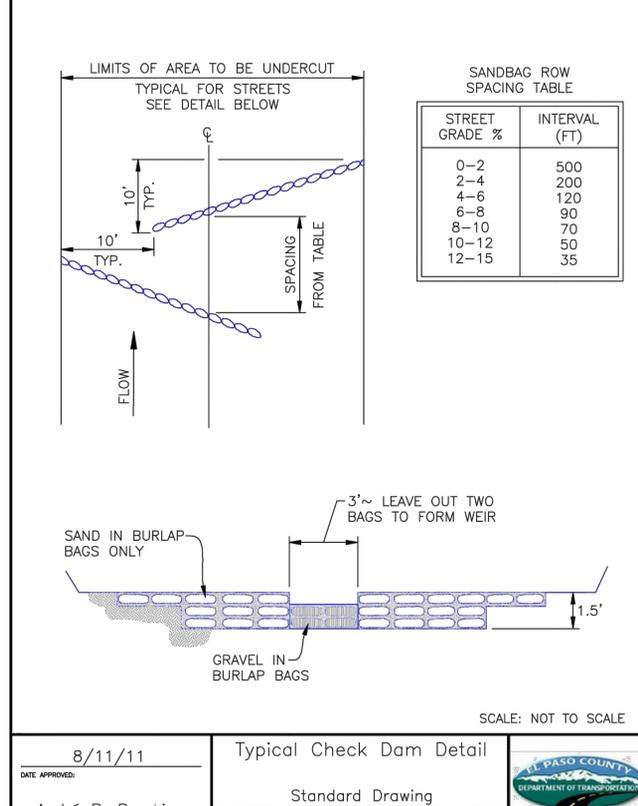
DATE APPROVED: 1/1/08	Concrete Washout Structure	
John A. McCarty	Standard Drawing	
REVISION DATE: 7/17/07	FILE NAME: SD_3-84	



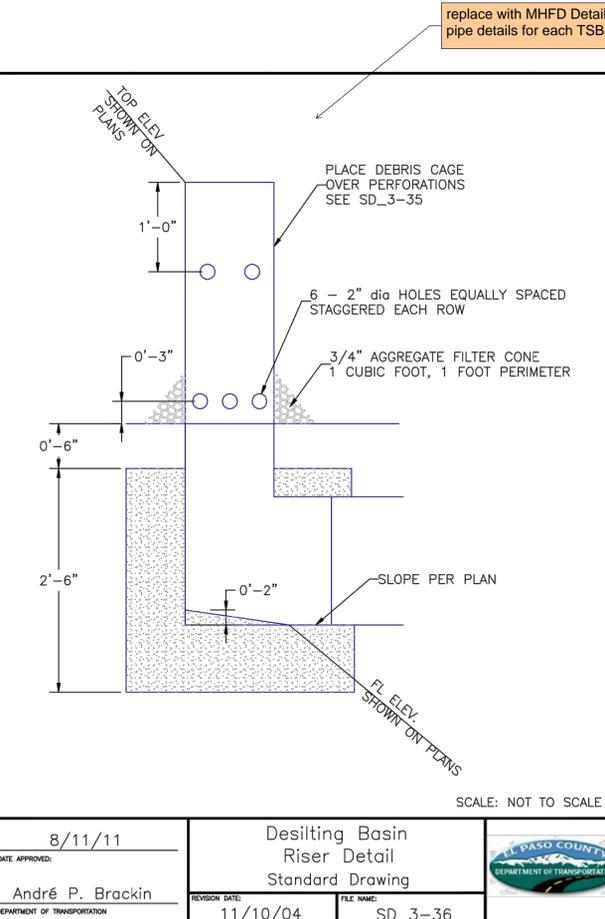
DATE APPROVED: 1/1/08	Plan & Section of an Extended Detention Basin Sedimentation Facility	
John A. McCarty	Standard Drawing	
REVISION DATE: 7/16/07	FILE NAME: SD_3-82	



DATE APPROVED: 1/1/08	Erosion Log Barrier	
John A. McCarty	Standard Drawing	
REVISION DATE: 7/17/07	FILE NAME: SD_3-87	

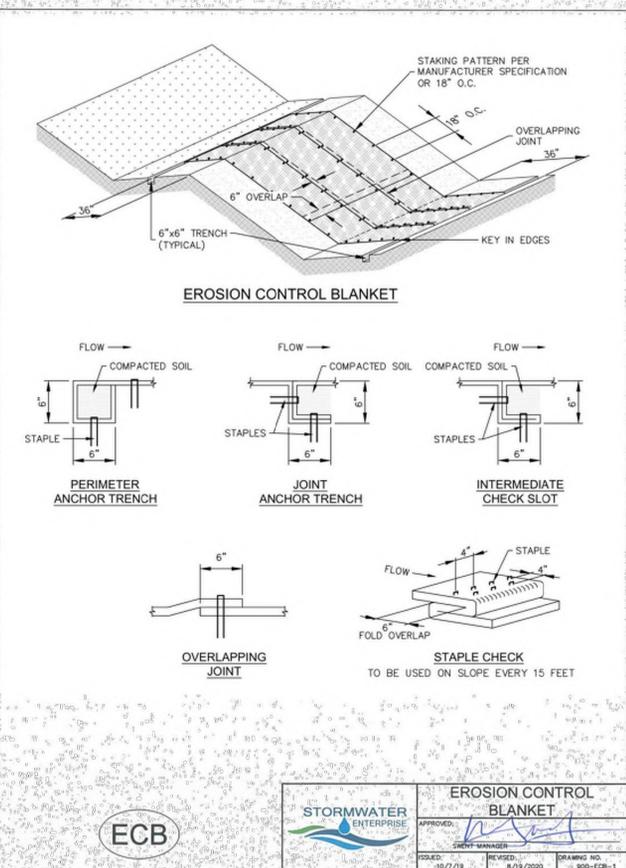


DATE APPROVED: 8/11/11	Typical Check Dam Detail	
André P. Brackin	Standard Drawing	
REVISION DATE: 11/10/04	FILE NAME: SD_3-62	



DATE APPROVED: 8/11/11	Desilting Basin Riser Detail	
André P. Brackin	Standard Drawing	
REVISION DATE: 11/10/04	FILE NAME: SD_3-36	

replace with MHFD Details and circle riser pipe details for each TSB



DATE APPROVED: 10/7/19	EROSION CONTROL BLANKET	
APPROVED: [Signature]	DRAWING NO.: 19-008-1	
ISSUED: 10/7/19	REVISED: 8/19/2020	

**INSTALLATION NOTES**

- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
- IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO EROSION CONTROL BLANKET INSTALLATION AND THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
- INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15 DOWN SLOPES IN DRAINAGEWAYS. INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER FOR EROSION CONTROL BLANKETS ON SLOPES. MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
- STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITH STREAMS AND DRAINAGE CHANNELS.
- COMPACT ALL TRENCHES.

**MAINTENANCE NOTES**

- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRM MUST BE REMOVED AT THE DISCRETION OF THE GEC INSPECTOR.
- ANY EROSION CONTROL BLANKET PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS, SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING
STRAW	—	100%	—	DOUBLE / NATURAL
STRAW-COCONUT	50% MIN.	70% MAX.	—	DOUBLE / NATURAL
COCONUT	100%	—	—	DOUBLE / NATURAL
EXCELSIOR	—	—	100%	DOUBLE / NATURAL

**STAPLE CHECK TO BE USED ON SLOPE EVERY 15 FEET**

DATE APPROVED: 10/7/19	EROSION CONTROL BLANKET	
APPROVED: [Signature]	DRAWING NO.: 19-008-2	
ISSUED: 10/7/19	REVISED: 8/19/2020	

Provide channel check dam detail

Know what's below. Call before you dig.

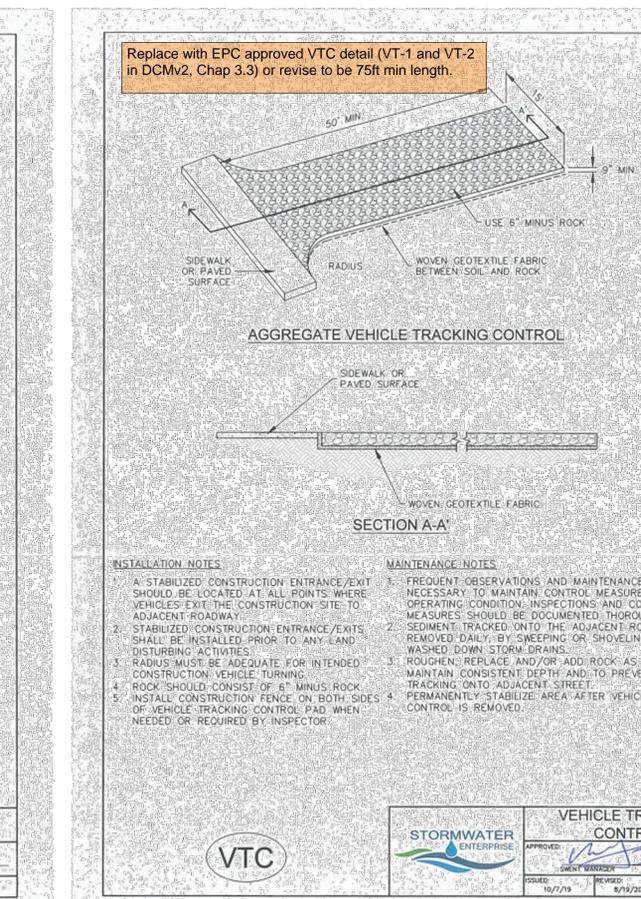
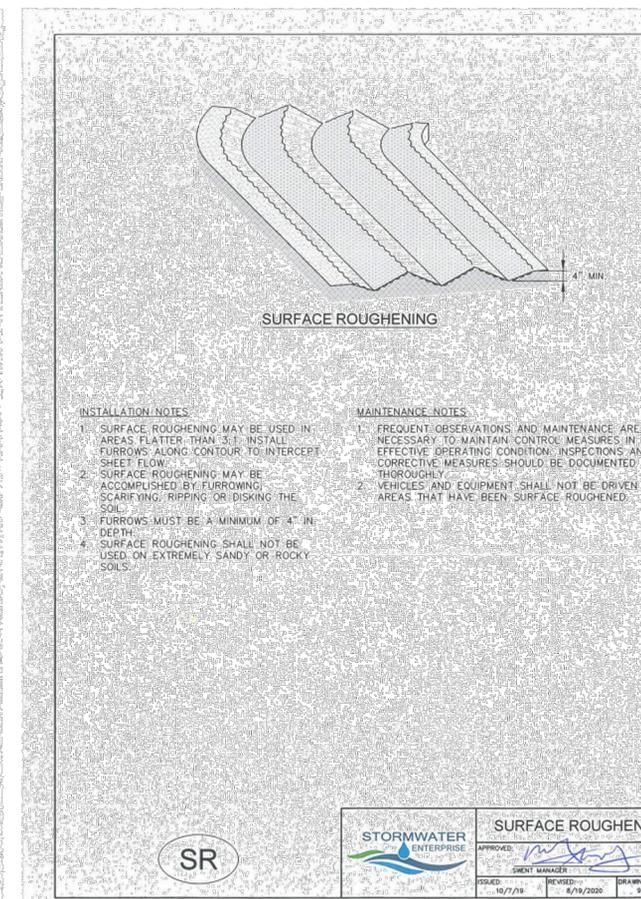
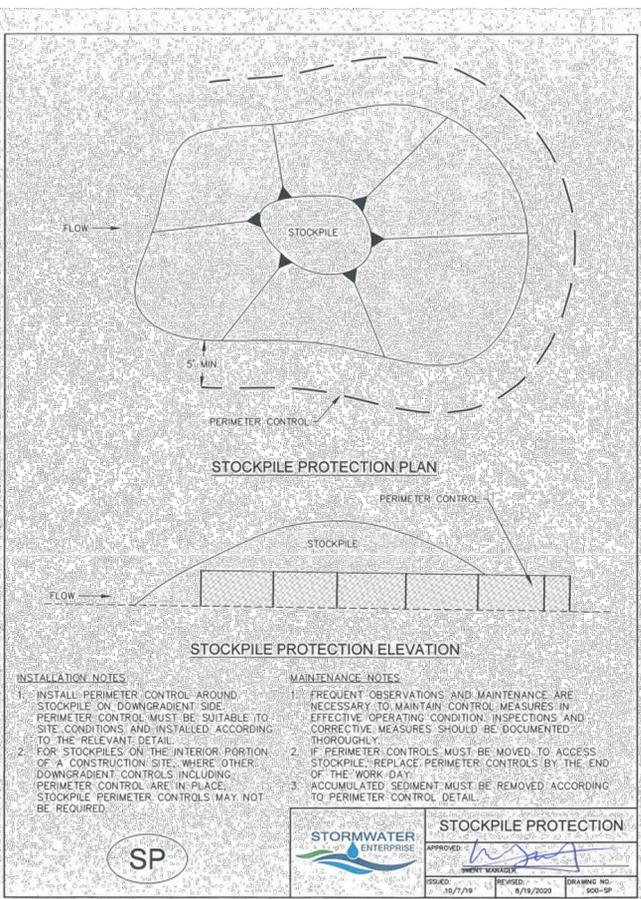
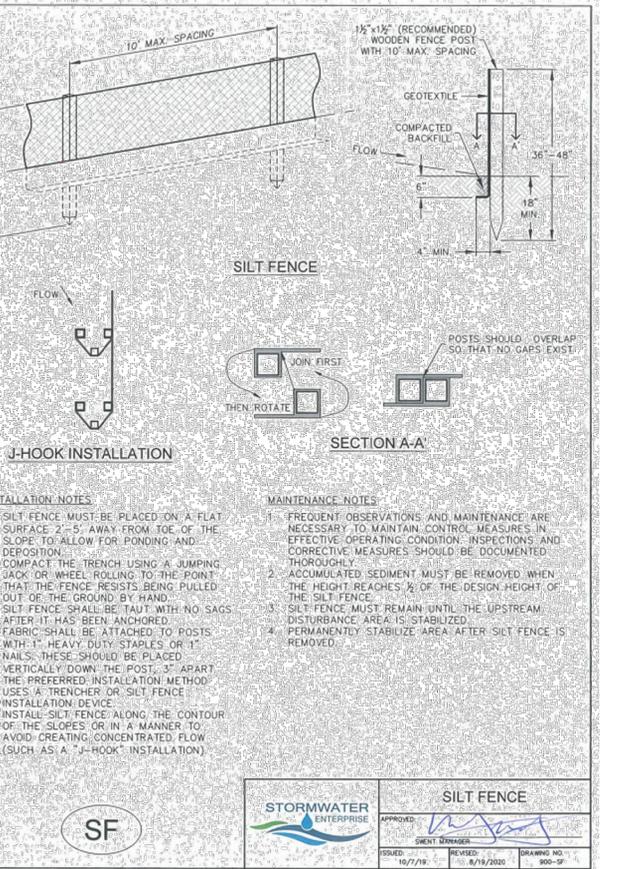
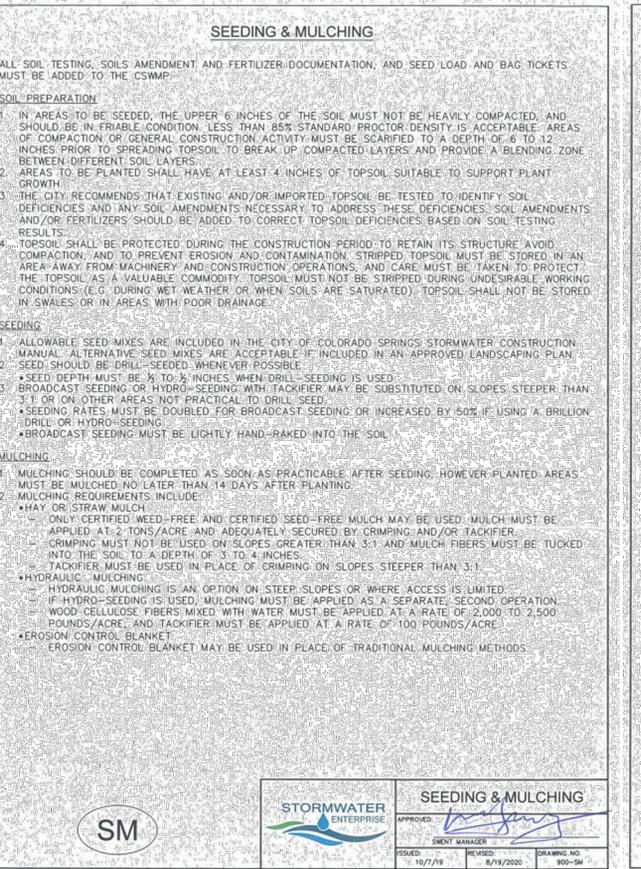
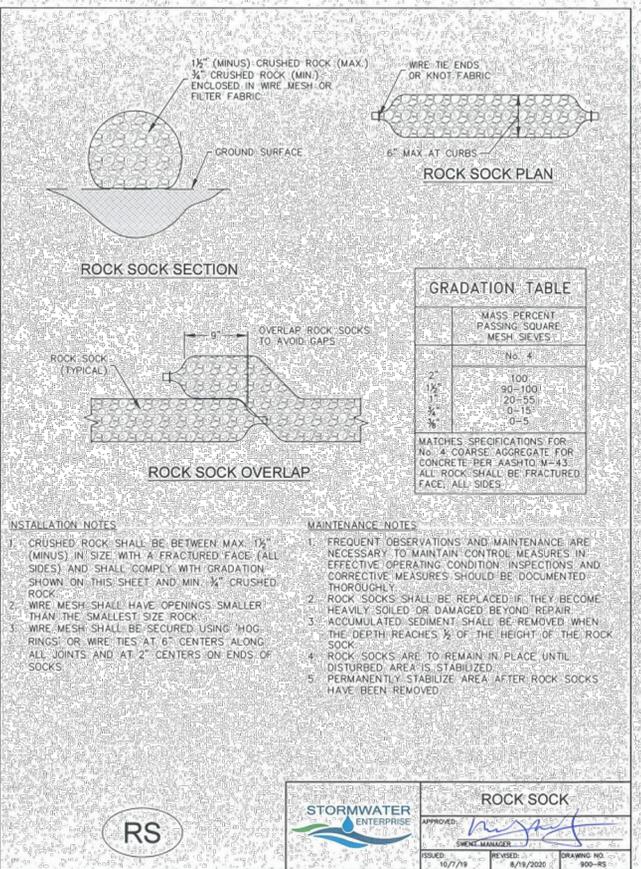
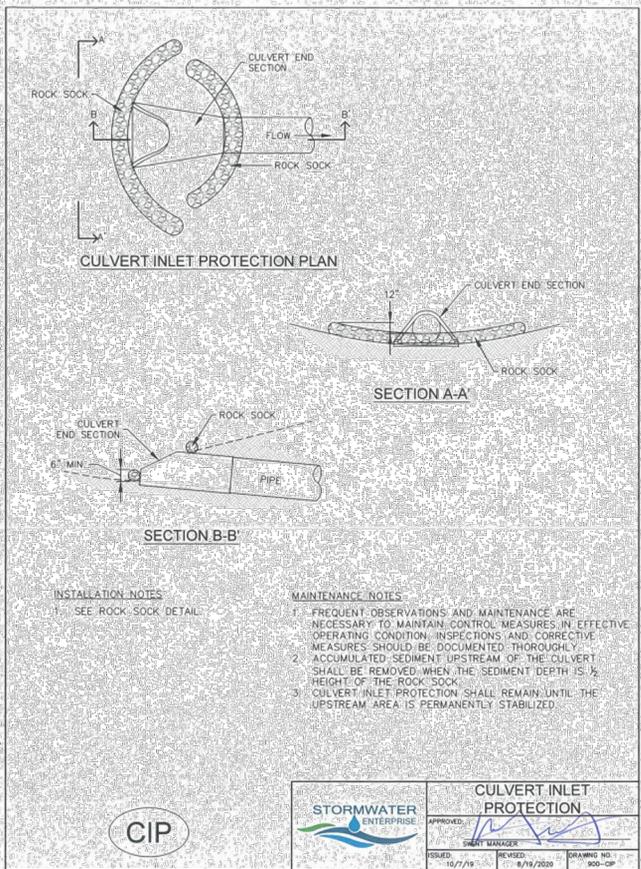
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MIKE A. BRAMLETT, P.E.  
COLORADO P.E. 32314  
FOR AND ON BEHALF OF JR ENGINEERING

COLORADO REGISTERED PROFESSIONAL ENGINEER  
32314  
DATE

PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024	
	UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, JR ENGINEERING APPROVES THEIR USE AS DESIGNATED BY WRITTEN AUTHORIZATION.	
BY	DATE	
No.	REVISION	
H-SCALE	N/A	
V-SCALE	N/A	
DATE	1/23/23	
DESIGNED BY	SCH	
DRAWN BY	SCH	
CHECKED BY		
SAND CREEK RESTORATION	GEC DETAILS	
SHEET 109	OF 111	
JOB NO.	25188.04	



**811**

Know what's below. Call before you dig.

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**STORMWATER ENTERPRISE**

**VEHICLE TRACKING CONTROL**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-VTC

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR  
**SR LAND, LLC**  
 20 BOULDER CRESCENT  
 2ND FLOOR  
 COLORADO SPRINGS, CO 80903  
 JAMES F. MORLEY  
 (719) 419-3024

**J.R. ENGINEERING**  
 A Westman Company  
 Central 303-740-8888 • Colorado Springs 719-583-2583  
 Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE	NO.	REVISION

H-SCALE: N/A  
 V-SCALE: N/A  
 DATE: 1/23/23  
 DESIGNED BY: SCH  
 DRAWN BY: SCH  
 CHECKED BY:

**SAND CREEK RESTORATION**

**GEC DETAILS**

SHEET 110 OF 111

JOB NO. 25188.04

32314

COLORADO REGISTERED PROFESSIONAL ENGINEER

MIKE A. BRAMLETT, P.E.  
 COLORADO P.E. 32314  
 FOR AND ON BEHALF OF JR ENGINEERING

