

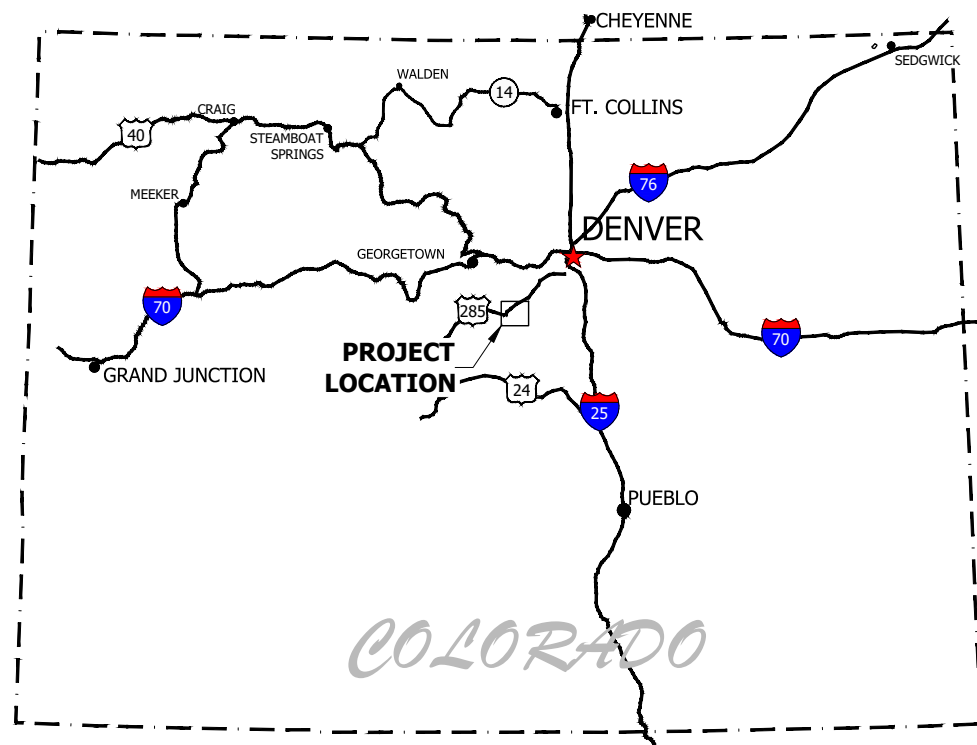
REHABILITATION DESIGN BURLAND POND NO. 1

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

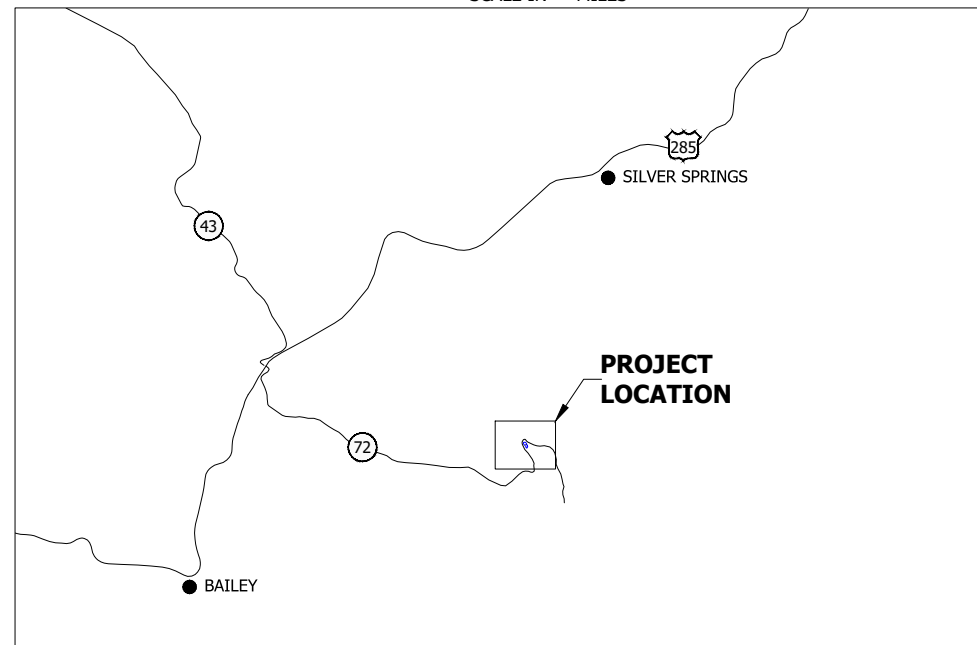
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PREPARED FOR:
FIRE ADAPTED BAILEY

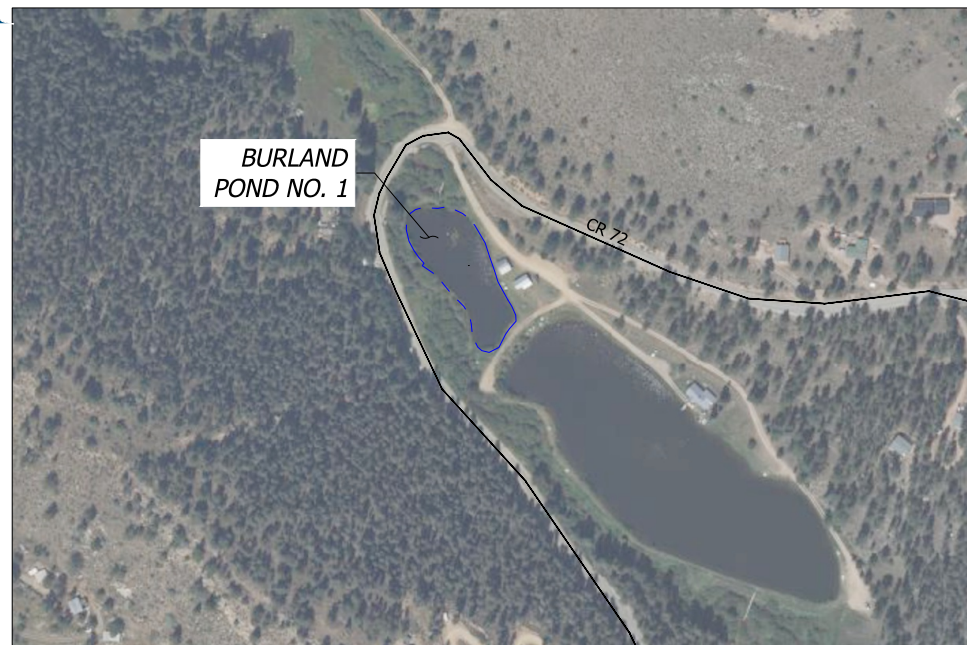
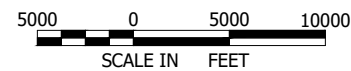
PREPARED BY:
W. W. WHEELER AND ASSOCIATES, INC.



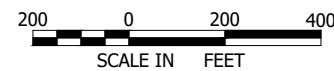
STATE MAP



PROJECT VICINITY MAP



PROJECT LOCATION MAP



I HEREBY DECLARE THESE PLANS FOR THE CONSTRUCTION OF THE BURLAND POND NO. 1 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. 1 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 |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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APPROVED FOR CONSTRUCTION

ALL SEALS FOR THIS DRAWING SET ARE APPLIED TO THE COVER PAGE.

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BURLAND POND NO. 1
REHABILITATION DESIGN
COVER SHEET
VICINITY & PROJECT LOCATION MAPS

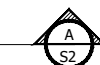



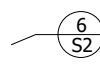







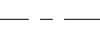













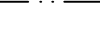
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| FIRE ADAPTED BAILEY | | |
| DESIGN | JTC | WHEELER NO. 1923.01.00 |
| DRAWN | SAA | SHEET NO. 1 of 15 |
| CHECK | TSS | DRAWING NO. G-1 |
| PLOT DATE | | 10/24/2025 |

ABBREVIATIONS

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

| DRAWING INDEX | | |
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| 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 | DEMOLITION PLAN |
| 7 | C-3 | EXCAVATION - PLAN AND PROFILE |
| 8 | C-4 | DAM CREST - PLAN AND PROFILE |
| 9 | C-5 | DAM CREST - SECTIONS |
| 10 | C-6 | OUTLET WORKS - PLAN AND PROFILE |
| 11 | C-7 | OUTLET WORKS - PLAN, SECTIONS, AND DETAILS |
| 12 | C-8 | OUTLET WORKS - FILTER DIAPHRAGM |
| 13 | C-9 | EMERGENCY SPILLWAY - PLAN AND PROFILE |
| 14 | C-10 | DRY HYDRANT - DETAILS |
| 15 | C-11 | TRASH RACKS - DETAILS AND SECTIONS |

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 BACKFILL |
|  | BEDROCK |  | NEW CONCRETE |  | DRAIN GRAVEL |  | RIPRAP |
|  | CENTERLINE |  | EXISTING CONCRETE |  | NATURAL GROUND |  | BACKFILL CONCRETE |
|  | MAJOR 5 FT CONTOUR INTERVAL WITH ELEVATION IN FEET |  | FILL SLOPE |  | FILTER SAND |  | GROUT |
|  | MINOR 1 FT CONTOUR INTERVAL |  | 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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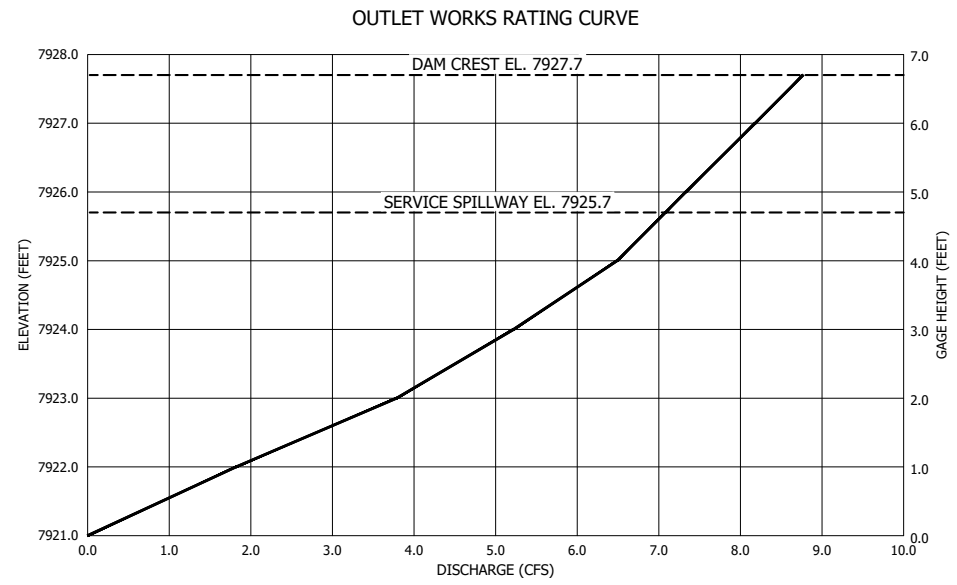
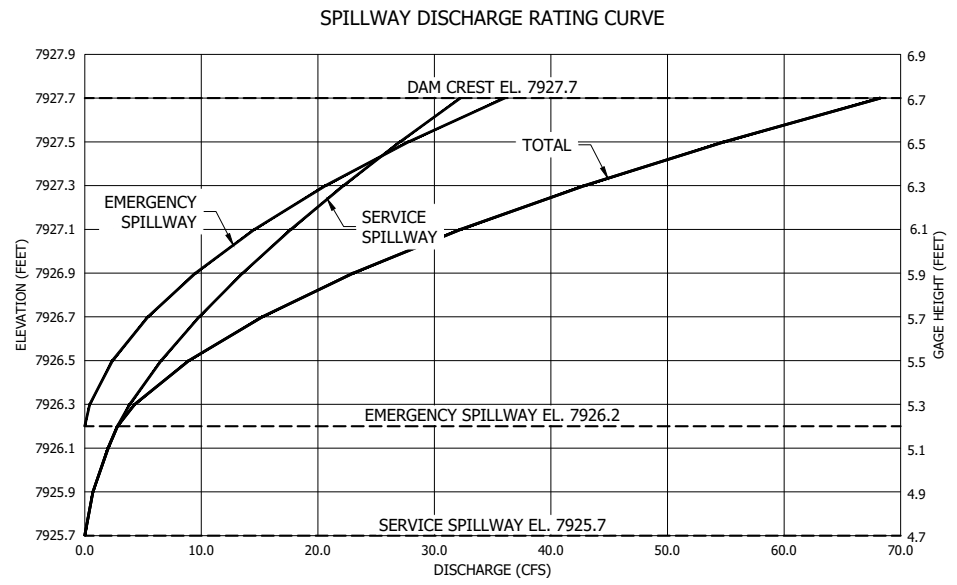
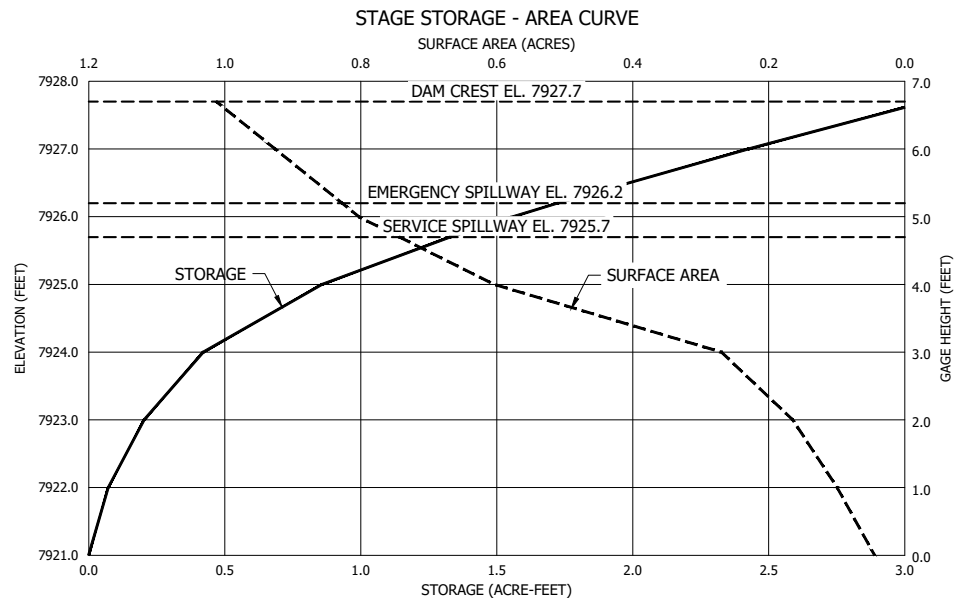
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W. W. WHEELER & ASSOCIATES, INC
 Water Resources & Geotechnical Engineers
 3700 S. INDA STREET | ENGLEWOOD, CO 80110-3405
 303-761-4130

BURLAND POND NO. 1
 REHABILITATION DESIGN
 DRAWING INDEX,
 ABBREVIATIONS
 AND LEGEND

| CLIENT | | |
|------------|-----|-------------|
| DESIGN | JTC | WHEELER NO. |
| | | 1923.01.00 |
| DRAWN | SAA | SHEET NO. |
| | | 2 of 15 |
| CHECK | TSS | DRAWING NO. |
| | | G-2 |
| PLOT DATE | | |
| 10/24/2025 | | |



| STAGE STORAGE RATING TABLE | | | | |
|----------------------------|-------------|--------------|-------------------|--------------------|
| ELEVATION | GAGE HEIGHT | CONTOUR AREA | CUMULATIVE VOLUME | NOTES |
| (FT) | (FT) | (AC) | (AC-FT) | |
| 7921.0 | 0.0 | 0.0 | 0.0 | GATE INVERT |
| 7922.0 | 1.0 | 0.1 | 0.1 | |
| 7923.0 | 2.0 | 0.2 | 0.2 | |
| 7924.0 | 3.0 | 0.3 | 0.4 | |
| 7925.0 | 4.0 | 0.6 | 0.9 | |
| 7925.7 | 4.7 | 0.7 | 1.3 | NHWL |
| 7926.0 | 5.0 | 0.8 | 1.6 | |
| 7926.2 | 5.2 | 0.8 | 1.7 | EMERGENCY SPILLWAY |
| 7927.0 | 6.0 | 0.9 | 2.4 | |
| 7927.2 | 6.2 | 1.0 | 2.6 | |
| 7927.7 | 6.7 | 1.0 | 3.1 | DAM CREST |

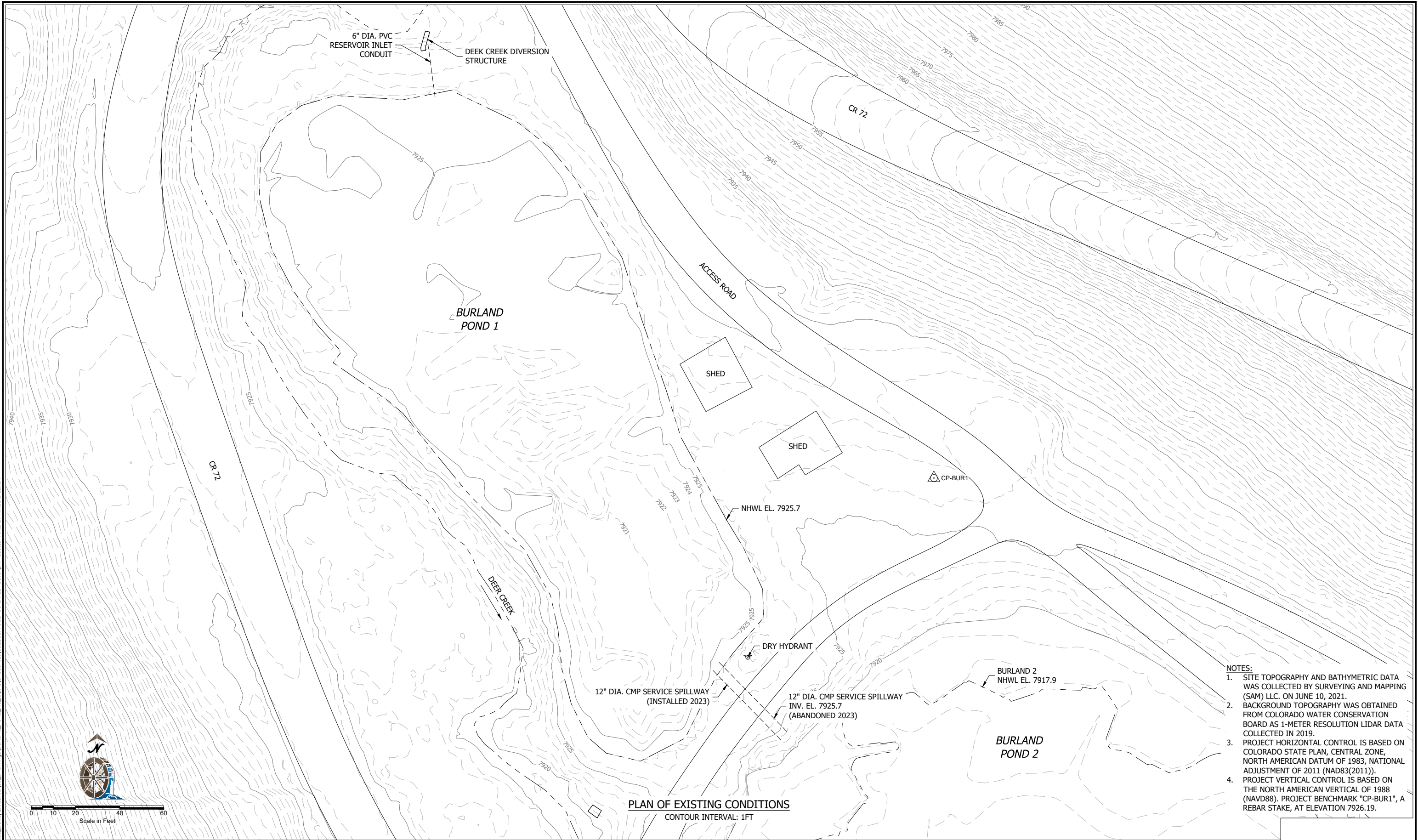
| SPILLWAY DISCHARGE RATING TABLE | | | | | |
|---------------------------------|-------------|------------------|--------------------|-----------------|--------------------|
| ELEVATION | GAGE HEIGHT | SERVICE SPILLWAY | EMERGENCY SPILLWAY | TOTAL DISCHARGE | NOTES |
| (FT) | (FT) | (CFS) | (CFS) | (CFS) | |
| 7925.7 | 4.7 | 0.0 | 0.0 | 0.0 | SERVICE SPILLWAY |
| 7925.9 | 4.9 | 0.7 | 0.0 | 0.7 | |
| 7926.1 | 5.1 | 2.0 | 0.0 | 2.0 | |
| 7926.2 | 5.2 | 2.8 | 0.0 | 2.8 | EMERGENCY SPILLWAY |
| 7926.3 | 5.3 | 3.9 | 0.4 | 4.3 | |
| 7926.5 | 5.5 | 6.6 | 2.4 | 8.9 | |
| 7926.7 | 5.7 | 9.8 | 5.4 | 15.3 | |
| 7926.9 | 5.9 | 13.6 | 9.5 | 23.1 | |
| 7927.1 | 6.1 | 17.7 | 14.6 | 32.3 | |
| 7927.3 | 6.3 | 22.2 | 20.7 | 42.9 | |
| 7927.5 | 6.5 | 27.1 | 27.8 | 54.9 | |
| 7927.7 | 6.7 | 32.2 | 36.0 | 68.2 | DAM CREST |

| OUTLET WORKS RATING TABLE | | | |
|---------------------------|-------------|-----------|-------------|
| ELEVATION | GAGE HEIGHT | DISCHARGE | NOTES |
| (FT) | (FT) | (CFS) | |
| 7921.0 | 0.0 | 0.0 | GATE INVERT |
| 7922.0 | 1.0 | 1.8 | |
| 7923.0 | 2.0 | 3.8 | |
| 7924.0 | 3.0 | 5.2 | |
| 7925.0 | 4.0 | 6.5 | |
| 7925.7 | 4.7 | 7.1 | NHWL |
| 7926.0 | 5.0 | 7.3 | |
| 7927.0 | 6.0 | 8.2 | |
| 7927.7 | 6.7 | 8.8 | DAM CREST |

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| DRAWN | SAA | 1923.01.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHECK | TSS | 3 of 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLOT DATE | 10/24/2025 | DRAWING NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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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 |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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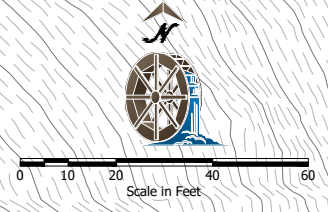
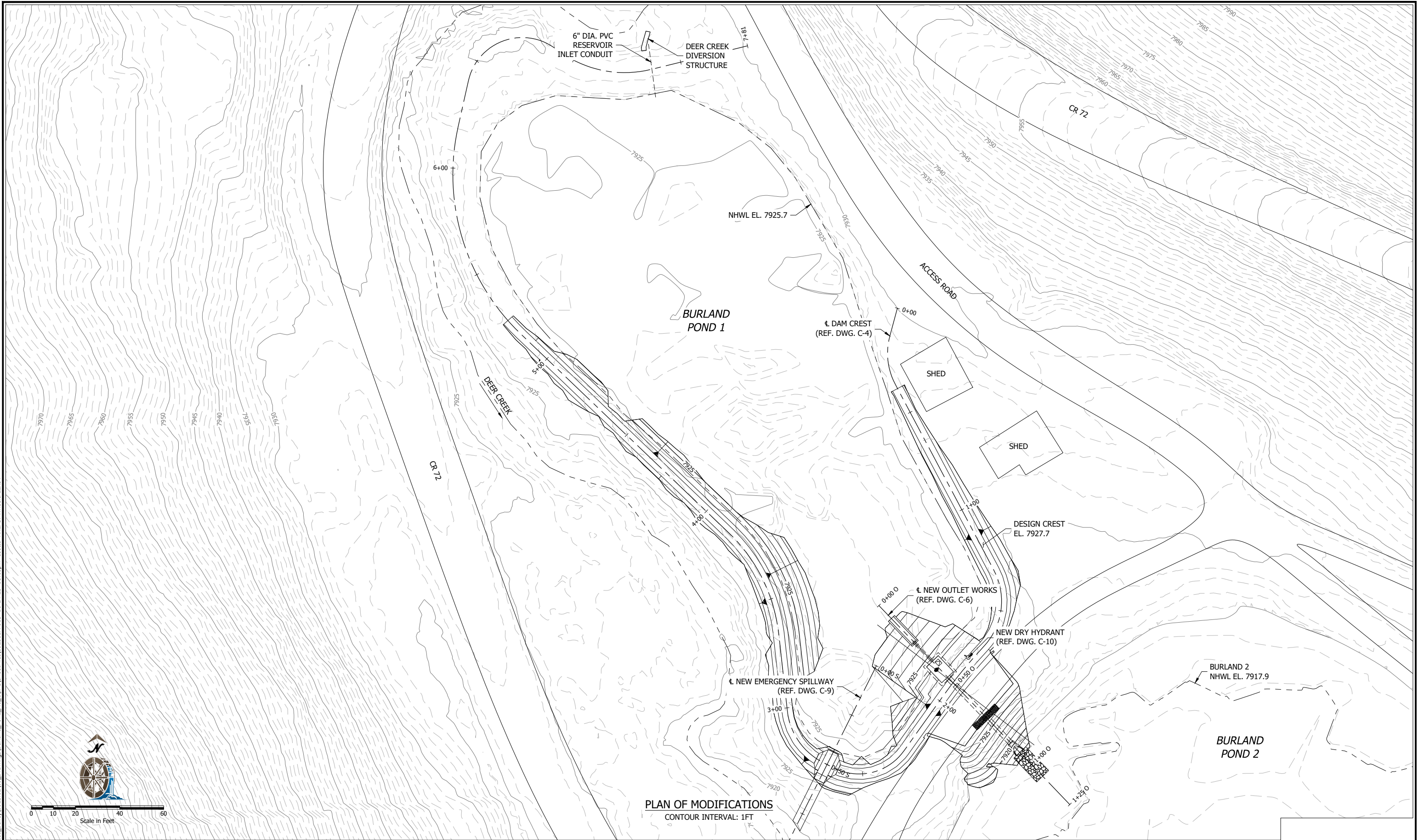
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BURLAND POND NO. 1
REHABILITATION DESIGN
PLAN OF EXISTING
CONDITIONS

| 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 | 10/24/2025 | |

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PLAN OF MODIFICATIONS
CONTOUR INTERVAL: 1FT

| NO. | DATE | MADE | CHECKED | REMARKS |
|-----|-------|------|---------|-------------------------|
| 1 | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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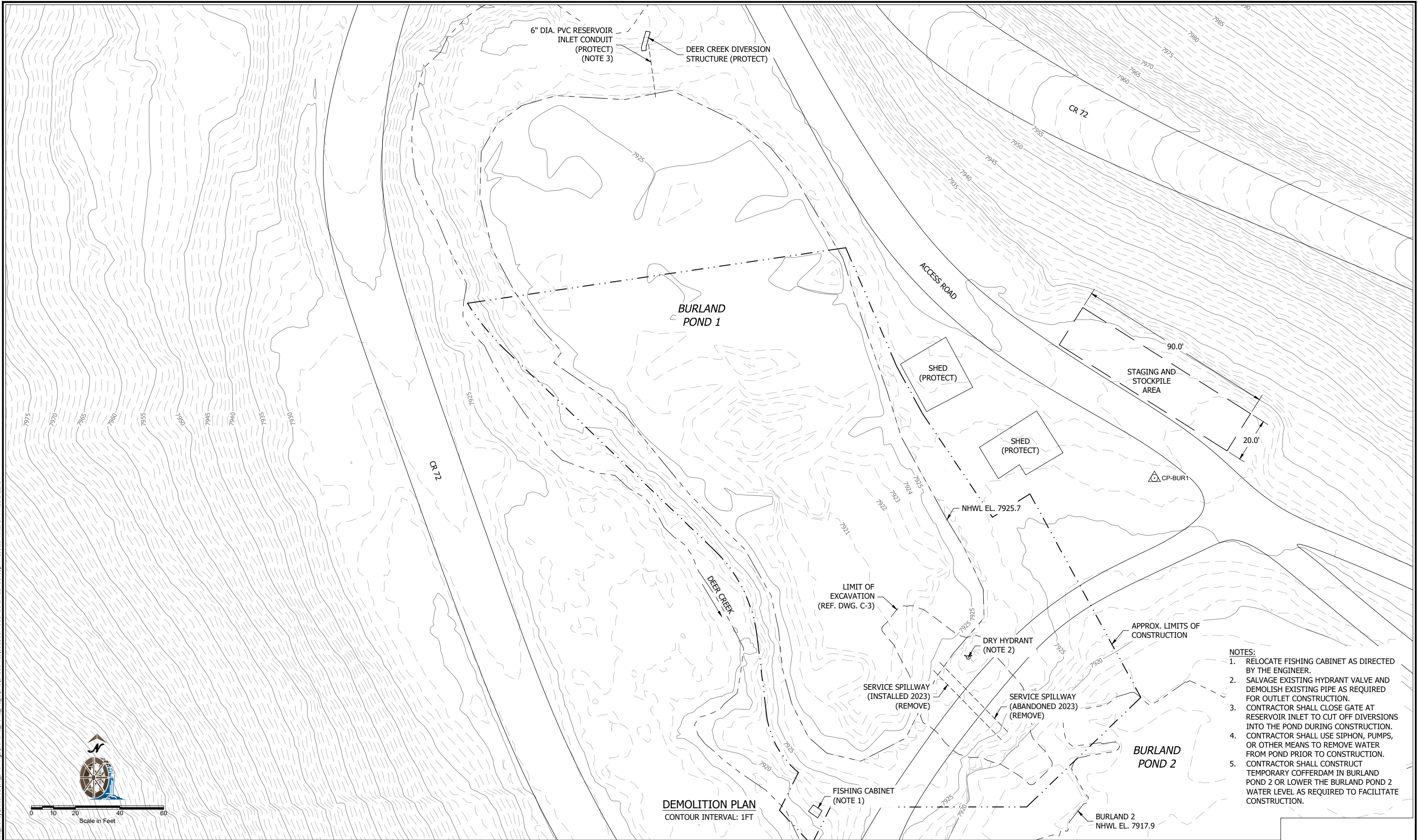
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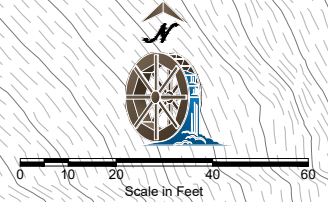
BURLAND POND NO. 1
REHABILITATION DESIGN
PLAN OF MODIFICATIONS

| CLIENT | | |
|---------------------|------------|------------------------|
| FIRE ADAPTED BAILEY | | |
| DESIGN | JTC | WHEELER NO. 1923.01.00 |
| DRAWN | SAA | SHEET NO. 5 of 15 |
| CHECK | TSS | DRAWING NO. C-1 |
| PLOT DATE | 10/24/2025 | |

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- NOTES:**
1. RELOCATE FISHING CABINET AS DIRECTED BY THE ENGINEER.
 2. SALVAGE EXISTING HYDRANT VALVE AND DEMOLISH EXISTING PIPE AS REQUIRED FOR OUTLET CONSTRUCTION.
 3. CONTRACTOR SHALL CLOSE GATE AT RESERVOIR INLET TO CUT OFF DIVERSIONS INTO THE POND DURING CONSTRUCTION. CONTRACTOR SHALL USE SIPHON, PUMPS, OR OTHER MEANS TO REMOVE WATER FROM POND PRIOR TO CONSTRUCTION.
 4. CONTRACTOR SHALL CONSTRUCT TEMPORARY COFFERDAM IN BURLAND POND 2 OR LOWER THE BURLAND POND 2 WATER LEVEL AS REQUIRED TO FACILITATE CONSTRUCTION.



DEMOLITION PLAN
CONTOUR INTERVAL: 1FT

| NO. | DATE | MADE | CHECKED | REMARKS |
|-----|-------|------|---------|-------------------------|
| 1 | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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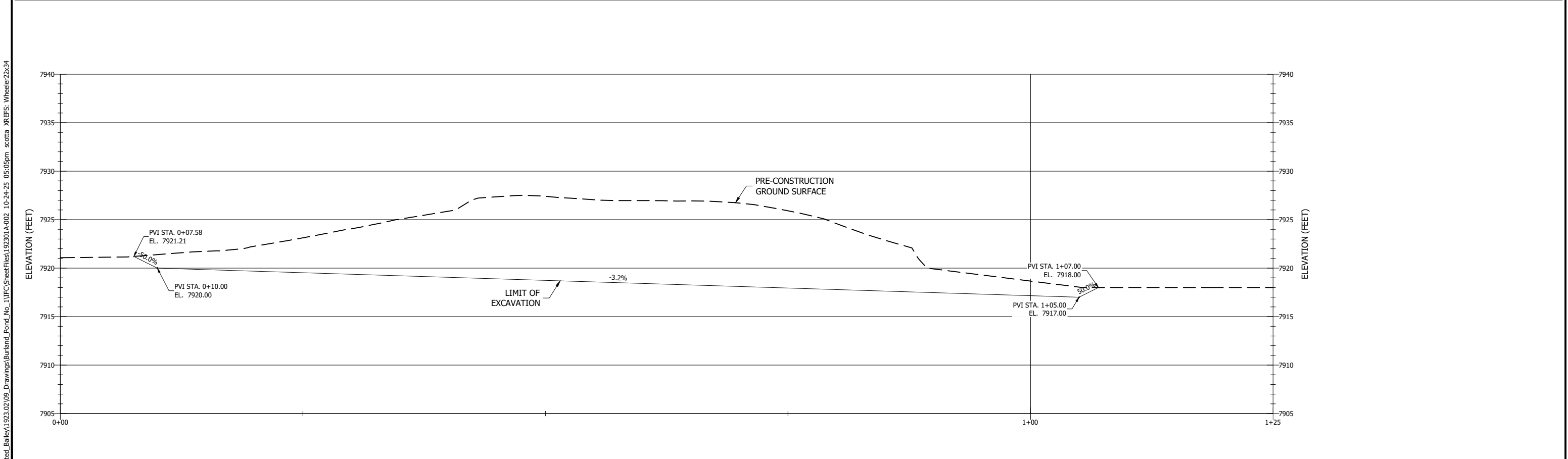
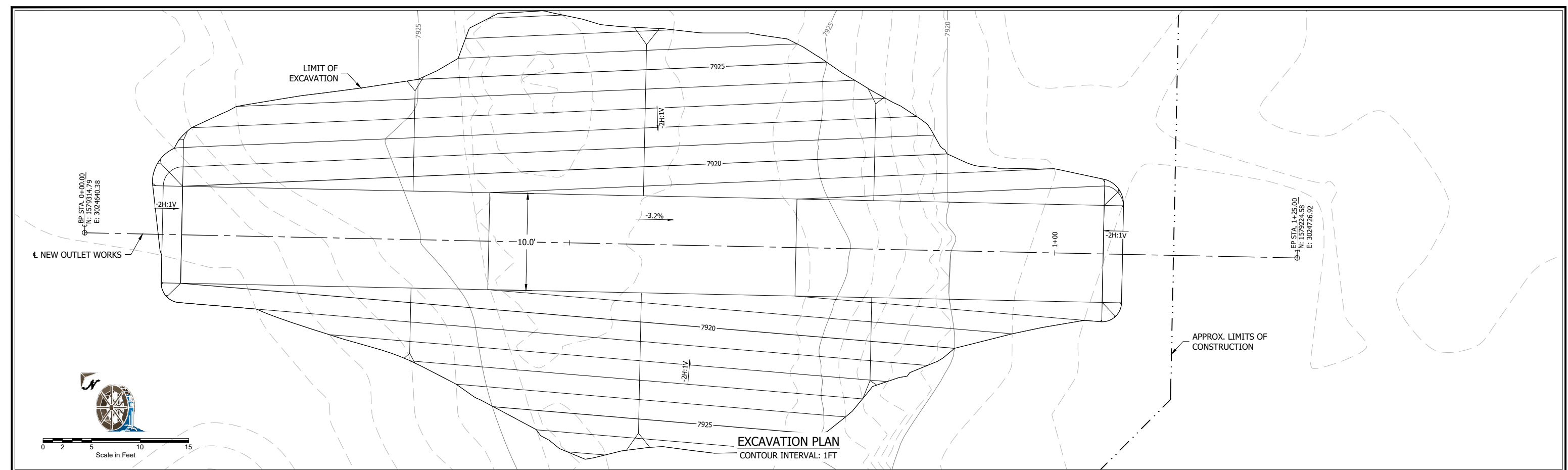
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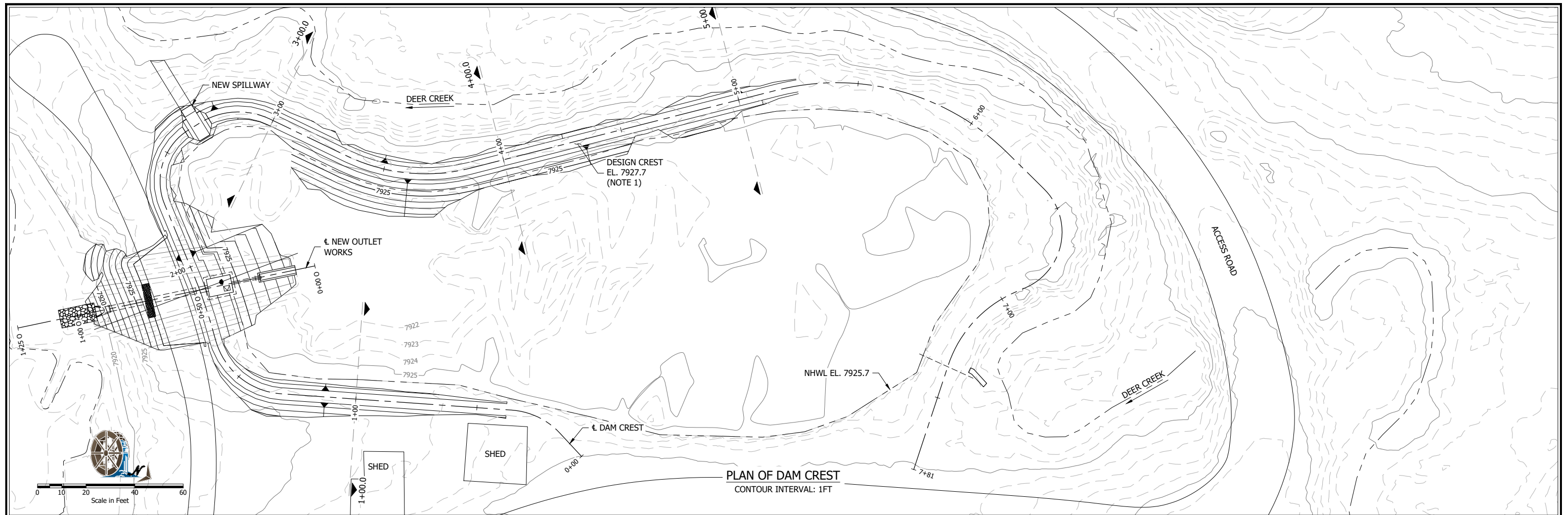
BURLAND POND NO. 1
REHABILITATION DESIGN
DEMOLITION PLAN

| CLIENT | | |
|---------------------|------------|------------------------|
| FIRE ADAPTED BAILEY | | |
| DESIGN | JTC | WHEELER NO. 1923.01.00 |
| DRAWN | SAA | SHEET NO. 6 of 15 |
| CHECK | TSS | DRAWING NO. C-2 |
| DATE | 10/24/2025 | |

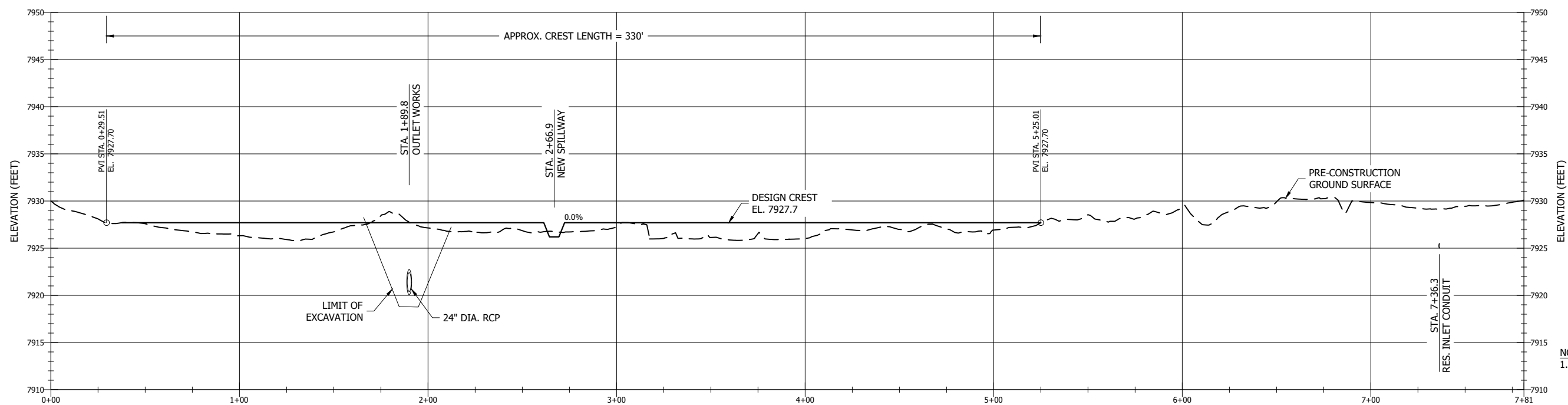


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|------------------|-----|-------|------|---------|-------------------------|------------------|-----------|-------------|-------|----------------------------------|--|--|--|---|---------------------|-------------|------------|
| REVISIONS | NO. | DATE | MADE | CHECKED | REMARKS | REFERENCE | 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. | Water Resources & Geotechnical Engineers 3700 S. INDA STREET ENGLEWOOD, CO 80110-3405 303-761-4130 | BURLAND POND NO. 1 REHABILITATION DESIGN EXCAVATION PLAN AND PROFILE | CLIENT | FIRE ADAPTED BAILEY | WHEELER NO. | 1923.01.00 |
| | △ | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION | | | | | | | | | ALL SEALS FOR THIS DRAWING SET ARE APPLIED TO THE COVER PAGE. | DESIGN | JTC | SHEET NO. |

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PLAN OF DAM CREST
CONTOUR INTERVAL: 1FT



PROFILE VIEW OF DAM CREST

NOTES:
1. EMBANKMENT FOUNDATION WITHIN THE RESERVOIR AREA MAY REQUIRE STABILIZATION PER DIRECTION OF THE ENGINEER.

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| 1 | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION |

| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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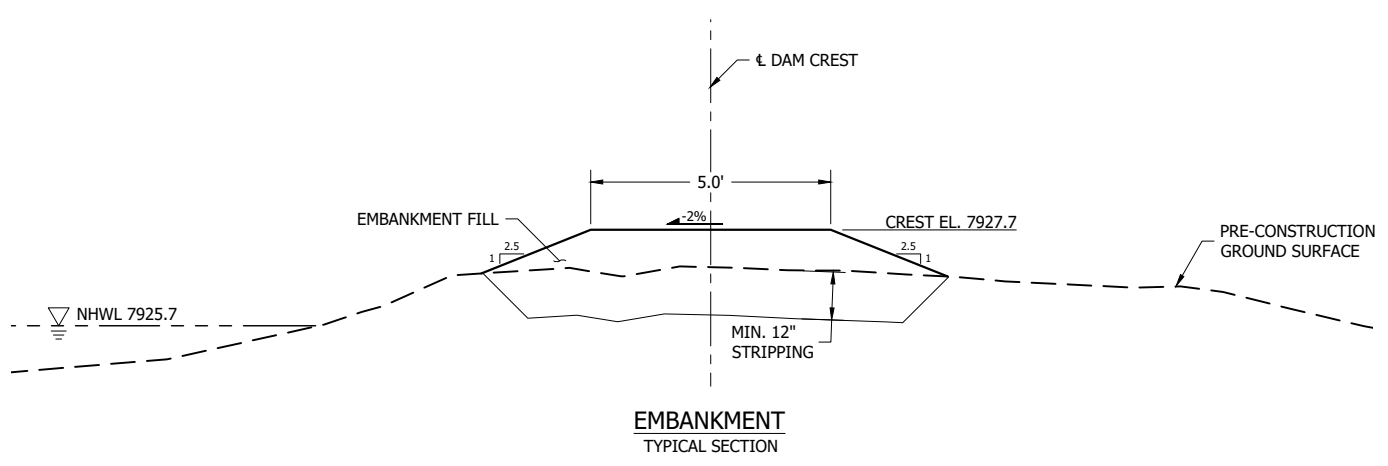
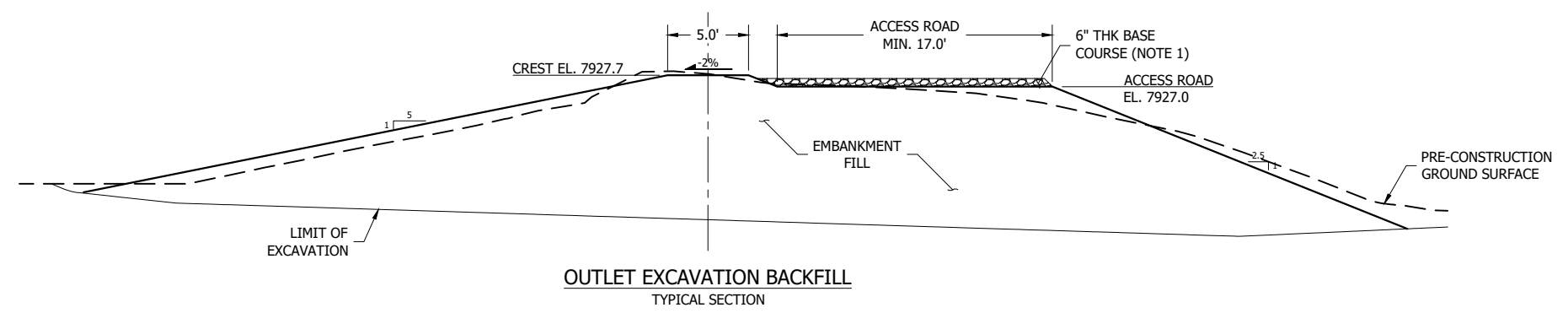
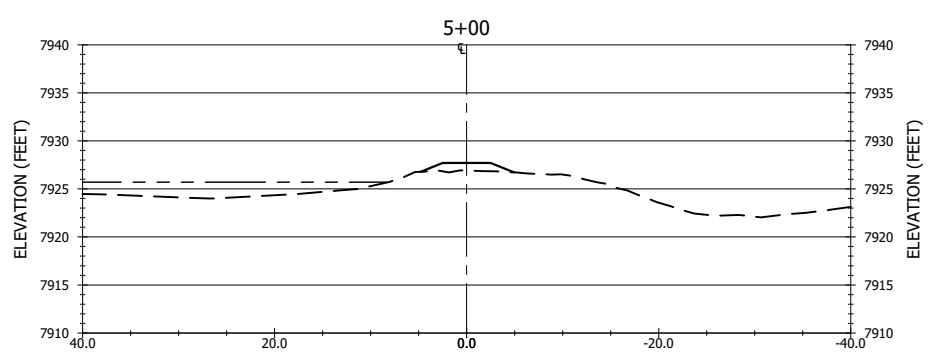
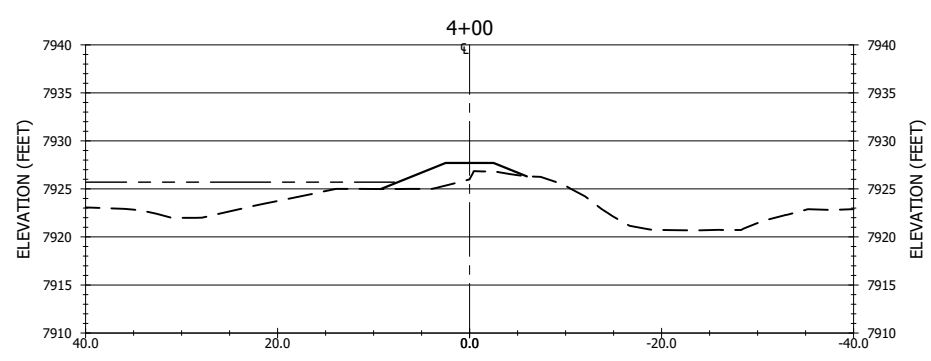
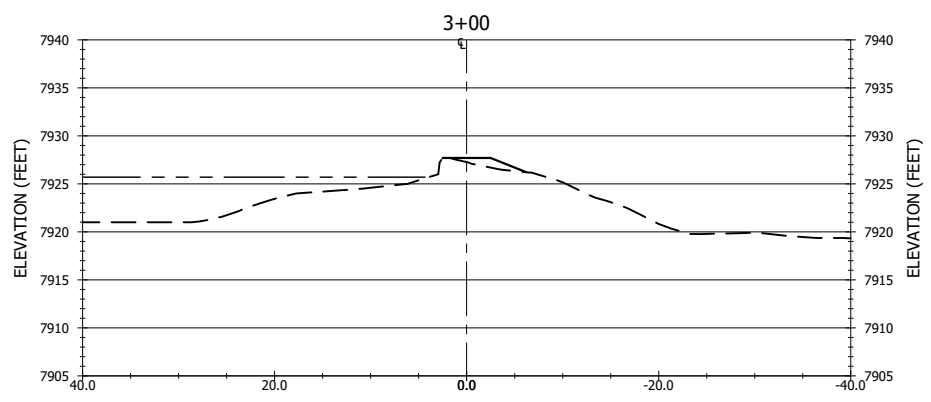
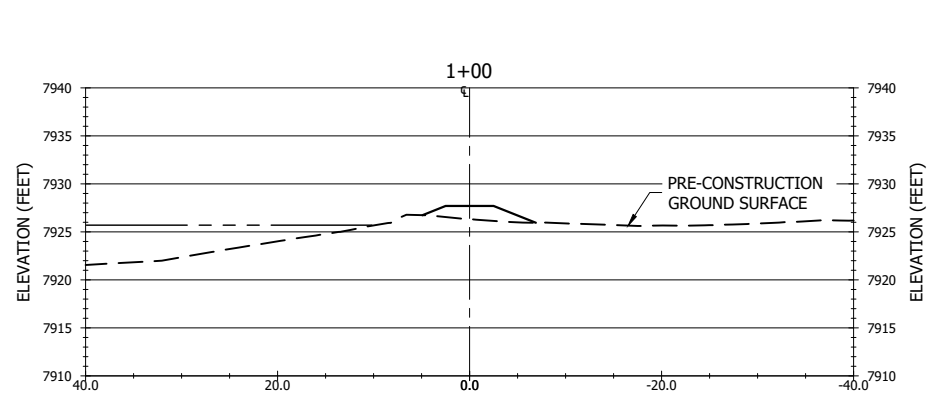
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BURLAND POND NO. 1
REHABILITATION DESIGN
DAM CREST
PLAN AND PROFILE

| 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 | | 10/24/2025 |

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- NOTES:**
- BLEND NEW ROAD BASE MATERIAL INTO EXISTING ACCESS ROAD FOR DISTANCE OF 10-FEET BEYOND THE LIMITS OF EXCAVATION.

| NO. | DATE | MADE | CHECKED | REMARKS |
|-----|-------|------|---------|-------------------------|
| 1 | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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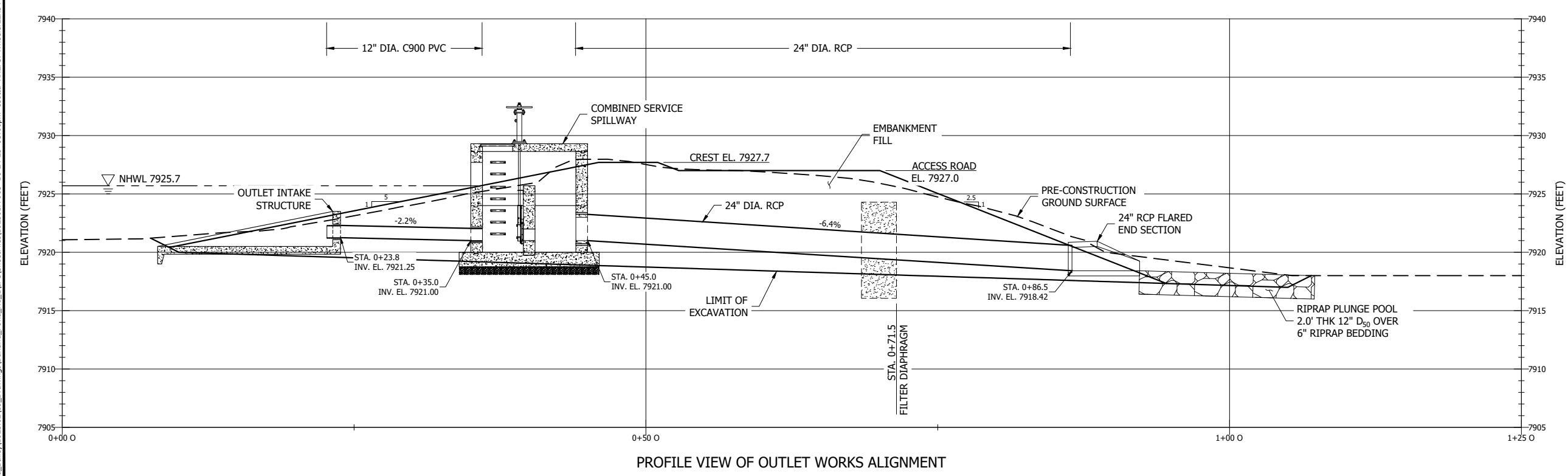
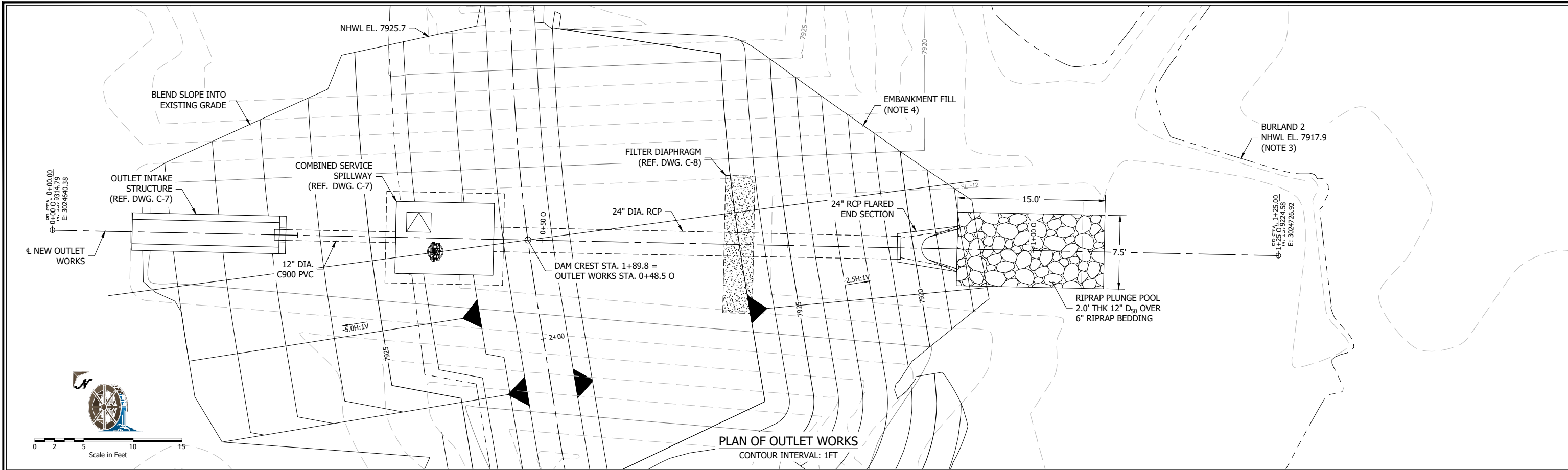
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303-761-4130

BURLAND POND NO. 1
REHABILITATION DESIGN
DAM CREST
SECTIONS

| 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 | 10/24/2025 | |



- NOTES:**
- ENGINEER TO INSPECT SUBGRADE PRIOR TO PLACEMENT OF EMBANKMENT FILL.
 - CONCRETE CRADLE NOT SHOWN FOR CLARITY.
 - CONTRACTOR SHALL CONSTRUCT TEMPORARY COFFERDAM IN BURLAND POND 2 OR LOWER THE BURLAND POND 2 WATER LEVEL AS REQUIRED TO FACILITATE CONSTRUCTION.
 - BLEND NEW BACKFILL INTO EXISTING FILL ALONG THE LIMITS OF EXCAVATION.

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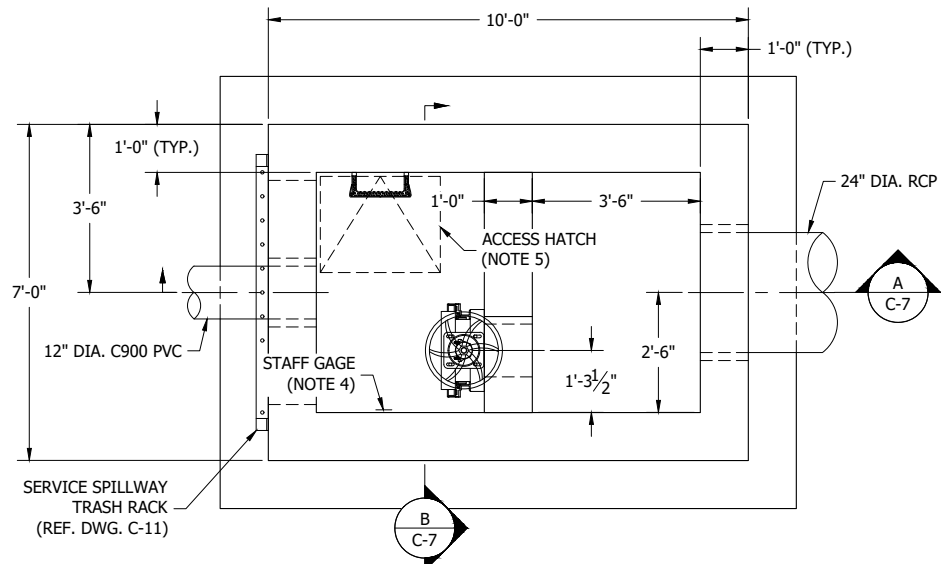
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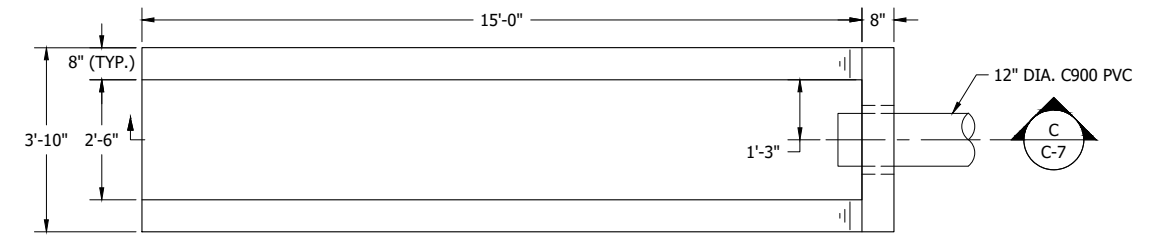
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BURLAND POND NO. 1
REHABILITATION DESIGN
OUTLET WORKS
PLAN AND PROFILE

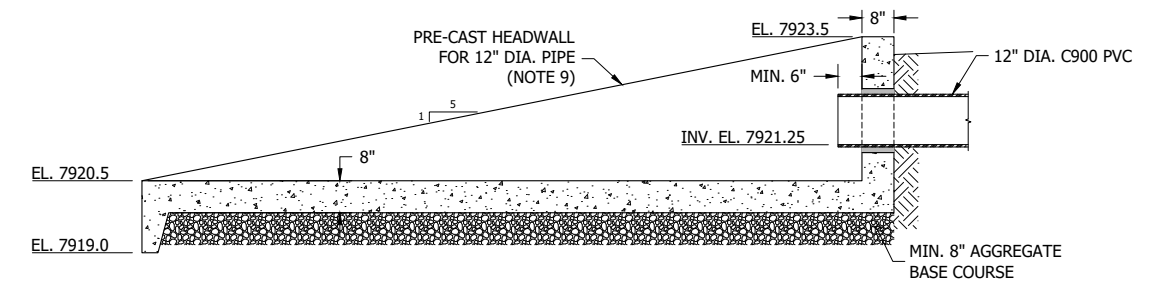
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|---------------------|------------|-------------|------------|
| FIRE ADAPTED BAILEY | | | |
| DESIGN | JTC | WHEELER NO. | 1923.01.00 |
| DRAWN | SAA | SHEET NO. | 10 of 15 |
| CHECK | TSS | DRAWING NO. | C-6 |
| PLOT DATE | 10/24/2025 | | |



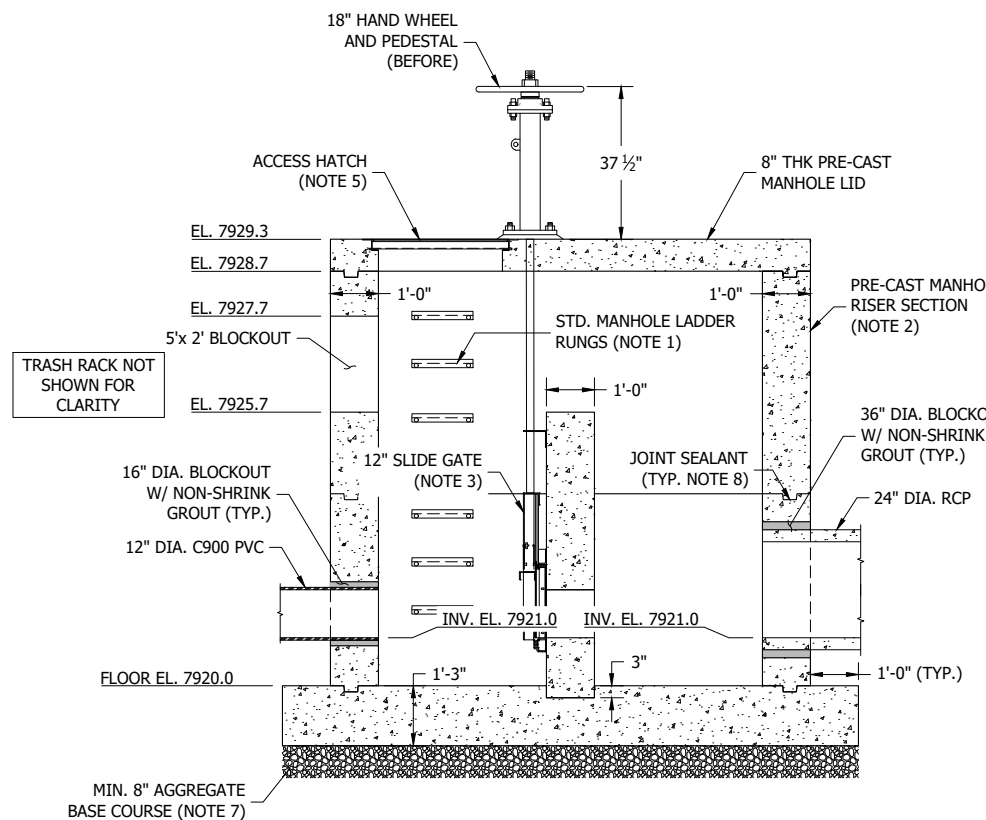
COMBINED SERVICE SPILLWAY
DETAIL
Scale in Feet



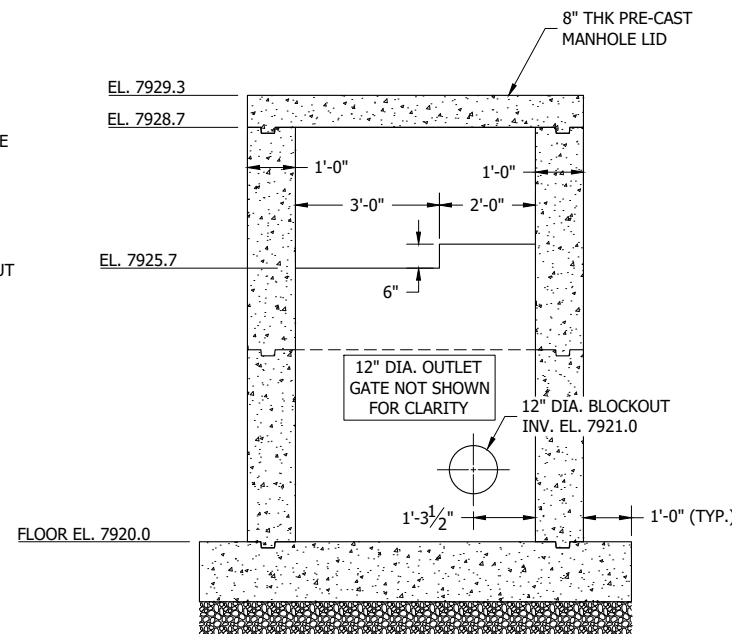
INTAKE STRUCTURE
DETAIL
Scale in Feet



INTAKE STRUCTURE
SECTION
Scale in Feet



COMBINED SERVICE SPILLWAY
SECTION
Scale in Feet



COMBINED SERVICE SPILLWAY
SECTION
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. 7921.0
 - ACCESS HATCH SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
 - INSTALL BAFFLE WALL BEFORE PLACING BACKFILL AROUND VAULT. PLACE BACKFILL SYMMETRICALLY ON ALL SIDES OF VAULT. DO NOT REMOVE BAFFLE WALL.
 - 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.
 - INTAKE STRUCTURE TRASH RACK NOT SHOWN FOR CLARITY, (REF. DWG. C-11)

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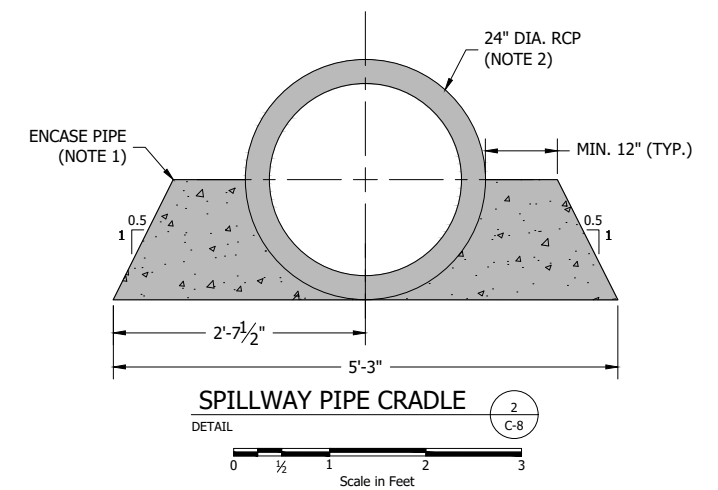
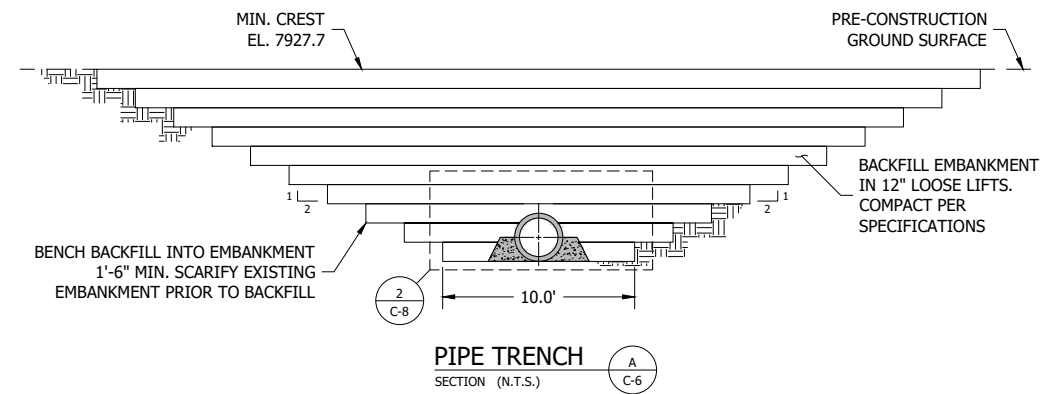
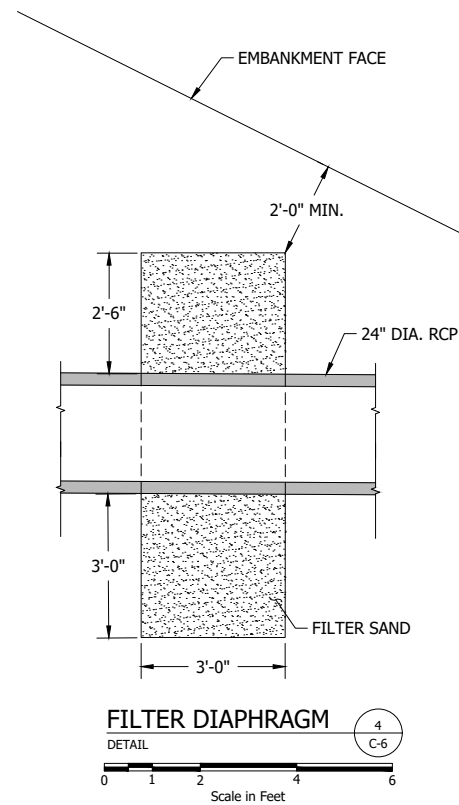
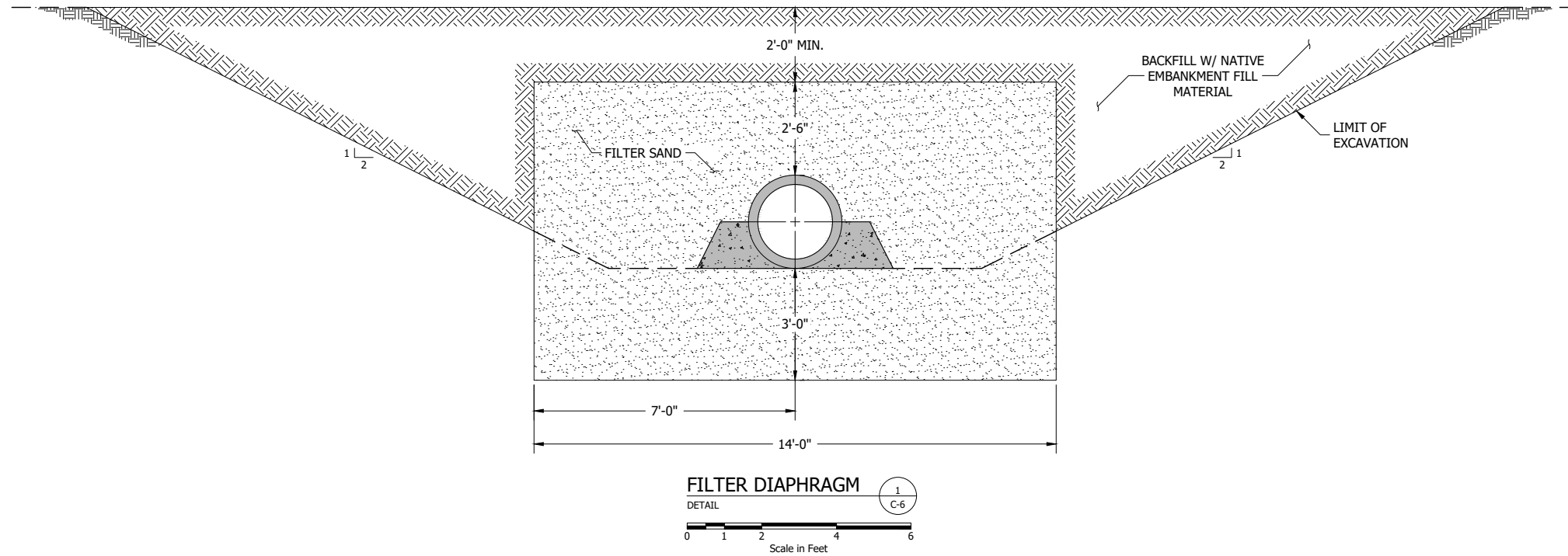
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BURLAND POND NO. 1
REHABILITATION DESIGN
OUTLET WORKS
PLAN, SECTIONS, AND DETAILS

| CLIENT | | |
|---------------------|------------|------------------------|
| FIRE ADAPTED BAILEY | | |
| DESIGN | JTC | WHEELER NO. 1923.01.00 |
| DRAWN | SAA | SHEET NO. 11 of 15 |
| CHECK | TSS | DRAWING NO. C-7 |
| DATE | 10/24/2025 | |

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- NOTES:
1. PLACE BACKFILL CONCRETE BENEATH THE HAUNCHES OF THE PIPE, UP TO THE SPRINGLINE.
 2. ANCHOR PIPE TO PREVENT DISTURBANCE, MOVEMENT, OR FLOTATION DURING CONCRETE PLACEMENT.

| NO. | DATE | MADE | CHECKED | REMARKS |
|-----|-------|------|---------|-------------------------|
| 1 | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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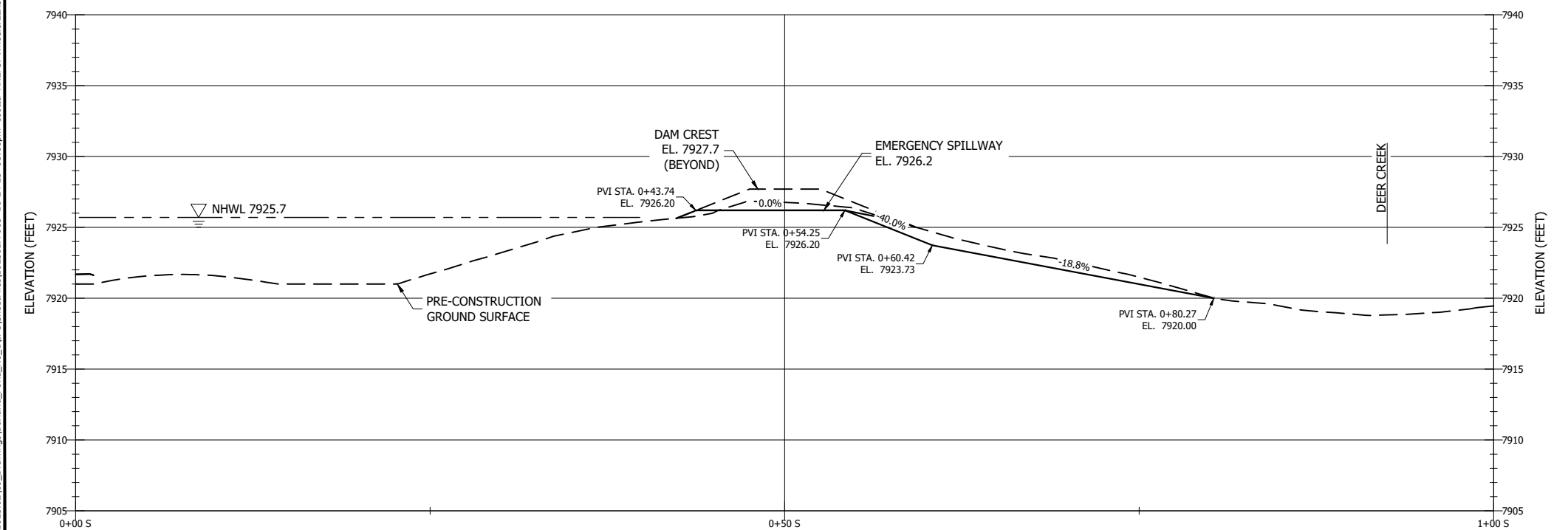
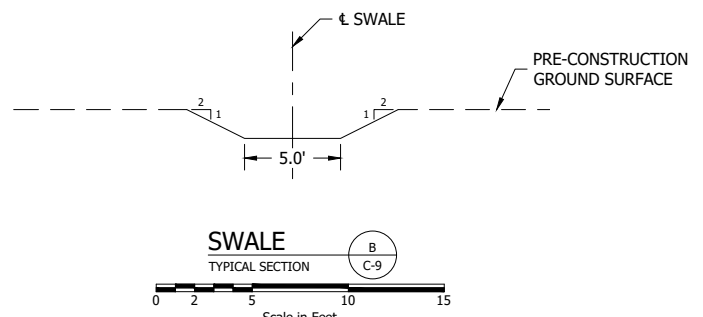
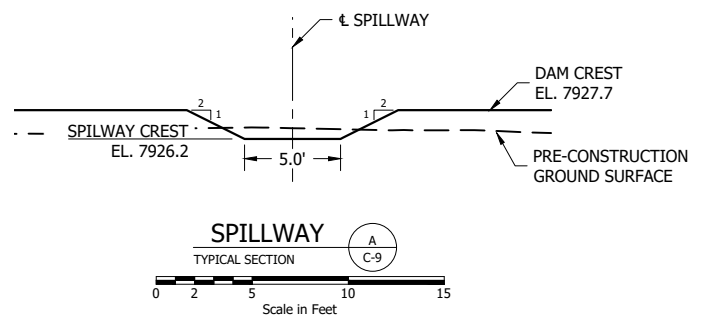
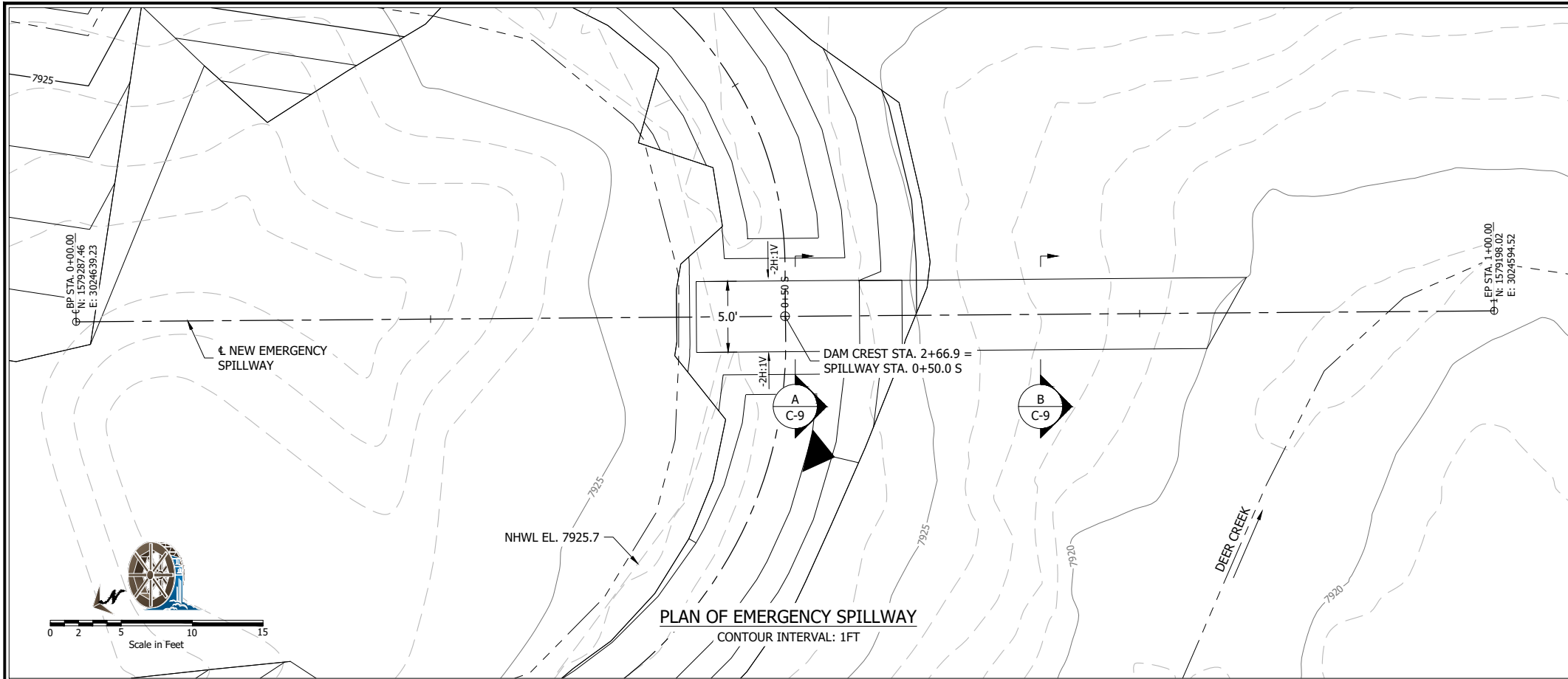
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Water Resources & Geotechnical Engineers
3700 S. INDA STREET | ENGLEWOOD, CO 80110-3405
303-761-4130

BURLAND POND NO. 1
REHABILITATION DESIGN
OUTLET WORKS
FILTER DIAPHRAGM

| CLIENT | | |
|---------------------|-----|------------------------|
| FIRE ADAPTED BAILEY | | |
| DESIGN | JTC | WHEELER NO. 1923.01.00 |
| DRAWN | SAA | SHEET NO. 12 of 15 |
| CHECK | TSS | DRAWING NO. C-8 |
| PLOT DATE | | 10/24/2025 |



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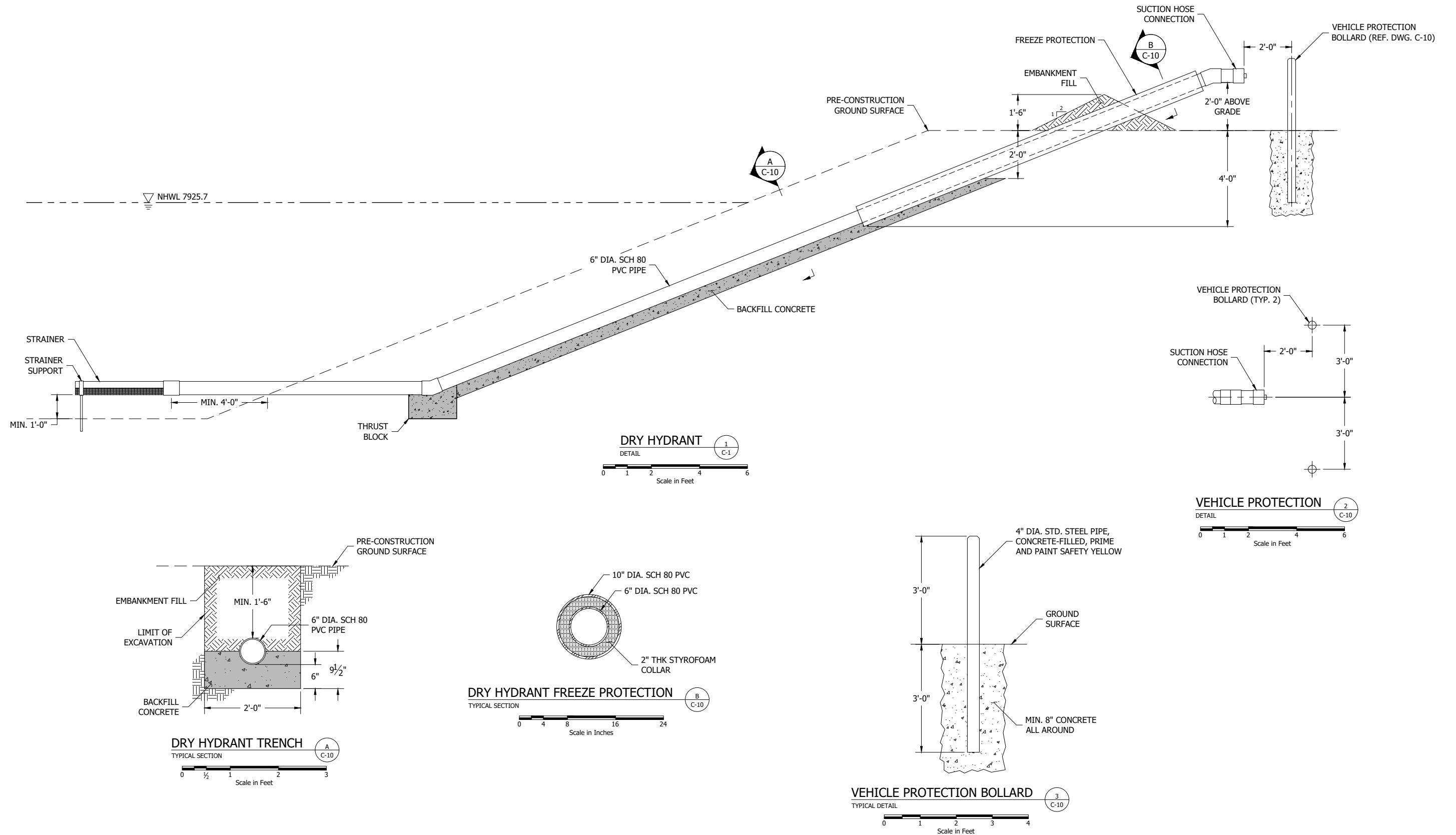
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W. W. WHEELER & ASSOCIATES, INC.
Water Resources & Geotechnical Engineers
3700 S. INDA STREET | ENGLEWOOD, CO 80110-3405
303-761-4130

BURLAND POND NO. 1
REHABILITATION DESIGN
EMERGENCY SPILLWAY
PLAN AND PROFILE

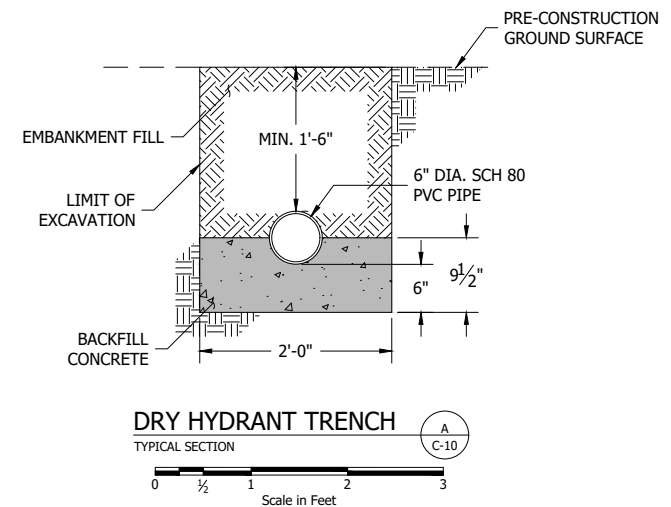
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|---------------------|------------|------------------------|
| FIRE ADAPTED BAILEY | | |
| DESIGN | JTC | WHEELER NO. 1923.01.00 |
| DRAWN | SAA | SHEET NO. 13 of 15 |
| CHECK | TSS | DRAWING NO. C-9 |
| DATE | 10/24/2025 | |

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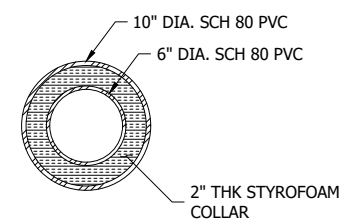


DRY HYDRANT
DETAIL
1
C-10
Scale in Feet

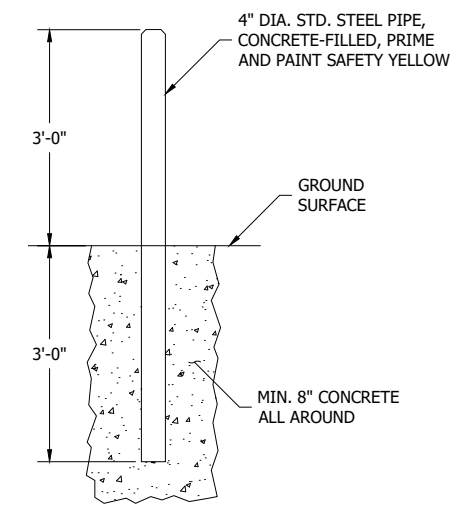
VEHICLE PROTECTION BOLLARD (TYP. 2)
SCALE
2
C-10
Scale in Feet



DRY HYDRANT TRENCH
TYPICAL SECTION
A
C-10
Scale in Feet



DRY HYDRANT FREEZE PROTECTION
TYPICAL SECTION
B
C-10
Scale in Inches



VEHICLE PROTECTION BOLLARD
TYPICAL DETAIL
3
C-10
Scale in Feet

| NO. | DATE | MADE | CHECKED | REMARKS |
|-----|-------|------|---------|-------------------------|
| 1 | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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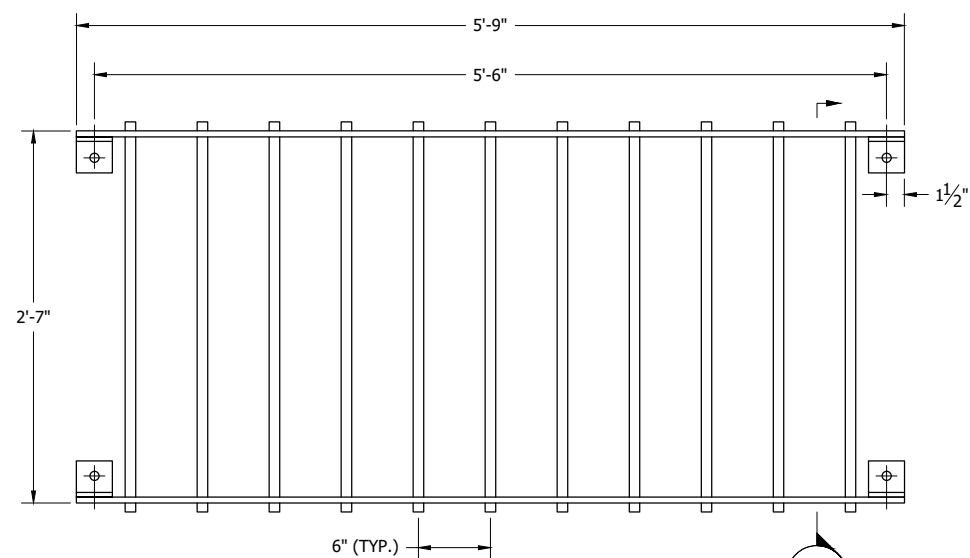
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BURLAND POND NO. 1
REHABILITATION DESIGN
DRY HYDRANT
DETAILS

| CLIENT | | |
|---------------------|------------|------------------------|
| FIRE ADAPTED BAILEY | | |
| DESIGN | JTC | WHEELER NO. 1923.01.00 |
| DRAWN | SAA | SHEET NO. 14 of 15 |
| CHECK | TSS | DRAWING NO. C-10 |
| DATE | 10/24/2025 | |

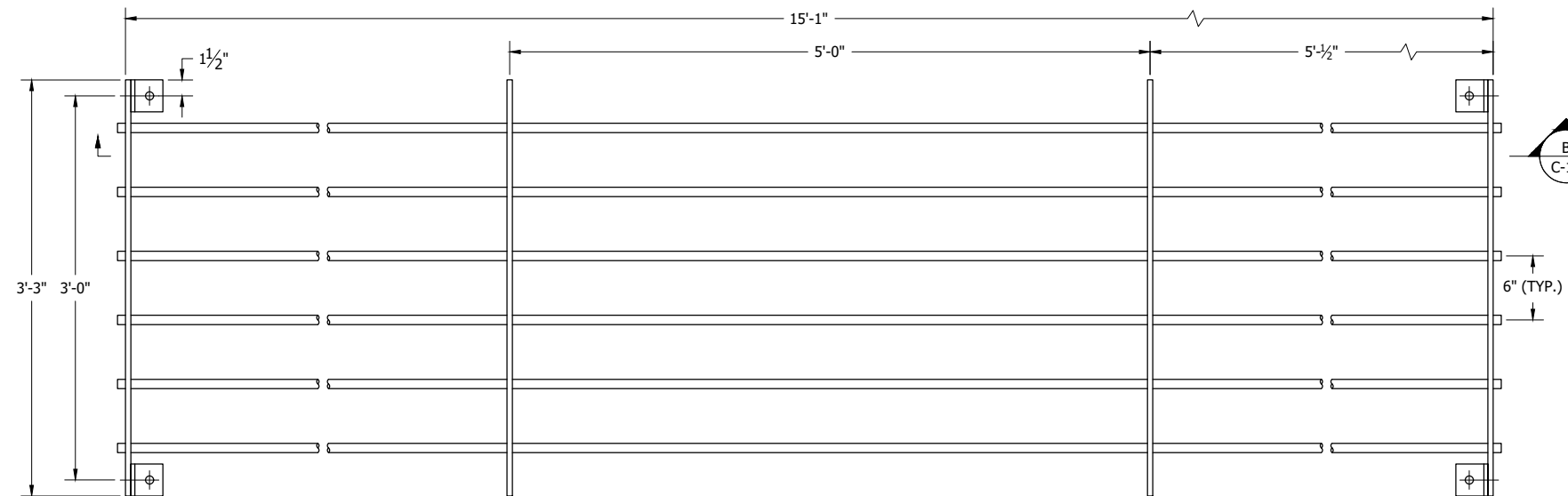
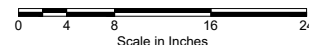
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SERVICE SPILLWAY TRASH RACK

DETAIL

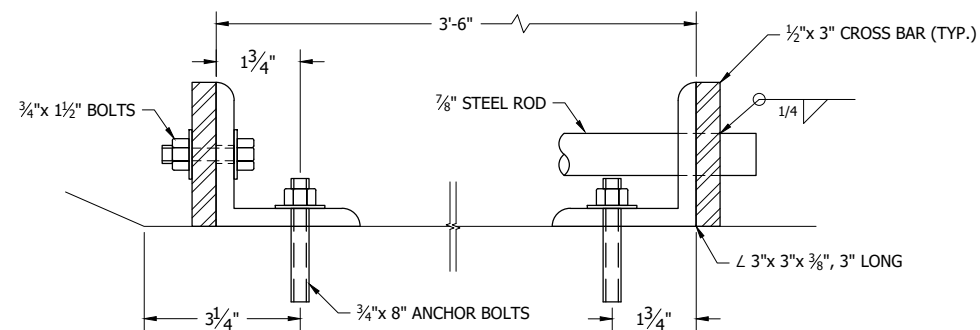
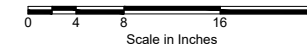
1
C-7



INTAKE STRUCTURE TRASH RACK

DETAIL

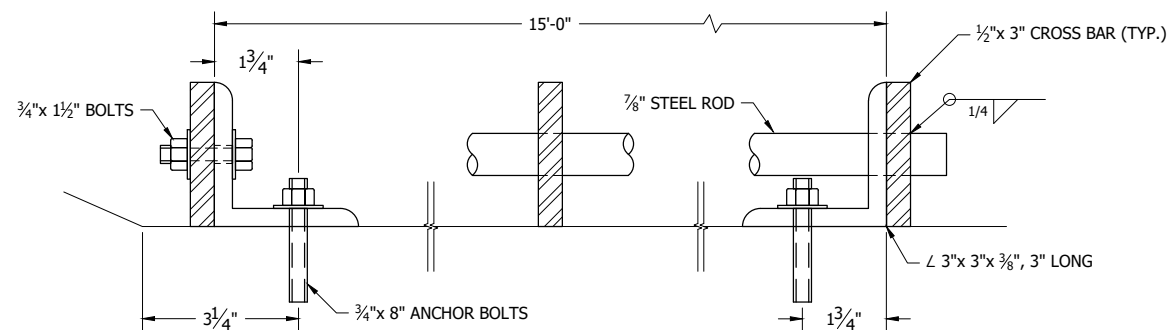
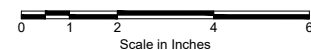
2
C-7



SERVICE SPILLWAY TRASH RACK

SECTION

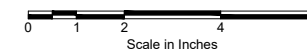
A
C-11



INTAKE STRUCTURE TRASH RACK

SECTION

B
C-11



| NO. | DATE | MADE | CHECKED | REMARKS |
|-----|-------|------|---------|-------------------------|
| 1 | 10/25 | JTC | TSS | ISSUED FOR CONSTRUCTION |
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| REFERENCE | SHEET NO. | DRAWING NO. | TITLE |
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BURLAND POND NO. 1
REHABILITATION DESIGN
TRASH RACKS
DETAILS AND SECTIONS

| 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 10/24/2025 | | |