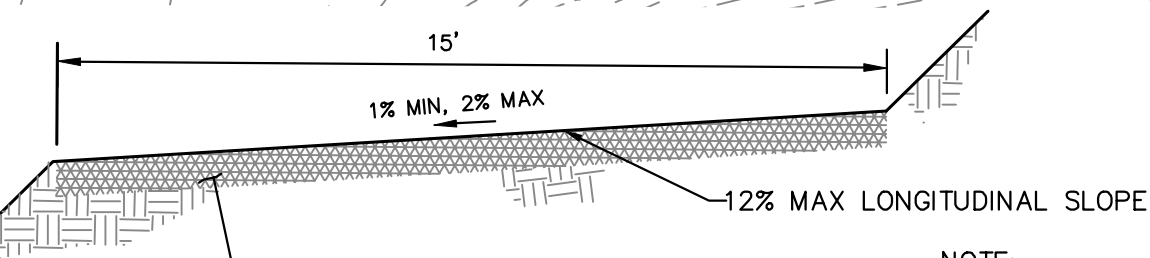
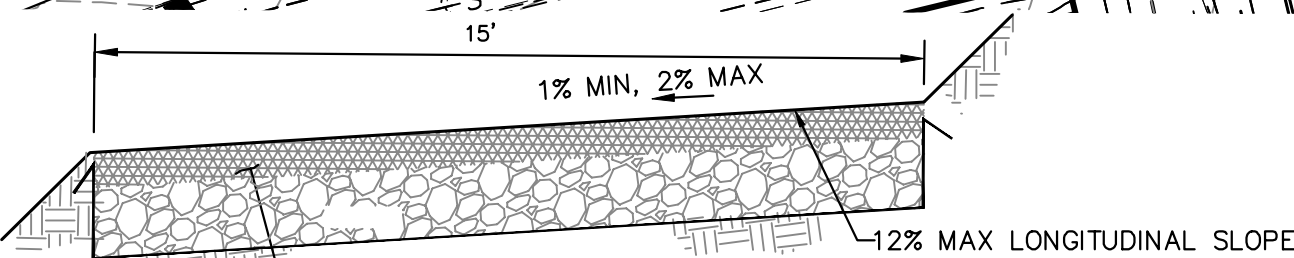


POND W-3 PLAN
SCALE: 1"=50'

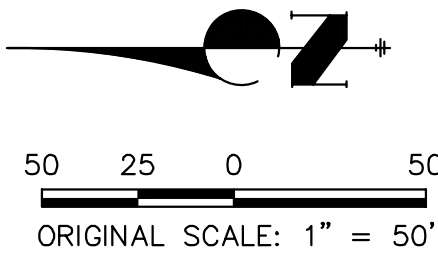


MAINTENANCE & ACCESS ROAD
ABOVE 100-YR WSEL TYPICAL
SECTION
SCALE: N.T.S.

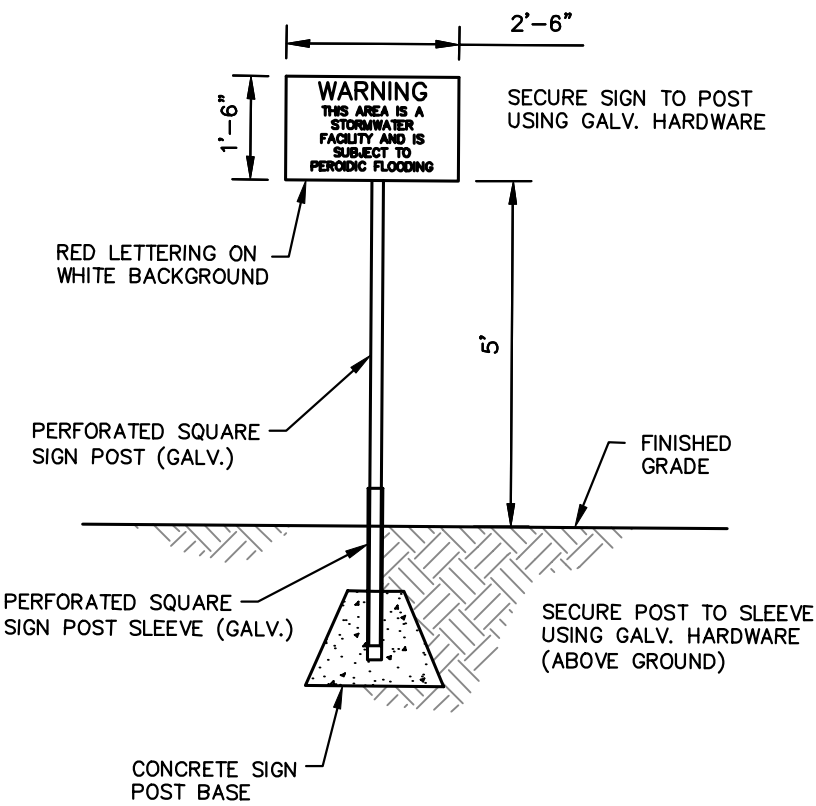
NOTE:
ROAD SLOPE DIRECTION
VARIES
REFER TO PLAN



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



POND W-3		
DRAINAGE AREA (AC)	2729.9	
AVERAGE % IMP.	17%	
	5-YR	100-YR
Q _{IN} (CFS)	578.95	2160.40
Q _{OUT} (CFS)	470.55	1562.40
WSEL (FT)	7004.72	7011.17
DEPTH (FT)	3.55	10.00
VOLUME (AC-FT)	6.75	50.60
SURFACE AREA (AC)	5.46	7.84



POND WARNING SIGN
SCALE: N.T.S.

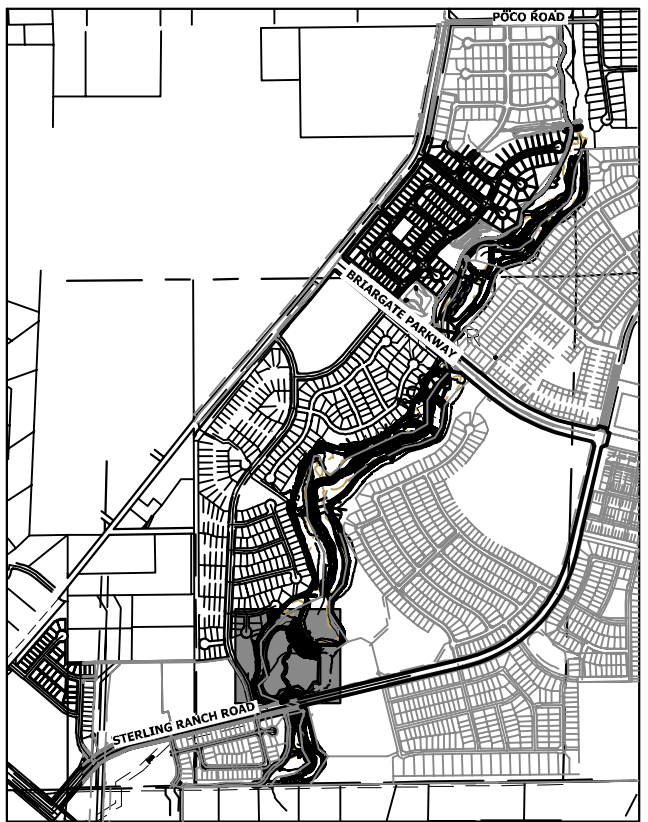
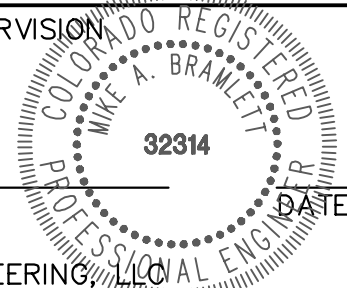


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett

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



KEY MAP
SCALE: 1"=2000'

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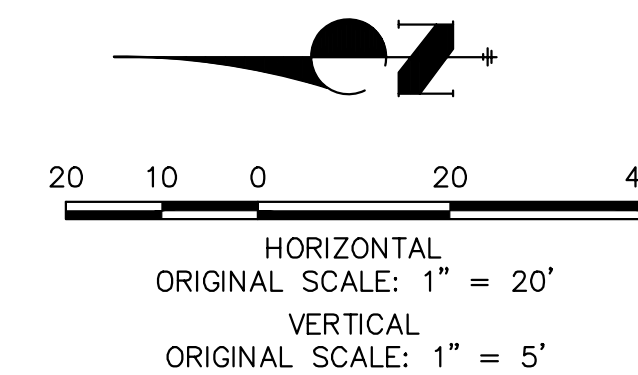
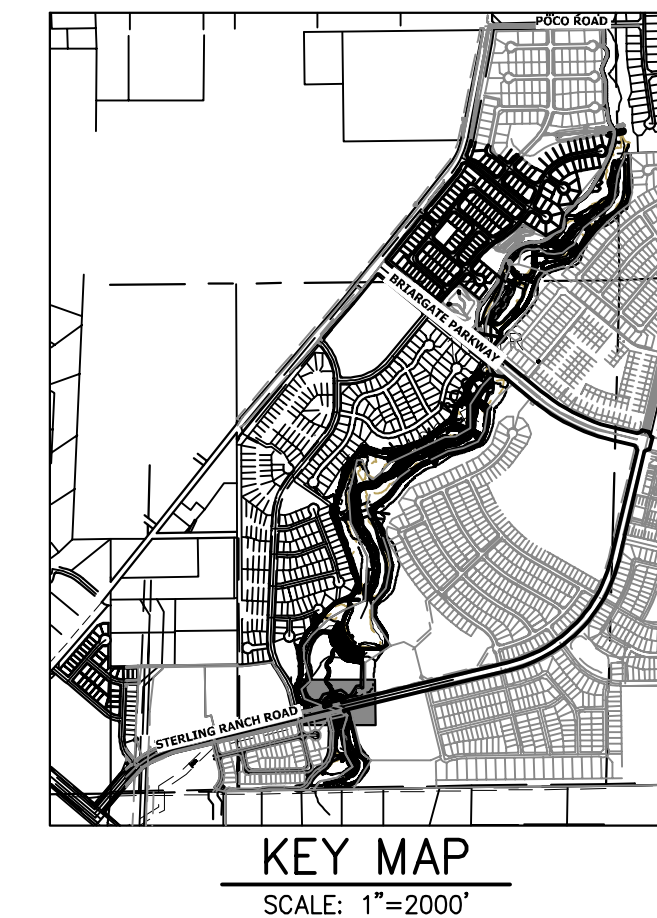
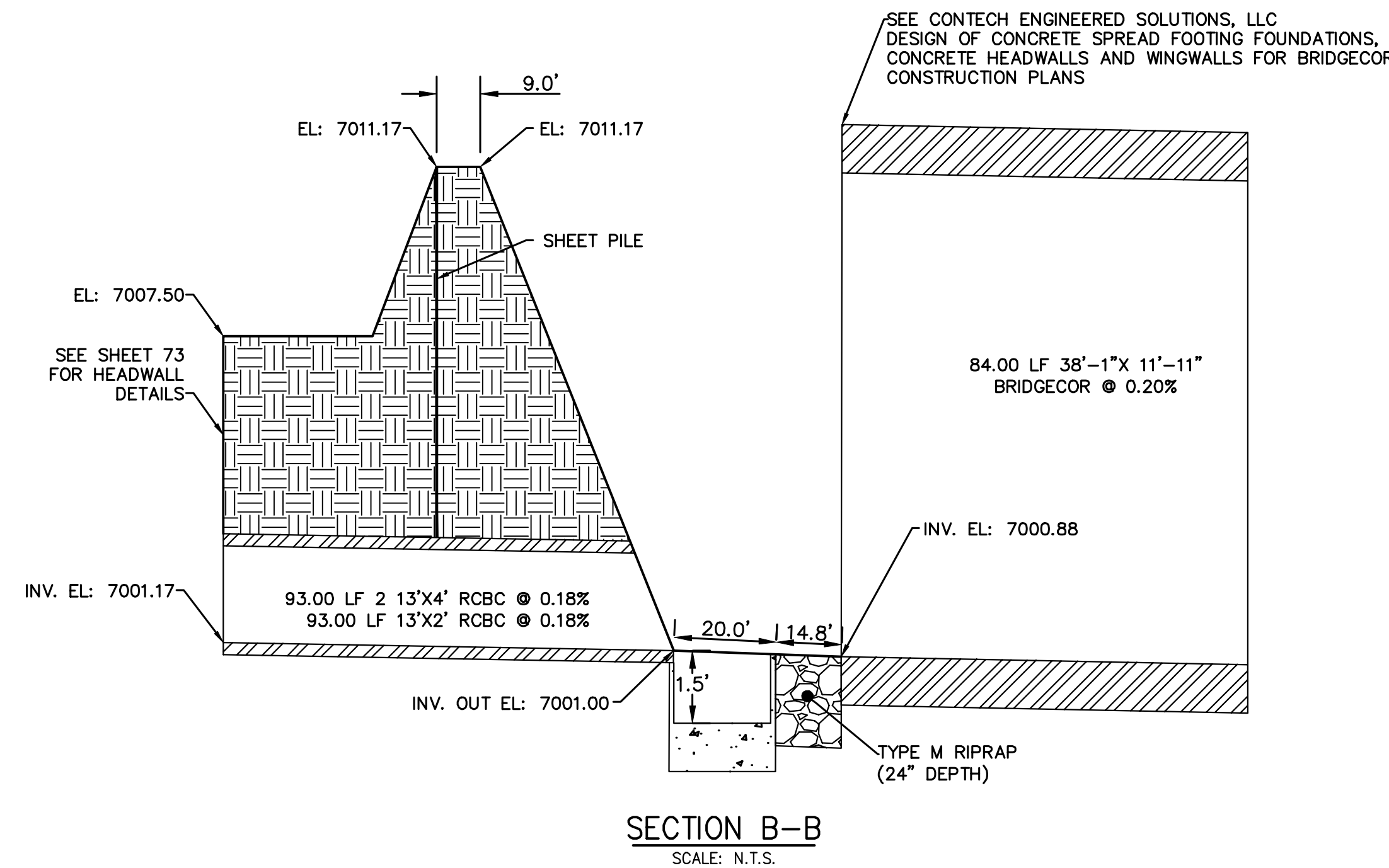
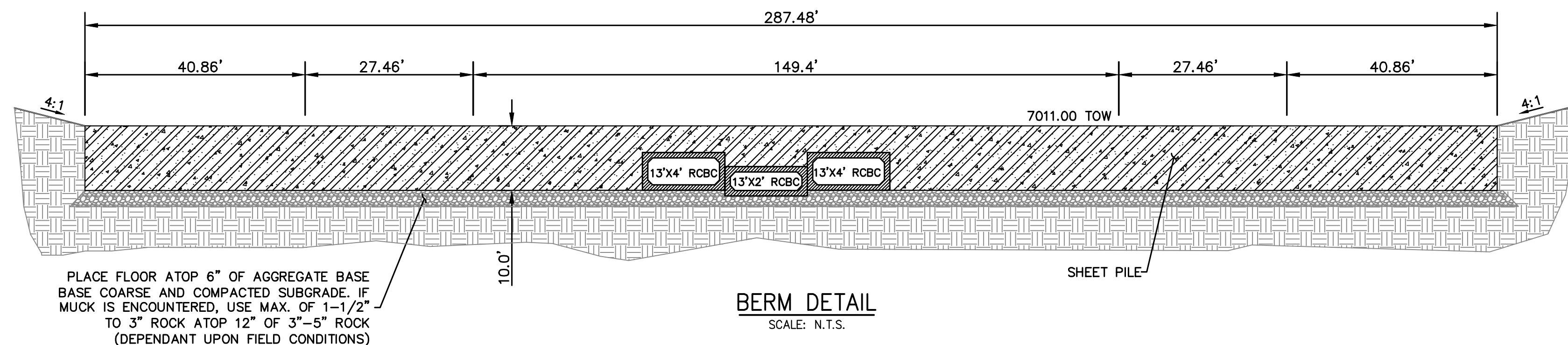
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

J.R. ENGINEERING
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1				1"=50'	N/A	7/18/23	DV	NEO	

SAND CREEK RESTORATION	POND PLANS	
SHEET 41	OF 121	
JOB NO.	25188.04	



ENGINEER'S STATEMENT

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SAND CREEK RESTORATION

POND PLANS

SHEET 42 OF 121

JOB NO. 25188.04

PREPARED FOR

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2ND FLOOR
COLORADO SPRINGS, CO 80909
JAMES F. MORLEY
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No.	REVISION	BY	DATE
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No.	REVISION
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H-SCALE	1"=20'
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H-SCALE	1"=20'
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SAND CREEK RESTORATION

POND PLANS


SHEET 42 OF 121

JOB NO. 25188.04

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20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80901
JAMES F. MORLEY
(719) 419-3024

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BI	DATE
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NO.	REVISION
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 $\alpha = 50$

H-SCALE

NO

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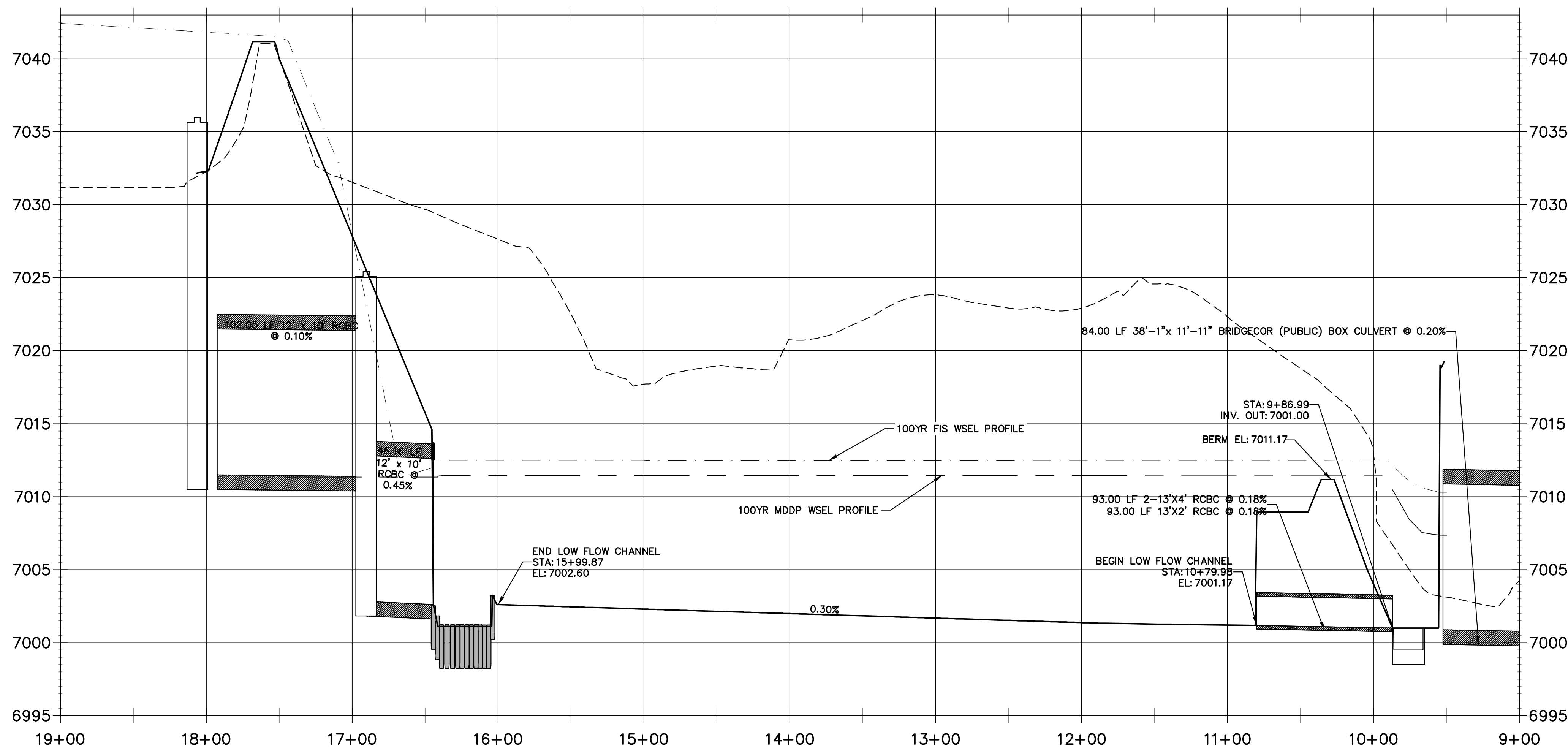
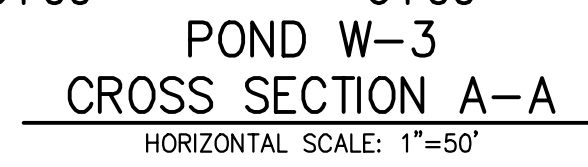
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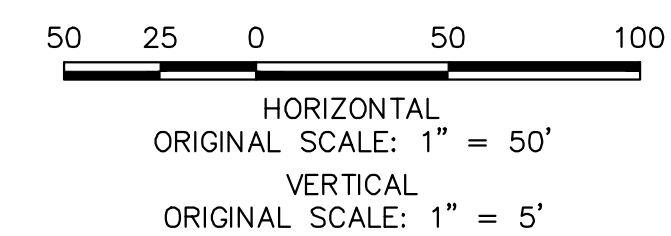
SAND

SHE

JOB



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



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ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Brumlett

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

Professional Engineer Seal for Mike A. Branlett, No. 32314, State of Colorado. The seal is circular with the text "COLORADO REGISTERED PROFESSIONAL ENGINEER" around the perimeter. In the center, it says "MIKE A. BRANLETT" and "32314".

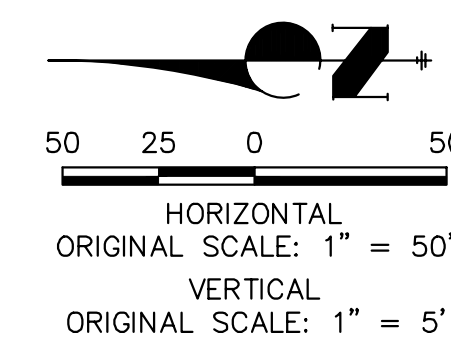
7/18/23

SAND CREEK RESTORATION

POND PLANS

SHEET 43 OF 12

JOB NO. 25188.04



ERVISION

32314

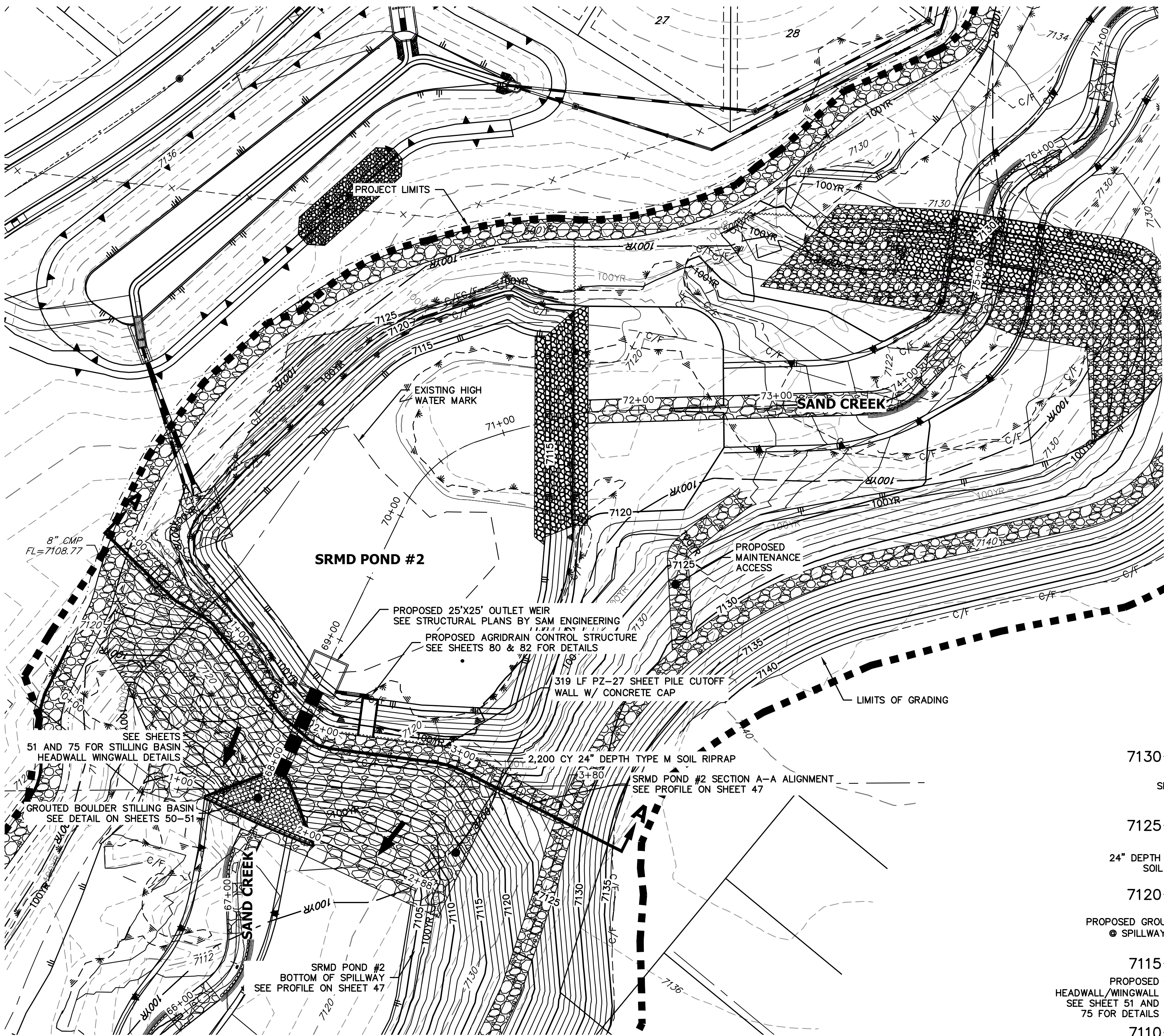
DATE

ENGINEERING, LLC

JOB NO. 25188.04

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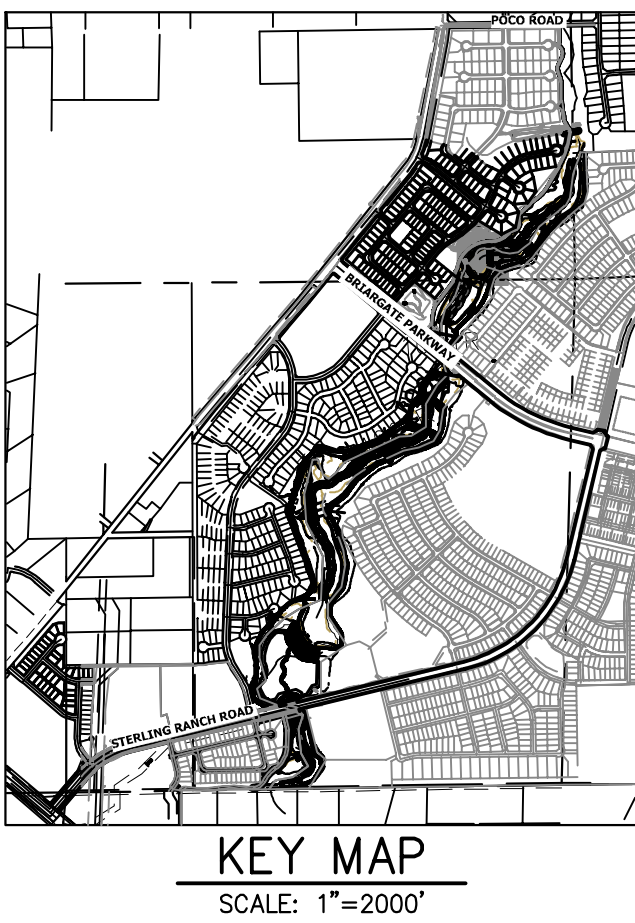
For Collins 970-491-3888 • www.triengineering.com



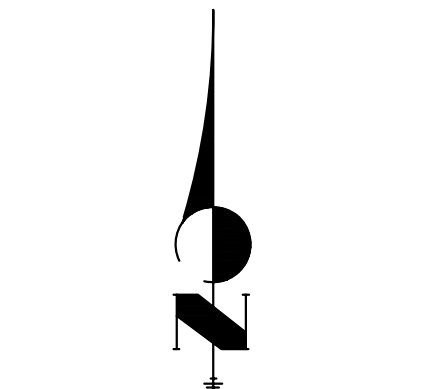
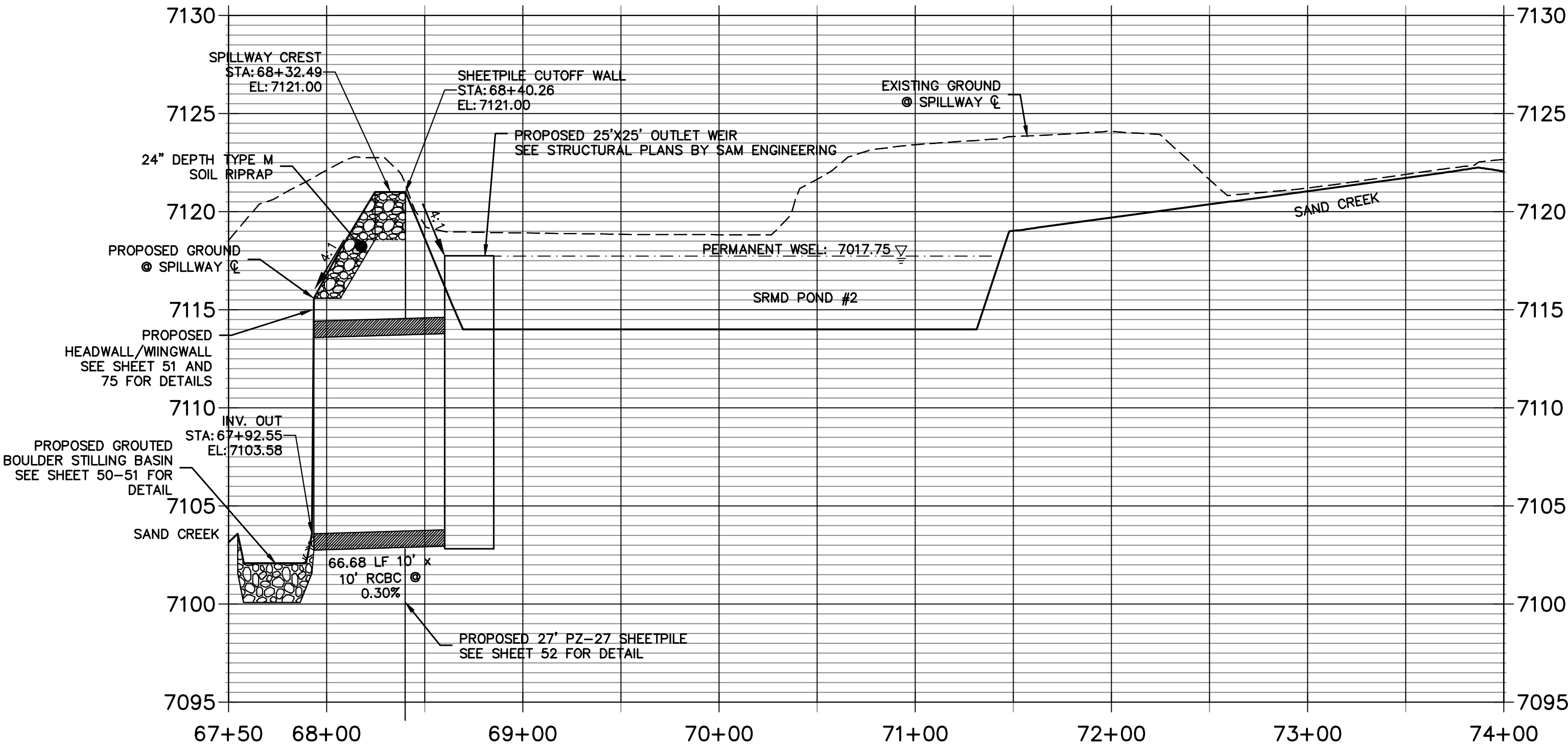
GRADING NOTES:

- 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.

SRMD POND #2		
DRAINAGE AREA (AC)	2003.2	
AVERAGE % IMP.	8%	
	5-YR	100-YR
Q ₅₀ (CFS)	477.23	1666.90
Q ₁₀₀ (CFS)	476.24	1661.20
STATIC WSEL (FT)	7117.75	7117.75
MAX WSEL (FT)	7019.27	7021.00
DEPTH (FT)	5.08	6.81
VOLUME (AC-FT)	6.26	8.70
SURFACE AREA (AC)	1.35	2.10



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

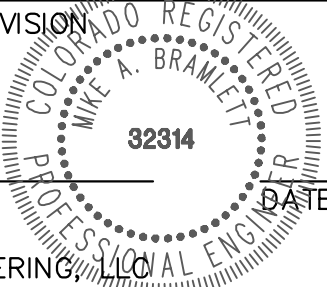


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike A. Bramlett
DATE 7/18/23

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



SAND CREEK RESTORATION

POND PLANS

SHEET 46 OF 26

JOB NO. 25188.04

BY	DATE	No.	REVISION

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1"=50'	1"=5'	7/18/23	DJV	DJV	

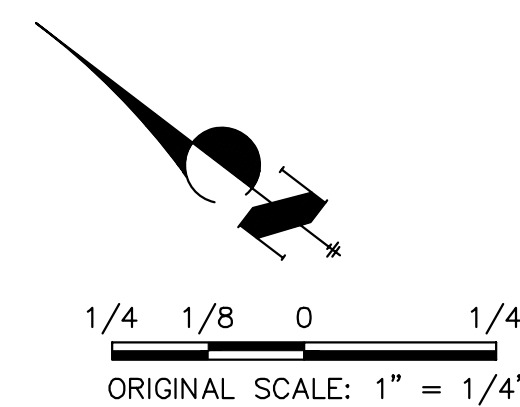
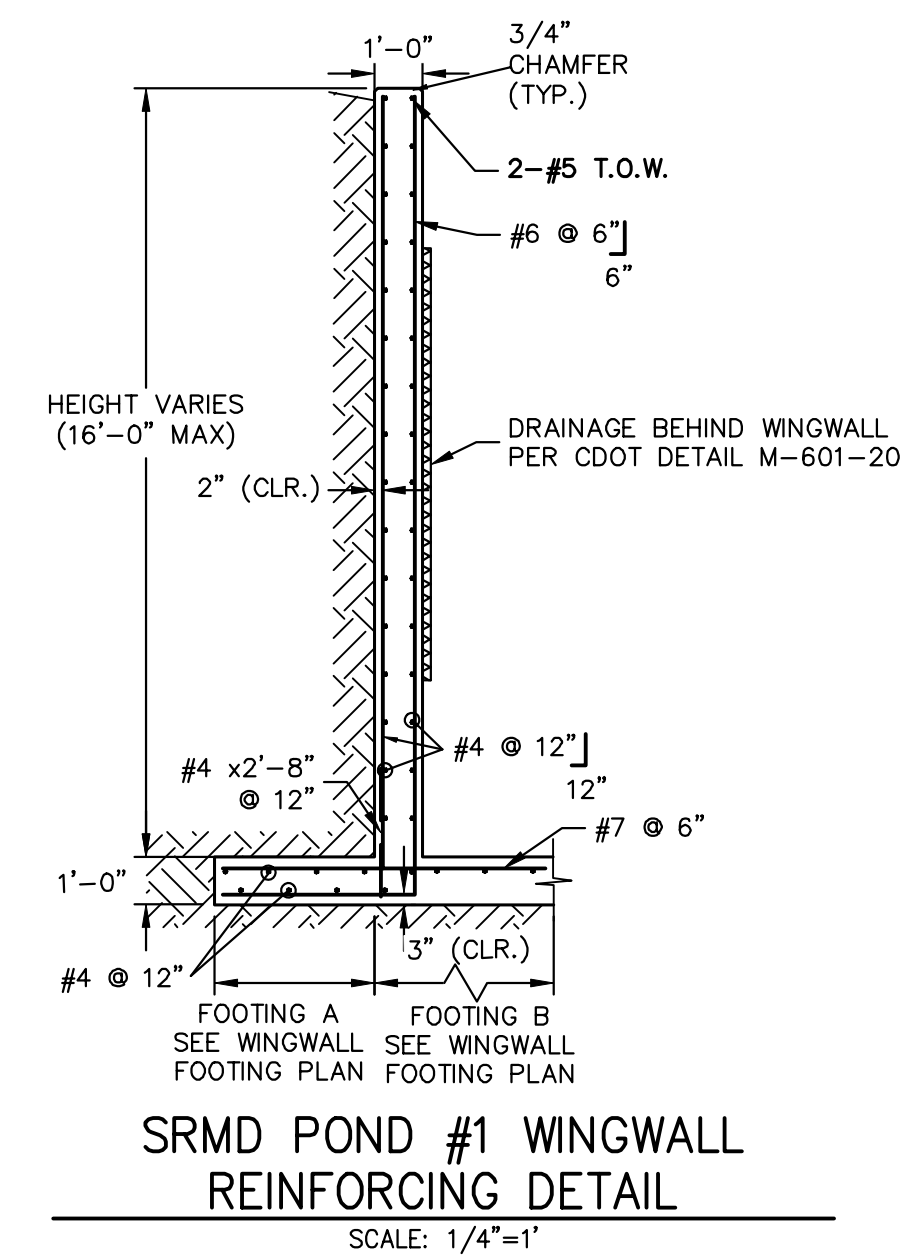
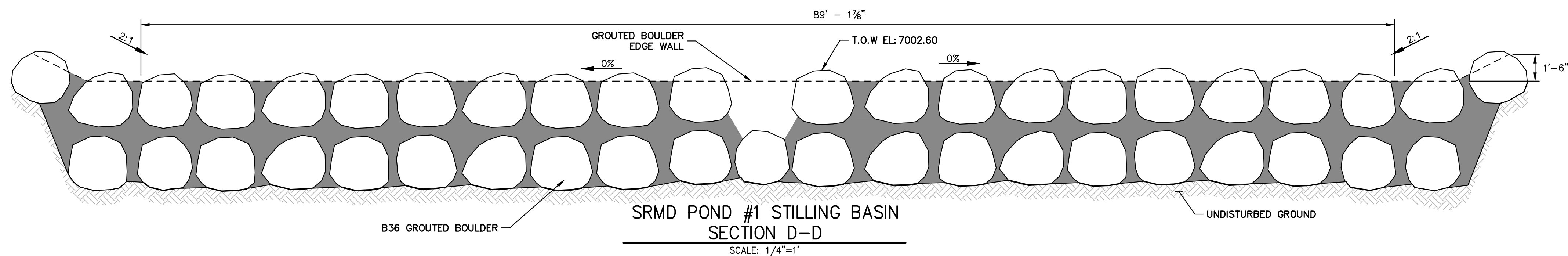
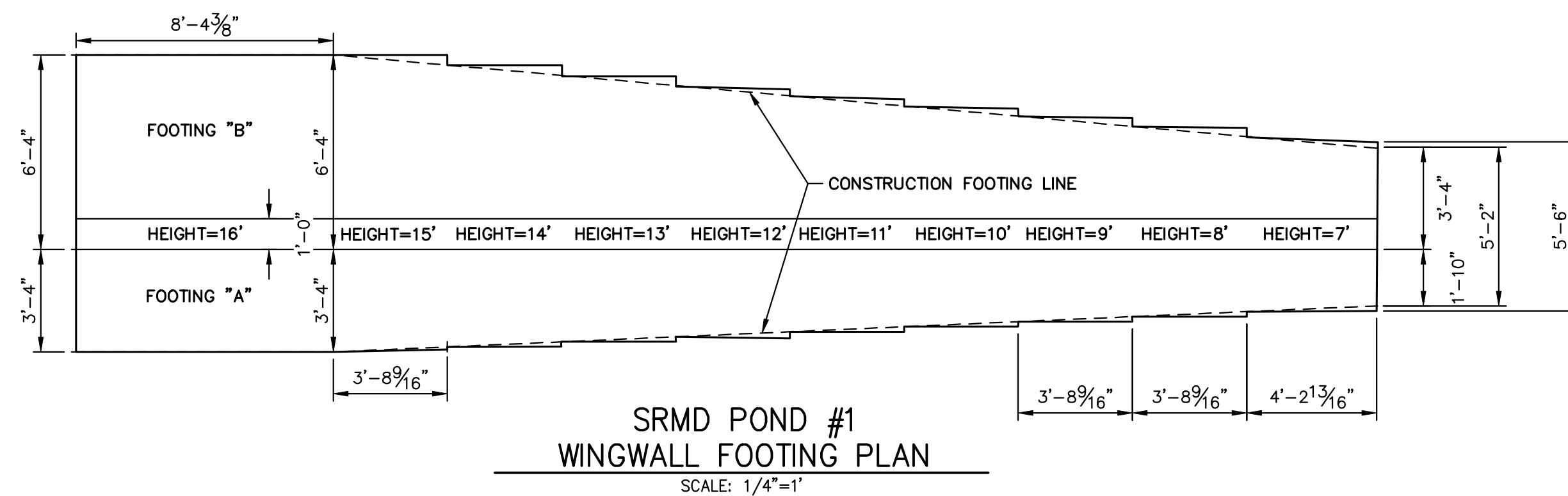
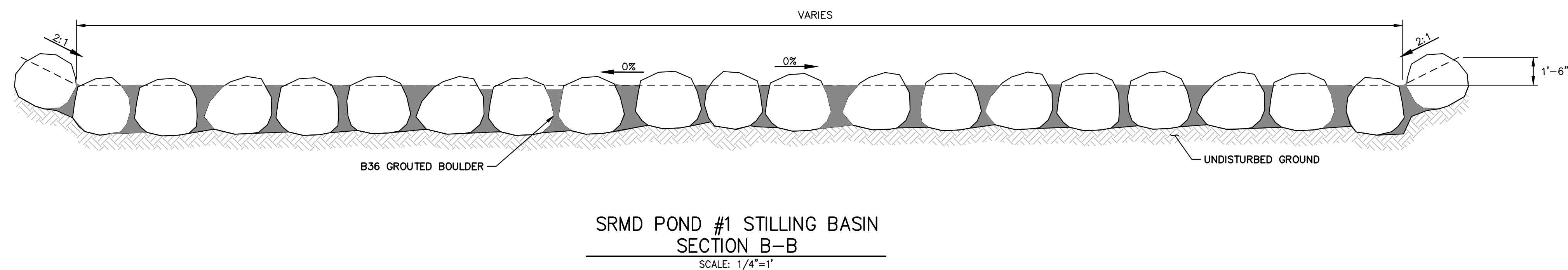
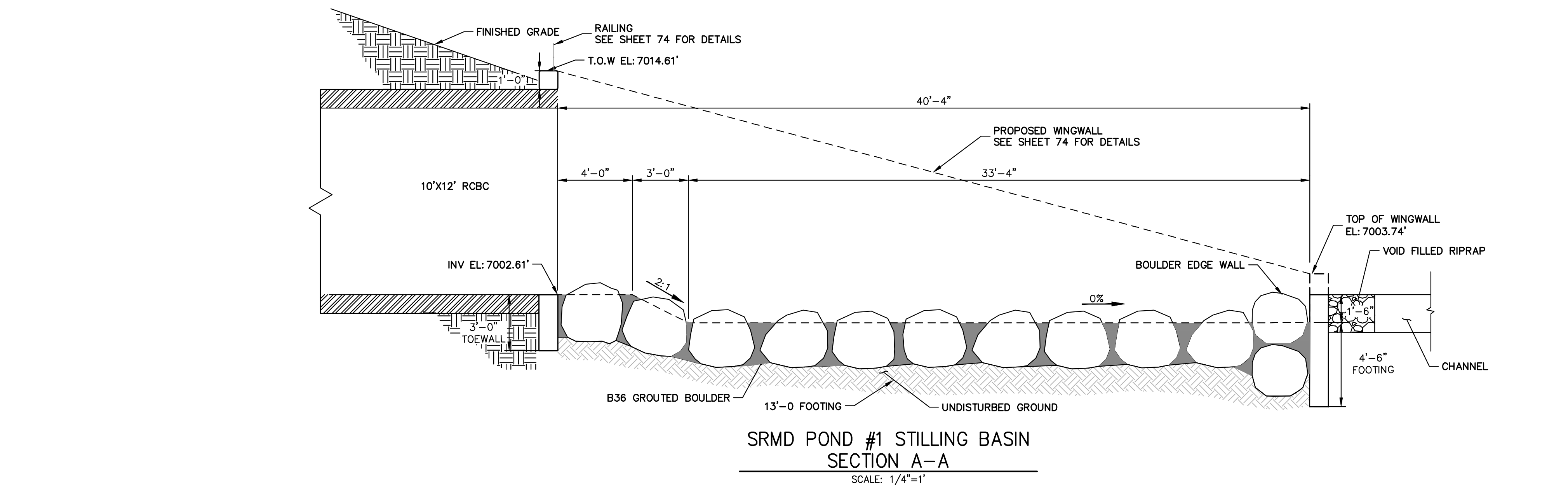
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2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 419-3024

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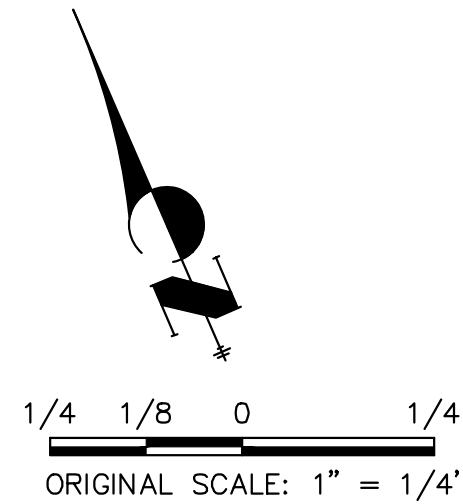
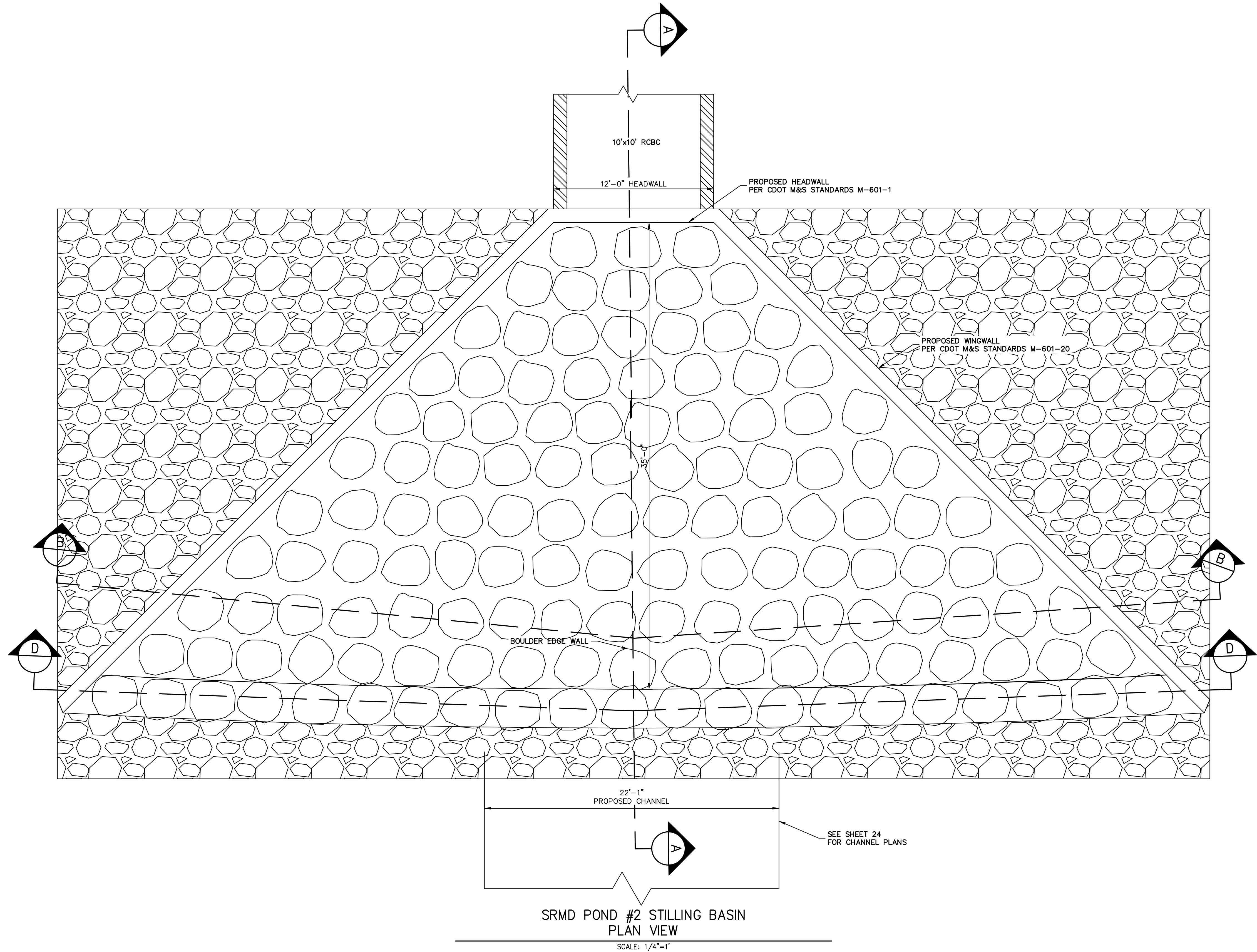
Mike Bramlett

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

DATE 7/18/23

SEAL: COLORADO REGISTERED PROFESSIONAL ENGINEER MIKE A. BRAMLETT 32314

[illegible]

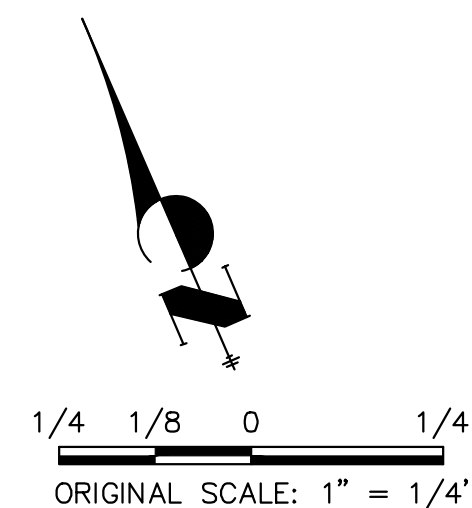
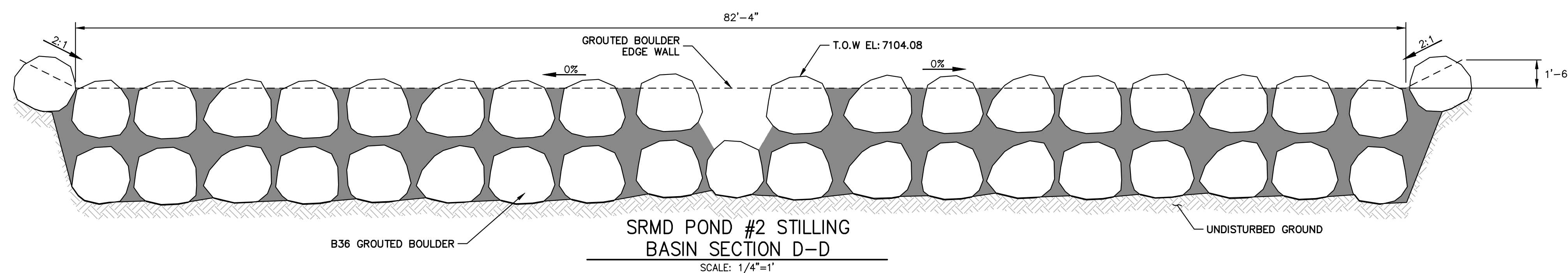
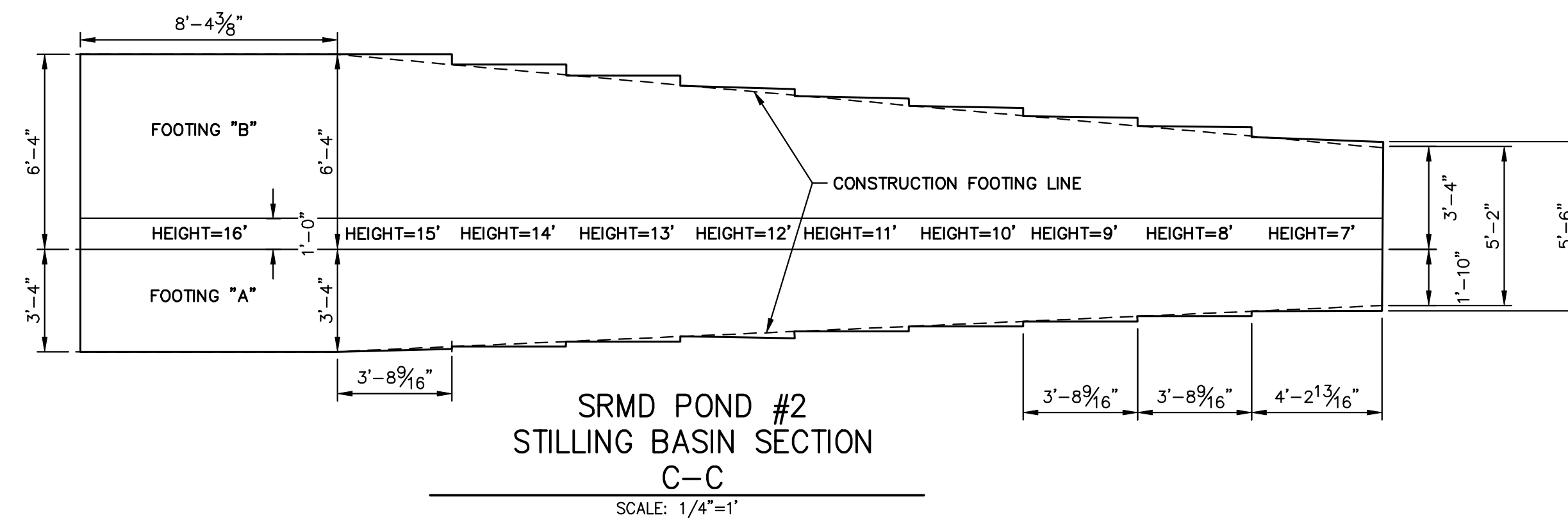
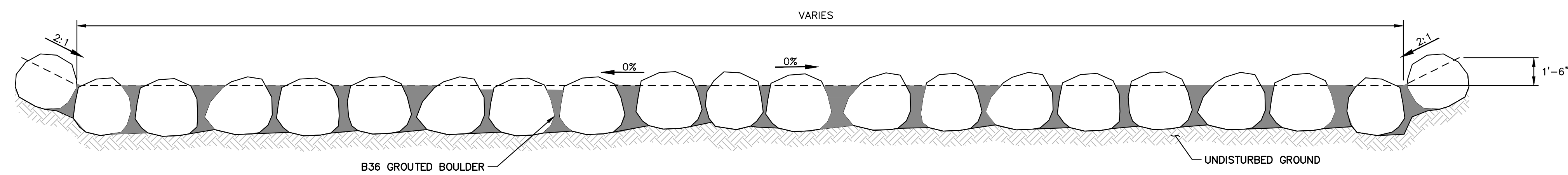
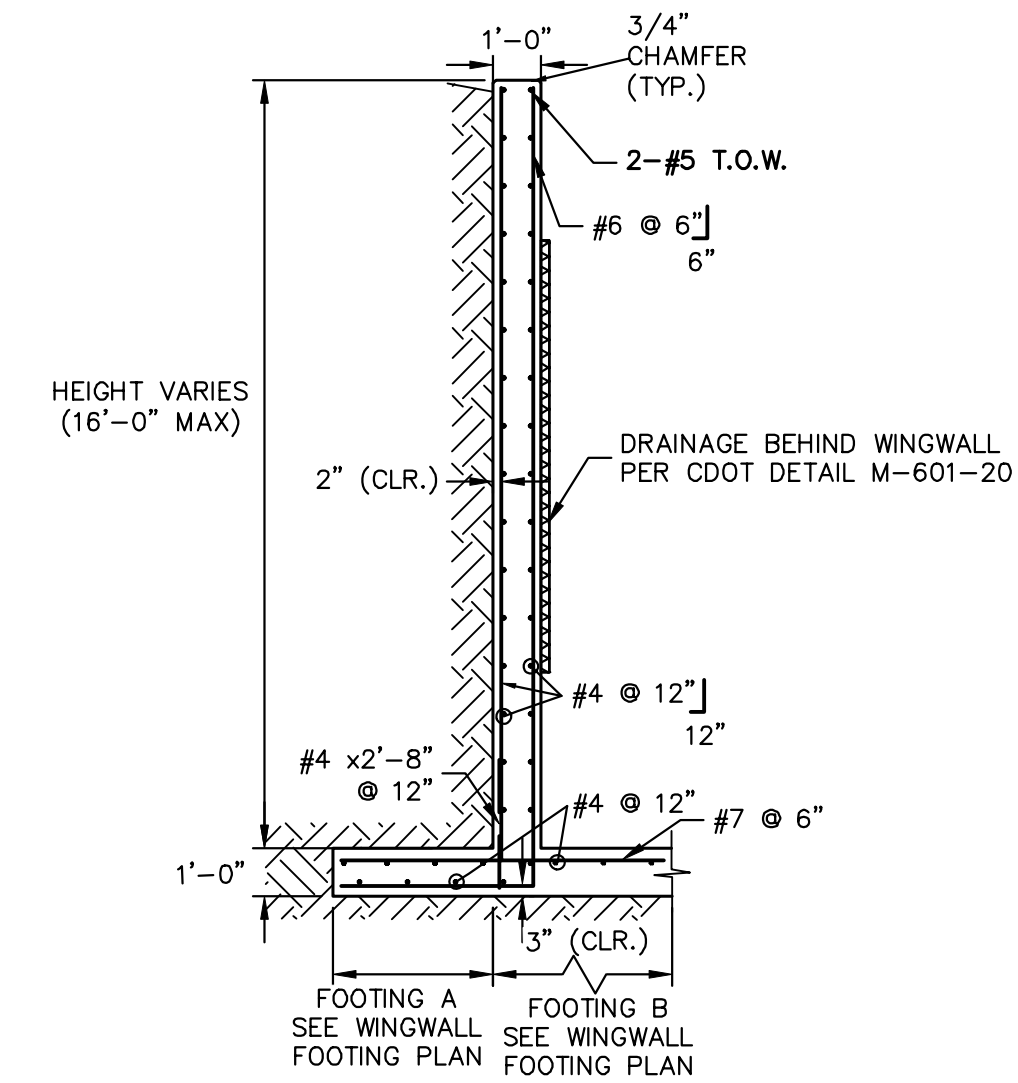
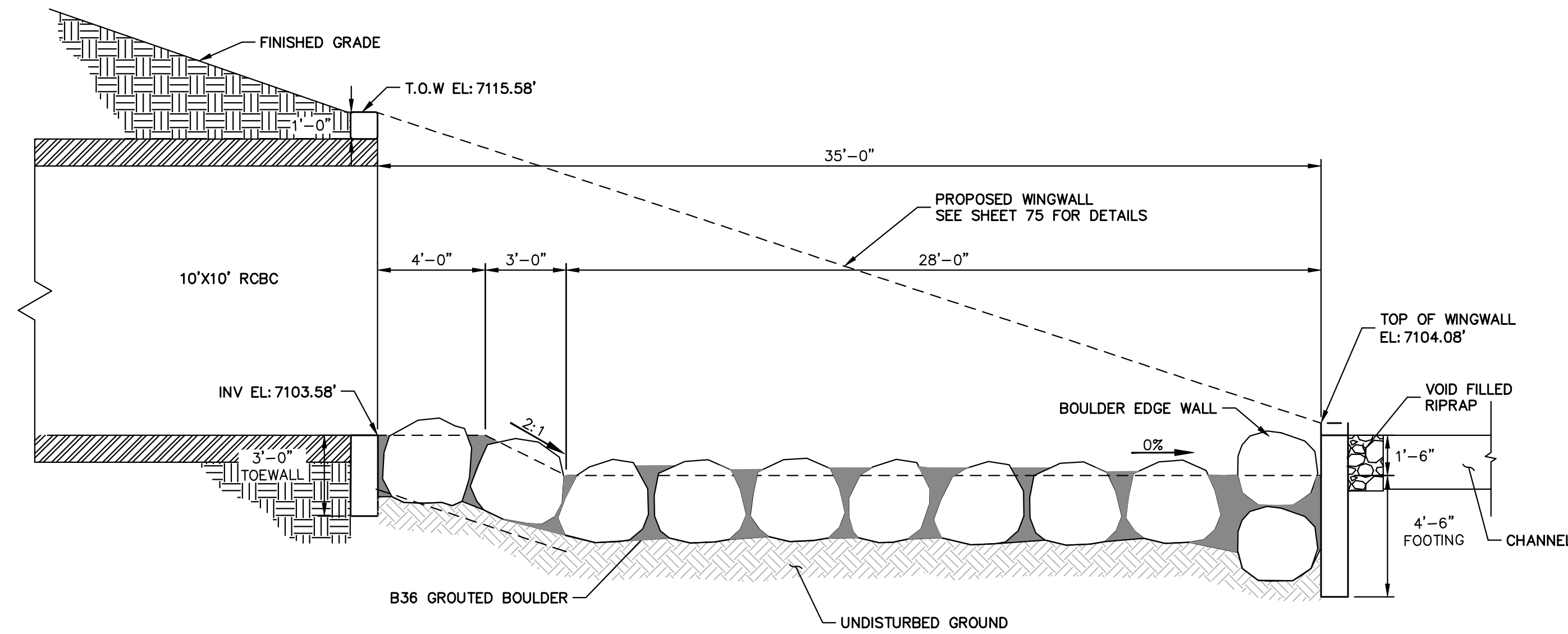


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

DATE 7/18/23

SAND CREEK RESTORATION	POND PLANS		SHEET 50 OF 121	
	JOB NO. 25188.04			
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, OR ENGINEERING APPROVES THEIR USE FOR ANY OTHER PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.



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COLORADO P.E. 32314
FOR AND ON BEHALF OF

FOR AND ON BEHALF OF JR ENGINEERING,

MENT
SUPERVISION
COLORADO REGISTERED
MIKE A. BRAMETT
32314
PROFESSIONAL ENGINEER
DA
ENGINEERING, LLC

7/18/23

SAND CREEK RESTORATION

POND PLANS

SHEET 51 OF 121

JOB NO. 25188.04

BY	DATE
----	------

Revisão	Rev. No.	Rev. Descrição
1	1	1

H-SCALE	1/4"=1"
---------	---------

H-SCALE

 $1/4"=1"$

H-SCALE

H-SCALE

H-SCALE

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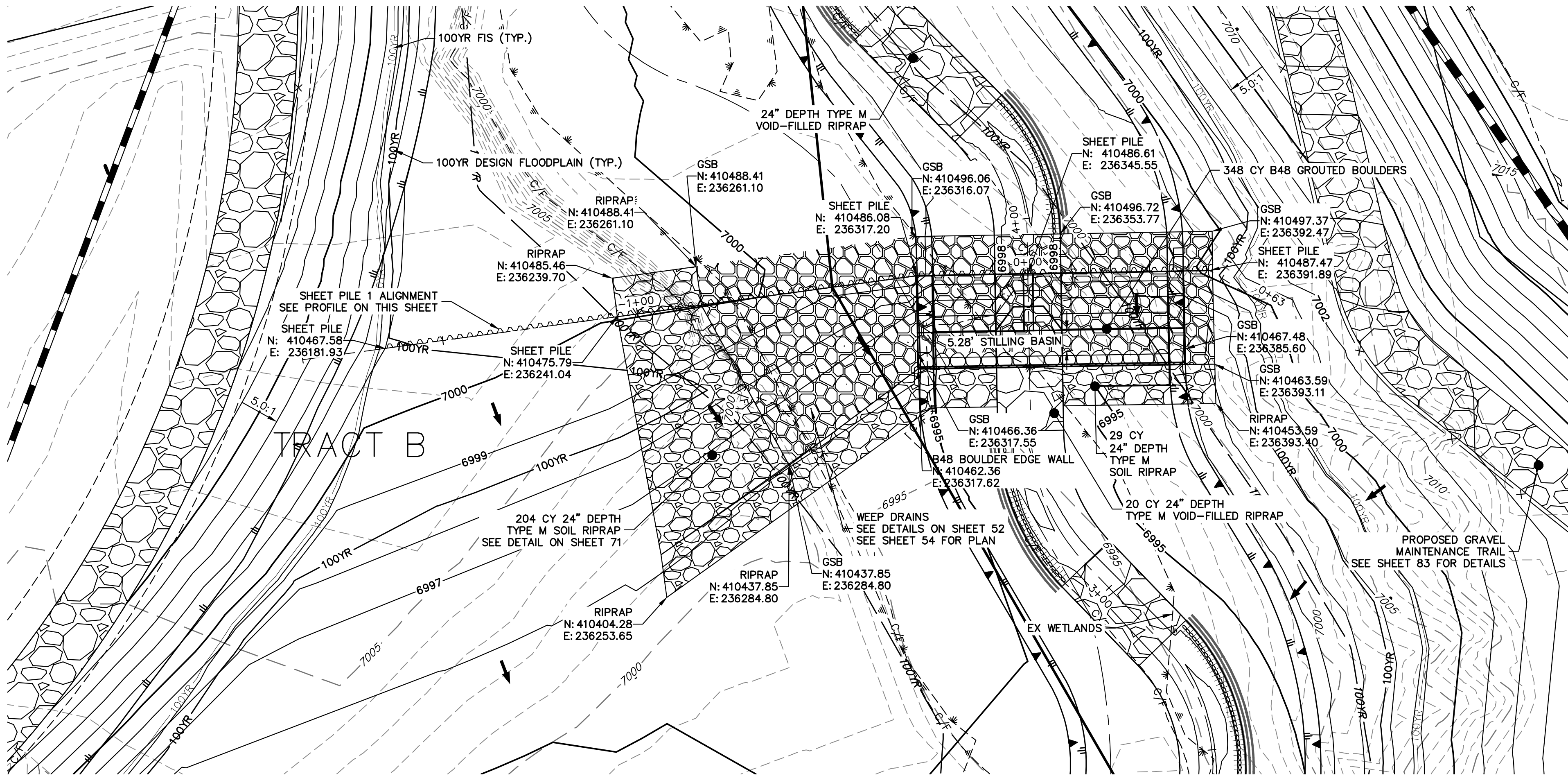
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20 BOULDER CRESCENT

COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
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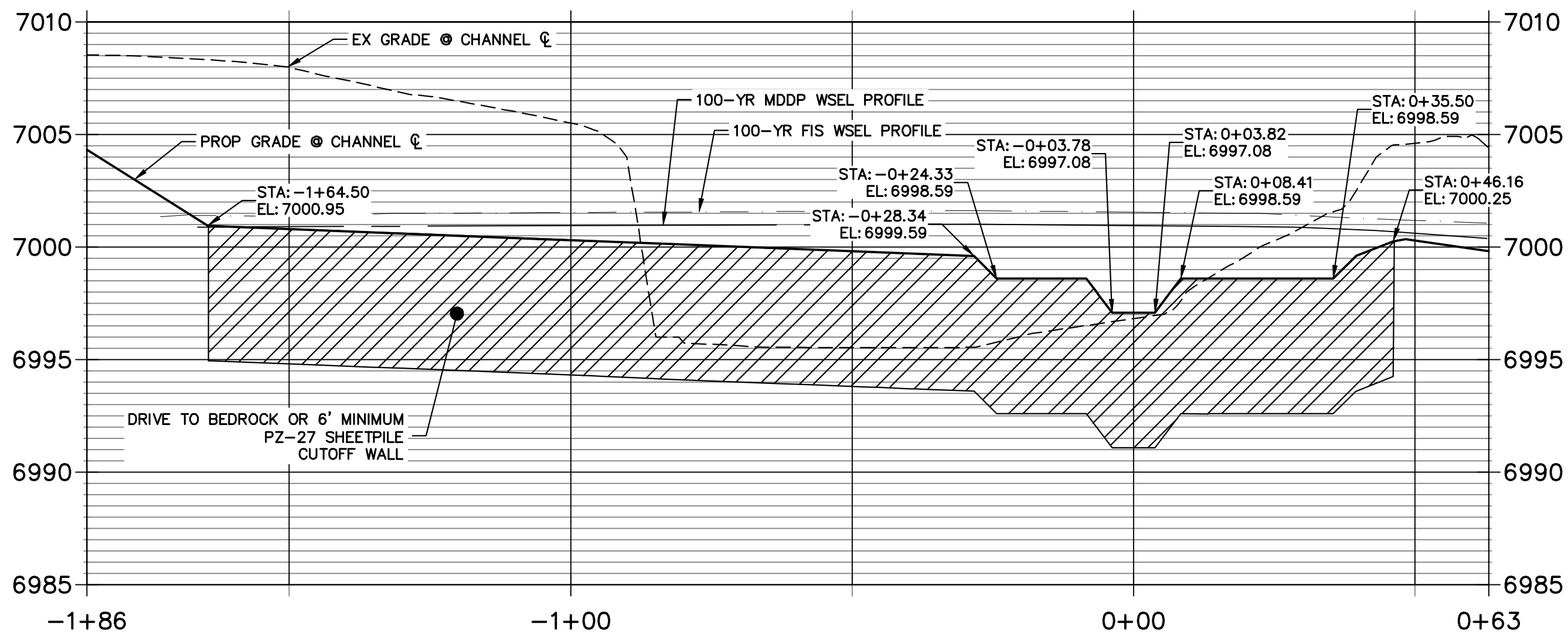


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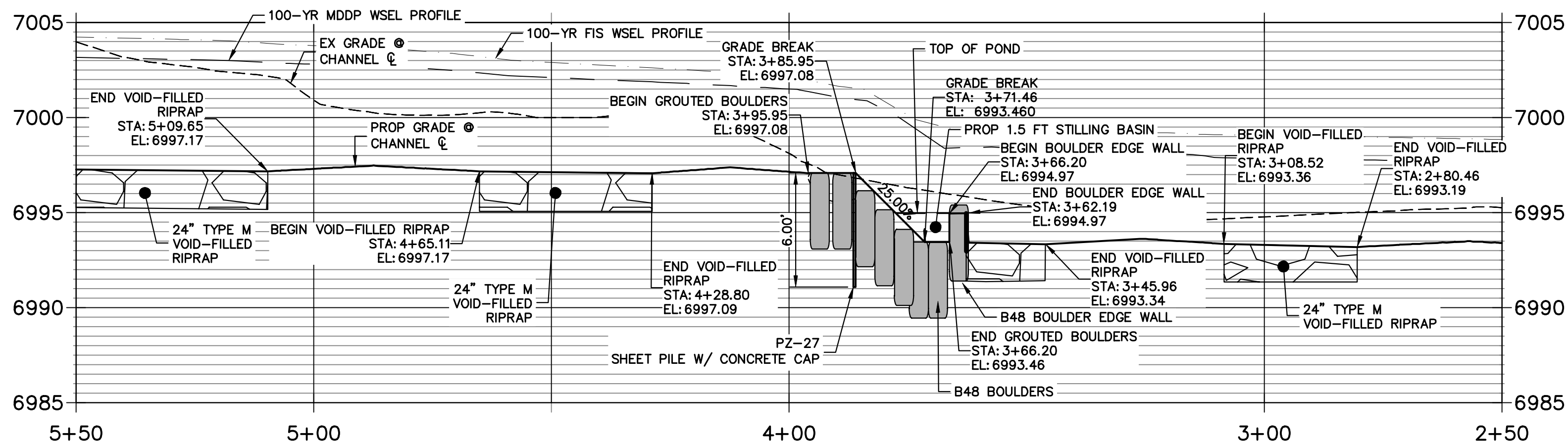


GRouted STEPPED BOULDER DROP #1 DETAIL
PLAN VIEW
SCALE: 1"=20'

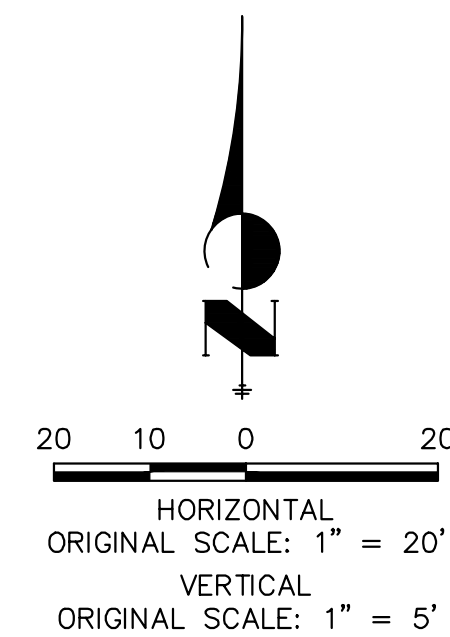
GSB 1 SHEET PILE PROFILE
STA -1+85.99 TO 0+63.12



GSB DETAIL 1
STA 2+50.00 TO 5+50.00



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

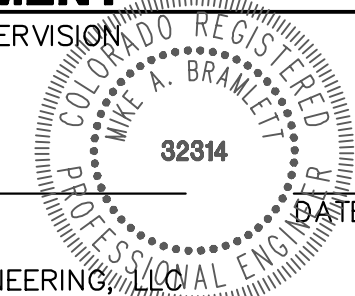


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Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314

FOR AND ON BEHALF OF JR ENGINEERING

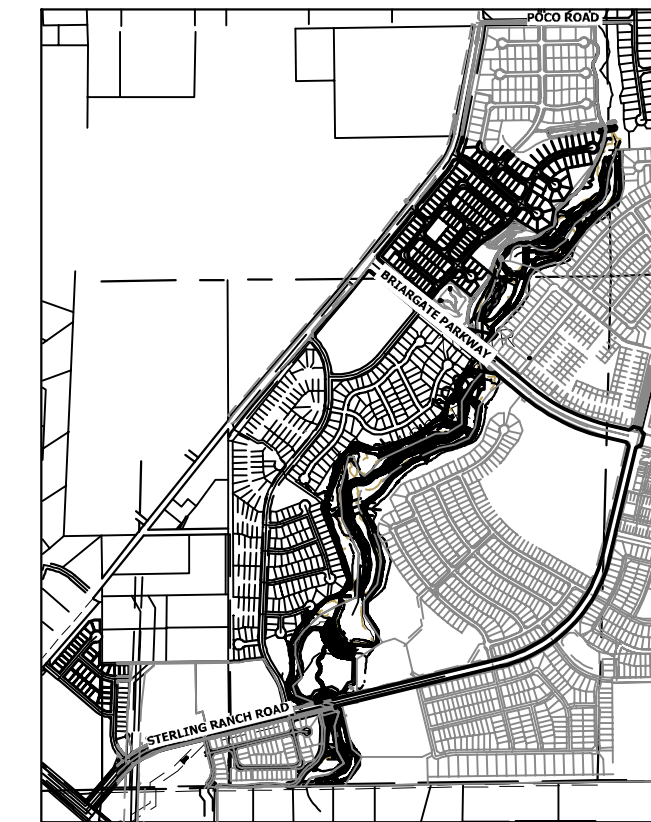


SAND CREEK RESTORATION

GSB DETAILS

SHEET 53 OF 121

JOB NO. 25188.04



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2ND FLOOR

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BY

DATE

No. REVISION

1"=20'

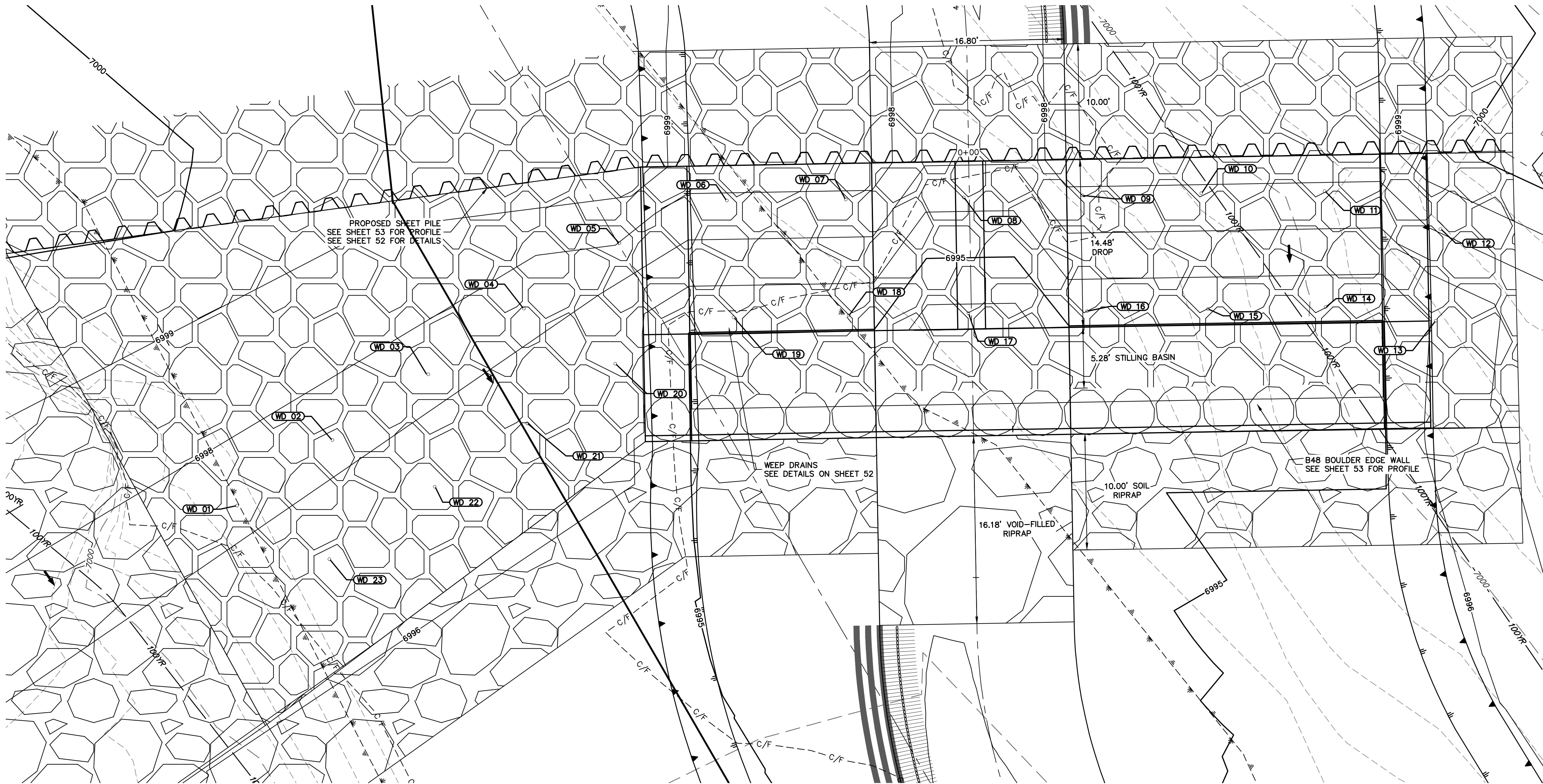
1"=5'

DATE

DESIGNED BY

DRAWN BY

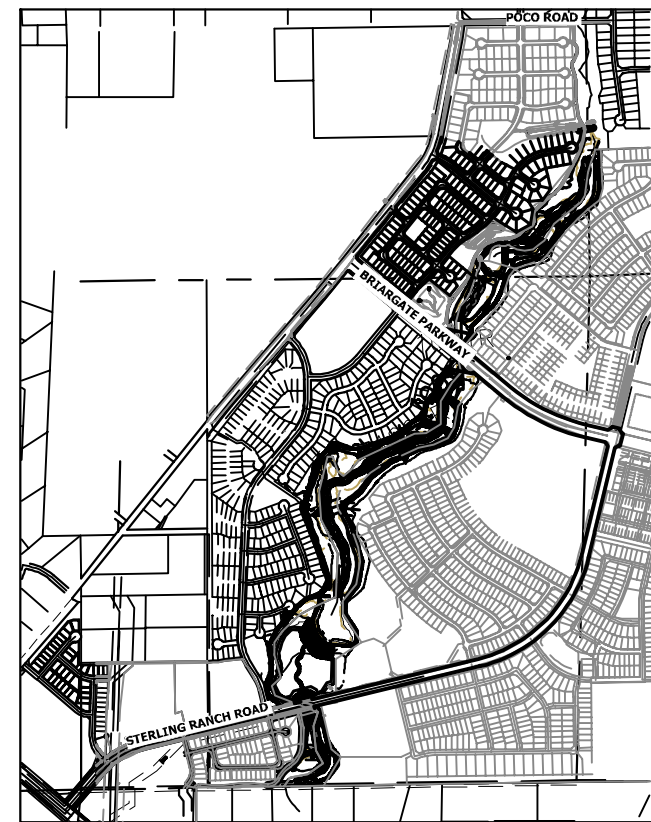
CHECKED BY



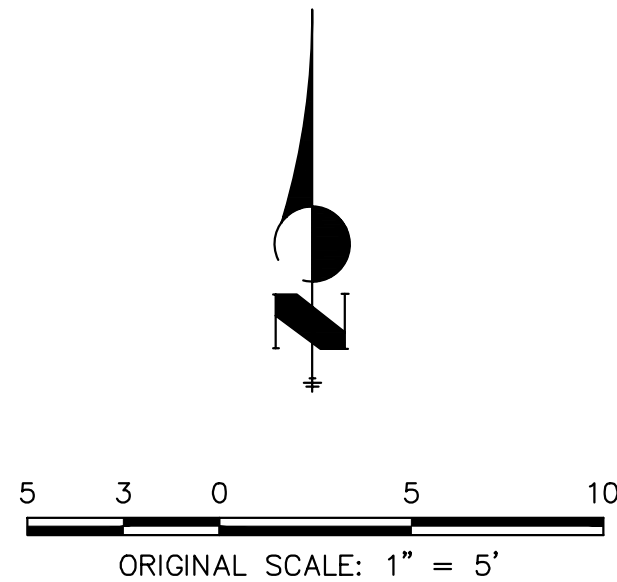
GSB01 WEEP DRAINS PLAN VIEW
SCALE: 1"=5'

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



KEY MAP
SCALE: 1"=2000'



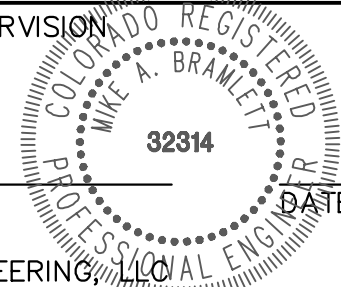
ENGINEER'S STATEMENT

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

GSB DETAILS

SHEET 54 OF 121

JOB NO. 25188.04

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

J.R. ENGINEERING
A Western Company



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

BY

DATE

No. REVISION

1"=5'

H-SCALE

V-SCALE

DATE

DESIGNED BY

DRAWN BY

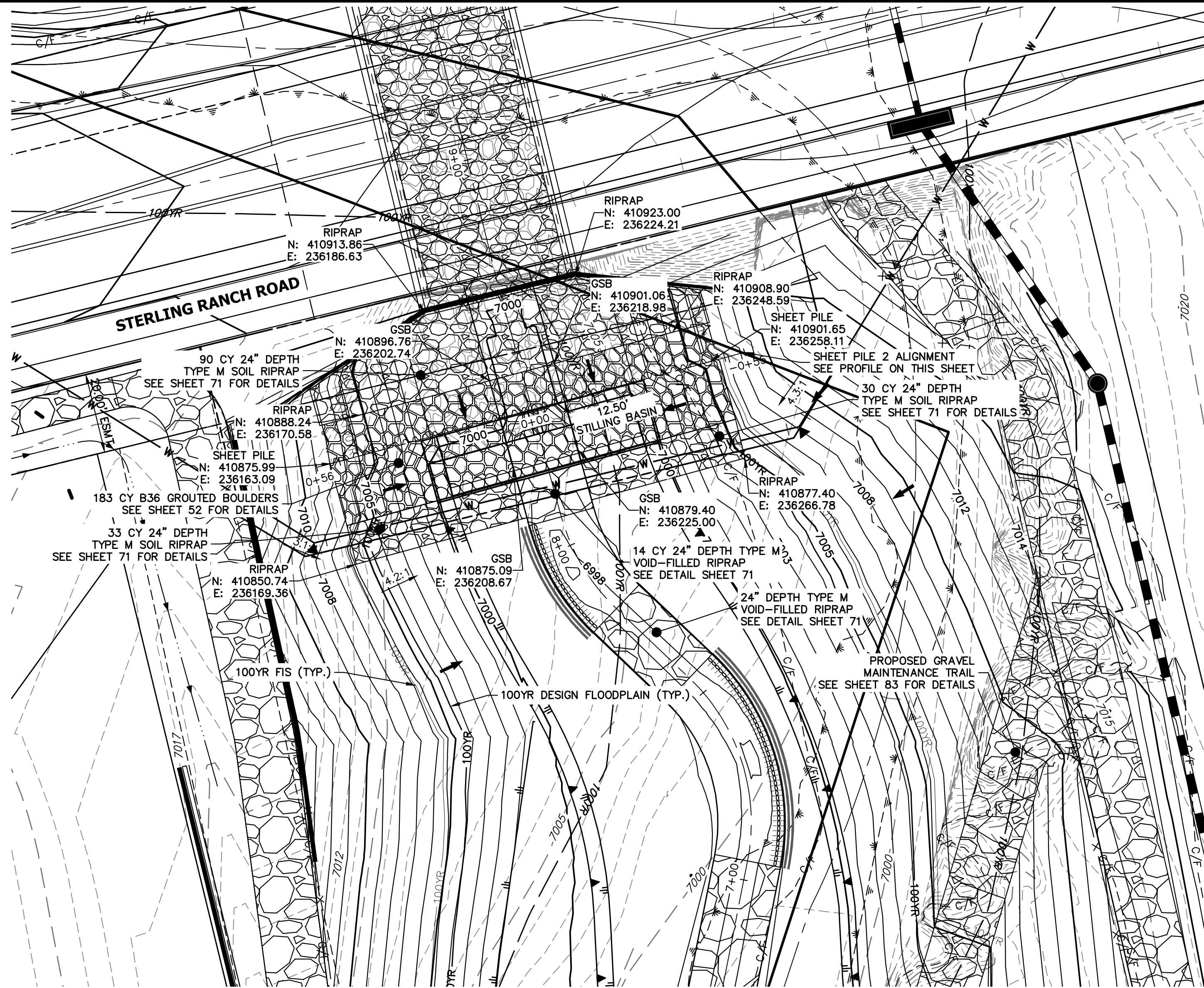
CHECKED BY

N/A

7/18/23

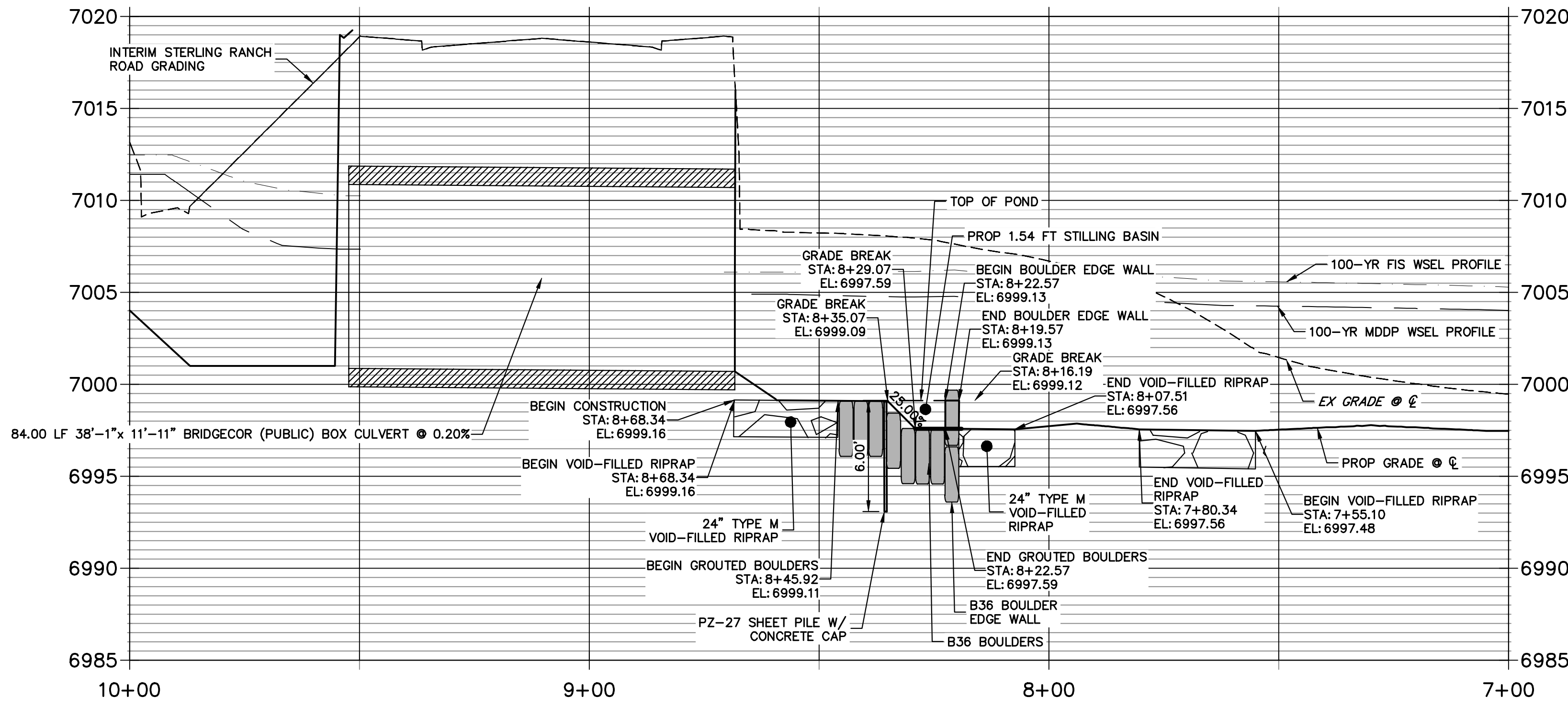
DV

NEO

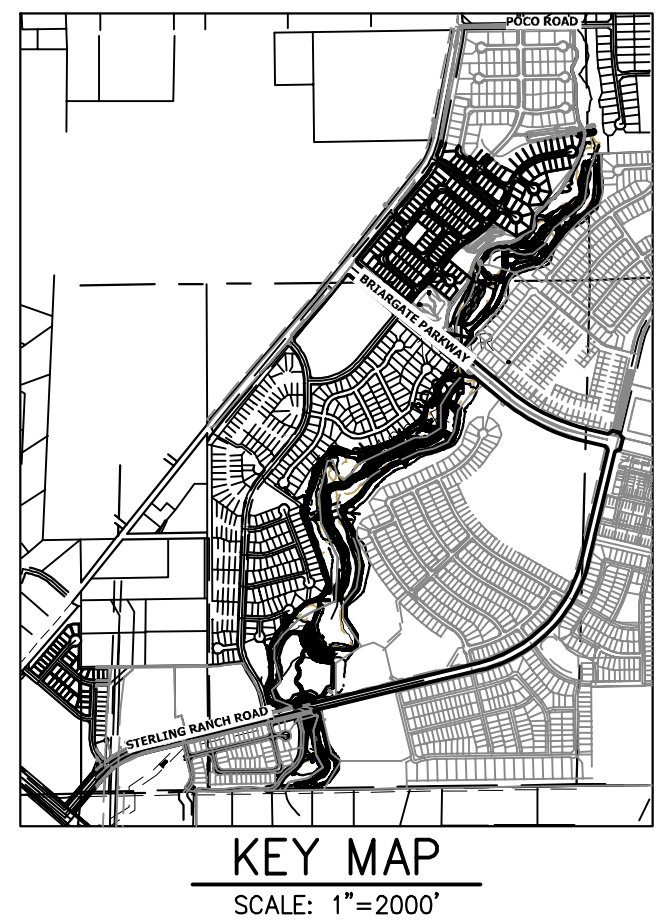
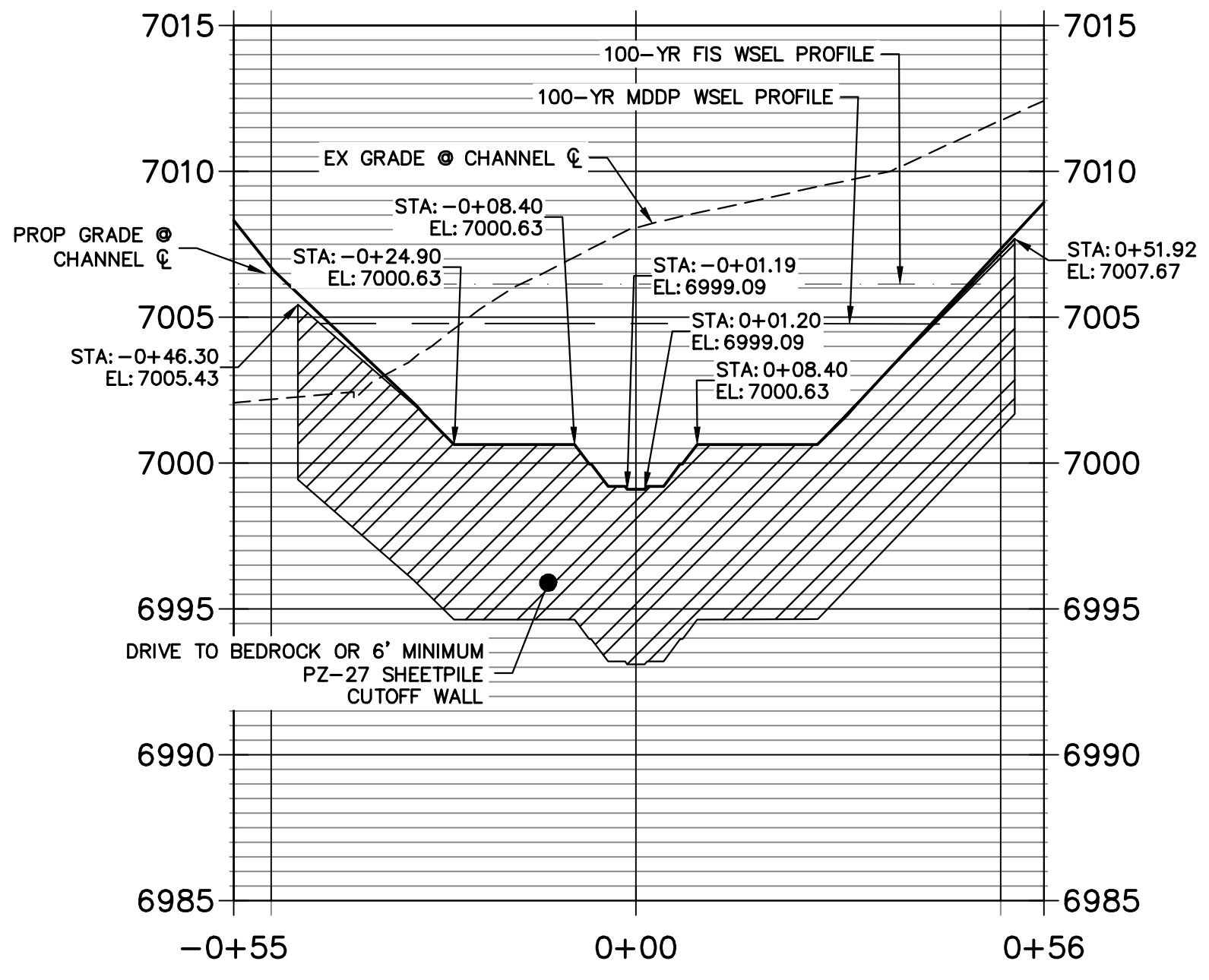


GRouted STEPPED BOULDER DROP #2 DETAIL
PLAN VIEW
SCALE: 1"=20'

GSB PROFILE 2
STA 7+00.00 TO 10+00.00



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



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
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No.	REVISION	BY	DATE	H-SCALE 1"=20'	V-SCALE 1"=5'	DATE 7/18/23	DESIGNED BY DV	DRAWN BY NEO	CHECKED BY

SAND CREEK RESTORATION

GSB DETAILS

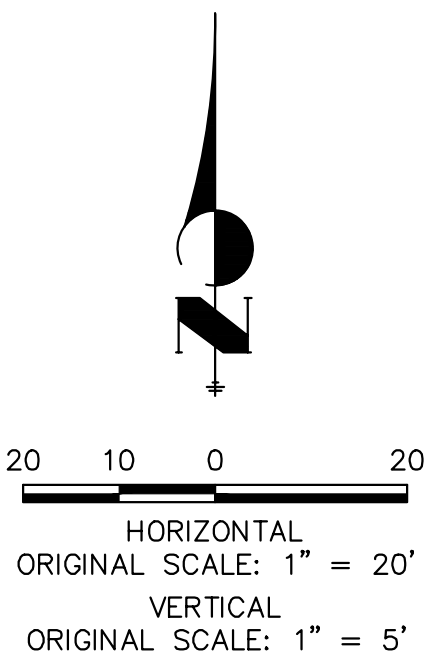
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

7/18/23

SHEET 55 OF 121

JOB NO. 25188.04



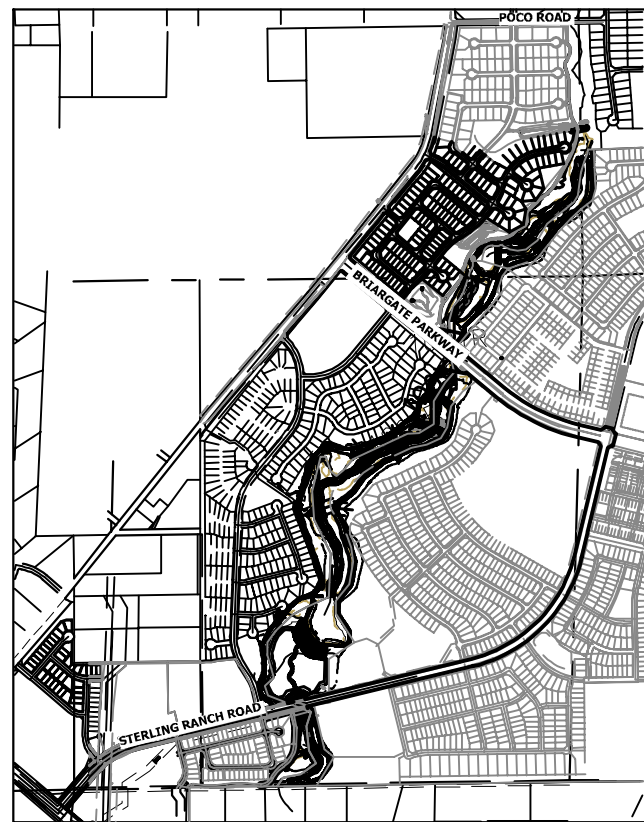
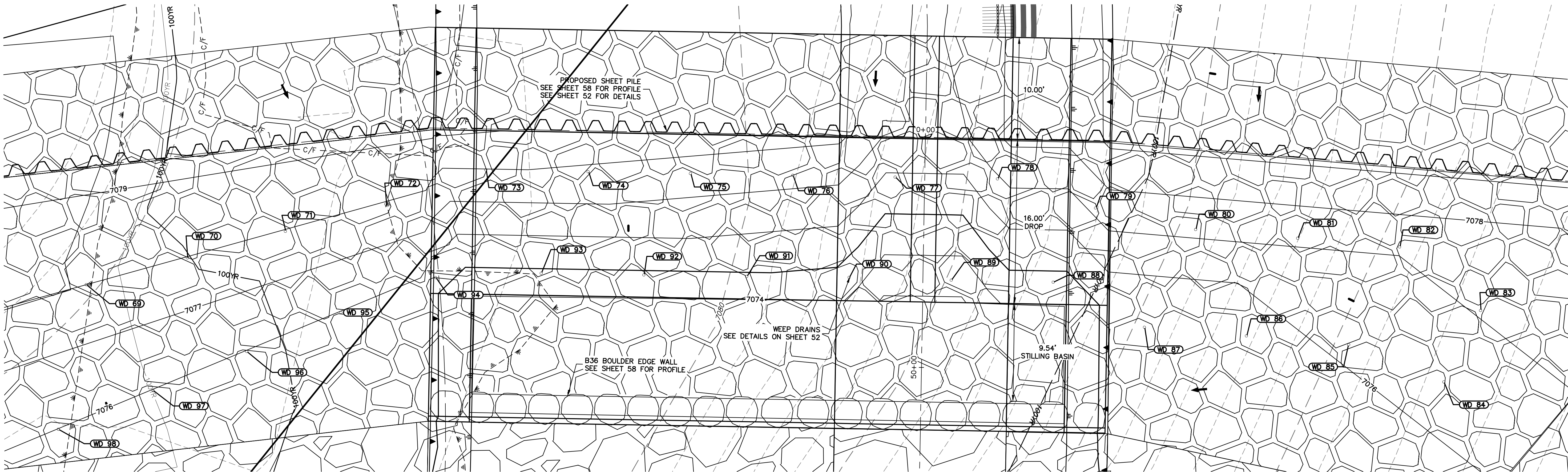
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

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

7/18/23

32314

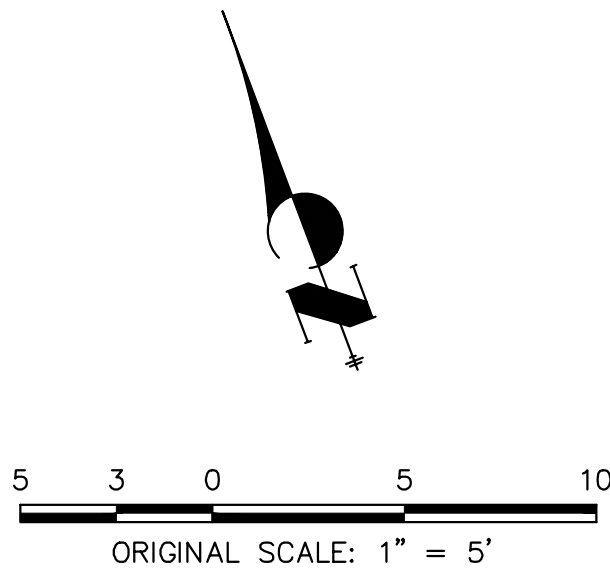
DATE



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: 237598.91	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



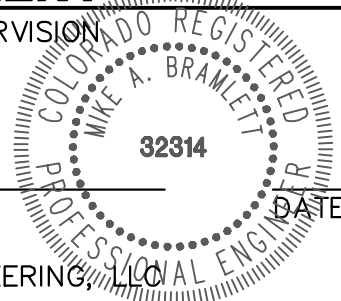
ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett

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

FOR AND ON BEHALF OF JR ENGINEERING



SAND CREEK RESTORATION

GSB DETAILS

SHEET 59 OF 121

JOB NO. 25188.04

BY DATE

No. REVISION

H-SCALE 1"=5'

V-SCALE N/A

DATE 7/18/23

DESIGNED BY DV

DRAWN BY NEO

CHECKED BY

PREPARED FOR

SR LAND, LLC

20 BOULDER CRESCENT

2ND FLOOR

COLORADO SPRINGS, CO 80903

JAMES F. MORLEY

(719) 419-3024

J.R. ENGINEERING

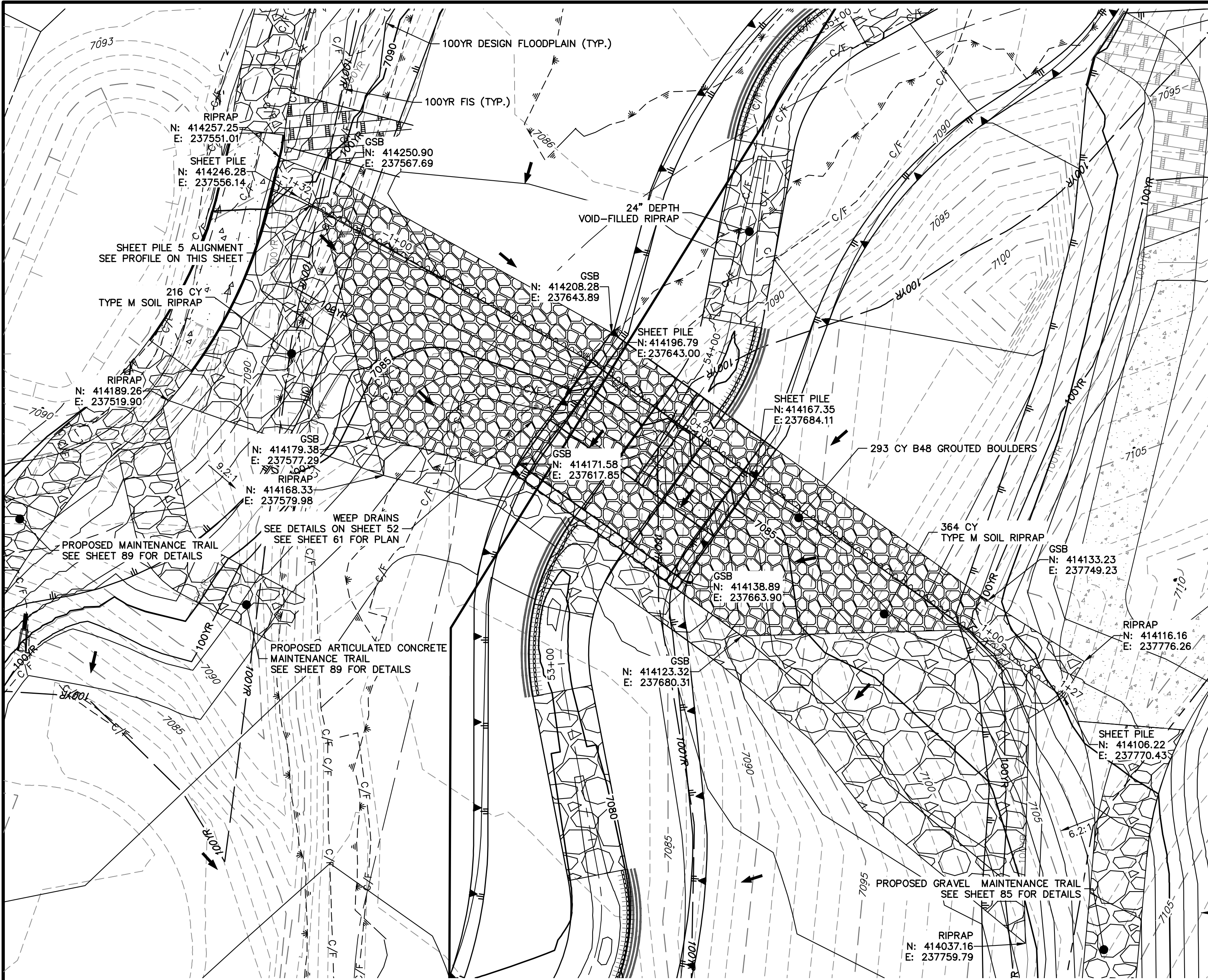
A Western Company



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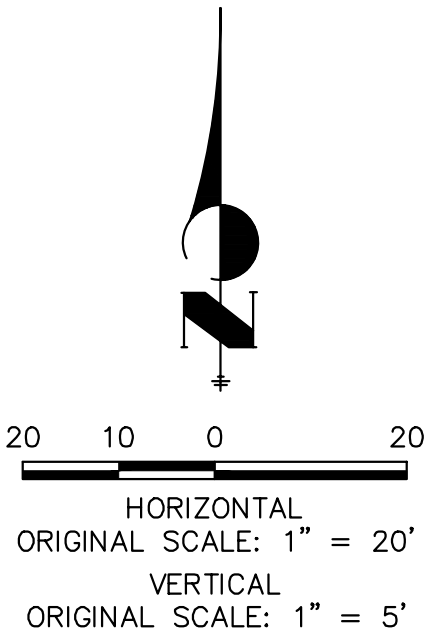
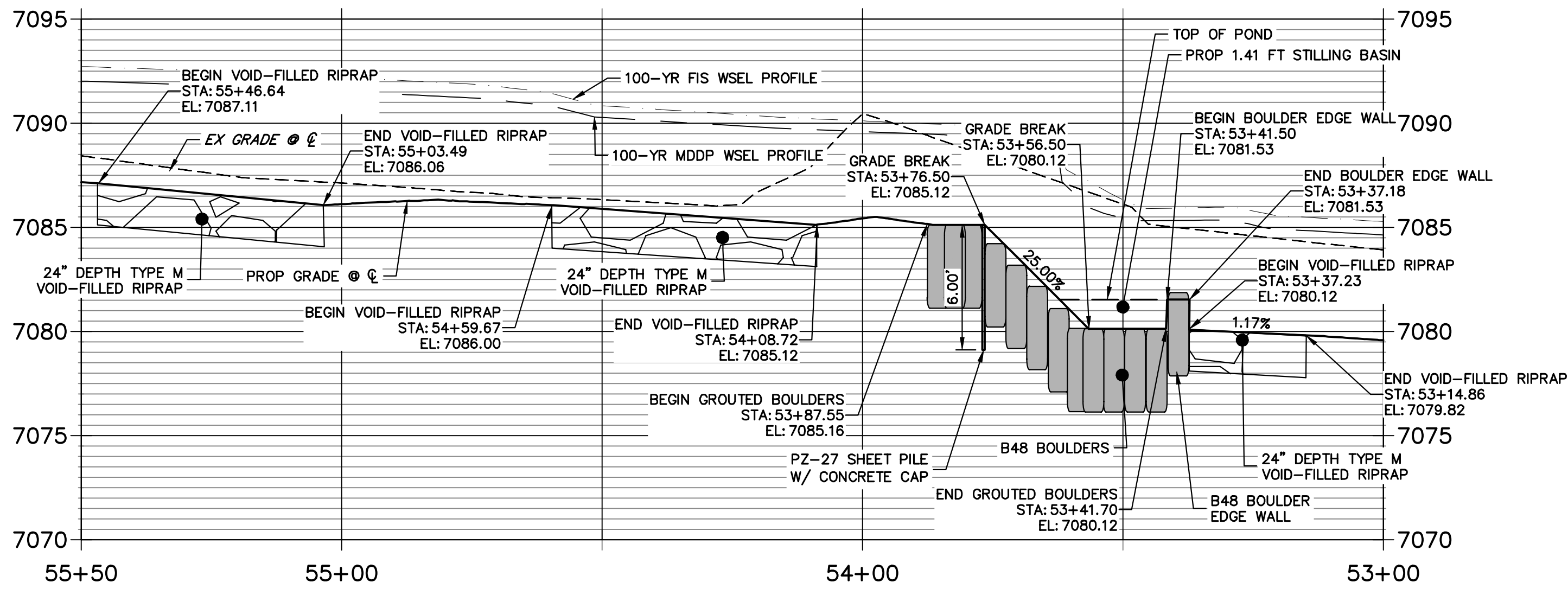
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GRouted STEPPED BOULDER DROP #5 DETAIL
PLAN VIEW
SCALE: 1"=20'

GSB PROFILE 5
STA 53+00.00 TO 55+50.00

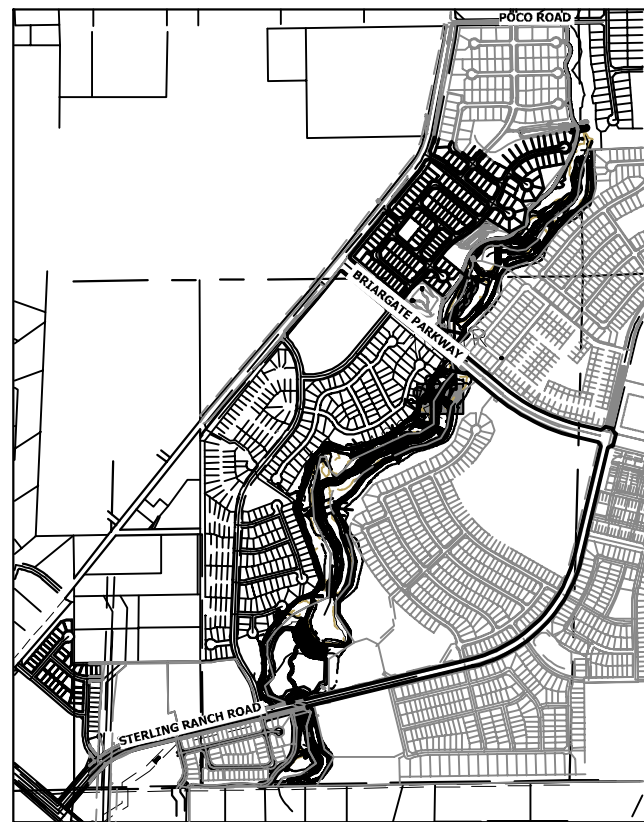
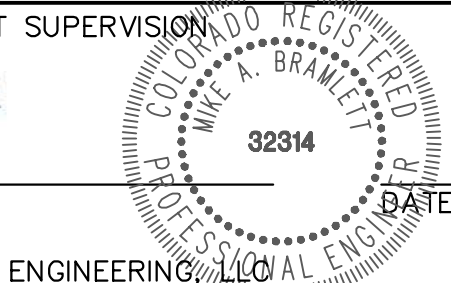


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

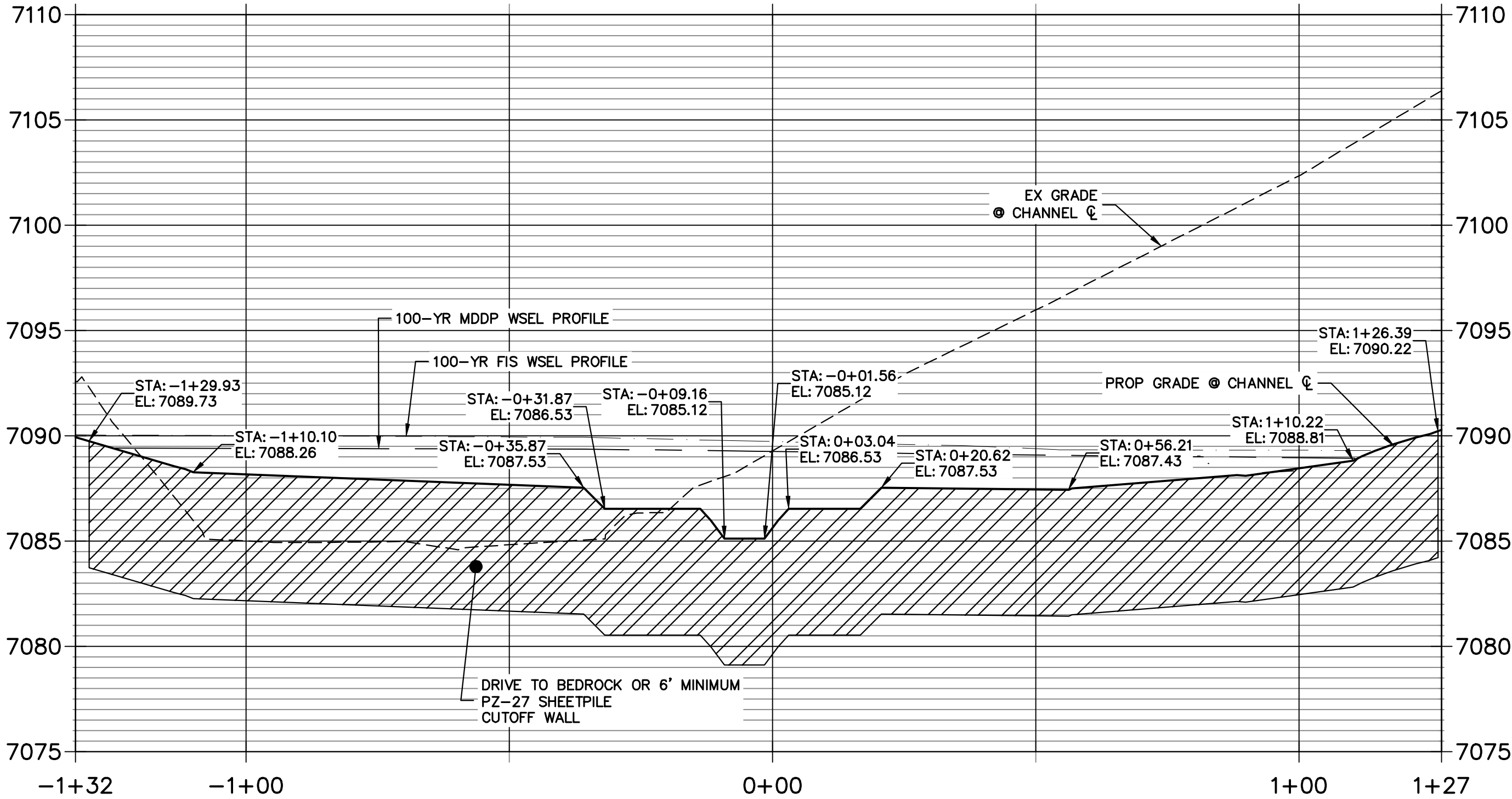
Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314


FOR AND ON BEHALF OF JR ENGINEERING, INC.
DATE 7/18/23

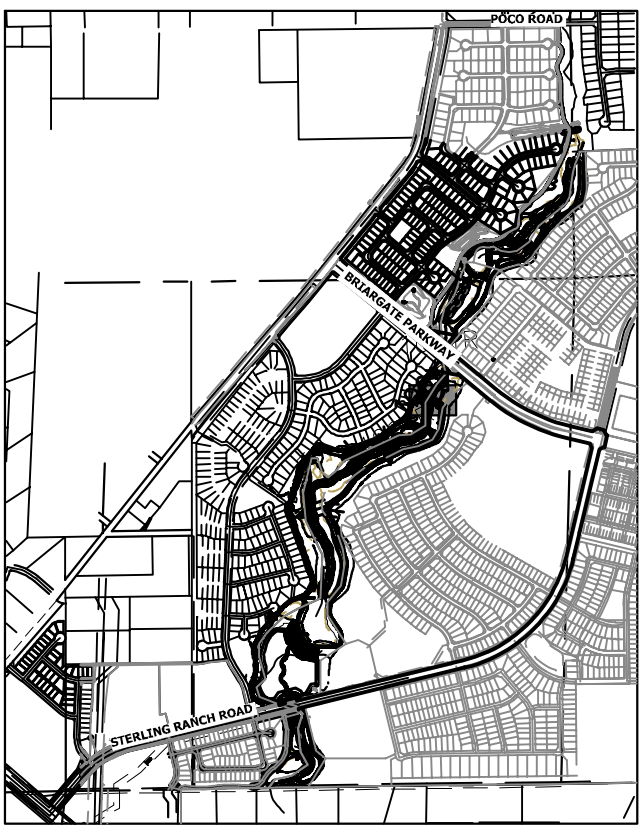


KEY MAP
SCALE: 1"=2000'

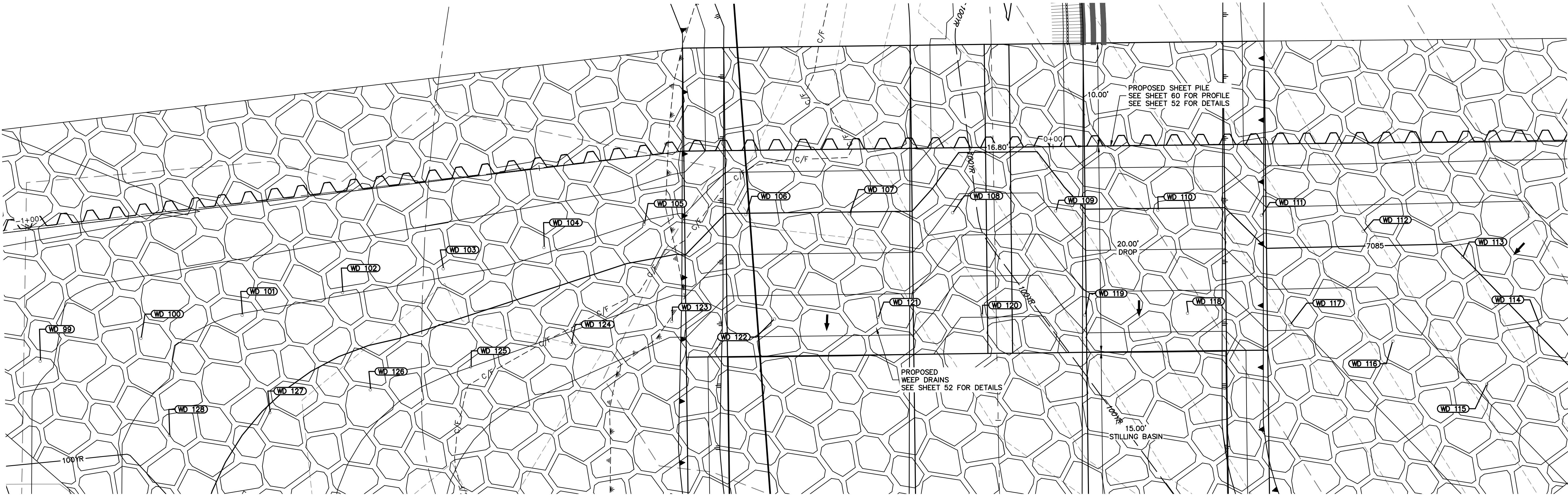
GSB 5 SHEET PILE PROFILE
STA -1+32.40 TO 1+27.04



SHEET 60 OF 121		SAND CREEK RESTORATION		H-SCALE 1"=20'		No.		REVISION		BY		DATE		J-R ENGINEERING A Westman Company  Central 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com		PREPARED FOR SR LAND, LLC 20 BOULDER CRESCENT 2ND FLOOR COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 419-3024		UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USES ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.	
GSB DETAILS		DATE 6/15/23		V-SCALE 1"=5'															
		DESIGNED BY DJV																	
		DRAWN BY NEO																	
		CHECKED BY																	
JOB NO. 25188.04																			



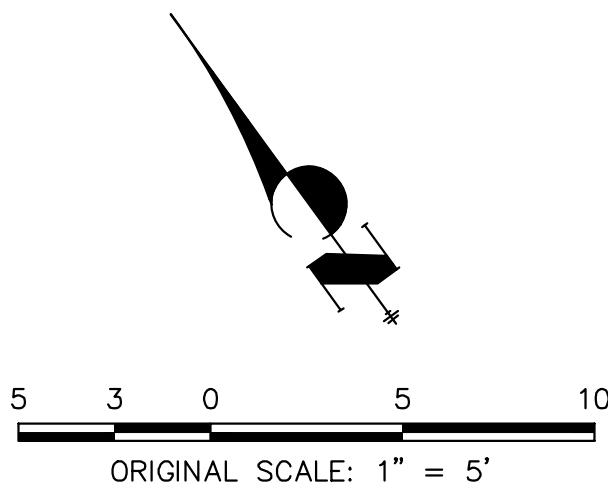
KEY MAP
SCALE: 1"=2000'



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

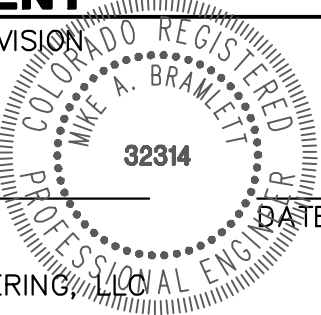
POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEV
WD 99	WEEP DRAIN	N: 414220.44 E: 237575.56	7087.12
WD 100	WEEP DRAIN	N: 414216.47 E: 237584.78	7086.30
WD 101	WEEP DRAIN	N: 414212.50 E: 237594.05	7085.97
WD 102	WEEP DRAIN	N: 414208.53 E: 237603.22	7086.05
WD 103	WEEP DRAIN	N: 414204.64 E: 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: 414154.99 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, INC.
DATE 7/18/23

SAND CREEK RESTORATION

GSB DETAILS

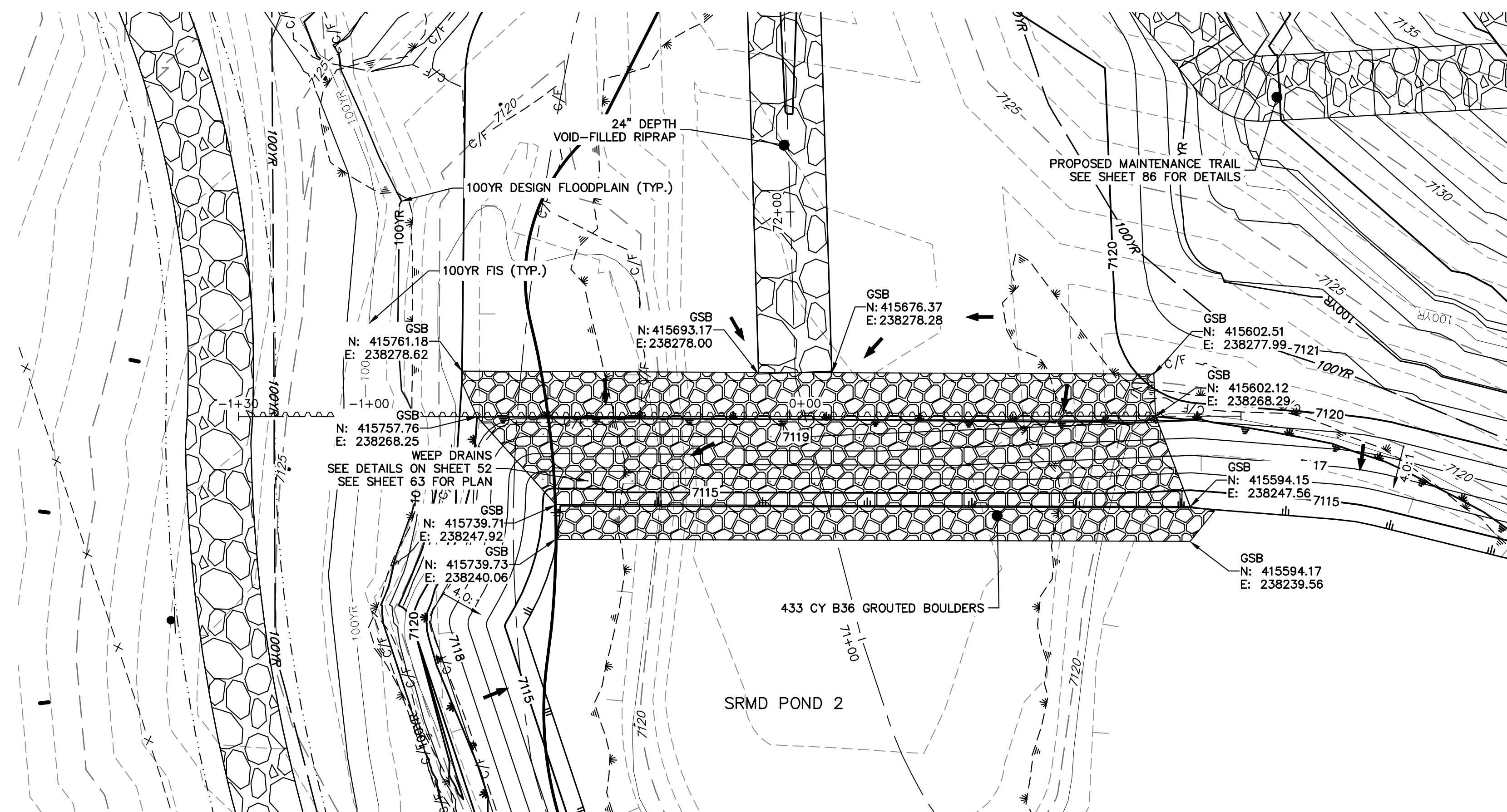
SHEET 61 OF 121
JOB NO. 25188.04

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

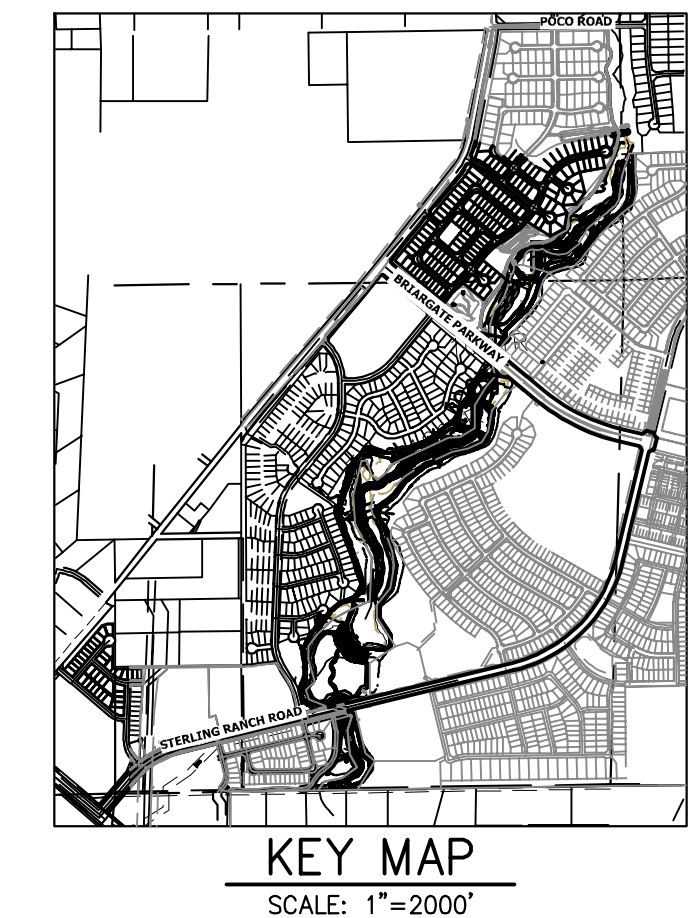
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Fort Collins 970-491-9888 • www.jrengineering.com

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

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AUTHORIZATION.



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



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

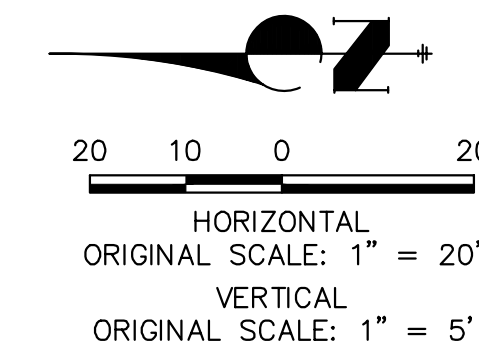
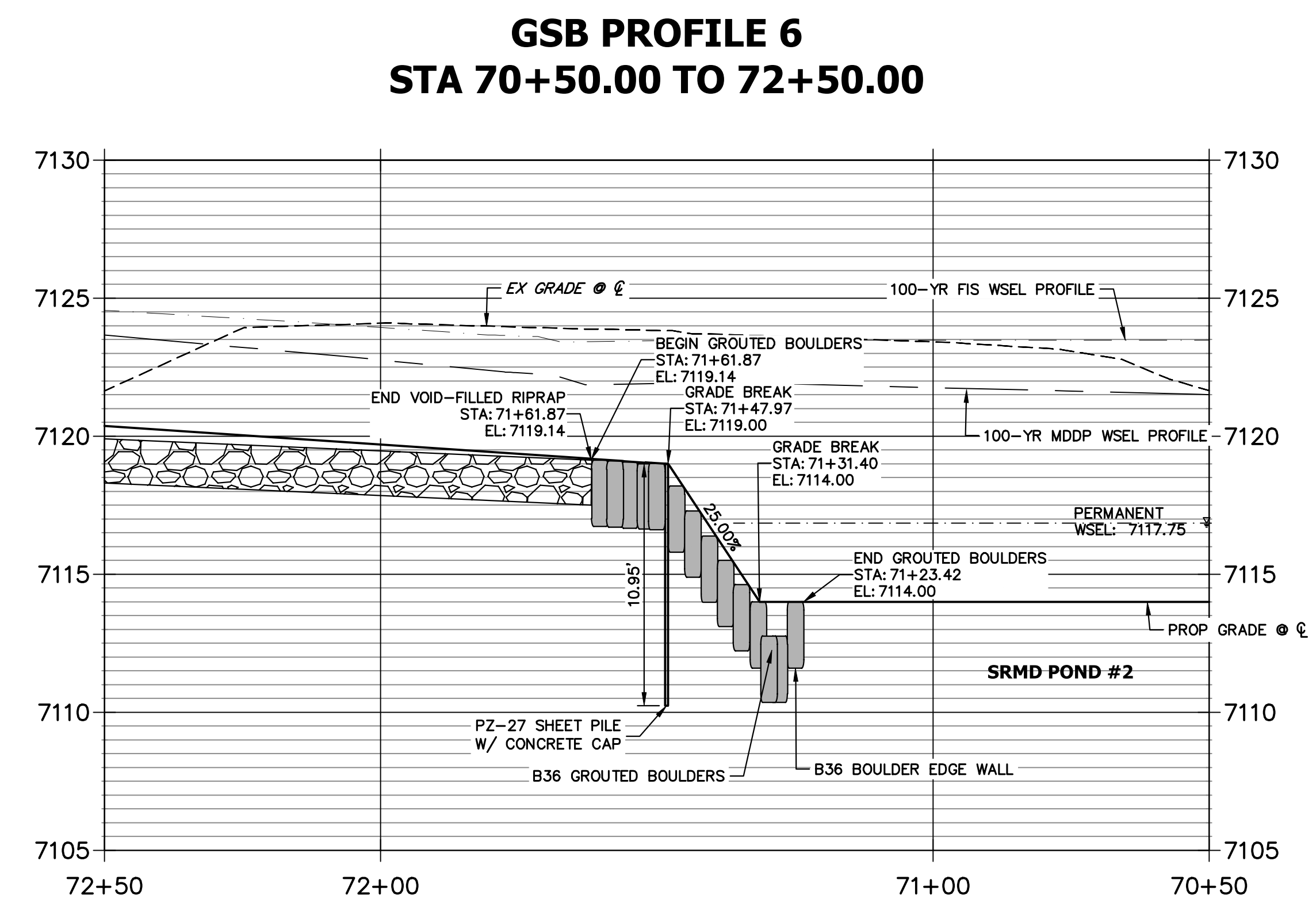
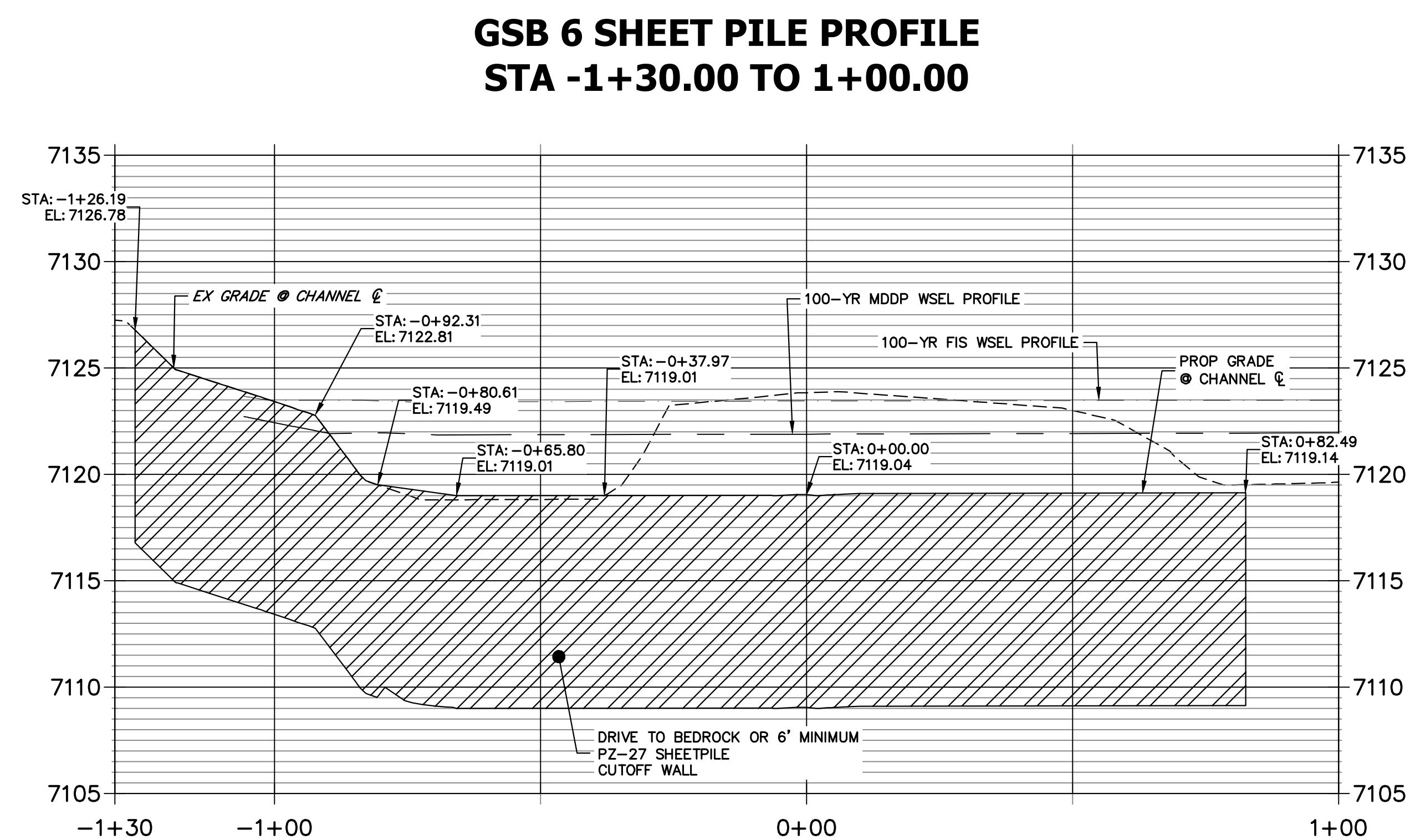
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[illegible]

H-SCALE	1"=20'
V-SCALE	1"=5'
DATE	6/15/23
DESIGNED BY	DJV
DRAWN BY	NEO
CHECKED BY	

SAND CREEK RESTORATION	
CSB DETAILS	
SHEET 62	OF 121
JOB NO.	25188.04



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

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett

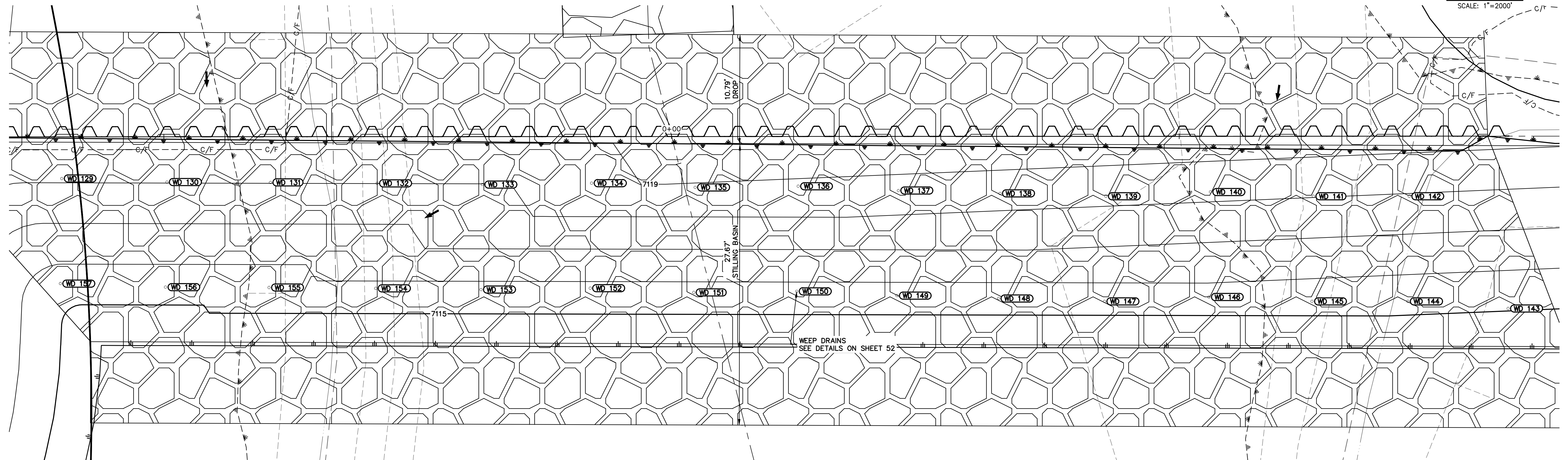
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

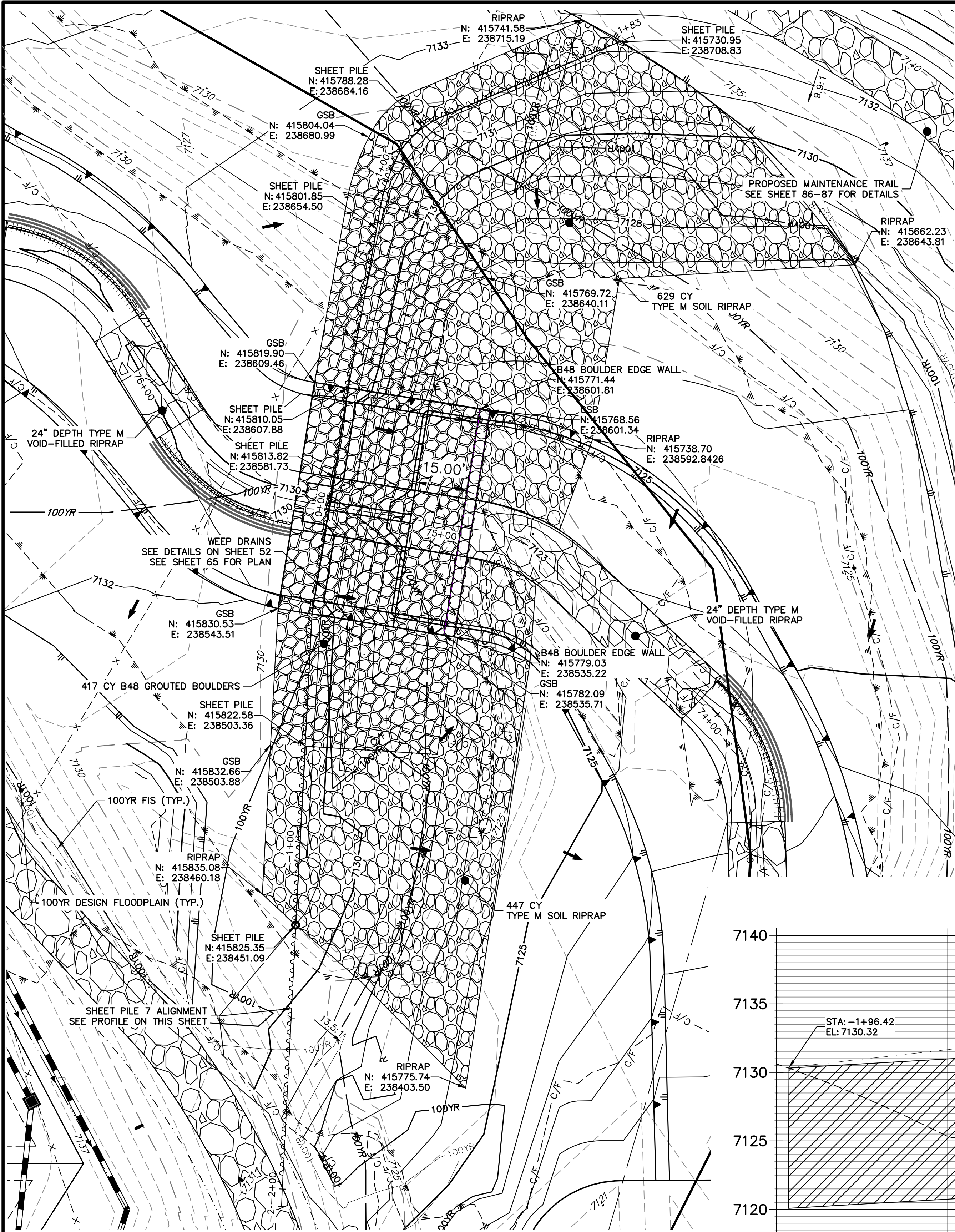
MENT
SUPERVISION

32314

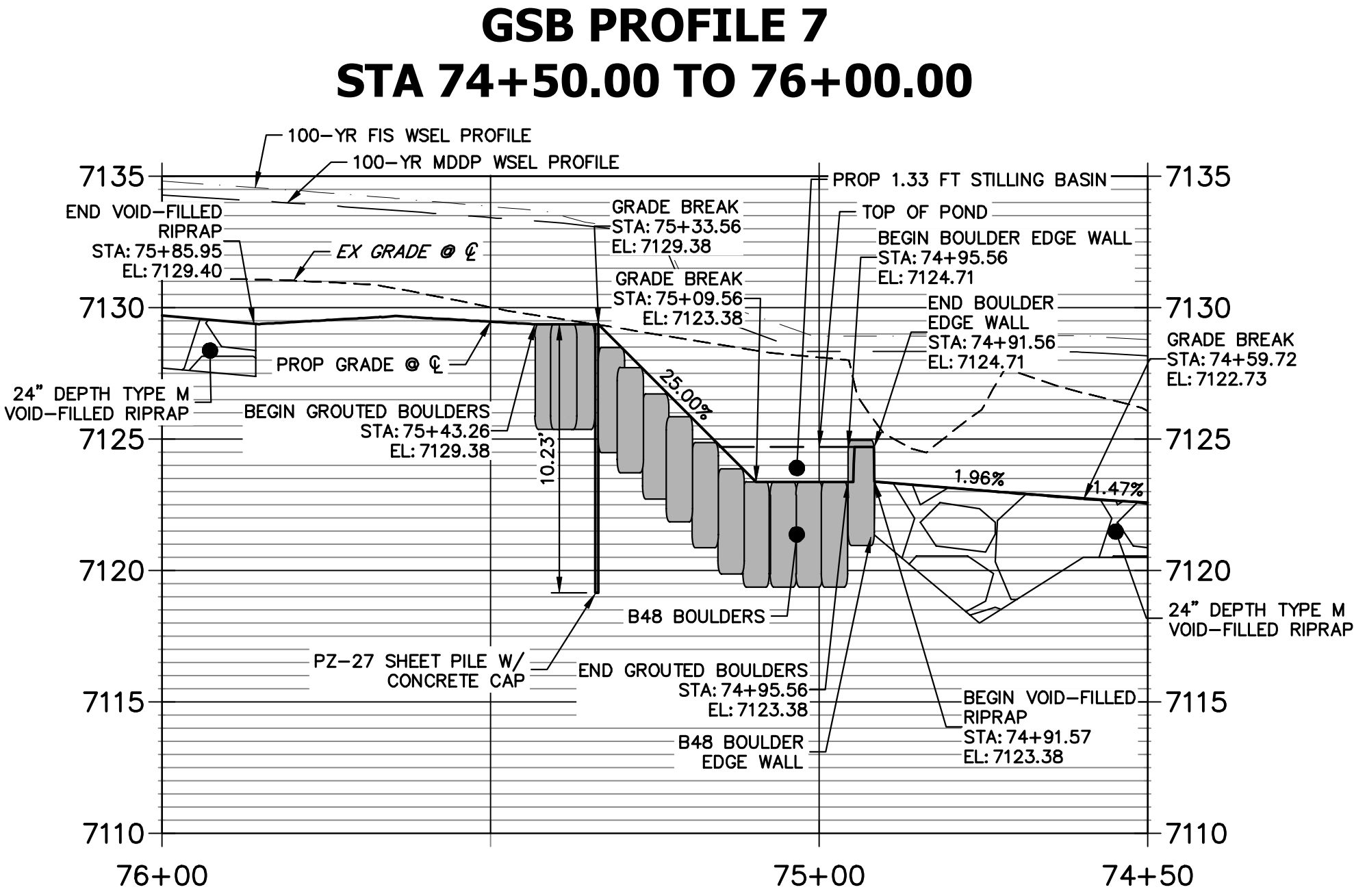
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ENGINEERING, LLC

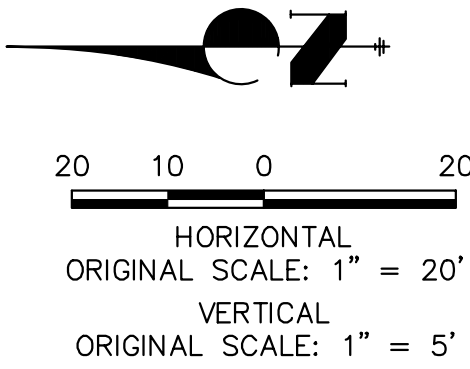
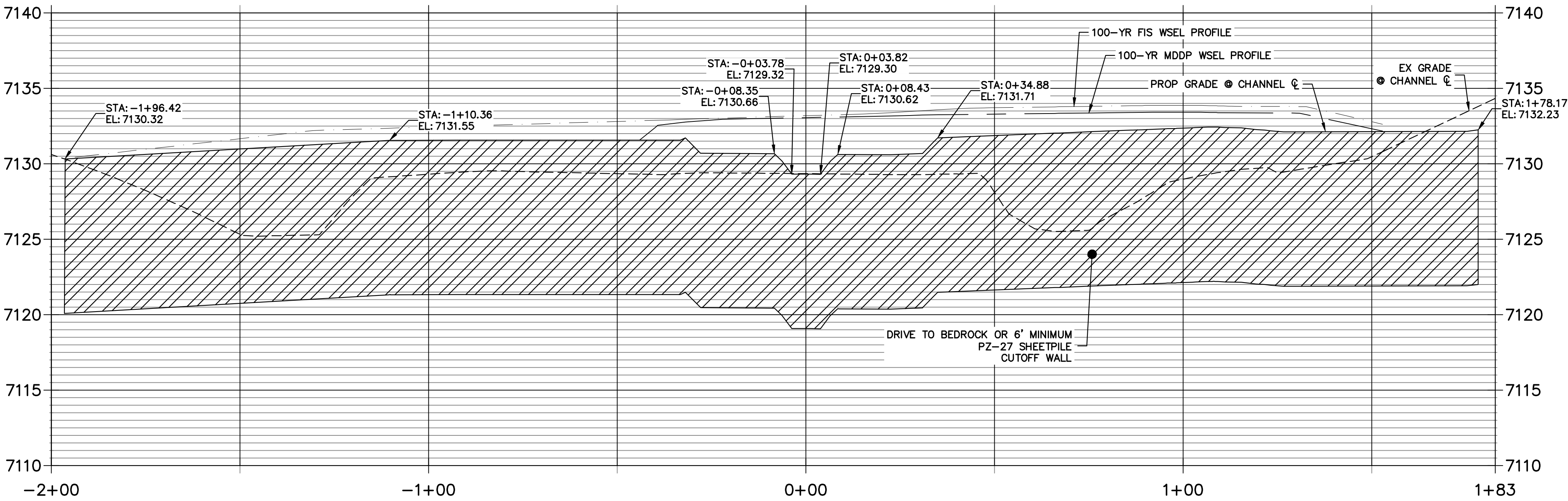




GRouted STEPPED BOULDER DROP #7 DETAIL
PLAN VIEW
HORIZONTAL SCALE: 1"=20'



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

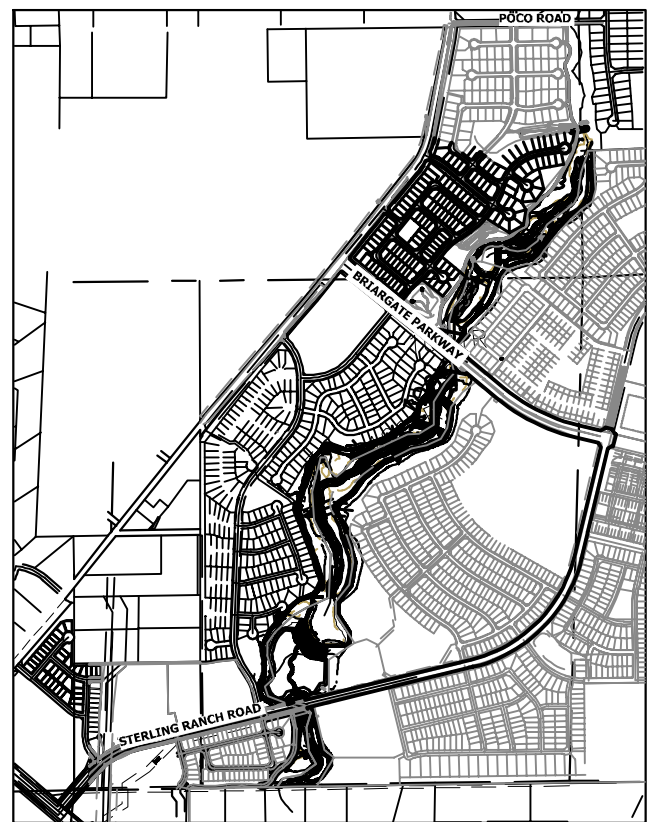
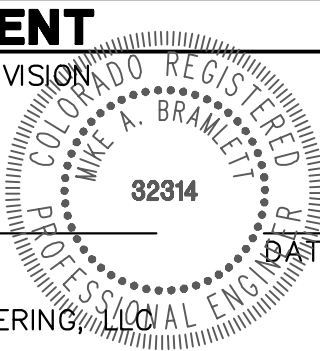


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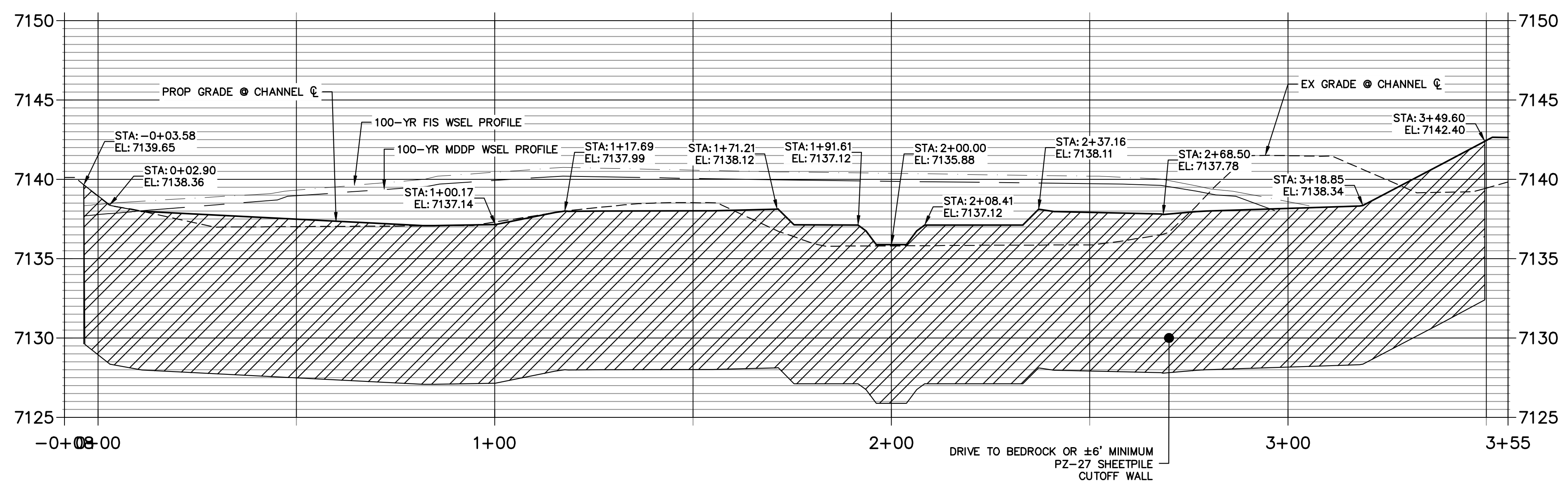
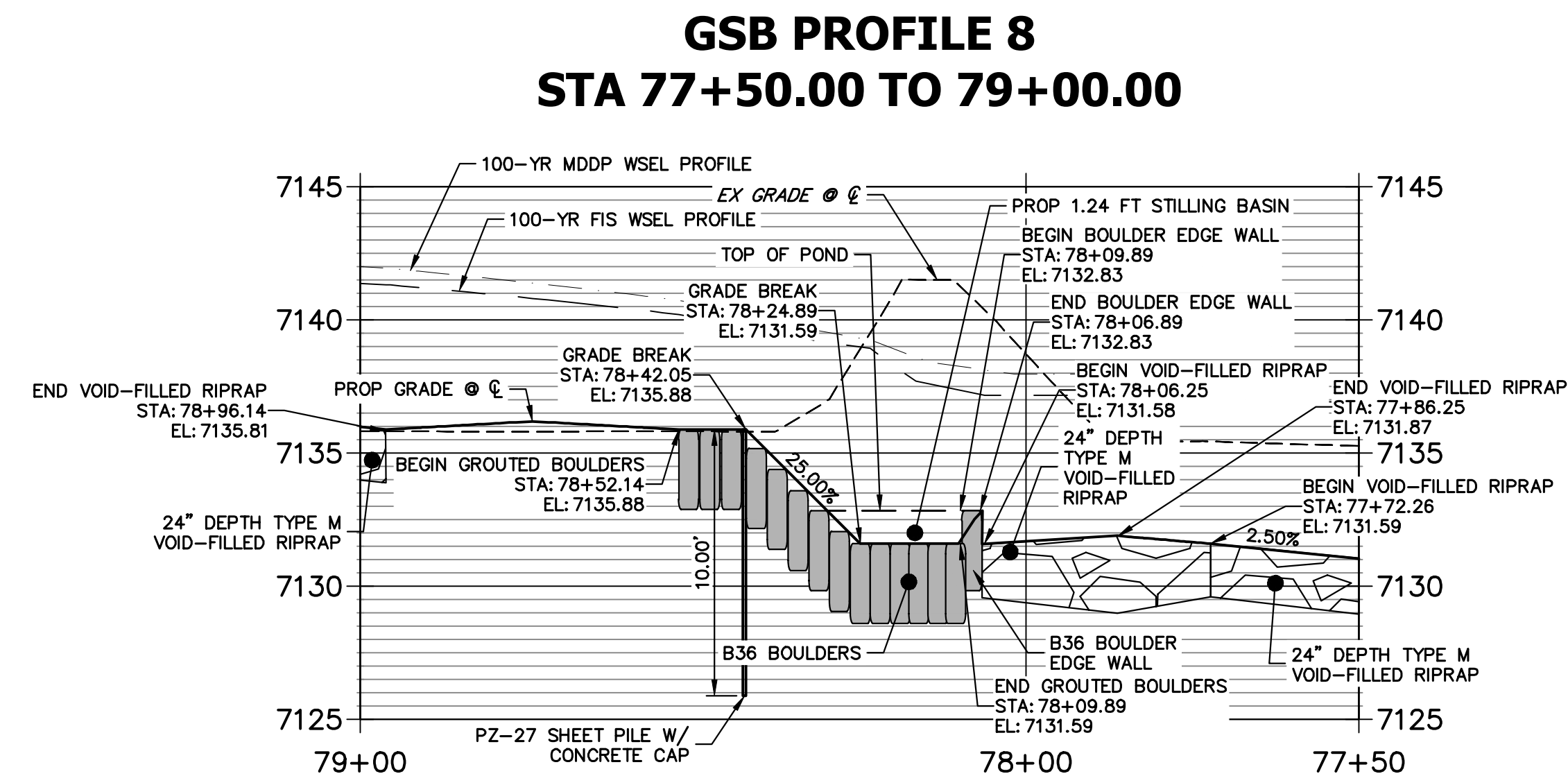
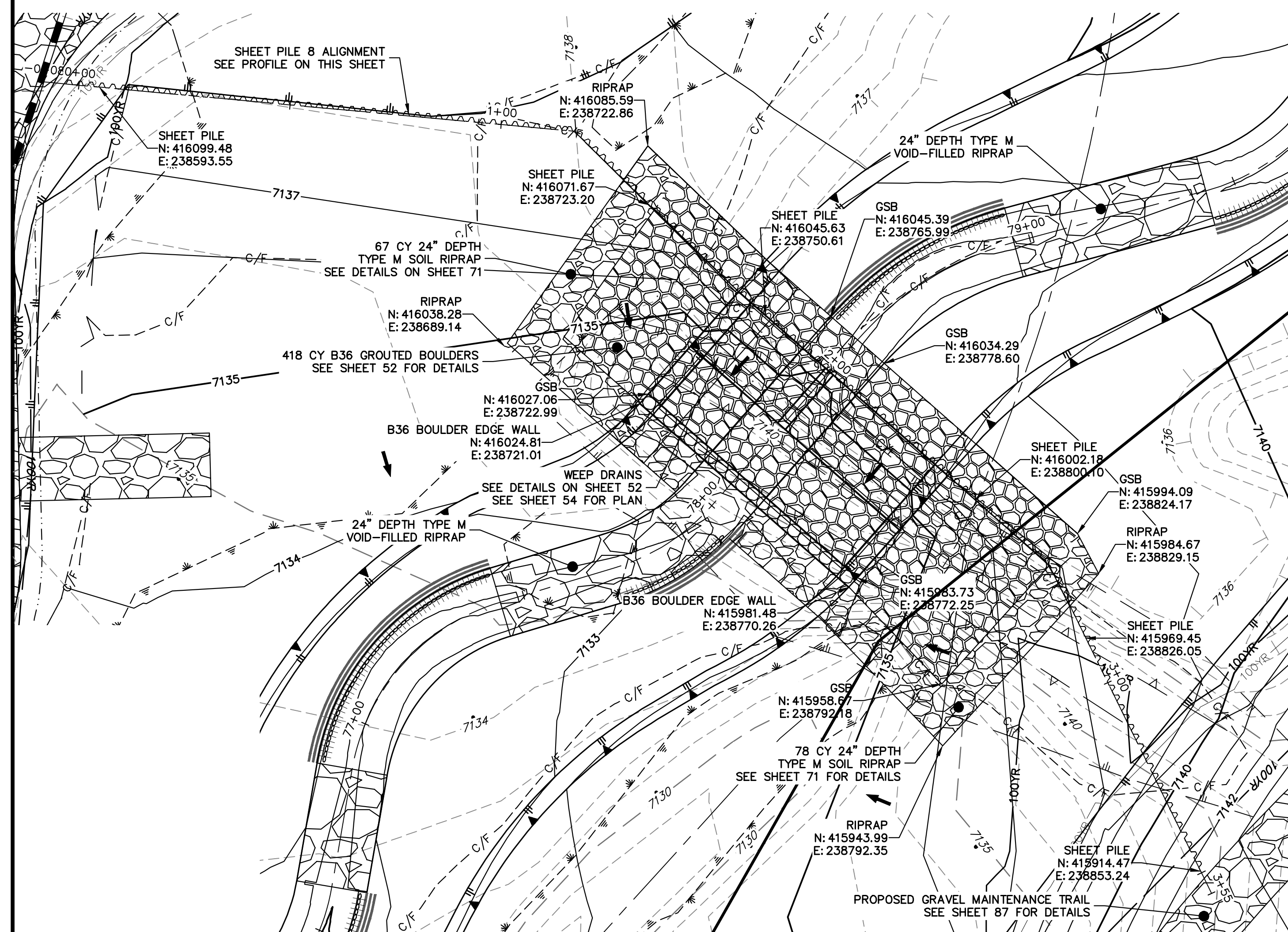
ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



SAND CREEK RESTORATION	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		
	BY	DATE		
	No.	REVISION		
GSB DETAILS	H-SCALE	1"=20'		
	V-SCALE	1"=5'		
	DATE	7/18/23	DESIGNED BY	DJV
	DRAWN BY	NEO	CHECKED BY	
		SHEET 64 OF 121		
		JOB NO. 25188.04		



ENGINEER'S STATEMENT

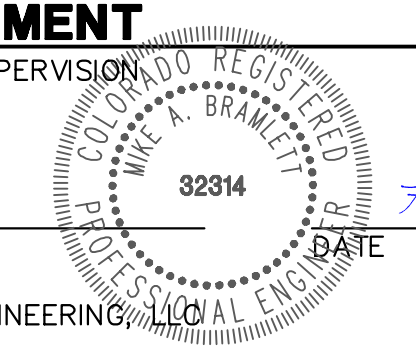
PREPARED UNDER MY DIRECT SUPERVISION

Mike Bramlett

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

FOR AND ON BEHALF OF JR ENGINEERING, INC.

PROFESSIONAL ENGINEER
STATE OF COLORADO
32314
DATE 7/18/23



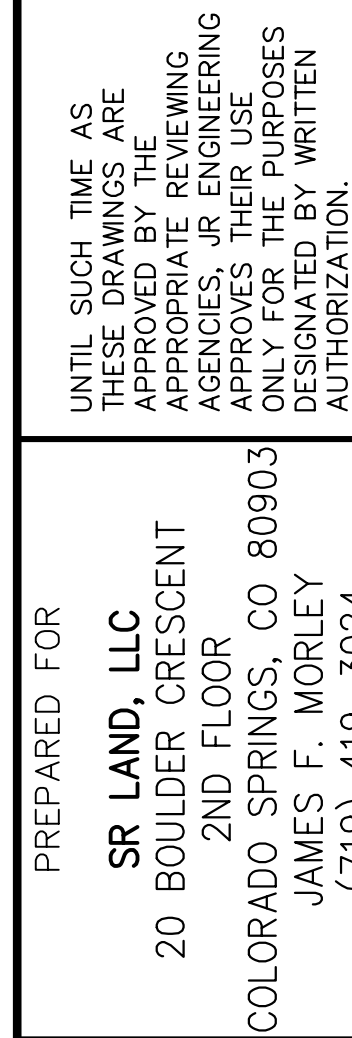
SAND CREEK RESTORATION		GSB DETAILS	
SHEET	66	OF	121
JOB NO.	25188.04		

 **J·R ENGINEERING**
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Fort Collins 970-491-8888 • www.jrengineering.com

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

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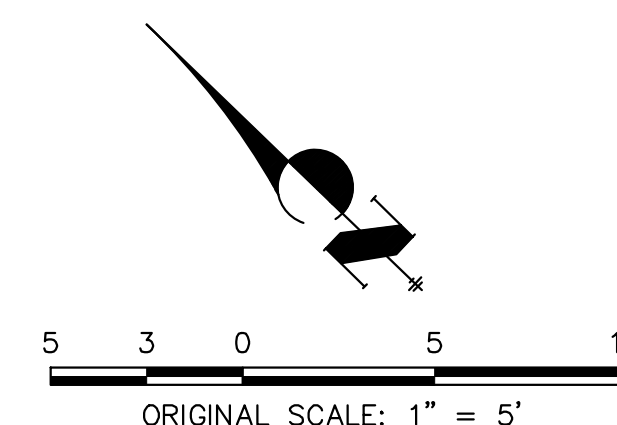


 **J.R. ENGINEERING**
A Westrian Company

Centennial 303-740-0983 • Colorado Springs 719-598-2583
Fort Collins 970-491-9988 • www.jrengineering.com

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: 415987.92 E: 238792.49	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: 416018.84 E: 238762.73	7133.64
WD 223	WEEP DRAIN	N: 416023.46 E: 238755.17	7132.43
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	7135.58
WD 228	WEEP DRAIN	N: 416050.52 E: 238715.08	7135.82



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

ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION


Mike Brunlett

MIKE A BRAMLETT PE

MIKE A BRAMLETT PE

MIRE A. BRAMELTI, P.E.
COLORADO P.E. 32314

FOR AND ON BEHALF OF JR ENGINEERING,



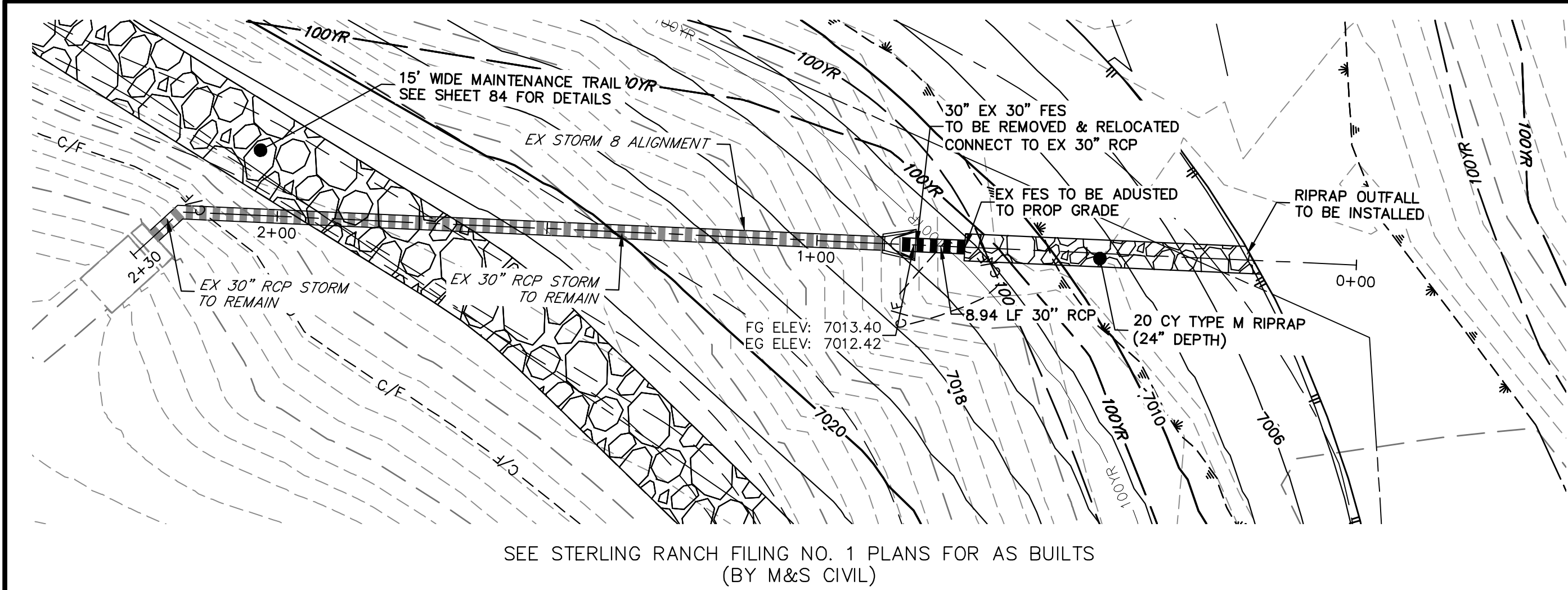
7/18/23

SAND CREEK RESTORATION

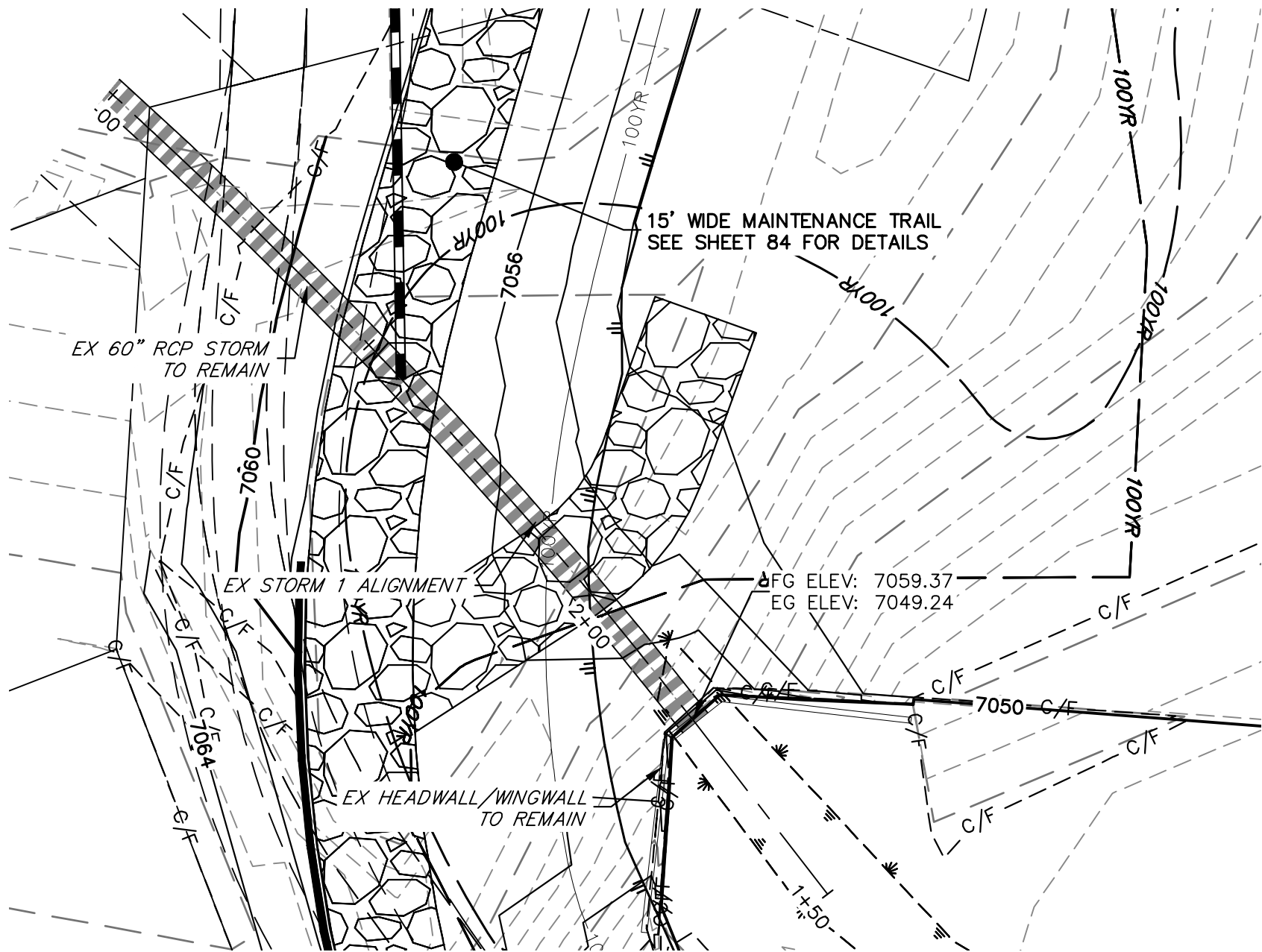
GSB DETAILS

SHEET 67 OF 120

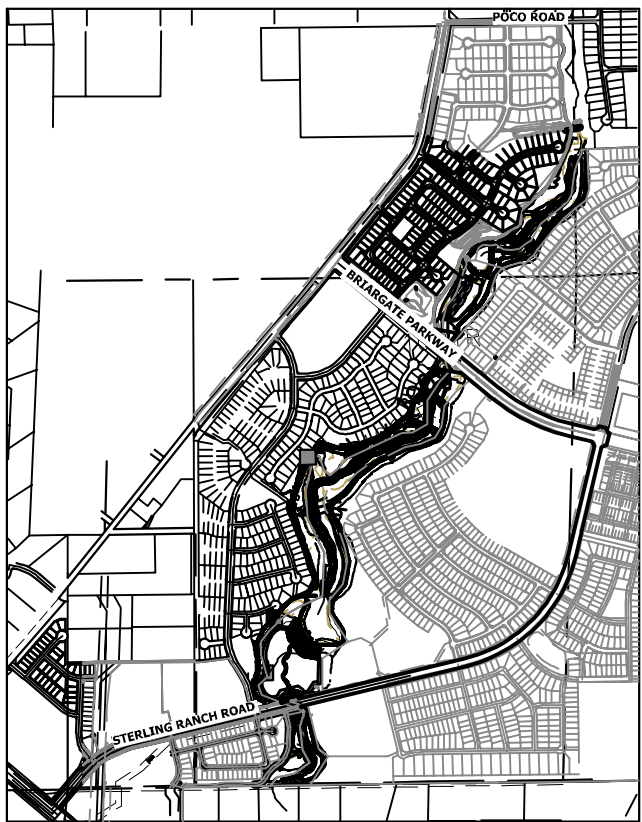
JOB NO. 25188.04



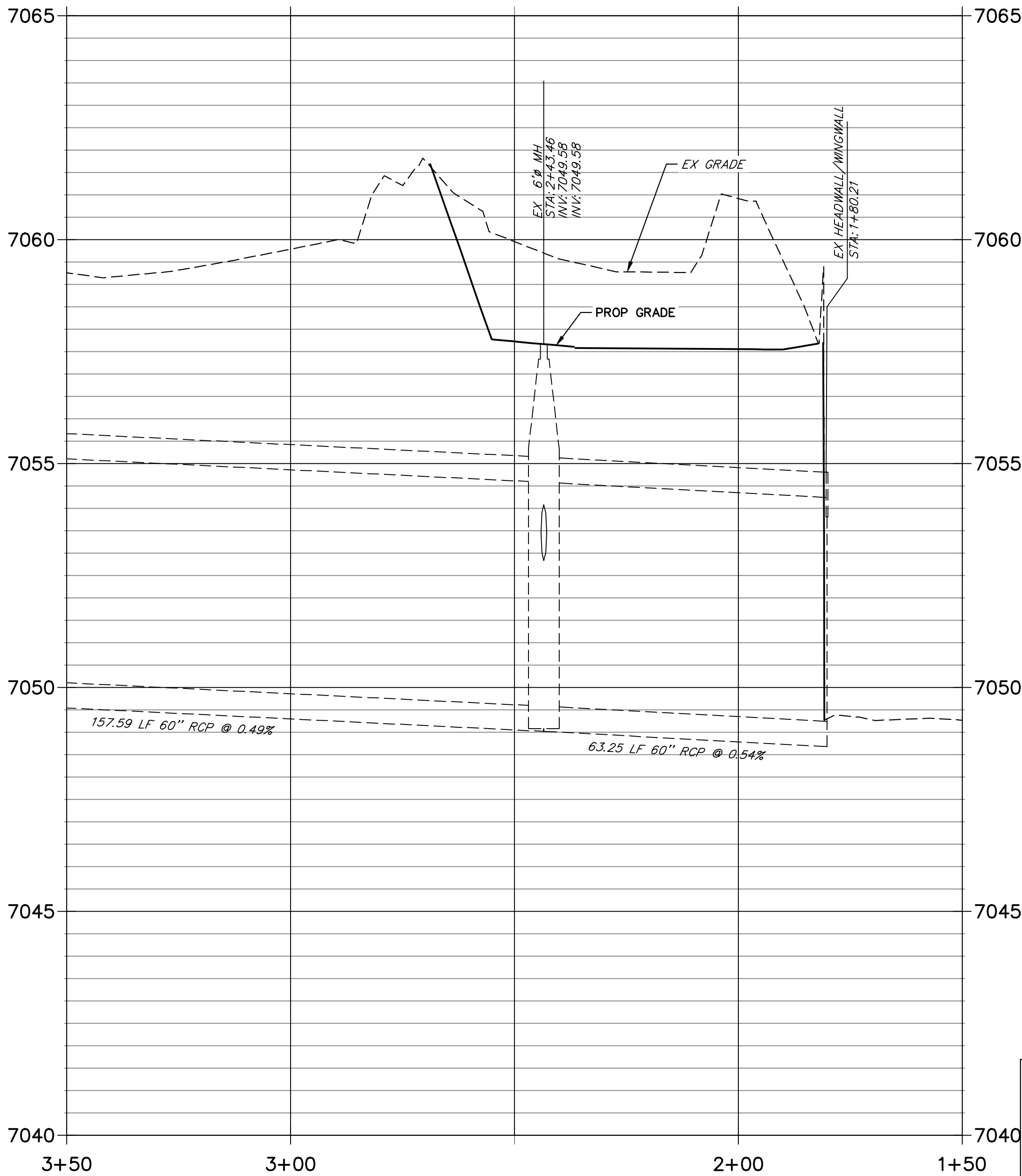
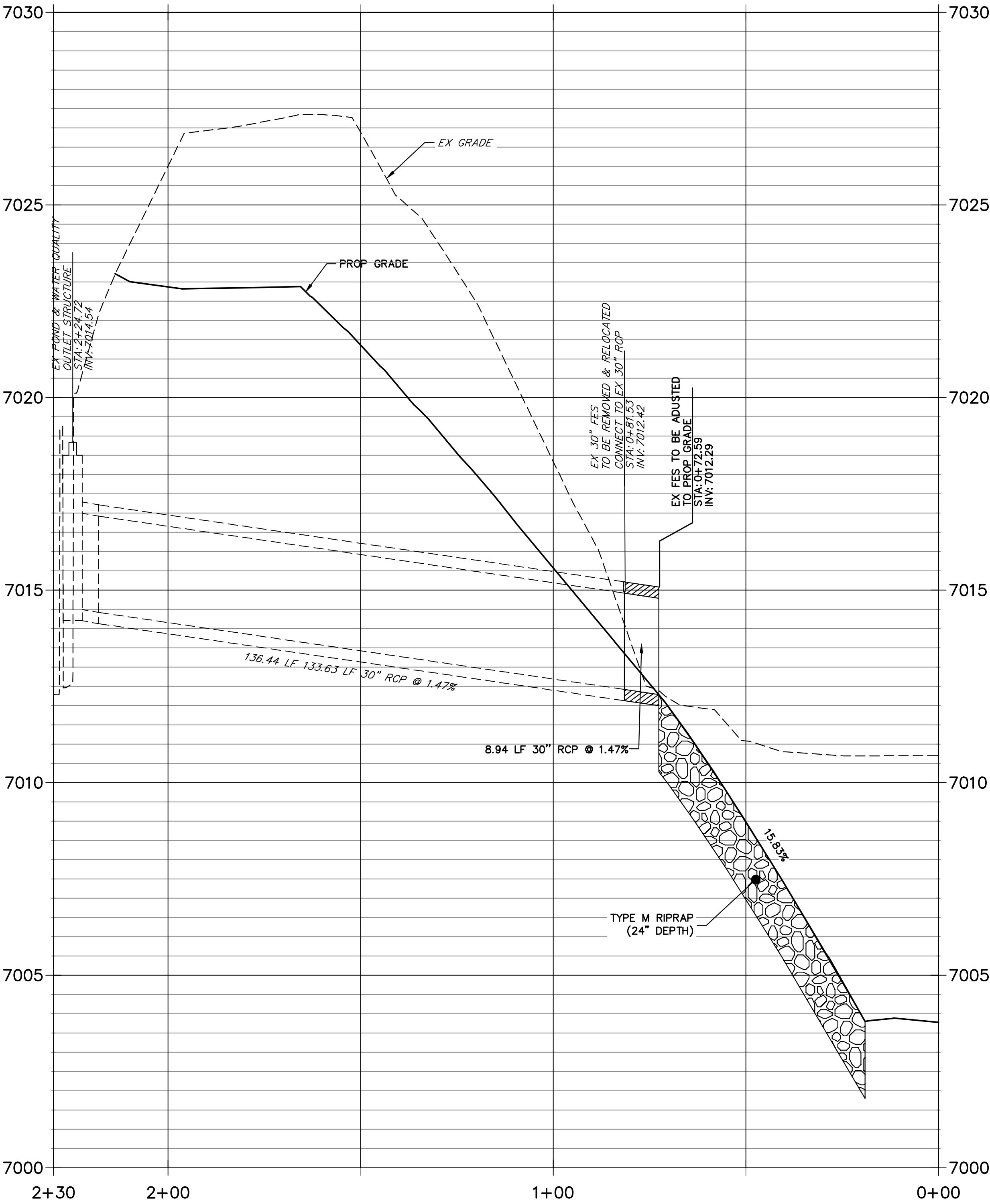
EX STORM 8
STA 0+00.00 TO 2+29.72



EX STORM 1
STA 1+50.00 TO 3+50.00



KEY MAP
SCALE: 1"=2000'

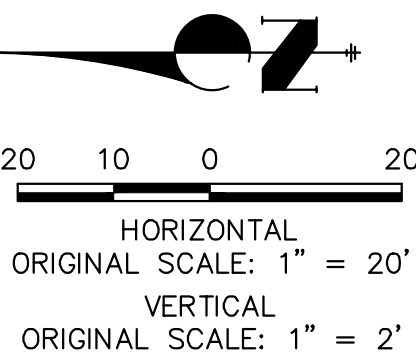


BENCHMARK

1. 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
2. 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
3. THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411399.962
EASTING = 233849.817
ELEVATION = 7030.82

BASIS OF BEARINGS

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



ENGINEER'S STATEMENT

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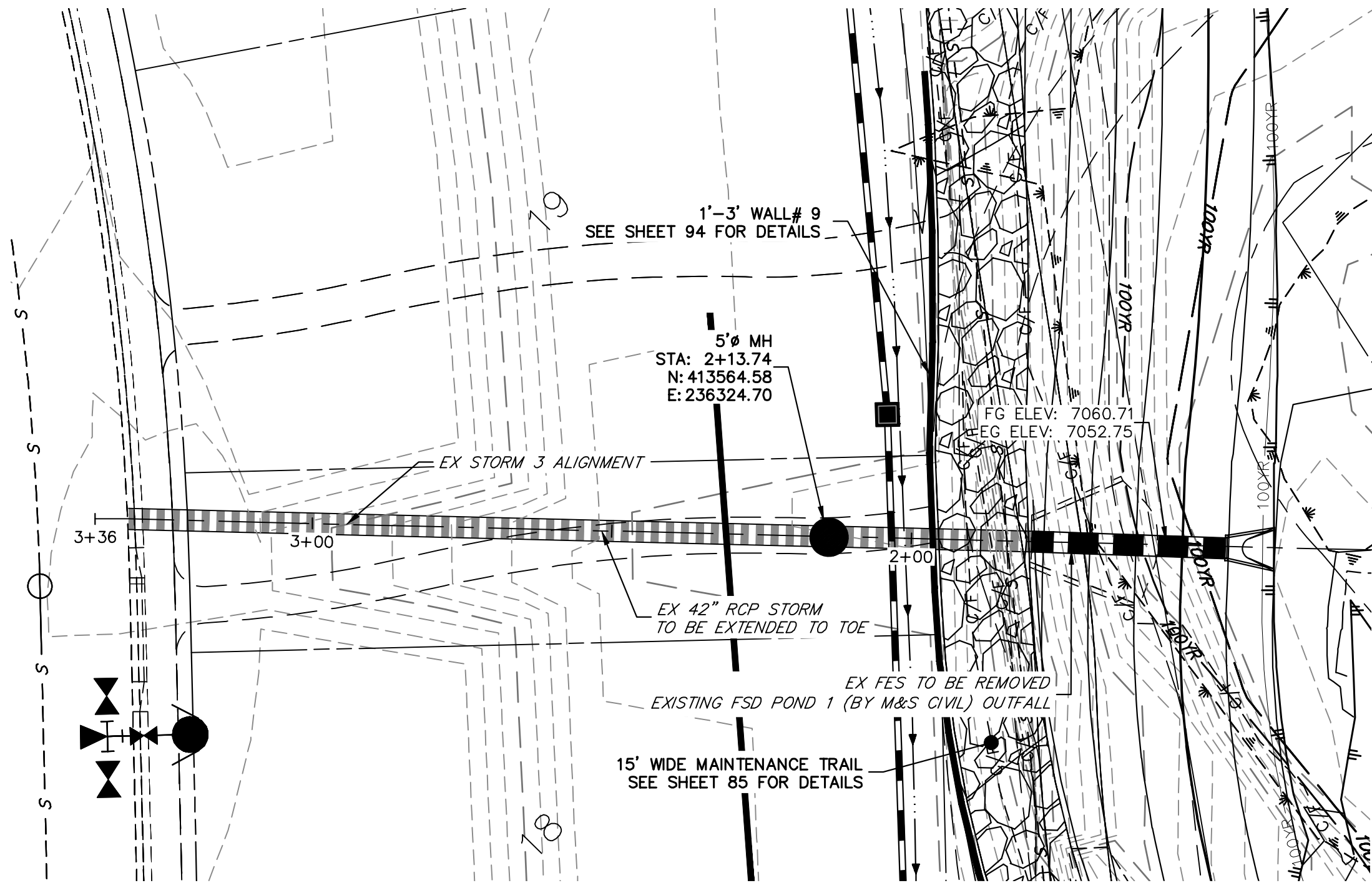
Mike A. Bramlett
MICHAEL A. BRAMLETT
32314
7/18/23
DATE
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, INC.

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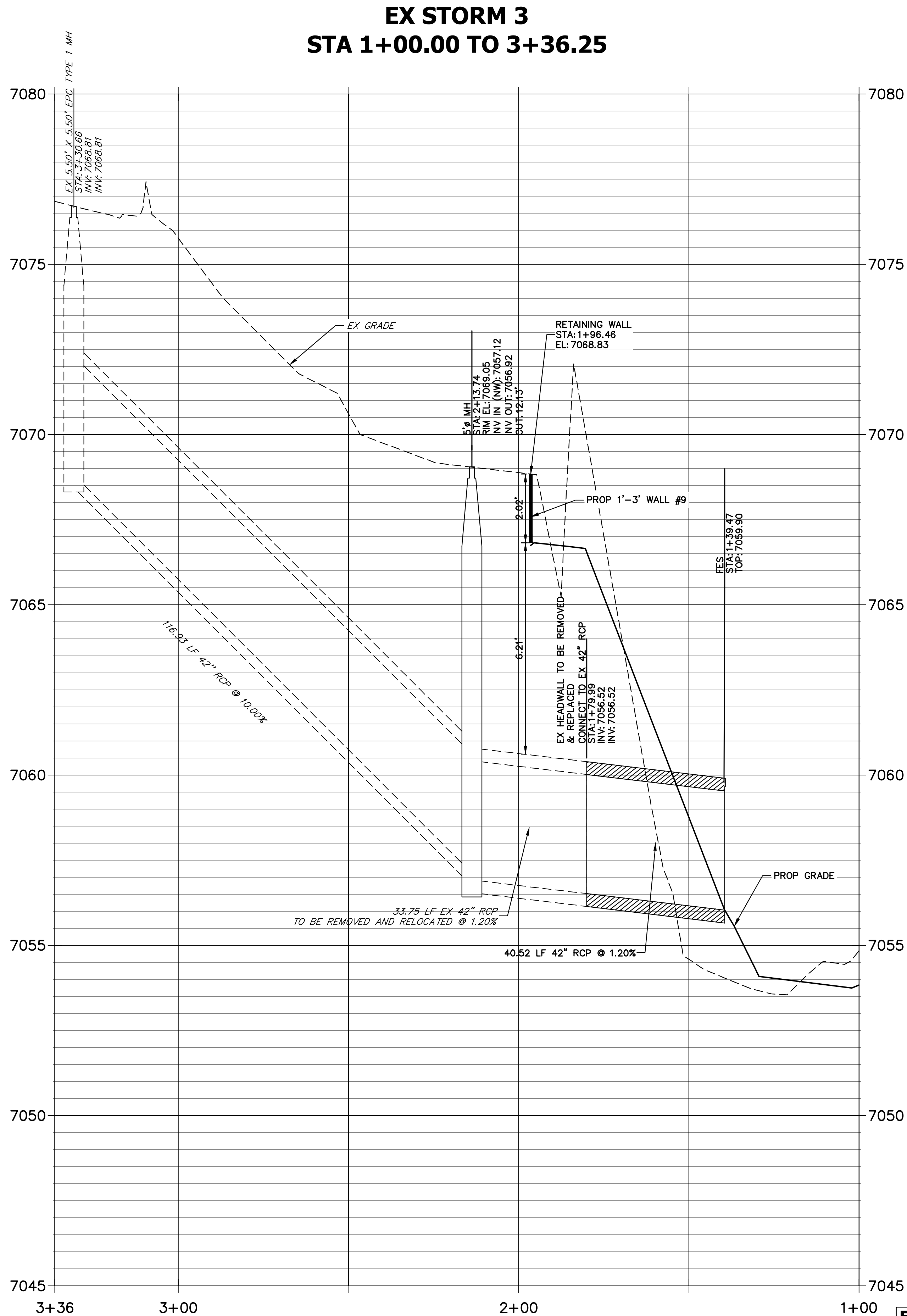
PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
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JAMES F. MORLEY
(719) 419-3024

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No.	REVISION	BY	DATE	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				1"=20'	1"=2'	7/18/23	DJV	NEO	



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

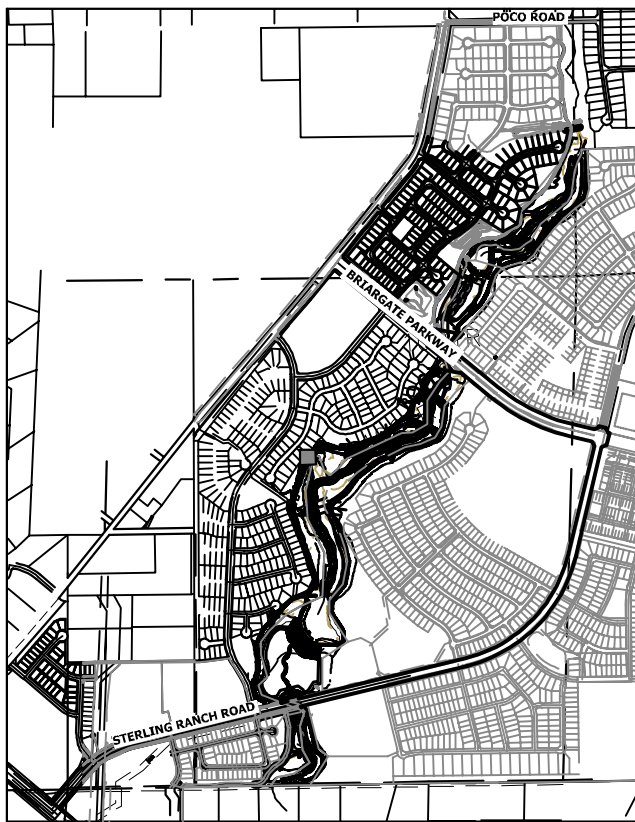
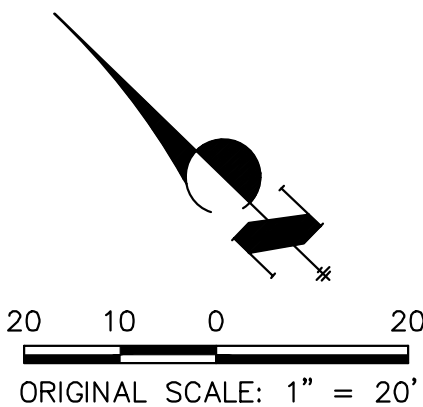


BENCHMARK

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

BASIS OF BEARINGS

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M., AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE 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.



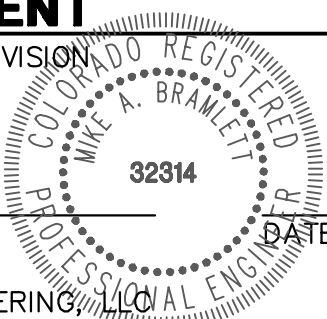
KEY MAP
SCALE: 1"=2000'

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.



SAND CREEK RESTORATION

STORM PLAN & PROFILE

SHEET 69 OF 121

JOB NO. 25188.04

BY DATE

No. REVISION

H-SCALE 1"=20'
V-SCALE 1"=2'
DATE 7/18/23
DESIGNED BY DJV
DRAWN BY NEO
CHECKED BY

PREPARED FOR

SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR

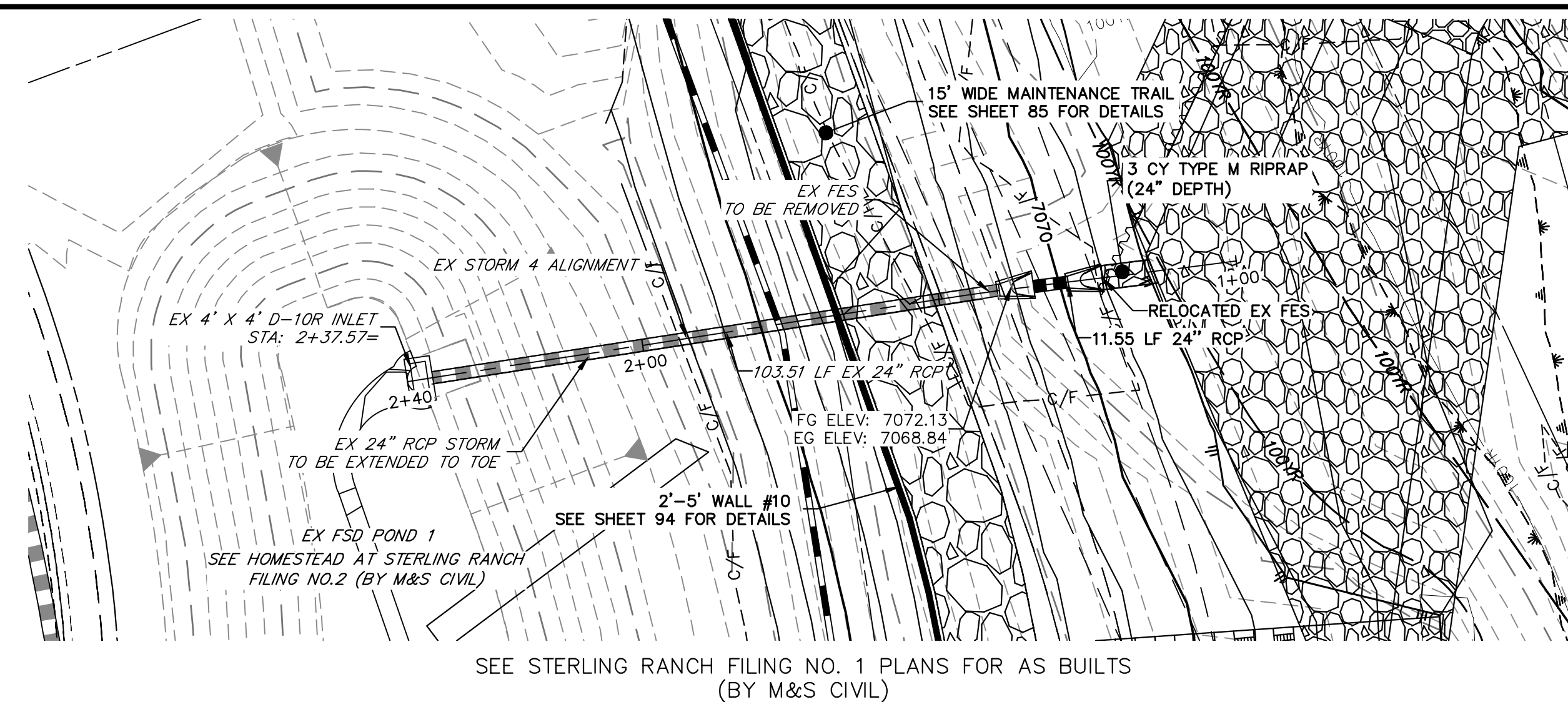
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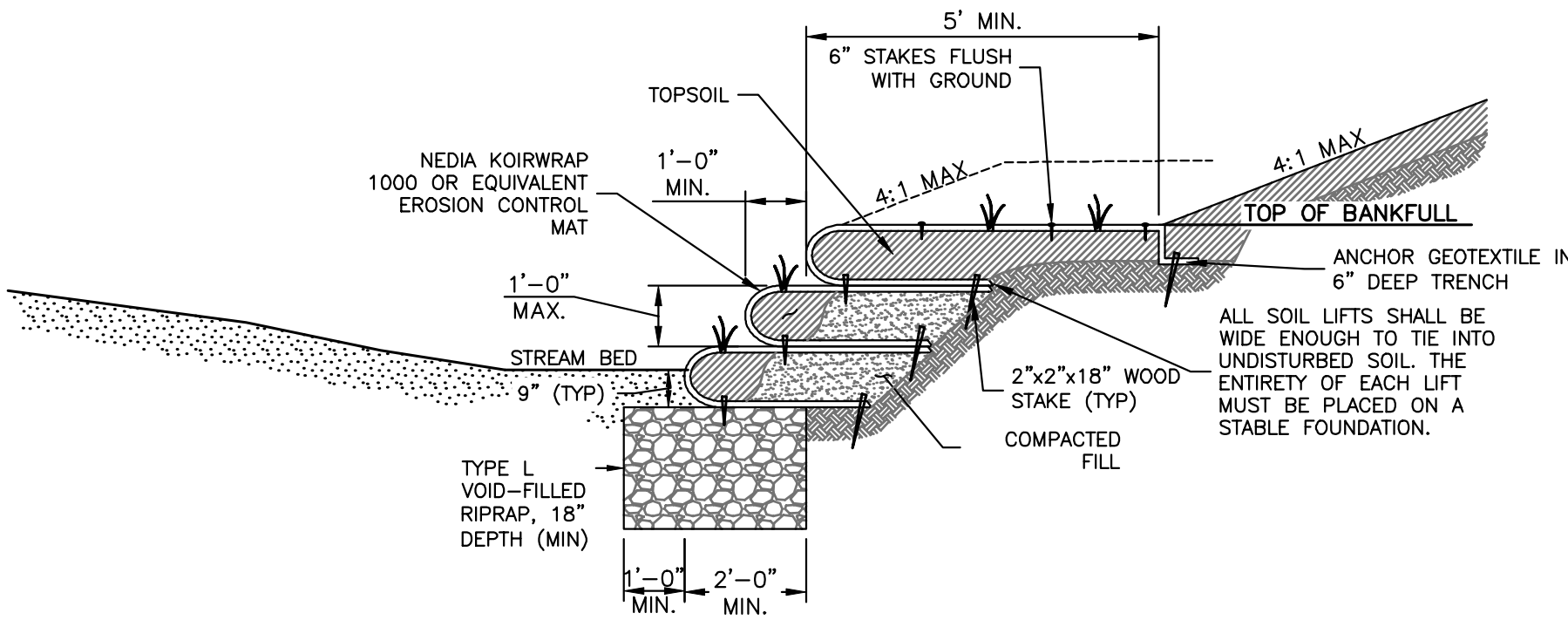


SOIL LIFT NOTES.

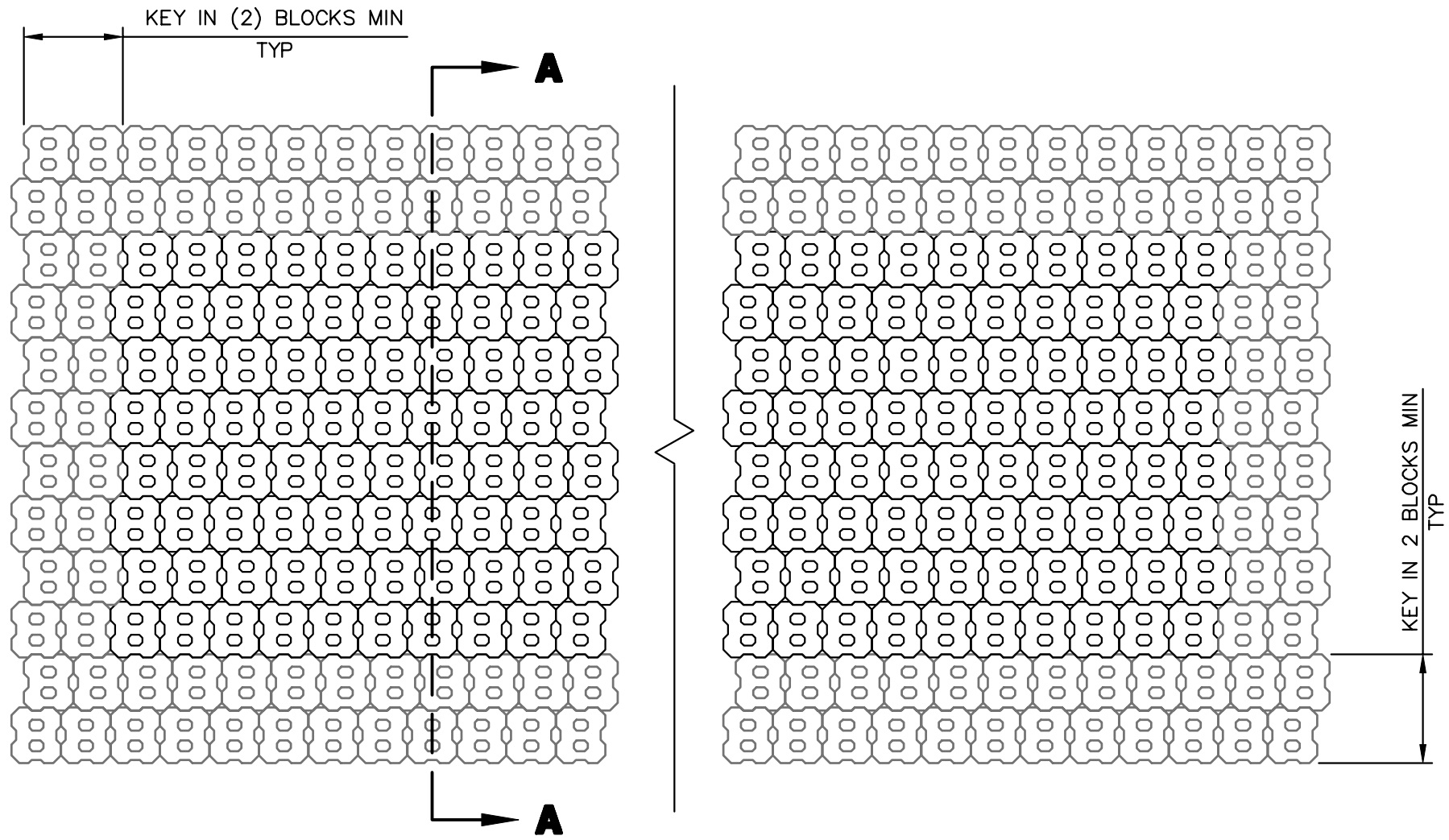
1. THE SOIL BACKFILL USED FOR LIFTS AND TOPSOIL USED FOR LAYERING WITH THE LIVE BRANCHES SHALL BE FREE OF ANY LARGE ROOTS OR DEBRIS AND SHALL GENERALLY BE FREE OF GRAVEL OR COBBLE MATERIAL.
2. SOIL BACKFILL SHALL BE COMPACTED WITHOUT DAMAGING THE UNDERLYING SOIL LIFT.
3. PLACE SOIL BACKFILL UP TO THE LIFT HEIGHT SPECIFIED, NO GREATER THAN 12", WITHOUT AFFECTING OR TEARING THE PREVIOUSLY PLACED LIFT AND COIR FABRIC.
4. THE COIR FABRIC SHALL BE PULLED AS TIGHT AS POSSIBLE WITHOUT TEARING OR DISTORTING THE FABRIC.
5. PLACE A LAYER OF TOPSOIL AND LIVE BRANCHES ON TOP OF EACH SOIL LIFT, EXPOSING 6"-12" OF EACH LIVE BRANCH AND 24"-48" OF THE BRANCH WILL BE COVERED BY THE FOLLOWING SOIL LIFT.
6. STAKE ALL EXPOSED SOIL LIFTS WITH LIVE STAKES SPACED @ 24" EACH WAY.
7. LIVE STAKES AND BRANCHES SHALL BE OF A SPECIES APPROVED BY THE ENGINEER. NO INVASIVE SPECIES SHALL BE PERMITTED.
8. THE COIR FABRIC ON THE UPPER-MOST LIFT SHALL BE SECURED WITH A 6" DEEP TRENCH AS SHOWN.
9. THE SURFACE OF THE SOIL LIFTS SHALL BE FINISHED TO A SMOOTH AND COMPACT SURFACE IN ACCORDANCE WITH THE CONTOURS AND ELEVATIONS IN THE PLANS.
10. RE-DRESSING OF THE CHANNEL AND BANKFULL STREAM BED MAY BE REQUIRED POST-INSTALLATION AND IS INCIDENTAL TO CONSTRUCTION.

RECOMMENDED SOIL LIFT PROCEDURE:

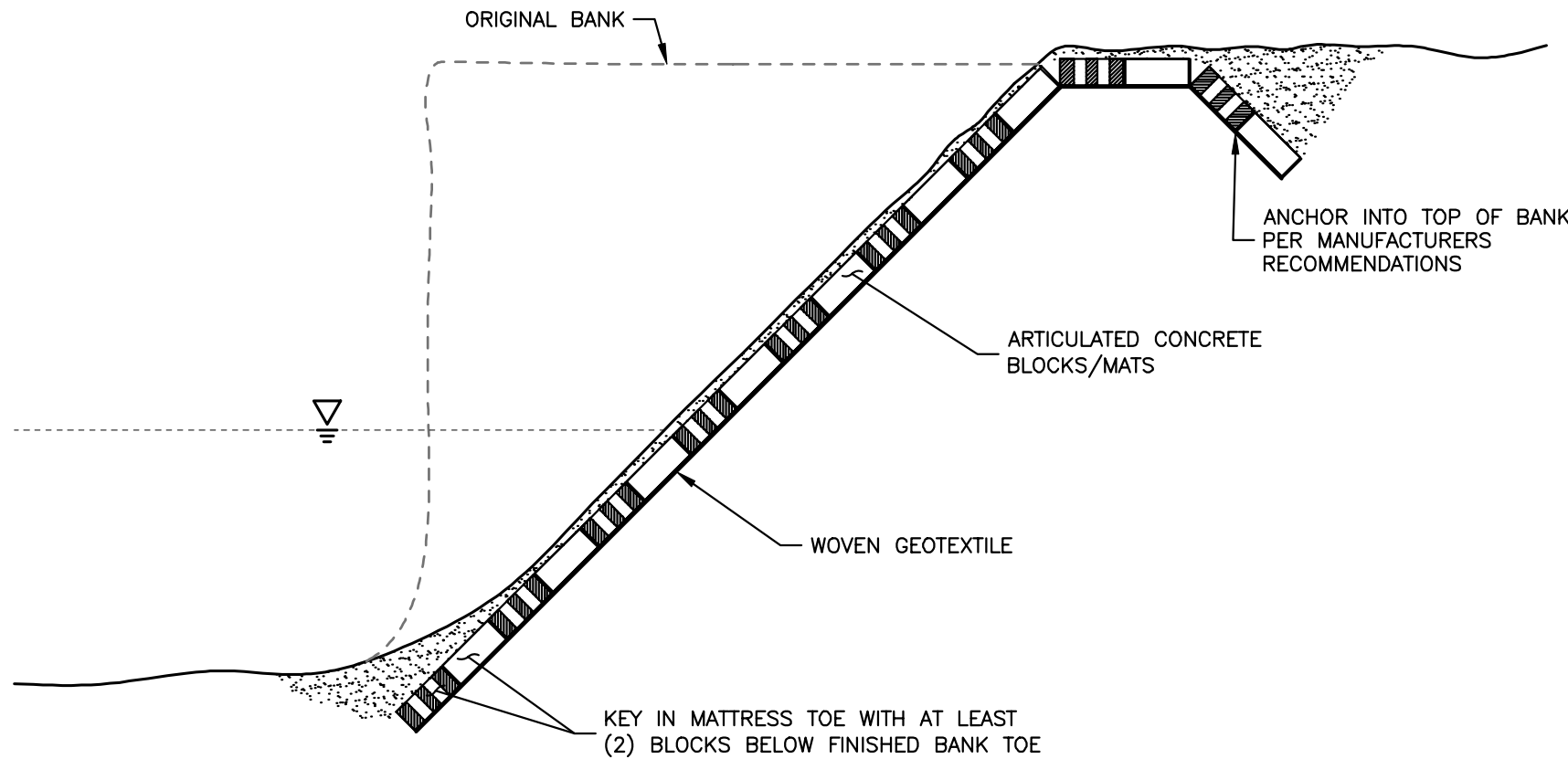
1. PLACE A LAYER OF 6.5-FOOT WIDE COIR BLANKET ON TOP OF THE TOPSOIL AND LIVE BRANCHES ALLOWING 2.5 FEET OF THE BLANKET TO BE BURIED BELOW THE NEXT SOIL LIFT. ALLOW ROUGHLY 4.0 FEET TO HANG FREELY OVER THE PRECEDING LIFTS.
2. PLACE A LAYER OF NON-WOVEN COIR MATTING OVER THE SAME LIMITS.
3. ADD SOIL AND COMPACT, USING A PIECE OF 2x6 LUMBER PLACED AS A BACKSTOP AND SECURED WITH WOODEN STAKES.
4. PLACE BACKFILL TO THE LIFT HEIGHT SPECIFIED.
5. TOP DRESS THE SOIL LIFT WITH TOPSOIL, FROM THE FACE OF THE LIFT BACK 4.0 FEET MINIMUM.
6. REMOVE THE SAWN LUMBER BACKSTOP AND STAKES AND WRAP THE FACE OF THE SOIL LIFT WITH THE FEE-HANGING COIR AND NON-WOVEN MATTING.
7. PULL THE COIR AND MATTING AS TIGHT AS POSSIBLE TO FORM THE FACE OF THE LIFT.
8. SECURE THE COIR AND MATTING IN PLACE BY STAKING THE END OF THE FABRICS WITH WOODEN STAKES AT 18" ON CENTER EACH WAY FLUSH WITH THE COIR.
9. BEGIN CONSTRUCTION OF THE NEXT LIFT REPEATING FROM STEP 1.



SOIL LIFT TYPICAL SECTION
NTS



PLAN
NTS



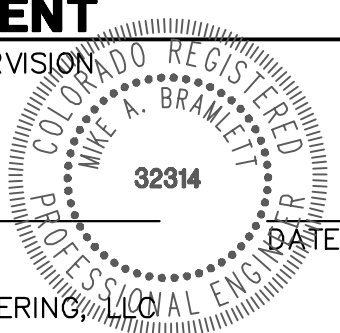
SECTION A-A
NTS

ARTICULATED CONCRETE BLOCK MATS

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

CONSTRUCTION DETAILS

SHEET 71 OF 121

JOB NO. 25188.04

BY	DATE	REVISION	NA	NA	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
					7/18/23	DJV	DJV	

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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7000

6995

6990

6985

6980

EX GRADE CHANNEL

STA: 0+05.00
EL: 6989.71

STA: 0+06.25
EL: 6989.53

STA: 0+30.19
EL: 6990.15

STA: 0+37.48
EL: 6990.50

STA: -0+24.35
EL: 6989.85

6.00'

DRIVE TO BEDROCK OR 6' MINIMUM
PZ-27 SHEETPILE
CUTOFF WALL

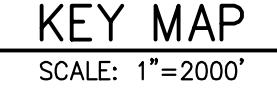
-0+45

0+00

0+50

[illegible]

The diagram is a cross-section of a bridge structure. The vertical axis represents elevation in feet, ranging from 7025 to 7055. The horizontal axis represents stationing, with labels at -0+42, 0+00, and 0+42. A dashed line represents the 'EX GRADE' and 'CHANNEL' profile. A solid line represents the 'PROP GRADE' and 'CHANNEL' profile. A hatched area indicates the bridge structure, with a vertical dimension of 8.55' shown. A point on the structure is labeled 'PZ-27 SHEETPILE CUTOFF WALL'. Stationing and elevation data points are provided for various locations: STA: -0+23.75 (EL: 7039.86), STA: -0+06.46 (EL: 7039.33), STA: 0+00.00 (EL: 7038.47), STA: 0+03.78 (EL: 7039.32), STA: 0+08.34 (EL: 7039.78), and STA: 0+35.51 (EL: 7040.30).



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20 BOULDER CRESS
2ND FLOOR
COLORADO SPRINGS, CO
JAMES F. MORLE
(719) 419-3024

[illegible]

The diagram is a cross-section of a bridge structure. The vertical axis represents elevation in feet, ranging from 7040 to 7070. The horizontal axis represents stationing, with labels at -0+56, 0+00, and 0+56. A dashed line represents the 'EX GRADE' (existing ground) and another dashed line represents the 'PROP GRADE' (proposed ground). The bridge structure is shown with a hatched pattern. Key points on the structure are labeled with stationing and elevation data:

- STA: -0+08.34, EL: 7048.77
- STA: -0+17.41, EL: 7048.79
- STA: -0+21.64, EL: 7049.77
- STA: -0+29.96, EL: 7049.77
- STA: 0+00.00, EL: 7047.63
- STA: 0+03.86, EL: 7048.48
- STA: 0+08.50, EL: 7048.77
- STA: 0+45.70, EL: 7049.65
- STA: 0+50.35, EL: 7050.70

Additional labels include 'EX GRADE' and 'PROP GRADE' with arrows pointing to their respective dashed lines. A vertical dimension of 6.50 is indicated on the left side of the structure. At the bottom, a note reads: 'DRIVE TO BEDROCK OR 6' MINIMUM PZ-27 SHEETPILE CUTOFF WALL'. A small circle with a dot is located near the center of the structure, at approximately station 0+00 and elevation 7044.5.

Diagram illustrating the cross-section of a proposed channel and existing ground profile. The vertical axis shows elevation (EL) from 7045 to 7075. The horizontal axis shows stationing (STA) from -0+60 to 0+60.

Key features and data points:

- EX GRADE @ CHANNEL @**: Existing ground profile (dashed line).
- PROPOSED GRADE @ CHANNEL @**: Proposed channel profile (solid line).
- Channel Depth**: 6'00" (indicated by a vertical dimension line).
- Channel Bottom**: 6' MINIMUM DRIVE TO BEDROCK OR PZ-27 SHEETPILE CUTOFF WALL.
- Stationing and Elevation Data**:

Station (STA)	Elevation (EL)
-0+33.96	7055.95
-0+26.59	7054.87
-0+08.40	7055.11
-0+06.42	7054.78
-0+03.80	7054.78
0+00.00	7053.92
0+03.79	7054.77
0+06.40	7054.78
0+08.43	7055.11
0+39.26	7055.42
0+44.30	7056.47
0+49.55	7056.55

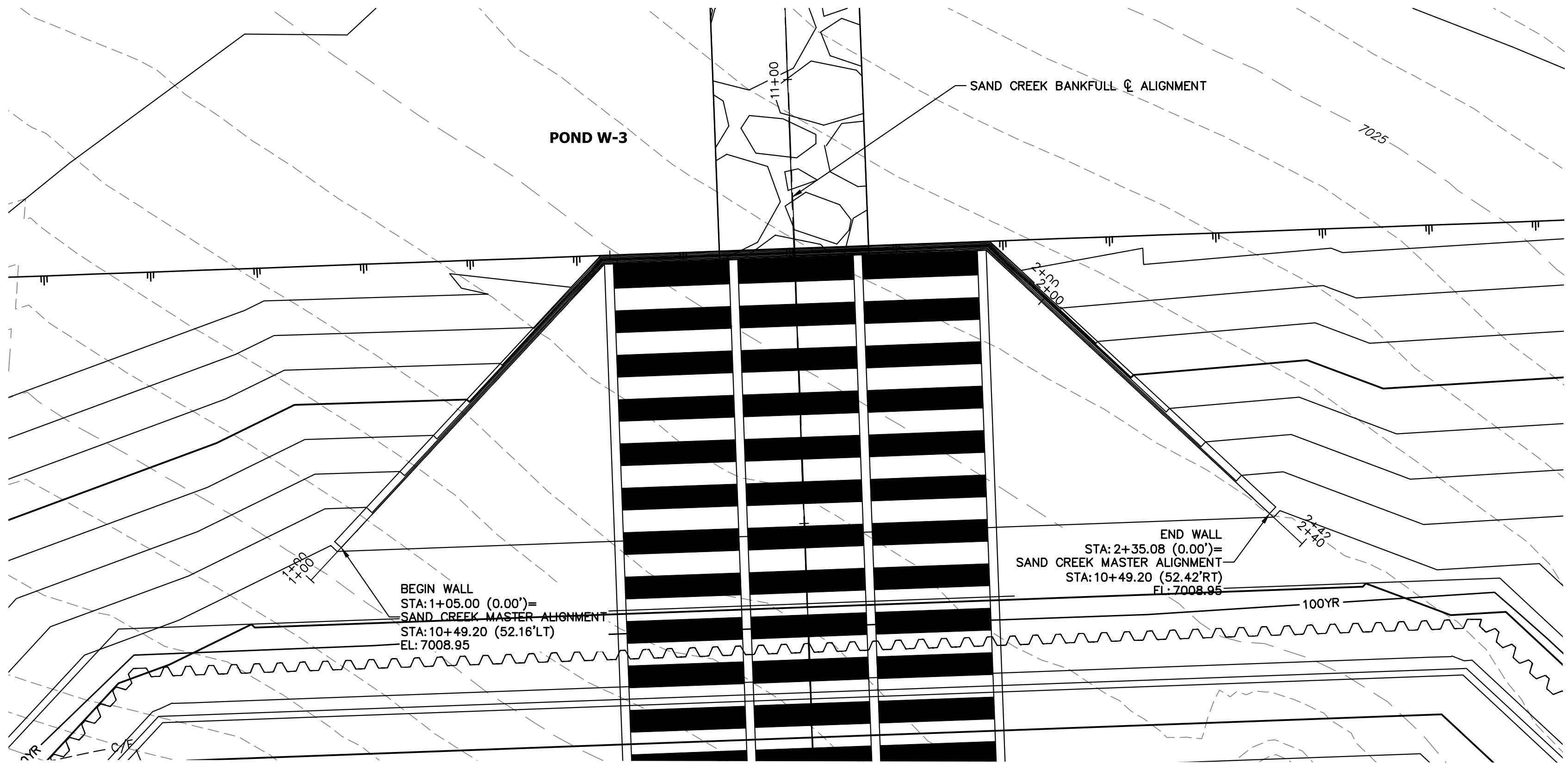
The diagram is a cross-section of a bridge structure. The vertical axis represents elevation in feet, ranging from 7060 to 7100. The horizontal axis represents stationing, with markers at -0+45, 0+00, and 0+45. A dashed line represents the 'EX GRADE' profile. A solid line represents the 'PROP GRADE' profile. The area between the two profiles is hatched. A vertical dimension of 8.12' is indicated between the two profiles at station -0+36.72. A point on the 'PROP GRADE' profile is marked with a black dot and labeled 'CHANNEL C'. A note at the bottom right states 'DRIVE TO BEDROCK OR 6' MINIMUM PZ-27 SHEETPILE CUTOFF WALL'. Stationing and elevation data points are provided for several locations:

- STA: -0+36.72, EL: 7073.59
- STA: -0+31.63, EL: 7072.57
- STA: 0+00.00, EL: 7070.98
- STA: 0+10.15, EL: 7072.36
- STA: 0+27.08, EL: 7072.47
- STA: 0+31.17, EL: 7073.48
- STA: 0+33.87, EL: 7073.54

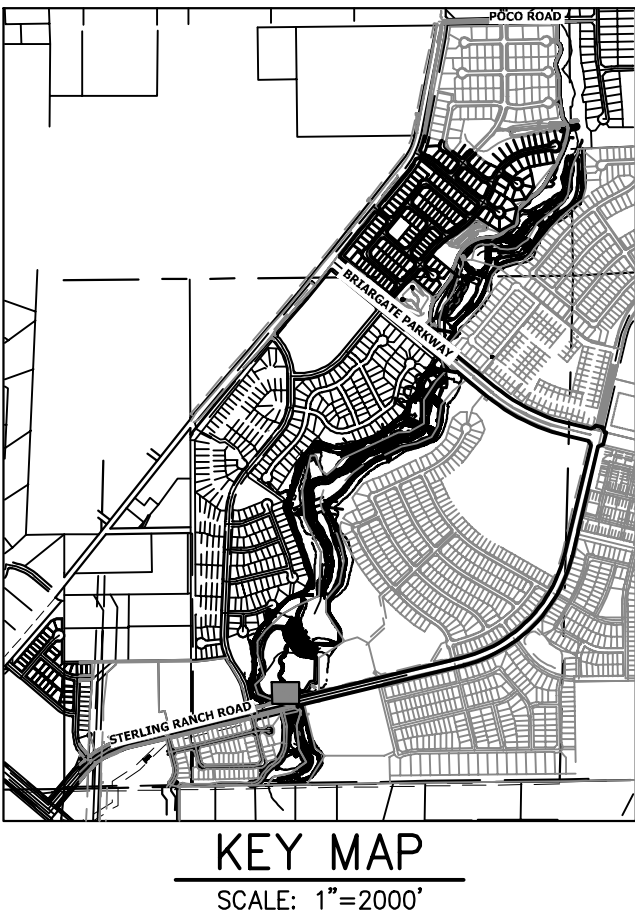
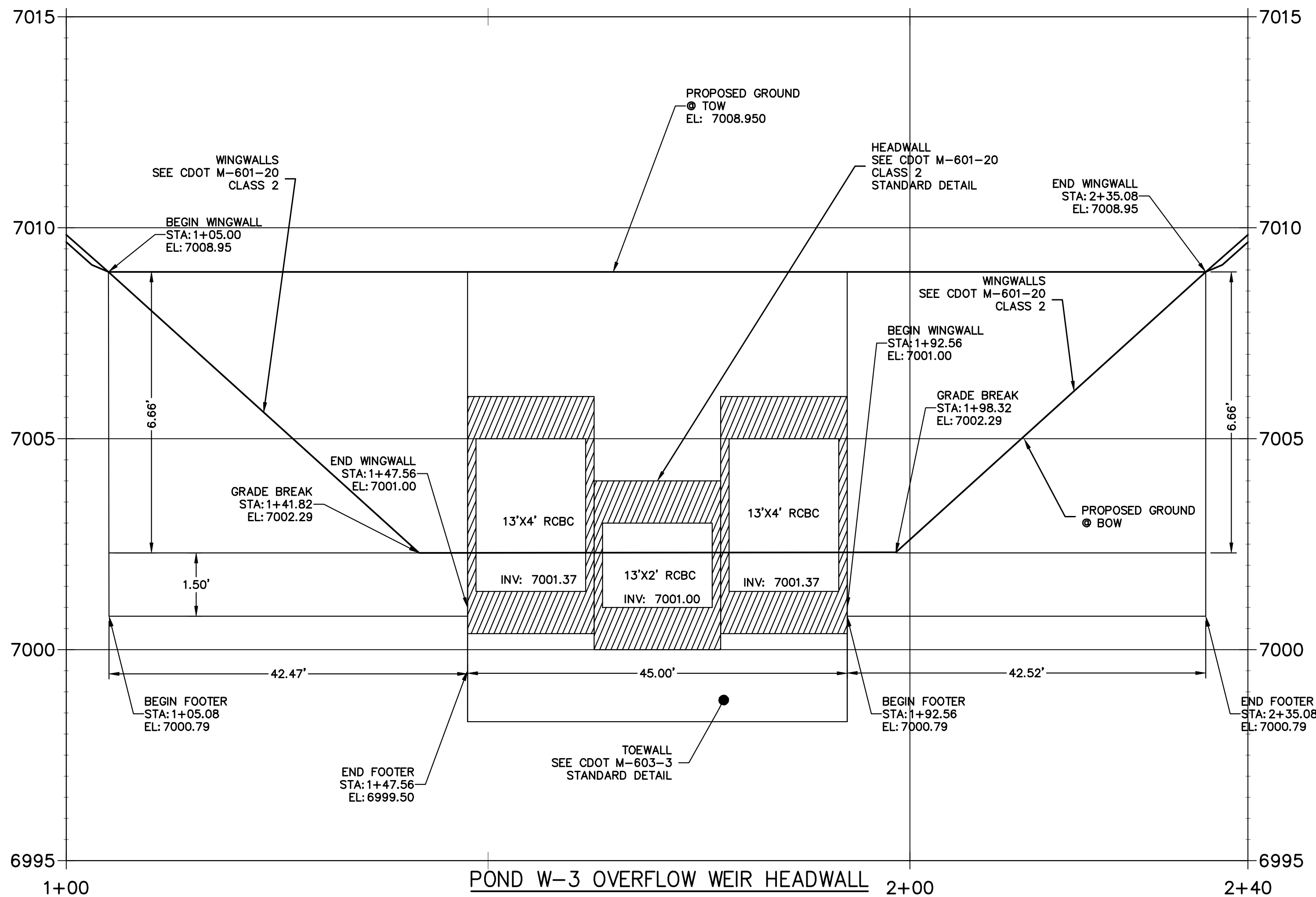


MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING,

DB NO. 25188.04



HW TOW PROFILE
STA 1+00.00 TO 2+40.08



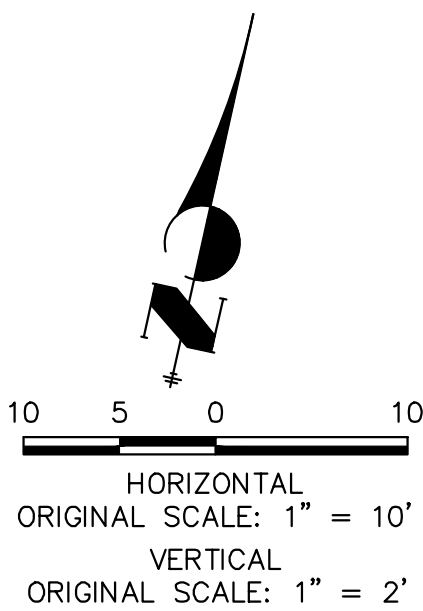
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SR LAND, LLC
20 BOULDER CRESCENT
2ND FLOOR
COLORADO SPRINGS, CO 80903
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BY	DATE	REVISION	No.	VARIABLES	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				1"=2'			7/18/23	DV	NEO	

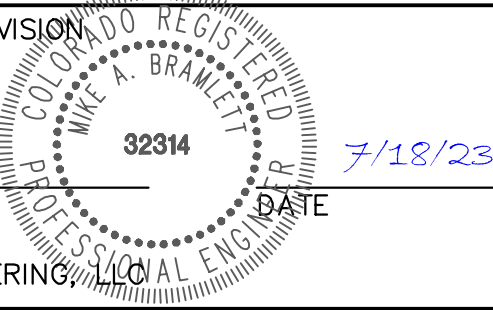
SAND CREEK RESTORATION	STRUCTURAL DETAILS
SHEET 73	OF 121
JOB NO.	25188.04



ENGINEER'S STATEMENT

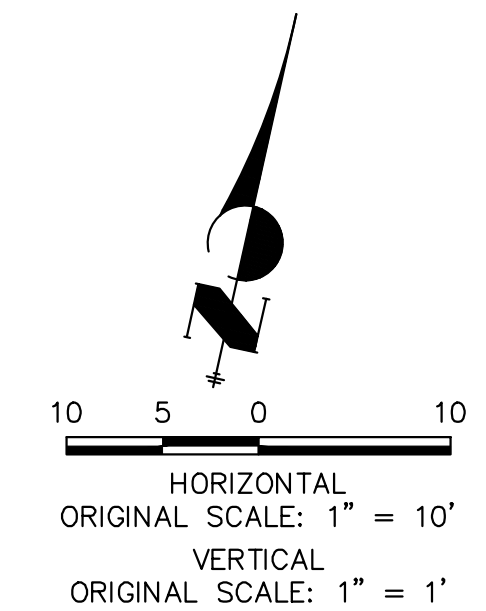
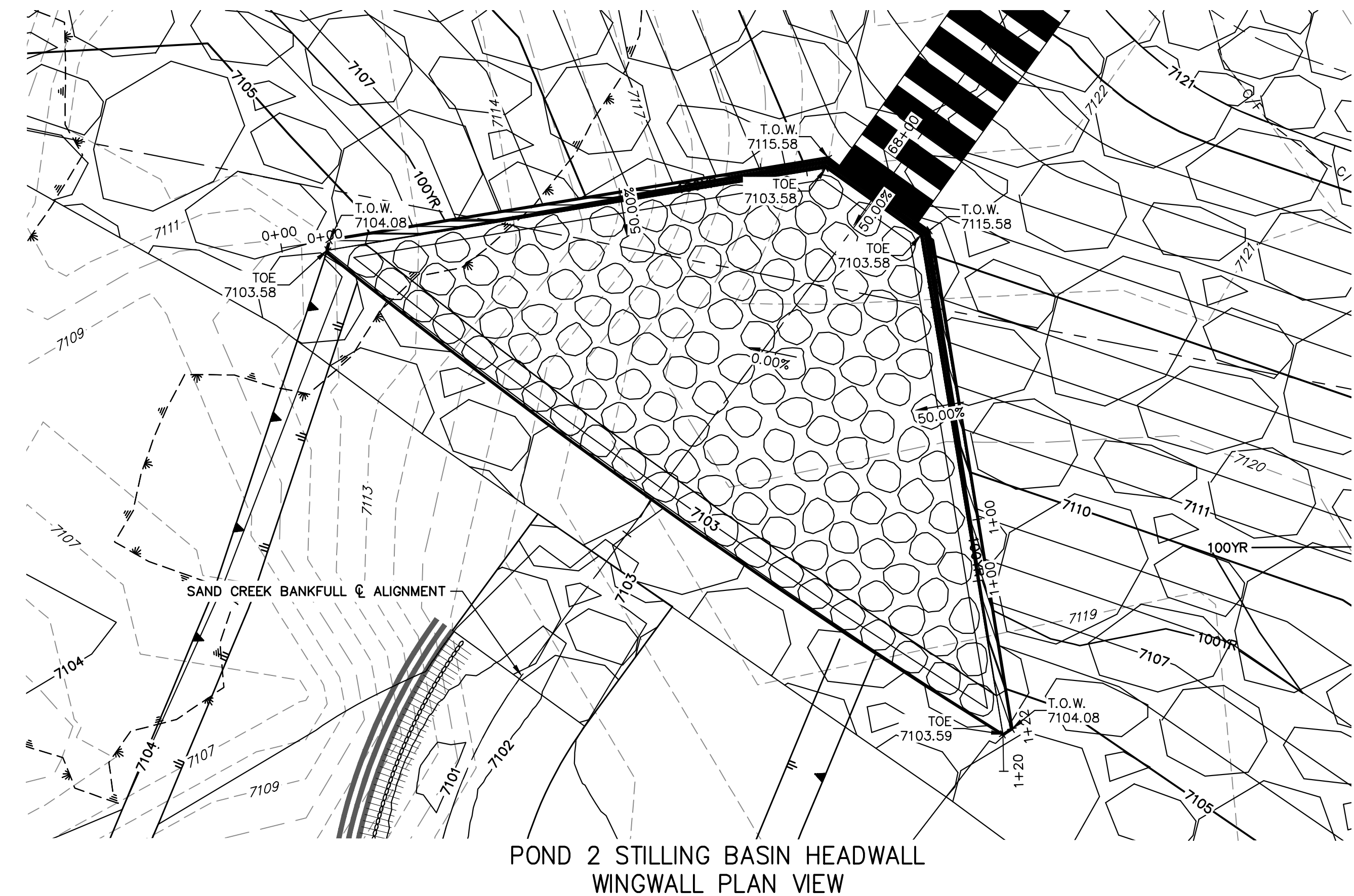
PREPARED UNDER MY DIRECT SUPERVISION

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



Technical drawing of a bridge structure, showing a cross-section with dimensions and elevations. The drawing includes a central pier and two abutments, with a proposed headwall and existing grade lines. Key dimensions and elevations are provided:

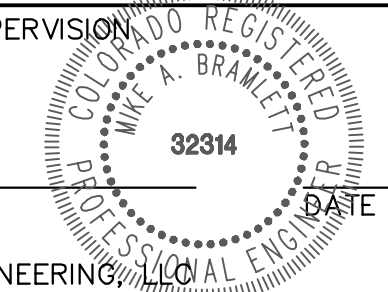
- Dimensions:**
 - 52'-0" (Total width of the bridge deck)
 - 12'-10" (Width of the central pier)
 - 52'-0" (Total width of the bridge deck)
 - 16'-0" (Width of the central pier)
 - 4'-6" (Width of the bridge deck)
 - 3'-0" (Width of the bridge deck)
- Elevations:**
 - T.O.W. STA: 0+05.00 EL: 7104.08
 - T.O.W. STA: 0+69.83 EL: 7115.58
 - T.O.W. STA: 1+21.86 EL: 7104.11
 - B.O.W. STA: 0+05.00 EL: 7099.58
 - B.O.W. STA: 1+21.83 EL: 7099.58
 - 10'x10' RCBS INV: 7103.58
- Structural Details:**
 - PROPOSED HEADWALL PER CDOT M-601-2
 - SEE THIS SHEET FOR HANDRAIL DETAIL
 - EXISTING GRADE
 - FINISHED GRADE
 - CULVERT TOEWALL PER CDOT M&S STANDARDS M-601-2
 - CULVERT TOEWALL PER CDOT M&S STANDARDS M-601-2



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COLORADO P.E. 32314
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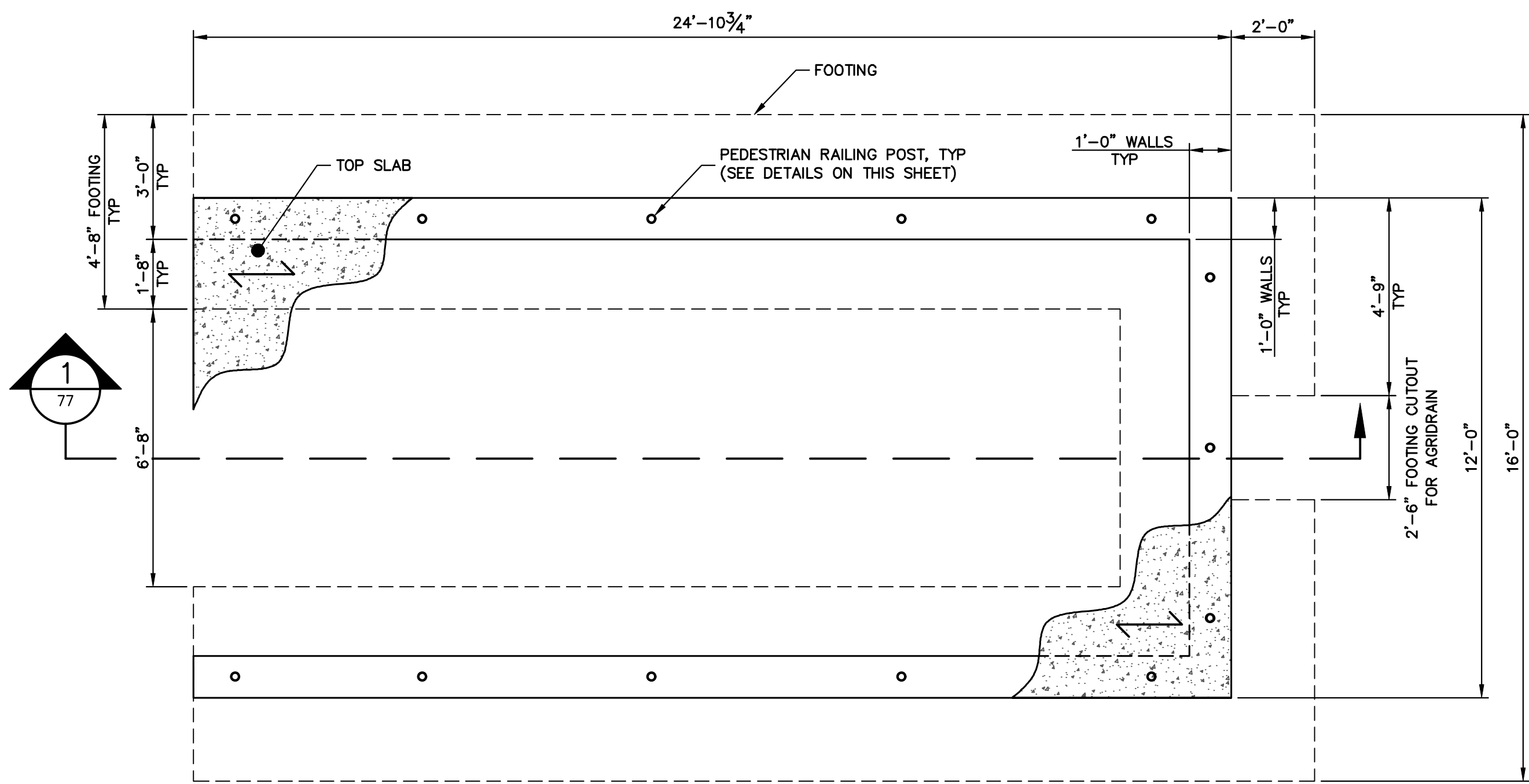


JOB NO. 25188.04

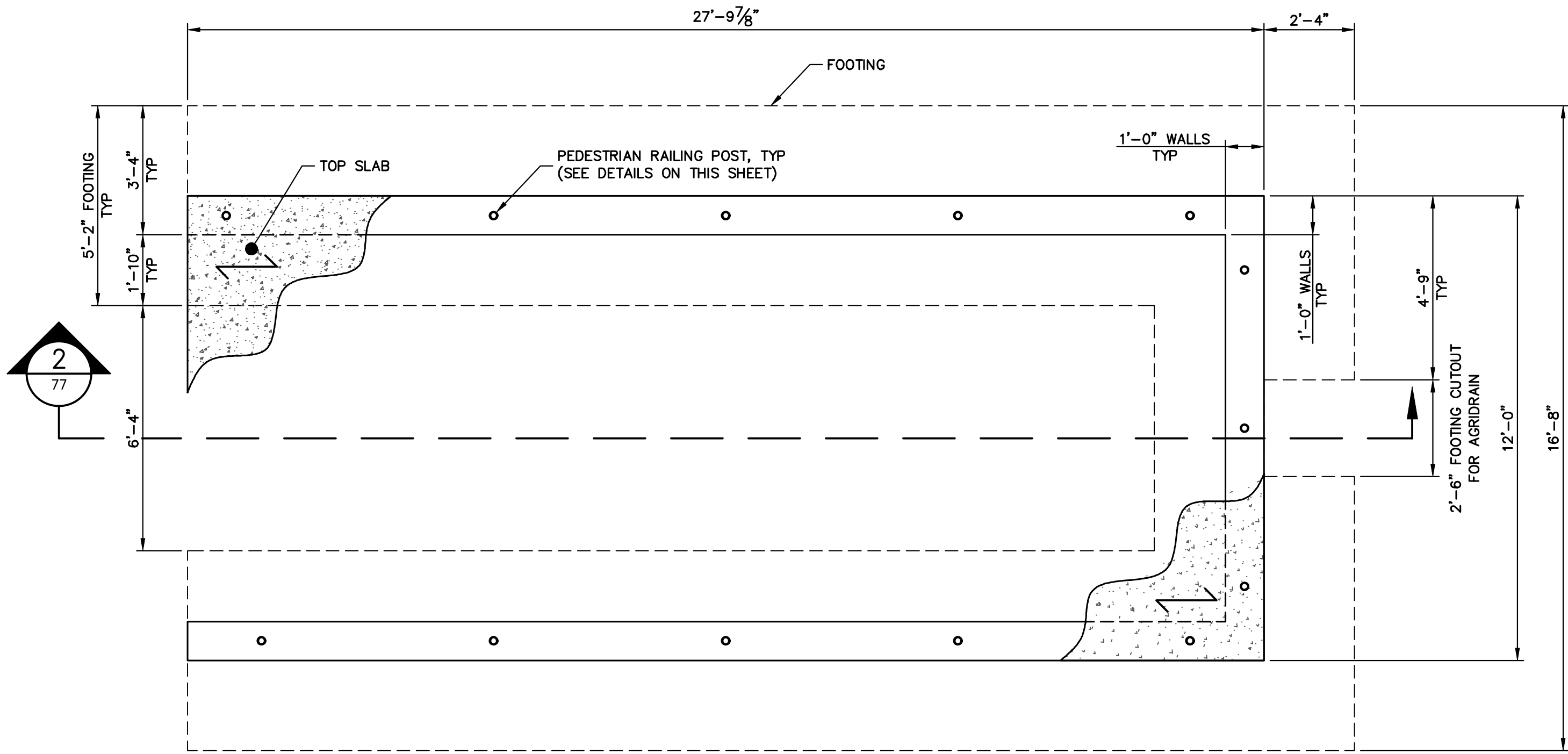
1000

J·R ENGINEERING

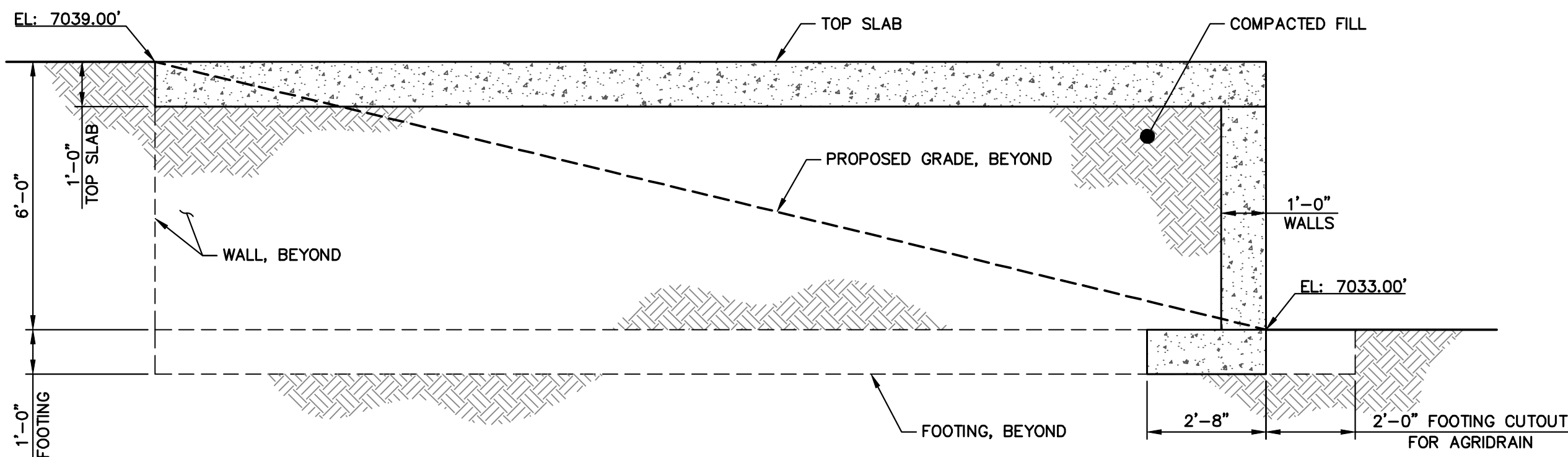
Centennial 303-740-9393 • Colorado Springs 719-593-2593
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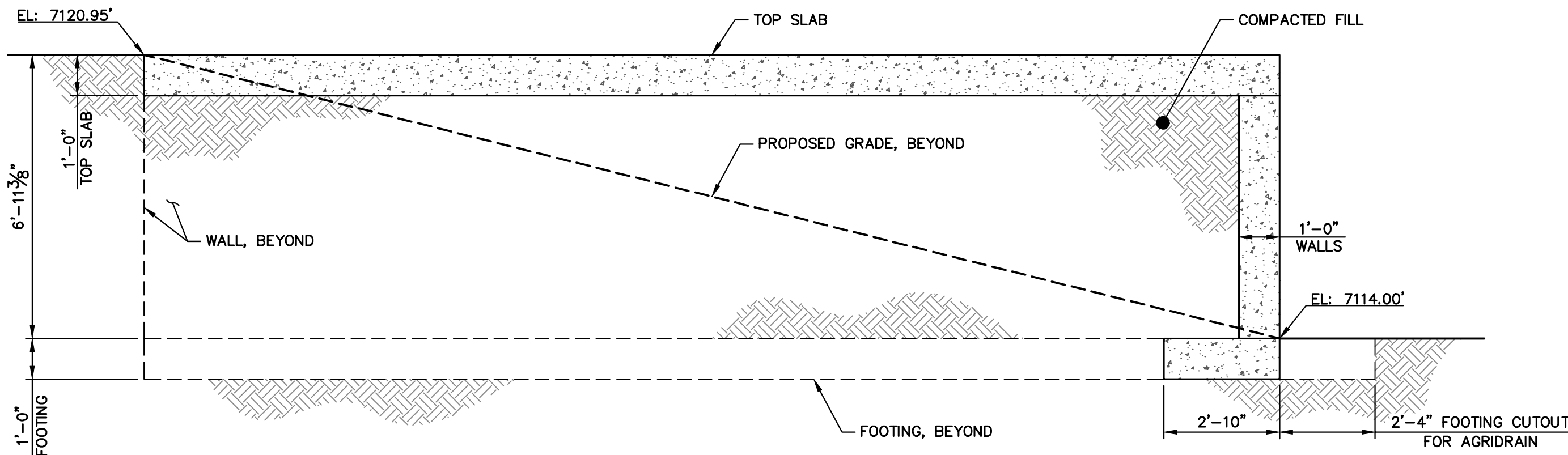
POND 1 CONCRETE PAD PLAN
SCALE: 3/8"=1'-0"



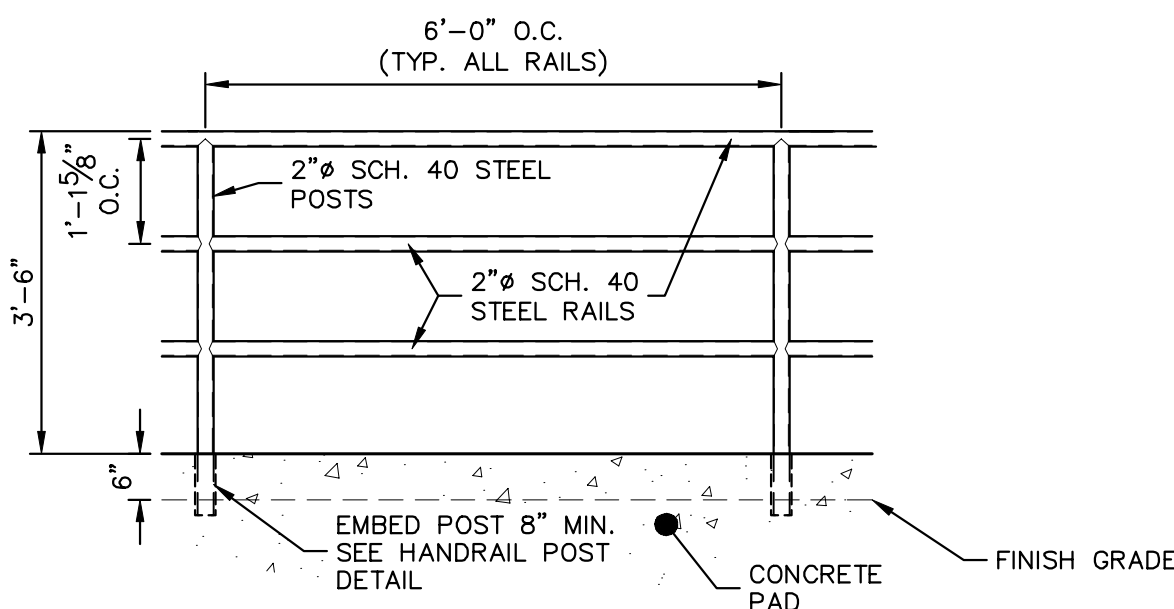
POND 2 CONCRETE PAD PLAN
SCALE: 3/8"=1'-0"



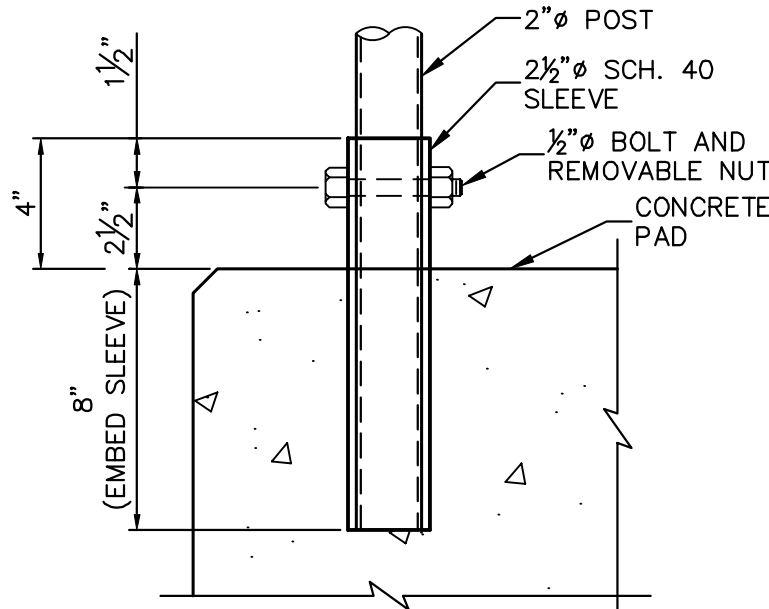
1 POND 1 CONCRETE PAD SECTION
SCALE: 3/8"=1'-0"



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



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



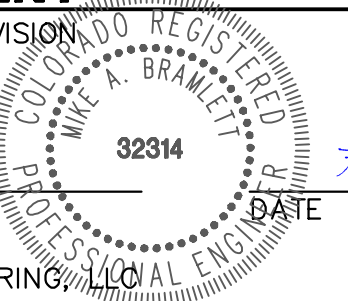
PEDESTRIAN RAILING POST
SCALE: NTS



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



SAND CREEK RESTORATION	SHEET 77	OF 121
STRUCTURAL DETAILS	JOB NO.	25188.04

VARIES	H-SCALE	VARIES	No.	REVISION	BY	DATE
VARIES	V-SCALE	VARIES				
	DATE	7/18/23				
	DESIGNED BY	R. C. B.				
	DRAWN BY	R. C. B.				
	CHECKED BY					



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



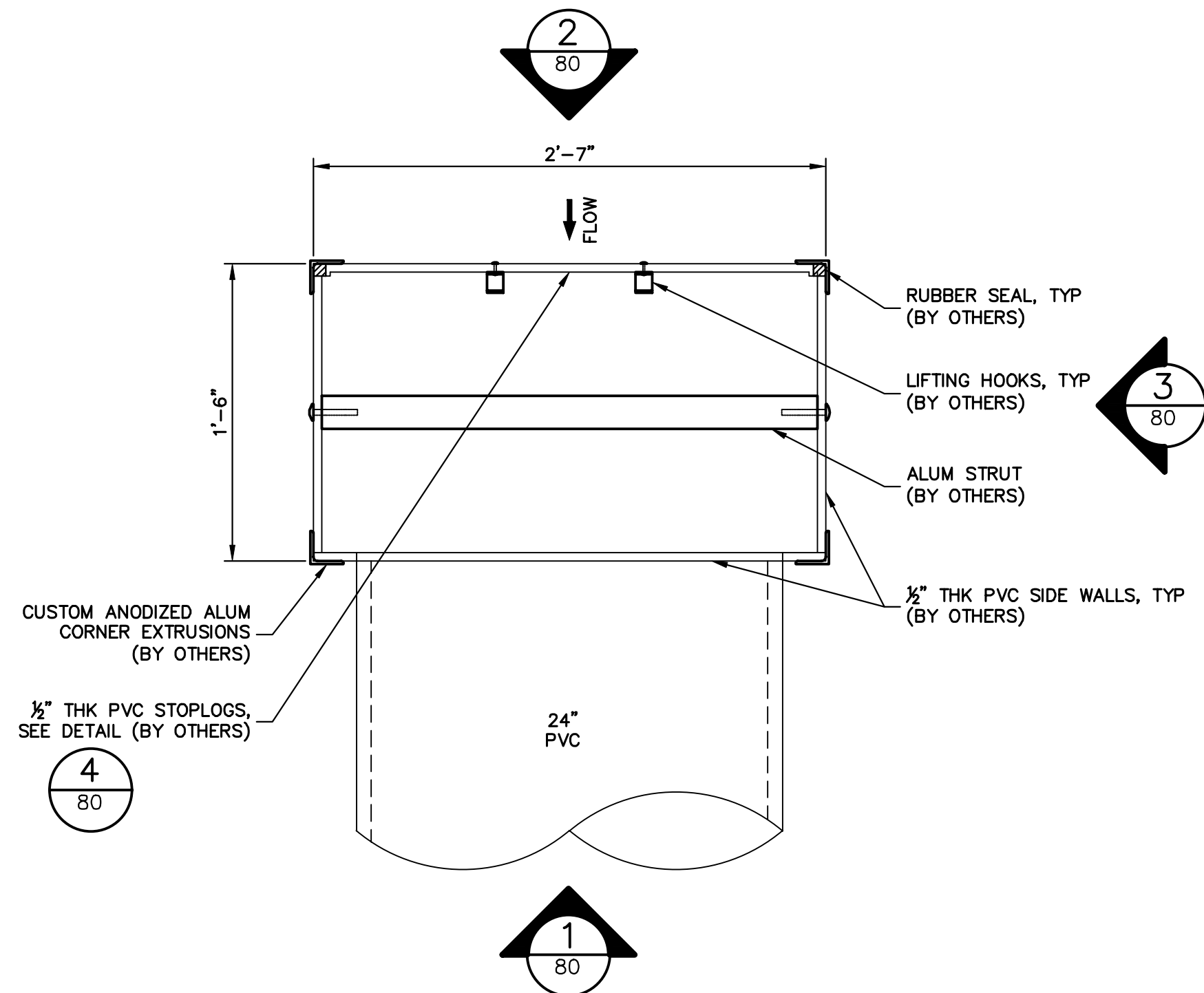
SAND CREEK RESTORATION	AGRIDRAIN DETAILS	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
		VARIES	1"=4'	7/18/23	DV	NEO	
		No.	REVISION	BY	DATE		

SHEET 79 OF 121
JOB NO. 25188.04

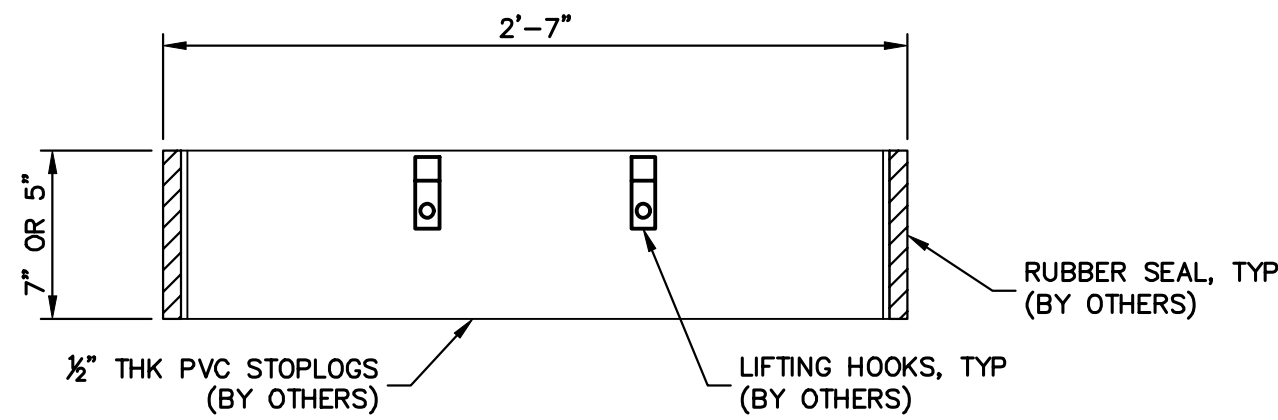
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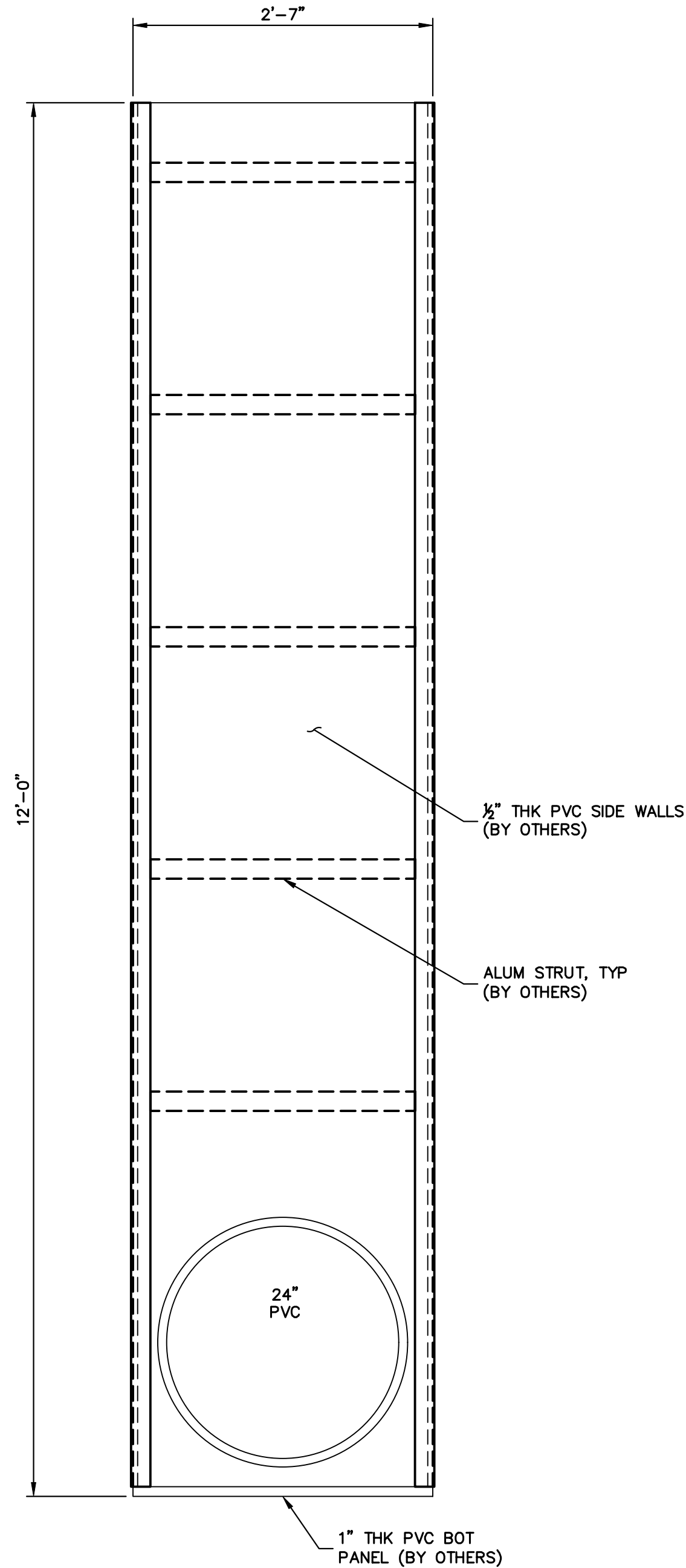
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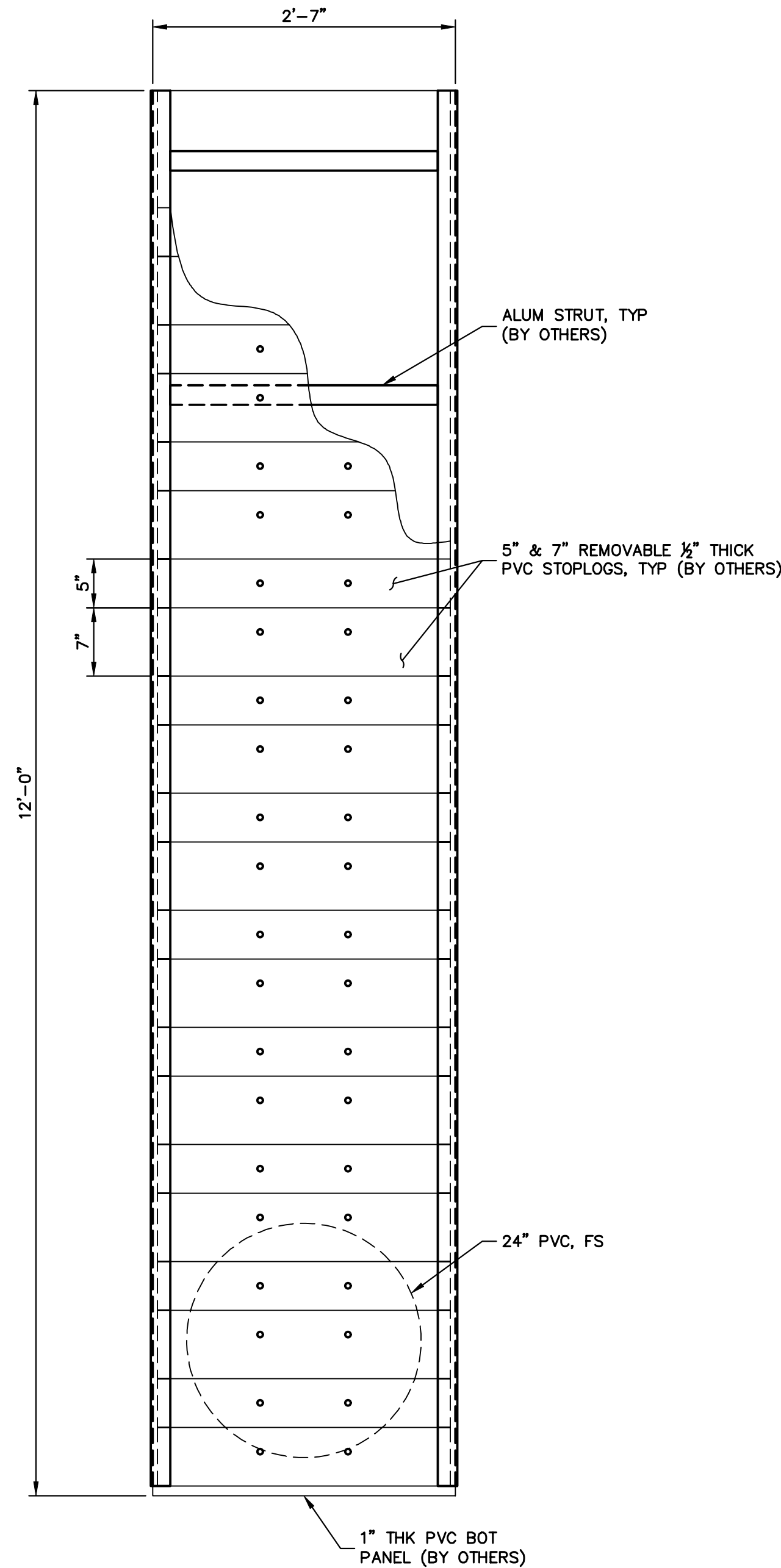
TYPICAL AGRIDRAIN PLAN
SCALE: 1-1/2" = 1'



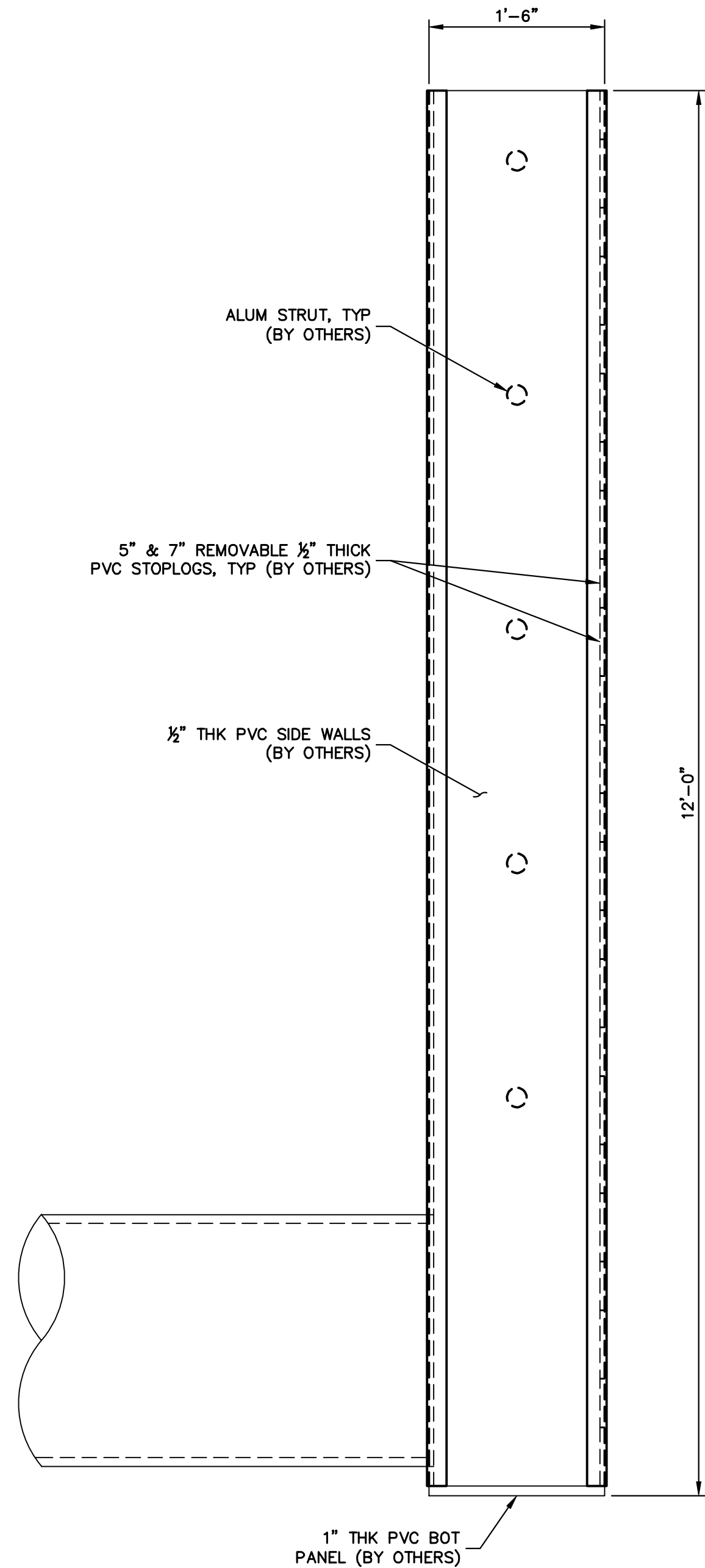
4 TYPICAL STOPLOG DETAIL
SCALE: 1-1/2" = 1'



1 ELEVATION
SCALE: 1" = 1'



2 ELEVATION
SCALE: 1" = 1'



3 ELEVATION
SCALE: 1" = 1'

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

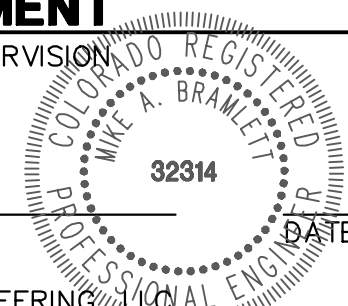


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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

FOR AND ON BEHALF OF JR ENGINEERING



SAND CREEK RESTORATION

AGRIDRAIN DETAILS

SHEET 80 OF 121

JOB NO. 25188.04

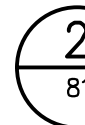
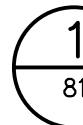
NO.	REVISION	BY	DATE

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY

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2ND FLOOR
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
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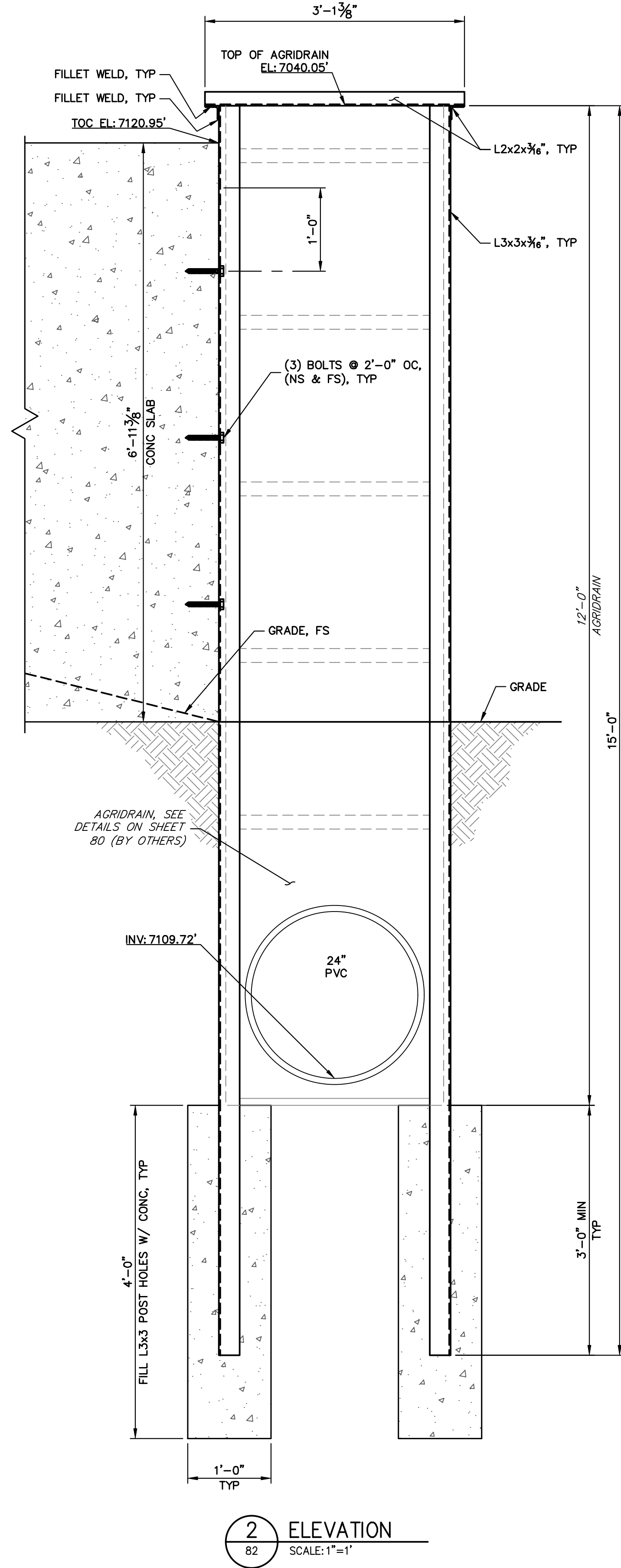
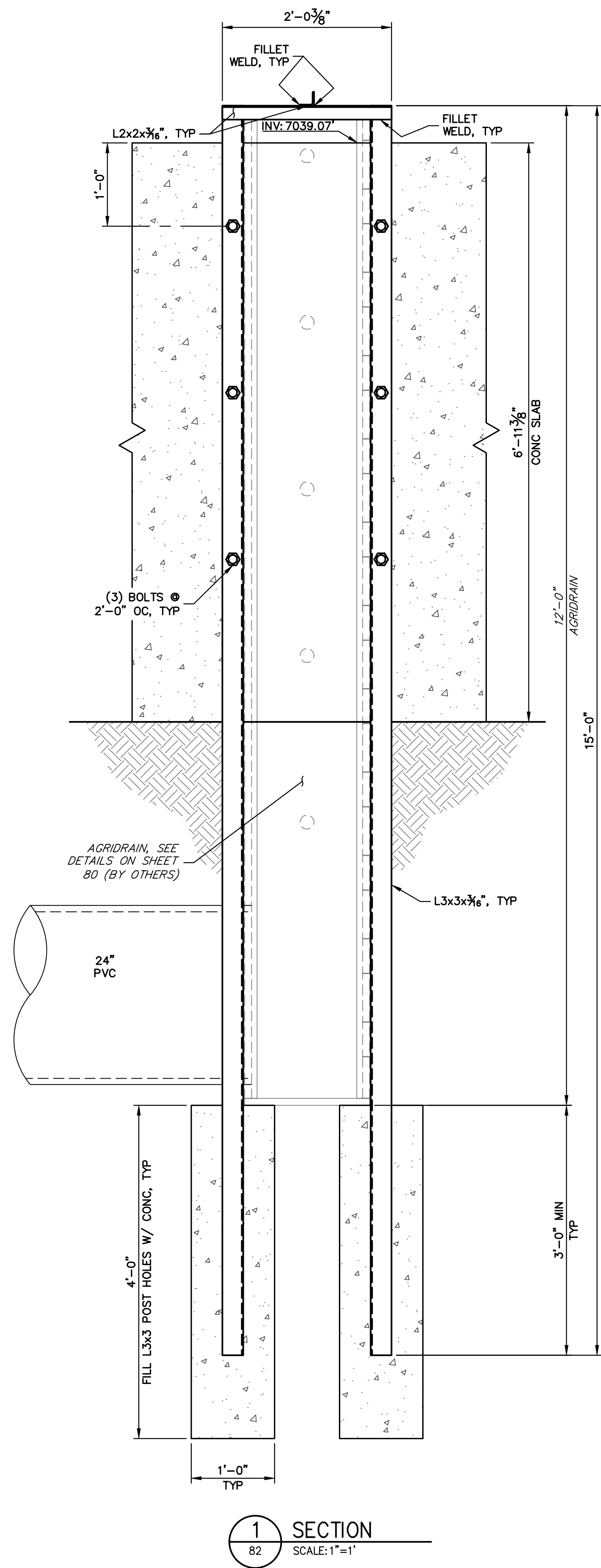
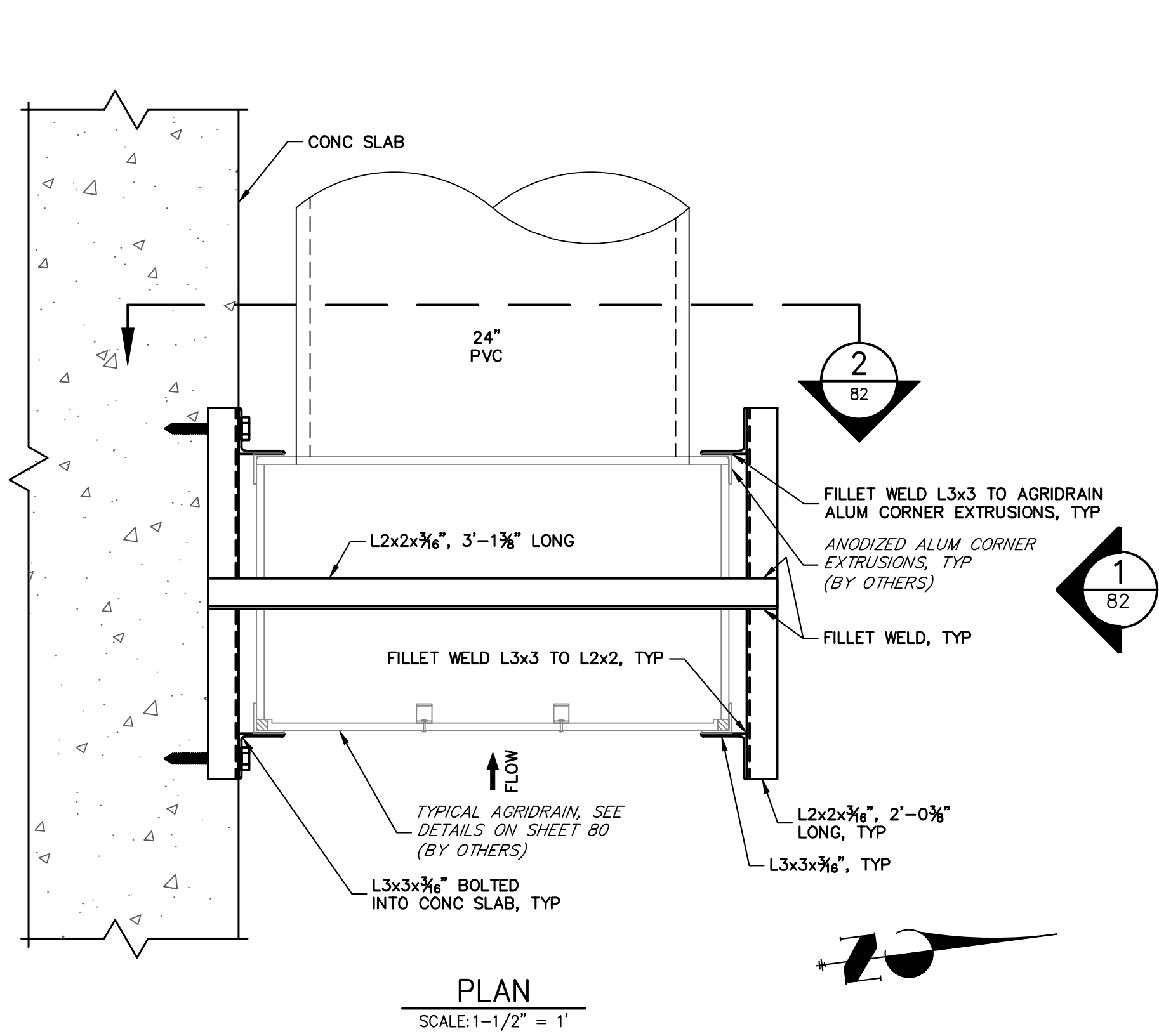
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STATE OF COLORADO REGISTERED PROFESSIONAL ENGINEER
MIKE A. BRANLETT
32314
DATE

SHEET 81 OF 121		SAND CREEK RESTORATION		H-SCALE		VARIES		No.		REVISION		BY		DATE	
JOB NO. 25188.0		AGRIDRAIN DETAILS		V-SCALE		VARIES									
				DATE		7/18/23									
				DESIGNED BY		R.C.B.									
				DRAWN BY		R.C.B.									
				CHECKED BY											



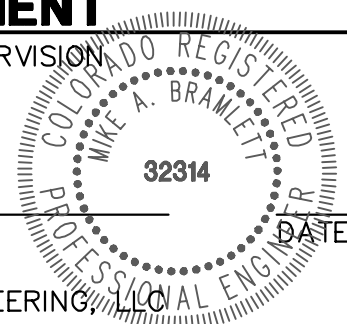
1 1 0 1
ORIGINAL SCALE: 1" = 1'



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION

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



SAND CREEK RESTORATION

AGRIDRAIN DETAILS

SHEET 82 OF 121

JOB NO. 25188.04

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
VARIES	VARIES	7/18/23	R.C.B.	R.C.B.	

NO.	REVISION	BY	DATE

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