

LAYER LINETYPE LEGEND

	EXISTING	PROPOSED
PHASE LINE	---	---
MATCH LINE	---	---
SECTION LINE	---	---
BOUNDARY LINE	---	---
PROPERTY LINE	---	---
EASEMENT LINE	---	---
RIGHT OF WAY	---	---
R.O.W. A LINE	---	---
CENTERLINE	---	---
CITY LIMITS	---	---
WIRE FENCE	---	---
CHAIN LINK FENCE	---	---
WOOD FENCE	---	---
MASONRY FENCE	---	---
GUARDRAIL	---	---
CONC. BARRIER	---	---
CABLE TV	---	---
ELECTRIC	---	---
FIBER OPTIC	---	---
GAS MAIN	---	---
IRRIGATION MAIN	---	---
OIL/PETRO. MAIN	---	---
OVERHEAD UTILITY	---	---
SANITARY SEWER	---	---
STORM DRAIN	---	---
TELEPHONE	---	---
WATER MAIN	---	---
RAW WATER LINE	---	---
SWALE/WATERWAY FLOWLINE	---	---
DIVERSION DITCH	---	---
DIVERSION CHANNEL	---	---
MAJOR DRAINAGE BASIN	---	---
MINOR DRAINAGE BASIN	---	---
TOP OF SLOPE	---	---
TOE OF SLOPE	---	---
EDGE OF WATER	---	---
INDEX CONTOUR	---	---
INTERMEDIATE CONTOUR	---	---
DEPRESSION CONT. (INDEX)	---	---
DEPRESSION CONT. (INTER)	---	---
TOP OF CUTS	---	---
TOE OF FILLS	---	---
CUT AND FILL LINE	---	---
SILT FENCE	---	---
100 YEAR FLOODPLAIN	---	---
500 YEAR FLOODPLAIN	---	---
FLOODWAY	---	---
BASE FLOOD ELEVATION	---	---
EDGE OF WETLANDS	---	---
STONE WALL	---	---

UTILITIES LEGEND

	EXISTING	PROPOSED
STORM SEWER		
MANHOLE	⊙	●
STORM INLET	⊠	■
AREA INLET - SQUARE	□	□
AREA INLET - ROUND	○	○
FLARED END SECTION	▷	▷
RIPRAP	⊞	⊞
SANITARY SEWER		
LINE MARKER	⊙Mkr San	
SERVICE MARKER	△	
CLEAN-OUT	⊖	⊖
MANHOLE W/ DIRECTIONAL FLOW ARROW	⊙↻	●↻
WATER LINE		
LINE MARKER	⊙Mkr W	
SERVICE MARKER	△	
FIRE HYDRANT	⊕	⊕
FIRE CONNECTION	⊕	⊕
MANHOLE	⊙	●
BEND	⊕	⊕
BLOW-OFF VALVE	⊕	⊕
WELL	⊙WELL	●WELL
METER	⊕	⊕
VALVE	⊕	⊕
REDUCER	⊕	⊕
THRUST BLOCK	⊕	⊕
CROSS	⊕	⊕
PLUG W/ THRUST BLOCK	⊕	⊕
TEE	⊕	⊕
REVERSE ANCHOR	⊕	⊕
ANODE	⊕	⊕
AIR & VACUUM VALVE ASSEMBLY	⊕	⊕
TRANSMISSION BLOW-OFF ASSEMBLY	⊕	⊕
GAS LINE		
MARKER	⊙Mkr G	
SERVICE MARKER	△	
METER	⊕	⊕
VALVE	⊕	⊕
PLUG	⊕	⊕
TEE	⊕	⊕
DRY UTILITIES		
CABLE TV MARKER	⊙Mkr TV	
CABLE TELEVISION PEDESTAL	⊞	
ELECTRIC MARKER	⊙Mkr E	
ELECTRIC SERVICE MARKER	△	
ELECTRICAL PEDESTAL	⊞	
ELECTRICAL METER	⊕	
ELECTRICAL MANHOLE	⊕	
FIBER-OPTIC MARKER	⊙Mkr FO	
IRRIGATION PEDESTAL	⊞	
TELEPHONE MARKER	⊙Mkr T	
TELEPHONE PEDESTAL	⊞	
TELEPHONE MANHOLE	⊕	
UTILITY POLE	⊖	⊖
GUY ANCHOR	⊖	⊖
GUY POLE	⊖	⊖
MISC. UTILITIES		
VENT PIPE	⊕VP	⊕VP
TEST HOLE DESIGNATOR	⊕TH	⊕TH

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

PREPARED FOR
C&M PROPERTIES, LLC
12748 BAROSSA VALLEY ROAD
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EDWARD MCDONALD
719-210-9480

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A Westman Company
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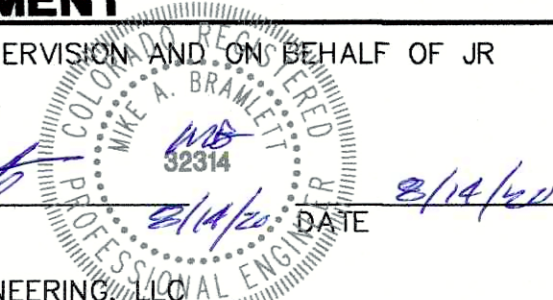
BY	DATE	REVISION	N/A	N/A	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
					07/14/20	NQJ	NQJ	

TAMLIN ROAD RV STORAGE
LEGEND

EPC 9/9/2020

ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
Mike A. Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, L.L.C.
DATE: 9/14/20



X:\251000\2513400\Drawings\Sheet Design\Grading and Erosion Control\Plan\2513400C01.dwg, Legend: 7/15/2020, 2:39:42 PM, GE

5045 N MARKSHEFFEL RD
OWNER: STETSON HILLS PROPERTY
OWNER LLC

5110 TAMLIN ROAD
OWNER: PEOPLES UNITED METHODIST
CHURCH

LOT 2 CANTY SUBDIVISION
OWNER: GERALD M. & SHARON A.
OLESZEK

FOUND RED PLASTIC CAP
"AZTEC PLS 36256"

ADDRESS N/A
OWNER: BLH NO 2 LLC

ADDRESS N/A
OWNER: CHEROKEE WATER &
SANITATION DISTRICT

ADDRESS N/A
OWNER: BLH NO 2 LLC

LEGEND

SEDIMENT BASIN	(SB)	
SILT FENCE	(SF)	
STABILIZED STAGING AREA	(SSA)	
CONSTRUCTION MARKER	(CM)	
VEHICLE TRACKING CONTROL	(VTC)	
TEMPORARY STOCK PILE	(TSP)	
EROSION CONTROL BLANKET	(ECB)	
INLET PROTECTION	(IP)	
OUTLET PROTECTION	(OP)	
DIVERSION DITCH AND DIKE, TEMPORARY	(DD)	
CUT AND FILL LINE		
LIMITS OF DISTURBANCE	(LOD)	
PERMANENT SEEDING/MULCHING	(MU/PS)	
PROPOSED DRAINAGE ARROW		
EXISTING DRAINAGE ARROW		

- ### EROSION CONTROL NOTES
- THE EXISTING SITE VEGETATION INCLUDES NATIVE WEEDS AND GRASSES. THERE ARE NO AREAS OF SIGNIFICANT VEGETATION OR TREE CLUSTERS.
 - NO CONCRETE OR ASPHALT BATCH PLANS ARE PROPOSED FOR THIS PROJECT.
 - NO STREAMS, SPRINGS, WETLANDS OR OTHER SURFACE WATER CROSS THIS SITE.
 - THE REQUIRED SEEDING AND MULCHING AREA FOR THE SITE TOTALS 4.26 ACRES. ALL AREAS NOT PAVED OR GRAVEL, SHALL BE SEEDED AND MULCHED. SEE EROSION CONTROL PLAN FOR AREAS REQUIRING SEEDING AND MULCHING.
 - PER NRCS SOILS MAP, SOILS ON SITE ARE CLASSIFIED AS "TYPE A", GRAVELLY SAND. THIS SOIL TYPE IS FOUND TO BE SUITABLE FOR USE IN EMBANKMENTS (MAX 3:1 SLOPES) AND ROADWAYS. REFER TO SOILS REPORT PREPARED BY RMG ENGINEERS 3/2/2020.
 - THE CONSTRUCTION SITE BOUNDARY IS THE SAME AS THE LIMITS OF DISTURBANCE (LOD).

- ### BMP PHASING
- INITIAL (JULY 2020):
- INSTALL VTC
 - ESTABLISH SSA
 - INSTALL CONSTRUCTION MARKERS
 - INSTALL SILT FENCE
 - INSTALL SEDIMENT BASINS
 - INSTALL DIVERSION DITCHES
- INTERIM (SEPTEMBER 2020):
- LOCATE/INSTALL TEMPORARY STOCKPILE
 - MAINTAIN ALL BMPs
 - INSTALL INLET AND OUTLET PROTECTION
 - INSTALL EROSION CONTROL BLANKETS
- FINAL (DECEMBER 2020):
- INSTALL MULCH AND PERMANENT SEEDING IN ALL DISTURBED AREAS
 - REMOVE SILT FENCE AFTER STABILIZED
- FINAL STABILIZATION ANTICIPATED APRIL 2021.

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

ORIGINAL SCALE: 1" = 50'

EPC 9/9/2020

ENGINEER'S STATEMENT

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS REPORT.

Mike Bramlett
SIGNATURE

Mike Bramlett
PRINTED NAME

DATE: 8/14/20
SEAL: PROFESSIONAL ENGINEER

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, THESE DRAWINGS ARE VALID ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
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NO.	REVISION	BY	DATE

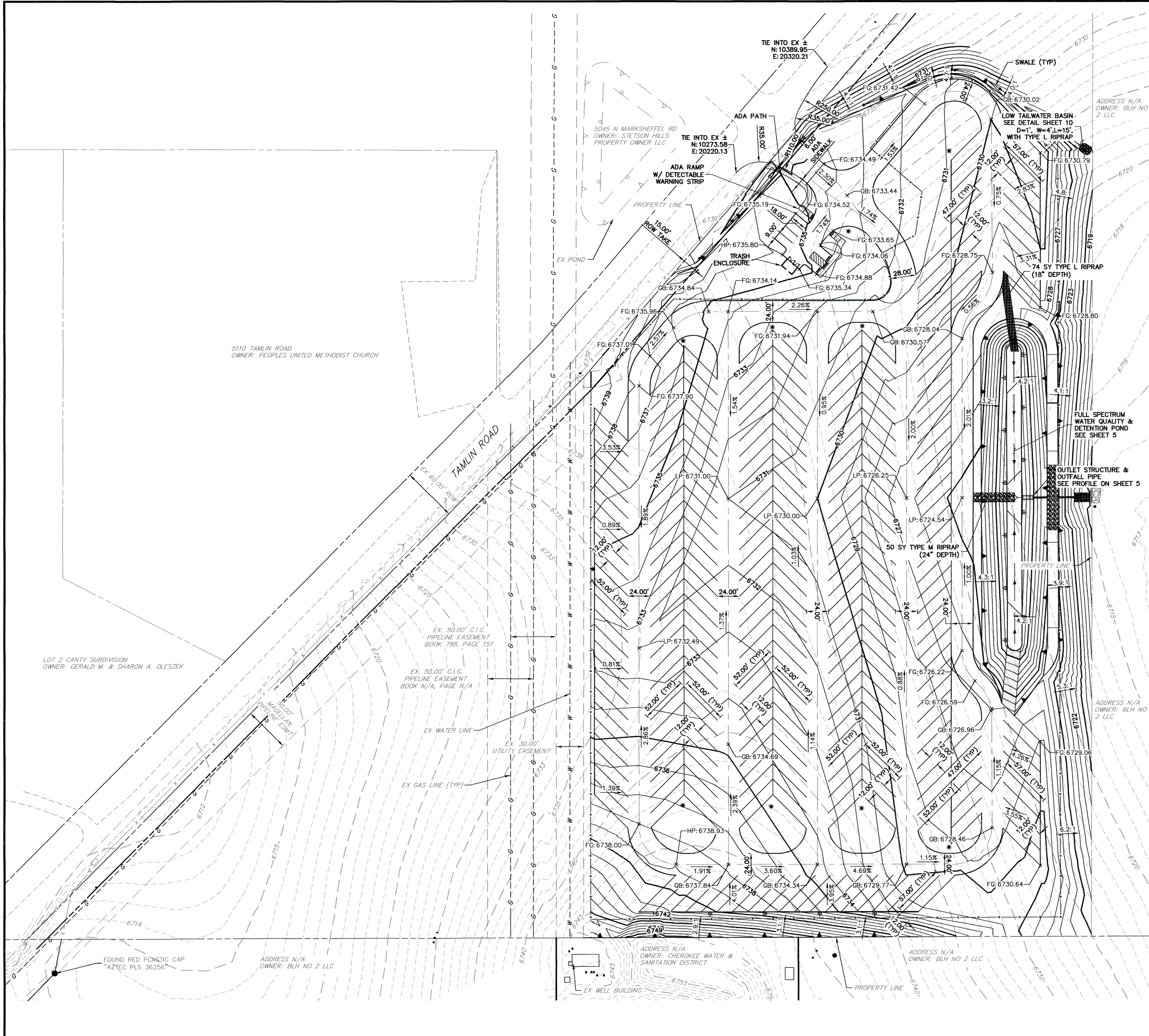
H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=50'	N/A	07/14/20	NQJ	NQJ	NQJ

TAMLIN ROAD RV STORAGE

GRADING AND EROSION CONTROL PLAN

SHEET 3 OF 10

JOB NO. 25134.00



GRADING NOTES

1. ALL DRIVE AISLES AND PARKING AREAS ARE TO BE RECYCLED ASPHALT. ALL OTHER AREAS ARE TO BE SEEDED PER GRADING AND EROSION CONTROL PLAN.
2. REFER TO THE SOILS REPORT PREPARED BY RMG ENGINEERS 3/2/2020. THE REPORT IS CONSIDERED A PART OF THESE PLANS. THE REPORT RECOMMENDS A MAXIMUM OF 3:1 EMBANKMENT SLOPES.

ABBREVIATIONS

- FG - FINISHED GRADE
- GB - GRADE BREAK
- LP - LOW POINT
- HP - HIGH POINT



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BY	DATE	No.	REVISION

TAMLIN ROAD RV & BOAT STORAGE
OVERALL GRADING PLAN

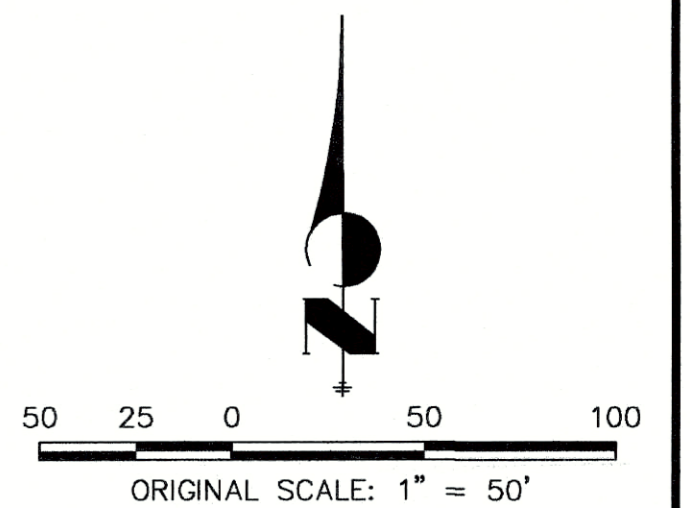
SHEET 4 OF 10
JOB NO. 25134.00

ENGINEER'S STATEMENT

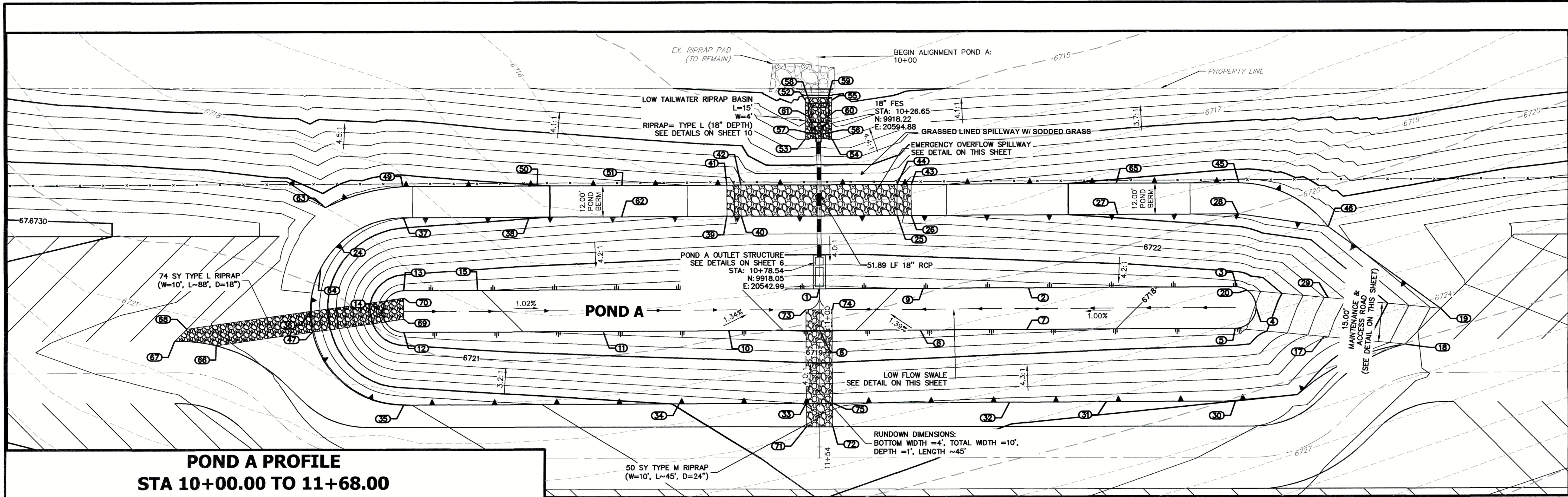
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

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

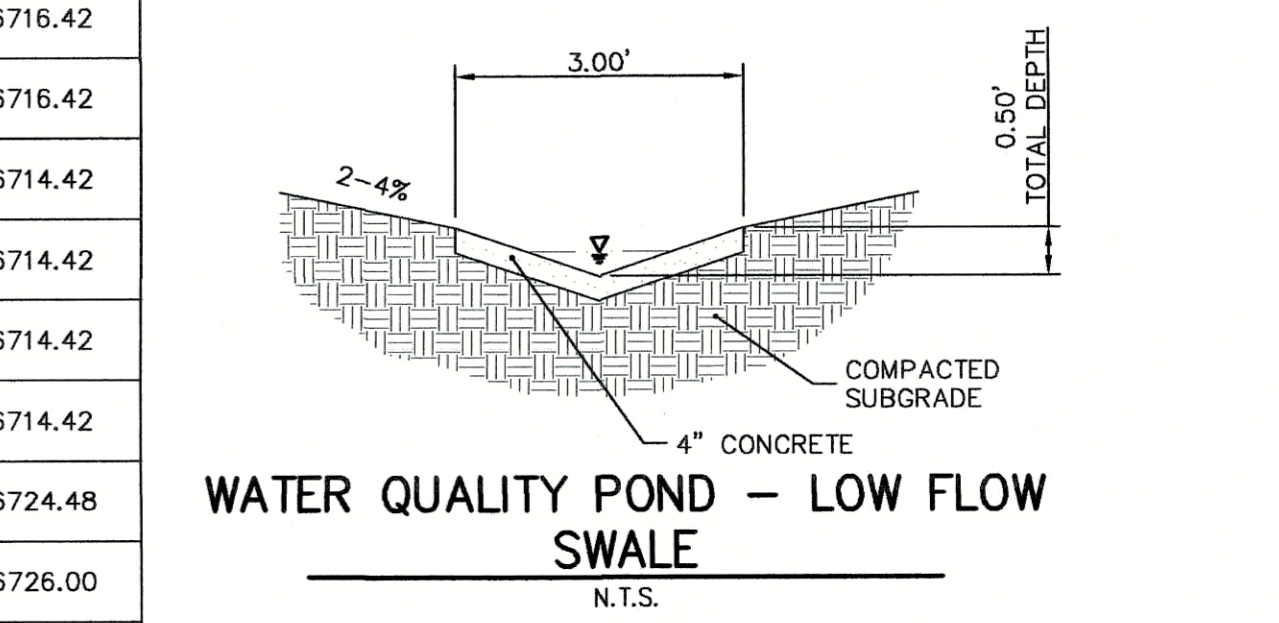
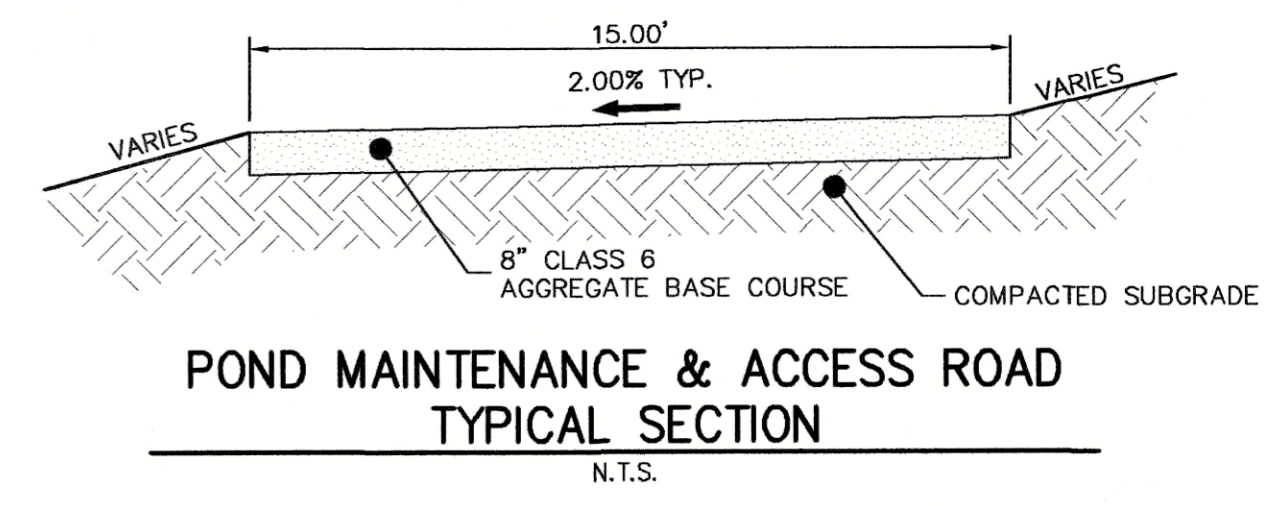
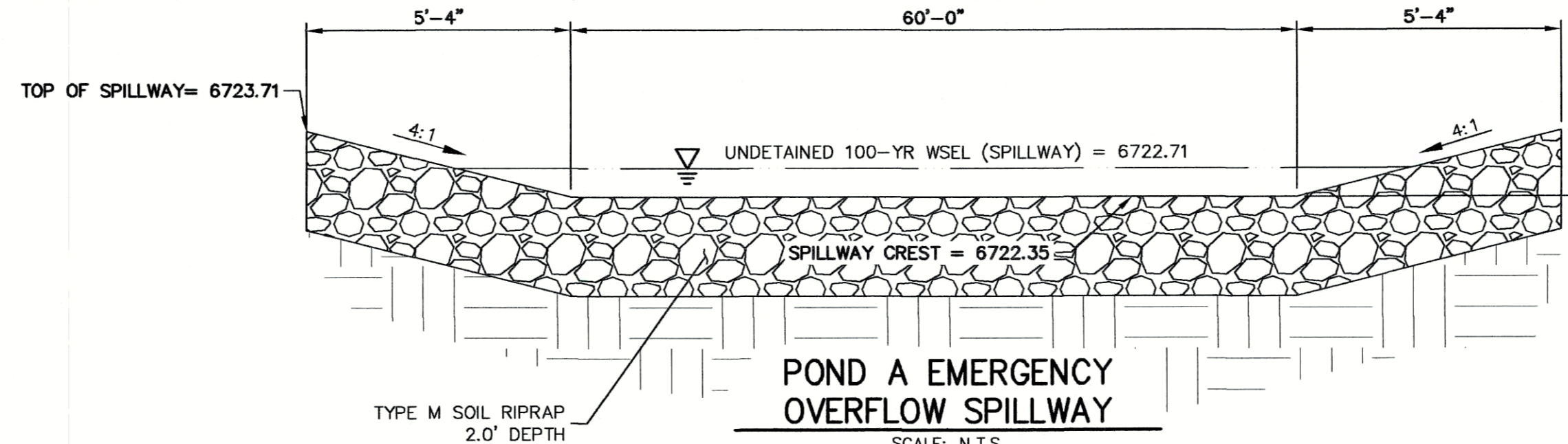
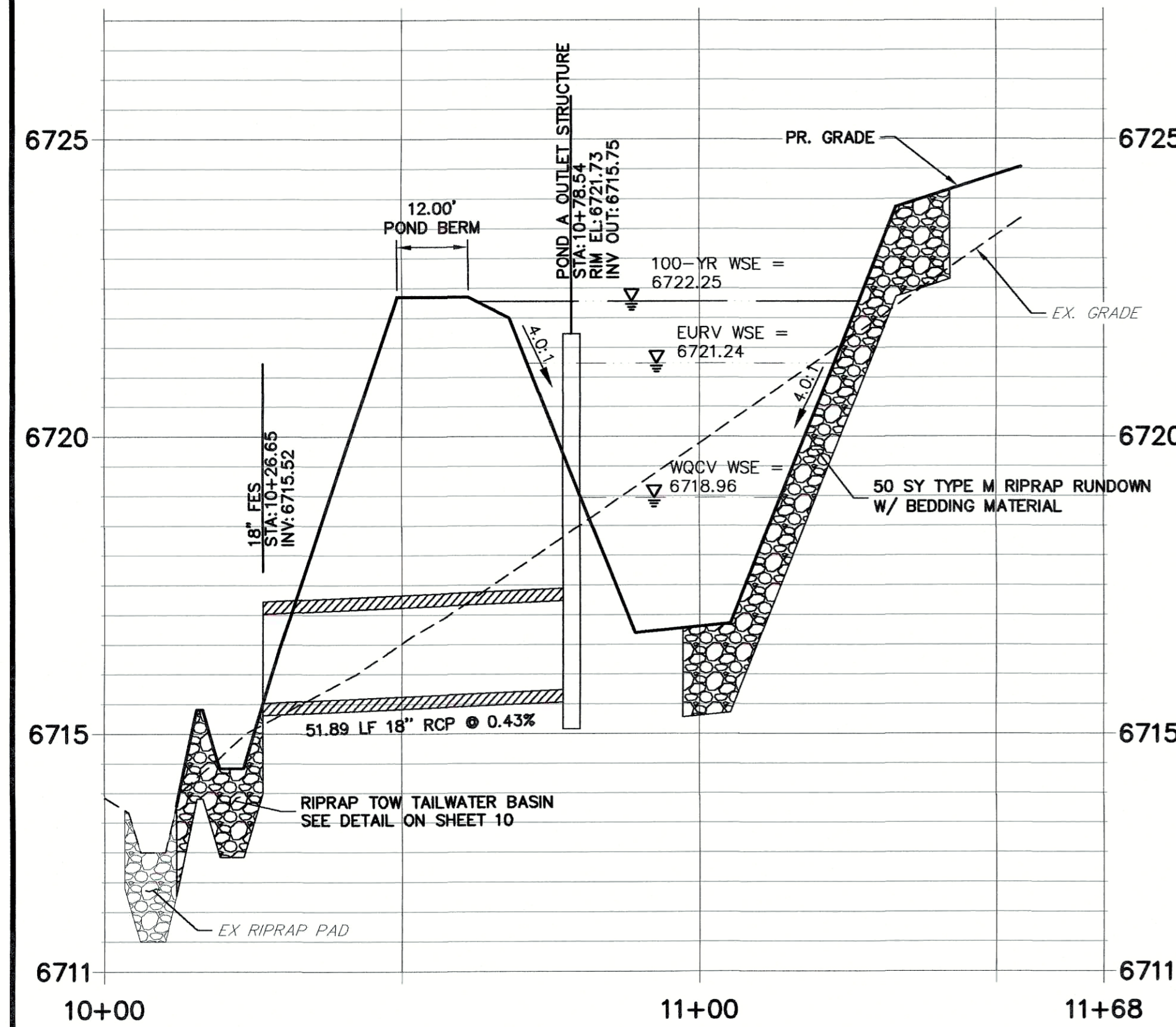
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**POND A PROFILE
STA 10+00.00 TO 11+68.00**



ID NO.	DESCRIPTION	NORTHING/EASTING	ELEVATION
1	OUTLET STRUCTURE	N: 9918.05 E: 20532.33	6716.70
2	TOE OF SLOPE	N: 9837.72 E: 20532.60	6717.50
3	TOE OF SLOPE	N: 9757.40 E: 20532.88	6718.31
4	TOE OF SLOPE	N: 9750.01 E: 20524.61	6719.09
5	MAINT. & ACCESS ROAD/TOE OF SLOPE	N: 9757.98 E: 20516.90	6718.46
6	TOE OF SLOPE/RIPRAP	N: 9918.03 E: 20516.32	6716.86
7	TOE OF SLOPE	N: 9838.33 E: 20516.61	6717.66
8	TOE OF SLOPE	N: 9879.39 E: 20516.46	6717.25

POINT TABULATION				POINT TABULATION				POINT TABULATION			
ID NO.	DESCRIPTION	NORTHING/EASTING	ELEVATION	ID NO.	DESCRIPTION	NORTHING/EASTING	ELEVATION	ID NO.	DESCRIPTION	NORTHING/EASTING	ELEVATION
10	TOE OF SLOPE	N: 9952.98 E: 20516.20	6717.21	34	TOP OF SLOPE	N: 9971.97 E: 20488.14	6724.94	56	DISSIPATOR	N: 9915.51 E: 20592.13	6716.42
11	TOE OF SLOPE	N: 10001.44 E: 20516.02	6717.69	35	TOP OF SLOPE	N: 10077.90 E: 20487.75	6727.06	57	DISSIPATOR	N: 9921.01 E: 20592.11	6716.42
12	TOE OF SLOPE	N: 10078.00 E: 20515.75	6718.46	36	TOP OF SLOPE/RIPRAP	N: 10114.03 E: 20523.84	6727.13	58	DISSIPATOR	N: 9921.05 E: 20602.11	6714.42
13	TOE OF SLOPE	N: 10078.06 E: 20531.75	6718.30	37	TOP OF SLOPE	N: 10078.16 E: 20559.75	6726.07	59	DISSIPATOR	N: 9915.55 E: 20602.13	6714.42
14	TOE OF SLOPE/RIPRAP	N: 10086.03 E: 20523.72	6718.51	38	TOP OF SLOPE	N: 10029.60 E: 20559.93	6725.15	60	DISSIPATOR	N: 9915.53 E: 20598.13	6714.42
15	TOE OF SLOPE	N: 10049.63 E: 20531.85	6718.02	39	TOP OF POND/BEGIN SPILLWAY	N: 9953.58 E: 20560.20	6723.71	61	DISSIPATOR	N: 9921.03 E: 20598.11	6714.42
16	TOE OF SLOPE	N: 9966.08 E: 20532.15	6717.18	40	SPILLWAY CREST	N: 9948.14 E: 20560.22	6722.35	62	TOP OF POND	N: 9994.27 E: 20560.05	6724.48
17	MAINT. & ACCESS ROAD	N: 9723.82 E: 20513.63	6722.79	41	TOP OF POND/BEGIN SPILLWAY	N: 9953.63 E: 20572.20	6723.71	63	TOP OF POND	N: 10108.14 E: 20563.79	6726.00
18	MAINT. & ACCESS ROAD	N: 9692.81 E: 20510.67	6726.72	42	SPILLWAY CREST	N: 9948.19 E: 20572.22	6722.35	64	TOP OF POND	N: 10110.05 E: 20540.21	6726.81
19	MAINT. & ACCESS ROAD	N: 9679.06 E: 20524.43	6727.48	43	TOP OF POND/BEGIN SPILLWAY	N: 9882.75 E: 20572.45	6723.71	65	TOP OF POND	N: 9803.90 E: 20572.72	6725.39
20	MAINT. & ACCESS ROAD/TOE OF SLOPE	N: 9753.55 E: 20531.54	6718.35	44	SPILLWAY CREST	N: 9888.19 E: 20572.43	6722.35	66	EDGE OF ROAD/RIPRAP	N: 10150.11 E: 20510.72	6728.18
24	RIPRAP	N: 10102.65 E: 20550.02	6726.58	45	TOP OF SLOPE	N: 9756.61 E: 20572.88	6726.38	67	EDGE OF ROAD/RIPRAP	N: 10166.14 E: 20512.51	6728.52
25	SPILLWAY CREST	N: 9888.14 E: 20560.43	6722.35	46	TOP OF SLOPE	N: 9722.26 E: 20555.94	6726.75	68	EDGE OF ROAD/RIPRAP	N: 10161.45 E: 20517.21	6728.55
26	TOP OF POND/BEGIN SPILLWAY	N: 9882.70 E: 20560.45	6723.71	47	TOP OF SLOPE/RIPRAP	N: 10113.16 E: 20515.89	6727.15	69	RIPRAP	N: 10078.02 E: 20520.80	6718.41
27	TOP OF SLOPE	N: 9803.15 E: 20560.74	6725.41	49	TOP OF SLOPE	N: 10078.20 E: 20571.75	6726.07	70	RIPRAP	N: 10078.05 E: 20528.88	6718.33
28	TOP OF SLOPE	N: 9756.78 E: 20560.88	6726.40	50	TOP OF SLOPE	N: 10026.47 E: 20571.94	6725.09	71	EDGE OF ROAD/RIPRAP	N: 9923.03 E: 20479.28	6724.25
29	MAINT. & ACCESS ROAD	N: 9722.19 E: 20528.55	6722.19	51	TOP OF SLOPE	N: 9993.97 E: 20572.05	6724.47	72	EDGE OF ROAD/RIPRAP	N: 9913.03 E: 20479.28	6724.21
30	TOP OF SLOPE	N: 9757.88 E: 20488.90	6725.00	52	DISSIPATOR	N: 9923.29 E: 20604.95	6715.42	73	RIPRAP	N: 9923.20 E: 20524.30	6716.83
31	TOP OF SLOPE	N: 9807.61 E: 20488.72	6724.65	53	DISSIPATOR	N: 9923.25 E: 20590.10	6716.90	74	RIPRAP	N: 9913.20 E: 20524.34	6716.83
32	TOP OF SLOPE	N: 9844.80 E: 20488.59	6724.38	54	TOP OF SLOPE	N: 9913.25 E: 20590.13	6716.89	75	TOP OF SLOPE/RIPRAP	N: 9913.07 E: 20488.34	6723.89
33	TOP OF SLOPE/RIPRAP	N: 9923.07 E: 20488.30	6723.96	55	DISSIPATOR	N: 9913.31 E: 20604.99	6715.39				

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

HORIZONTAL ORIGINAL SCALE: 1" = 20'
VERTICAL ORIGINAL SCALE: 1" = 2'

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

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

DATE: 8/14/20

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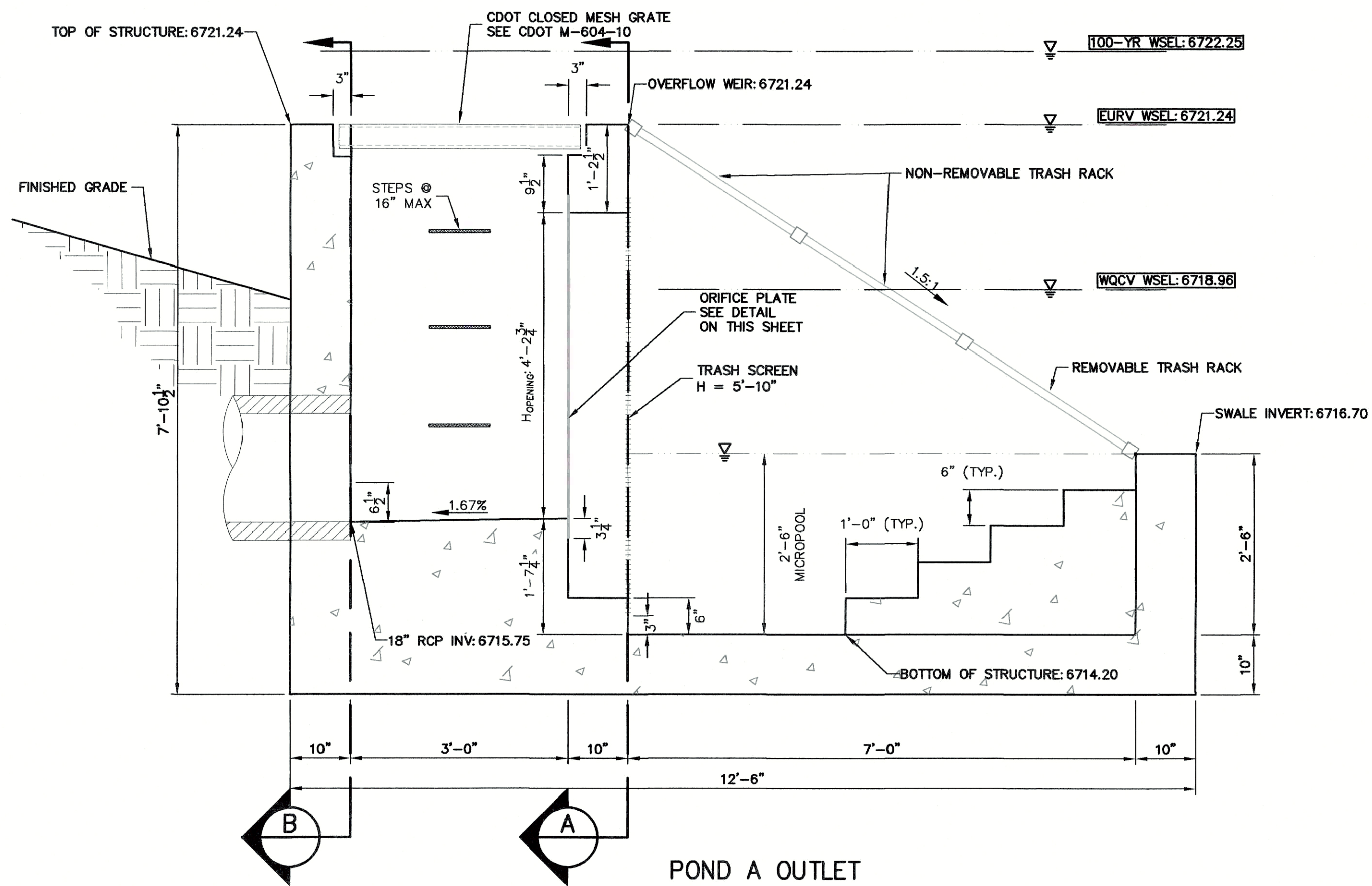
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V-SCALE 1"=2'
DATE 07/14/20
DESIGNED BY NQU
DRAWN BY NQU
CHECKED BY

TAMLIN ROAD RV STORAGE

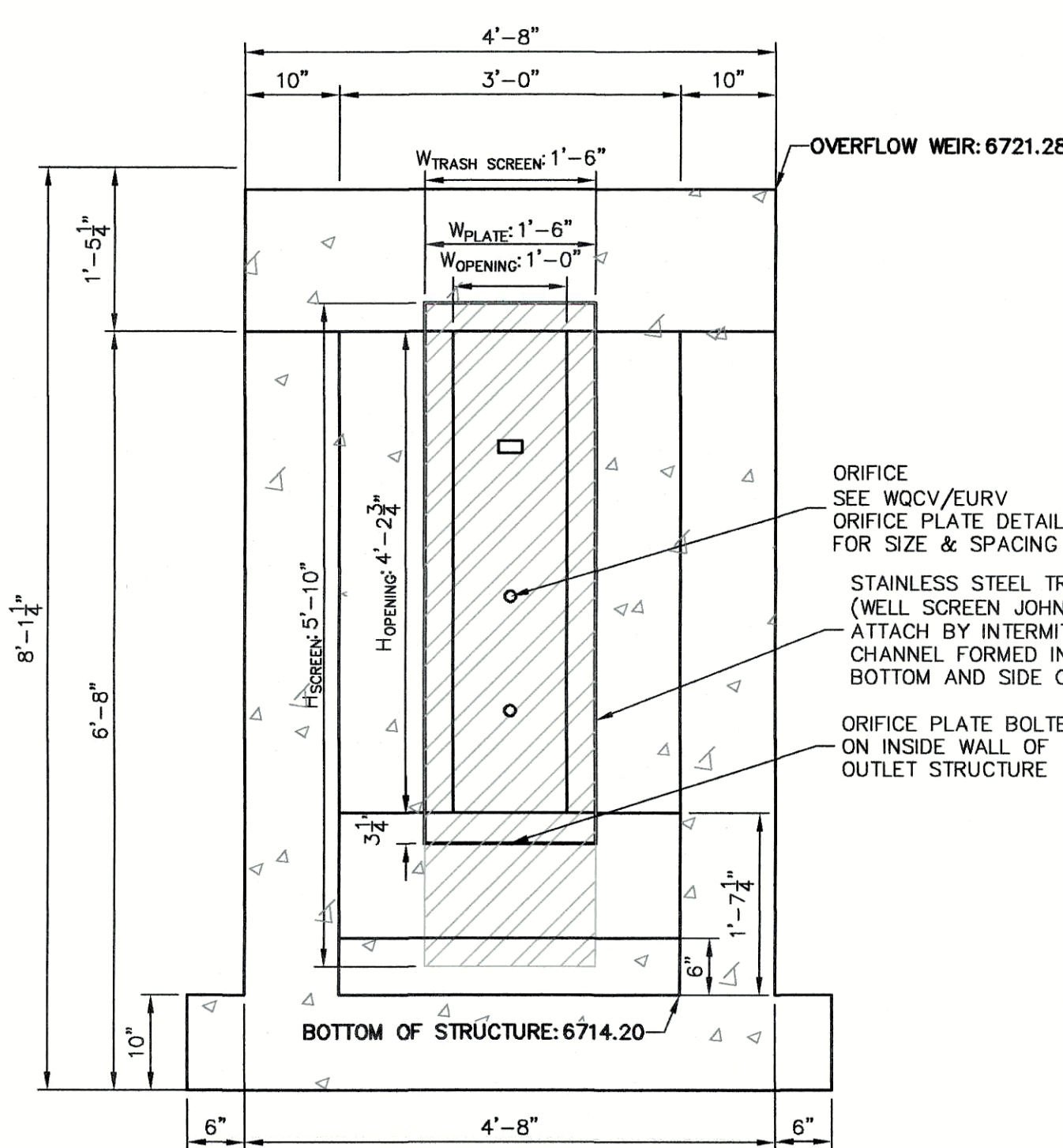
POND A GRADING PLAN

SHEET 5 OF 10
JOB NO. 25134.00

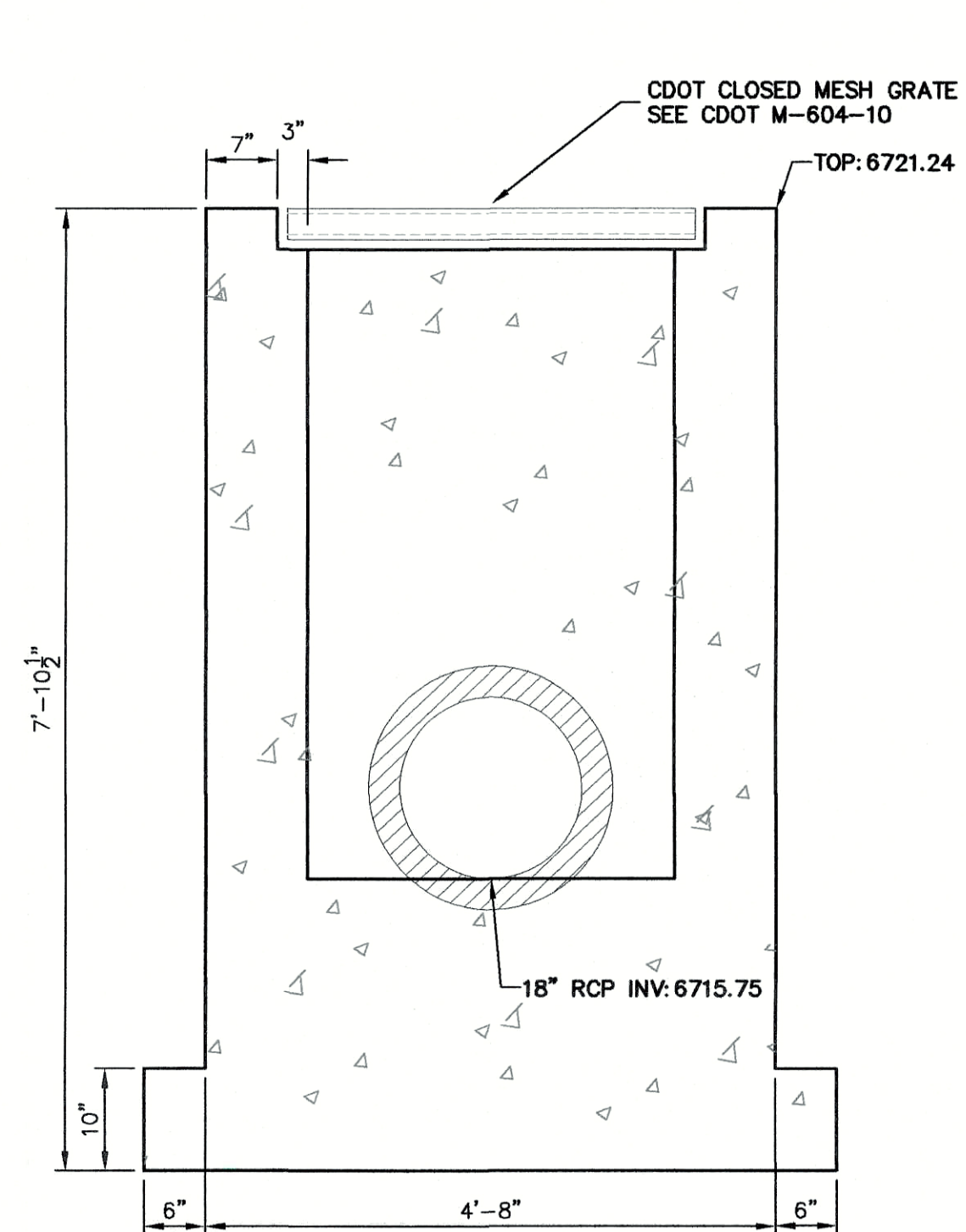
EPC 9/9/2020



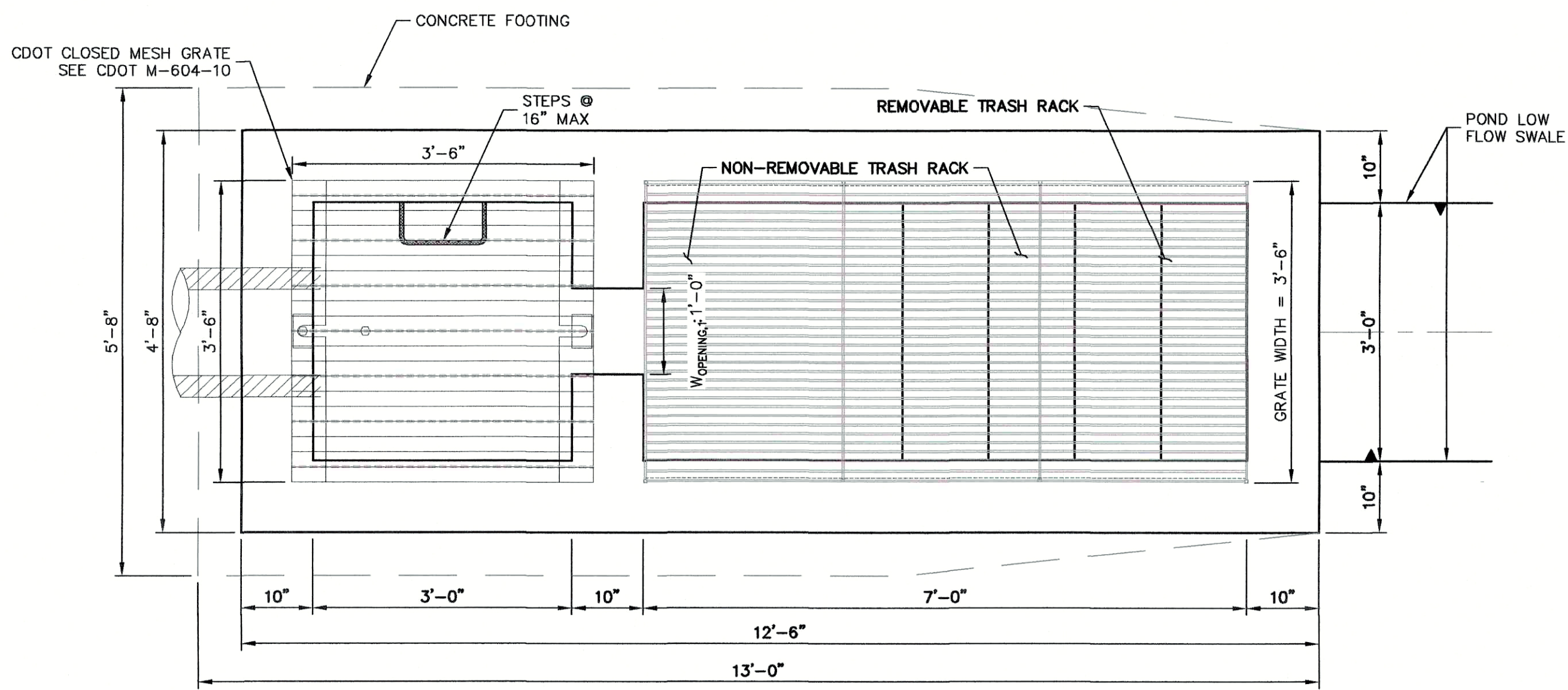
POND A OUTLET STRUCTURE - PROFILE
SCALE: 3/4"=1'



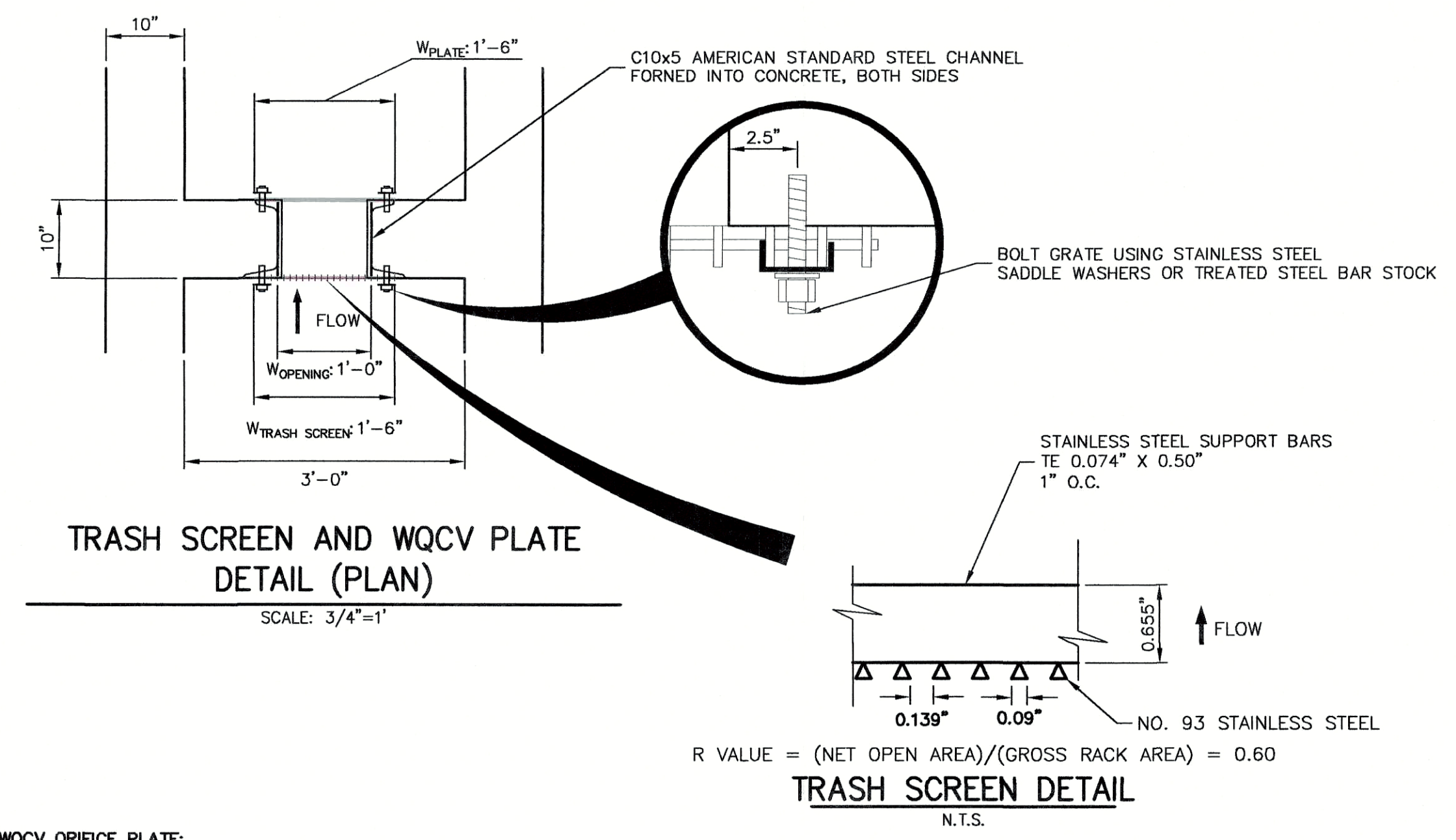
SECTION A AT ORIFICE (FRONT) WALL
SCALE: 3/4"=1'



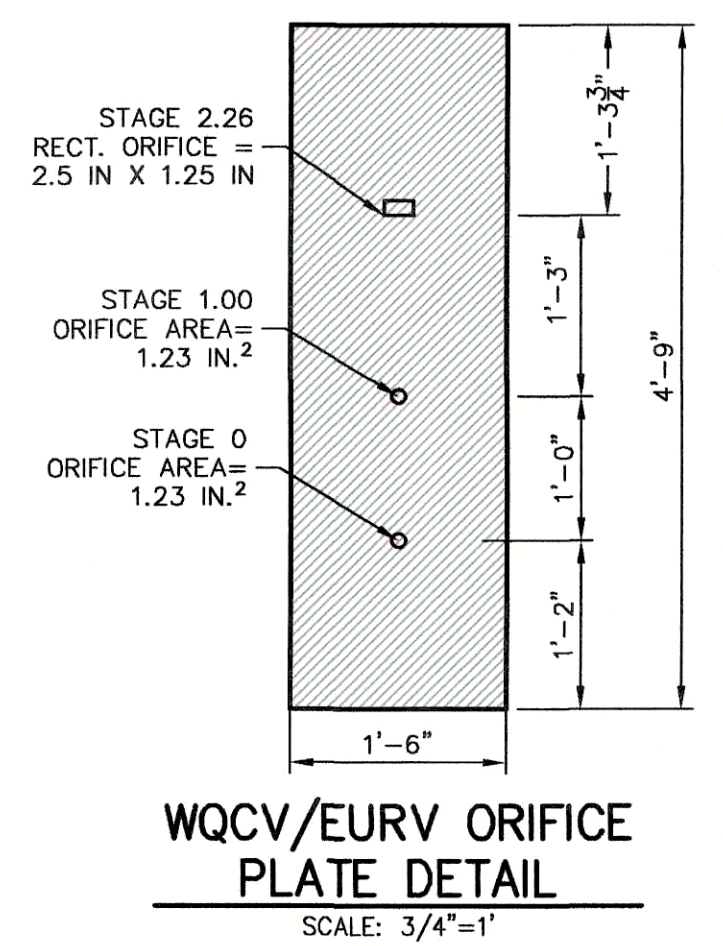
SECTION B AT OUTLET (REAR) WALL
SCALE: 3/4"=1'



POND A OUTLET STRUCTURE - PLAN
SCALE: 3/4"=1'



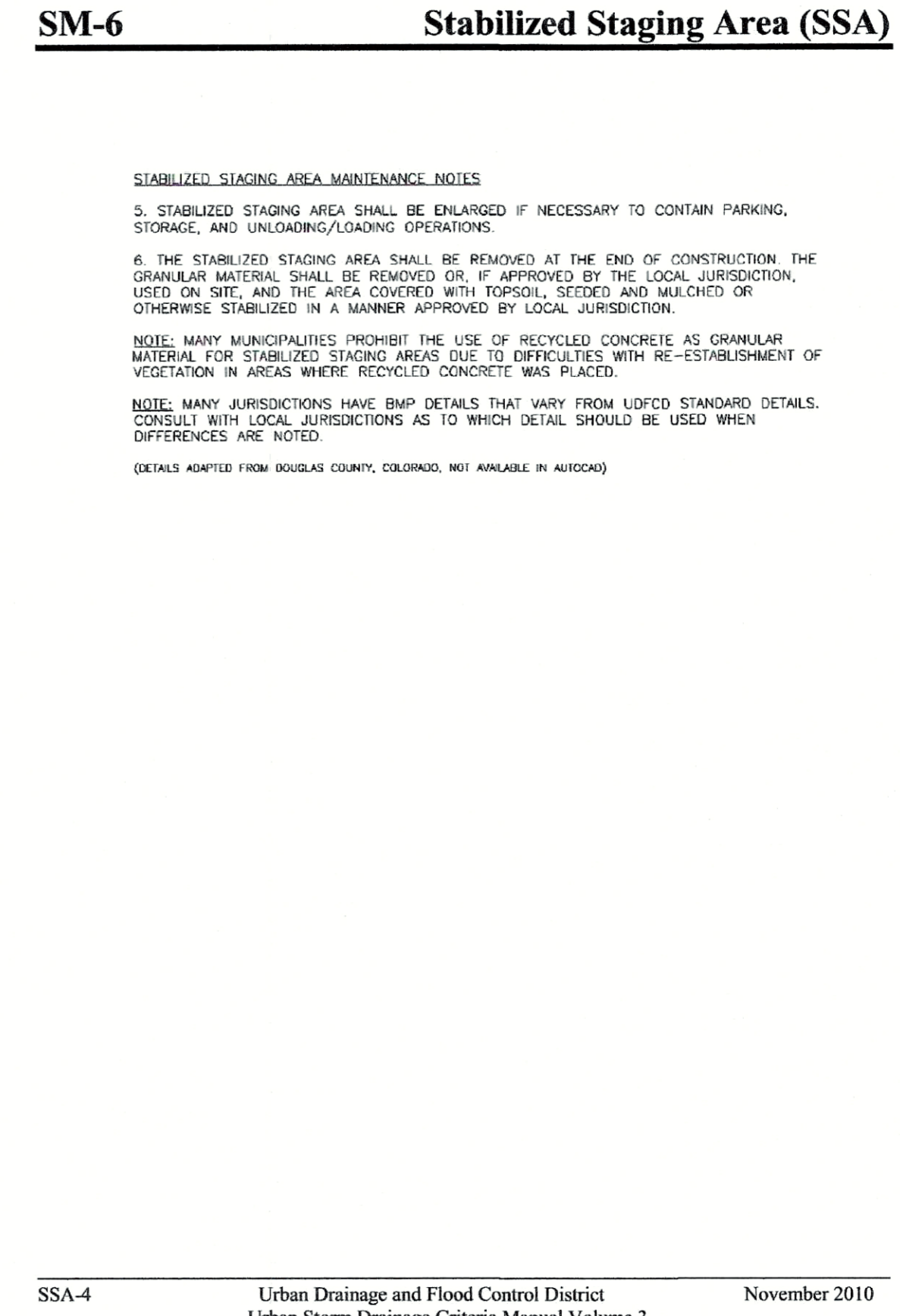
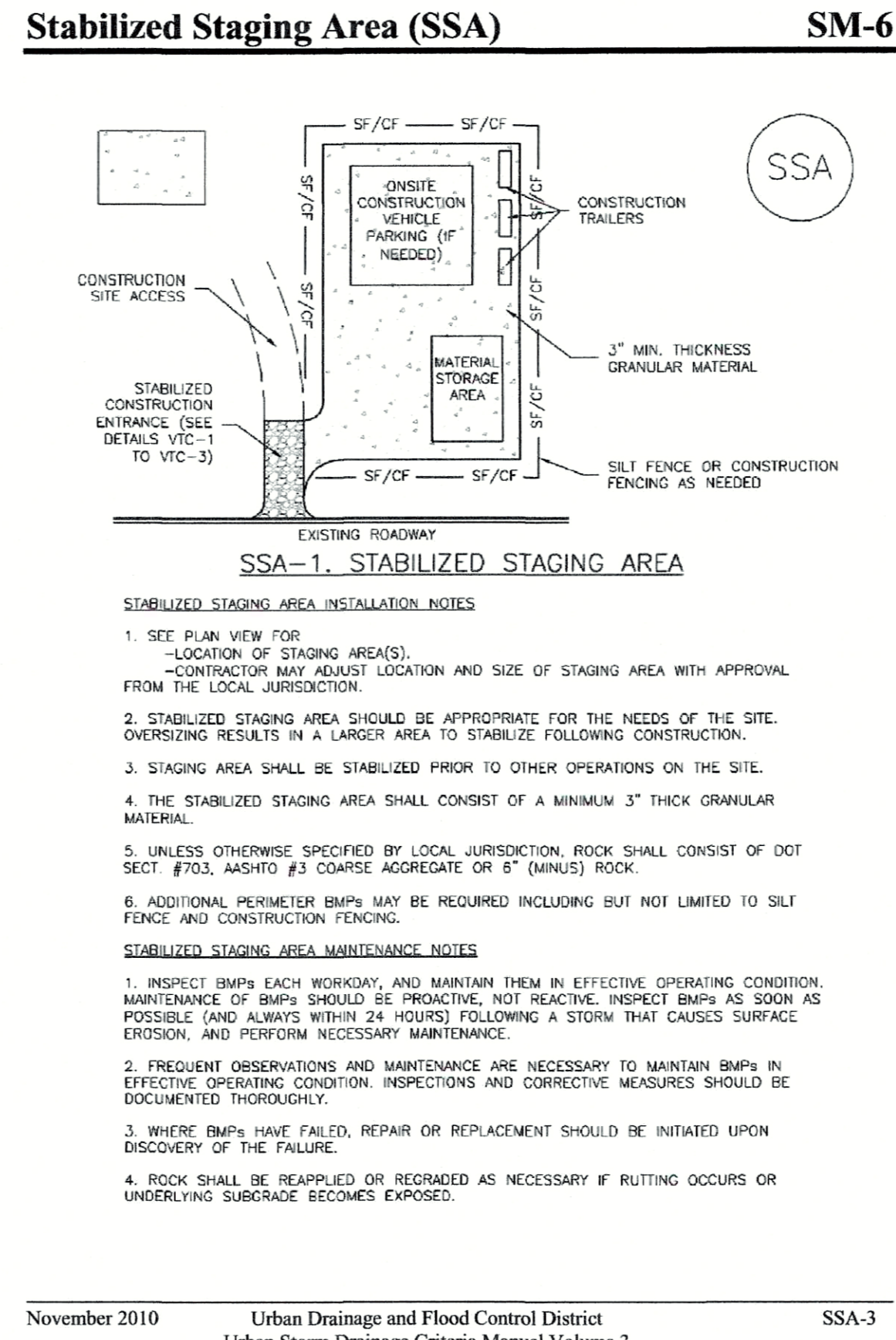
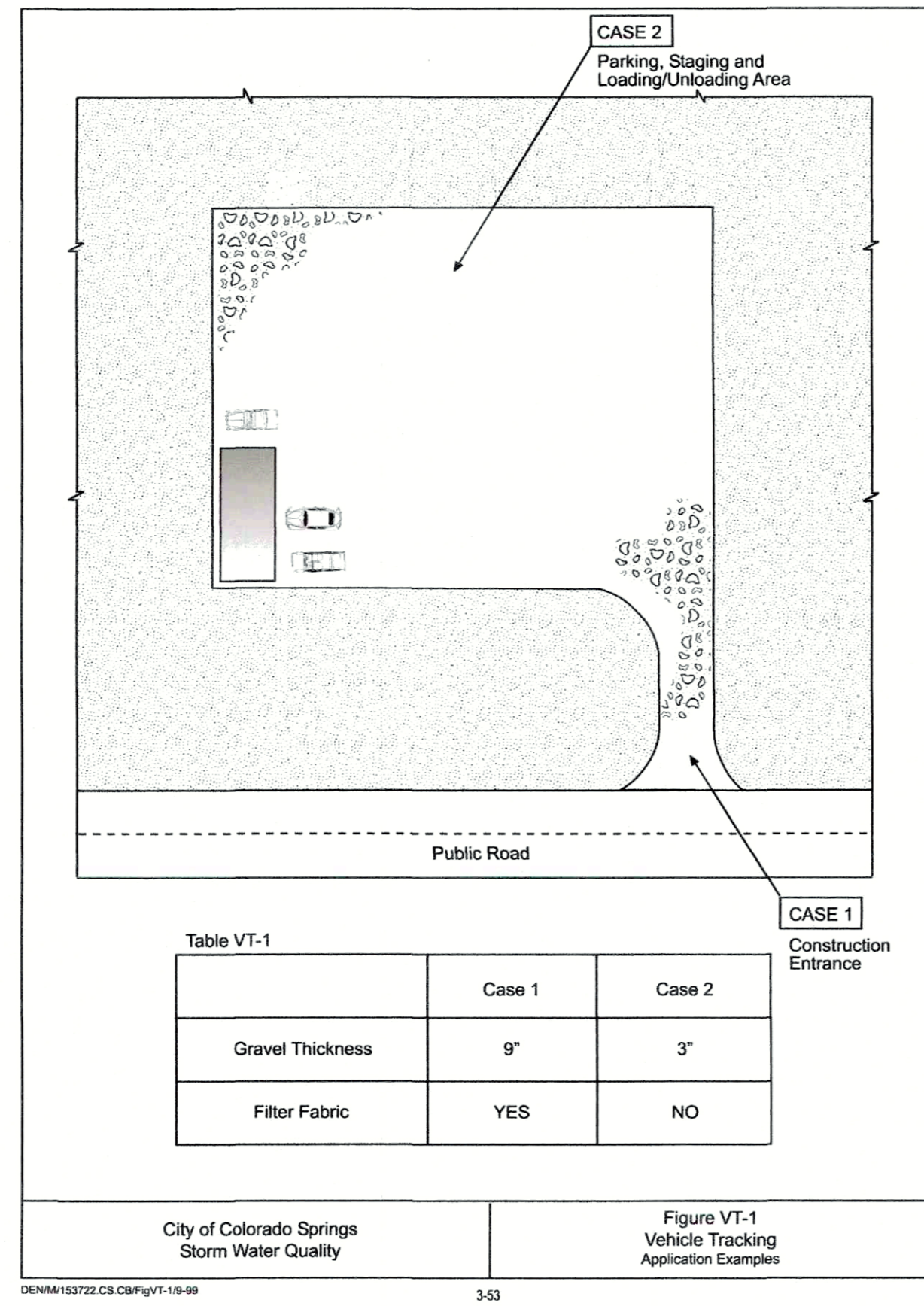
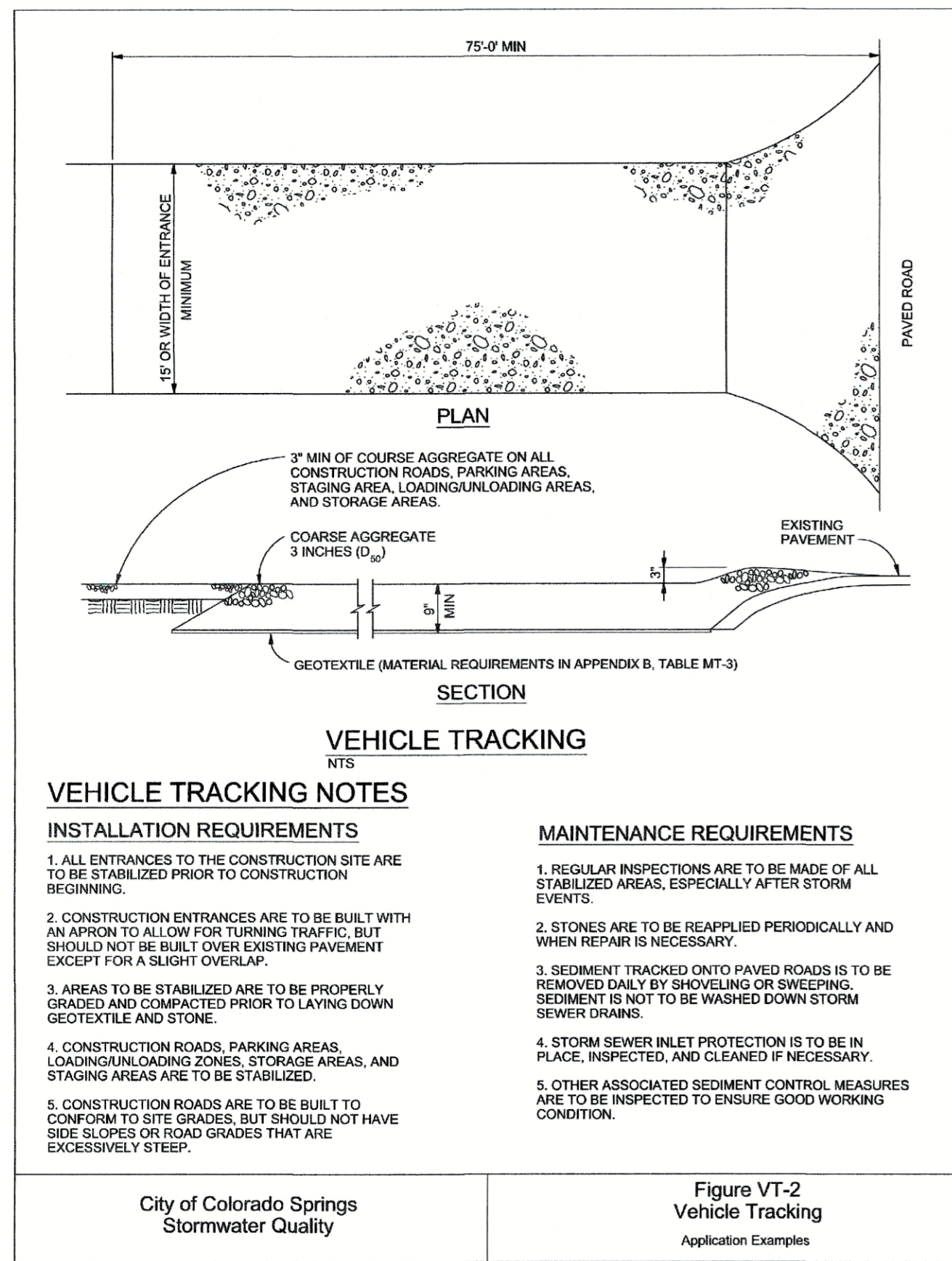
EURV/WQCV ORIFICE PLATE:
4'-9" x 1'-6" x 1/2" THICK FLOW GALVANIZED STEEL FLOW CONTROL PLATE. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE. BOLT PLATE TO CONCRETE @ 12" MAX O.C., 1/2" FROM PLATE EDGE.



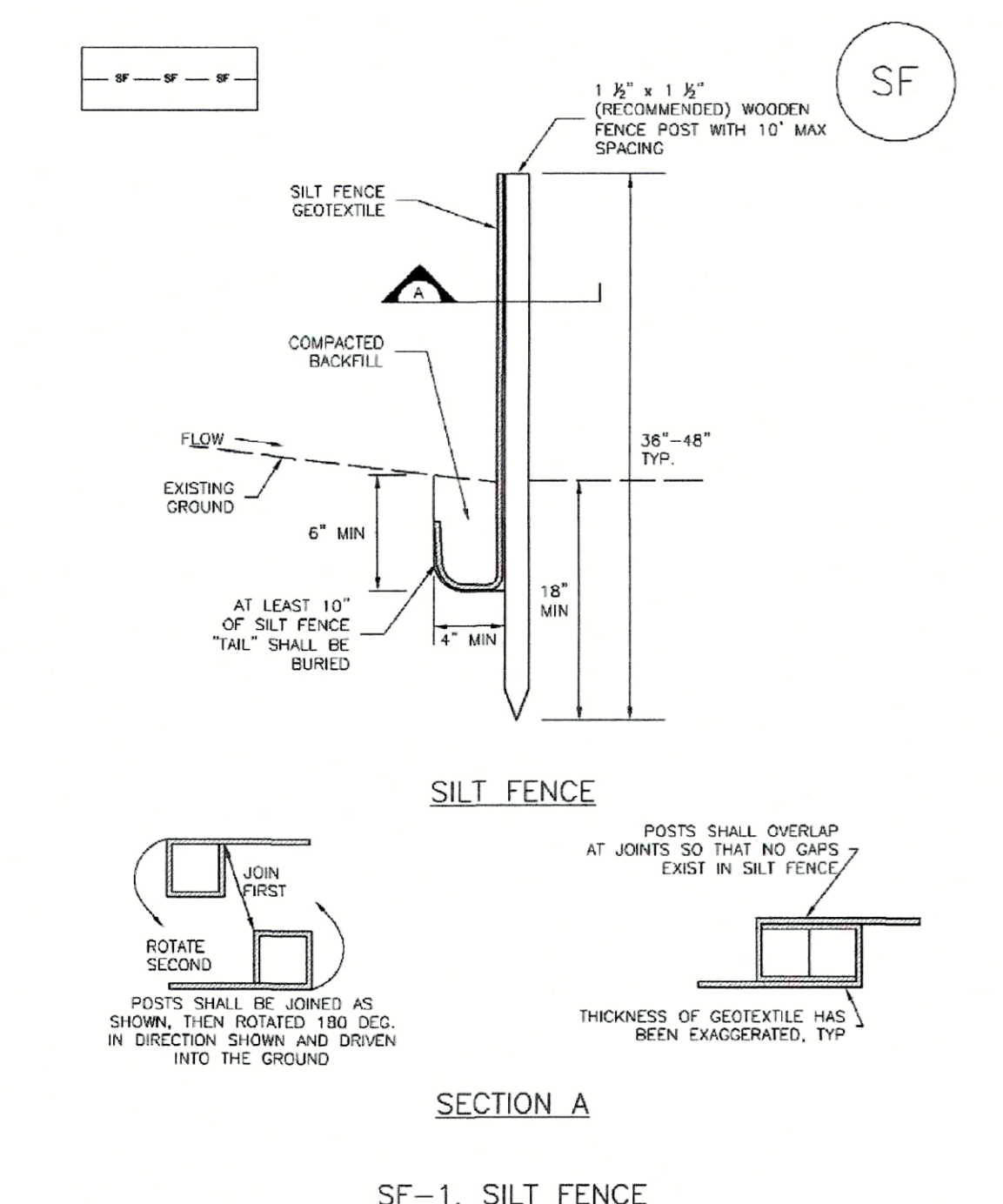
WQCV/EURV ORIFICE PLATE DETAIL
SCALE: 3/4"=1'

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

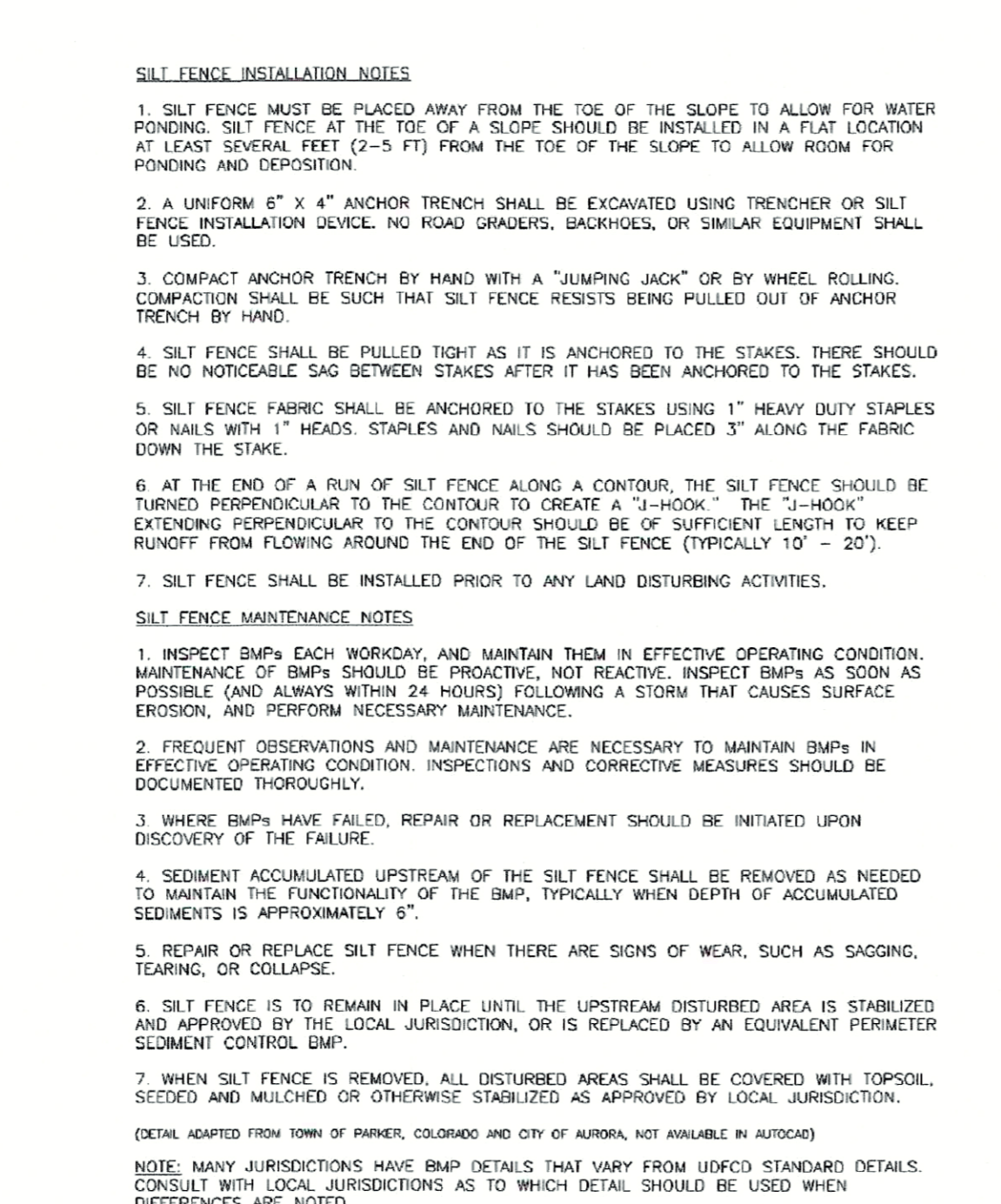
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PREPARED FOR	C&M PROPERTIES, LLC 12748 BAROSSA VALLEY ROAD COLORADO SPRINGS, CO 80921 EDWARD McDONALD 719-210-9480
BY	JR ENGINEERING A Westman Company Central 303-740-8888 • Colorado Springs 719-593-2893 Fort Collins 970-491-9888 • www.jrengineering.com
DATE	
REVISION	
H-SCALE 3/4" = 1'	V-SCALE 3/4" = 1'
DATE 07/14/20	DESIGNED BY NQJ
	DRAWN BY NQJ
	CHECKED BY
TAMLIN ROAD RV STORAGE	
POND A OUTLET STRUCTURE	
SHEET 6	OF 10
JOB NO.	25134.00



Silt Fence (SF) **SC-1**



Silt Fence (SF) **SC-1**



November 2010

Urban Drainage and Flood Control District

Urban Storm Drainage Criteria Manual Volume 3

SF-3

November 2010

Urban Drainage and Flood Control District

Urban Storm Drainage Criteria Manual Volume 3

SF-4

ENGINEER'S STATEMENT

STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT

Mike Bramlett

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

DATE: 8/14/20

FOR AND ON BEHALF OF JR ENGINEERING, LLC

PROFESSIONAL ENGINEER

NOV 14 2020

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

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TAMLIN ROAD RV STORAGE

GRADING AND EROSION CONTROL DETAILS

NO. REVISION

BY DATE

H-SCALE N/A

V-SCALE N/A

DATE 07/14/20

DESIGNED BY NQJ

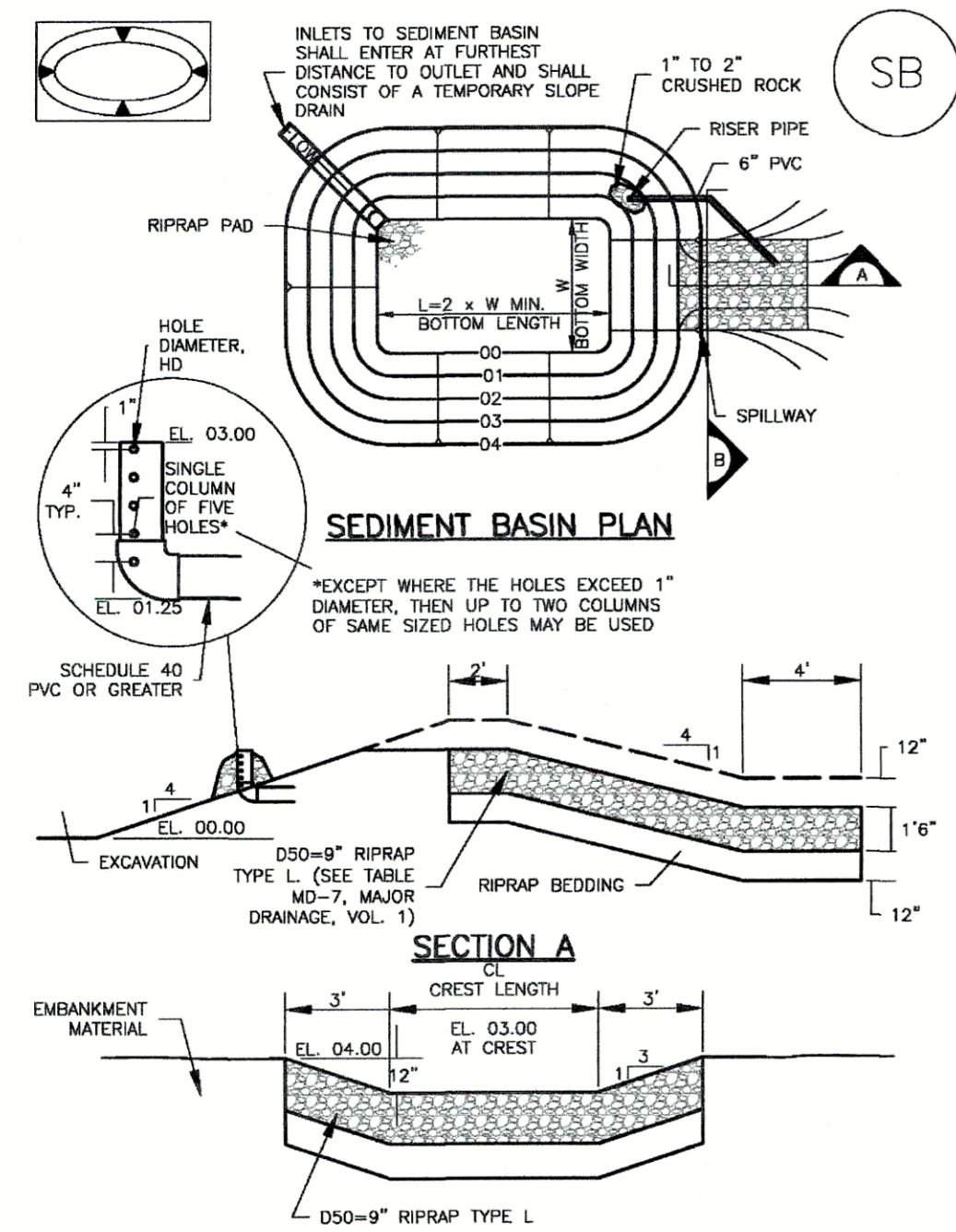
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SHEET 7 OF 10

JOB NO. 25134.00

Sediment Basin (SB) SC-7



August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

SC-7 Sediment Basin (SB)

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (ft), (W)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 1/2	2	3/4
2	21	3	1 1/4
3	28	5	1 3/4
4	33 1/2	6	1 3/4
5	38 1/2	8	1 3/4
6	43	9	1 3/4
7	47 1/2	11	1 3/4
8	51	12	1 3/4
9	55	13	1 3/4
10	58 1/2	14	1 3/4
11	61	15	1 3/4
12	64	16	1 3/4
13	67 1/2	18	1 3/4
14	70 1/2	21	1 3/4
15	73 1/2	22	1 3/4

- SEDIMENT BASIN INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
 - FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
 - SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON BASINS AS A STORMWATER CONTROL.
 - EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
 - EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
 - PIPE SCH 40 OR GREATER SHALL BE USED.
 - THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

SB-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

Sediment Basin (SB) SC-7

- SEDIMENT BASIN MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
 - SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
 - WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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EC-8 Temporary Outlet Protection (TOP)

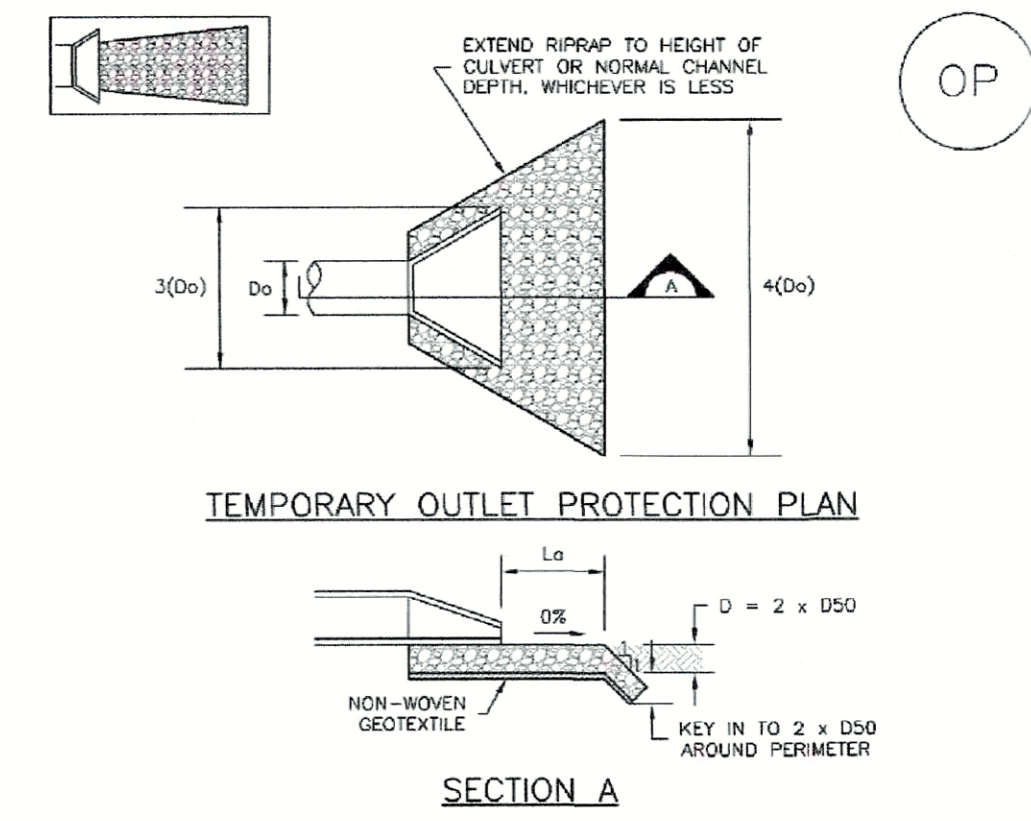


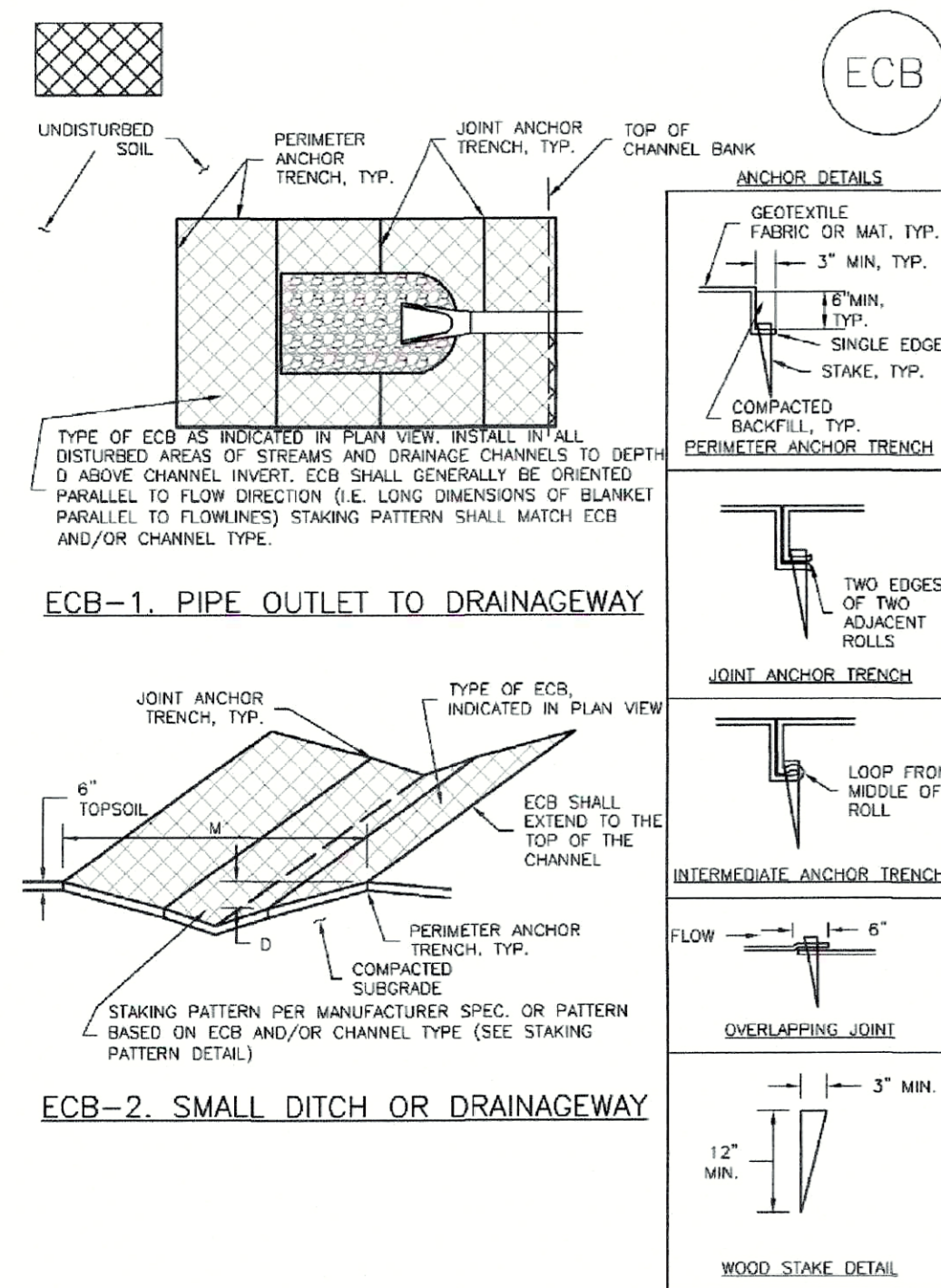
TABLE OP-1. TEMPORARY OUTLET PROTECTION SIZING TABLE

PIPE DIAMETER, Dp (INCHES)	DISCHARGE, Q (CFS)	APRON LENGTH, La (FT)	RIPRAP D50 DIAMETER (INCHES)
8	2.5	5	4
8	5	10	6
12	5	10	4
12	10	13	6
18	10	10	6
18	20	16	9
18	30	23	12
18	40	26	16
24	30	16	9
24	40	18	9
24	50	28	12
24	60	30	16

OP-1. TEMPORARY OUTLET PROTECTION

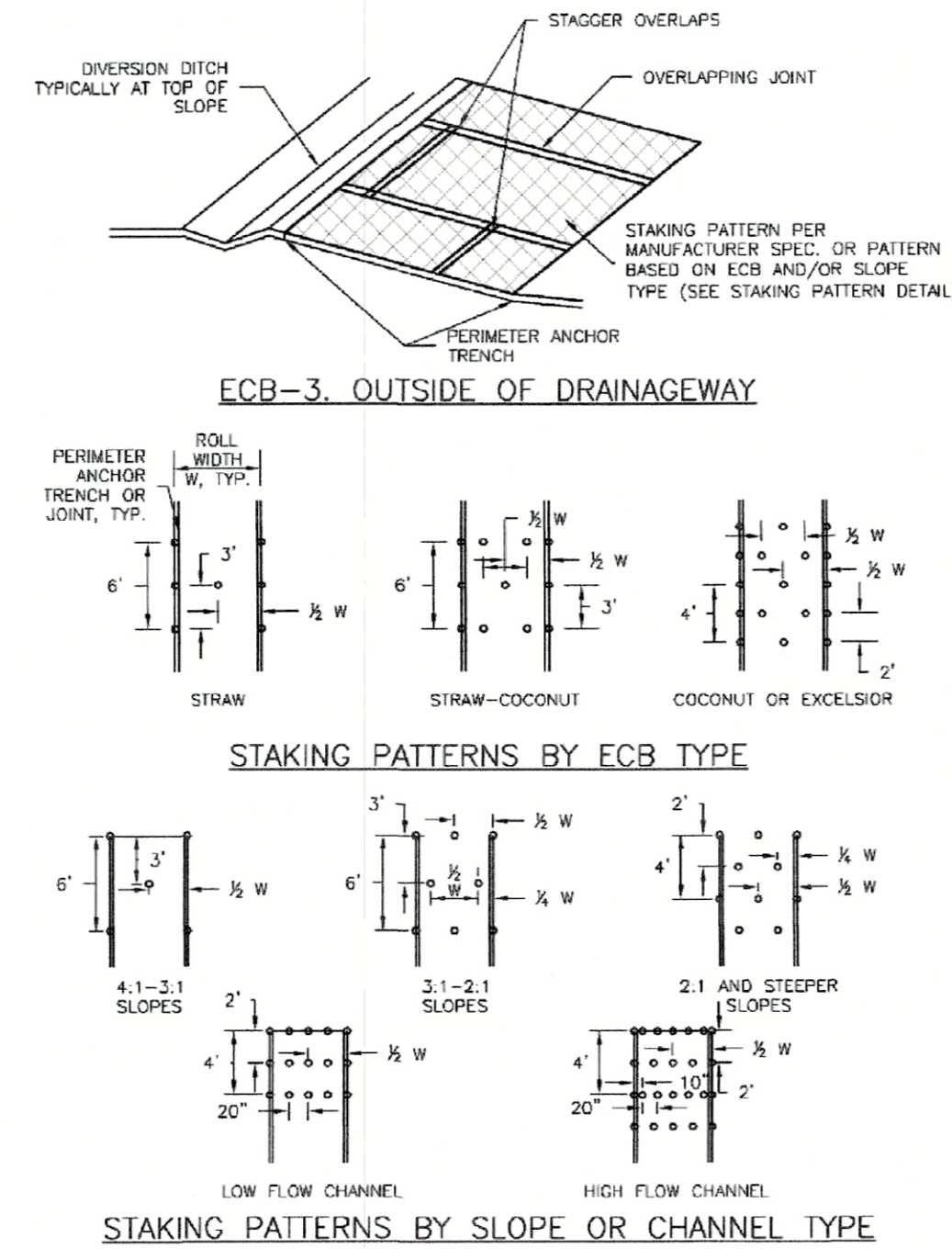
TOP-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-6 Rolled Erosion Control Products (RECP) EC-6



RECP-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-6 Rolled Erosion Control Products (RECP) EC-6



RECP-7 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-6 Rolled Erosion Control Products (RECP) EC-6

- EROSION CONTROL BLANKET INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF ECB.
 - TYPE OF ECB (STRAW, STRAW-COCONUT, COCONUT, OR EXCELSIOR).
 - AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.
 - 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
 - IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
 - PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
 - JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
 - INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.
 - OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.
 - MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB-1.
 - ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBs SHALL BE RESEEDED AND MULCHED.
 - DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB-1. ECB MATERIAL SPECIFICATIONS

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING*
STRAW	-	100%	-	DOUBLE/NATURAL
STRAW-COCONUT	30% MIN	70% MAX	-	DOUBLE/NATURAL
COCONUT	100%	-	-	DOUBLE/NATURAL
EXCELSIOR	-	-	100%	DOUBLE/NATURAL

*ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

RECP-8 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-6 Rolled Erosion Control Products (RECP) EC-6

- EROSION CONTROL BLANKET MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
 - ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE GROCED TO BE CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

RECP-9 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

ENGINEER'S STATEMENT

STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT

Mike Bramlett

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

DATE: 8/14/20

FOR AND ON BEHALF OF JR ENGINEERING, L.L.C.

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

PREPARED FOR
C&M PROPERTIES, LLC
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TAMLIN ROAD RV STORAGE
GRADING AND EROSION CONTROL DETAILS (CONT.)

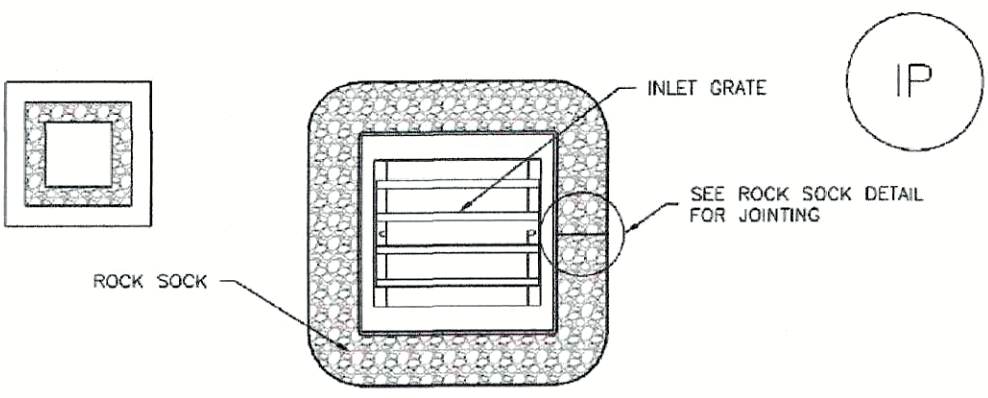
SHEET 8 OF 10
JOB NO. 25134.00

DATE: 8/14/20

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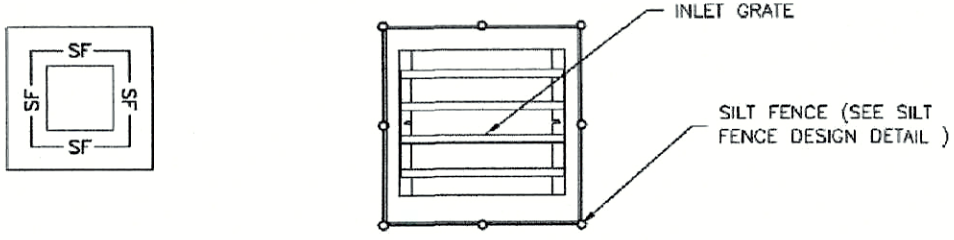
Inlet Protection (IP)

SC-6



IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES
1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. STRAW WATLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



IP-4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES
1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.
3. STRAW WATLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.

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Temporary and Permanent Seeding (TS/PS) EC-2

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes. If the area is irrigated, seeding may occur in summer months, as well. See Table TS/PS-3 for appropriate seeding dates.

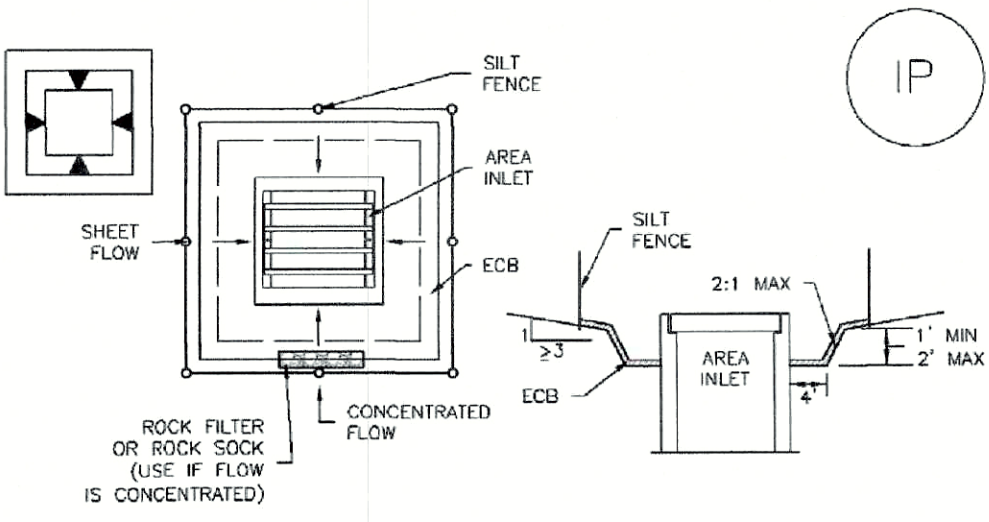
Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Table with 4 columns: Species* (Common name), Growth Season, Pounds of Pure Live Seed (PLS)/acre, Planting Depth (inches). Rows include Oats, Spring wheat, Spring barley, Annual ryegrass, Millet, Sudangrass, Sorghum, Winter wheat, Winter barley, Winter rye, Triticale, and various turf seed mixes.

June 2012 Urban Drainage and Flood Control District TS/PS-3
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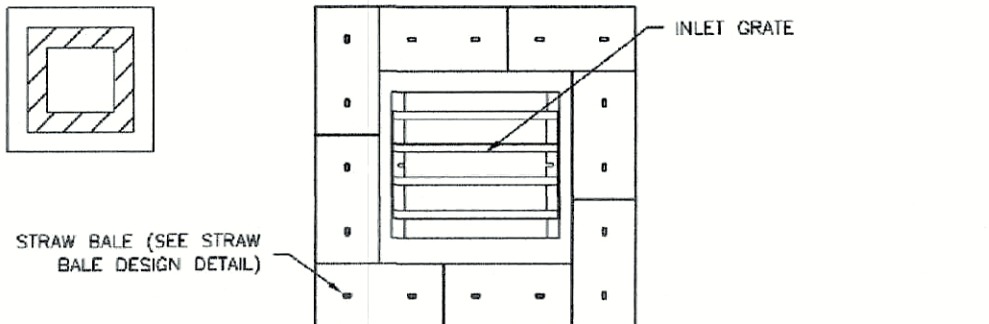
SC-6

Inlet Protection (IP)



IP-5. OVEREXCAVATION INLET PROTECTION

OVEREXCAVATION INLET PROTECTION INSTALLATION NOTES
1. THIS FORM OF INLET PROTECTION IS PRIMARILY APPLICABLE FOR SITES THAT HAVE NOT YET REACHED FINAL GRADE AND SHOULD BE USED ONLY FOR INLETS WITH A RELATIVELY SMALL CONTRIBUTING DRAINAGE AREA.
2. WHEN USING FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.
3. SEDIMENT MUST BE PERIODICALLY REMOVED FROM THE OVEREXCAVATED AREA.



IP-6. STRAW BALE FOR SUMP INLET PROTECTION

STRAW BALE BARRIER INLET PROTECTION INSTALLATION NOTES
1. SEE STRAW BALE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH ENDS OF BALES TIGHTLY ADJUTING ONE ANOTHER.

IP-6 Urban Drainage and Flood Control District August 2013
Urban Storm Drainage Criteria Manual Volume 3

EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses

Table with 6 columns: Common Name, Botanical Name, Growth Season, Growth Form, Seeds/Pound, Pounds of PLS/acre. Rows include Alkali Soil Seed Mix, Fertile Loamy Soil Seed Mix, High Water Table Soil Seed Mix, and Transition Turf Seed Mix.

TS/PS-4 Urban Drainage and Flood Control District June 2012
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SC-6

Inlet Protection (IP)

GENERAL INLET PROTECTION INSTALLATION NOTES
1. SEE PLAN VIEW FOR:
- LOCATION OF INLET PROTECTION.
- TYPE OF INLET PROTECTION (IP.1, IP.2, IP.3, IP.4, IP.5, IP.6)
2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.

INLET PROTECTION MAINTENANCE NOTES
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. LUDCO NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.
NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

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Temporary and Permanent Seeding (TS/PS) EC-2

Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses (cont.)

Table with 6 columns: Common Name, Botanical Name, Growth Season, Growth Form, Seeds/Pound, Pounds of PLS/acre. Rows include Sandy Soil Seed Mix, Heavy Clay, Rocky Foothill Seed Mix, and various other grass types.

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EC-4

Mulching (MU)

Clean, weed-free and seed-free cereal grain straw should be applied evenly at a rate of 2 tons per acre and must be tacked or fastened by a method suitable for the condition of the site. Straw mulch must be anchored (and not merely placed) on the surface. This can be accomplished mechanically by crimping or with the aid of tackifiers or nets. Anchoring with a crimping implement is preferred, and is the recommended method for areas flatter than 3:1. Mechanical crimpers must be capable of tucking the long mulch fibers into the soil to a depth of 3 inches without cutting them. An agricultural disk, while not an ideal substitute, may work if the disk blades are dull or blunted and set vertically; however, the frame may have to be weighted to afford proper soil penetration.

Grass hay may be used in place of straw; however, because hay is comprised of the entire plant including seed, mulching with hay may seed the site with non-native grass species which might in turn out-compete the native seed. Alternatively, native species of grass hay may be purchased, but can be difficult to find and are more expensive than straw. Purchasing and utilizing a certified weed-free straw is an easier and less costly mulching method. When using grass hay, follow the same guidelines as for straw (provided above).

On small areas sheltered from the wind and heavy runoff, spraying a tackifier on the mulch is satisfactory for holding it in place. For steep slopes and special situations where greater control is needed, erosion control blankets anchored with stakes should be used instead of mulch.
Hydraulic mulching consists of wood cellulose fibers mixed with water and a tackifying agent and should be applied at a rate of no less than 1,500 pounds per acre (1,425 lbs of fibers mixed with at least 75 lbs of tackifier) with a hydraulic mulcher. For steeper slopes, up to 2000 pounds per acre may be required for effective hydroseeding. Hydromulch typically requires up to 24 hours to dry; therefore, it should not be applied immediately prior to inclement weather. Application to roads, waterways and existing vegetation should be avoided.

Erosion control mats, blankets, or nets are recommended to help stabilize steep slopes (generally 3:1 and steeper) and waterways. Depending on the product, these may be used alone or in conjunction with grass or straw mulch. Normally, use of these products will be restricted to relatively small areas. Biodegradable mats made of straw and jute, straw-coconut, coconut fiber, or excelsior can be used instead of mulch. (See the ECM/TRM BMP for more information.)
Some tackifiers or binders may be used to anchor mulch. Check with the local jurisdiction for allowed tackifiers. Manufacturer's recommendations should be followed at all times. (See the Soil Binder BMP for more information on general types of tackifiers.)

Rock can also be used as mulch. It provides protection of exposed soils to wind and water erosion and allows infiltration of precipitation. An aggregate base course can be spread on disturbed areas for temporary or permanent stabilization. The rock mulch layer should be thick enough to provide full coverage of exposed soil on the area it is applied.

Maintenance and Removal
After mulching, the bare ground surface should not be more than 10 percent exposed. Reapply mulch, as needed, to cover bare areas.

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EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-3. Seeding Dates for Annual and Perennial Grasses

Table with 5 columns: Seeding Dates, Annual Grasses (Warm, Cool), Perennial Grasses (Warm, Cool). Rows include January 1-March 15, March 16-April 30, May 1-May 15, May 16-June 30, July 1-July 15, July 16-August 31, September 1-September 30, October 1-December 31.

Mulch
Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier. See the Mulching BMP Fact Sheet for additional guidance.

Maintenance and Removal
Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado. Reseed portions of the site that fail to germinate or remain bare after the first growing season.

Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

Protect seeded areas from construction equipment and vehicle access.

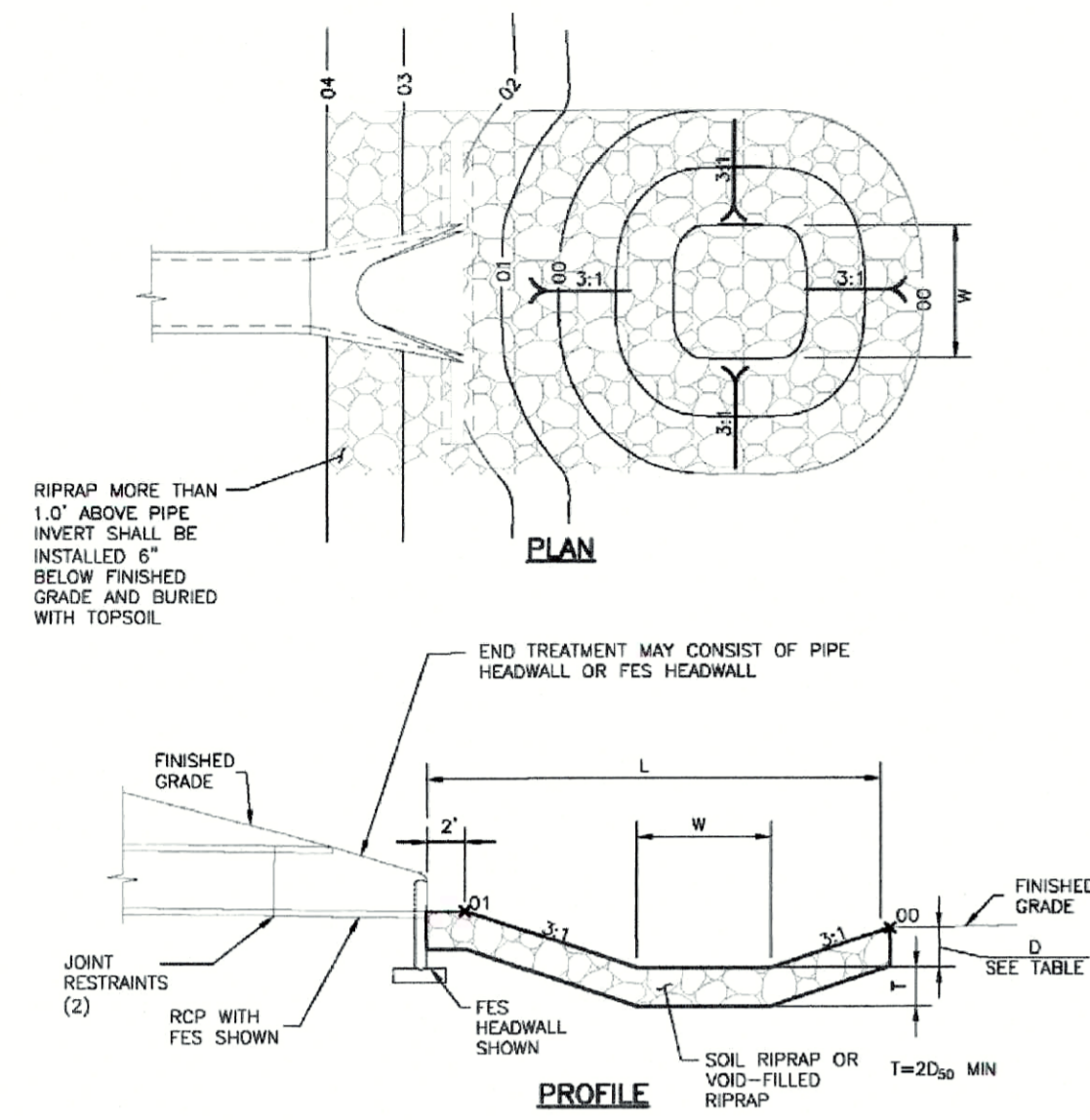
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VERTICAL text on the right side of the page, including 'UNLIT SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, JUR ENGINEERING APPROVES THE DRAWINGS DESIGNATED BY WRITTEN AUTHORIZATION.', 'C&M PROPERTIES, LLC', '12748 BAROSSA VALLEY ROAD', 'COLORADO SPRINGS, CO 80921', 'EDWARD MCDONALD', '719-210-9480', 'J.R. ENGINEERING', 'A Westman Company', 'Central 303-740-9393 • Colorado Springs 719-593-2593', 'Fort Collins 970-491-9888 • www.jrengineering.com'

Table with 4 columns: BY, DATE, REVISION, and a grid for tracking changes.

Vertical text on the far right side: 'TAMLIN ROAD RV STORAGE', 'GRADING AND EROSION CONTROL DETAILS (CONT.)', 'SHEET 9 OF 10', 'JOB NO. 25134.00'

ENGINEER'S STATEMENT: STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT. MIKE A. BRAMLETT, P.E. COLORADO P.E. 32314. DATE: 8/14/20




PIPE SIZE OR BOX HEIGHT	D	W*	L
18" - 24"	1'-0"	4'	15'
30" - 36"	1'-6"	6'	20'
42" - 48"	2'-0"	7'	24'
54" - 60"	2'-6"	8'	28'
66" - 72"	3'-0"	9'	32'

* IF OUTLET PIPE IS A BOX CULVERT WITH A WIDTH GREATER THAN W, THEN W = CULVERT WIDTH

Figure 9-37. Low tailwater riprap basin

ENGINEER'S STATEMENT

STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT


 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING, L.P.
 DATE: 8/14/20

TAMLIN ROAD RV STORAGE

STORM SEWER DETAILS

SHEET 10 OF 10

JOB NO. 25134.00

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	N/A	REVISION	BY	DATE
		07/14/20	NQJ	NQJ					


JR ENGINEERING
 A Westman Company
 Centennial 302-740-9883 • Colorado Springs 719-583-2888
 Fort Collins 970-491-8888 • www.jrengineering.com

PREPARED FOR
C&M PROPERTIES, LLC
 12748 BAROSSA VALLEY ROAD
 COLORADO SPRINGS, CO 80921
 EDWARD MCDONALD
 719-210-9480

UNTIL SUCH TIME AS
 THESE DRAWINGS ARE
 APPROVED BY THE
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 DESIGNATED BY WRITTEN
 AUTHORIZATION.