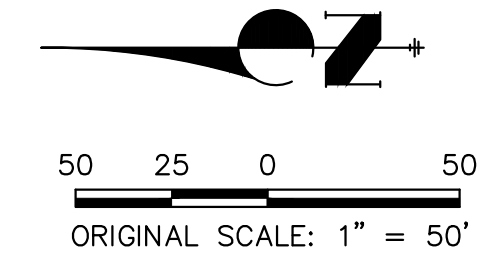
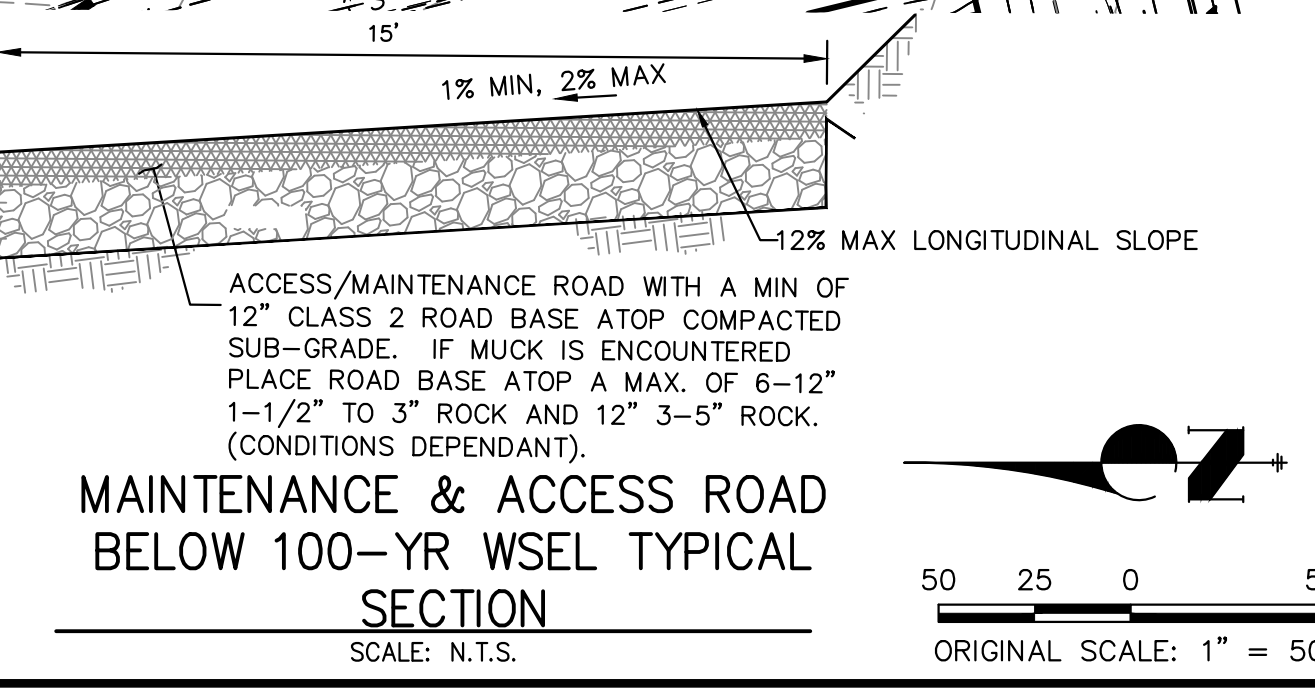
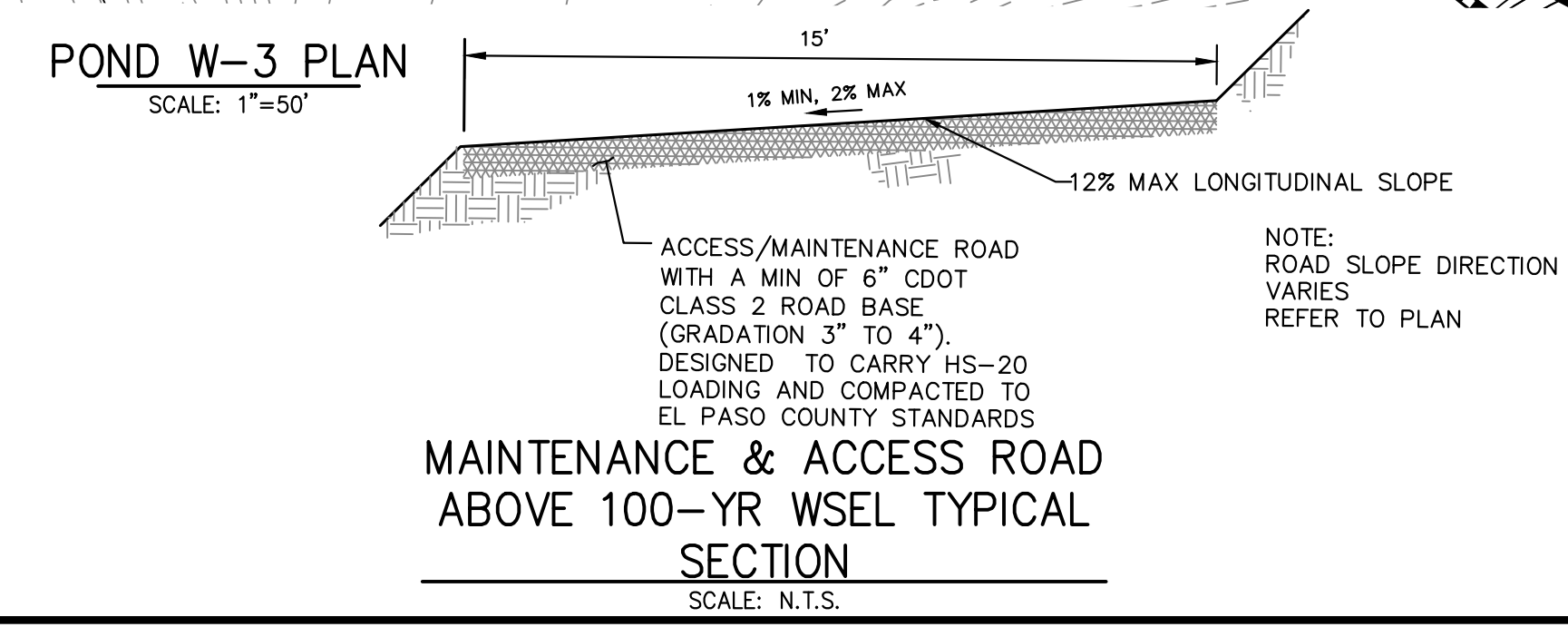
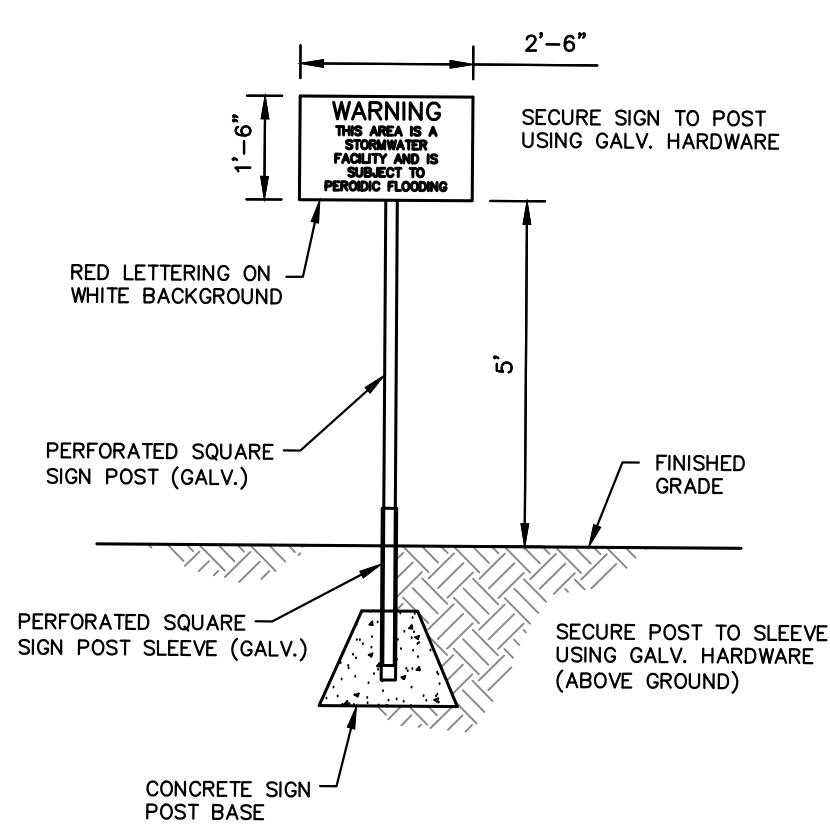


POND W-3	
DRAINAGE AREA (AC)	2729.9
AVERAGE % IMP.	17%
Q _{IN} (CFS)	578.95
Q _{OUT} (CFS)	2160.40
WSEL (FT)	7004.72
DEPTH (FT)	3.55
VOLUME (AC-FT)	6.75
SURFACE AREA (AC)	5.46



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
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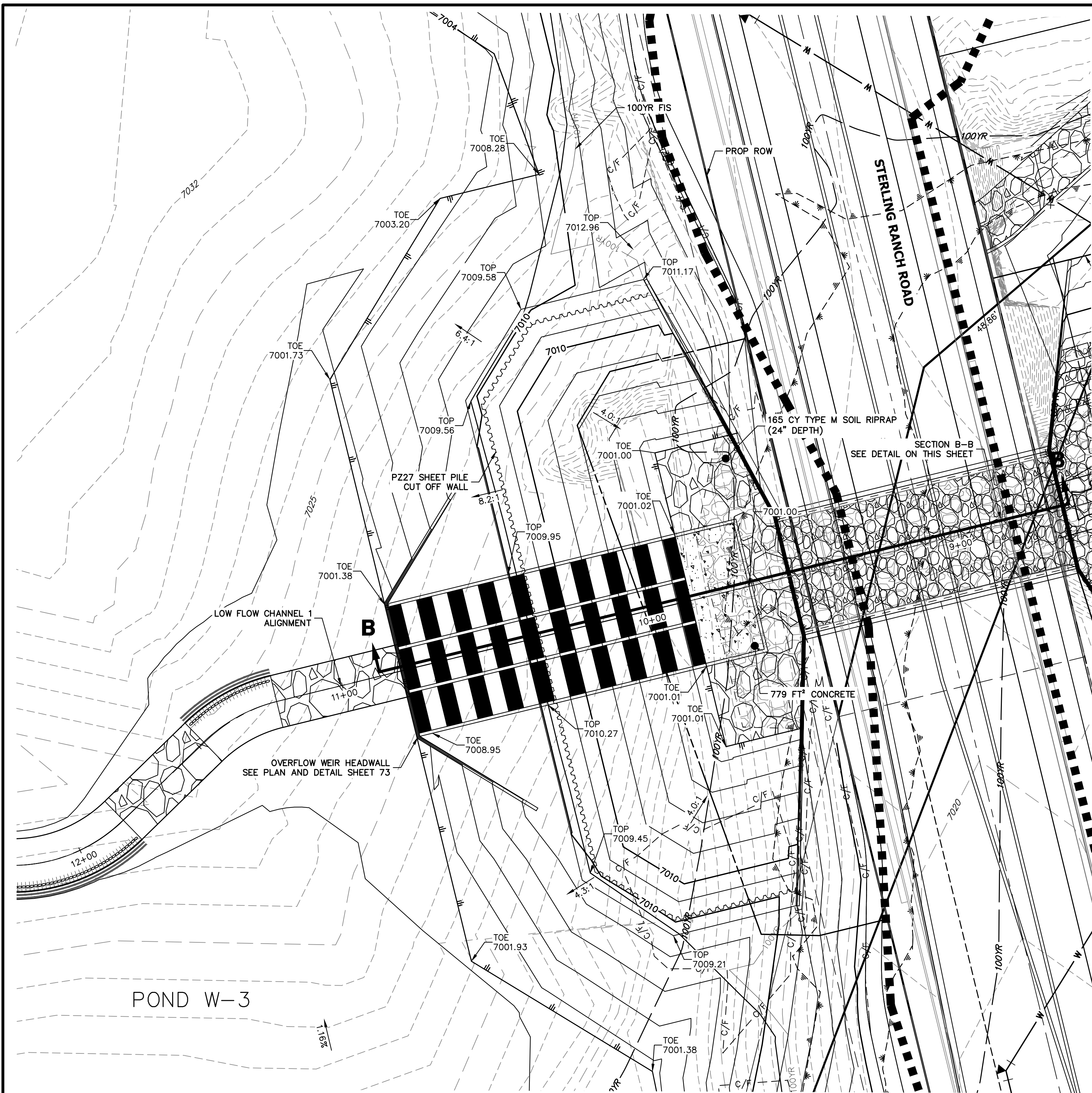
BY DATE

No. REVISION

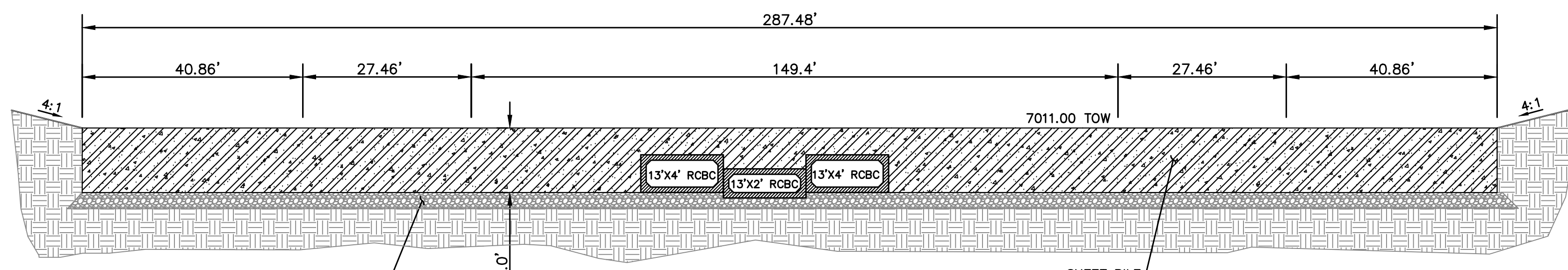
H-SCALE 1"=50'
V-SCALE N/A
DATE 4/18/23
DESIGNED BY DV
DRAWN BY NEO
CHECKED BY

SAND CREEK RESTORATION
POND PLANS

SHEET 41 OF 121
JOB NO. 25188.04

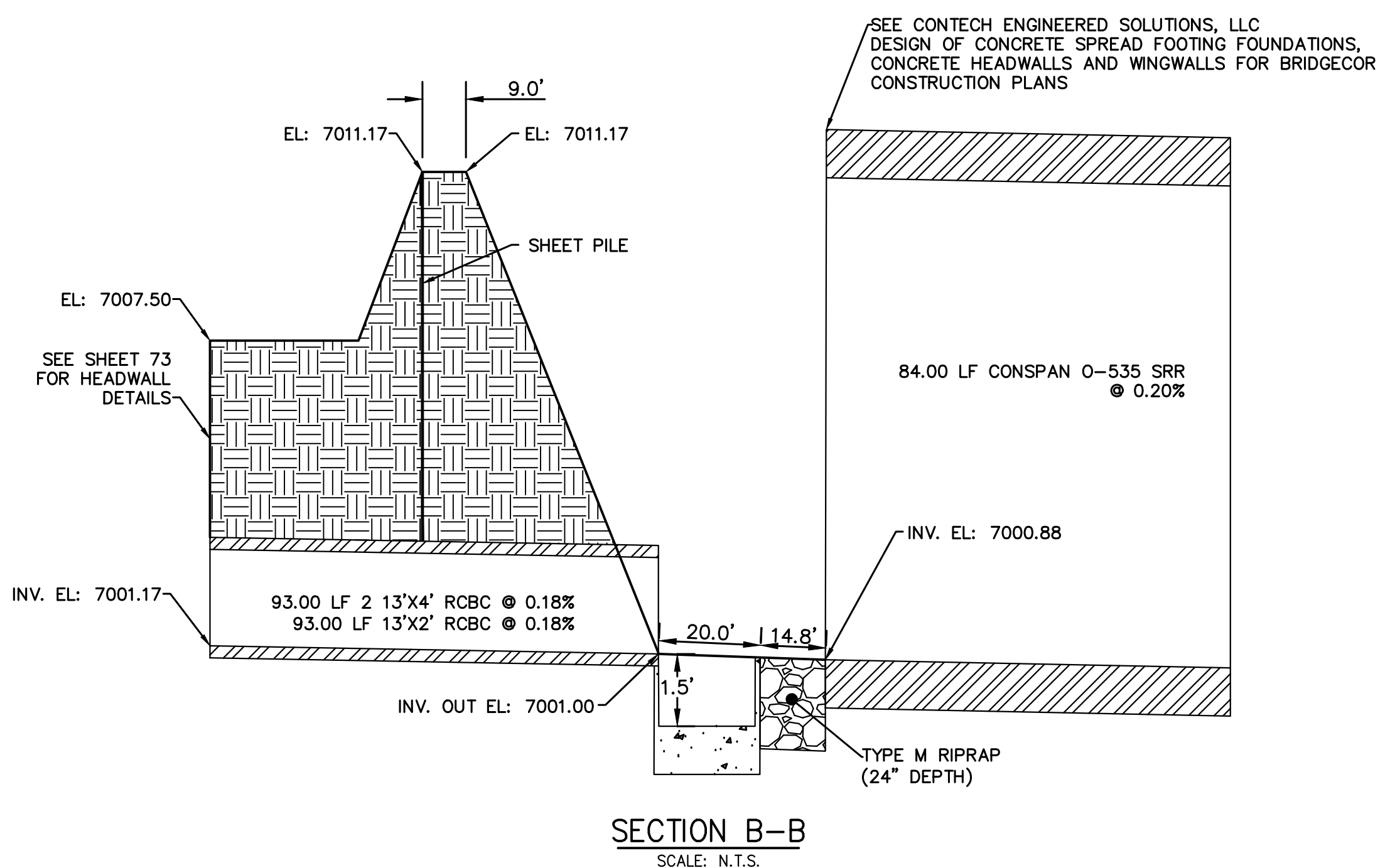


POND W-3 OVERFLOW WEIR
SCALE: 1"=20'

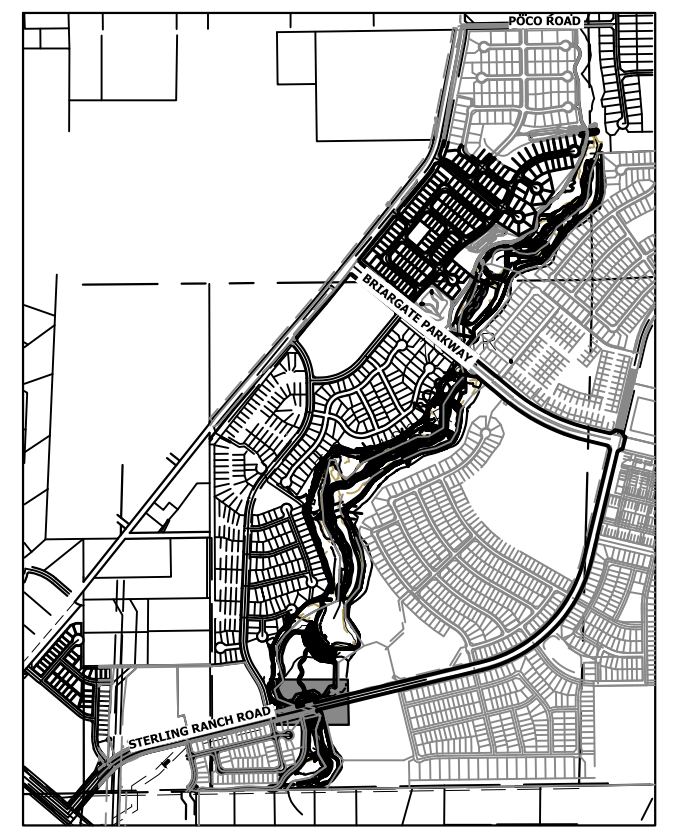
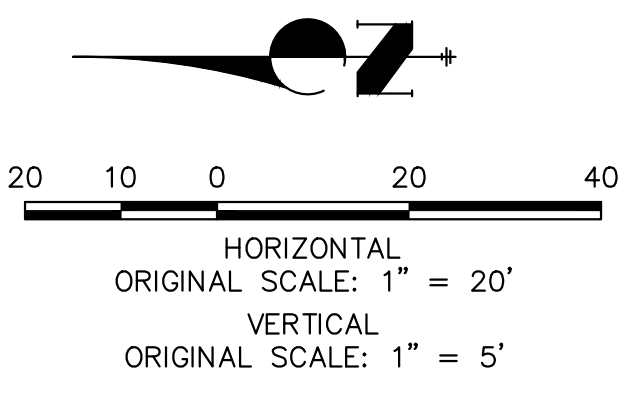


PLACE FLOOR ATOP 6" OF AGGREGATE BASE
BASE COARSE AND COMPACTED SUBGRADE. IF
MUCK IS ENCOUNTERED, USE MAX. OF 1-1/2"
TO 3" ROCK ATOP 12" OF 3"-5" ROCK
(DEPENDANT UPON FIELD CONDITIONS)

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, 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

SAND CREEK RESTORATION

POND PLANS

SHEET 42 OF 121

JOB NO. 25188.04



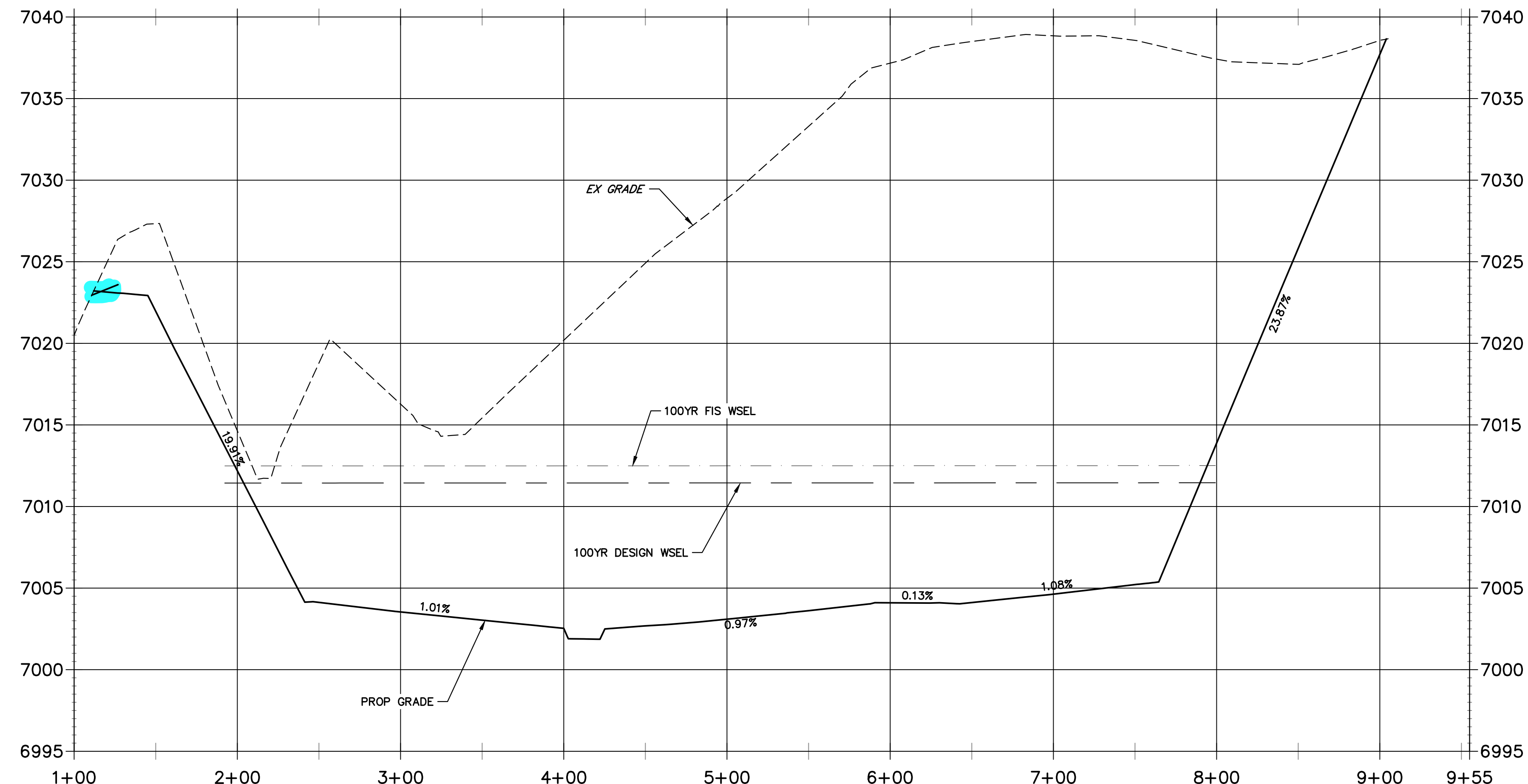
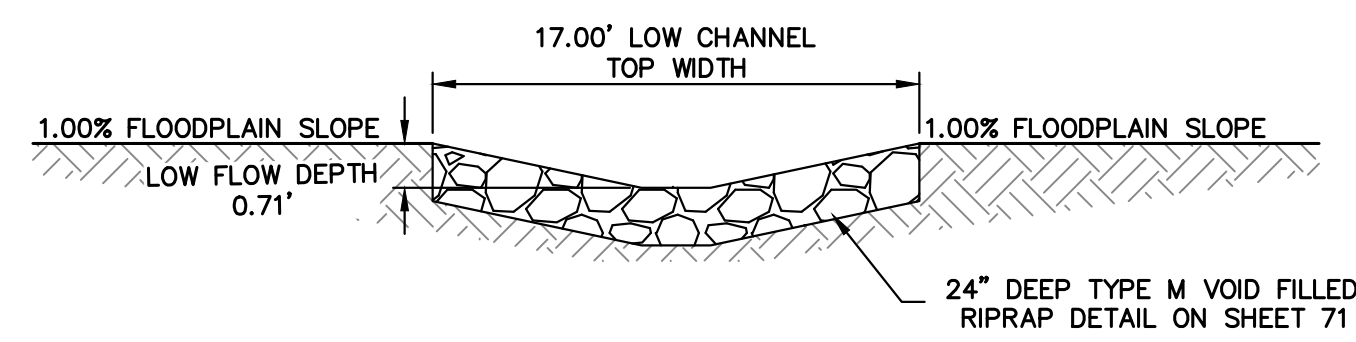
Know what's below.
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ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

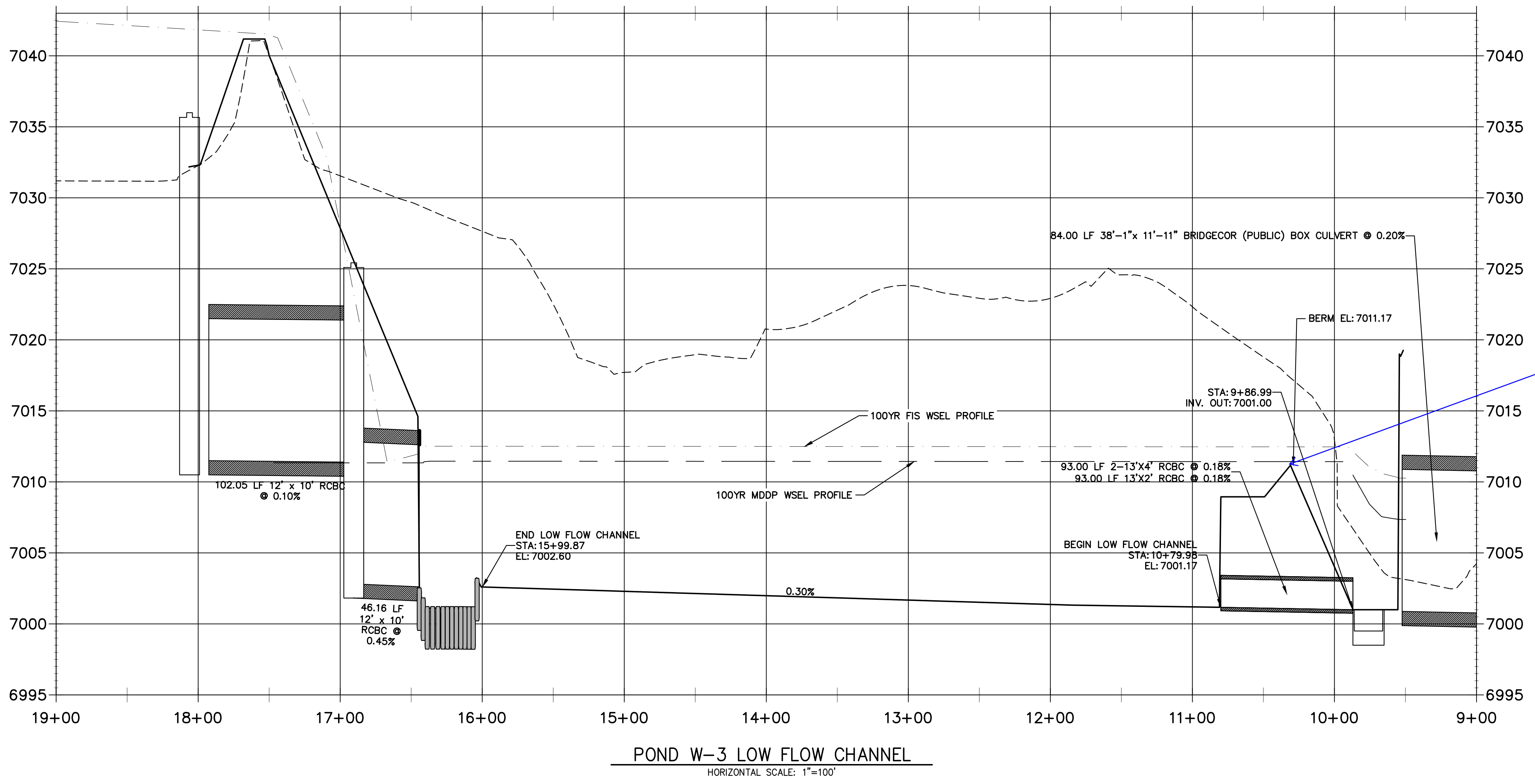
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23

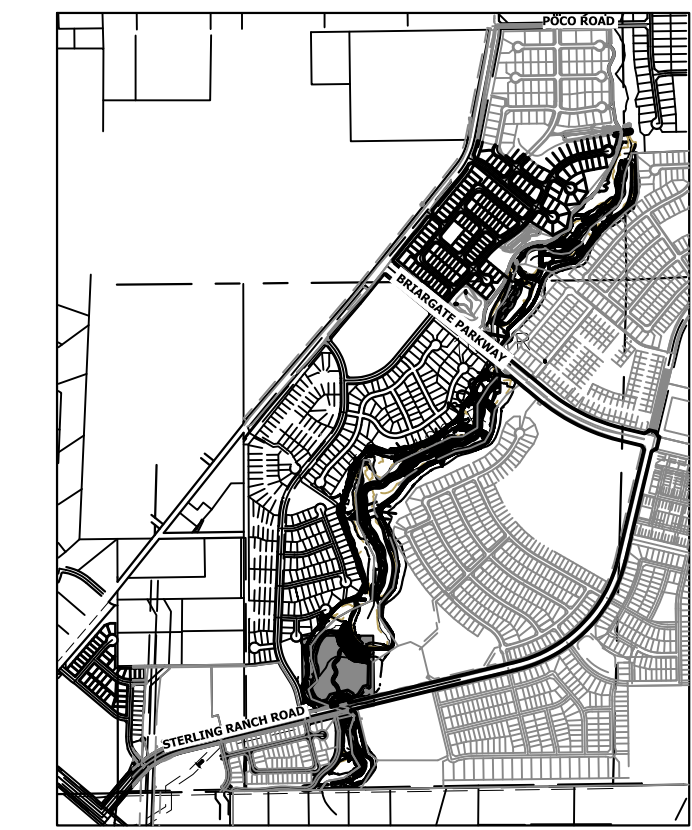
**CROSS SECTION A-A
STA 1+00.00 TO 9+55.00**



**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'

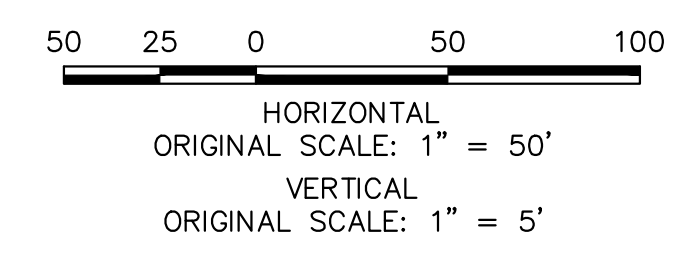
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PREPARED FOR
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2ND FLOOR
COLORADO SPRINGS, CO 80903
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BY	DATE	No.	REVISION

Why is this pointed now?



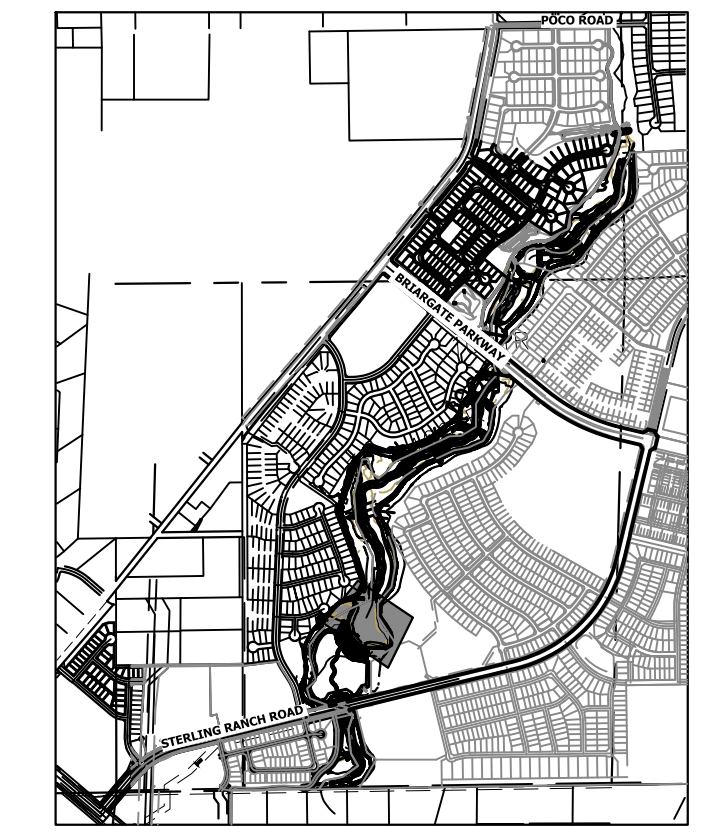
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

32314
4/18/23

GRADING NOTES:

1. ALL PROPOSED CONTOURS ARE TO FINISHED GRADE.
2. 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.
3. 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.
4. 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.
5. TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE EURLV 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.



KEY MAP
SCALE: 1"=2000'

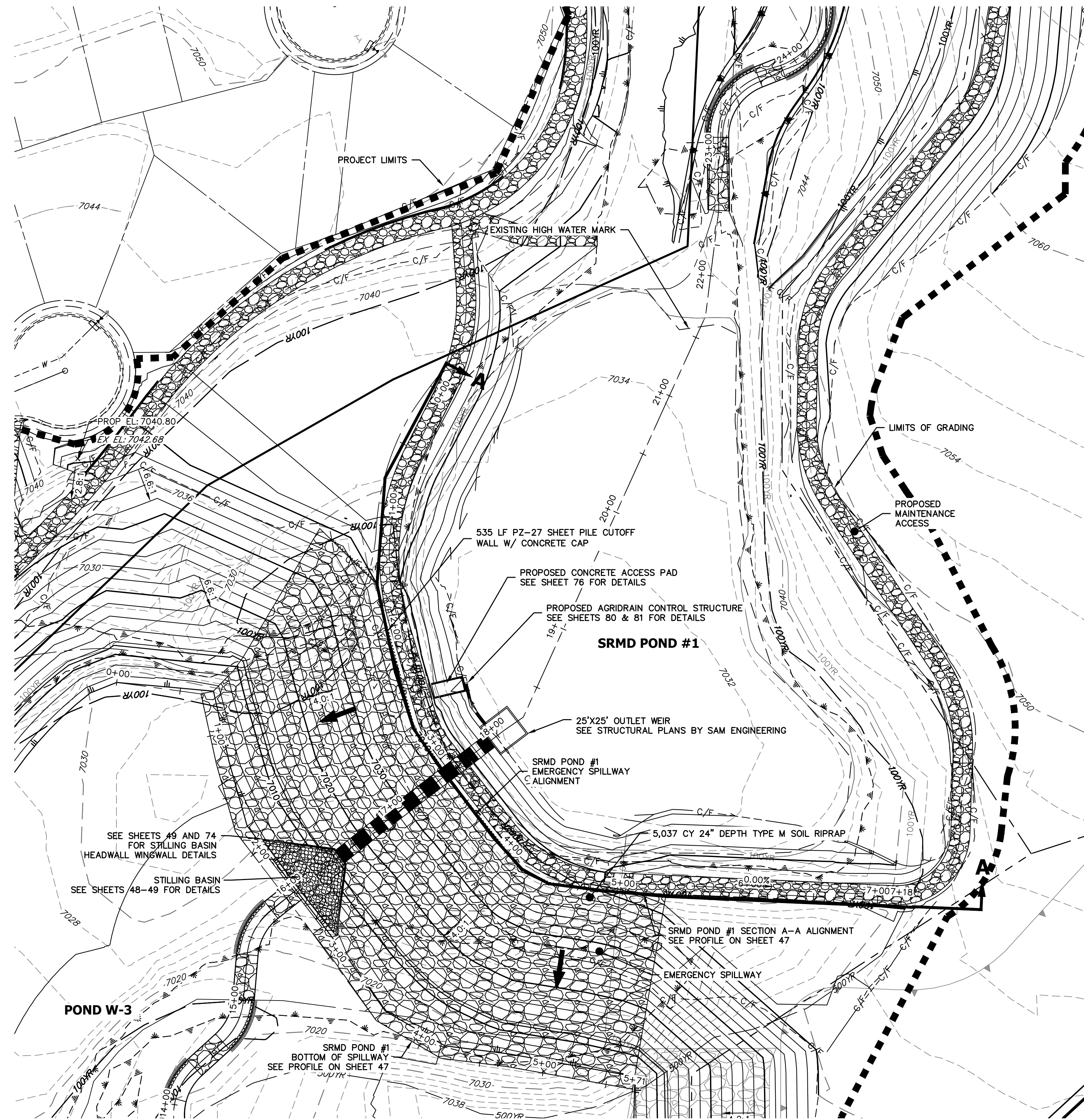
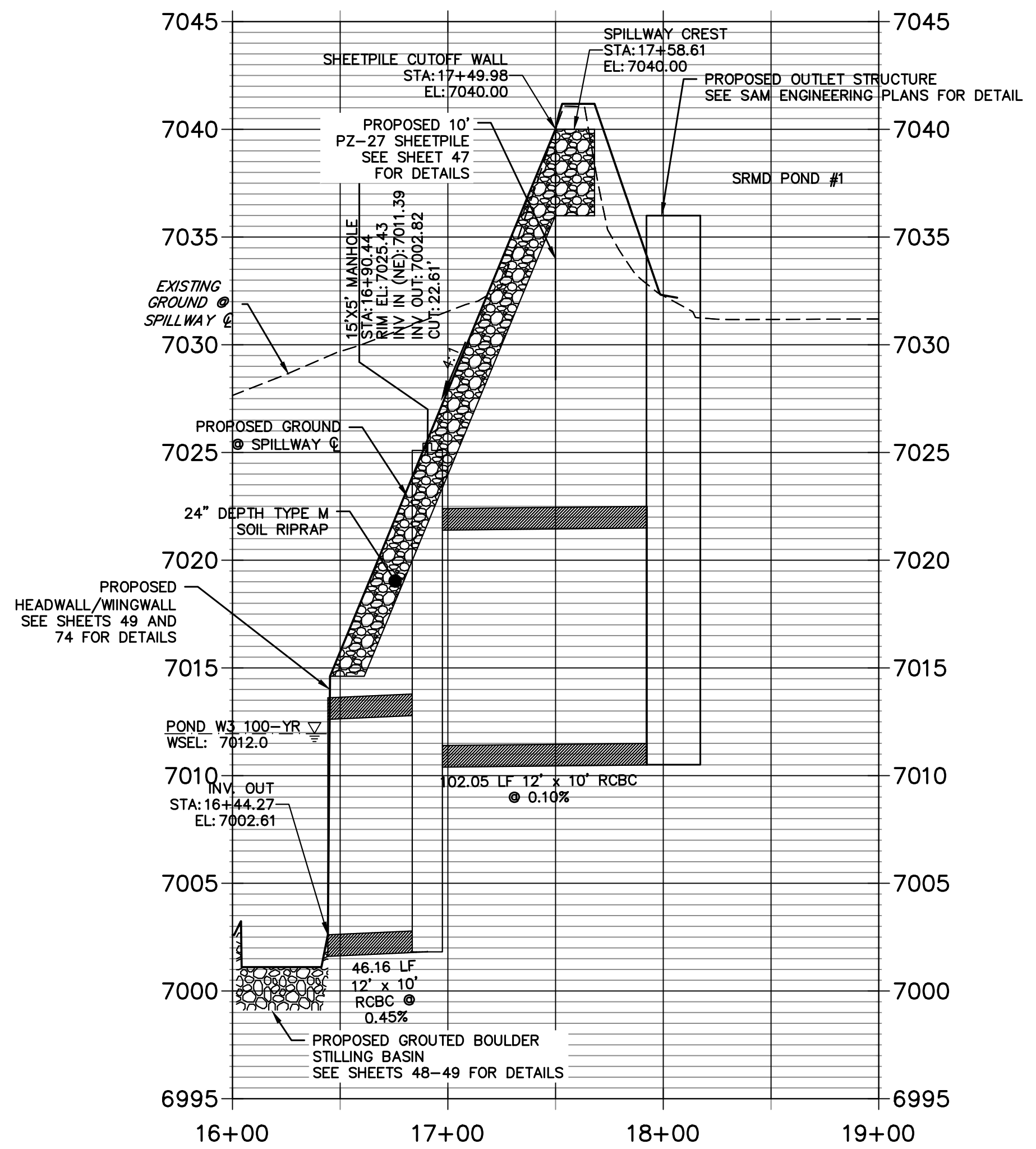
PREPARED FOR

SR LAND, LLC
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COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024



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

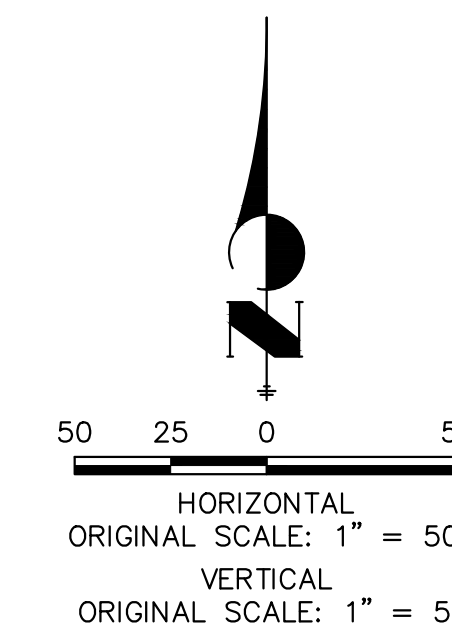


EXISTING SRMD POND #1 EMERGENCY SPILLWAY
SCALE: 1"=50'

SRMD POND #1		
DRAINAGE AREA (AC)	2313.1	
AVERAGE % IMP.	9%	
	5-YR	100-YR
Q ₅ (CFS)	511.84	1977.60
Q ₁₀₀ (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



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ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
32314
4/18/23

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

BY DATE

No. REVISION

H-SCALE 1"=50'

V-SCALE 1"=5'

DATE 4/18/23

DESIGNED BY DJV

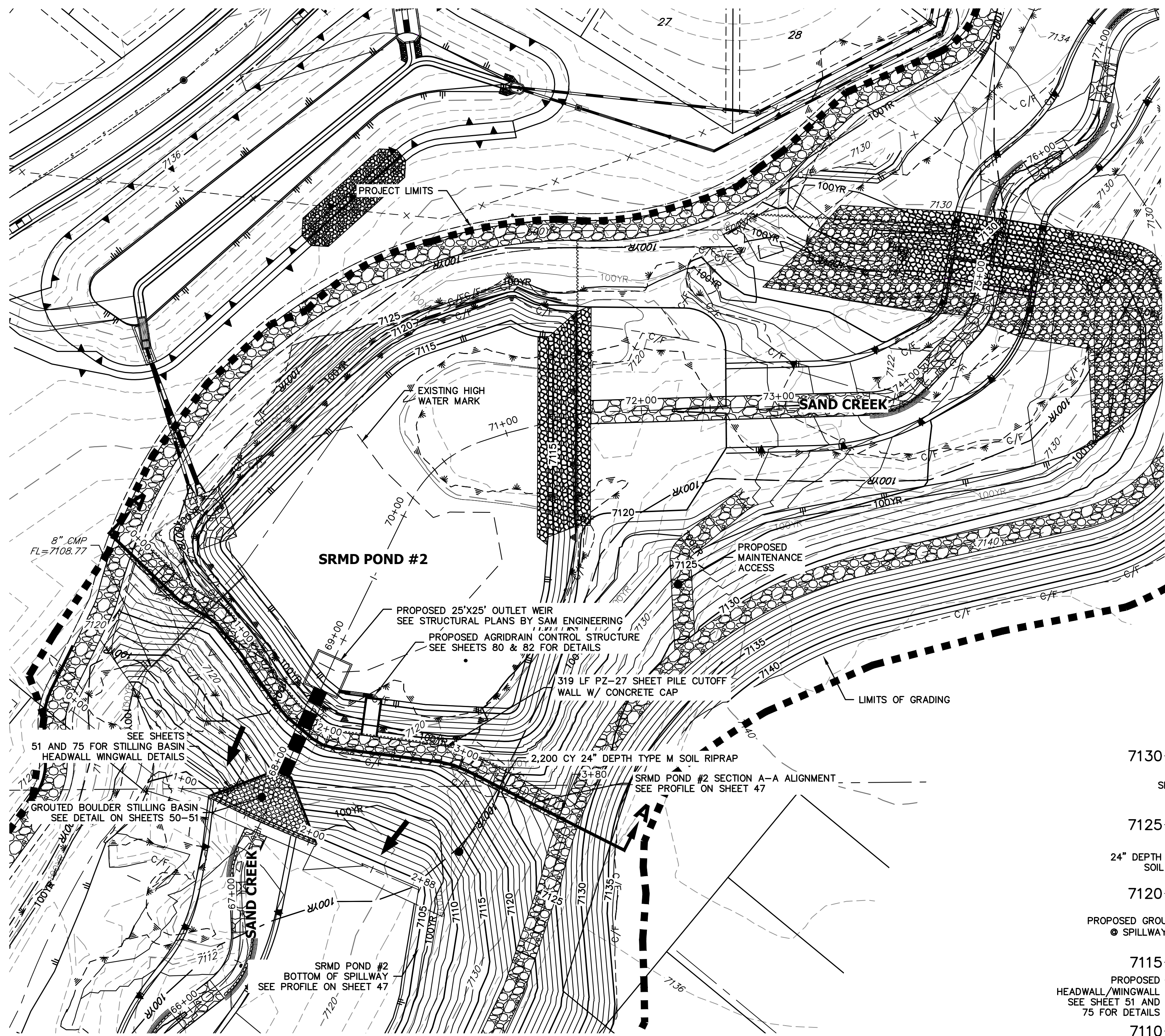
DRAWN BY DJV

CHECKED BY

SAND CREEK RESTORATION
POND PLANS

SHEET 45 OF 26

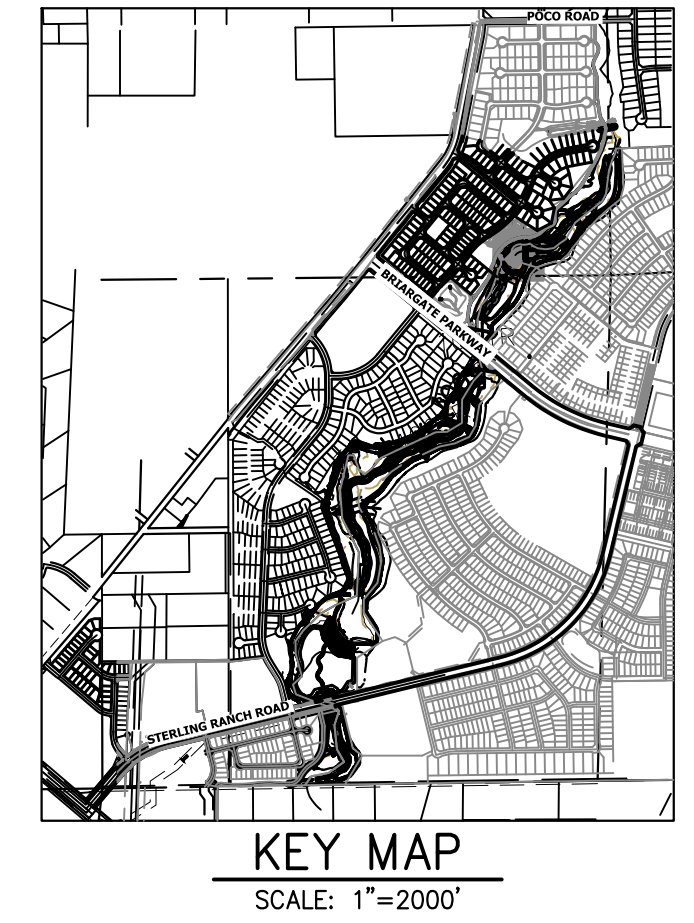
JOB NO. 25188.04



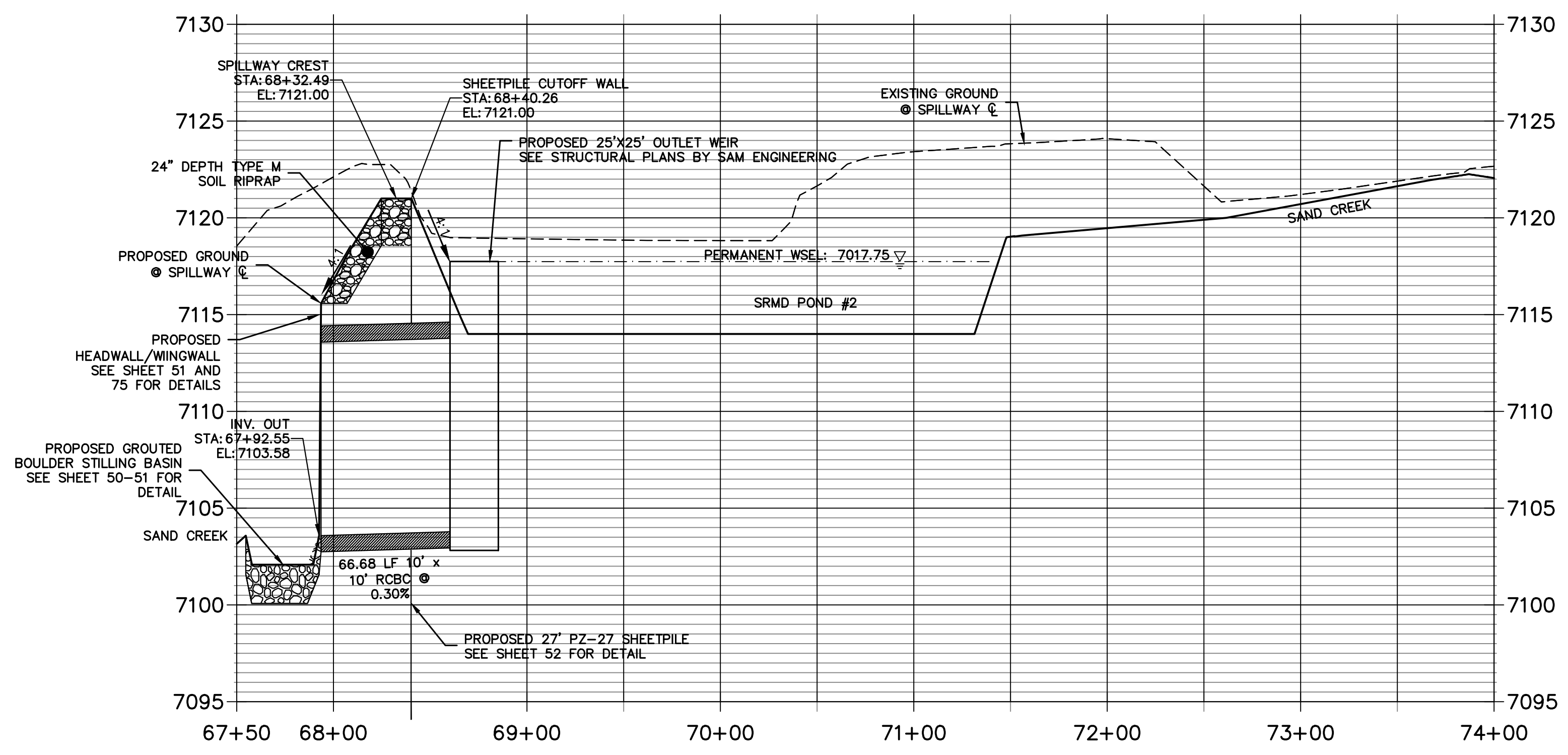
GRADING NOTES:

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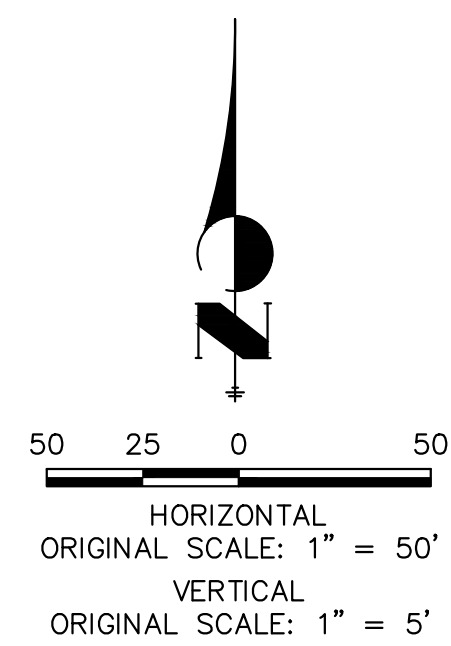
SRMD POND #2	
DRAINAGE AREA (AC)	2003.2
AVERAGE % IMP.	8%
Q ₅ (CFS)	477.23
Q ₁₀₀ (CFS)	476.24
STATIC WSEL (FT)	7117.75
MAX WSEL (FT)	7019.27
DEPTH (FT)	5.08
VOLUME (AC-FT)	6.26
SURFACE AREA (AC)	1.35



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



Know what's below.
Call before you dig.

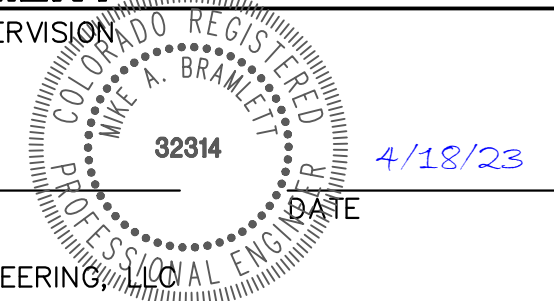


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett

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



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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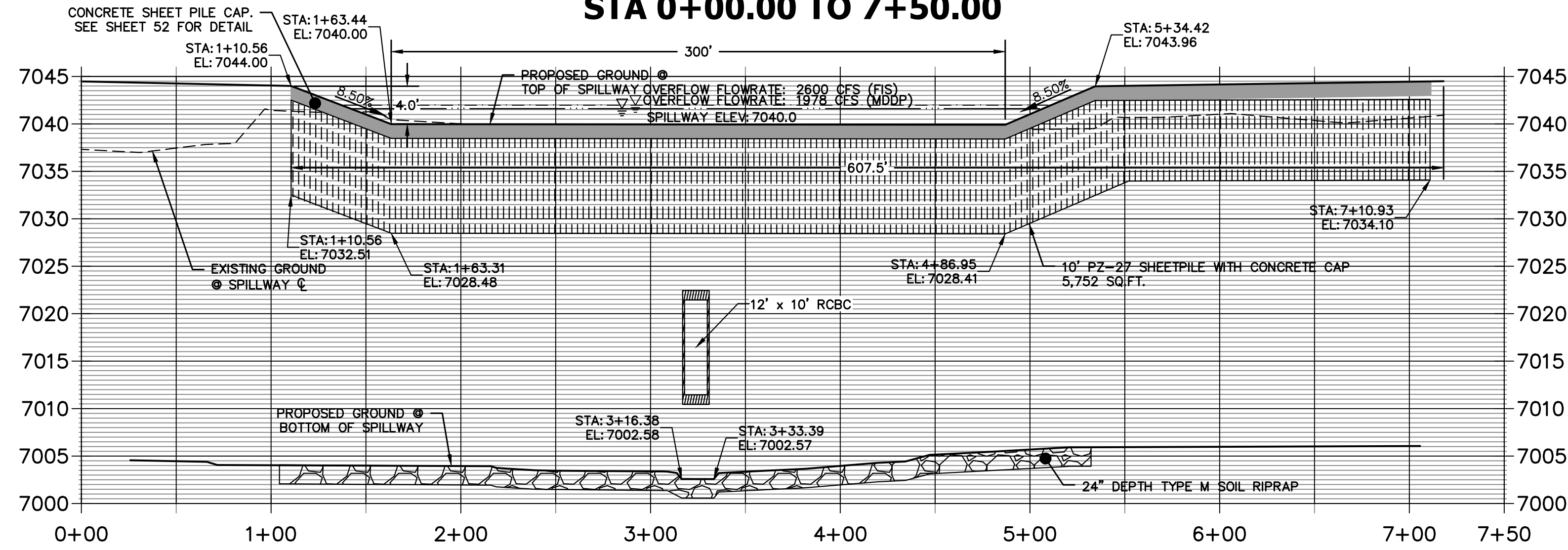
H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	REVISION	
						No.	DATE
1"=50'	1"=5'	4/18/23	DJV	DJV			

SAND CREEK RESTORATION
POND PLANS

SHEET 46 OF 26

JOB NO. 25188.04

**SRMD POND #1 SECTION A-A PROFILE
STA 0+00.00 TO 7+50.00**

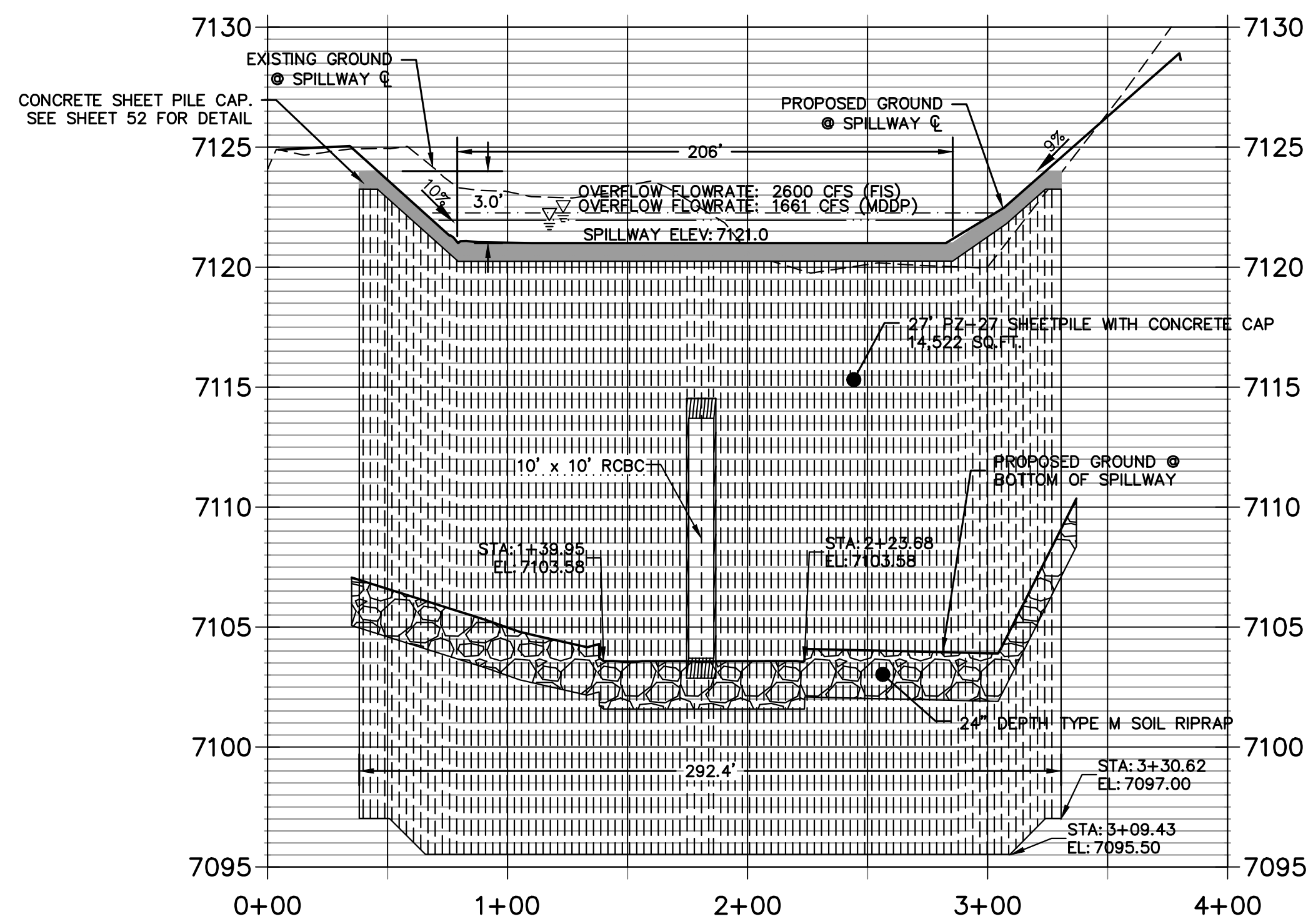


SRMD POND #1 SECTION A-A PROFILE

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

Is there a riffle drop detail?

**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'

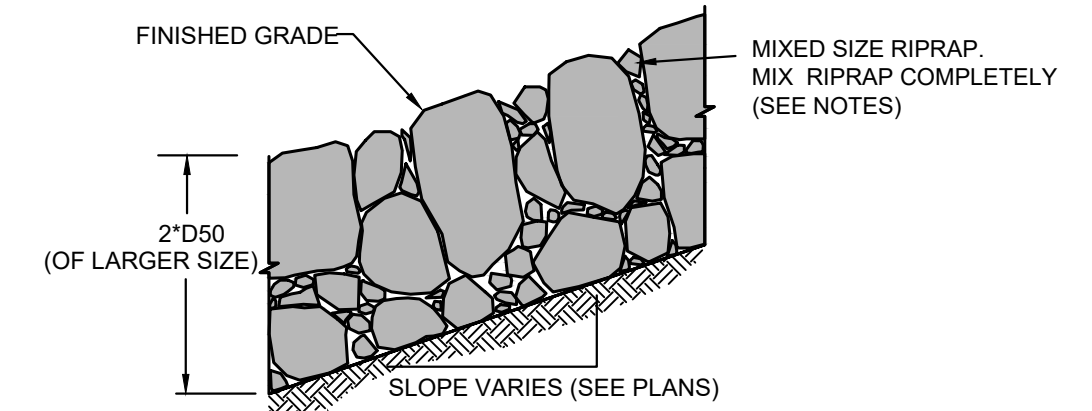
NOTES:

SEE STRUCTURAL PLANS BY SAM ENGINEERING FOR OUTLET STRUCTURE DESIGN.

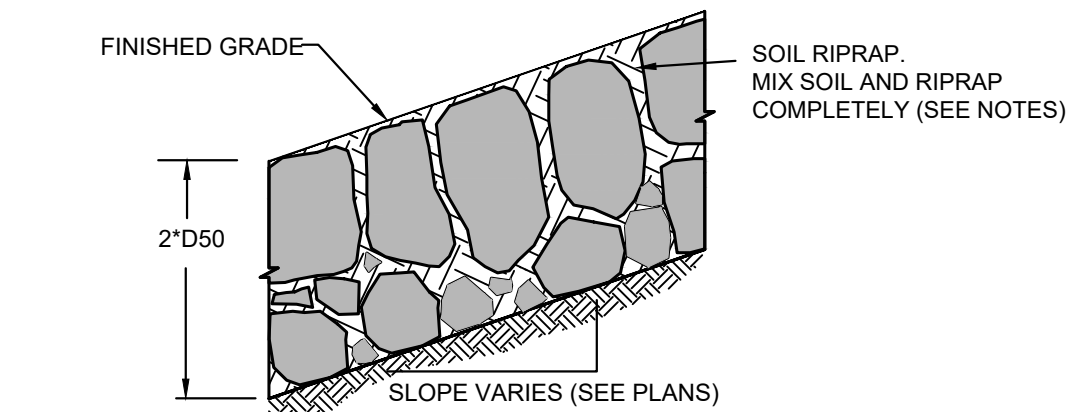
RIPRAP NOTES:

- 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

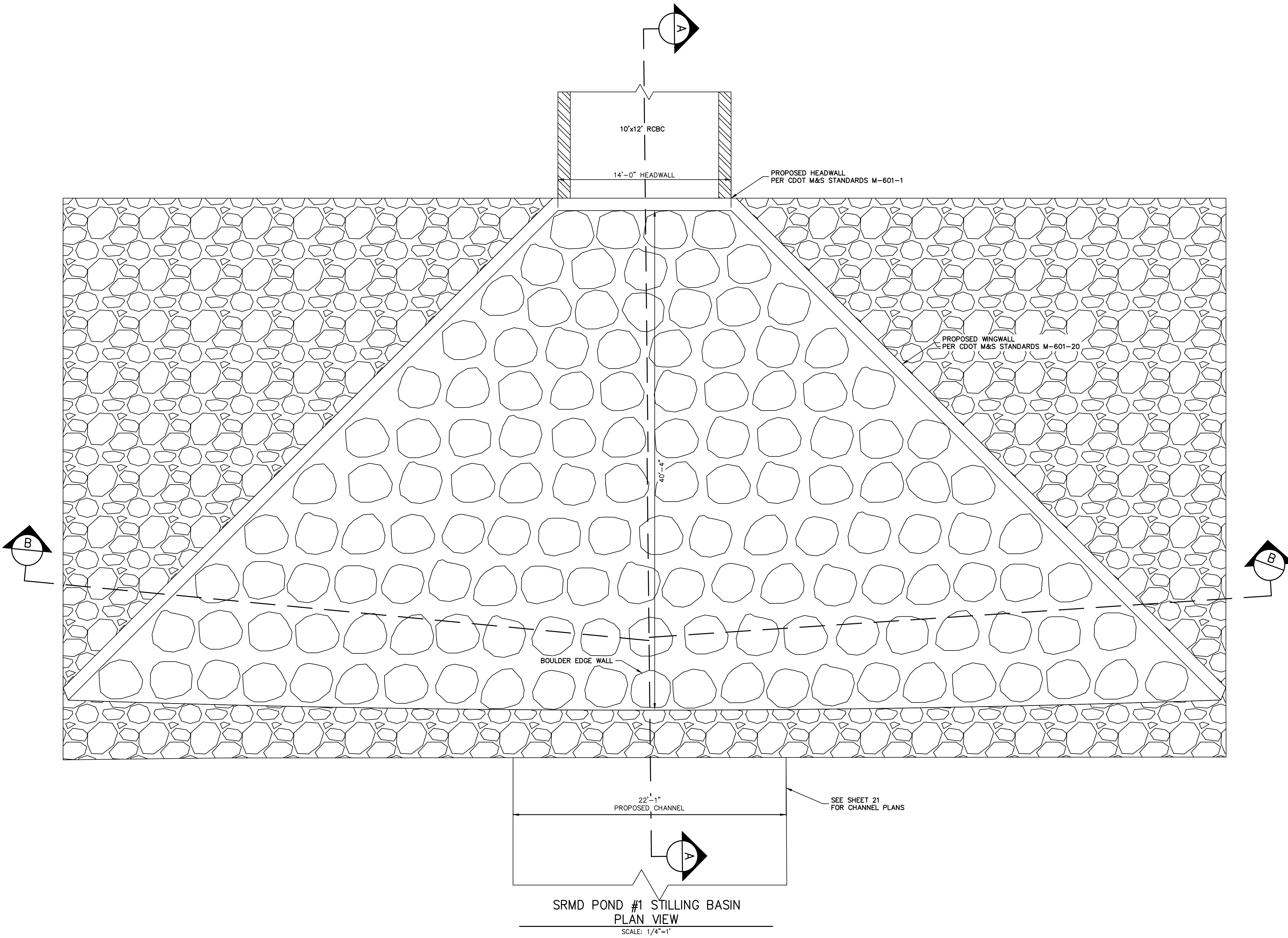
32314
DATE 4/18/23

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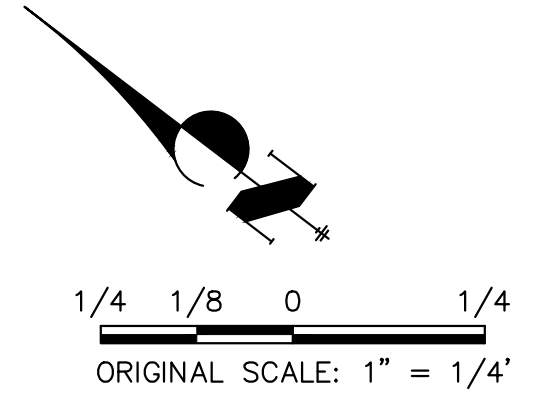
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
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BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	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

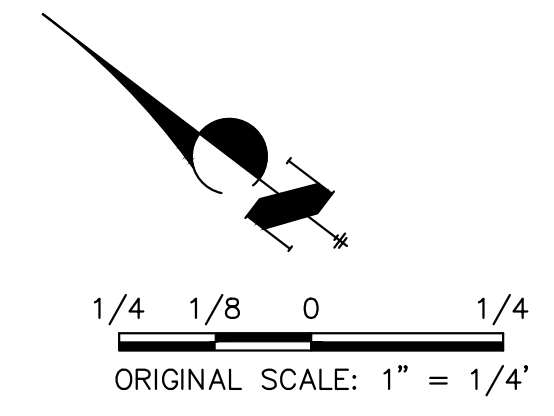
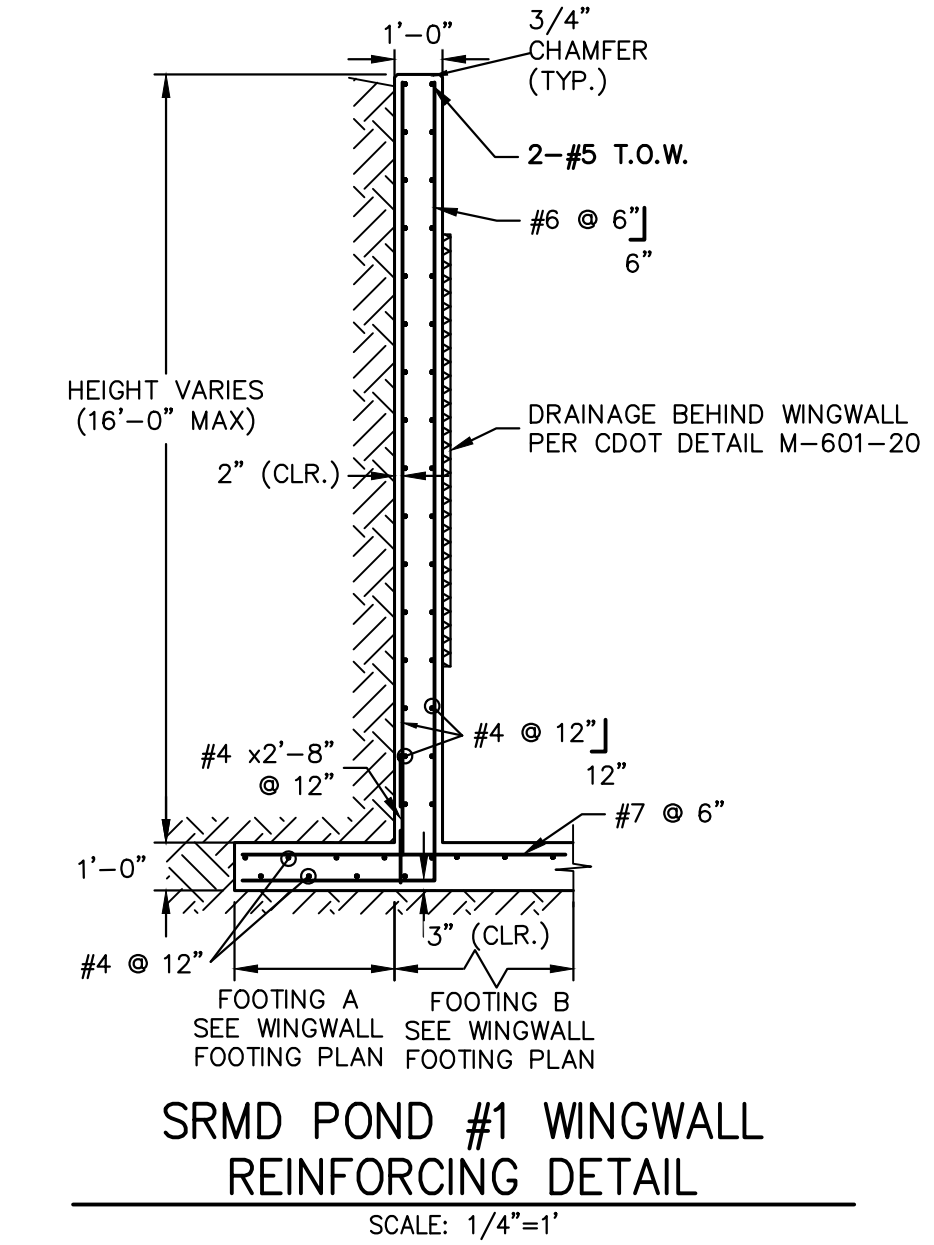
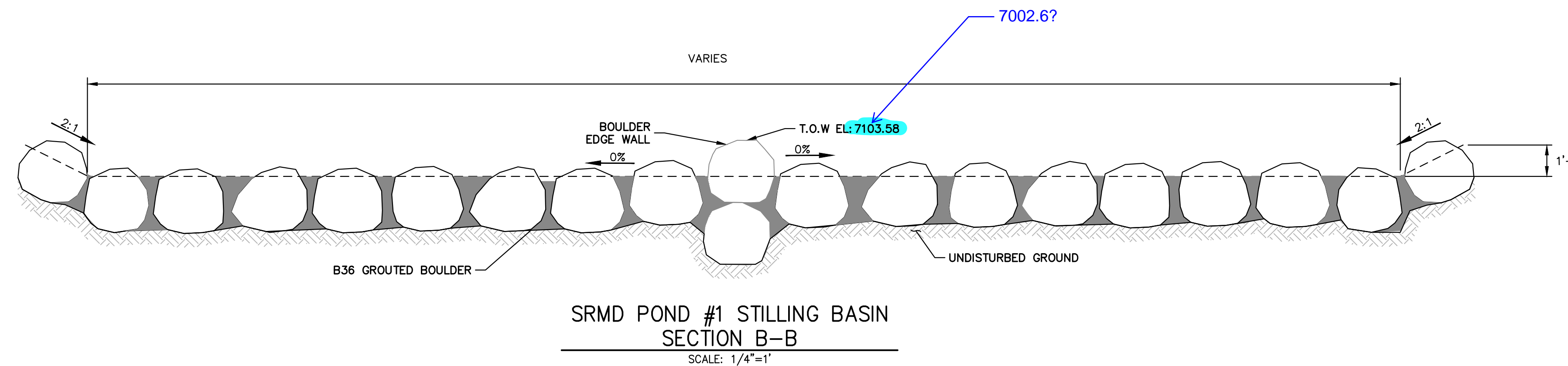
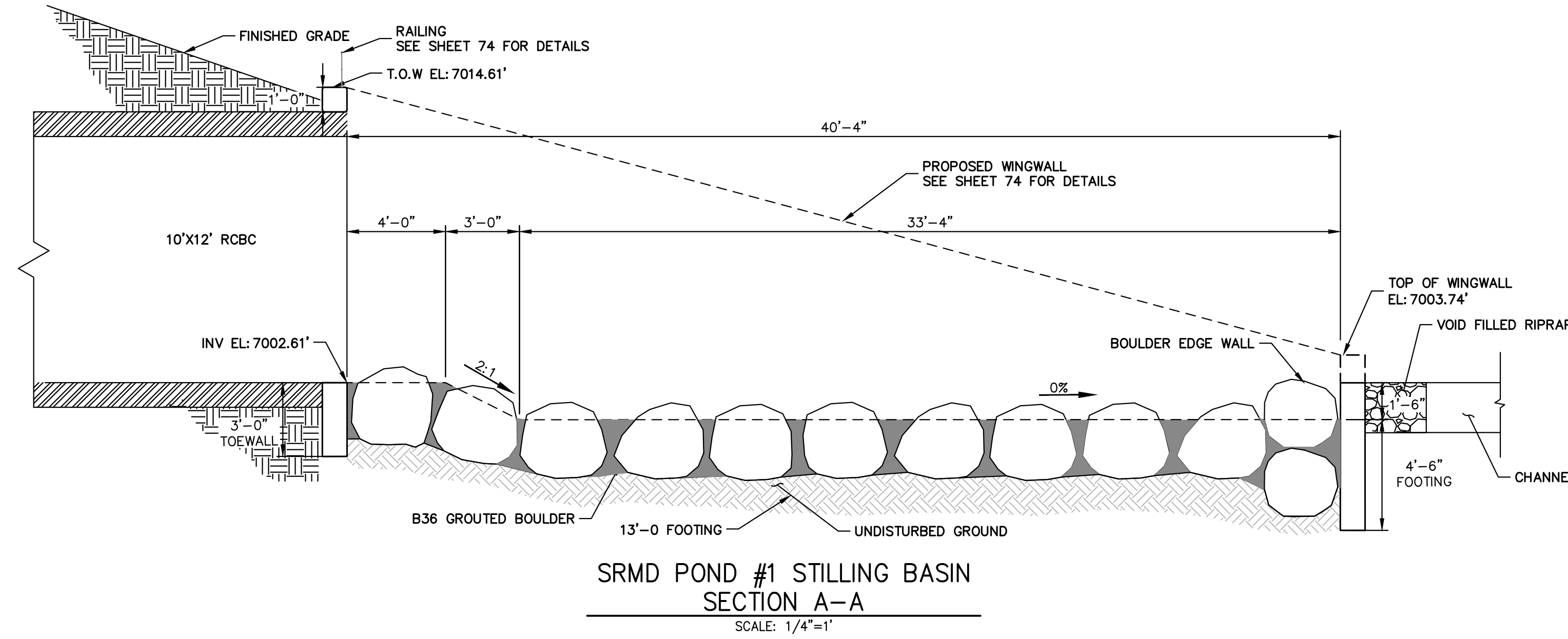
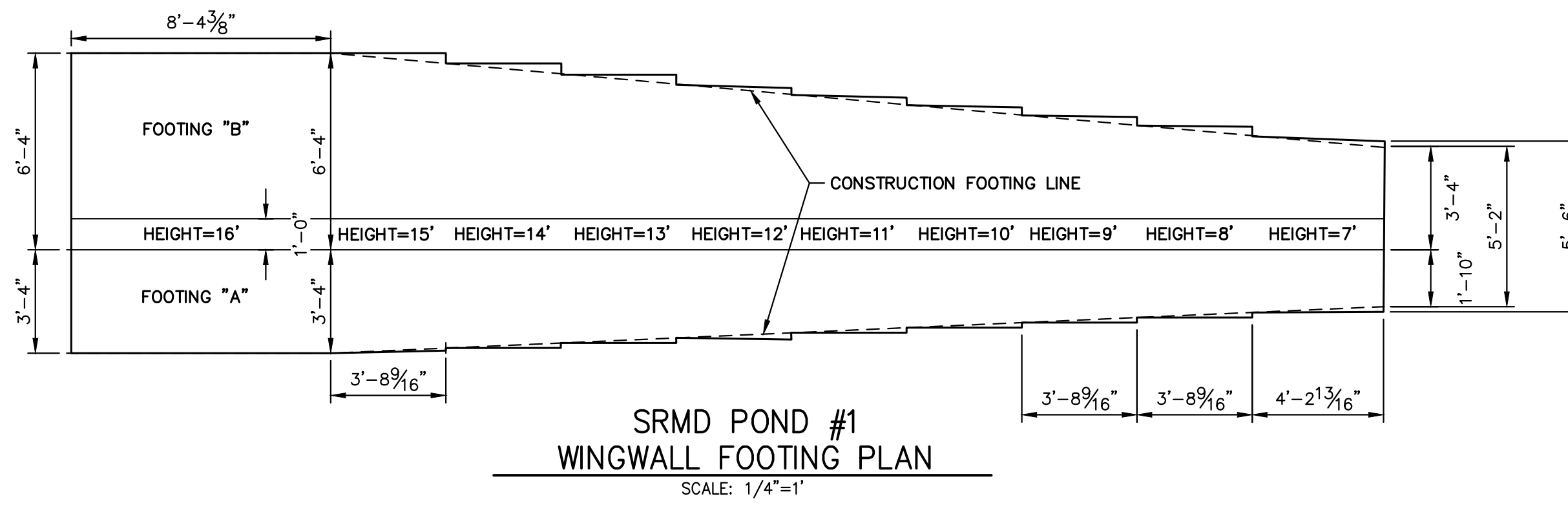
SAND CREEK RESTORATION	POND PLANS	BY	DATE	No.	REVISION
		DESIGNED BY	DATE		
SHEET 48	OF 121	DRAWN BY	DATE	1/4"=1"	1/4"=1"
JOB NO.	25188.04	CHECKED BY	DATE	4/18/23	

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 A Westman Company
 Centennial 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

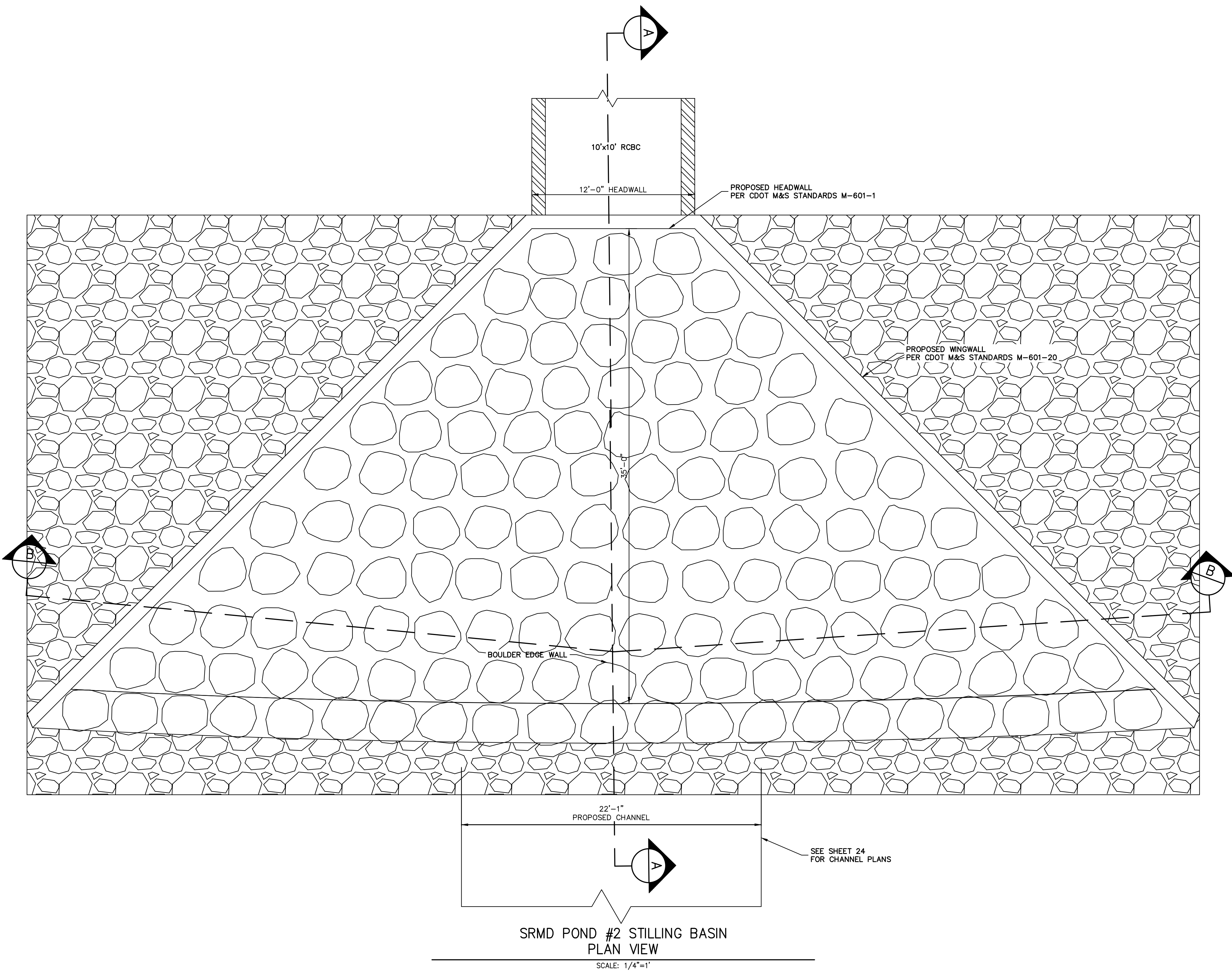
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE AS SHOWN. REVISED DATES DESIGNATED BY WRITTEN AUTHORIZATION.

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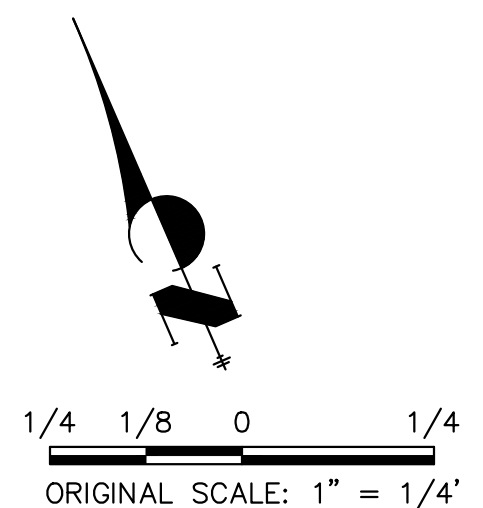
ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION
 Mike Bramlett
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING
 COLORADO REGISTERED PROFESSIONAL ENGINEER
 32314
 4/18/23

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
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

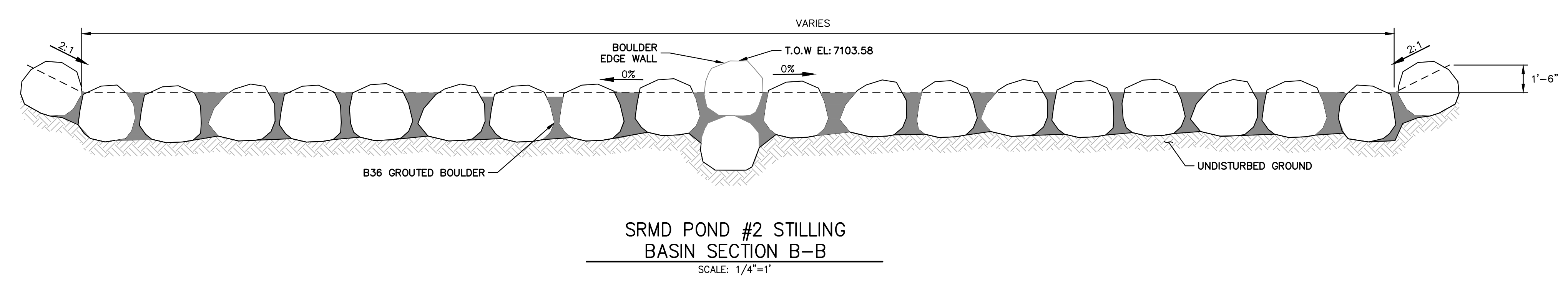
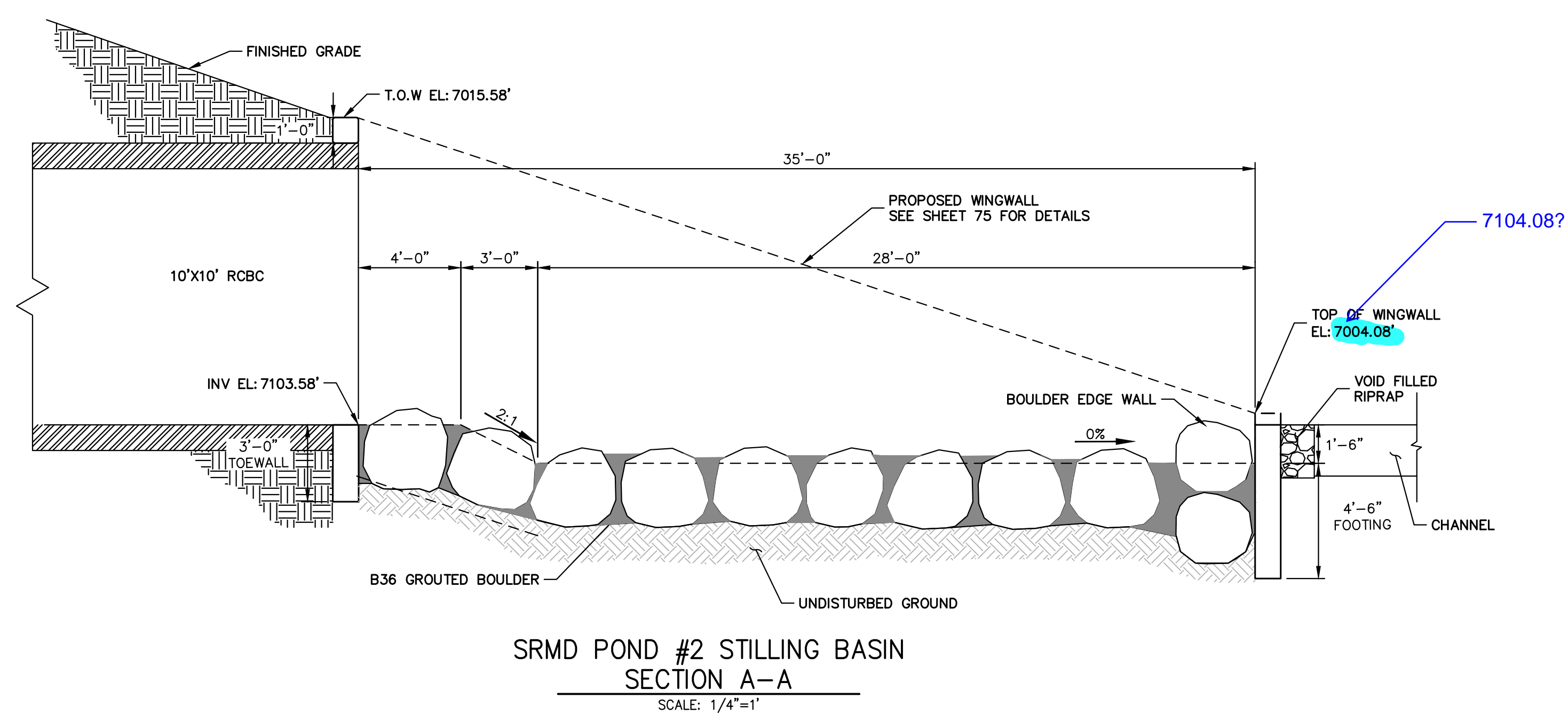
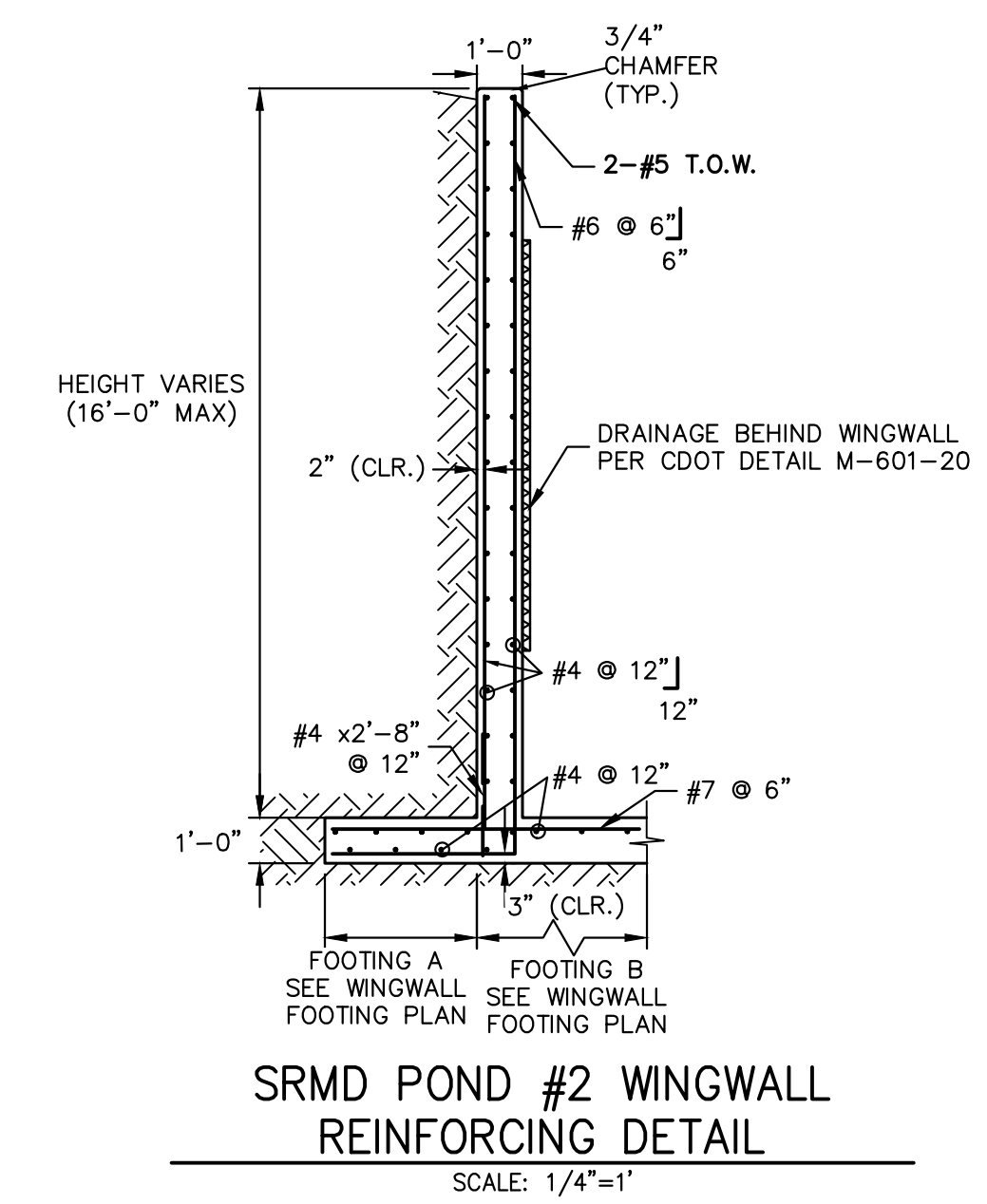
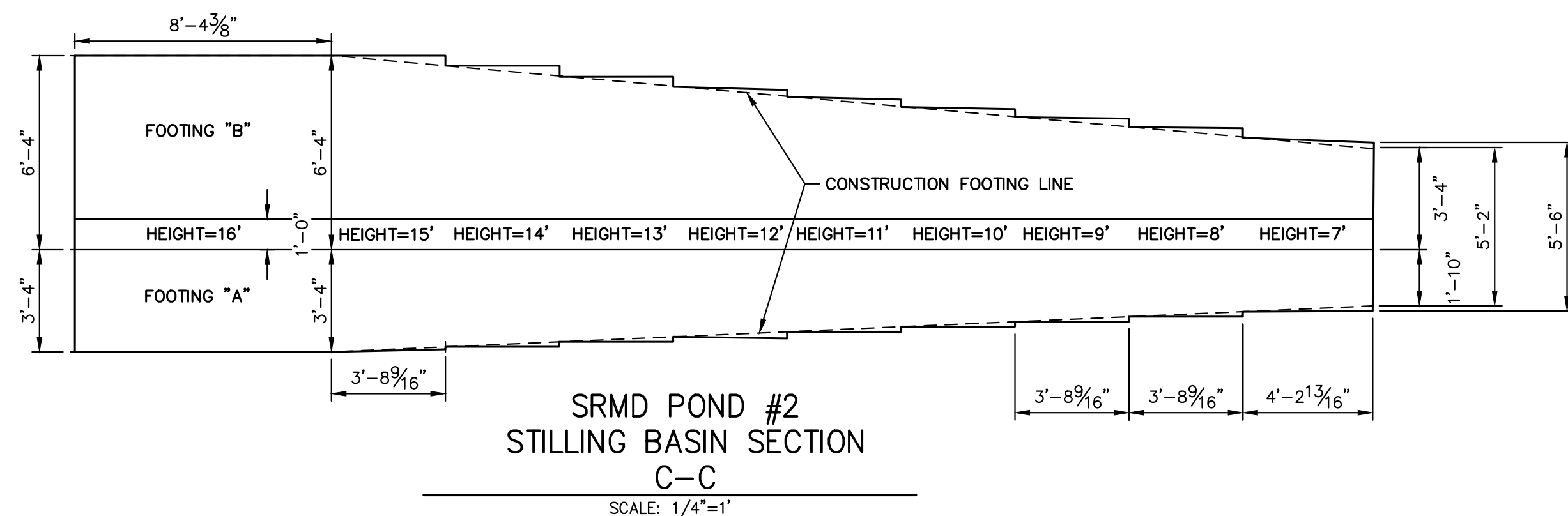
SAND CREEK RESTORATION	POND PLANS	BY	DATE	No.	REVISION	H-SCALE	1/4"=1"
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		DESIGNED BY	DJV	DATE	4/18/23	DRAWN BY	NEO
		CHECKED BY					
		SHEET 50 OF 121		JOB NO. 25188.04			

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

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

X:\25188\04\25188\04\Drawings\Sheet\Drawings\SRMD Pond #2 Stilling Basin Pond 2.dwg, 5/1/2023 9:49:18 PM, V:\augd



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

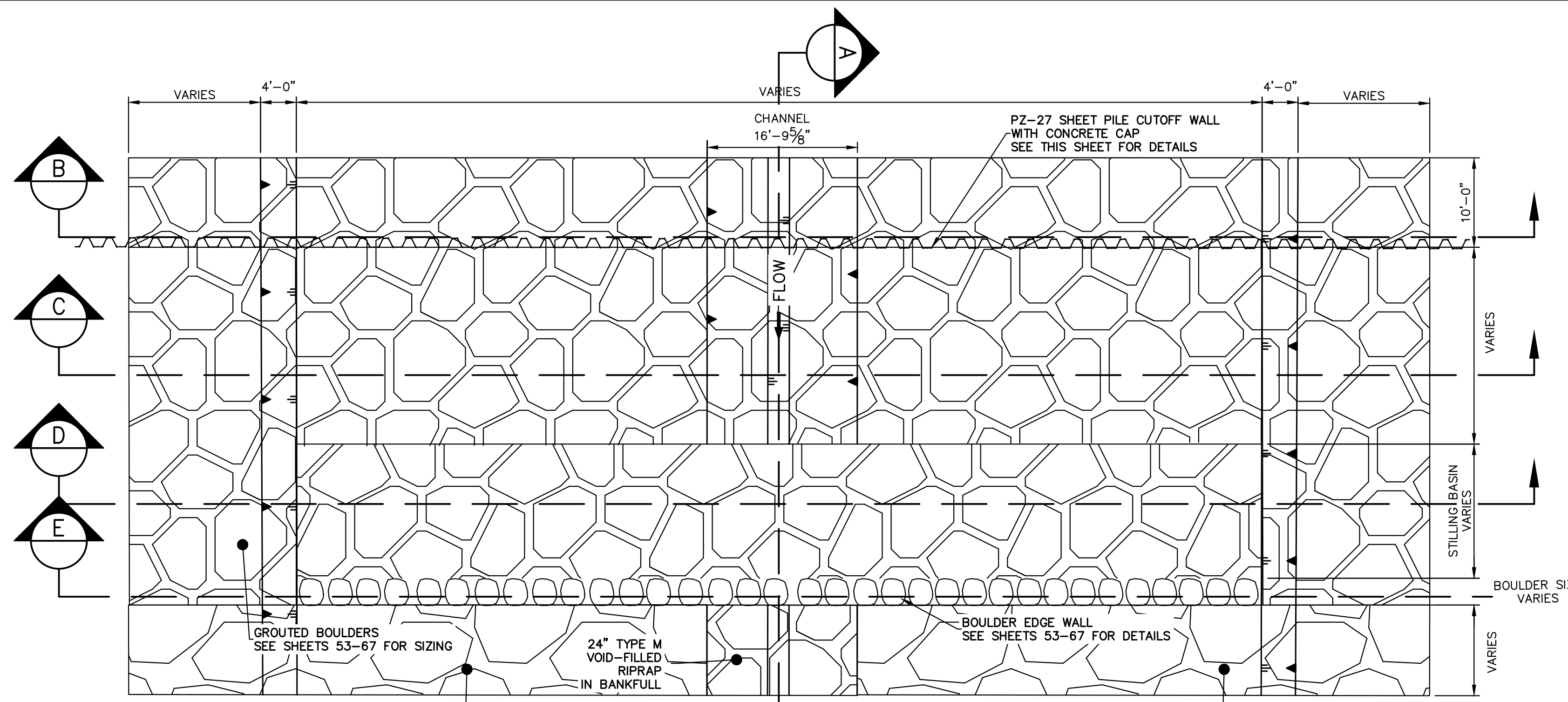
1/4 1/8 0 1/4
ORIGINAL SCALE: 1" = 1/4'

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

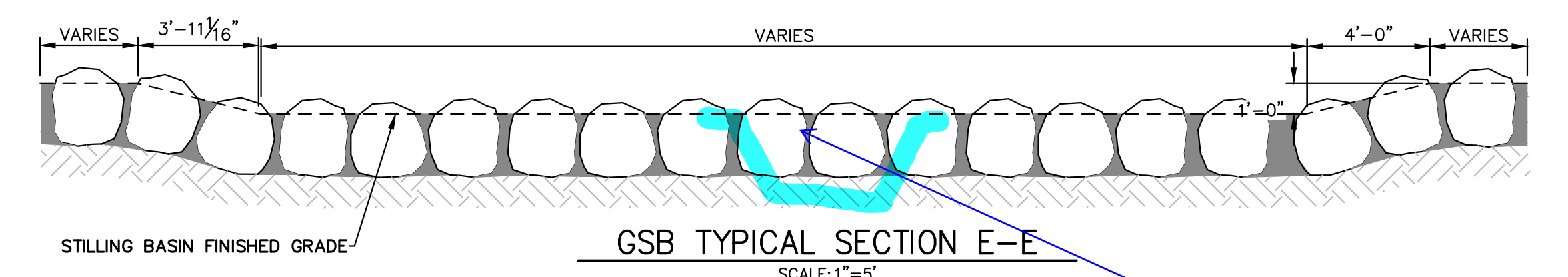
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
DATE 4/18/23

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, 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	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 51	OF 121	JOB NO.	25188.04

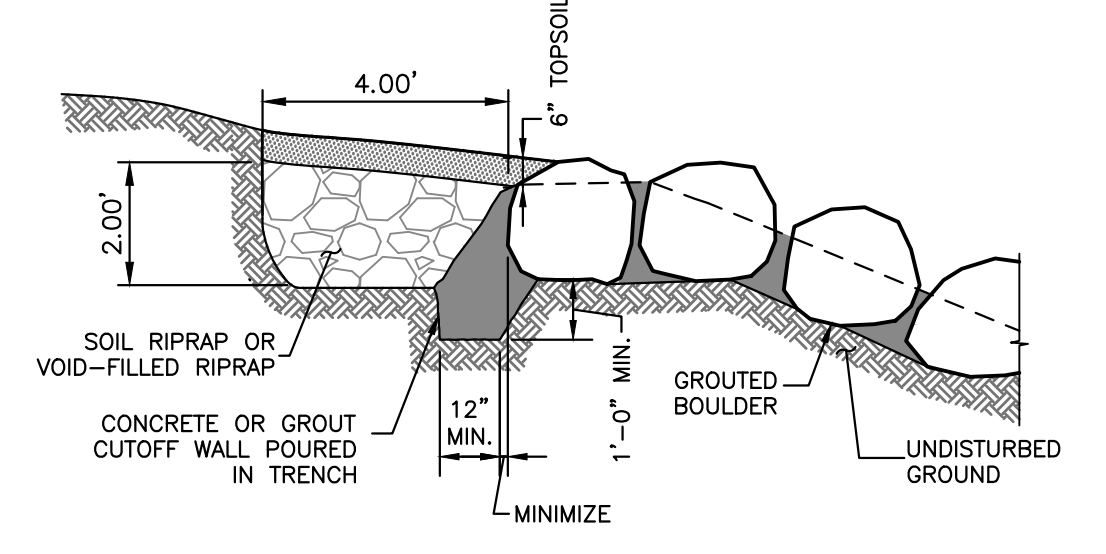


GSB TYPICAL SECTION PLAN VIEW
SCALE: 1"=10'

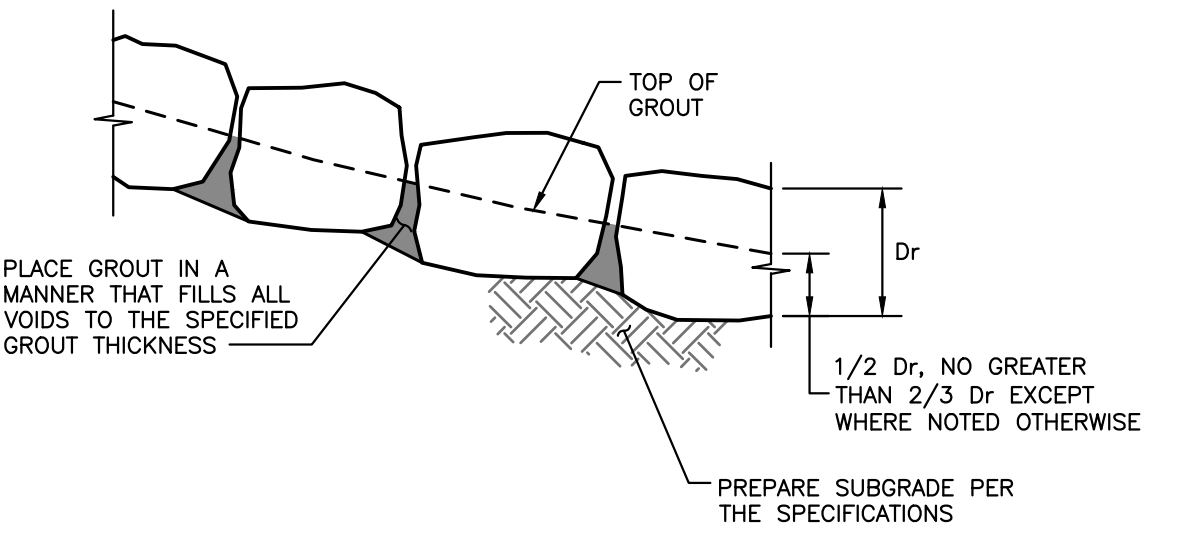


GSB TYPICAL SECTION E-E
SCALE: 1"=5'

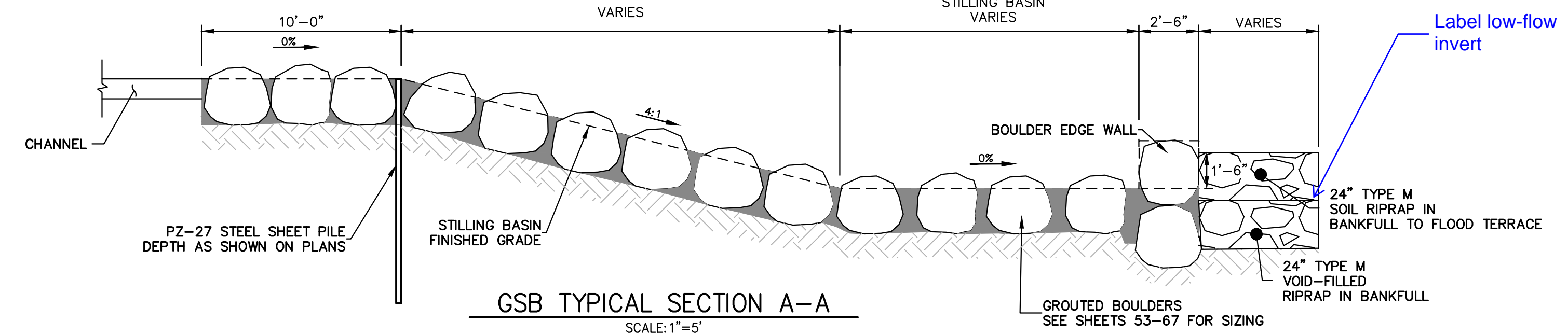
Should there be a drop for low-flow channel?



STRUCTURE EDGE WALL DETAIL (GSB)
N.T.S.

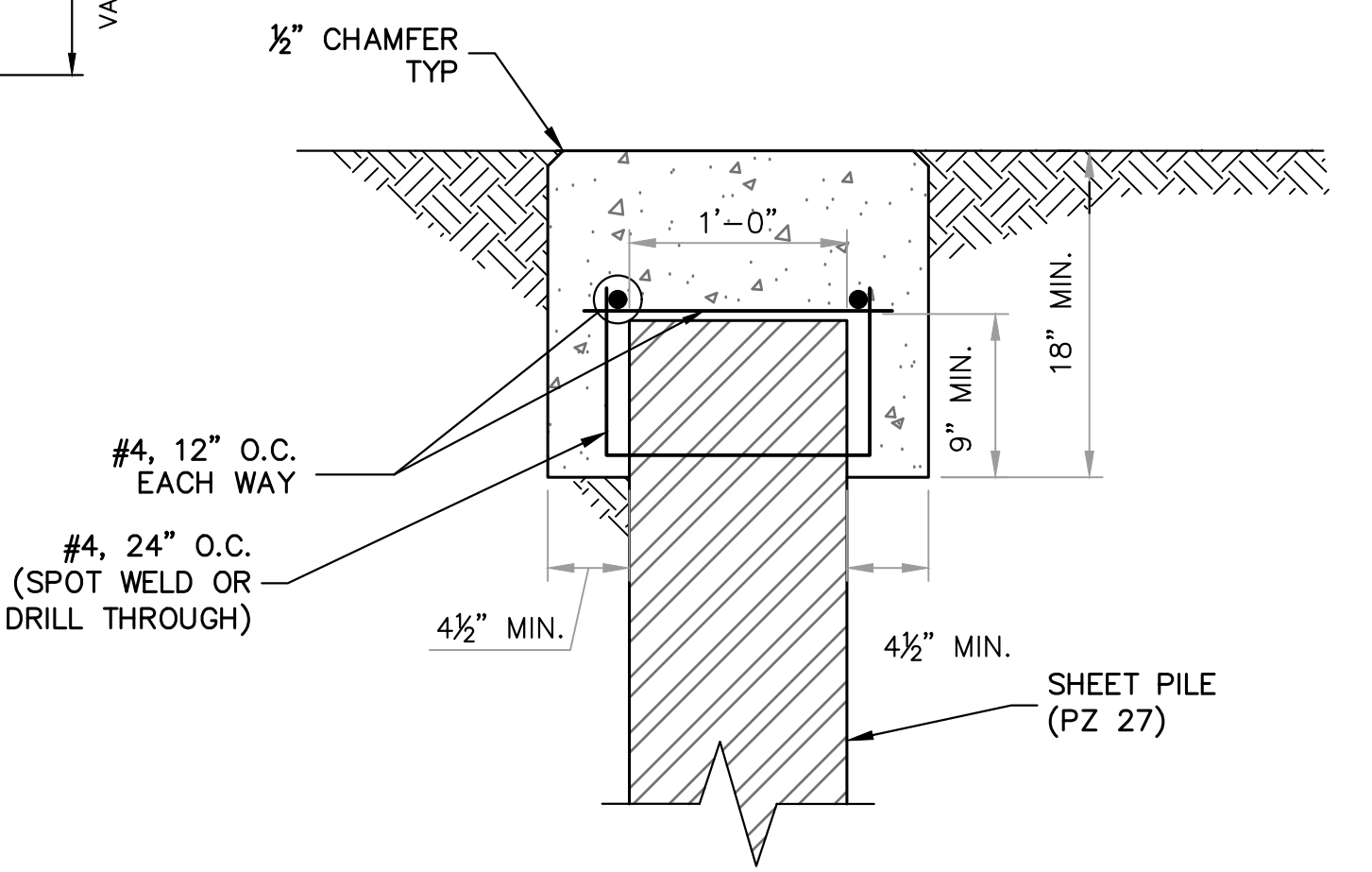


BOULDER PLACEMENT NOTES:
1. PLACE BOULDERS WITH THE REQUIRED BOULDER HEIGHT VERTICAL. PLACE BOULDERS AS TIGHTLY TOGETHER AS POSSIBLE (WITHOUT TOUCHING) WHILE PROVIDING ENOUGH ROOM BETWEEN THEM TO THOROUGHLY VIBRATE THE GROUT AND TO ENSURE NO GAPS IN THE GROUT. THE SMALL DIMENSION OF A 2x4 CAN BE USED 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.

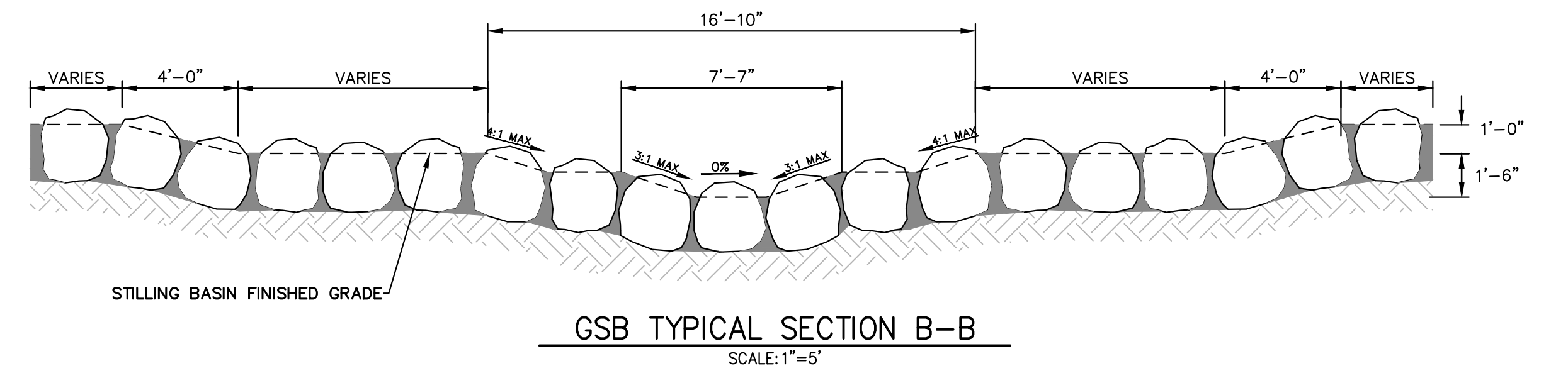


GSB TYPICAL SECTION A-A
SCALE: 1"=5'

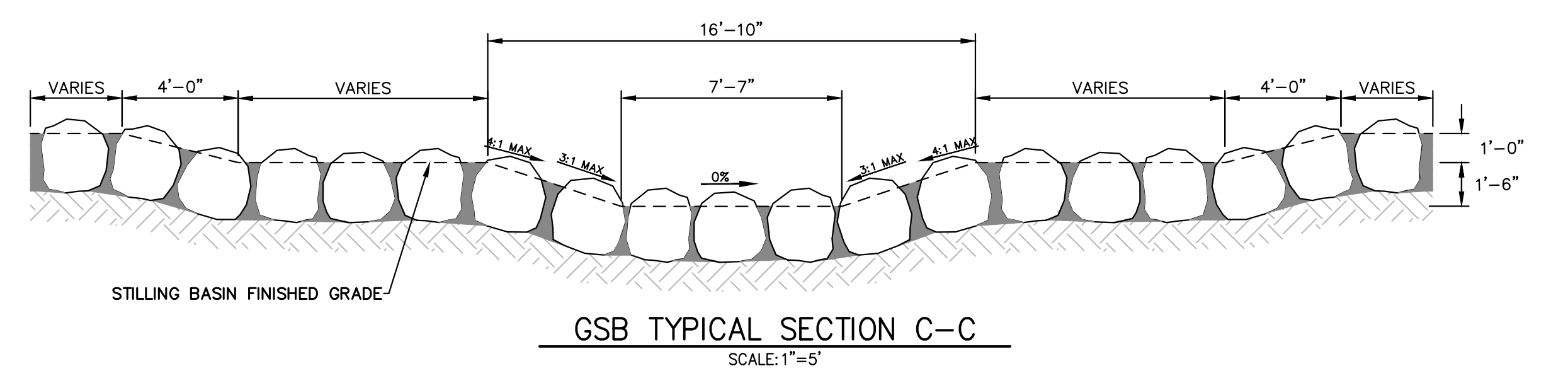
Label low-flow invert



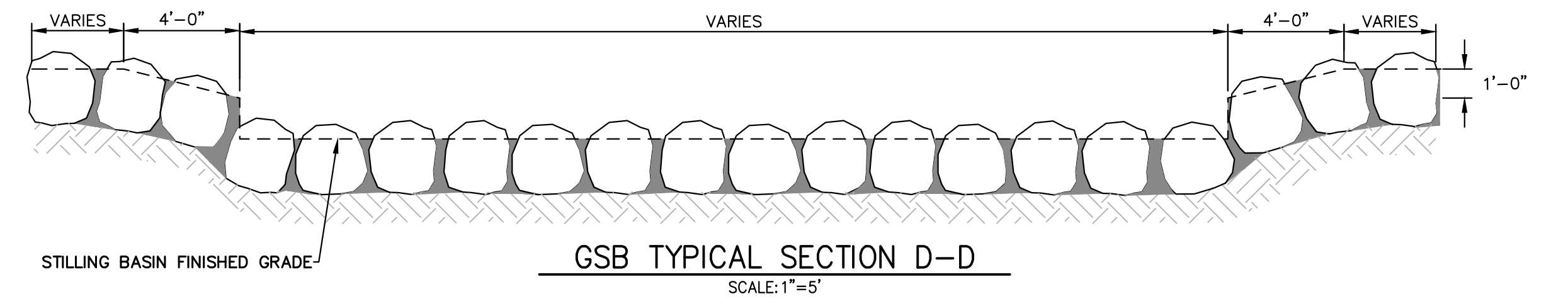
CONCRETE SHEET PILE CAP
N.T.S.



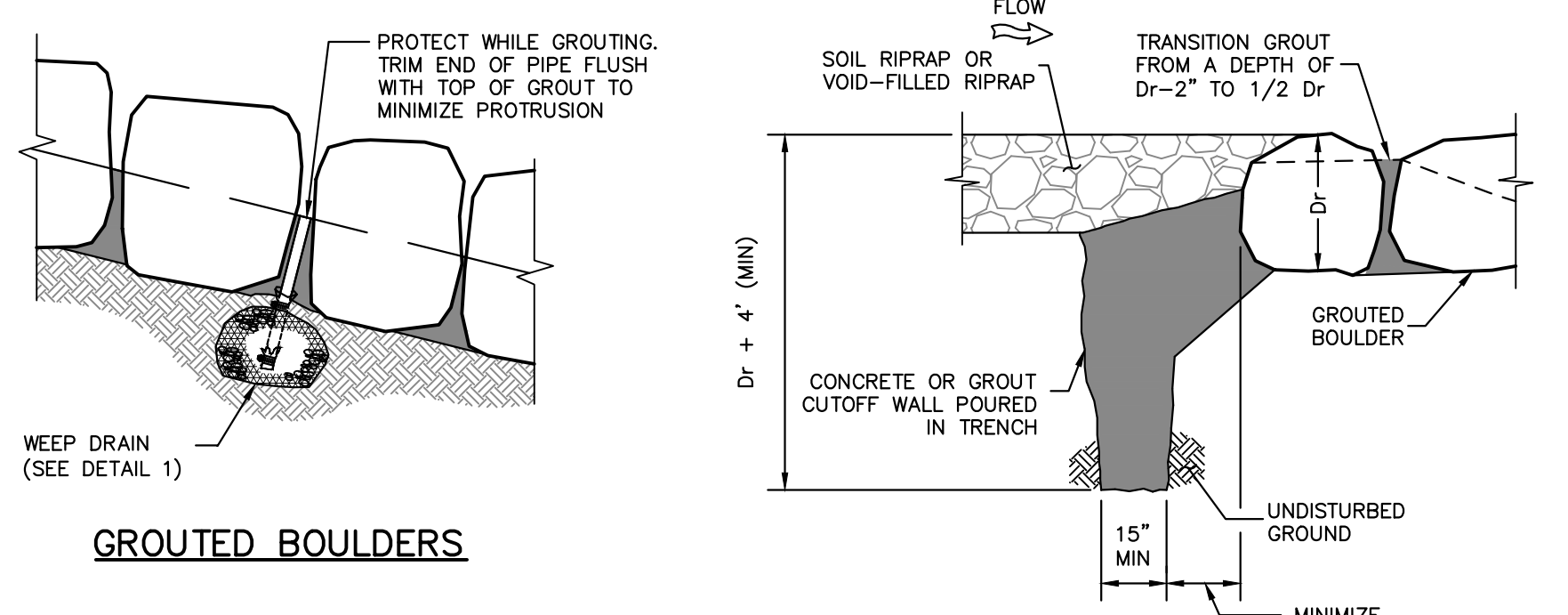
GSB TYPICAL SECTION B-B
SCALE: 1"=5'



GSB TYPICAL SECTION C-C
SCALE: 1"=5'



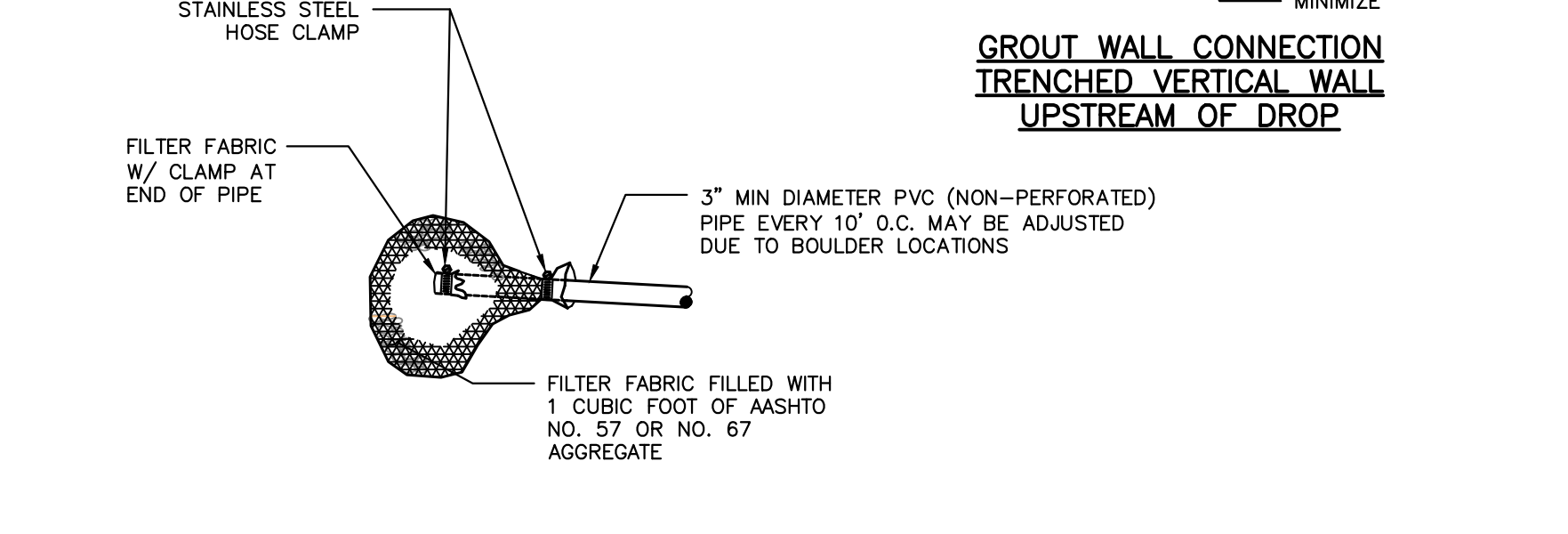
GSB TYPICAL SECTION D-D
SCALE: 1"=5'



GROUTED BOULDER PLACEMENT DETAIL
N.T.S.

GROUTED BOULDER NOTES:

- BOULDERS USED FOR GROUTING SHOULD MEET ALL THE PROPERTIES OF ROCK FOR ORDINARY RIPRAP, AND ROCK OF UNIFORM SIZE SHOULD BE USED.
- ROCK SHALL BE HARD, DURABLE, AND FREE FROM CRACKS, OVERBURDEN, SHALE, AND ORGANIC MATTER.
- GROUTED BOULDERS SHALL BE PLACED DIRECTLY ON STABILIZED, COMPACTED SUBGRADE WITHOUT GRANULAR BEDDING.
- THE TOP ONE-THIRD OF THE BOULDERS SHALL BE LEFT UNGROUTED AND EXPOSED.
- 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.
- WEEP HOLES SHALL BE PROVIDED AT THE CHANNEL SLOPES AND CHANNEL DROPS AS SHOWN TO REDUCE UPLIFT FORCES ON THE GROUTED CHANNEL LINING.
- PLACEMENT AND GROUTING OF BOULDERS SHALL GENERALLY CONFORM TO THE SPECIFICATIONS AND DETAILS FOR GROUTED BOULDER DROPS. SEE DETAILS AND NOTES FOR GROUTED BOULDER DROPS ON THIS SHEET.
- BOULDERS SHALL BE SET IN A STEPPED MANNER. BOULDERS SHALL NOT BE ORIENTED INTO A SMOOTH SLOPING FACE.
- BOULDERS SHALL BE GROUTED TO 3/8 THE ROCK HEIGHT.
- 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.
- 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.



GROUTED BOULDERS

GROUT WALL CONNECTION TRENCHED VERTICAL WALL UPSTREAM OF DROP

DETAIL 1 WEEP DRAIN

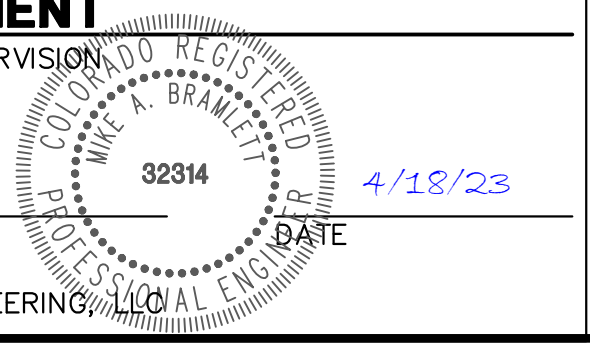
NOTE: INSTALL WEEP DRAINS FOR DROPS AND WALLS 5' AND GREATER AT 10' O.C. AT ELEVATIONS AND LOCATIONS SHOWN ON THE DRAWINGS

WEEP DRAINS



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, JR ENGINEERING APPROVES THEIR USE APPROXIMATELY AS INDICATED BY WRITTEN AUTHORIZATION.

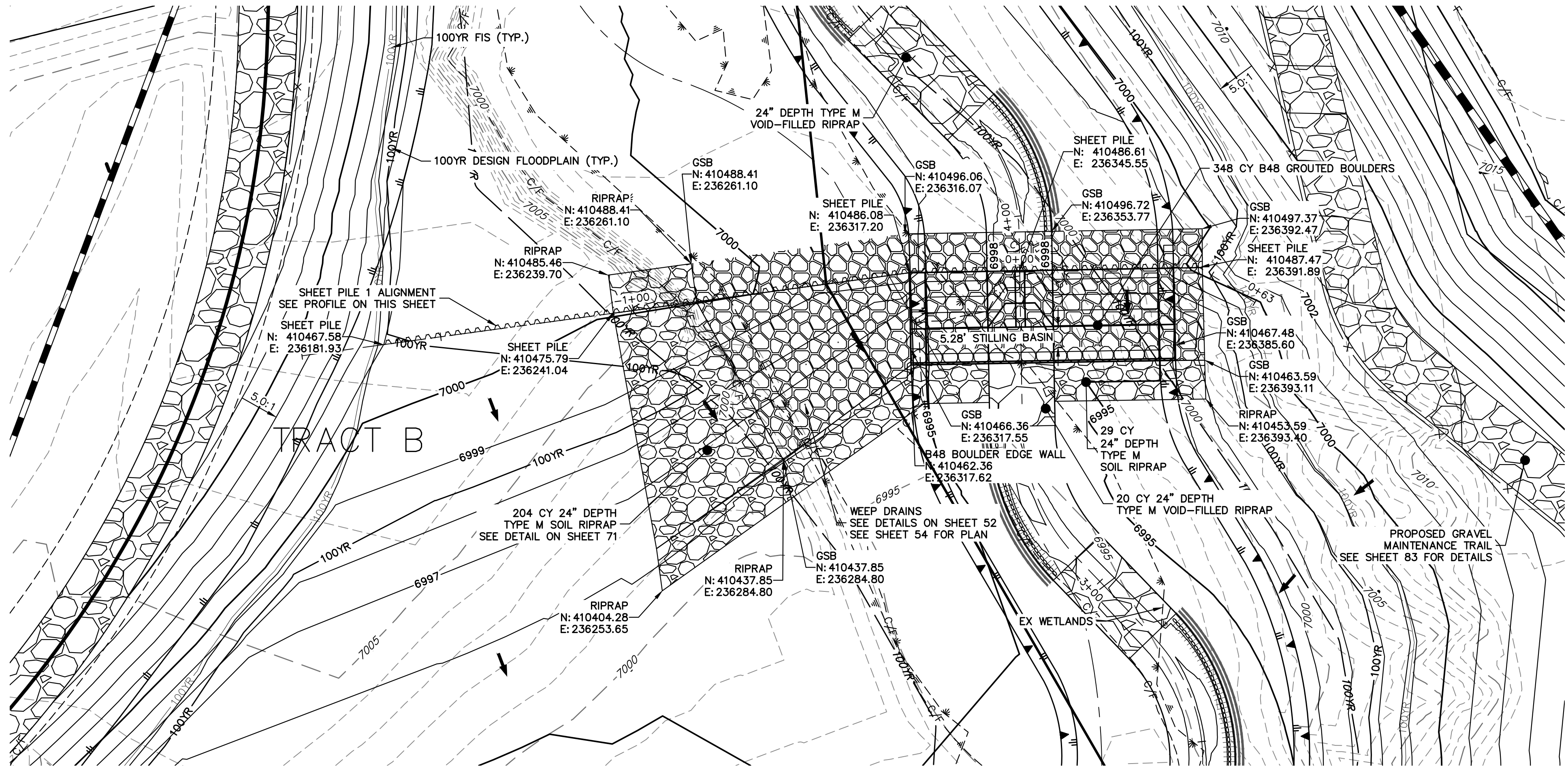
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
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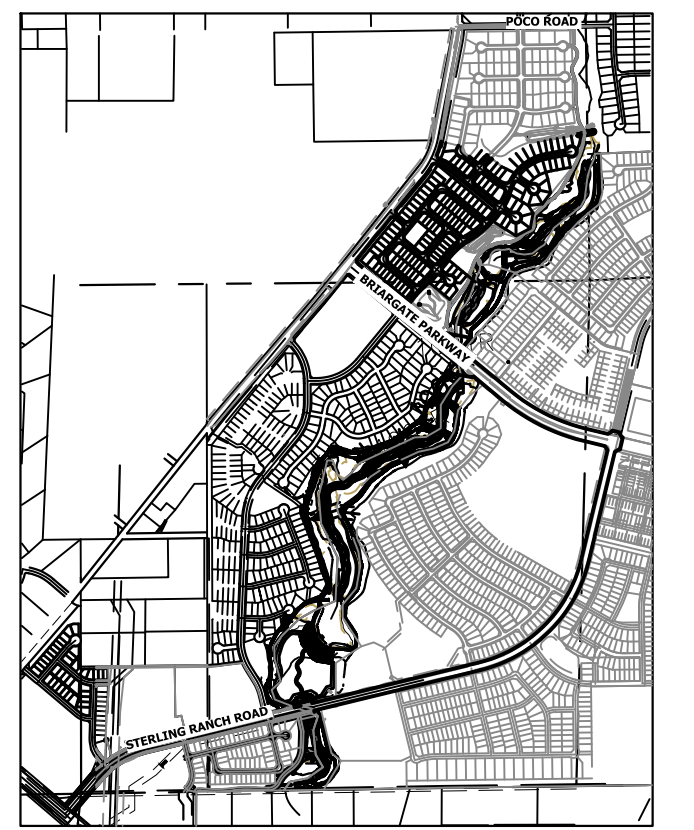
BY	DATE	REVISION

H-SCALE	AS SHOWN	No.	REVISION
V-SCALE	AS SHOWN		
DATE	4/18/23	DESIGNED BY	DJV
DRAWN BY	NEO	CHECKED BY	

SAND CREEK RESTORATION
GSB DETAILS
SHEET 52 OF 121
JOB NO. 25188.04

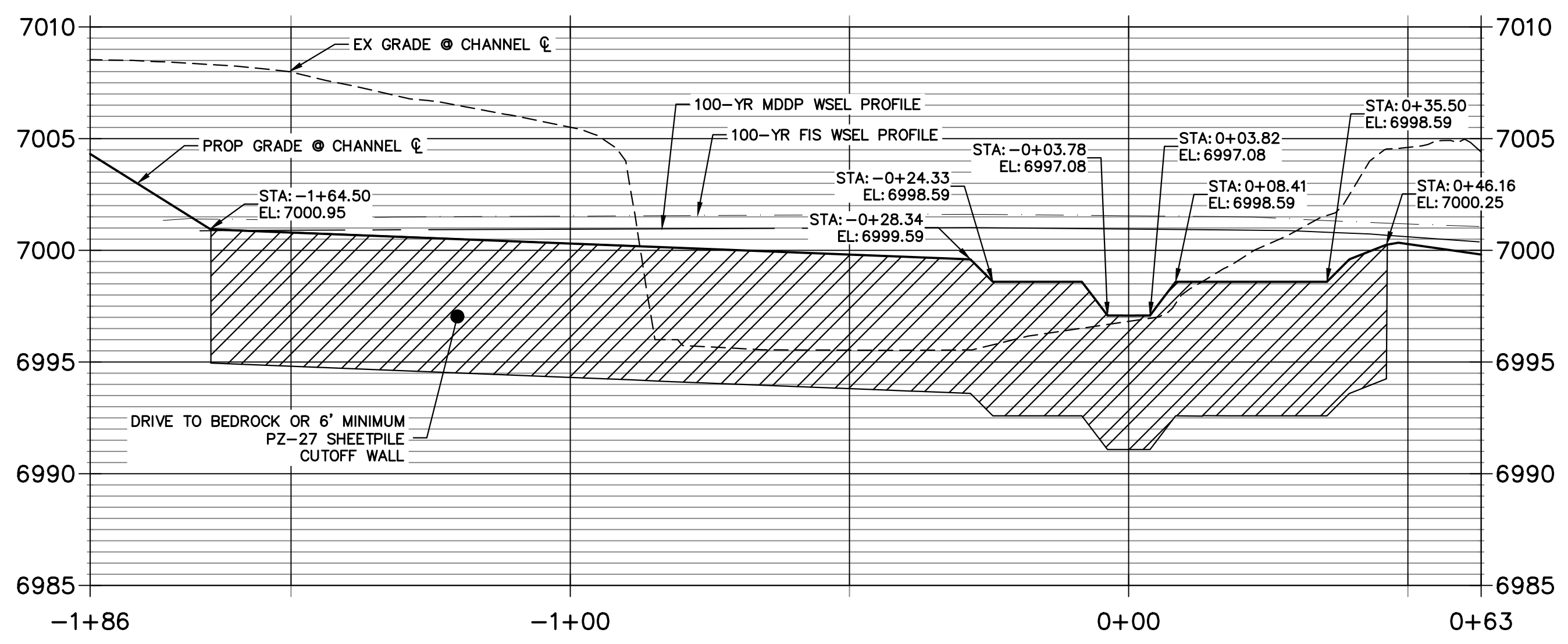


**GRouted STEPPED BOULDER DROP #1 DETAIL
PLAN VIEW**
SCALE: 1"=20"

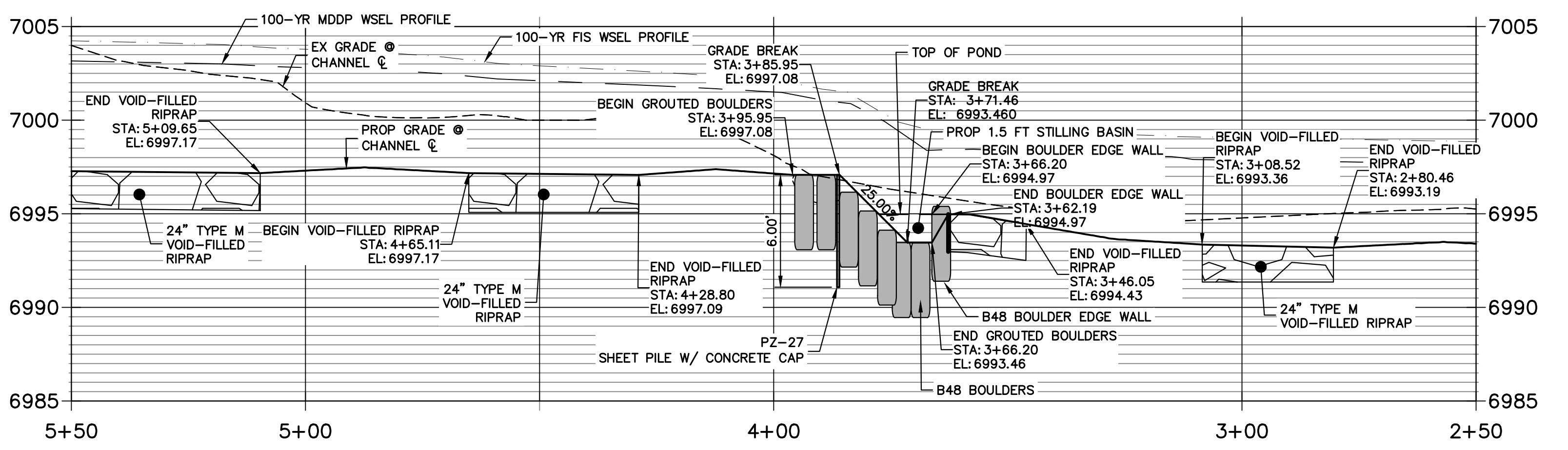


KEY MAP
SCALE: 1"=2000'

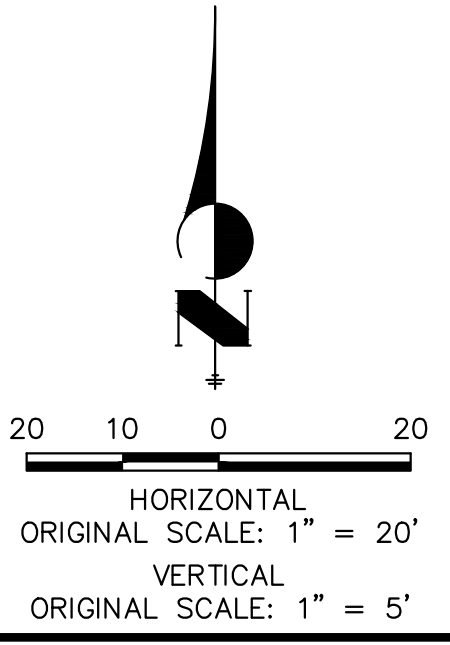
**GSB 1 SHEET PILE PROFILE
STA -1+85.99 TO 0+63.12**



**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


PREPARED UNDER MY DIRECT SUPERVISION

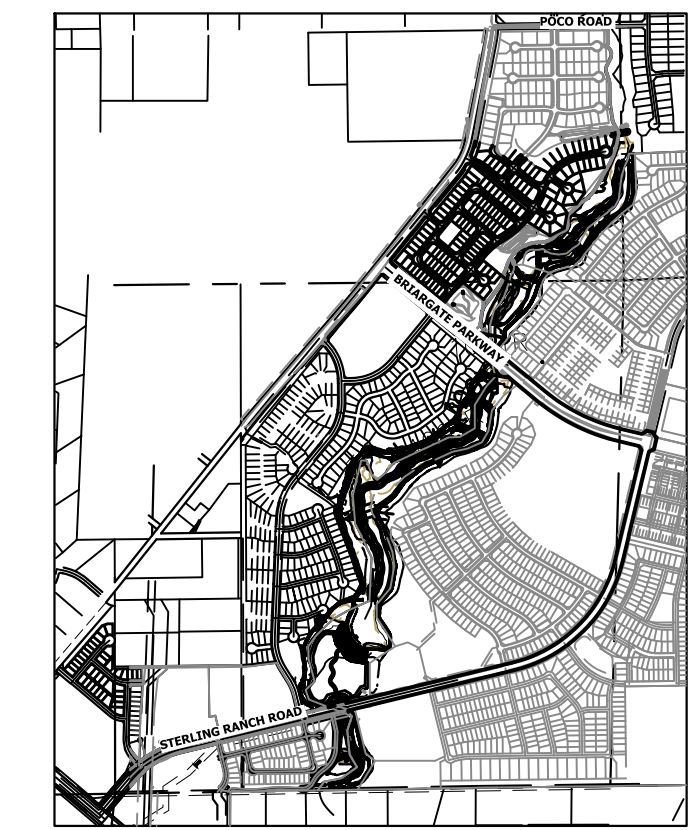
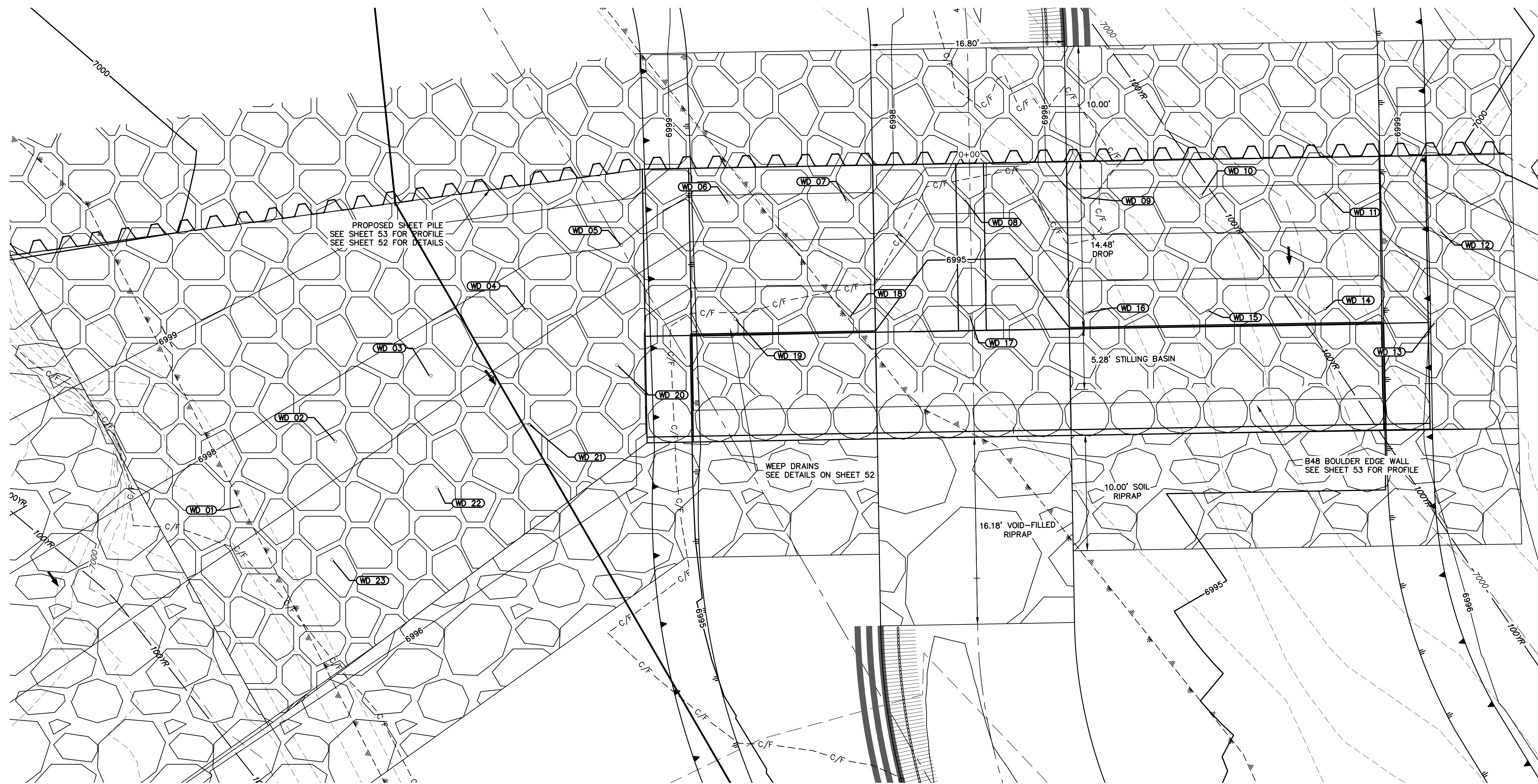
Mike Bramlett

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

FOR AND ON BEHALF OF JR ENGINEERING

DATE: 4/18/23

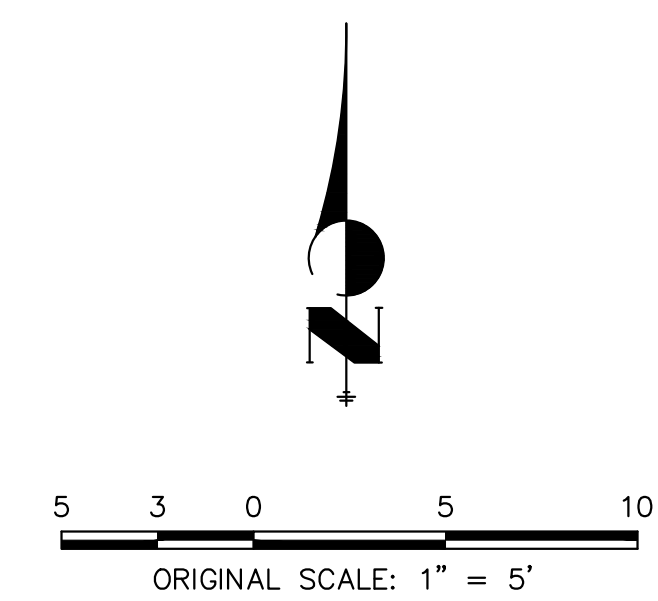
PREPARED FOR SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024	UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.			
	J.R. ENGINEERING A Westman Company  Centennial 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jr-engineering.com			
BY	DATE	REVISION	NO.	DATE
H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY
1"=20'	1"=5'	4/18/23	DV	NEO
SAND CREEK RESTORATION GSB DETAILS				
SHEET 53 OF 121 JOB NO. 25188.04				



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
SR LAND, LLC
 20 BOULDER CRESCENT
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No.	REVISION	BY	DATE

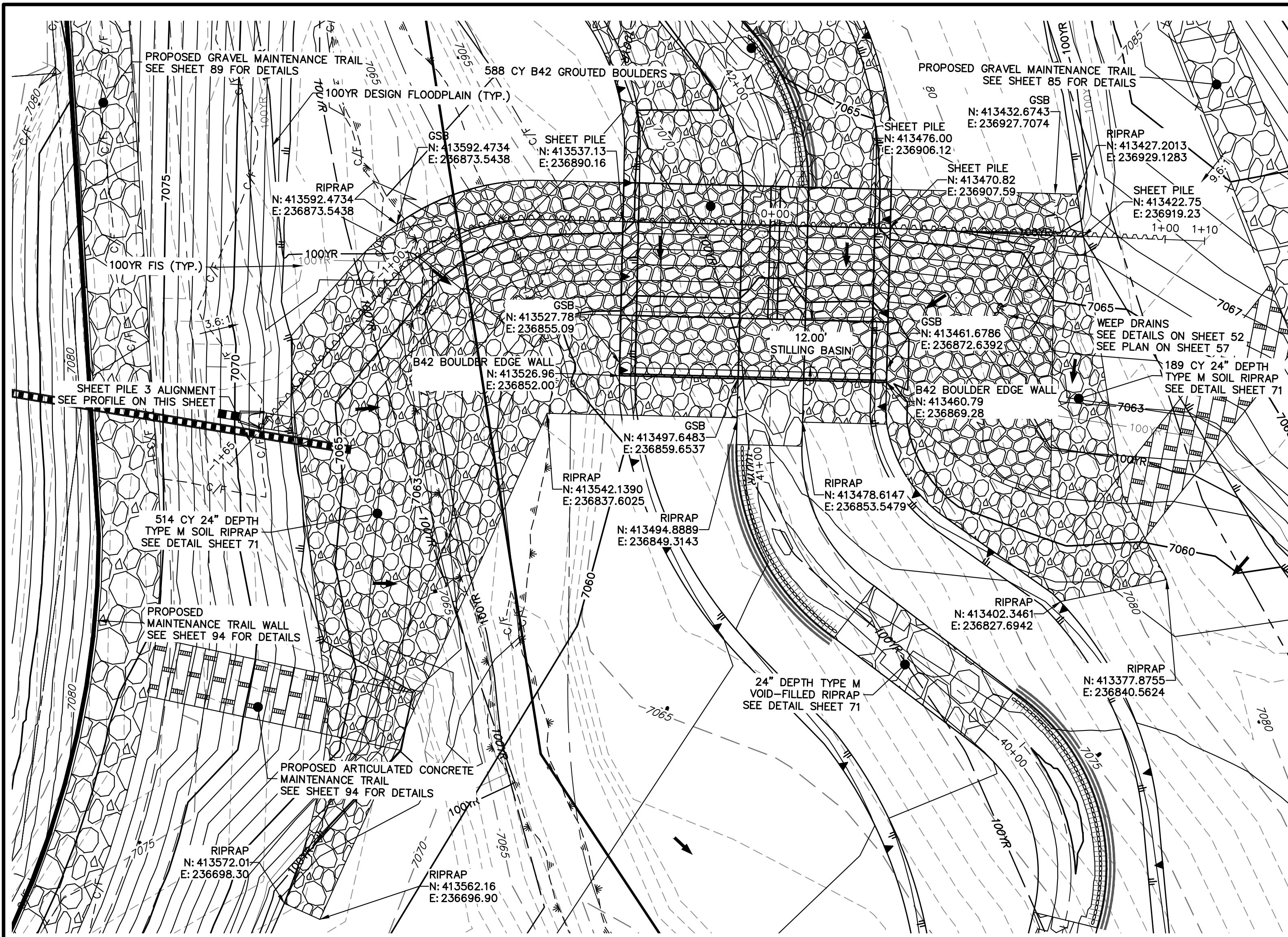
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DESIGNED BY	NEO	CHECKED BY

SAND CREEK RESTORATION
GSB DETAILS
 SHEET 54 OF 121
 JOB NO. 25188.04



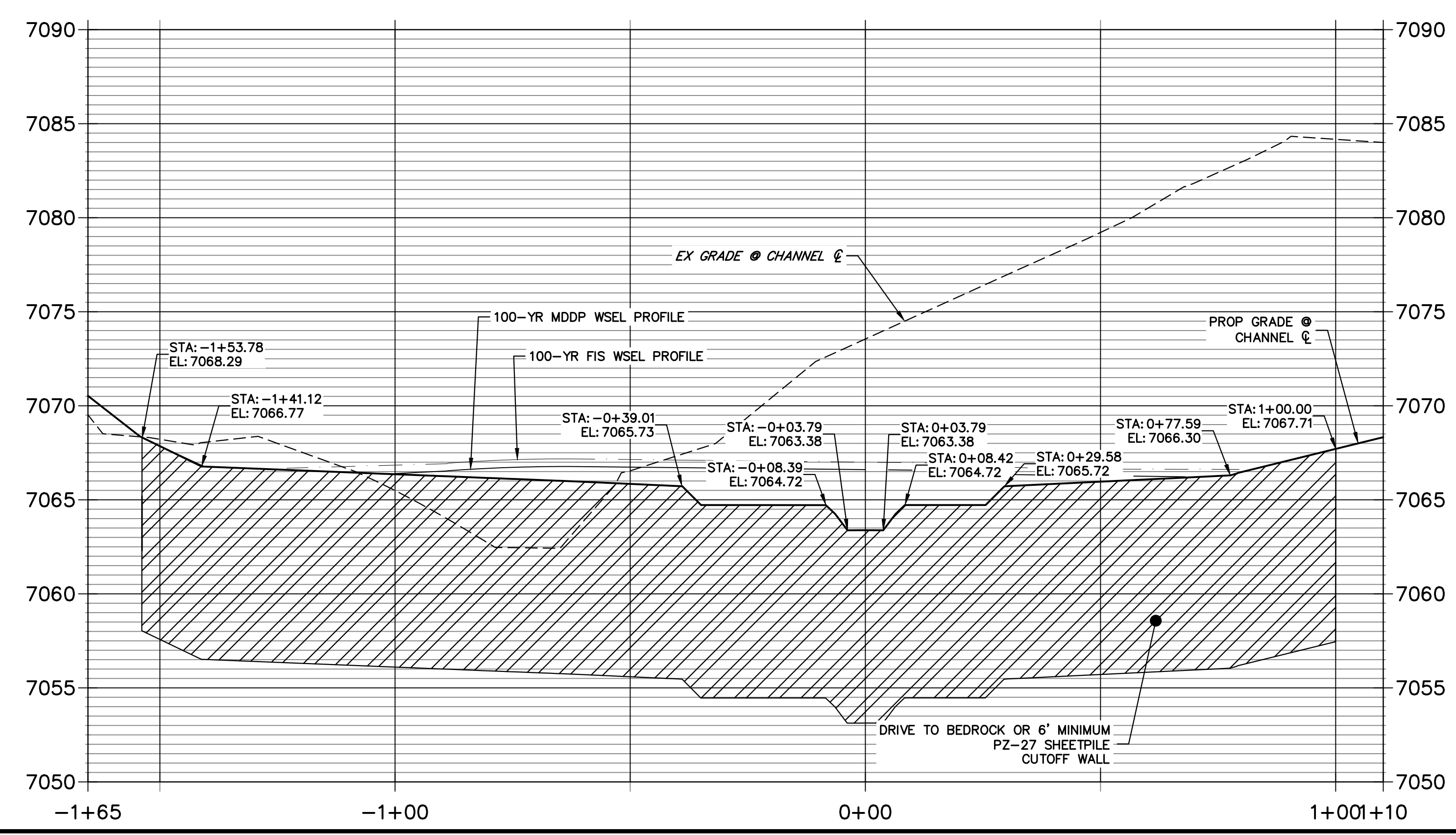
ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION
 Mike Bramlett
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING
 DATE 4/18/23

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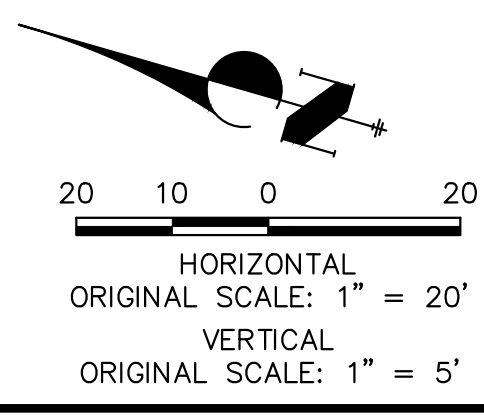
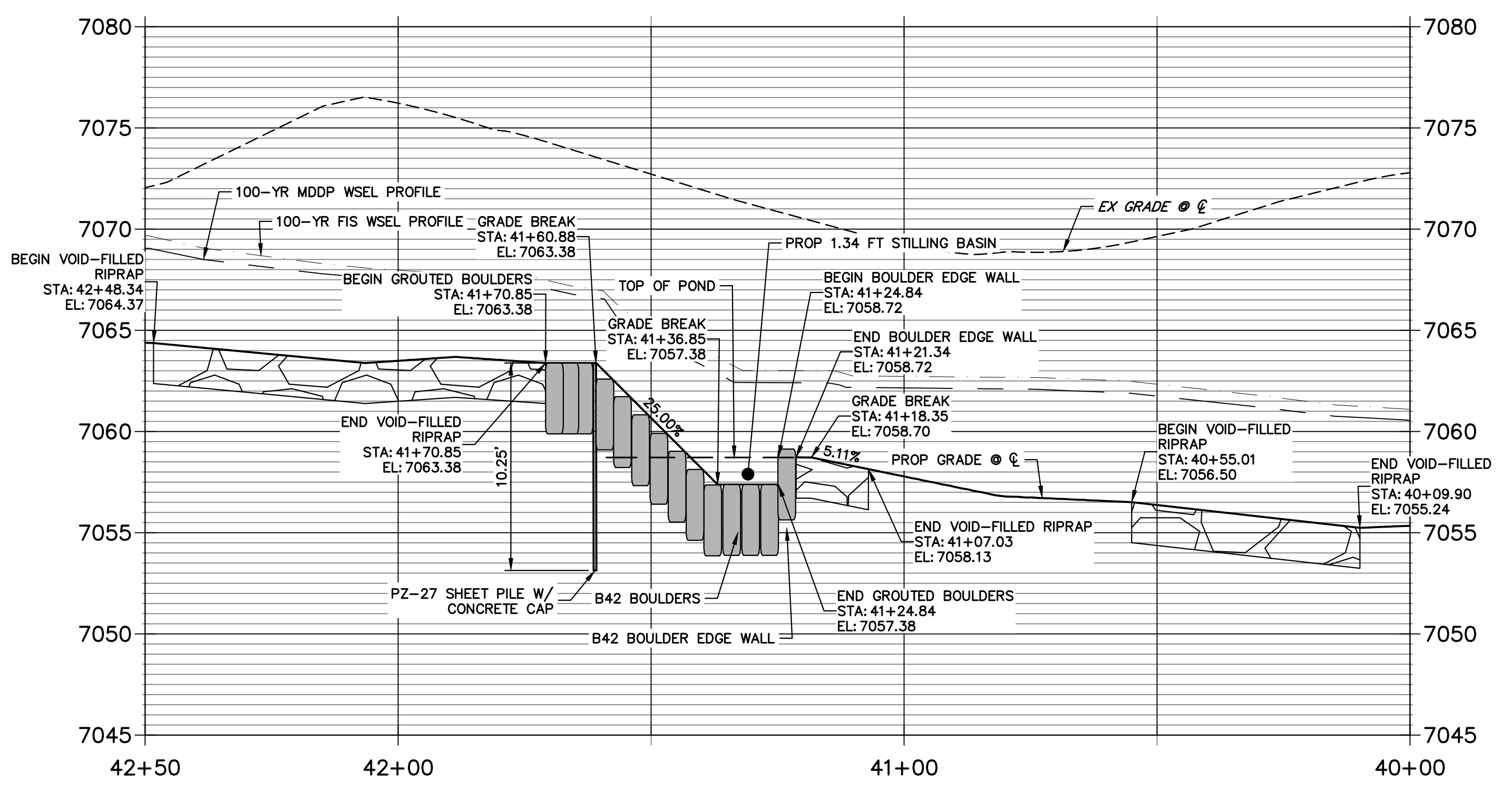


GROUTED STEPPED BOULDER DROP #3 DETAIL
PLAN VIEW
SCALE: 1"=20"

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



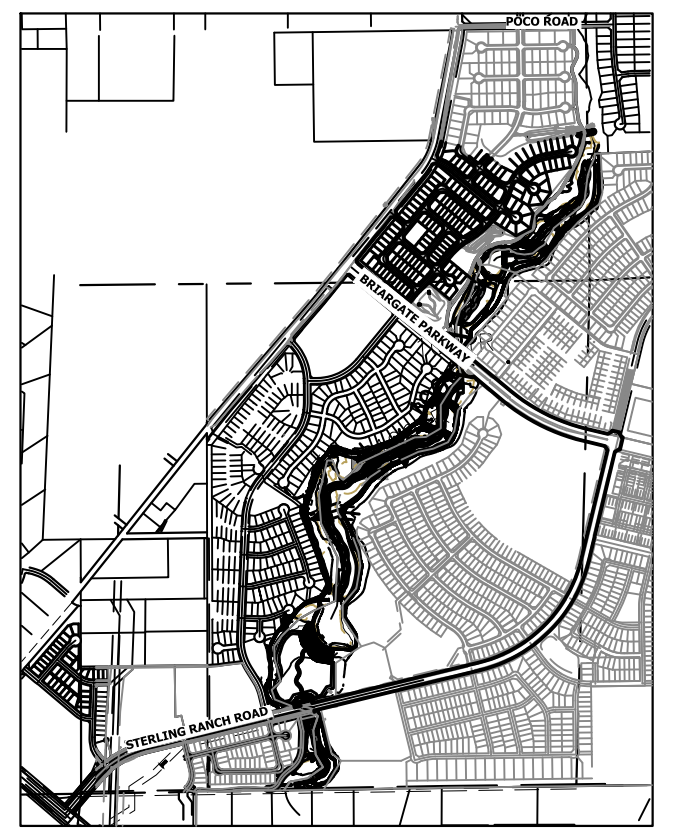
**GSB PROFILE 3
STA 40+00.00 TO 42+50.00**



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

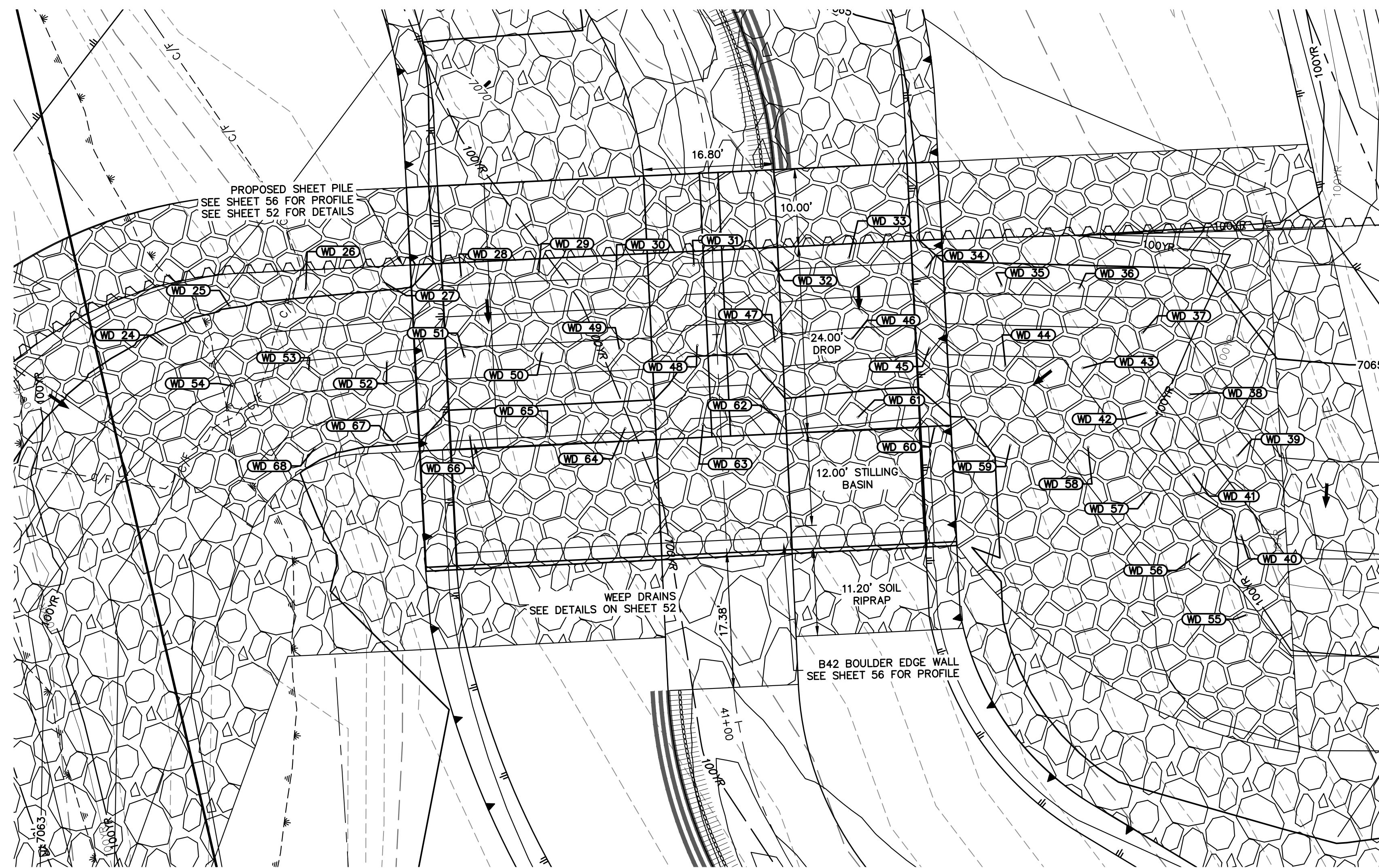
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
DATE 4/18/23

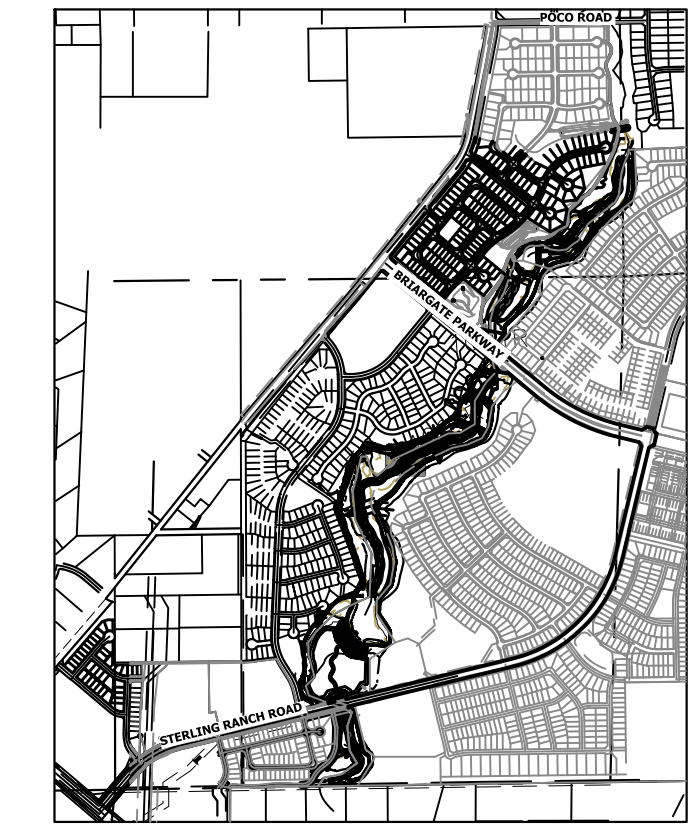


KEY MAP
SCALE: 1"=2000"

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
	JR ENGINEERING A Westman Company Central 300-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	
BY	DATE	
No.	REVISION	
H-SCALE 1"=20"	V-SCALE 1"=5"	DESIGNED BY DV
		DRAWN BY NEO
		CHECKED BY
SAND CREEK RESTORATION	GSB DETAILS	
SHEET 56	OF 121	
JOB NO.	25188.04	



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

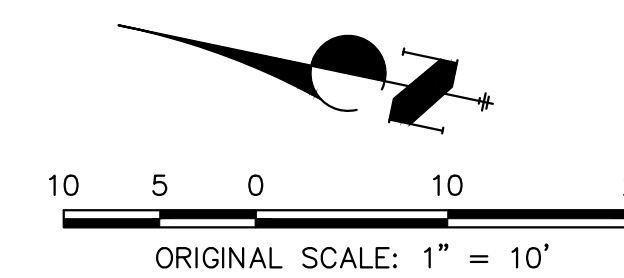


KEY MAP
SCALE: 1"=2000'

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

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

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

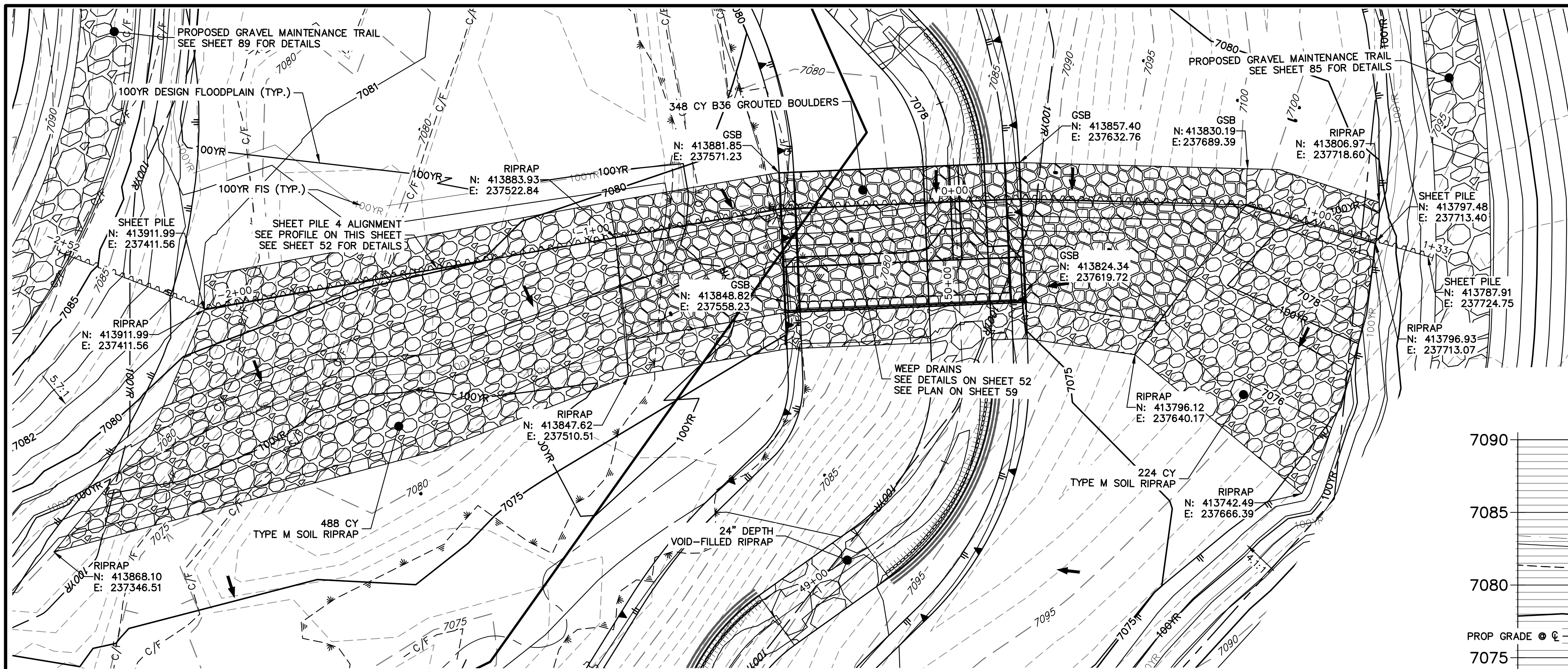
BY	DATE	REVISION

J.R. ENGINEERING
 A Westman Company
 Centennial 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

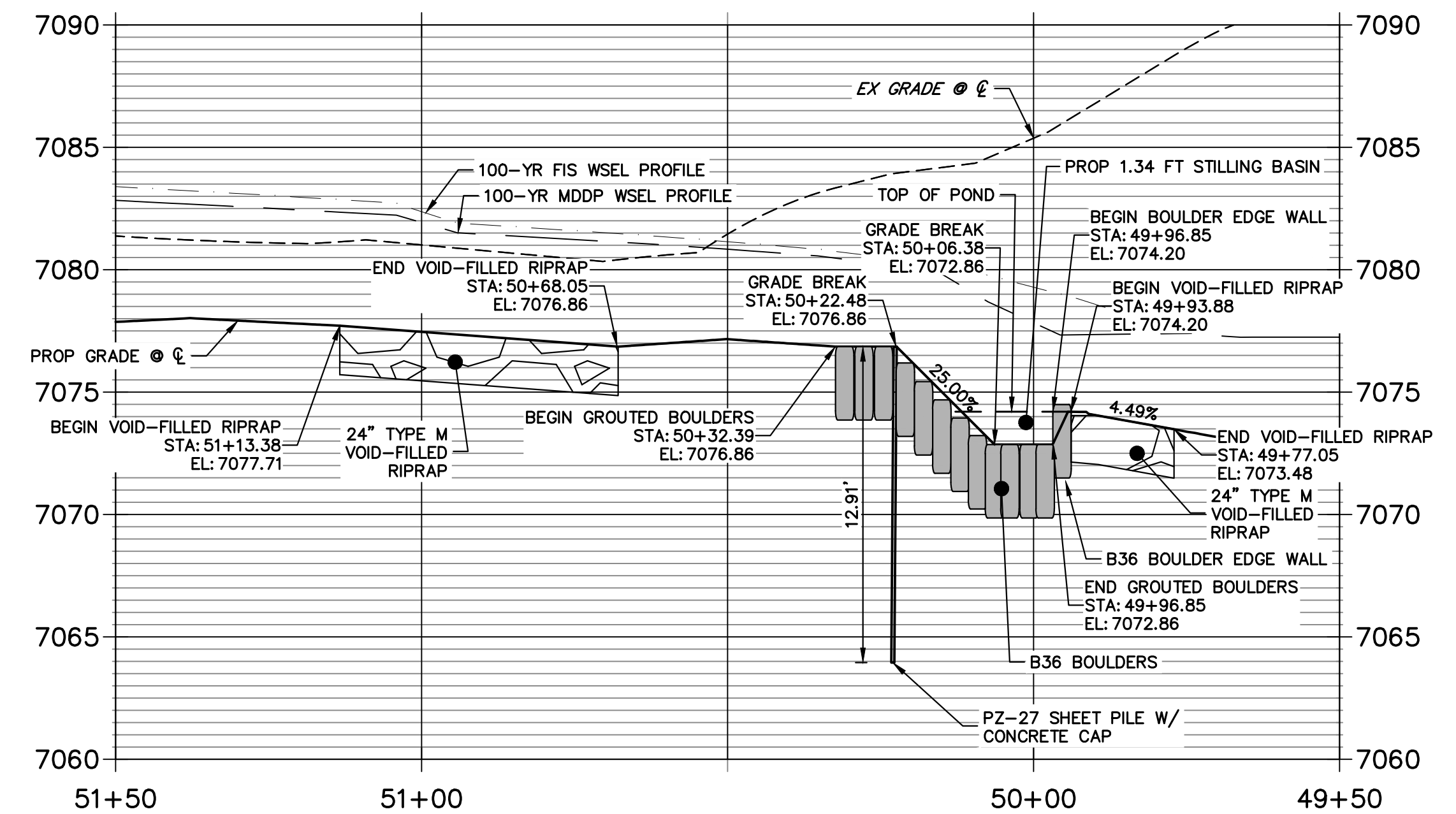
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE FOR PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

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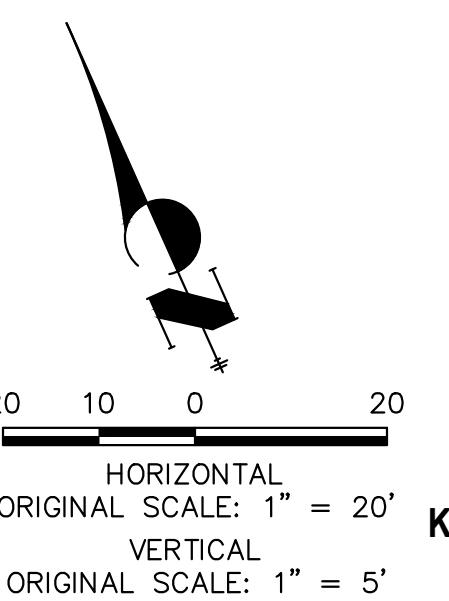
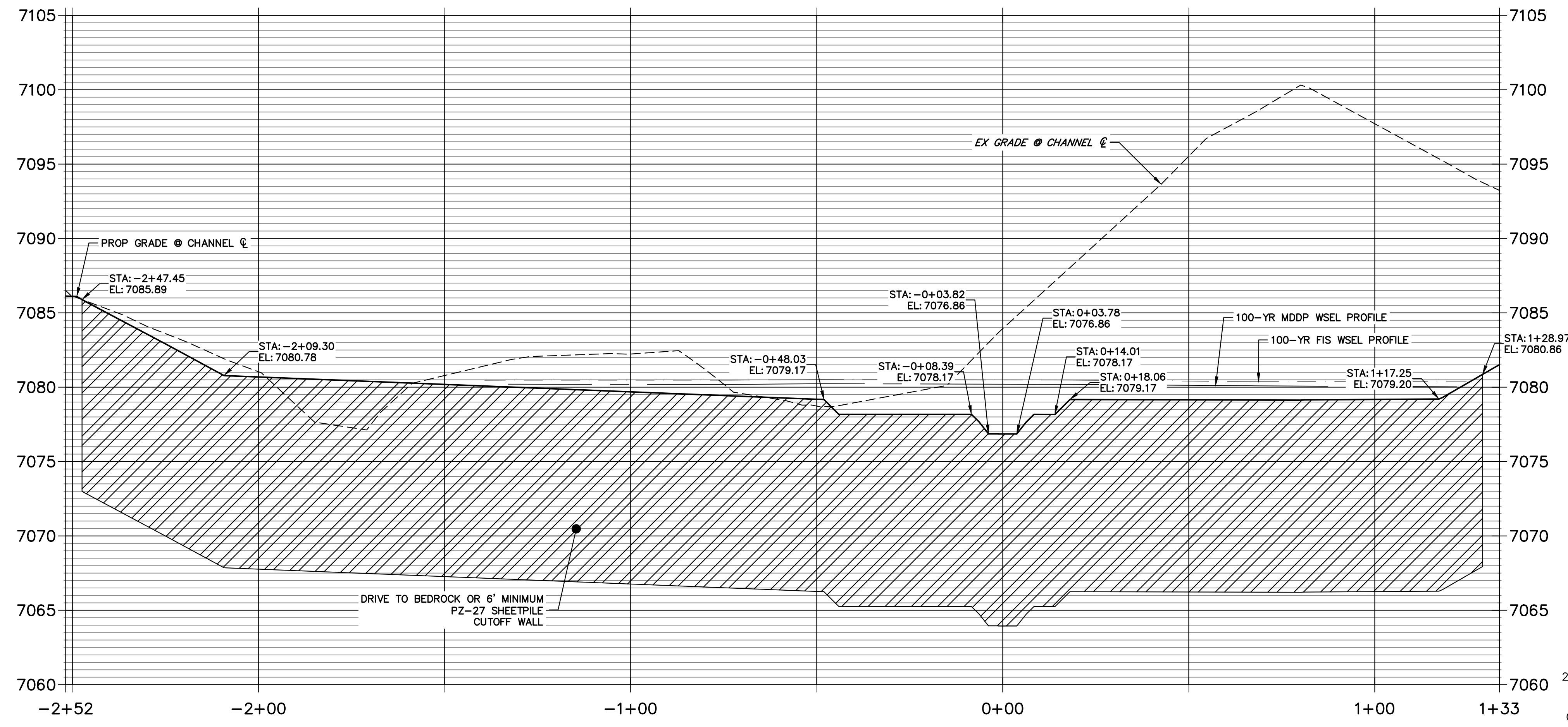


GRouted STEPPED BOULDER DROP #4 DETAIL PLAN VIEW
SCALE: 1"=20'

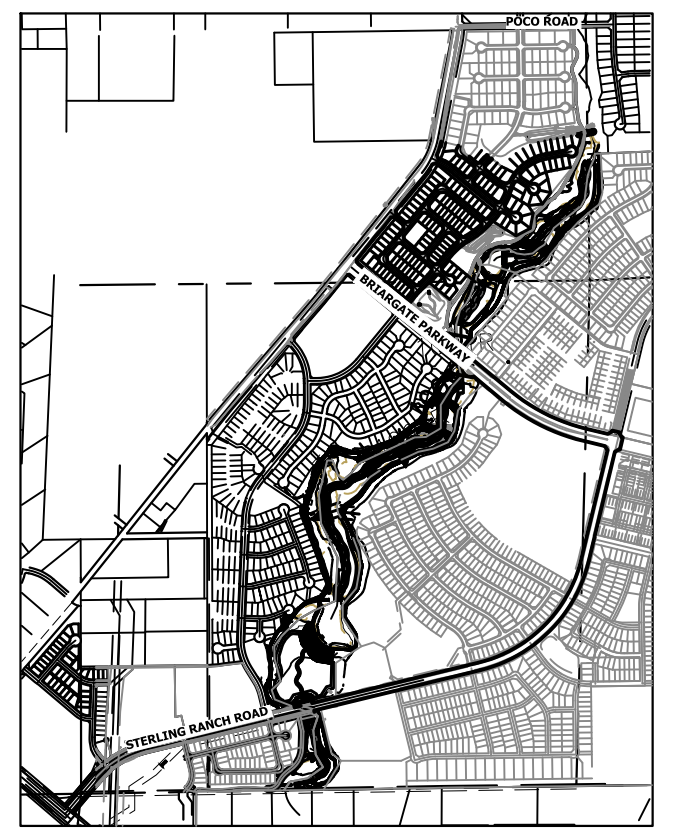
GSB PROFILE 4 STA 49+50.00 TO 51+50.00



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



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

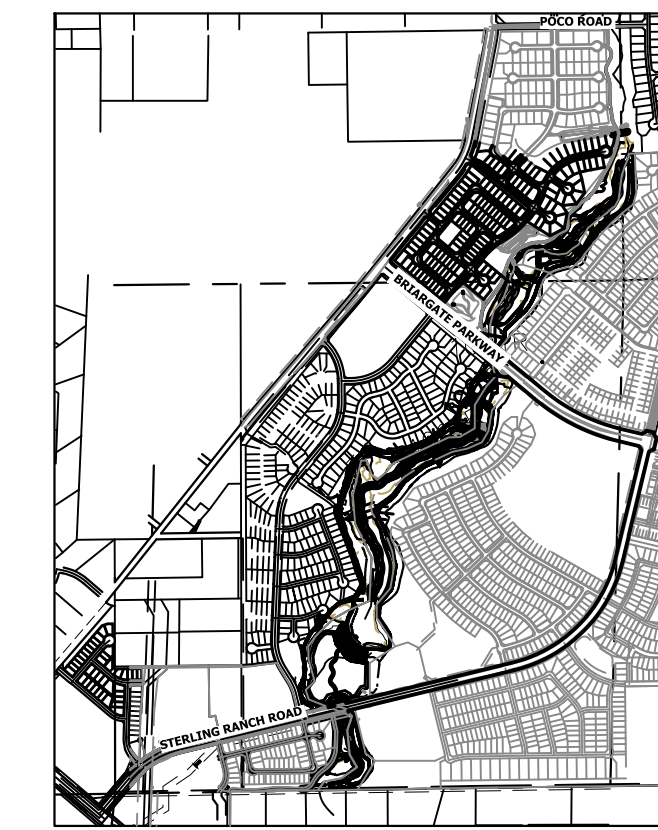
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BY	DATE	NO.	REVISION

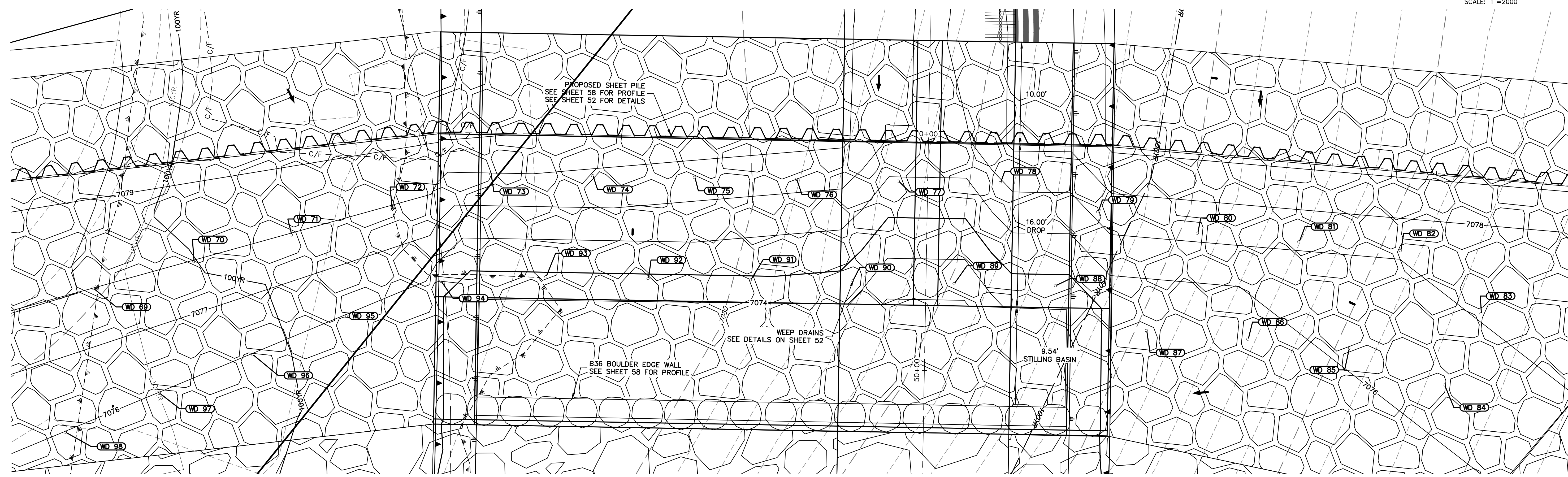
SAND CREEK RESTORATION
GSB DETAILS

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



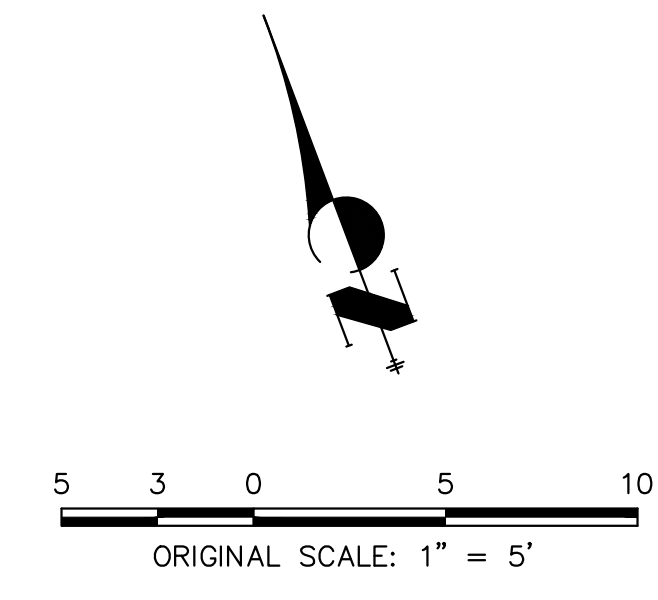
KEY MAP
SCALE: 1"=2000'



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



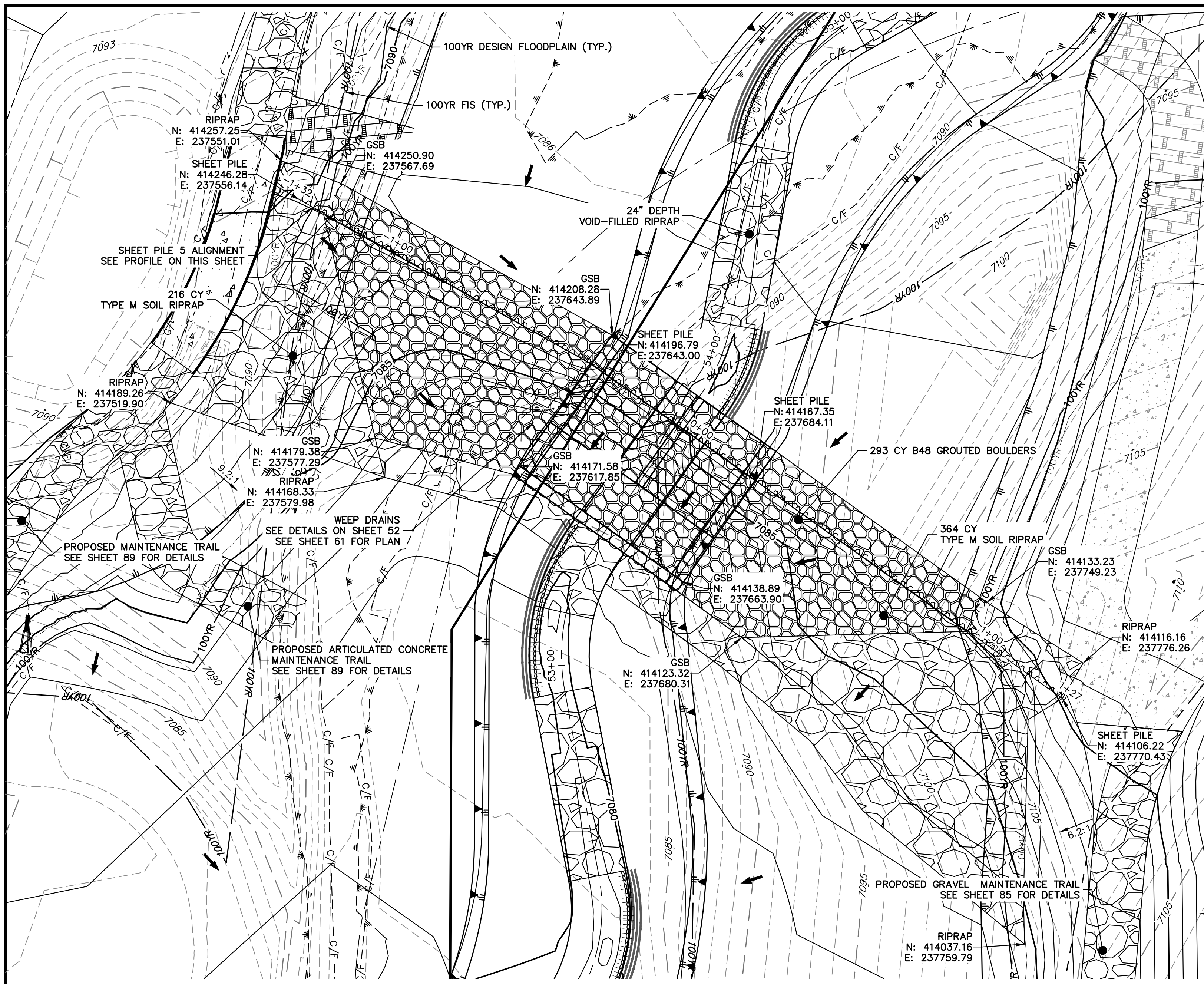
ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION
 Mike Bramlett
 32314 4/18/23
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, 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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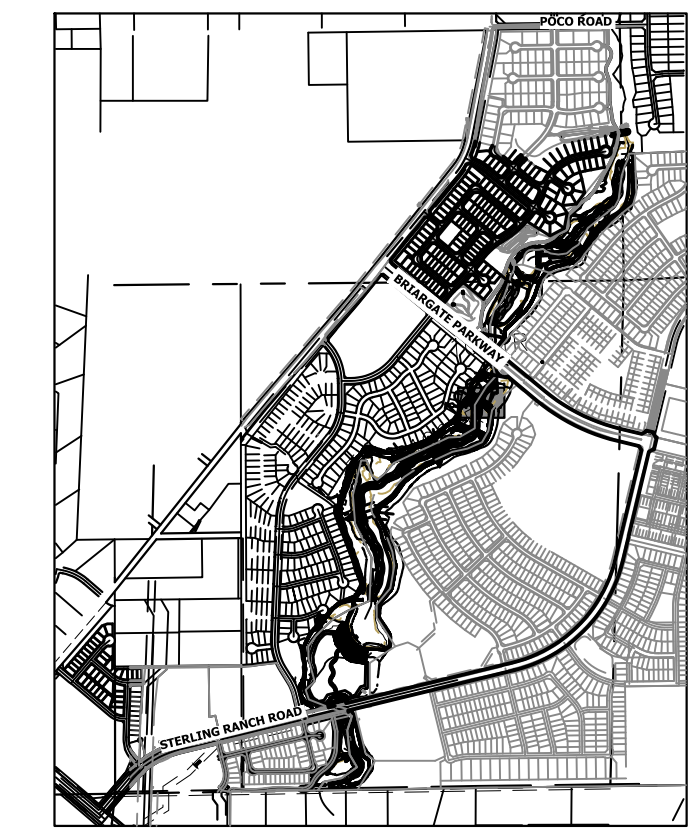
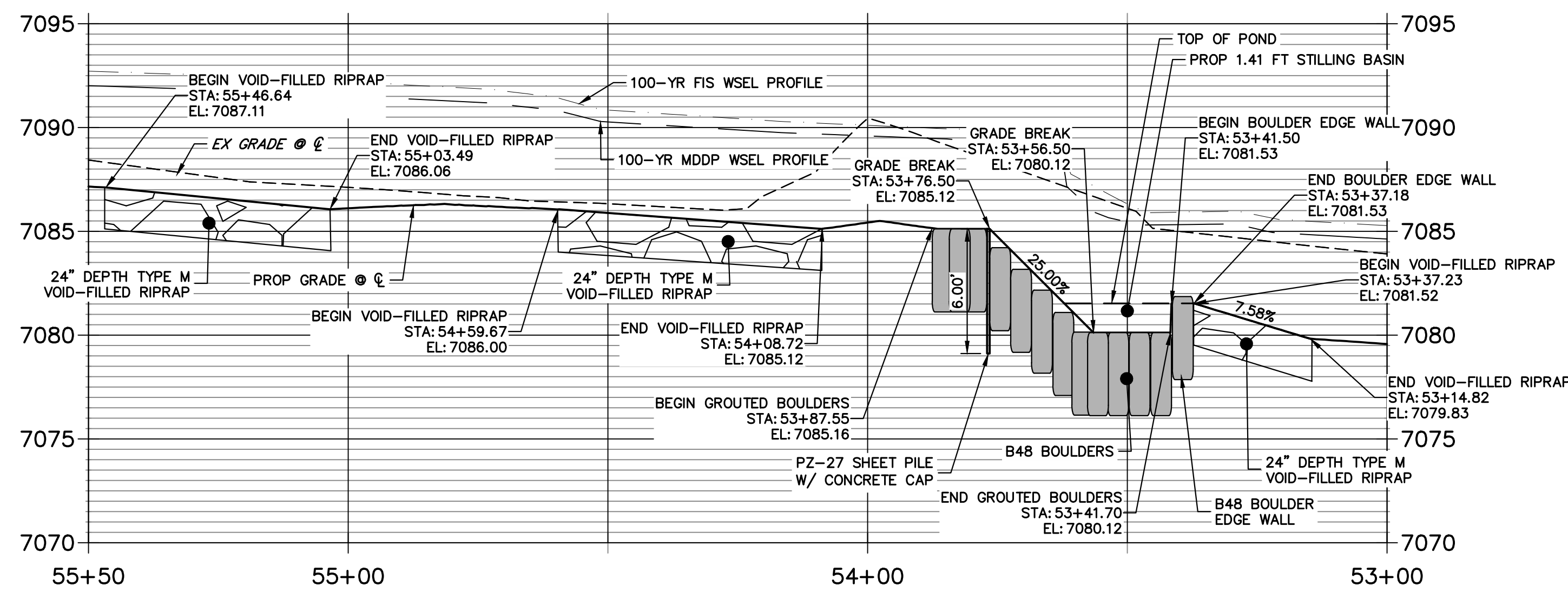
No.	REVISION	BY	DATE	1"=5'		4/18/23	
				H-SCALE	V-SCALE	DATE	DESIGNED BY

SAND CREEK RESTORATION
GSB DETAILS
 SHEET 59 OF 121
 JOB NO. 25188.04



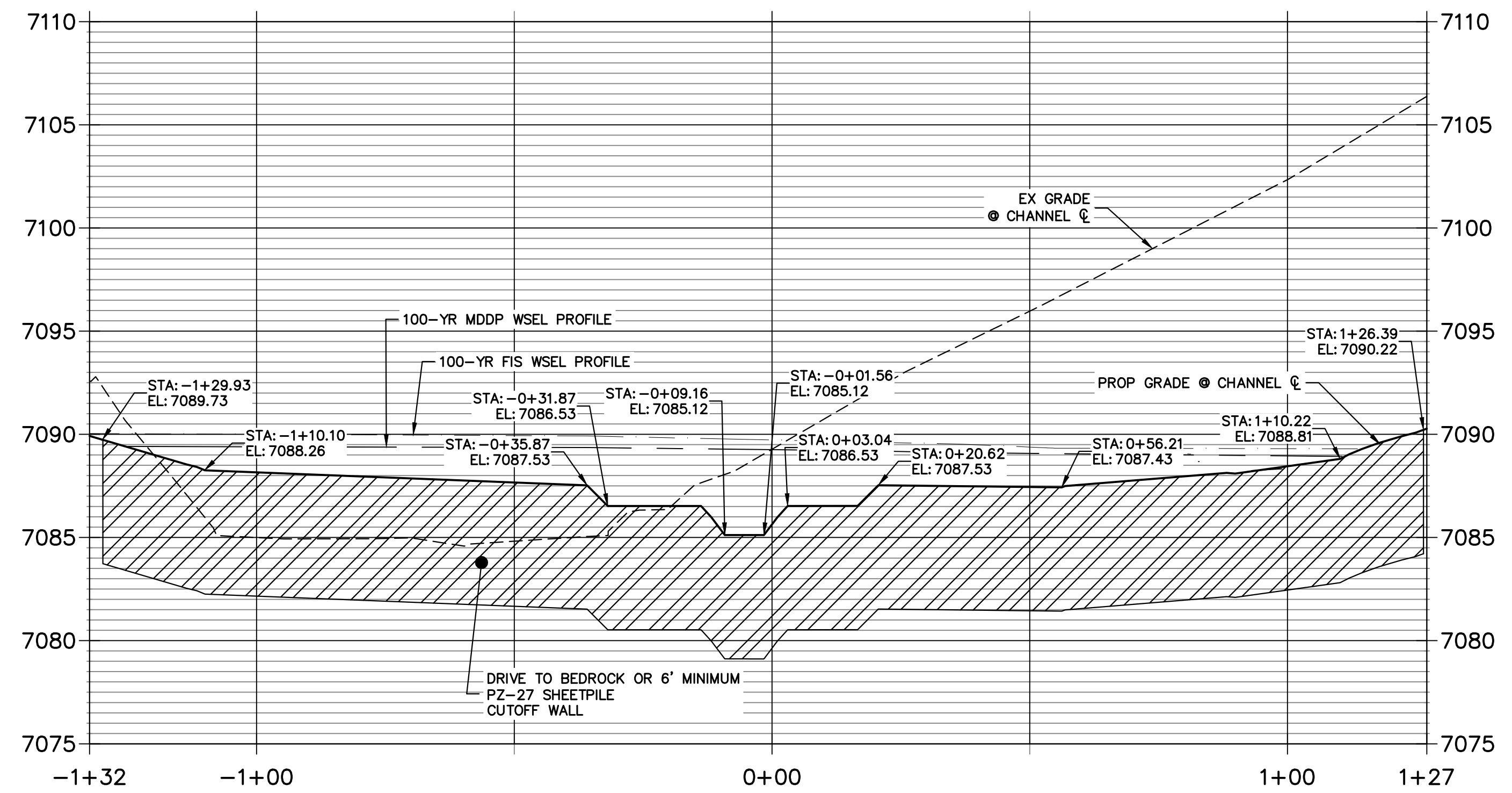
GRouted STEPPED BOULDER DROP #5 DETAIL
PLAN VIEW
SCALE: 1"=20'

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



KEY MAP
SCALE: 1"=2000'

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



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

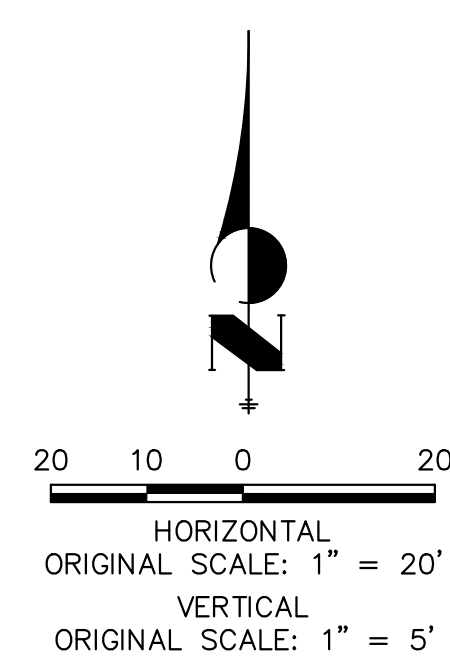
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
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No.	REVISION	BY	DATE

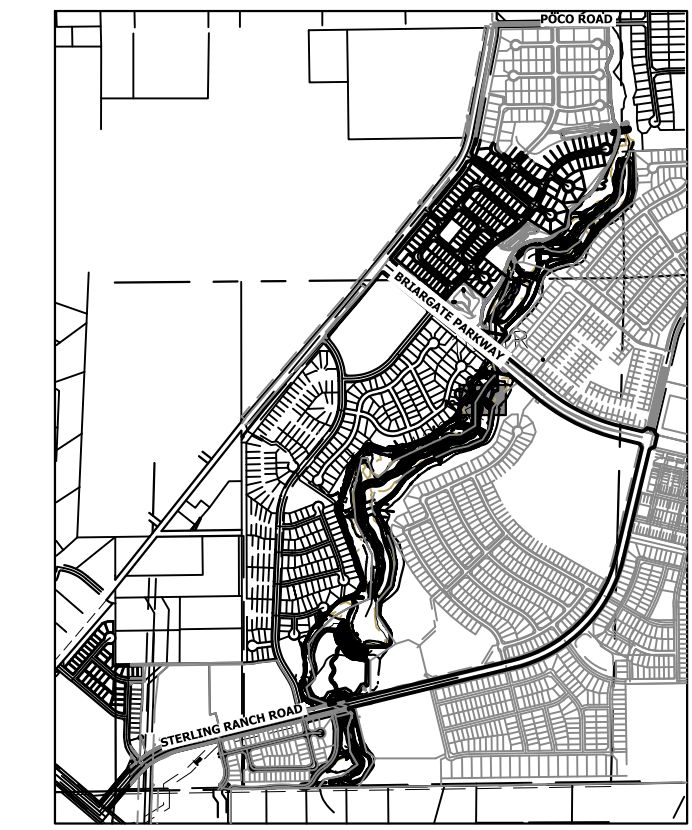
H-SCALE	1"=20'
V-SCALE	1"=5'
DATE	3/30/23
DESIGNED BY	DJV
DRAWN BY	NEO
CHECKED BY	

SAND CREEK RESTORATION
GSB DETAILS
SHEET 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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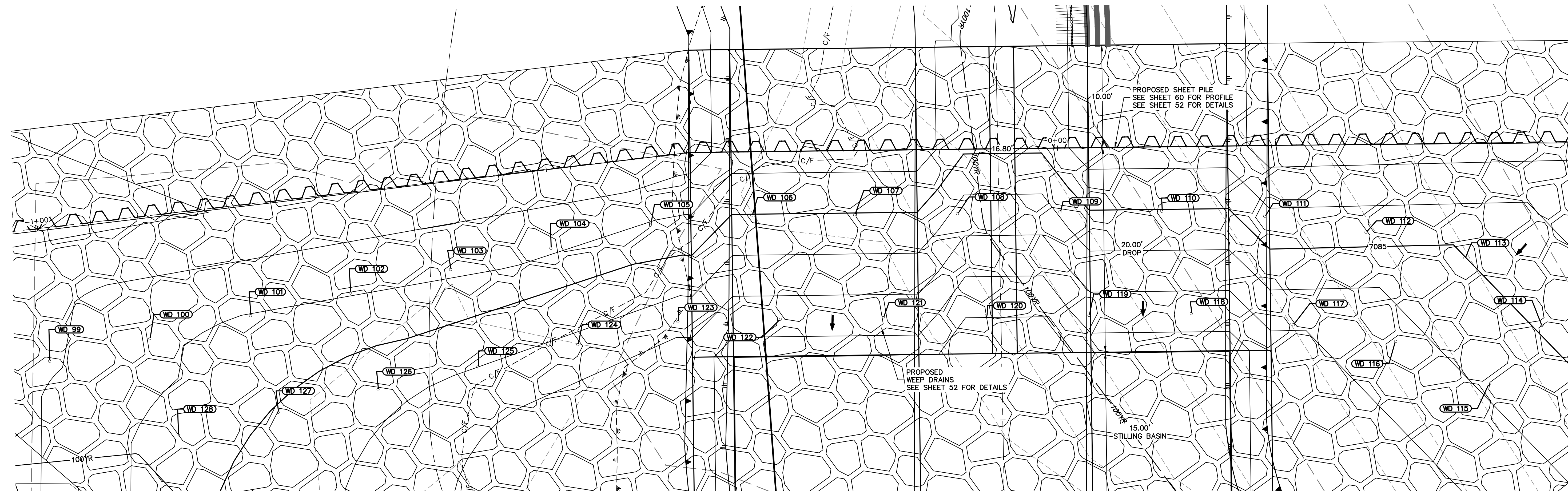


KEY MAP
SCALE: 1"=2000'

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.

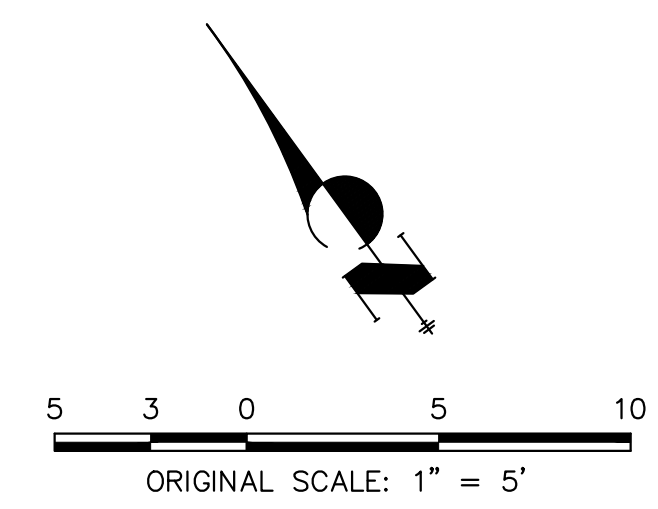
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Fort Collins 970-491-9888 • www.jrengineering.com



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



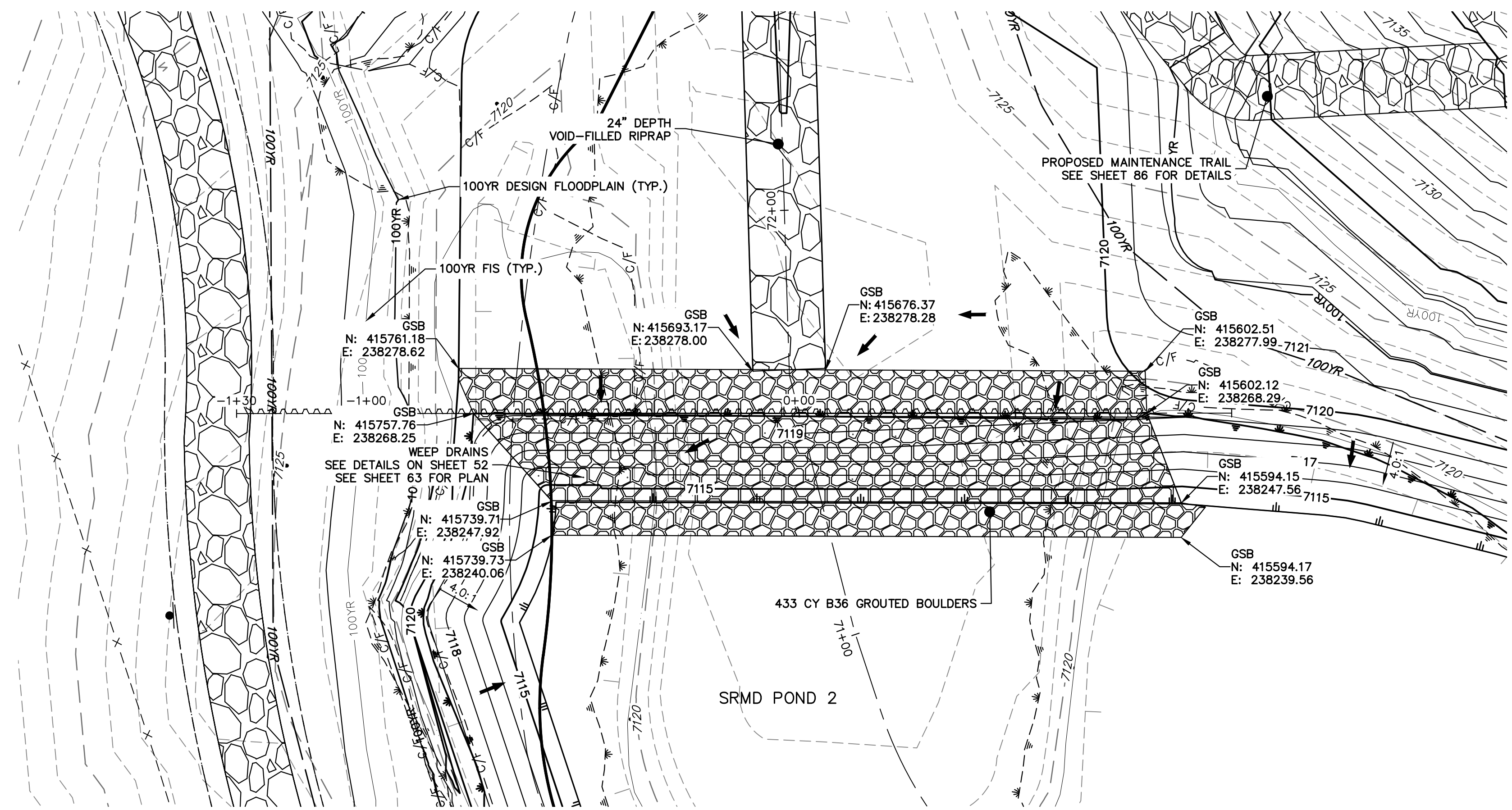
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

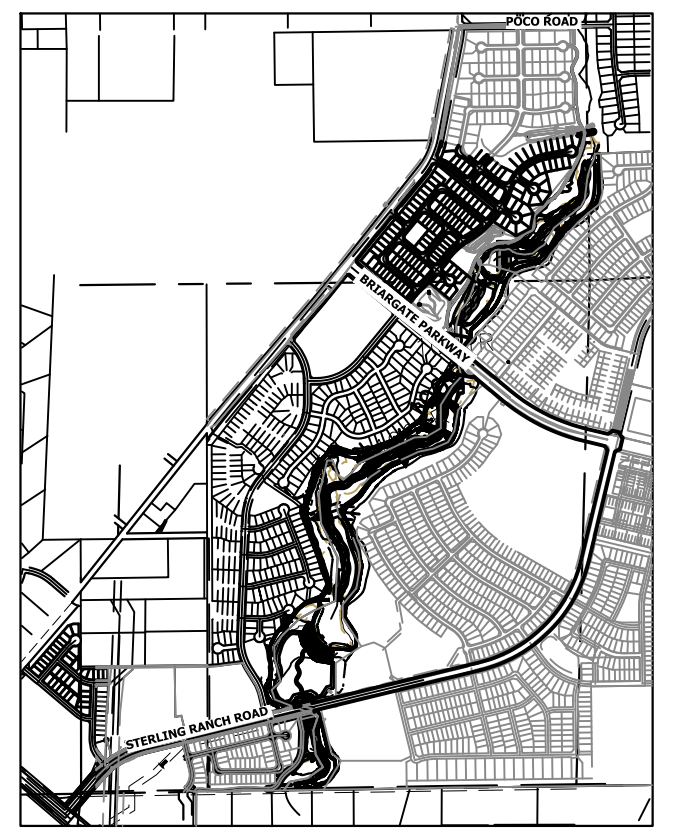
32314
4/18/23

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

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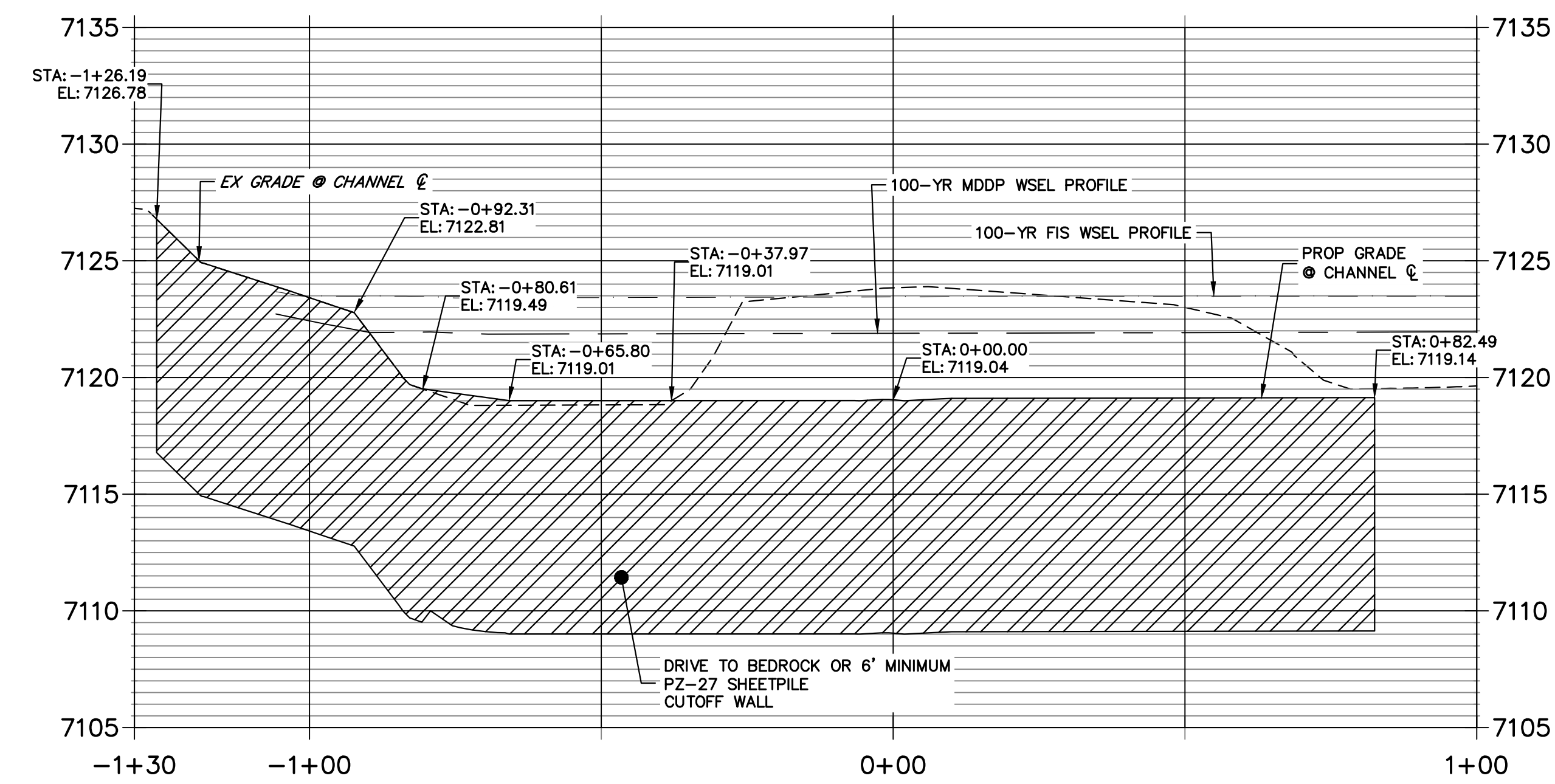


GRouted STEPPED BOULDER DROP #6 DETAIL
PLAN VIEW
SCALE: 1"=20'

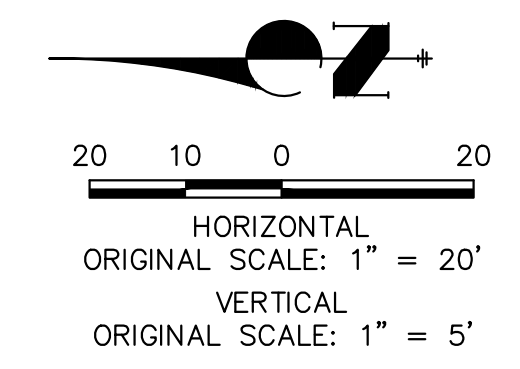
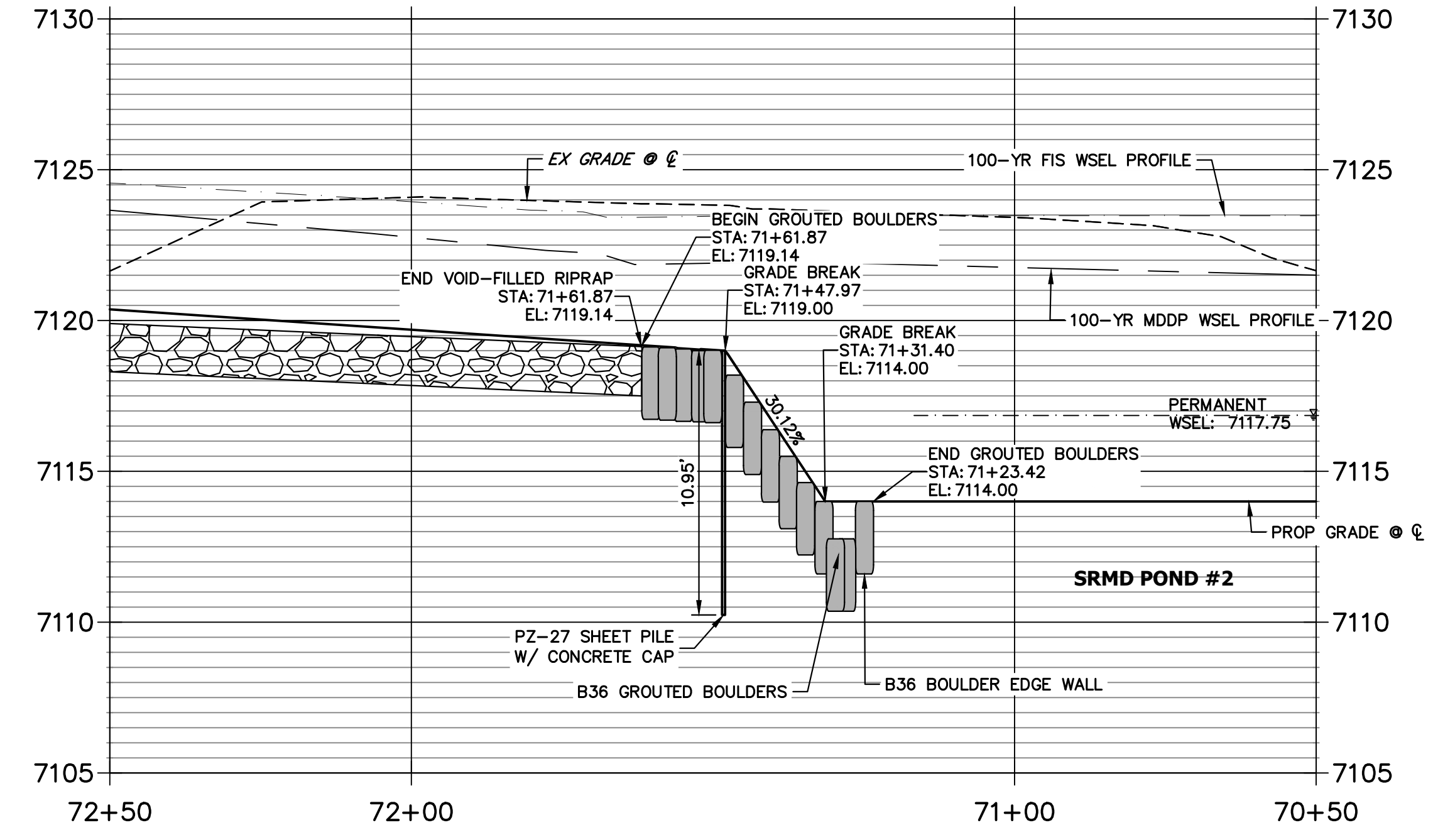


KEY MAP
SCALE: 1"=2000'

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



GSB PROFILE 6
STA 70+50.00 TO 72+50.00

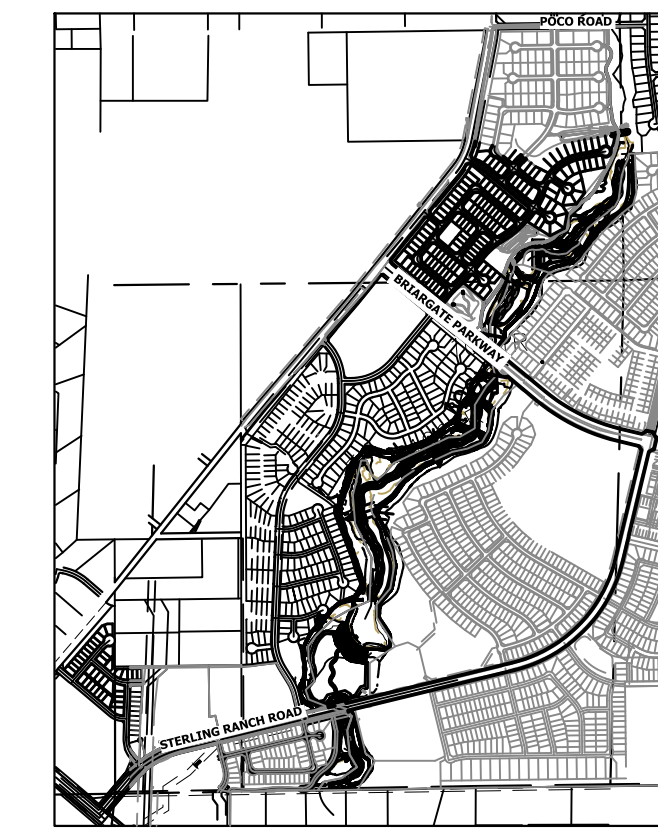


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

32314
DATE: 4/18/23

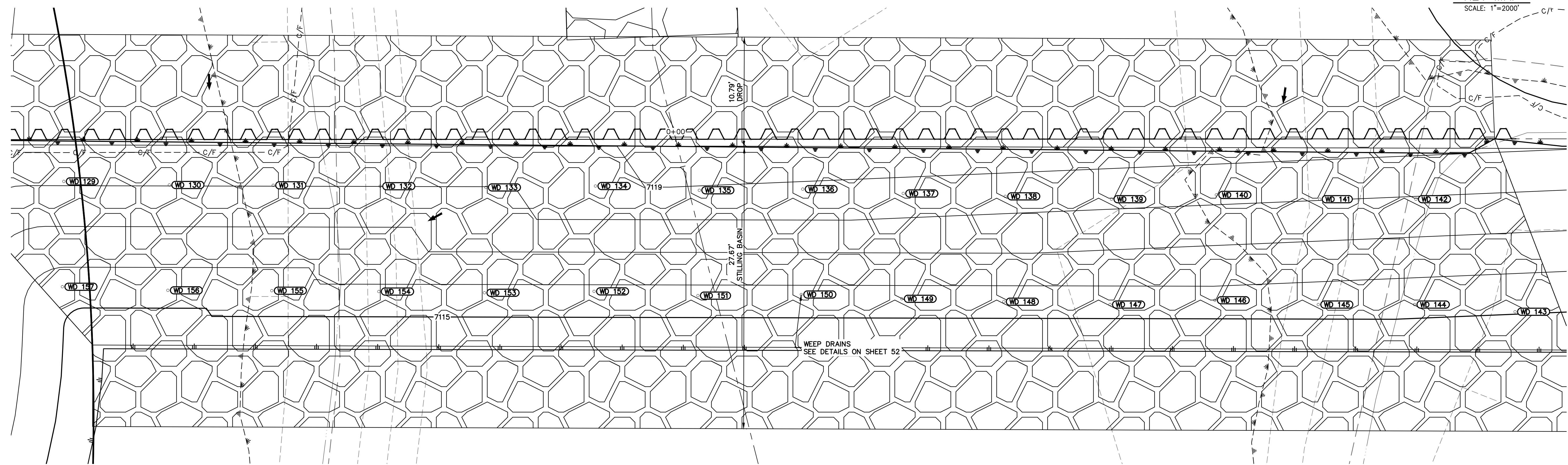
PREPARED FOR SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024	UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE. DESIGNATED BY WRITTEN AUTHORIZATION.	
	J.R. ENGINEERING A Westman 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: _____	No. _____ REVISION: _____	H-SCALE: 1"=20' V-SCALE: 1"=5' DATE: 3/30/23 DESIGNED BY: DJV DRAWN BY: NEO CHECKED BY: _____
SHEET 62 OF 121 JOB NO. 25188.04		



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.

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

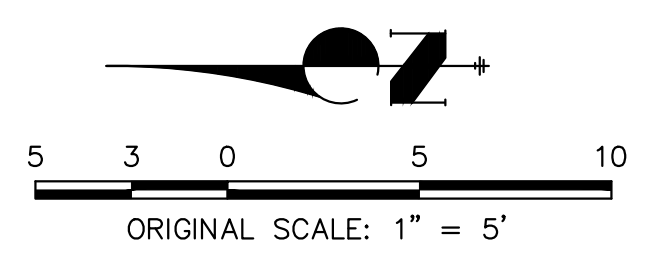
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GSB06 WEEP DRAINS PLAN VIEW
 SCALE: 1"=5'

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

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



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

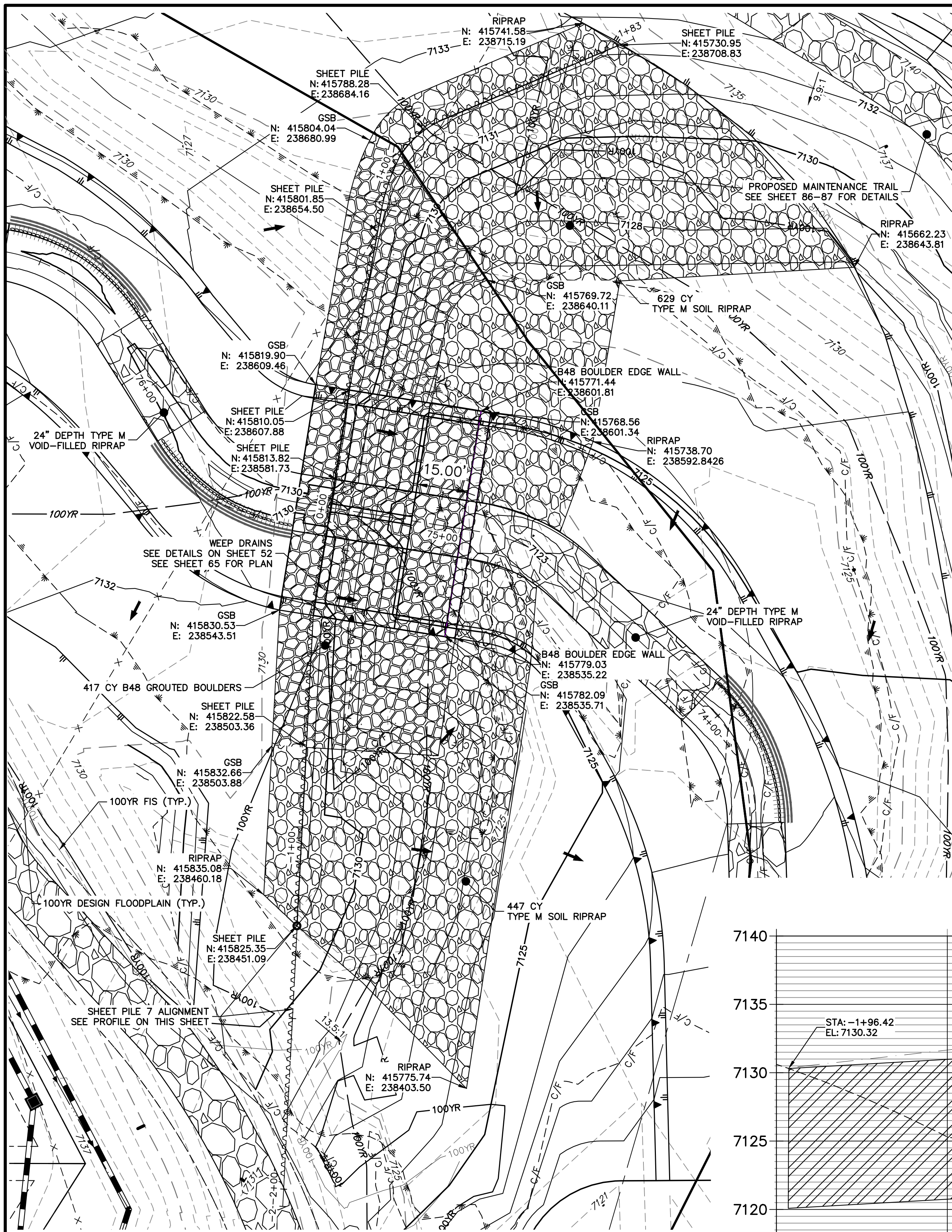
32314
 4/18/23

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

SAND CREEK RESTORATION
 GSB DETAILS

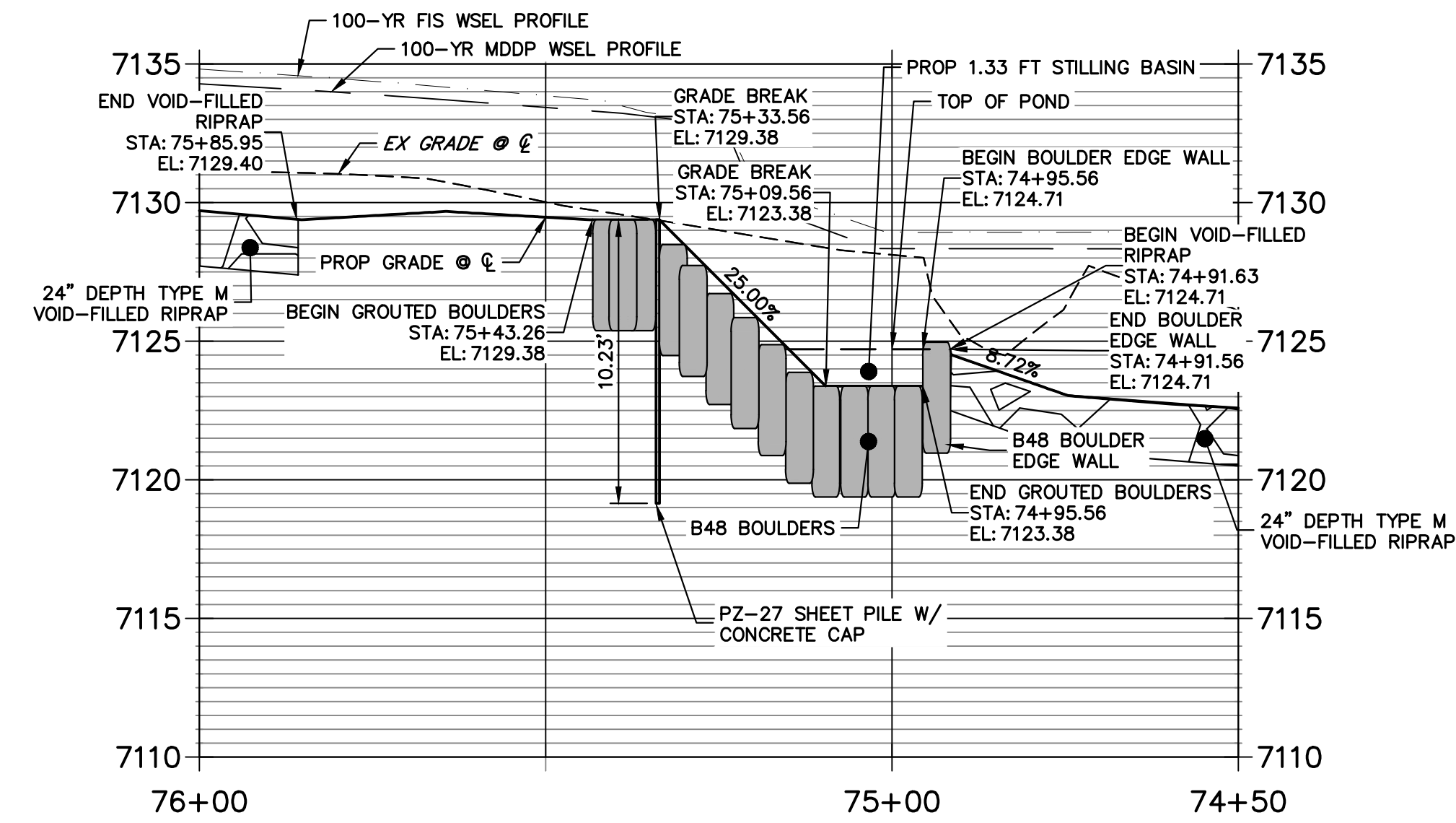
SHEET 63 OF 121
 JOB NO. 25188.04

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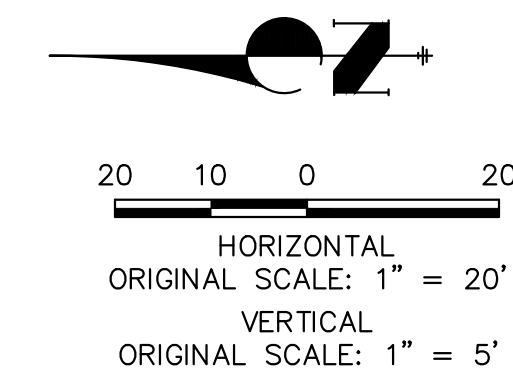
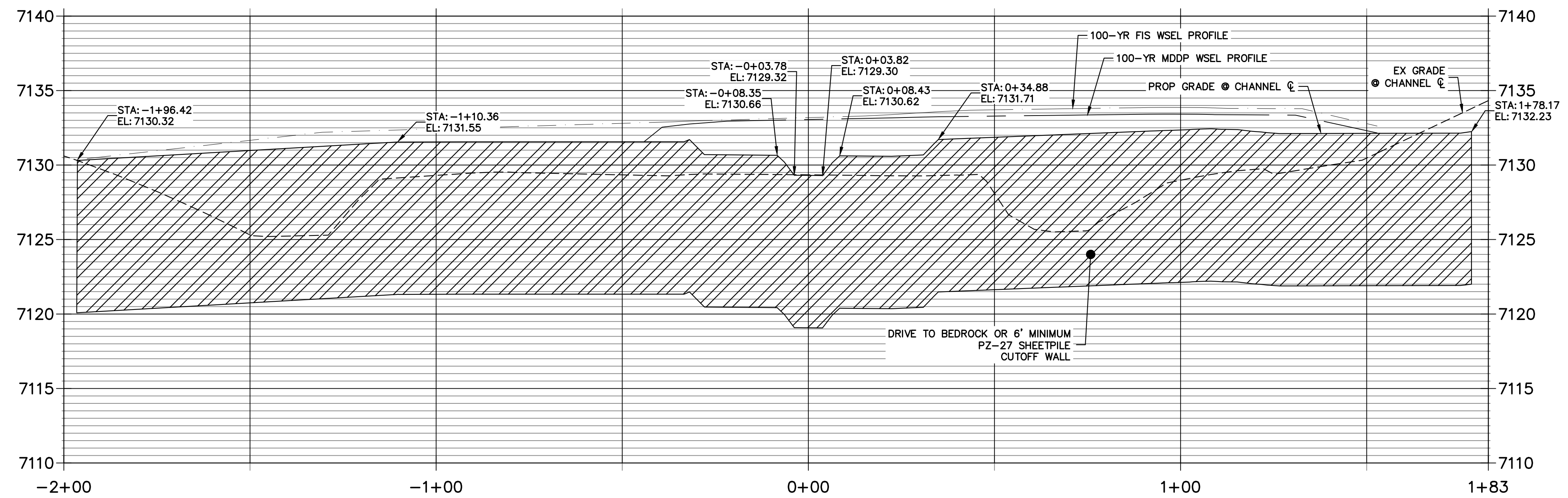


**GRouted STEPPED BOULDER DROP #7 DETAIL
PLAN VIEW**
HORIZONTAL SCALE: 1"=20'

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



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

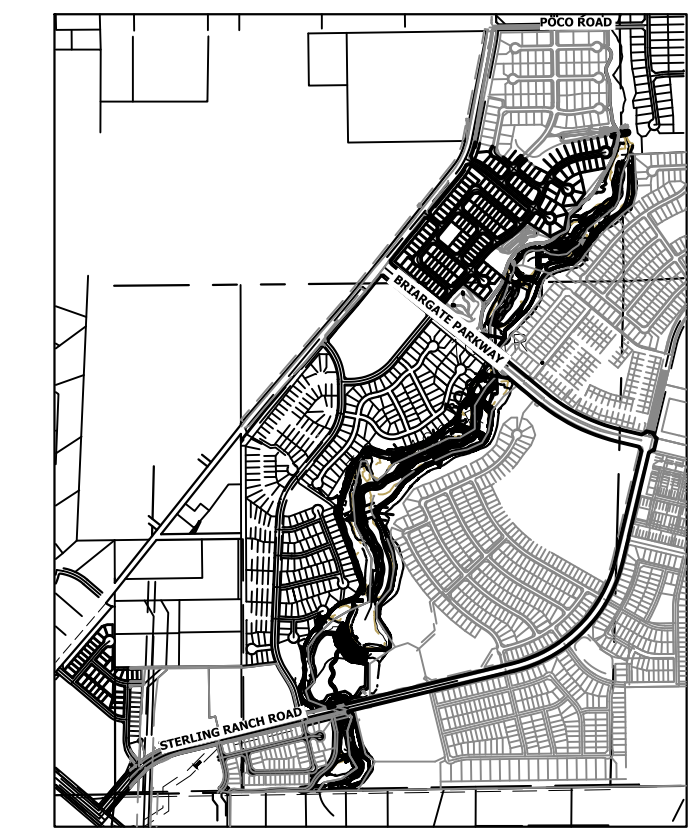


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
MIKE A. BRAMLETT, P.E.
32314
DATE: 4/18/23

FOR AND ON BEHALF OF JR ENGINEERING



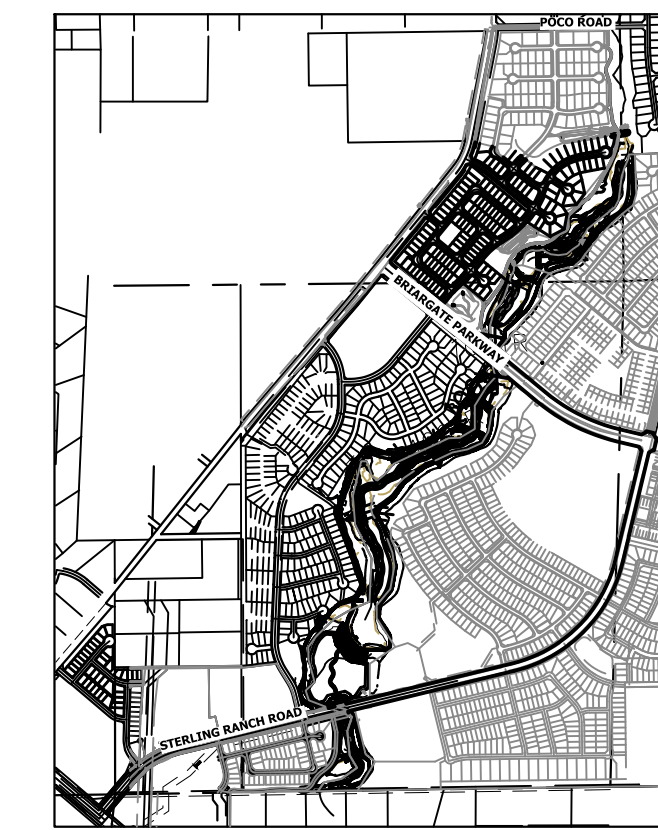
KEY MAP
SCALE: 1"=2000'

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

J.R. ENGINEERING
A Westman Company
Central 300-740-9888 • Colorado Springs 719-583-2593
Fort Collins 970-497-9888 • www.jrengineering.com

BY	DATE	NO.	REVISION

SAND CREEK RESTORATION
GSB DETAILS
SHEET 64 OF 121
JOB NO. 25188.04

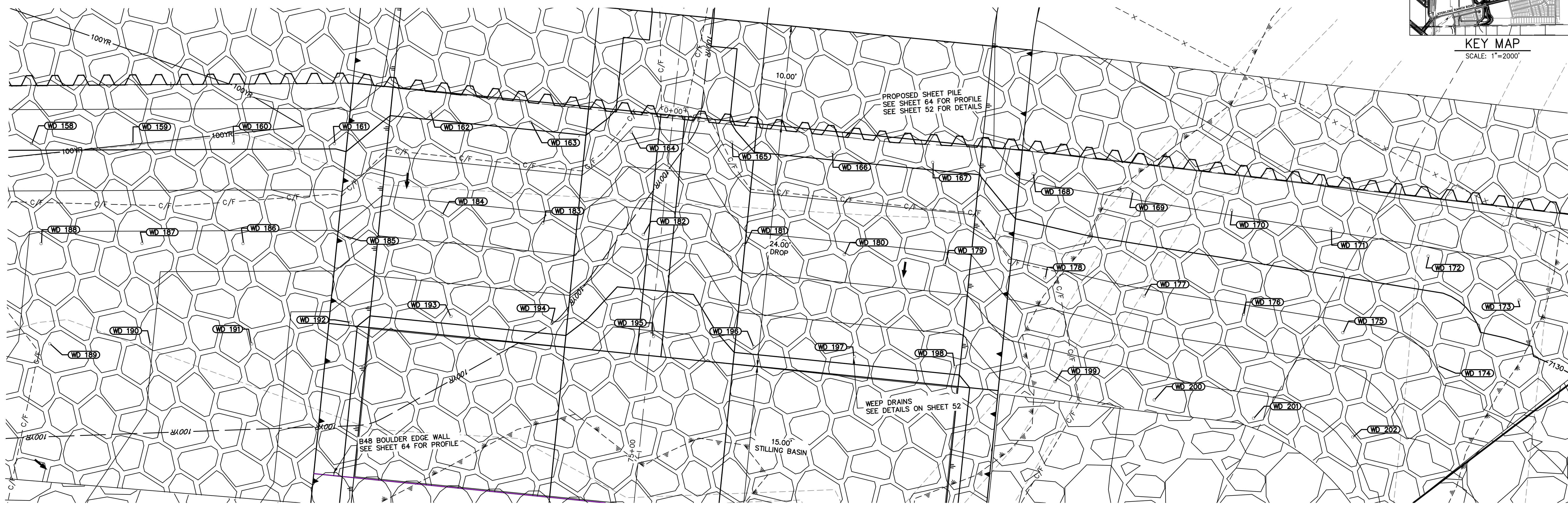


UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE. DESIGNATED BY WRITTEN AUTHORIZATION.

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

J.R. ENGINEERING
 A Weidman Company

Central 300-740-0888 • Colorado Springs 719-583-2593
 Fort Collins 970-491-9888 • www.jrengineering.com

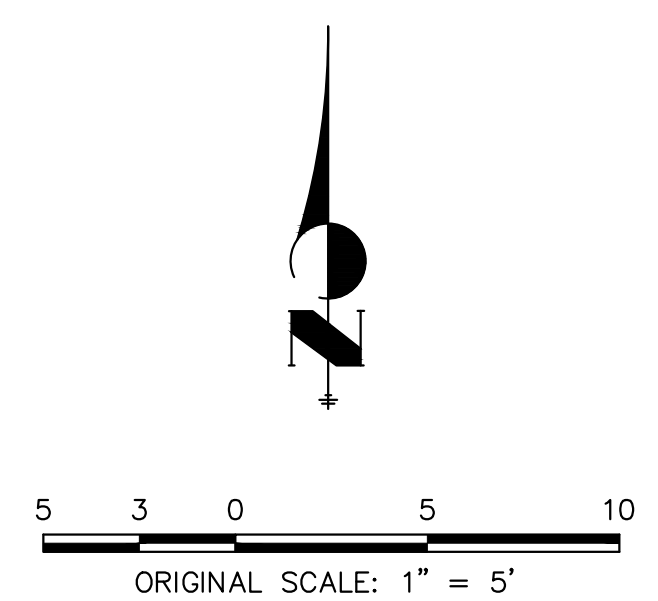


GSB07 WEEP DRAINS PLAN VIEW
 SCALE: 1"=5'

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

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

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

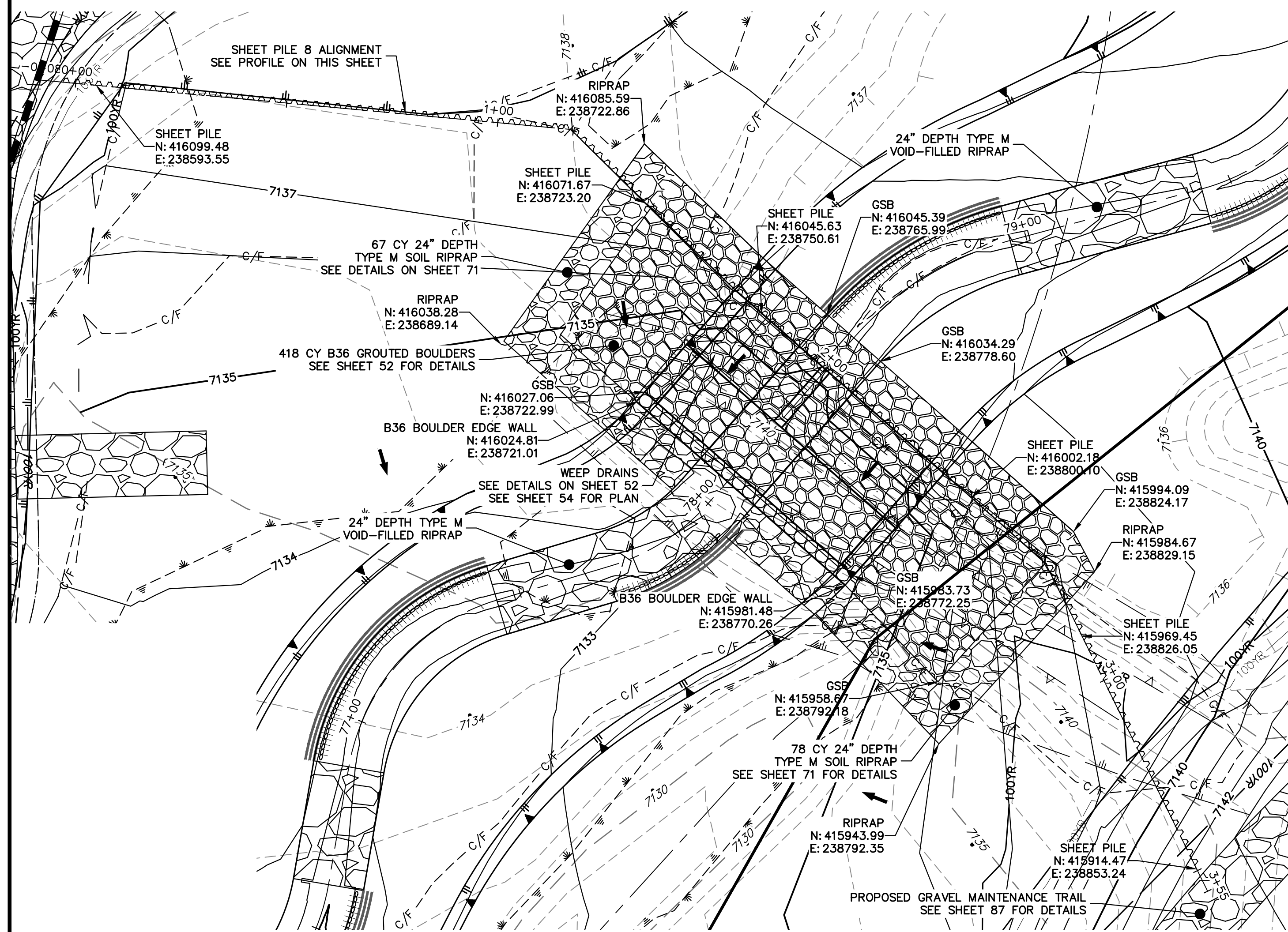
32314
 4/18/23

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

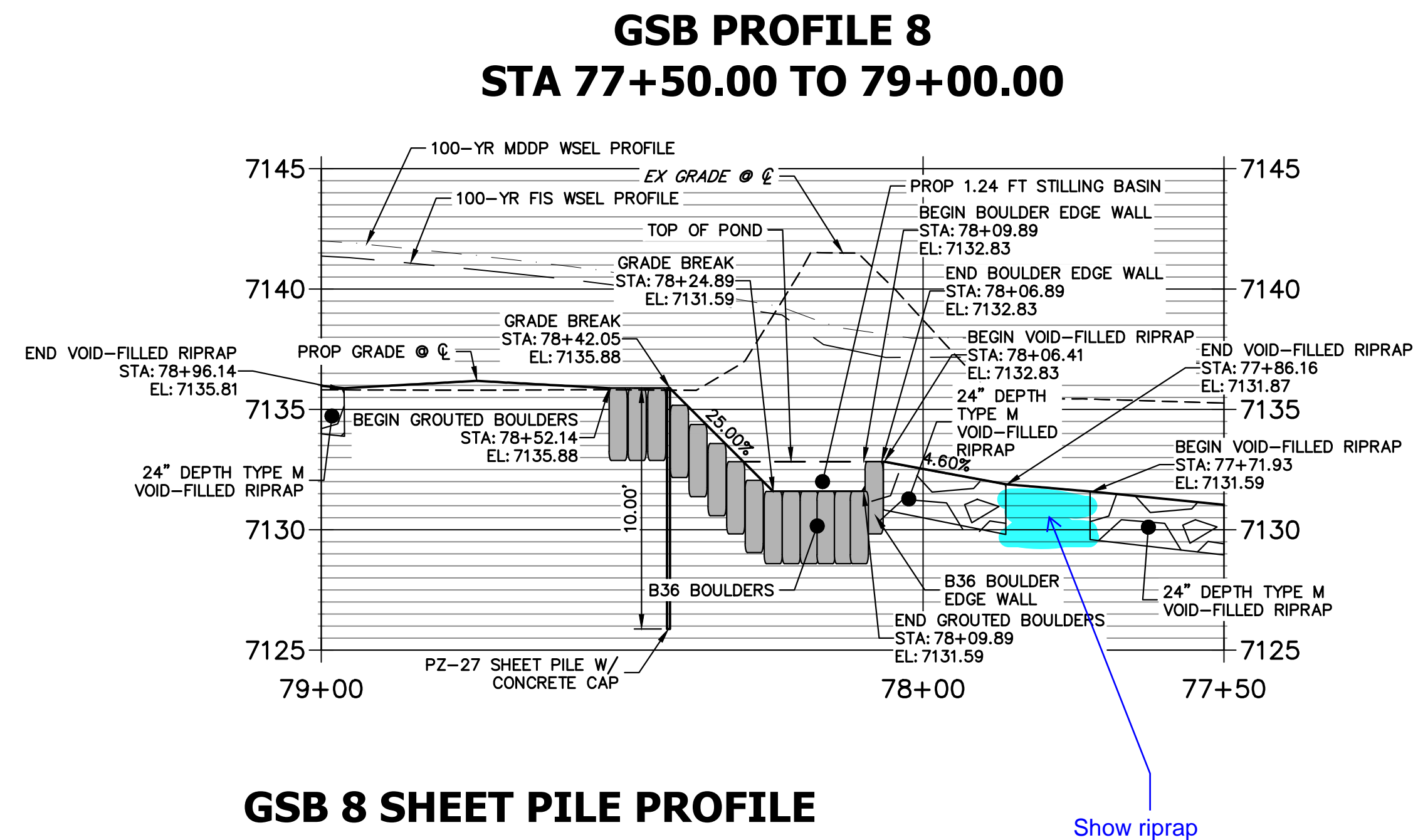
SAND CREEK RESTORATION
GSB DETAILS

SHEET 65 OF 121
 JOB NO. 25188.04

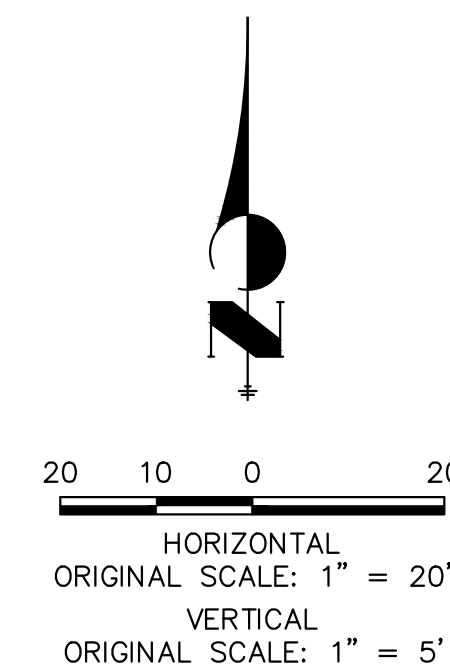
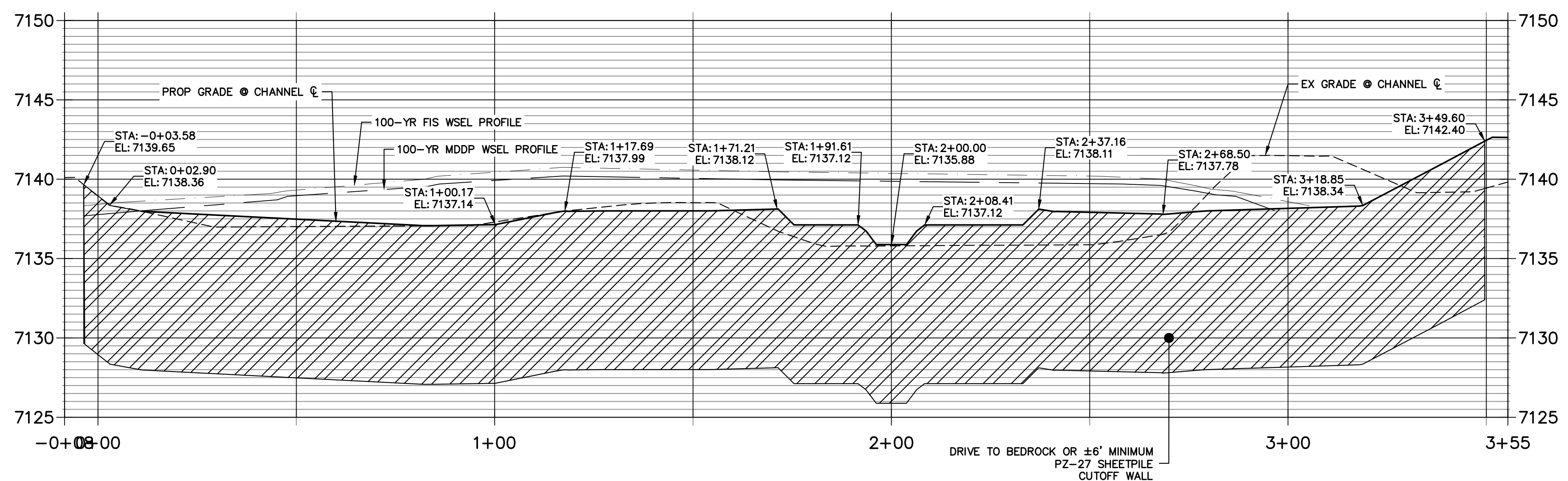
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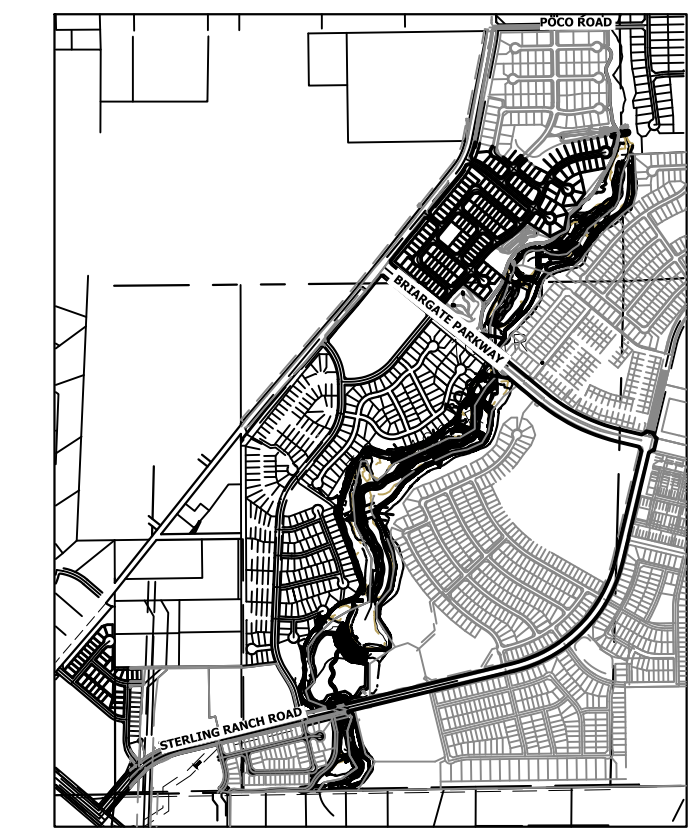
**GRouted STEPPED BOULDER DROP #8 DETAIL
PLAN VIEW**
HORIZONTAL SCALE: 1"=20'



**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
DATE: 4/18/23



UNLESS SHOWN OTHERWISE, THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR 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

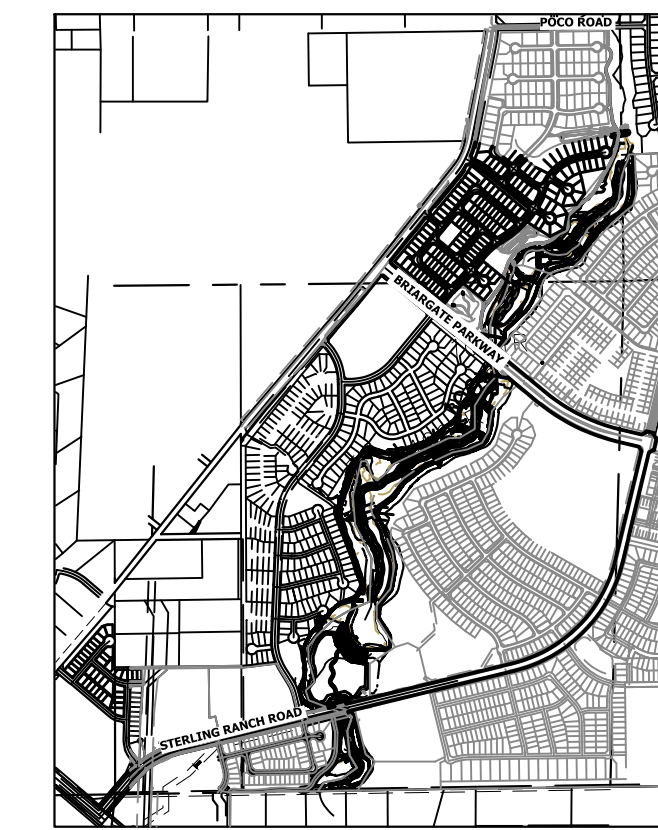
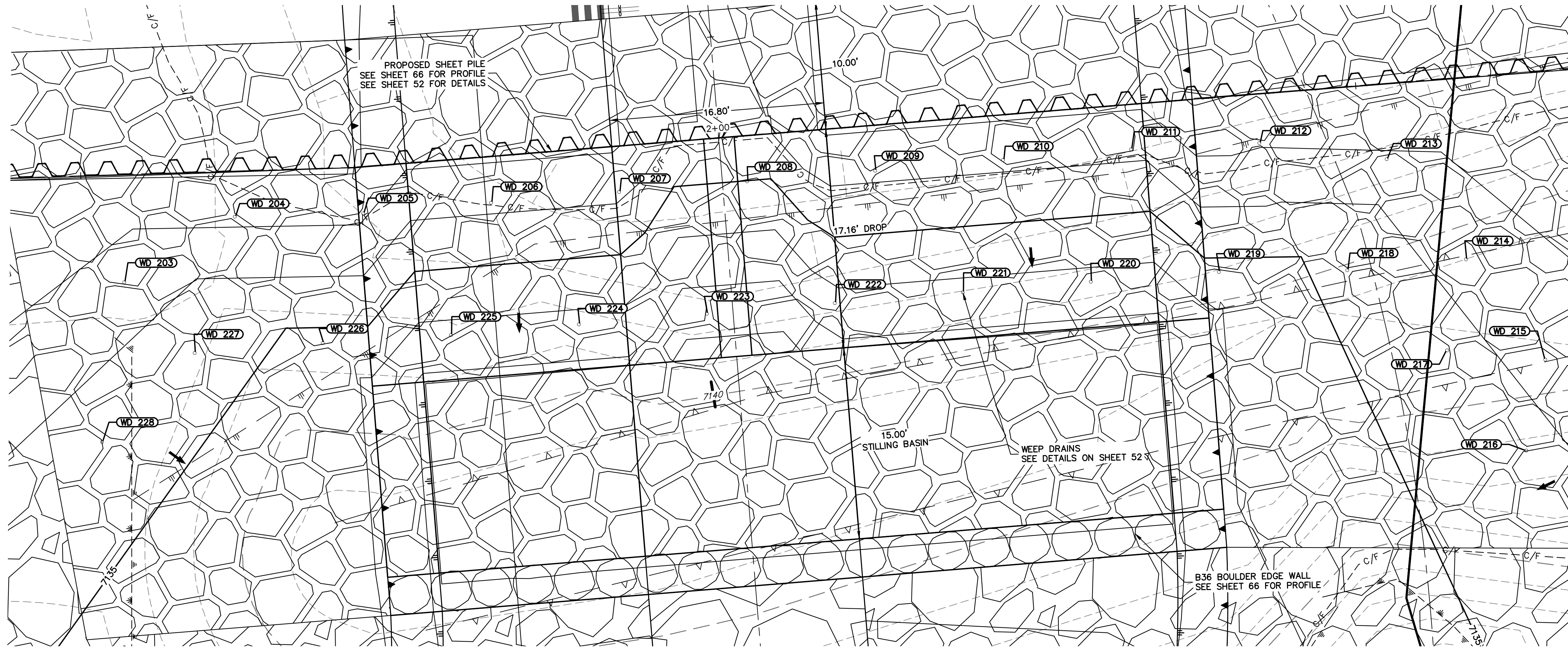
J.R. ENGINEERING
A Westman Company
Central 303-740-9383 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

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

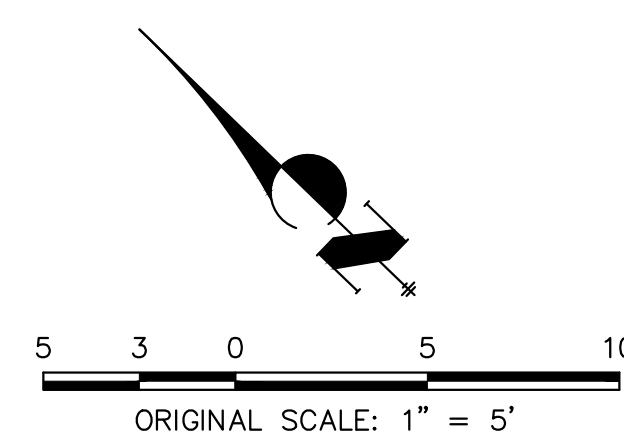
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GSB08 WEEP DRAINS PLAN VIEW
SCALE: 1"=5'

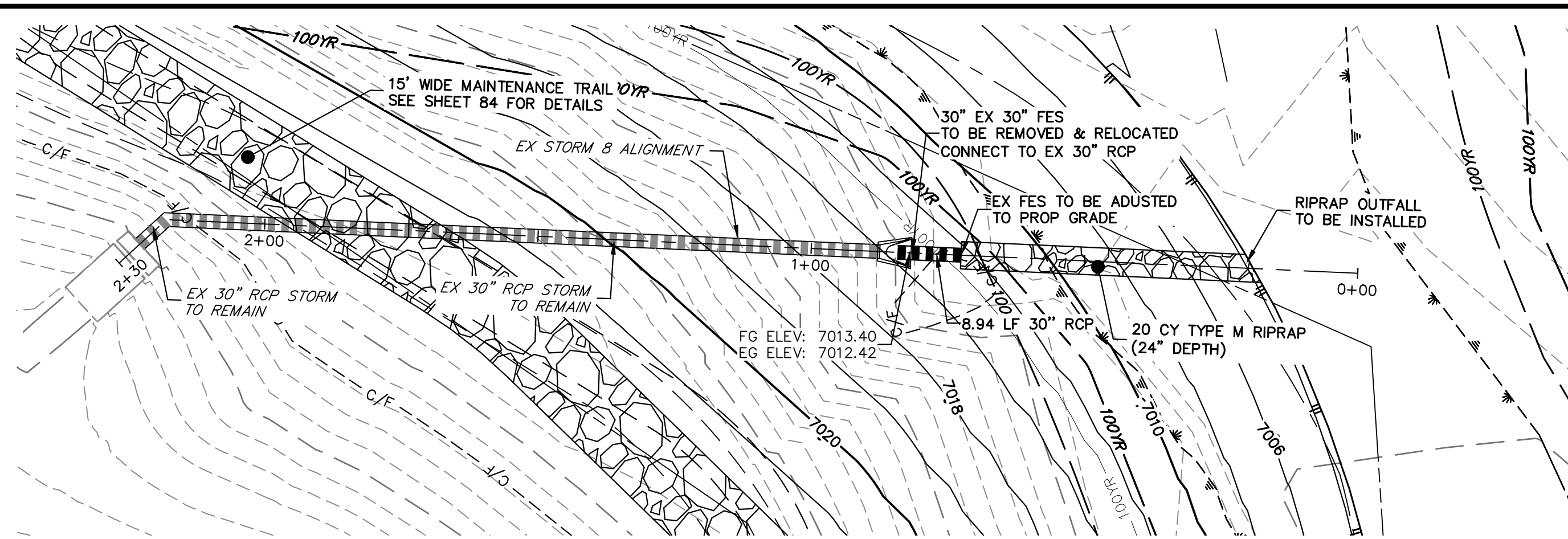
POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 203	WEEP DRAIN	N: 416057.94 E: 238725.28	7136.58
WD 204	WEEP DRAIN	N: 416055.29 E: 238734.98	7137.20
WD 205	WEEP DRAIN	N: 416048.25 E: 238742.14	7137.13
WD 206	WEEP DRAIN	N: 416041.63 E: 238749.70	7136.22
WD 207	WEEP DRAIN	N: 416035.01 E: 238757.25	7136.17
WD 208	WEEP DRAIN	N: 416028.39 E: 238764.81	7134.99
WD 209	WEEP DRAIN	N: 416021.77 E: 238772.37	7136.23
WD 210	WEEP DRAIN	N: 416015.15 E: 238779.92	7136.23
WD 211	WEEP DRAIN	N: 416008.53 E: 238787.48	7136.24
WD 212	WEEP DRAIN	N: 416001.65 E: 238794.80	7137.08
WD 213	WEEP DRAIN	N: 415993.62 E: 238800.82	7136.84
WD 214	WEEP DRAIN	N: 415983.71 E: 238799.49	7136.43
WD 215	WEEP DRAIN	N: 415973.79 E: 238798.16	7136.43
WD 216	WEEP DRAIN	N: 415969.91 E: 238792.01	7135.61
WD 217	WEEP DRAIN	N: 415979.82 E: 238793.34	7135.61

POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 218	WEEP DRAIN	N: 415989.79 E: 238792.42	7135.30
WD 219	WEEP DRAIN	N: 415996.92 E: 238785.35	7134.72
WD 220	WEEP DRAIN	N: 416003.60 E: 238777.84	7133.72
WD 221	WEEP DRAIN	N: 416010.22 E: 238770.28	7133.72
WD 222	WEEP DRAIN	N: 416016.84 E: 238762.73	7133.64
WD 223	WEEP DRAIN	N: 416023.46 E: 238755.17	7132.47
WD 224	WEEP DRAIN	N: 416030.08 E: 238747.62	7133.71
WD 225	WEEP DRAIN	N: 416036.70 E: 238740.06	7133.70
WD 226	WEEP DRAIN	N: 416043.48 E: 238732.65	7134.70
WD 227	WEEP DRAIN	N: 416050.14 E: 238725.13	7135.59
WD 228	WEEP DRAIN	N: 416050.52 E: 238715.08	7135.82



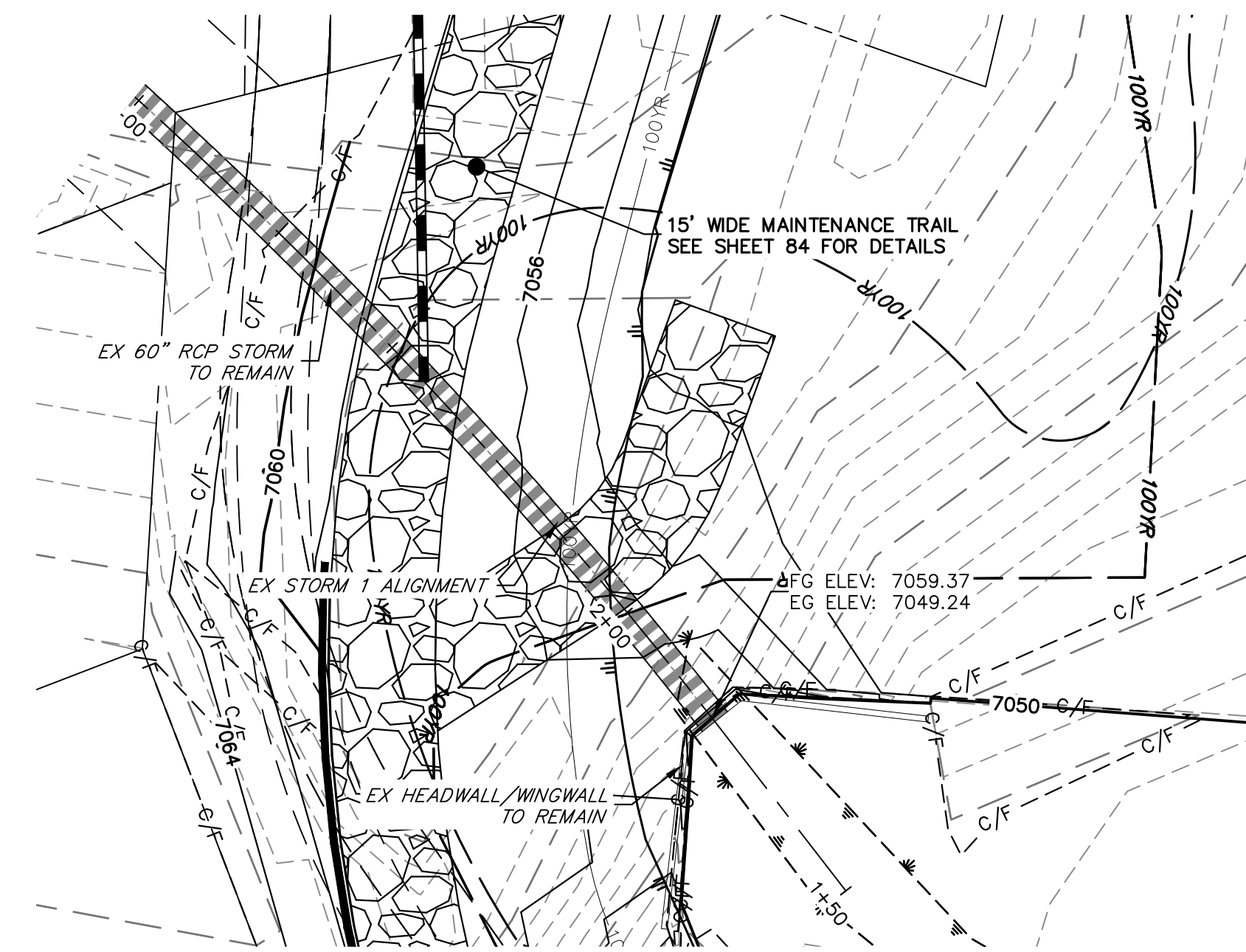
ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION
 Mike Bramlett
 MIKE A. BRAMLETT
 32314
 4/18/23
 COLORADO REGISTERED PROFESSIONAL ENGINEER
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR 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 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com					
BY	DATE				
No.	REVISION				
H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=5'	N/A	4/18/23	DJV	NEO	
SAND CREEK RESTORATION GSB DETAILS					
SHEET 67 OF 121 JOB NO. 25188.04					



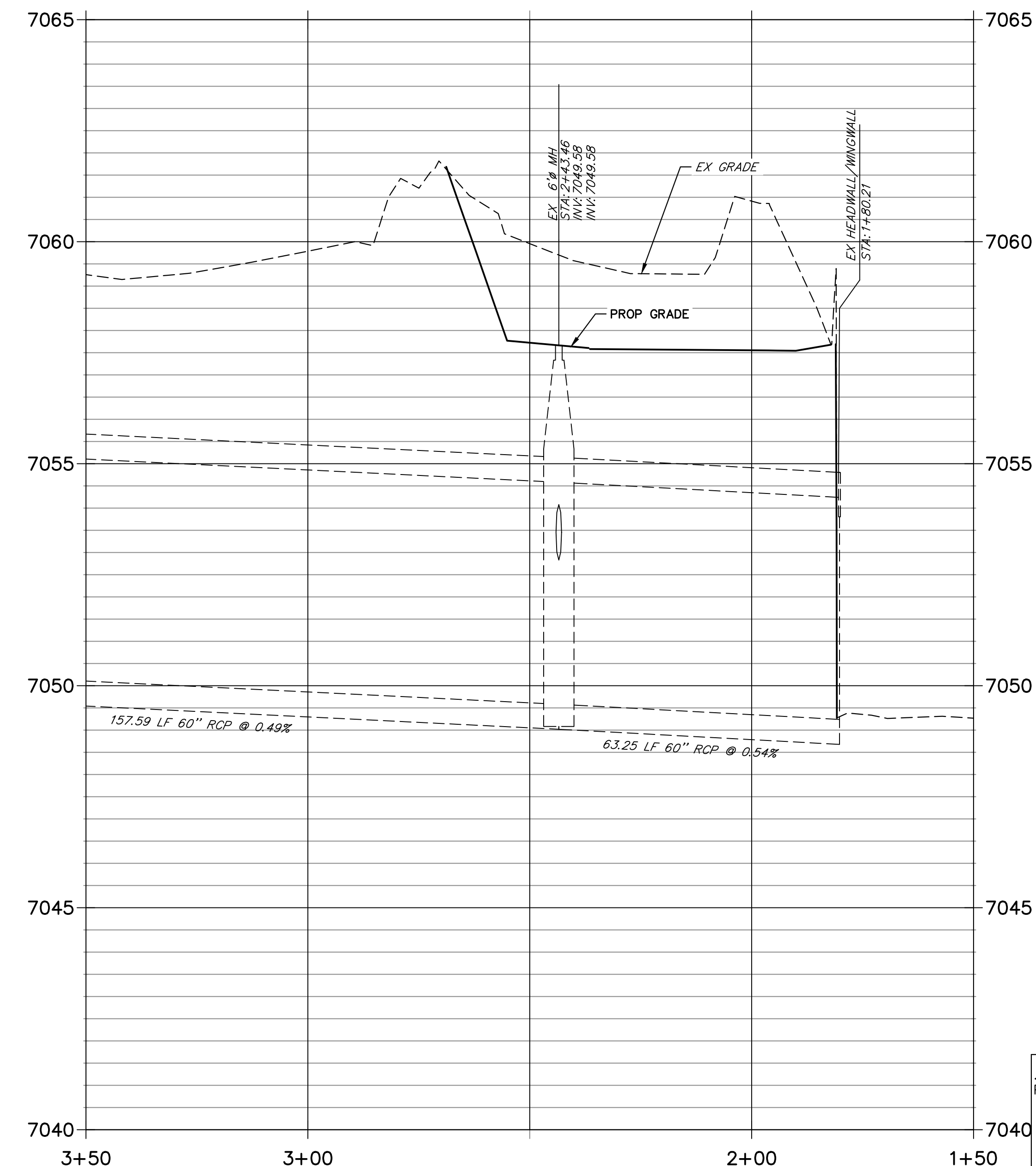
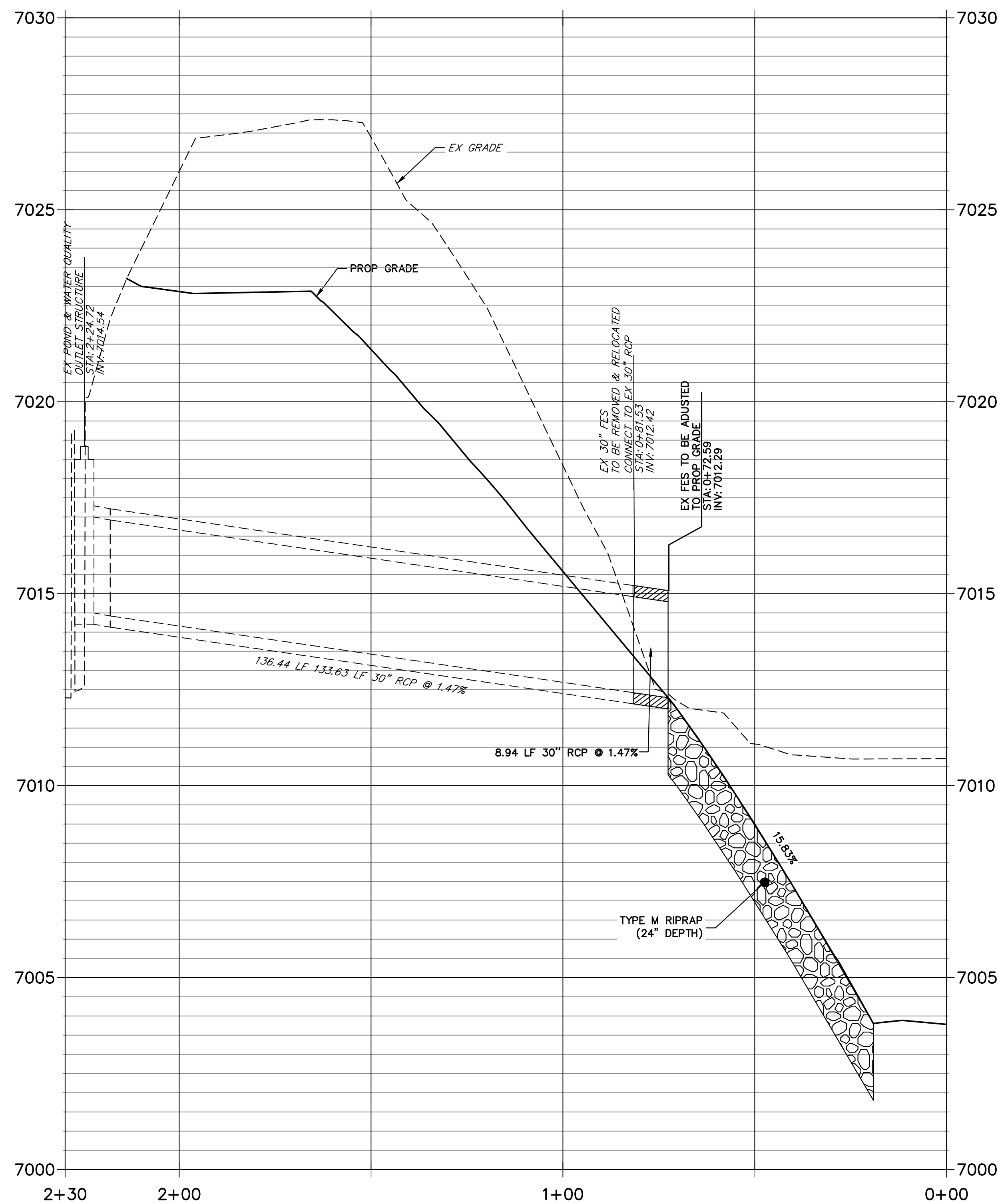
SEE STERLING RANCH FILING NO. 1 PLANS FOR AS BUILT
(BY M&S CIVIL)

**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

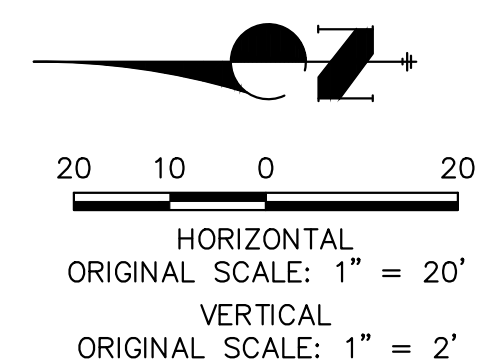
1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "3853" AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PANNEE RANCHEROS SUBDIVISION
NORTHING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



Know what's below.
Call before you dig.

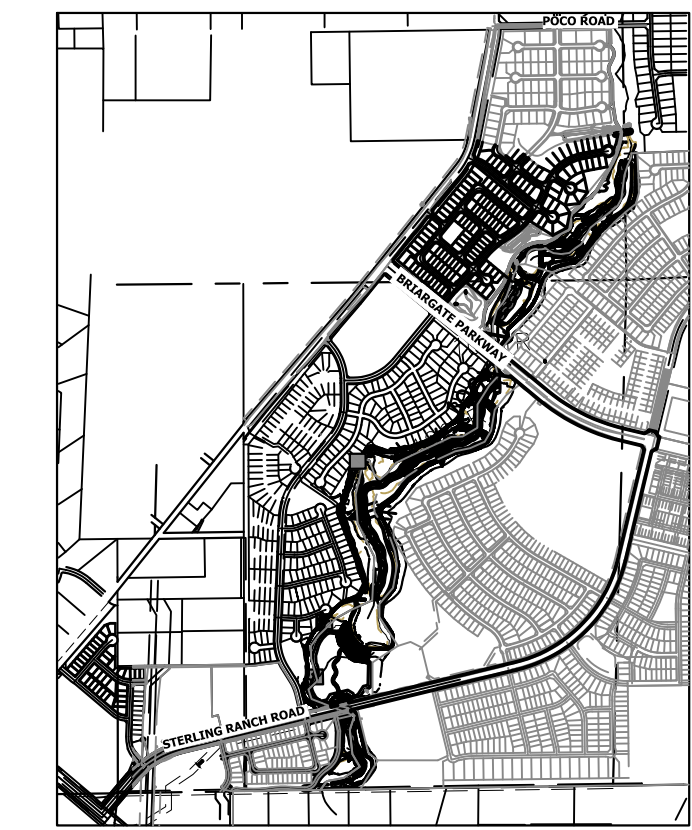


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

MIKE A. BRAMLETT, P.E.
32314
DATE 4/18/23

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



KEY MAP
SCALE: 1"=2000'

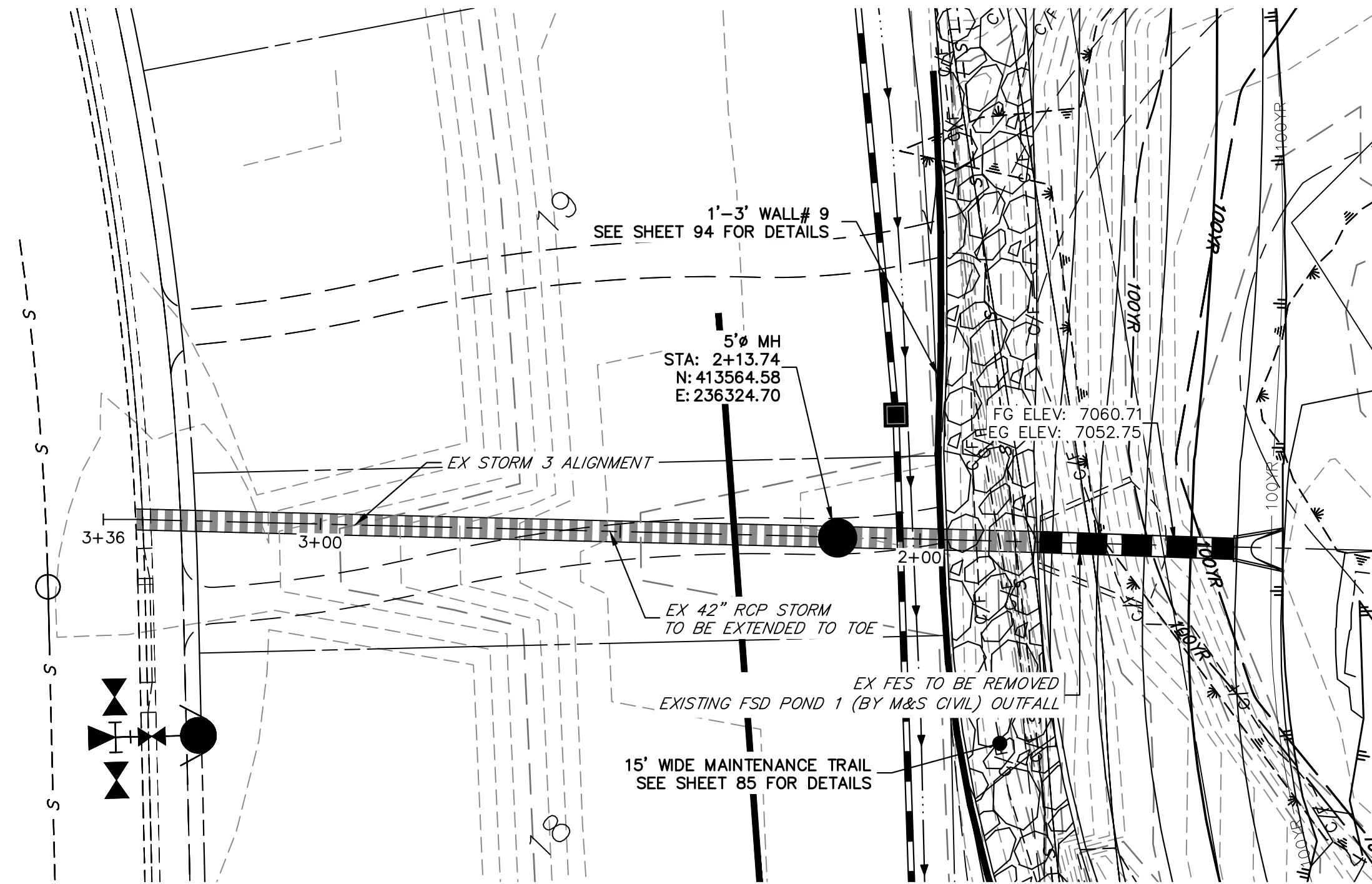
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
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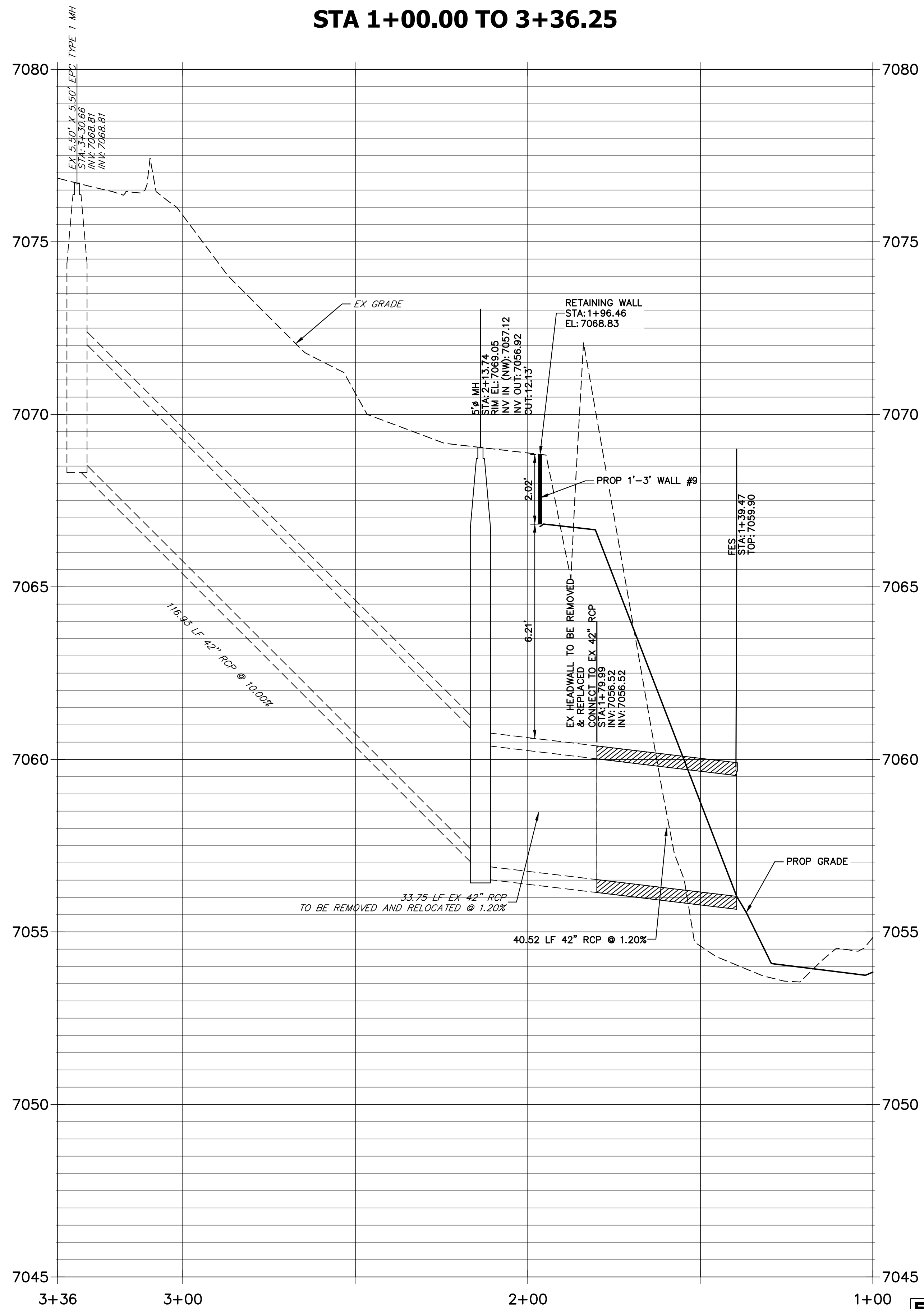
BY	DATE	No.	REVISION

SAND CREEK RESTORATION
STORM PLAN & PROFILE
SHEET 68 OF 121
JOB NO. 25188.04



SEE HOMESTEAD AT STERLING RANCH FILING NO. 2 PLANS FOR AS BUILTS (BY M&S CIVIL)

EX STORM 3 STA 1+00.00 TO 3+36.25

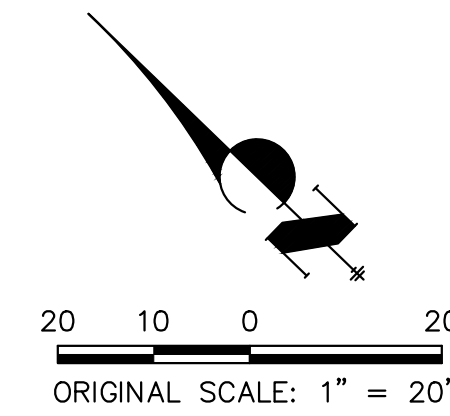


BENCHMARK

- 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 = 411389.962
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 SOUTEAST 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.

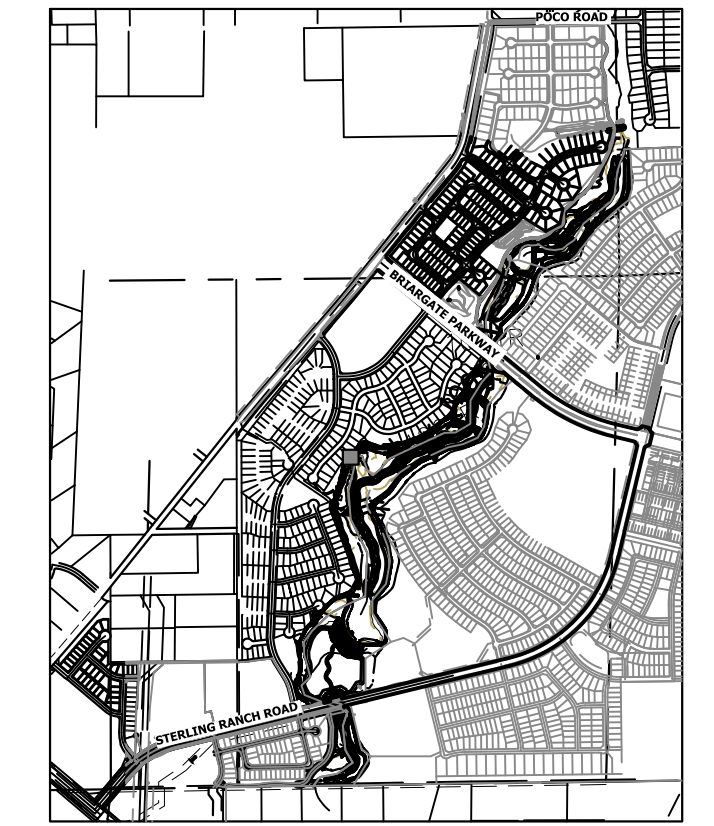


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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

32314
DATE 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

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"=20'

V-SCALE 1"=2'

DATE 4/18/23

DESIGNED BY DJV

DRAWN BY NEO

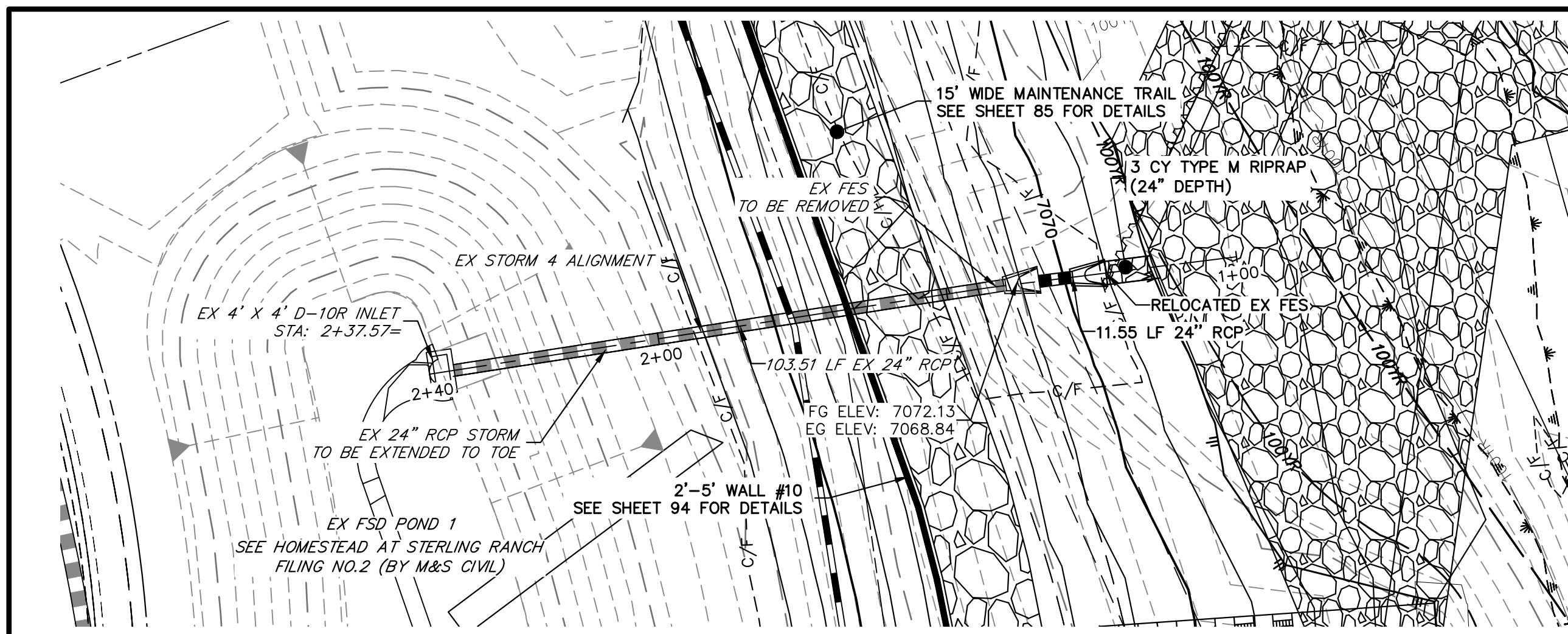
CHECKED BY

SAND CREEK RESTORATION

STORM PLAN & PROFILE

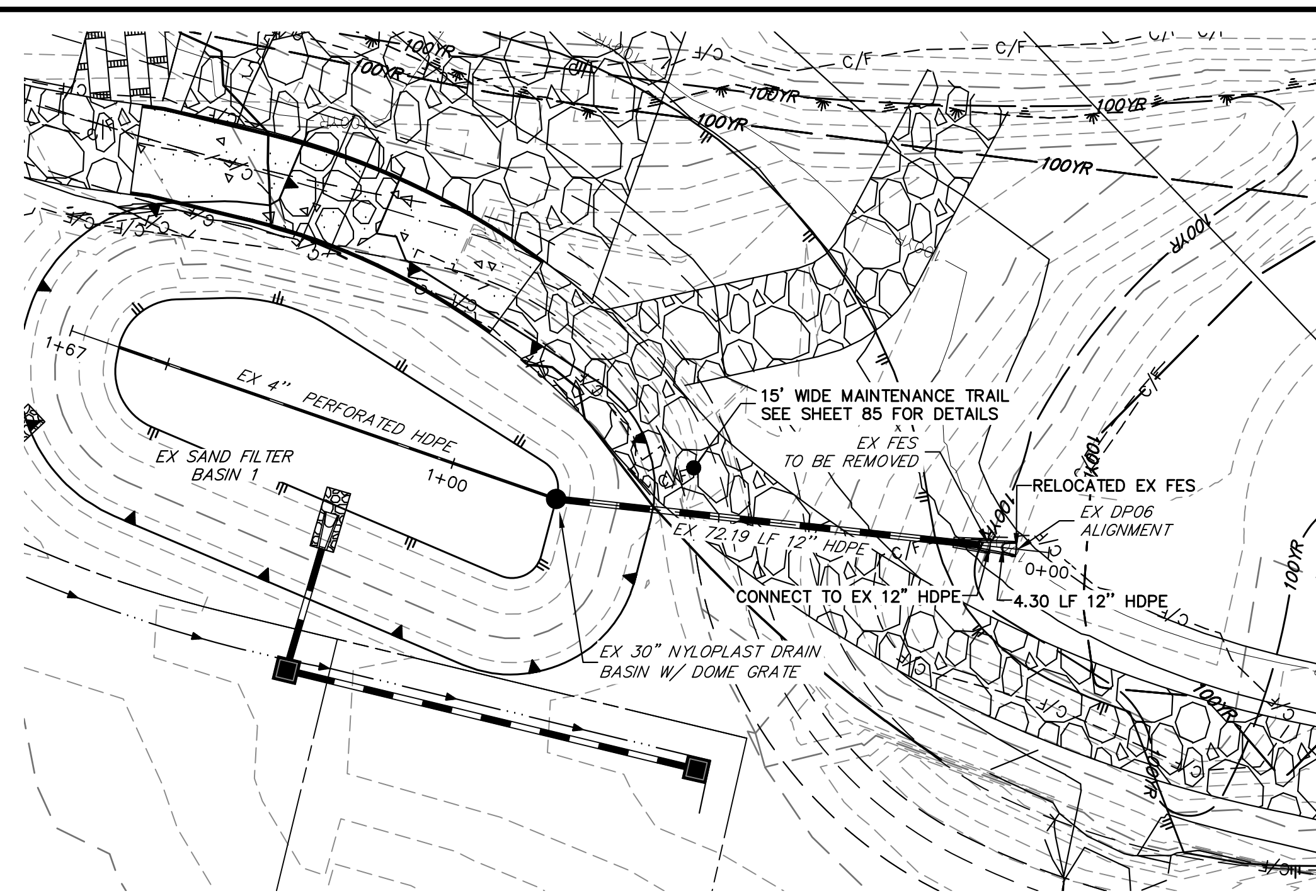
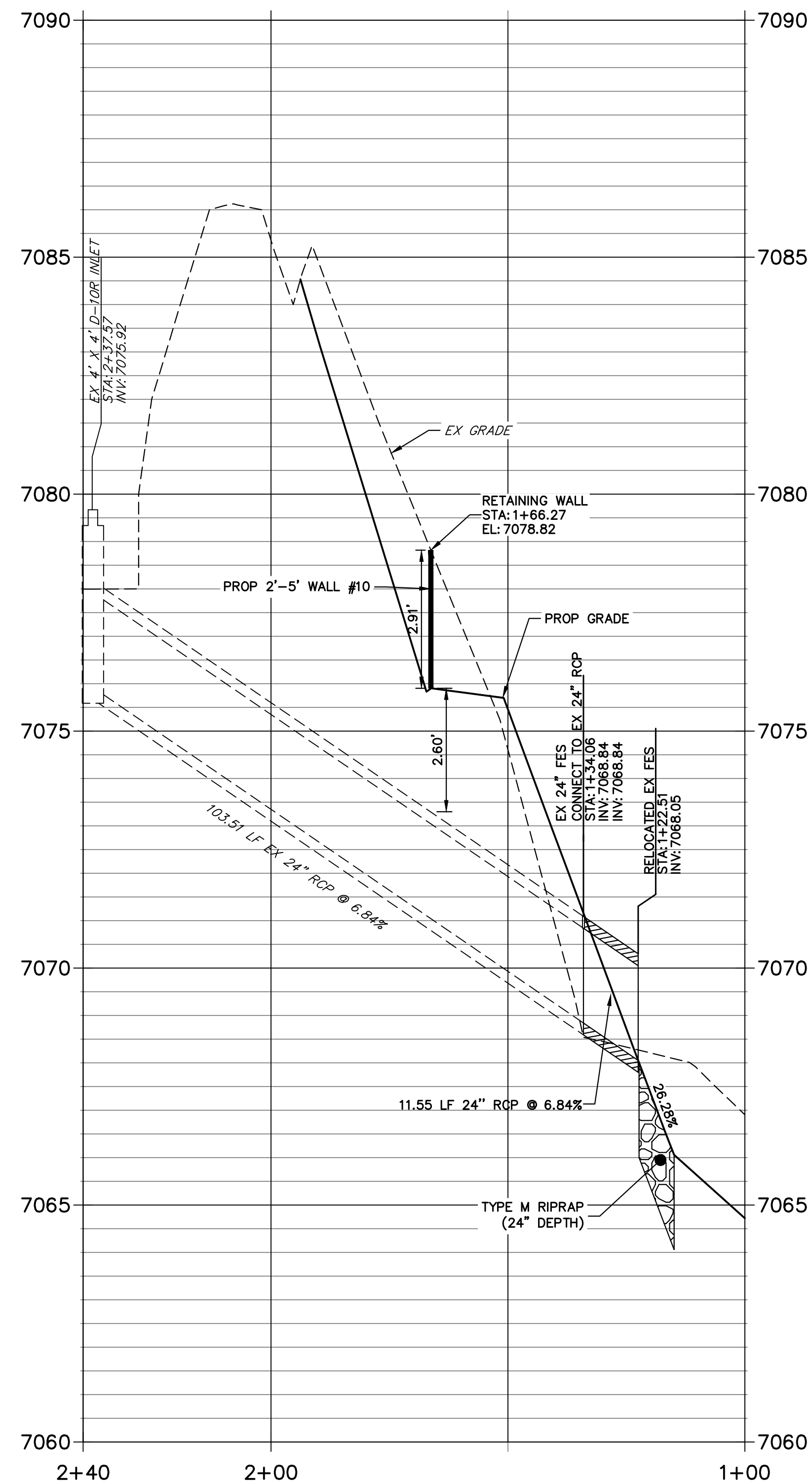
SHEET 69 OF 121

JOB NO. 25188.04



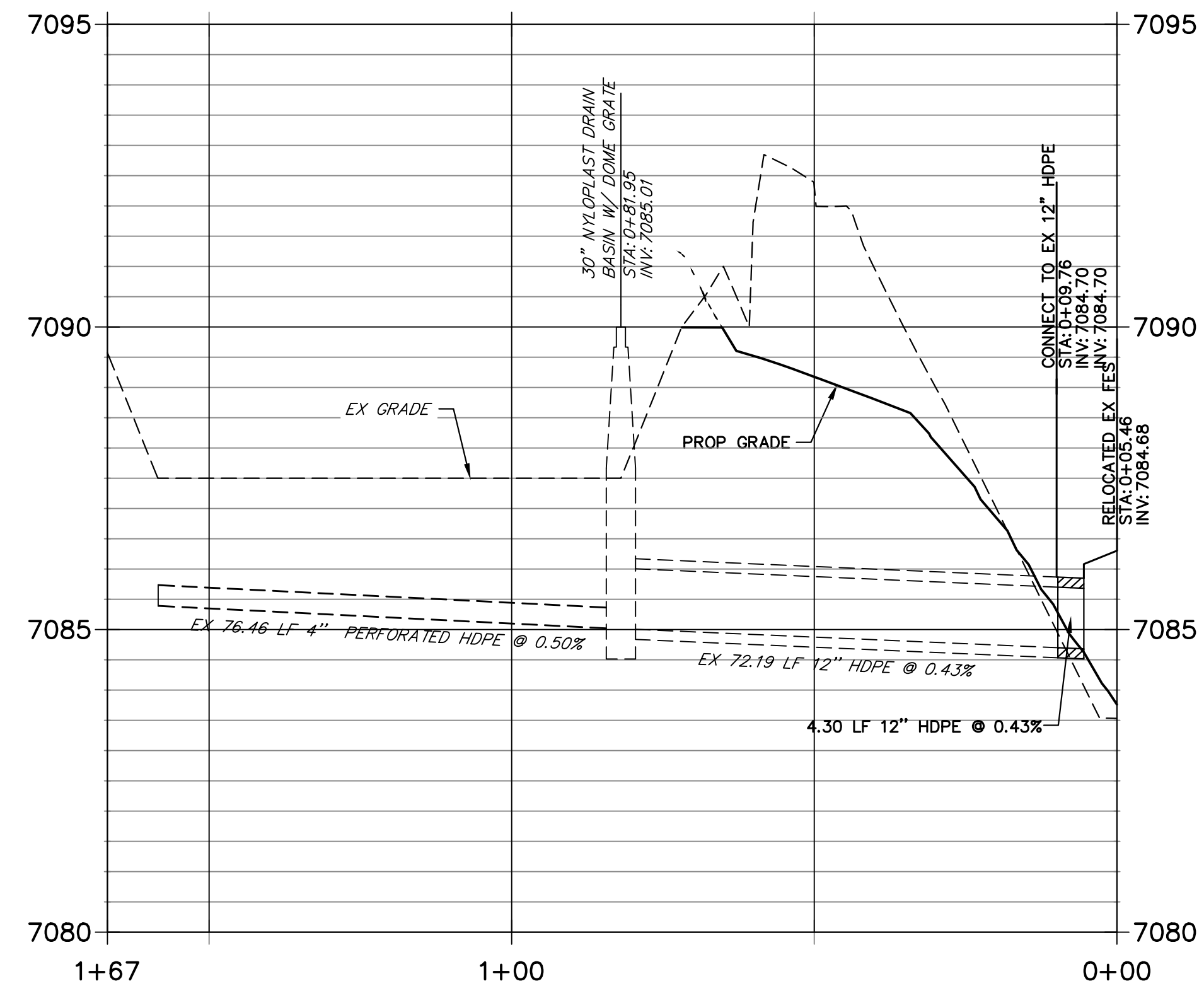
SEE STERLING RANCH FILING NO. 1 PLANS FOR AS BUILTS
(BY M&S CIVIL)

**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

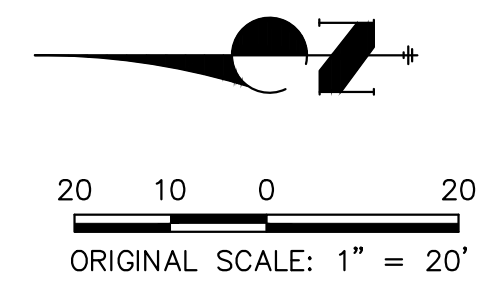
1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION
NORTHING = 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 = 235849.817
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 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.



Know what's below.
Call before you dig.

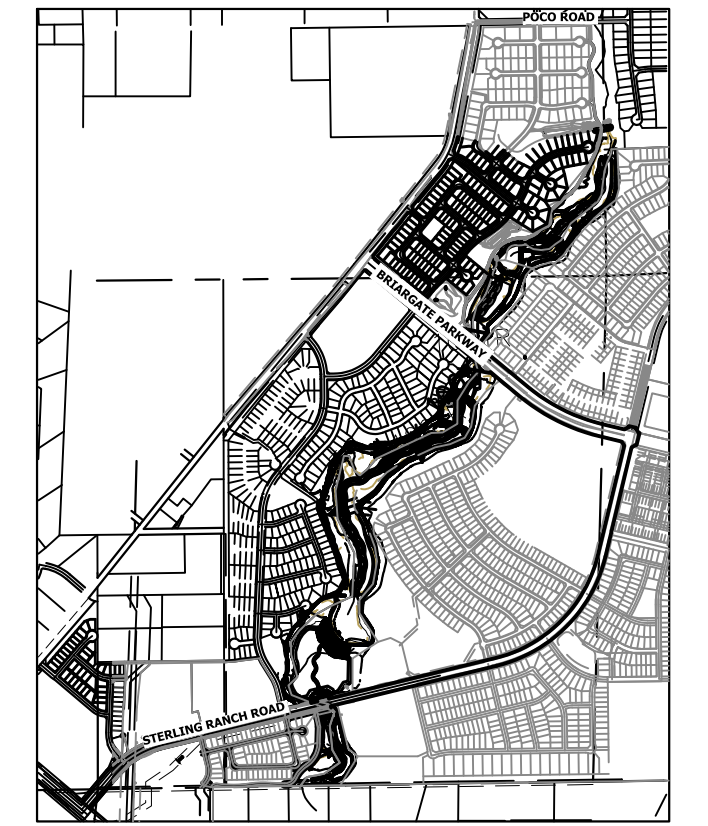


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

MIKE A. BRAMLETT, P.E.
32314
DATE 4/18/23

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



KEY MAP
SCALE: 1"=2000'

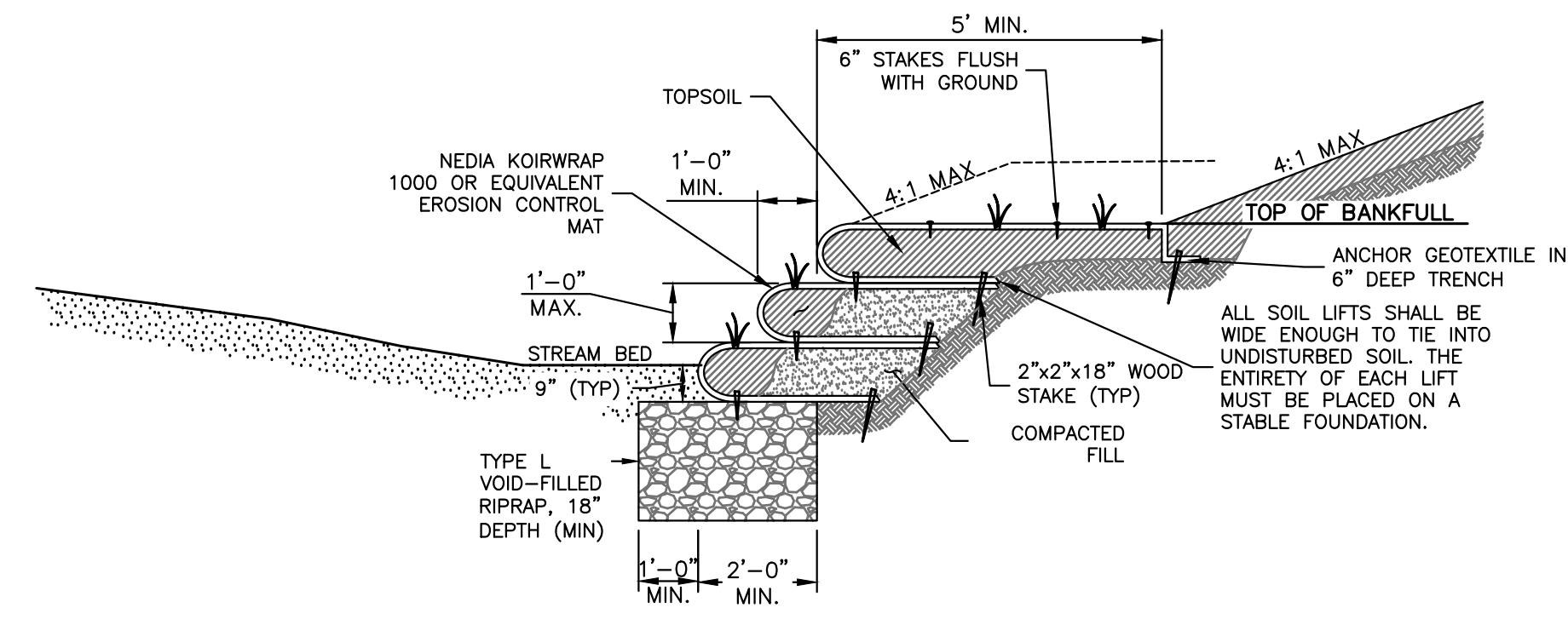
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

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

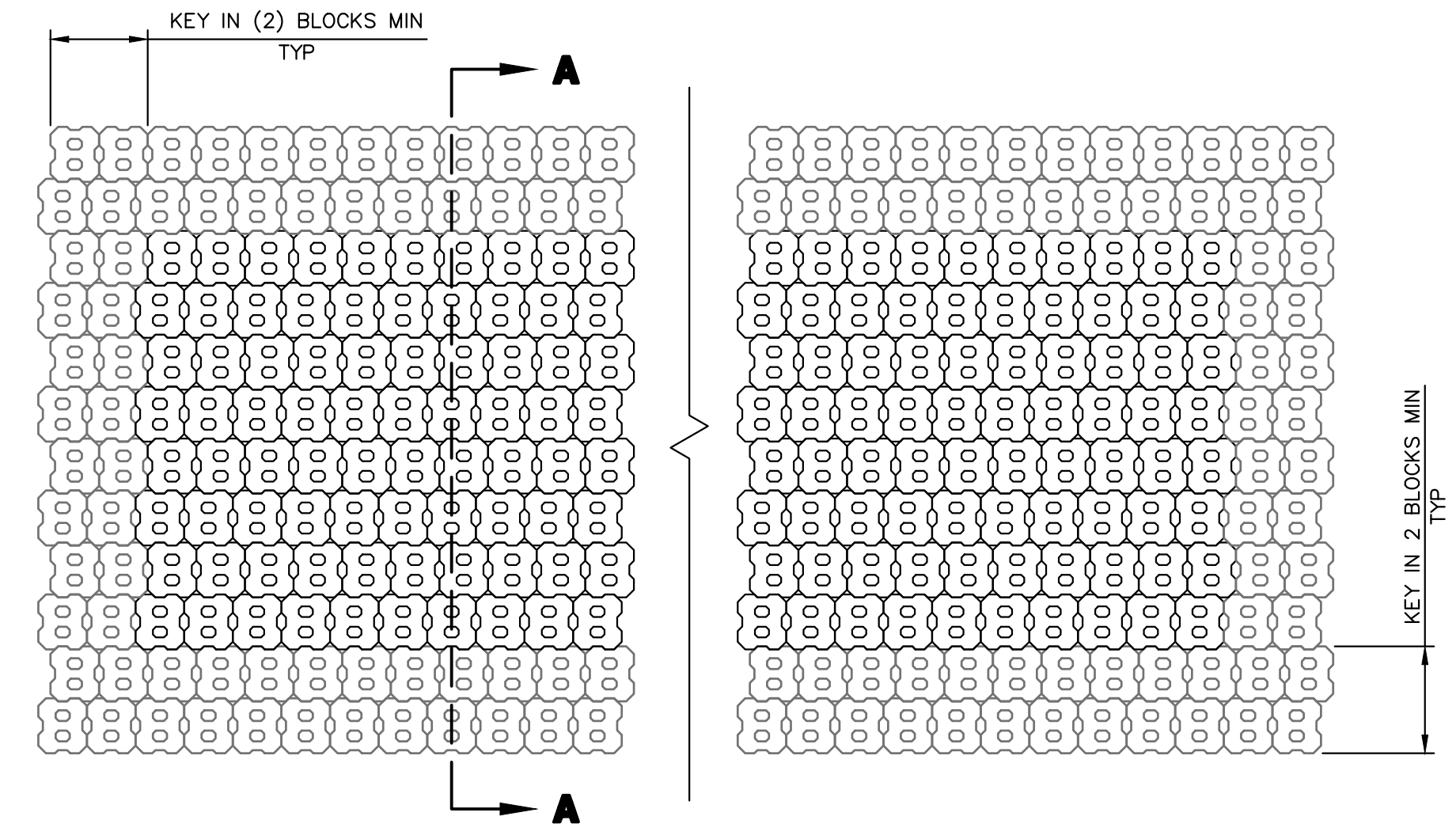
J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE	REVISION

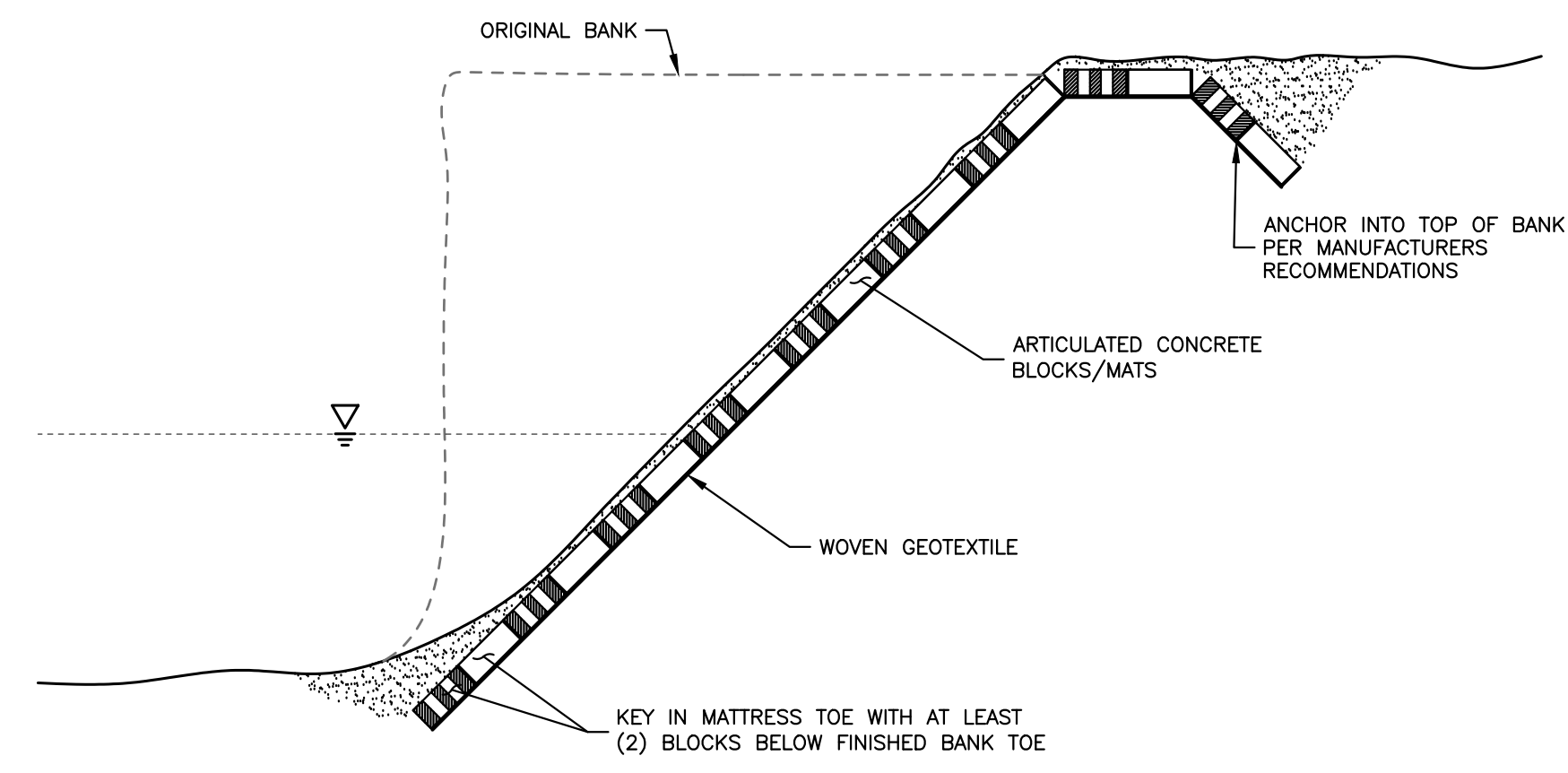
SAND CREEK RESTORATION
STORM PLAN & PROFILE
SHEET 70 OF 121
JOB NO. 25188.04



SOIL LIFT TYPICAL SECTION
NTS



PLAN
NTS



SECTION A-A
NTS

ARTICULATED CONCRETE BLOCK MATS

ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION

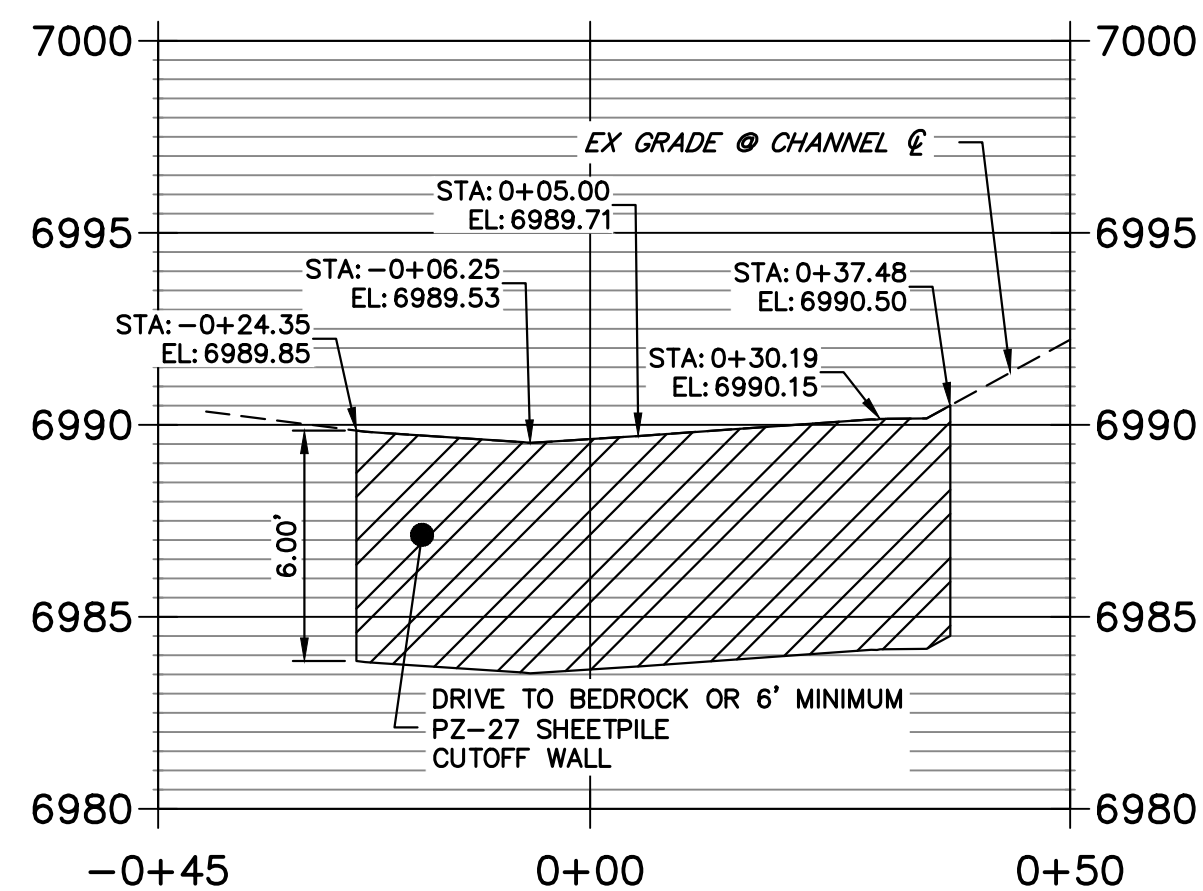
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING

DATE 4/18/23

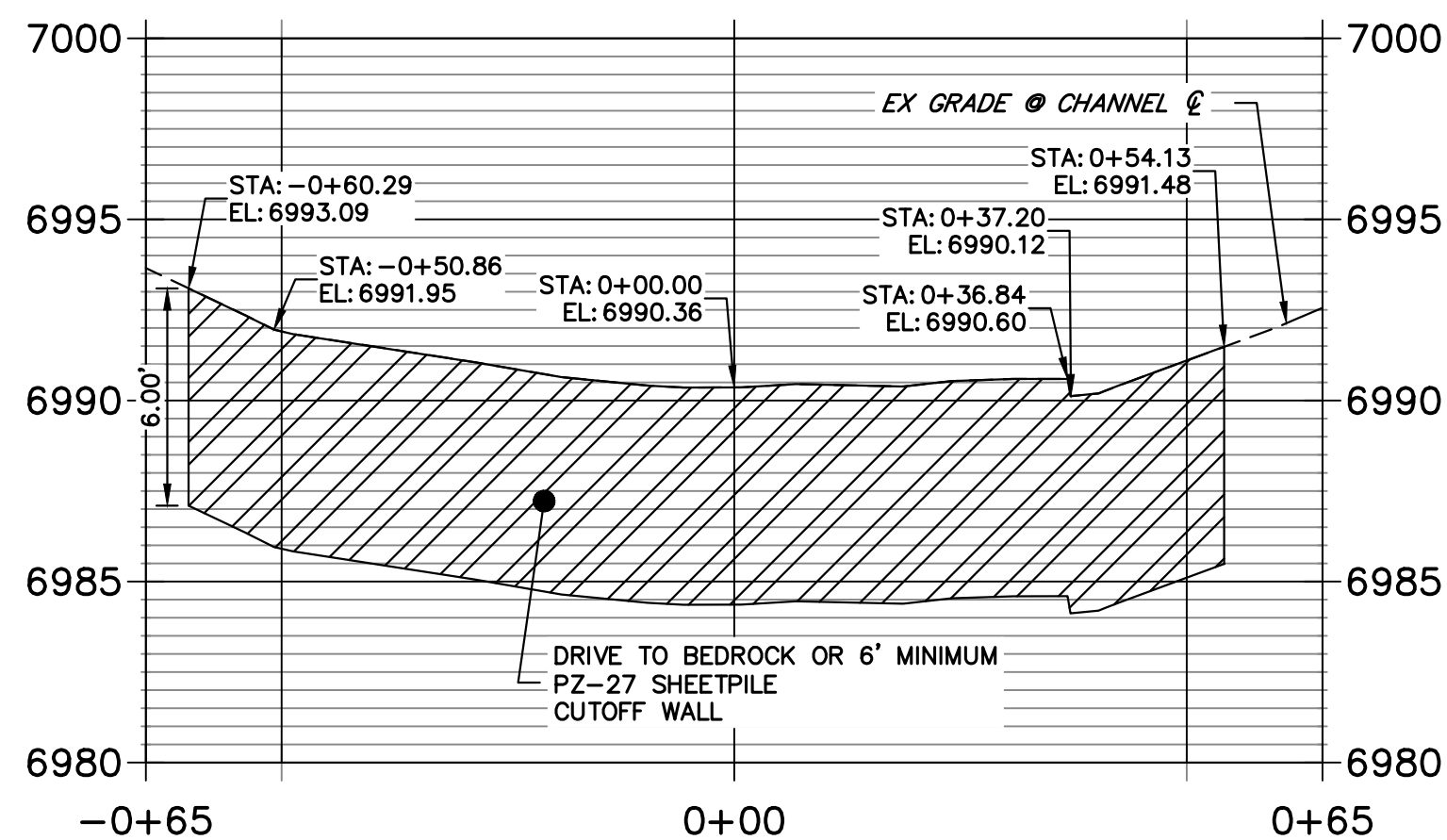
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024
 J.R. ENGINEERING A Westman Company Centennial 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	
BY	DATE
No.	REVISION
H-SCALE	NA
V-SCALE	NA
DATE	4/18/23
DESIGNED BY	DJV
DRAWN BY	DJV
CHECKED BY	
SAND CREEK RESTORATION	
CONSTRUCTION DETAILS	
SHEET	71 OF 121
JOB NO.	25188.04

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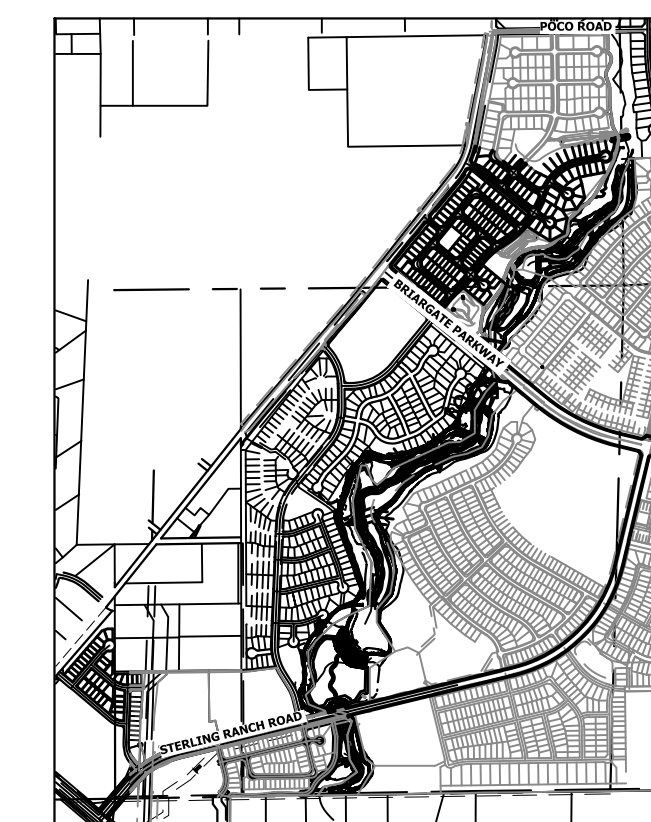
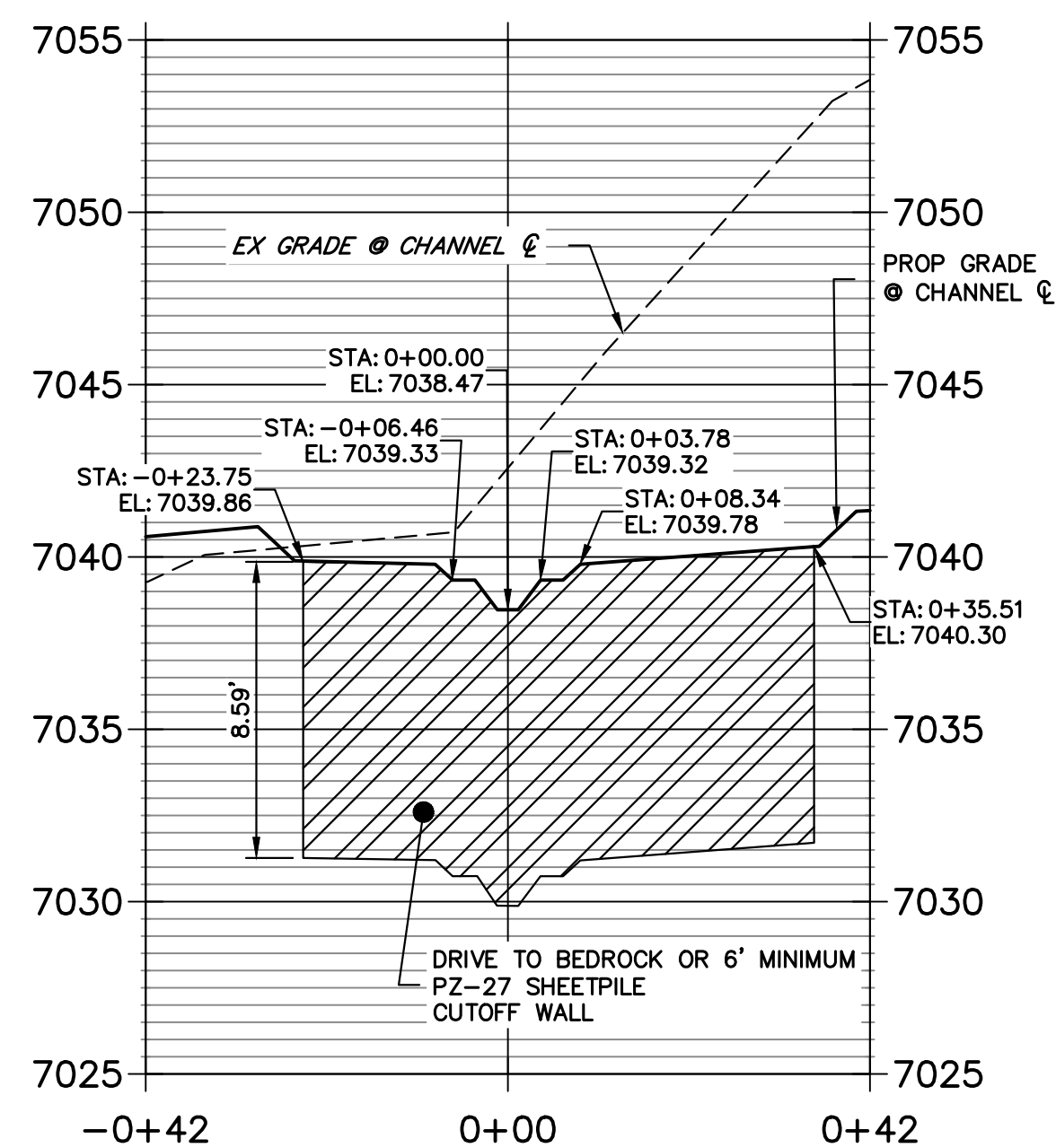
**SHEET PILE CUTOFF WALL #1
STA -0+45.00 TO 0+50.00**



**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**



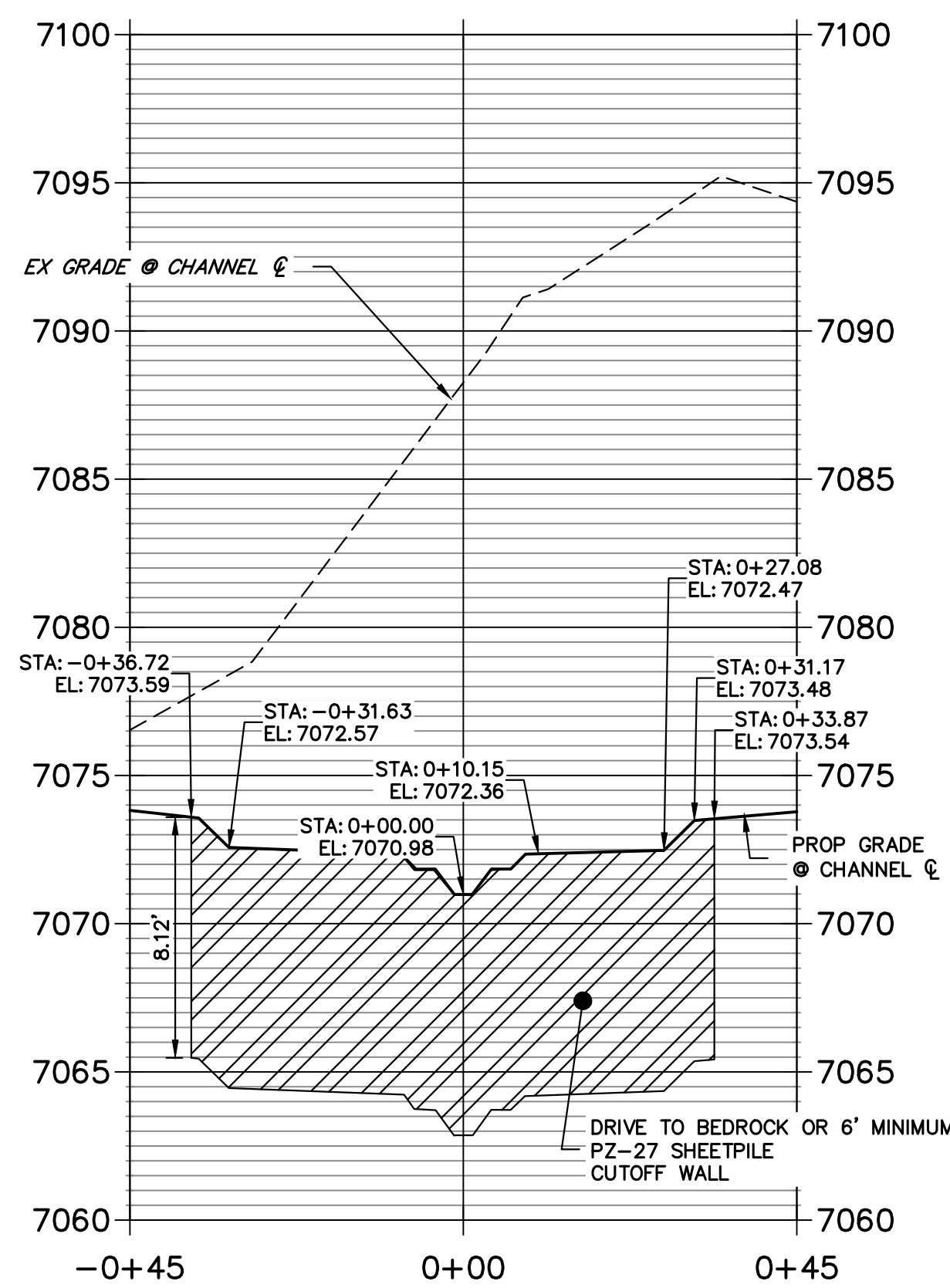
KEY MAP
SCALE: 1"=2000'

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

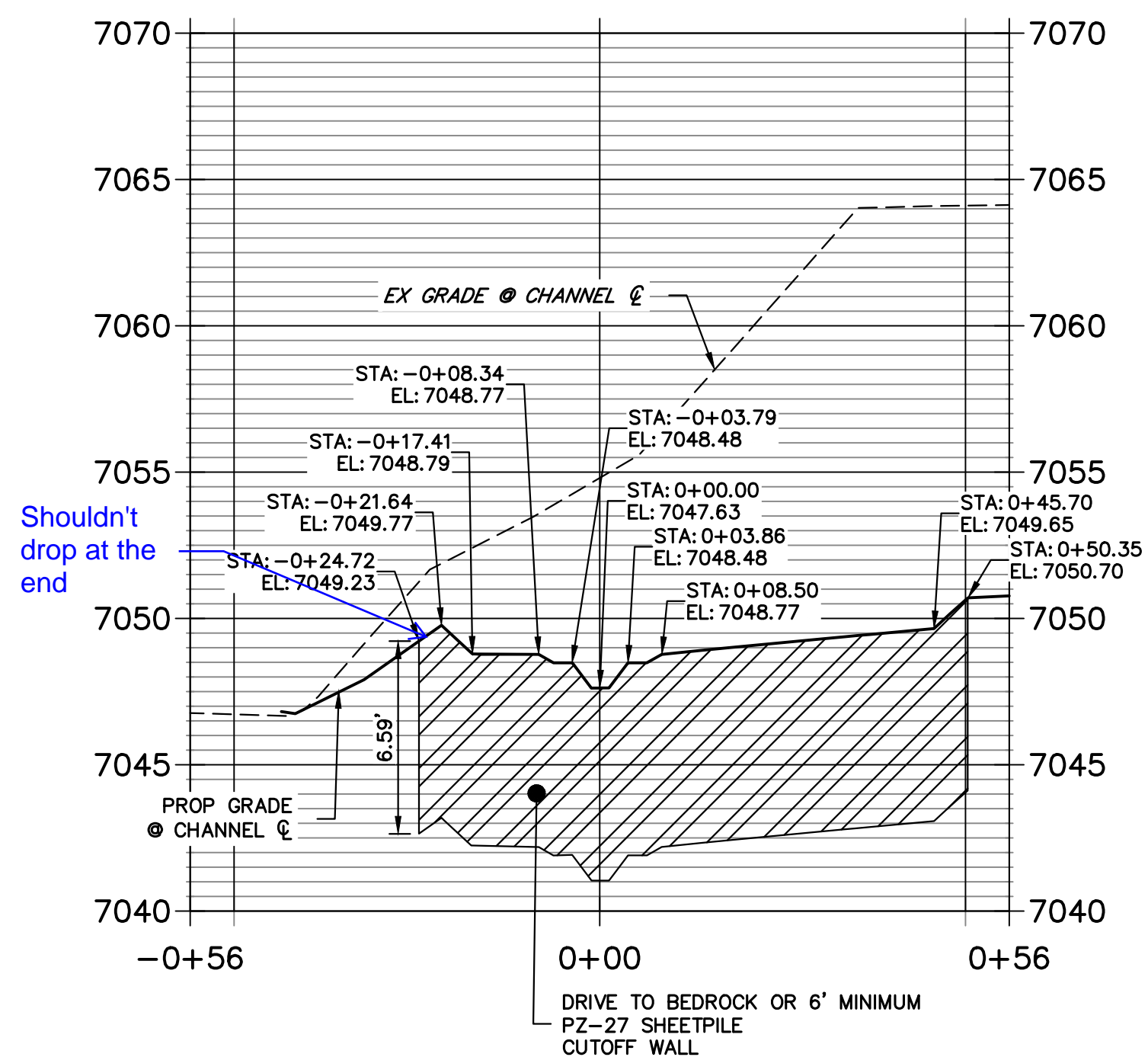
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
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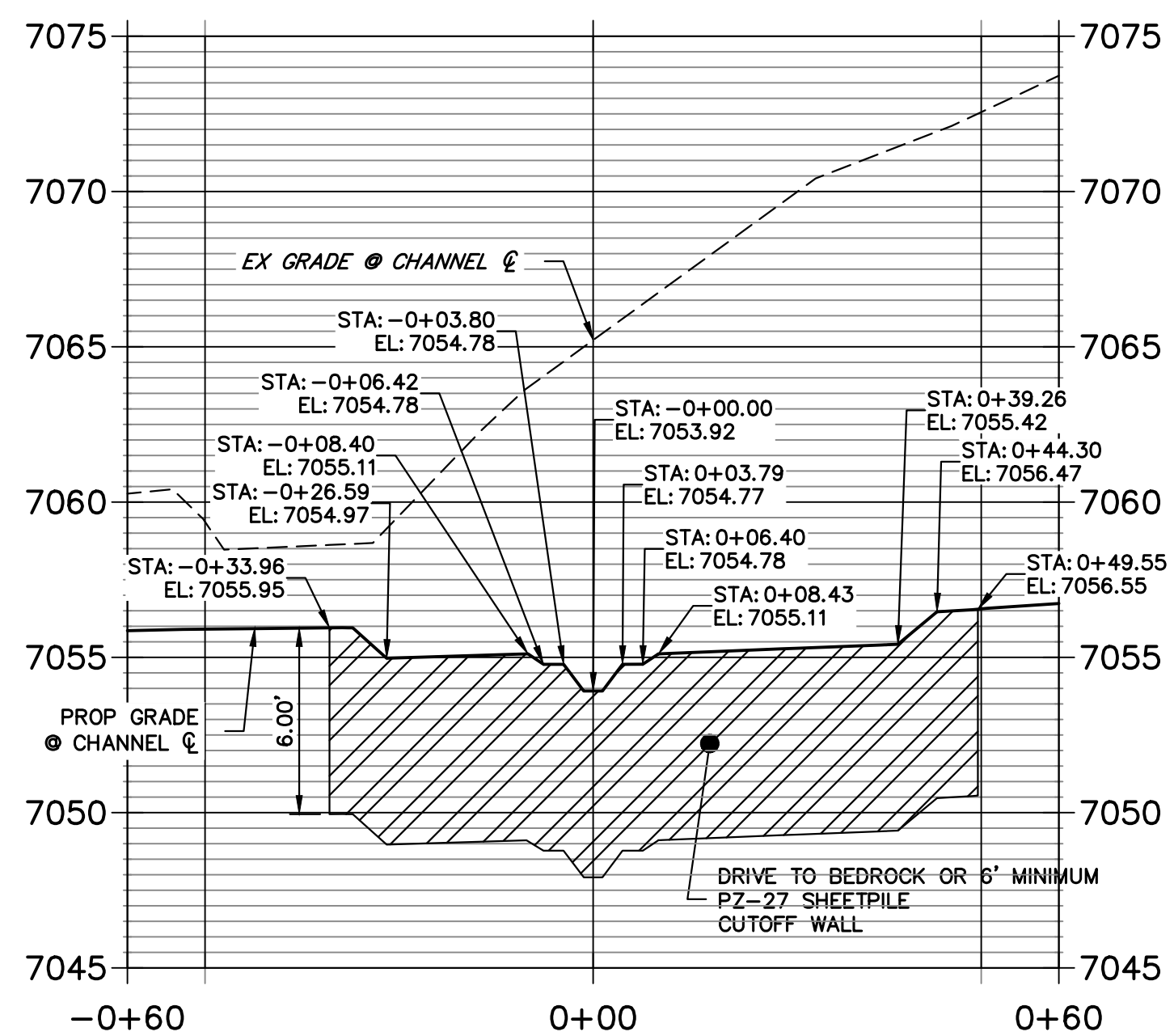
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STA -0+45.00 TO 0+45.01**



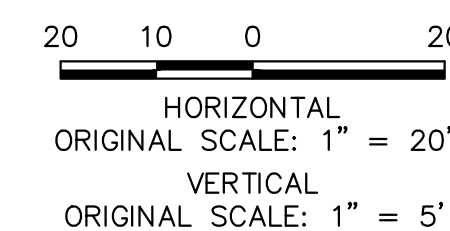
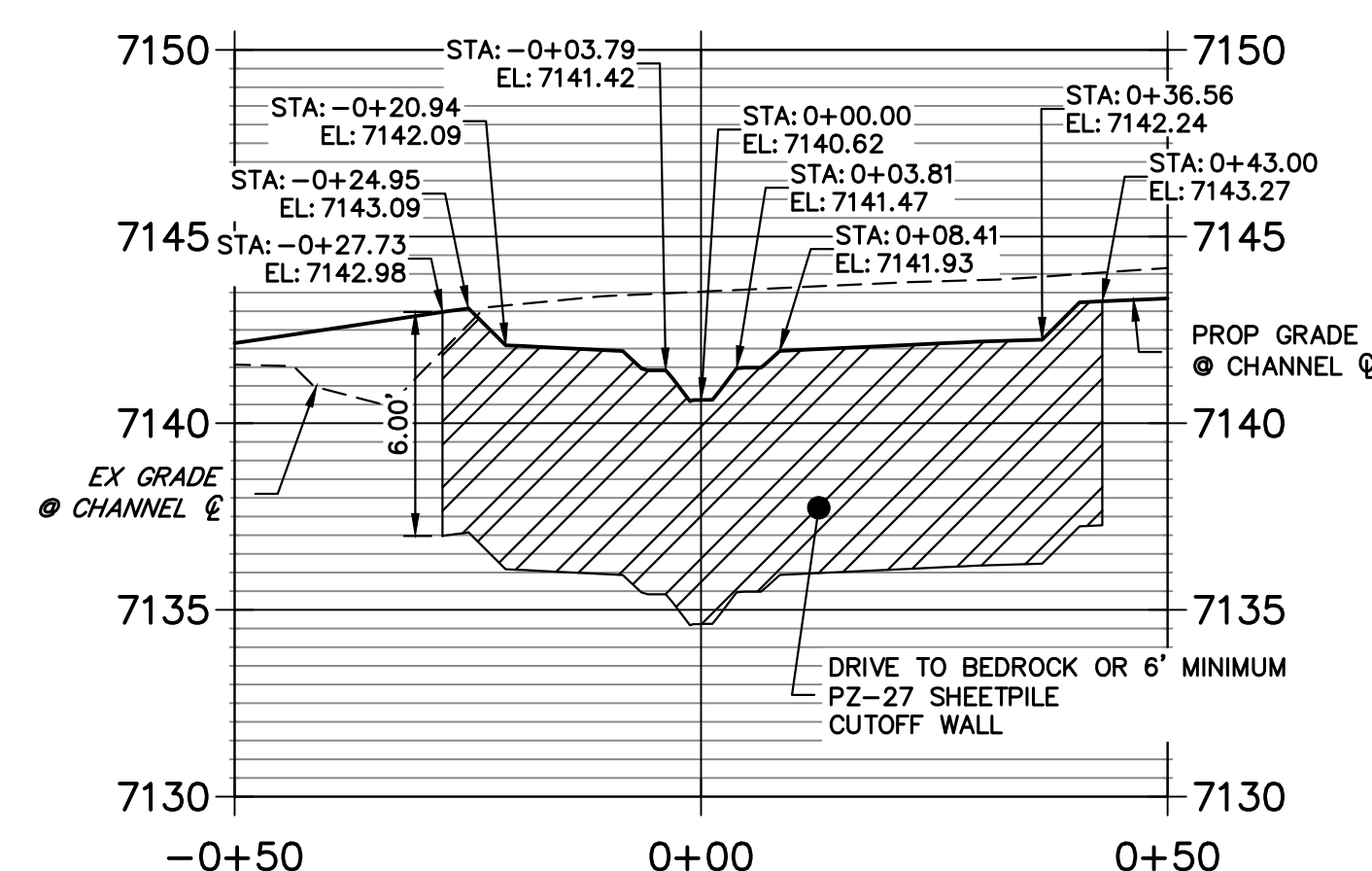
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STA -0+56.00 TO 0+55.99**



**SHEET PILE CUTOFF WALL #5
STA -0+60.00 TO 0+60.00**



**SHEET PILE CUTOFF WALL #7
STA -0+50.00 TO 0+50.00**



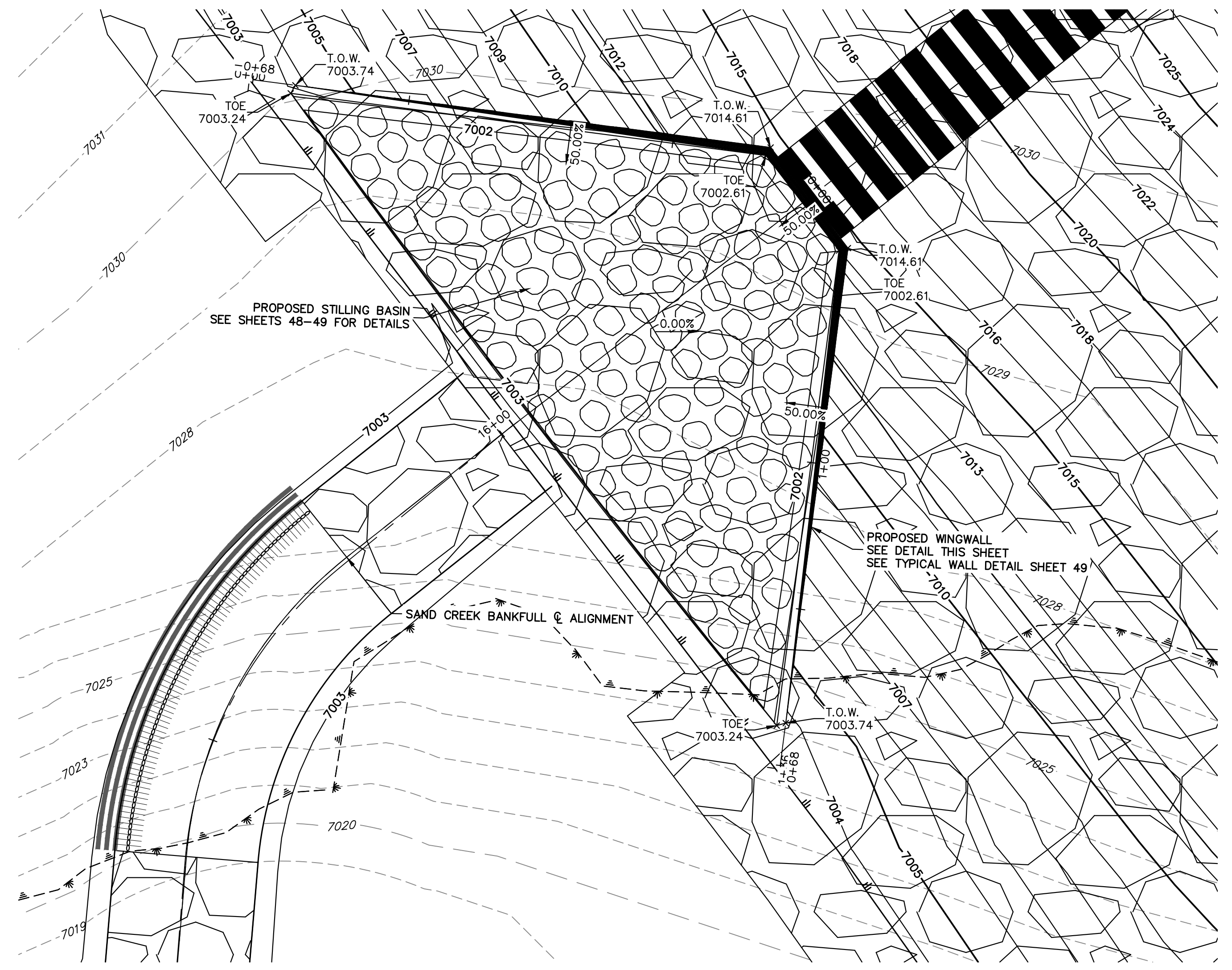
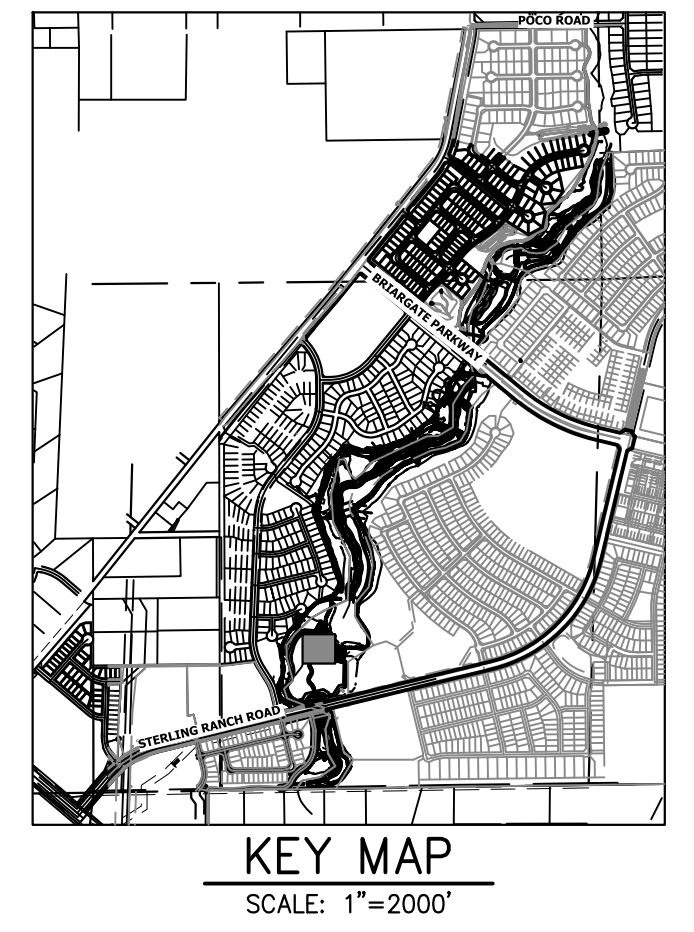
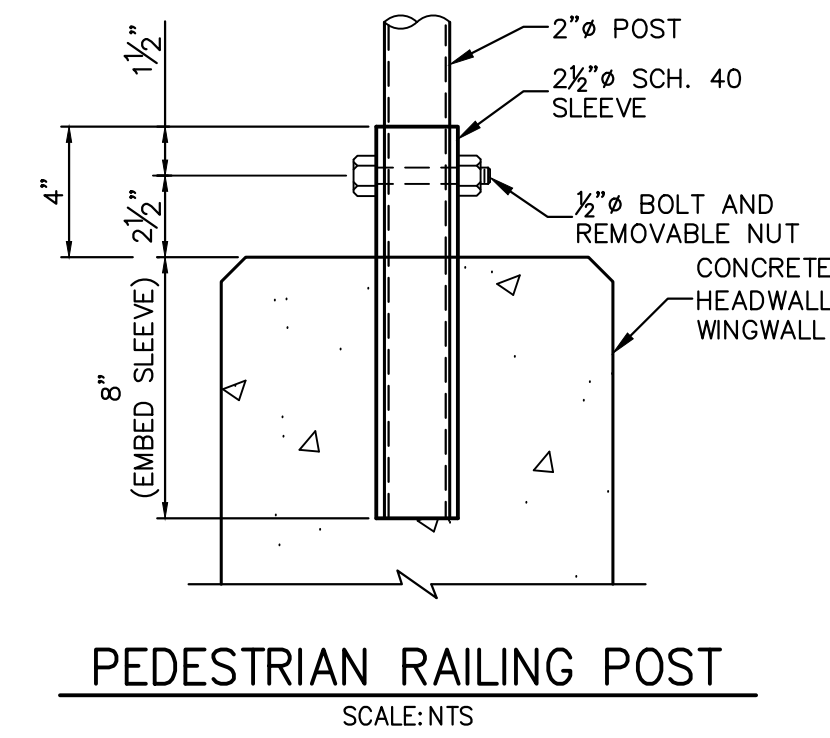
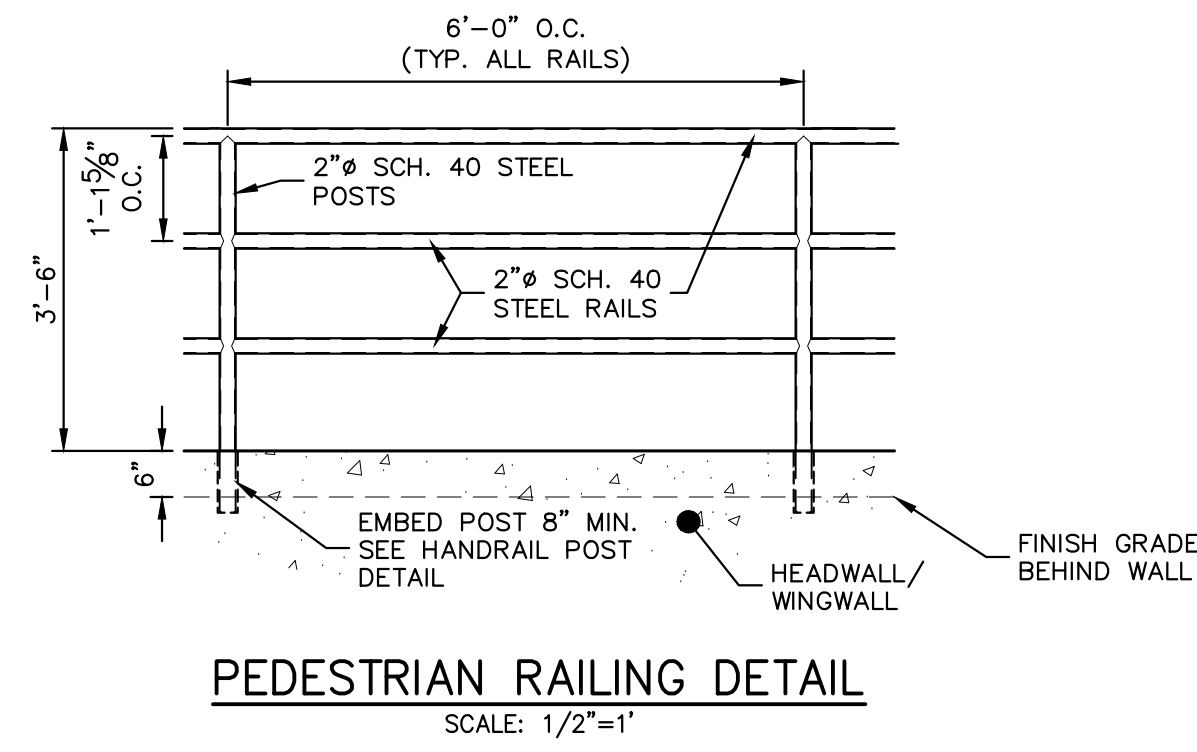
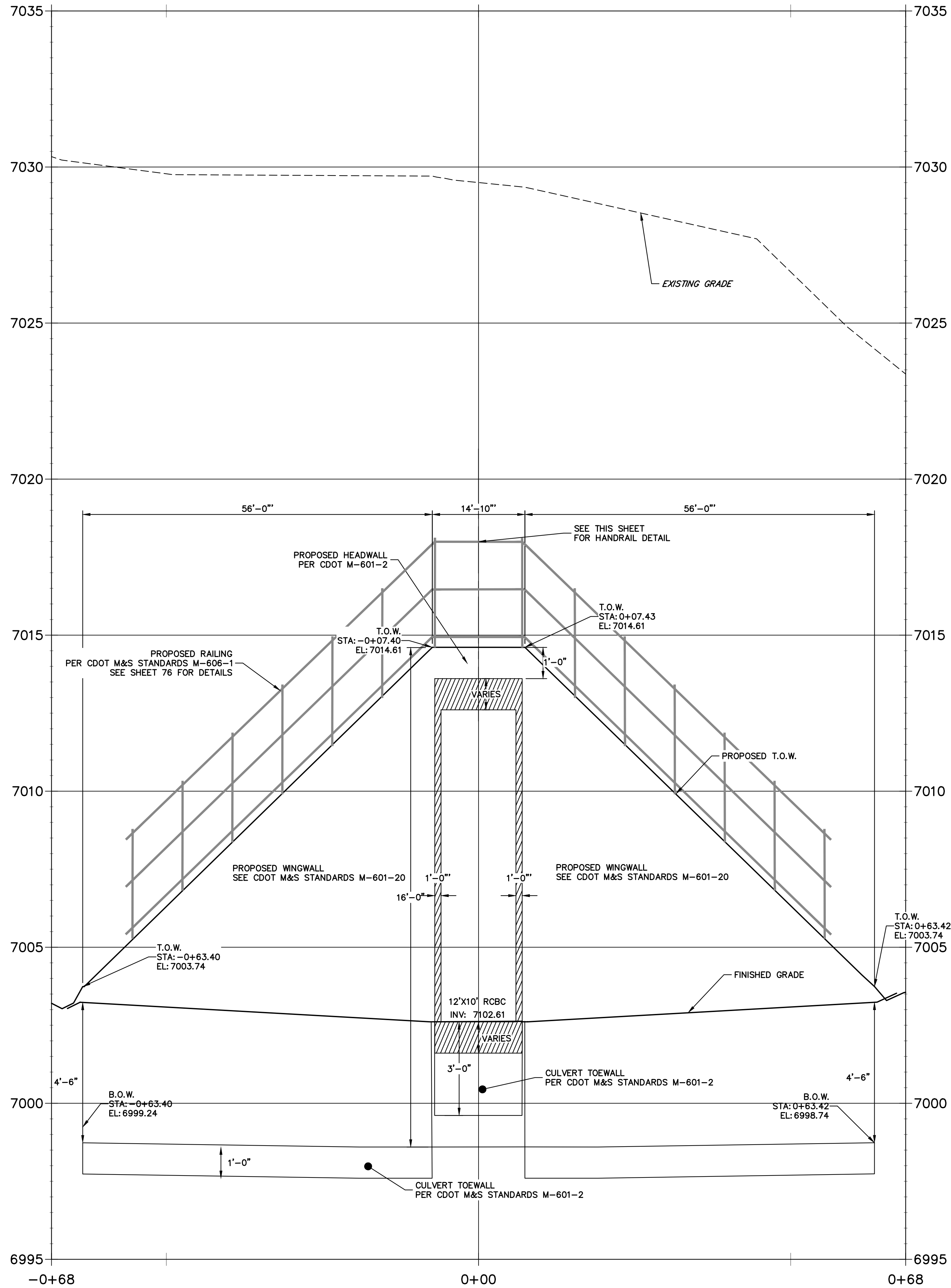
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, INC.
DATE: 4/18/23

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

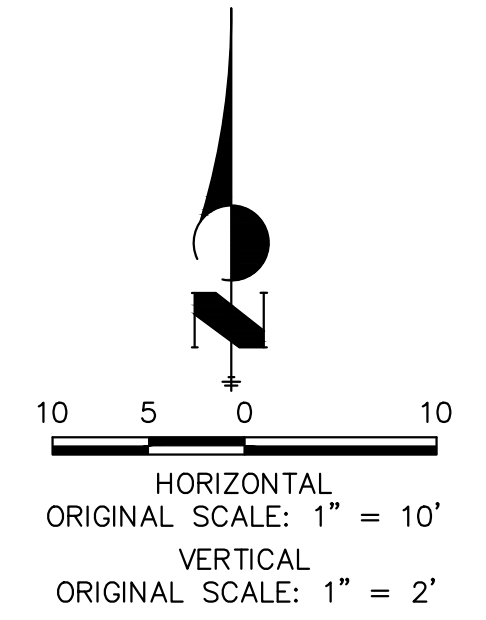
SAND CREEK RESTORATION
CONSTRUCTION DETAILS

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

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

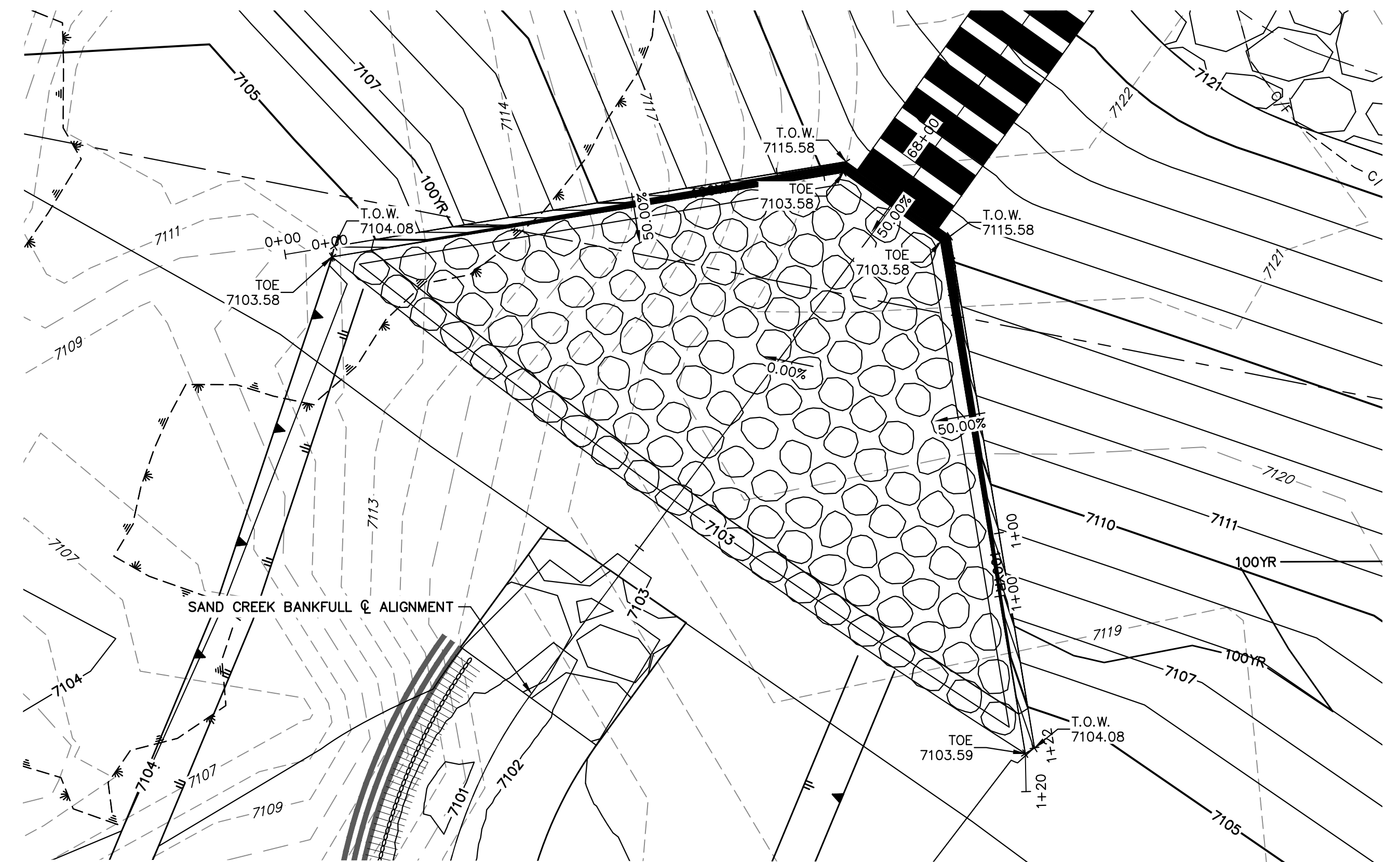
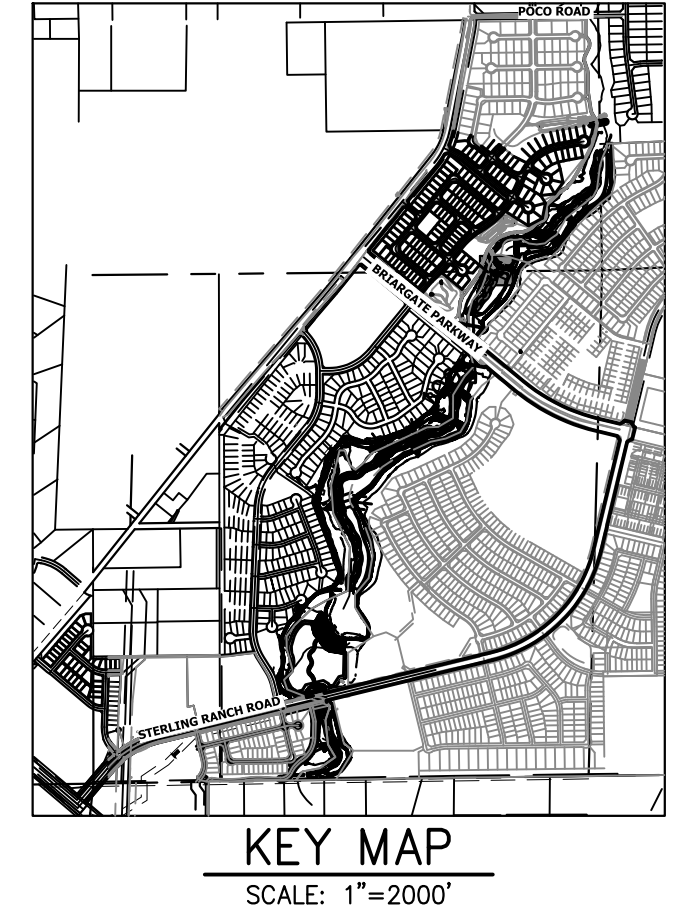
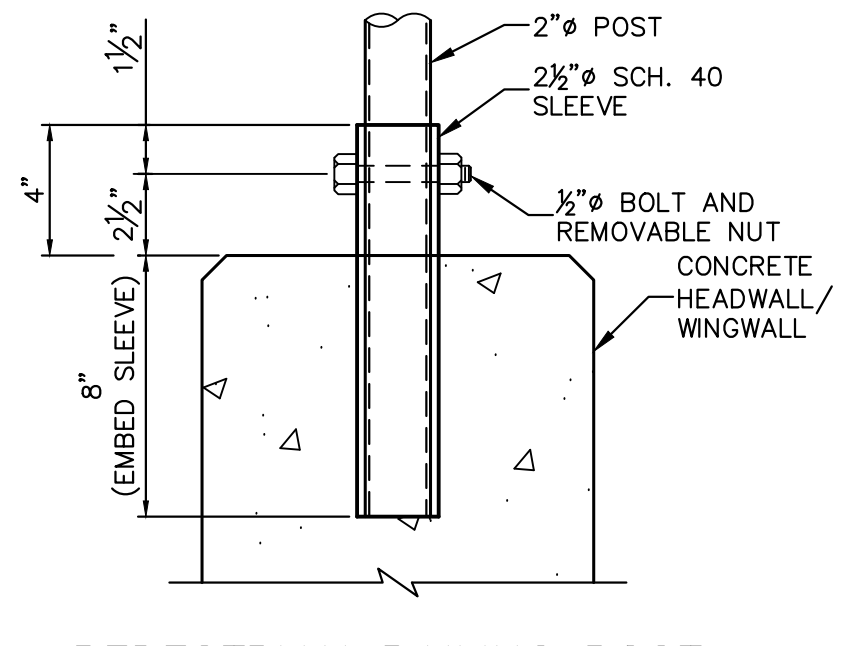
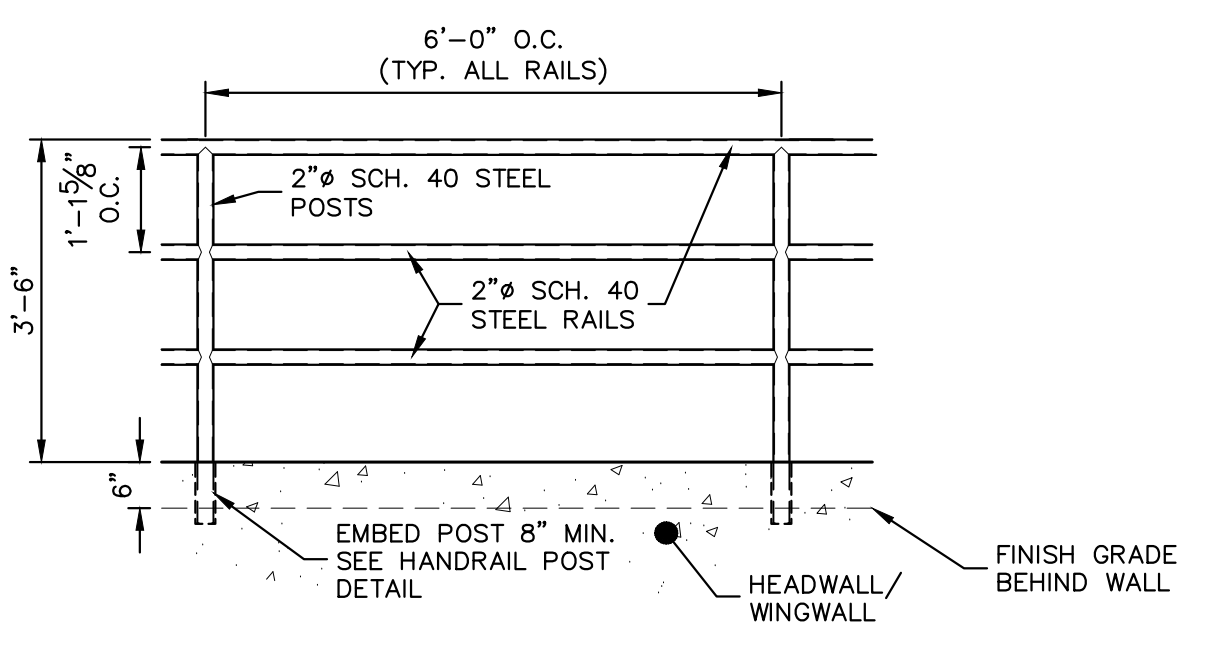
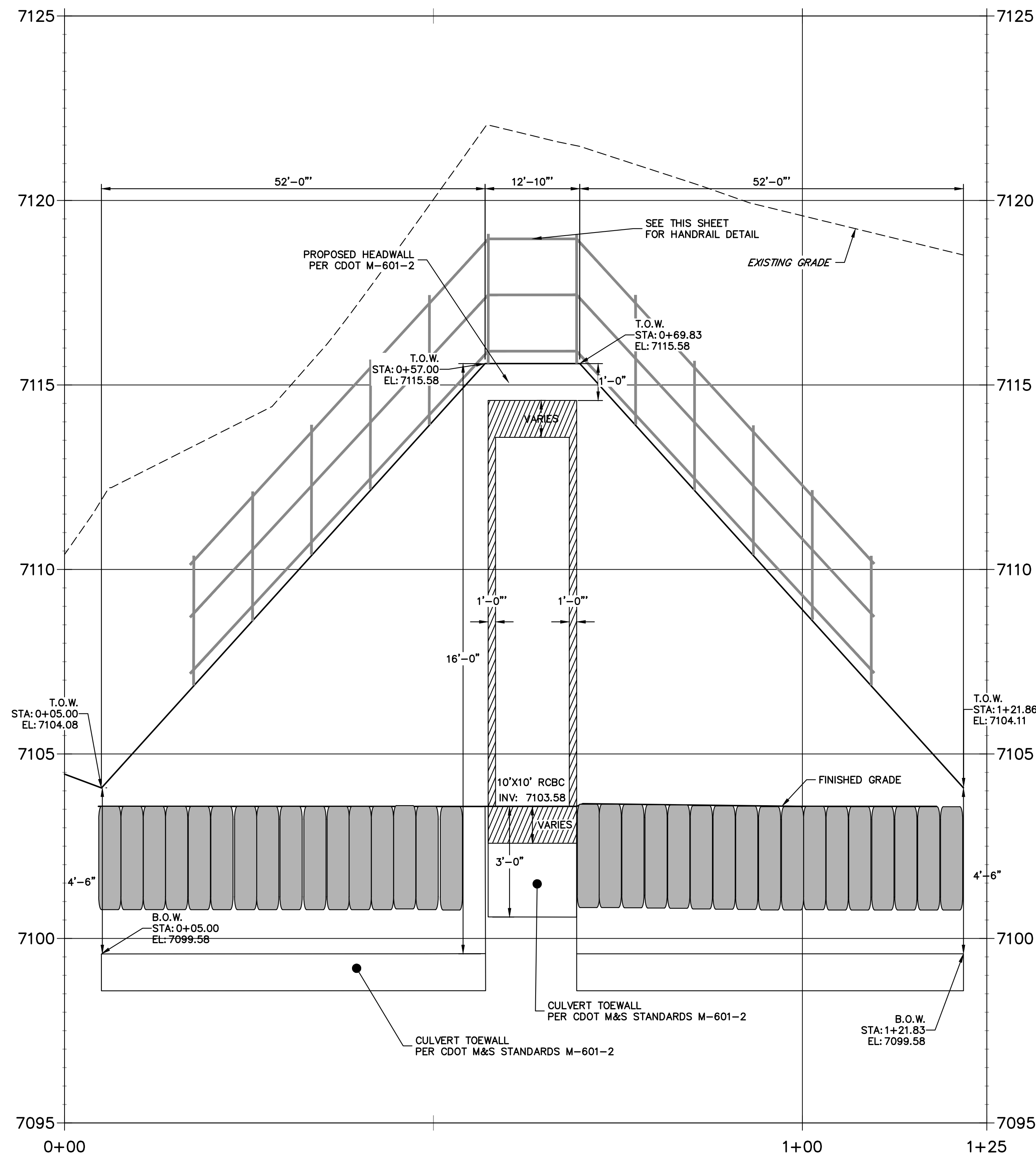
J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

No.	REVISION	BY	DATE

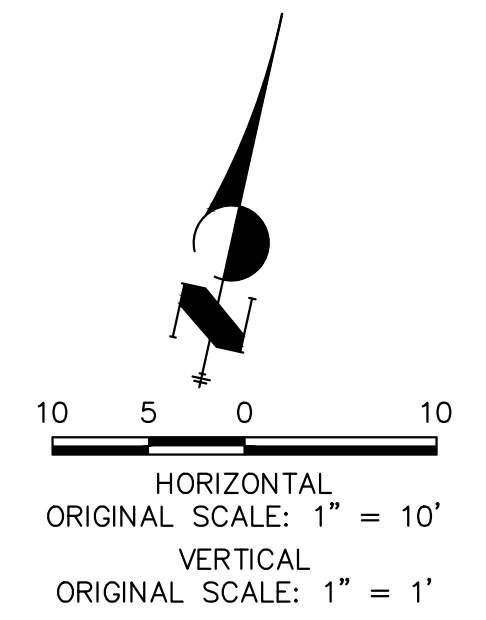
SAND CREEK RESTORATION
STRUCTURAL DETAILS

SHEET 74 OF 121
JOB NO. 25188.04

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



POND 2 STILLING BASIN HEADWALL WINGWALL PLAN VIEW

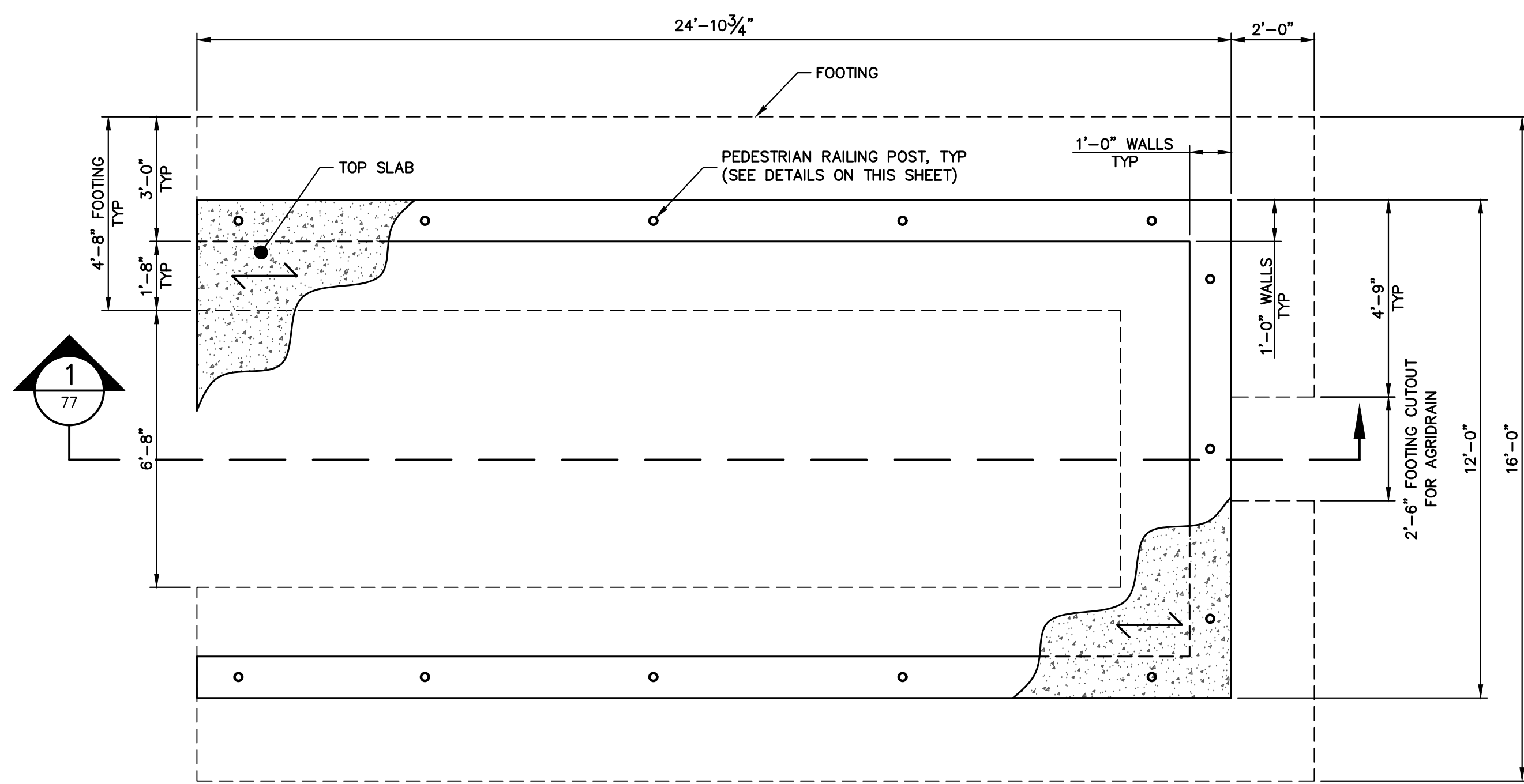


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

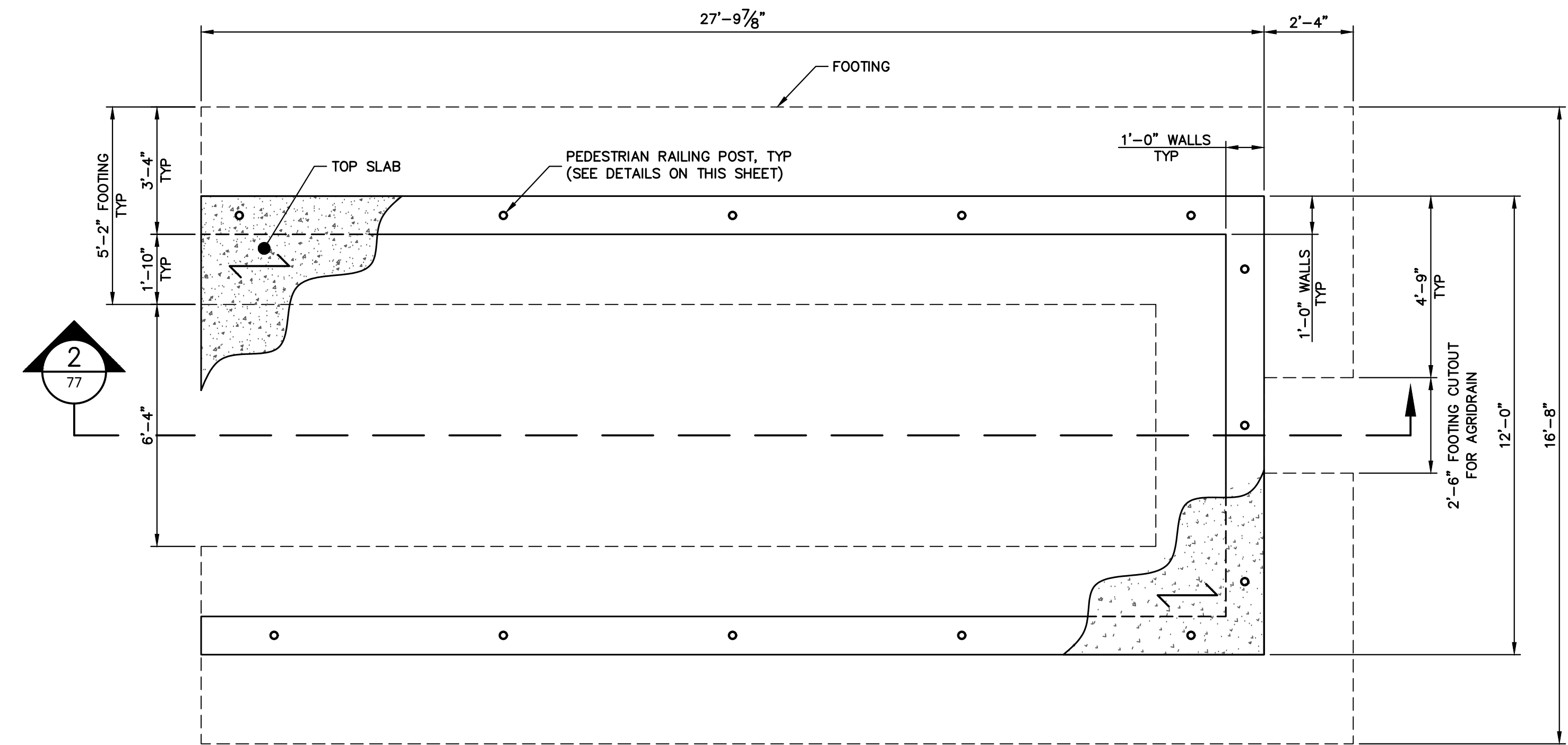
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23
DATE

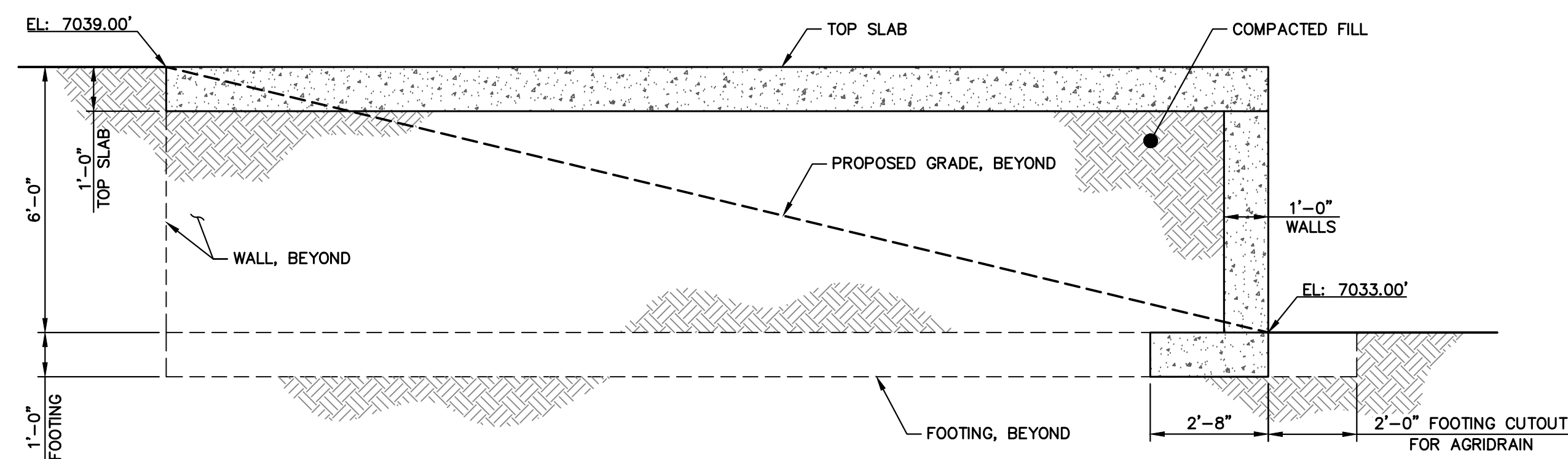
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PREPARED FOR SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024	J.R. ENGINEERING A Westman Company Central 300-740-8888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com
SAND CREEK RESTORATION STRUCTURAL DETAILS	SHEET 75 OF 121 JOB NO. 25188.04



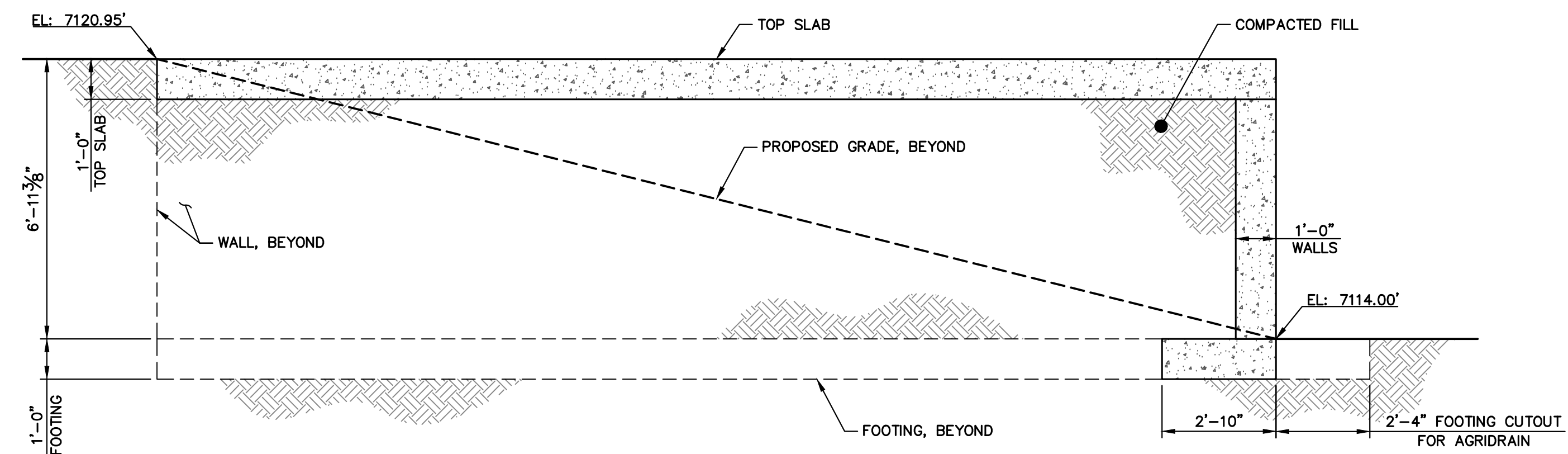
POND 1 CONCRETE PAD PLAN
SCALE: 3/8"=1'-0"



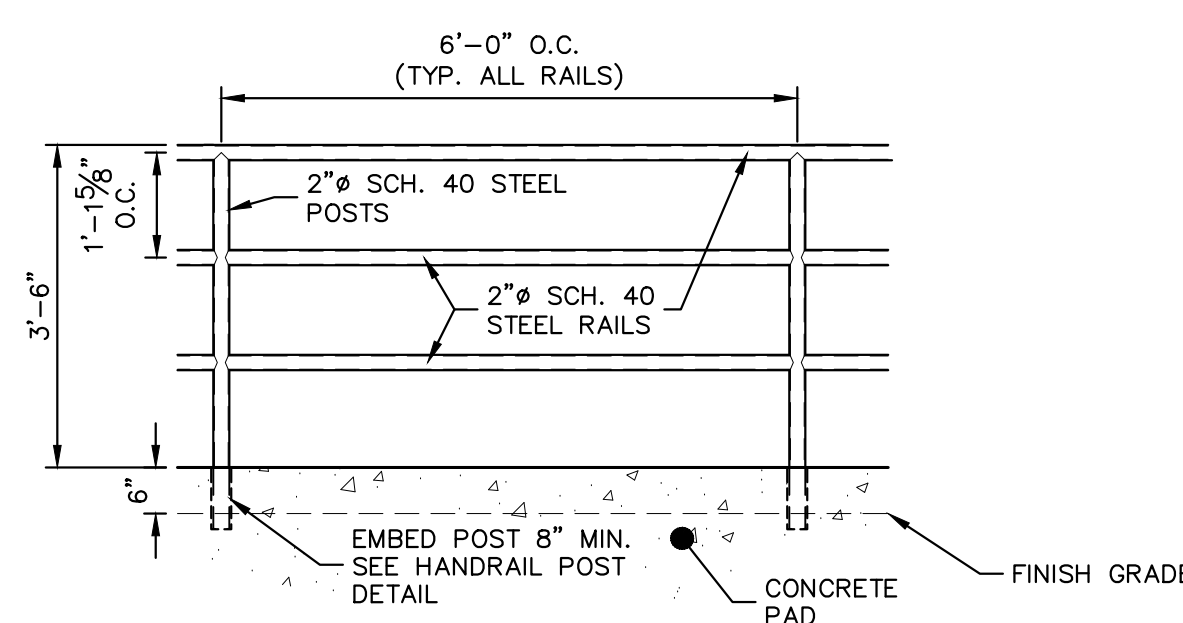
POND 2 CONCRETE PAD PLAN
SCALE: 3/8"=1'-0"



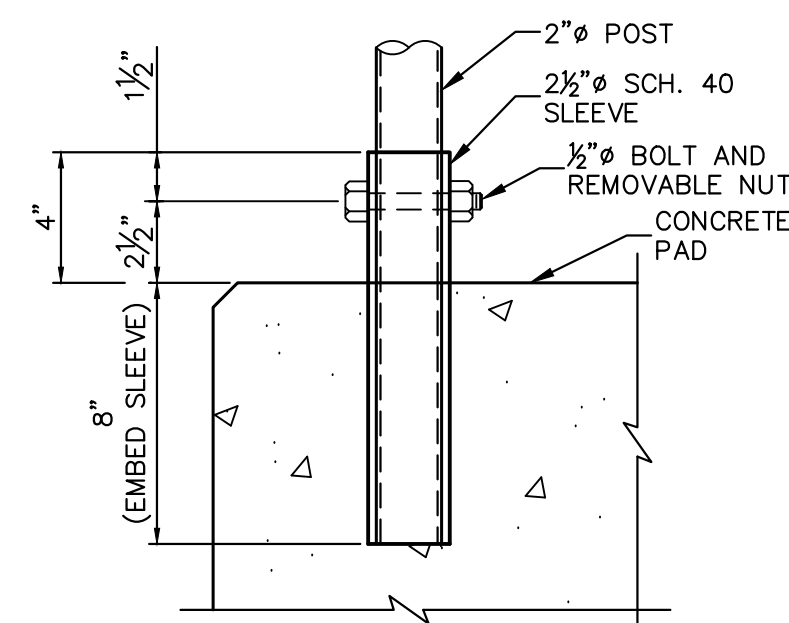
1 POND 1 CONCRETE PAD SECTION
SCALE: 3/8"=1'-0"



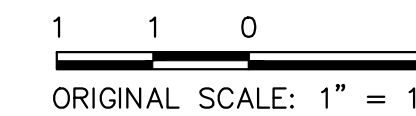
2 POND 2 CONCRETE PAD SECTION
SCALE: 3/8"=1'-0"



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



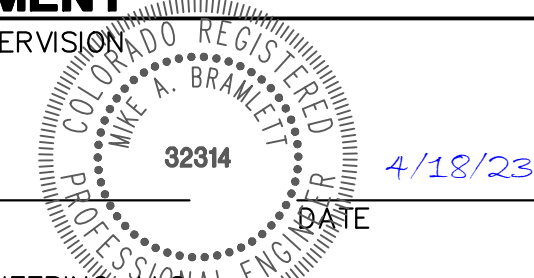
PEDESTRIAN RAILING POST
SCALE: NTS



ENGINEER'S STATEMENT

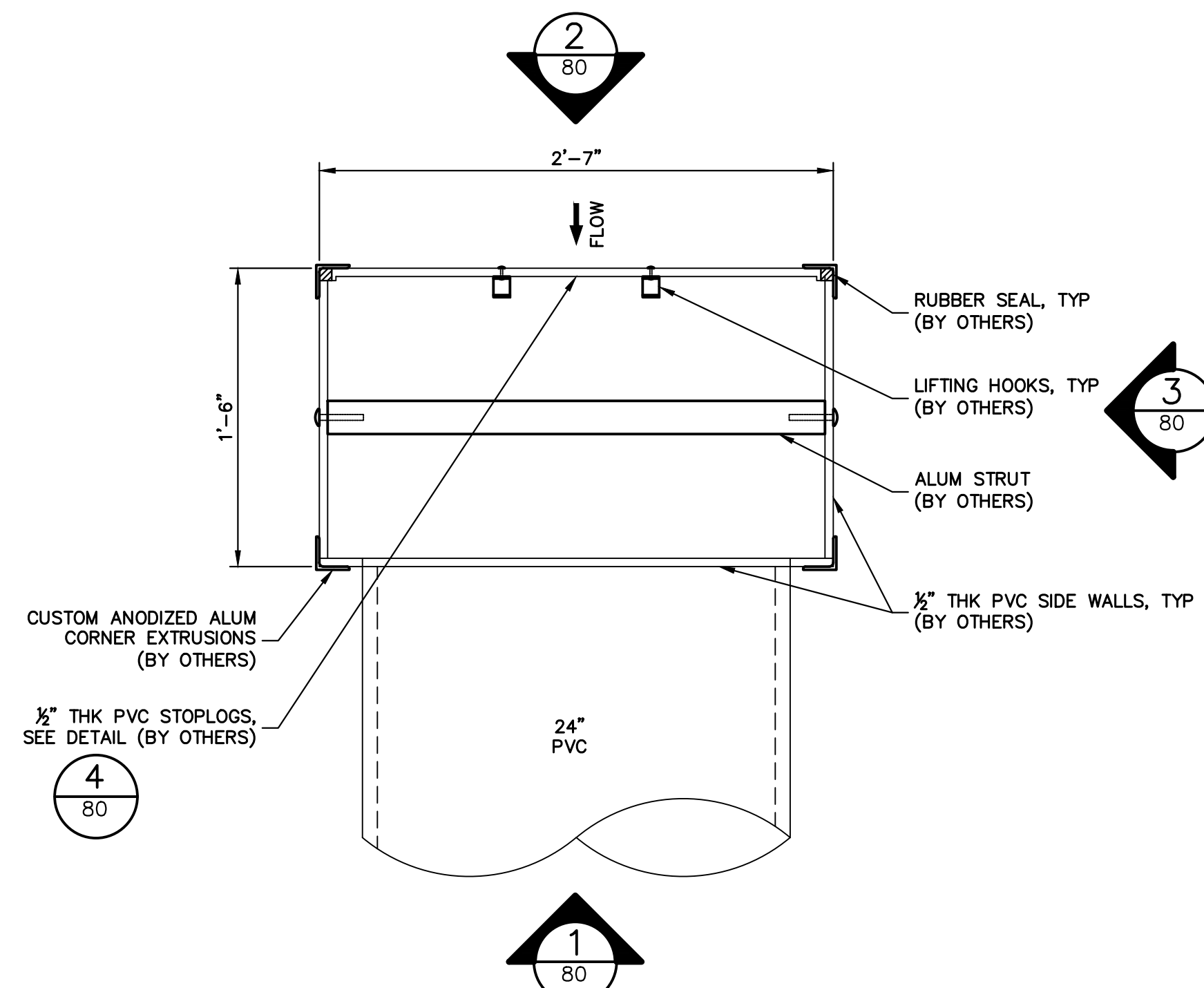
PREPARED UNDER MY DIRECT SUPERVISION

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

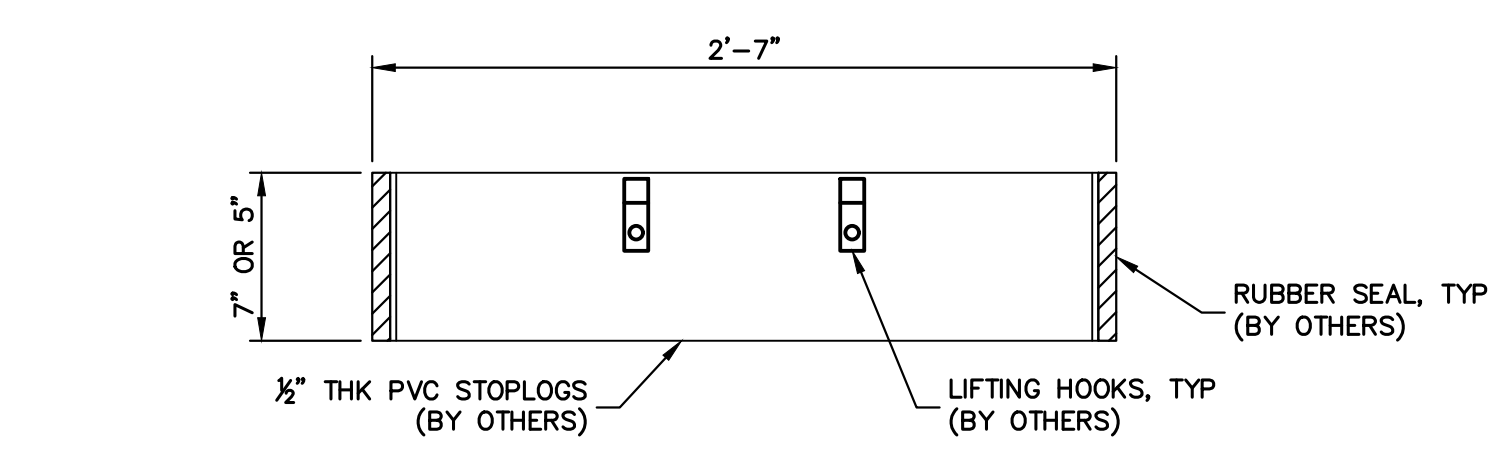


FOR AND ON BEHALF OF JR ENGINEERING

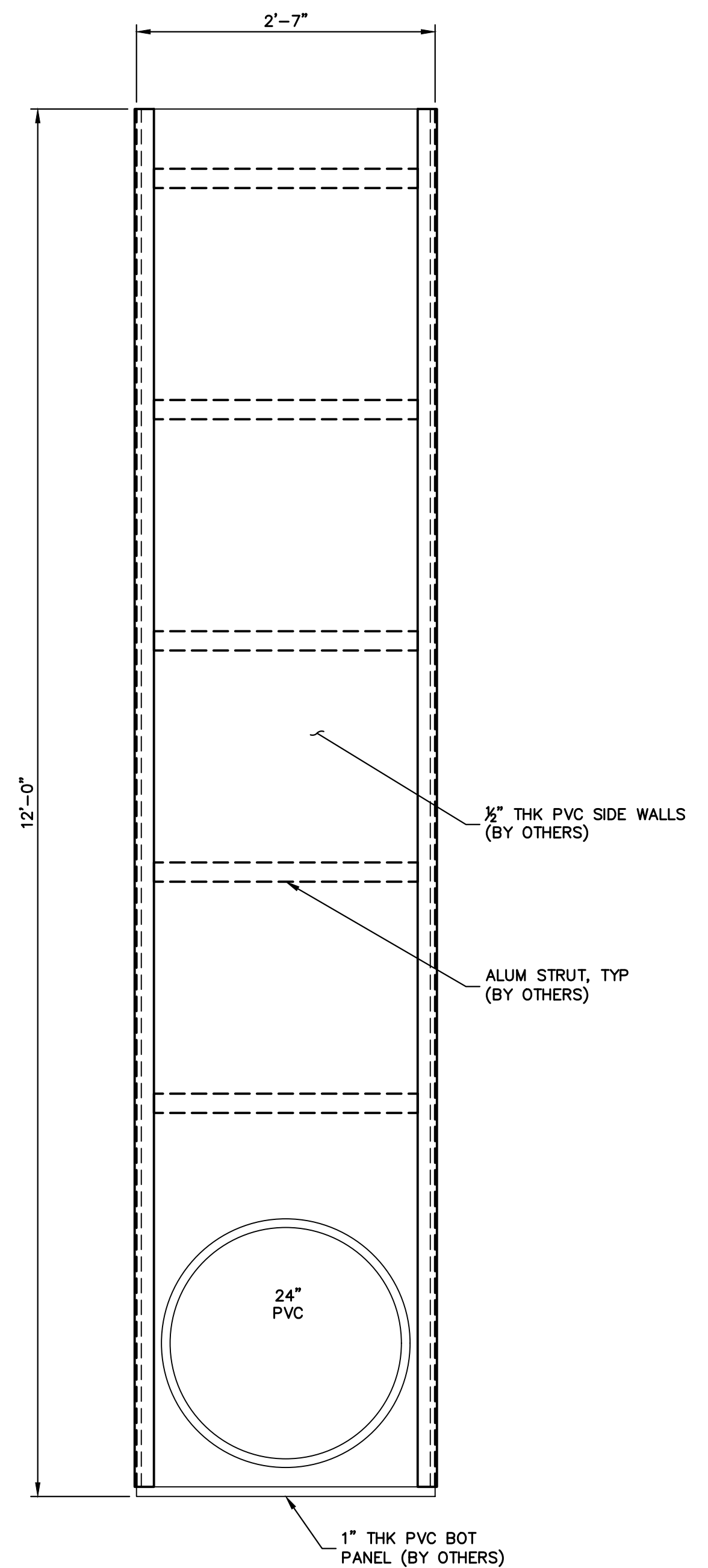
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024
J.R. ENGINEERING A Westman Company	Central 303-740-9888 • 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



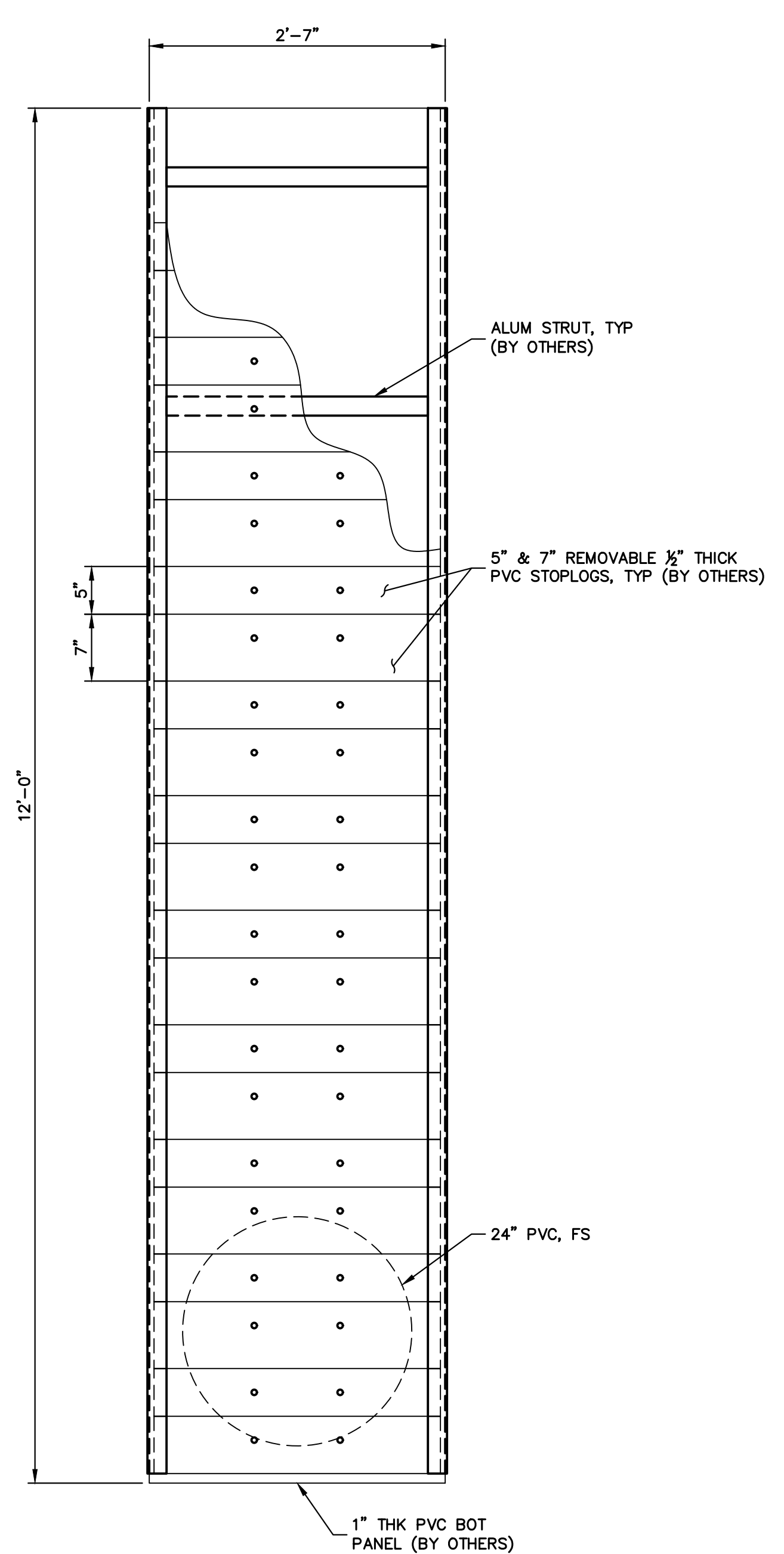
TYPICAL AGRIDRAIN PLAN
SCALE: 1-1/2" = 1'



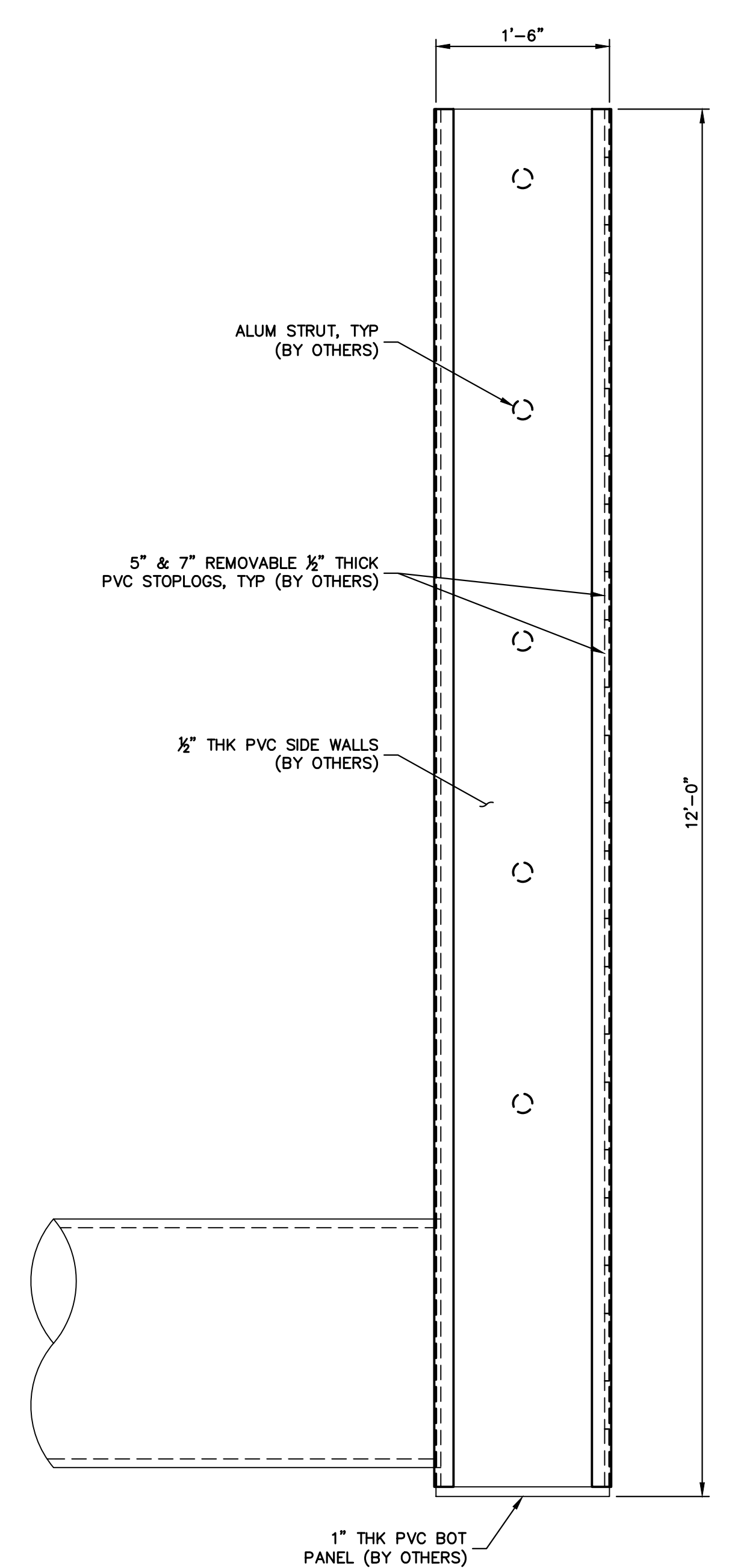
TYPICAL STOPLOG DETAIL
SCALE: 1-1/2" = 1'



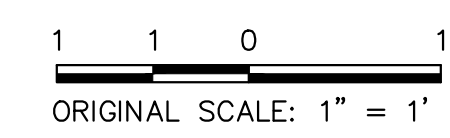
ELEVATION 1
SCALE: 1" = 1'



ELEVATION 2
SCALE: 1" = 1'



ELEVATION 3
SCALE: 1" = 1'

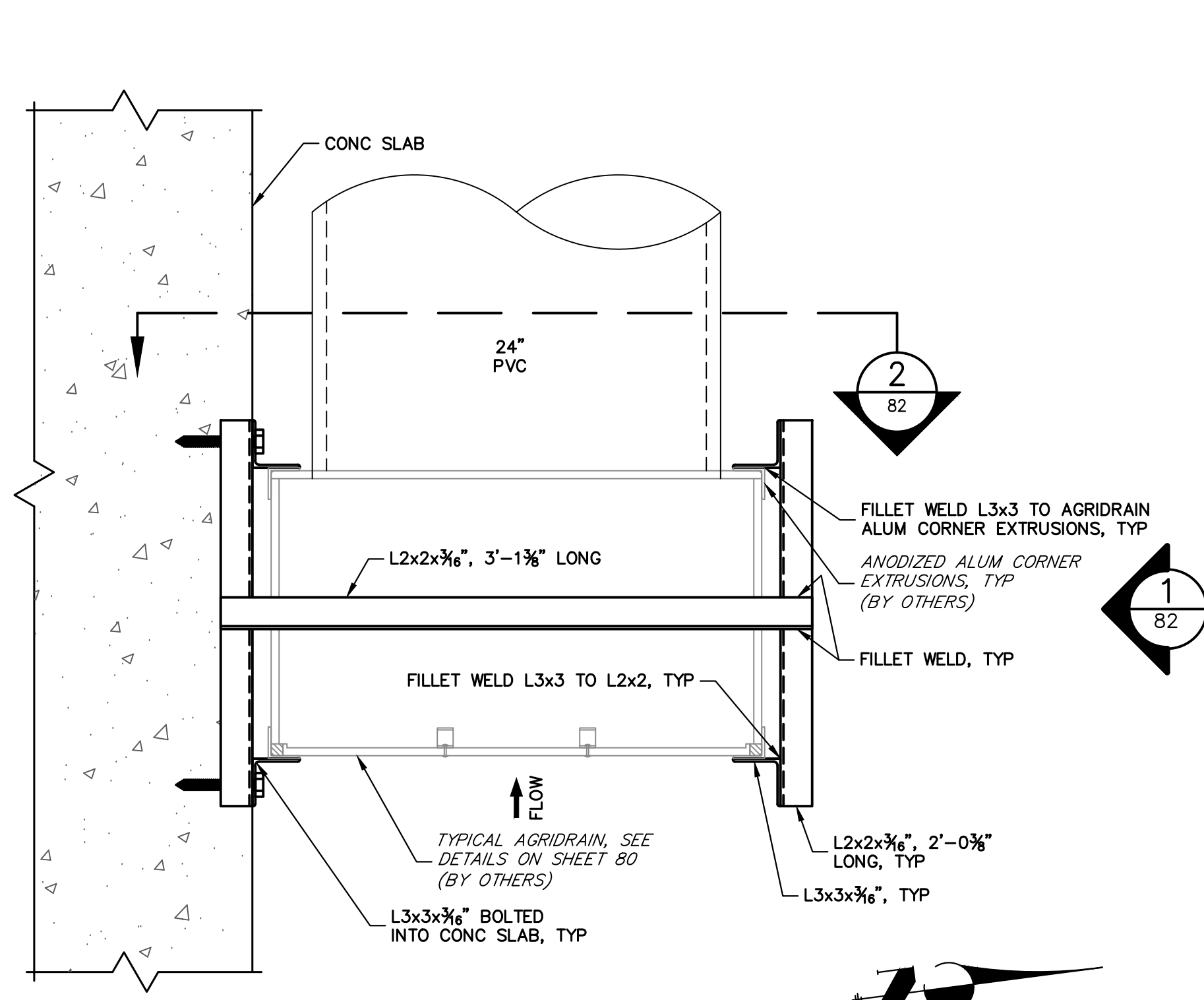


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

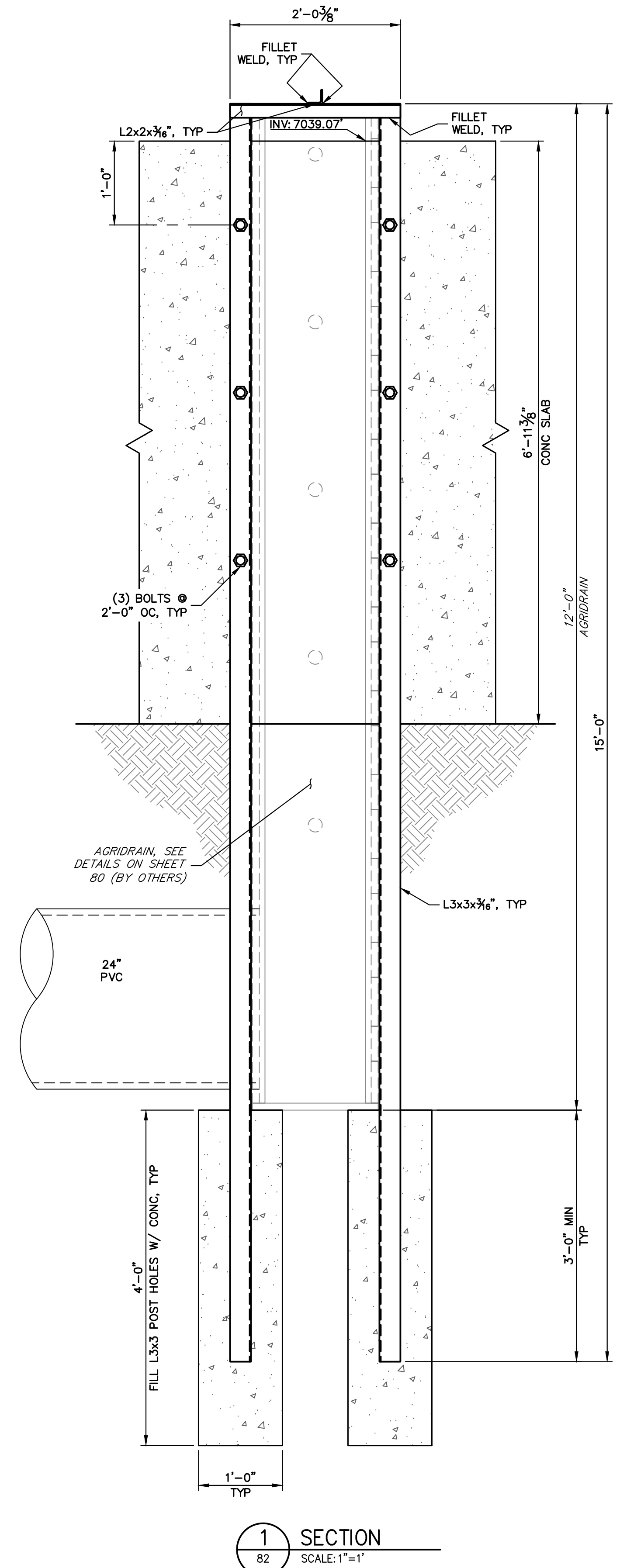
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

32314
4/18/23

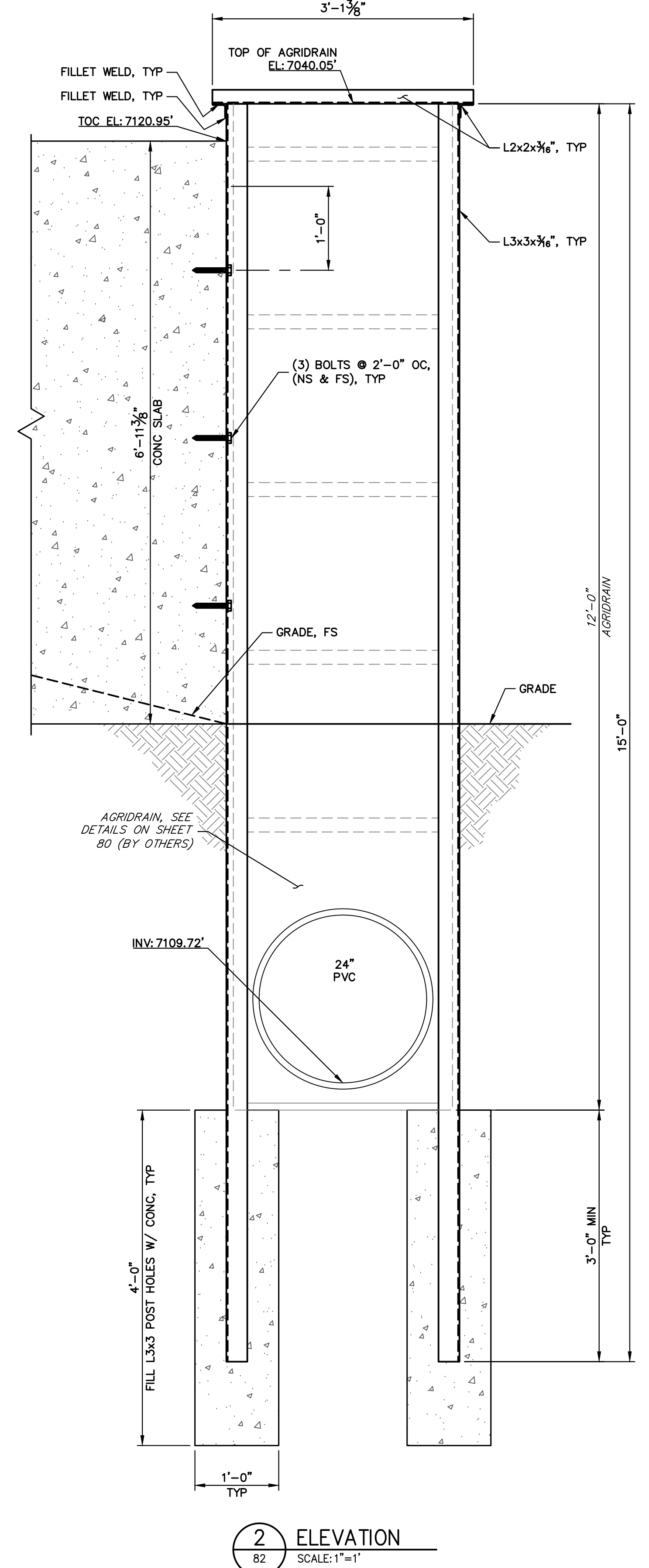
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE FOR PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024
 J.R. ENGINEERING A Westman Company Centennial 303-740-9888 • Colorado Springs 719-588-2583 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	



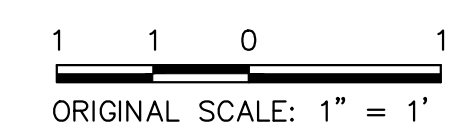
PLAN
SCALE: 1-1/2" = 1'



1 SECTION
SCALE: 1" = 1'



2 ELEVATION
SCALE: 1" = 1'

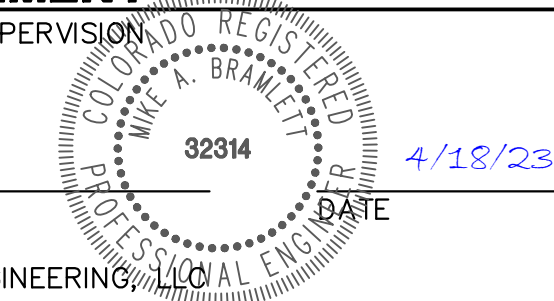


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

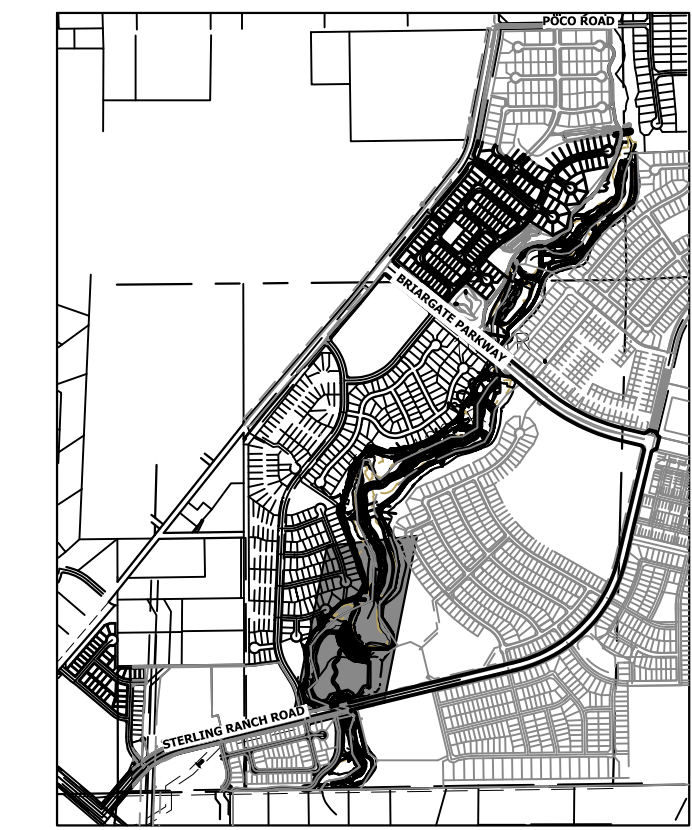
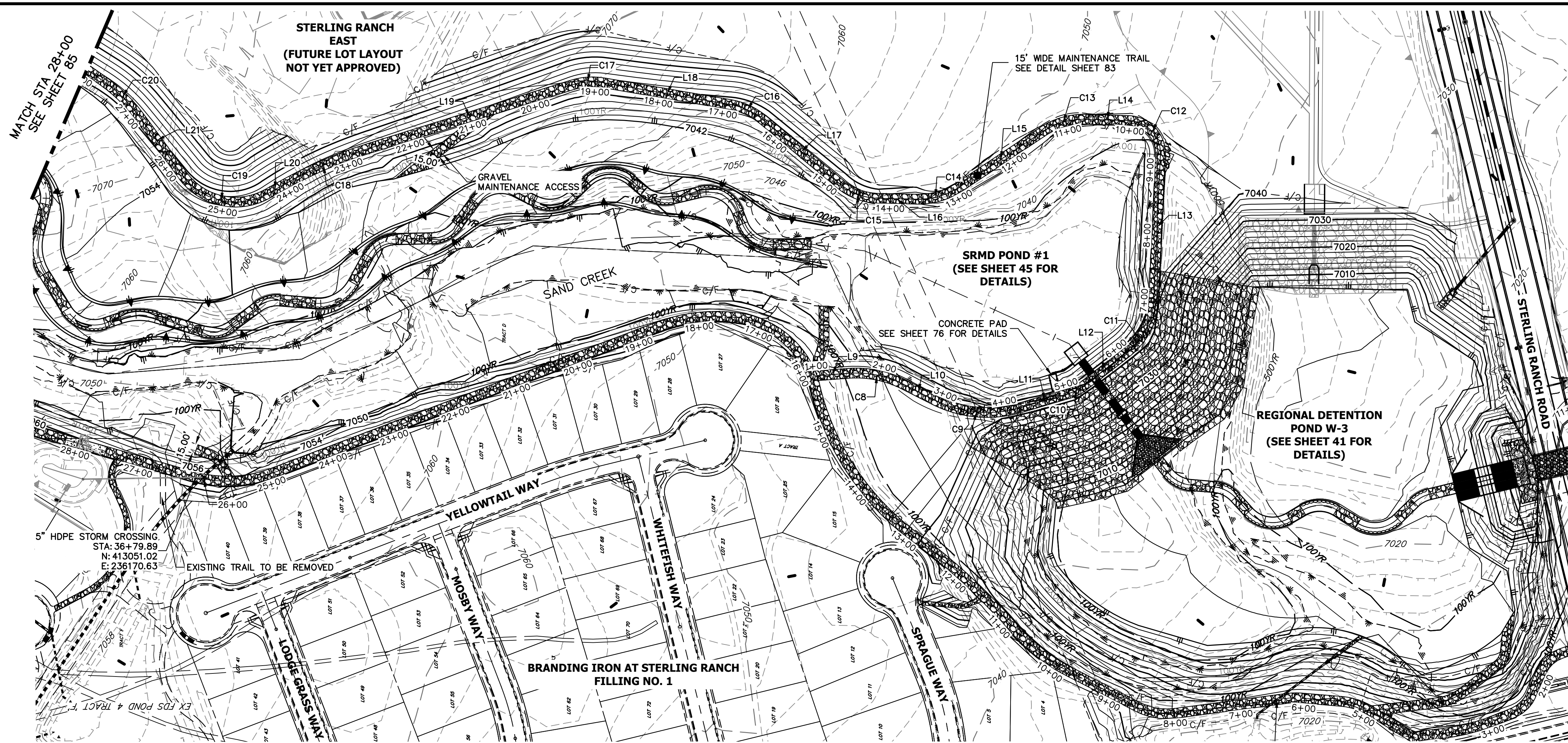
Mike Bramlett

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



FOR AND ON BEHALF OF JR ENGINEERING

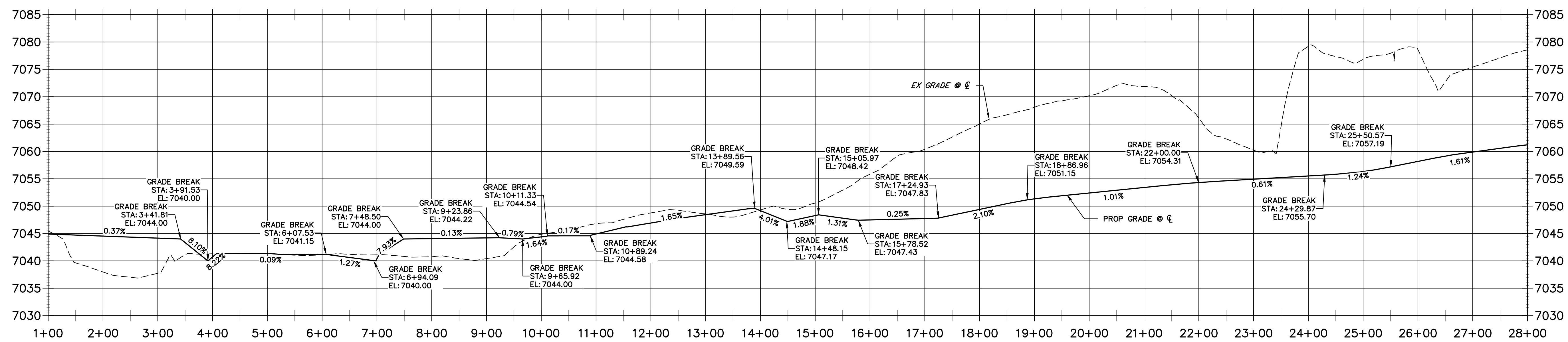
SAND CREEK RESTORATION	AGRIDRAIN DETAILS	DESIGNED BY	R.C.B.	DATE	4/18/23
		DRAWN BY	R.C.B.	CHECKED BY	
JOB NO. 25188.04		SHEET 82 OF 121		PREPARED FOR	
		SR LAND, LLC		20 BOULDER CRESCENT	
		2ND FLOOR		COLORADO SPRINGS, CO 80903	
		JAMES F. MORLEY		(719) 419-3024	
		J.R. ENGINEERING		A Westman Company	
		Central 303-740-9888 • Colorado Springs 719-583-2583		Fort Collins 970-491-9888 • www.jrengineering.com	
		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.			



LINE TABLE		
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 TABLE			
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

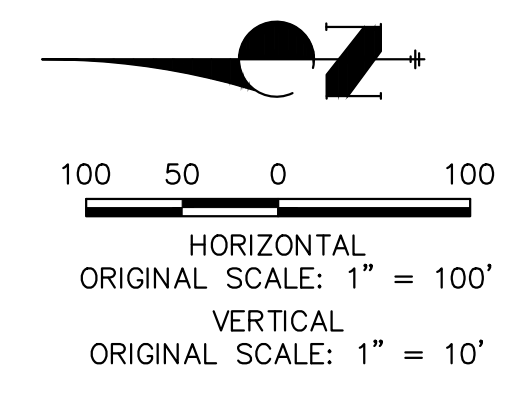
- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
 NORTHING = 411416.273
 EASTING = 235167.071
 ELEVATION = 7023.42
- THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION
 NORTHING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

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 300-740-9888 • Colorado Springs 719-583-2593
 Fort Collins 970-491-9888 • www.jrengineering.com

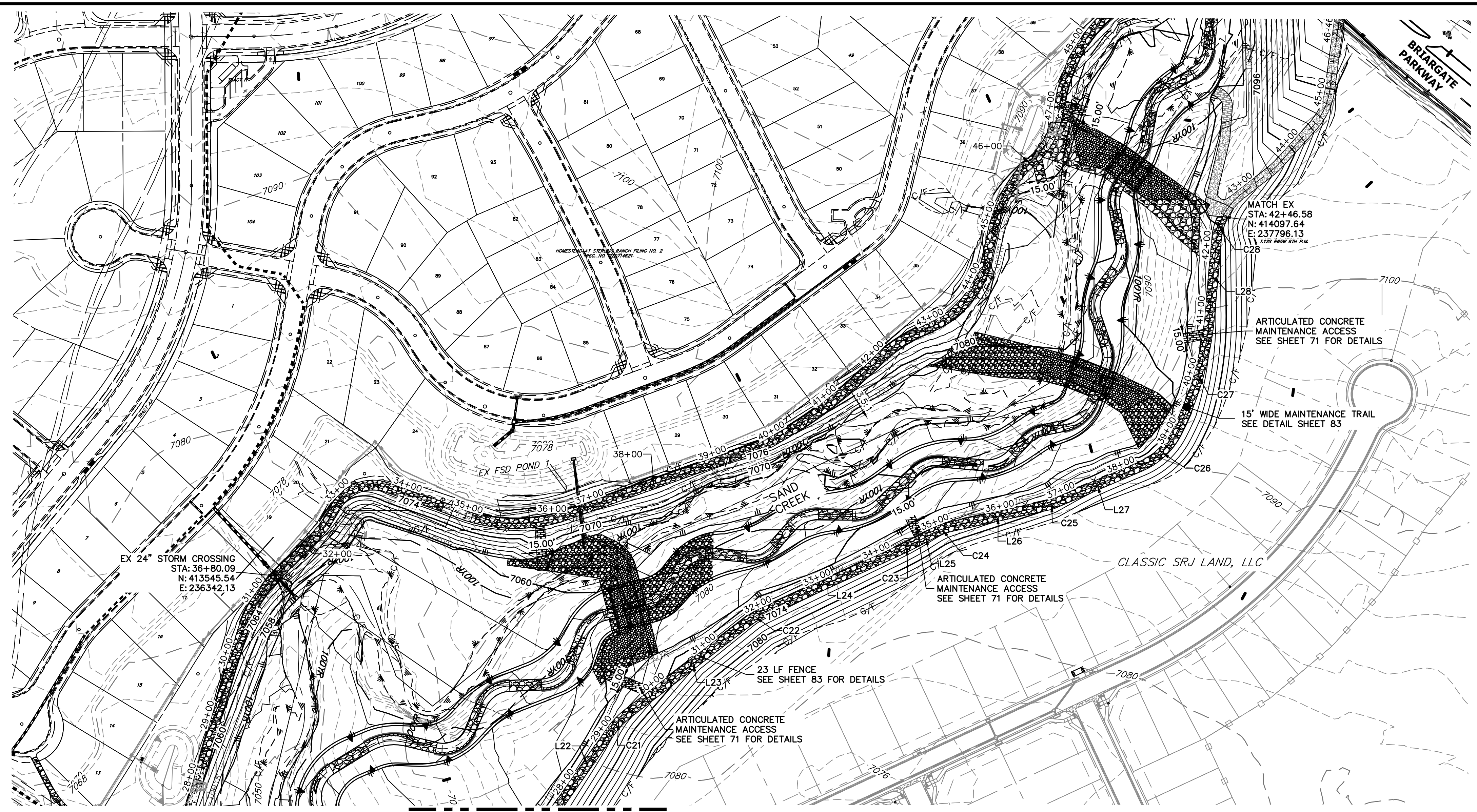
BY: _____ DATE: _____

No. REVISION

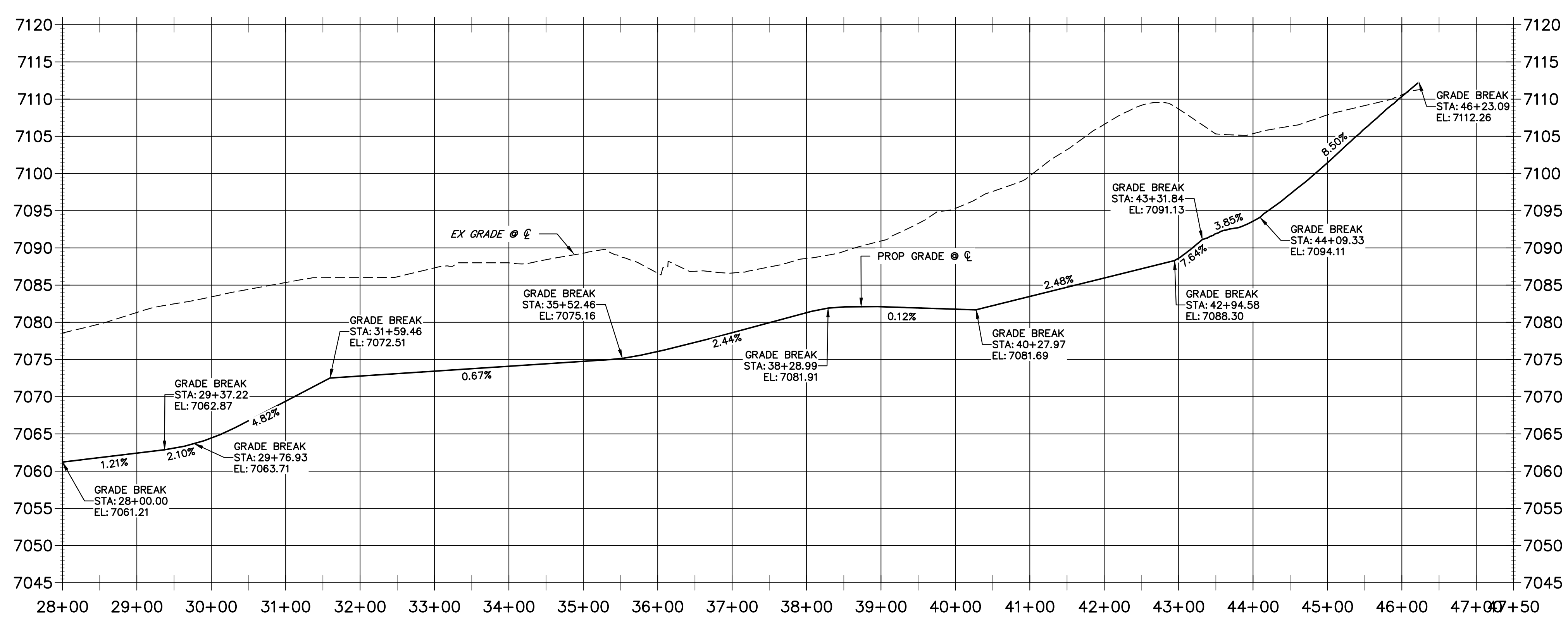
H-SCALE	1"=100'
V-SCALE	1"=10'
DATE	4/18/23
DESIGNED BY	NEO
DRAWN BY	NEO
CHECKED BY	

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

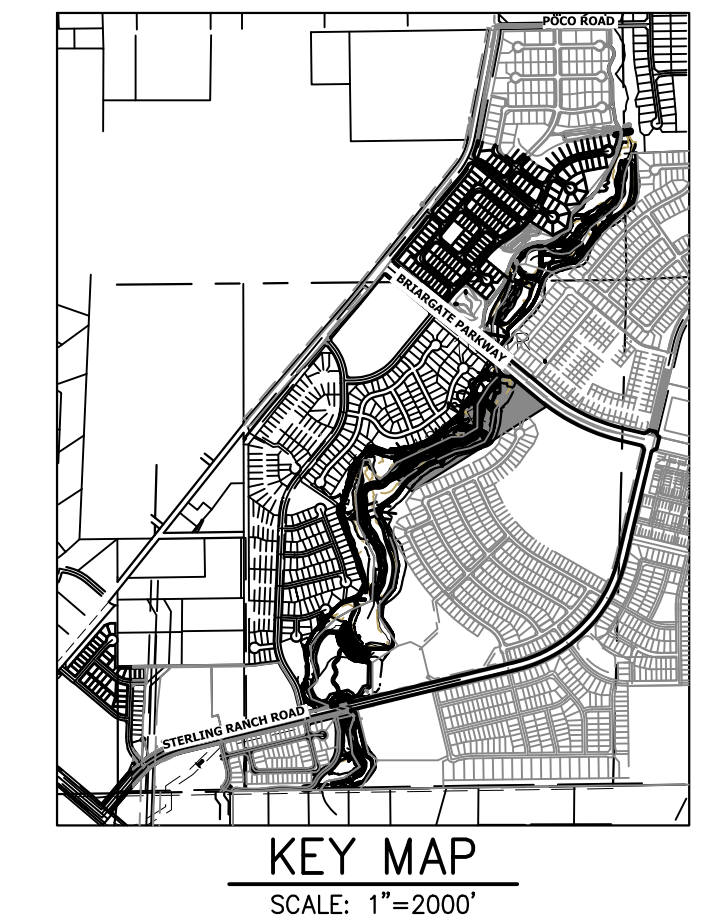
BASIS OF BEARINGS

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



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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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 Centennial 303-740-9888 • Colorado Springs 719-583-2683
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BY DATE

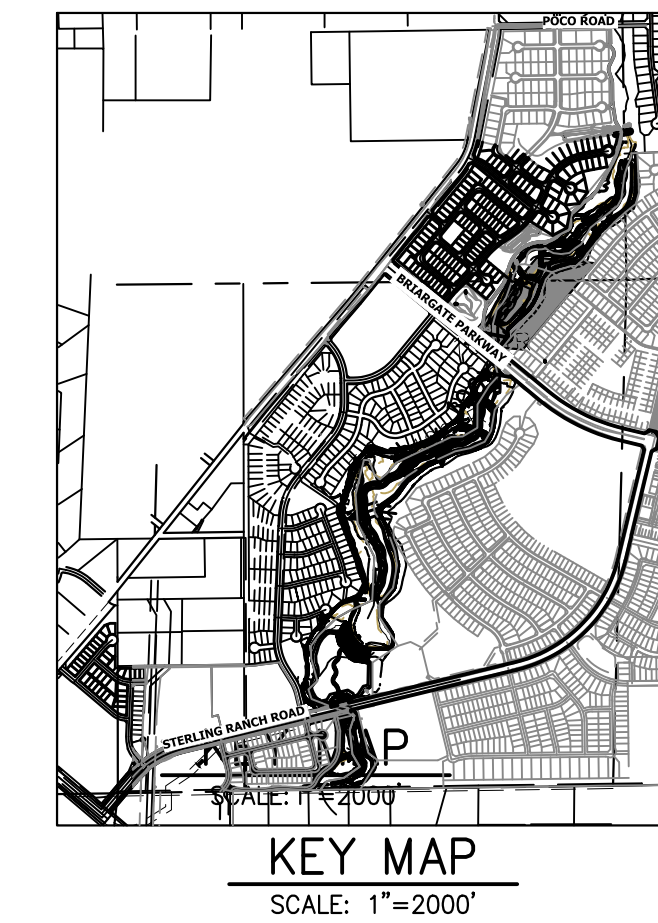
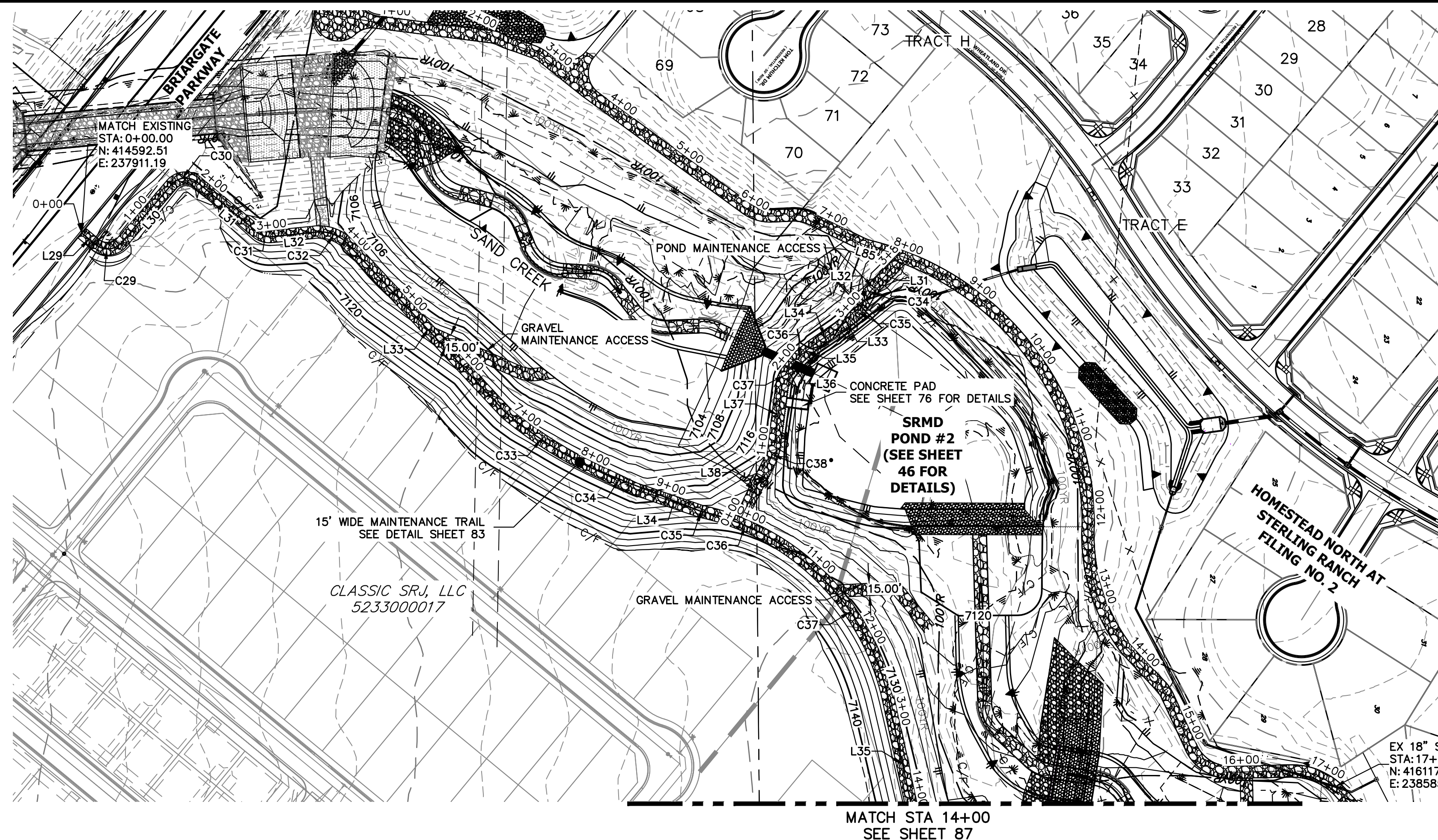
No.	REVISION	DATE	DESIGNED BY	DRAWN BY	CHECKED BY

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

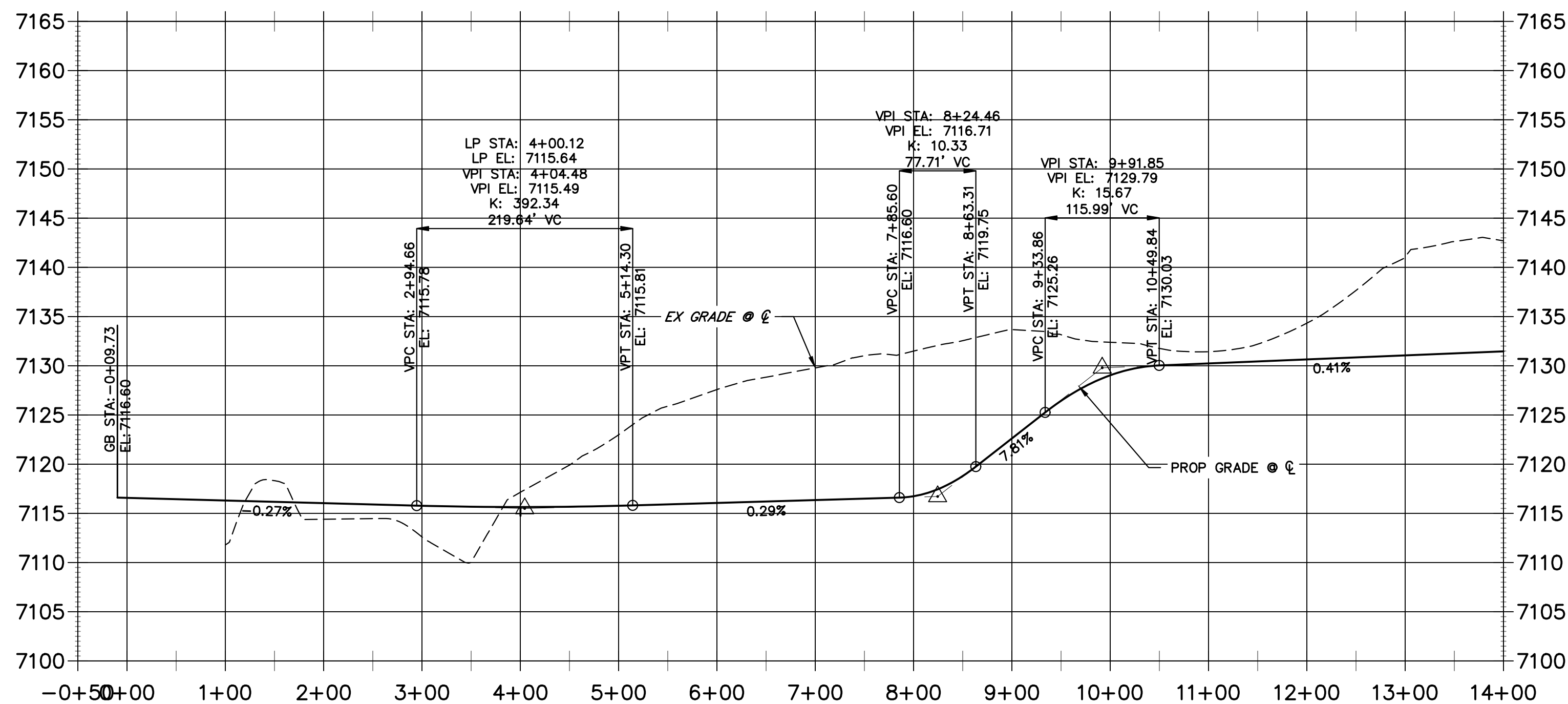




LINE	BEARING	DISTANCE
L29	S39°45'04"W	22.07'
L30	S49°15'42"E	93.20'
L31	S39°50'06"W	94.81'
L31	N46°08'35"W	46.35'
L32	S05°34'19"E	53.17'
L32	N59°51'43"W	20.33'
L33	N38°17'54"W	24.47'
L33	N46°58'58"W	276.46'
L34	N34°31'49"W	39.44'
L34	N21°40'00"E	47.11'
L35	N39°58'37"W	16.86'
L35	N77°47'23"E	159.50'
L36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

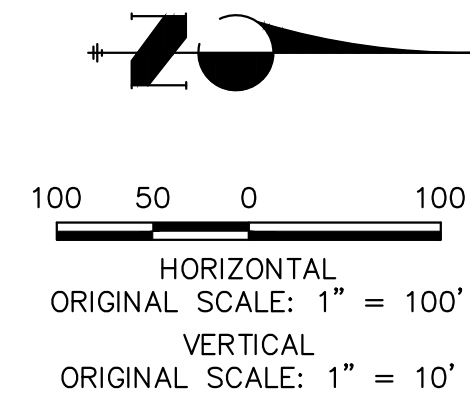
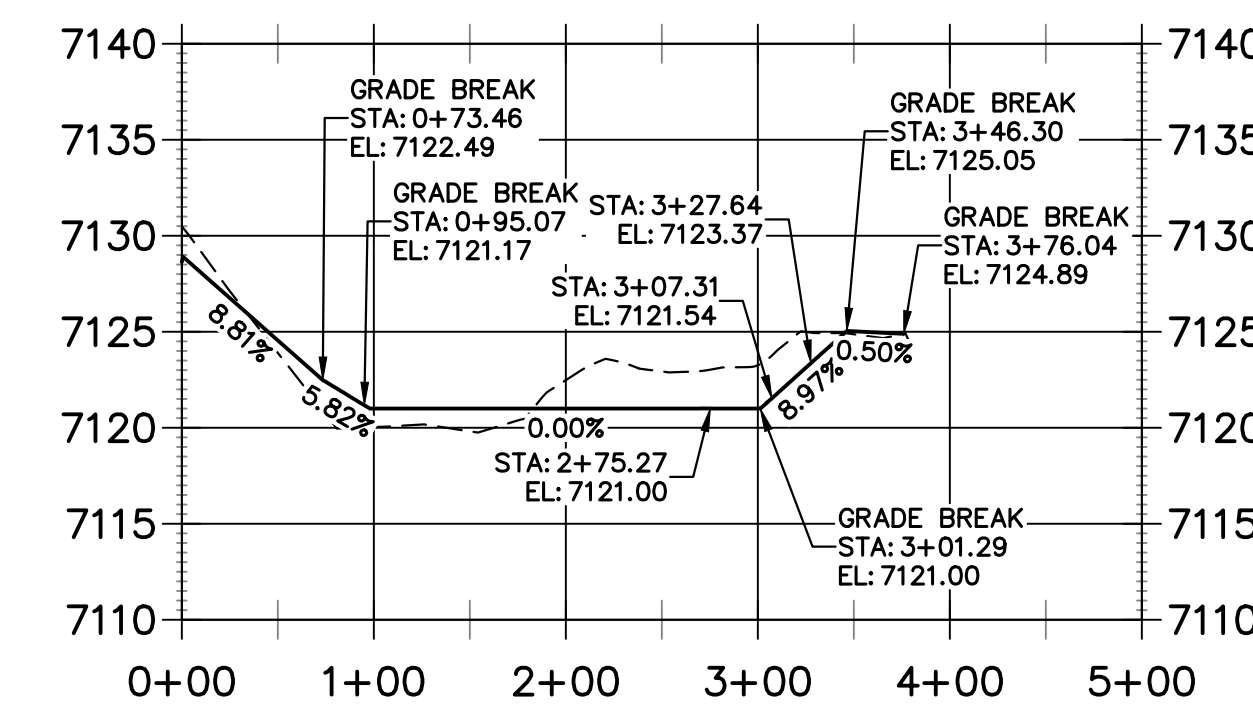
NOTES:

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.

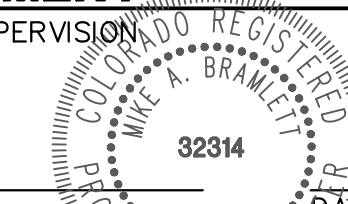
**POND MAINTENANCE ACCESS TRAIL PROFILE REACH 3
STA 0+00.00 TO 5+00.00**



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



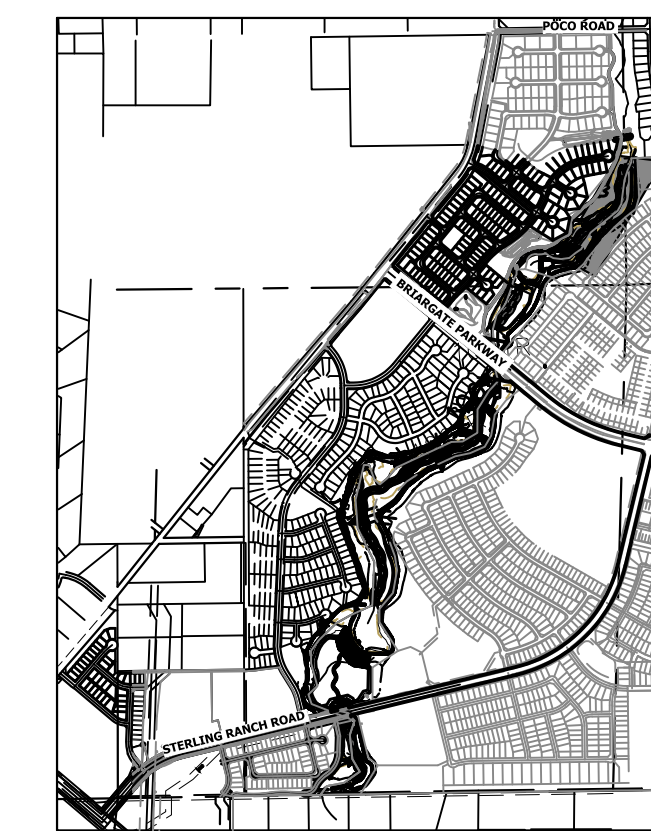
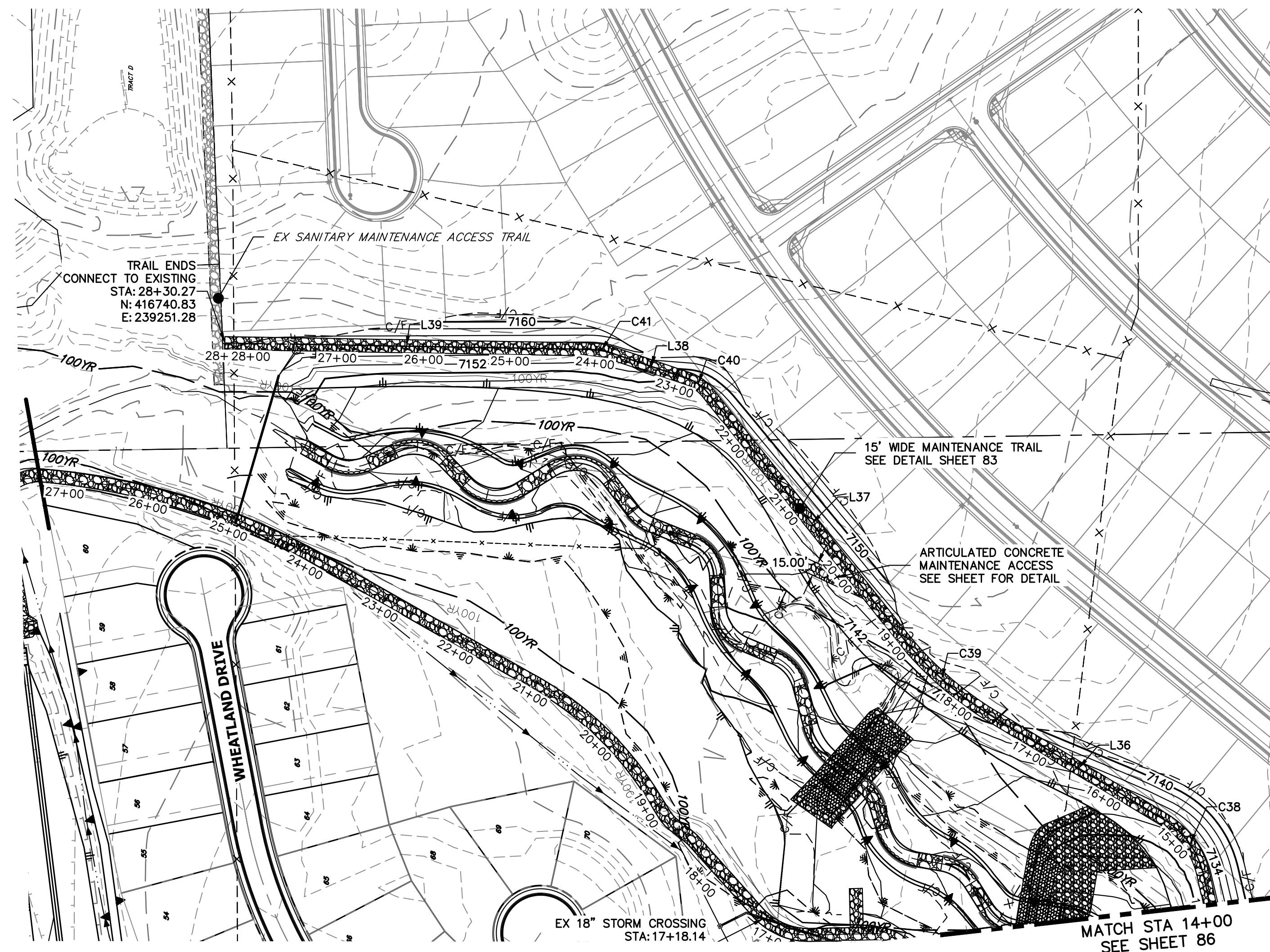
4/18/23

SAND CREEK RESTORATION	BY	DATE							
	NO. REVISION								
MAINTENANCE ACCESS PLAN & PROFILE	H-SCALE	1"=100'							
	V-SCALE	1"=10'							
	DESIGNED BY	4/18/23	NEO						
	DRAWN BY		NEO						
	CHECKED BY								
	SHEET	86	OF	121					
	JOB NO.	25188.04							

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

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



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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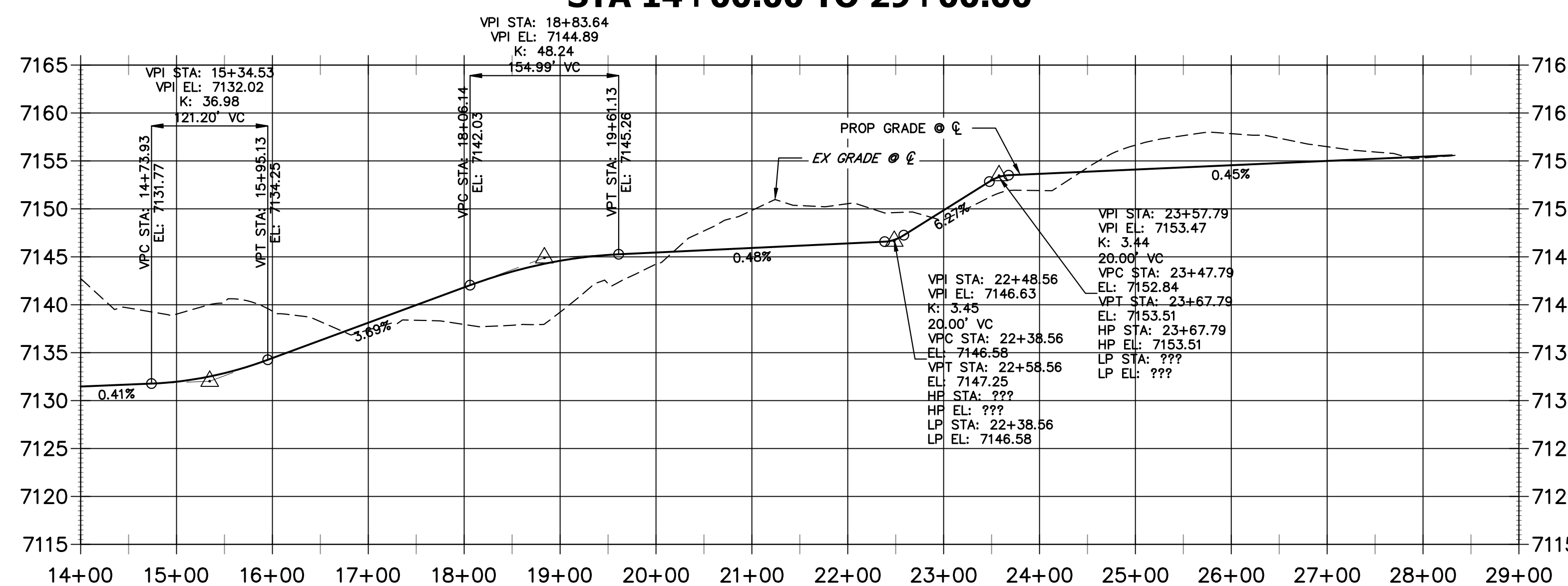
J.R. ENGINEERING
 A Westman Company

 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

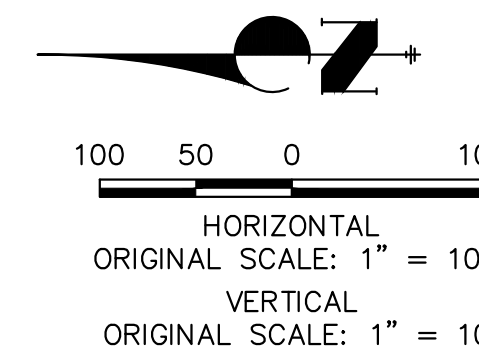


BENCHMARK

- 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

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

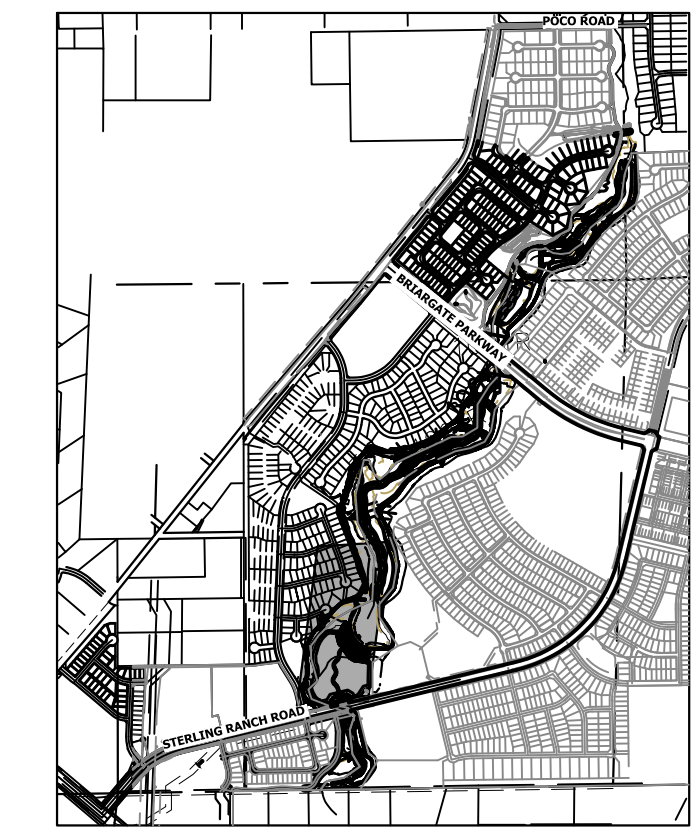
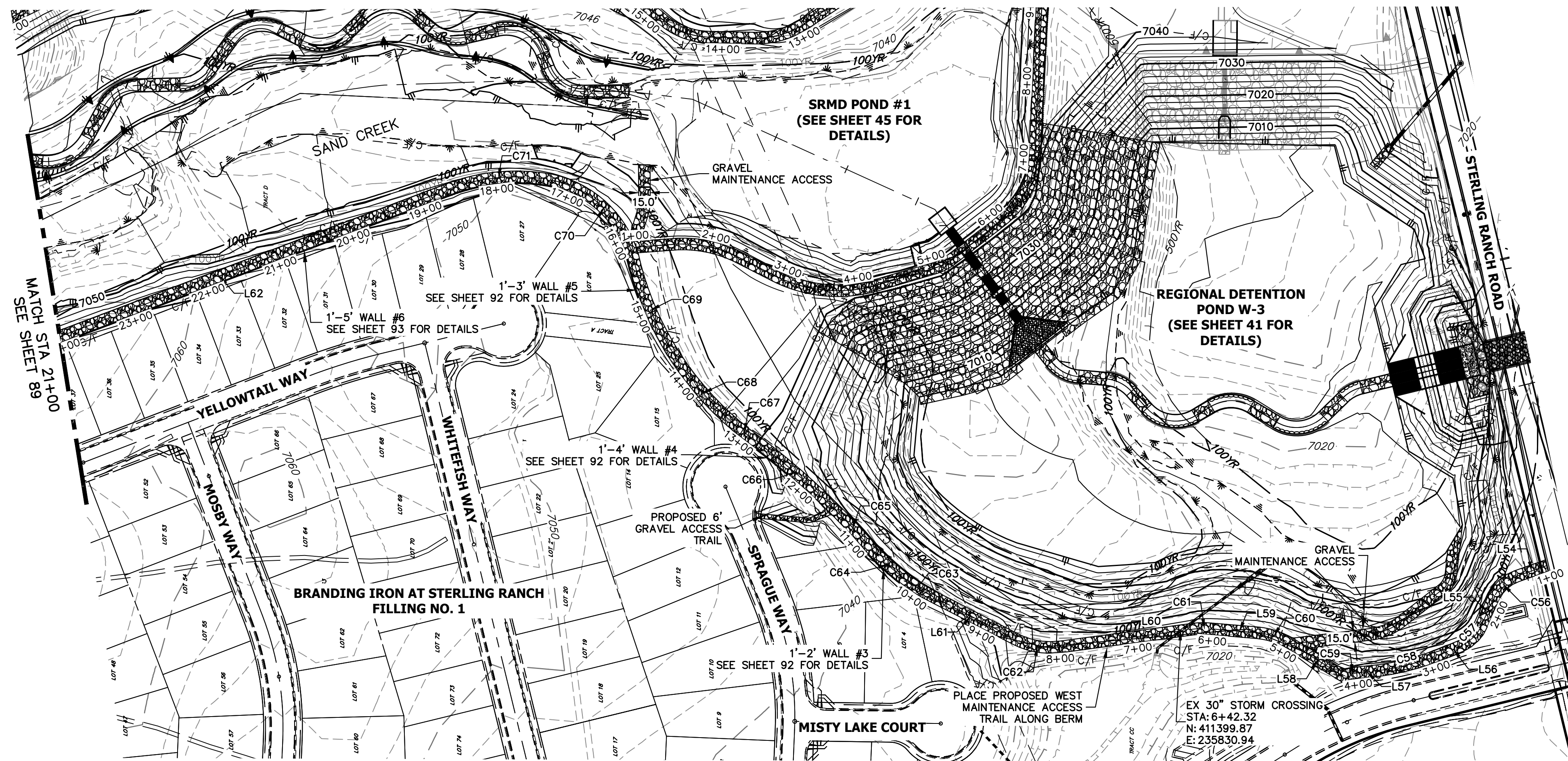
Mike Bramlett
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING, INC.
 4/18/23

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'

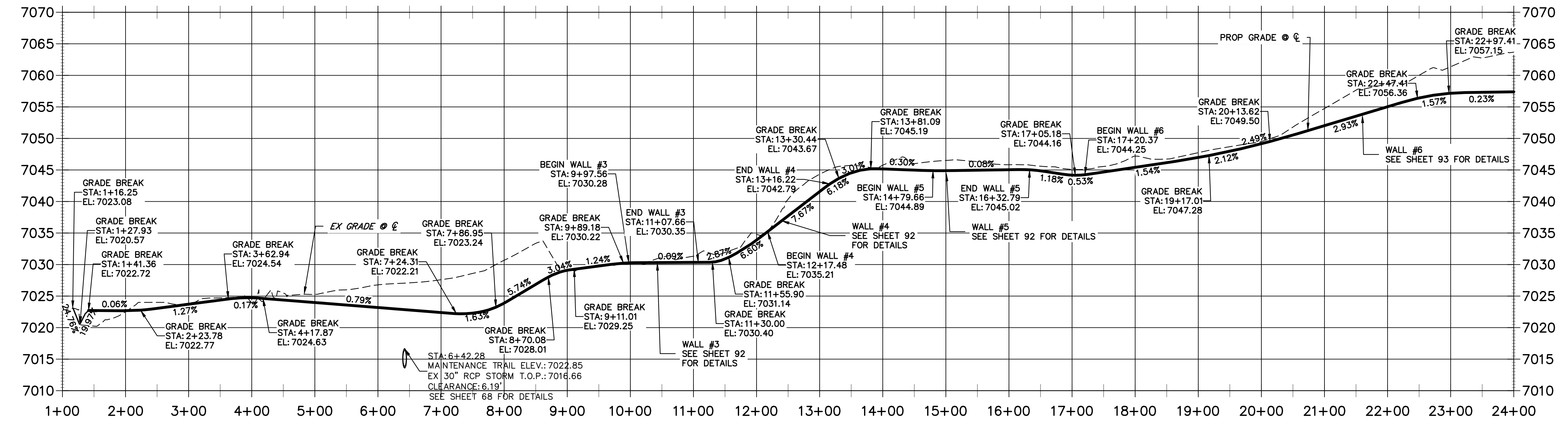
LINE TABLE

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'

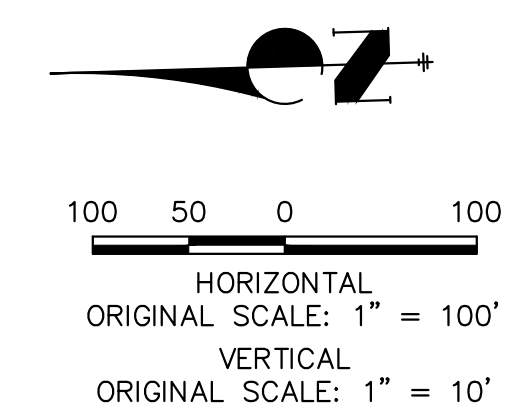
**WEST MAINTENANCE ACCESS TRAIL PROFILE REACH 2
STA 1+00.00 TO 24+00.00**



- 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.

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

DATE: 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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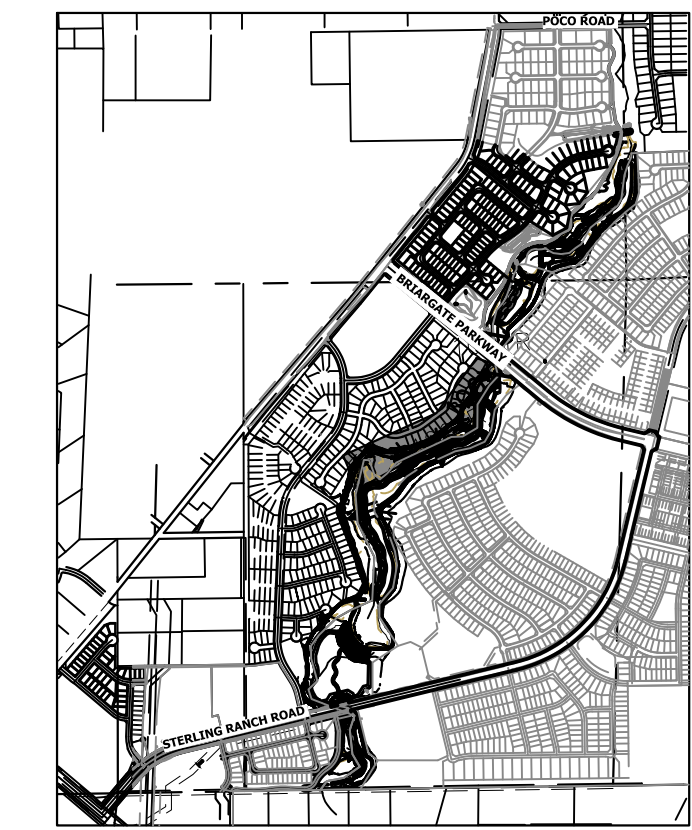
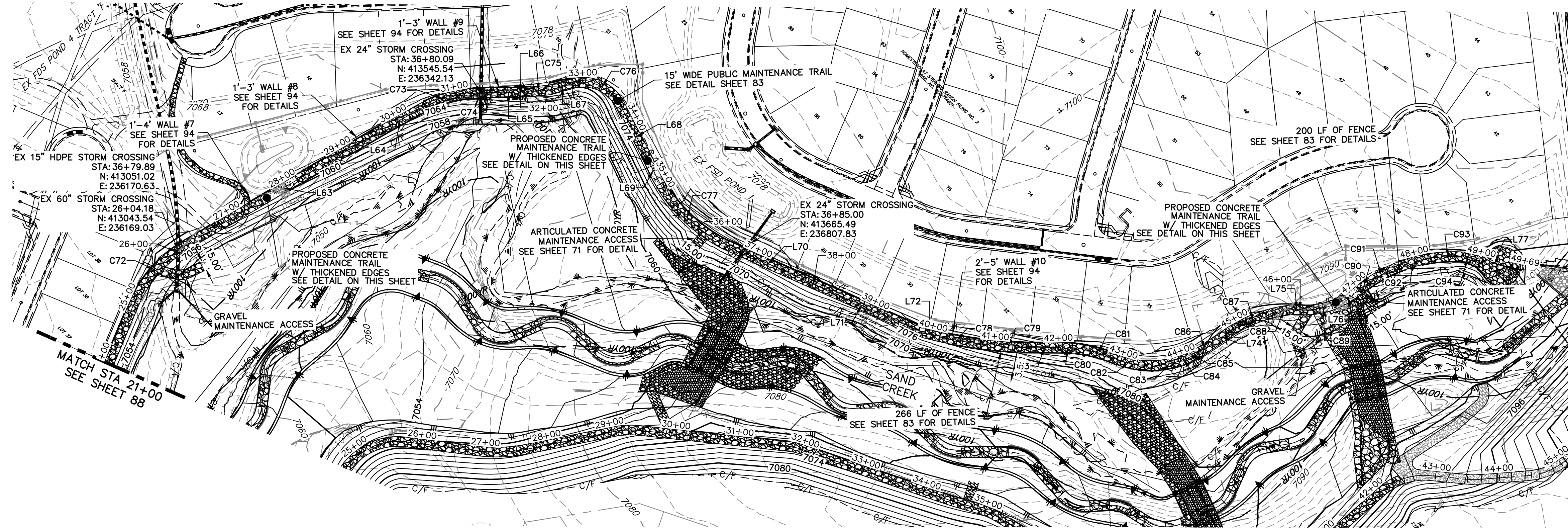
BY: [Signature] DATE: [Blank]

NO. REVISION: [Blank]

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

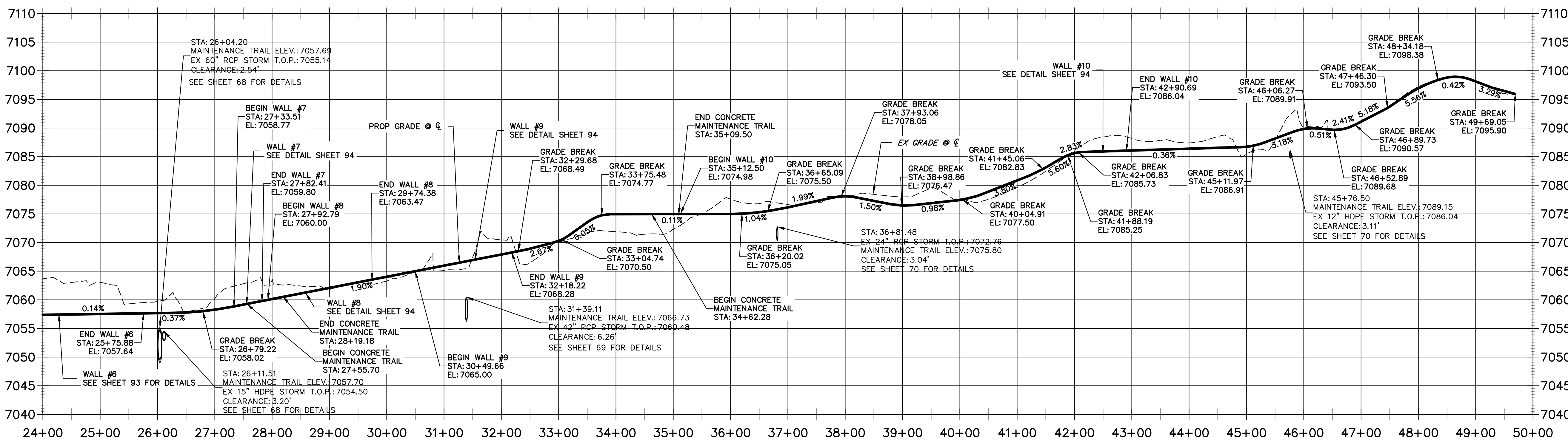
**SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN
& PROFILE**

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**

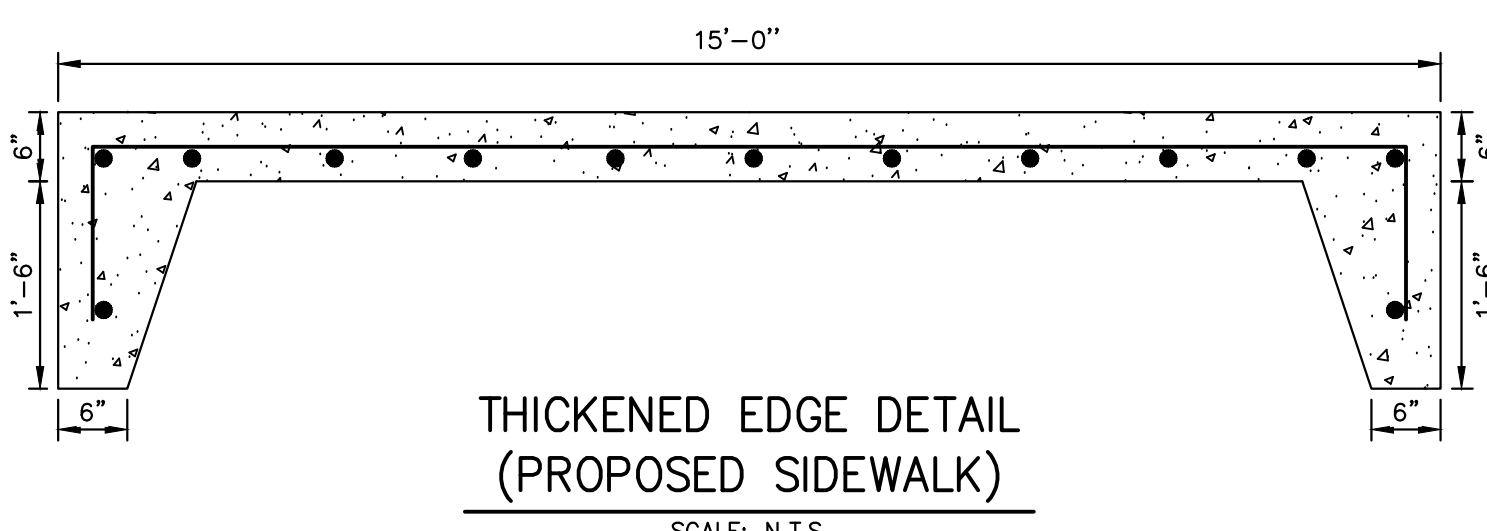


CURVE TABLE

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 = 410095.962
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.

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
Central 303-740-9888 • Colorado Springs 719-583-2583
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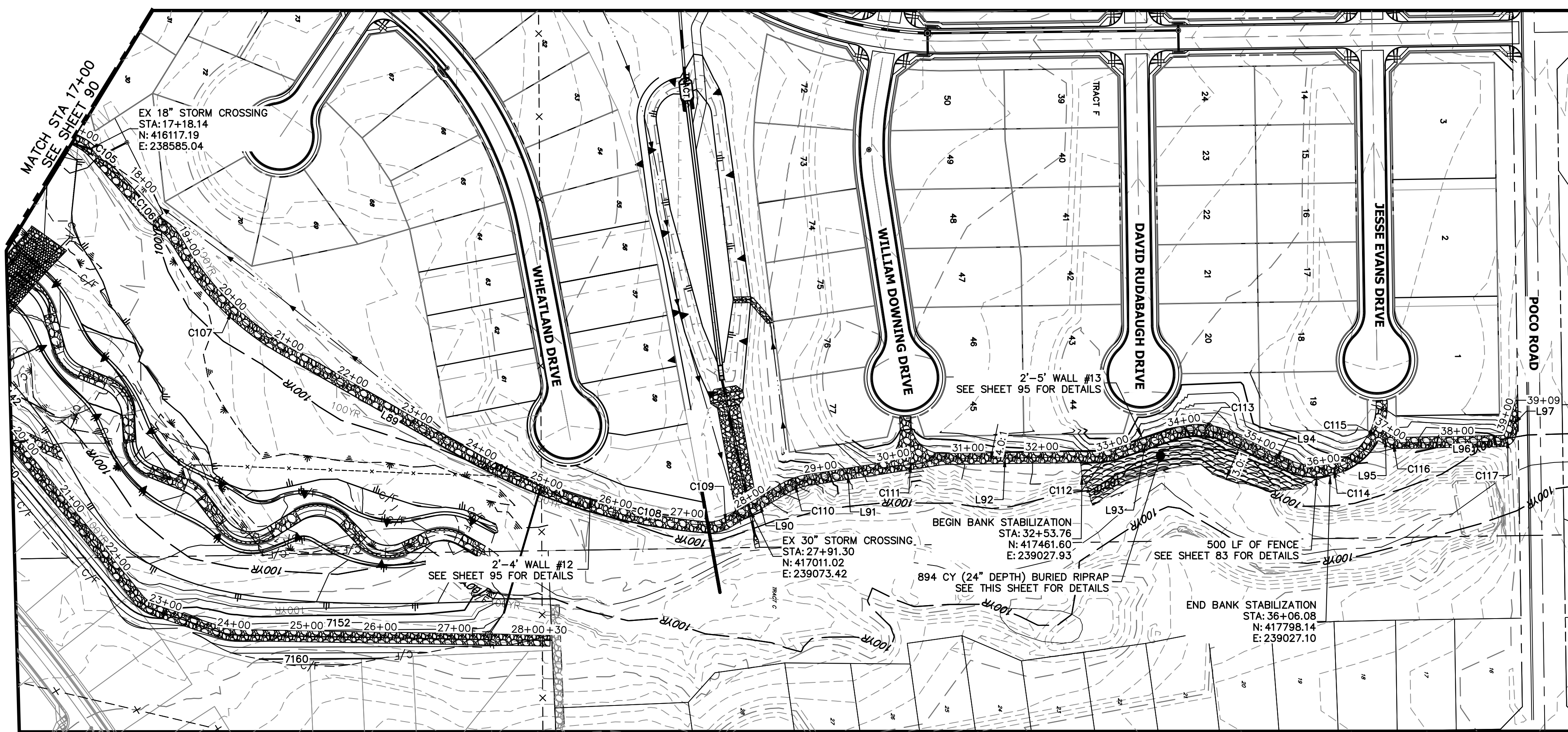
BY: [] DATE: []

No. REVISION

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

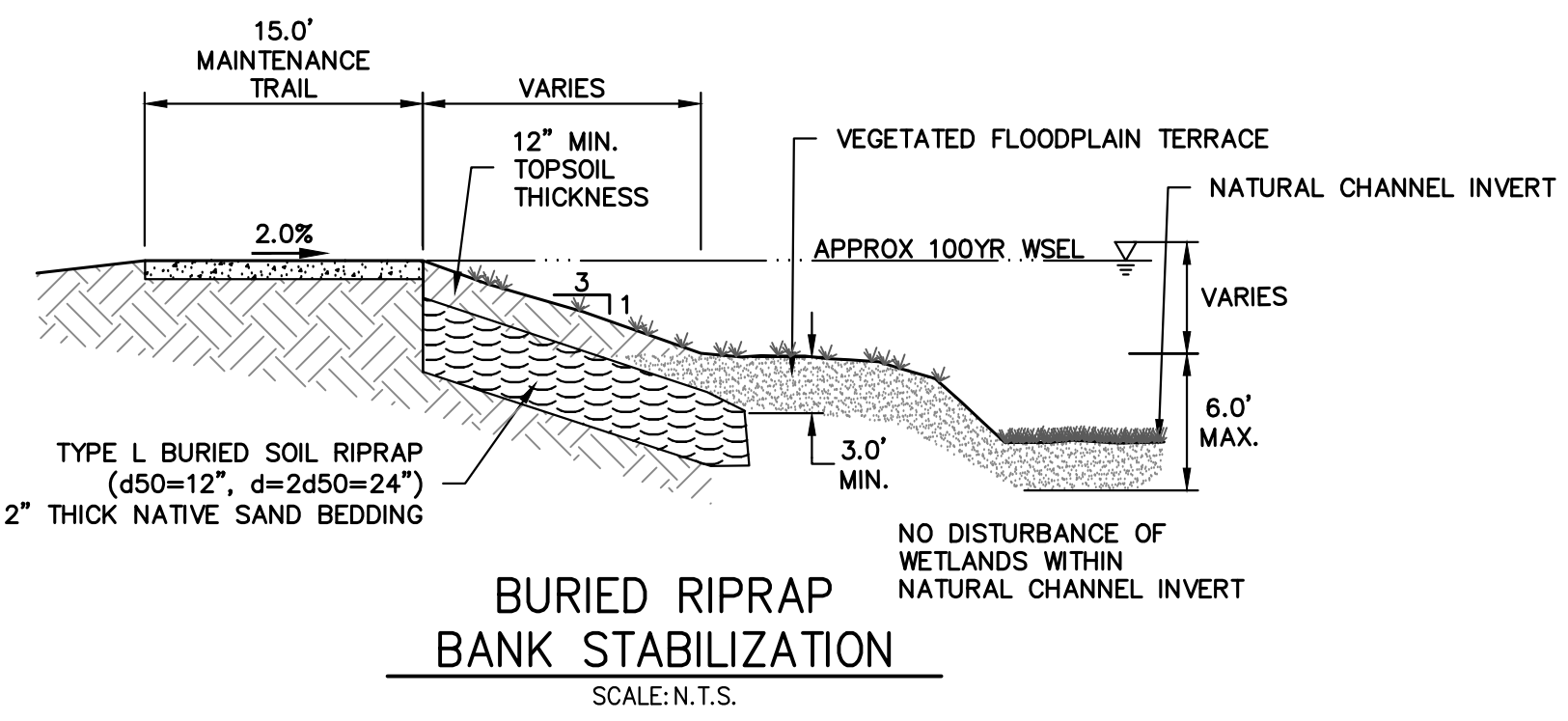
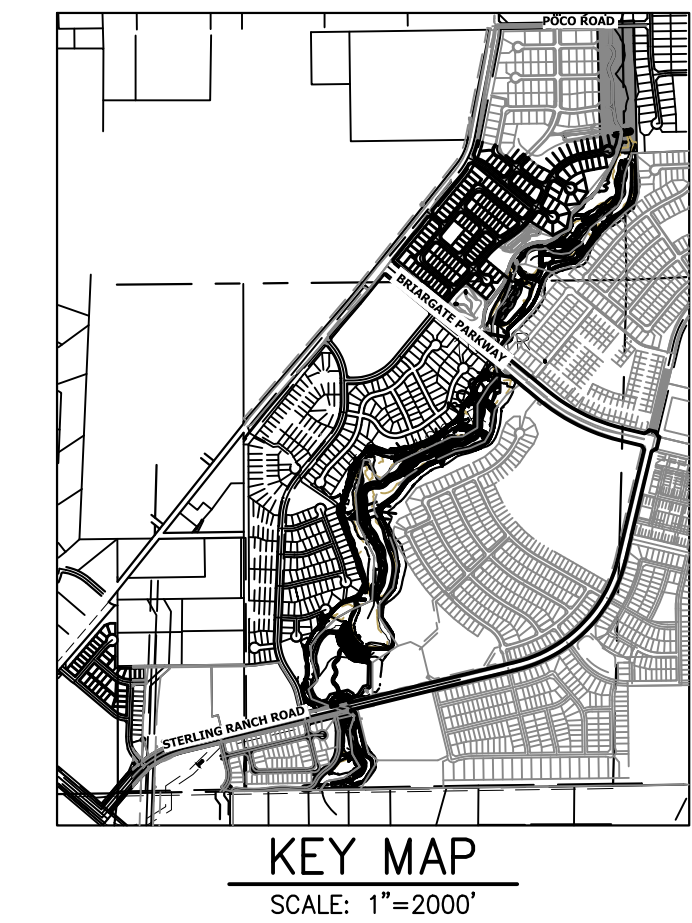
**SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN
& PROFILE**

SHEET 89 OF 121
JOB NO. 25188.04

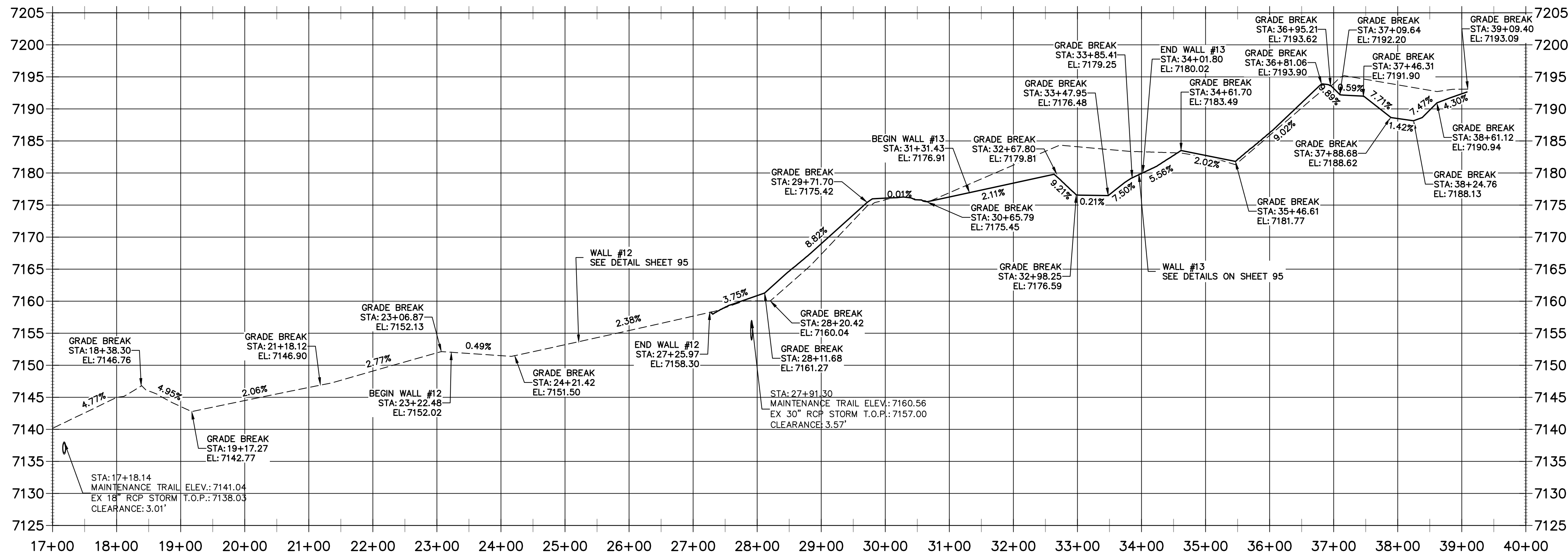


CURVE	DELTA	RADIUS	LENGTH
C105	7°06'54"	302.74'	37.59'
C106	23°51'40"	357.55'	148.90'
C107	29°59'00"	404.13'	211.49'
C108	25°58'25"	697.22'	316.06'
C109	36°32'28"	50.00'	31.89'
C110	22°05'57"	100.00'	38.57'
C111	6°18'13"	853.96'	93.95'
C112	17°51'03"	100.00'	31.16'
C113	44°32'40"	100.00'	77.74'
C114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

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

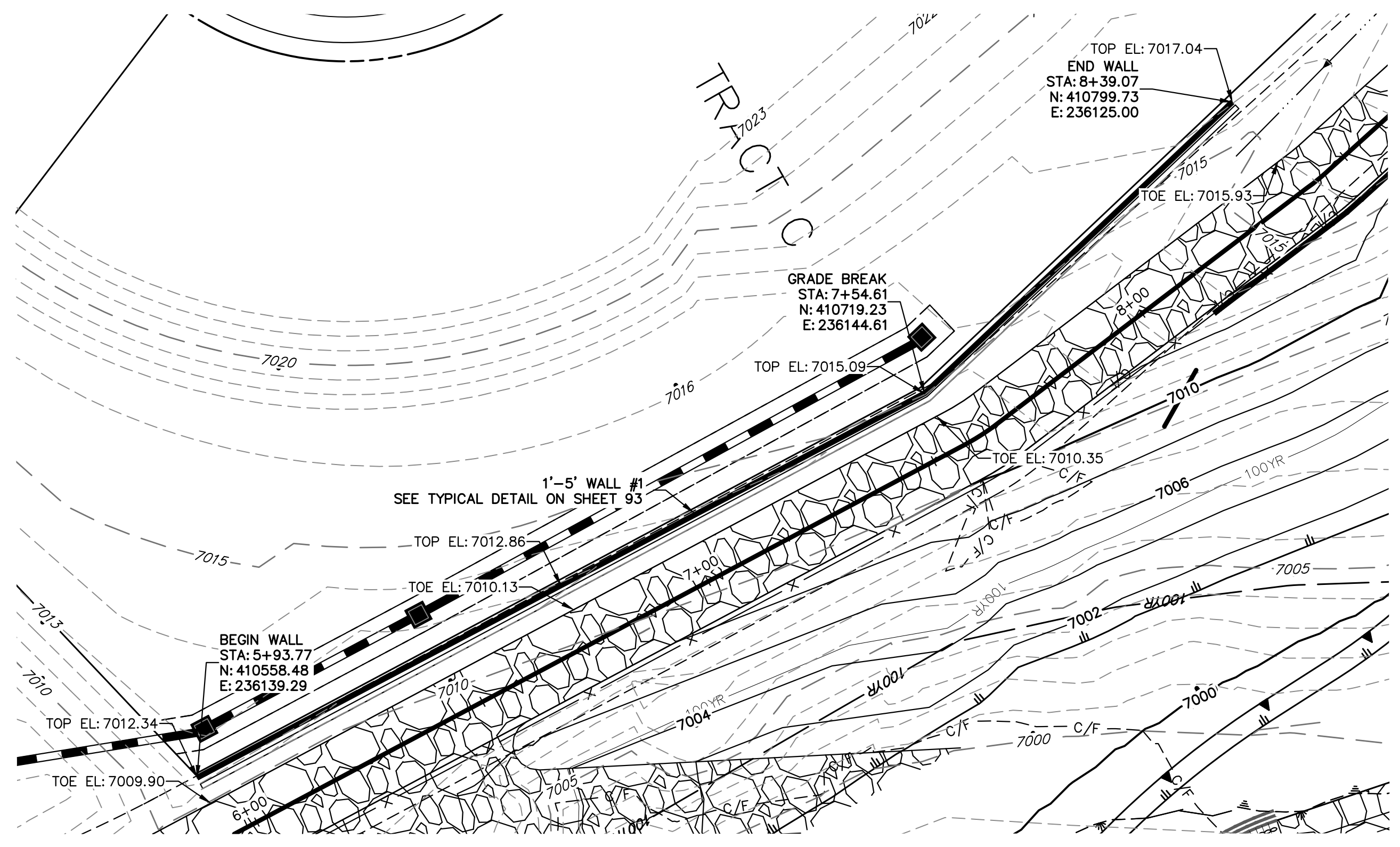
J.R. ENGINEERING
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BY	DATE	REVISION

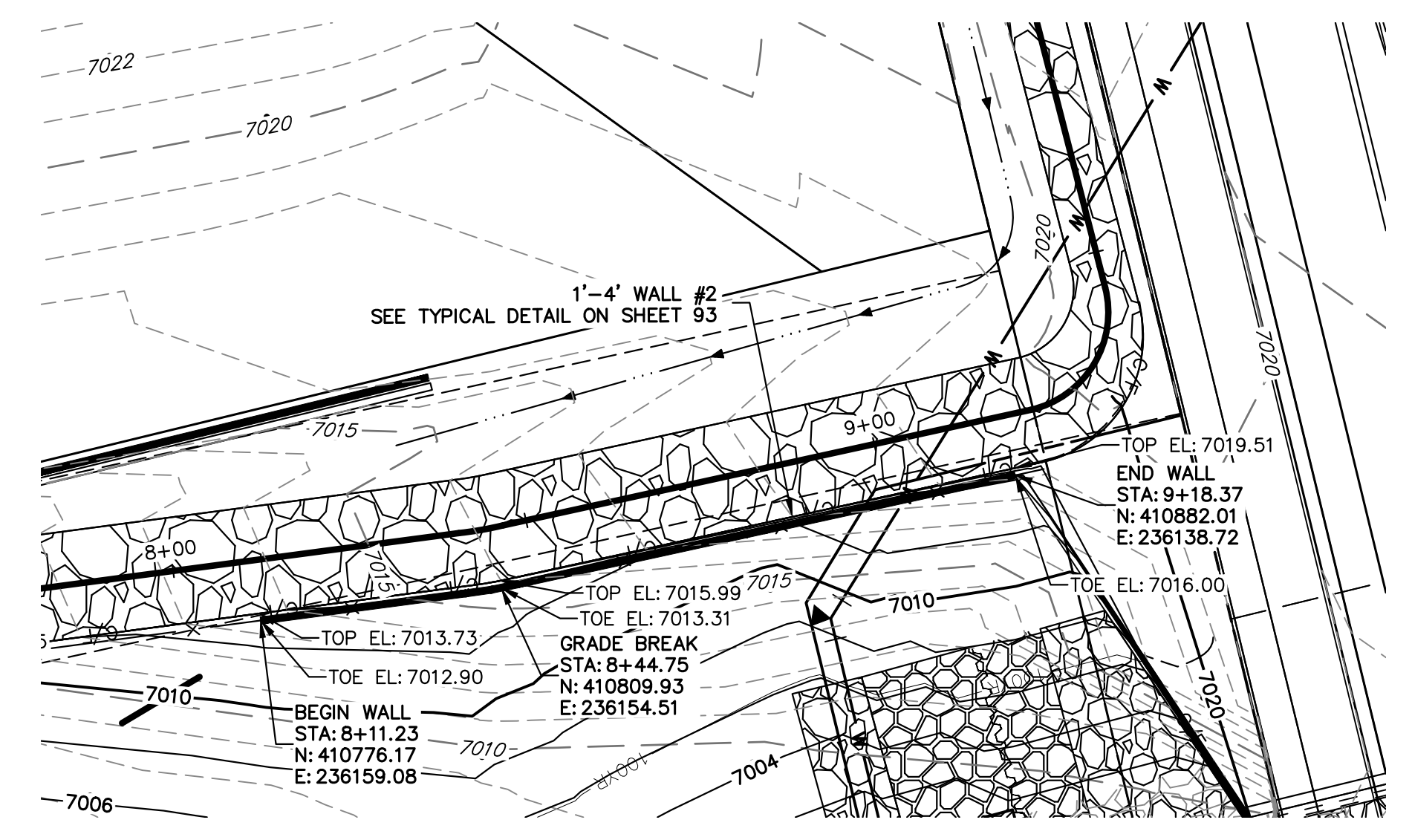
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V-SCALE 1"=10'
DATE 4/18/23
DESIGNED BY NEO
DRAWN BY NEO
CHECKED BY

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

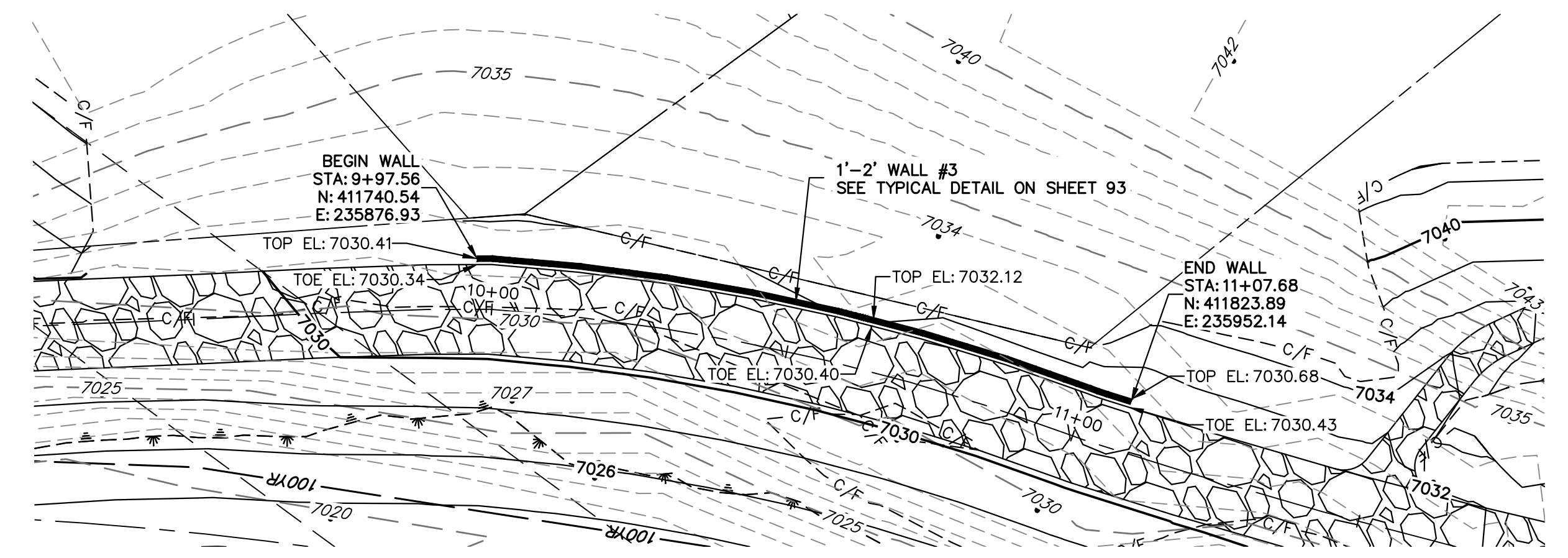
SHEET 91 OF 121
JOB NO. 25188.04



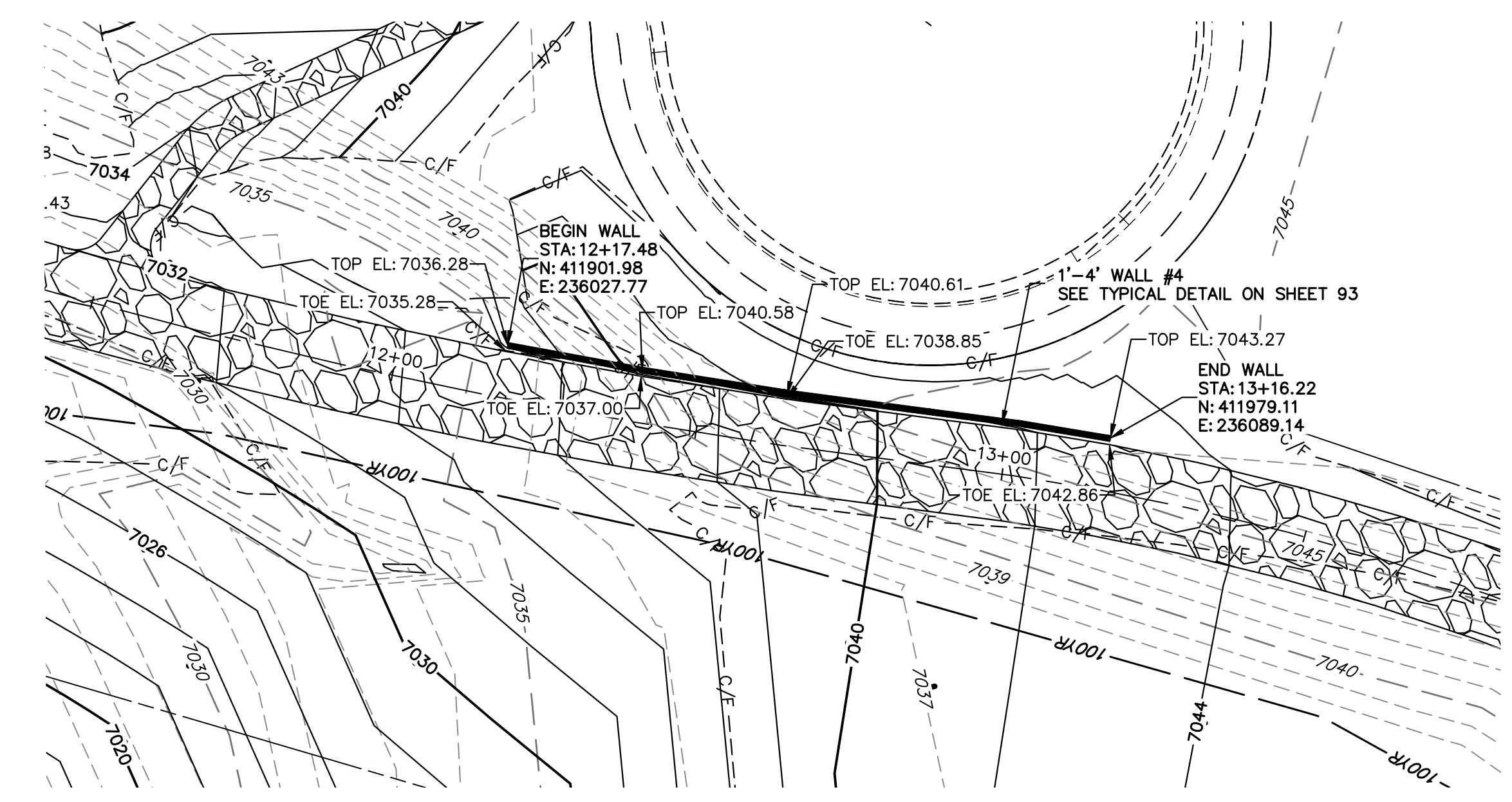
MAINTENANCE TRAIL WALL #1



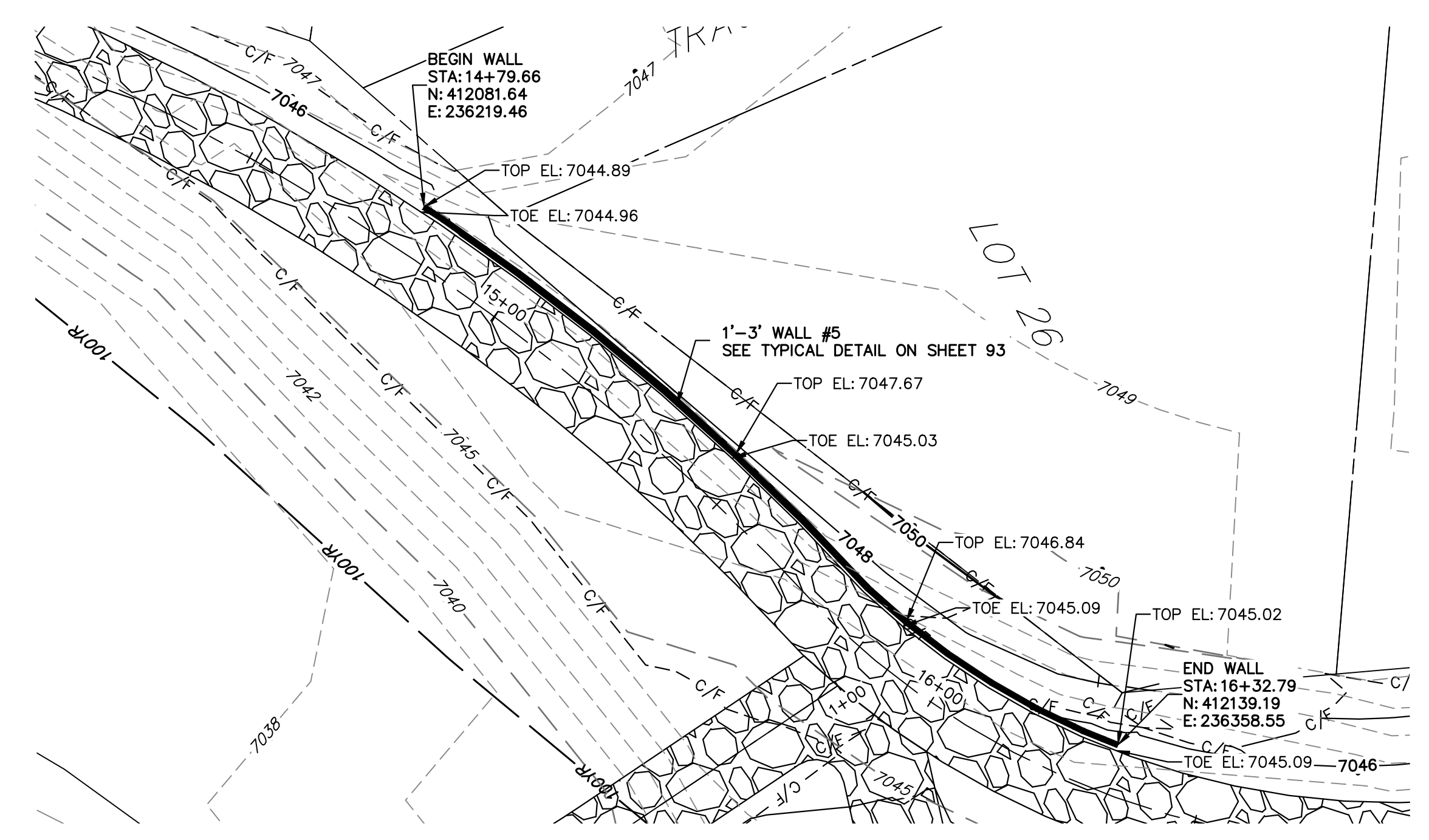
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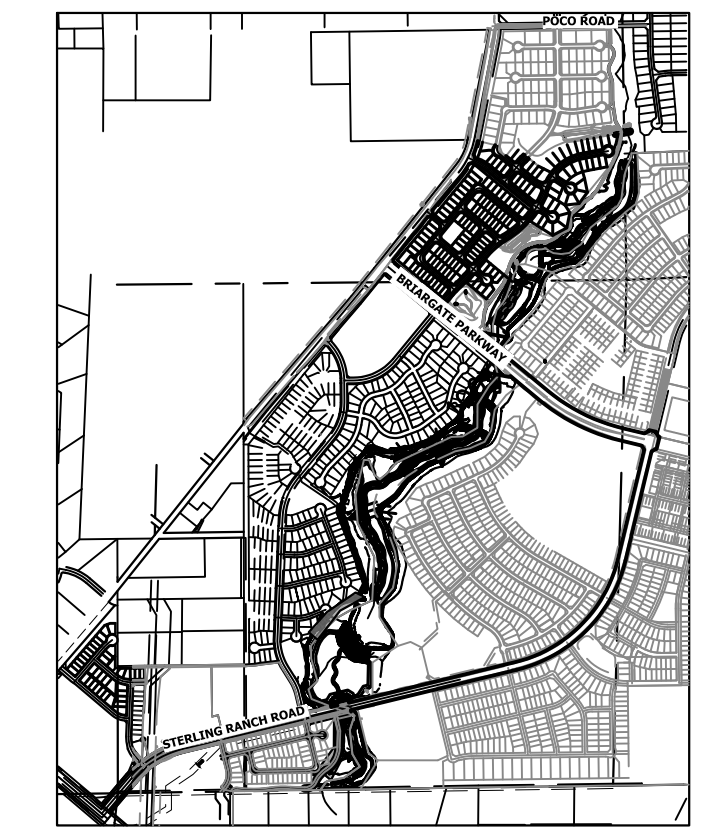
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MAINTENANCE TRAIL WALL #4



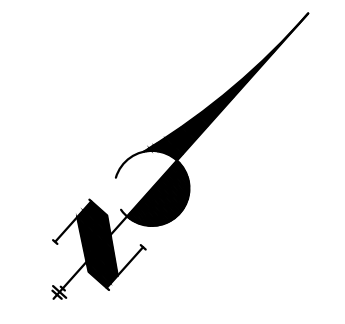
MAINTENANCE TRAIL WALL #5



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



20 10 0 20
 ORIGINAL SCALE: 1" = 20'



NOTES:

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

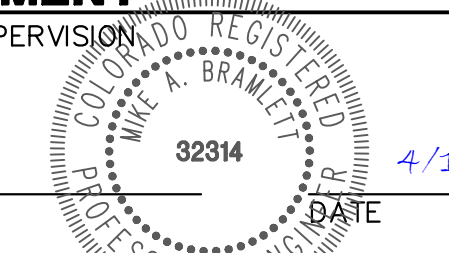
BASIS OF BEARINGS

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 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

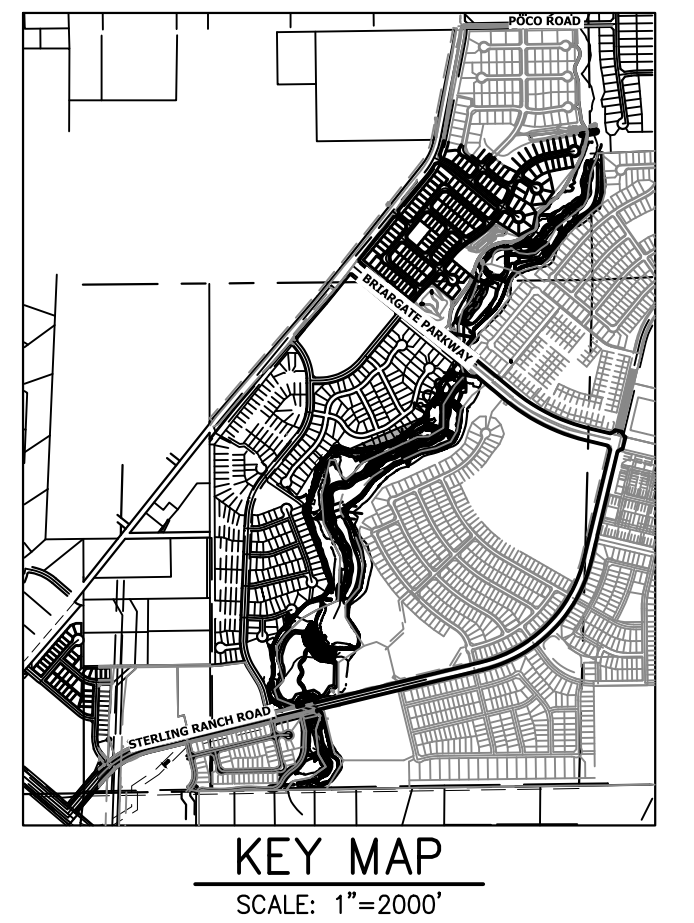
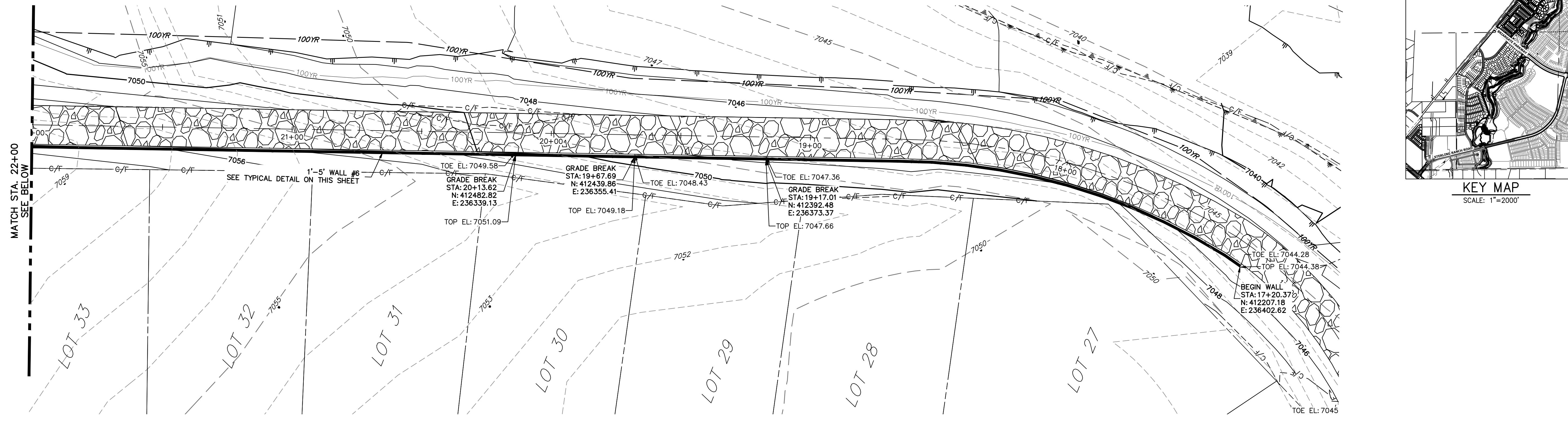
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BY	DATE	NO.	REVISION

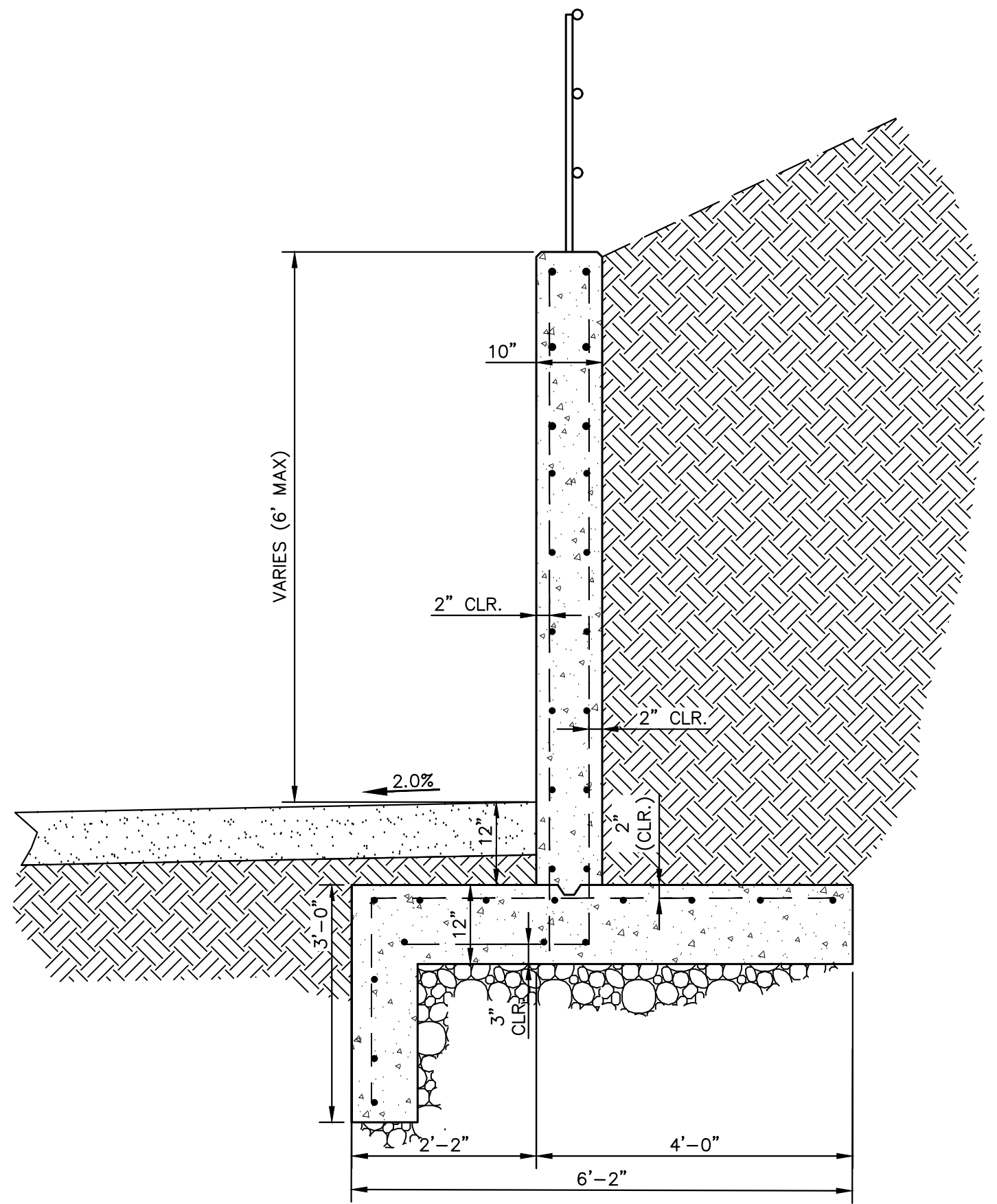
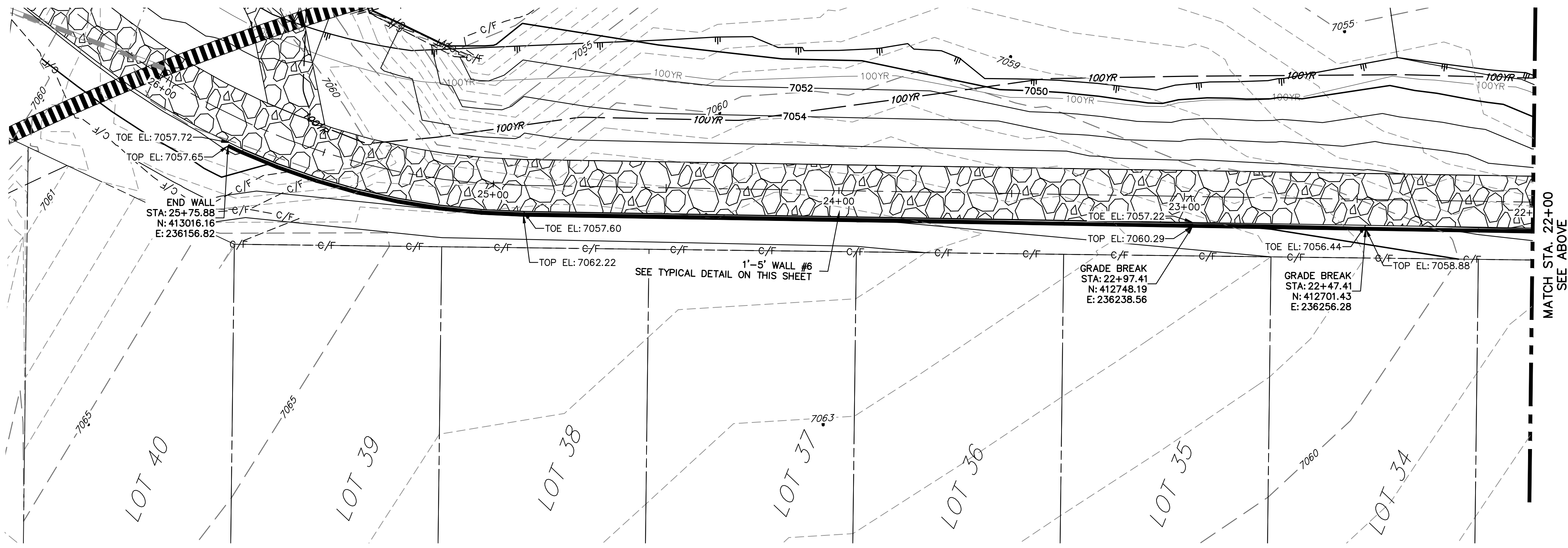
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V-SCALE	N/A
DATE	4/18/23
DESIGNED BY	NEO
DRAWN BY	NEO
CHECKED BY	

SAND CREEK RESTORATION
 MAINTENANCE ACCESS PLAN
 & PROFILE

SHEET 92 OF 121
 JOB NO. 25188.04



MAINTENANCE TRAIL WALL #6

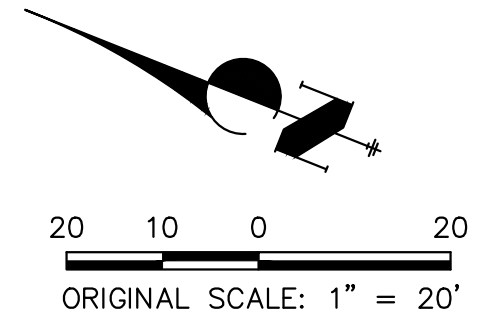


TYPICAL WALL DETAIL
SCALE: NTS

- BENCHMARK**
- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "5853", 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 PANTEE 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.



ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett
MIKE A. BRAMLETT, P.E.
32314
4/18/23

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

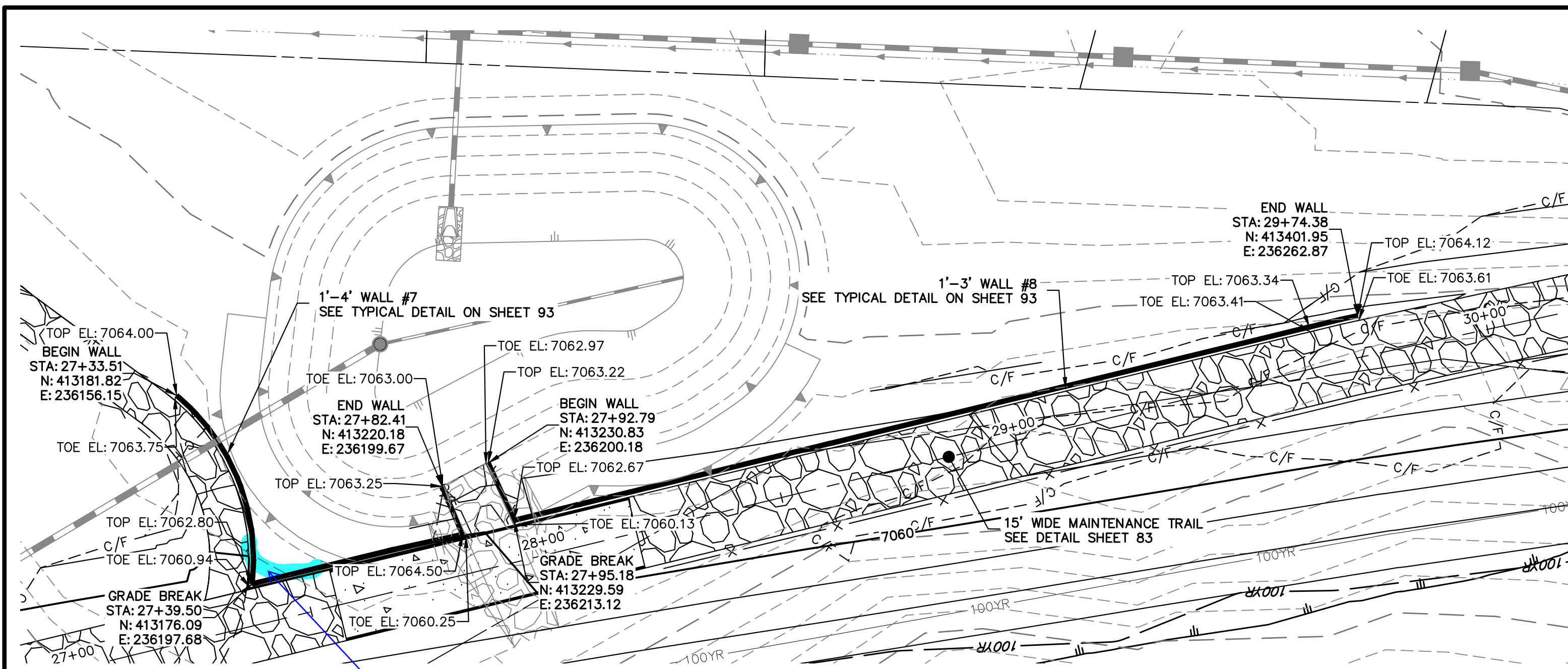
SAND CREEK RESTORATION MAINTENANCE ACCESS PLAN & PROFILE	BY	DATE	No.	REVISION
	H-SCALE	1"=20'		
	V-SCALE	N/A		
	DATE	4/18/23	DESIGNED BY	NEO
	DRAWN BY		CHECKED BY	NEO
	SHEET 93 OF 121		JOB NO. 25188.04	

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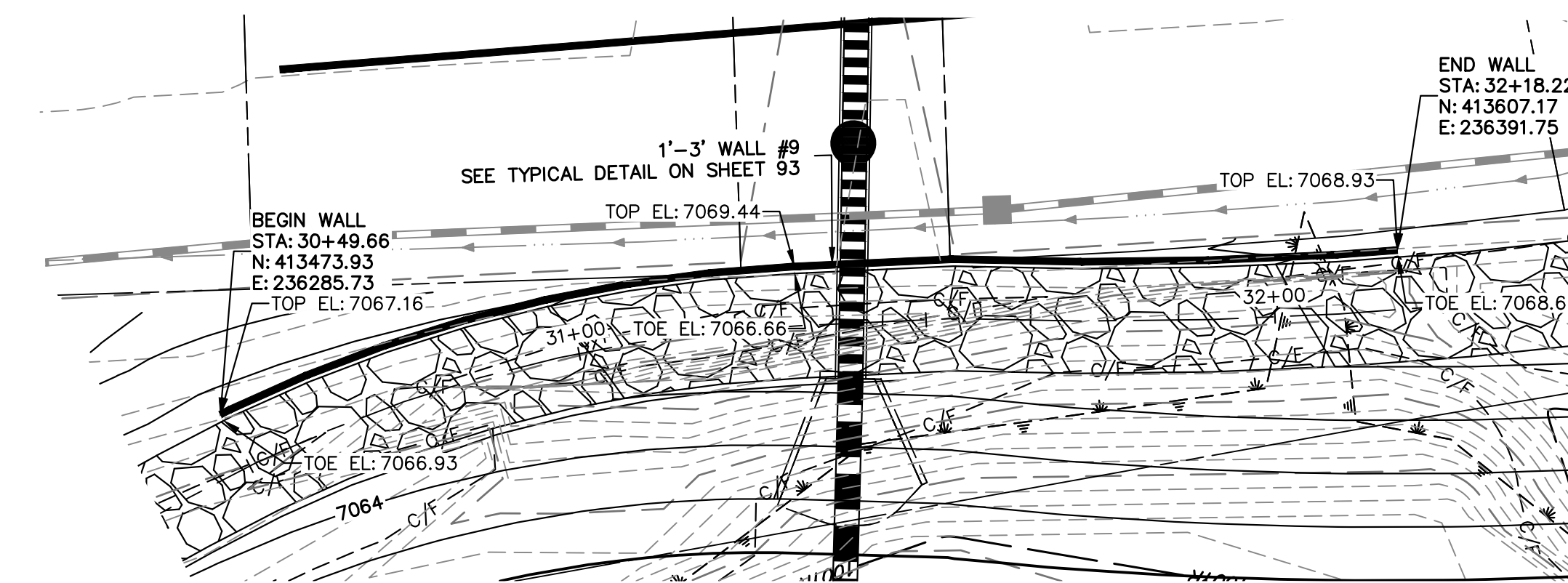
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

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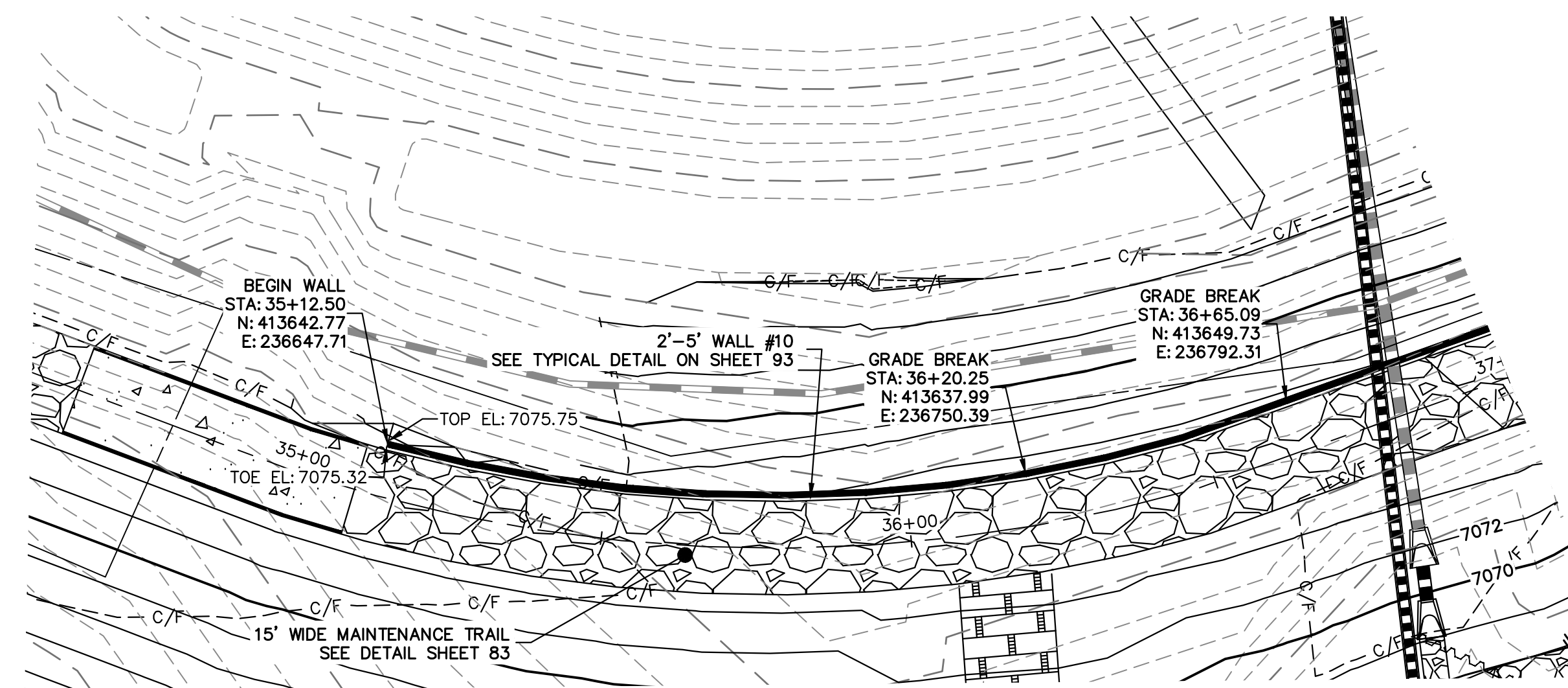


MAINTENANCE TRAIL WALLS #7 AND #8

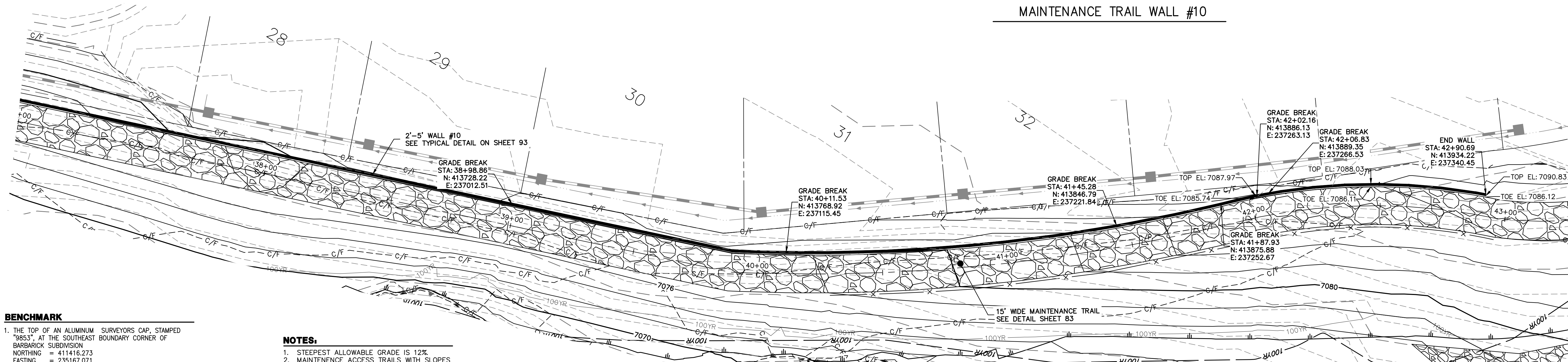
Would a curved wall work?



MAINTENANCE TRAIL WALL #9



MAINTENANCE TRAIL WALL #10

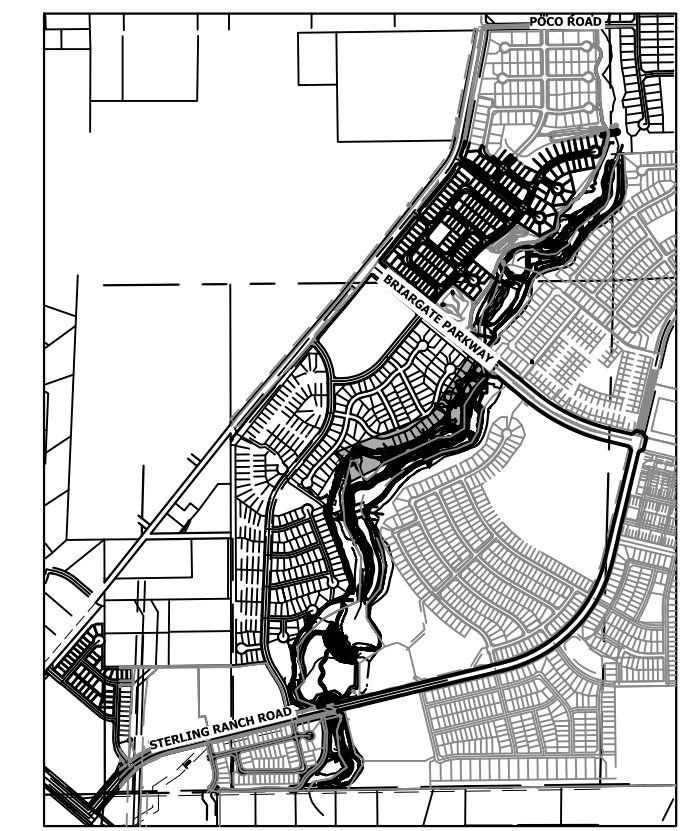


MAINTENANCE TRAIL WALL #10

- BENCHMARK**
- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHWEST 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 = 410025.404
 EASTING = 235052.131
 ELEVATION = 7000.40
 - THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST 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 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.



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
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J.R. ENGINEERING
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BY	DATE	NO.	REVISION

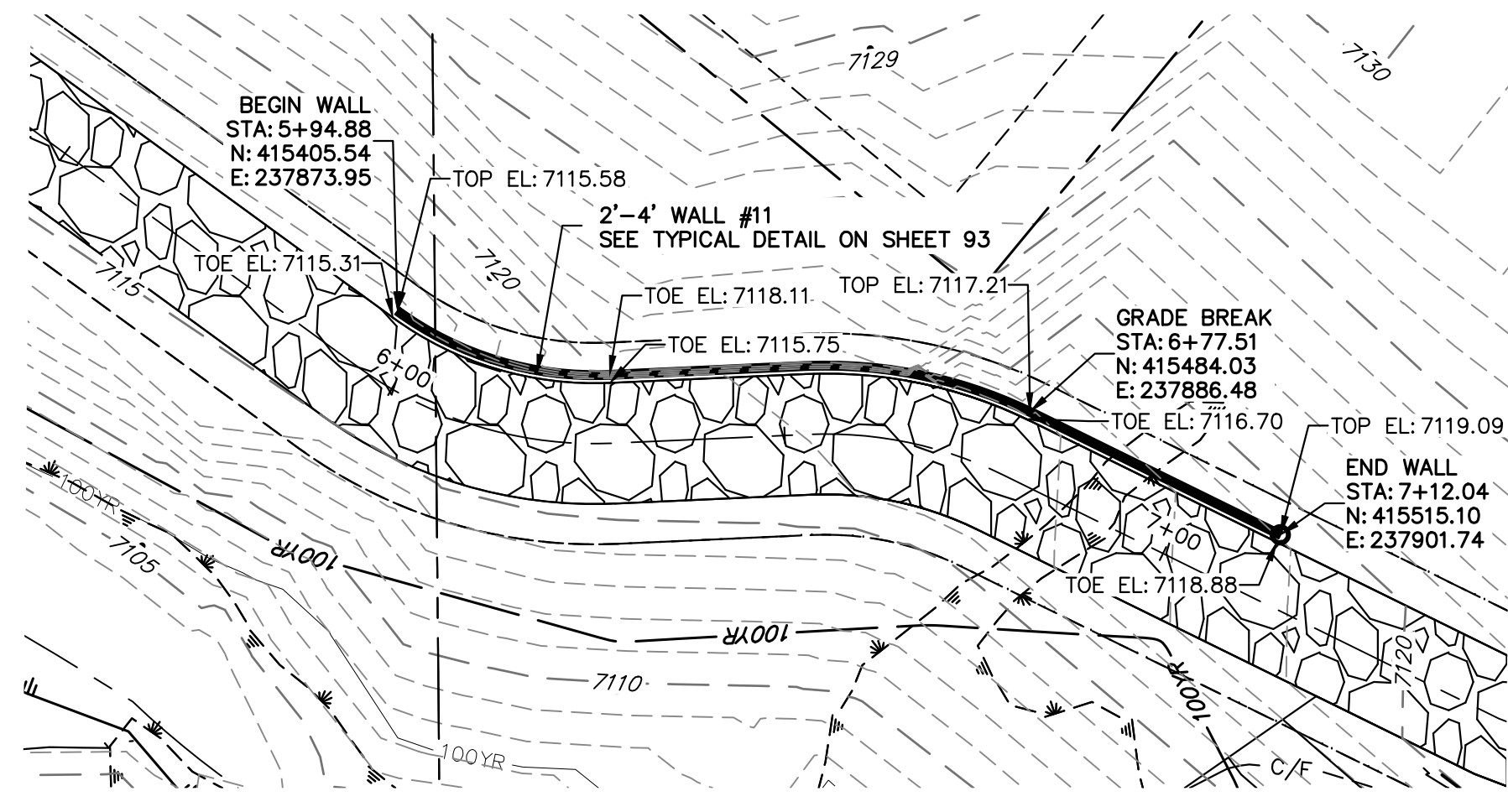
SAND CREEK RESTORATION
MAINTENANCE ACCESS PLAN & PROFILE

SHEET 94 OF 121
 JOB NO. 25188.04

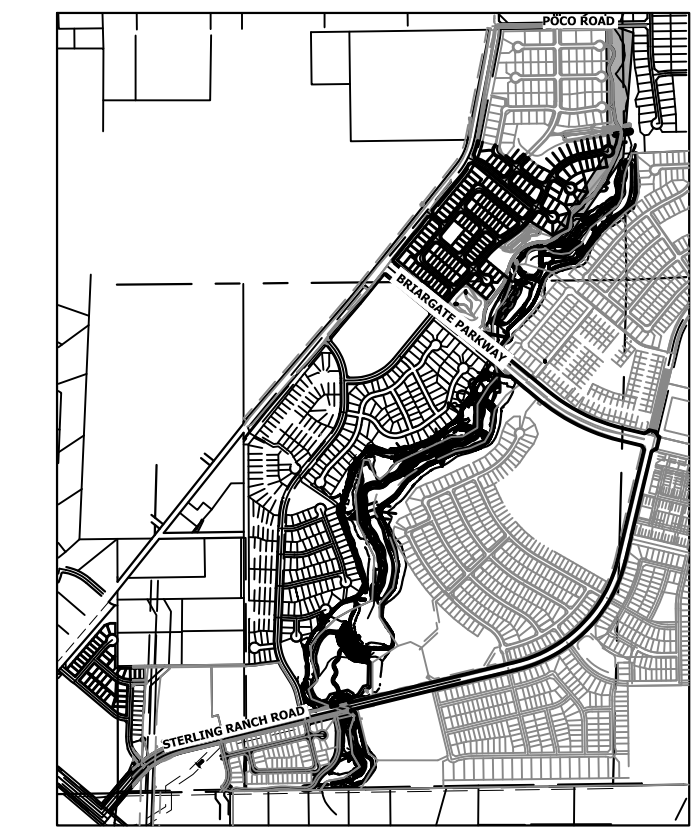
ORIGINAL SCALE: 1" = 20'

ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION

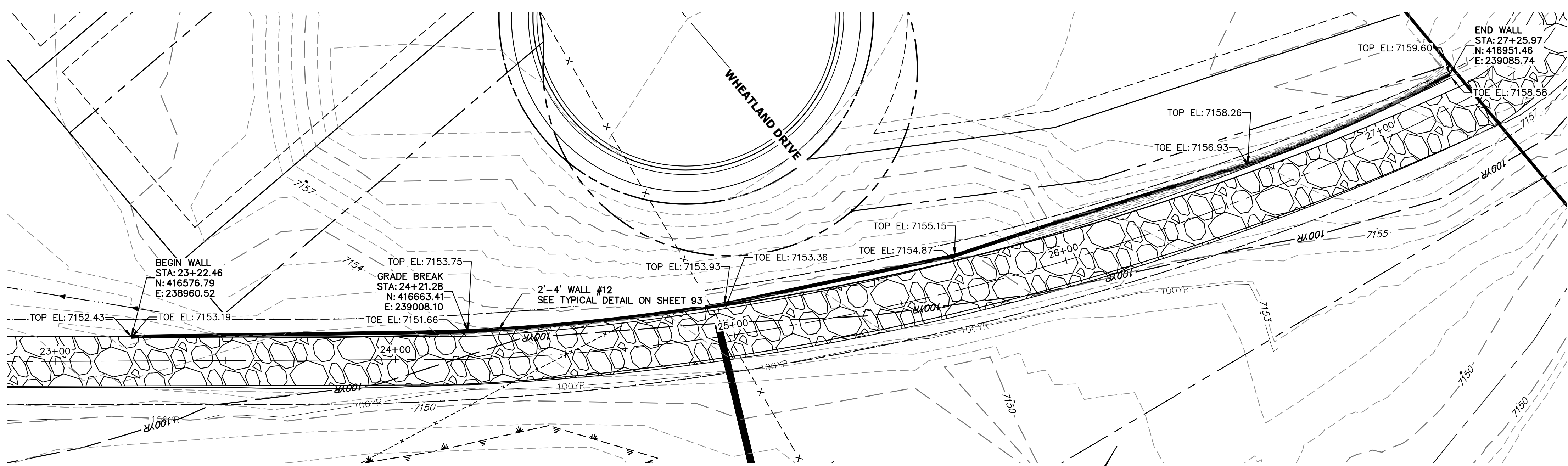
Mike Bramlett
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING



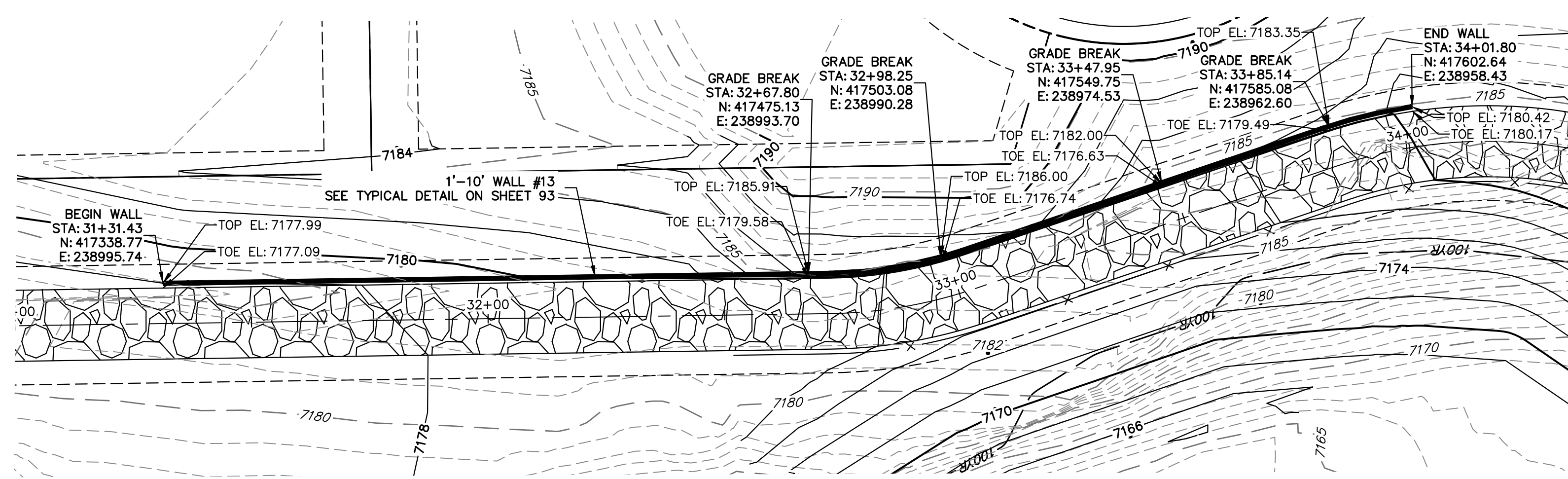
MAINTENANCE TRAIL WALL #11



KEY MAP
SCALE: 1"=2000'



MAINTENANCE TRAIL WALL #12

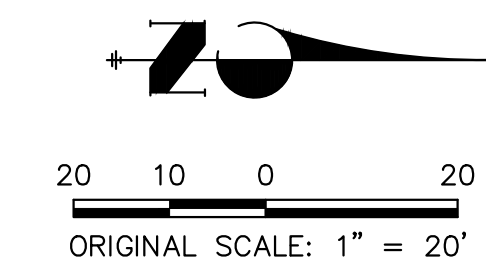


MAINTENANCE TRAIL WALL #13

- 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.



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.	
BY	DATE	
	REVISION	
H-SCALE	1"=20'	
	V-SCALE	N/A
DESIGNED BY	DATE	4/18/23
	DRAWN BY	NEO
CHECKED BY	DRAWN BY	NEO
	CHECKED BY	
SAND CREEK RESTORATION		
MAINTENANCE ACCESS PLAN & PROFILE		
SHEET 95 OF 121		JOB NO. 25188.04