

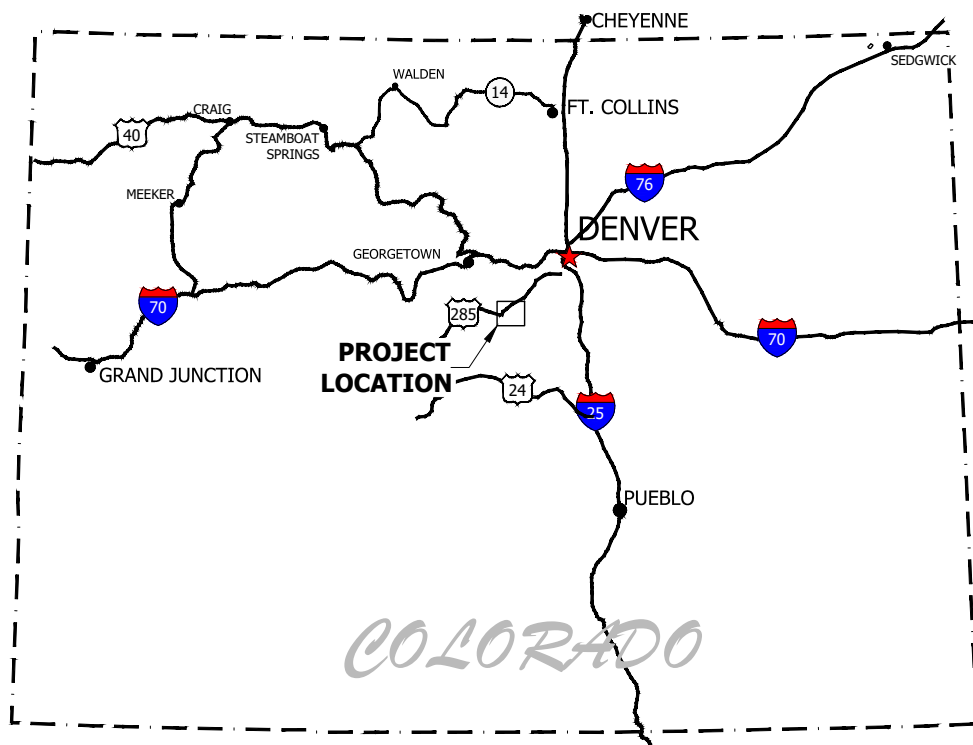
# REHABILITATION DESIGN BURLAND POND NO. 2

WATER DIVISION 1, WATER DISTRICT 80  
SECTION 23, T7S, R72W, 6TH P.M.  
PARK COUNTY, COLORADO

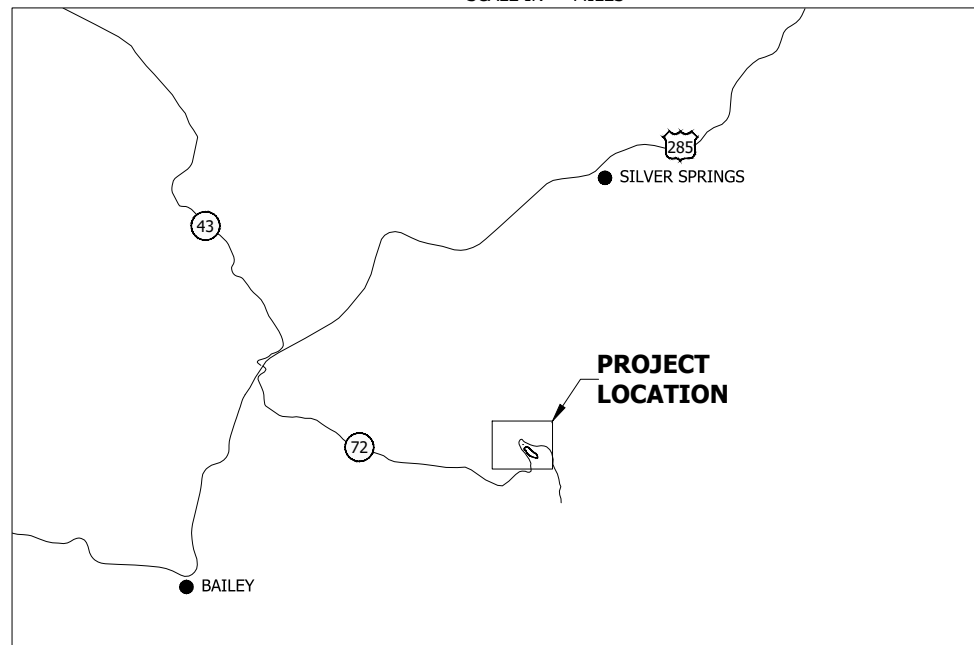
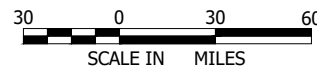
CONSTRUCTION FILE: NONE  
DAMID: 800144

PREPARED FOR:  
FIRE ADAPTED BAILEY

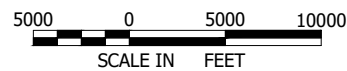
PREPARED BY:  
W. W. WHEELER AND ASSOCIATES, INC.



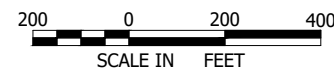
STATE MAP



PROJECT VICINITY MAP

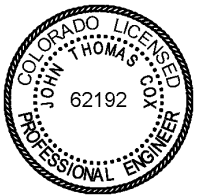


PROJECT LOCATION MAP



I HEREBY DECLARE THESE PLANS FOR THE CONSTRUCTION OF THE BURLAND POND NO. 2 REHABILITATION DESIGN WERE PREPARED UNDER MY DIRECT SUPERVISION.

JOHN THOMAS COX, P.E.  
COLORADO P.E. NO. 62192



THESE PLANS REPRESENT THE AS-CONSTRUCTED CONDITIONS OF THE BURLAND POND NO. 2 REHABILITATION DESIGN TO THE BEST OF OUR KNOWLEDGE AND JUDGMENT, BASED IN PART ON INFORMATION FURNISHED BY OTHERS AS OF THE \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

JOHN THOMAS COX, P.E.  
COLORADO P.E. NO. 62192

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NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

REFERENCE	SHEET NO.	DRAWING NO.	TITLE

APPROVED FOR CONSTRUCTION  
  
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
COVER SHEET  
VICINITY & PROJECT LOCATION MAPS

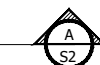



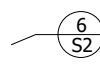







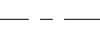














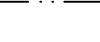
CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 1 of 15
CHECK	TSS	DRAWING NO. G-1
PLOT DATE		10/27/2025

**ABBREVIATIONS**

A.B. = ANCHOR BOLT	FS = FAR SIDE REINFORCING BAR	PVC = POLY VINYL CHLORIDE
ACB = ARTICULATED CONCRETE BLOCKS	GA = GAUGE	R = RADIUS
ADDL = ADDITIONAL	EL. = GALVANIZED	RCD = RIGHT CHIMNEY DRAIN
APPROX. = APPROXIMATELY	GR. = GRADE	REQD = REQUIRED
B.O.H. = BOTTOM OF HOLE	GRP = GLASSFIBER REINFORCED PLASTICS	REINF. = REINFORCEMENT
BF = BOTTOM FACE	H = HORIZONTAL	ROD = RIGHT OUTLET DRAIN
BL = BOTTOM LAYER	HDPE = HIGH DENSITY POLYETHYLENE	RTD = RIGHT TOE DRAIN
BM = BENCHMARK	H.R. = HAND RAIL	S = SLOPE
BR = BOTTOM ROW	HK. = HOOK	SCH. = SCHEDULE
BTWN = BETWEEN	HSS = HOLLOW STRUCTURAL SECTION	SDR = STANDARD DIMENSION RATIO
CFS = CUBIC FEET PER SECOND	I.D. = INSIDE DIAMETER	SECT. = SECTION
CI = CAST IRON	IF = INSIDE FACE	SEO = COLORADO DIVISION OF WATER RESOURCES, OFFICE OF THE STATE ENGINEER
CJ = CONSTRUCTION JOINT	INV. = INVERT	SIM. = SIMILAR
CLR. = CLEAR	IR = INSIDE ROW	SPC. = SPACE OR SPACES
CMP = CORRUGATED METAL PIPE	L <sub>d</sub> = DEVELOPMENT LENGTH	SPY. = SPILLWAY
CMU = CONCRETE MASONRY UNIT	LCD = LEFT CHIMNEY DRAIN	SQ. = SQUARE
CONC. = CONCRETE	LLV = LONG LEG VERTICAL	SS = STAINLESS STEEL
CP = CONTROL POINT	LOD = LEFT OUTLET DRAIN	STA. = STATION
CRJ = CONTROL JOINT	LTD = LEFT TOE DRAIN	STD = STANDARD
CTJ = CONTRACTION JOINT	MAX. = MAXIMUM	STL = STEEL
CTR. = CENTER OR CENTERS	MFR. = MANUFACTURER	SYM. = SYMMETRICAL
℄ = CENTERLINE	MIN. = MINIMUM	T.&B. = TOP AND BOTTOM
D = NORMAL DIAMETER OF	MJ = MECHANICAL JOINT	T.O. = TOP OF
DI = DUCTILE IRON	ML = MIDDLE LAYER	T.O.W. = TOP OF WALL
DIPS = DUCTILE IRON PIPE SIZE	MP = MONITORING POINT	TF = TOP FACE
DR = DIMENSION RATIO	MR = MIDDLE ROW	THK = THICK
D/S = DOWNSTREAM	N. = NORTHING OR NORTH	THRD = THREADED
DIA. = DIAMETER	NO. = NUMBER	TL = TOP LAYER
DEMO = DEMOLISH	NAVD = NORTH AMERICAN VERTICAL DATUM	TR = TOP ROW OF REINFORCING BAR
DET. = DETAIL	NGVD = NATIONAL GEODETIC VERTICAL DATUM	TYP. = TYPICAL
DIAG. = DIAGONAL	NHWL = NORMAL HIGH WATER LINE	U.N.O. = UNLESS NOTED OTHERWISE
DWG. = DRAWING	N.T.S. = NOT TO SCALE	U/S = UPSTREAM
DWL. = DWEL	NF = NEAR FACE	UV = UNIFORMLY VARYING
E. = EASTING	NR = NEAR ROW EQ.	V = VERTICAL
EA. = EACH	NS = NEAR SIDE	VCP = VITRIFIED CLAY PIPE
EC = EACH CORNER LENGTHS OF BARS	O.C. = ON CENTER	W = WIDE FLANGE STRUCTURAL BEAM
EF = EACH FACE	O.D. = OUTSIDE DIAMETER	W/ = WITH
EJ = EXPANSION JOINT	O.H.P. = OVER HEAD POWER	W/O = WITHOUT
EL = ELEVATION (IN FEET)	OF = OUTSIDE FACE	WP = WORK POINT
ELL = HDPE ELBOW	OPP = OPPOSITE	W.S. = WATER SURFACE
EMBED = EMBEDDED/EMBEDMENT	OR = OUTSIDE ROW	W.S.A. = WATER STOP TYPE A
EQ. SPC. = EQUALLY SPACED OR EQUAL SPACES	PC = POINT OF CURVATURE	WSP = WELDED STEEL PIPE
ER = EACH ROW	P.D. = PLAIN DOWELS	WTP = WATER TREATMENT PLANT
ES = EACH SIDE	P.I. = POINT OF INTERSECTION	
EW = EACH WAY	P.R.C. = POINT OF REVERSE CURVATURE	
EXIST = EXISTING	PT = POINT OF TANGENCY	
F.G. = FINAL GRADE	PE = PLAIN END	
FF = FAR FACE	℄ = PLATE	
FIN. = FINISH	PLCS = PLACES	
FLG = FLANGE	PROJ = PROJECTION	
FR = FAR ROW		

DRAWING INDEX		
SHEET NO.	DRAWING NO.	DRAWING TITLE
1	G-1	COVER SHEET - VICINITY & PROJECT LOCATION MAPS
2	G-2	DRAWING INDEX, ABBREVIATIONS AND LEGEND
3	G-3	CAPACITY CURVES
4	G-4	PLAN OF EXISTING CONDITIONS
5	C-1	PLAN OF MODIFICATIONS
6	C-2	EXCAVATION - PLAN AND PROFILE
7	C-3	DAM CREST - PLAN AND PROFILE
8	C-4	DAM CREST - SECTIONS
9	C-5	OUTLET WORKS - PLAN AND PROFILE
10	C-6	OUTLET WORKS MANHOLE - PLAN AND SECTIONS
11	C-7	TOE DRAIN - PLAN, PROFILE, AND DETAILS
13	C-8	TOE DRAIN AND FILTER DIAPHRAGM - SECTIONS AND DETAILS
12	C-9	EMERGENCY SPILLWAY BERM - PLAN, PROFILE, AND SECTION
14	C-10	DRY HYDRANT - DETAILS
15	C-11	TRASH RACK - DETAIL AND SECTION

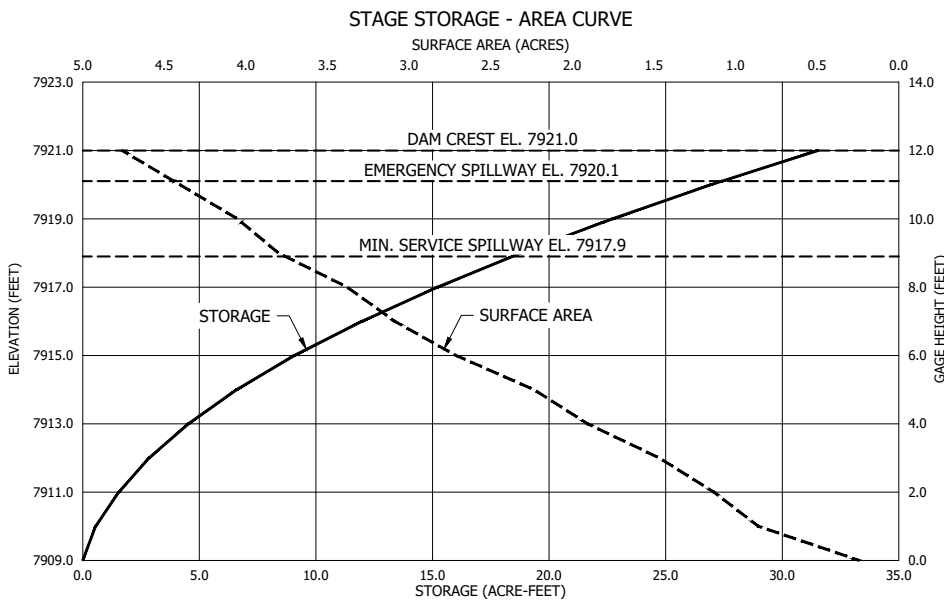
**LEGEND**

	INDICATES CROSS SECTION LOCATION. "A" REFERS TO CROSS SECTION DESIGNATION. THE NUMBER "S2" REFERS TO THE SHEET NUMBER WHERE THE SECTION IS SHOWN.		NORTH ARROW		AGGREGATE BASE COURSE		STEEL
	INDICATES DETAIL LOCATION. THE NUMBER 6 REFERS TO THE DETAIL DESIGNATION. THE NUMBER S2 REFERS TO THE SHEET NUMBER WHERE THE DETAIL IS SHOWN.		CONTROL POINT		GENERAL FILL		EMBANKMENT FILL
	BEDROCK		NEW CONCRETE		DRAIN GRAVEL		RIPRAP
	CENTERLINE		EXISTING CONCRETE		NATURAL GROUND		BACKFILL CONCRETE
	MAJOR 5 FT CONTOUR INTERVAL WITH ELEVATION IN FEET		CUT SLOPE		FILTER SAND		GROUT
	MINOR 1 FT CONTOUR INTERVAL		FILL SLOPE				
	STRUCTURAL SLOPE		PROPERTY BOUNDARY				
	APPROX. WATER LIMITS		WETLANDS LIMITS				
	UTILITY EASEMENT		LIMITS OF CONSTRUCTION				

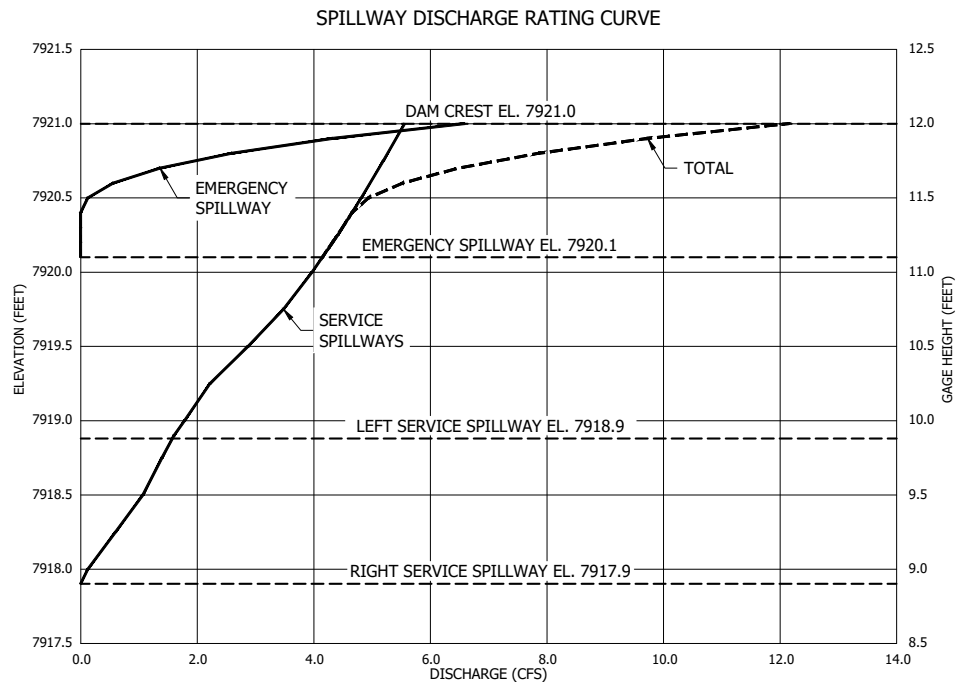
FOR BURIED UTILITY INFORMATION  
**CALL 811**  
**TWO BUSINESS DAYS**  
**BEFORE YOU DIG**  
 UTILITY NOTIFICATION CENTER  
 OF COLORADO (UNCC) OR  
 COMMON GROUND ALLIANCE (CGA)

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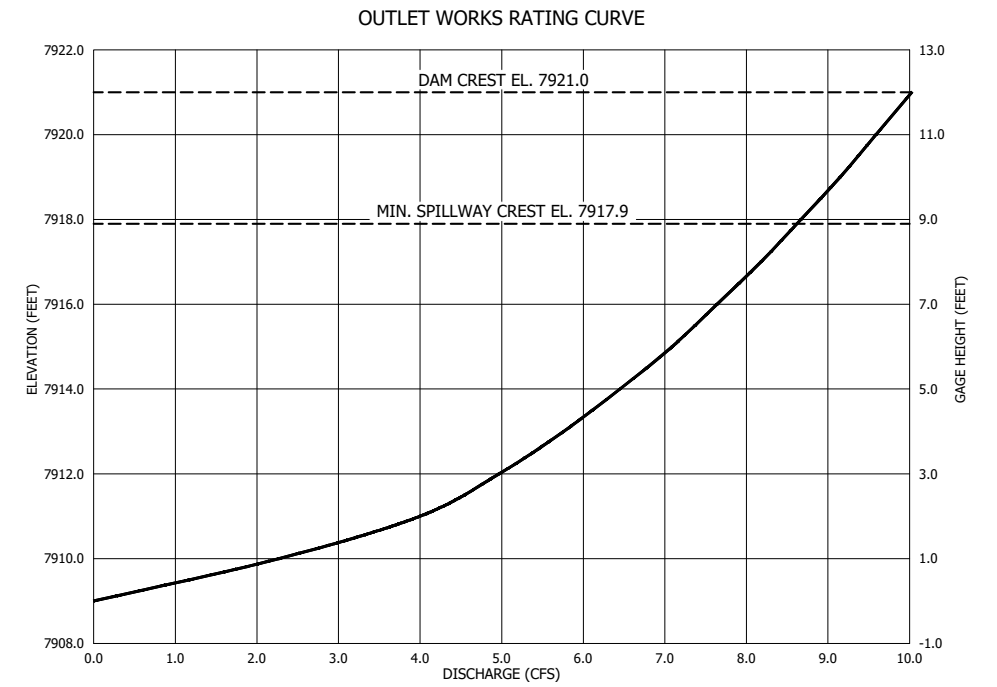
NO.	DATE	MADE	CHECKED	REMARKS	SHEET NO.	DRAWING NO.	TITLE	APPROVED FOR CONSTRUCTION	THIS DRAWING TOGETHER WITH ITS PARENT ELECTRONIC MEDIA FILE IS THE PROPERTY OF W. W. WHEELER & ASSOCIATES, UNLESS OTHERWISE EXCEPTED, OR SUPERSEDED BY WRITTEN AGREEMENT WITH THE CLIENT LISTED IN THE TITLE BLOCK. IT IS FURNISHED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE REPRODUCED, COPIED, NOR USED FOR ANY OTHER PURPOSE THAN FOR WHICH IT IS SPECIFICALLY FURNISHED WITHOUT THE PRIOR WRITTEN CONSENT OF SAID W. W. WHEELER & ASSOCIATES.	W. W. WHEELER & ASSOCIATES, INC Water Resources & Geotechnical Engineers 3700 S. INDA STREET   ENGLEWOOD, CO 80110-3405 303-761-4130	BURLAND POND NO. 2 REHABILITATION DESIGN DRAWING INDEX, ABBREVIATIONS AND LEGEND	CLIENT FIRE ADAPTED BAILEY DESIGN: JTC DRAWN: SAA CHECK: TSS PLOT DATE: 10/27/2025 WHEELER NO.: 1923.01.00 SHEET NO.: 2 of 15 DRAWING NO.: G-2
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION				ALL SEALS FOR THIS DRAWING SET ARE APPLIED TO THE COVER PAGE.				



STAGE STORAGE RATING TABLE				
ELEVATION	GAGE HEIGHT	CONTOUR AREA	CUMULATIVE VOLUME	NOTES
(FT)	(FT)	(AC)	(AC-FT)	
7909.0	0.0	0.2	0.0	GATE INVERT
7910.0	1.0	0.9	0.6	
7911.0	2.0	1.1	1.5	
7912.0	3.0	1.5	2.8	
7913.0	4.0	1.9	4.5	
7914.0	5.0	2.2	6.6	
7915.0	6.0	2.7	9.1	
7916.0	7.0	3.1	12.0	
7917.0	8.0	3.4	15.2	
7917.9	8.9	3.8	18.4	RIGHT SERVICE SPILLWAY
7918.0	9.0	3.8	18.8	
7918.9	9.9	4.0	22.3	LEFT SERVICE SPILLWAY
7919.0	10.0	4.1	22.7	
7920.0	11.0	4.4	27.0	
7920.1	11.1	4.4	27.4	EMERGENCY SPILLWAY
7921.0	12.0	4.8	31.6	DAM CREST



SPILLWAY DISCHARGE RATING TABLE					
ELEVATION	GAGE HEIGHT	SERVICE SPILLWAY	EMERGENCY SPILLWAY	TOTAL DISCHARGE	NOTES
(FT)	(FT)	(CFS)	(CFS)	(CFS)	
7917.90	8.90	0.0	0.0	0.0	RIGHT SERVICE SPILLWAY
7918.00	9.00	0.1	0.0	0.1	
7918.25	9.25	0.6	0.0	0.6	
7918.50	9.50	1.1	0.0	1.1	
7918.75	9.75	1.4	0.0	1.4	
7918.90	9.90	1.6	0.0	1.6	LEFT SERVICE SPILLWAY
7919.00	10.00	1.8	0.0	1.8	
7919.25	10.25	2.2	0.0	2.2	
7919.50	10.50	2.9	0.0	2.9	
7919.75	10.75	3.5	0.0	3.5	
7920.00	11.00	4.0	0.0	4.0	
7920.10	11.10	4.1	0.0	4.1	EMERGENCY SPILLWAY
7920.25	11.25	4.4	0.0	4.4	
7920.50	11.50	4.8	0.1	4.9	
7920.75	11.75	5.2	2.0	7.2	
7921.00	12.00	5.6	6.6	12.2	DAM CREST



OUTLET WORKS RATING TABLE			
ELEVATION	GAGE HEIGHT	DISCHARGE	NOTES
(FT)	(FT)	(CFS)	
7909.0	0.0	0.0	GATE INVERT
7910.0	1.0	2.3	
7911.0	2.0	4.0	
7912.0	3.0	5.0	
7913.0	4.0	5.8	
7914.0	5.0	6.5	
7915.0	6.0	7.1	
7916.0	7.0	7.6	
7917.0	8.0	8.2	
7918.0	9.0	8.7	
7919.0	10.0	9.2	
7920.0	11.0	9.6	
7921.0	12.0	10.0	DAM CREST

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REFERENCE	SHEET NO.	DRAWING NO.	TITLE

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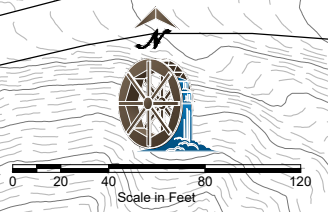
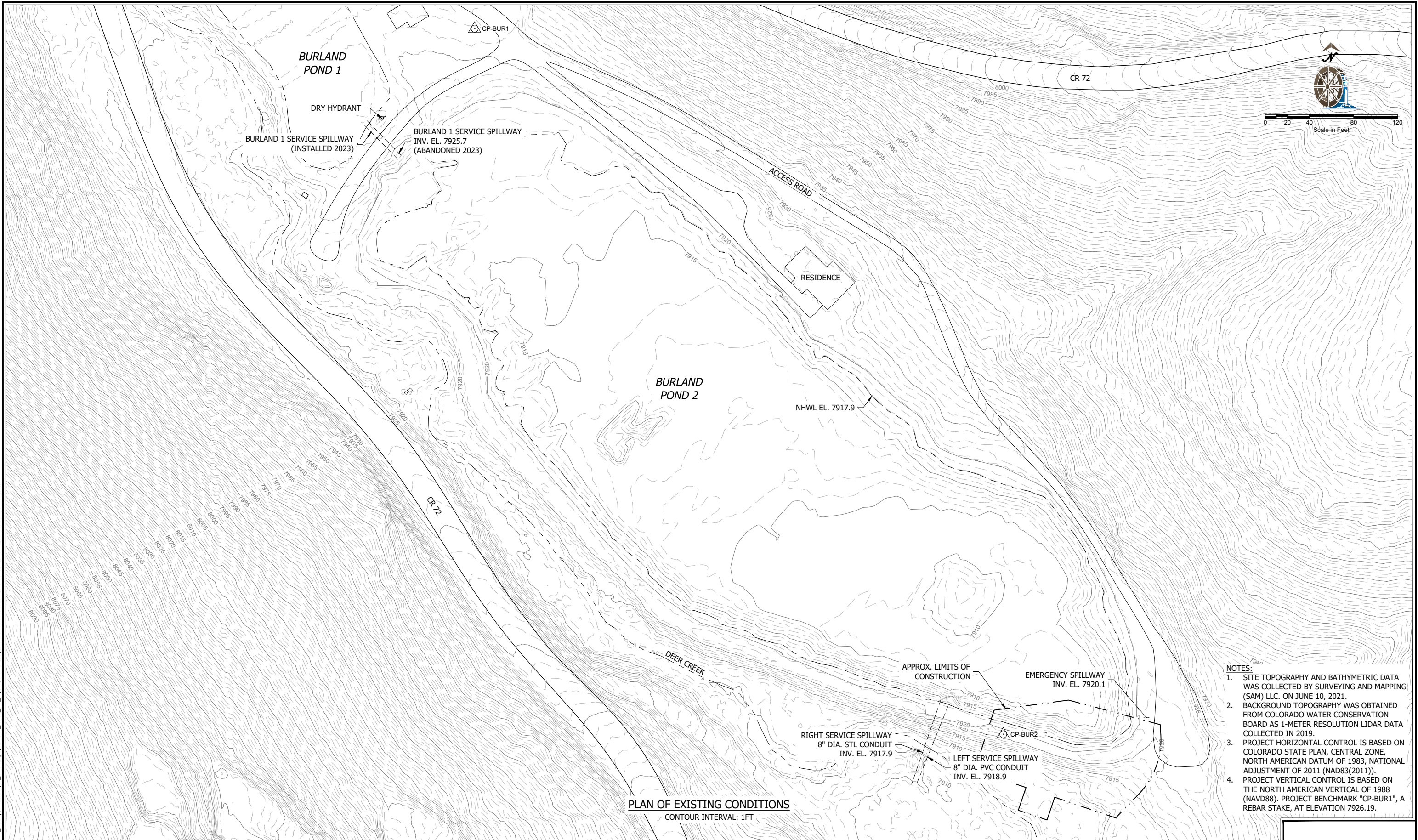
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
CAPACITY CURVES

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 3 of 15
CHECK	TSS	DRAWING NO. G-3
PLOT DATE	10/27/2025	

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- NOTES:**
1. SITE TOPOGRAPHY AND BATHYMETRIC DATA WAS COLLECTED BY SURVEYING AND MAPPING (SAM) LLC. ON JUNE 10, 2021.
  2. BACKGROUND TOPOGRAPHY WAS OBTAINED FROM COLORADO WATER CONSERVATION BOARD AS 1-METER RESOLUTION LIDAR DATA COLLECTED IN 2019.
  3. PROJECT HORIZONTAL CONTROL IS BASED ON COLORADO STATE PLAN, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983, NATIONAL ADJUSTMENT OF 2011 (NAD83(2011)).
  4. PROJECT VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL OF 1988 (NAVD88). PROJECT BENCHMARK "CP-BUR1", A REBAR STAKE, AT ELEVATION 7926.19.

**PLAN OF EXISTING CONDITIONS**  
CONTOUR INTERVAL: 1FT

NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

REFERENCE	SHEET NO.	DRAWING NO.	TITLE

**APPROVED FOR CONSTRUCTION**  
  
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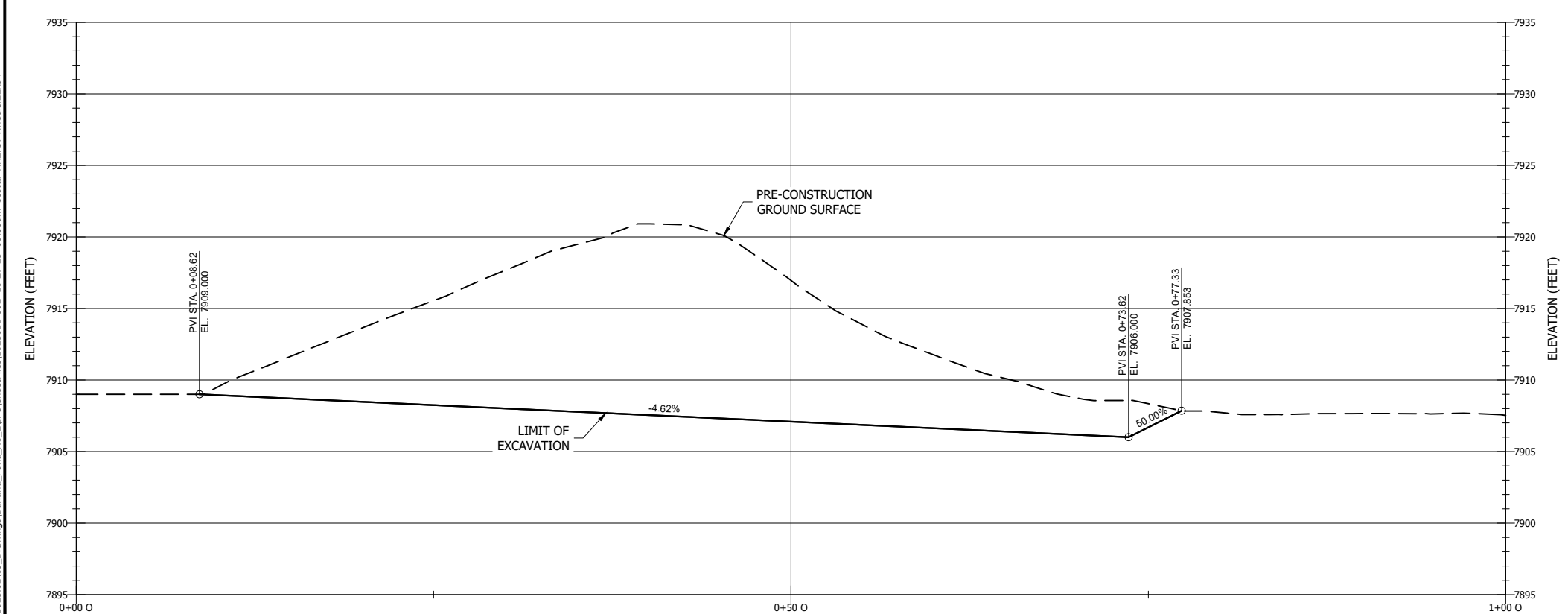
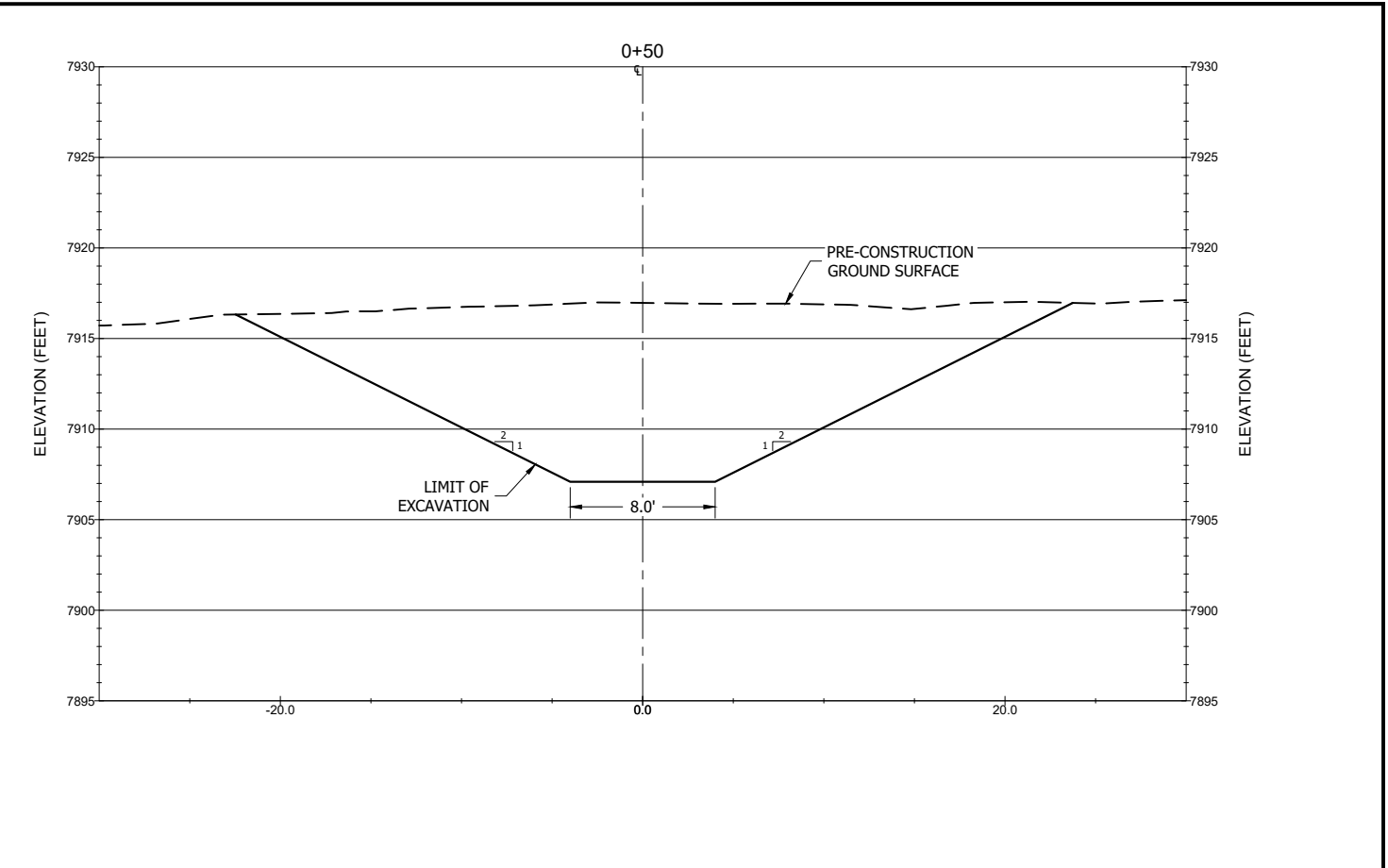
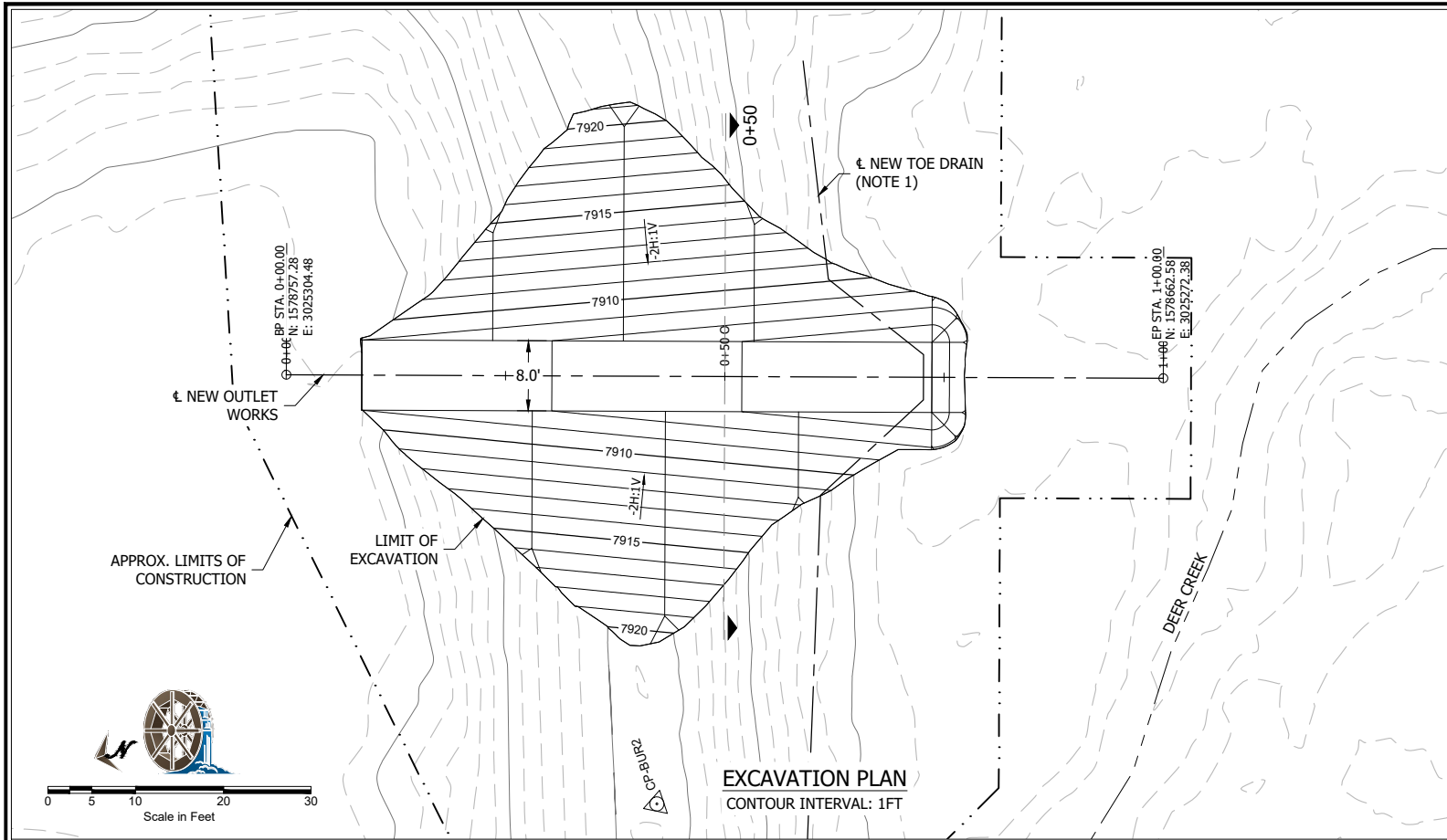
3700 S. INDA STREET | ENGLEWOOD, CO 80110-3405  
303-761-4130

**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
PLAN OF EXISTING  
CONDITIONS

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 4 of 15
CHECK	TSS	DRAWING NO. G-4
PLOT DATE	10/27/2025	



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PROFILE VIEW OF BURLAND 2 OUTLET WORKS EXCAVATION

NOTES:  
1. EXCAVATION FOR TOE DRAIN CONSTRUCTION NOT SHOWN FOR CLARITY.

NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

REFERENCE	SHEET NO.	DRAWING NO.	TITLE

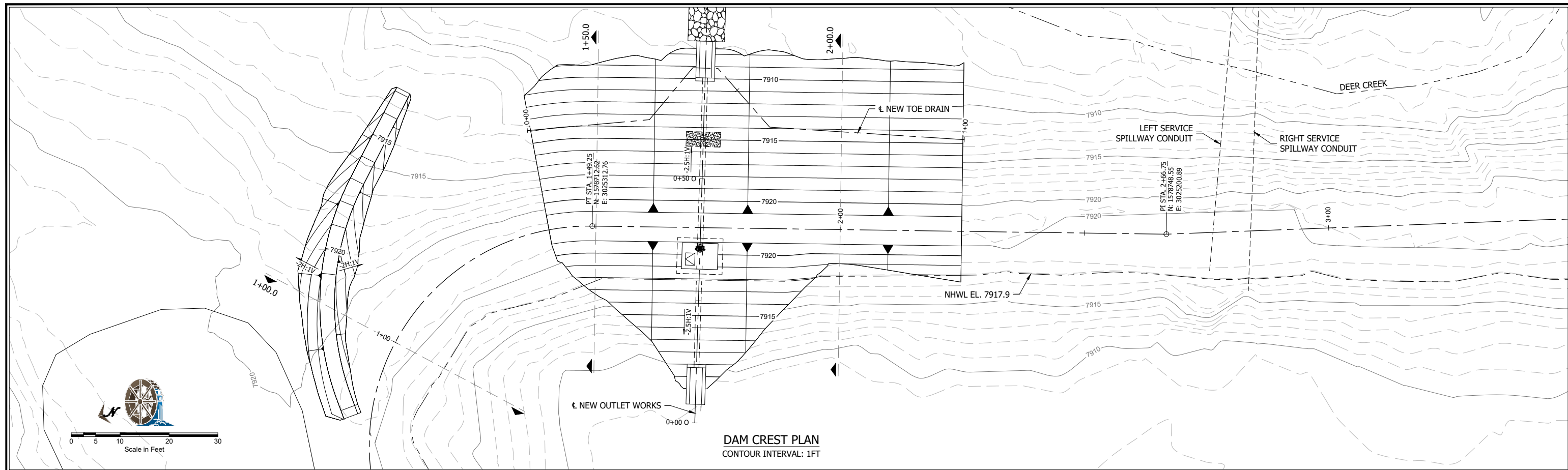
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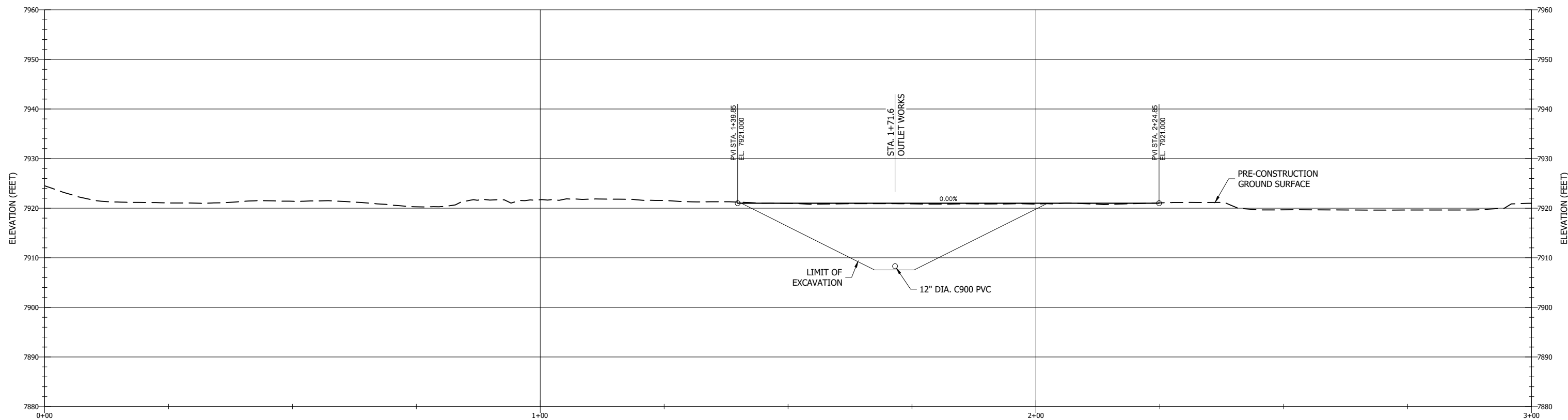


**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
EXCAVATION  
PLAN AND PROFILE

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 6 of 15
CHECK	TSS	DRAWING NO. C-2
PLOT DATE 10/27/2025		



**DAM CREST PLAN**  
CONTOUR INTERVAL: 1FT



**PROFILE VIEW OF BURLAND 2 DAM CREST**

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NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

REFERENCE	SHEET NO.	DRAWING NO.	TITLE

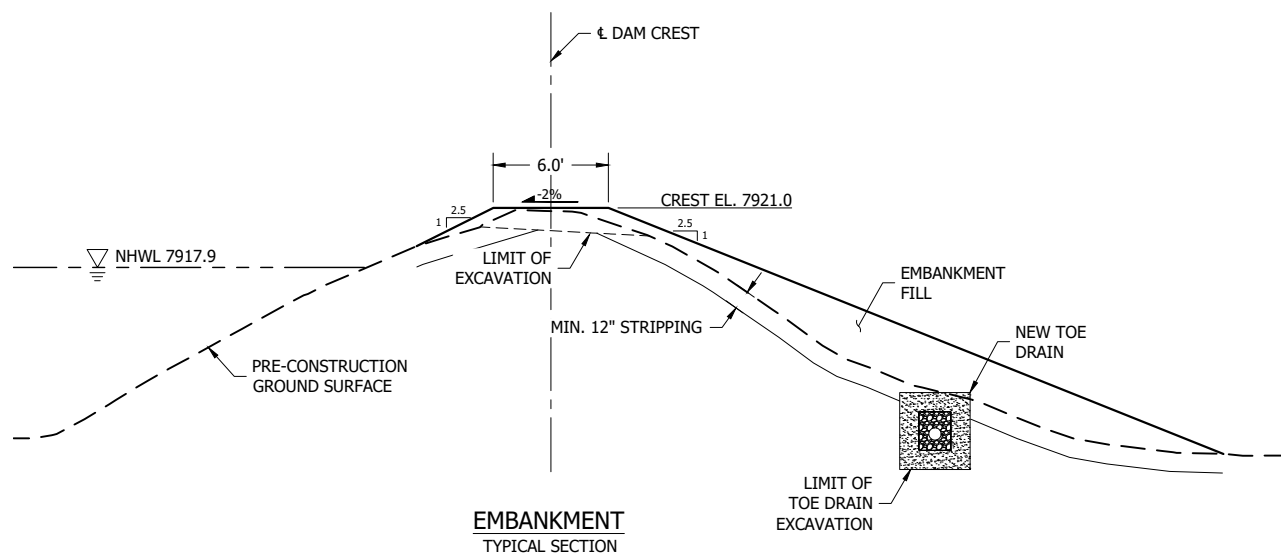
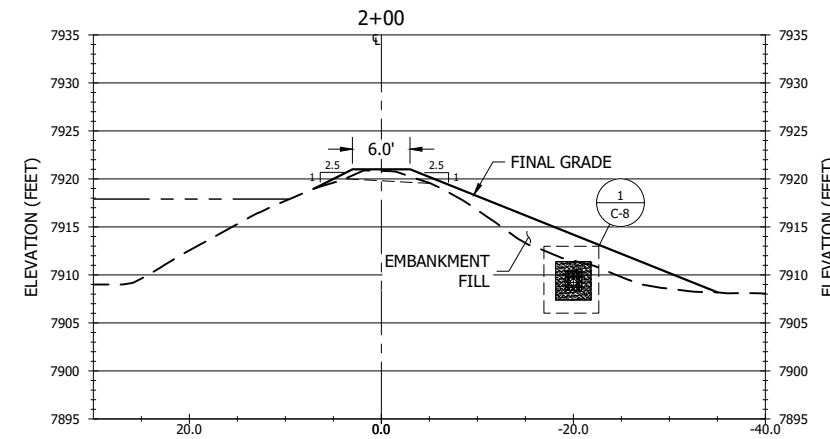
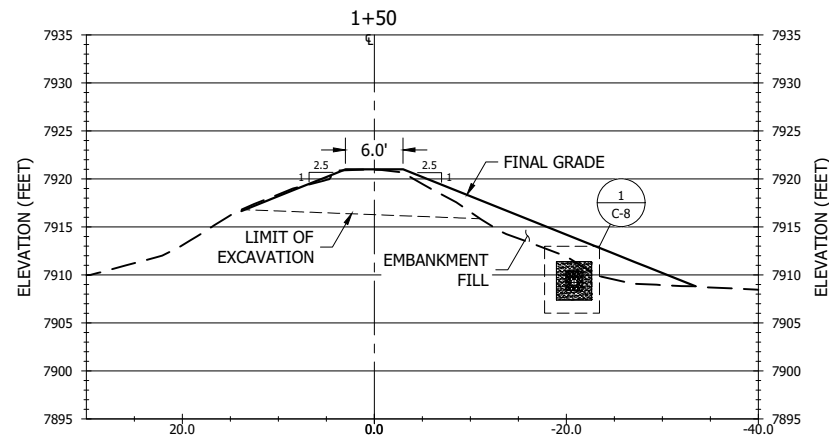
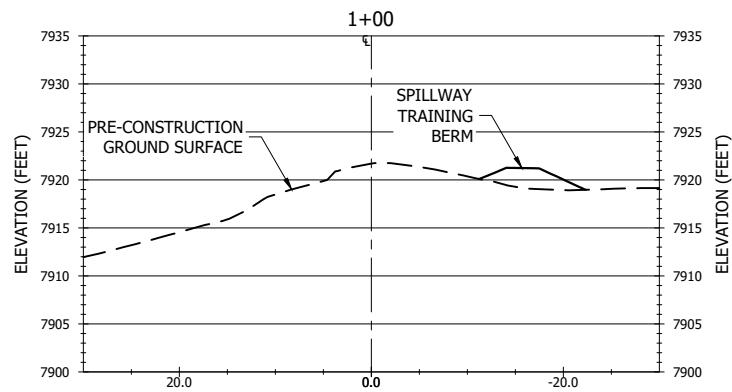
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
DAM CREST  
PLAN AND PROFILE

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 7 of 15
CHECK	TSS	DRAWING NO. C-3
PLOT DATE 10/27/2025		

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NO.	DATE	MADE	CHECKED	REMARKS
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REFERENCE	SHEET NO.	DRAWING NO.	TITLE

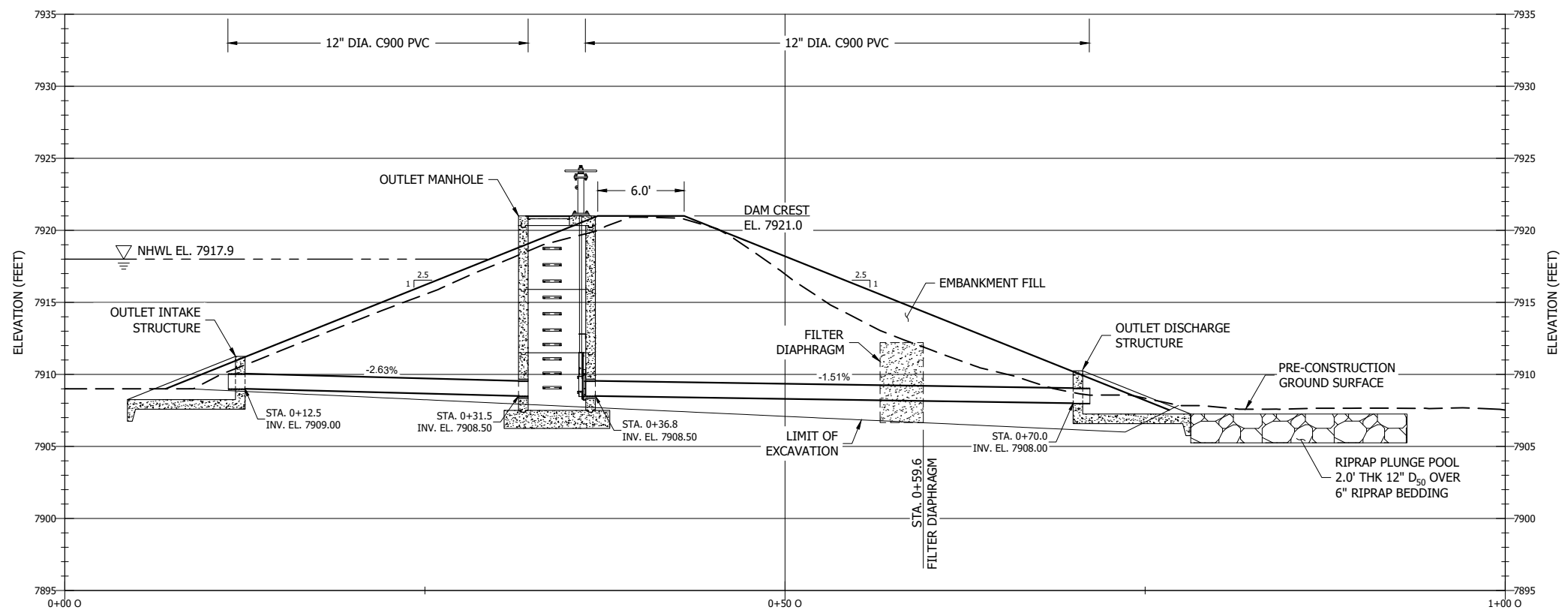
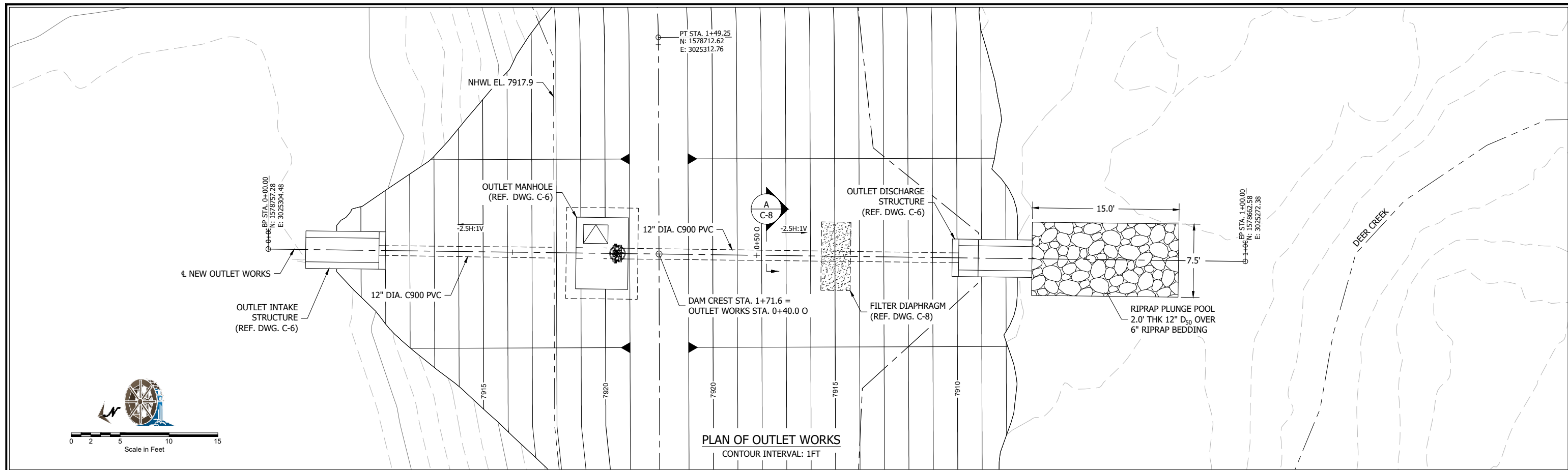
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
DAM CREST  
SECTIONS

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 8 of 15
CHECK	TSS	DRAWING NO. C-4
PLOT DATE	10/27/2025	



- NOTES:**
- ENGINEER TO INSPECT SUBGRADE PRIOR TO PLACEMENT OF EMBANKMENT FILL.
  - CONCRETE CRADLE NOT SHOWN FOR CLARITY.

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NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

REFERENCE	SHEET NO.	DRAWING NO.	TITLE

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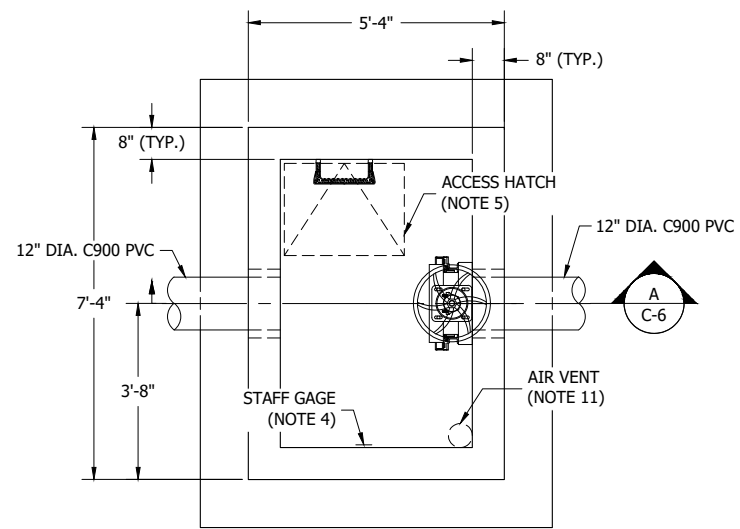
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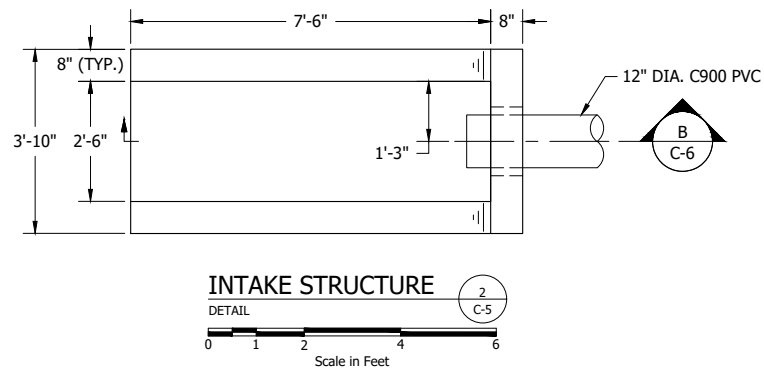
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Water Resources & Geotechnical Engineers  
3700 S. INDA STREET | ENGLEWOOD, CO 80110-3405  
303-761-4130

**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
OUTLET WORKS  
PLAN AND PROFILE

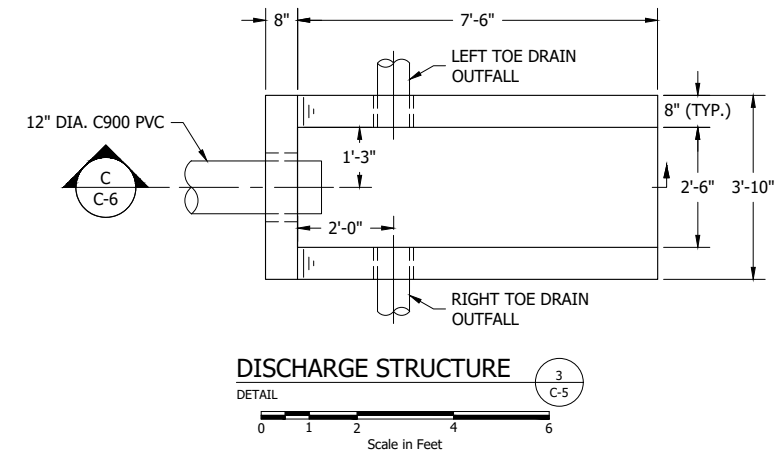
CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 9 of 15
CHECK	TSS	DRAWING NO. C-5
PLOT DATE		10/27/2025



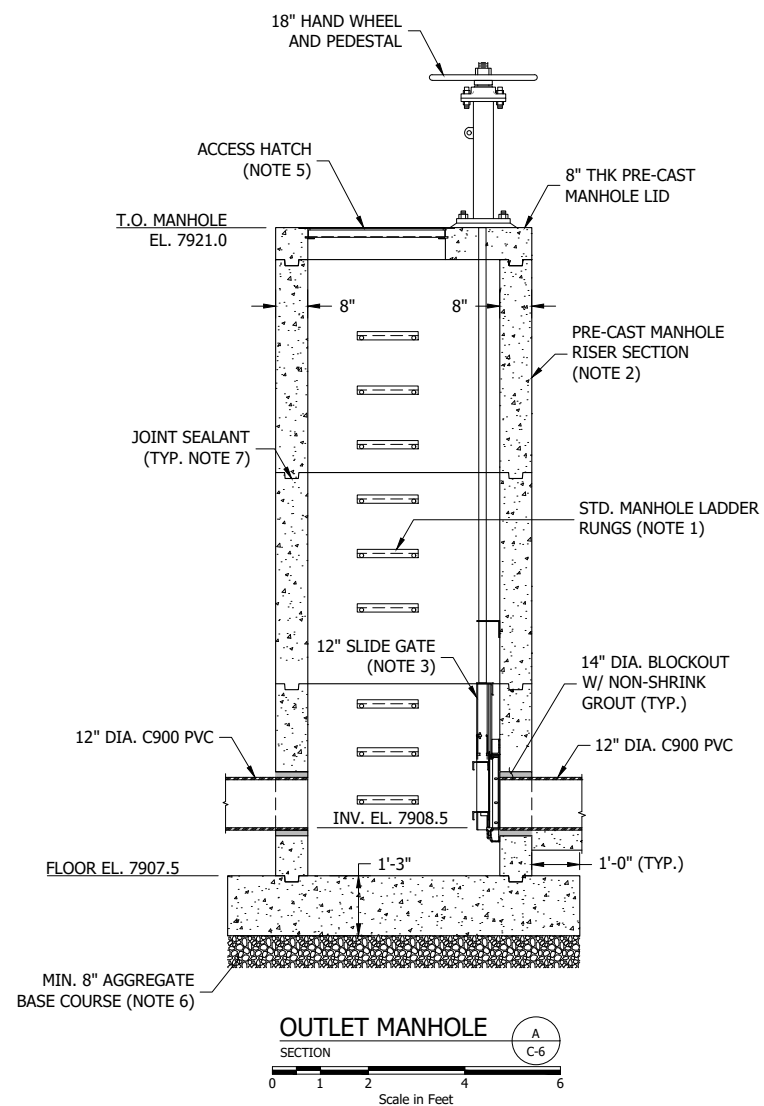
**OUTLET MANHOLE**  
DETAIL  
1  
C-5  
Scale in Feet



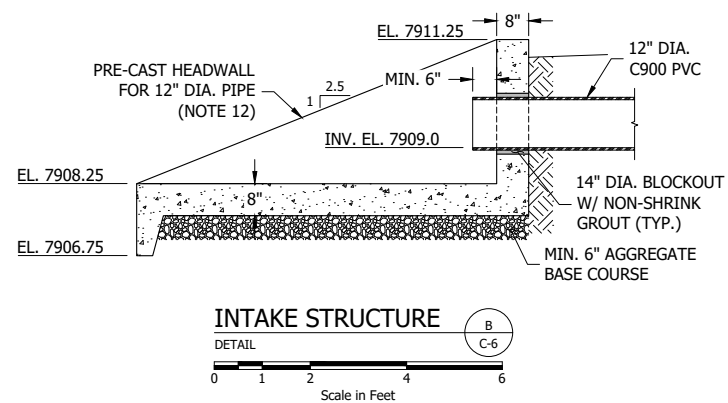
**INTAKE STRUCTURE**  
DETAIL  
2  
C-5  
Scale in Feet



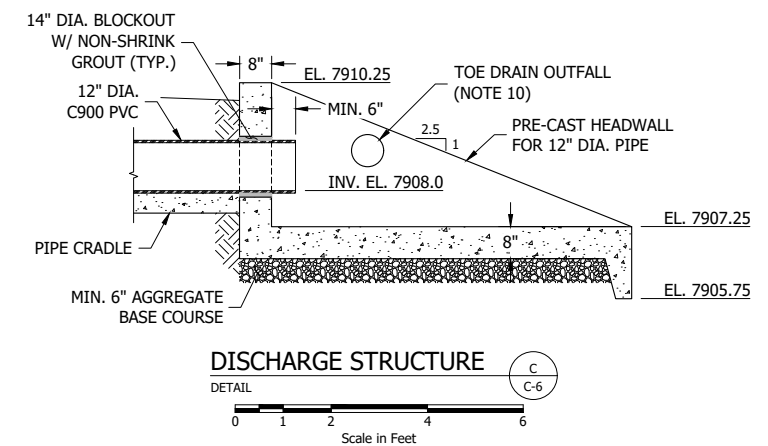
**DISCHARGE STRUCTURE**  
DETAIL  
3  
C-5  
Scale in Feet



**OUTLET MANHOLE**  
SECTION  
A  
C-6  
Scale in Feet



**INTAKE STRUCTURE**  
DETAIL  
B  
C-6  
Scale in Feet



**DISCHARGE STRUCTURE**  
DETAIL  
C  
C-6  
Scale in Feet

- NOTES:**
- LADDER RUNGS SIZE AND SPACING PER MANUFACTURER'S SPECIFICATIONS.
  - HEIGHT OF RISERS PER MANUFACTURER'S RECOMMENDATIONS.
  - SLIDE GATE SHALL BE MOUNTED TO BAFFLE WALL PER MANUFACTURER'S INSTRUCTIONS.
  - STAFF GAGE SHALL BE STEVENS STYLE C. MOUNT TO INTERIOR MANHOLE WALL PER MANUFACTURER'S INSTRUCTIONS. GAGE HEIGHT 0 = EL. 7908.5
  - ACCESS HATCH SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.
  - NATIVE UNDISTURBED OR RE-COMPACTED SOIL BELOW AGGREGATE WITH MINIMUM SBP OF 2,500 PSF. VERIFY BY GEOTECH ONSITE.
  - DRY PACK GROUT PLACED OVER HYDROPHOLIC SEALANT INJECTED INTO ALL INTERIOR JOINTS.
  - CONCRETE CRADLE SHALL CRADLE ENTIRE LENGTH OF OUTLET PIPE.
  - CONTRACTOR SHALL ANCHOR PIPE TO PREVENT DISTURBANCE, MOVEMENT, OR FLOTATION DURING CONCRETE PLACEMENT.
  - LEFT AND RIGHT TOE DRAIN OUTFALL INVERT ELEVATIONS = 7908.5. DRAINS IN 8" DIAMETER BLOCKOUT WITH NON-SHRINK GROUT.
  - INSTALL 6-INCH DIAMETER AIR VENT PENETRATION IN MANHOLE LID. LOCATE VENT PER MANUFACTURER'S INSTRUCTIONS. AFFIX VENT WITH 1/4" MESH RODENT SCREEN.
  - INTAKE STRUCTURE TRASH RACK NOT SHOWN FOR CLARITY (REF. DWG. C-11).

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NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

NO.	DATE	MADE	CHECKED	REMARKS

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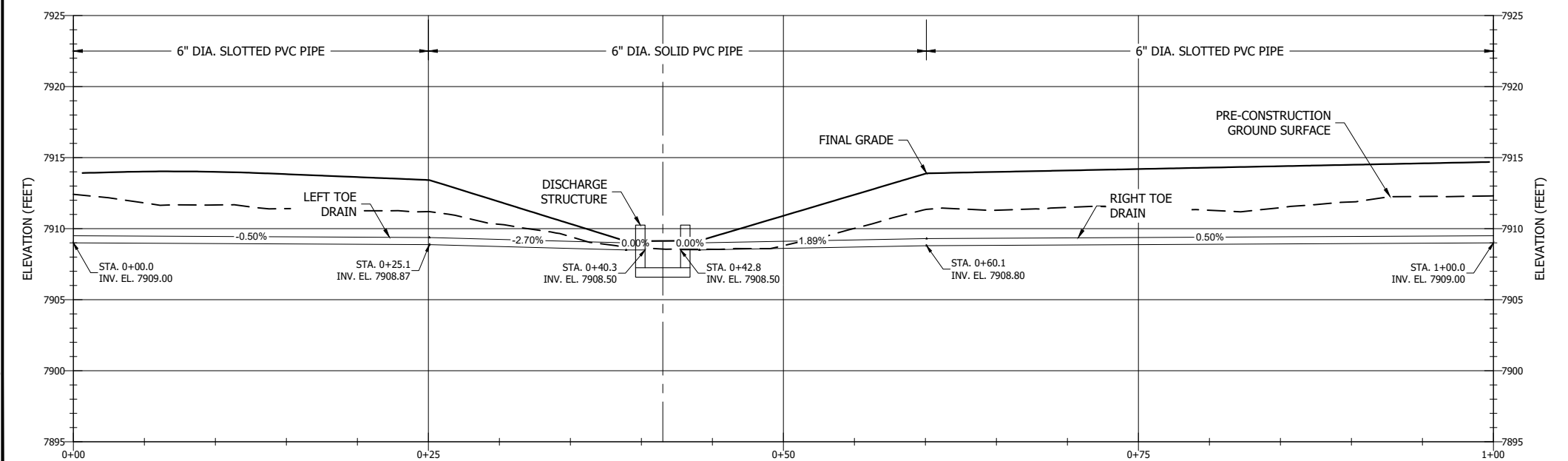
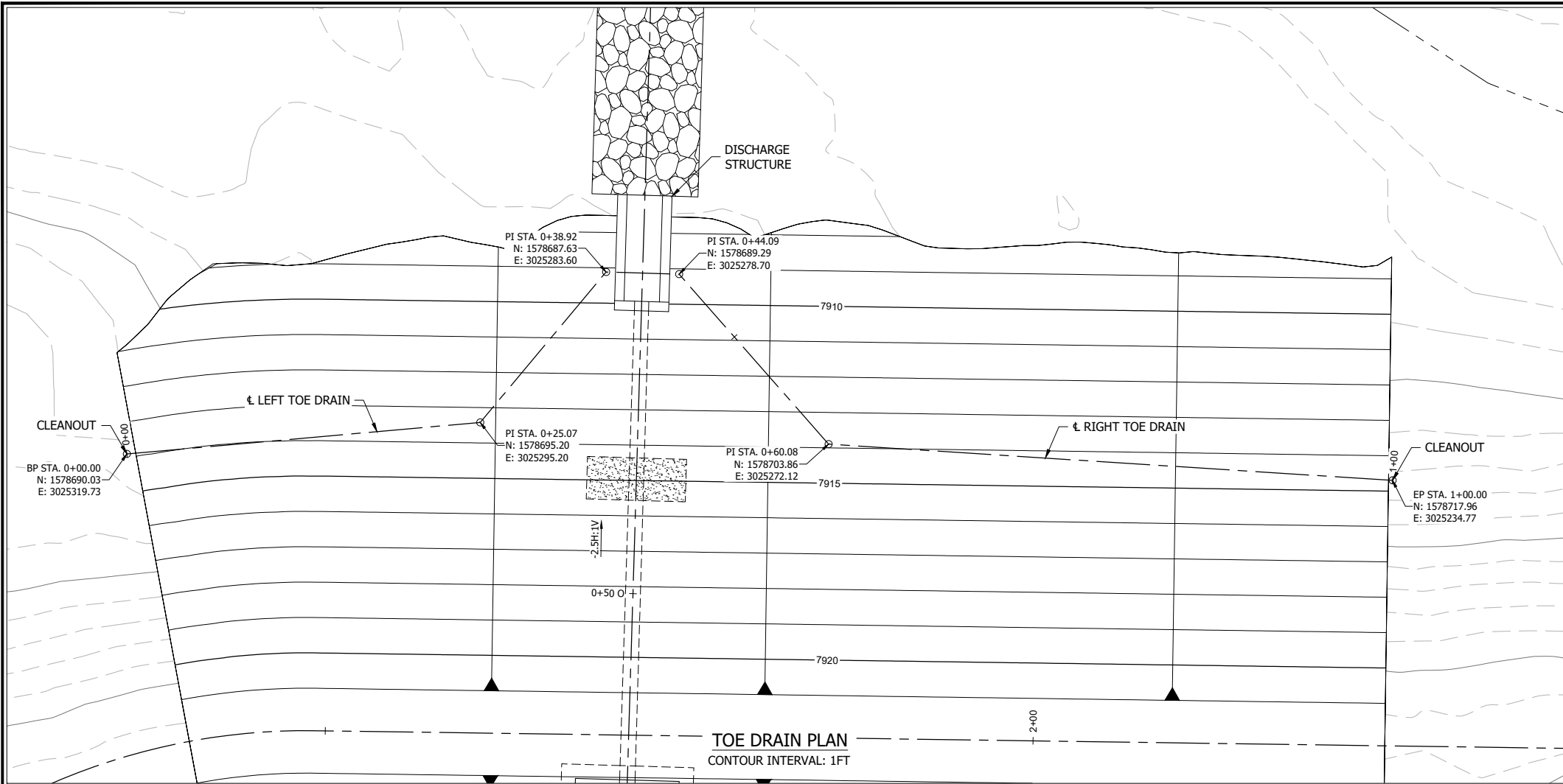
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
OUTLET WORKS MANHOLE  
PLAN AND SECTIONS

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 10 of 15
CHECK	TSS	DRAWING NO. C-6
PLOT DATE	10/27/2025	

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NO.	DATE	MADE	CHECKED	REMARKS
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REFERENCE	SHEET NO.	DRAWING NO.	TITLE

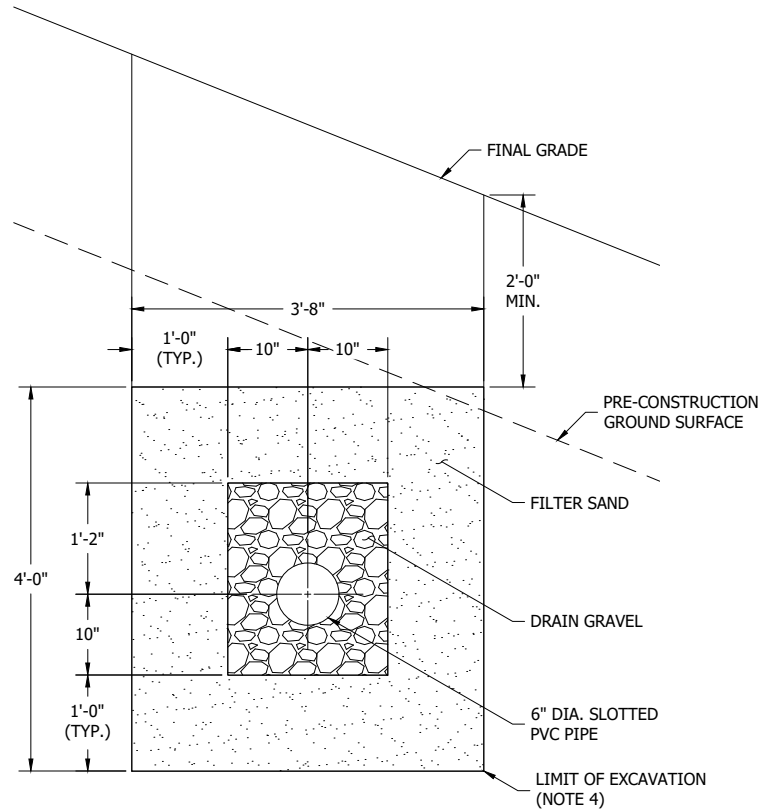
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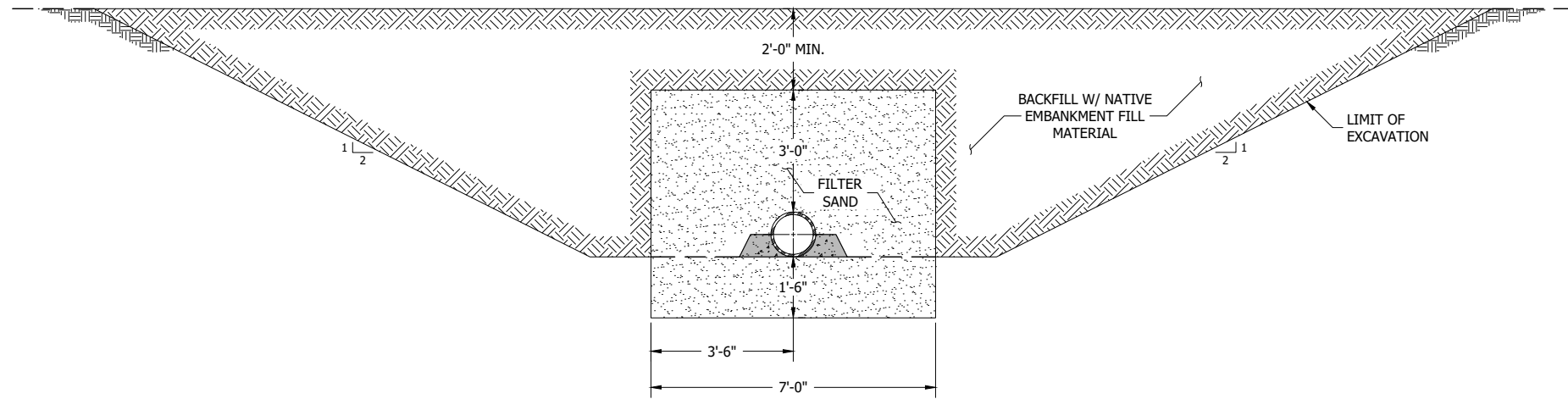
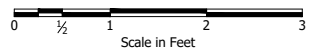
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
TOE DRAIN  
PLAN, PROFILE, AND DETAILS

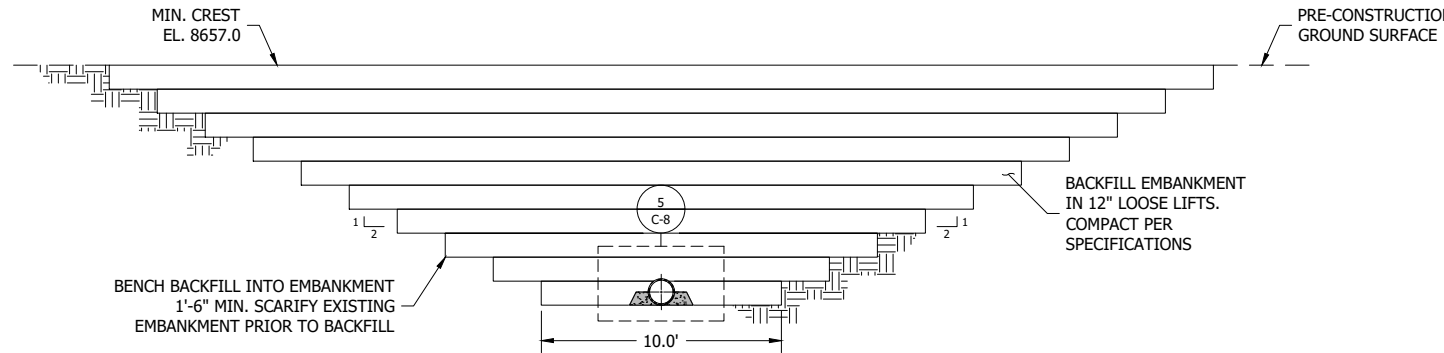
CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 11 of 15
CHECK	TSS	DRAWING NO. C-7
PLOT DATE		10/27/2025



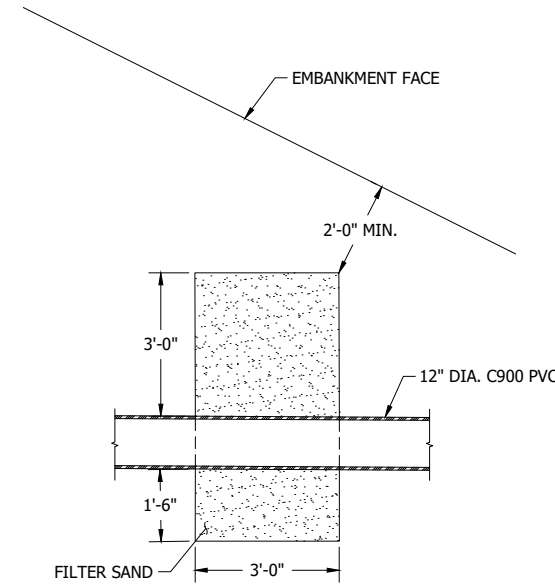
**TOE DRAIN**  
TYPICAL SECTION  
1  
C-4



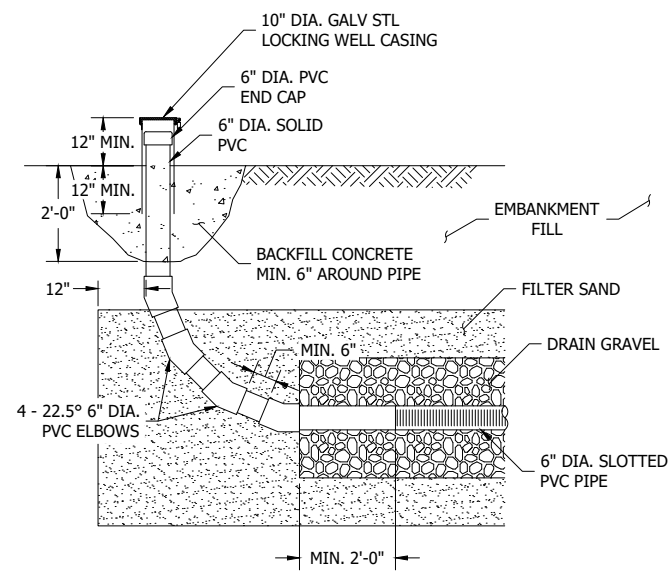
**FILTER DIAPHRAGM**  
DETAIL  
4  
C-5



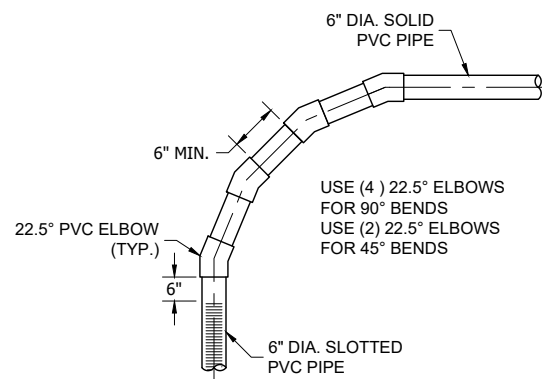
**OUTLET PIPE TRENCH**  
TYPICAL SECTION (N.T.S.)  
5  
C-8



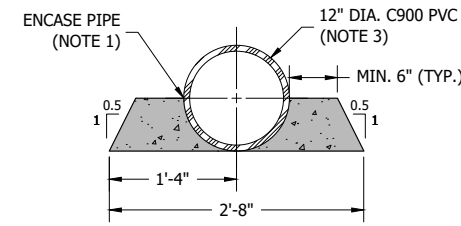
**FILTER DIAPHRAGM**  
DETAIL  
3  
C-5



**CLEANOUT**  
DETAIL (N.T.S.)  
2  
C-7



**DRAIN PIPE ELBOW**  
TYPICAL DETAIL (N.T.S.)  
3  
C-7



**OUTLET PIPE CRADLE**  
DETAIL  
5  
C-8



- NOTES:**
1. PLACE BACKFILL CONCRETE BENEATH THE HAUNCHES OF THE PIPE, UP TO THE SPRINGLINE.
  2. CONCRETE CRADLE SHALL CRADLE ENTIRE LENGTH OF OUTLET PIPE.
  3. ANCHOR PIPE TO PREVENT DISTURBANCE, MOVEMENT, OR FLOTATION DURING CONCRETE PLACEMENT.
  4. CONSTRUCT TOE DRAIN USING NESTED TRENCH BOX OR APPROVED EQUAL METHOD.

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NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

REFERENCE	SHEET NO.	DRAWING NO.	TITLE

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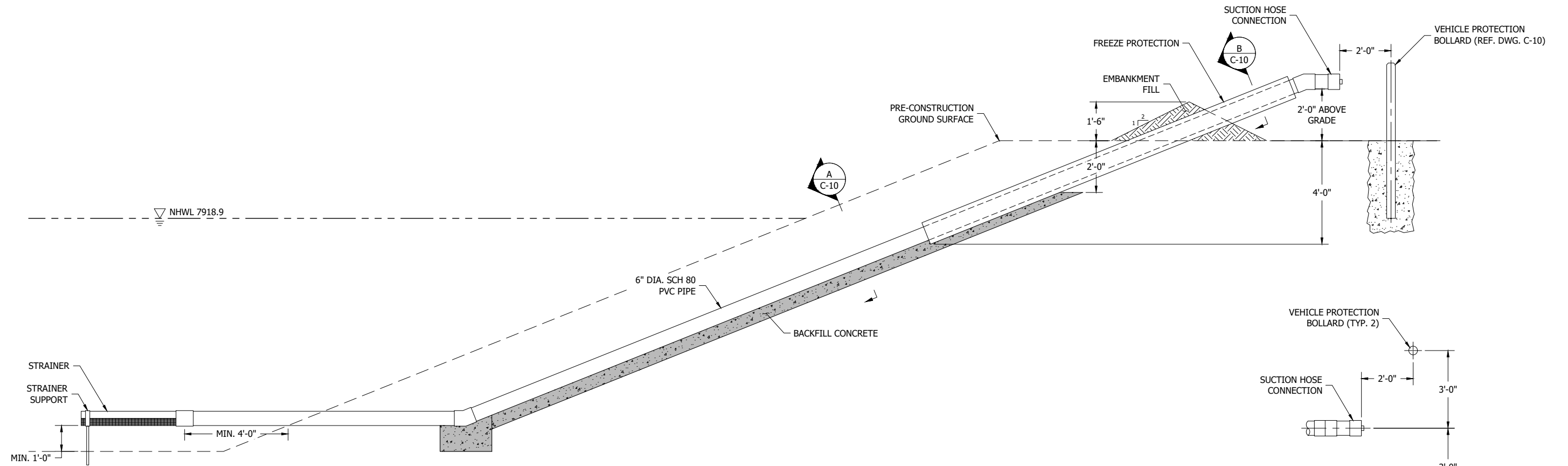
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
TOE DRAIN AND FILTER DIAPHRAGM  
SECTIONS AND DETAILS

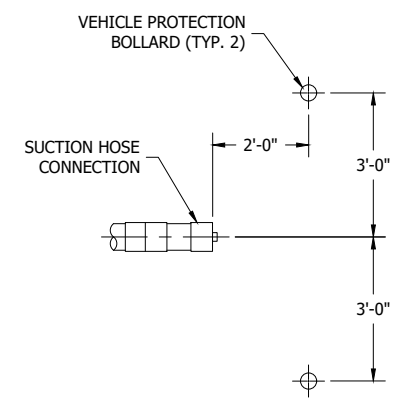
CLIENT		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 13 of 15
CHECK	TSS	DRAWING NO. C-8
PLOT DATE	10/27/2025	



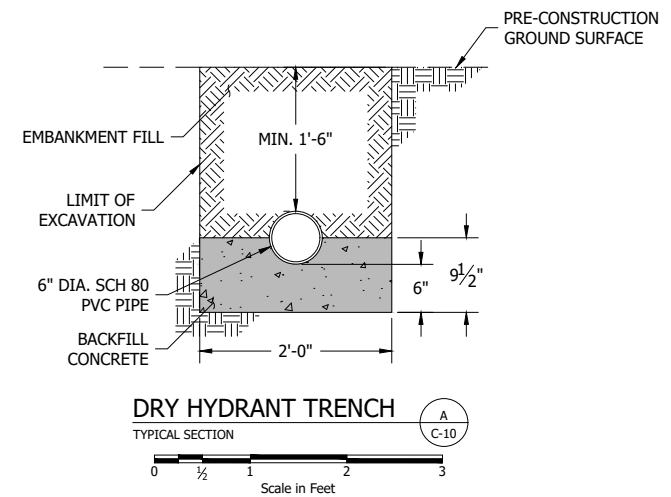
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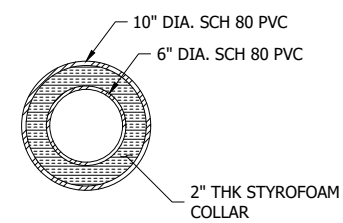
**DRY HYDRANT**  
DETAIL  
Scale in Feet



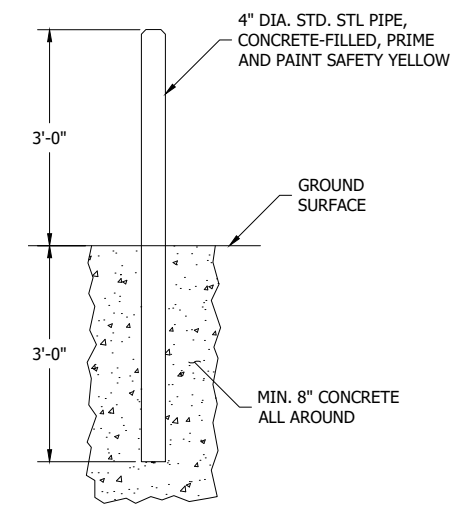
**VEHICLE PROTECTION**  
DETAIL PLAN  
Scale in Feet



**DRY HYDRANT TRENCH**  
TYPICAL SECTION  
Scale in Feet



**DRY HYDRANT FREEZE PROTECTION**  
TYPICAL SECTION  
Scale in Inches



**VEHICLE PROTECTION BOLLARD**  
TYPICAL DETAIL  
Scale in Feet

NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

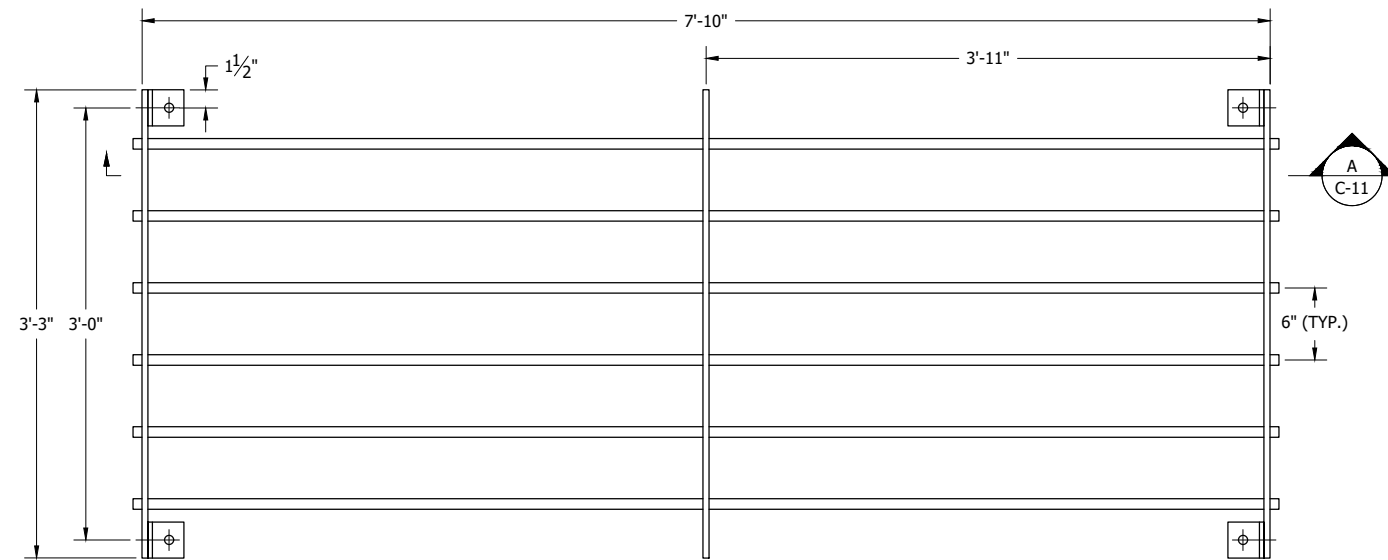
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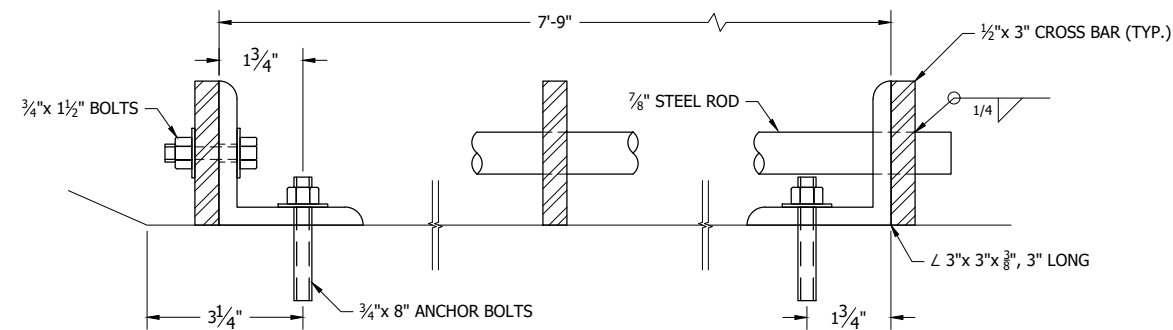
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**BURLAND POND NO. 2**  
REHABILITATION DESIGN  
**DRY HYDRANT**  
DETAILS

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 14 of 15
CHECK	TSS	DRAWING NO. C-10
PLOT DATE	10/27/2025	



**INTAKE STRUCTURE TRASH RACK**  
 DETAIL 1  
C-6  
 Scale in Inches  
 0 4 8 16 24



**INTAKE STRUCTURE TRASH RACK**  
 SECTION A  
C-11  
 Scale in Inches  
 0 1 2 4 6

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NO.	DATE	MADE	CHECKED	REMARKS
1	10/25	JTC	TSS	ISSUED FOR CONSTRUCTION

REFERENCE	SHEET NO.	DRAWING NO.	TITLE

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 Water Resources & Geotechnical Engineers  
 3700 S. INDA STREET | ENGLEWOOD, CO 80110-3405  
 303-761-4130

**BURLAND POND NO. 2**  
 REHABILITATION DESIGN  
 TRASH RACK  
 DETAIL AND SECTION

CLIENT		
FIRE ADAPTED BAILEY		
DESIGN	JTC	WHEELER NO. 1923.01.00
DRAWN	SAA	SHEET NO. 15 of 15
CHECK	TSS	DRAWING NO. C-11
PLOT DATE 10/27/2025		