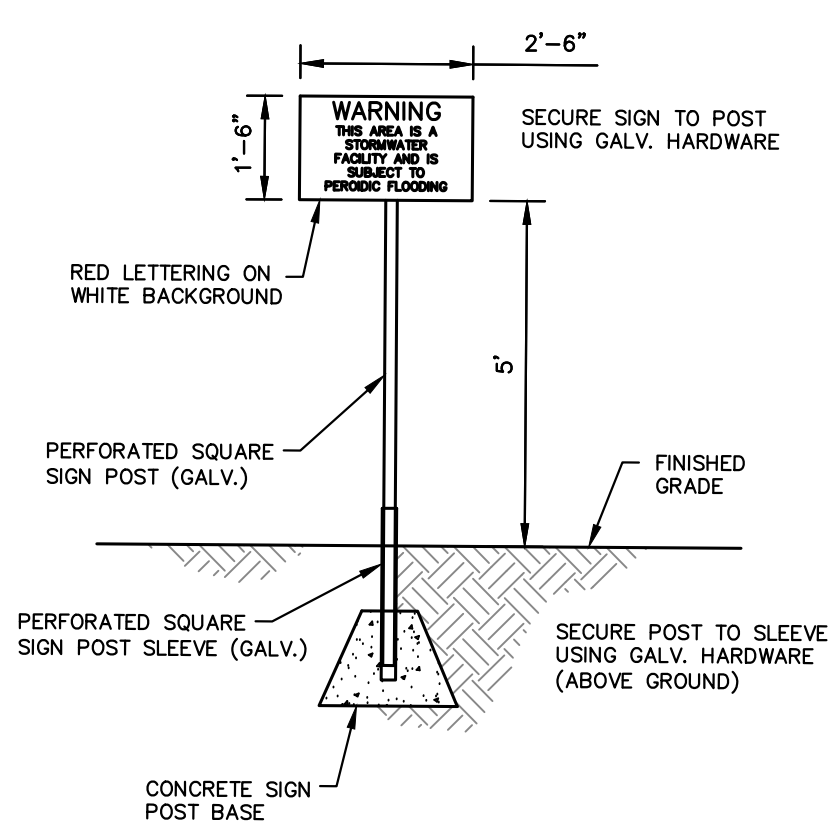
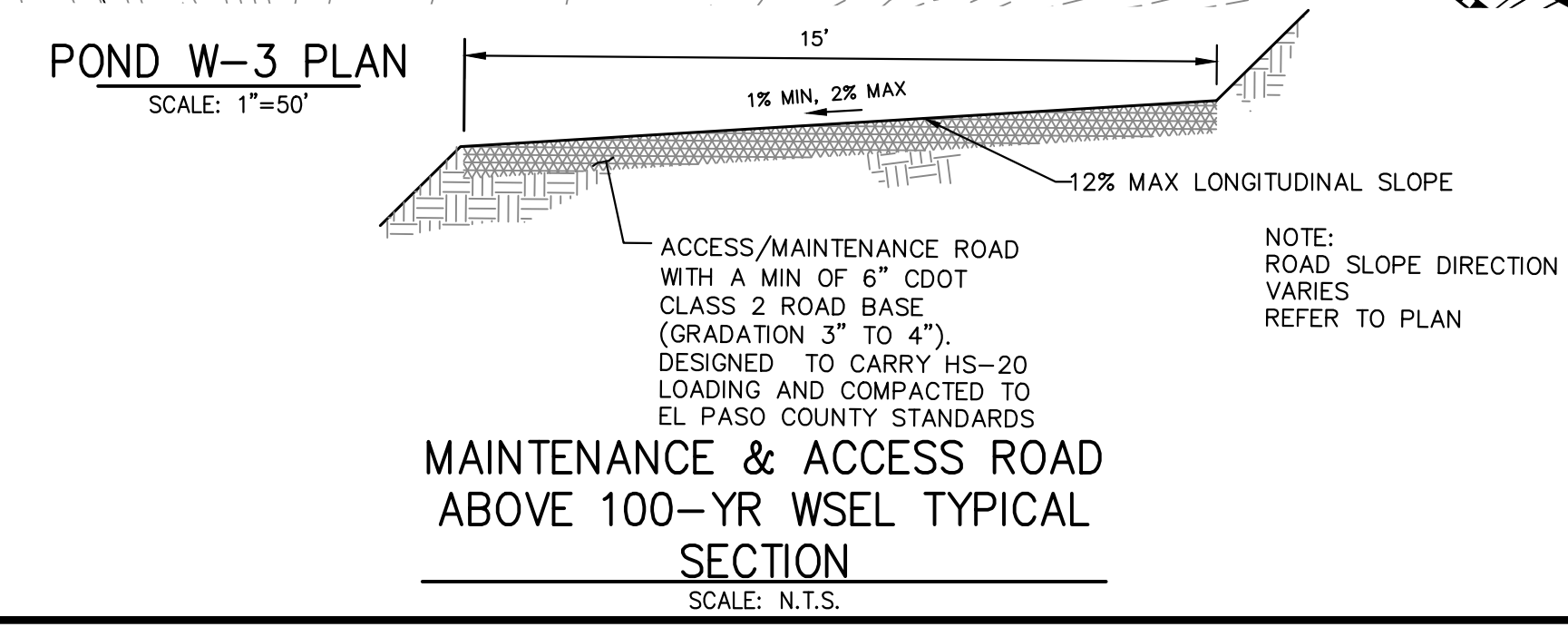


KEY MAP
SCALE: 1"=2000'

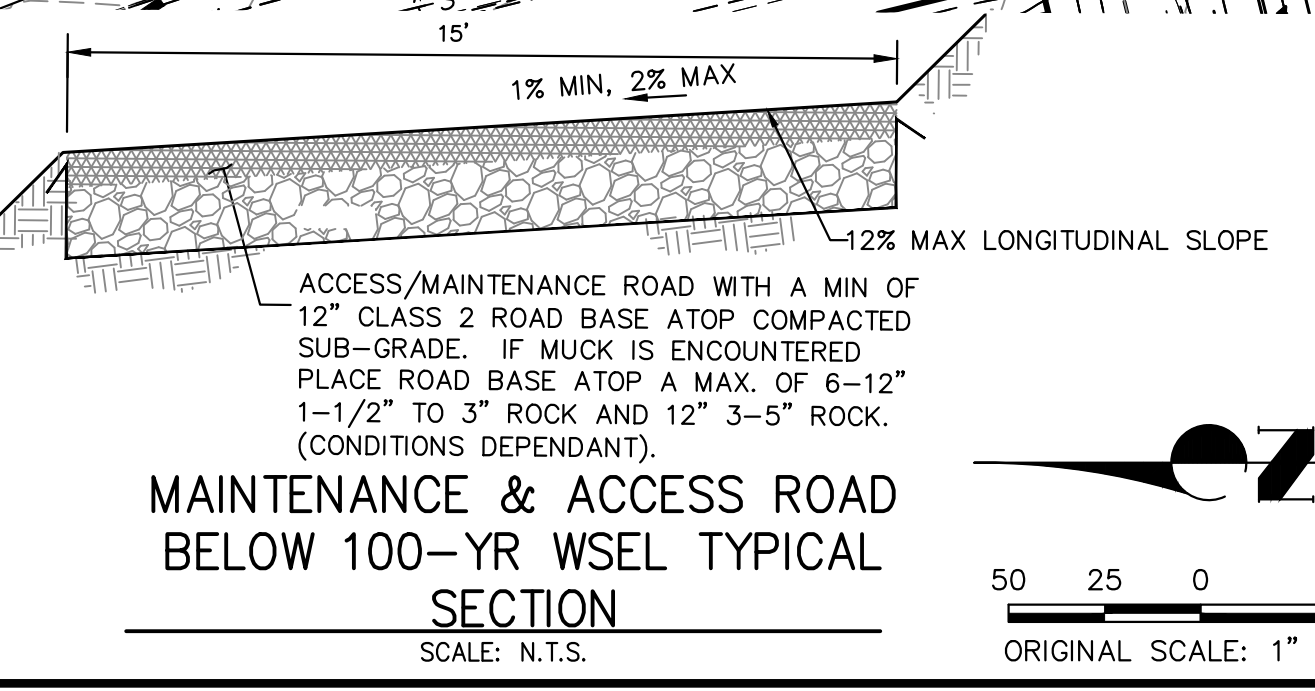
POND W-3	
DRAINAGE AREA (AC)	2729.9
AVERAGE % IMP.	17%
Q ₁₀ (CFS)	578.95
Q ₁₀₀ (CFS)	2160.40
Q _{OUT} (CFS)	470.55
WSEL (FT)	7004.72
DEPTH (FT)	3.55
VOLUME (AC-FT)	6.75
SURFACE AREA (AC)	5.46



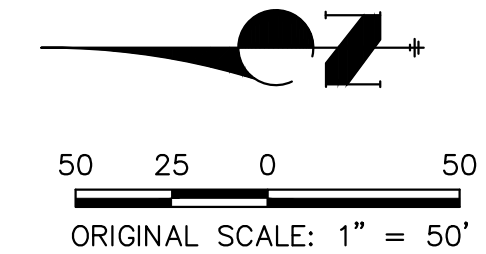
POND WARNING SIGN
SCALE: N.T.S.



MAINTENANCE & ACCESS ROAD ABOVE 100-YR WSEL TYPICAL
SCALE: N.T.S.



MAINTENANCE & ACCESS ROAD BELOW 100-YR WSEL TYPICAL
SCALE: N.T.S.



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

32314
DATE 4/18/23

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, JR ENGINEERING APPROVES THEIR USE AS DESIGNATED BY WRITTEN AUTHORIZATION.

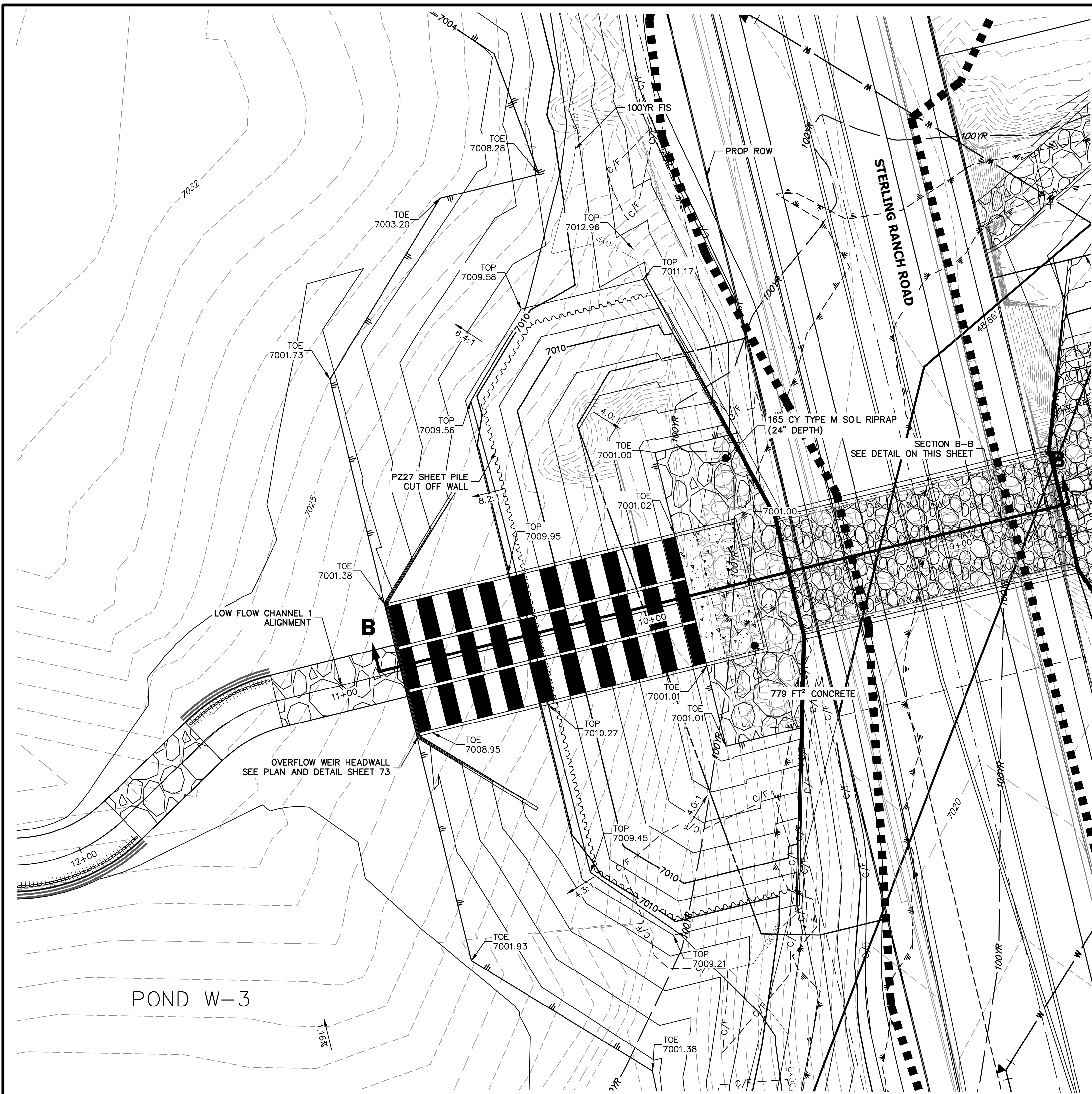
J.R. ENGINEERING
A Westman Company
Central 303-740-8888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE	REVISION

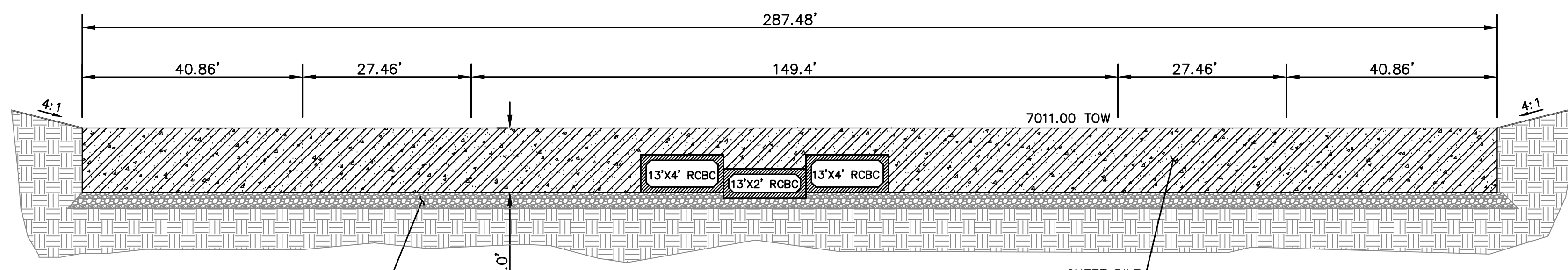
H-SCALE 1"=50'
V-SCALE N/A
DATE 4/18/23
DESIGNED BY DV
DRAWN BY NEO
CHECKED BY

SAND CREEK RESTORATION
POND PLANS

SHEET 41 OF 121
JOB NO. 25188.04

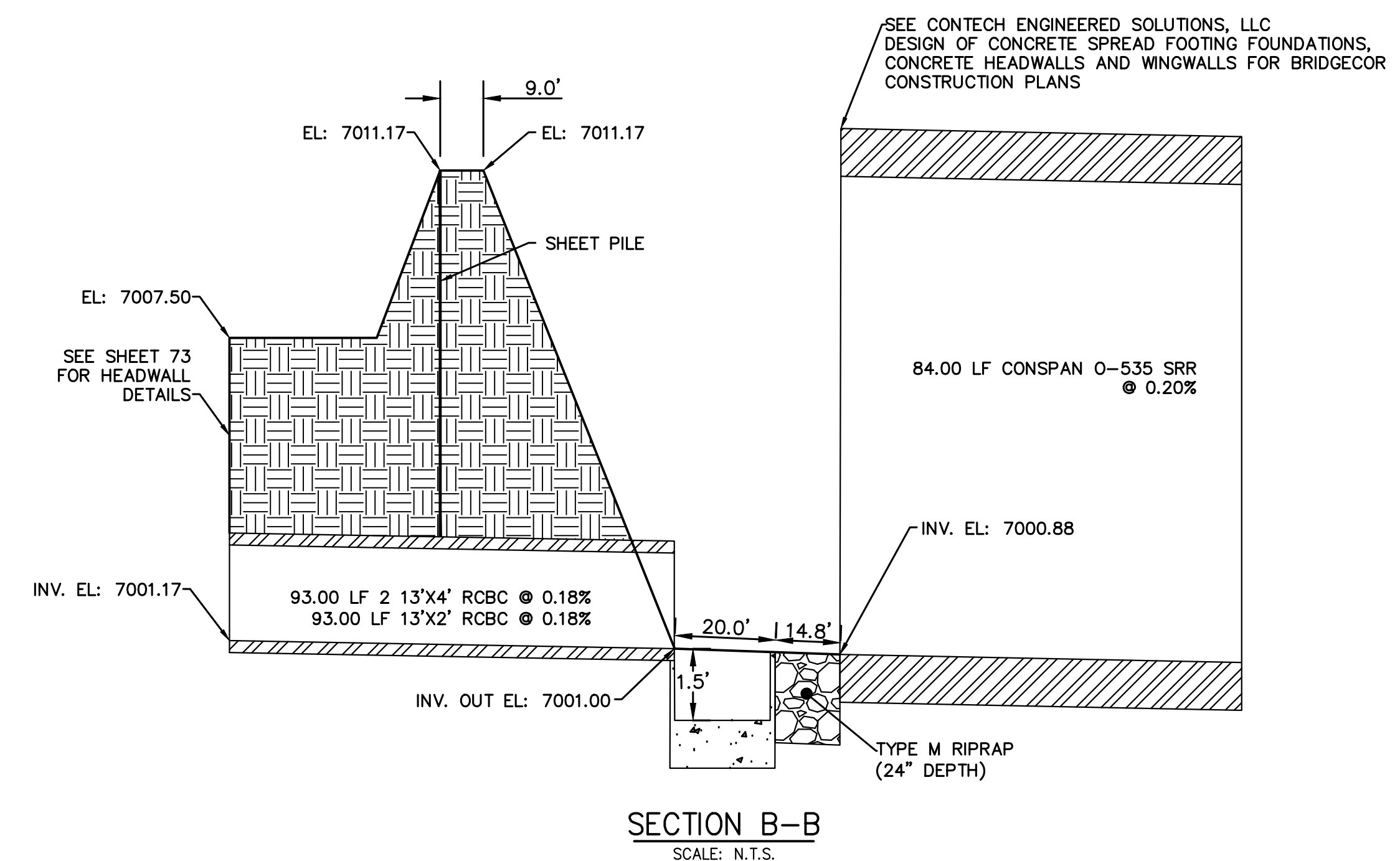


POND W-3 OVERFLOW WEIR
SCALE: 1"=20'

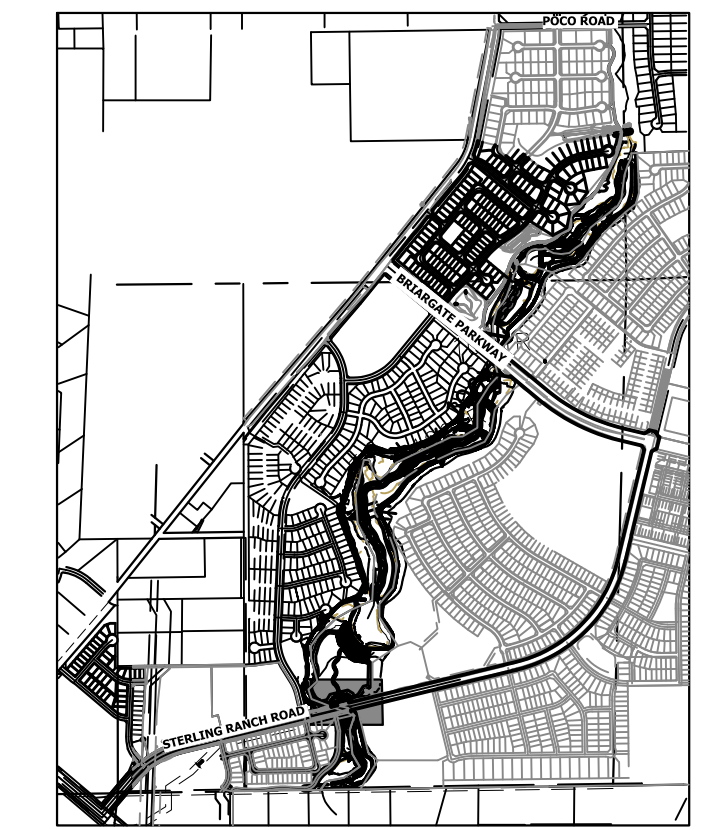


PLACE FLOOR ATOP 6" OF AGGREGATE BASE
BASE COARSE AND COMPACTED SUBGRADE. IF
MUCK IS ENCOUNTERED, USE MAX. OF 1-1/2"
TO 3" ROCK ATOP 12" OF 3"-5" ROCK
(DEPENDANT UPON FIELD CONDITIONS)

BERM DETAIL
SCALE: N.T.S.



SECTION B-B
SCALE: N.T.S.



KEY MAP
SCALE: 1"=2000'

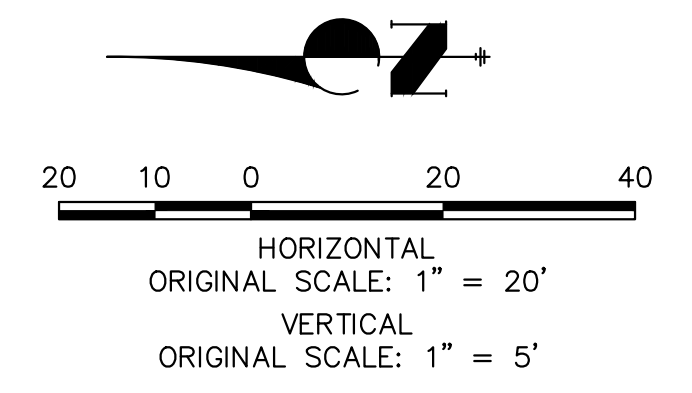
UNTIL SUCH TIME AS
THESE DRAWINGS ARE
APPROVED BY THE
APPROPRIATE REVIEWING
AGENCIES, OR ENGINEERING
APPROVES THEIR USE,
DESIGNATED BY WRITTEN
AUTHORIZATION.

PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
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Fort Collins 970-491-9888 • www.jrengineering.com

NO.	REVISION	BY	DATE



HORIZONTAL
ORIGINAL SCALE: 1" = 20'
VERTICAL
ORIGINAL SCALE: 1" = 5'



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

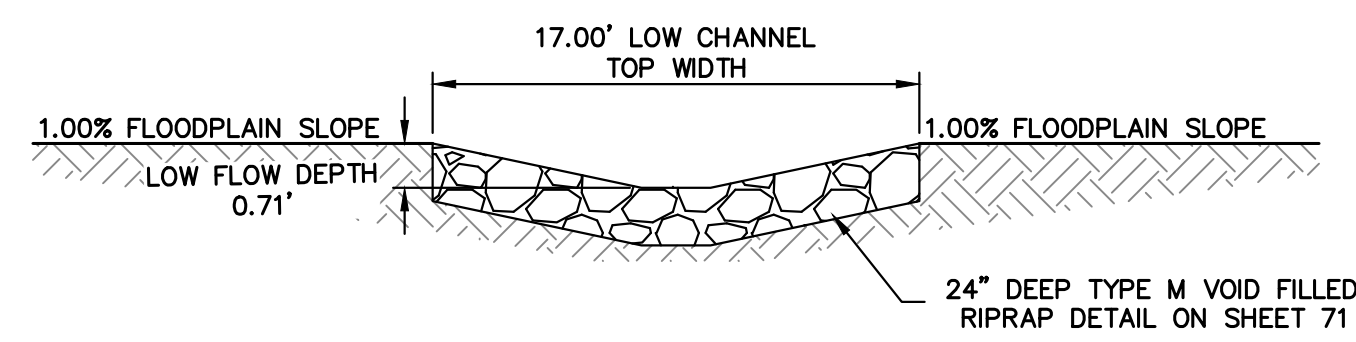
32314
4/18/23

SAND CREEK RESTORATION

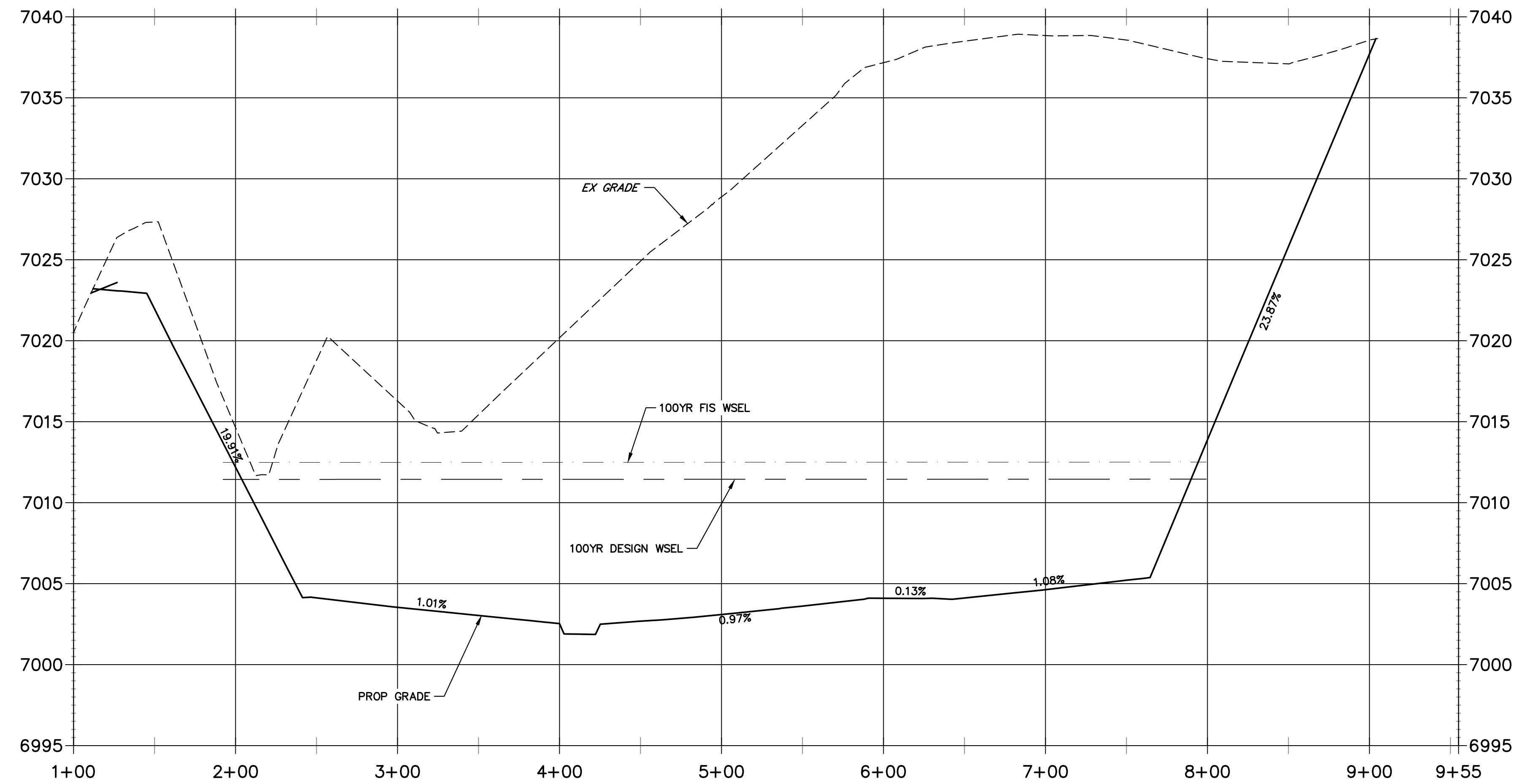
POND PLANS

SHEET 42 OF 121
JOB NO. 25188.04

**CROSS SECTION A-A
STA 1+00.00 TO 9+55.00**

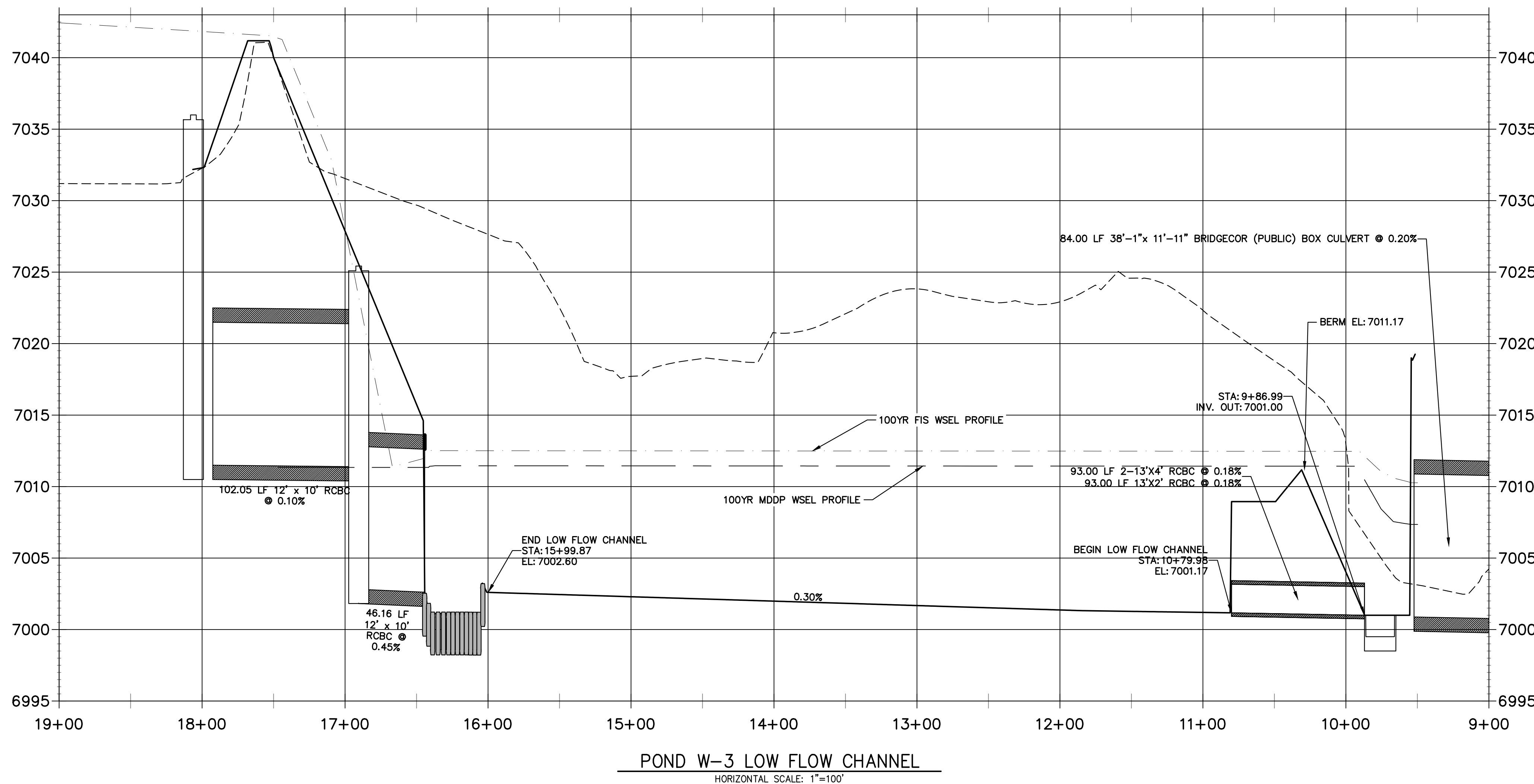


LOW FLOW CHANNEL DETAIL
SCALE: NTS

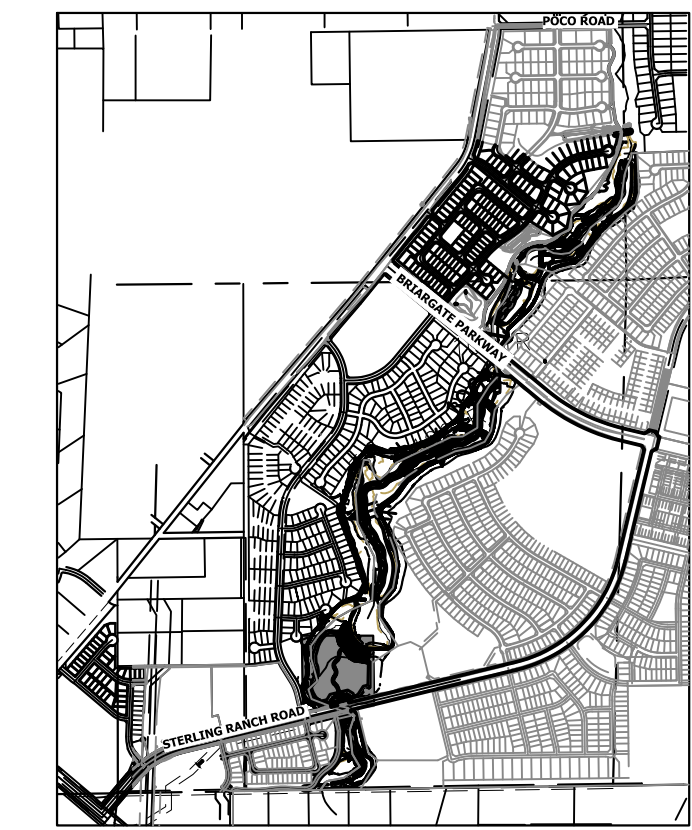


**LOW FLOW CHANNEL 1
STA 9+00.00 TO 19+00.00**

**POND W-3
CROSS SECTION A-A**
HORIZONTAL SCALE: 1"=50'



POND W-3 LOW FLOW CHANNEL
HORIZONTAL SCALE: 1"=100'



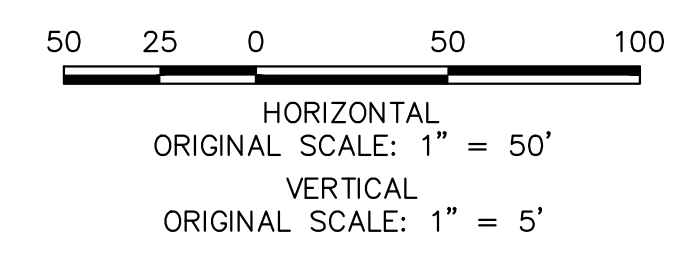
KEY MAP
SCALE: 1"=2000'

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

PREPARED FOR
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BY	DATE	No.	REVISION



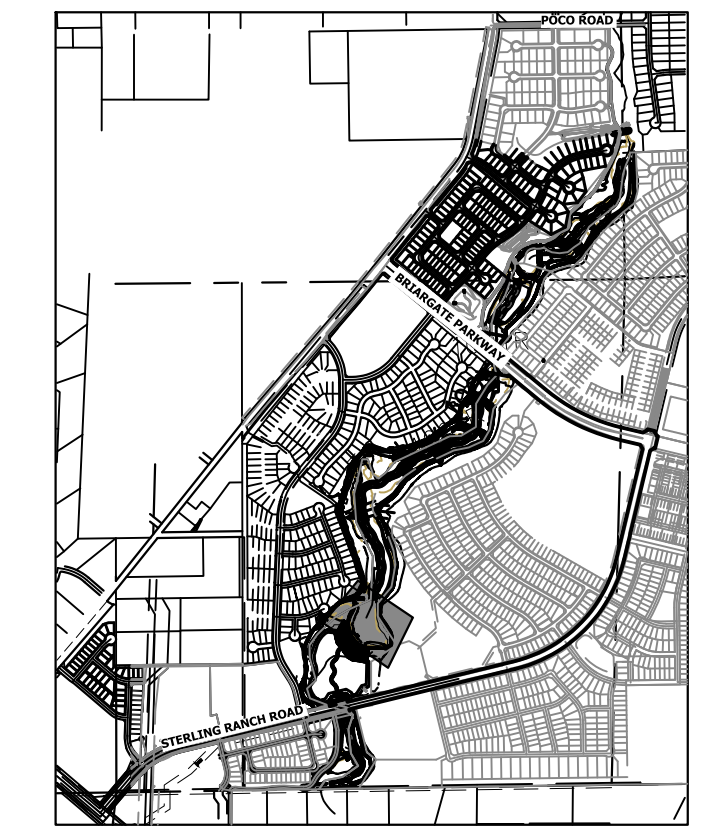
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

32314
4/18/23

GRADING NOTES:

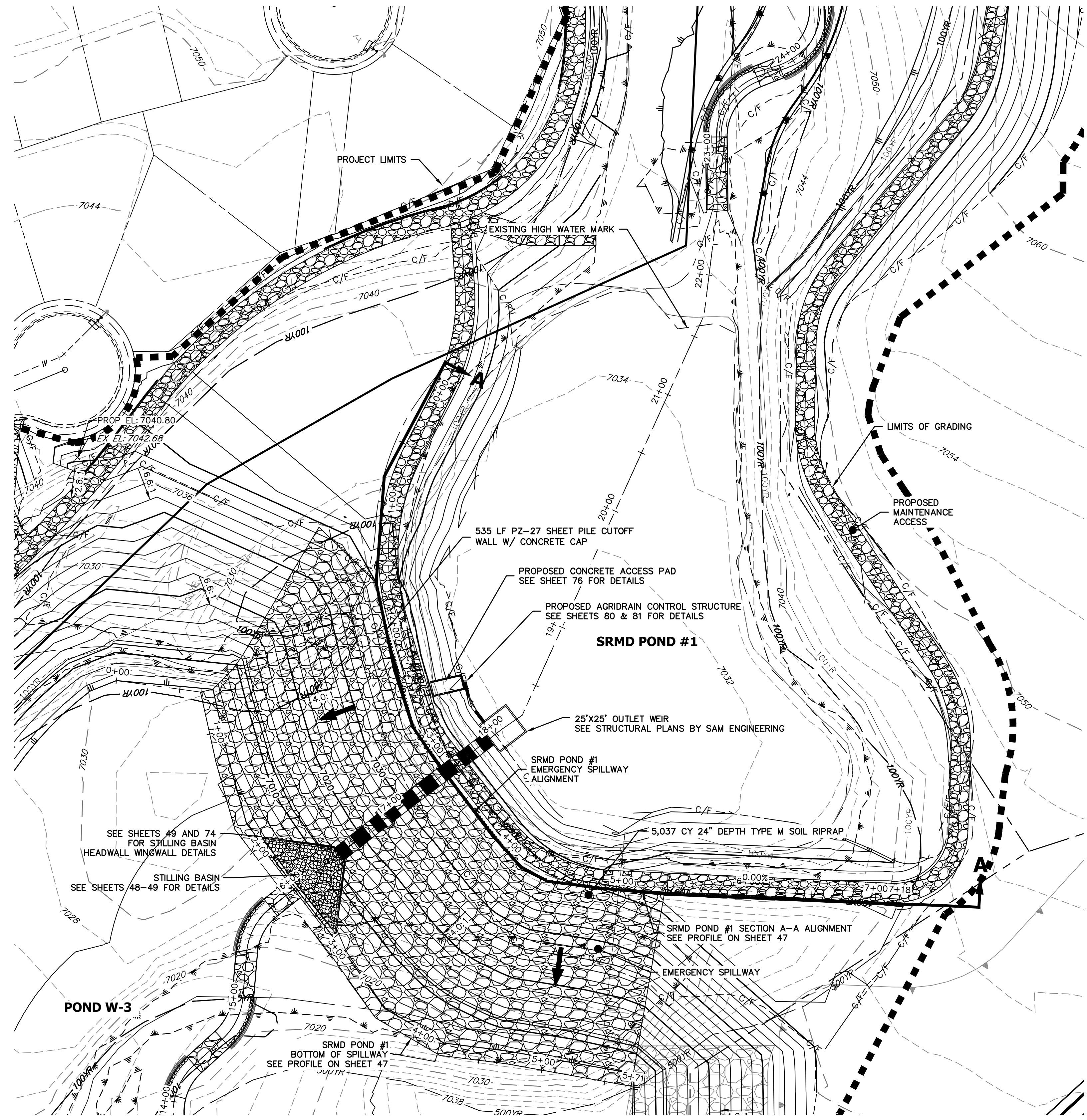
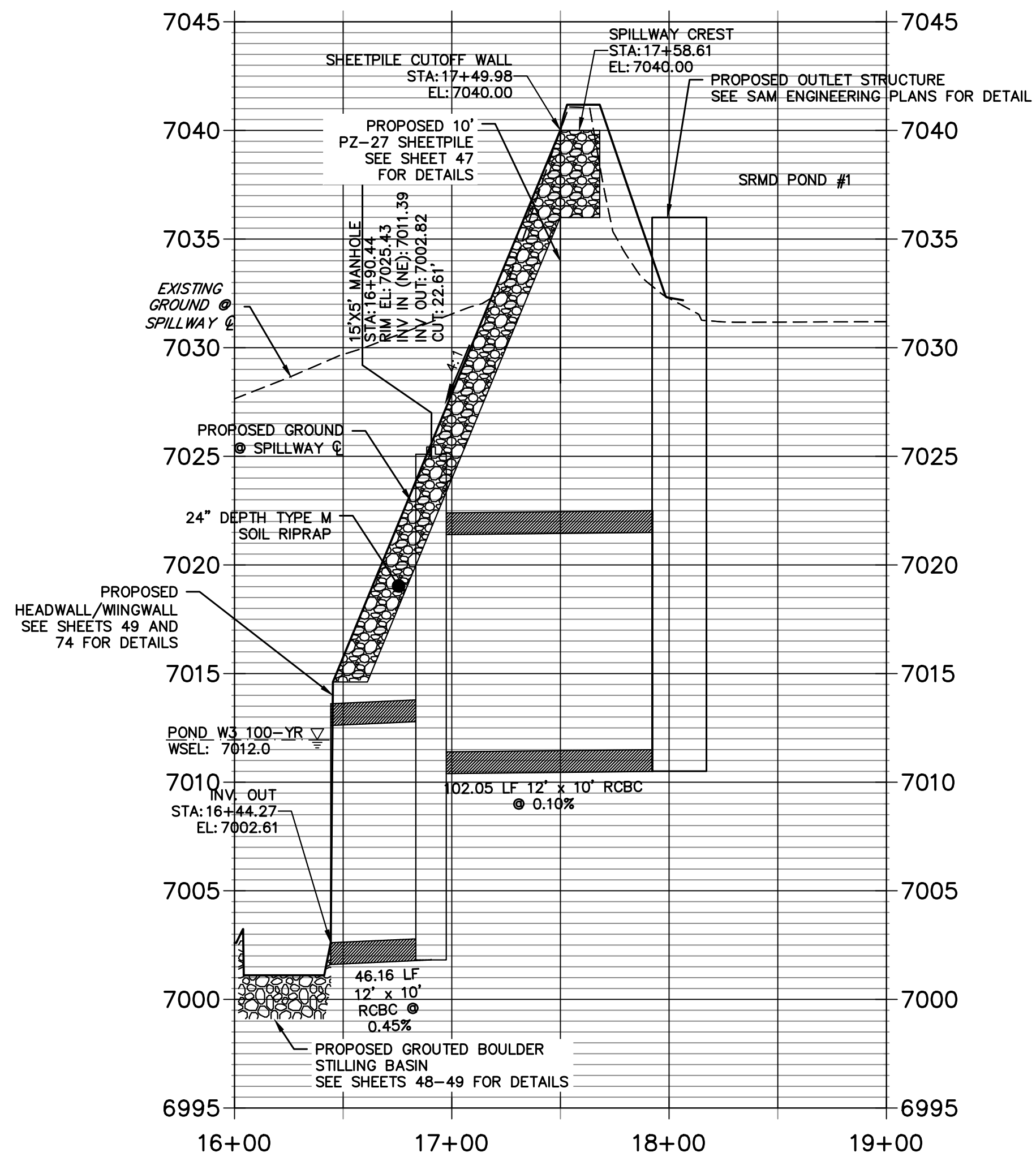
- ALL PROPOSED CONTOURS ARE TO FINISHED GRADE.
- EARTHEN CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM. SLOPES IN EXCESS OF 4:1 AND AREAS OTHERWISE INDICATED BY WITHIN THESE PLANS, SHALL BE COVERED WITH SOIL RETENTION BLANKET OVER 4" MIN. THICKNESS OF TOPSOIL AND SEEDED.
- IF THE PROJECT IS CONSTRUCTED DURING THE SUMMER WHEN SEEDING IS NOT ALLOWED, APPLY 1-1/2 TONS OF CERTIFIED WEED FREE MULCH PER ACRE MECHANICALLY CRIMPED INTO THE SOIL IN COMBINATION WITH AN ORGANIC MULCH TACKIFIER.
- PRIOR TO ANY CONSTRUCTION ACTIVITIES THE PROPOSED SILT FENCE SHOWN ON THE EROSION CONTROL SHEET SHALL BE CONSTRUCTED. THE FENCE SHALL BE REMOVED UPON THE LATER OF STABILIZATION OF THE SITE OR COMPLETION OF CONSTRUCTION.
- TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE ERMV OR WQCV OF A DETENTION BASIN. INSTEAD, EROSION CONTROL BLANKETS SHALL BE INSTALLED FOR A WIDTH OF AT LEAST 6 FEET ON EITHER SIDE OF CONCRETE LOW-FLOW CHANNELS. THE BLANKETS SHALL COMPLY WITH THE MATERIALS AND INSTALLATION REQUIREMENTS FOR EROSION CONTROL BLANKETS (STRAW COCONUT OR 100 PERCENT COCONUT). SITE-SPECIFIC CONDITIONS MAY REQUIRE ADDITIONAL BLANKET OR OTHER EROSION CONTROL MEASURES.



PREPARED FOR
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**SRMD POND #1 EMERGENCY SPILLWAY PROFILE
 STA 16+00.00 TO 19+00.00**

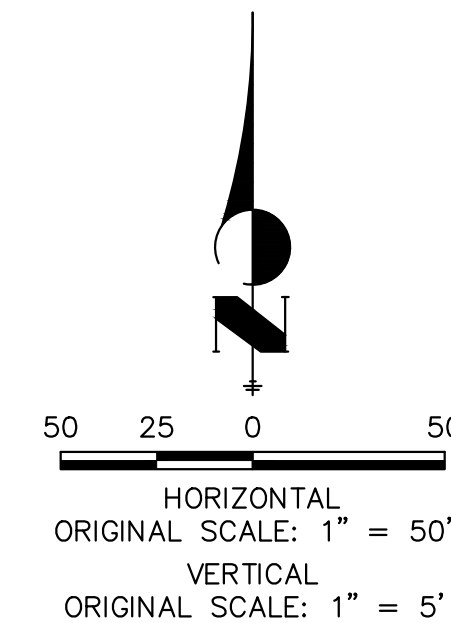


EXISTING SRMD POND #1 EMERGENCY SPILLWAY
 SCALE: 1"=50'

SRMD POND #1		
DRAINAGE AREA (AC)	2313.1	
AVERAGE % IMP.	9%	
	5-YR	100-YR
Q ₁₀ (CFS)	511.84	1977.60
Q ₂₄ (CFS)	499.73	1819.90
STATIC WSEL (FT)	7036.00	7036.00
MAX WSEL (FT)	7040.00	7040.00
DEPTH (FT)	6.17	8.09
VOLUME (AC-FT)	10.43	36.00
SURFACE AREA (AC)	2.7	4.40

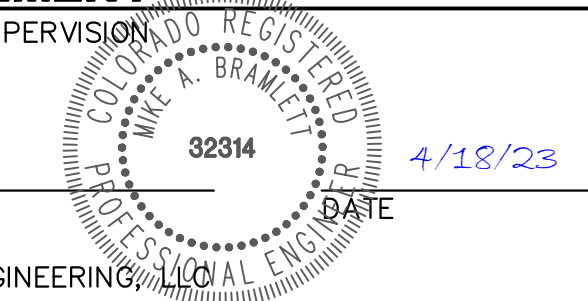


Know what's below.
 Call before you dig.



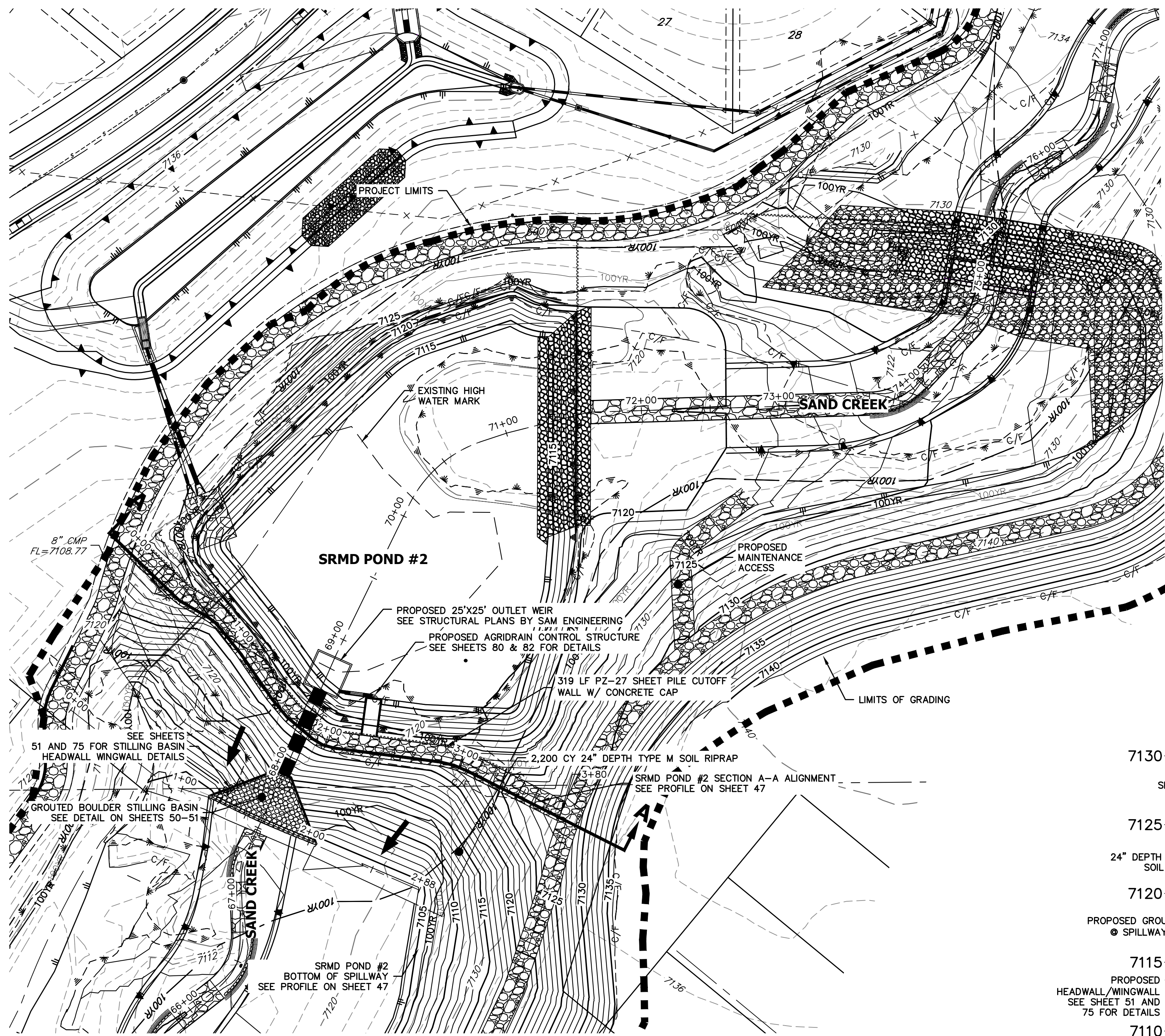
ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION
 Mike Bramlett
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING



No.	REVISION	BY	DATE	H-SCALE		V-SCALE		DESIGNED BY	DRAWN BY	CHECKED BY
				1"=50'	1"=5'	DATE	DATE			

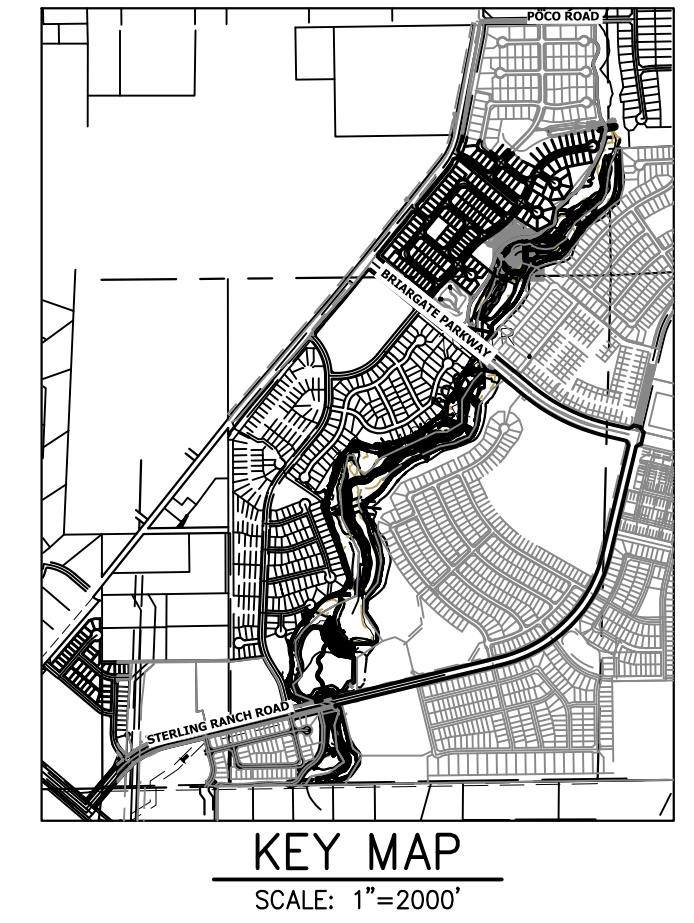
SAND CREEK RESTORATION
 POND PLANS
 SHEET 45 OF 26
 JOB NO. 25188.04



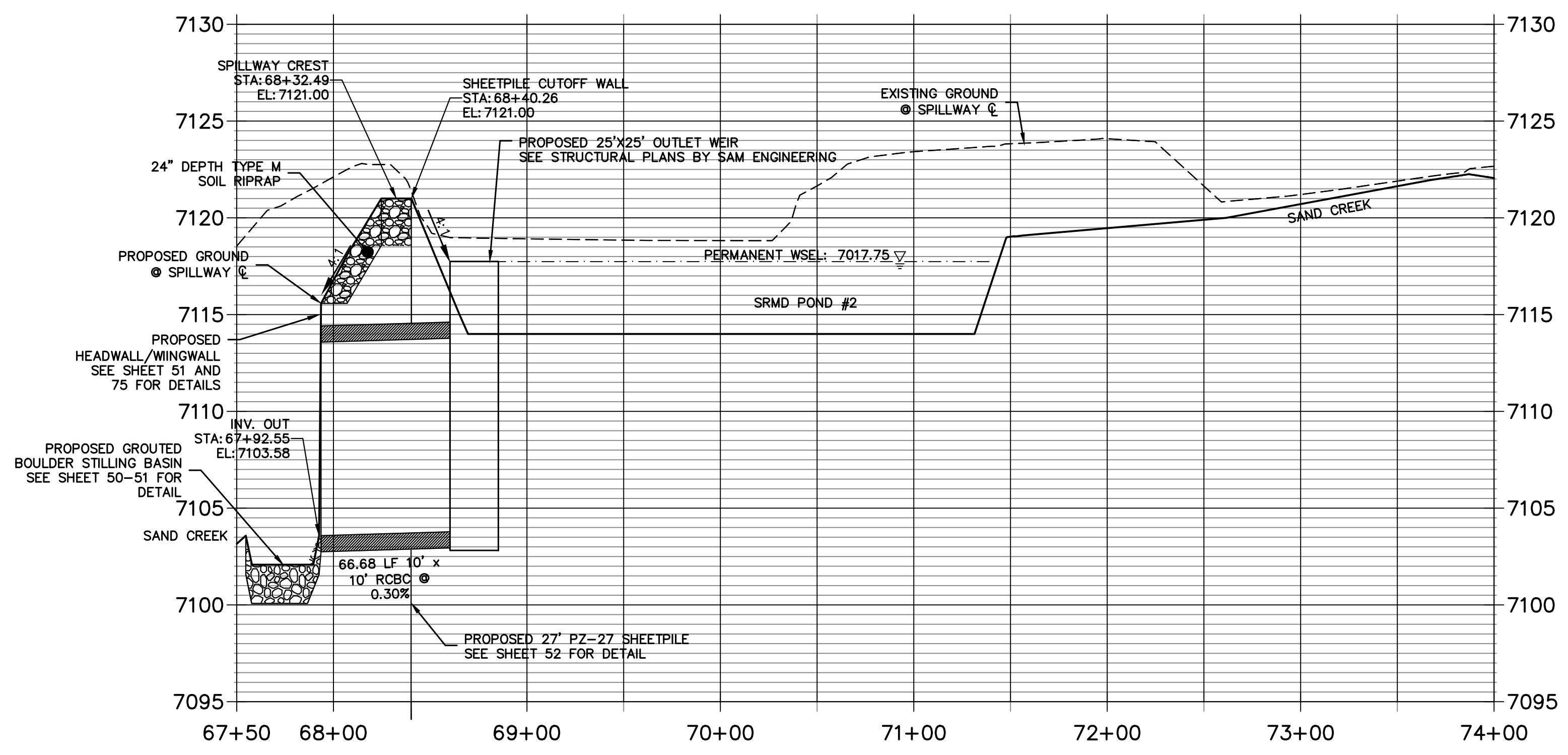
GRADING NOTES:

- ALL PROPOSED CONTOURS ARE TO FINISHED GRADE.
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- PRIOR TO ANY CONSTRUCTION ACTIVITIES THE PROPOSED SILT FENCE SHOWN ON THE EROSION CONTROL SHEET SHALL BE CONSTRUCTED. THE FENCE SHALL BE REMOVED UPON THE LATER OF STABILIZATION OF THE SITE OR COMPLETION OF CONSTRUCTION.
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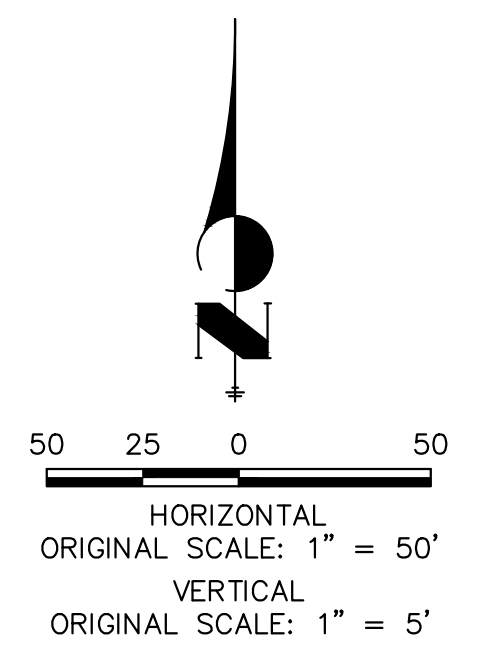
SRMD POND #2		
DRAINAGE AREA (AC)	2003.2	
AVERAGE % IMP.	8%	
	5-YR	100-YR
Q ₅ (CFS)	477.23	1666.90
Q ₁₀₀ (CFS)	476.24	1661.20
STATIC WSEL (FT)	7117.75	7117.75
MAX WSEL (FT)	7019.27	7021.00
DEPTH (FT)	5.08	6.81
VOLUME (AC-FT)	6.26	8.70
SURFACE AREA (AC)	1.35	2.10



**SRMD POND #2 EMERGENCY SPILLWAY PROFILE
STA 67+50.00 TO 74+00.00**



Know what's below.
Call before you dig.



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314

DATE: 4/18/23

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

J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2593
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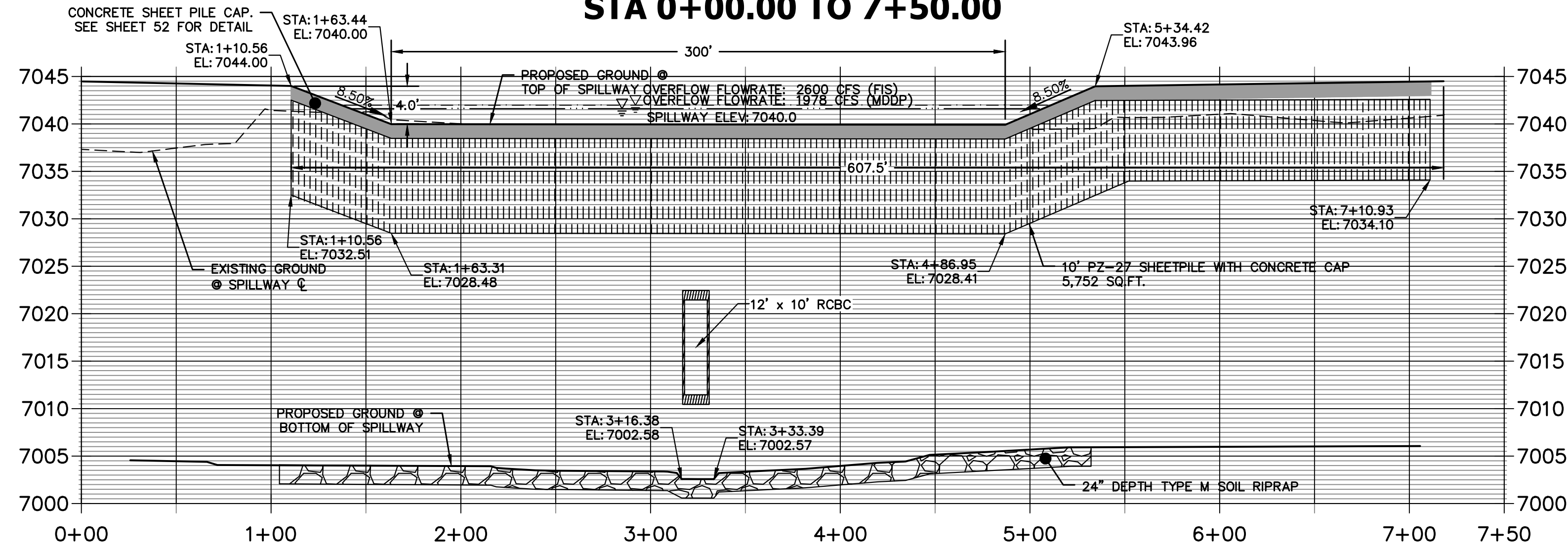
SAND CREEK RESTORATION
POND PLANS

SHEET 46 OF 26
JOB NO. 25188.04

BY	DATE	REVISION

H-SCALE 1"=50'	V-SCALE 1"=5'	DATE 4/18/23	DESIGNED BY DUJ	DRAWN BY DUJ	CHECKED BY
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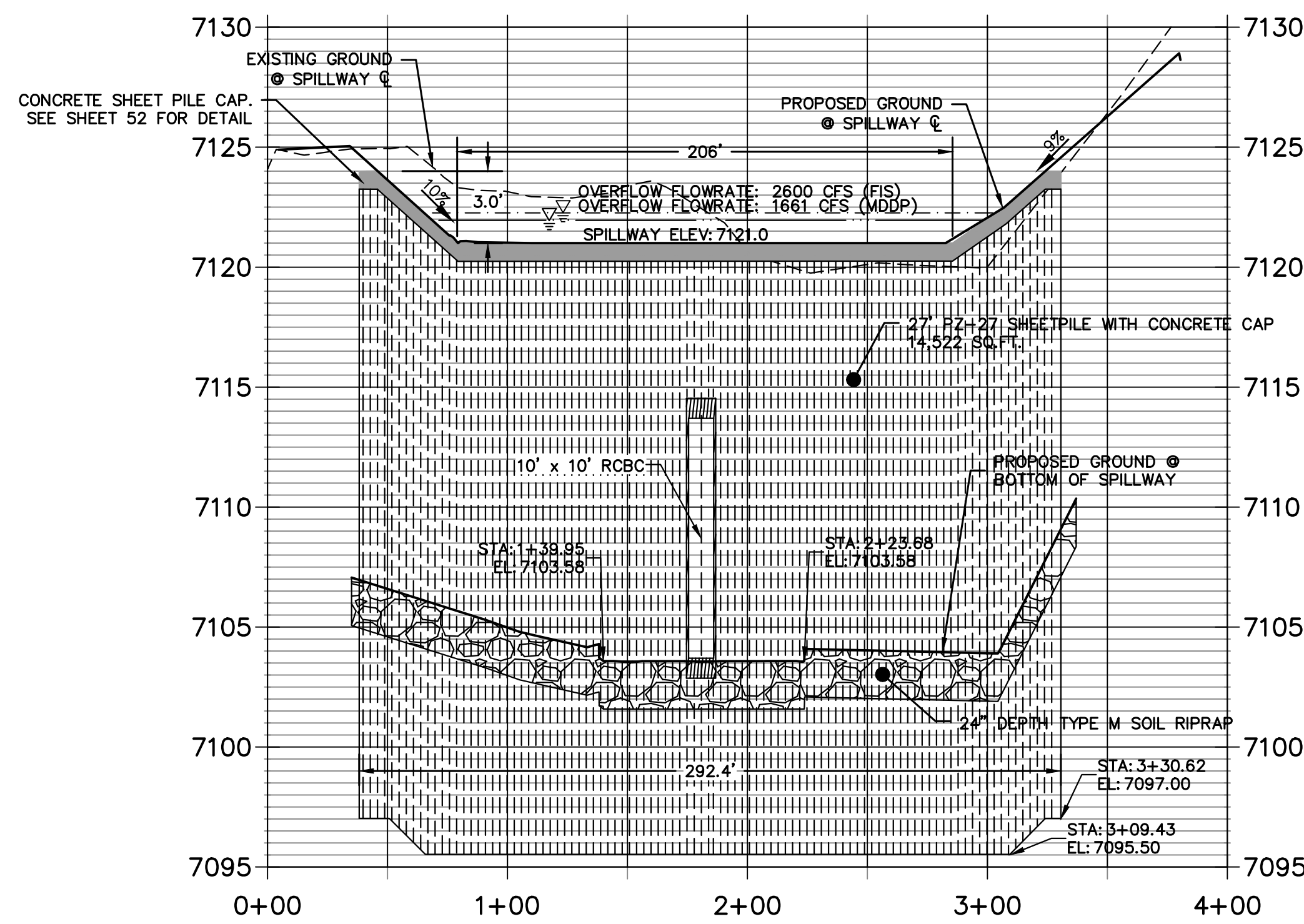
**SRMD POND #1 SECTION A-A PROFILE
STA 0+00.00 TO 7+50.00**



SRMD POND #1 SECTION A-A PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=10'

**SRMD POND #2 SECTION A-A PROFILE
STA 0+00.00 TO 4+00.00**



SRMD POND #2 SPILLWAY PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5'

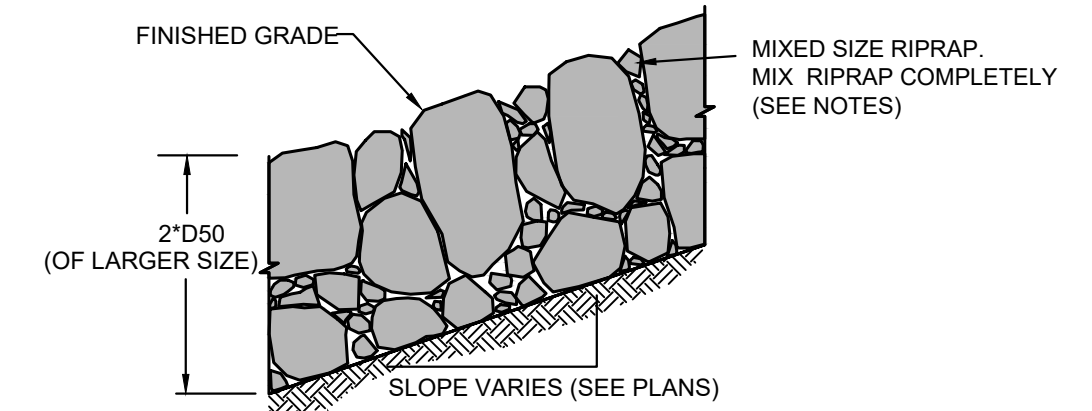
NOTES:

SEE STRUCTURAL PLANS BY SAM ENGINEERING FOR OUTLET STRUCTURE DESIGN.

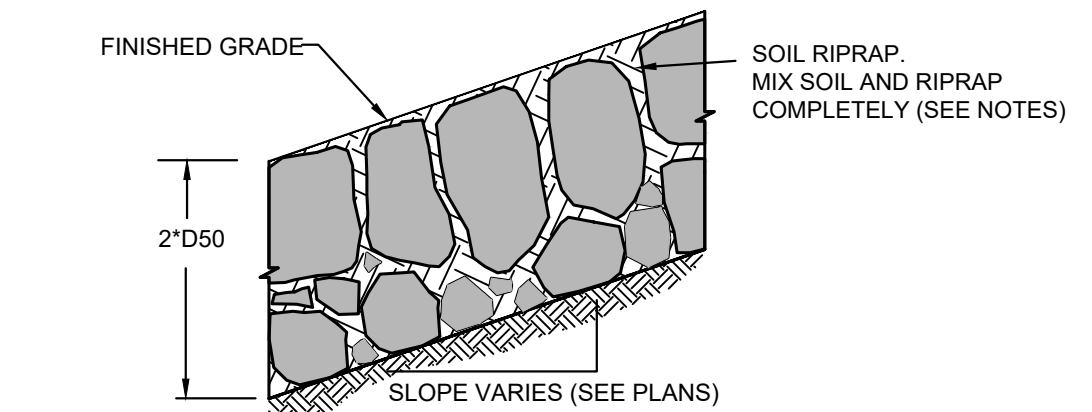
RIPRAP NOTES:

- WHERE "SOIL RIPRAP" IS DESIGNATED ON THE CONTRACT DRAWINGS, RIPRAP VOIDS ARE TO BE FILLED WITH APPROVED FILL. THE RIPRAP SHALL BE PRE-MIXED WITH THE APPROVED FILL AT THE FOLLOWING PROPORTIONS BY VOLUME: 65 PERCENT RIPRAP AND 35 PERCENT SOIL. THE SOIL USED FOR MIXING SHALL BE NATIVE TOPSOIL AND SHALL HAVE A MINIMUM FINES CONTENT OF 15 PERCENT. THE "SOIL RIPRAP" SHALL BE INSTALLED IN A MANNER THAT RESULTS IN A DENSE, INTERLOCKED LAYER OF RIPRAP WITH RIPRAP VOIDS FILLED COMPLETELY WITH SOIL. SEGREGATION OF MATERIALS SHALL BE AVOIDED AND IN NO CASE SHALL THE COMBINED MATERIAL CONSIST PRIMARILY OF SOIL; THE DENSITY AND INTERLOCKING NATURE OF RIPRAP IN THE MIXED MATERIAL SHALL ESSENTIALLY BE THE SAME AS IF THE RIPRAP WAS PLACED WITHOUT SOIL.
- PLACE ALL RIPRAP AND SOIL-RIPRAP TO RESULT IN SECURELY INTERLOCKED ROCK AT THE DESIGN THICKNESS AND GRADE. COMPACT AND ALL LEVEL TO ELIMINATE VOIDS AND ROCKS PROJECTING DESIGN ABOVE RIPRAP TOP GRADE.
- ALL SOIL RIPRAP THAT IS BURIED WITH TOPSOIL SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ANY TOPSOIL PLACEMENT.
- CRIMP OR TACKIFY MULCH OR USE APPROVED HYDROMULCH AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
- ELEVATION TOLERANCES FOR RIPRAP SHALL BE 0.10 FEET. THICKNESS OF SOIL RIPRAP SHALL BE NO LESS THAN THICKNESS SHOWN AND NO MORE THAN 2-INCHES GREATER THAN THE THICKNESS SHOWN.

RIPRAP DESIGNATION	INTERMEDIATE ROCK DIMENSION (IN.)	PERCENT PASSING (%)	D ₅₀ (IN.)
TYPE VL	12	70-100	6
	9	50-70	
	6	35-50	
	2	2-10	
TYPE M	21	70-100	12
	18	50-70	
	12	35-50	
	4	2-10	
TYPE H	30	70-100	18
	24	50-70	
	18	35-50	
	6	2-10	



TYPICAL SECTION - VOID-FILLED RIPRAP



TYPICAL SECTION - SOIL RIPRAP



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

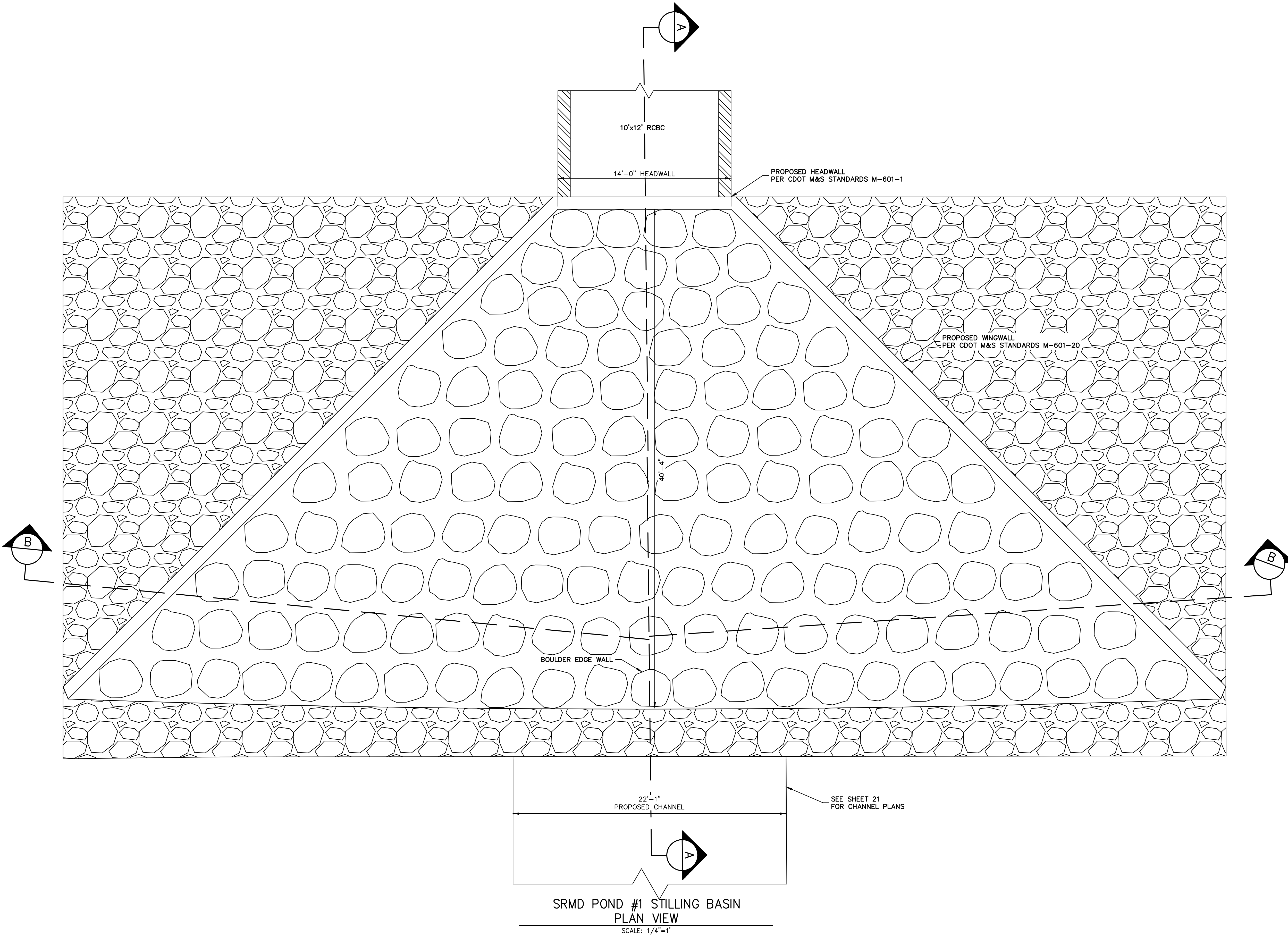
32314
DATE 4/18/23

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

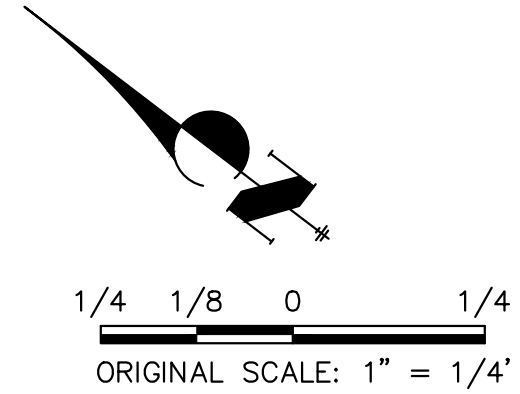
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
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Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				1"=50'	VARIES	4/18/23	DJV	DJV	
SAND CREEK RESTORATION				POND PLANS					
SHEET 47 OF 26				JOB NO. 25188.04					



SRMD POND #1 STILLING BASIN
PLAN VIEW
SCALE: 1/4"=1'



ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION
 Mike Bramlett
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING

32314
 4/18/23

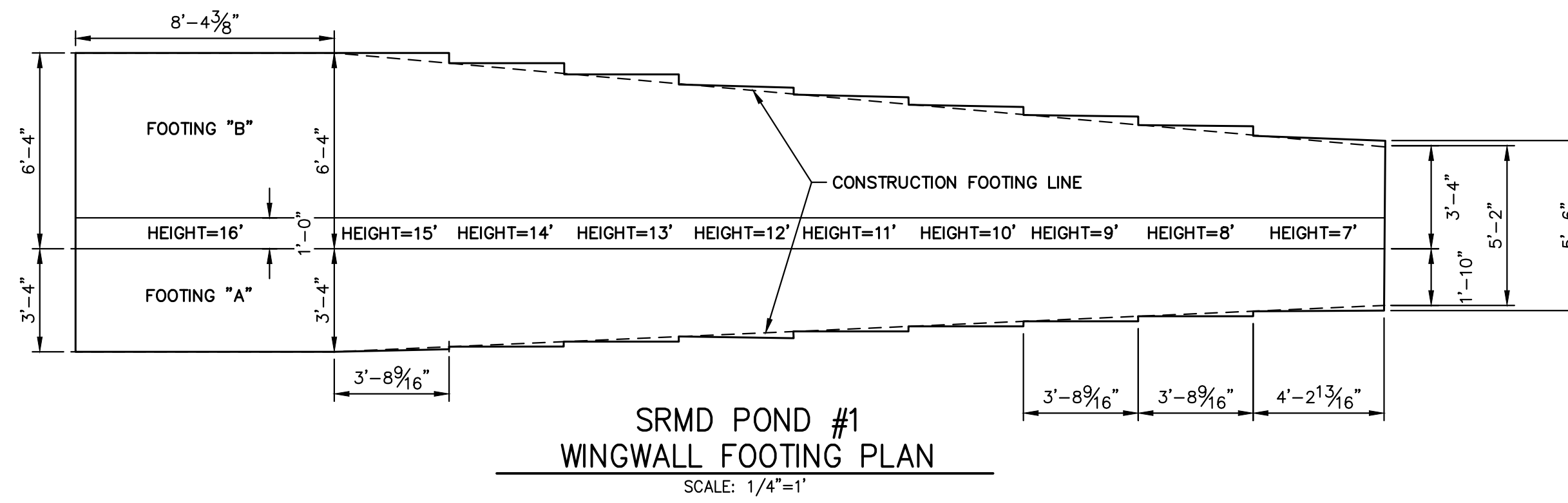
SAND CREEK RESTORATION	POND PLANS	BY	DATE	No.	REVISION
		DESIGNED BY	DATE		
SHEET 48	OF 121	DRAWN BY	DATE	1/4"=1"	1/4"=1"
JOB NO.	25188.04	CHECKED BY	DATE	4/18/23	

PREPARED FOR
SR LAND, LLC
 20 BOULDER CRESCENT
 2ND FLOOR
 COLORADO SPRINGS, CO 80903
 JAMES F. MORLEY
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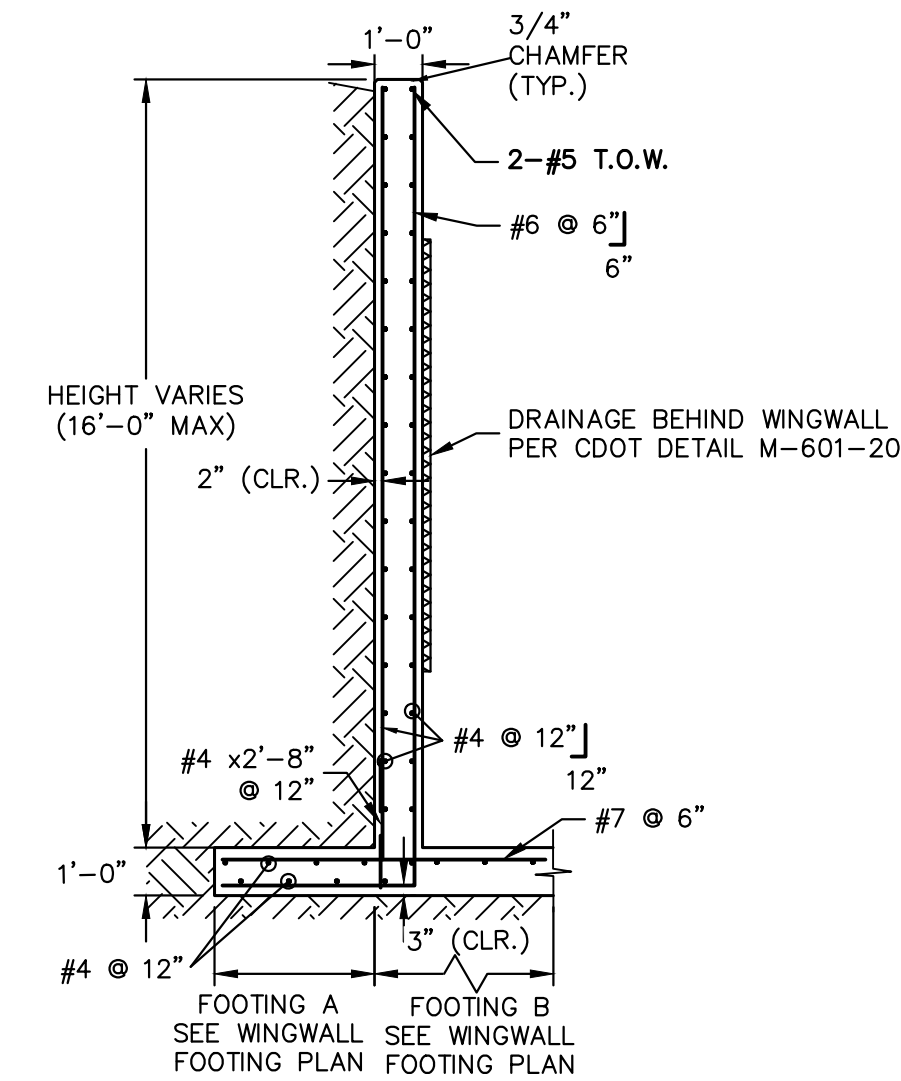
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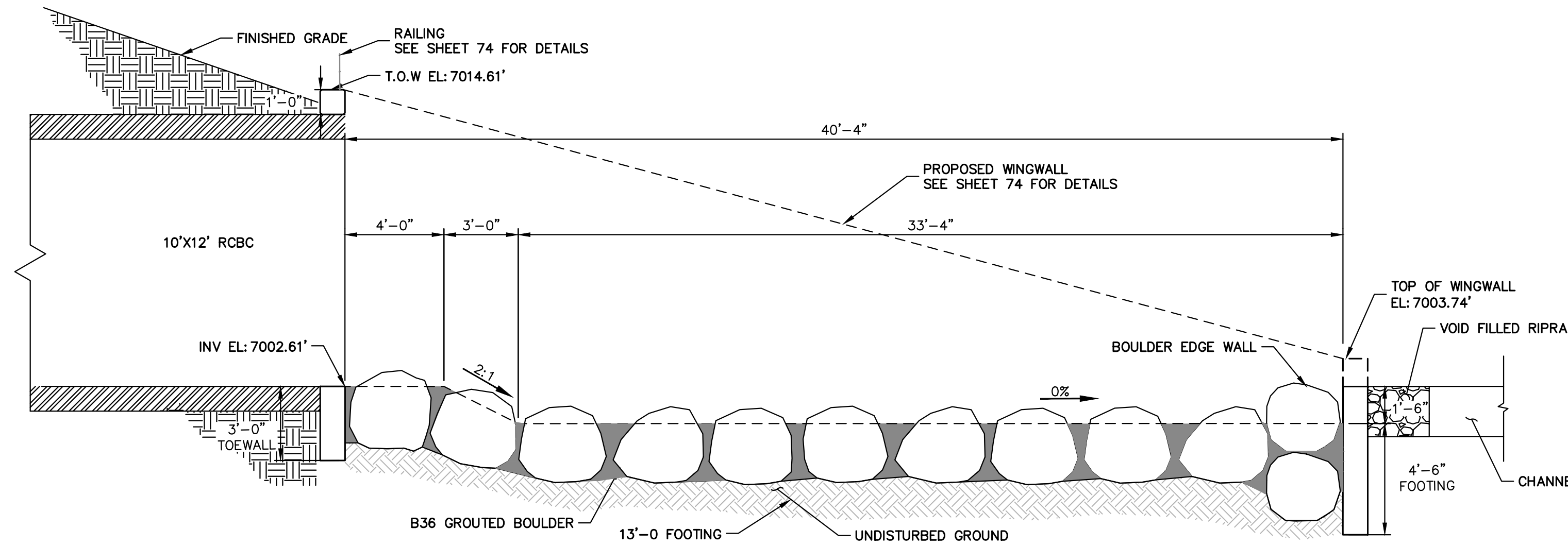
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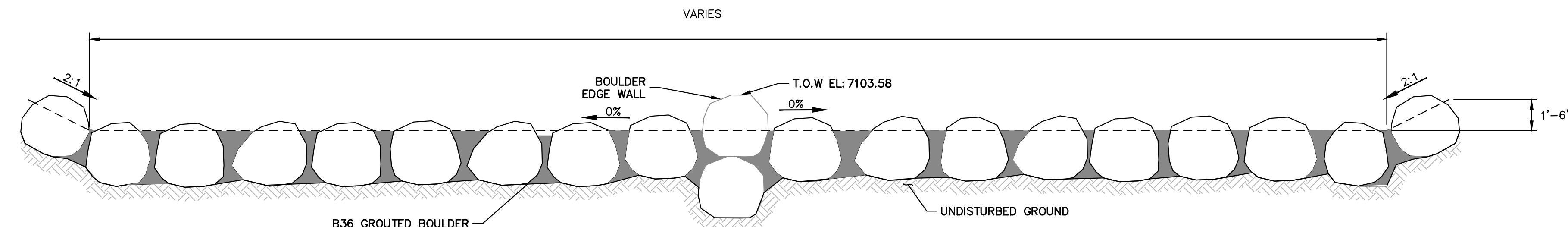
SRMD POND #1
WINGWALL FOOTING PLAN
SCALE: 1/4"=1'



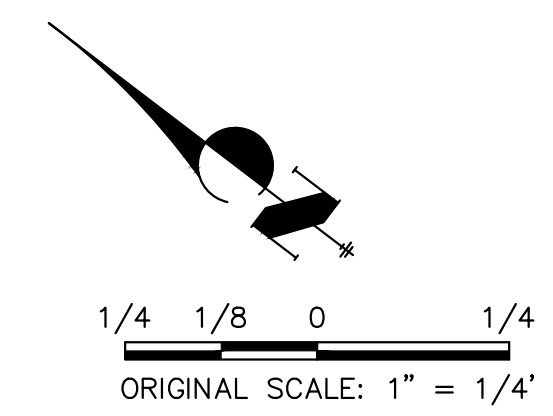
SRMD POND #1 WINGWALL
REINFORCING DETAIL
SCALE: 1/4"=1'



SRMD POND #1 STILLING BASIN
SECTION A-A
SCALE: 1/4"=1'



SRMD POND #1 STILLING BASIN
SECTION B-B
SCALE: 1/4"=1'

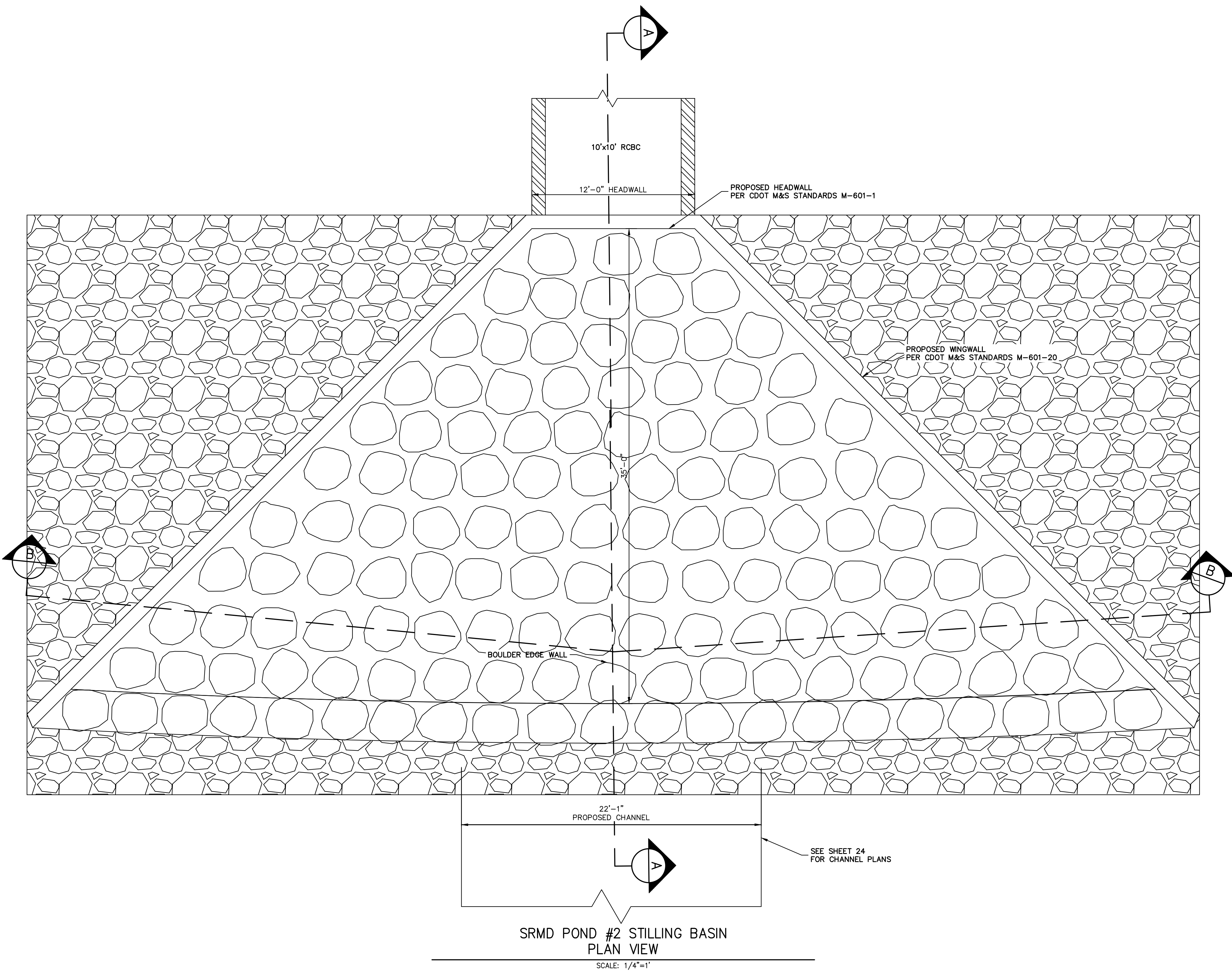


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MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

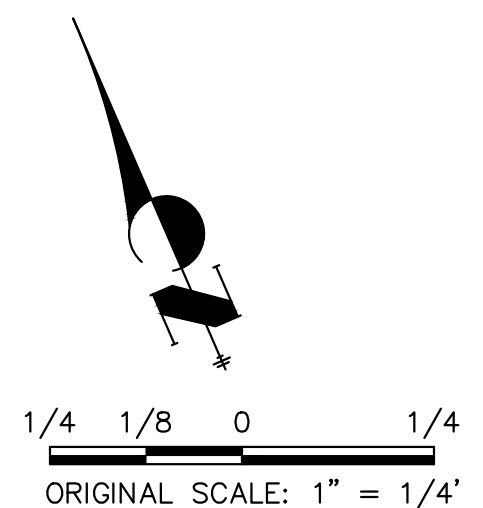
32314
4/18/23

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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 719-588-2583 Fort Collins 970-491-9888 • www.jrengineering.com
BY	DATE
No.	REVISION
H-SCALE	1/4"=1"
V-SCALE	N/A
DATE	4/18/23
DESIGNED BY	DJV
DRAWN BY	NEO
CHECKED BY	
SAND CREEK RESTORATION	POND PLANS
SHEET 49	OF 121
JOB NO.	25188.04



SRMD POND #2 STILLING BASIN
PLAN VIEW

SCALE: 1/4"=1'



ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION

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

32314
 DATE 4/18/23

SAND CREEK RESTORATION	BY	DATE
POND PLANS		
SHEET 50 OF 121		
JOB NO. 25188.04		

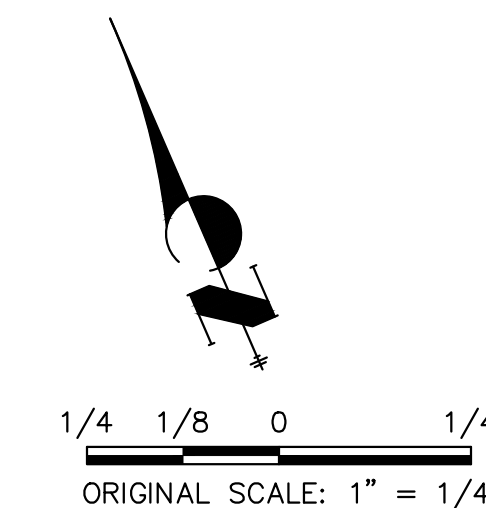
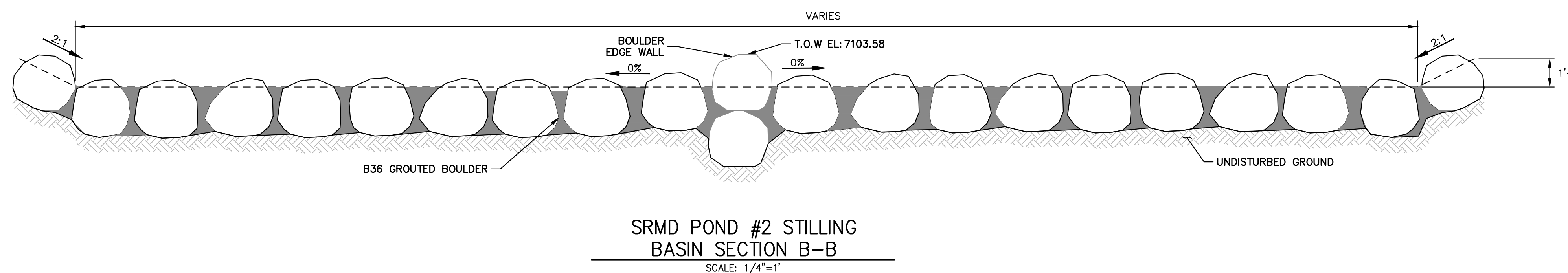
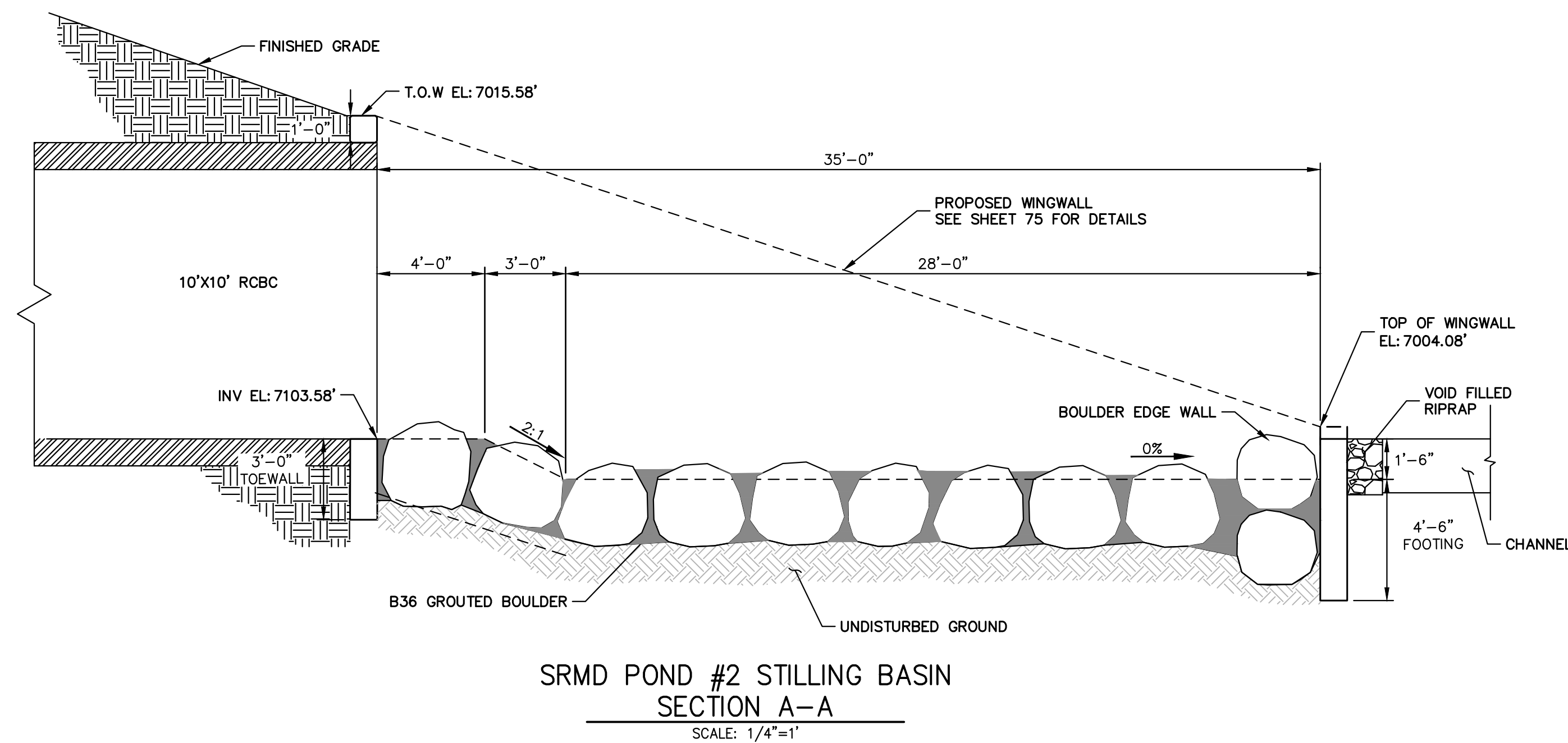
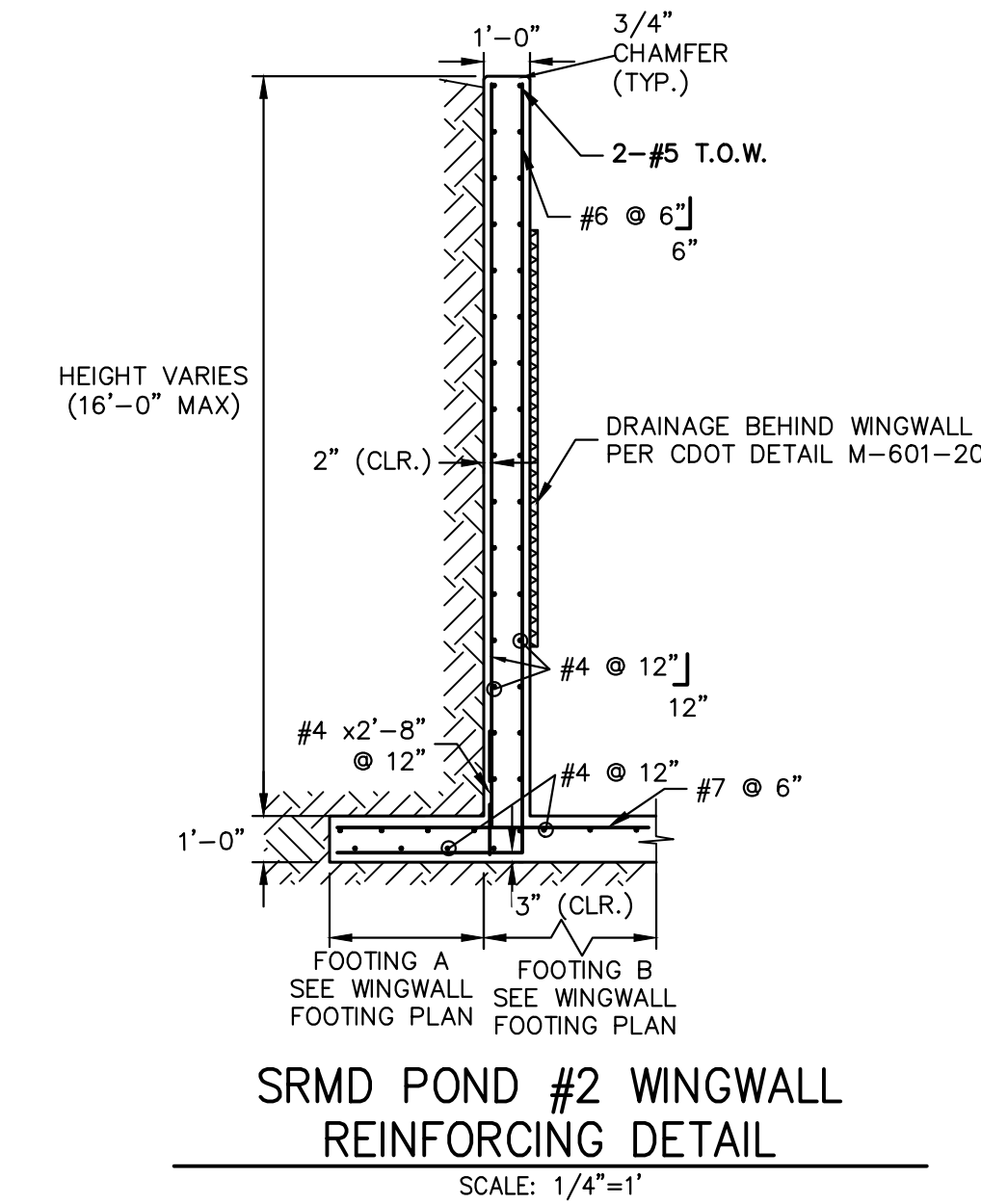
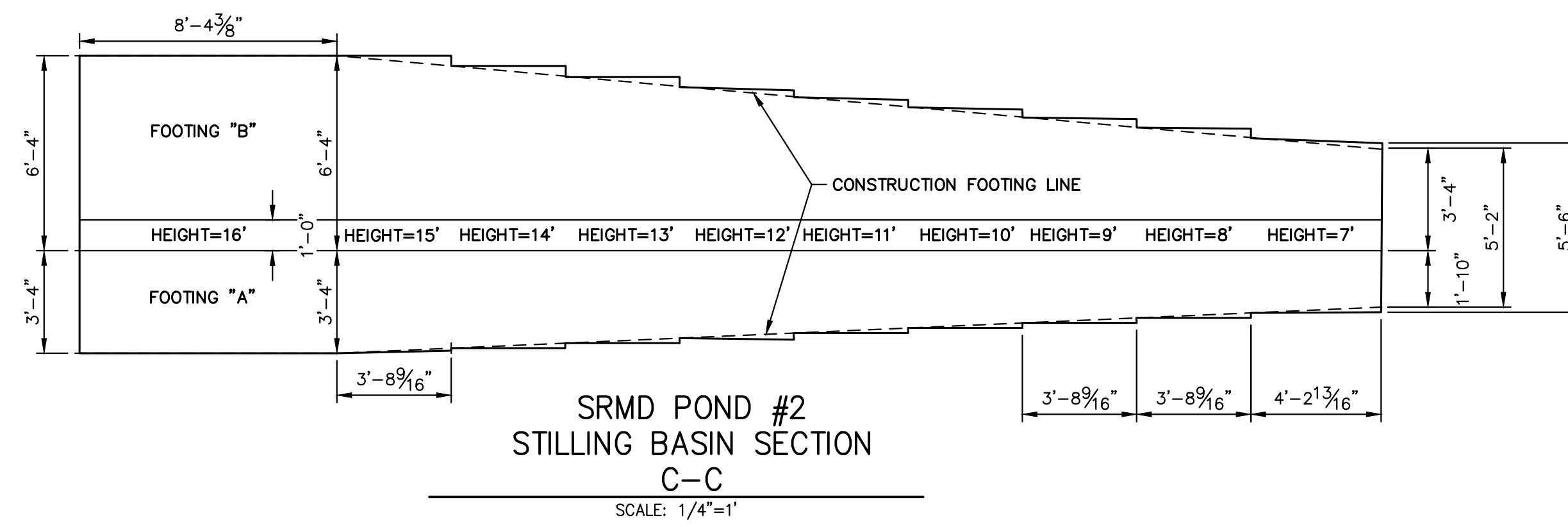
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V-SCALE	N/A
DATE	4/18/23
DESIGNED BY	DJV
DRAWN BY	NEO
CHECKED BY	

No.	REVISION	BY	DATE

J.R. ENGINEERING
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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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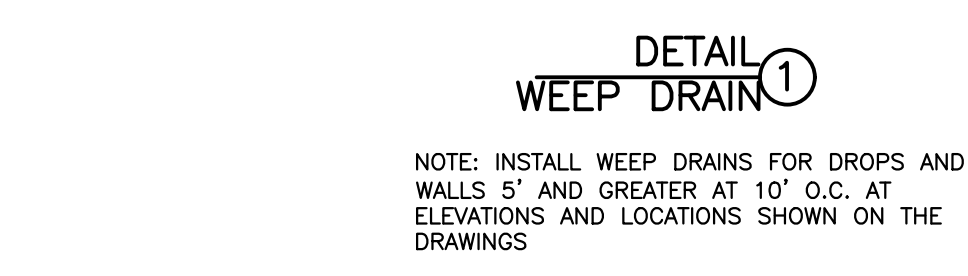
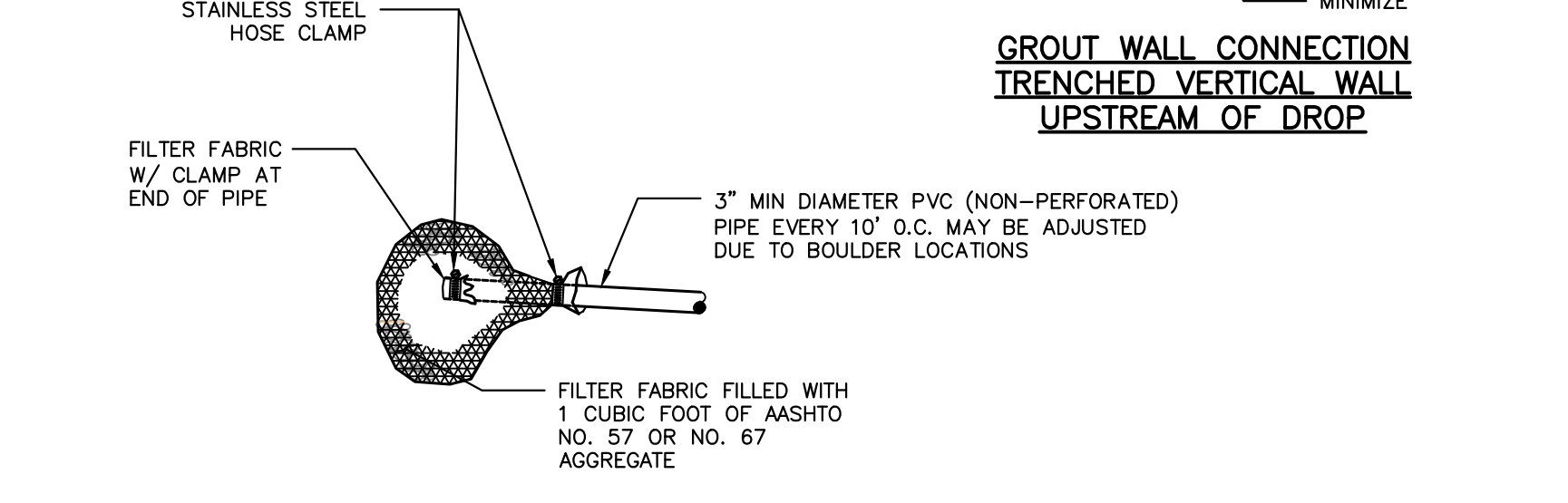
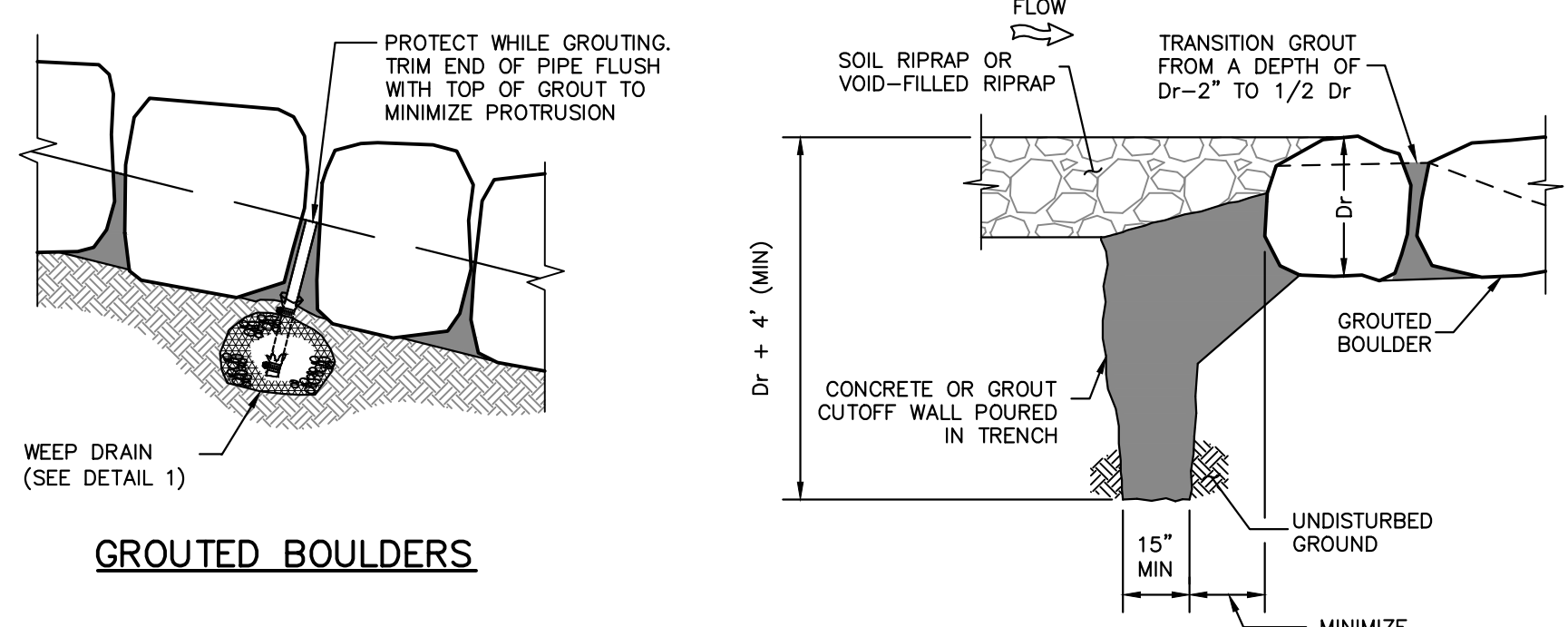
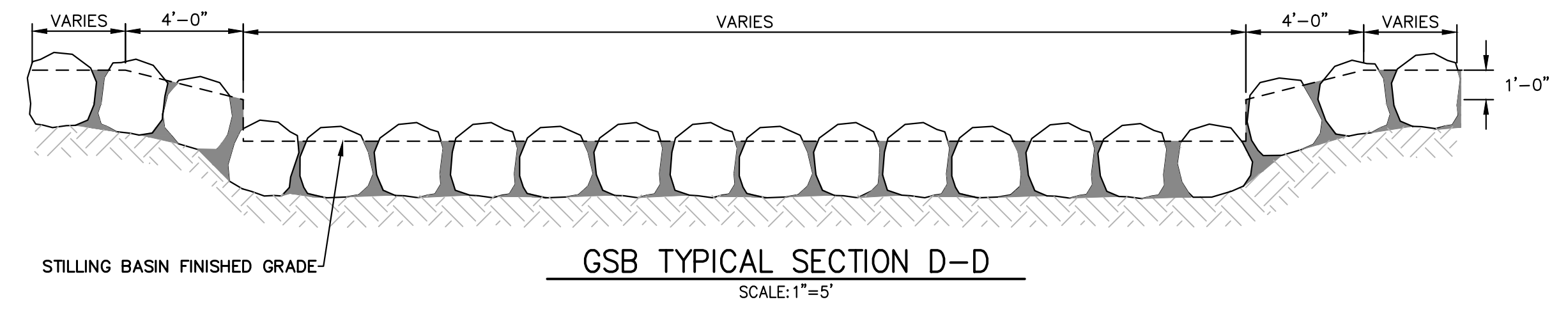
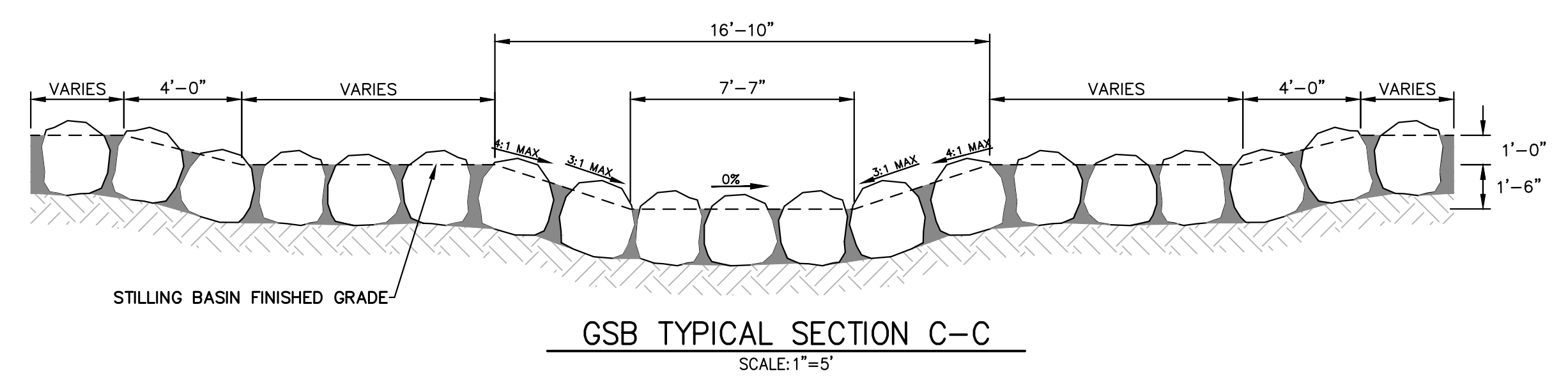
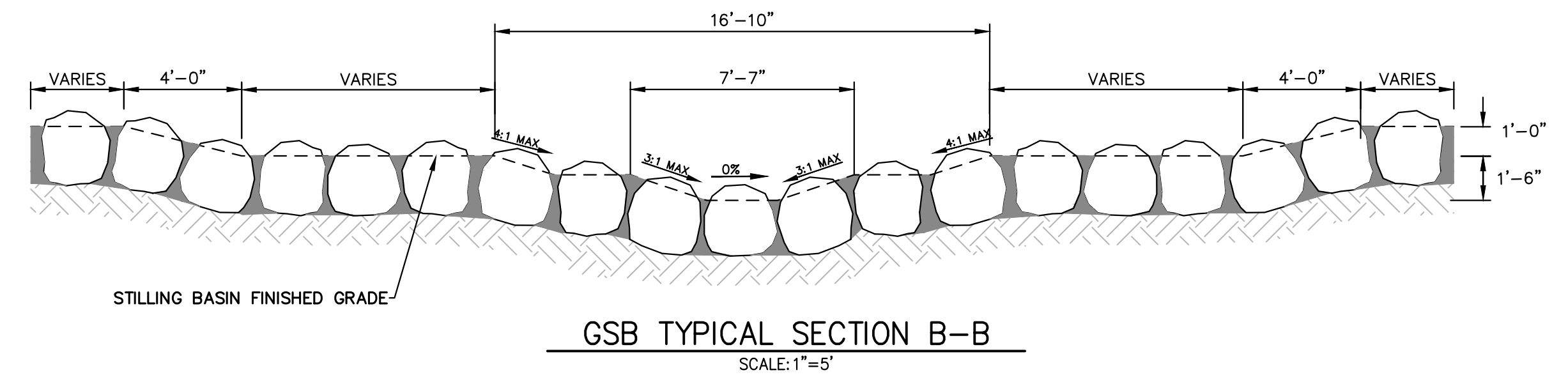
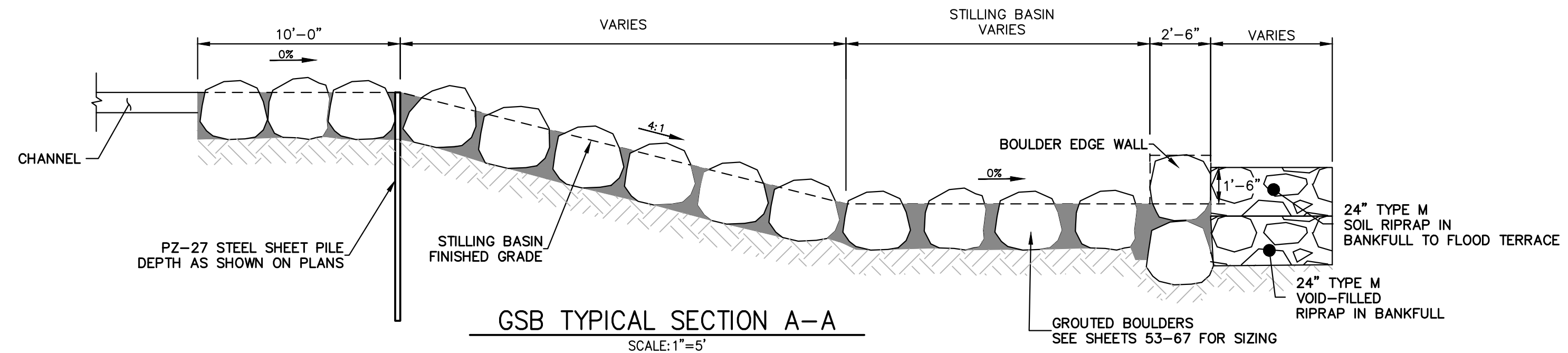
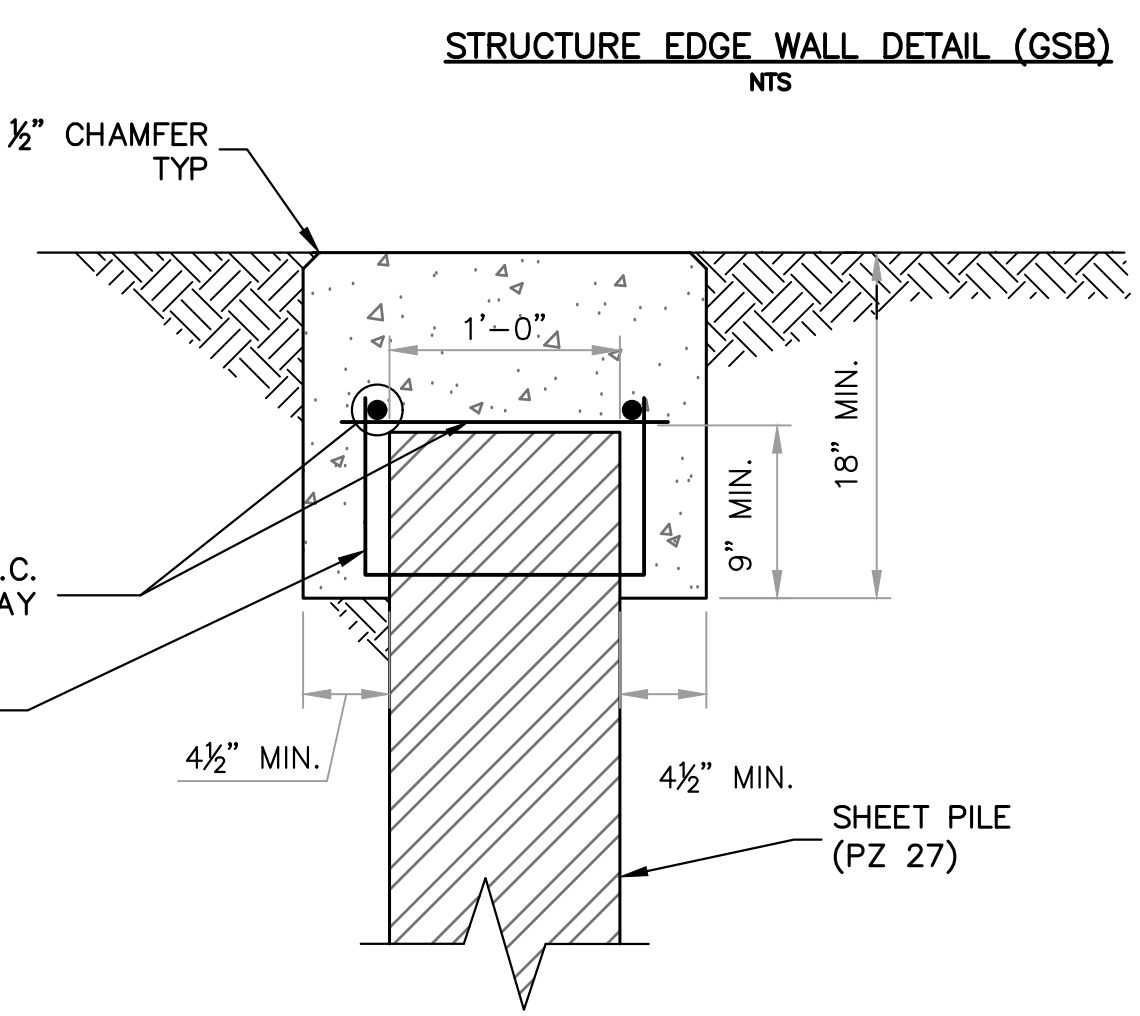
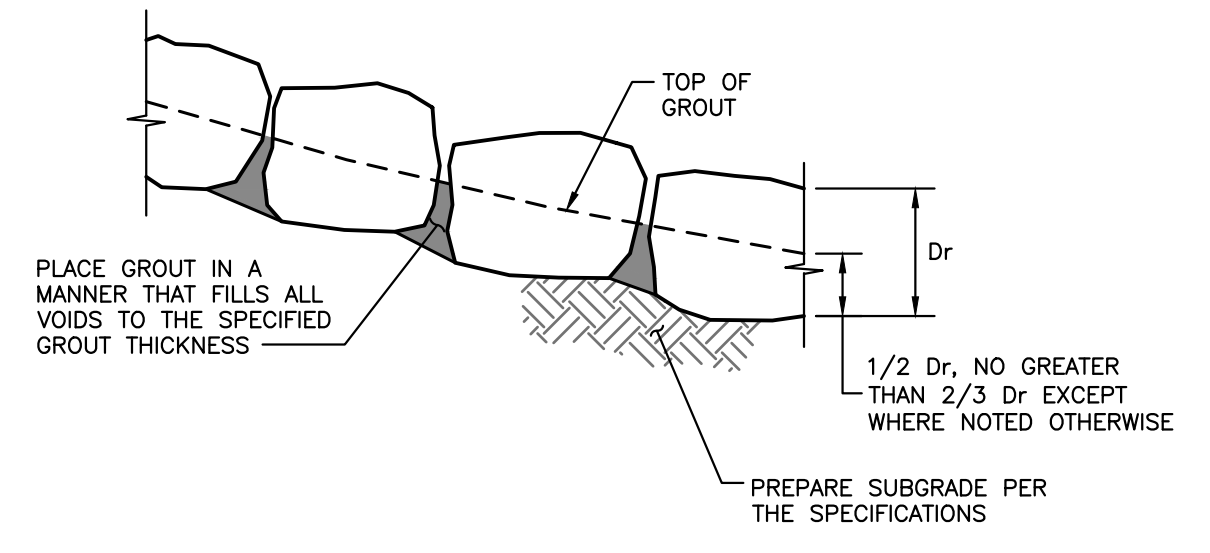
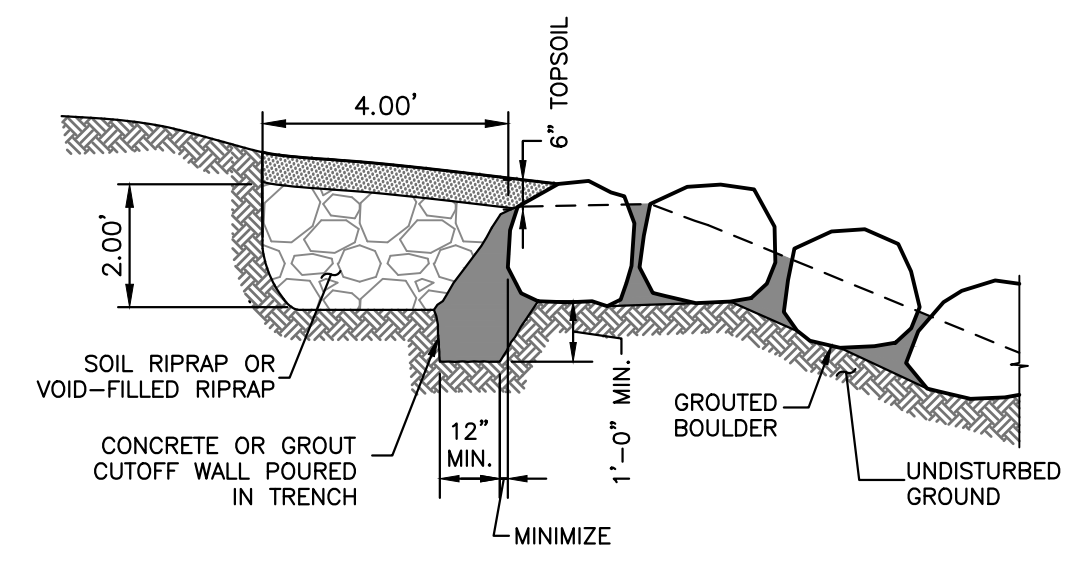
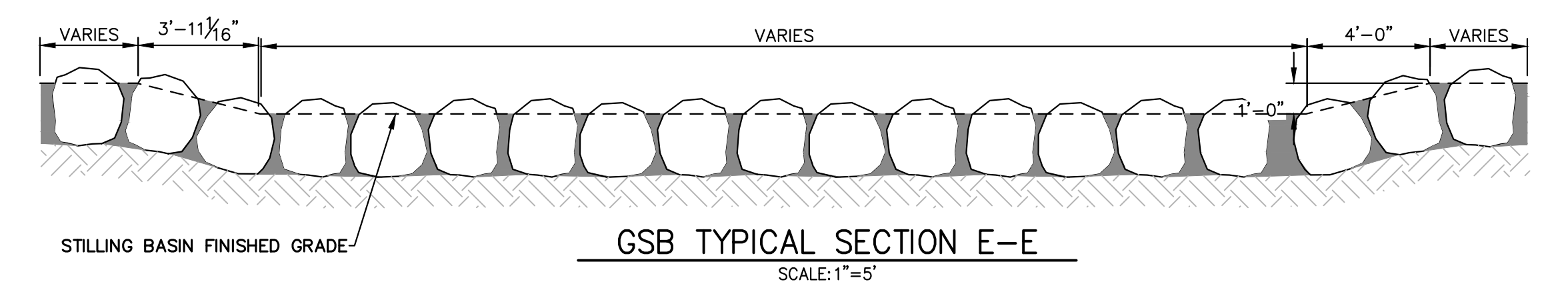
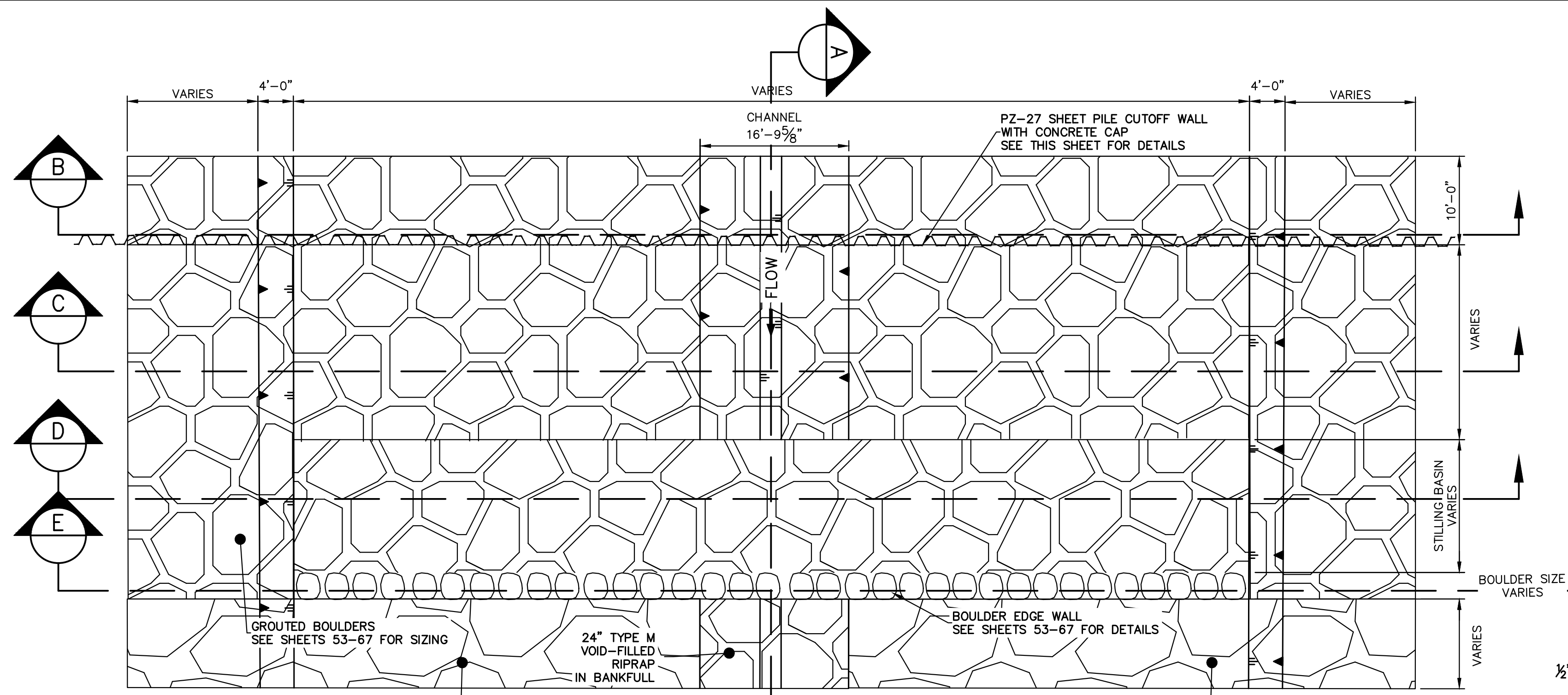
811
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ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23

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
	BY	DATE
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
		H-SCALE
SAND CREEK RESTORATION	V-SCALE	N/A
	DATE	4/18/23
POND PLANS	DESIGNED BY	DJV
	DRAWN BY	NEO
SHEET 51 OF 121	CHECKED BY	
JOB NO.	25188.04	

X:\25188\04\Drawings\Sheet\Drawings\SRMD Pond Plans\25188.04 Stilling Basin Pond 2 (2).4/17/2023 9:49:28 PM, vjrhjd



NOTE: INSTALL WEEP DRAINS FOR DROPS AND WALLS 5' AND GREATER AT 10' O.C. AT ELEVATIONS AND LOCATIONS SHOWN ON THE DRAWINGS

- BOULDER PLACEMENT NOTES:**
1. PLACE BOULDERS WITH THE REQUIRED BOULDER HEIGHT VERTICAL. PLACE BOULDERS AS TIGHTLY TOGETHER AS POSSIBLE (WITHOUT TOUCHING) WHILE PROVIDING ENOUGH ROOM BETWEEN THEM TO THOROUGHLY VIBRATE THE GROUT AND TO ENSURE NO GAPS IN THE GROUT. THE SMALL DIMENSION OF A 2x4 CAN BE USED AS A GUIDE TO CHECK MINIMUM SPACING.
 2. BEFORE GROUTING, CLEAN ALL DIRT AND MATERIAL FROM ROCK THAT COULD PREVENT THE GROUT FROM BINDING TO THE ROCK. KEEP BOULDERS FROM TOUCHING. AVOID SLIDING BOULDERS AGAINST SUBGRADE TO PROPERLY POSITION.
- MATERIAL SPECIFICATIONS:**
1. ALL GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH EQUAL TO 3200 PSI.
 2. ONE CUBIC YARD OF GROUT SHALL HAVE A MINIMUM OF SIX (6) SACKS OF TYPE II PORTLAND CEMENT.
 3. A MAXIMUM OF 25% TYPE F FLY ASH MAY BE SUBSTITUTED FOR THE PORTLAND CEMENT.
 4. THE AGGREGATE SHALL BE COMPRISED OF 70% NATURAL SAND (FINES) AND 30% 3/4-INCH ROCK (COARSE).
 5. THE GROUT SLUMP SHALL BE BETWEEN 4-INCHES TO 6-INCHES.
 6. AIR ENTRAINMENT SHALL BE BETWEEN 5.5% AND 7.5%.
 7. TO CONTROL SHRINKAGE AND CRACKING, 1.5 POUNDS OF FIBERMESH, OR EQUIVALENT, SHALL BE USED PER CUBIC YARD OF GROUT.
 8. COLOR ADDITIVE IN REQUIRED AMOUNTS SHALL BE USED WHEN SO SPECIFIED BY CONTRACT.
- GROUT PLACEMENT SPECIFICATIONS:**
1. SPECIAL PROCEDURES SHALL BE REQUIRED FOR GROUT PLACEMENT WHEN THE AIR TEMPERATURES ARE LESS THAN 40°F OR GREATER THAN 90°F. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM THE DESIGN ENGINEER OF THE PROCEDURES TO BE USED FOR PROTECTING THE GROUT.
 2. GROUT SHALL BE DELIVERED BY MEANS OF A LOW PRESSURE (LESS THAN 10 PSI) GROUT PUMP USING A 2-INCH DIAMETER (MAXIMUM) NOZZLE.
 3. FULL DEPTH PENETRATION OF THE GROUT INTO THE BOULDER VOIDS SHALL BE ACHIEVED BY INJECTING GROUT STARTING WITH THE NOZZLE NEAR THE BOTTOM AND RAISING IT AS THE GROUT FILLS, WHILE VIBRATING GROUT INTO PLACE USING A PENCIL VIBRATOR.
 4. ALL GROUT BETWEEN BOULDERS SHALL BE TREATED WITH A BROOM FINISH.
 5. AFTER GROUT PLACEMENT, EXPOSED BOULDER FACES SHALL BE CLEANED AND FREE OF GROUT.
 6. ALL FINISHED GROUT SURFACES SHALL BE SPRAYED WITH A CLEAR LIQUID MEMBRANE CURING COMPOUND AS SPECIFIED IN ASTM C309.

- GROUTED BOULDER NOTES:**
1. BOULDERS USED FOR GROUTING SHOULD MEET ALL THE PROPERTIES OF ROCK FOR ORDINARY RIPRAP, AND ROCK OF UNIFORM SIZE SHOULD BE USED.
 2. ROCK SHALL BE HARD, DURABLE, AND FREE FROM CRACKS, OVERBURDEN, SHALE, AND ORGANIC MATTER.
 3. GROUDED BOULDERS SHALL BE PLACED DIRECTLY ON STABILIZED, COMPACTED SUBGRADE WITHOUT GRANULAR BEDDING.
 4. THE TOP ONE-THIRD OF THE BOULDERS SHALL BE LEFT UNGROUTED AND EXPOSED.
 5. ROCK HAVING A MINIMUM SPECIFIC GRAVITY OF 2.65 IS PREFERRED; HOWEVER, IN NO CASE SHALL ROCK HAVE A SPECIFIC GRAVITY LESS THAN 2.50.
 6. WEEP HOLES SHALL BE PROVIDED AT THE CHANNEL SLOPES AND CHANNEL DROPS AS SHOWN TO REDUCE UPLIFT FORCES ON THE GROUDED CHANNEL LINING.
 7. PLACEMENT AND GROUTING OF BOULDERS SHALL GENERALLY CONFORM TO THE SPECIFICATIONS AND DETAILS FOR GROUDED BOULDER DROPS. SEE DETAILS AND NOTES FOR GROUDED BOULDER DROPS ON THIS SHEET.
 8. BOULDERS SHALL BE SET IN A STEPPED MANNER. BOULDERS SHALL NOT BE ORIENTED INTO A SMOOTH SLOPING FACE.
 9. BOULDERS SHALL BE GROUDED TO 3/8 THE ROCK HEIGHT.
 10. BOULDERS OF DIFFERENT SOURCES AND/OR COLORS SHALL BE MIXED WITH THE OTHER ROCK AND EVENLY DISPERSED THROUGHOUT THE PROJECT TO AVOID HAVING AREAS OF NON-UNIFORMITY.
 11. THE BOULDER SIZES SHOWN ON THE PLANS ARE MINIMUM DIMENSIONS. LARGER ROCK MAY BE SUBSTITUTED AS LONG AS THE TOP OF BOULDER ELEVATIONS SHOWN ON THE PLANS ARE MET AND THE MINIMUM OVER-EXCAVATION REQUIREMENTS ARE MET AT EACH BOULDER LOCATION.

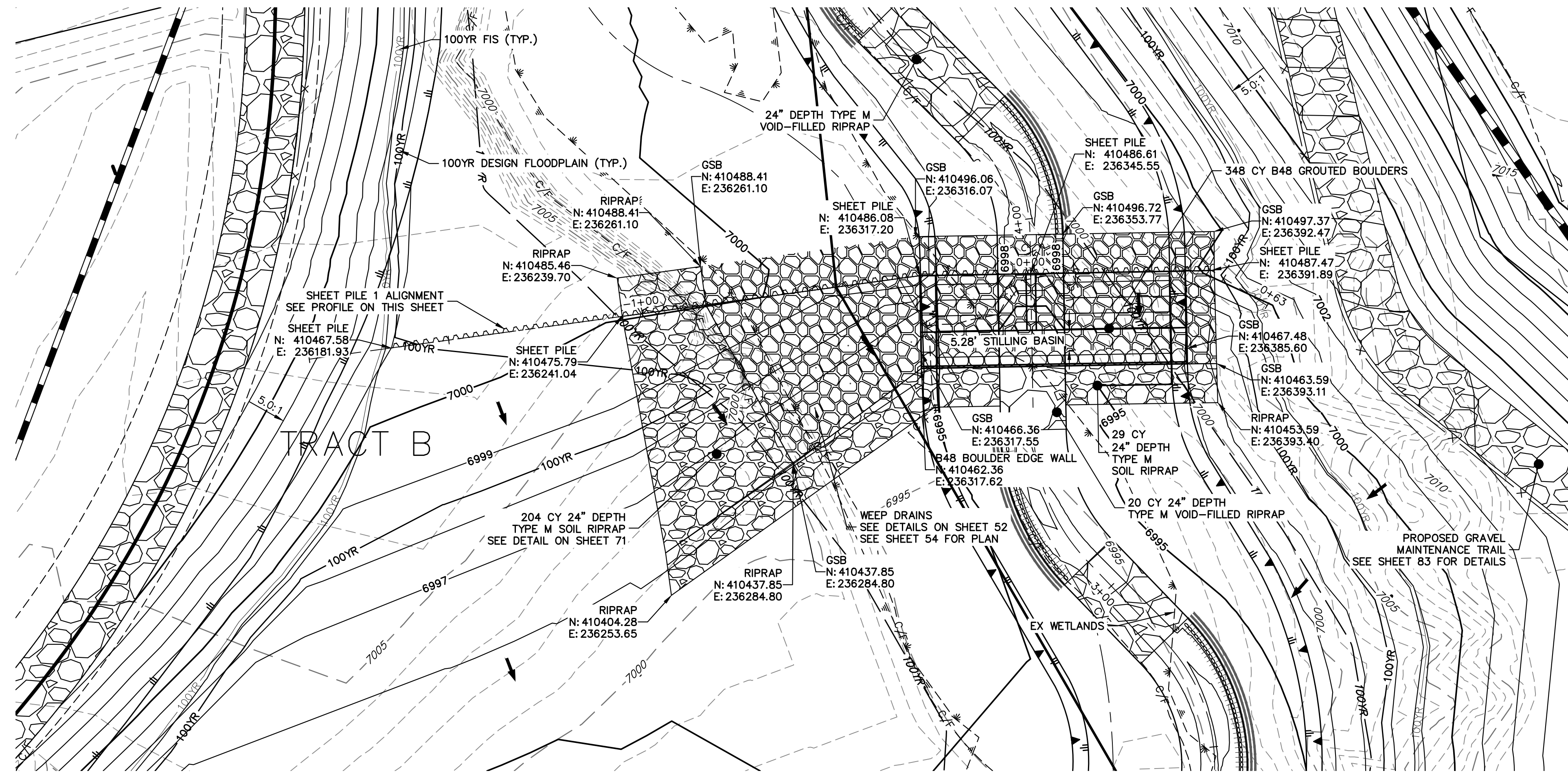
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
32314
DATE 4/18/23

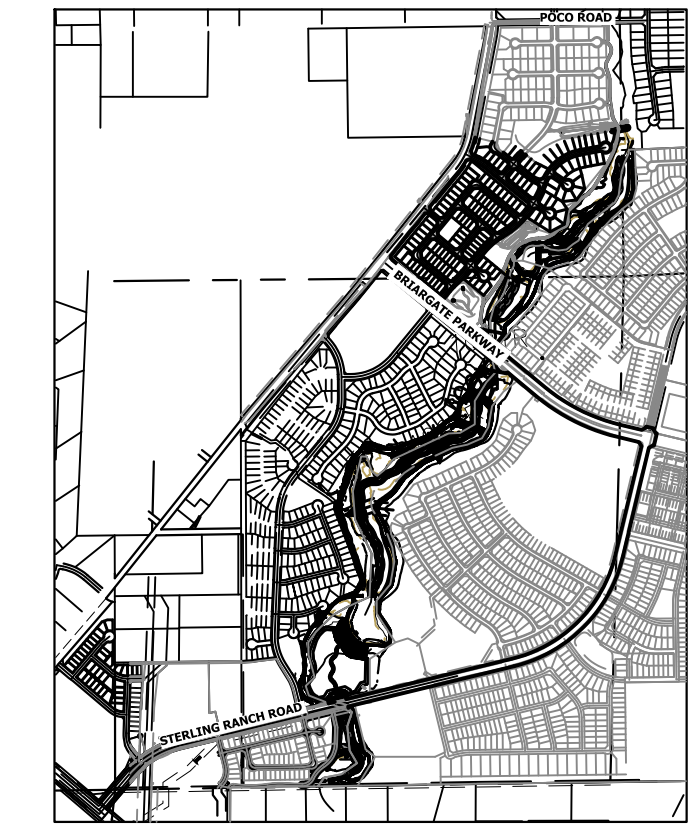
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING



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BY	DATE	REVISION		
H-SCALE	V-SCALE	AS SHOWN	AS SHOWN	DATE
				4/18/23
DESIGNED BY	DJV	NEO		
DRAWN BY				
CHECKED BY				
SAND CREEK RESTORATION				
GSB DETAILS				
ENGINEER'S STATEMENT				
PREPARED UNDER MY DIRECT SUPERVISION				
Mike Bramlett				
32314				
DATE 4/18/23				
MIKE A. BRAMLETT, P.E.				
COLORADO P.E. 32314				
FOR AND ON BEHALF OF JR ENGINEERING				
SHEET 52 OF 121				
JOB NO. 25188.04				

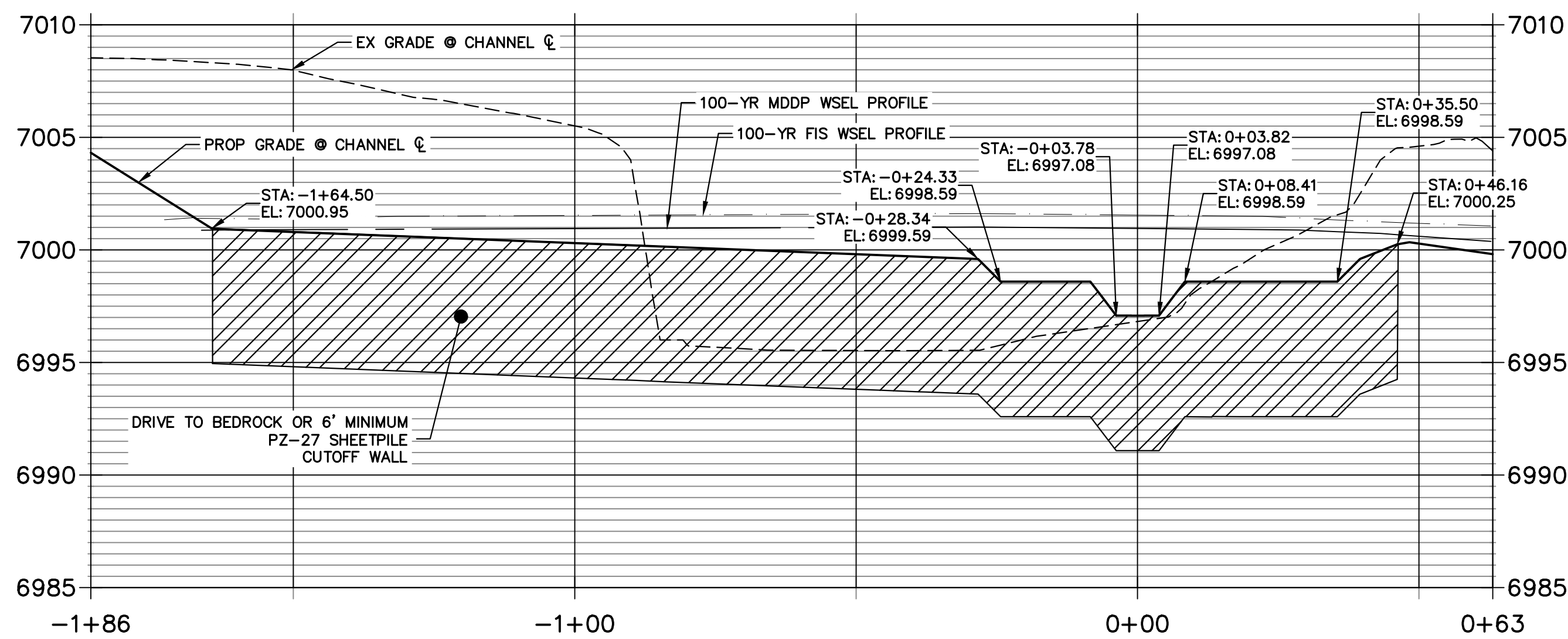


GRouted STEPPED BOULDER DROP #1 DETAIL
PLAN VIEW
 SCALE: 1"=20"

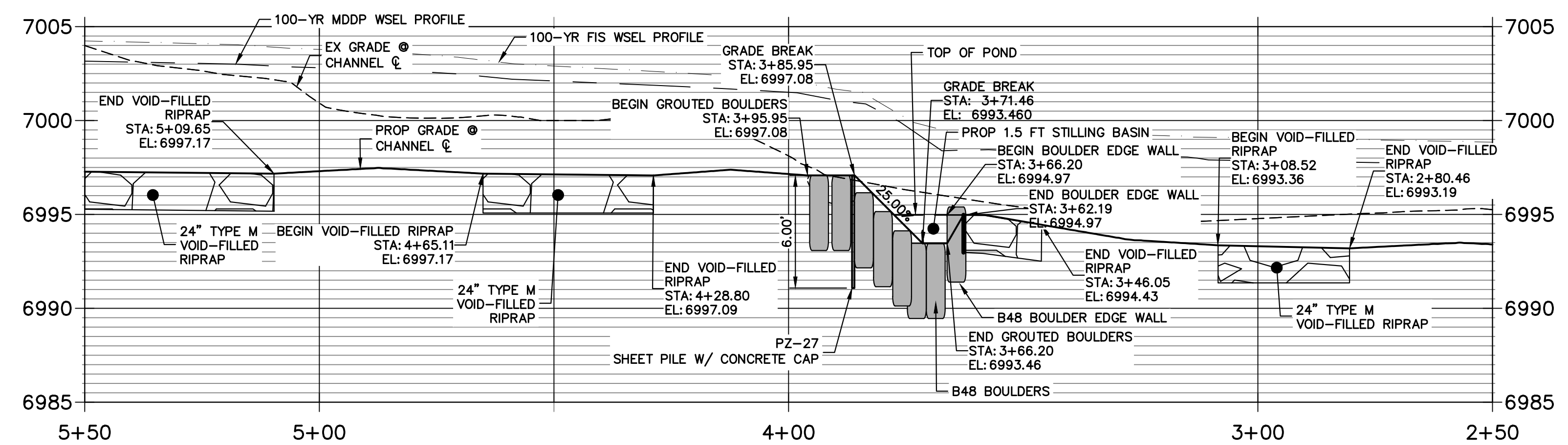


KEY MAP
 SCALE: 1"=2000'

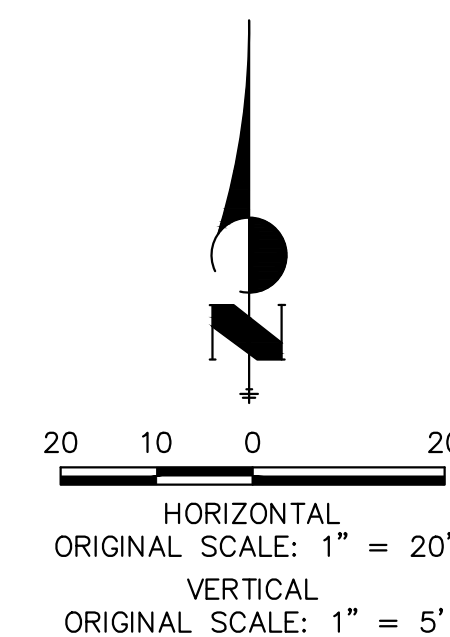
GSB 1 SHEET PILE PROFILE
STA -1+85.99 TO 0+63.12



GSB DETAIL 1
STA 2+50.00 TO 5+50.00



- NOTE**
- SEE TYPICAL GSB DETAILS ON SHEET 52
 - DRIVE SHEET PILE THROUGH BEDROCK OR MINIMUM OF 6 FEET.
 - SHEET PILE ELEVATIONS ARE AT TOP OF CONCRETE CAP.
 - NO GRADING OR CONSTRUCTION ACTIVITIES ON PRIVATE PROPERTY




ENGINEER'S STATEMENT

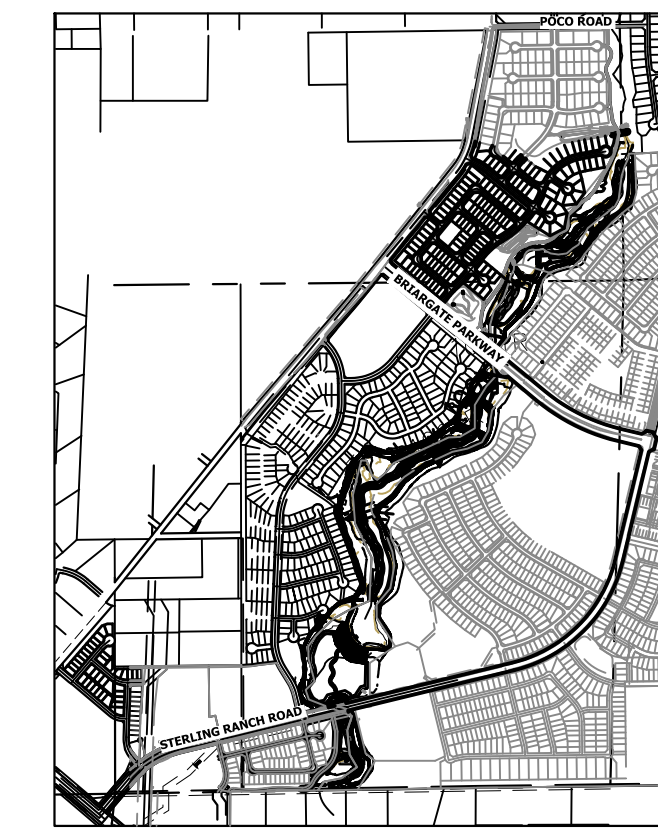
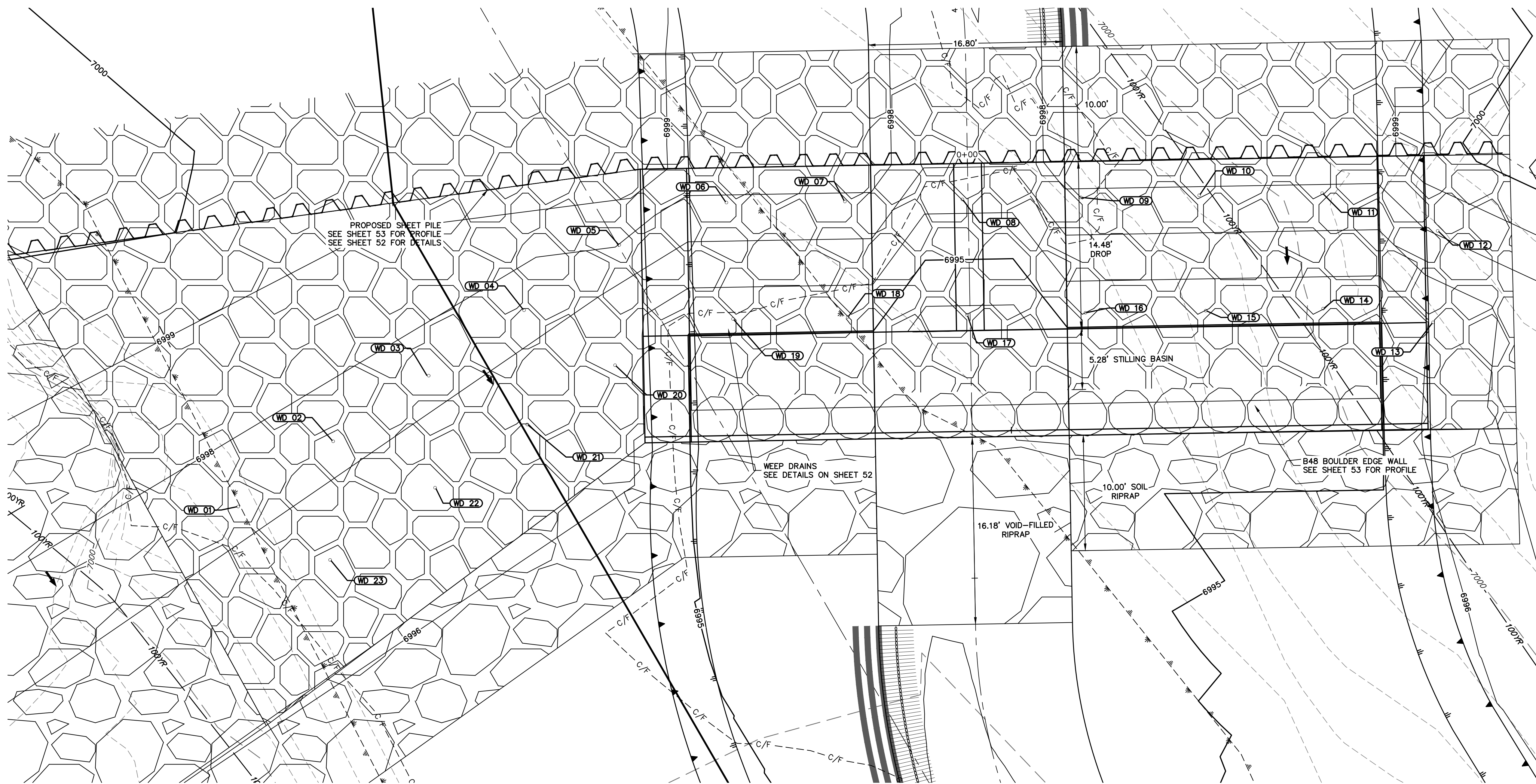
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Mike Bramlett

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

DATE: 4/18/23

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, JR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.	
	J.R. ENGINEERING A Westman Company  Centennial 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	SAND CREEK RESTORATION GSB DETAILS
BY: _____ DATE: _____ BY: _____ DATE: _____ BY: _____ DATE: _____ BY: _____ DATE: _____	No. REVISION: _____ H-SCALE 1"=20' V-SCALE 1"=5' DATE 4/18/23 DESIGNED BY DV DRAWN BY NEO CHECKED BY _____	SHEET 53 OF 121 JOB NO. 25188.04

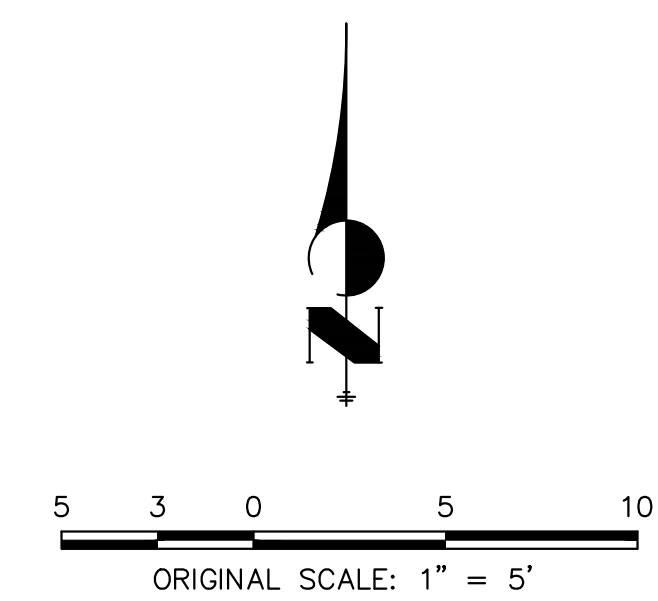


KEY MAP
SCALE: 1"=2000'

GSB01 WEEP DRAINS PLAN VIEW
SCALE: 1"=5'

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 01	WEEP DRAIN	N: 410456.84 E: 236282.37	6997.36
WD 02	WEEP DRAIN	N: 410462.49 E: 236290.60	6997.44
WD 03	WEEP DRAIN	N: 410468.11 E: 236298.80	6997.46
WD 04	WEEP DRAIN	N: 410473.85 E: 236307.14	6997.46
WD 05	WEEP DRAIN	N: 410479.51 E: 236315.39	6997.97
WD 06	WEEP DRAIN	N: 410483.18 E: 236324.67	6997.84
WD 07	WEEP DRAIN	N: 410483.27 E: 236334.93	6997.81
WD 08	WEEP DRAIN	N: 410483.45 E: 236345.11	6996.30
WD 09	WEEP DRAIN	N: 410483.63 E: 236355.37	6997.81
WD 10	WEEP DRAIN	N: 410483.81 E: 236365.63	6997.81
WD 11	WEEP DRAIN	N: 410484.00 E: 236376.28	6997.81
WD 12	WEEP DRAIN	N: 410480.72 E: 236386.28	6998.09

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 13	WEEP DRAIN	N: 410472.80 E: 236385.88	6996.07
WD 14	WEEP DRAIN	N: 410473.99 E: 236376.36	6995.31
WD 15	WEEP DRAIN	N: 410473.81 E: 236366.19	6995.31
WD 16	WEEP DRAIN	N: 410473.63 E: 236355.77	6995.31
WD 17	WEEP DRAIN	N: 410473.45 E: 236345.51	6993.80
WD 18	WEEP DRAIN	N: 410473.27 E: 236335.18	6995.31
WD 19	WEEP DRAIN	N: 410473.10 E: 236325.24	6995.31
WD 20	WEEP DRAIN	N: 410469.09 E: 236315.02	6996.52
WD 21	WEEP DRAIN	N: 410463.95 E: 236307.41	6996.53
WD 22	WEEP DRAIN	N: 410458.47 E: 236299.43	6996.53
WD 23	WEEP DRAIN	N: 410452.21 E: 236290.33	6996.63



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

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No.	REVISION	BY	DATE	1"=5'		DESIGNED BY	DRAWN BY	CHECKED BY
				H-SCALE	V-SCALE			
				N/A	N/A	4/18/23	DV	NEO

SAND CREEK RESTORATION
GSB DETAILS

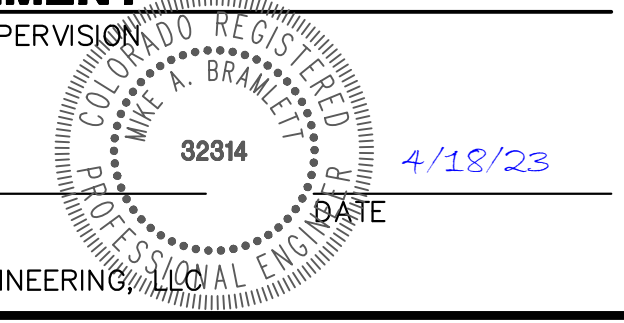
SHEET 54 OF 121
JOB NO. 25188.04



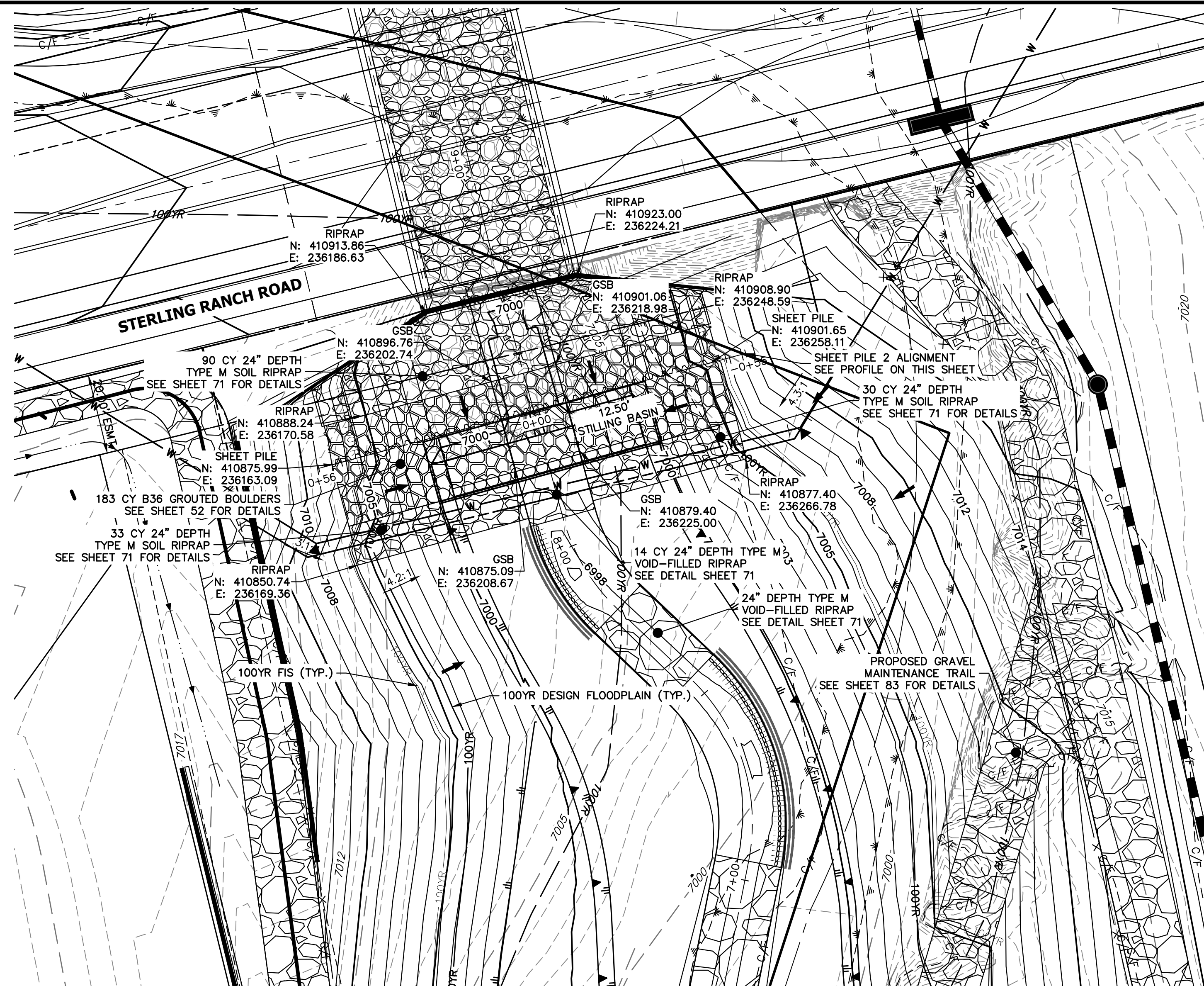
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PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, INC.
DATE: 4/18/23

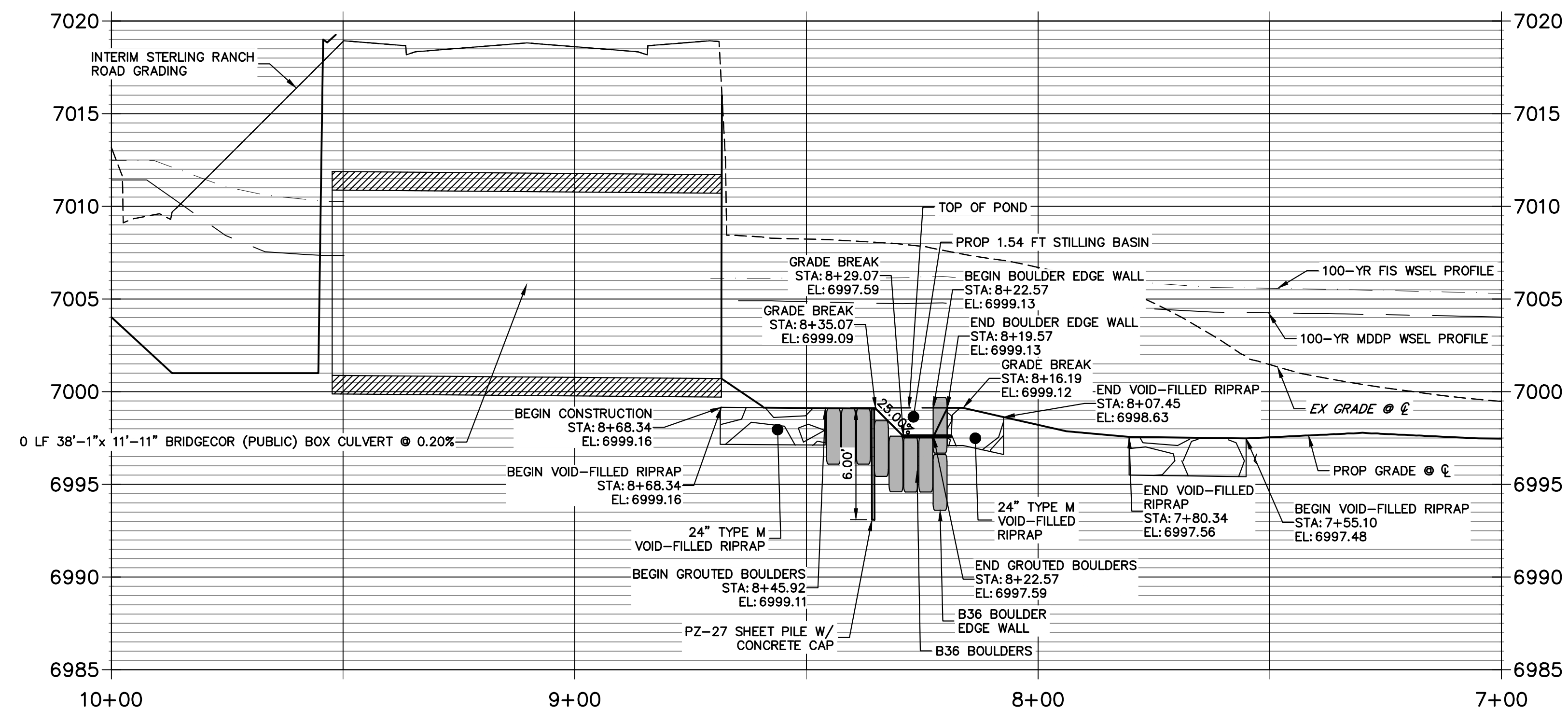


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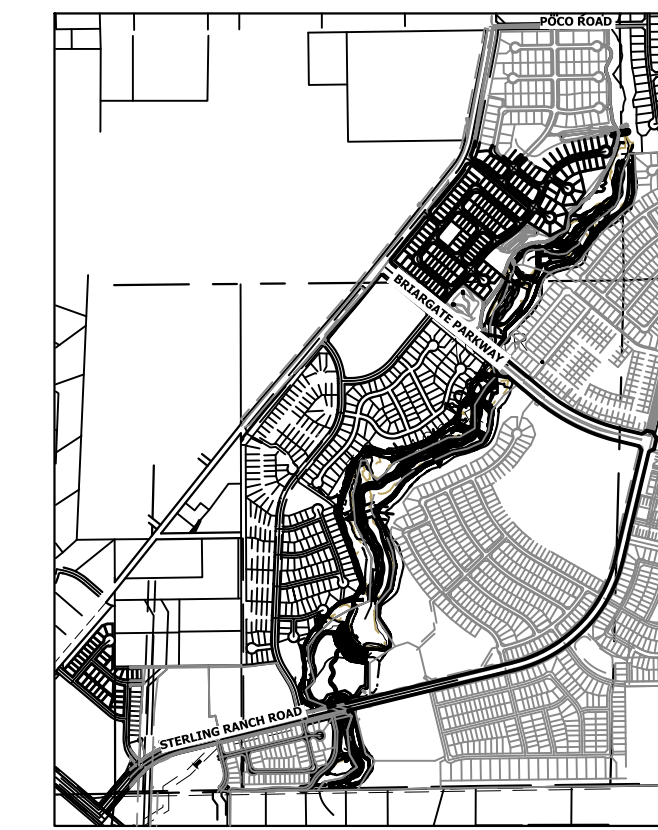
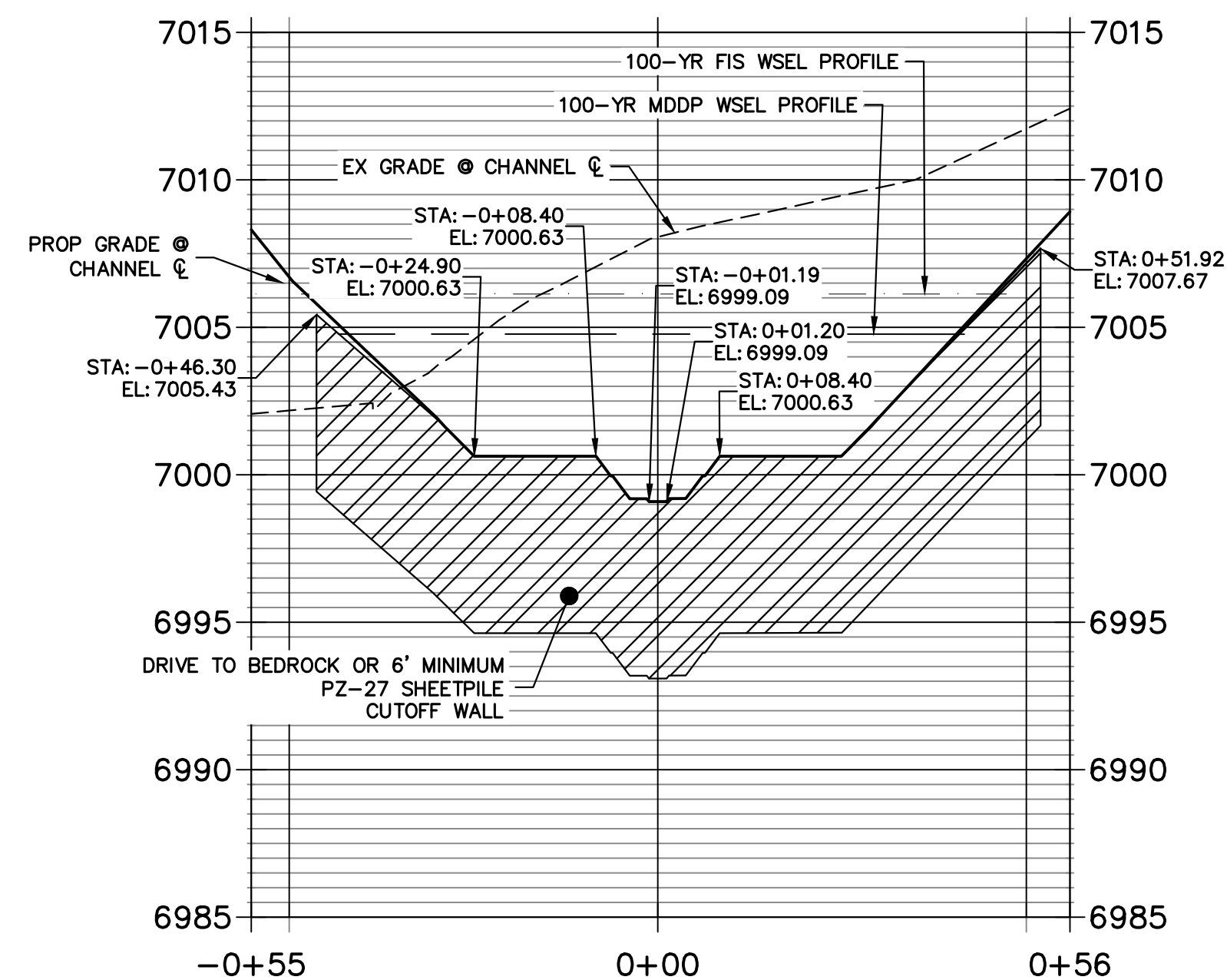


GRouted STEPPED BOULDER DROP #2 DETAIL
PLAN VIEW
SCALE: 1"=20'

GSB PROFILE 2
STA 7+00.00 TO 10+00.00



GSB 2 SHEET PILE PROFILE
STA -0+55.15 TO 0+55.91



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


J.R. ENGINEERING
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BY	DATE	NO.	REVISION

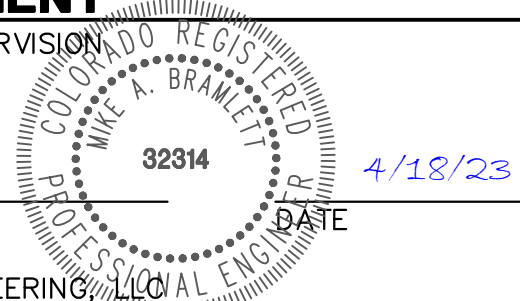
SAND CREEK RESTORATION
GSB DETAILS

H-SCALE 1"=20'
V-SCALE 1"=5'
DATE 4/18/23
DESIGNED BY DV
DRAWN BY NEO
CHECKED BY

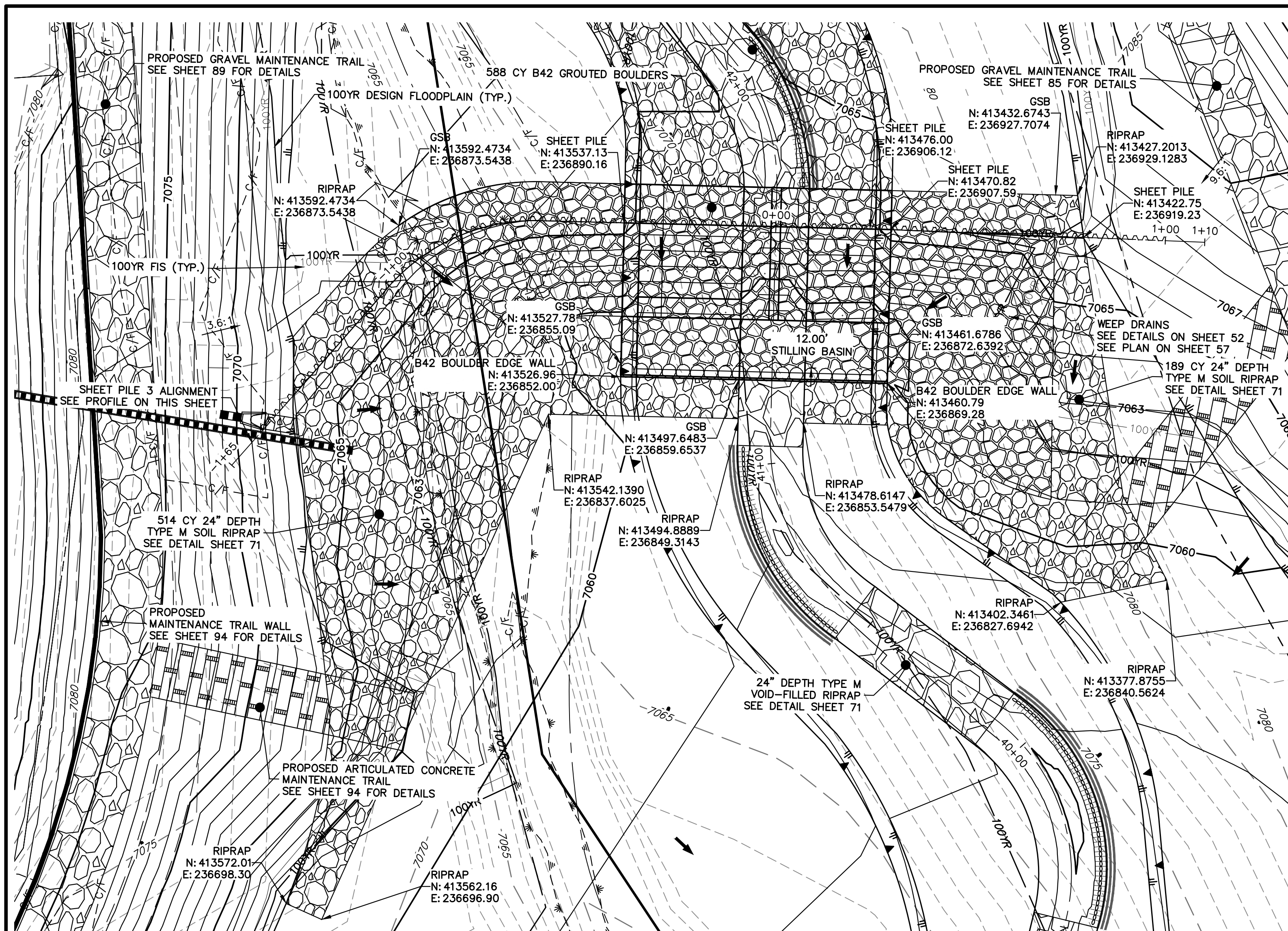

20 10 0 20
HORIZONTAL ORIGINAL SCALE: 1" = 20'
VERTICAL ORIGINAL SCALE: 1" = 5'


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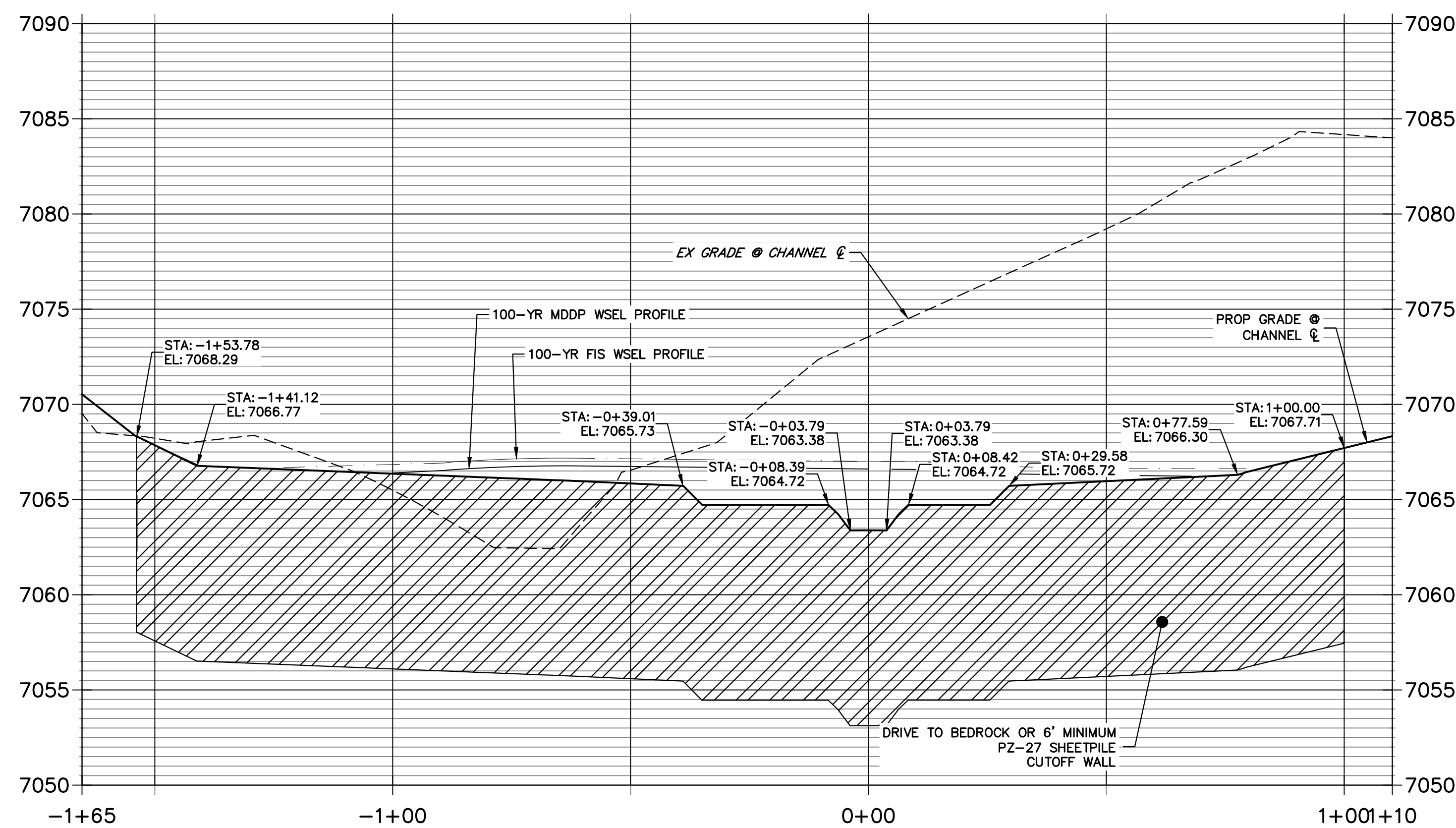

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

4/18/23

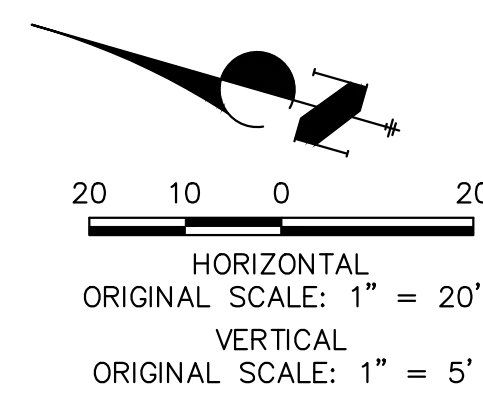
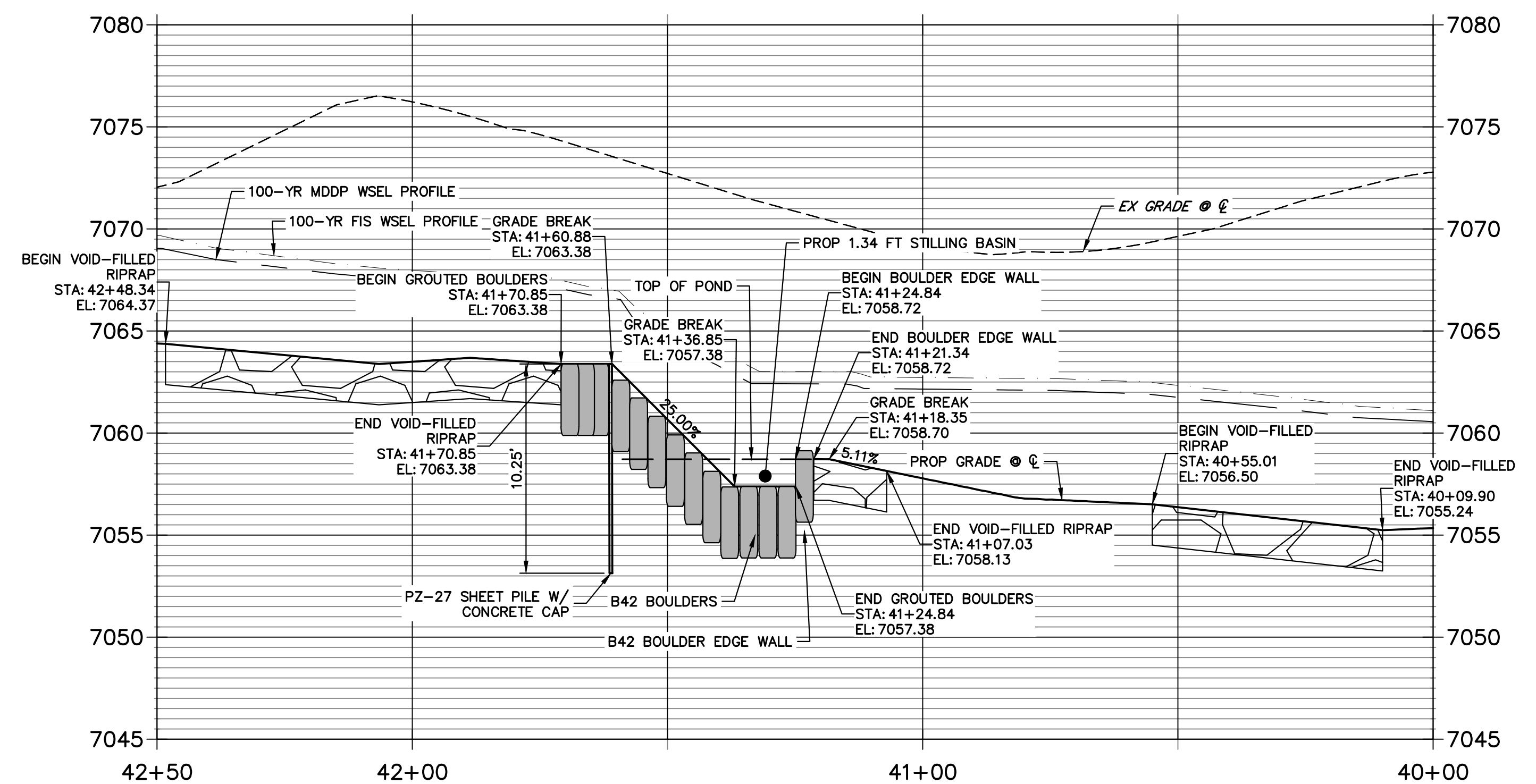


GROUDED STEPPED BOULDER DROP #3 DETAIL
PLAN VIEW
SCALE: 1"=20'

**GSB 3 SHEET PILE PROFILE
STA -1+65.30 TO 1+10.11**



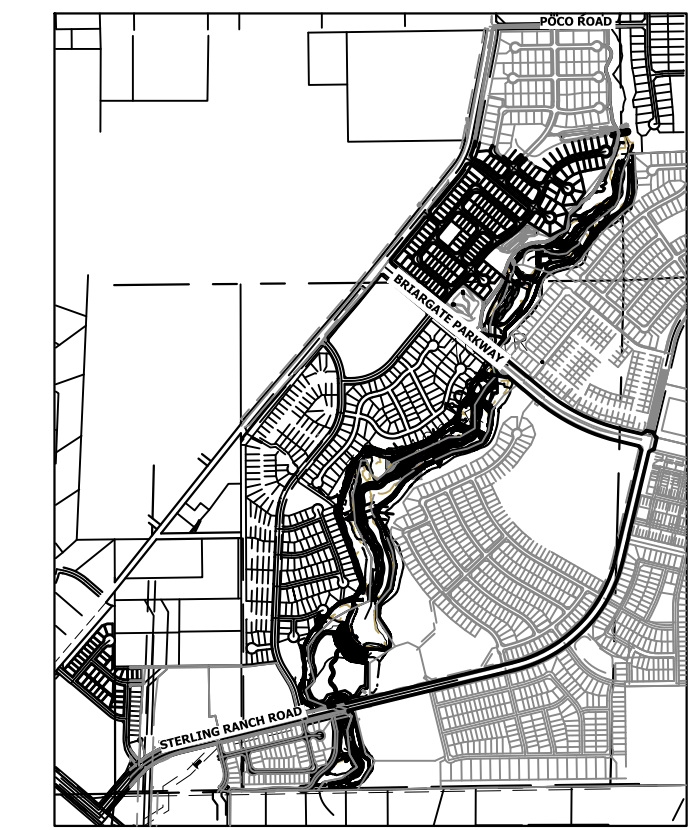
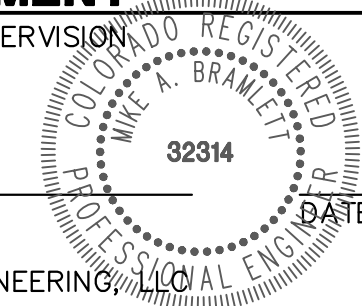
**GSB PROFILE 3
STA 40+00.00 TO 42+50.00**



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



KEY MAP
SCALE: 1"=2000'

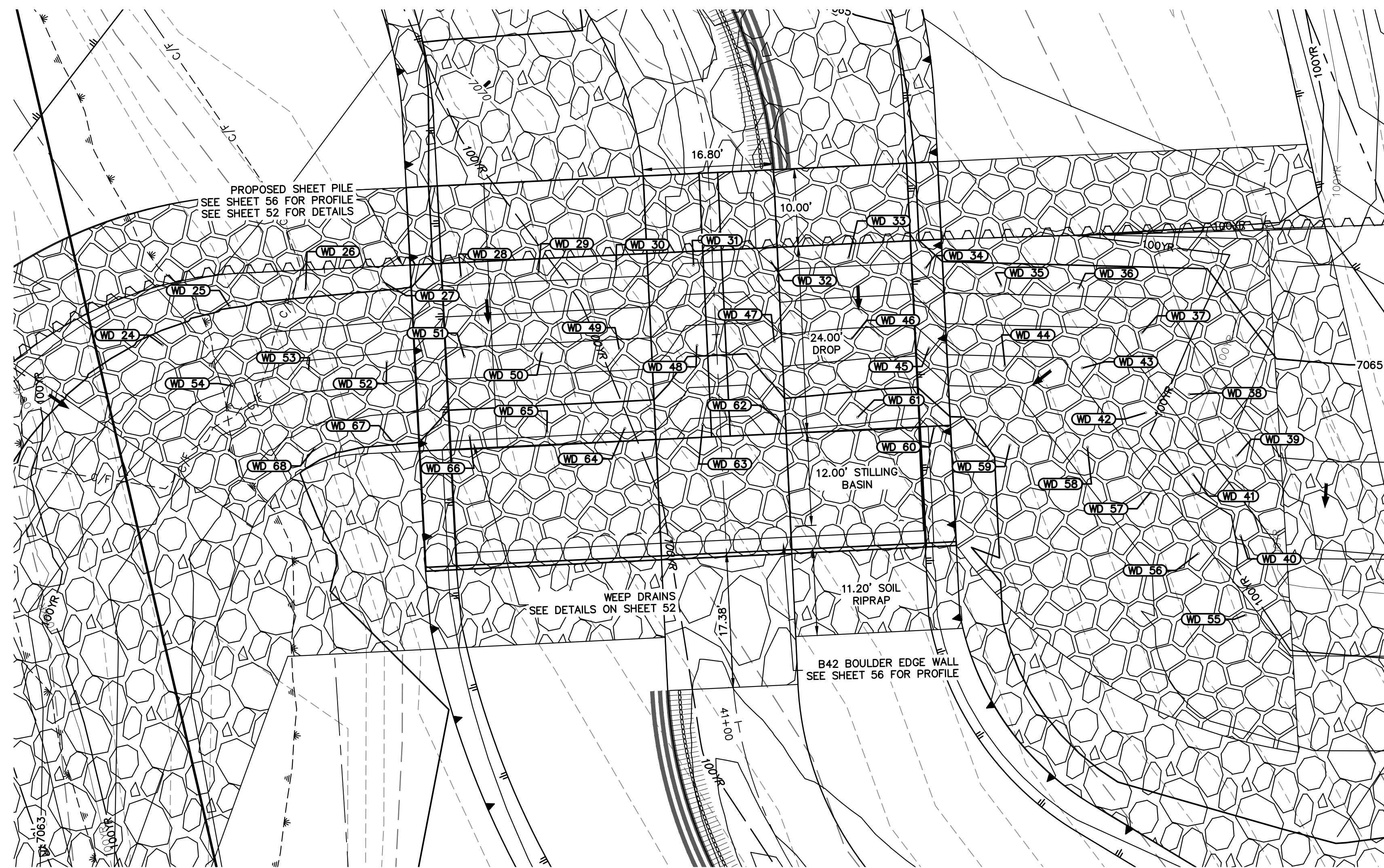
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.

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

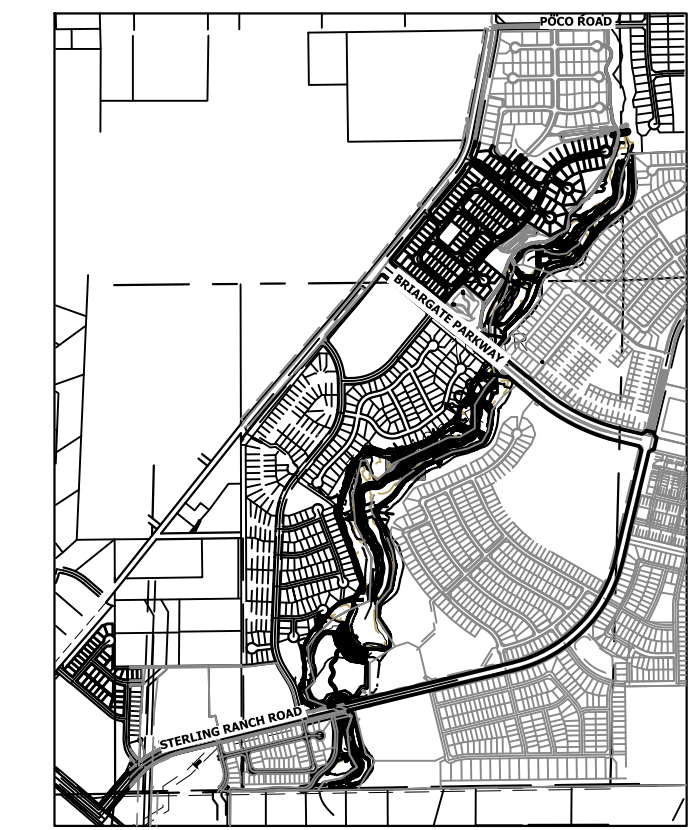
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A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE	REVISION

SAND CREEK RESTORATION	H-SCALE 1"=20'	V-SCALE 1"=5'	DATE 3/30/23	DESIGNED BY DV	DRAWN BY NEO	CHECKED BY
	GSB DETAILS					
	SHEET 56 OF 121					
	JOB NO. 25188.04					



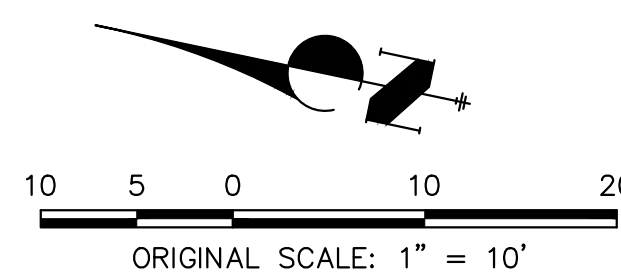
GSB03 WEEP DRAINS PLAN VIEW
SCALE: 1"=10'



POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 24	WEEP DRAIN	N: 413566.16 E: 236873.55	7064.66
WD 25	WEEP DRAIN	N: 413558.73 E: 236880.22	7065.06
WD 26	WEEP DRAIN	N: 413549.62 E: 236884.33	7065.26
WD 27	WEEP DRAIN	N: 413540.02 E: 236887.35	7065.27
WD 28	WEEP DRAIN	N: 413530.39 E: 236890.05	7064.27
WD 29	WEEP DRAIN	N: 413520.71 E: 236892.57	7064.27
WD 30	WEEP DRAIN	N: 413511.04 E: 236895.10	7064.27
WD 31	WEEP DRAIN	N: 413501.36 E: 236897.63	7062.93
WD 32	WEEP DRAIN	N: 413491.69 E: 236900.15	7064.05
WD 33	WEEP DRAIN	N: 413482.01 E: 236902.67	7064.26
WD 34	WEEP DRAIN	N: 413472.04 E: 236903.43	7064.26
WD 35	WEEP DRAIN	N: 413462.04 E: 236903.18	7064.27
WD 36	WEEP DRAIN	N: 413452.20 E: 236904.97	7064.27
WD 37	WEEP DRAIN	N: 413443.03 E: 236900.99	7063.40
WD 38	WEEP DRAIN	N: 413435.43 E: 236894.49	7063.40

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 39	WEEP DRAIN	N: 413427.84 E: 236887.98	7063.40
WD 40	WEEP DRAIN	N: 413425.24 E: 236878.00	7062.59
WD 41	WEEP DRAIN	N: 413432.84 E: 236884.50	7062.59
WD 42	WEEP DRAIN	N: 413440.43 E: 236891.01	7062.59
WD 43	WEEP DRAIN	N: 413449.61 E: 236894.98	7062.18
WD 44	WEEP DRAIN	N: 413459.45 E: 236893.19	7061.69
WD 45	WEEP DRAIN	N: 413469.44 E: 236893.45	7061.68
WD 46	WEEP DRAIN	N: 413479.42 E: 236892.68	7061.69
WD 47	WEEP DRAIN	N: 413489.09 E: 236890.17	7061.48
WD 48	WEEP DRAIN	N: 413498.77 E: 236887.64	7060.35
WD 49	WEEP DRAIN	N: 413508.45 E: 236885.12	7061.69
WD 50	WEEP DRAIN	N: 413518.12 E: 236882.59	7061.69
WD 51	WEEP DRAIN	N: 413527.80 E: 236880.06	7061.69
WD 52	WEEP DRAIN	N: 413537.42 E: 236877.36	7062.68
WD 53	WEEP DRAIN	N: 413547.03 E: 236874.34	7062.71

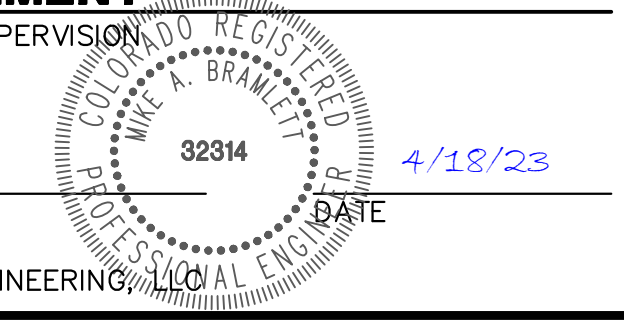
POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 54	WEEP DRAIN	N: 413556.14 E: 236870.24	7062.93
WD 55	WEEP DRAIN	N: 413422.47 E: 236868.15	7061.81
WD 56	WEEP DRAIN	N: 413430.07 E: 236874.66	7061.81
WD 57	WEEP DRAIN	N: 413437.66 E: 236881.16	7061.81
WD 58	WEEP DRAIN	N: 413446.84 E: 236885.14	7061.40
WD 59	WEEP DRAIN	N: 413456.68 E: 236883.34	7060.34
WD 60	WEEP DRAIN	N: 413466.67 E: 236883.60	7059.20
WD 61	WEEP DRAIN	N: 413476.64 E: 236882.84	7059.20
WD 62	WEEP DRAIN	N: 413486.32 E: 236880.32	7059.07
WD 63	WEEP DRAIN	N: 413496.00 E: 236877.80	7057.79
WD 64	WEEP DRAIN	N: 413505.67 E: 236875.27	7059.13
WD 65	WEEP DRAIN	N: 413515.35 E: 236872.74	7059.14
WD 66	WEEP DRAIN	N: 413525.03 E: 236870.22	7059.14
WD 67	WEEP DRAIN	N: 413534.65 E: 236867.52	7060.12
WD 68	WEEP DRAIN	N: 413544.26 E: 236864.50	7060.37



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
MIKE A. BRAMLETT, P.E.
32314



DATE 4/18/23
FOR AND ON BEHALF OF JR ENGINEERING, LLC

SAND CREEK RESTORATION
GSB DETAILS

SHEET 57 OF 121
JOB NO. 25188.04

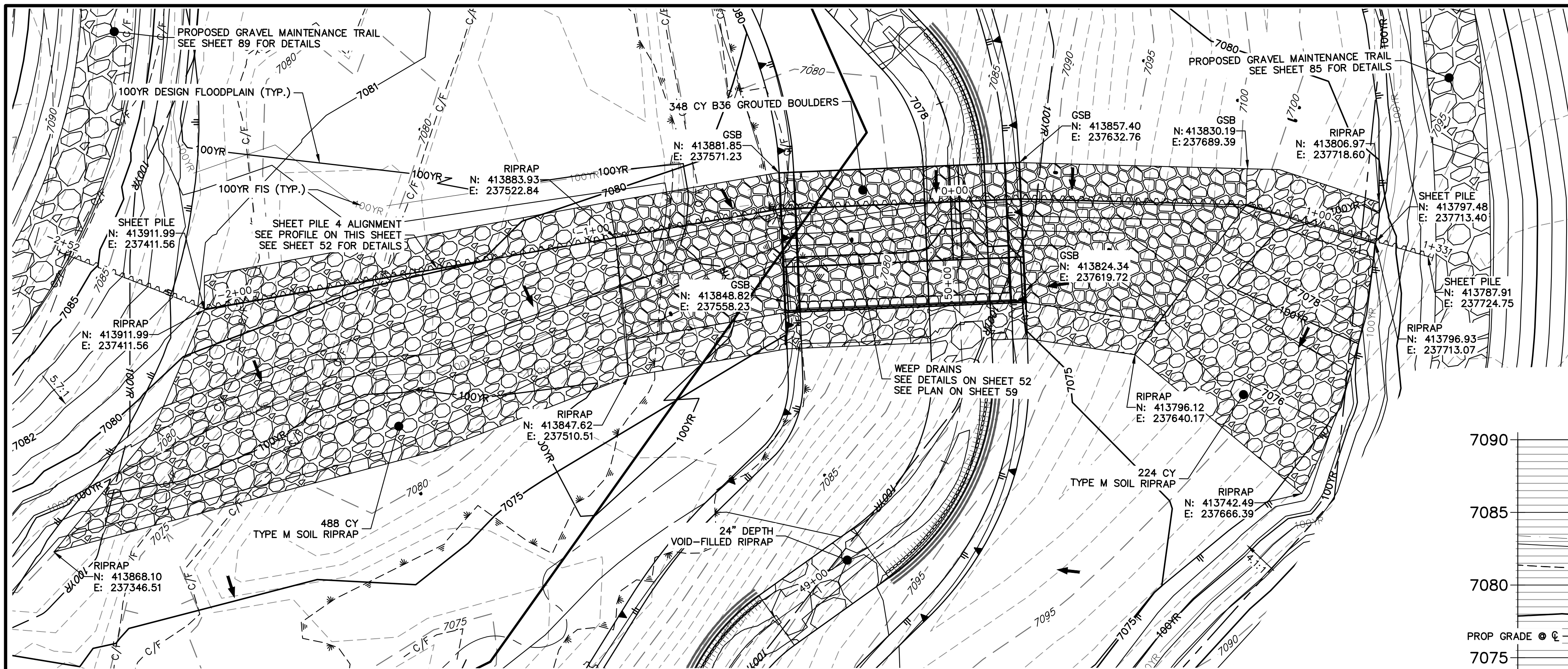
No.	REVISION	BY	DATE	1"=10'		
				H-SCALE	V-SCALE	N/A

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

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

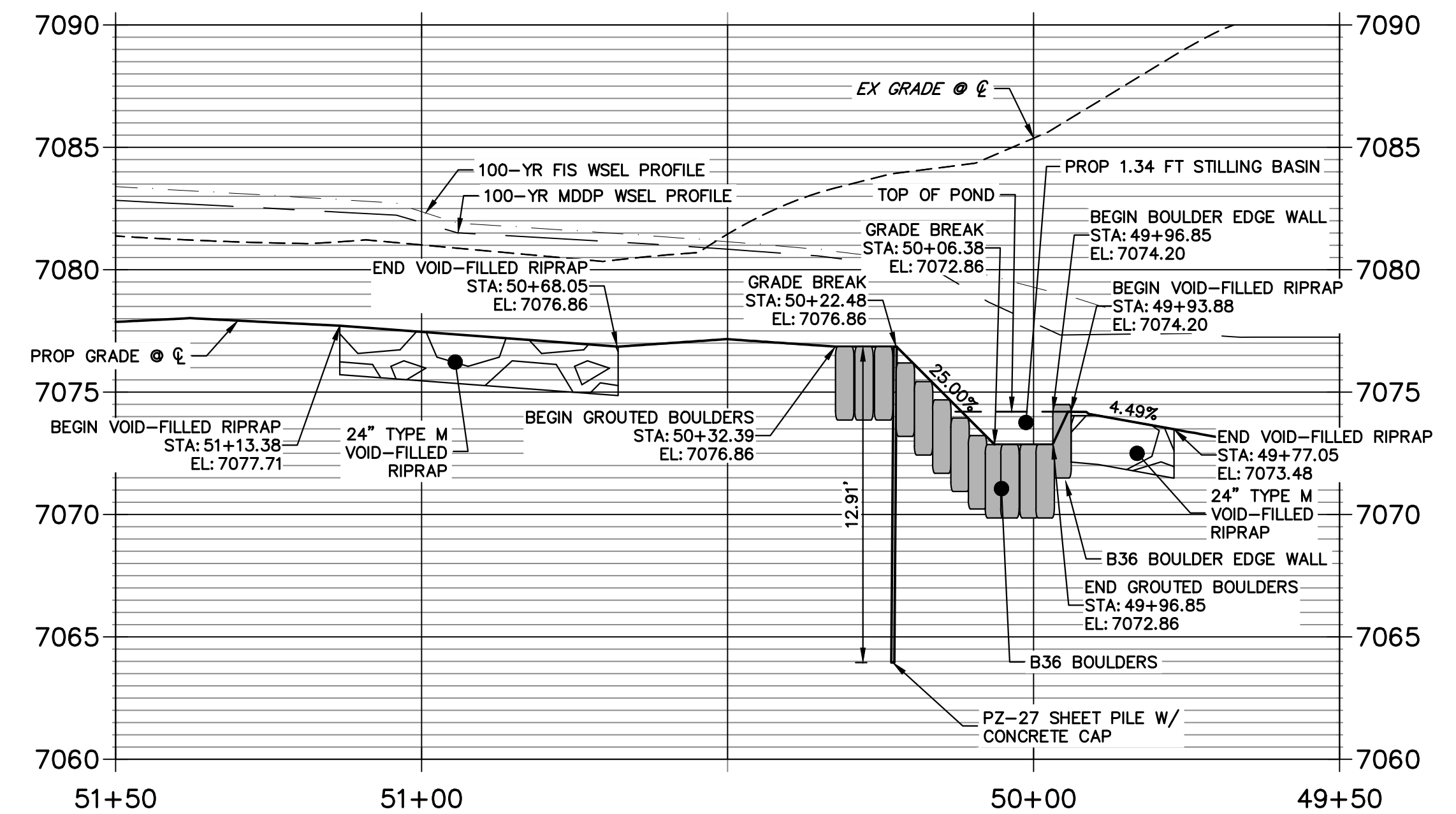
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THESE DRAWINGS ARE
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APPROPRIATE REVIEWING
AGENCIES, OR ENGINEERING
APPROVES THEIR USE,
THESE DRAWINGS ARE
DESIGNATED BY WRITTEN
AUTHORIZATION.

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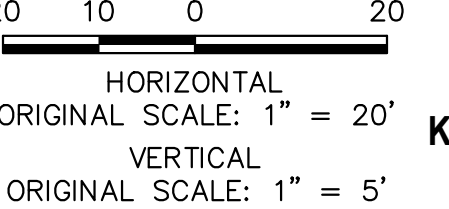
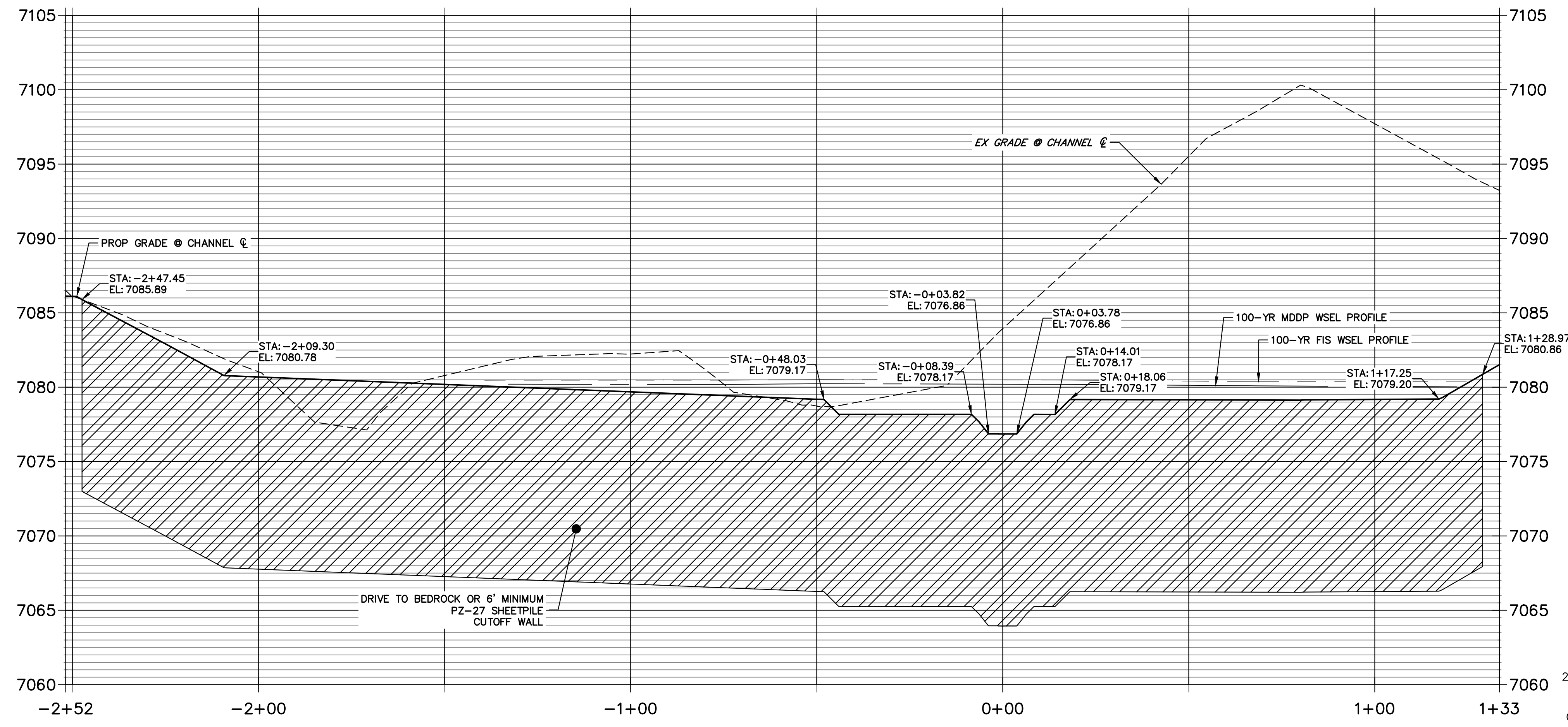


GRouted STEPPED BOULDER DROP #4 DETAIL PLAN VIEW
SCALE: 1"=20'

**GSB PROFILE 4
STA 49+50.00 TO 51+50.00**

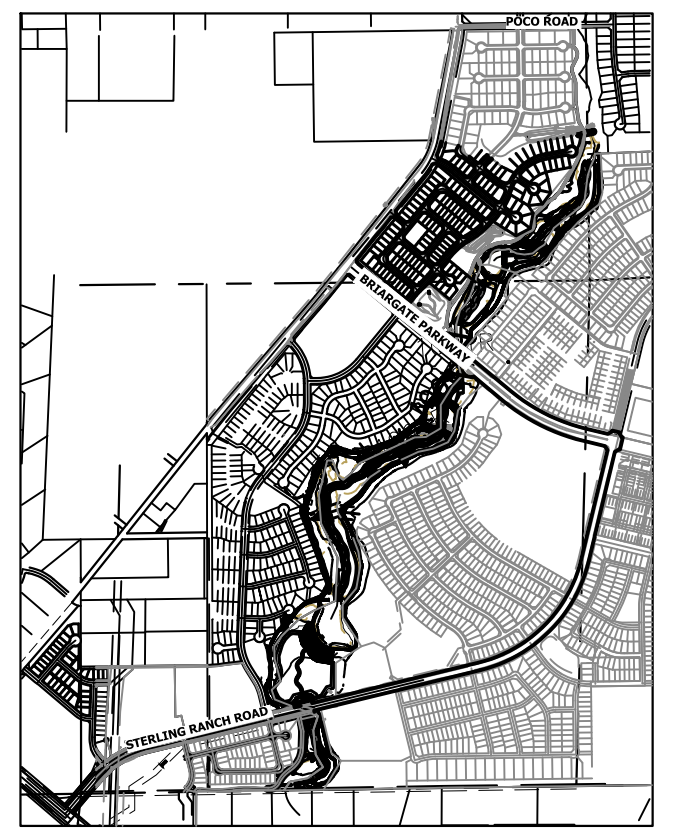


**GSB 4 SHEET PILE PROFILE
STA -2+51.83 TO 1+33.48**



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING
 DATE: 4/18/23



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, JR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.

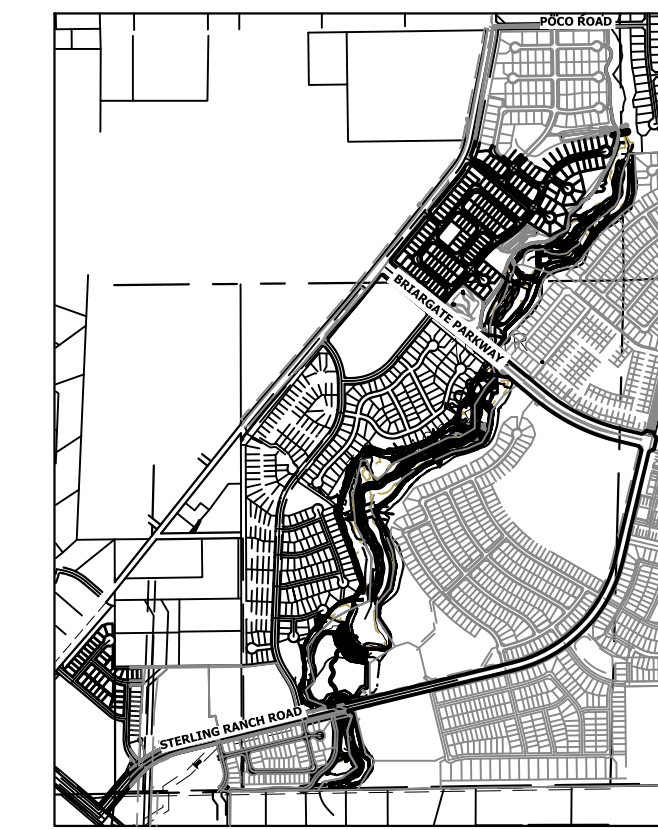
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BY	DATE	NO.	REVISION

SAND CREEK RESTORATION
GSB DETAILS

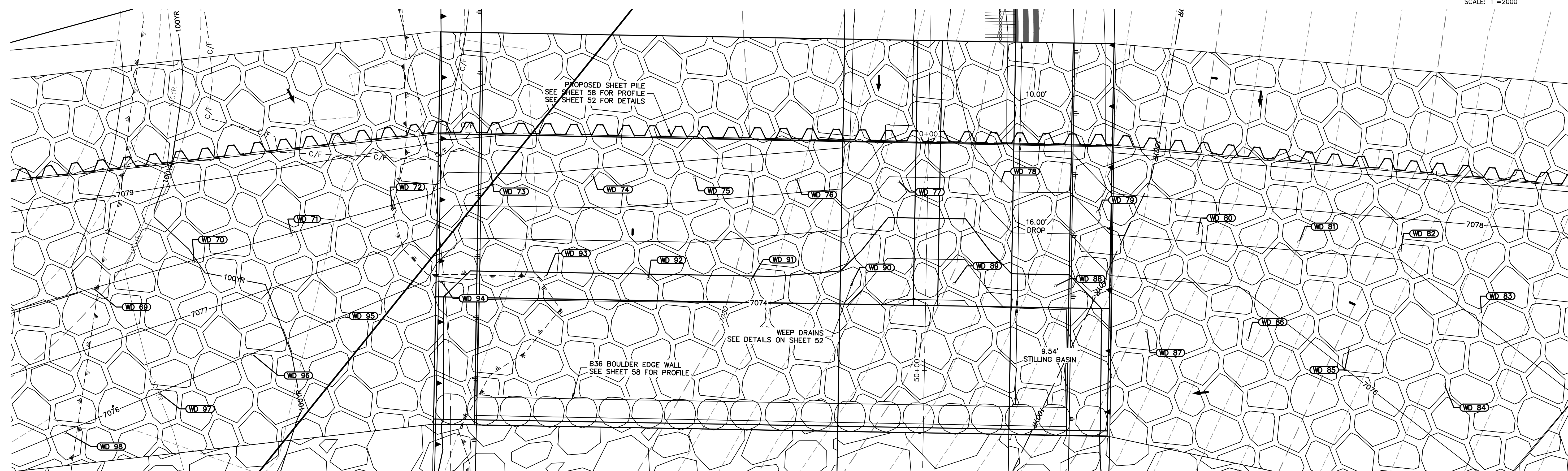
H-SCALE 1"=20'
 V-SCALE 1"=5'
 DATE 3/30/23
 DESIGNED BY DV
 DRAWN BY NEO
 CHECKED BY

SHEET 58 OF 121
 JOB NO. 25188.04



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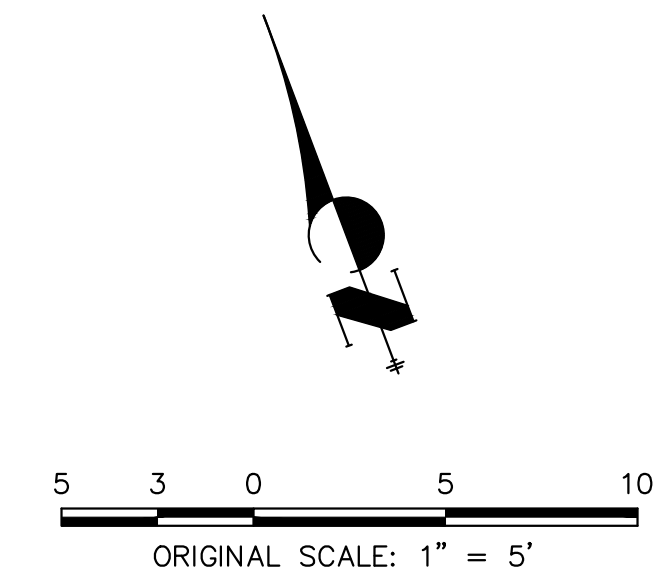
PREPARED FOR
SR LAND, LLC
 20 BOULDER CRESCENT
 2ND FLOOR
 COLORADO SPRINGS, CO 80903
 JAMES F. MORLEY
 (719) 419-3024



GSB04 WEEP DRAINS PLAN VIEW
 SCALE: 1"=5'

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 69	WEEP DRAIN	N: 413870.35 E: 237530.45	7078.00
WD 70	WEEP DRAIN	N: 413869.31 E: 237540.62	7077.99
WD 71	WEEP DRAIN	N: 413868.36 E: 237550.49	7077.98
WD 72	WEEP DRAIN	N: 413867.36 E: 237560.66	7077.97
WD 73	WEEP DRAIN	N: 413867.07 E: 237570.93	7077.97
WD 74	WEEP DRAIN	N: 413863.38 E: 237580.22	7077.83
WD 75	WEEP DRAIN	N: 413859.69 E: 237589.52	7077.58
WD 76	WEEP DRAIN	N: 413856.00 E: 237598.81	7077.33
WD 77	WEEP DRAIN	N: 413852.31 E: 237608.11	7075.90
WD 78	WEEP DRAIN	N: 413848.62 E: 237617.40	7076.89
WD 79	WEEP DRAIN	N: 413842.57 E: 237625.37	7077.22
WD 80	WEEP DRAIN	N: 413837.16 E: 237633.78	7077.21
WD 81	WEEP DRAIN	N: 413832.85 E: 237642.80	7077.21
WD 82	WEEP DRAIN	N: 413828.54 E: 237651.82	7077.21
WD 83	WEEP DRAIN	N: 413819.94 E: 237657.03	7077.06

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 84	WEEP DRAIN	N: 413814.67 E: 237651.21	7076.40
WD 85	WEEP DRAIN	N: 413821.35 E: 237643.80	7076.16
WD 86	WEEP DRAIN	N: 413825.68 E: 237634.75	7075.70
WD 87	WEEP DRAIN	N: 413829.99 E: 237625.73	7075.27
WD 88	WEEP DRAIN	N: 413837.25 E: 237618.94	7074.73
WD 89	WEEP DRAIN	N: 413840.95 E: 237609.69	7073.41
WD 90	WEEP DRAIN	N: 413844.72 E: 237600.45	7074.46
WD 91	WEEP DRAIN	N: 413848.33 E: 237591.12	7074.88
WD 92	WEEP DRAIN	N: 413852.02 E: 237581.76	7074.87
WD 93	WEEP DRAIN	N: 413855.72 E: 237572.44	7074.86
WD 94	WEEP DRAIN	N: 413858.95 E: 237562.64	7075.46
WD 95	WEEP DRAIN	N: 413859.02 E: 237552.78	7075.99
WD 96	WEEP DRAIN	N: 413858.71 E: 237542.82	7075.99
WD 97	WEEP DRAIN	N: 413858.39 E: 237532.91	7075.99
WD 98	WEEP DRAIN	N: 413858.08 E: 237522.91	7076.00



No.	REVISION	BY	DATE	1"=5'		4/18/23	
				H-SCALE	V-SCALE	DESIGNED BY	CHECKED BY

SAND CREEK RESTORATION

GSB DETAILS

SHEET 59 OF 121

JOB NO. 25188.04

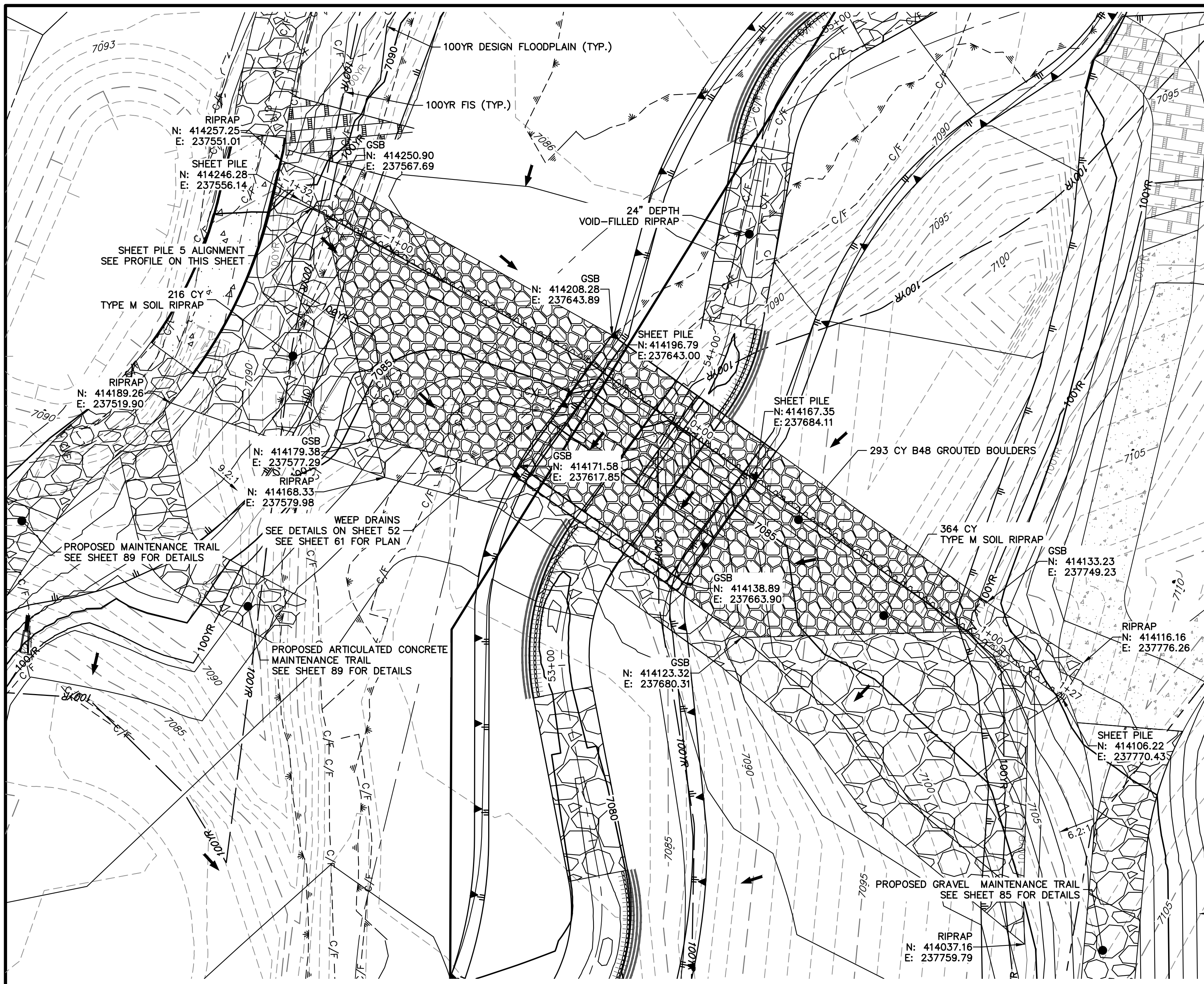


ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION

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

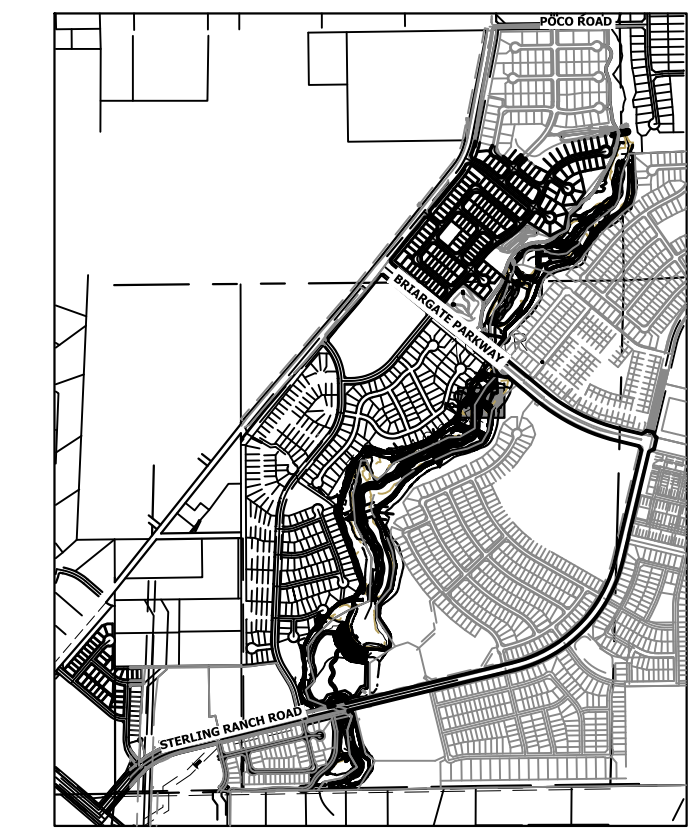
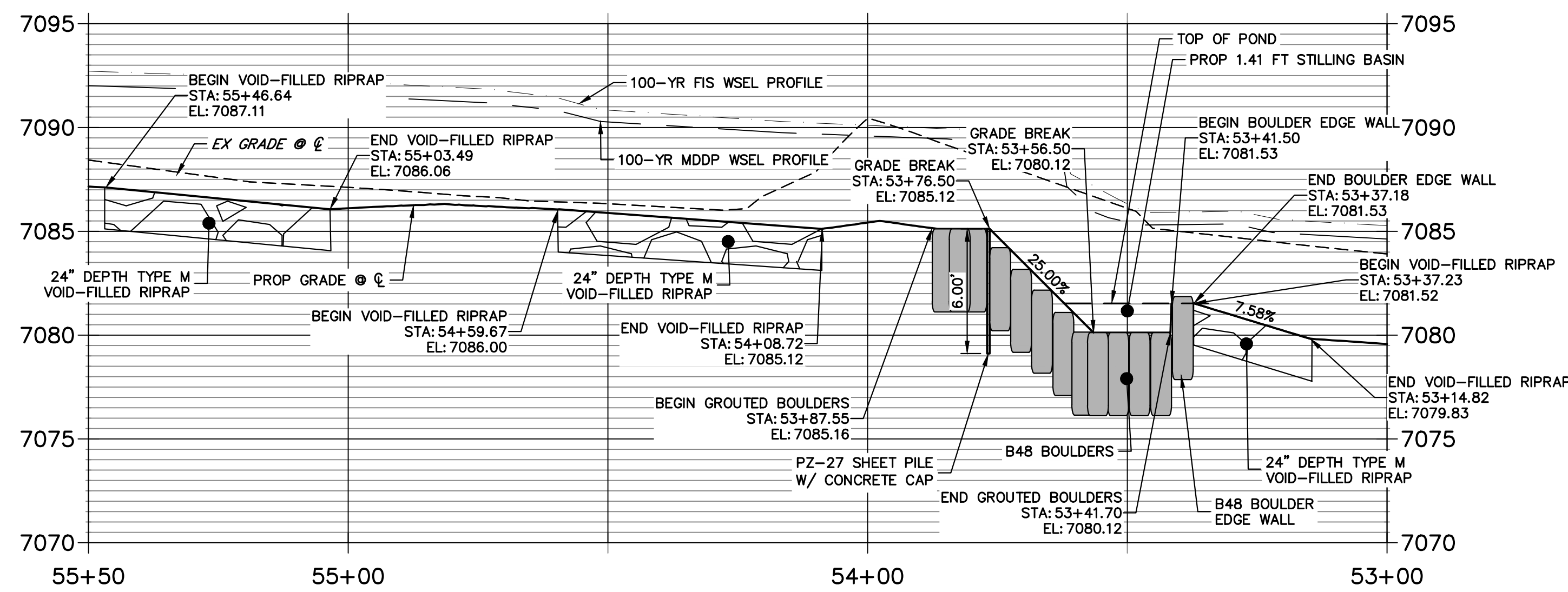
DATE: 4/18/23

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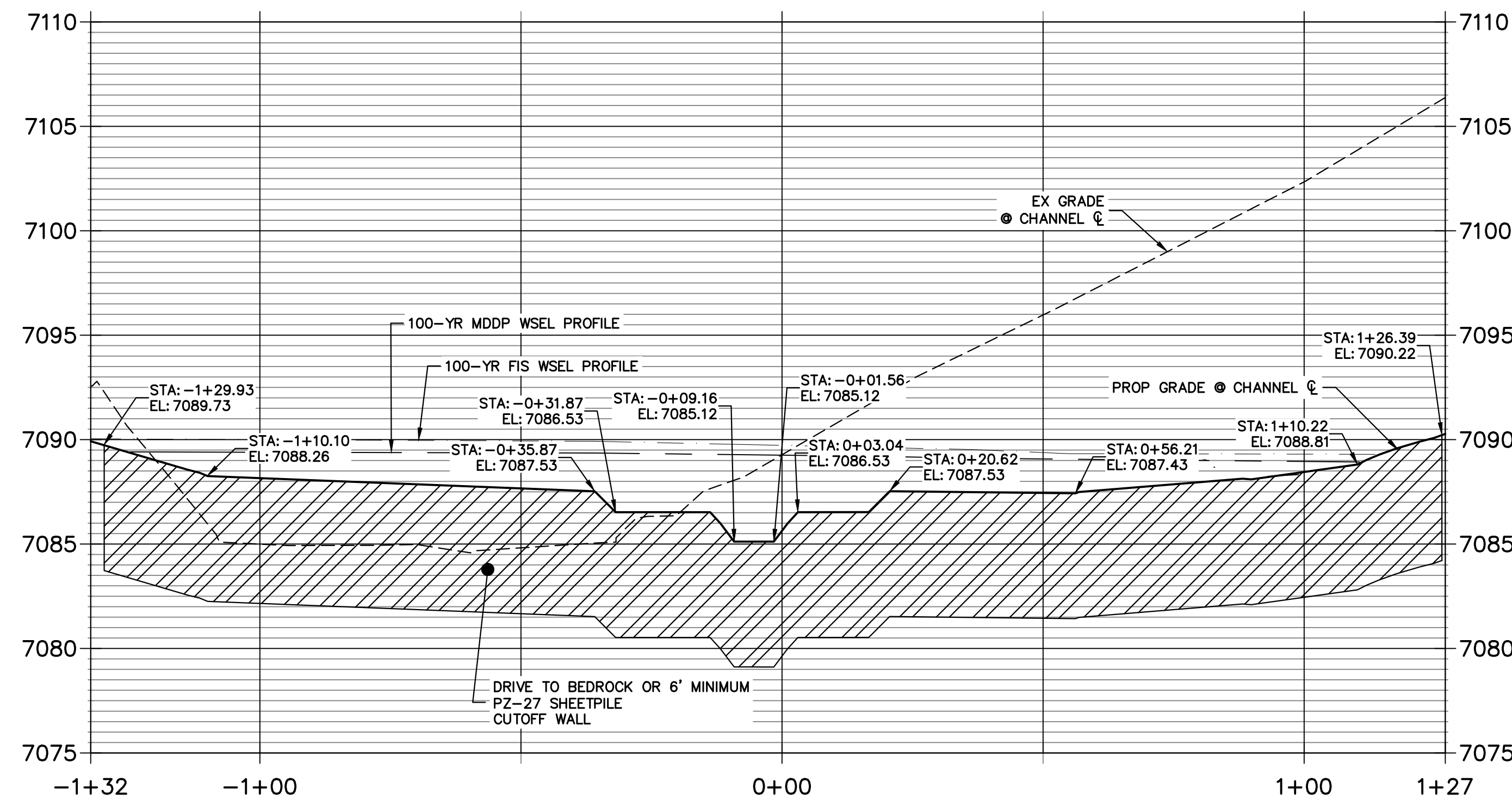


GRouted STEPPED BOULDER DROP #5 DETAIL
PLAN VIEW
SCALE: 1"=20'

**GSB PROFILE 5
STA 53+00.00 TO 55+50.00**



**GSB 5 SHEET PILE PROFILE
STA -1+32.40 TO 1+27.04**



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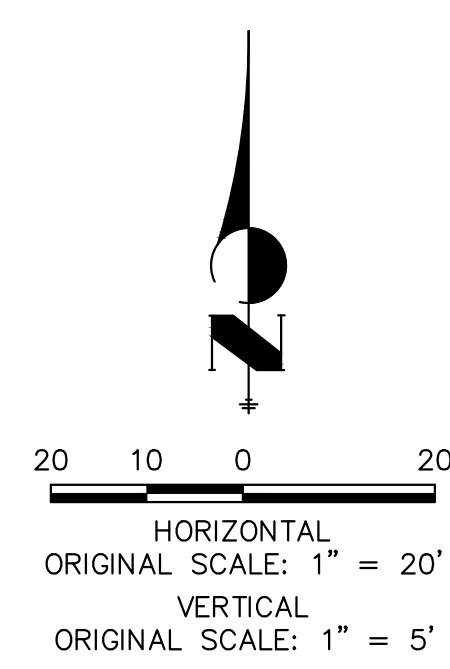
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
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No.	REVISION	BY	DATE

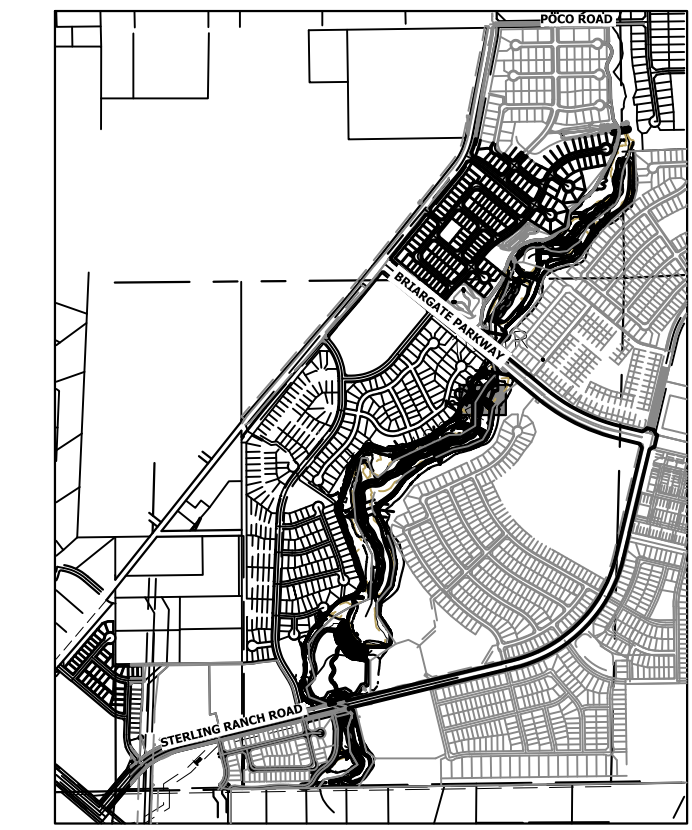
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V-SCALE	1"=5'
DATE	3/30/23
DESIGNED BY	DJV
DRAWN BY	NEO
CHECKED BY	

SAND CREEK RESTORATION
GSB DETAILS
SHEET 60 OF 121
JOB NO. 25188.04



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING
DATE 4/18/23

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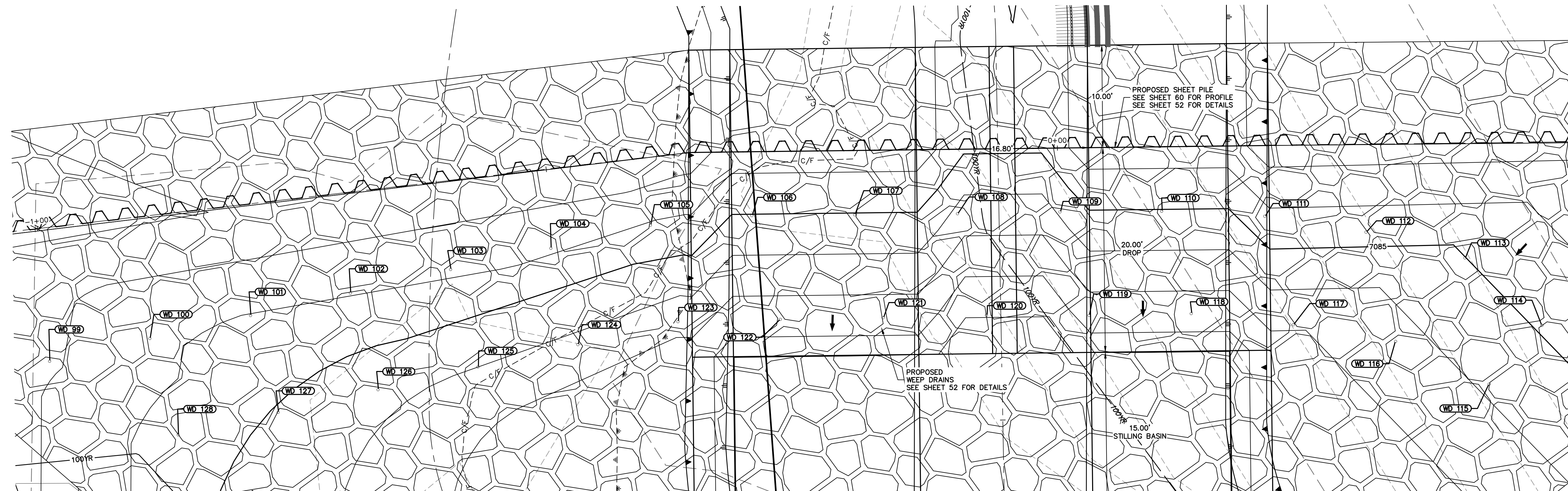


KEY MAP
SCALE: 1"=2000'

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, JR ENGINEERING APPROVES THEIR USE. THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

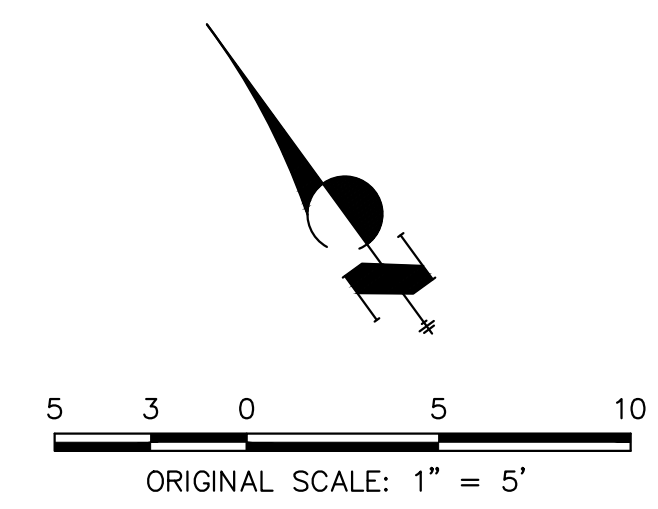
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GSB05 WEEP DRAINS PLAN VIEW
SCALE: 1"=5'

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 99	WEEP DRAIN	N: 414220.44 E: 237575.56	7087.12
WD 100	WEEP DRAIN	N: 414216.47 E: 237584.78	7086.30
WD 101	WEEP DRAIN	N: 414212.50 E: 237594.05	7085.97
WD 102	WEEP DRAIN	N: 414208.53 E: 237603.22	7086.05
WD 103	WEEP DRAIN	N: 414204.64 E: 237612.48	7086.16
WD 104	WEEP DRAIN	N: 414200.55 E: 237621.61	7086.17
WD 105	WEEP DRAIN	N: 414196.66 E: 237630.80	7085.91
WD 106	WEEP DRAIN	N: 414191.58 E: 237639.36	7084.97
WD 107	WEEP DRAIN	N: 414185.74 E: 237647.51	7084.96
WD 108	WEEP DRAIN	N: 414179.92 E: 237655.69	7083.76
WD 109	WEEP DRAIN	N: 414174.17 E: 237663.88	7084.13
WD 110	WEEP DRAIN	N: 414168.38 E: 237671.94	7084.95
WD 111	WEEP DRAIN	N: 414162.06 E: 237679.80	7085.69
WD 112	WEEP DRAIN	N: 414155.99 E: 237686.87	7085.36
WD 113	WEEP DRAIN	N: 414147.26 E: 237693.19	7084.99

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 114	WEEP DRAIN	N: 414137.51 E: 237695.40	7085.09
WD 115	WEEP DRAIN	N: 414135.91 E: 237687.84	7084.14
WD 116	WEEP DRAIN	N: 414144.65 E: 237682.92	7083.69
WD 117	WEEP DRAIN	N: 414151.85 E: 237675.80	7083.14
WD 118	WEEP DRAIN	N: 414158.60 E: 237668.39	7082.45
WD 119	WEEP DRAIN	N: 414164.33 E: 237660.22	7082.39
WD 120	WEEP DRAIN	N: 414170.24 E: 237652.14	7081.06
WD 121	WEEP DRAIN	N: 414175.98 E: 237643.84	7082.43
WD 122	WEEP DRAIN	N: 414181.75 E: 237635.63	7082.42
WD 123	WEEP DRAIN	N: 414187.46 E: 237627.42	7083.38
WD 124	WEEP DRAIN	N: 414191.39 E: 237618.21	7083.77
WD 125	WEEP DRAIN	N: 414195.37 E: 237609.03	7084.00
WD 126	WEEP DRAIN	N: 414199.32 E: 237599.84	7084.38
WD 127	WEEP DRAIN	N: 414203.27 E: 237590.66	7084.93
WD 128	WEEP DRAIN	N: 414207.23 E: 237581.48	7085.62



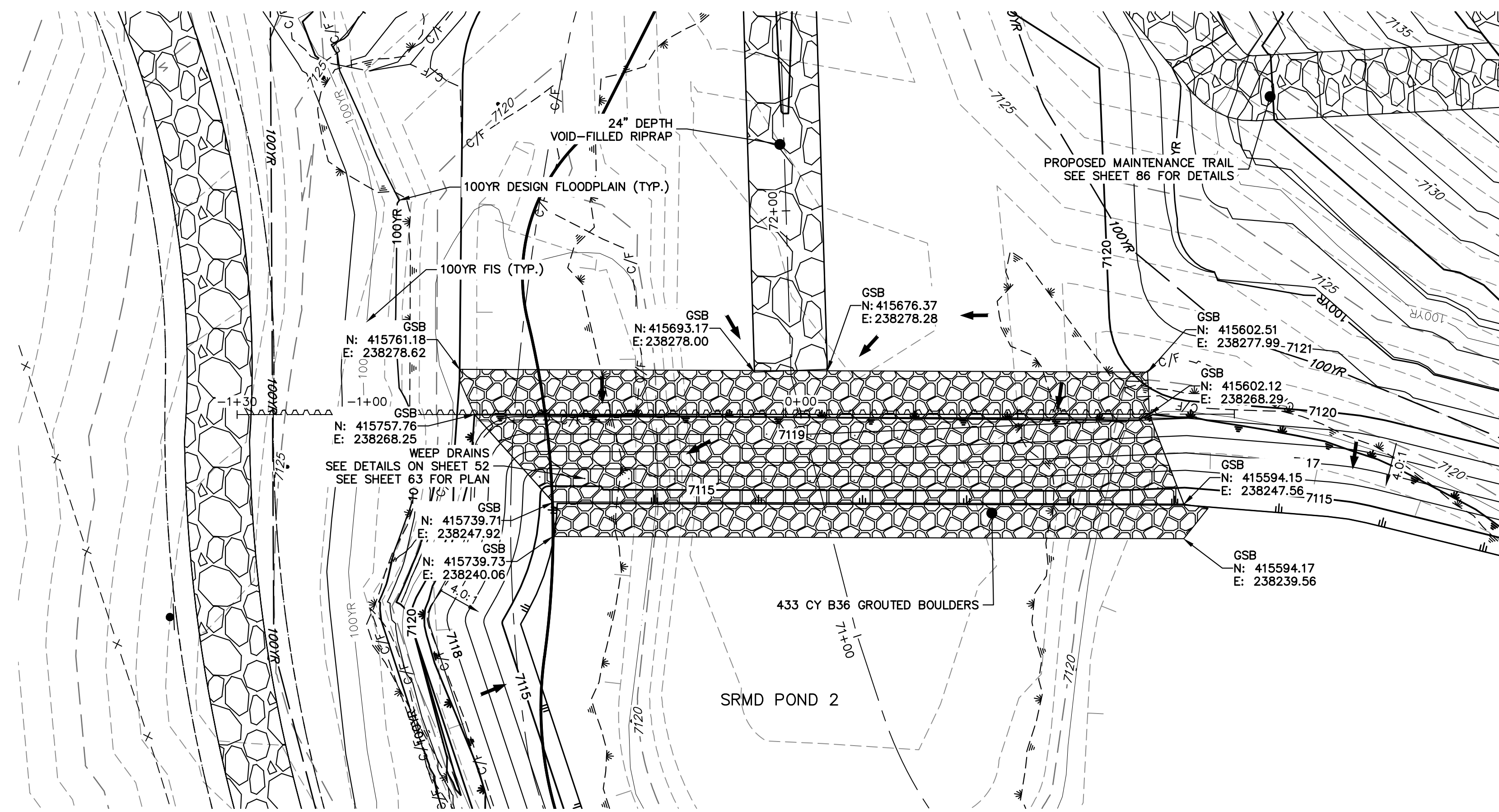
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

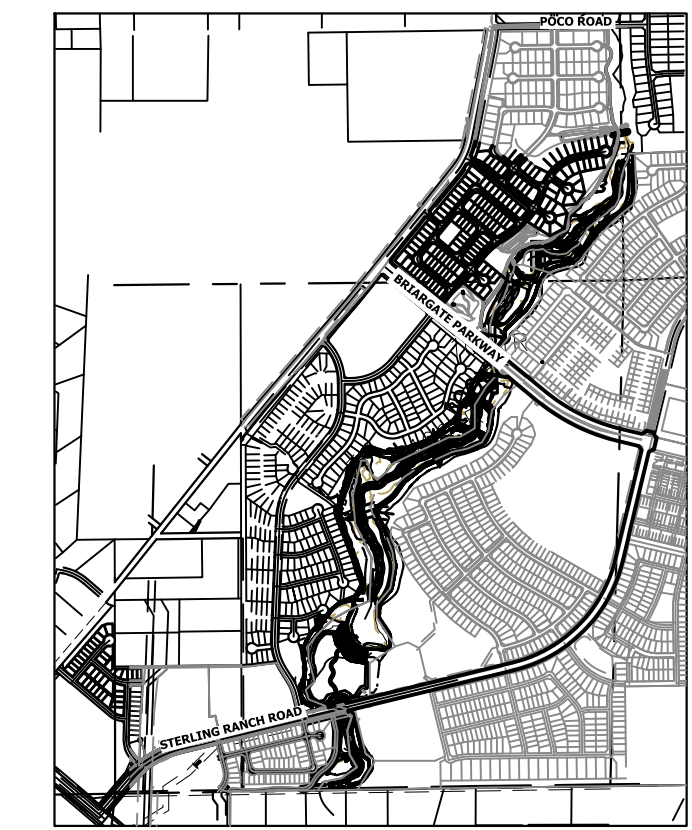
32314
DATE 4/18/23

H-SCALE	V-SCALE	DATE	DESIGNED BY		DRAWN BY		CHECKED BY	
			N/A	3/30/23	DJV	NEO		
1"=5'	N/A	3/30/23						
No. REVISION								
BY DATE								
SAND CREEK RESTORATION								
GSB DETAILS								
SHEET 61 OF 121								
JOB NO. 25188.04								

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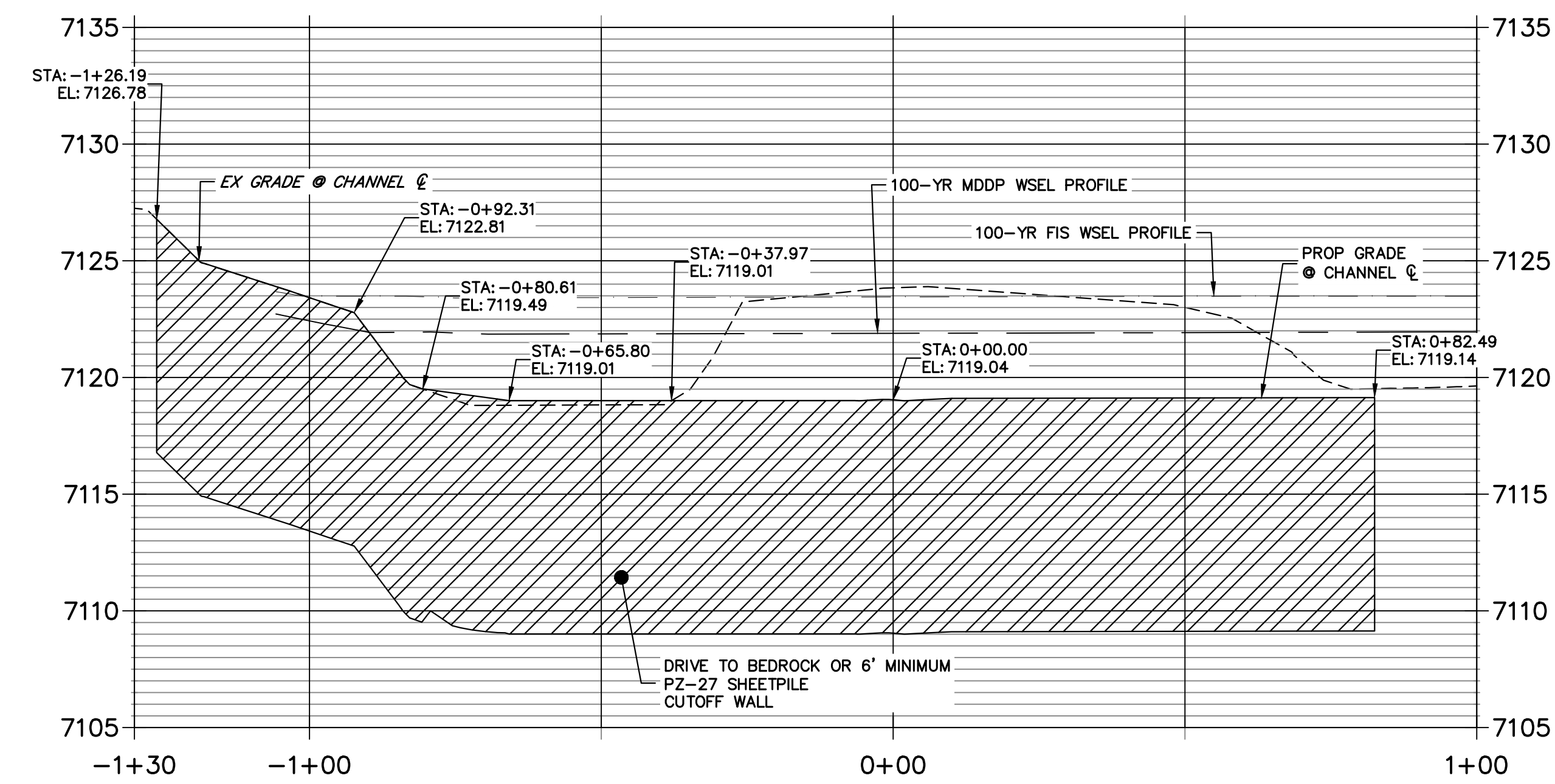


GRouted STEPPED BOULDER DROP #6 DETAIL
PLAN VIEW
SCALE: 1"=20'

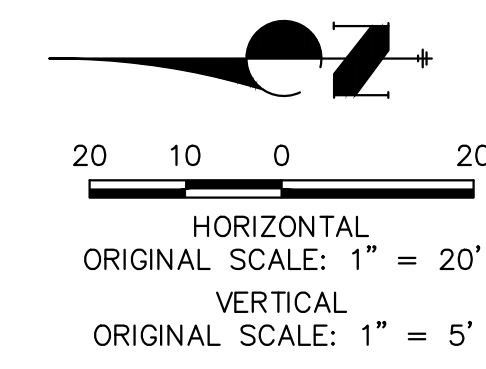
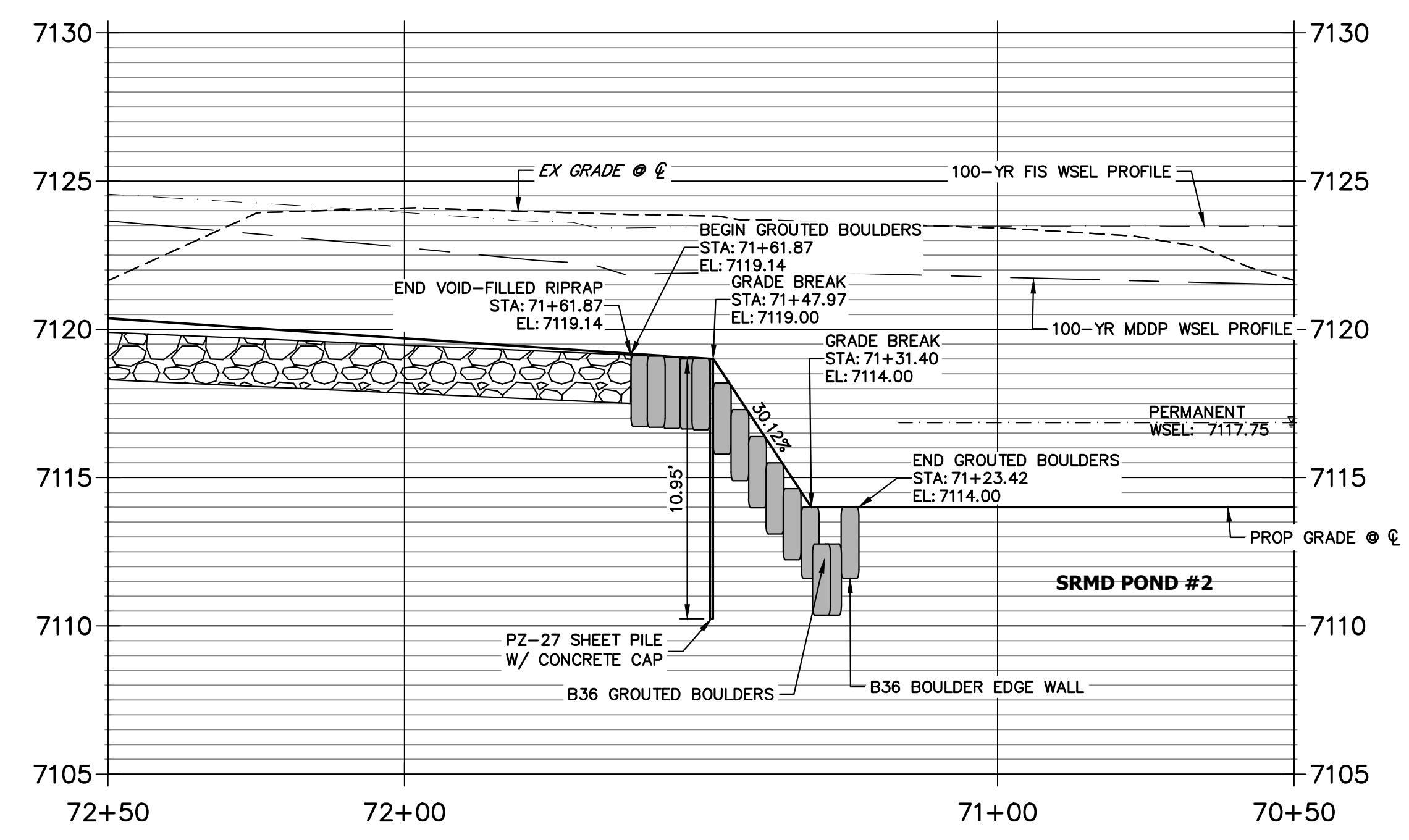


KEY MAP
SCALE: 1"=2000'

GSB 6 SHEET PILE PROFILE
STA -1+30.00 TO 1+00.00



GSB PROFILE 6
STA 70+50.00 TO 72+50.00

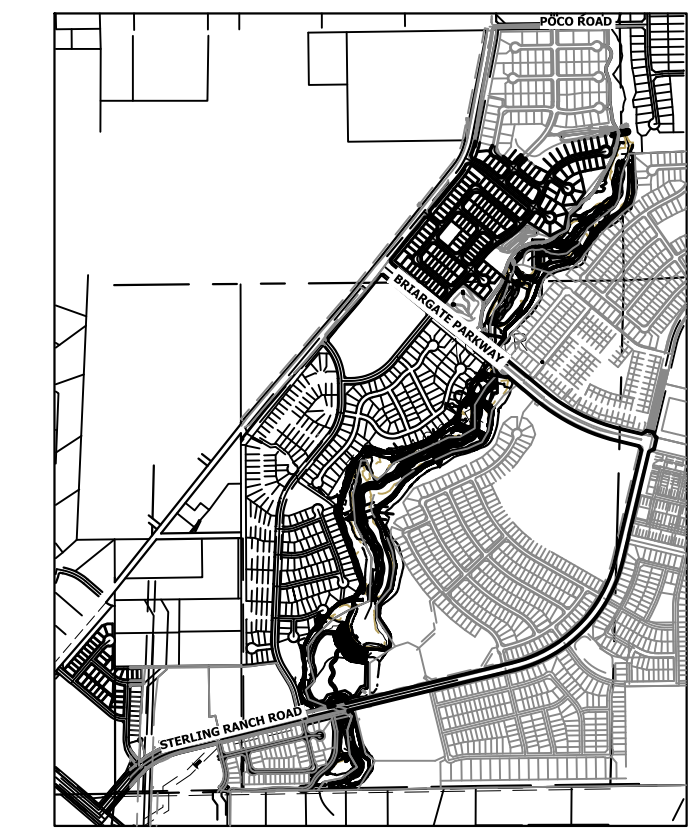


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

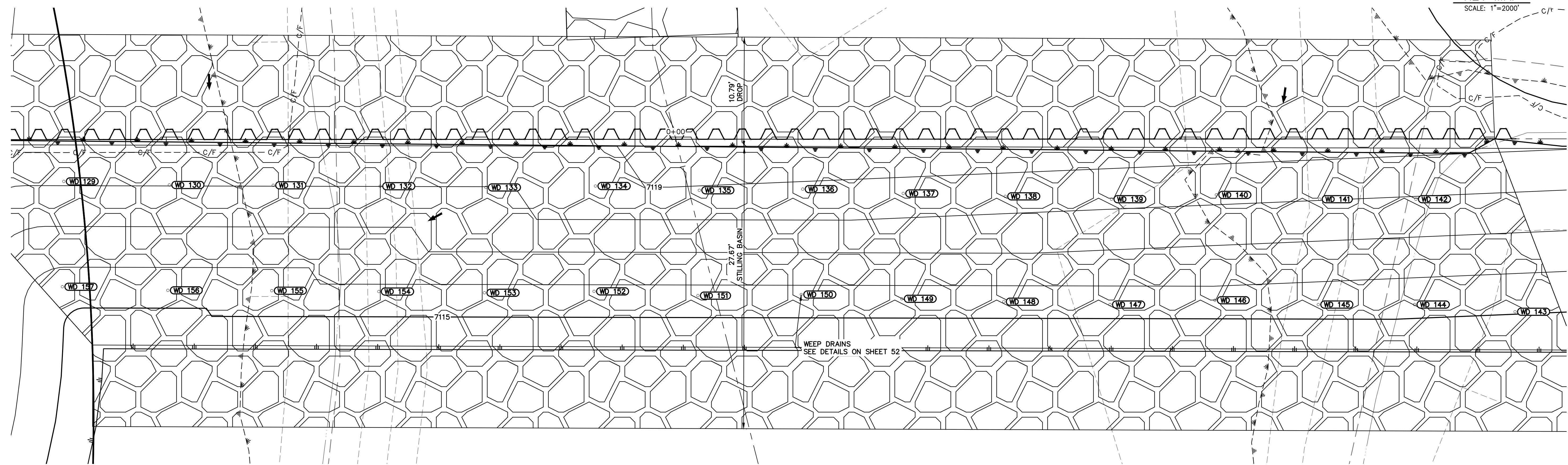
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
DATE 4/18/23

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, JR ENGINEERING APPROVES THEIR USE. THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.			
BY	DATE	REVISION	NO.	DATE
H-SCALE	1"=20'			
V-SCALE	1"=5'			
DATE	3/30/23			
DESIGNED BY	DJV			
DRAWN BY	NEO			
CHECKED BY				
SAND CREEK RESTORATION				
GSB DETAILS				
SHEET 62 OF 121				
JOB NO. 25188.04				



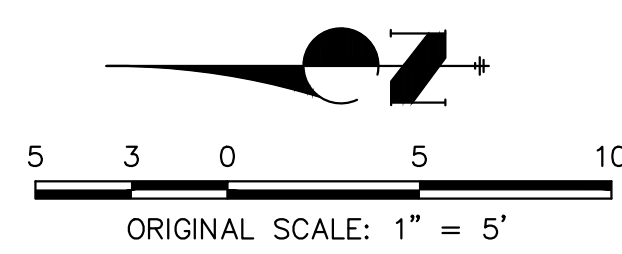
KEY MAP
SCALE: 1"=2000'



GSB06 WEEP DRAINS PLAN VIEW
SCALE: 1"=5'

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 129	WEEP DRAIN	N: 415742.56 E: 238264.15	7118.11
WD 130	WEEP DRAIN	N: 415732.20 E: 238263.80	7118.02
WD 131	WEEP DRAIN	N: 415722.01 E: 238263.76	7118.02
WD 132	WEEP DRAIN	N: 415711.50 E: 238263.67	7118.01
WD 133	WEEP DRAIN	N: 415701.13 E: 238263.56	7117.98
WD 134	WEEP DRAIN	N: 415690.38 E: 238263.69	7118.63
WD 135	WEEP DRAIN	N: 415680.18 E: 238263.27	7118.89
WD 136	WEEP DRAIN	N: 415670.03 E: 238263.39	7118.81
WD 137	WEEP DRAIN	N: 415660.17 E: 238262.96	7118.60
WD 138	WEEP DRAIN	N: 415650.16 E: 238262.68	7118.43
WD 139	WEEP DRAIN	N: 415639.73 E: 238262.40	7118.25
WD 140	WEEP DRAIN	N: 415629.44 E: 238262.82	7118.24
WD 141	WEEP DRAIN	N: 415619.29 E: 238262.40	7118.03
WD 142	WEEP DRAIN	N: 415609.85 E: 238262.40	7117.93
WD 143	WEEP DRAIN	N: 415600.12 E: 238251.35	7115.06

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 144	WEEP DRAIN	N: 415609.99 E: 238252.06	7115.34
WD 145	WEEP DRAIN	N: 415619.43 E: 238252.06	7115.44
WD 146	WEEP DRAIN	N: 415629.58 E: 238252.48	7115.57
WD 147	WEEP DRAIN	N: 415639.87 E: 238252.06	7115.43
WD 148	WEEP DRAIN	N: 415650.30 E: 238252.34	7115.51
WD 149	WEEP DRAIN	N: 415660.31 E: 238252.62	7115.59
WD 150	WEEP DRAIN	N: 415670.17 E: 238253.05	7115.72
WD 151	WEEP DRAIN	N: 415680.32 E: 238252.93	7115.67
WD 152	WEEP DRAIN	N: 415690.52 E: 238253.35	7115.80
WD 153	WEEP DRAIN	N: 415701.27 E: 238253.21	7115.75
WD 154	WEEP DRAIN	N: 415711.64 E: 238253.33	7115.78
WD 155	WEEP DRAIN	N: 415722.15 E: 238253.42	7115.59
WD 156	WEEP DRAIN	N: 415732.34 E: 238253.45	7115.44
WD 157	WEEP DRAIN	N: 415742.70 E: 238253.81	7115.57



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

DATE: 4/18/23

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 IN ANY MANNER, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

J.R. ENGINEERING
A Westman Company
Central 303-740-0888 • Colorado Springs 719-583-2583
Fort Collins 970-497-9888 • www.jrengineering.com

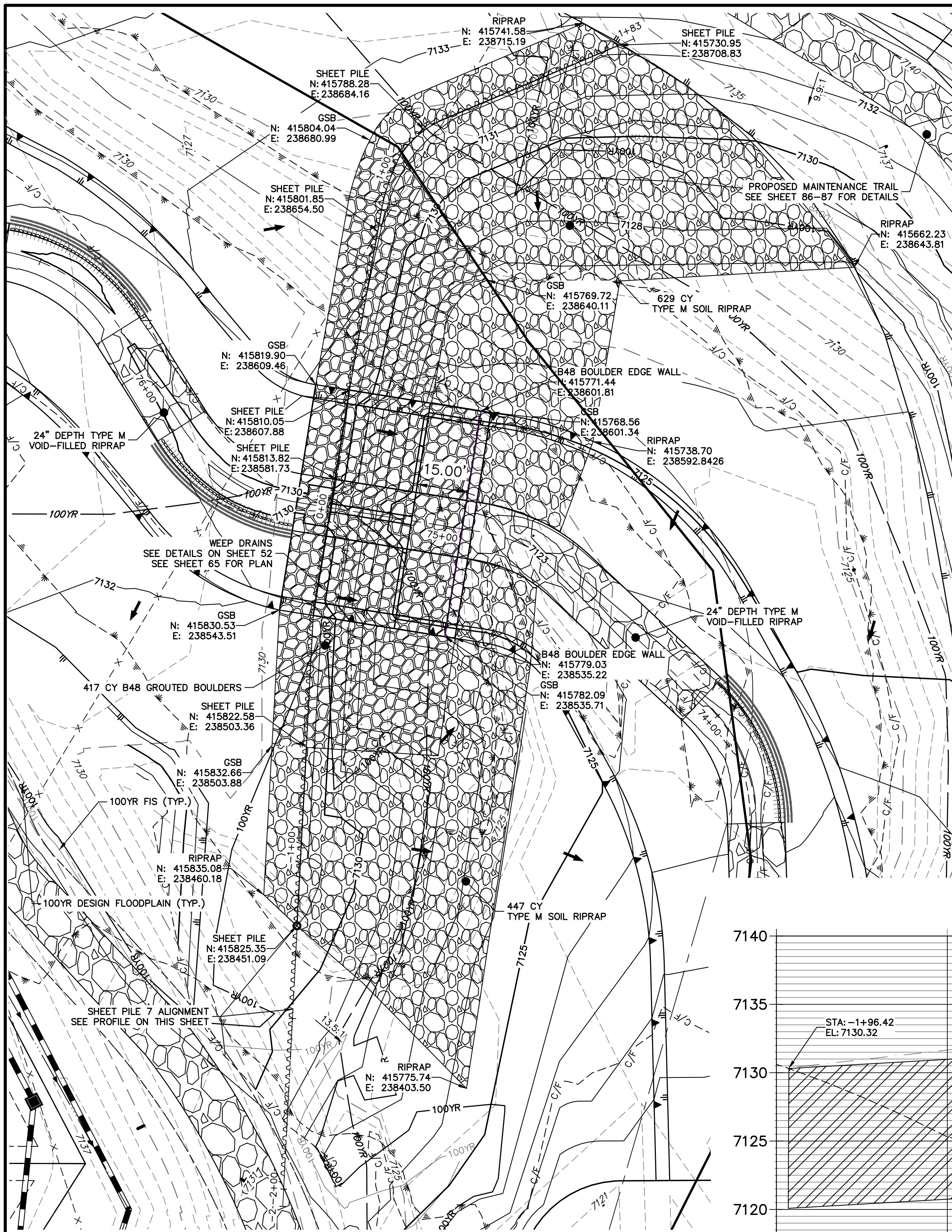
BY	DATE	REVISION	
		No.	DESCRIPTION

H-SCALE: 1"=5'
V-SCALE: N/A
DATE: 3/30/23
DESIGNED BY: DJV
DRAWN BY: NEO
CHECKED BY:

SAND CREEK RESTORATION
GSB DETAILS

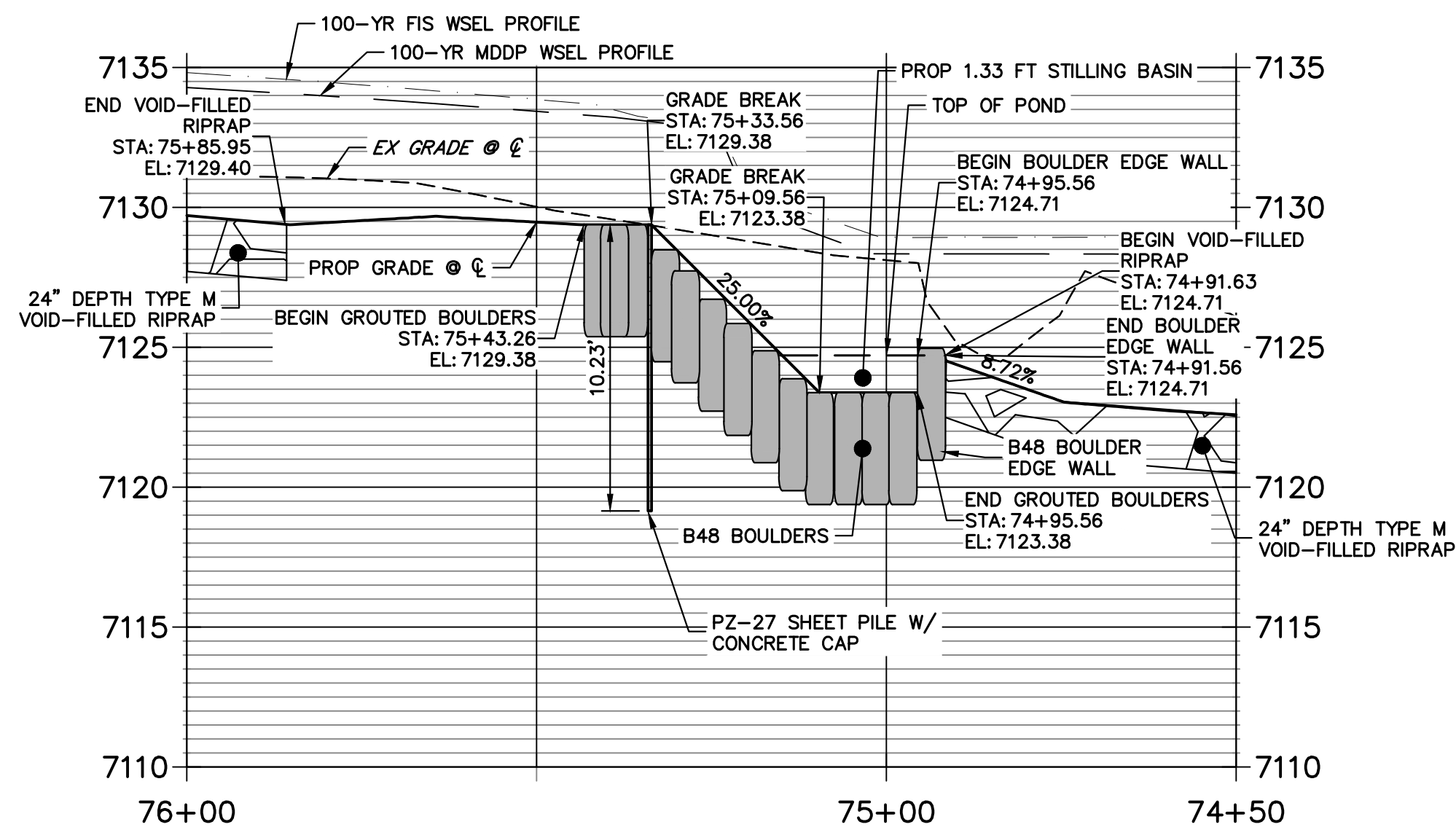
SHEET 63 OF 121
JOB NO. 25188.04

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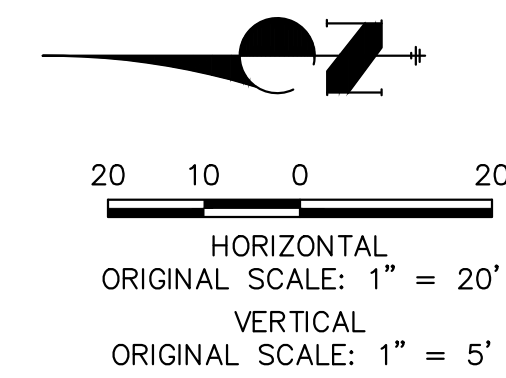
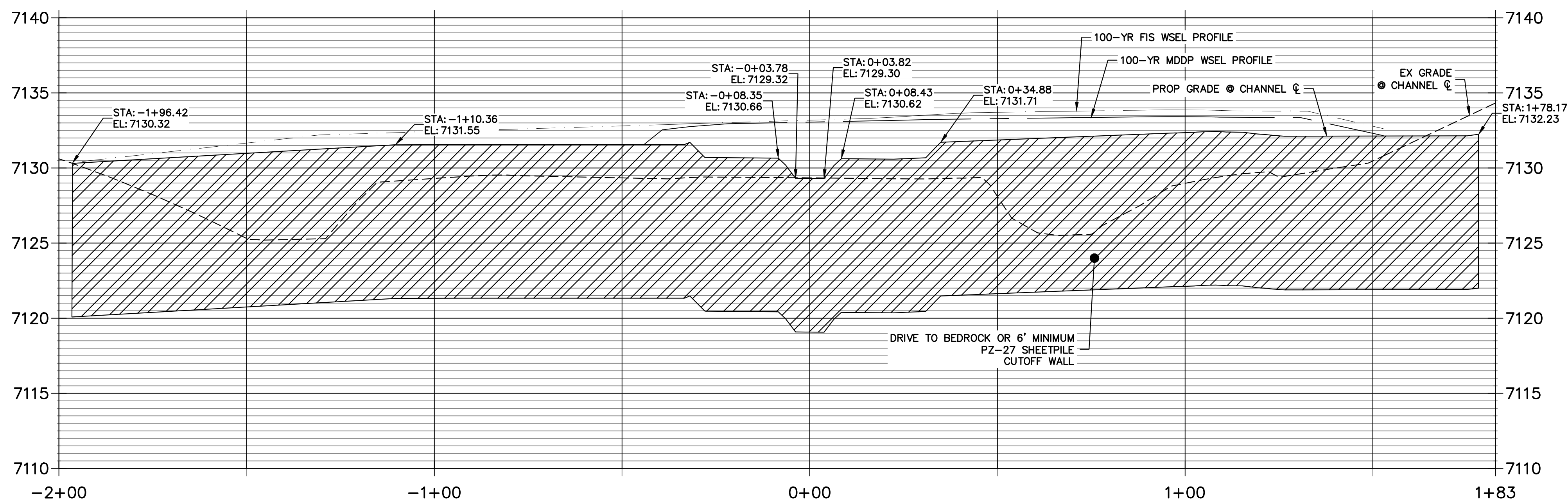


GRouted STEPPED BOULDER DROP #7 DETAIL
PLAN VIEW
HORIZONTAL SCALE: 1"=20'

**GSB PROFILE 7
STA 74+50.00 TO 76+00.00**

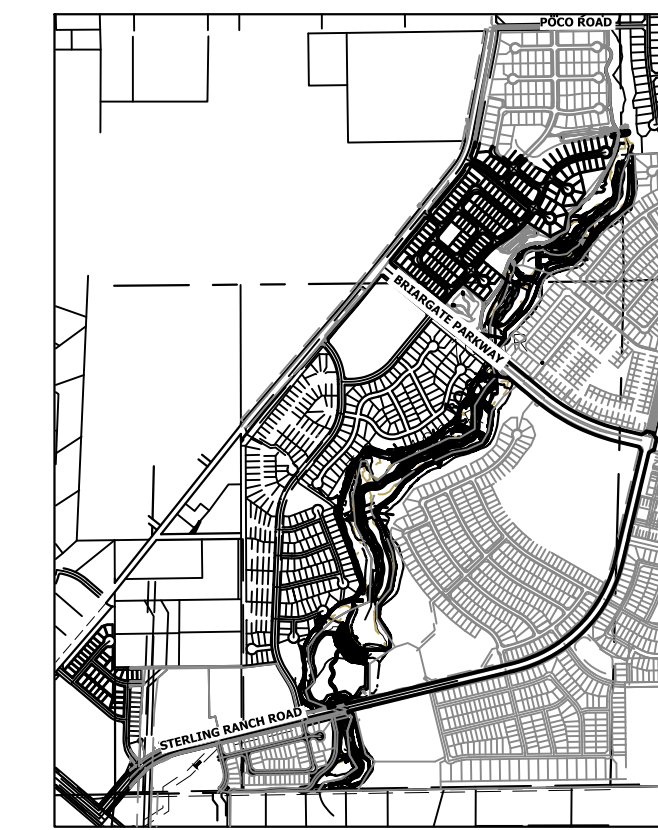


**GSB 7 SHEET PILE PROFILE
STA -2+00.00 TO 1+82.67**



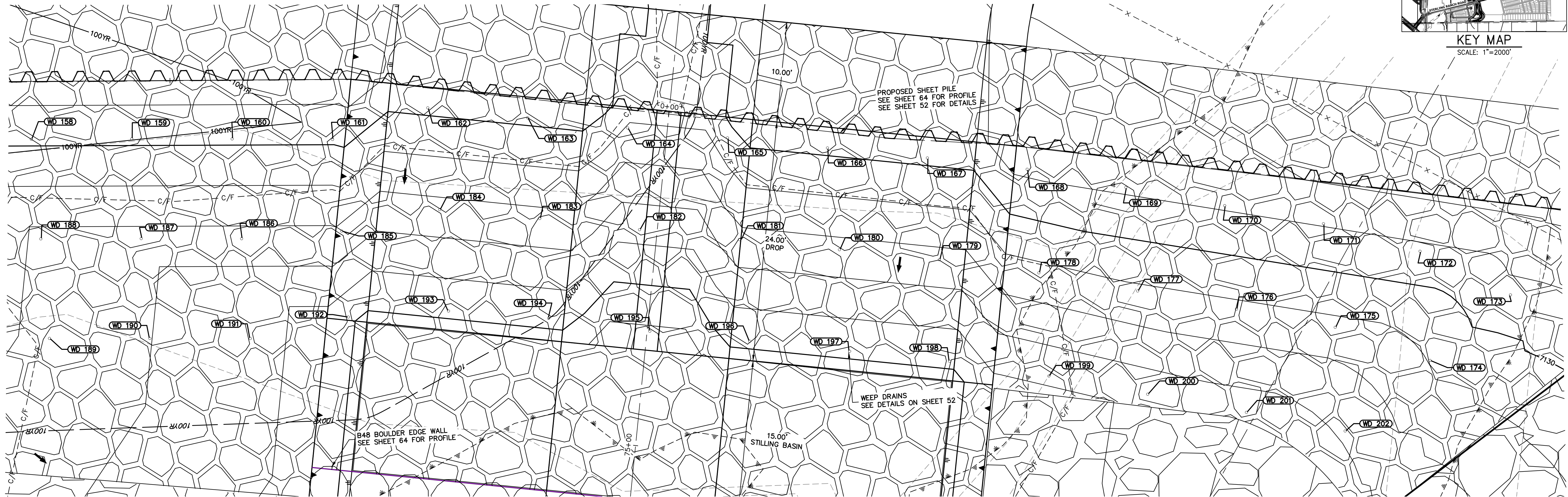
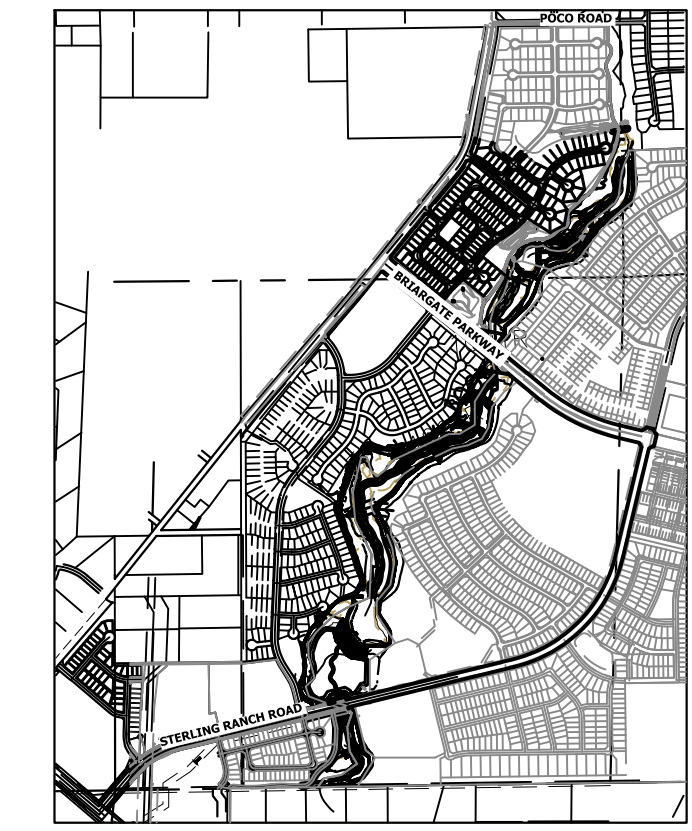
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23



KEY MAP
SCALE: 1"=2000'

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, JR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.				
BY	DATE	REVISION			
			No.	DATE	REVISION
H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=20'	1"=5'	4/18/23	DJV	NEO	
SAND CREEK RESTORATION			GSB DETAILS		
SHEET 64 OF 121			JOB NO. 25188.04		

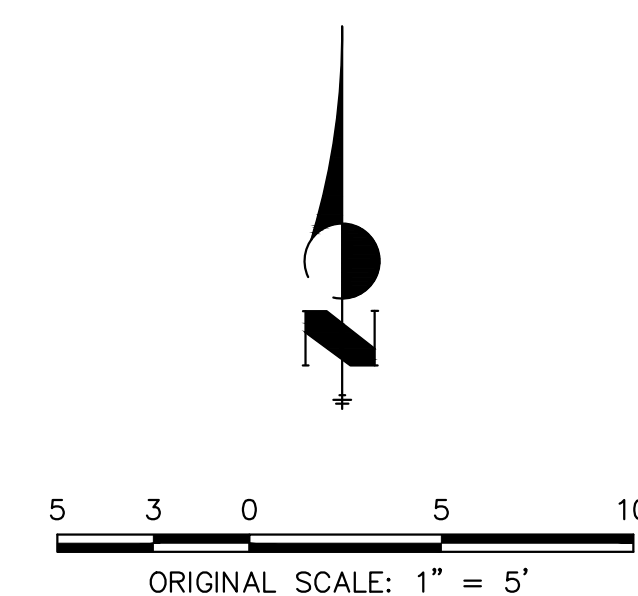


GSB07 WEEP DRAINS PLAN VIEW
SCALE: 1"=5'

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 158	WEEP DRAIN	N: 415816.51 E: 238509.68	7130.17
WD 159	WEEP DRAIN	N: 415815.95 E: 238519.70	7130.16
WD 160	WEEP DRAIN	N: 415815.35 E: 238529.71	7130.15
WD 161	WEEP DRAIN	N: 415814.70 E: 238539.71	7130.13
WD 162	WEEP DRAIN	N: 415817.29 E: 238549.40	7130.19
WD 163	WEEP DRAIN	N: 415815.69 E: 238559.30	7130.19
WD 164	WEEP DRAIN	N: 415814.10 E: 238569.20	7128.91
WD 165	WEEP DRAIN	N: 415812.51 E: 238579.11	7129.61
WD 166	WEEP DRAIN	N: 415810.92 E: 238589.01	7130.19
WD 167	WEEP DRAIN	N: 415809.32 E: 238598.91	7130.19
WD 168	WEEP DRAIN	N: 415807.60 E: 238608.79	7131.20
WD 169	WEEP DRAIN	N: 415805.20 E: 238618.53	7131.16
WD 170	WEEP DRAIN	N: 415802.80 E: 238628.27	7131.11
WD 171	WEEP DRAIN	N: 415800.41 E: 238638.01	7131.06
WD 172	WEEP DRAIN	N: 415797.09 E: 238647.48	7130.79

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 173	WEEP DRAIN	N: 415792.20 E: 238656.24	7130.67
WD 174	WEEP DRAIN	N: 415786.14 E: 238647.82	7129.05
WD 175	WEEP DRAIN	N: 415790.01 E: 238638.57	7128.73
WD 176	WEEP DRAIN	N: 415792.40 E: 238628.83	7128.78
WD 177	WEEP DRAIN	N: 415794.80 E: 238619.09	7128.83
WD 178	WEEP DRAIN	N: 415797.20 E: 238609.35	7128.72
WD 179	WEEP DRAIN	N: 415799.10 E: 238599.50	7127.69
WD 180	WEEP DRAIN	N: 415800.69 E: 238589.60	7127.69
WD 181	WEEP DRAIN	N: 415802.25 E: 238579.82	7127.69
WD 182	WEEP DRAIN	N: 415803.88 E: 238569.79	7126.36
WD 183	WEEP DRAIN	N: 415805.58 E: 238559.91	7127.72
WD 184	WEEP DRAIN	N: 415807.06 E: 238549.99	7127.69
WD 185	WEEP DRAIN	N: 415805.51 E: 238540.08	7127.76
WD 186	WEEP DRAIN	N: 415805.34 E: 238530.06	7127.68
WD 187	WEEP DRAIN	N: 415805.94 E: 238520.05	7127.70

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 188	WEEP DRAIN	N: 415806.51 E: 238510.04	7127.91
WD 189	WEEP DRAIN	N: 415796.53 E: 238510.31	7127.77
WD 190	WEEP DRAIN	N: 415795.93 E: 238520.32	7127.02
WD 191	WEEP DRAIN	N: 415795.33 E: 238530.33	7126.27
WD 192	WEEP DRAIN	N: 415796.89 E: 238540.23	7125.26
WD 193	WEEP DRAIN	N: 415796.89 E: 238550.26	7125.19
WD 194	WEEP DRAIN	N: 415795.57 E: 238560.20	7125.26
WD 195	WEEP DRAIN	N: 415793.68 E: 238570.21	7123.86
WD 196	WEEP DRAIN	N: 415792.09 E: 238580.11	7125.19
WD 197	WEEP DRAIN	N: 415790.50 E: 238590.01	7125.19
WD 198	WEEP DRAIN	N: 415788.90 E: 238599.92	7125.19
WD 199	WEEP DRAIN	N: 415786.84 E: 238609.73	7126.25
WD 200	WEEP DRAIN	N: 415784.44 E: 238619.47	7126.37
WD 201	WEEP DRAIN	N: 415782.04 E: 238629.21	7126.45
WD 202	WEEP DRAIN	N: 415779.60 E: 238638.94	7127.16



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
COLORADO REG. NO. 32314
DATE: 4/18/23

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

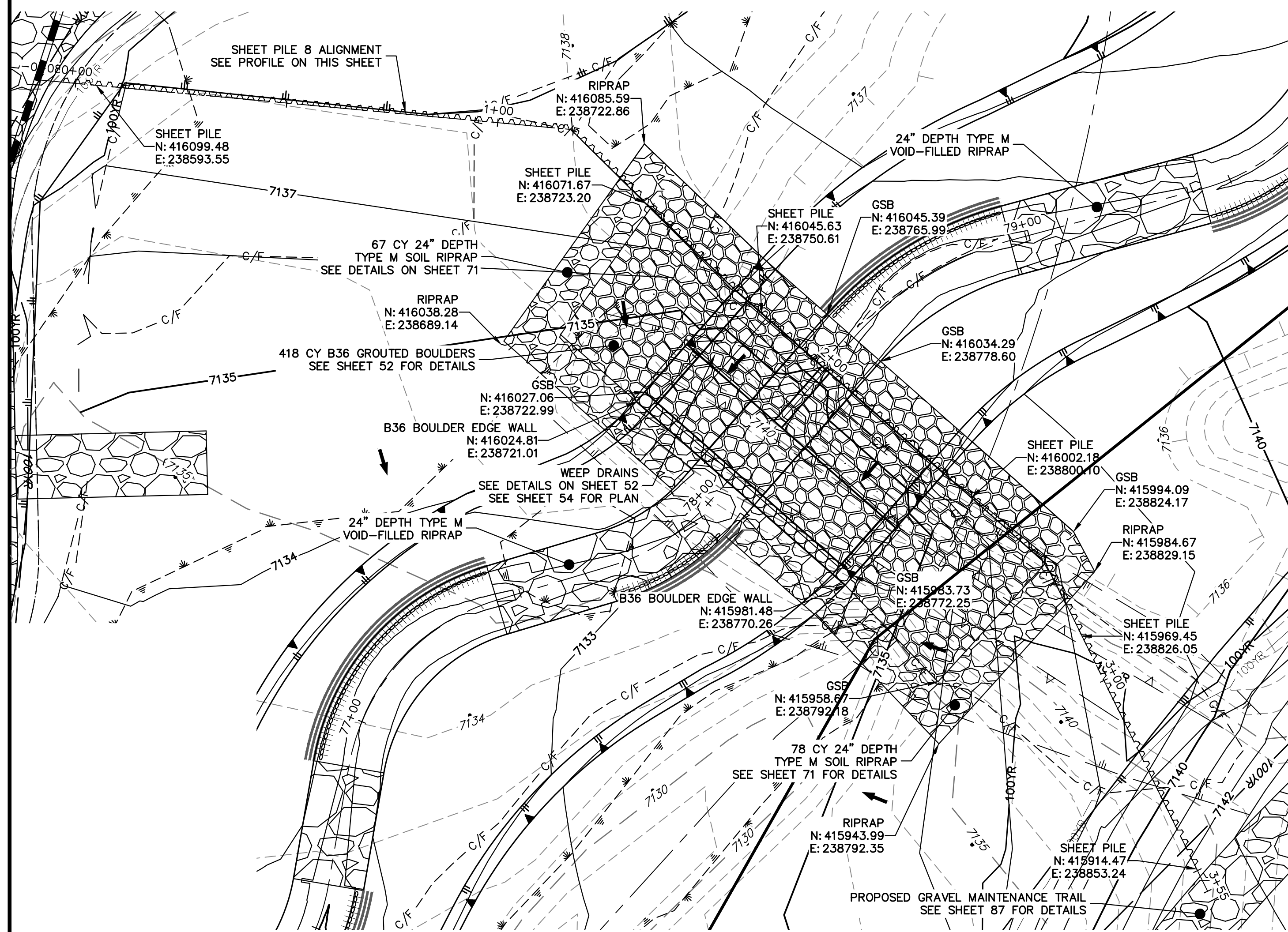
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE. THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

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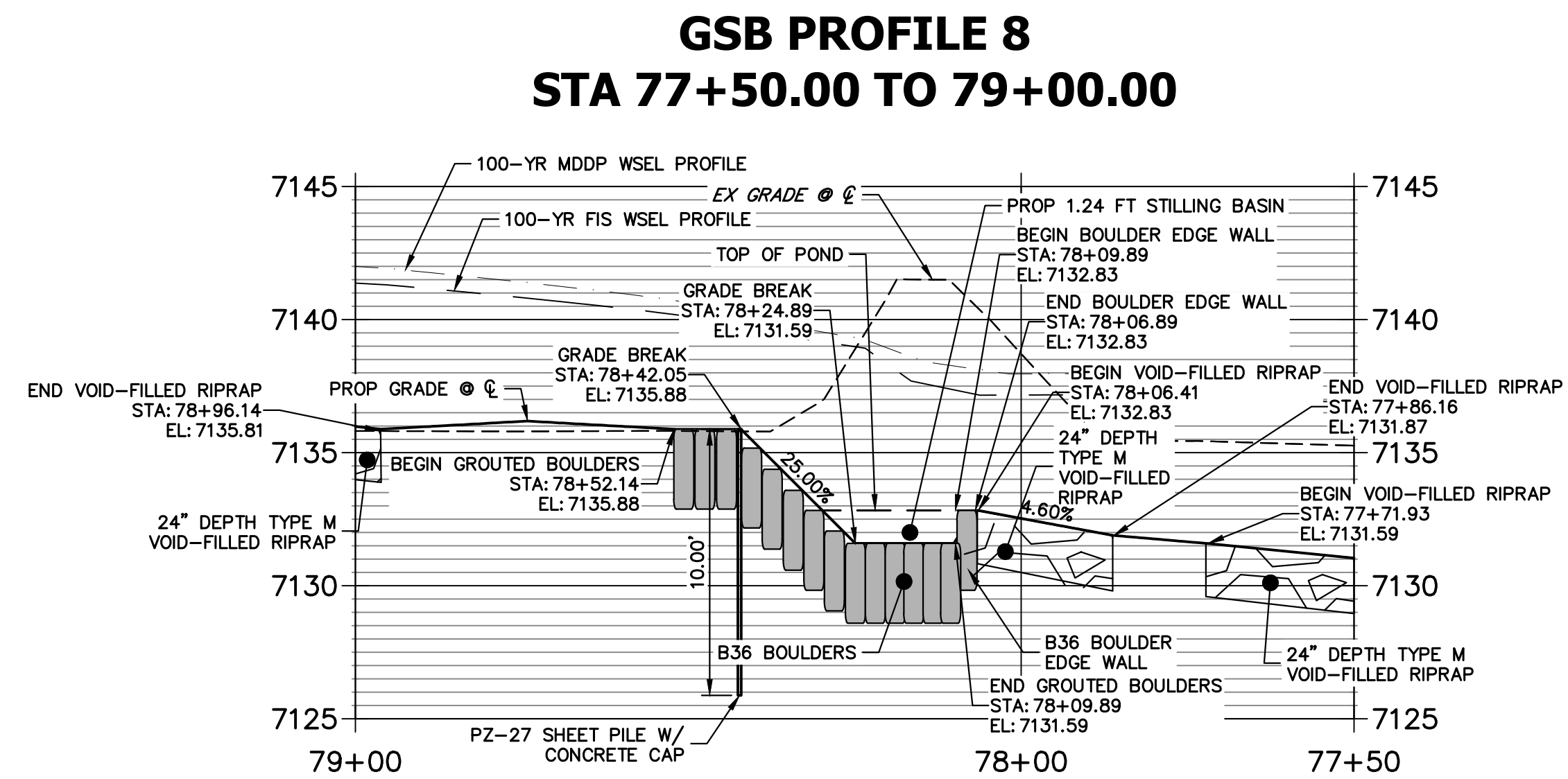
No.	REVISION	BY		DATE
		1"=5'	N/A	
		DATE	DJV	NEO
		DESIGNED BY	DRAWN BY	CHECKED BY

SAND CREEK RESTORATION
GSB DETAILS
SHEET 65 OF 121
JOB NO. 25188.04

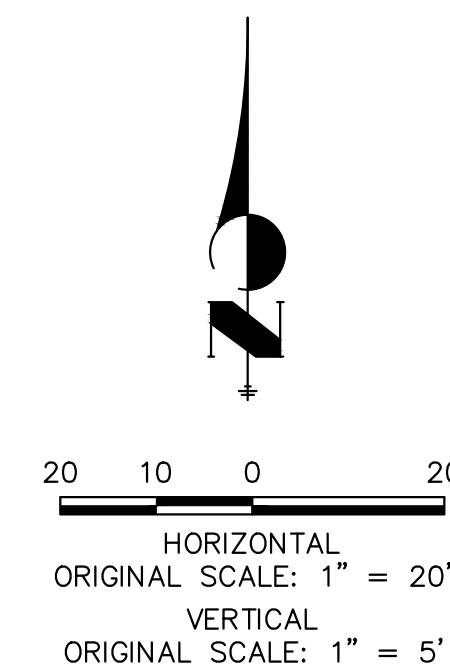
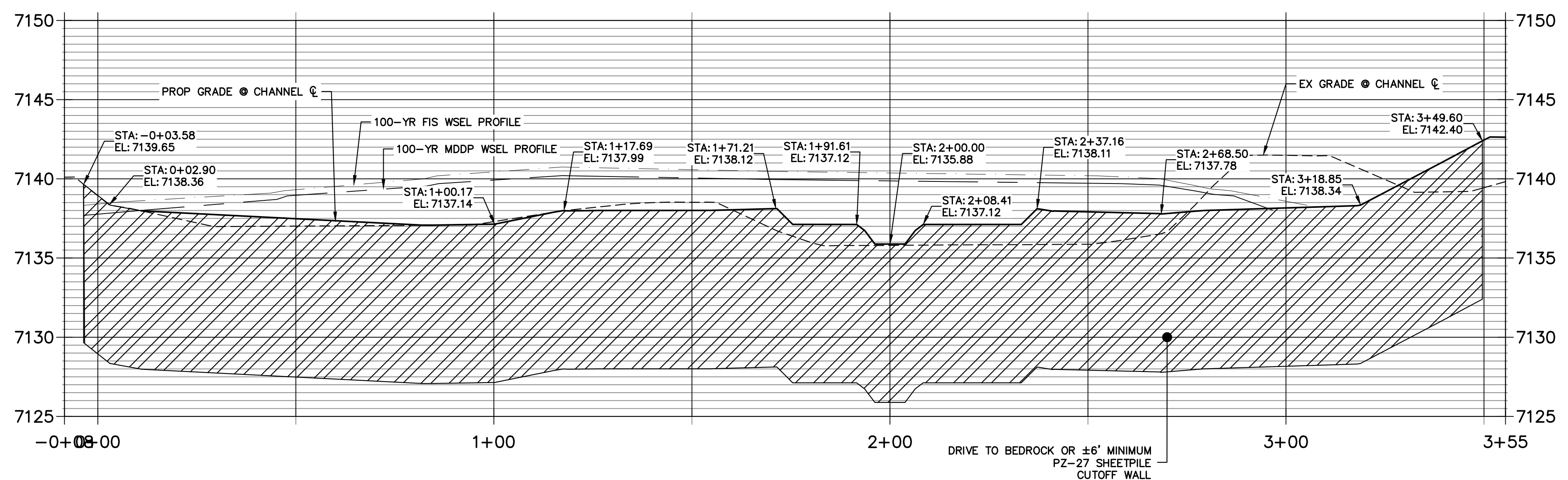
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**GRouted STEPPED BOULDER DROP #8 DETAIL
PLAN VIEW**
HORIZONTAL SCALE: 1"=20'

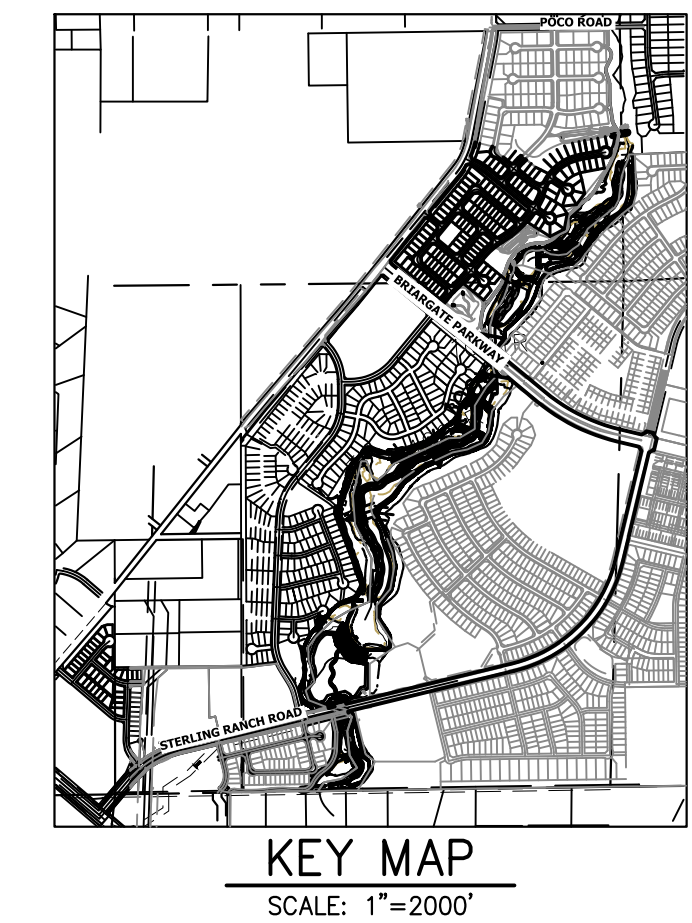


**GSB 8 SHEET PILE PROFILE
STA -0+08.44 TO 3+55.43**




ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23
DATE



UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE AS 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
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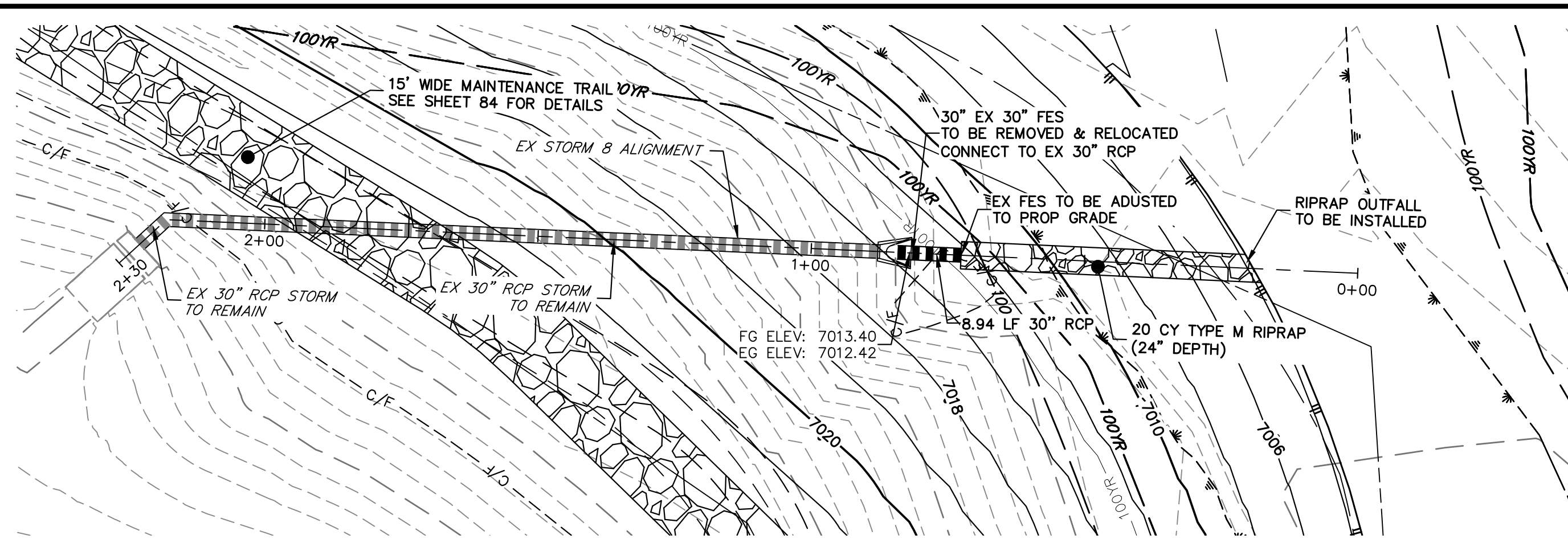
BY	DATE	REVISION

H-SCALE	1"=20'
V-SCALE	1"=5'
DATE	4/18/23
DESIGNED BY	DJV
DRAWN BY	NEO
CHECKED BY	

SAND CREEK RESTORATION
GSB DETAILS

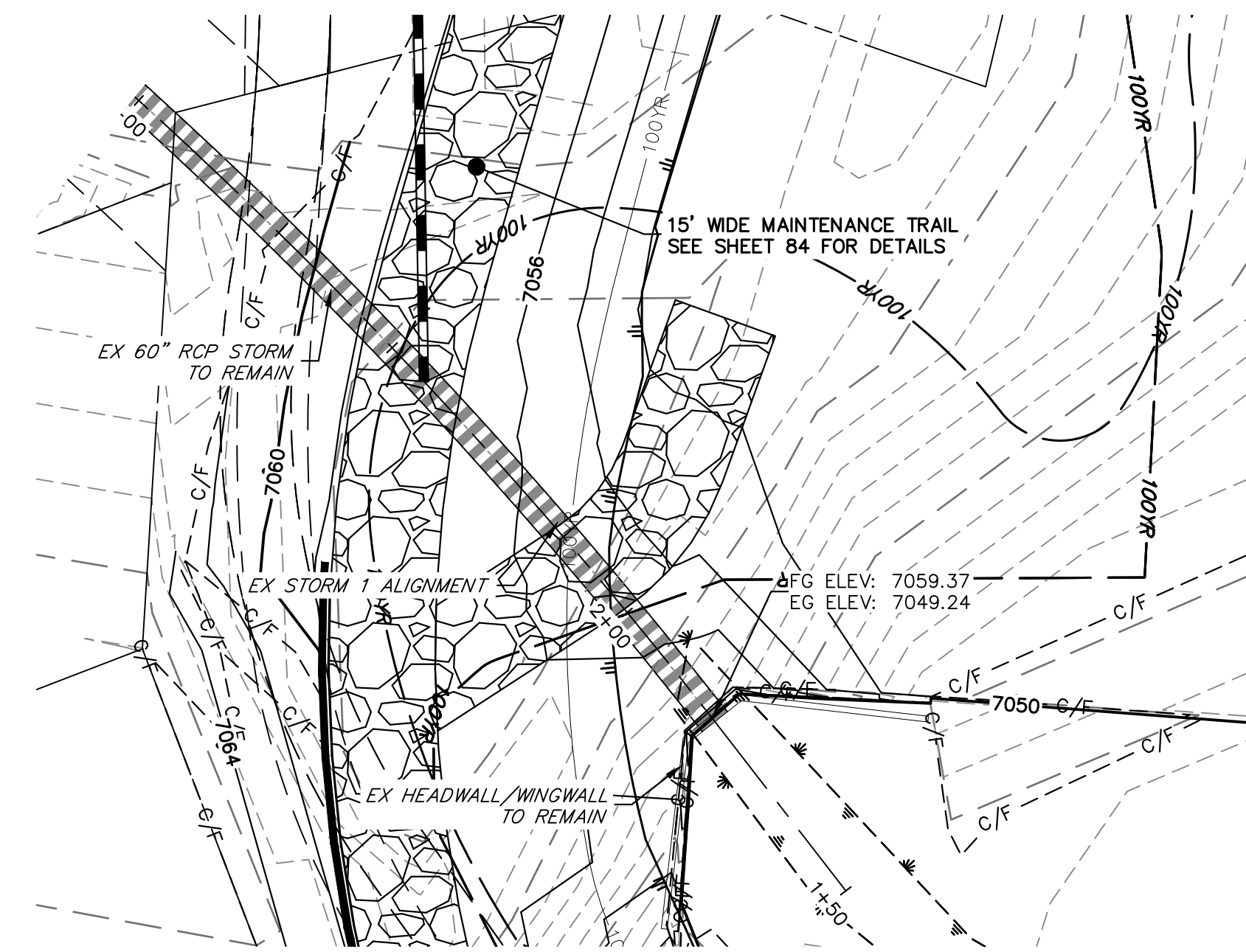
SHEET 66 OF 121
JOB NO. 25188.04

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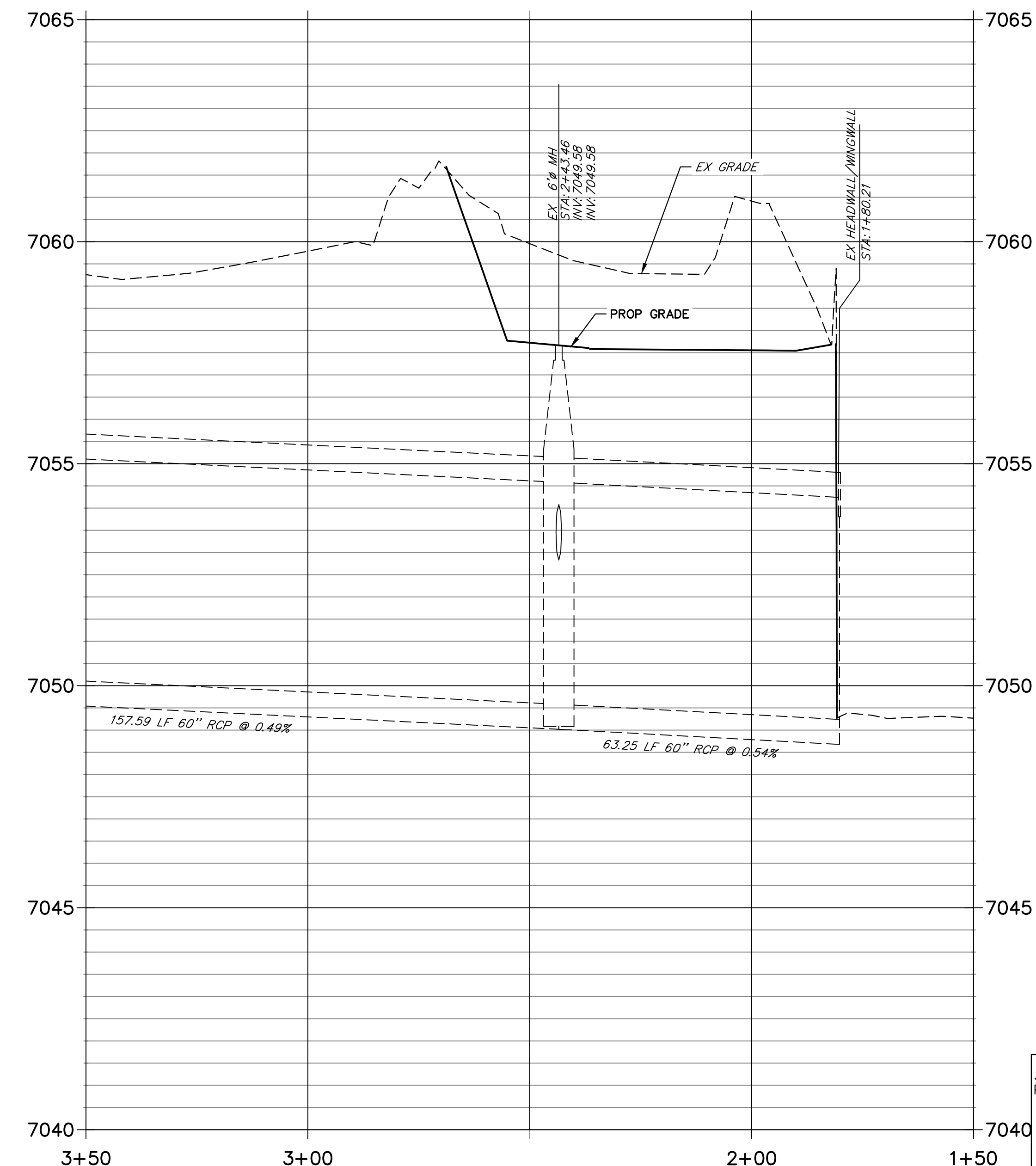
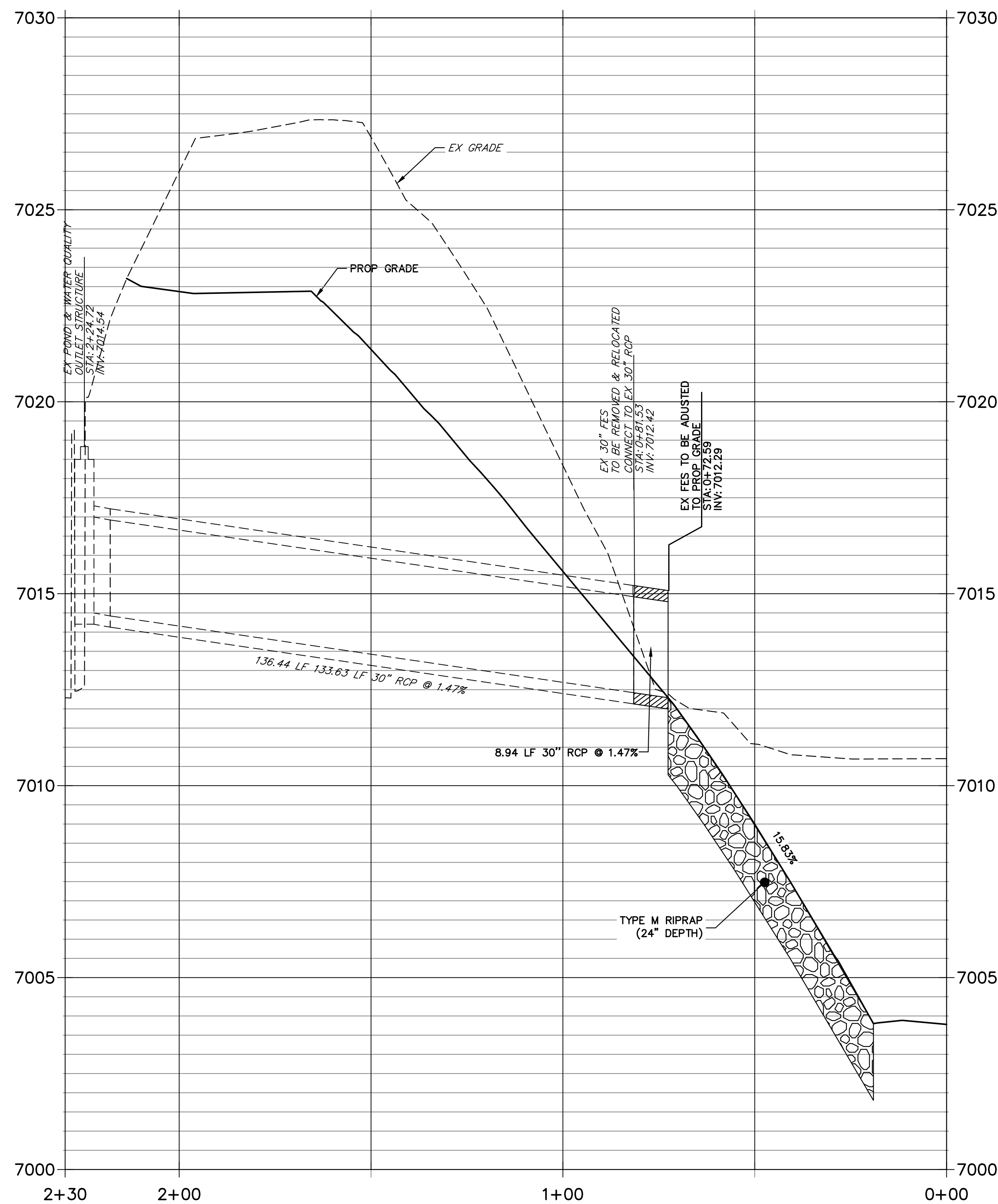
SEE STERLING RANCH FILING NO. 1 PLANS FOR AS BUILT
(BY M&S CIVIL)

**EX STORM 8
STA 0+00.00 TO 2+29.72**



SEE STERLING RANCH FILING NO. 1 PLANS FOR AS BUILT
(BY M&S CIVIL)

**EX STORM 1
STA 1+50.00 TO 3+50.00**



BENCHMARK

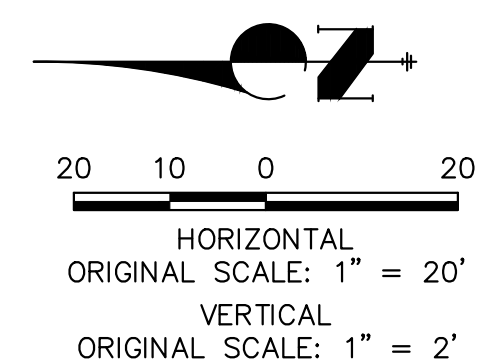
1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "3853" AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PANNEE RANCHEROS SUBDIVISION
NORTHING = 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.



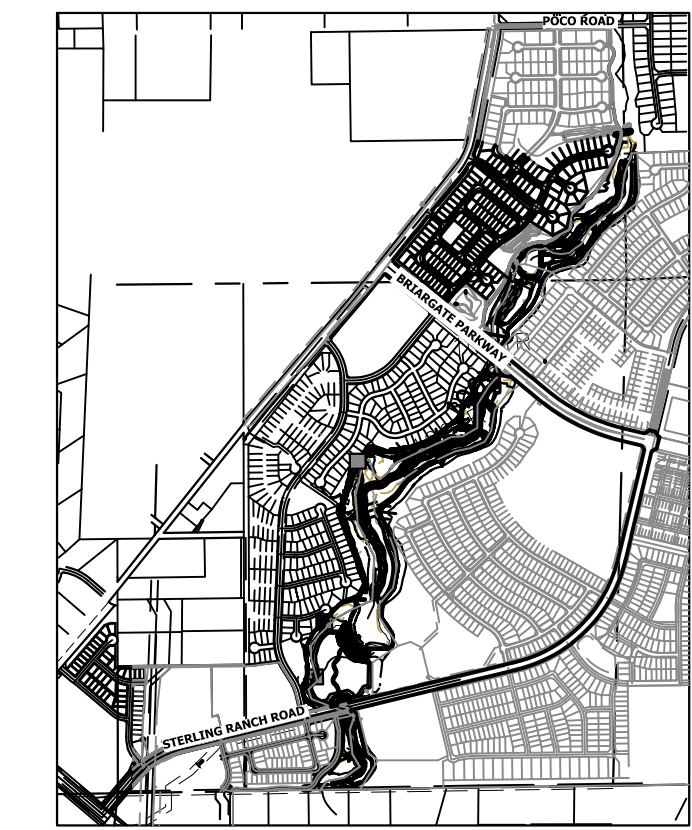
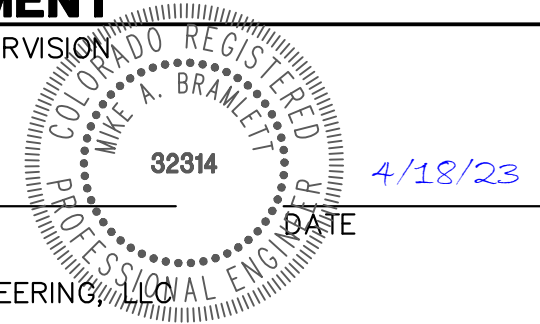
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Call before you dig.



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



KEY MAP
SCALE: 1"=2000'

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USES 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
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BY	DATE	No.	REVISION

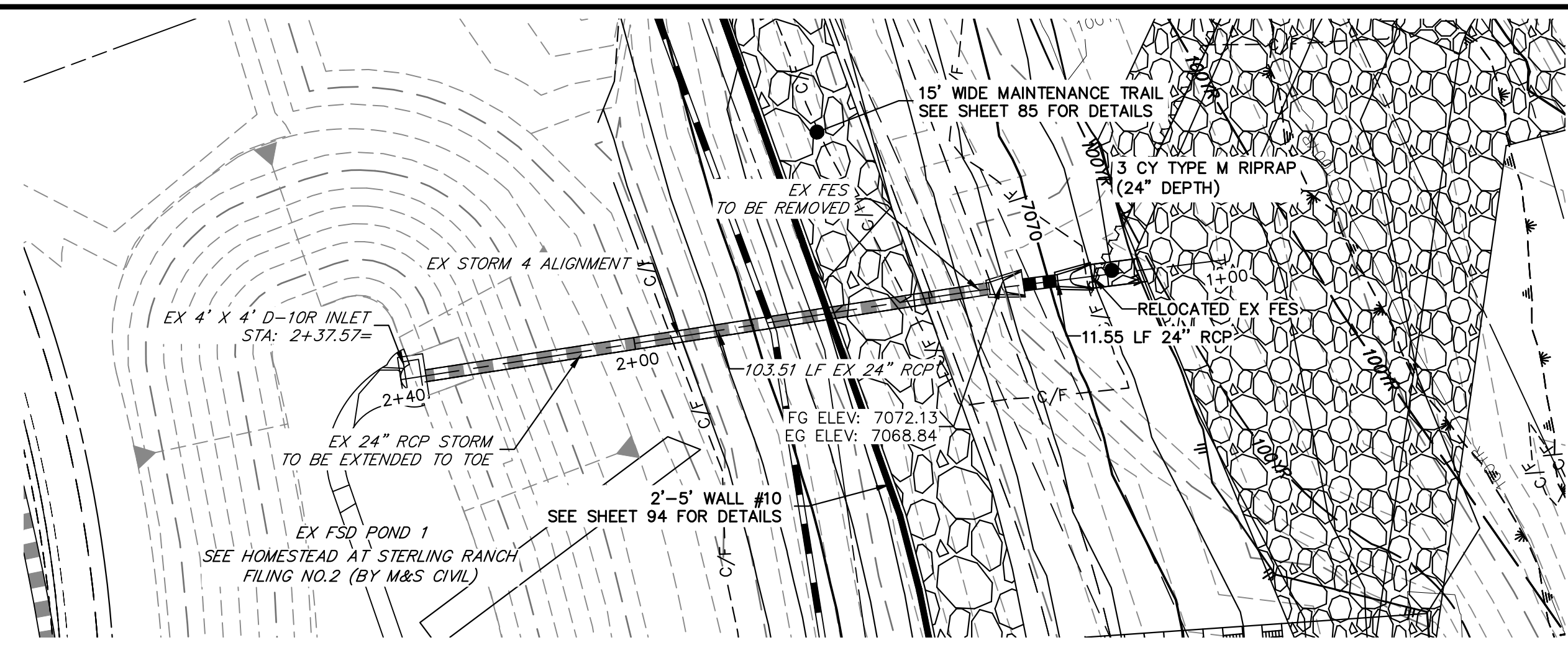
H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=20'	1"=2'	4/18/23	DJV	NEO	

SAND CREEK RESTORATION

STORM PLAN & PROFILE

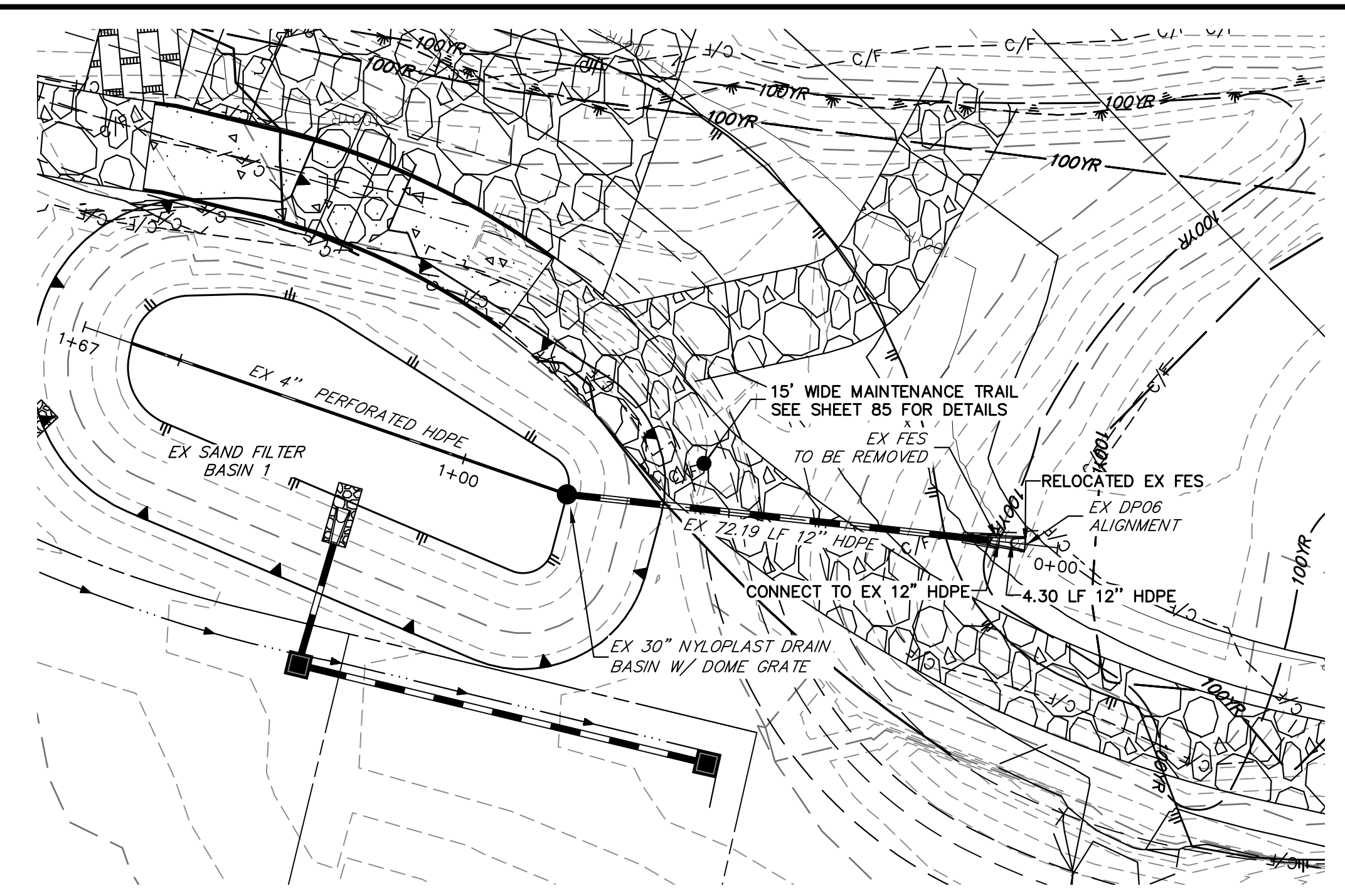
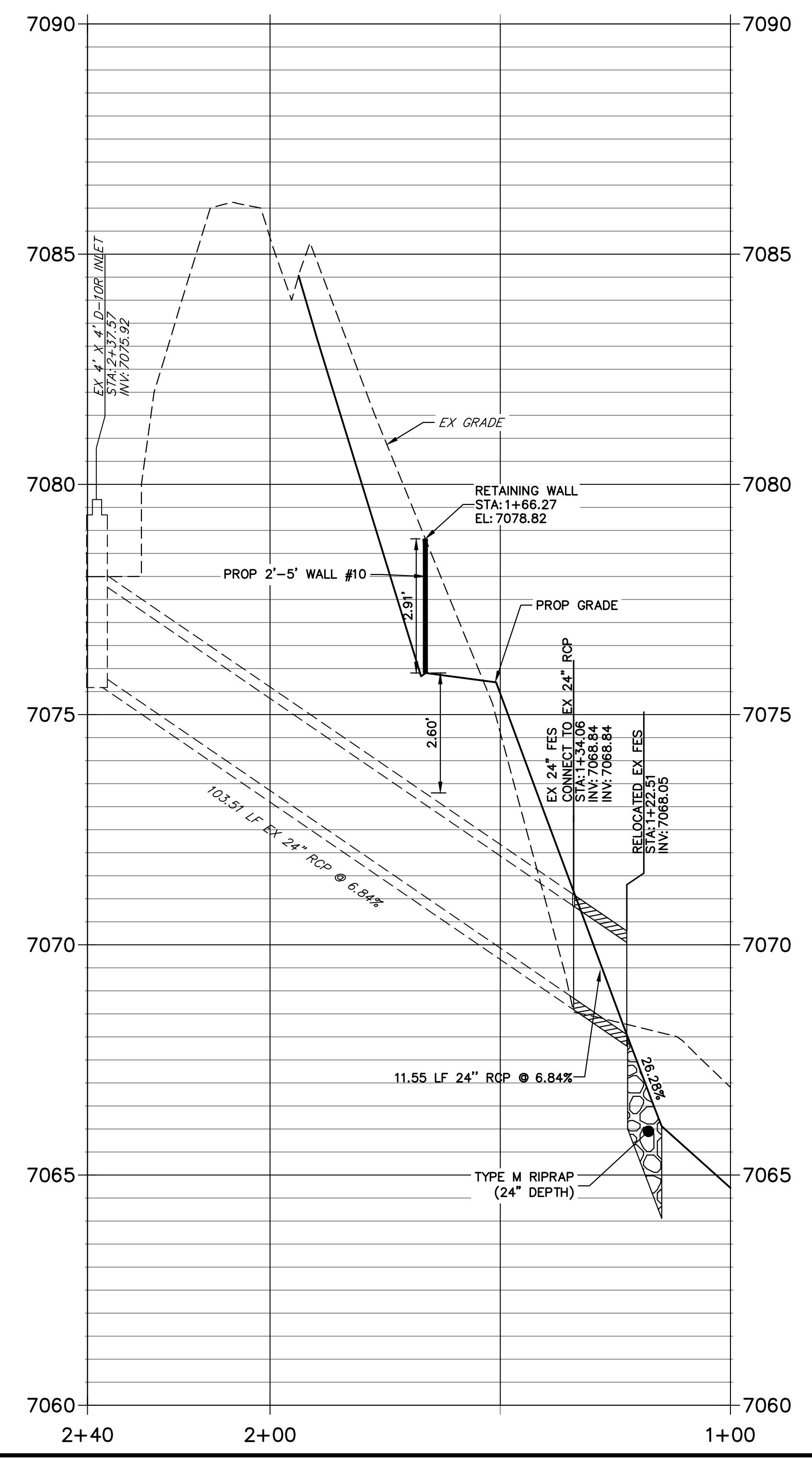
SHEET 68 OF 121

JOB NO. 25188.04



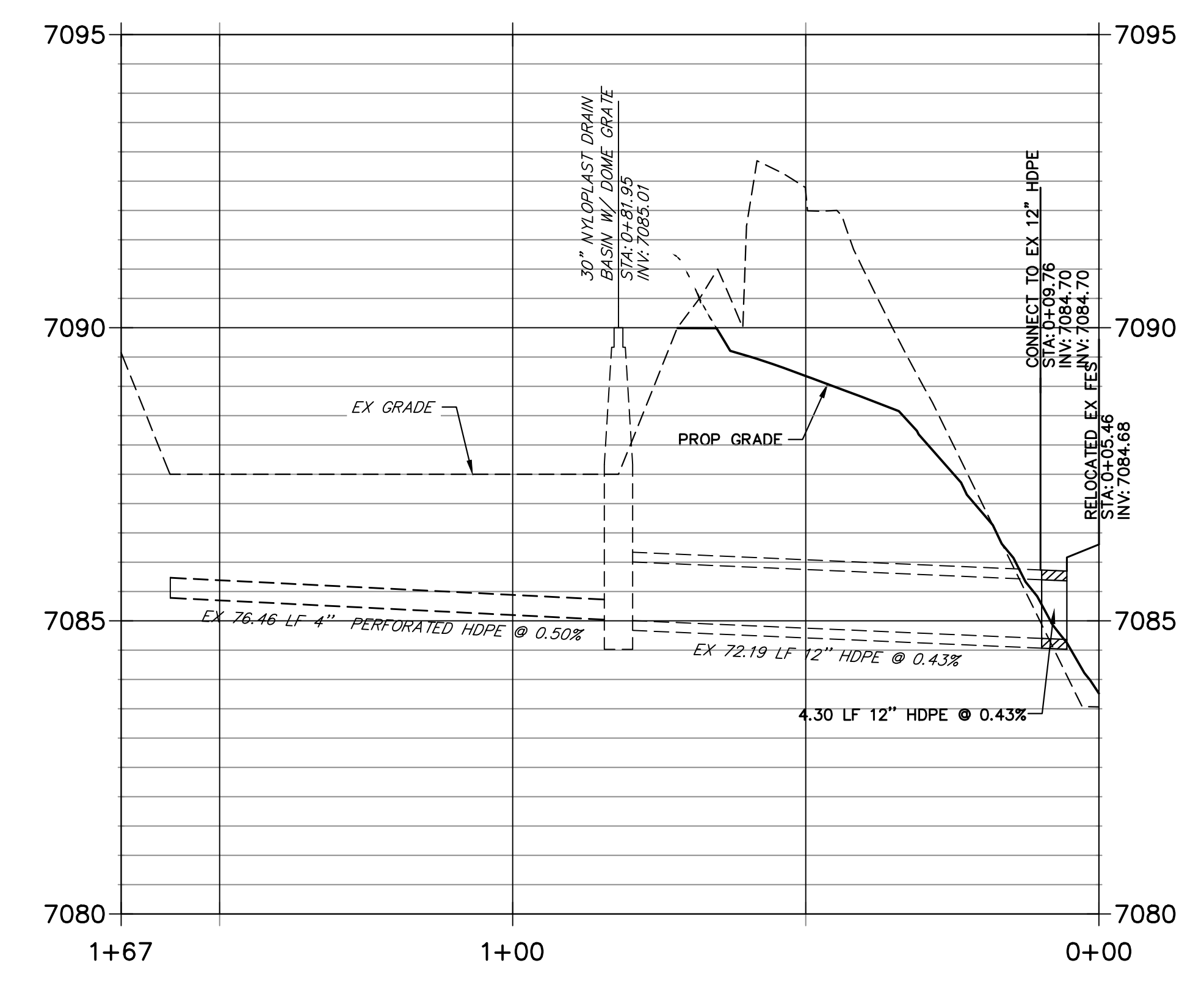
SEE STERLING RANCH FILING NO. 1 PLANS FOR AS BUILTS
(BY M&S CIVIL)

EX STORM 4 (PRIVATE) STA 1+00.00 TO 2+39.64



SEE HOMESTEAD 2 COMMONS SAND FILTER STORM PLANS FOR AS BUILTS
(BY JR ENGINEERING)

EX DP06 STA 0+00.00 TO 1+66.80

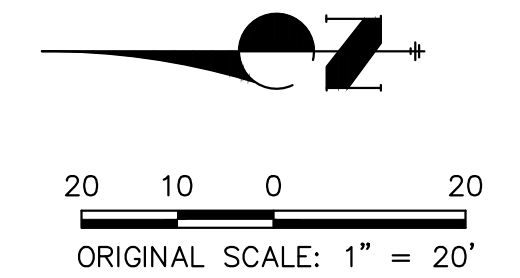


- BENCHMARK**
1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
 2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION
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.



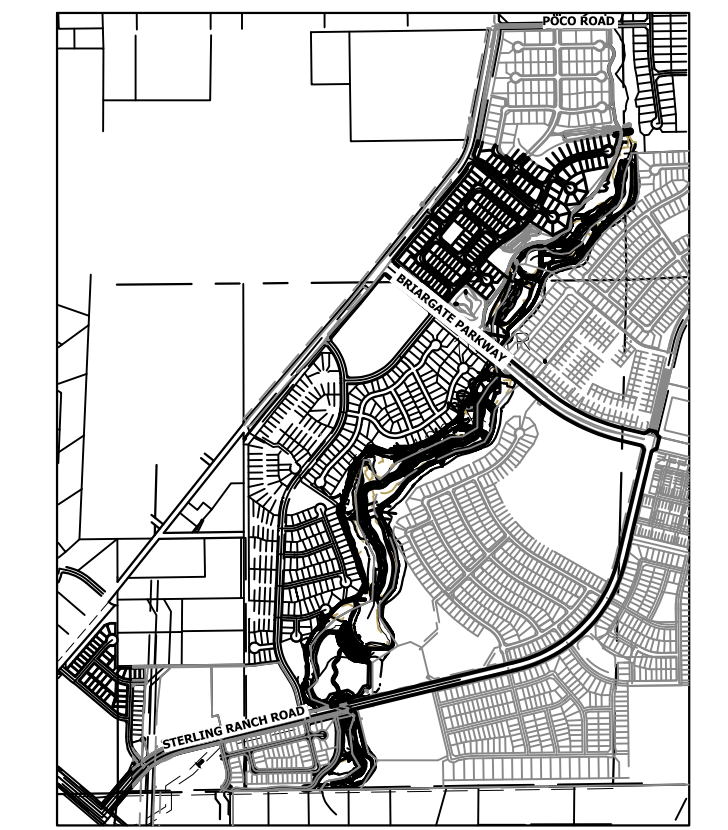
Know what's below.
Call before you dig.



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
32814
DATE 4/18/23

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



UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR 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

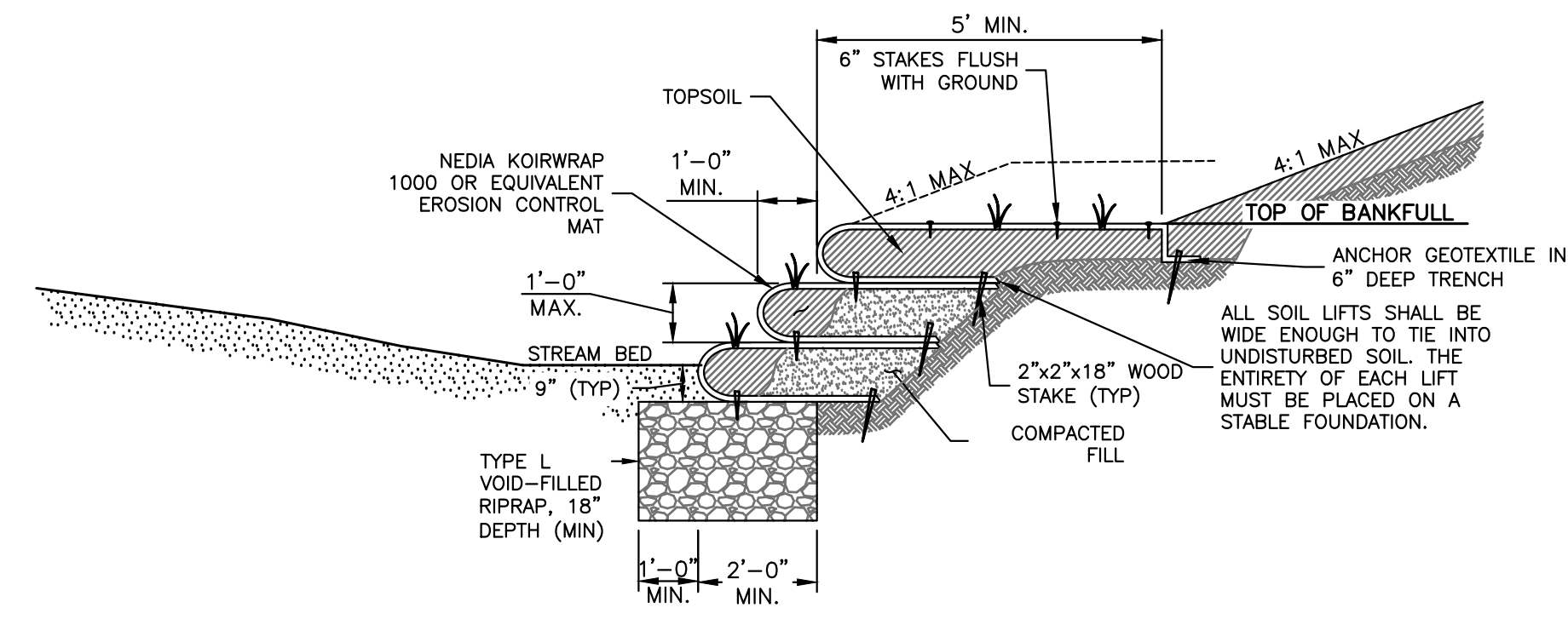
J.R. ENGINEERING
A Westman Company

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

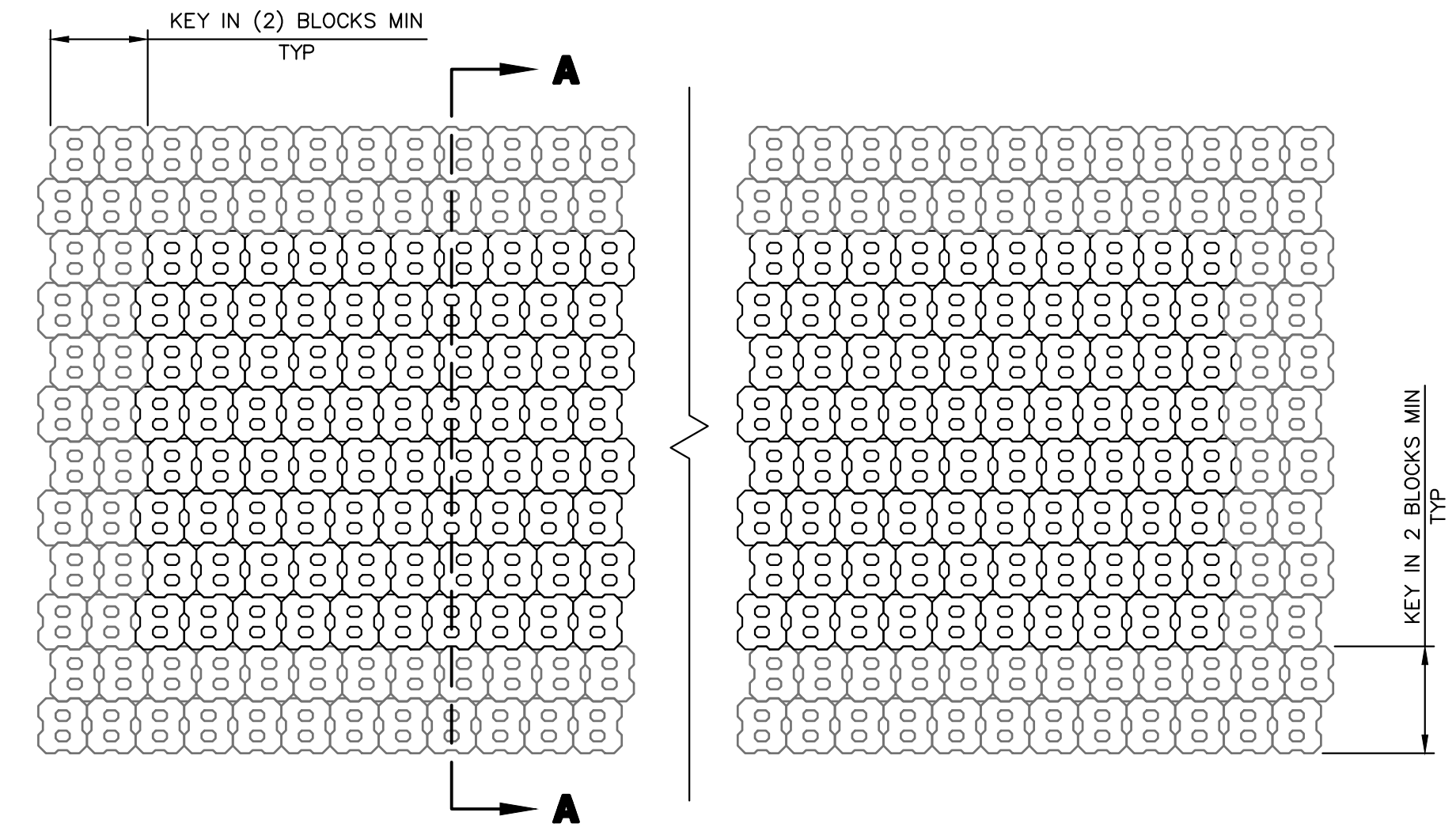
BY	DATE	REVISION

SAND CREEK RESTORATION
STORM PLAN & PROFILE

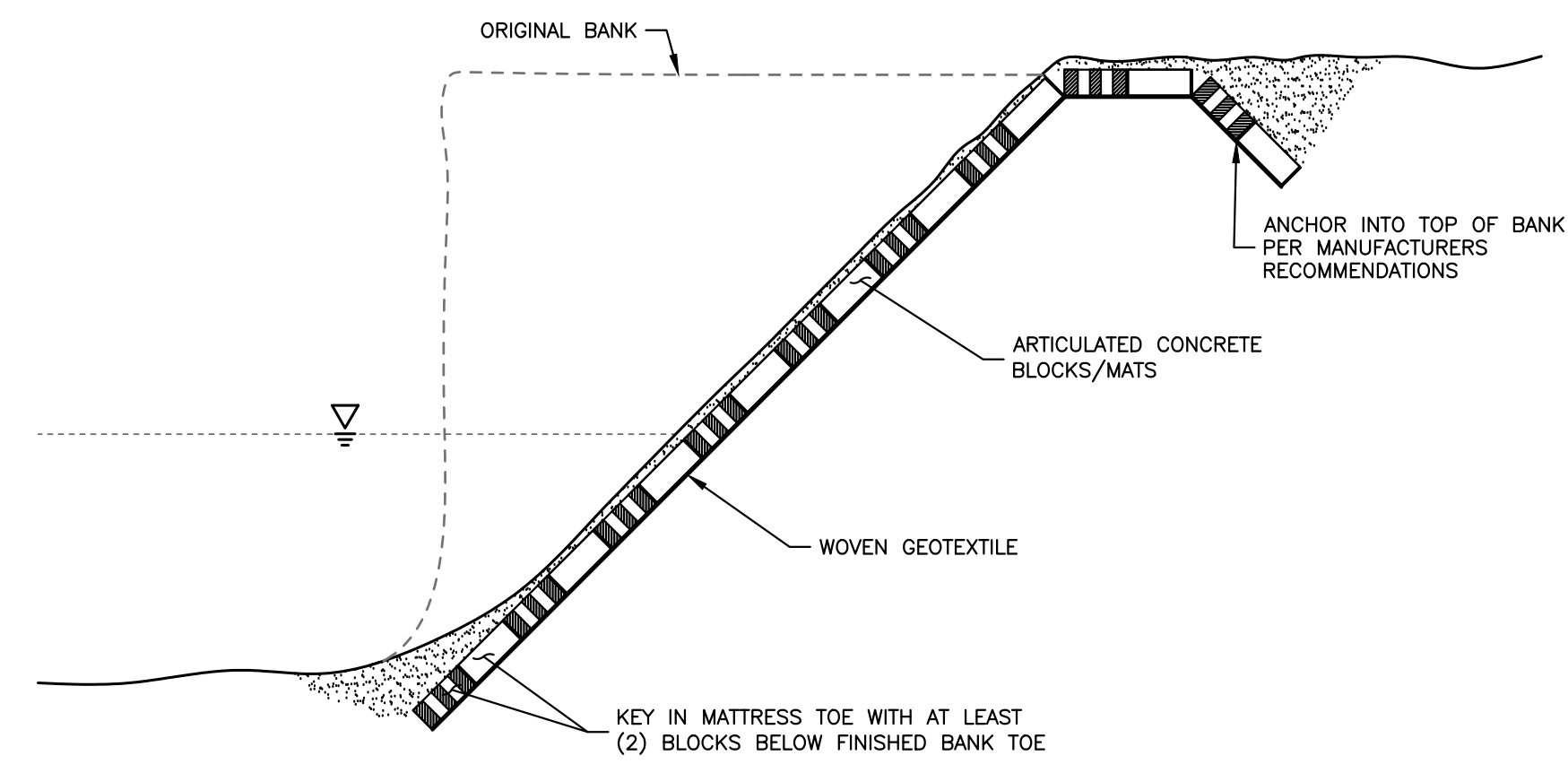
SHEET 70 OF 121
JOB NO. 25188.04



SOIL LIFT TYPICAL SECTION
NTS




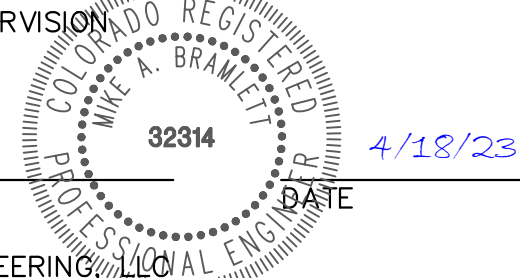
PLAN
NTS



SECTION A-A
NTS

ARTICULATED CONCRETE BLOCK MATS

ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION

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

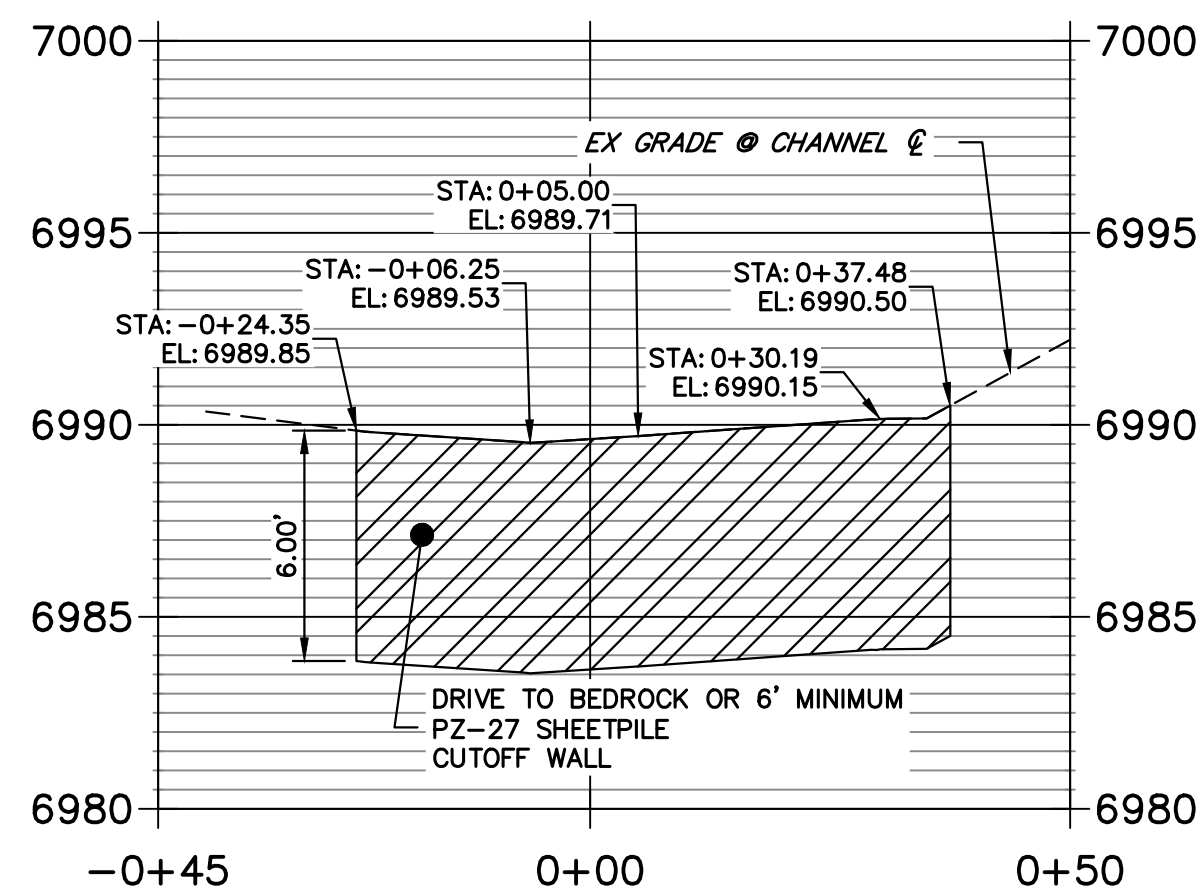


DATE: 4/18/23

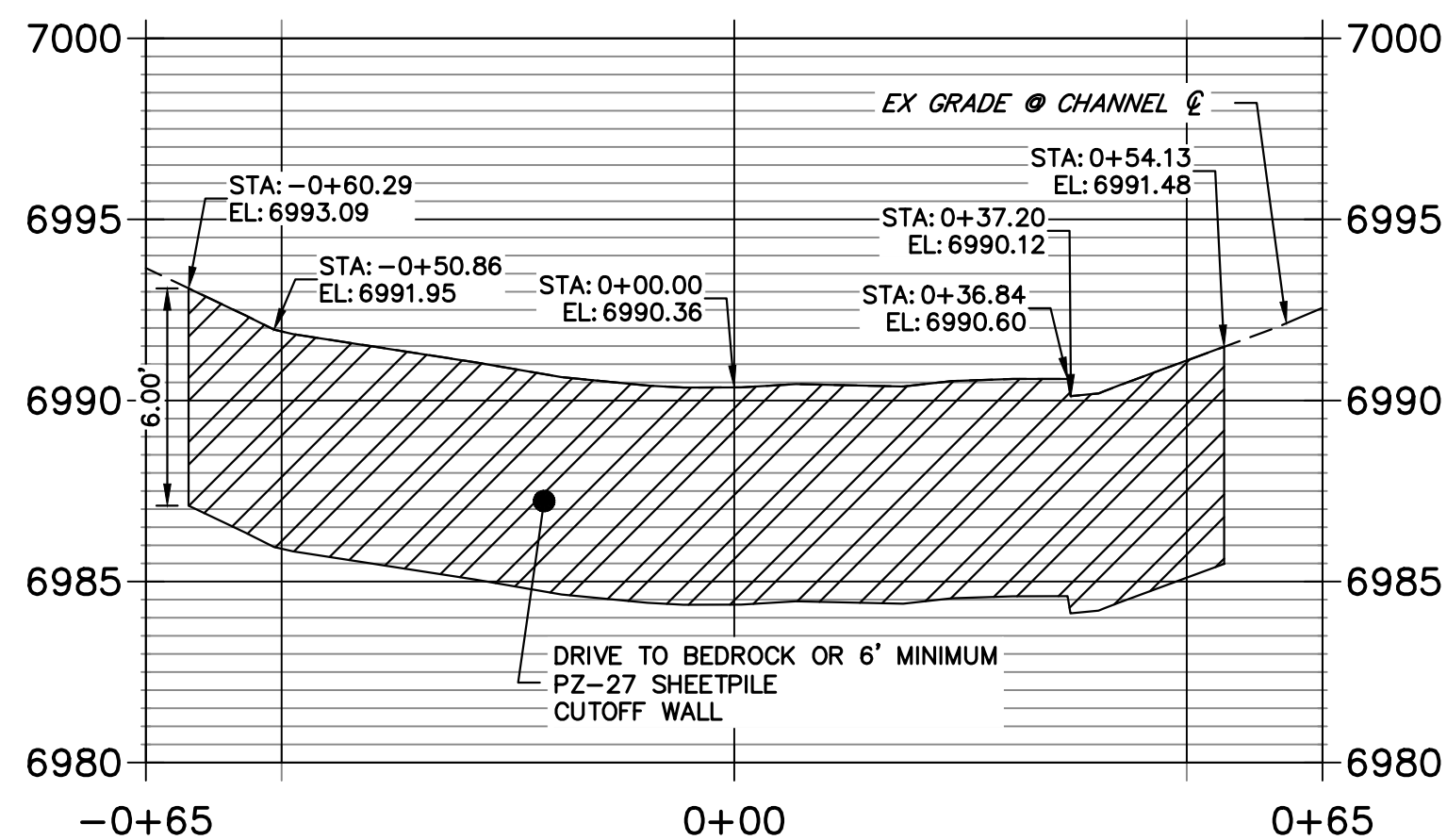
SAND CREEK RESTORATION CONSTRUCTION DETAILS	BY	DATE	No.	REVISION	H-SCALE	V-SCALE	NA	NA	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
							NA	NA	4/18/23	DJV	DJV	DJV
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION. 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 Centennial 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com												
SHEET 71 OF 121 JOB NO. 25188.04												

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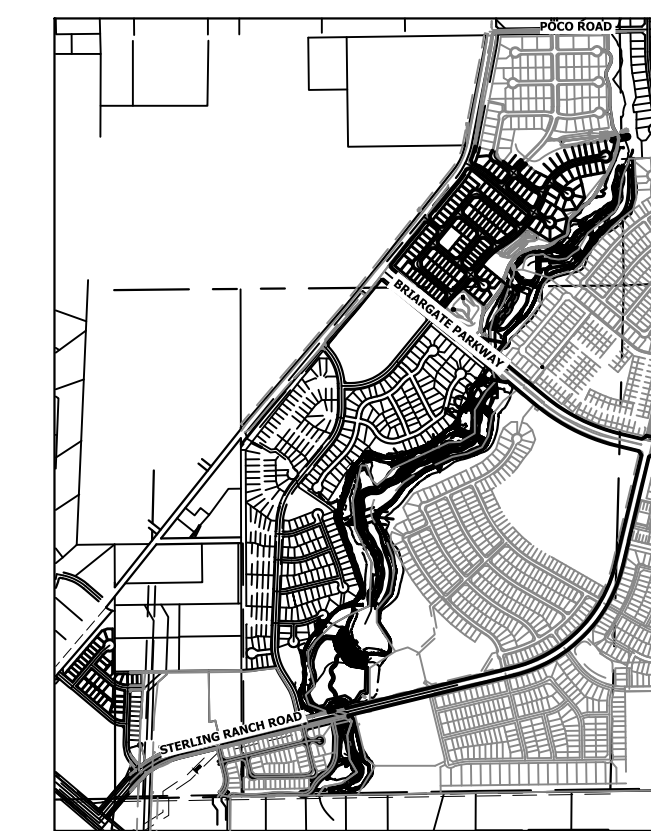
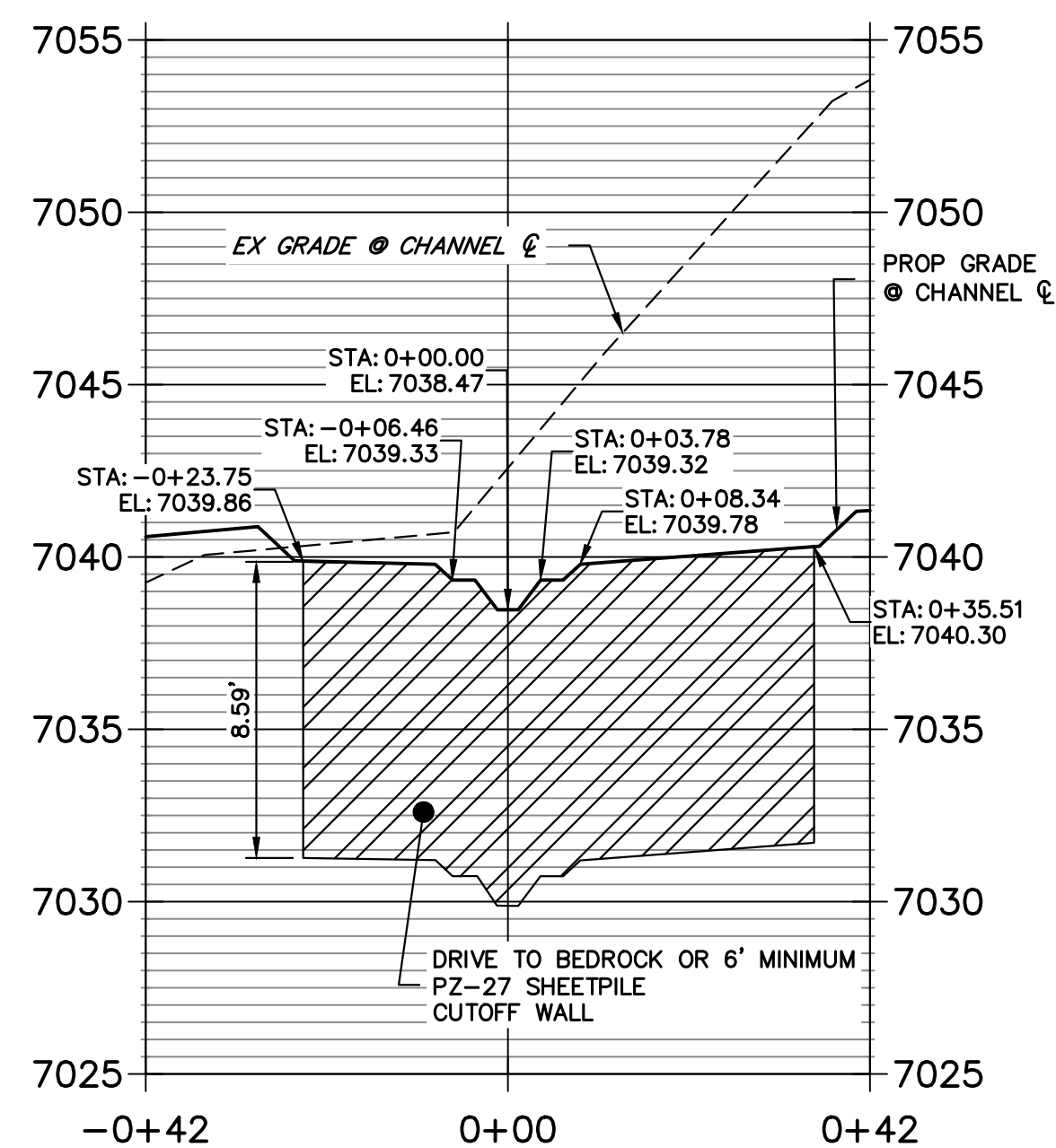
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STA -0+45.00 TO 0+50.00**



**SHEET PILE CUTOFF WALL #2
STA -0+65.00 TO 0+65.00**



**SHEET PILE CUTOFF WALL #3
STA -0+42.00 TO 0+42.00**



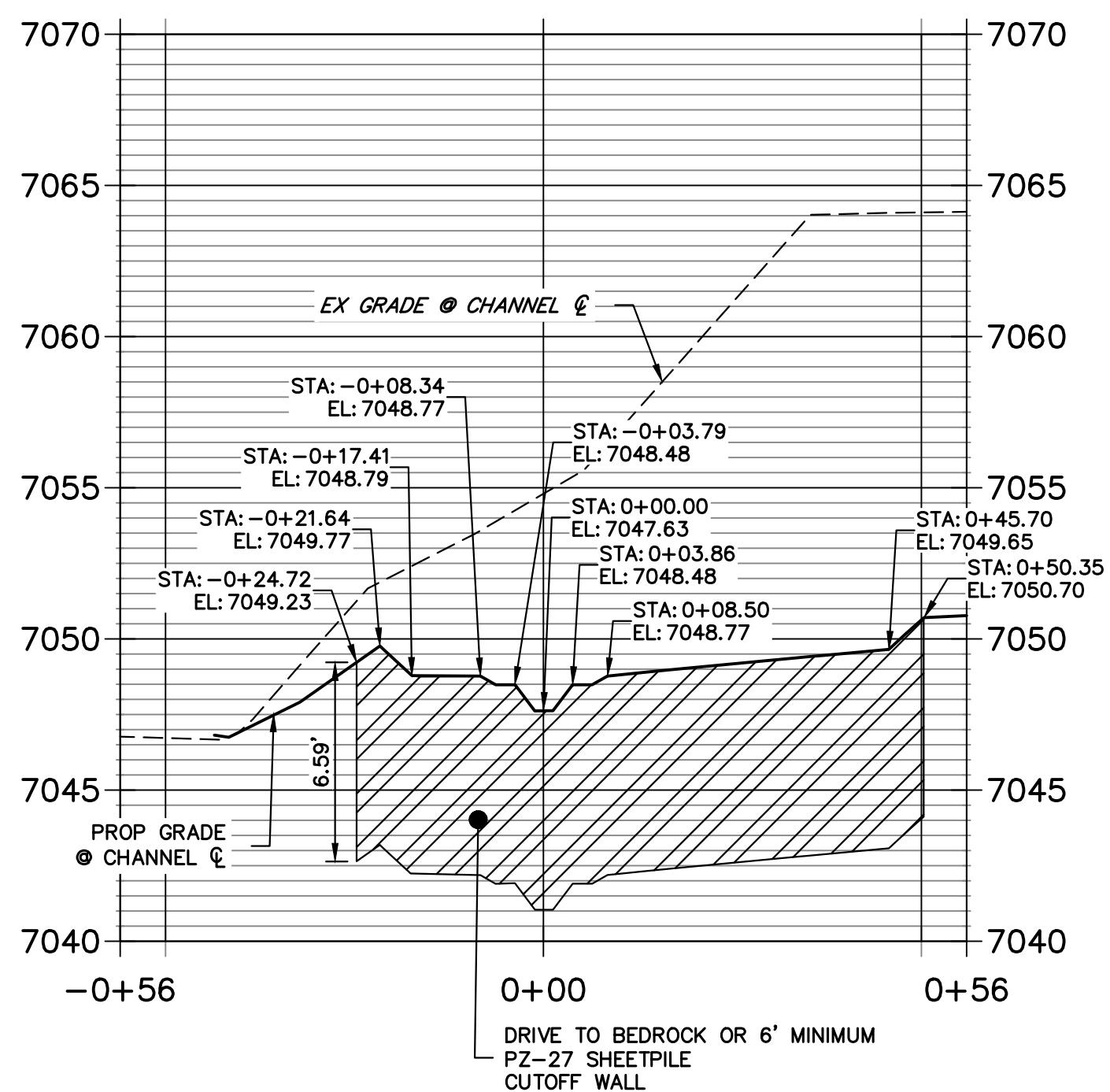
KEY MAP
SCALE: 1"=2000'

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

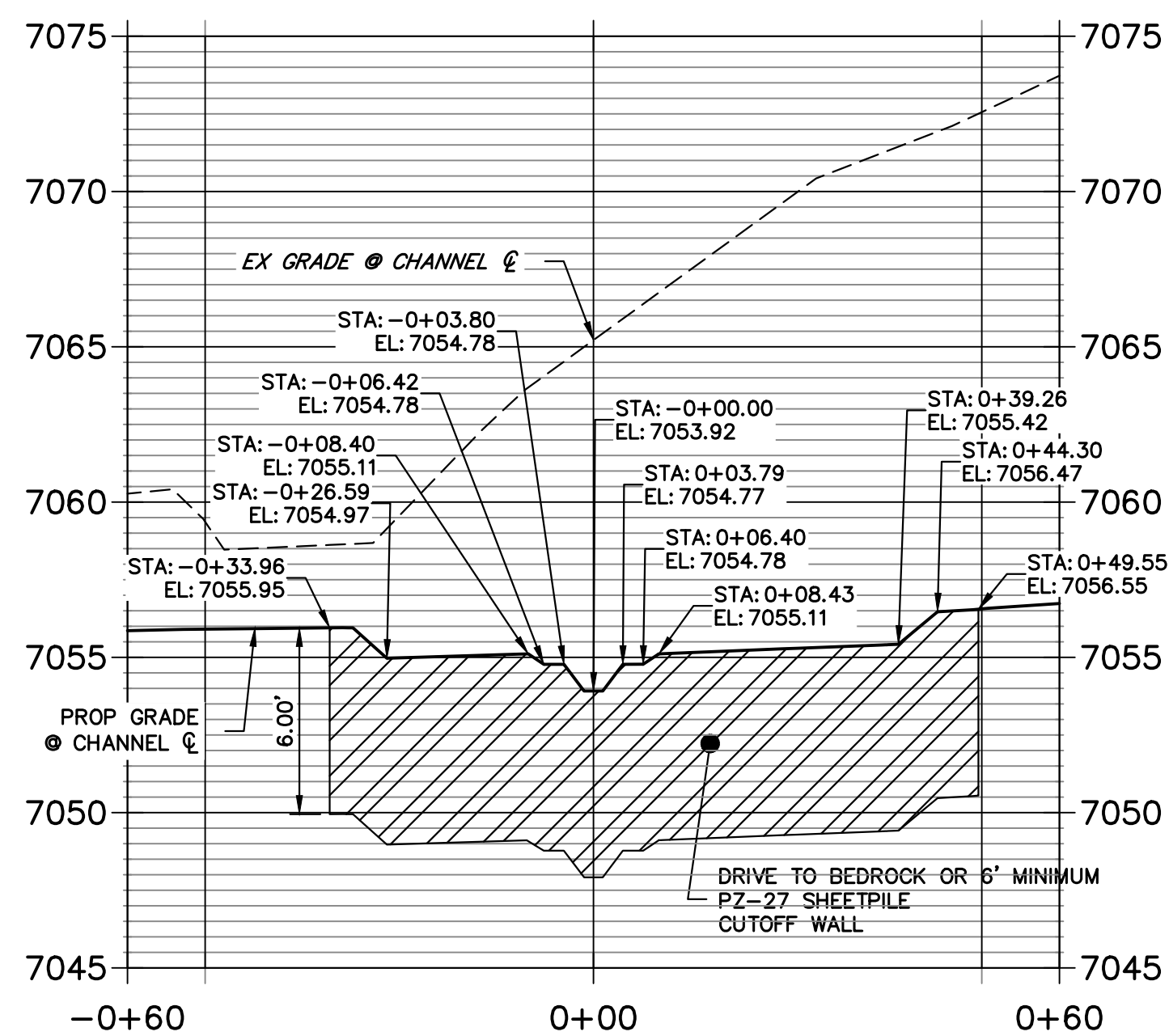
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
A Westman Company
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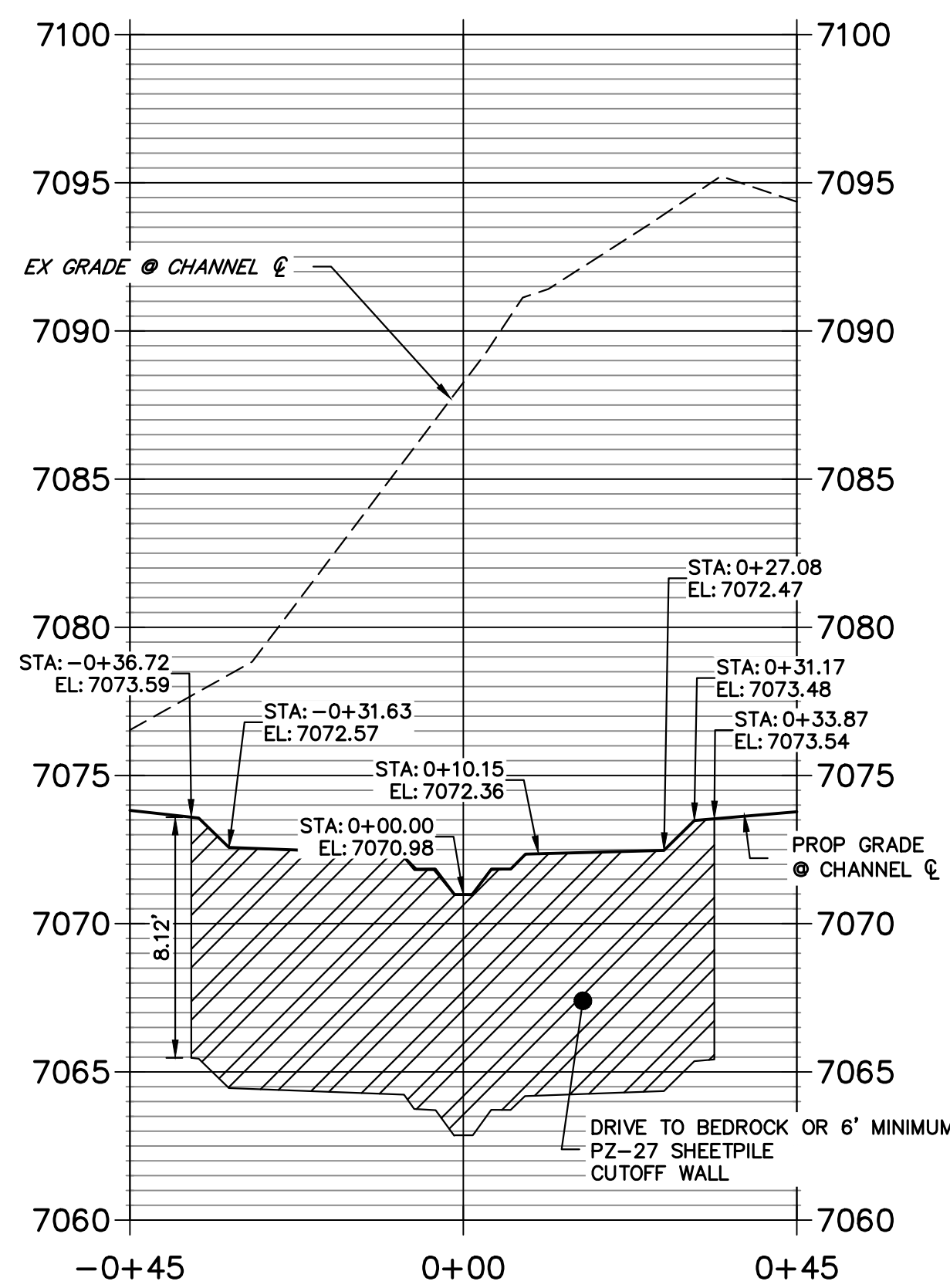
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STA -0+56.00 TO 0+55.99**



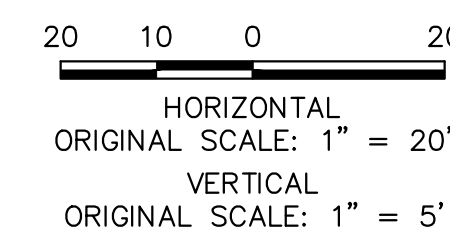
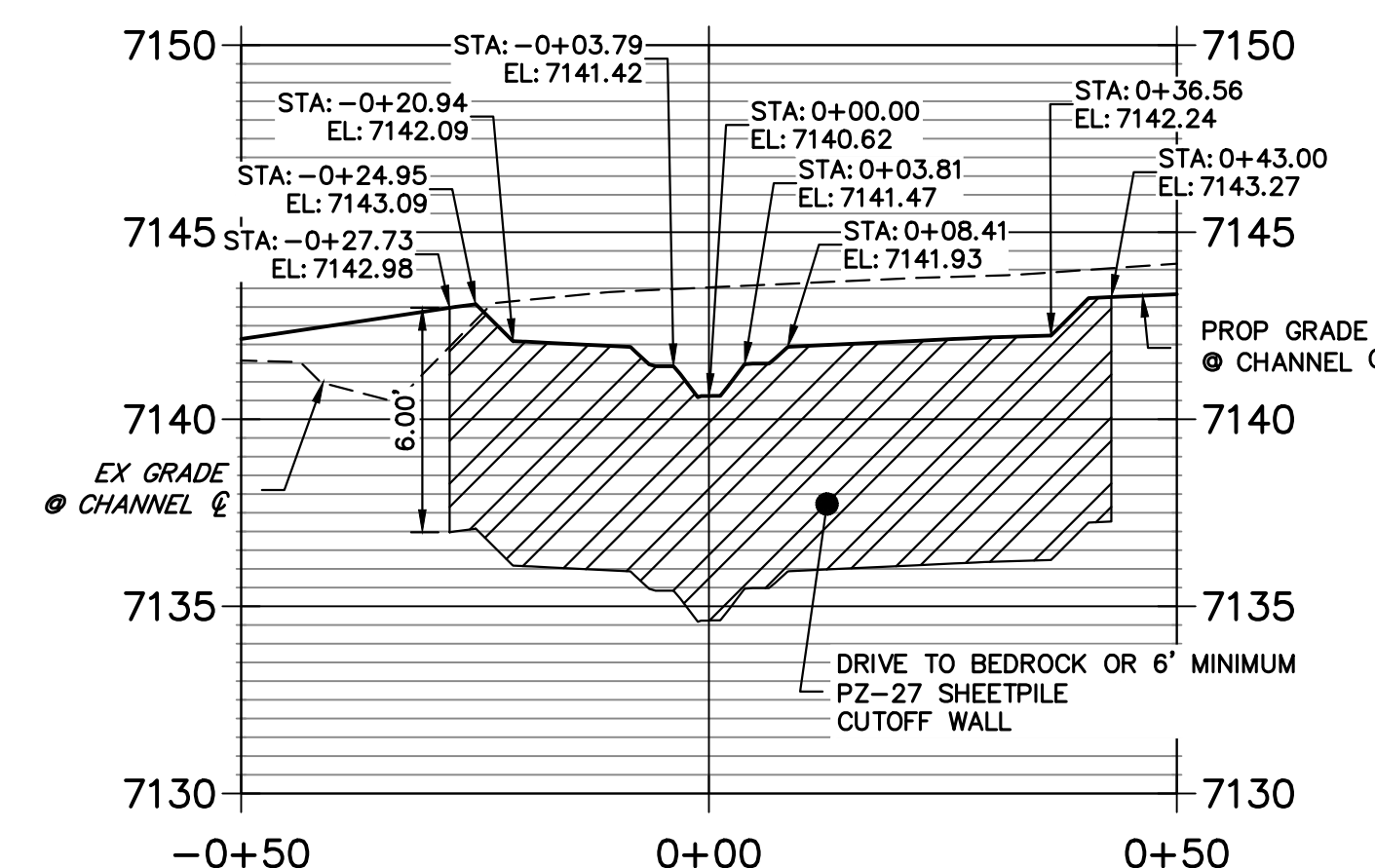
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**SHEET PILE CUTOFF WALL #7
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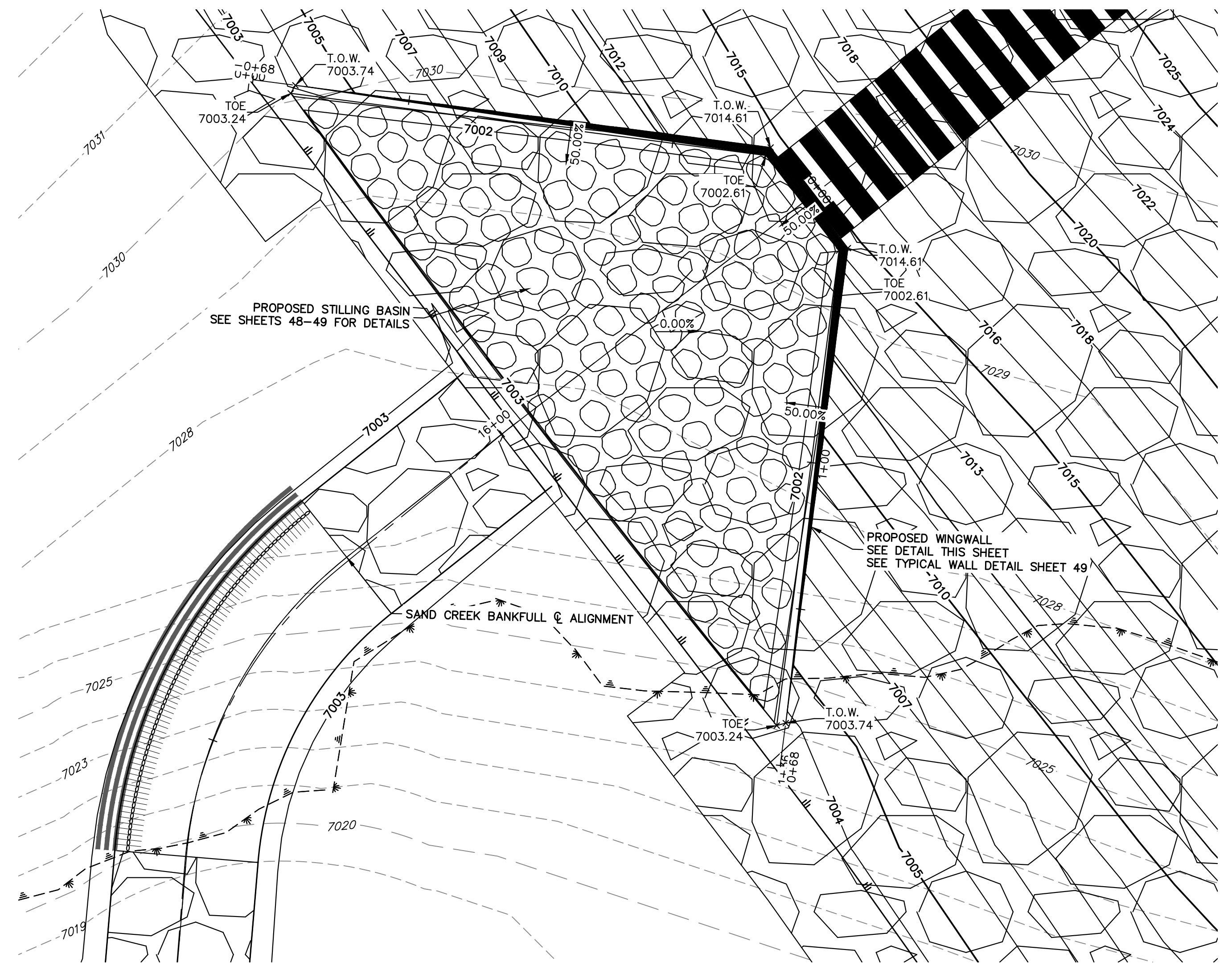
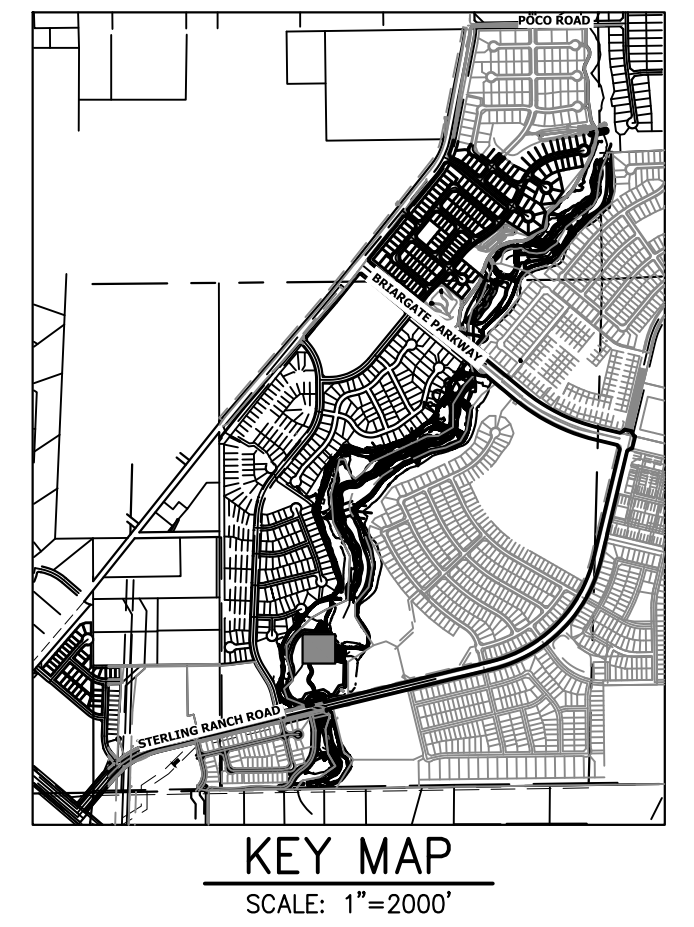
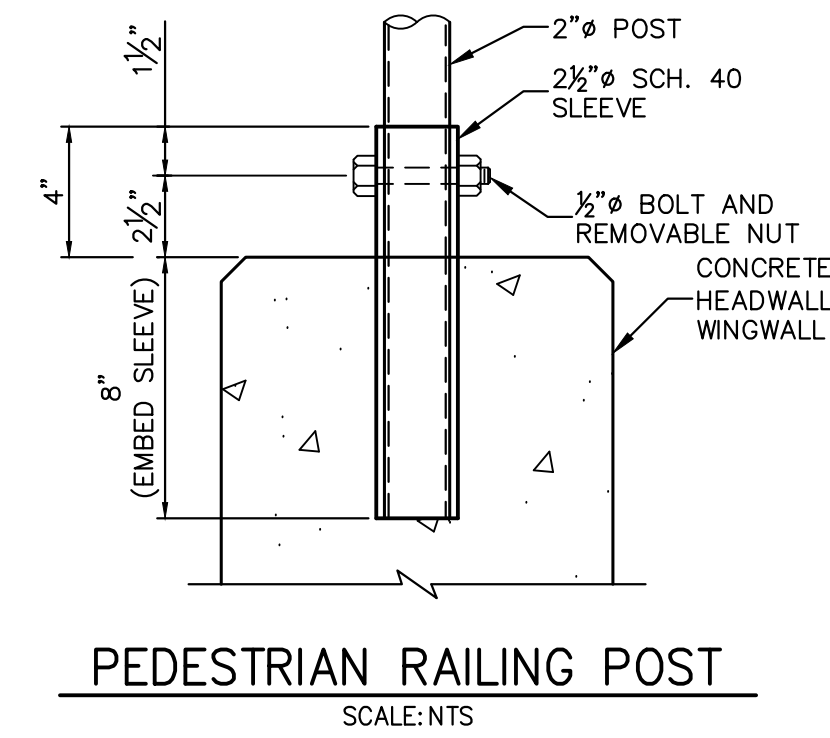
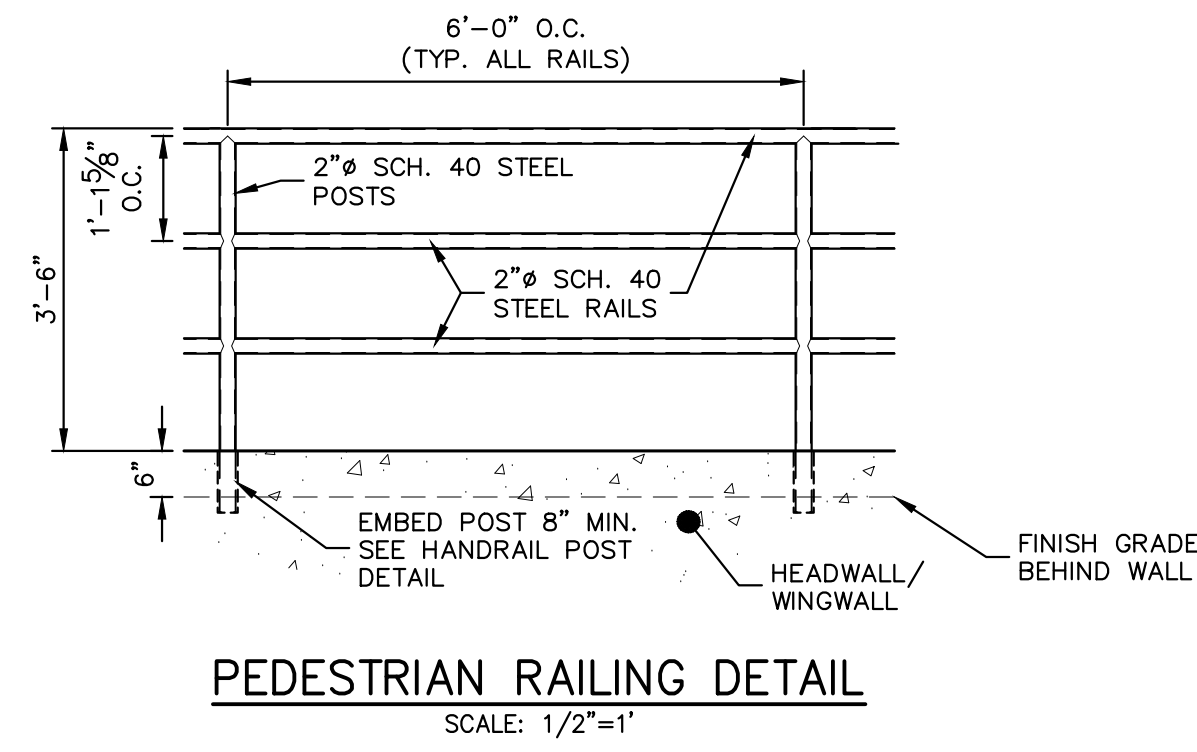
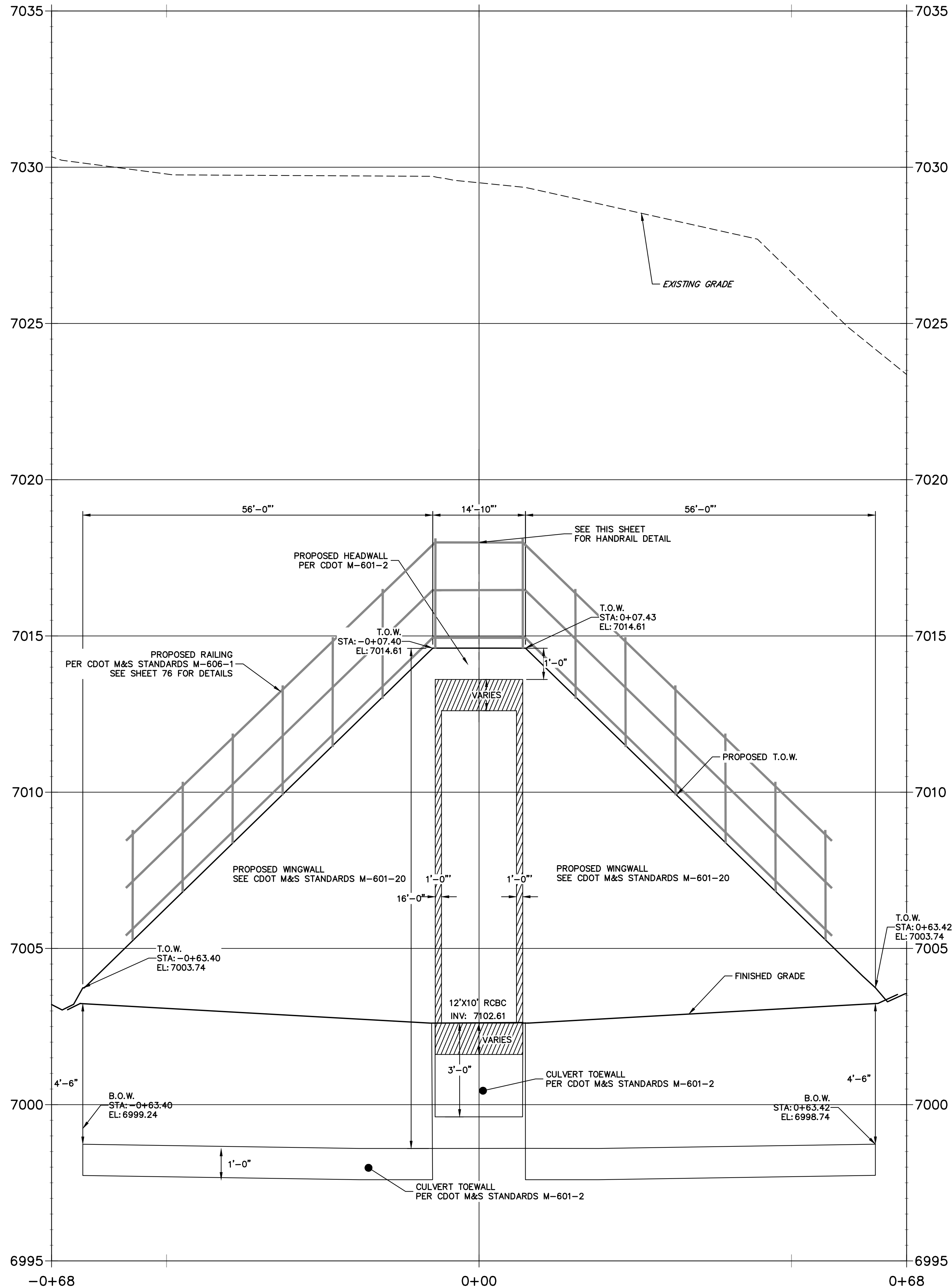
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING
DATE: 4/18/23

BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				1"=20'	1"=5'	4/18/23	DV	NEO	

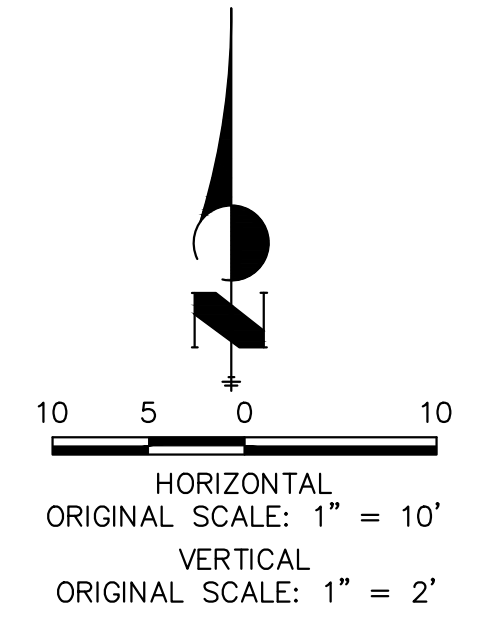
SAND CREEK RESTORATION
CONSTRUCTION DETAILS

SHEET 72 OF 121
JOB NO. 25188.04

**POND 1 STILLING BASIN WINGWALL PROFILE
STA -0+68.40 TO 0+68.42**



**POND 1 STILLING BASIN HEADWALL
WINGWALL PLAN VIEW**



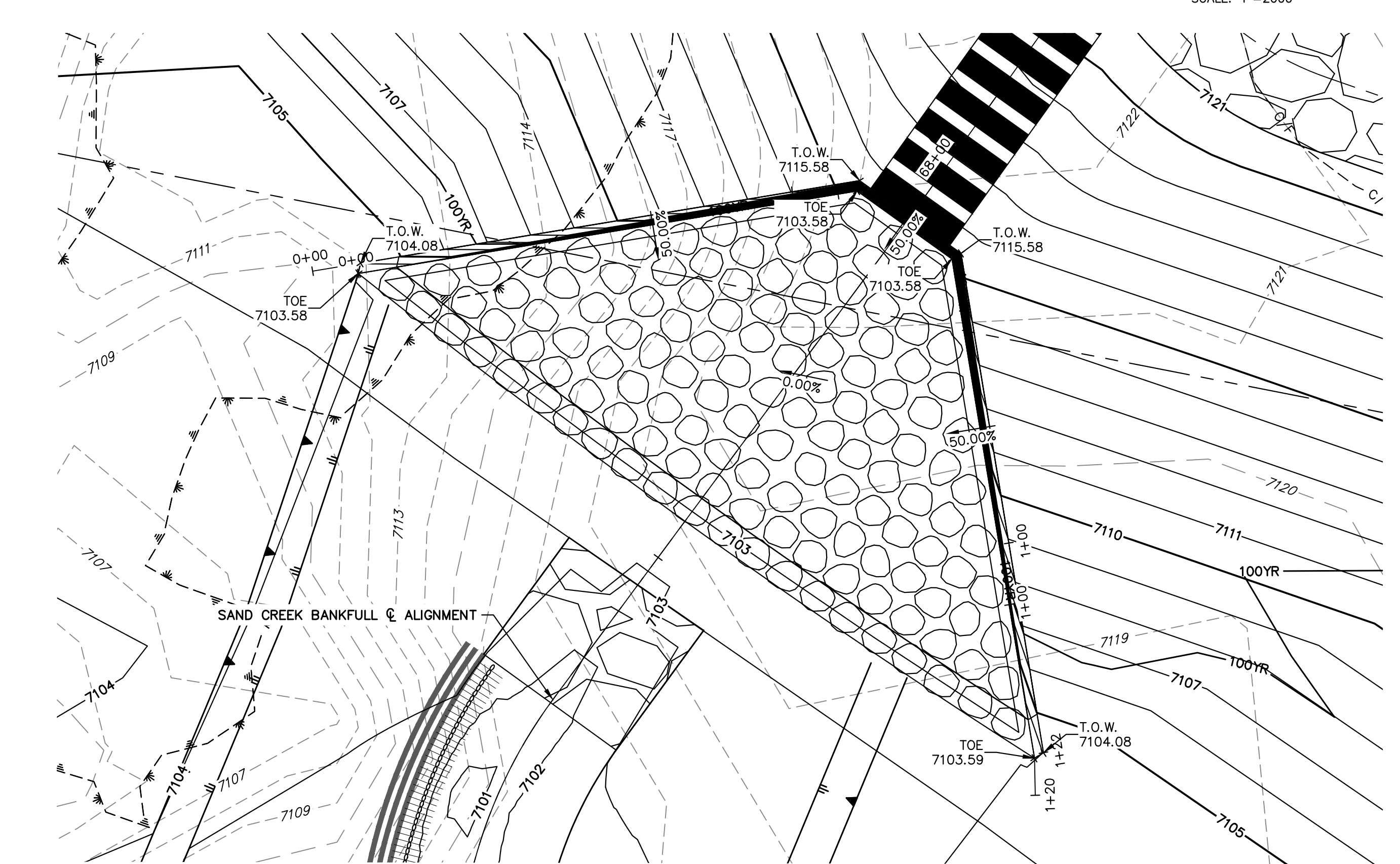
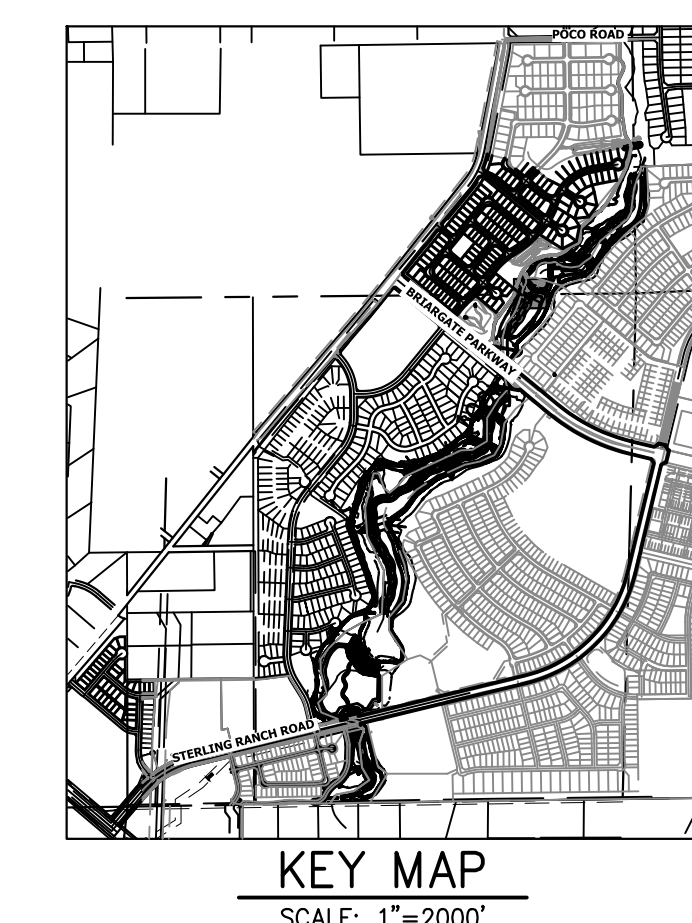
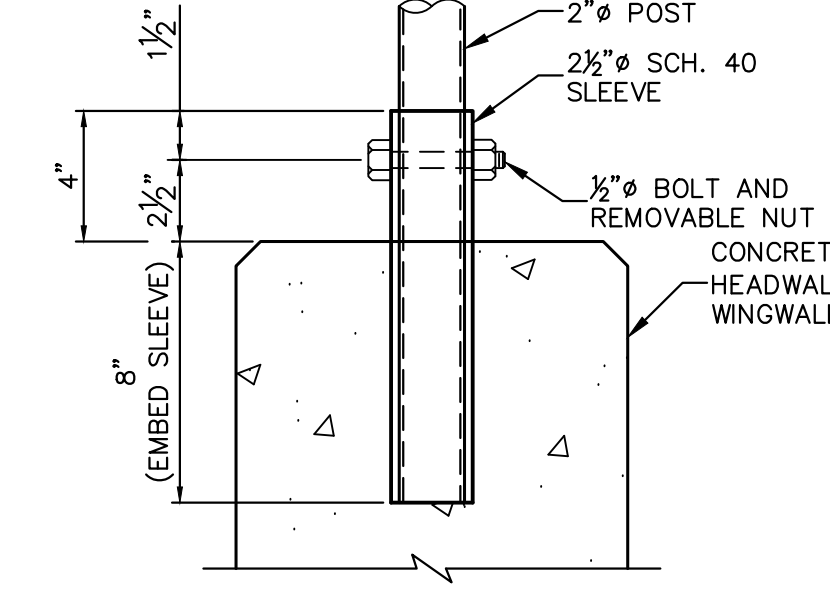
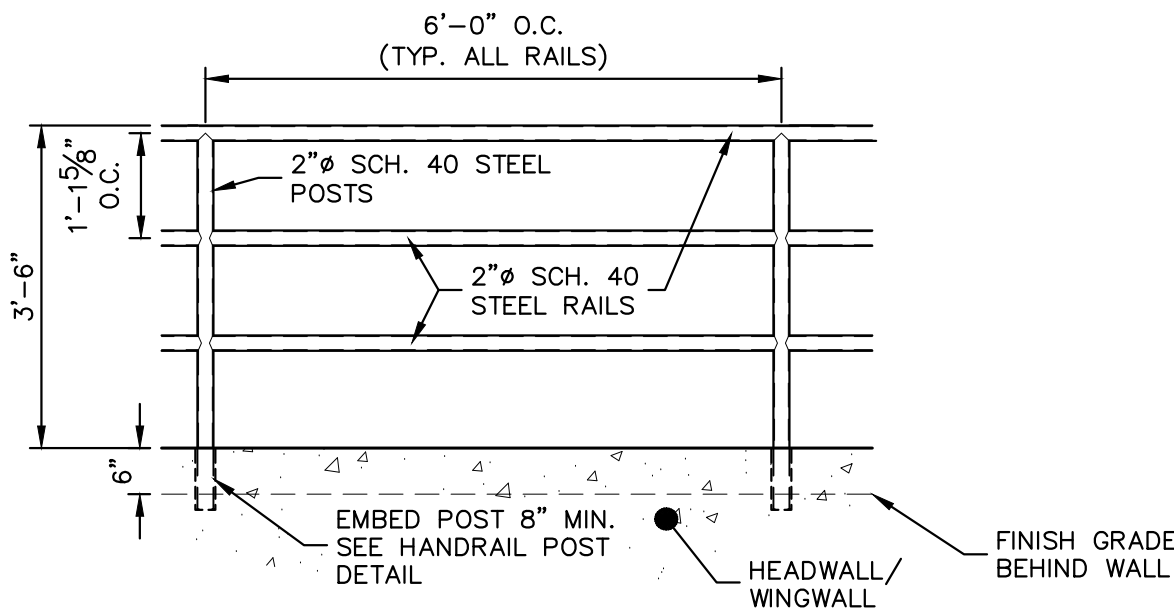
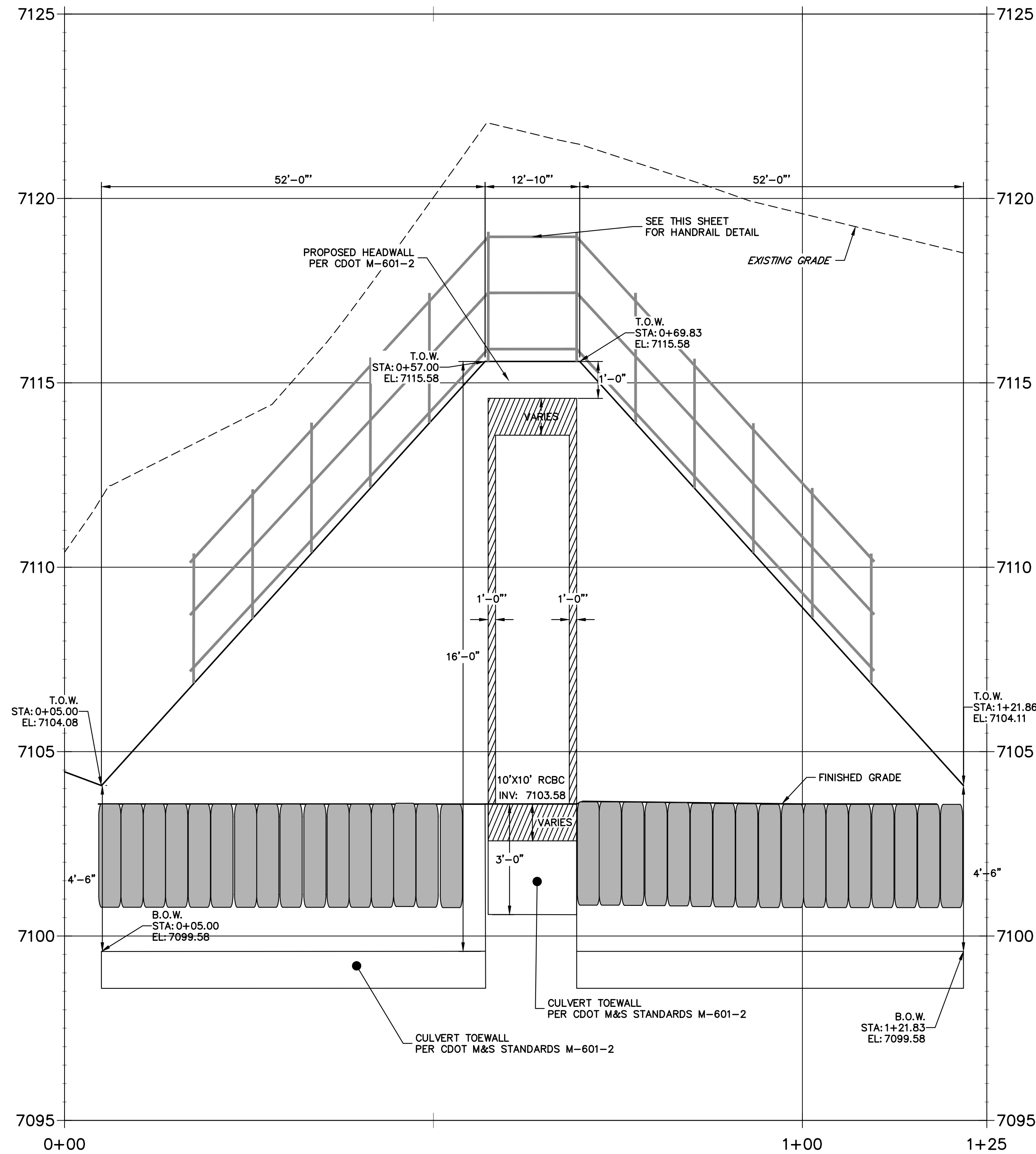
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

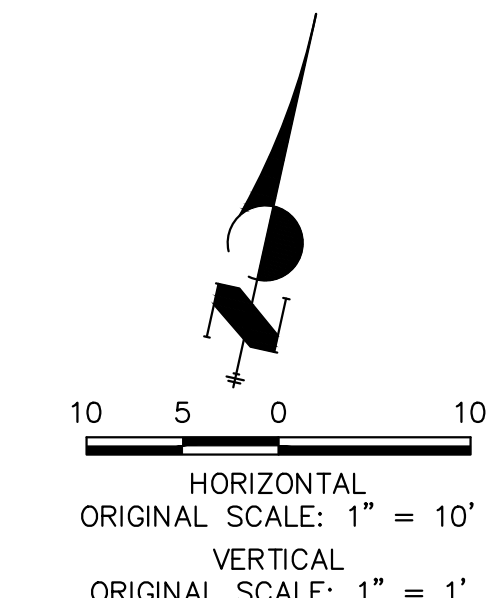
32314
4/18/23

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, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.	
	J.R. ENGINEERING A Westman Company Central 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	BY DATE No. REVISION H-SCALE 1"=10' V-SCALE 1"=2' DATE 4/18/23 DESIGNED BY DV DRAWN BY NEO CHECKED BY

**POND 2 STILLING BASIN WINGWALL PROFILE
STA 0+00.00 TO 1+25.00**



POND 2 STILLING BASIN HEADWALL WINGWALL PLAN VIEW

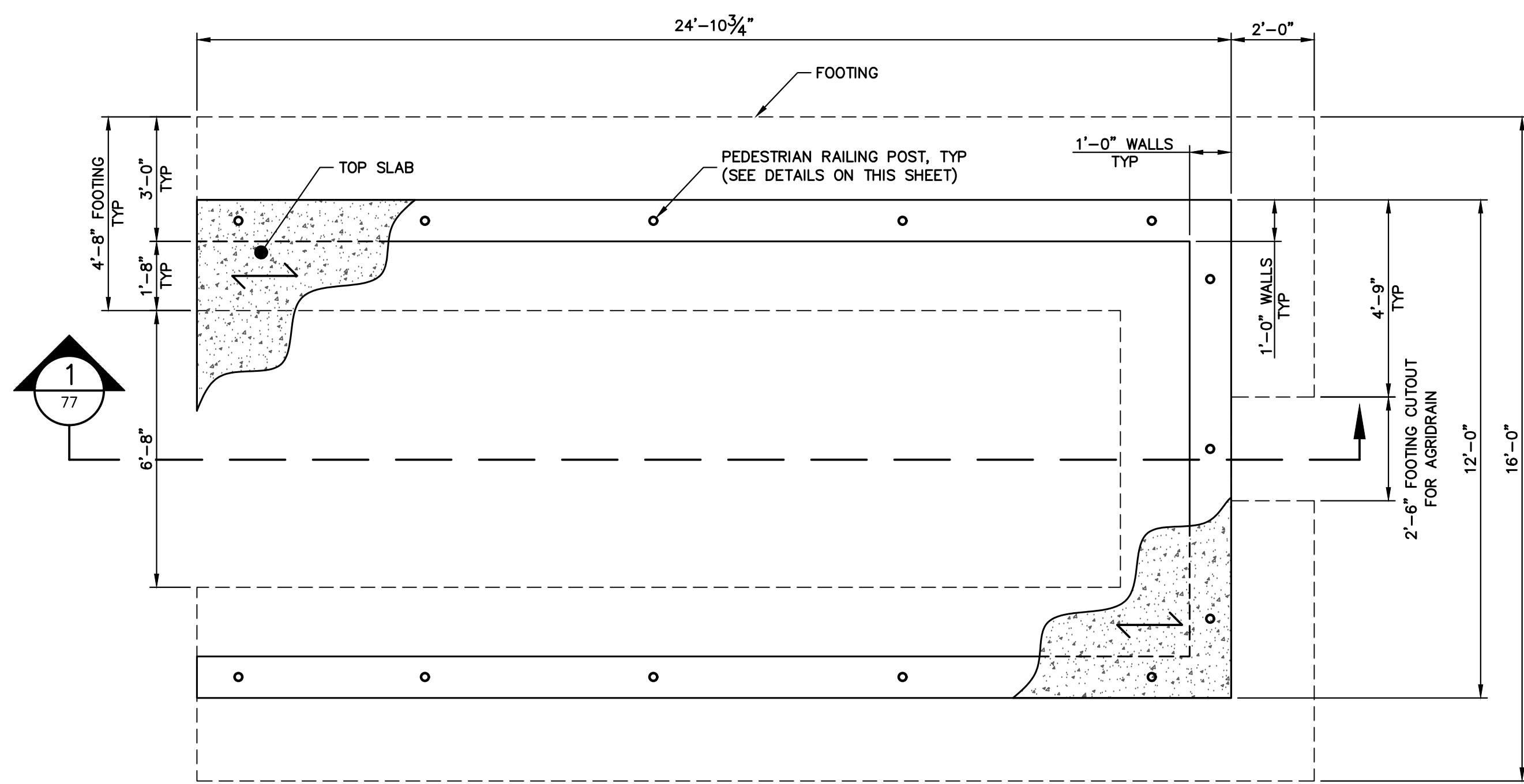


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

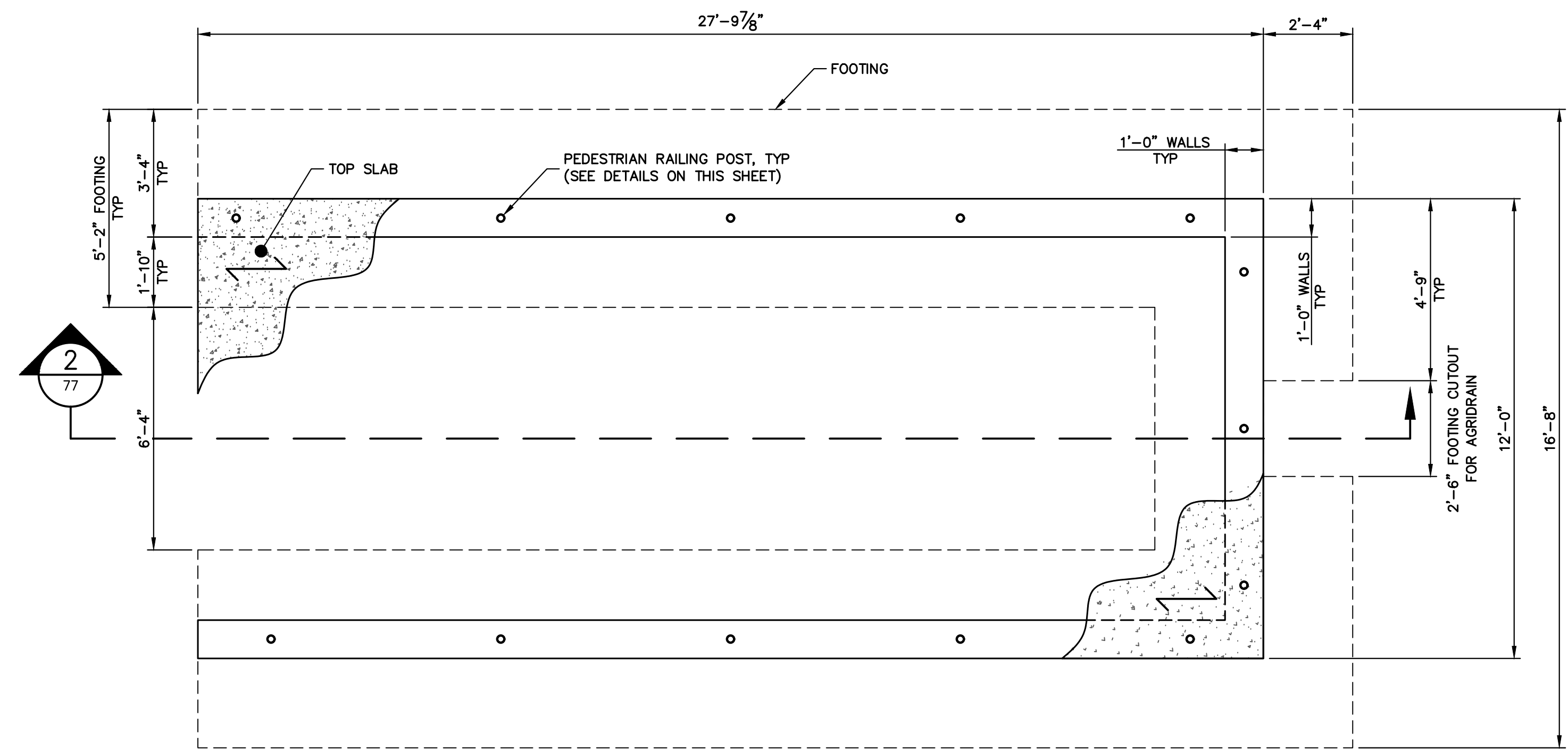
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23
DATE

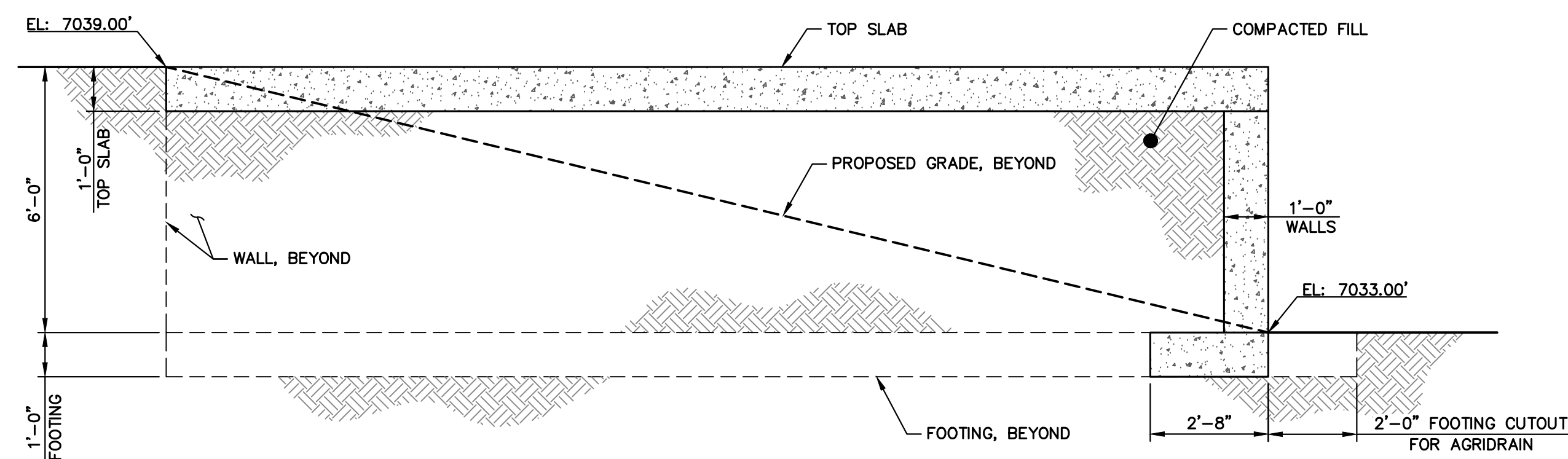
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024	J.R. ENGINEERING A Westman Company Central 303-740-8888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com
SAND CREEK RESTORATION STRUCTURAL DETAILS	SHEET 75 OF 121 JOB NO. 25188.04



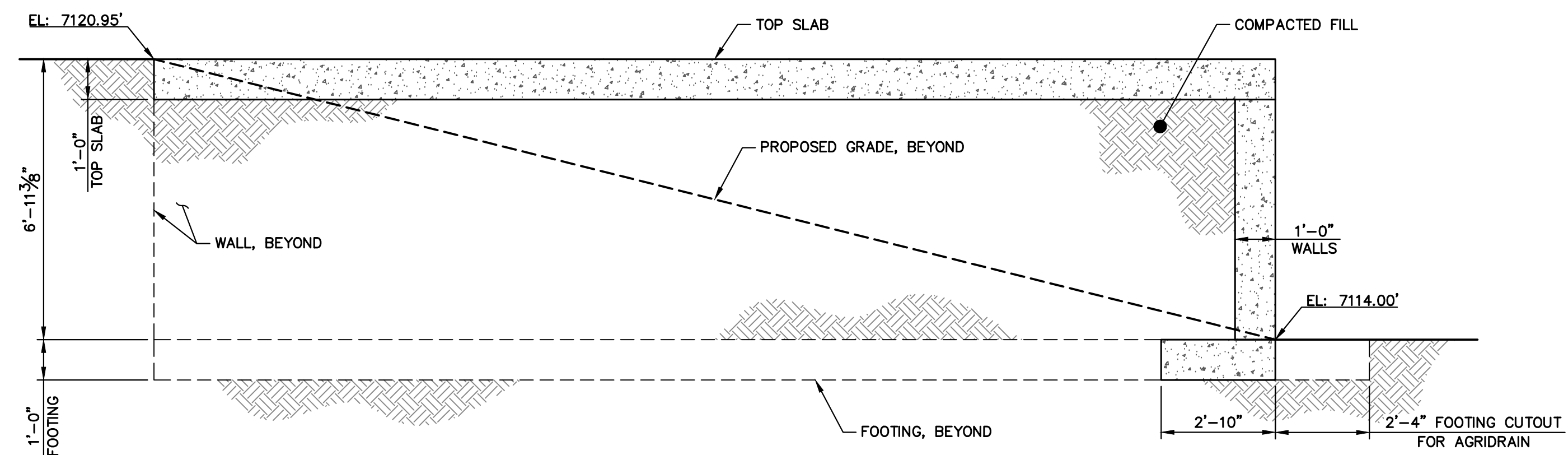
POND 1 CONCRETE PAD PLAN
SCALE: 3/8"=1'-0"



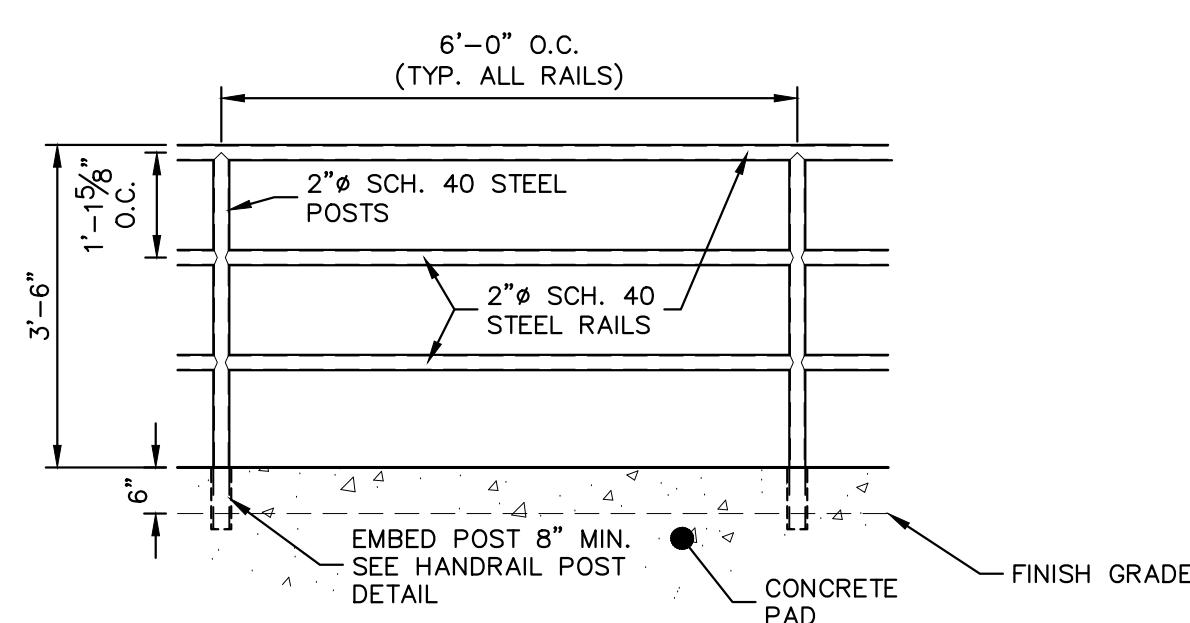
POND 2 CONCRETE PAD PLAN
SCALE: 3/8"=1'-0"



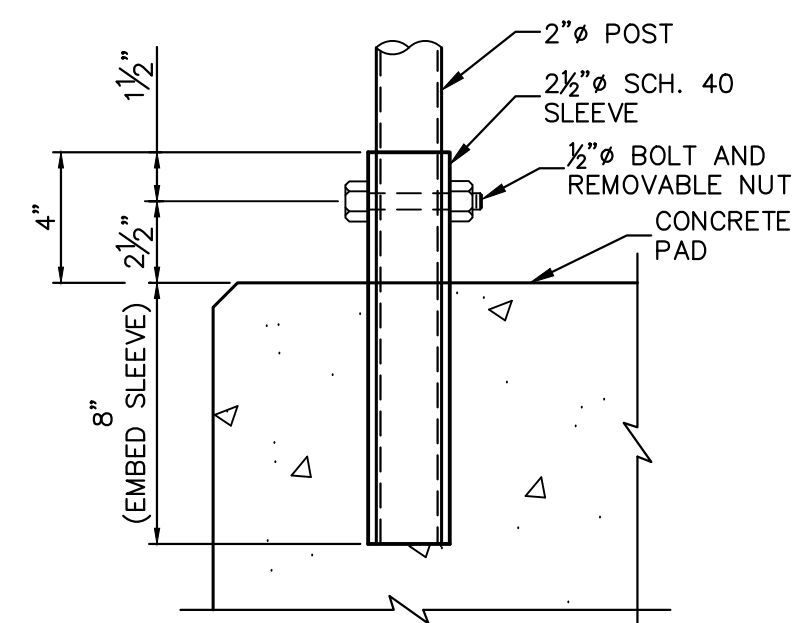
1 POND 1 CONCRETE PAD SECTION
SCALE: 3/8"=1'-0"



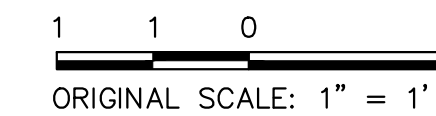
2 POND 2 CONCRETE PAD SECTION
SCALE: 3/8"=1'-0"



PEDESTRIAN RAILING DETAIL
SCALE: 1/2"=1'



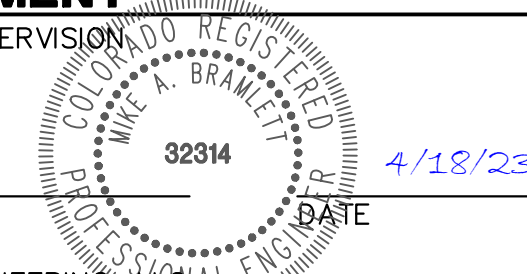
PEDESTRIAN RAILING POST
SCALE: NTS



ENGINEER'S STATEMENT

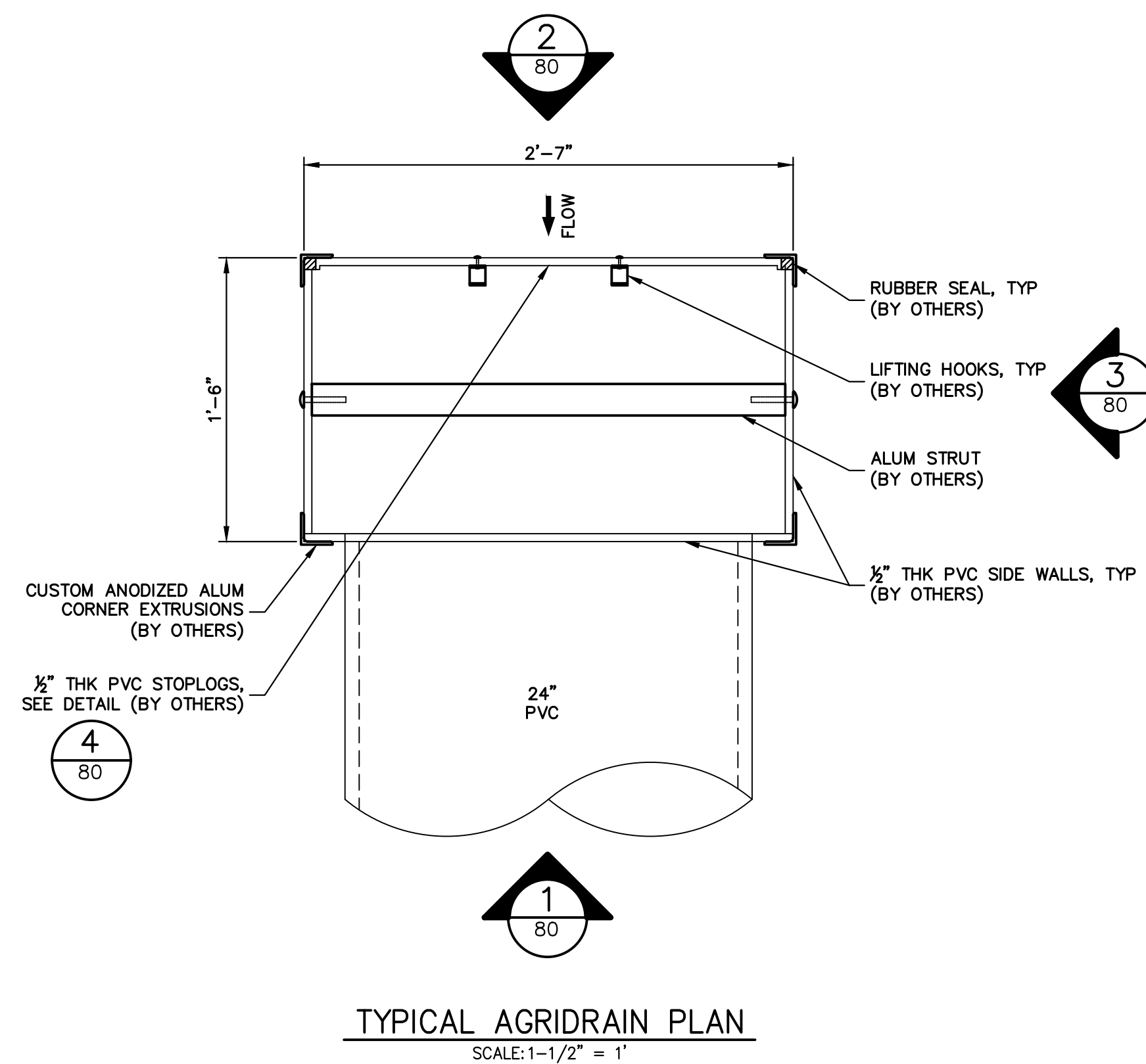
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314

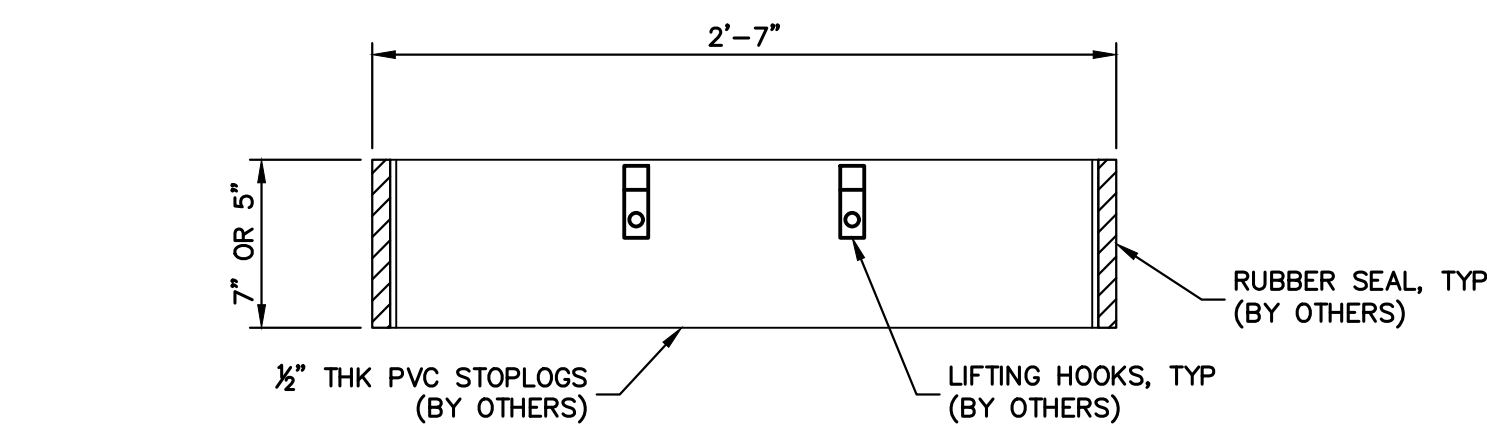


FOR AND ON BEHALF OF JR ENGINEERING

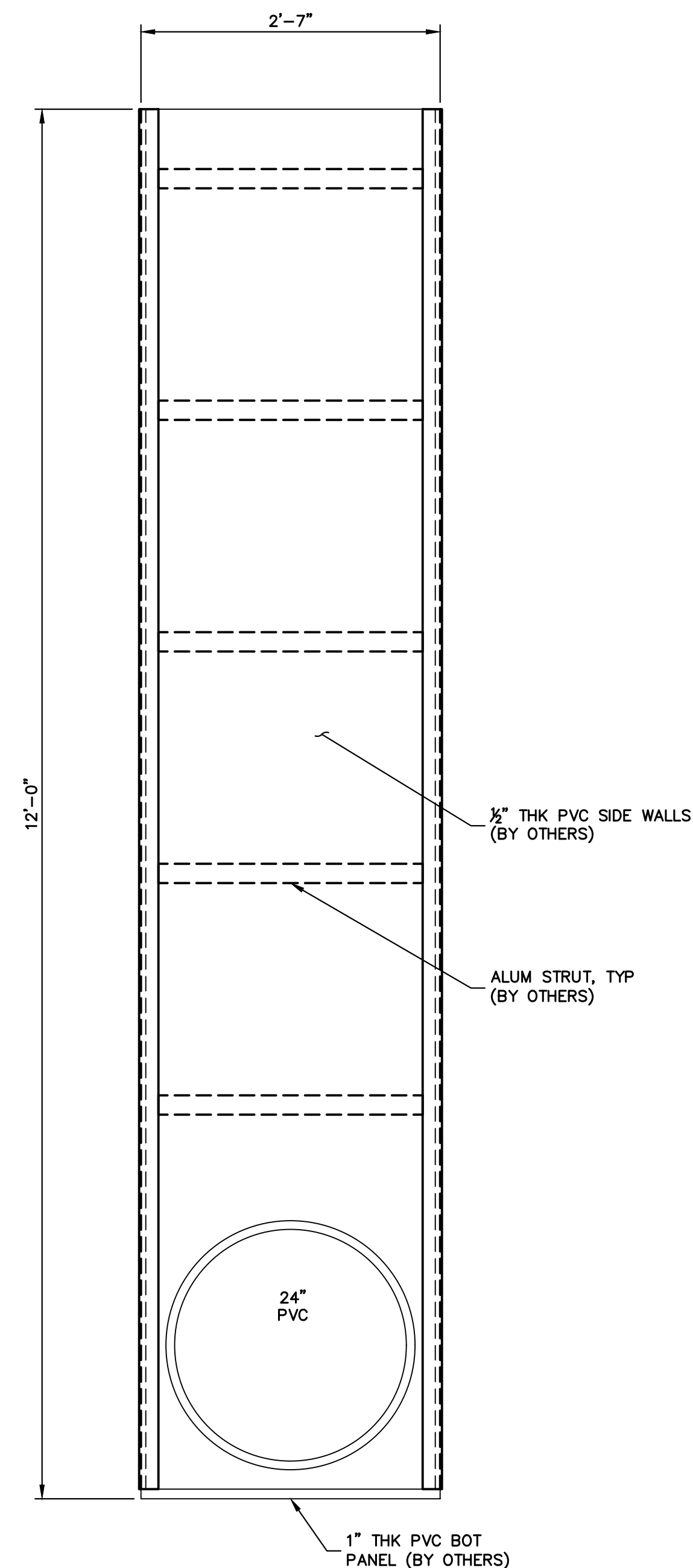
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024
J.R. ENGINEERING A Westman Company	Central 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com
BY	DATE
No.	REVISION
H-SCALE	V-SCALE
DATE	4/18/23
DESIGNED BY	R.C.B.
DRAWN BY	R.C.B.
CHECKED BY	
SAND CREEK RESTORATION	
STRUCTURAL DETAILS	
SHEET 77	OF 121
JOB NO.	25188.04



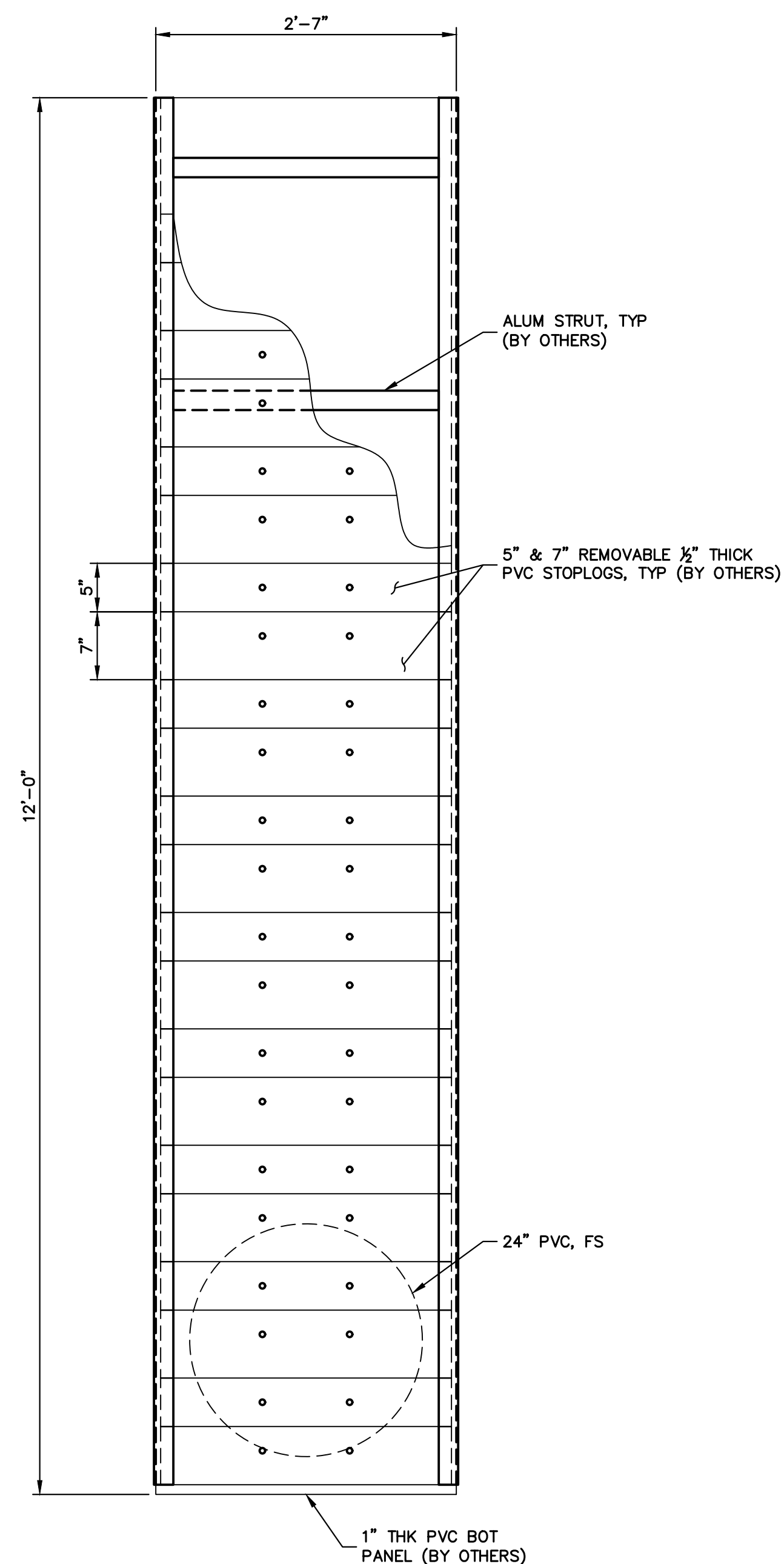
TYPICAL AGRIDRAIN PLAN
SCALE: 1-1/2" = 1'



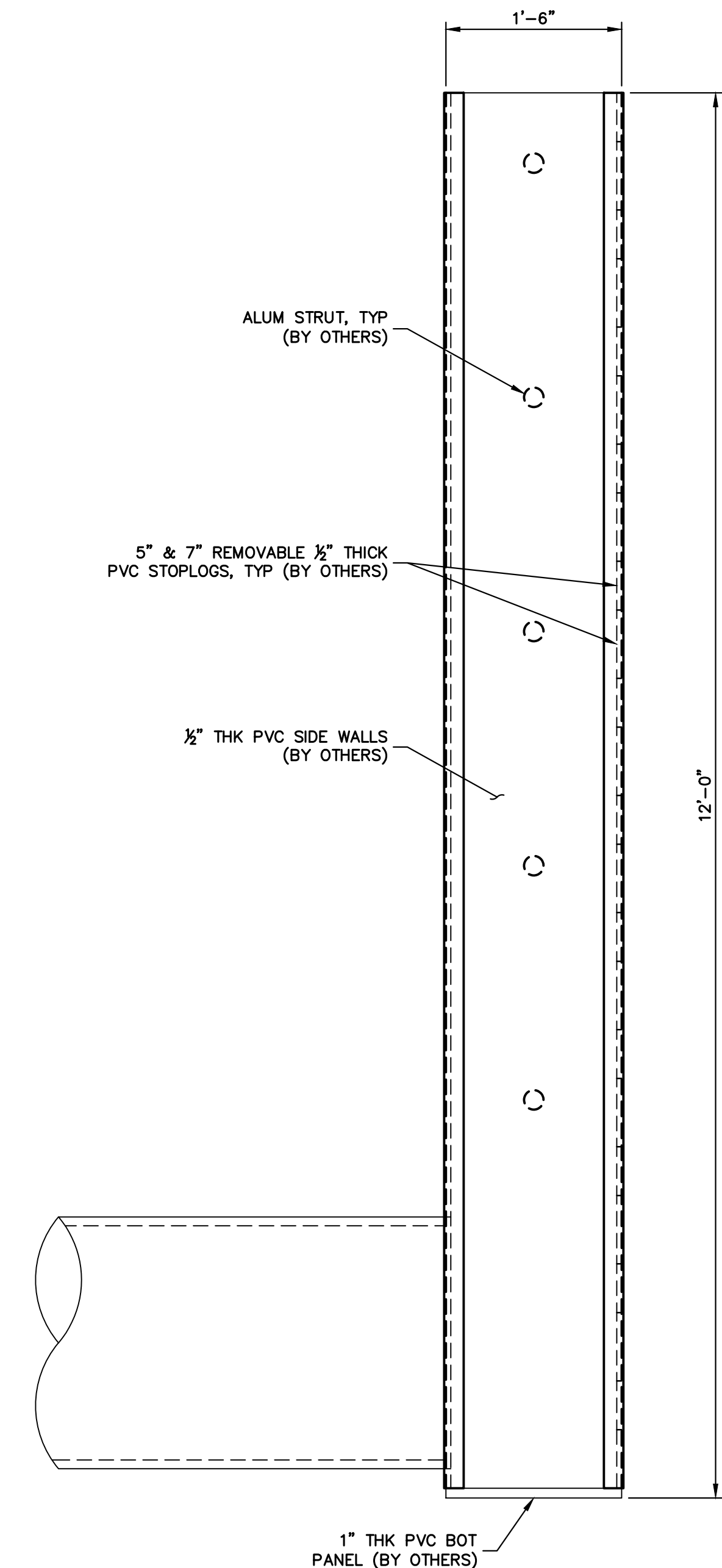
TYPICAL STOPLOG DETAIL
SCALE: 1-1/2" = 1'



ELEVATION 1
SCALE: 1" = 1'



ELEVATION 2
SCALE: 1" = 1'



ELEVATION 3
SCALE: 1" = 1'

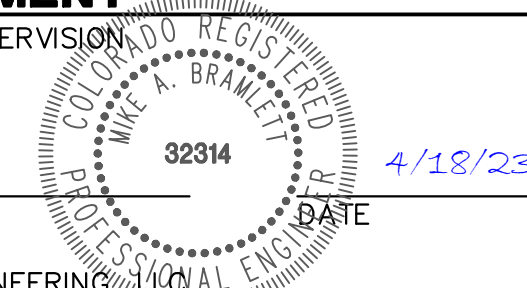
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ORIGINAL SCALE: 1" = 1'



ENGINEER'S STATEMENT

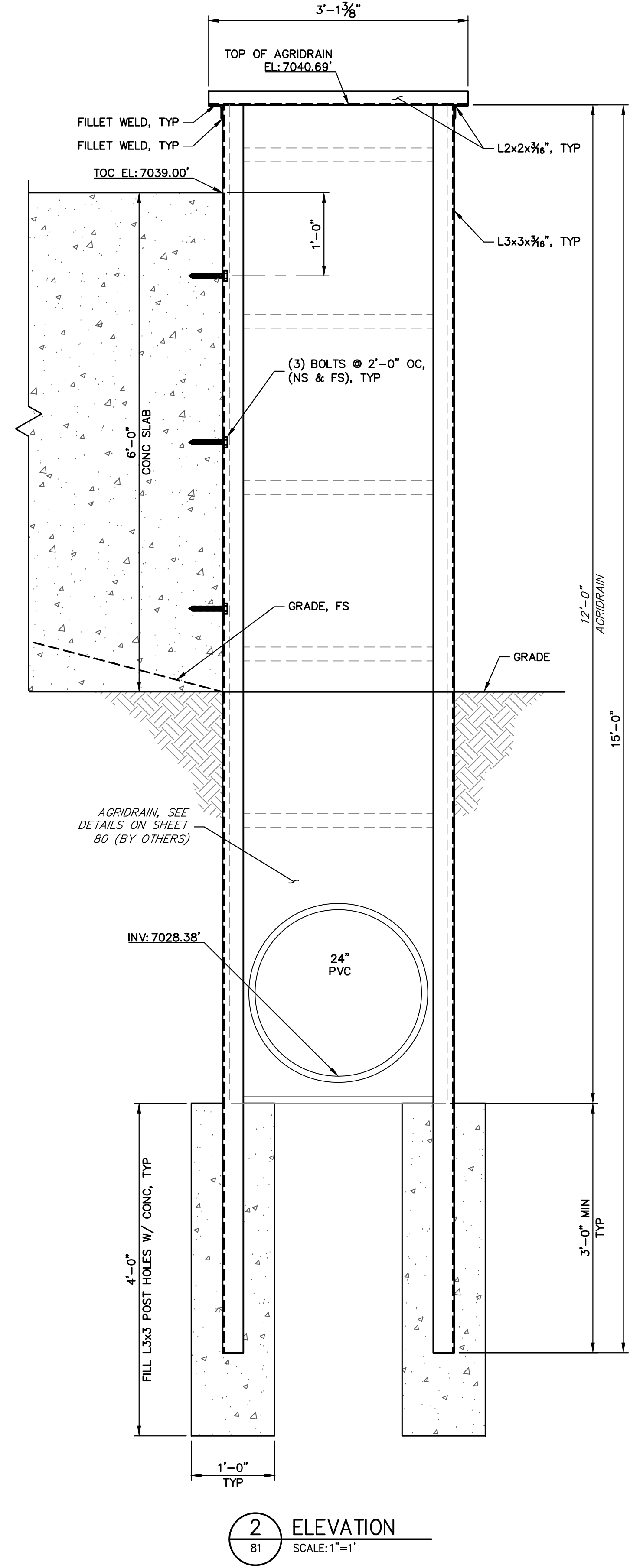
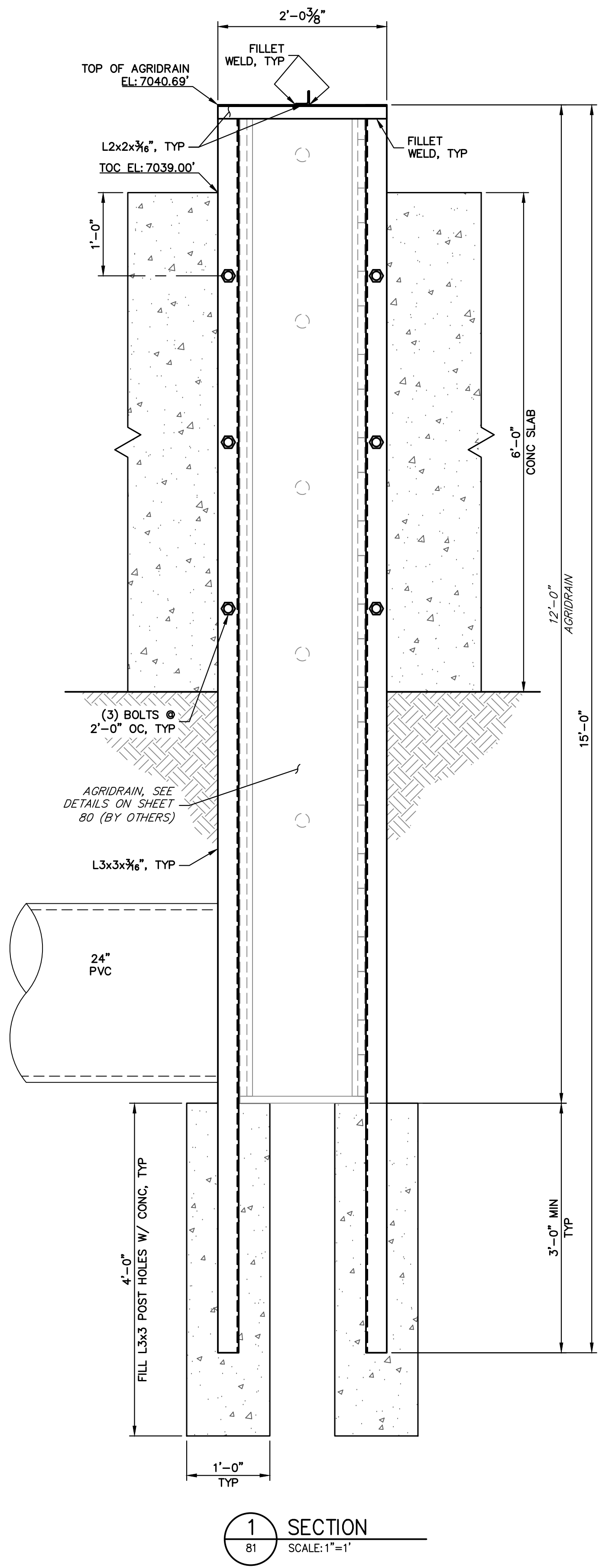
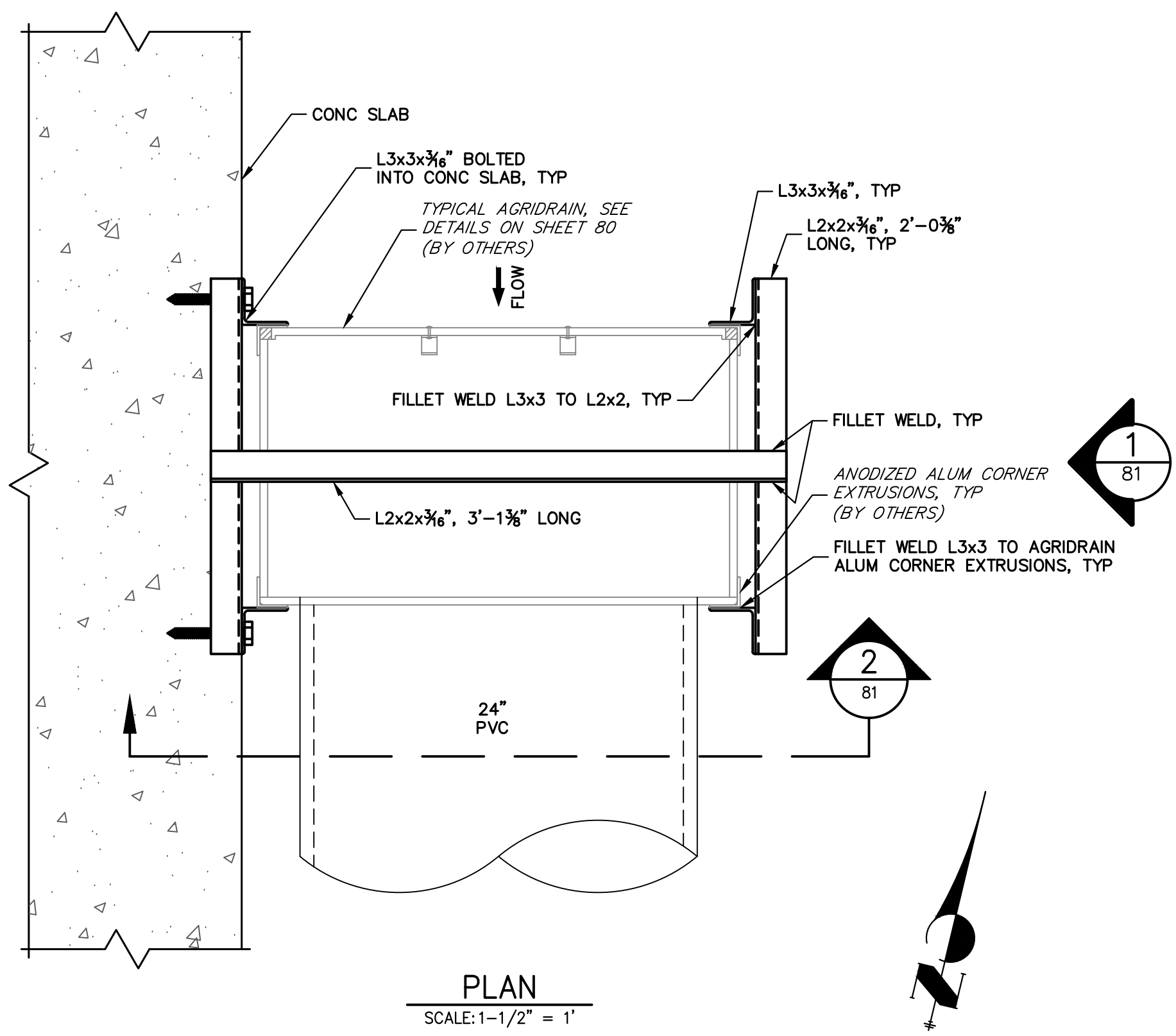
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314



FOR AND ON BEHALF OF JR ENGINEERING

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024
 A Westman Company Central 303-740-9888 • Colorado Springs 719-588-2583 Fort Collins 970-491-9888 • www.jrengineering.com	
BY	DATE
No.	REVISION
H-SCALE	V-SCALE
DATE	DESIGNED BY
DRAWN BY	CHECKED BY
SAND CREEK RESTORATION	
AGRIDRAIN DETAILS	
SHEET 80	OF 121
JOB NO. 25188.04	



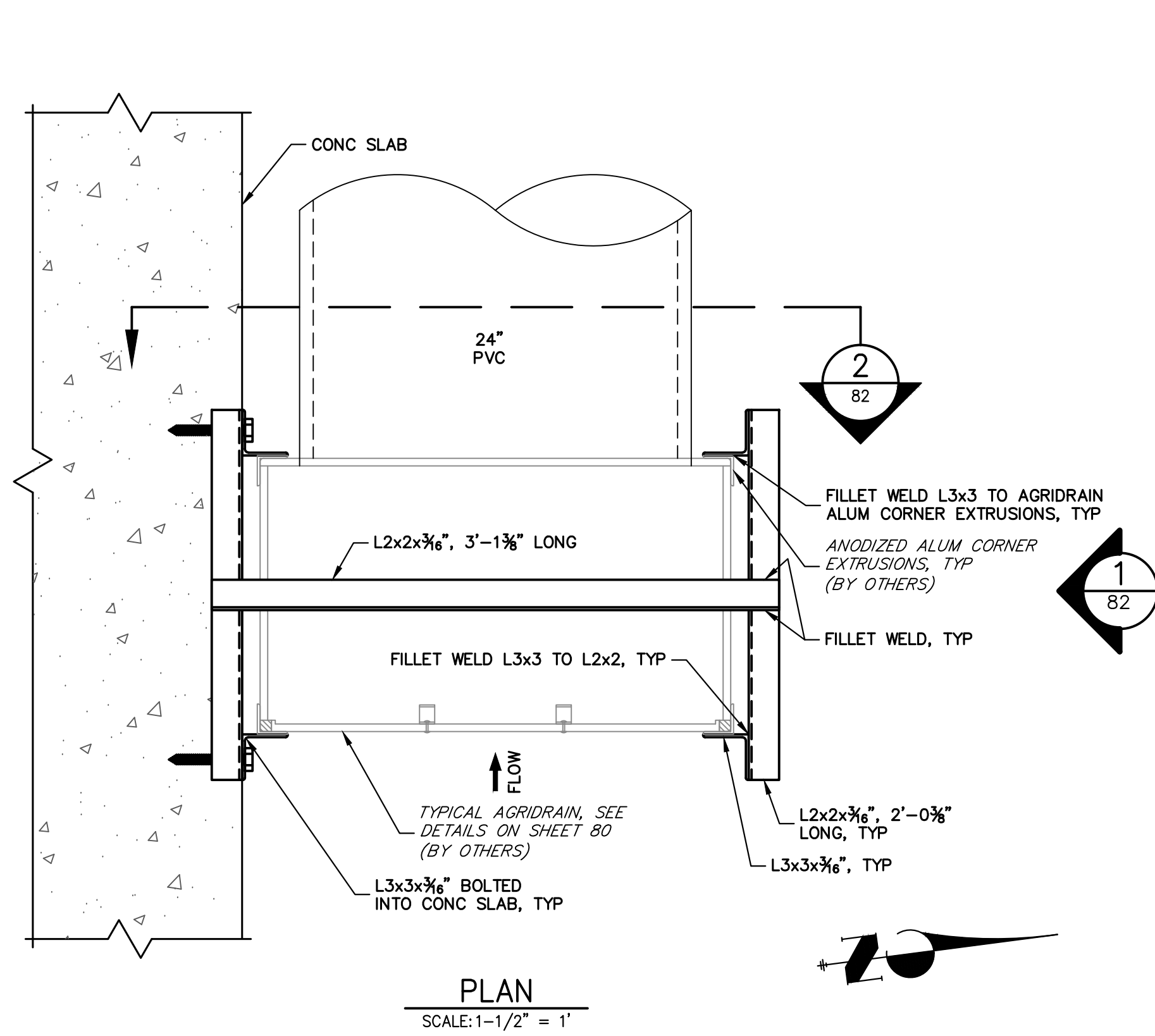
ENGINEER'S STATEMENT
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Mike Bramlett
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING

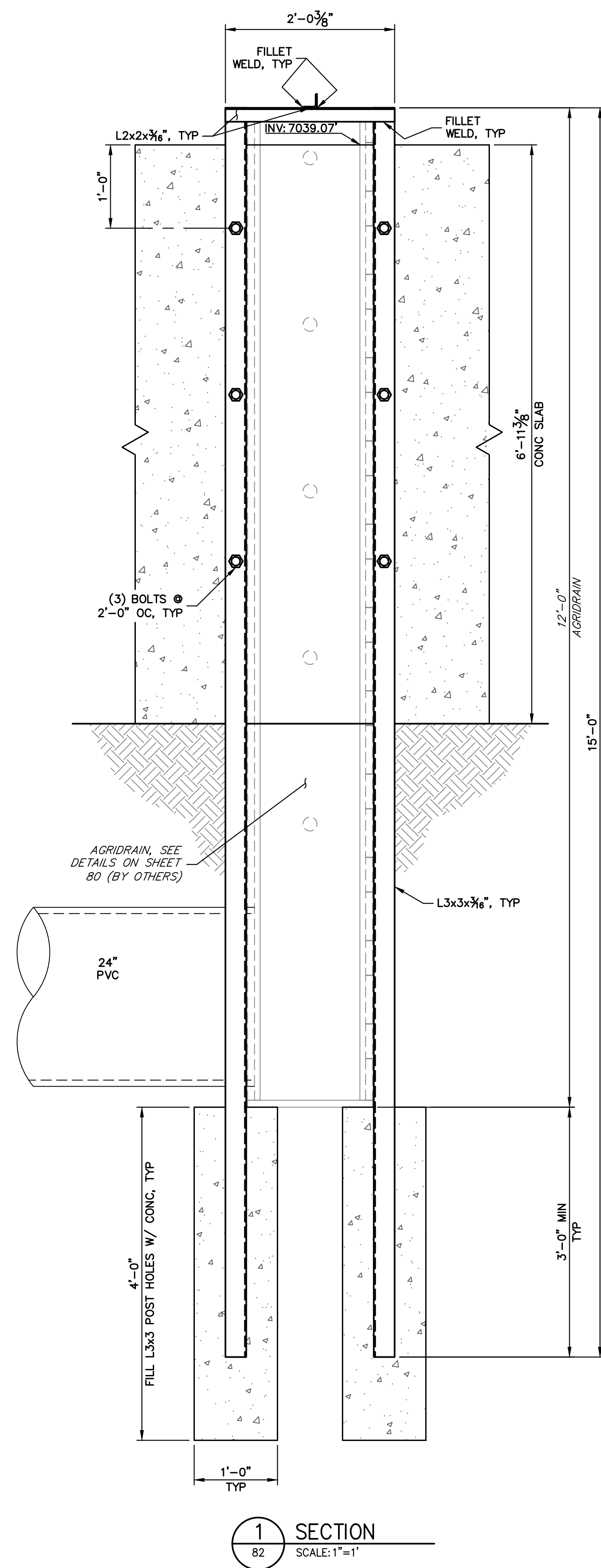
32314
 4/18/23

SAND CREEK RESTORATION	AGRIDRAIN DETAILS	SHEET 81 OF 121	JOB NO. 25188.04	BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
								VARIES	VARIES	4/18/23	R.C.B.	R.C.B.	
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, OR ENGINEERING APPROVES THEIR USE, DESIGNATED BY WRITTEN AUTHORIZATION.									

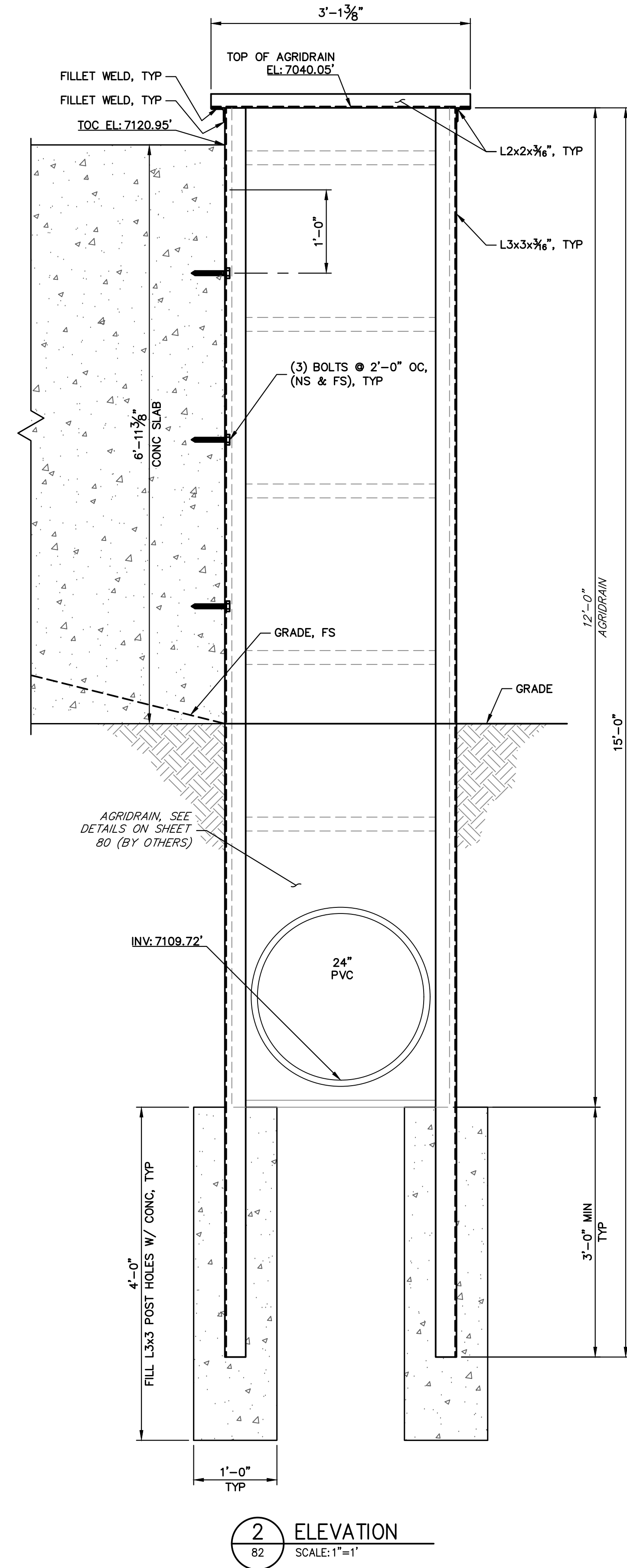
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PLAN
SCALE: 1-1/2" = 1'



1 SECTION
SCALE: 1" = 1'



2 ELEVATION
SCALE: 1" = 1'

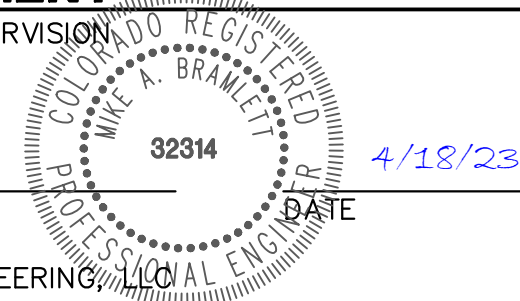
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ORIGINAL SCALE: 1" = 1'



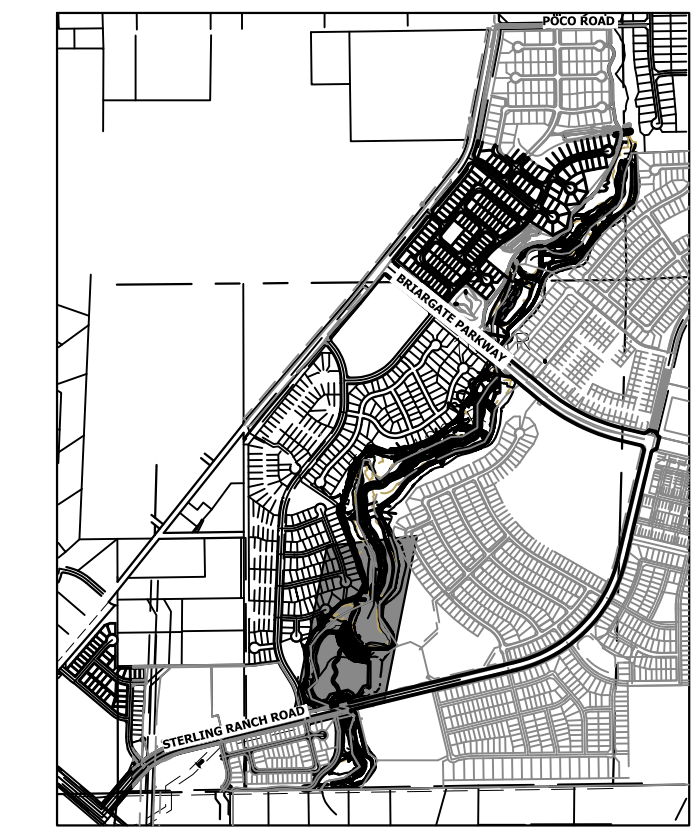
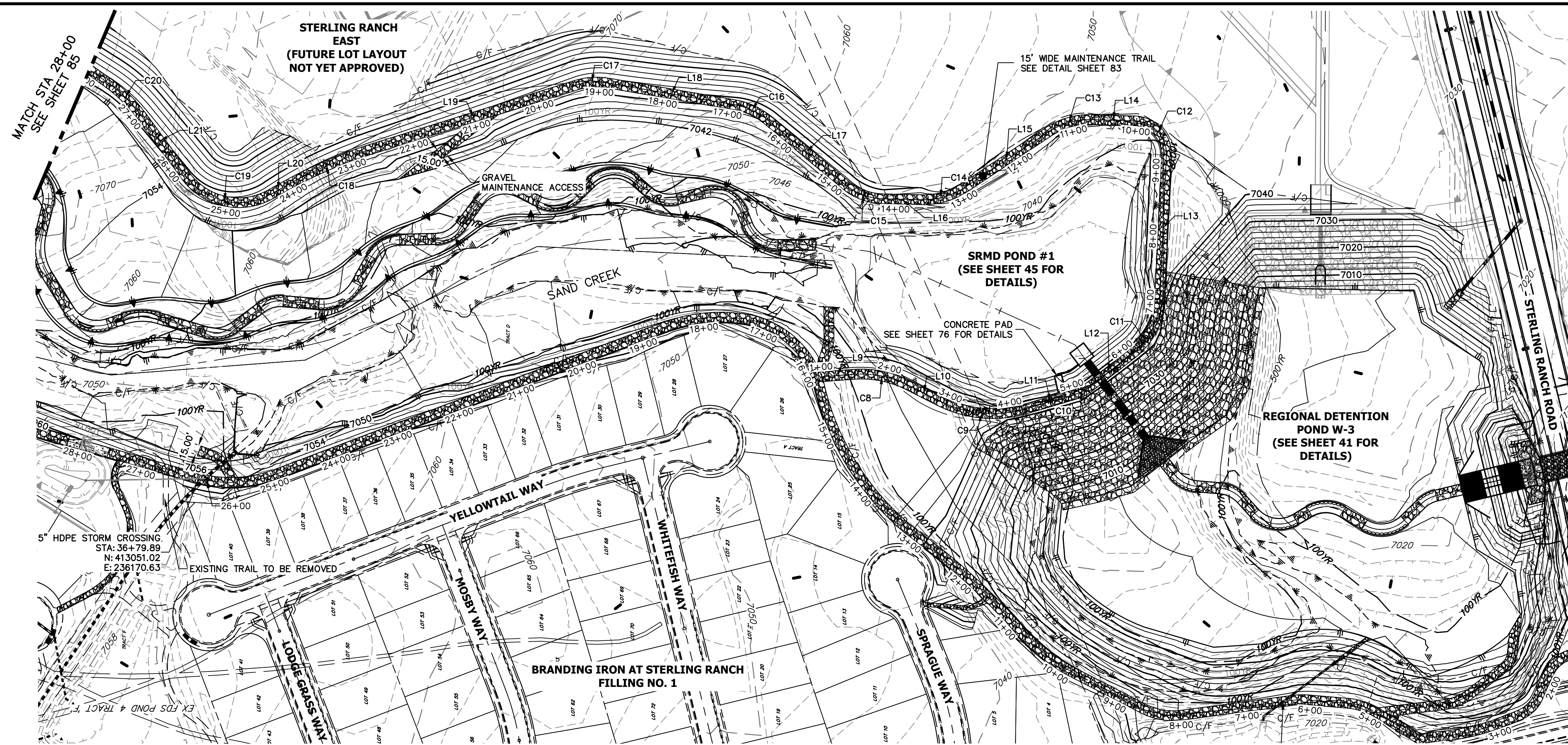
ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



SAND CREEK RESTORATION	AGRIDRAIN DETAILS	SHEET 82 OF 121	JOB NO. 25188.04	UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION. PREPARED FOR SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024
BY	DATE	NO.	REVISION	H-SCALE V-SCALE DATE DESIGNED BY DRAWN BY CHECKED BY
				VARIES VARIES 4/18/23 R.C.B. R.C.B. R.C.B.

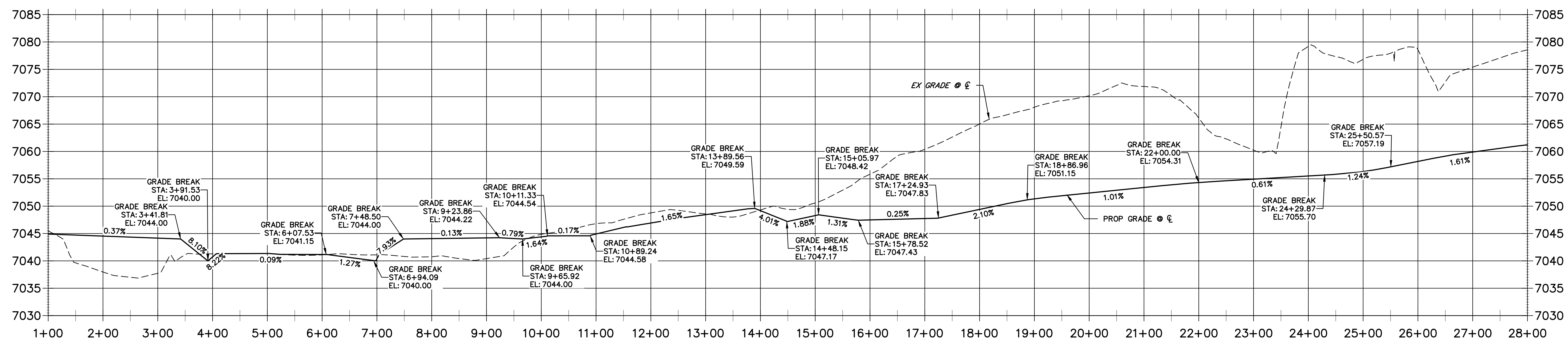


KEY MAP
SCALE: 1"=2000'

LINE	BEARING	DISTANCE
L9	S04°12'48"E	48.53'
L10	S26°54'20"W	51.80'
L11	S16°26'06"E	77.36'
L12	S37°46'47"E	82.58'
L13	S87°22'29"E	221.11'
L14	N01°47'20"E	64.75'
L15	N33°38'47"W	150.85'
L16	N01°15'46"E	58.58'
L17	N39°49'15"E	153.65'
L18	N09°44'33"E	195.76'
L19	N17°20'47"W	327.23'
L20	N29°16'34"W	24.89'
L21	N53°36'38"E	113.38'

CURVE	DELTA	RADIUS	LENGTH
C8	30°40'46"	162.24'	86.87'
C9	43°19'59"	180.03'	136.16'
C10	21°20'41"	65.00'	24.21'
C11	49°35'43"	110.00'	95.22'
C12	90°50'11"	50.00'	79.27'
C13	35°26'06"	115.00'	71.12'
C14	34°54'33"	115.00'	70.07'
C15	38°33'29"	95.00'	63.93'
C16	29°14'48"	107.92'	55.09'
C17	27°05'20"	105.00'	49.64'
C18	11°55'47"	686.05'	142.84'
C19	82°52'35"	100.00'	144.65'
C20	18°33'53"	235.00'	76.14'

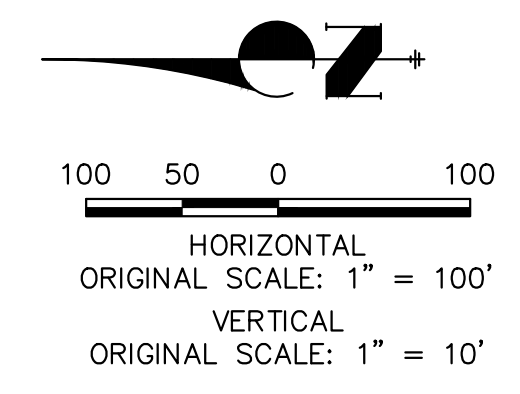
**EAST MAINTENANCE ACCESS TRAIL PROFILE REACH 2
STA 1+00.00 TO 28+00.00**



- 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.

- NOTES:**
- STEEPEST ALLOWABLE GRADE IS 12%.
 - MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

32314 4/18/23

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.

J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2593
Fort Collins 970-491-9888 • www.jrengineering.com

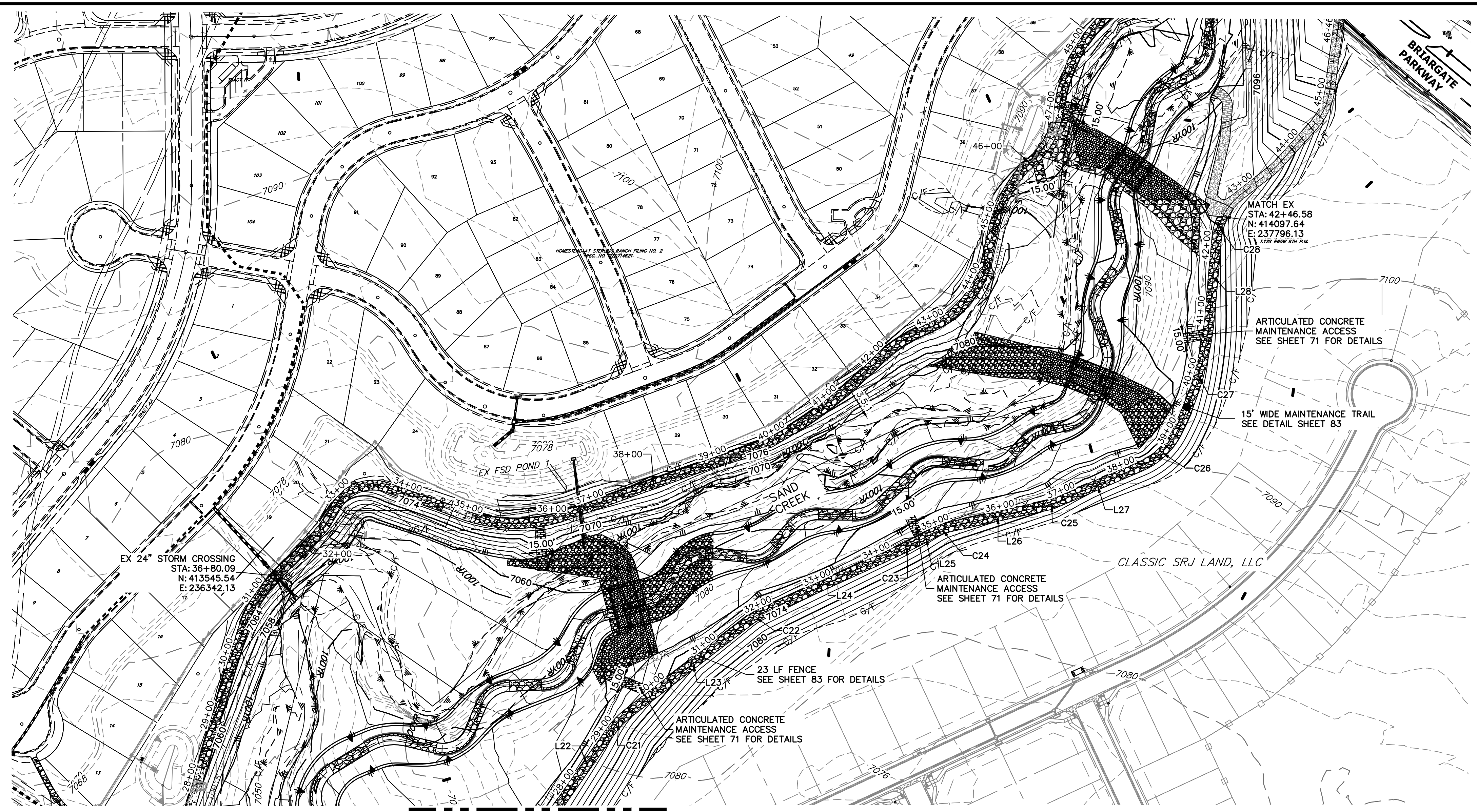
BY: _____ DATE: _____

No. REVISION: _____

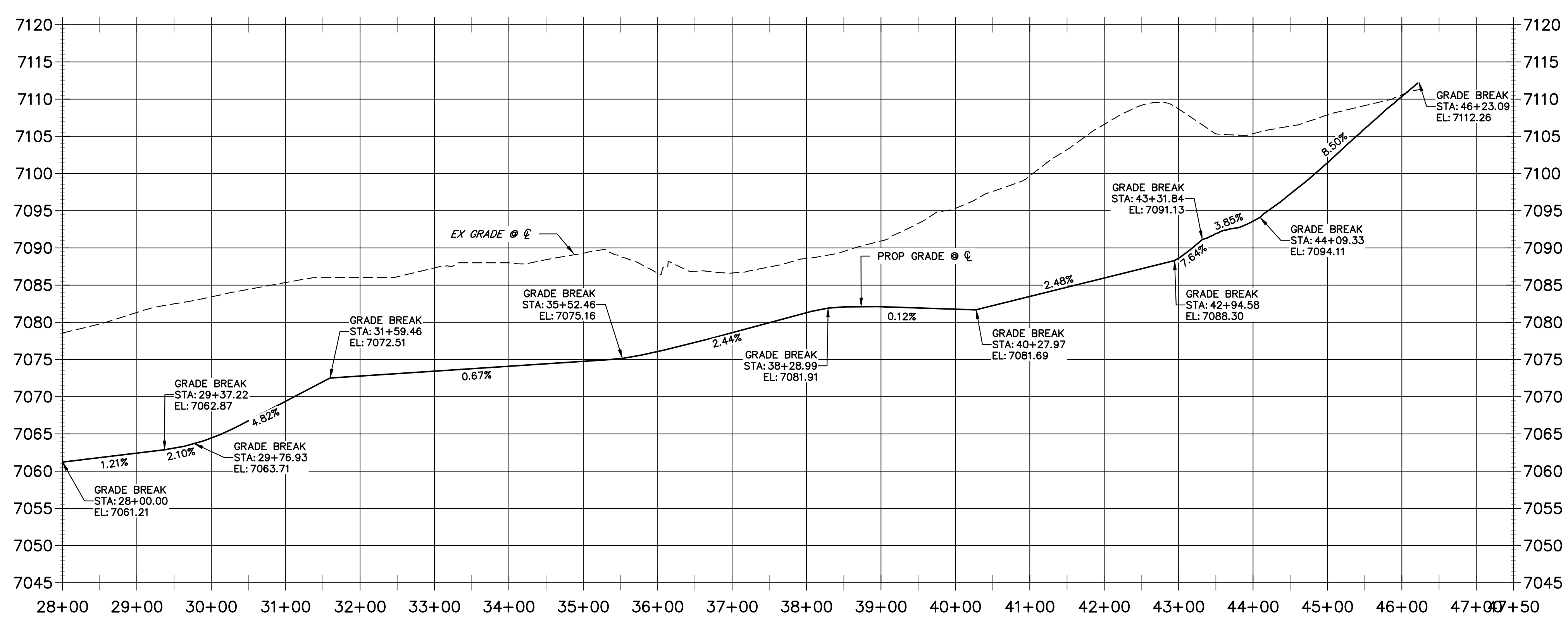
H-SCALE 1"=100'
V-SCALE 1"=10'
DATE 4/18/23
DESIGNED BY NEO
DRAWN BY NEO
CHECKED BY _____

**SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN
& PROFILE**

SHEET 84 OF 121
JOB NO. 25188.04



EAST MAINTENANCE ACCESS TRAIL PROFILE REACH 2 (1)
STA 28+00.00 TO 47+50.00



LINE TABLE		
LINE	BEARING	DISTANCE
L22	N35°02'46"E	136.97'
L23	N52°34'53"E	233.05'
L24	N65°29'36"E	225.86'
L25	N62°08'58"E	23.44'
L26	N77°34'21"E	153.82'
L27	N66°49'31"E	144.95'
L28	N05°00'27"E	115.78'

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C21	17°32'07"	140.00'	42.85'
C22	12°54'44"	90.00'	20.28'
C23	3°20'38"	720.00'	42.02'
C24	15°30'13"	114.41'	30.96'
C25	10°44'50"	40.00'	7.50'
C26	39°36'05"	112.28'	77.61'
C27	21°26'03"	505.01'	188.92'
C28	21°06'26"	99.81'	36.77'

- NOTES:**
1. STEEPEST ALLOWABLE GRADE IS 12%.
 2. MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.
- 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 PAWNEE RANCHEROS 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 = 233949.817
 ELEVATION = 7030.82

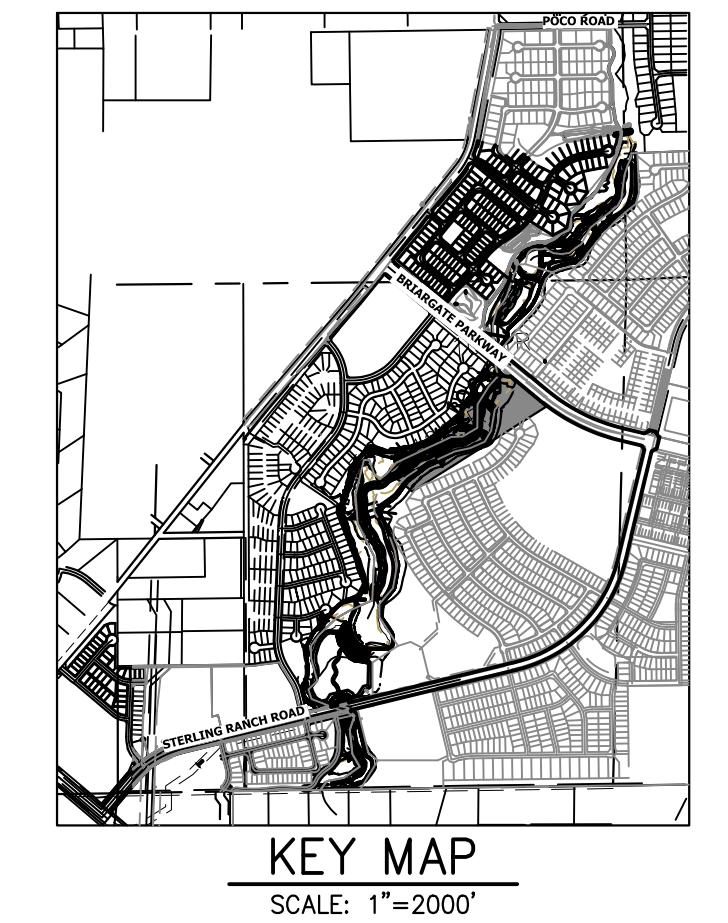
BASIS OF BEARINGS

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
 PREPARED UNDER MY DIRECT SUPERVISION

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

32314 4/18/23



UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR 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
 Centennial 303-740-9888 • Colorado Springs 719-583-2683
 Fort Collins 970-491-9888 • www.jrengineering.com

BY DATE

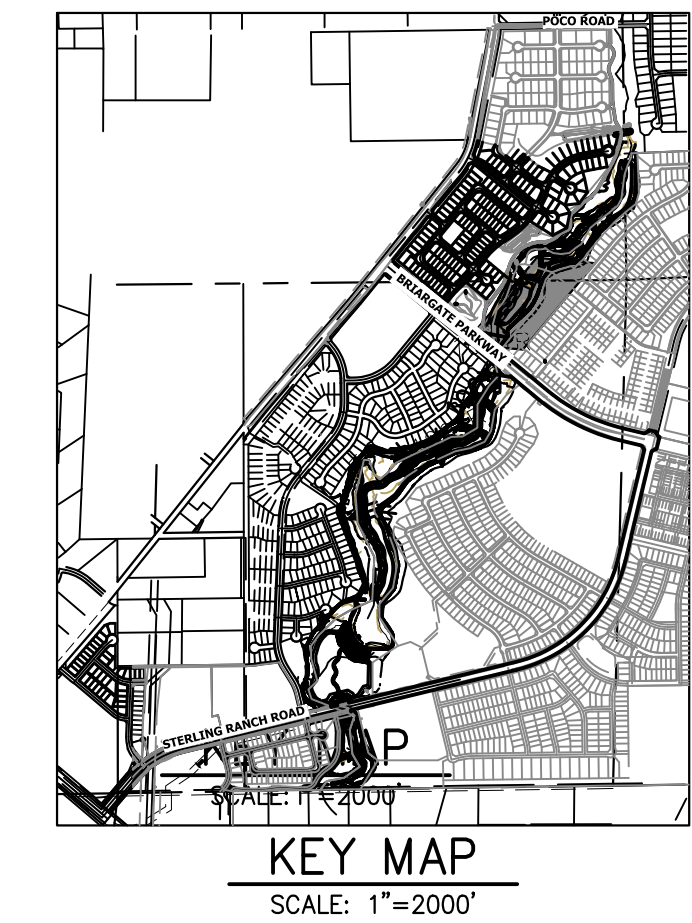
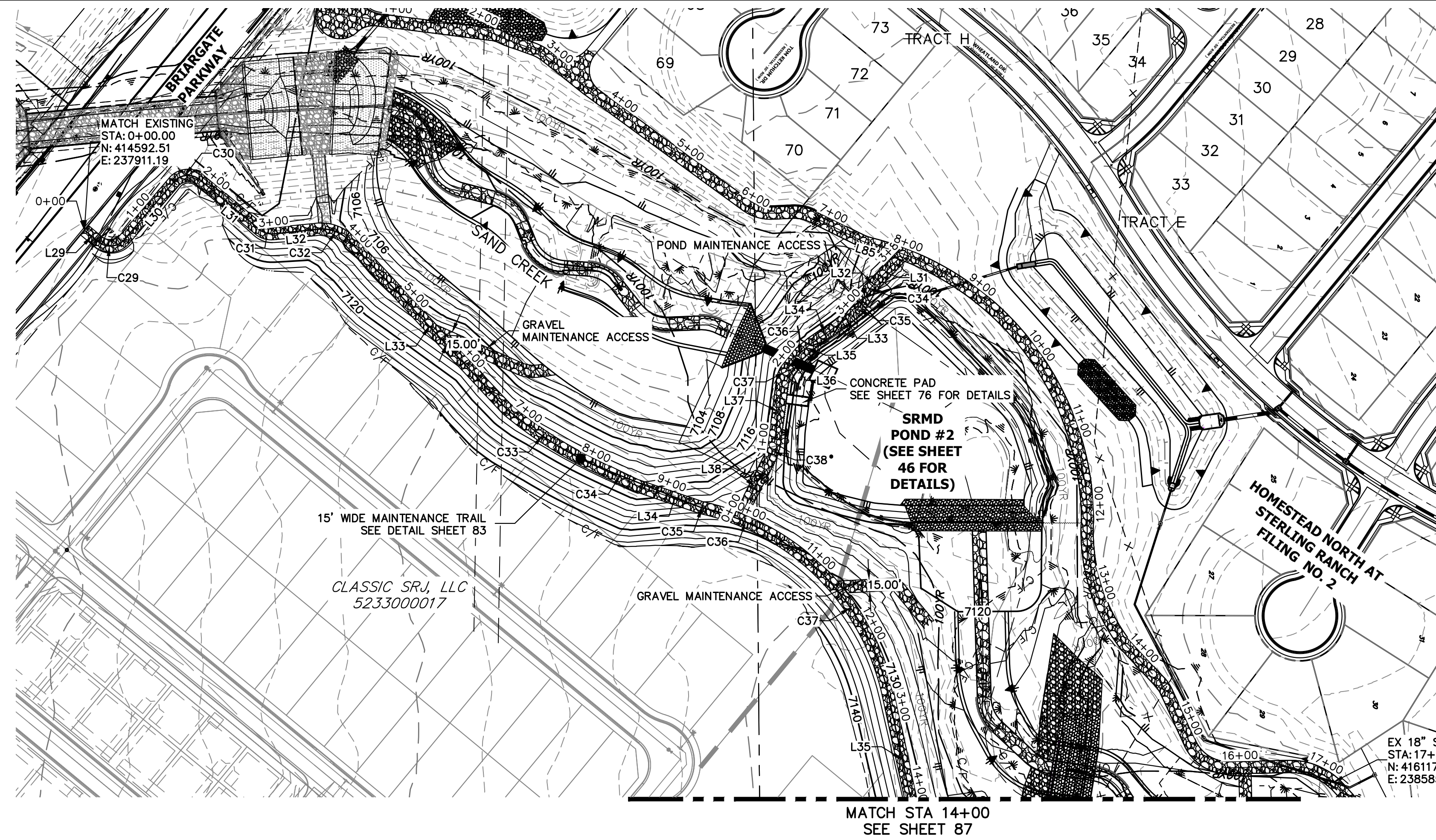
No.	REVISION	DATE	DESIGNED BY	DRAWN BY	CHECKED BY

H-SCALE 1"=100'
 V-SCALE 1"=10'
 DATE 4/18/23
 DESIGNED BY NEO
 DRAWN BY NEO
 CHECKED BY

SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN & PROFILE

SHEET 85 OF 121
 JOB NO. 25188.04

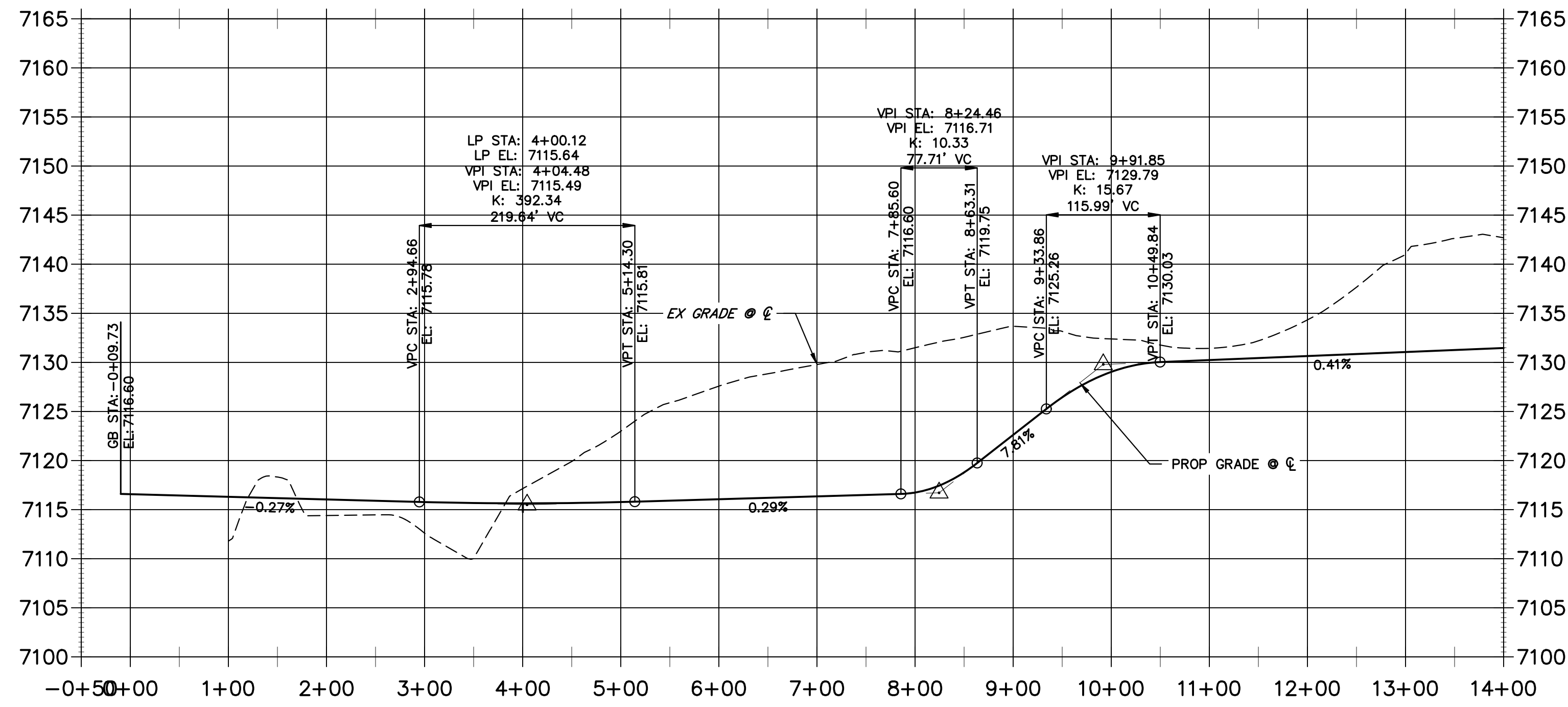




LINE	BEARING	DISTANCE
L29	S39°45'04"W	22.07'
L30	S49°15'42"E	93.20'
L31	S39°50'06"W	94.81'
L31	N46°08'35"W	46.35'
L32	S05°34'19"E	53.17'
L32	N59°51'43"W	20.33'
L33	N38°17'54"W	24.47'
L33	N46°58'58"W	276.46'
L34	N34°31'49"W	39.44'
L34	N21°40'00"E	47.11'
L35	N39°58'37"W	16.86'
L35	N77°47'23"E	159.50'
L36	N50°52'33"W	18.31'
L37	N82°29'28"W	77.57'
L38	N63°11'00"W	73.46'

CURVE	DELTA	RADIUS	LENGTH
C32	55°30'37"	50.23'	48.66'
C33	12°30'01"	500.00'	109.08'
C34	2°06'20"	2751.68'	101.12'
C34	13°43'08"	27.50'	6.58'
C35	21°33'49"	32.50'	12.23'
C36	18°26'25"	299.93'	96.53'
C36	10°53'57"	31.50'	5.99'
C37	31°39'29"	31.50'	17.40'
C37	45°06'36"	300.85'	236.86'
C38	17°03'05"	72.50'	21.58'

**EAST MAINTENANCE ACCESS TRAIL PROFILE REACH 3
STA -0+50.00 TO 14+00.00**

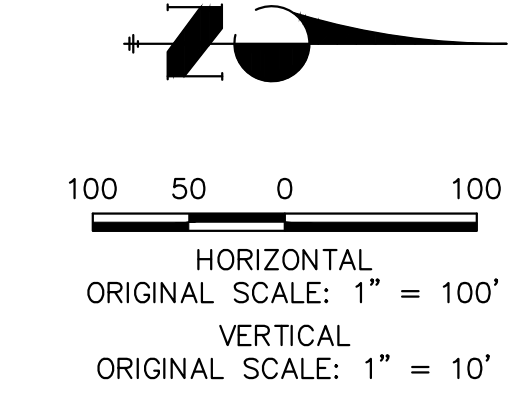
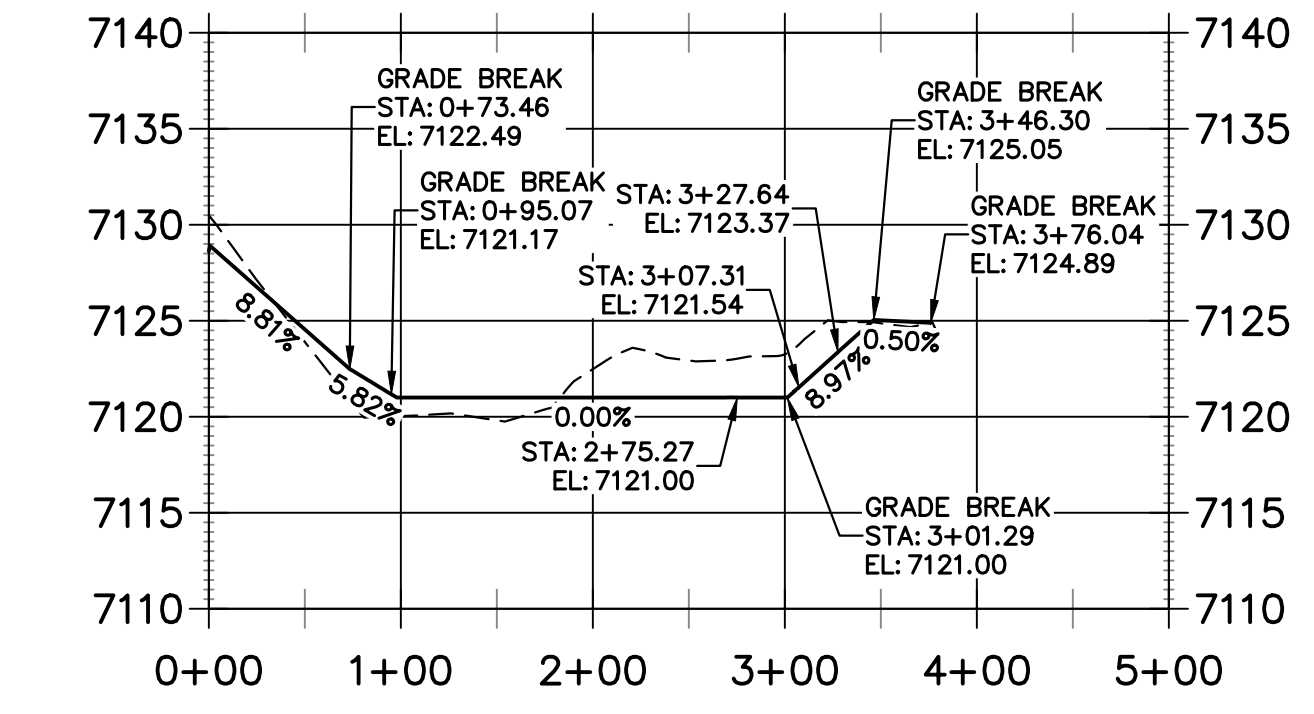


- BENCHMARK**
1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
 2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PANNEE RANCHEROS SUBDIVISION
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

- NOTES:**
1. STEEPEST ALLOWABLE GRADE IS 12%.
 2. MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.

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.

**POND MAINTENANCE ACCESS TRAIL PROFILE REACH 3
STA 0+00.00 TO 5+00.00**



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

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
MICHAEL A. BRAMLETT
32314
4/18/23
DATE

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

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE AS 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 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

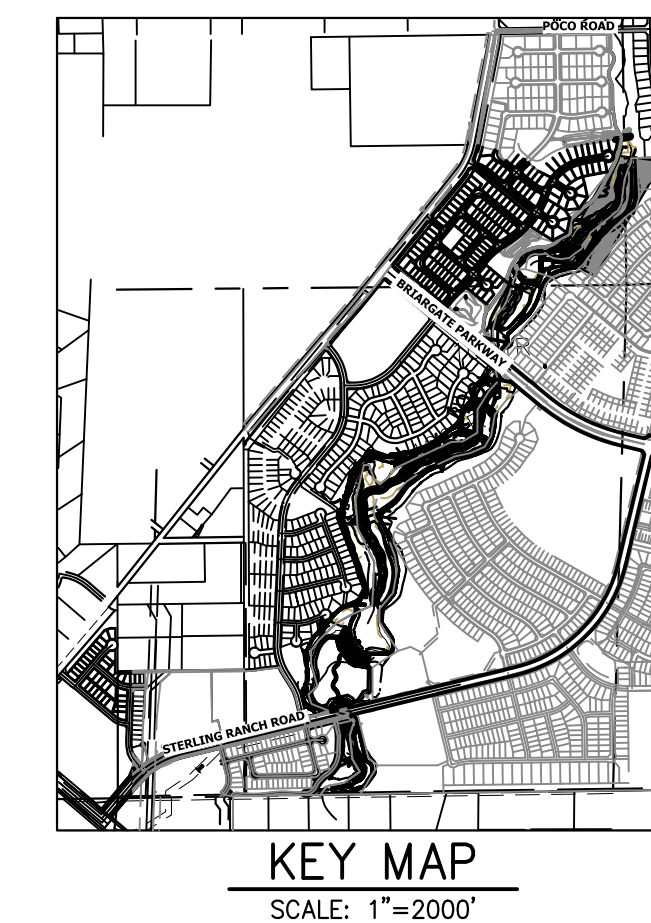
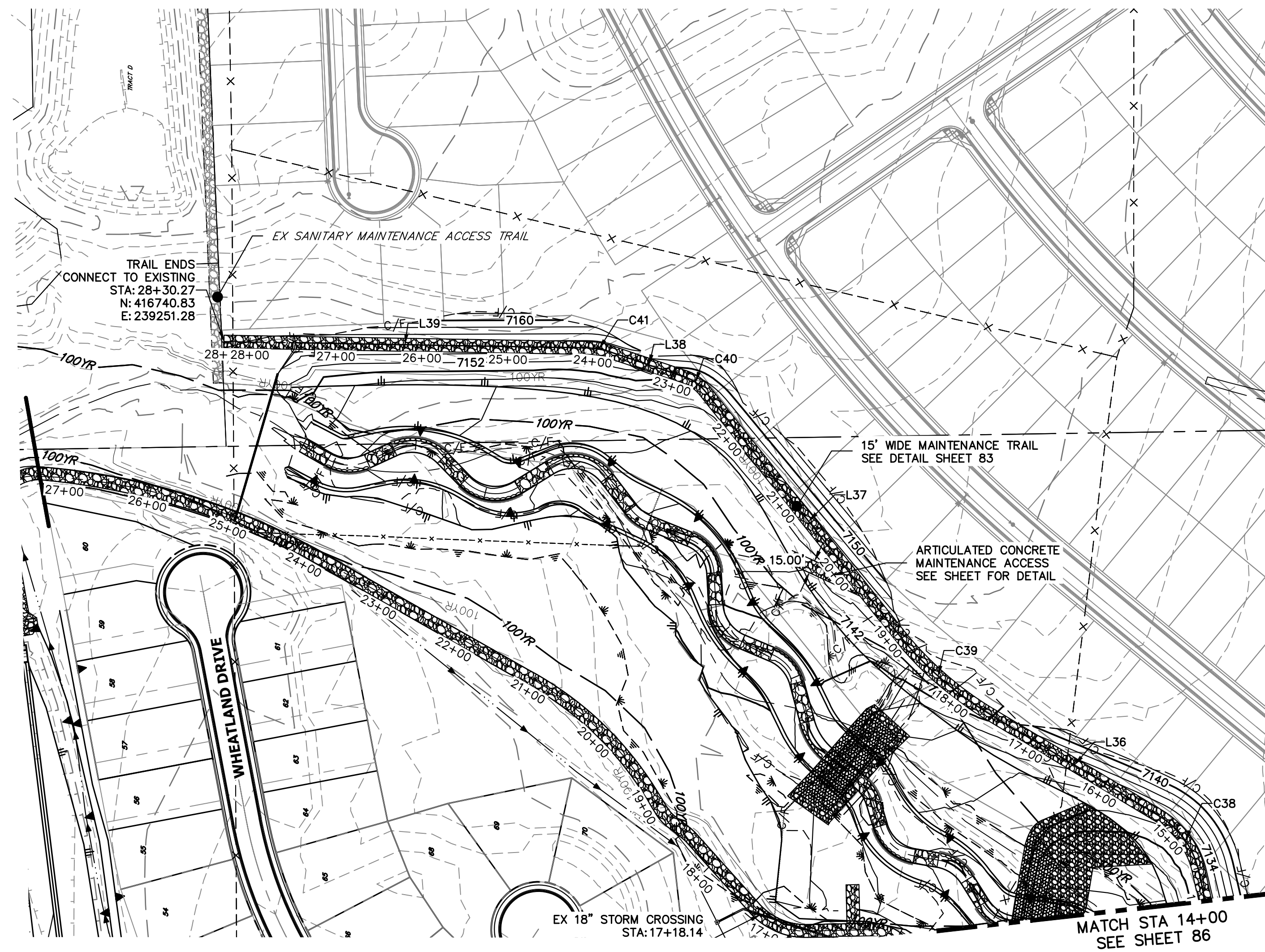
BY: _____ DATE: _____

No. _____ REVISION: _____

H-SCALE 1"=100'
V-SCALE 1"=10'
DATE 4/18/23
DESIGNED BY NEO
DRAWN BY NEO
CHECKED BY _____

**SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN
& PROFILE**

SHEET 86 OF 121
JOB NO. 25188.04



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

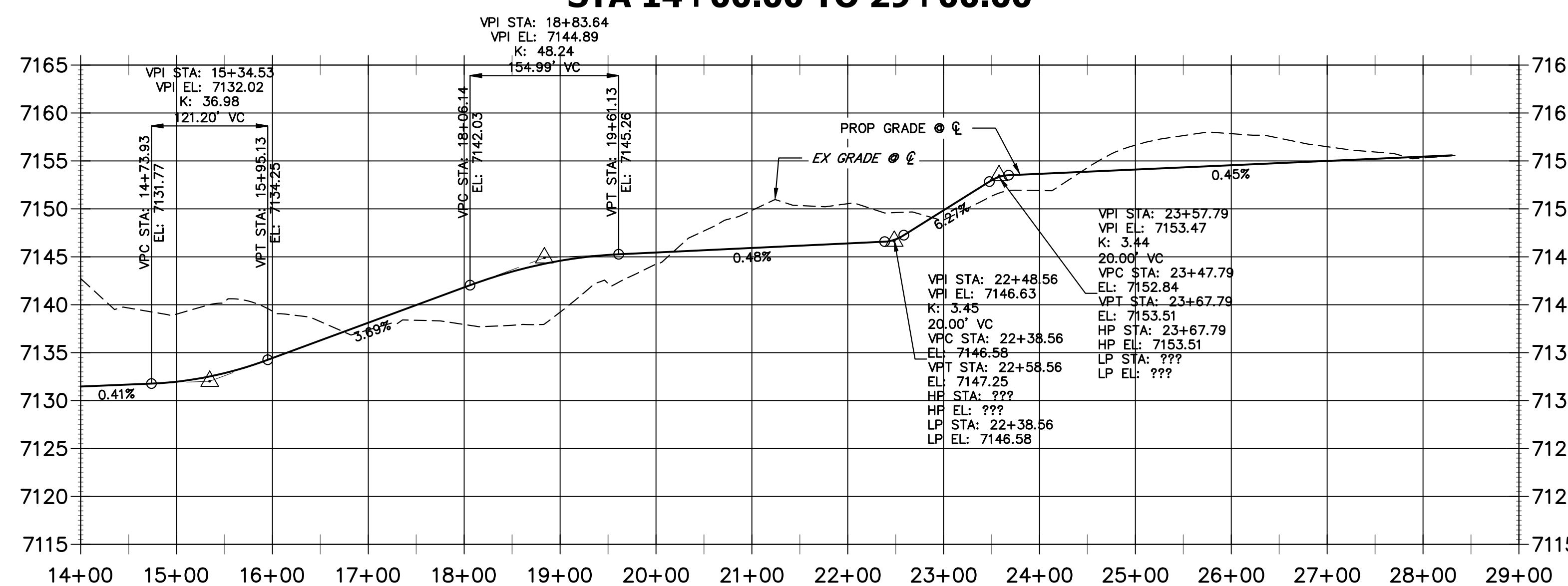
PREPARED FOR
SR LAND, LLC
 20 BOULDER CRESCENT
 2ND FLOOR
 COLORADO SPRINGS, CO 80903
 JAMES F. MORLEY
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J.R. ENGINEERING
 A Westman Company
 Centennial 303-740-9888 • Colorado Springs 719-583-2583
 Fort Collins 970-491-9888 • www.jrengineering.com

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C38	46°45'59"	100.00'	81.62'
C39	21°27'49"	400.00'	149.84'
C40	30°11'53"	50.59'	26.66'
C41	17°34'04"	100.00'	30.66'

LINE TABLE		
LINE	BEARING	DISTANCE
L36	N31°01'24"E	229.41'
L37	N51°28'24"E	353.36'
L38	N18°35'32"E	91.99'
L39	N01°01'28"E	420.45'

EAST MAINTENANCE ACCESS TRAIL PROFILE REACH 3 (2) STA 14+00.00 TO 29+00.00

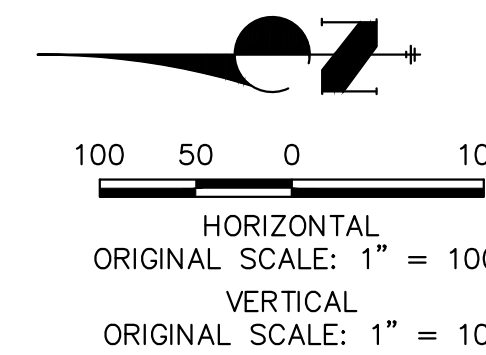


BENCHMARK

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 PANNEE RANCHEROS 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

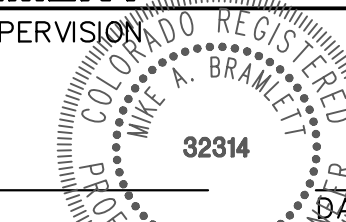
THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M. AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624", SAID LINE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



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett



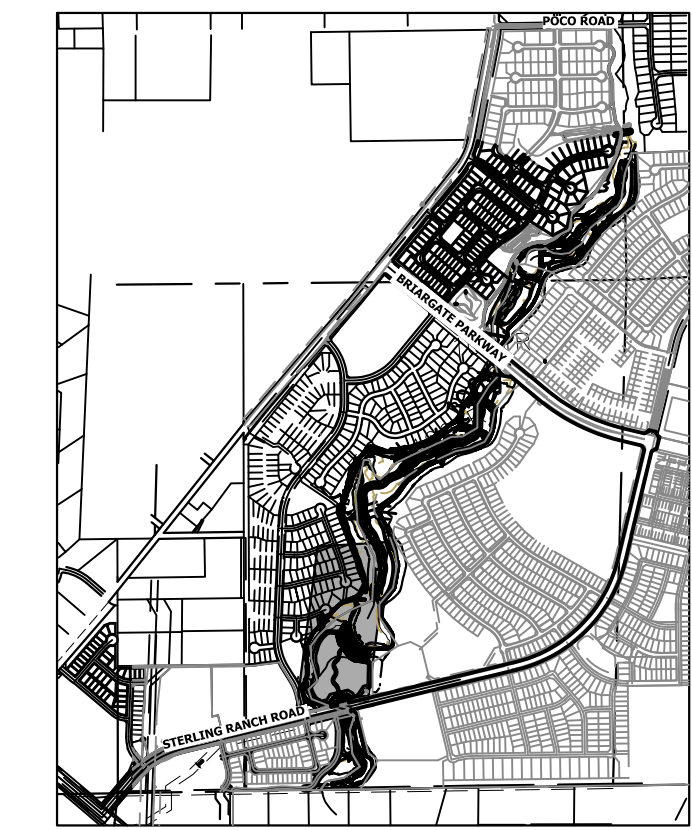
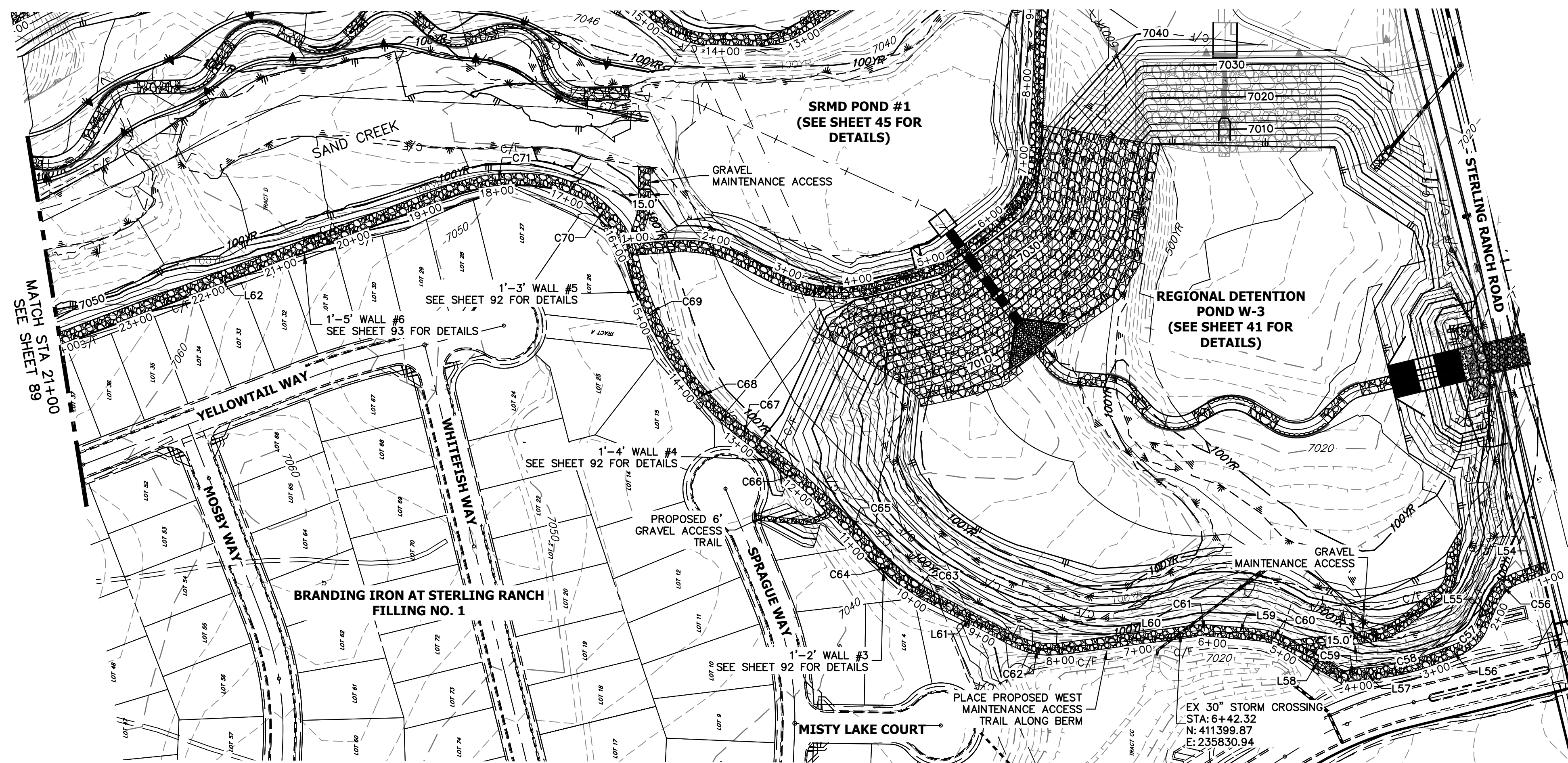
MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING

BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				1"=100'	1"=10'	4/18/23	NEO	NEO	

SAND CREEK RESTORATION
 MAINTENANCE ACCESS PLAN
 & PROFILE

SHEET 87 OF 121

JOB NO. 25188.04



KEY MAP
SCALE: 1"=2000'

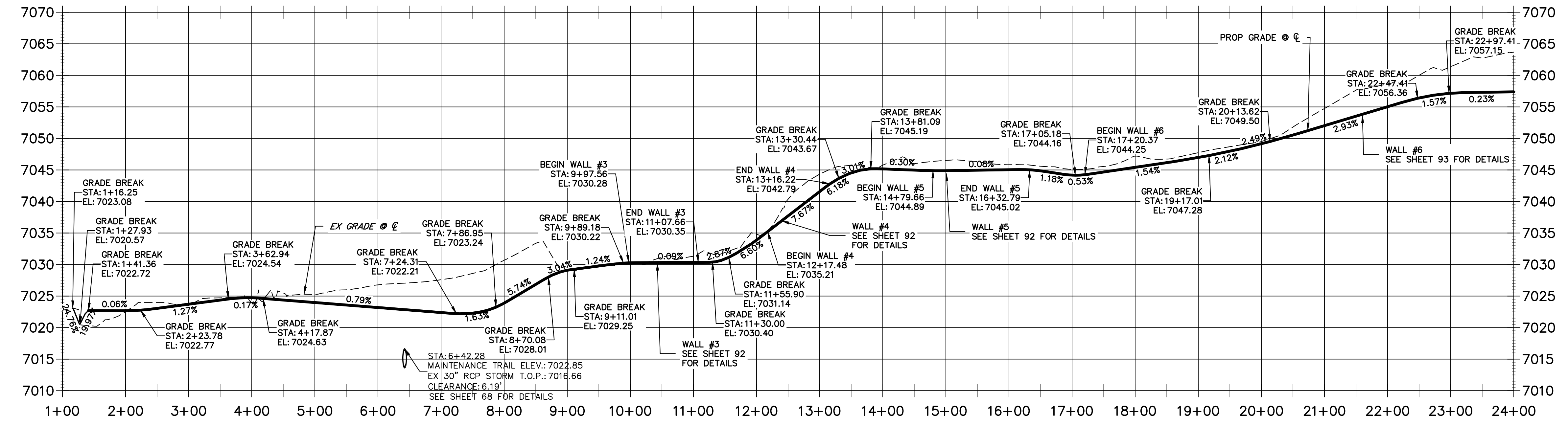
LINE TABLE

LINE	BEARING	DISTANCE
L54	N19°31'17"W	41.36'
L55	N66°04'20"W	41.88'
L56	N22°48'16"W	24.32'
L57	N05°03'38"W	10.52'
L58	N31°31'18"E	79.04'
L59	N04°49'30"E	53.49'
L60	N07°37'16"W	172.14'
L61	N27°19'03"E	130.00'
L62	N20°45'21"W	624.75'

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C56	46°33'03"	50.00'	40.62'
C57	36°57'31"	53.95'	34.80'
C58	16°23'12"	345.51'	98.82'
C59	9°02'20"	162.03'	25.56'
C60	26°37'52"	99.89'	46.43'
C61	14°19'27"	117.02'	29.26'
C62	34°56'47"	100.00'	60.99'
C63	10°27'43"	135.22'	24.69'
C64	11°40'32"	355.68'	72.48'
C65	4°26'59"	749.68'	58.22'
C66	8°47'11"	936.18'	143.56'
C67	2°55'23"	561.72'	28.66'
C68	16°32'59"	408.98'	118.13'
C69	19°17'00"	402.92'	135.60'
C70	64°55'43"	139.40'	157.97'
C71	31°49'22"	247.39'	137.41'

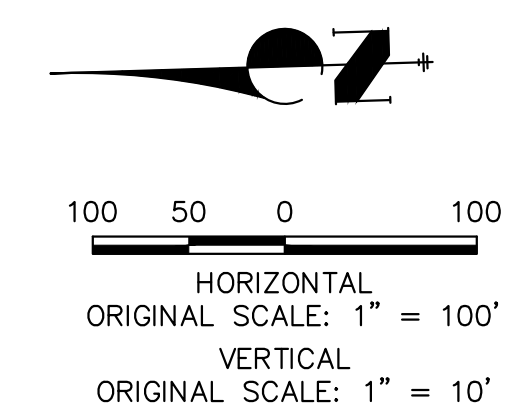
**WEST MAINTENANCE ACCESS TRAIL PROFILE REACH 2
STA 1+00.00 TO 24+00.00**



- BENCHMARK**
- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "3853", 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 PANNER 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

- NOTES:**
- STEEPEST ALLOWABLE GRADE IS 12%.
 - MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.

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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
PREPARED UNDER MY DIRECT SUPERVISION

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

DATE: 4/18/23

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

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

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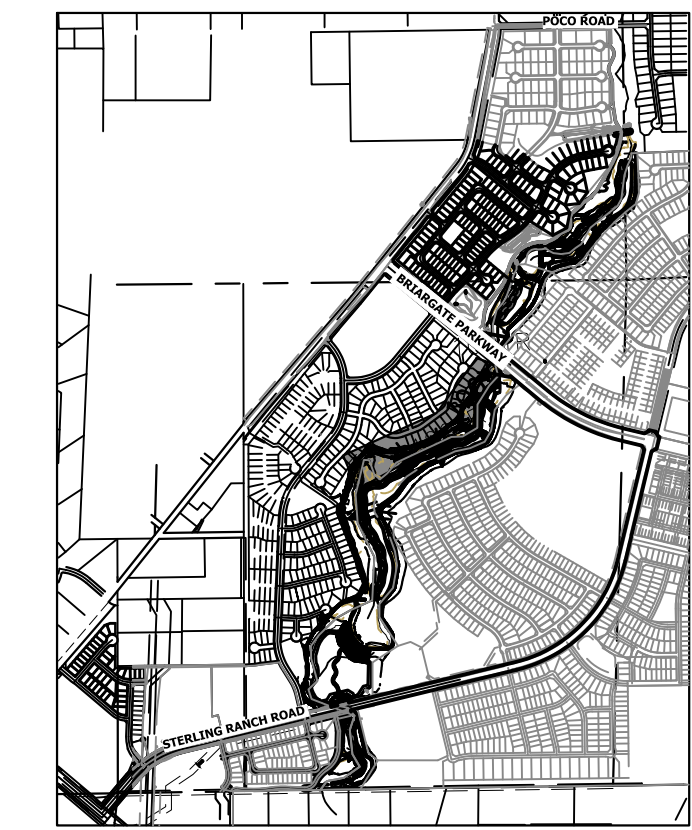
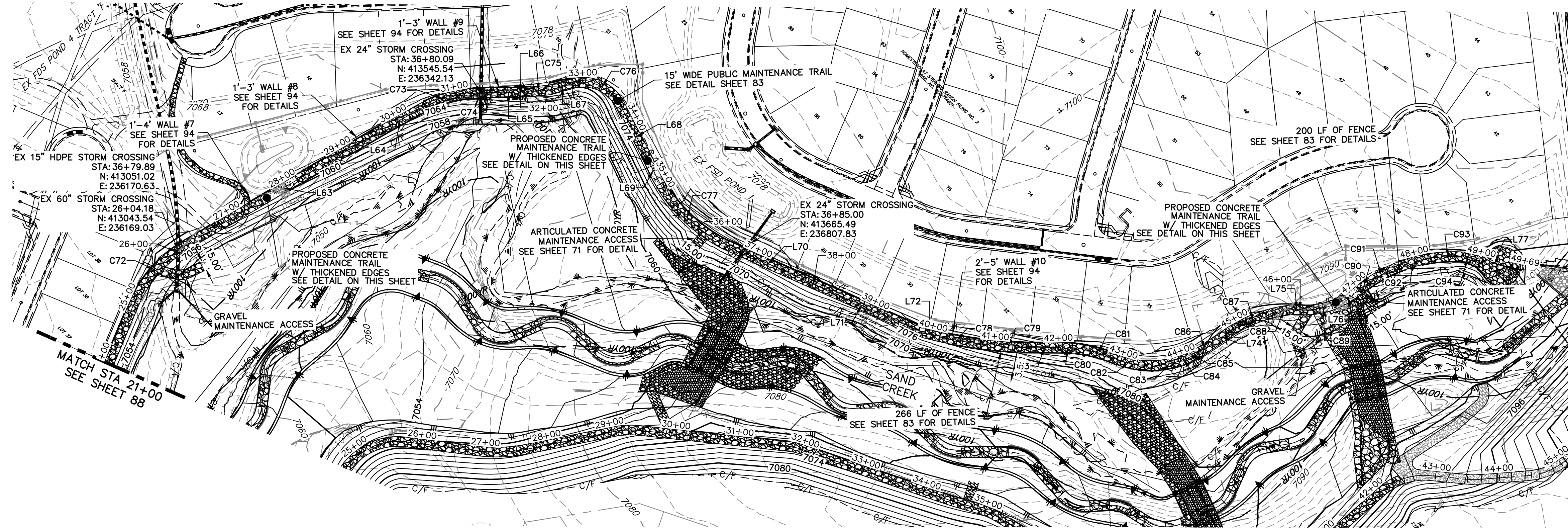
BY: [Signature] DATE: [Blank]

NO. REVISION: [Blank]

H-SCALE: 1"=100'
V-SCALE: 1"=10'
DATE: 4/18/23
DESIGNED BY: NEO
DRAWN BY: NEO
CHECKED BY: [Blank]

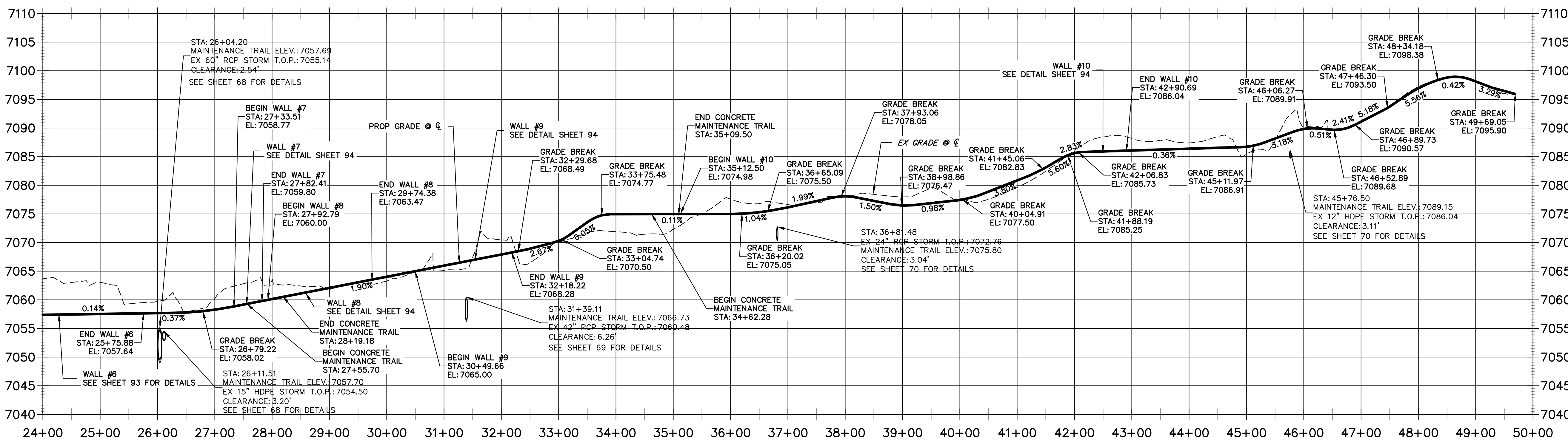
**SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN
& PROFILE**

SHEET 88 OF 121
JOB NO. 25188.04



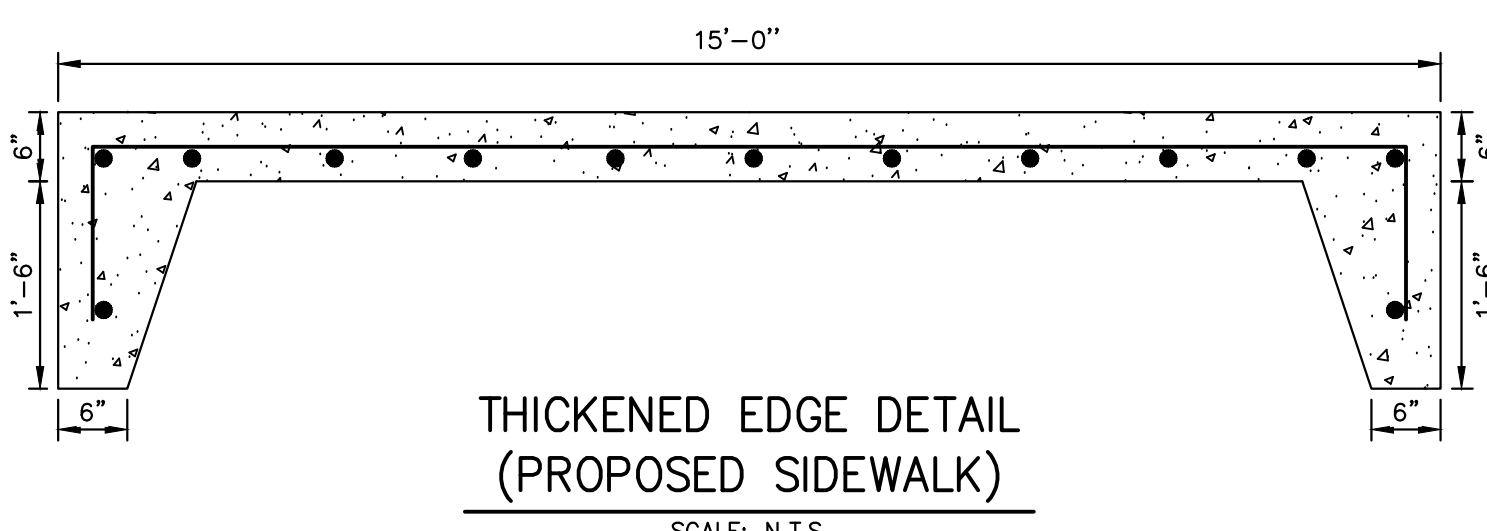
KEY MAP
SCALE: 1"=2000'

**WEST MAINTENANCE ACCESS TRAIL PROFILE REACH 2 (2)
STA 24+00.00 TO 50+00.00**



CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C72	36°51'45"	201.15'	129.41'
C73	22°43'18"	204.34'	81.04'
C74	6°53'27"	434.92'	52.31'
C75	3°28'49"	608.08'	36.94'
C76	76°47'16"	65.42'	87.67'
C77	38°50'05"	243.92'	165.33'
C78	5°05'18"	788.83'	70.06'
C79	7°18'30"	732.60'	93.45'
C80	13°14'11"	208.18'	48.09'
C81	13°44'23"	212.18'	50.88'
C82	18°26'11"	140.49'	45.21'
C83	10°23'47"	169.13'	30.69'
C84	5°13'57"	168.44'	15.38'
C85	4°04'08"	219.86'	15.61'
C86	2°23'43"	712.74'	29.80'
C87	21°50'51"	216.05'	82.38'
C88	6°09'19"	225.56'	24.23'
C89	34°38'04"	121.21'	73.27'
C90	5°09'31"	245.57'	22.11'
C91	11°34'55"	238.43'	48.20'
C92	14°31'27"	233.08'	59.08'
C93	12°14'40"	242.11'	51.74'
C94	13°22'35"	46.54'	10.86'

LINE TABLE		
LINE	BEARING	DISTANCE
L63	N16°04'48"E	351.11'
L64	N17°23'32"E	68.38'
L65	N45°41'49"E	18.46'
L66	N43°55'18"E	18.51'
L67	N31°02'29"E	40.99'
L68	S70°48'57"E	78.00'
L69	S69°23'43"E	46.22'
L70	N70°22'53"E	111.85'
L71	N70°22'53"E	212.36'
L72	N60°26'50"E	15.61'
L73	N45°38'08"E	19.93'
L74	N12°26'24"E	31.11'
L75	N47°43'42"E	9.79'
L76	N13°52'47"E	21.87'
L77	N58°12'37"E	80.86'



- 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 PANWEE 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 = 410095.404
EASTING = 233849.817
ELEVATION = 7030.82

- NOTES:**
- STEEPEST ALLOWABLE GRADE IS 12%.
 - MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.

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
PREPARED UNDER MY DIRECT SUPERVISION

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

4/18/23

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE AS 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
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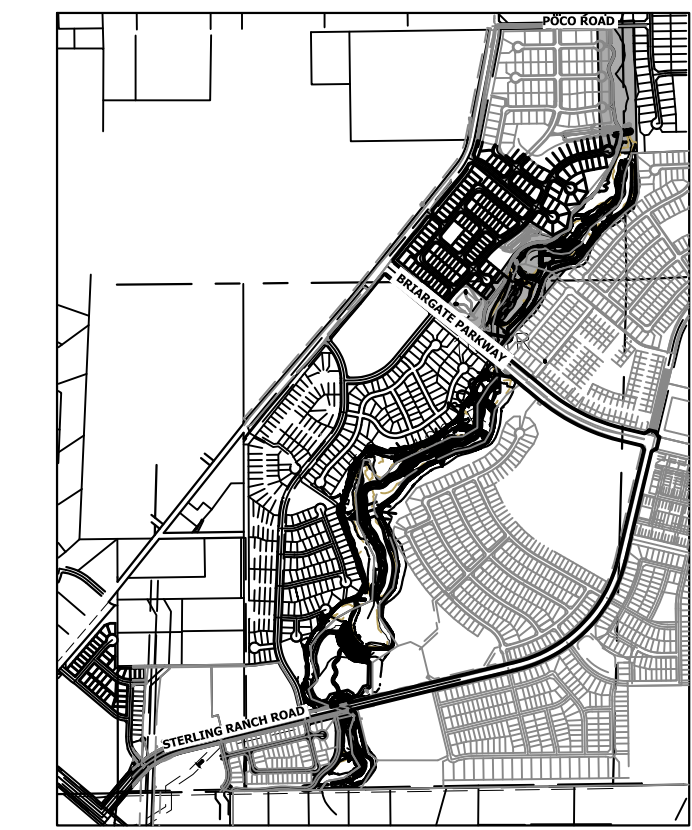
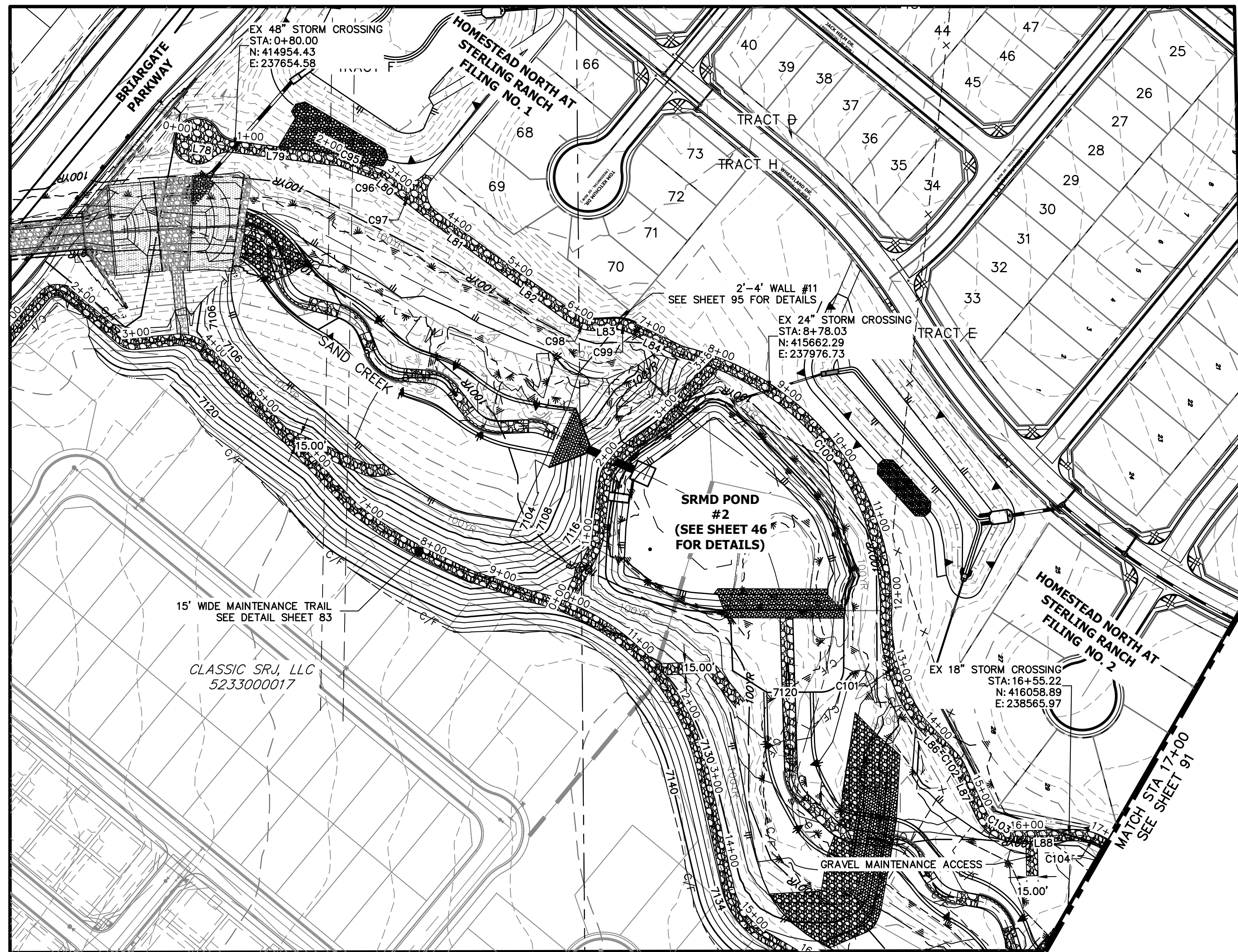
BY: [] DATE: []

No. REVISION

H-SCALE 1"=100'
V-SCALE 1"=10'
DATE 4/18/23
DESIGNED BY NEO
DRAWN BY NEO
CHECKED BY

**SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN
& PROFILE**

SHEET 89 OF 121
JOB NO. 25188.04

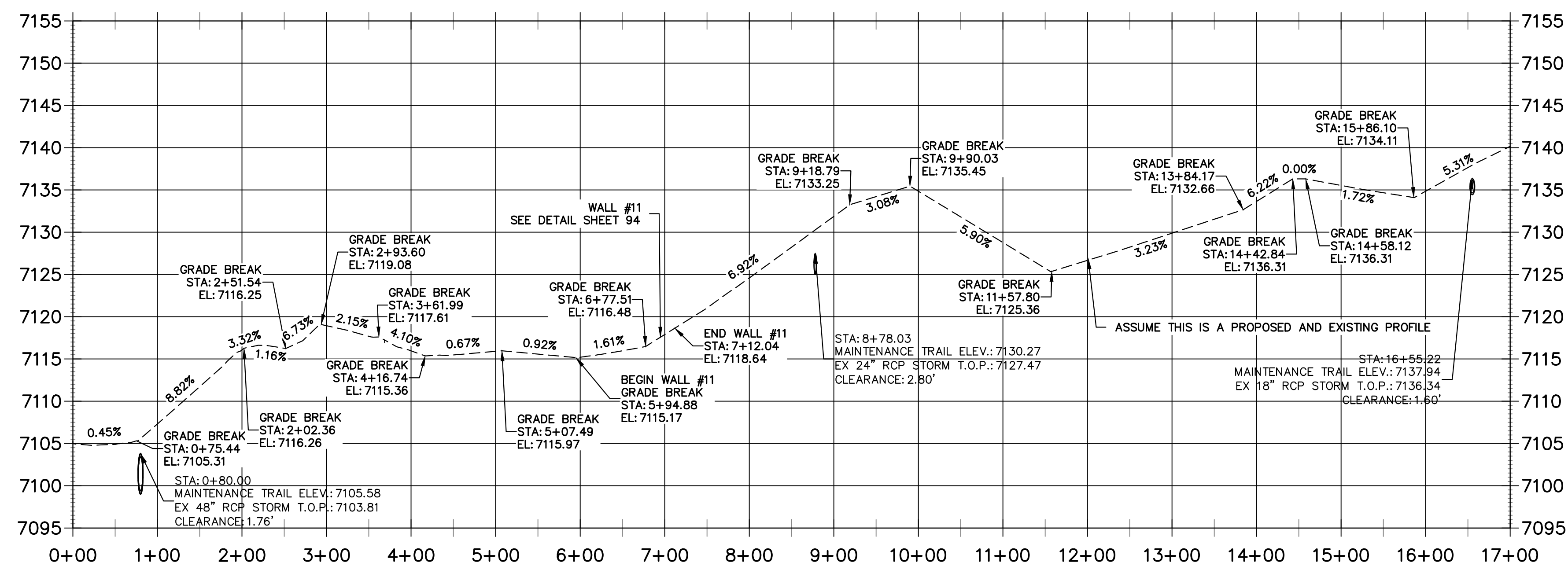


KEY MAP
SCALE: 1"=2000'

LINE TABLE		
LINE	BEARING	DISTANCE
L78	S08°37'43"W	75.44'
L79	S03°01'50"W	118.27'
L80	S38°42'38"W	6.00'
L81	S36°18'51"W	113.03'
L82	S36°05'29"W	128.11'
L83	S02°34'56"E	24.28'
L84	S26°11'26"W	68.42'
L85	S16°42'01"W	4.06'
L86	S47°06'52"W	61.16'
L87	S65°16'17"W	68.61'
L88	S01°15'45"E	69.52'

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C95	8°40'59"	514.97'	78.04'
C96	19°10'27"	57.50'	19.24'
C97	0°58'06"	3358.10'	56.75'
C98	38°40'25"	50.00'	33.75'
C99	28°46'22"	50.00'	25.11'
C100	75°34'05"	349.70'	461.22'
C101	41°21'14"	228.66'	165.04'
C102	18°02'51"	48.50'	15.28'
C103	66°32'02"	51.50'	59.80'
C104	45°41'11"	80.36'	64.08'

**WEST MAINTENANCE ACCESS TRAIL PROFILE REACH 3
STA 0+00.00 TO 17+00.00**



- BENCHMARK**
- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHWEST 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 = 235849.817
ELEVATION = 7030.82

- NOTES:**
- STEEPEST ALLOWABLE GRADE IS 12%.
 - MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.

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 SOUTHWEST 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.

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ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

32314
4/18/23

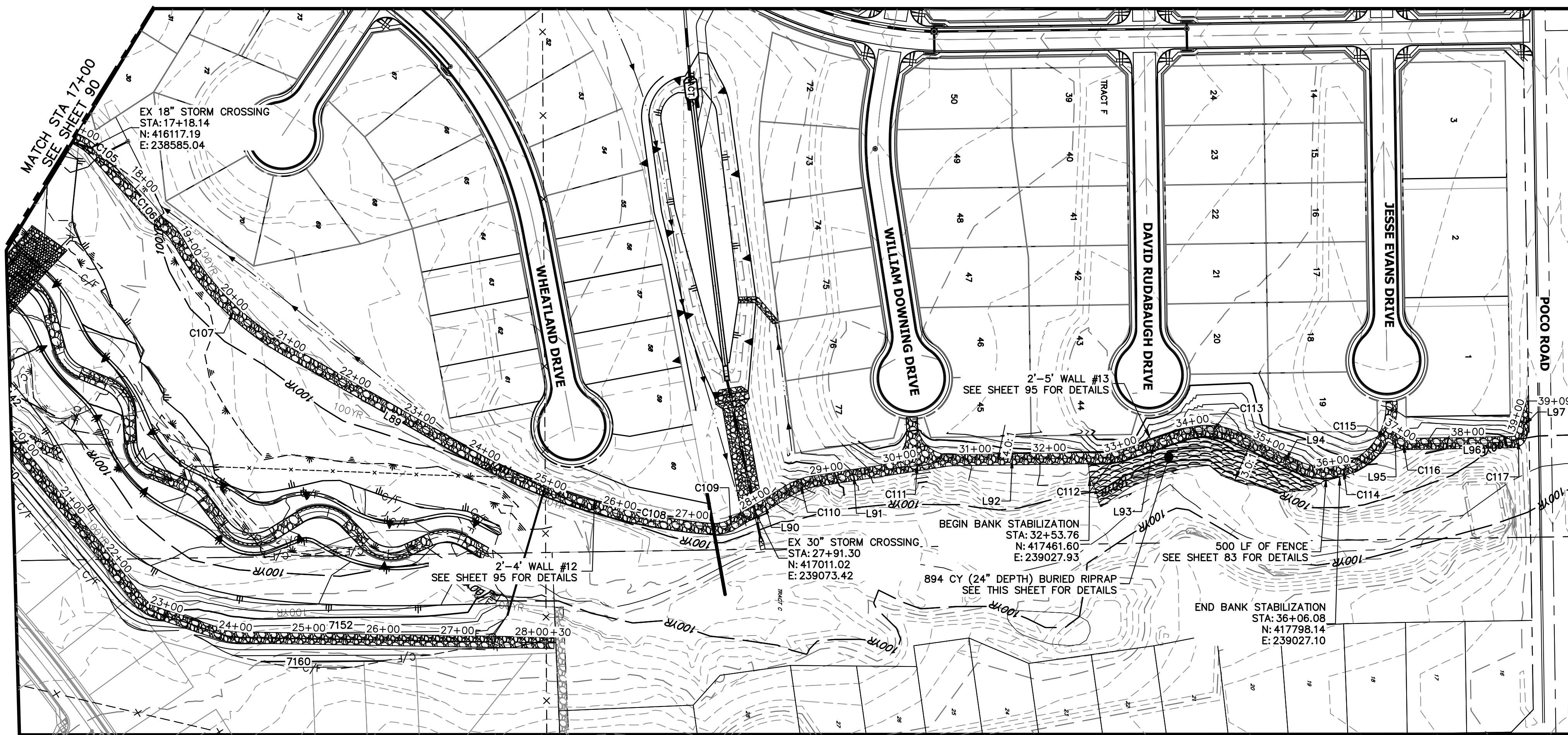
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

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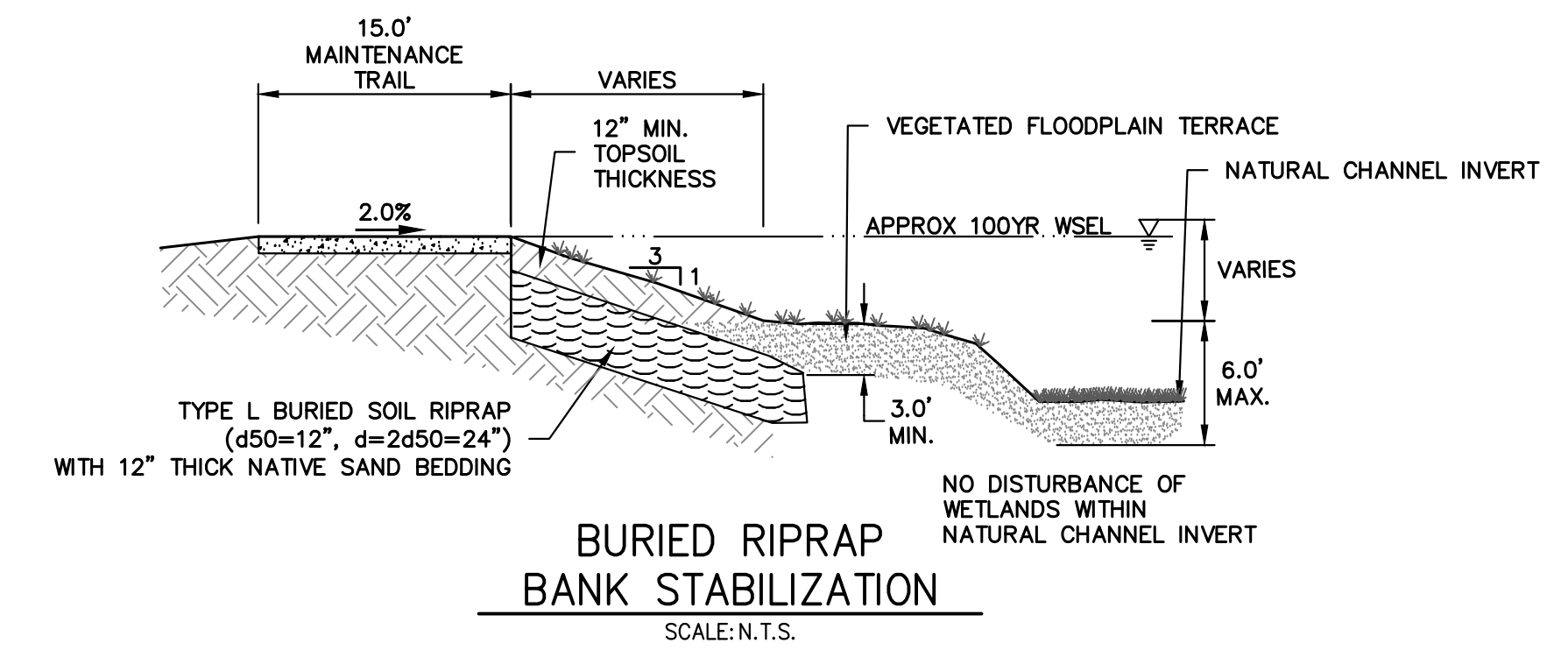
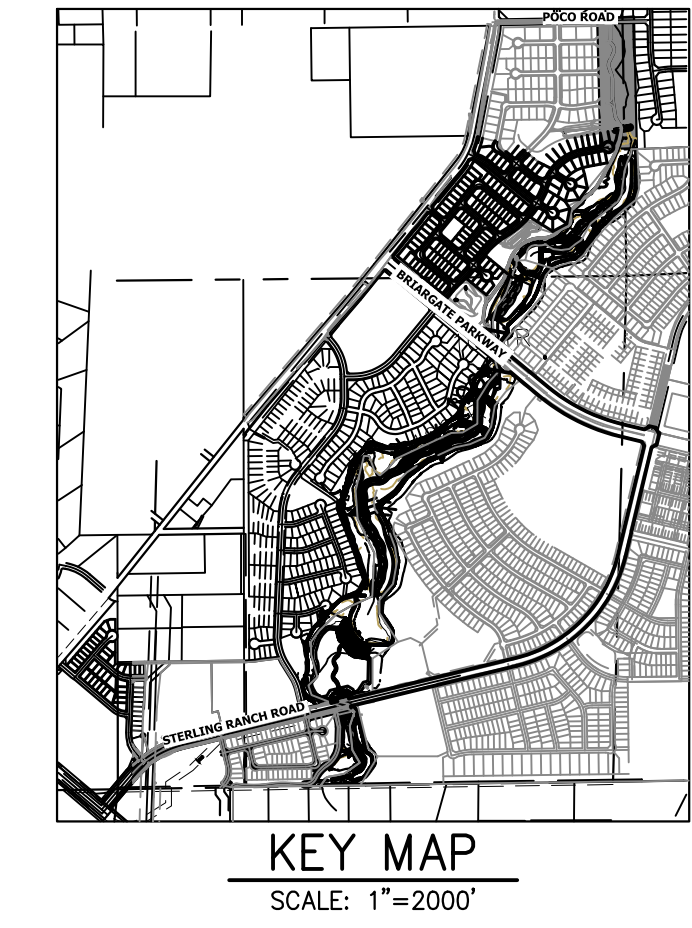
SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN & PROFILE

SHEET 90 OF 121
JOB NO. 25188.04

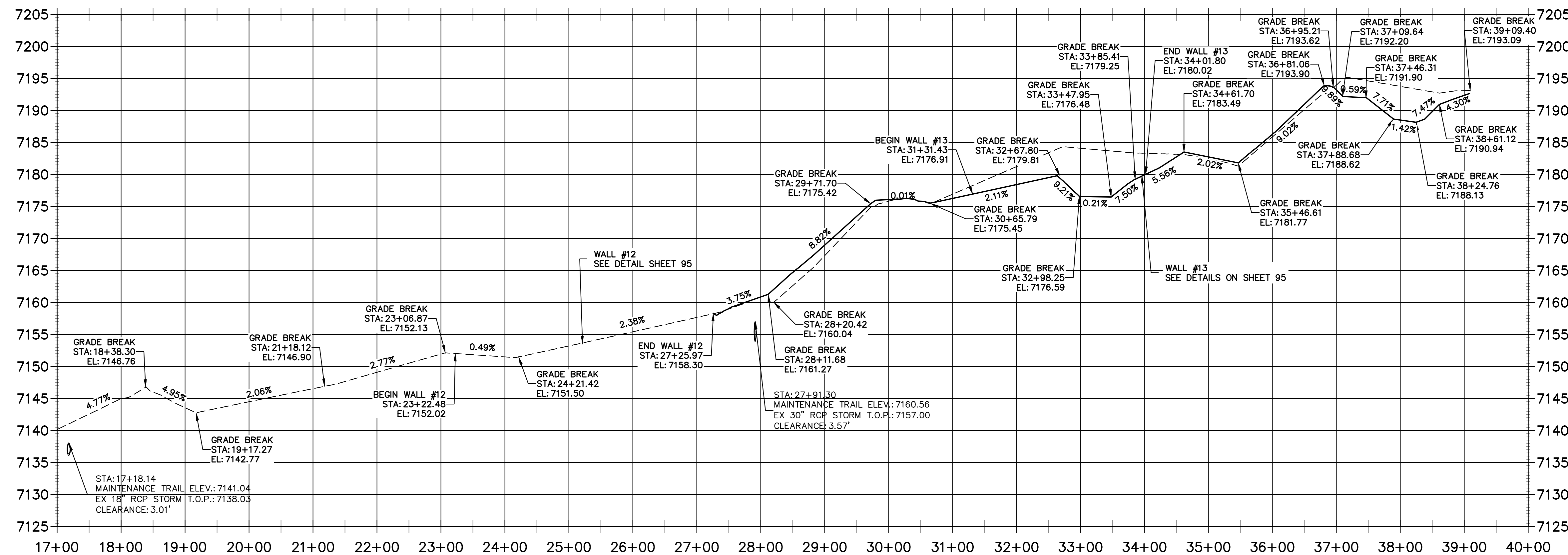


CURVE	DELTA	RADIUS	LENGTH
C105	7°06'54"	302.74'	37.59'
C106	23°51'40"	357.55'	148.90'
C107	29°59'00"	404.13'	211.49'
C108	25°58'25"	697.22'	316.06'
C109	36°32'28"	50.00'	31.89'
C110	22°05'57"	100.00'	38.57'
C111	6°18'13"	853.96'	93.95'
C112	17°51'03"	100.00'	31.16'
C113	44°32'40"	100.00'	77.74'
C114	85°25'36"	89.24'	133.05'

LINE	BEARING	DISTANCE
L89	S29°27'35"W	303.30'
L90	S30°52'26"E	75.20'
L91	S08°46'30"E	88.45'
L92	S00°51'29"E	206.73'
L93	S18°42'32"E	80.54'
L94	S25°50'08"W	84.89'
L95	S31°04'35"W	14.57'



**WEST MAINTENANCE ACCESS TRAIL PROFILE REACH 3 (2)
STA 17+00.00 TO 40+00.00**



BENCHMARK

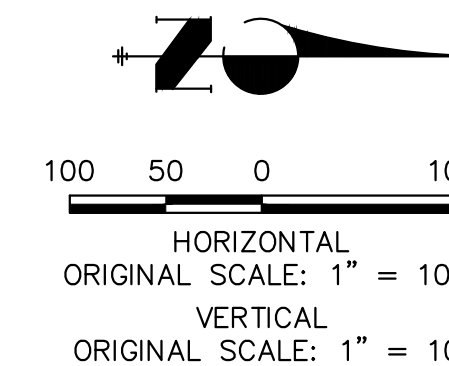
- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
- THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAVNEE RANCHEROS SUBDIVISION
NORTHING = 410095.404
EASTING = 235652.131
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

NOTES:

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BASIS OF BEARINGS

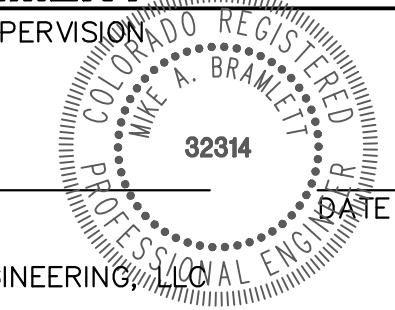
THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M. AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624", SAID LINE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



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



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

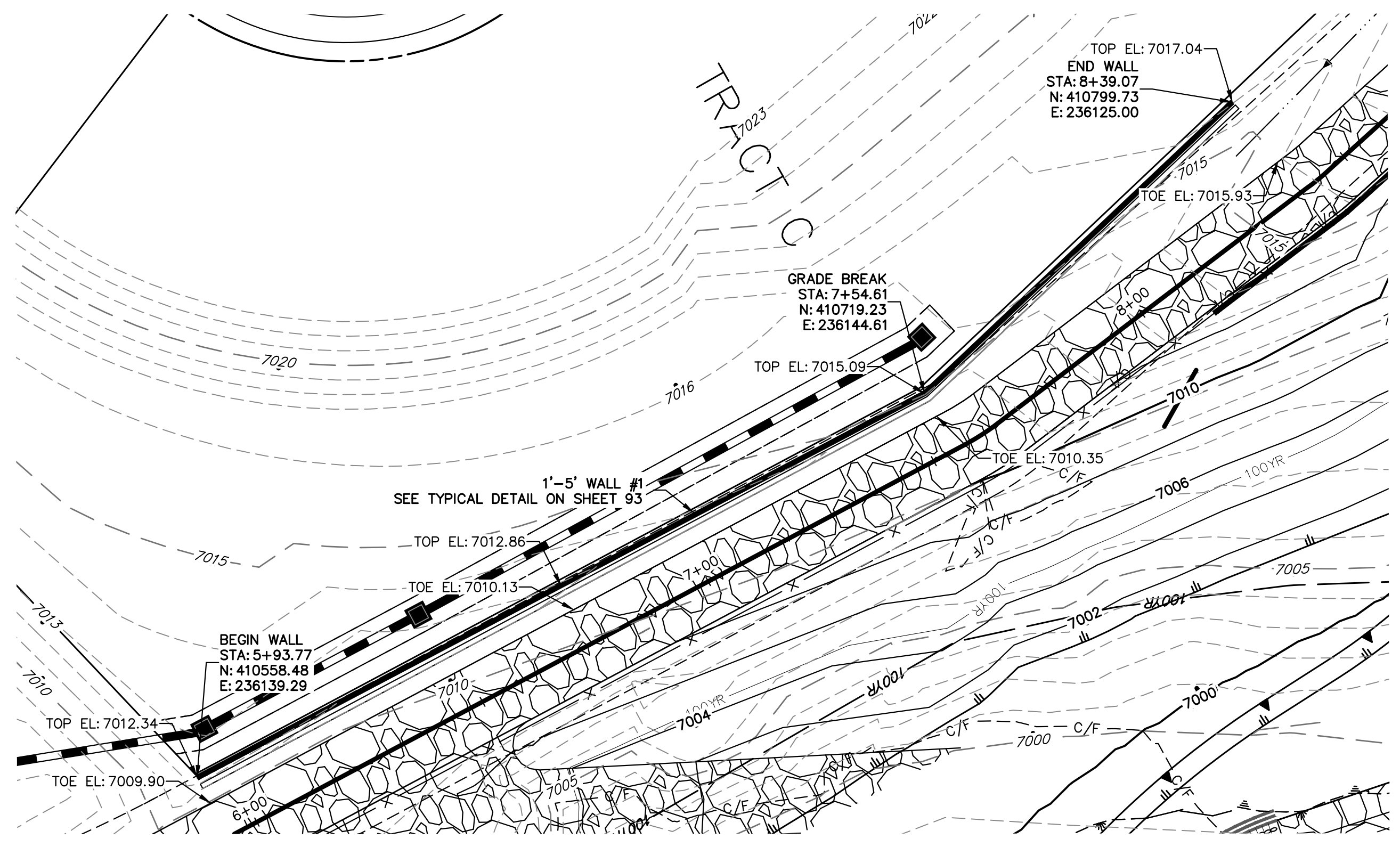
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BY	DATE

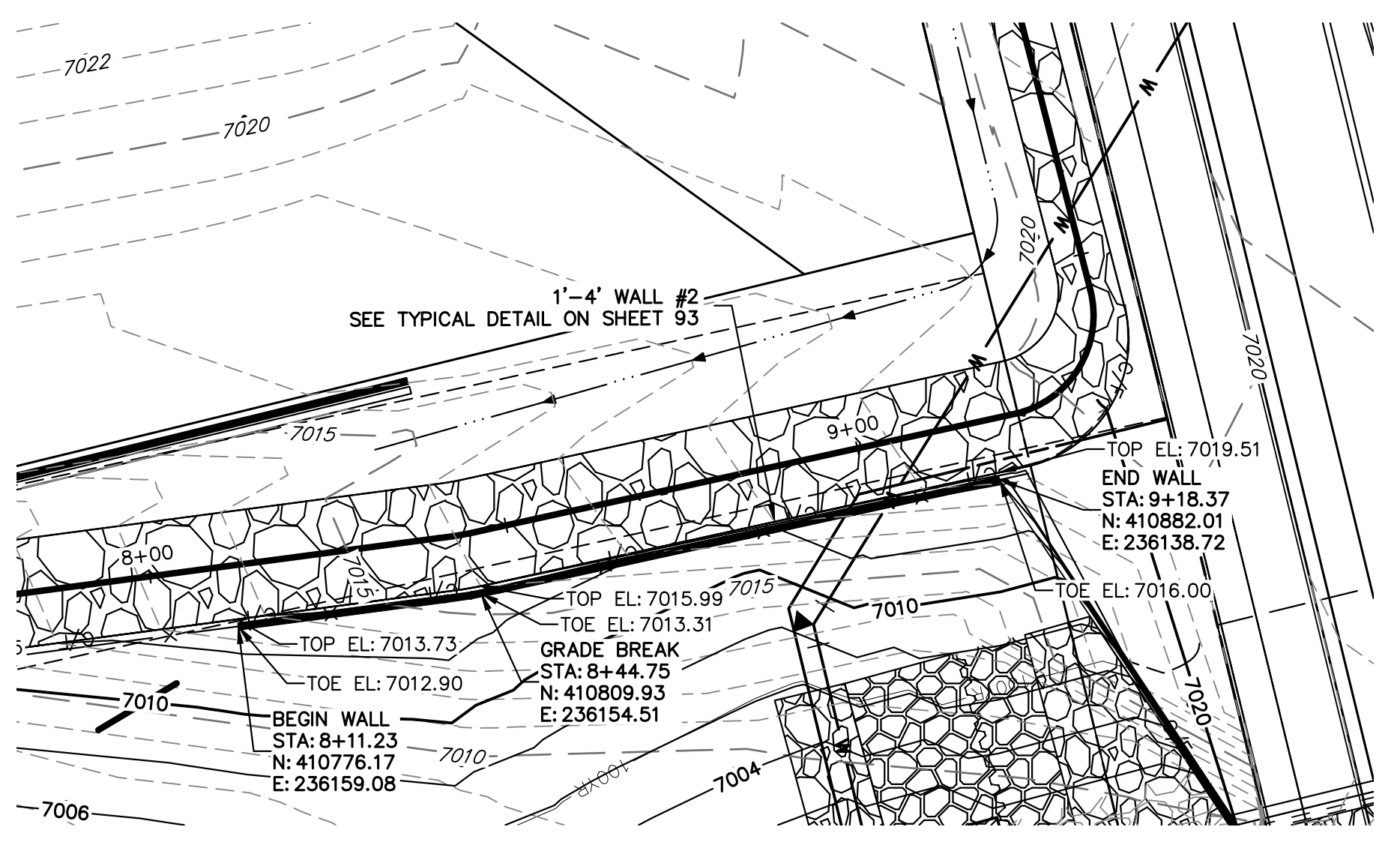
No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
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SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN & PROFILE

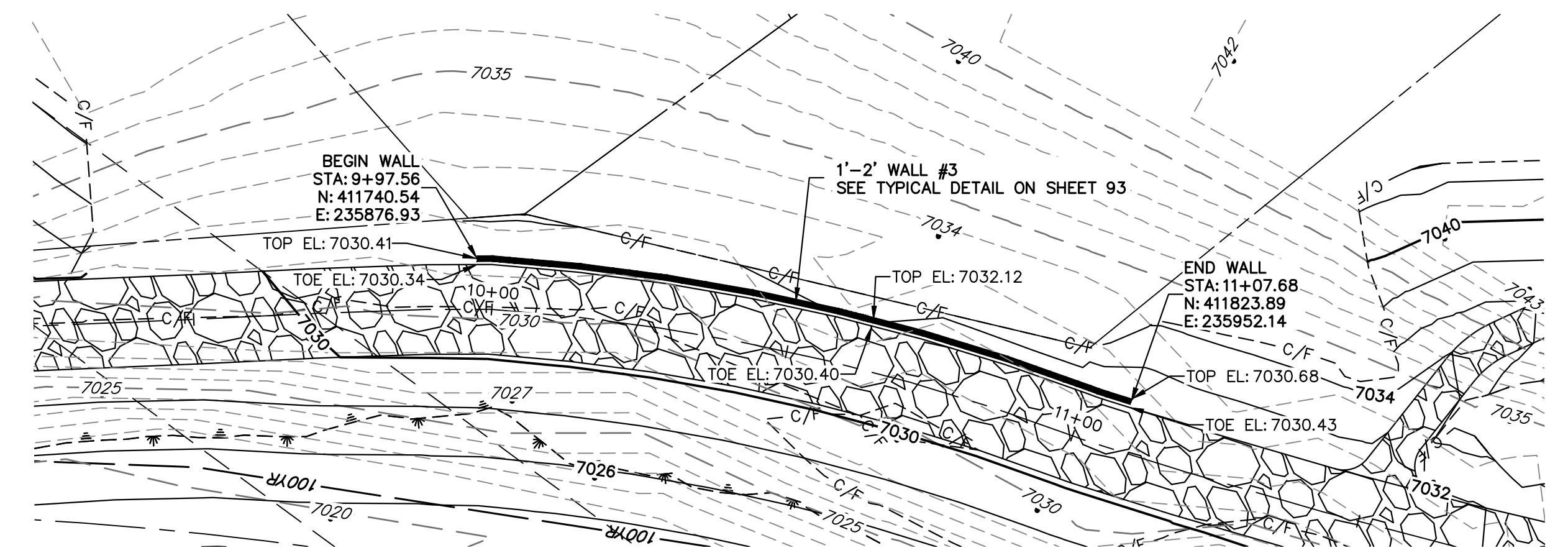
SHEET 91 OF 121
JOB NO. 25188.04



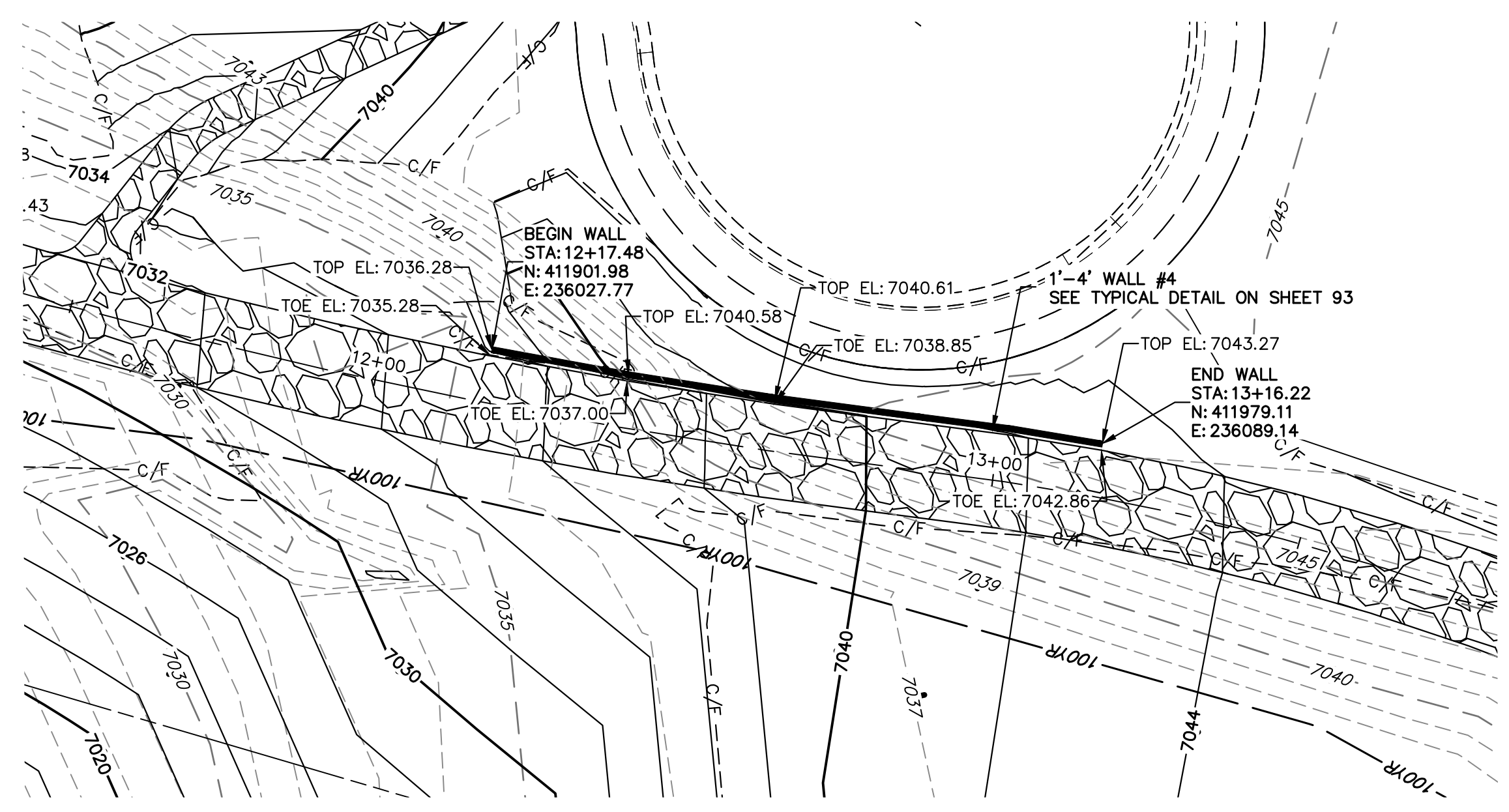
MAINTENANCE TRAIL WALL #1



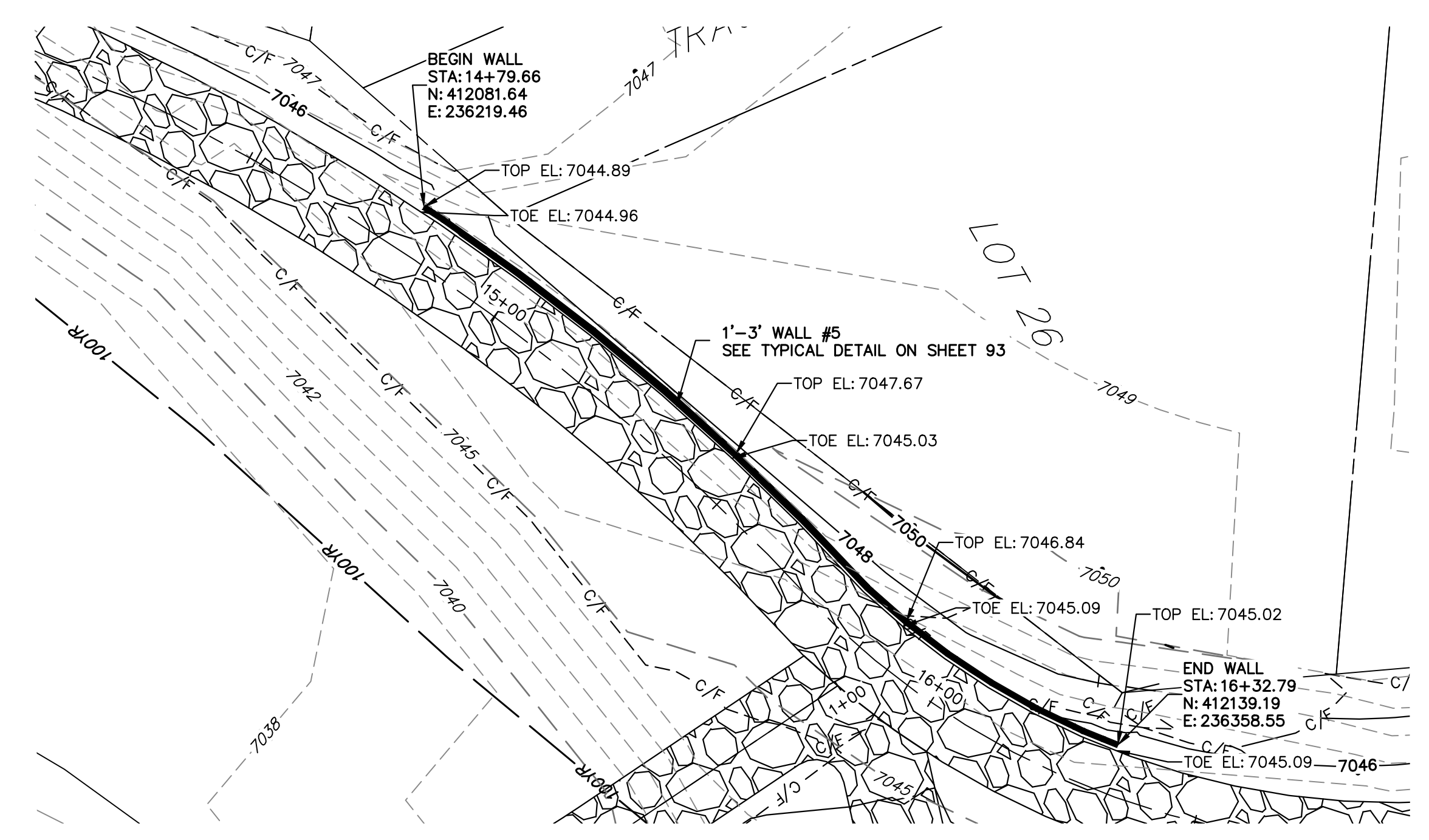
MAINTENANCE TRAIL WALL #2



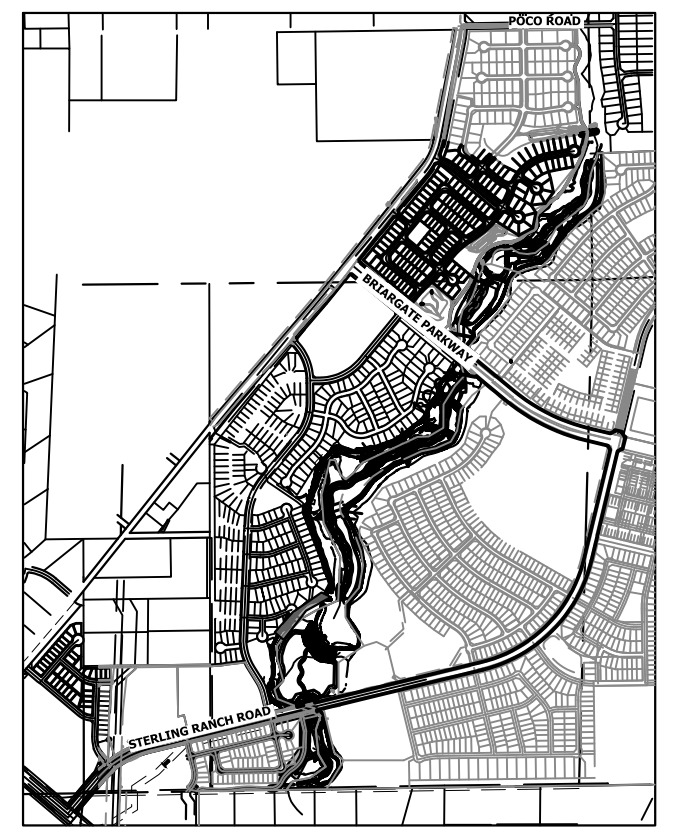
MAINTENANCE TRAIL WALL #3



MAINTENANCE TRAIL WALL #4



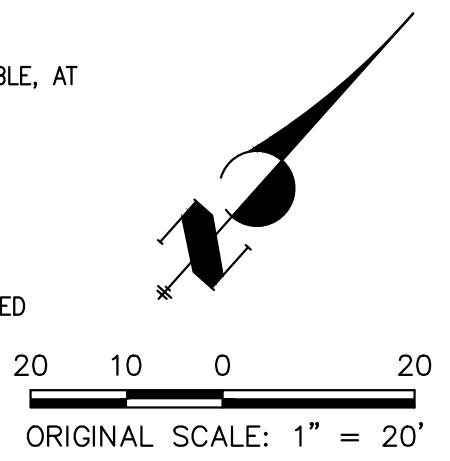
MAINTENANCE TRAIL WALL #5



KEY MAP

BENCHMARK

1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "3853", AT THE SOUTHWEST 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 PAWNEE RANCHEROS 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




NOTES:

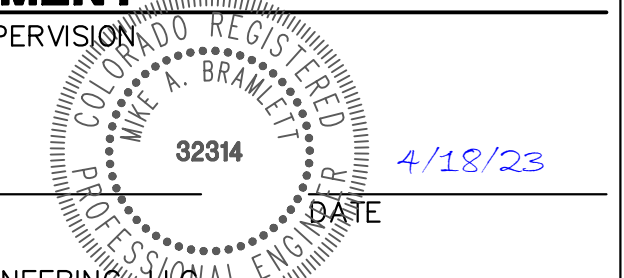
1. STEEPEST ALLOWABLE GRADE IS 12%.
2. MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.

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

PREPARED UNDER MY DIRECT SUPERVISION

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



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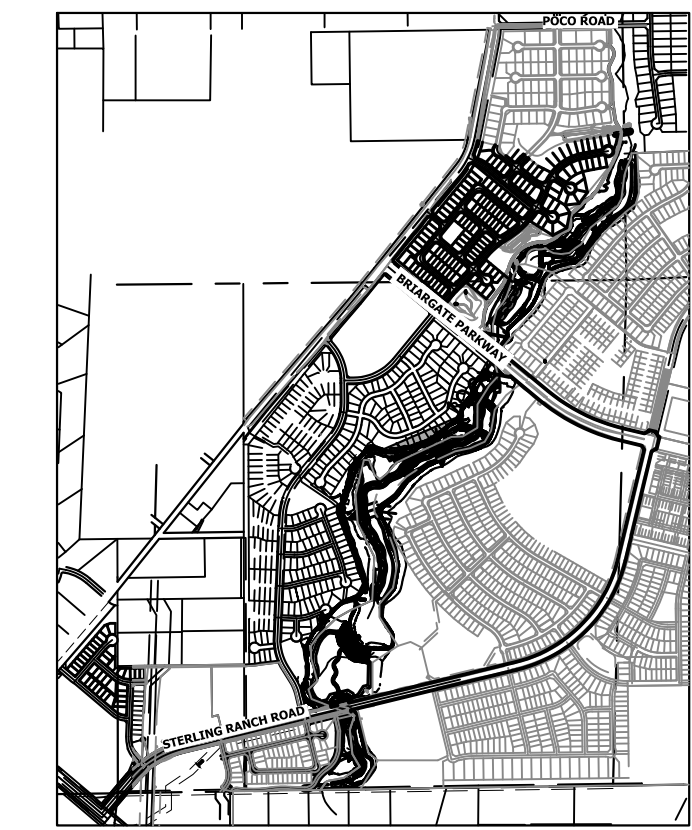
PREPARED FOR
SR LAND, LLC
 20 BOULDER CRESCENT
 2ND FLOOR
 COLORADO SPRINGS, CO 80903
 JAMES F. MORLEY
 (719) 419-3024

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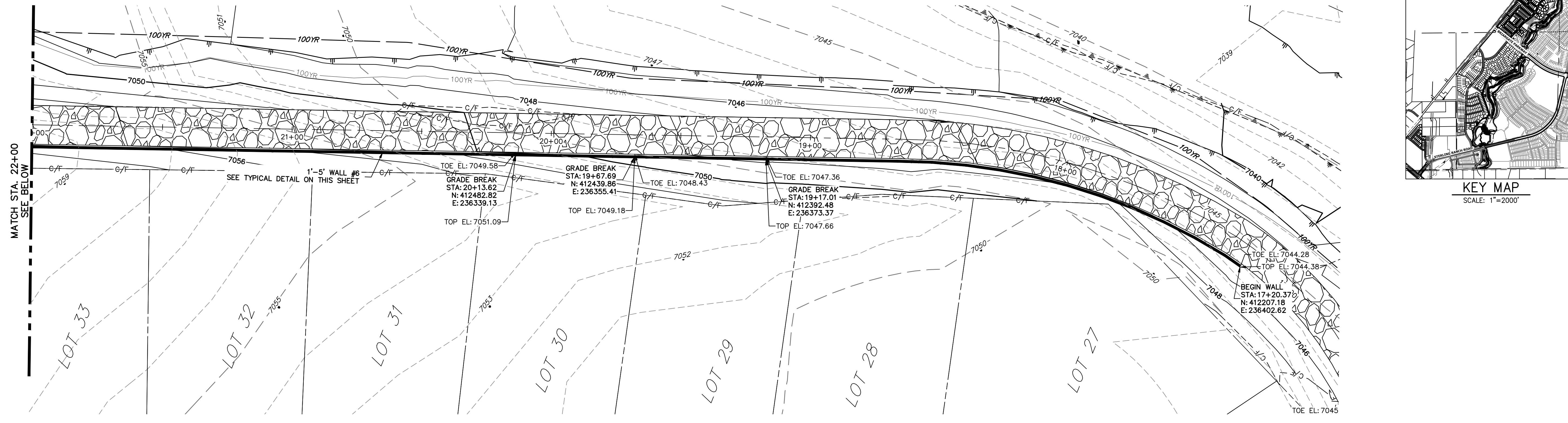
BY	DATE	REVISION

SAND CREEK RESTORATION
 MAINTENANCE ACCESS PLAN
 & PROFILE

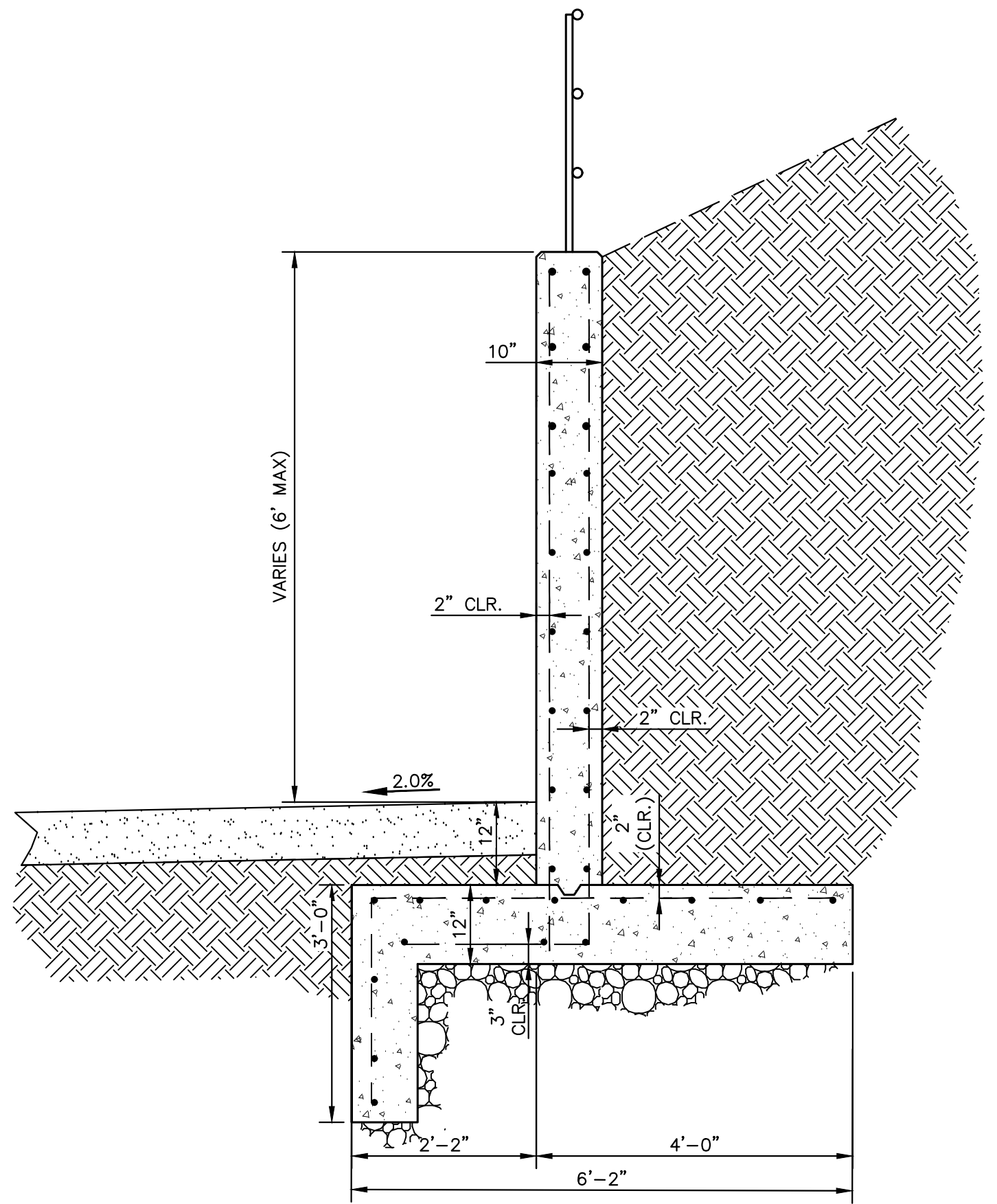
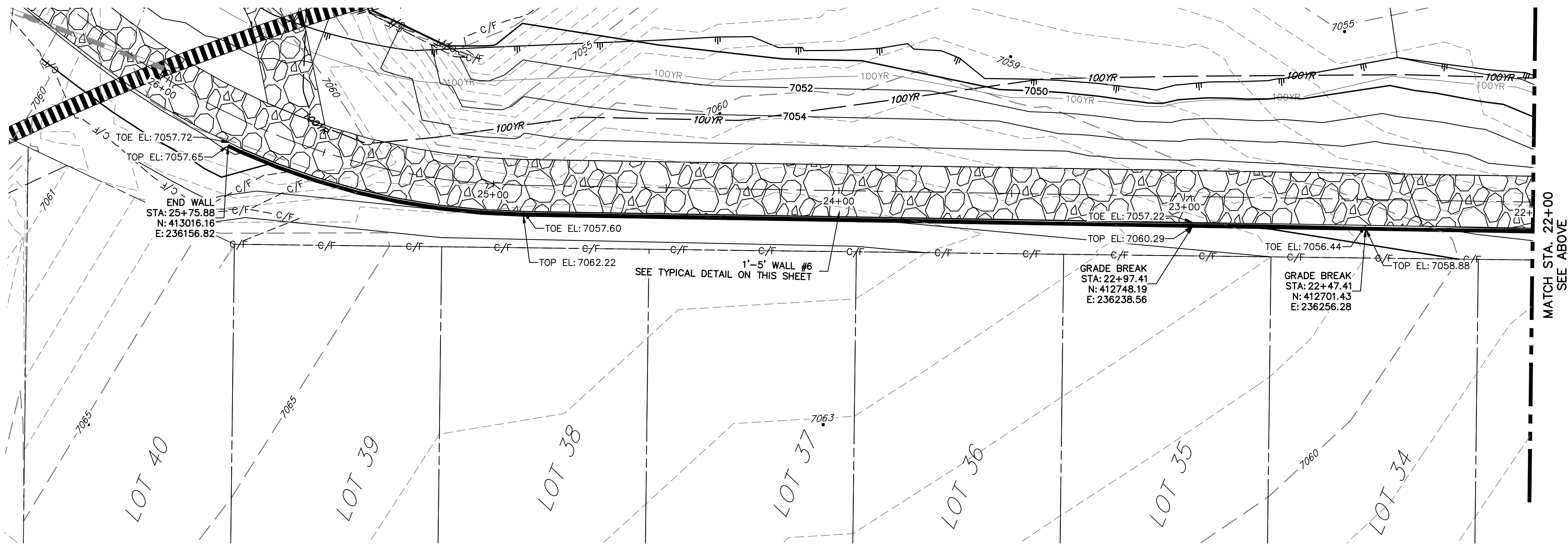
SHEET 92 OF 121
 JOB NO. 25188.04



KEY MAP
SCALE: 1"=2000'



MAINTENANCE TRAIL WALL #6

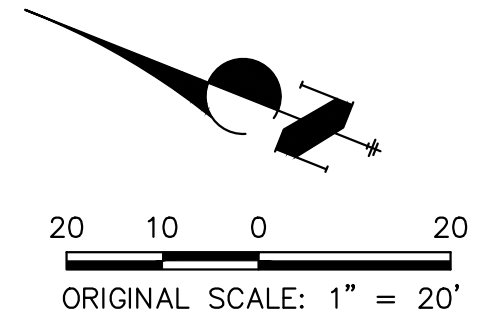


TYPICAL WALL DETAIL
SCALE: NTS

- 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
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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

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COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23

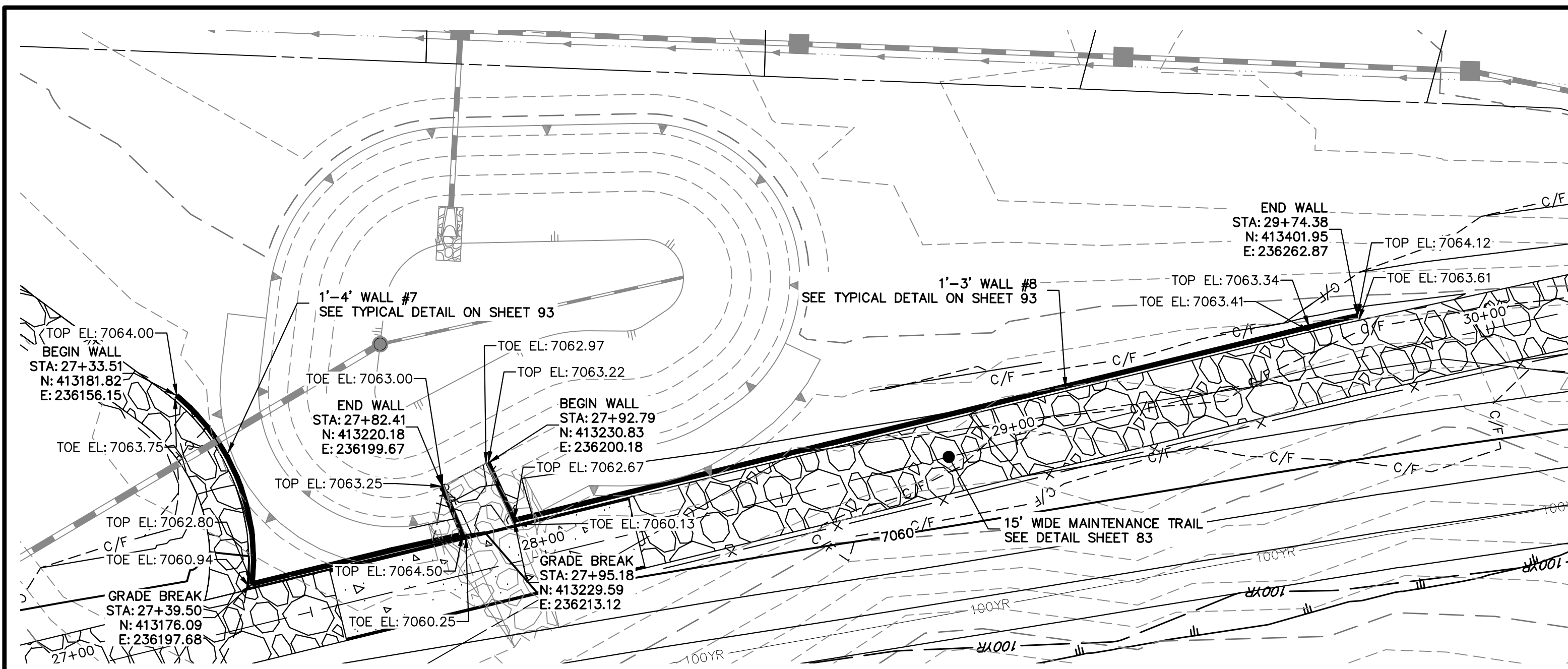
SAND CREEK RESTORATION MAINTENANCE ACCESS PLAN & PROFILE	BY	DATE	No.	REVISION
	H-SCALE	1"=20'		
	V-SCALE	N/A		
	DATE	4/18/23	DESIGNED BY	NEO
	DRAWN BY		CHECKED BY	NEO
	SHEET 93 OF 121		JOB NO. 25188.04	

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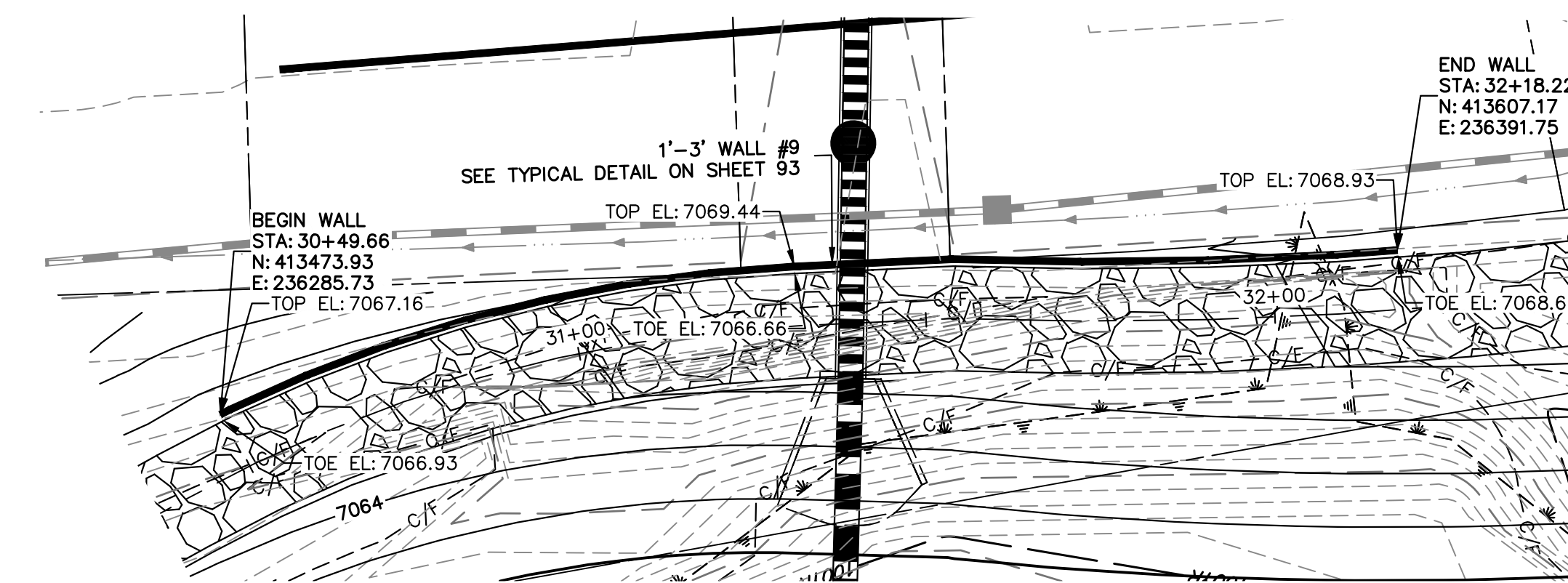
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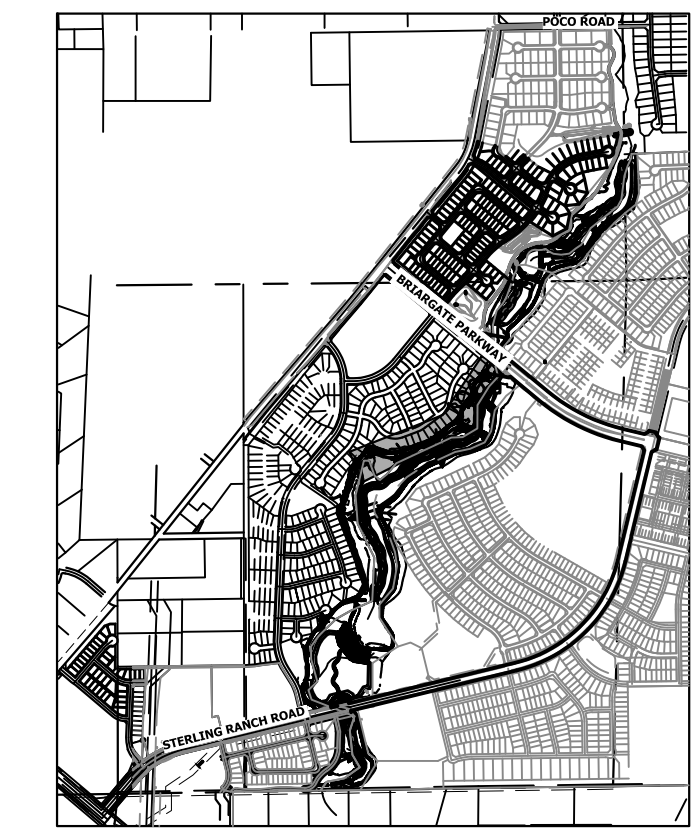
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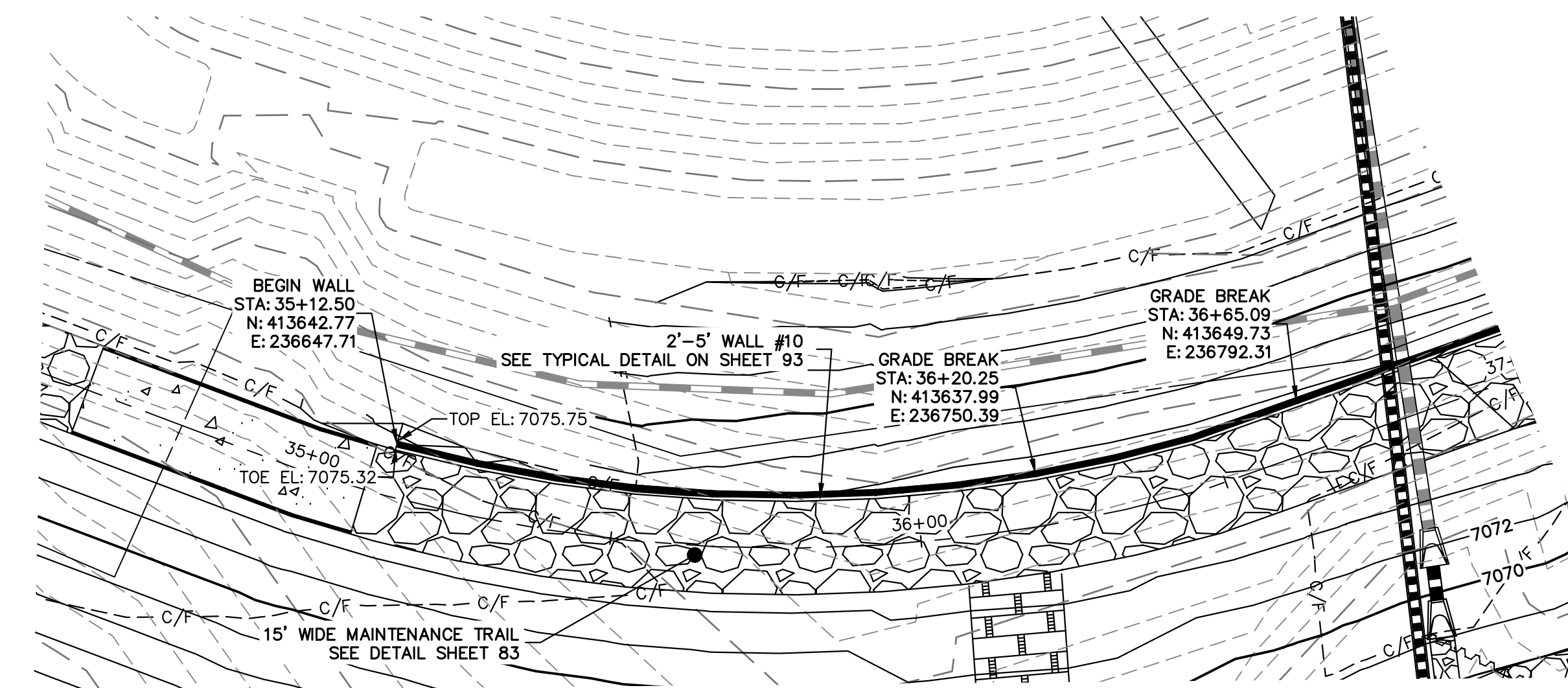
MAINTENANCE TRAIL WALLS #7 AND #8



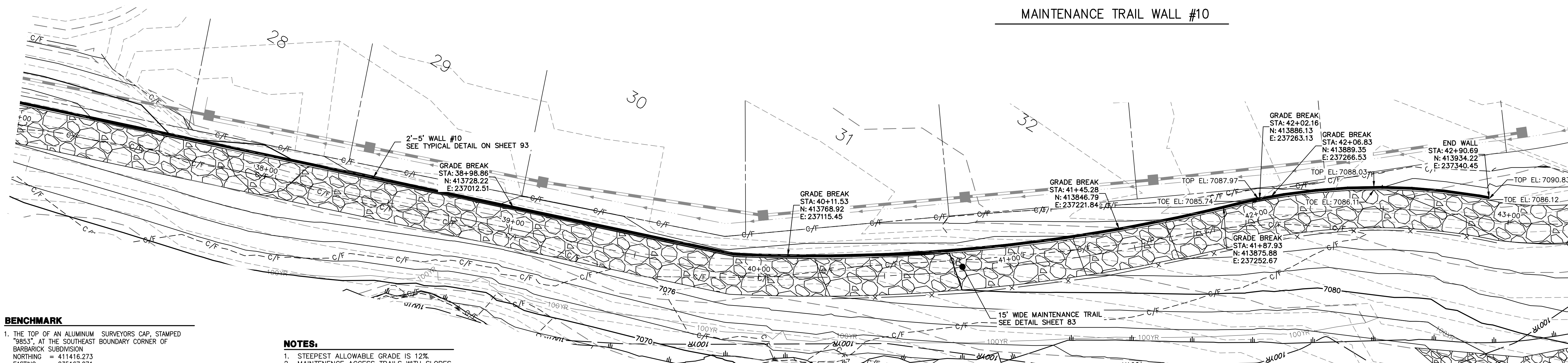
MAINTENANCE TRAIL WALL #9



KEY MAP
SCALE: 1"=2000'



MAINTENANCE TRAIL WALL #10



MAINTENANCE TRAIL WALL #10

- BENCHMARK**
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NORTHING = 410025.404
EASTING = 235052.131
ELEVATION = 7000.40
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NORTHING = 411399.962
EASTING = 233849.817
ELEVATION = 7030.82

- NOTES:**
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 2. MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.

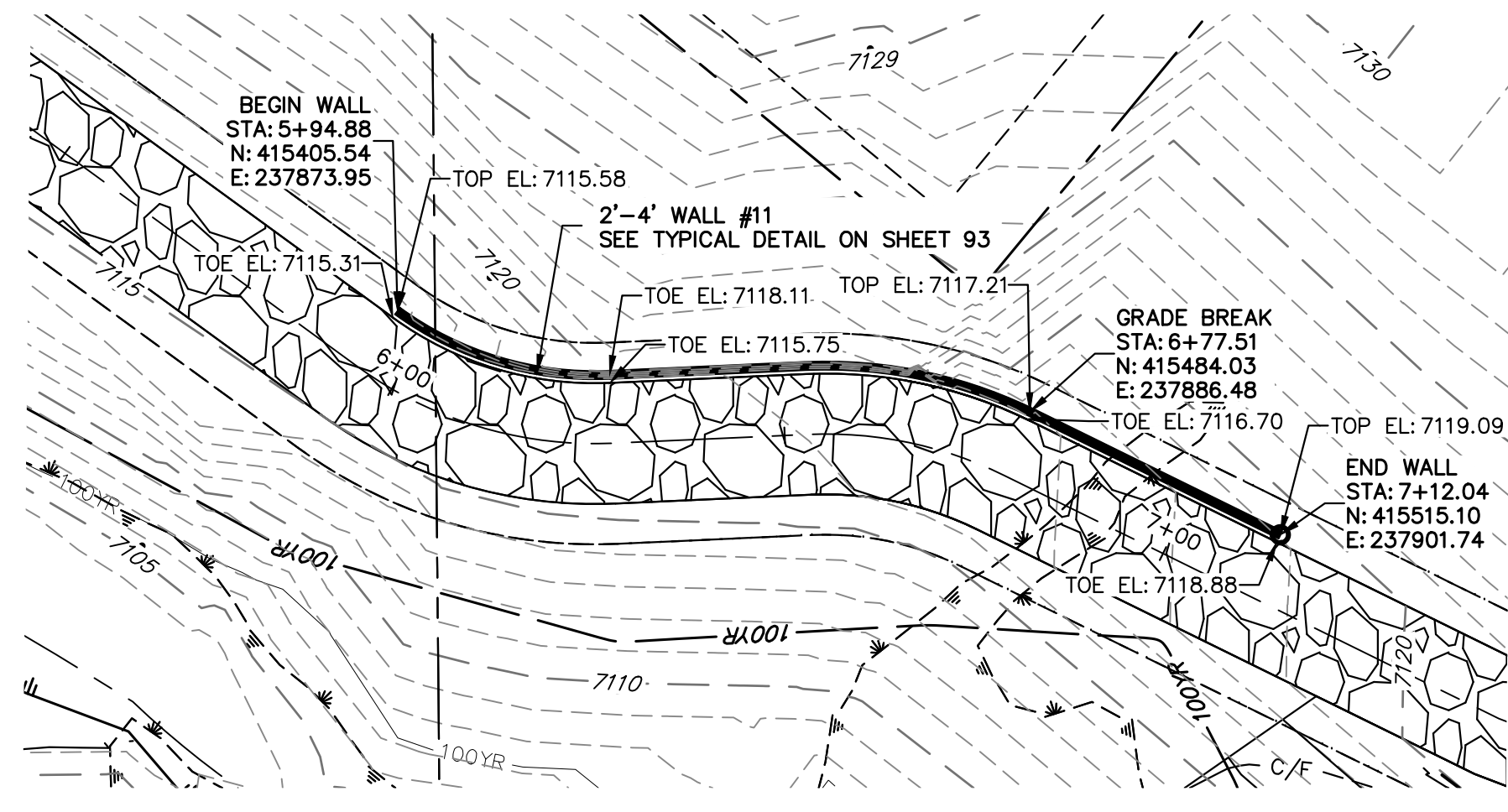
BASIS OF BEARINGS
THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE SOUTHWEST CORNER OF SAID SOUTHWEST QUARTER BY A 2-1/2" ALUMINUM CAP STAMPED "LS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

ORIGINAL SCALE: 1" = 20'

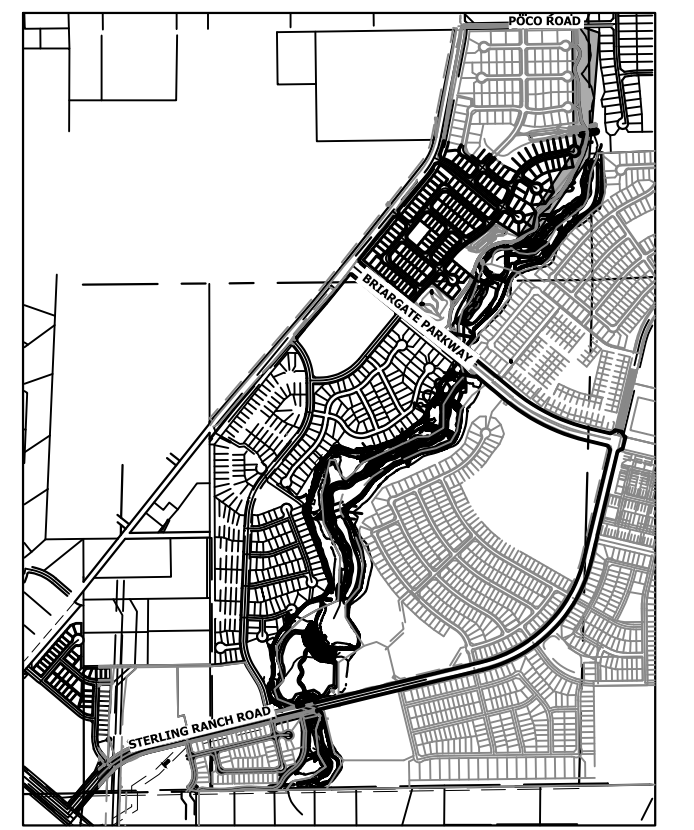
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

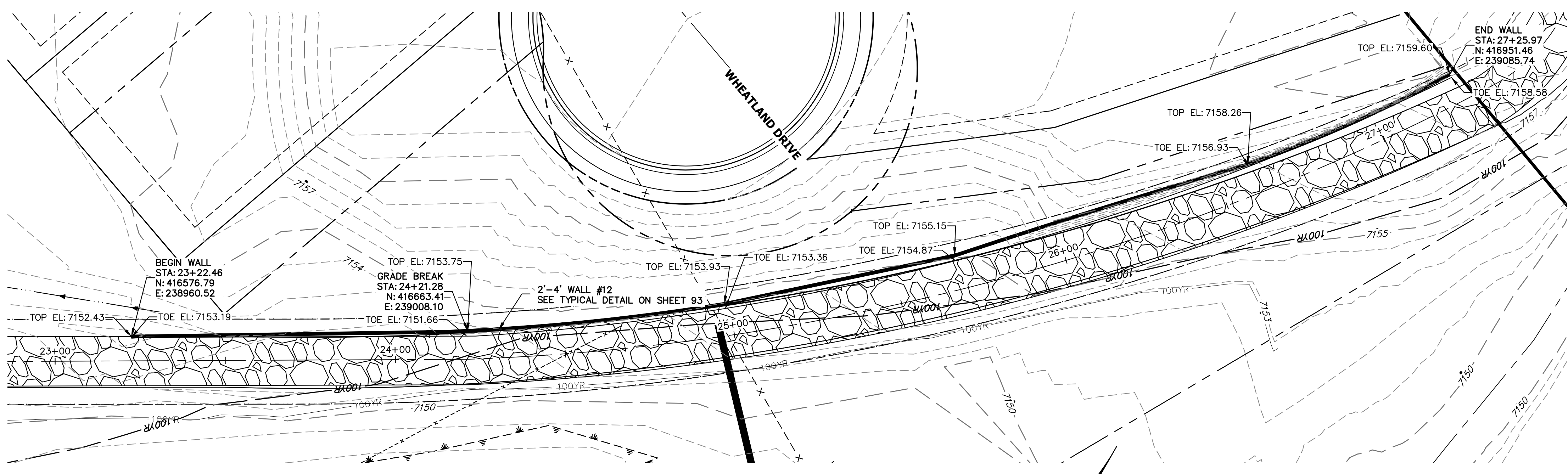
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.	PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024
	BY	DATE
J.R. ENGINEERING A Westman Company Central 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	No.	REVISION
	H-SCALE	1"=20'
SAND CREEK RESTORATION MAINTENANCE ACCESS PLAN & PROFILE	V-SCALE	N/A
	DATE	4/18/23
DESIGNED BY	NEO	CHECKED BY
DRAWN BY	NEO	
SHEET	94	OF 121
JOB NO.	25188.04	



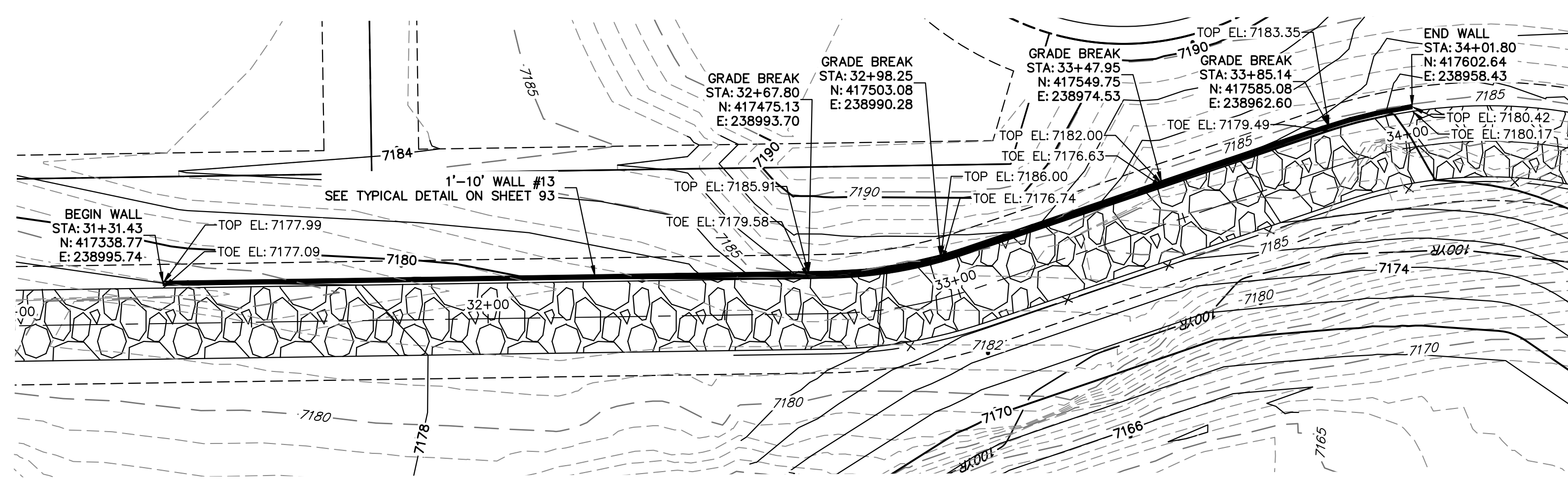
MAINTENANCE TRAIL WALL #11



KEY MAP
SCALE: 1"=2000'



MAINTENANCE TRAIL WALL #12

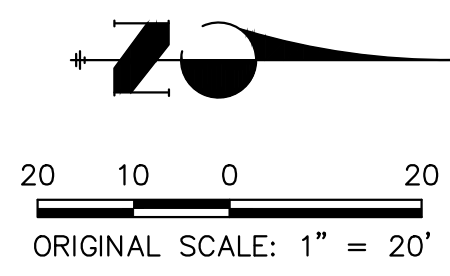


MAINTENANCE TRAIL WALL #13

- 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 PANNEE 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

- NOTES:**
- STEEPEST ALLOWABLE GRADE IS 12%.
 - MAINTENANCE ACCESS TRAILS WITH SLOPES GREATER THAN 10% ARTICULATED CONCRETE WILL BE USED.

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.



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

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

32314
4/18/23

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, JR ENGINEERING APPROVES THEIR USE AS DESIGNATED BY WRITTEN AUTHORIZATION.	
	J.R. ENGINEERING A Westman Company Centennial 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	SAND CREEK RESTORATION MAINTENANCE ACCESS PLAN & PROFILE
BY DATE NO. REVISION H-SCALE 1"=20' V-SCALE N/A DATE 4/18/23 DESIGNED BY NEO DRAWN BY NEO CHECKED BY		