

PoDI / NHS	
PROJECT OF DIVISION INTEREST (PoDI)?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
NATIONAL HIGHWAY SYSTEM?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. SAR M915-009

LEWIS PALMER TRAIL-PEDESTRIAN BRIDGE

LEWIS PALMER SCHOOL DISTRICT 38

TOWN OF MONUMENT, EL PASO COUNTY, COLORADO

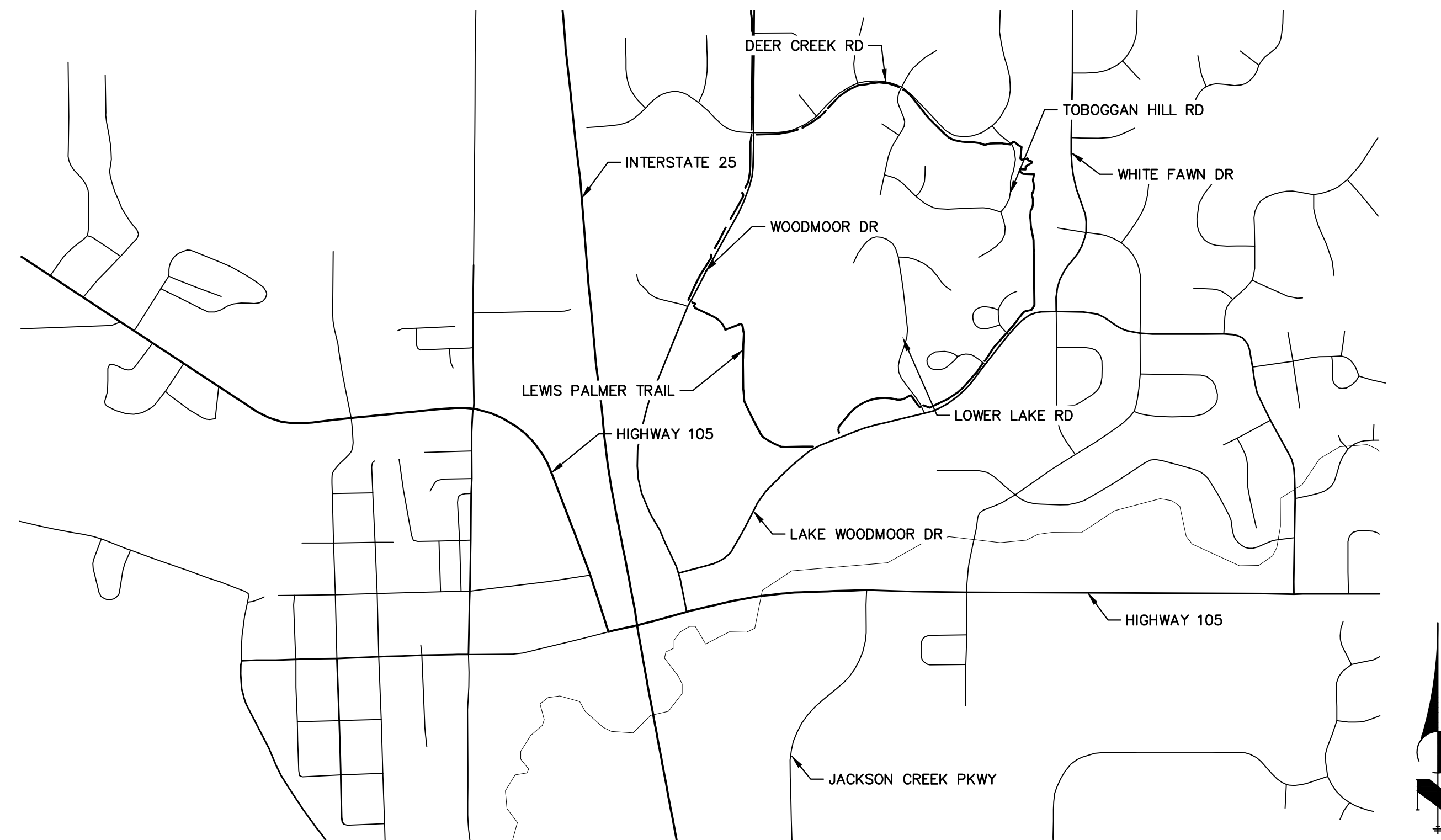
RELATED PROJECT:
P.E. UNDER PROJECT: PROJECT NUMBER: PROJECT CODE:
R.O.W. PROJECT:
TBD

TABULATION OF LENGTH & DESIGN DATA

STATION	PATH LENGTH (FT)
LAKE WOODMOOR DRIVE BEGIN PATH END PATH	1+00.00 4+27.39 327.39

DESIGN DATA

WIDTH	4'
CROSS-SLOPE	5% MAX
MAXIMUM SLOPE	12.5%
PASSING ZONE	5'X5' MAX 1,000' APART
RESTING ZONES	5% MAX SLOPE



VICINITY MAP
SCALE: 1"=1000'

SHEET INDEX

1	- COVER SHEET
2	- STANDARDS PLAN LIST
3	- LEGEND
4	- ABUTMENT EXC. LIMITS & TYP. TRAIL SEC.
5-7	- GEC DETAILS
8	- NOTES
9	- SUMMARY OF APPROXIMATE QUANTITIES
10	- SURVEY TABULATIONS
11	- HORIZONTAL CONTROL PLANS
12	- TRAIL PLAN AND PROFILE
13	- CROSS SECTION
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13	- TOTAL SHEETS
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S1-S10	- BRIDGE PLANS (BY OTHERS)
TS0-TS3	- EXCAVATION PLANS (BY OTHERS)

CONTACTS:

OWNER	LEWIS PALMER SCHOOL DISTRICT 38 146 N. JEFFERSON STREET MONUMENT, CO 80132 ATTN: RICKY VESTAL P~(719) 757-1430
PROJECT PARTNER	WOODMOOR IMPROVEMENT ASSOCIATION 1691 WOODMOOR DR. MONUMENT, CO 80132 ATTN: P~(719) 488-2693
PROJECT PARTNER	WOODMOOR WATER AND SANITATION DISTRICT PO BOX 1407 MONUMENT, CO 80132 ATTN: P~() -
ENGINEER/SURVEYOR	JR ENGINEERING, LLC ATTN: GLENN ELLIS 5475 TECH CENTER DRIVE, SUITE 235 COLORADO SPRINGS, CO 80919 P~(303) 267-6241
CDOT (REGION 2)	COLORADO DEPARTMENT OF TRANSPORTATION 5615 WILLS BOULEVARD PUEBLO, CO 81008 CONTACT: JUNIOR RODRIGUEZ P~(719) 251-6980

EL PASO COUNTY STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

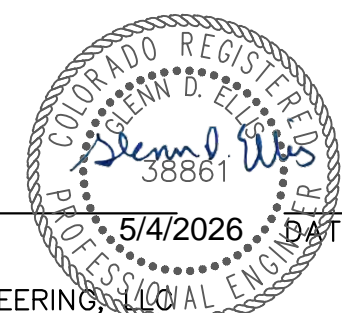
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA J. PALMER, P.E. _____ DATE _____
COUNTY ENGINEER/ECM ADMINISTRATOR

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENCE ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

GLENN D. ELLIS, P.E. _____ DATE 5/4/2026
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC



OWNER/DEVELOPER STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

Ricky Vestal _____ DATE 5/5/26
RICKY VESTAL

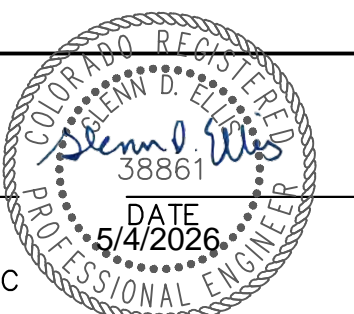
LEWIS PALMER SCHOOL DISTRICT 38
146 N. JEFFERSON STREET
MONUMENT, CO 80132

CDR2514

ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

GLENN D. ELLIS, P.E. _____ DATE 5/4/2026
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC



Print Date: 04/13/2026	Sheet Revisions			Colorado Department of Transportation	As Constructed	LEWIS PALMER TRAIL-BRIDGE		Project No./Code
File Name:	Date:	Comments:	Init.	of Transportation	No Revisions:	COVER SHEET		M915-009/22585
Horiz. Scale: N/A					Revised:	Designer: GG	Structure Numbers	2520300
Unit name						Void:	Detailer: GG	Subset Sheets: OF
						5615 WILL BLVD. Pueblo, CO 81008 Phone: 719-546-5750	5615 WILLS BOULEVARD PUEBLO, CO 81008 CONTACT: JUNIOR RODRIGUEZ P~(719) 251-6980	

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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	---	---
GRAVEL TRAIL	---	---

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 ^o	
SERVICE MARKER	△	
CLEAN-OUT	○	○
MANHOLE W/ DIRECTIONAL FLOW ARROW	⊙	⊙
WATER LINE		
LINE MARKER	Mkr W ^o	
SERVICE MARKER	△	
FIRE HYDRANT	⊕	⊕
FIRE CONNECTION	⊕	⊕
MANHOLE	⊙	●
BEND	⊕	⊕
BLOW-OFF VALVE	⊕	⊕
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 ^o	
SERVICE MARKER	△	
METER	⊕	⊕
VALVE	⊕	⊕
DRY UTILITIES		
CABLE TV MARKER	Mkr TV ^o	
CABLE TELEVISION PEDESTAL	⊕	
ELECTRIC MARKER	Mkr E ^o	
ELECTRIC SERVICE MARKER	△	
ELECTRICAL PEDESTAL	⊕	
ELECTRICAL METER	⊕	
ELECTRICAL MANHOLE	⊕	
FIBER-OPTIC MARKER	Mkr FO ^o	
IRRIGATION PEDESTAL	⊕	
TELEPHONE MARKER	Mkr T ^o	
TELEPHONE PEDESTAL	⊕	

MONUMENTATION LEGEND

ALUMINUM CAP - FOUND	●AC
BRASS CAP - FOUND	●BC
BENCHMARK - FOUND	⊕
CROSS - FOUND	+
MONUMENT - SET	○
MONUMENT - FOUND (DEFAULT)	●
MONUMENT - FOUND (ALTERNATE 1)	■
MONUMENT - FOUND (ALTERNATE 2)	⊕
MONUMENT - FOUND (ALTERNATE 3)	▲
MONUMENT - FOUND (ALTERNATE 4)	▲
MONUMENT - FOUND (ALTERNATE 5)	●
MONUMENT - FOUND (ALTERNATE 6)	●
MONUMENT - FOUND (ALTERNATE 7)	●
NAIL & WASHER - FOUND	●NAIL & WASHER
PANEL - FOUND	⊕
PK NAIL - FOUND	●PK NAIL
ROW MONUMENT - FOUND	⊕
ROW MARKER - FOUND	⊕
SECTION CORNER - FOUND	⊕
SECTION CORNER - SET	⊕
QUARTER-SECTION CORNER - FOUND	⊕
QUARTER-SECTION CORNER - SET	⊕
SECTION CENTER - FOUND	⊕
SECTION CENTER - FOUND	⊕
CONTROL/TRVERSE POINT - SET	△

STORM WATER MANAGEMENT

KEY	SYMBOL
CHECK DAM	⊕
CONSTRUCTION ROAD STABILIZATION	⊕
CURB SOCK INLET PROTECTION	⊕
CONCRETE WASHOUT AREA	⊕
DIVERSION DITCH AND DIKE, TEMPORARY	⊕
DIVERSION CHANNEL, TEMPORARY	⊕
DEWATERING	⊕
EROSION CONTROL BLANKET	⊕
INLET FILTER	⊕
INLET PROTECTION	⊕
MULCHING	⊕
OUTLET PROTECTION	⊕
PAVED FLUME	⊕
PERMENENT SEEDING	⊕
REINFORCED CONCRETE DAM	⊕
ROUGH CUT STREET CONTROL	⊕
SEDIMENT BASIN	⊕
SEDIMENT CONTROL LOG	⊕
SILT FENCE	⊕
SURFACE ROUGHENING	⊕
STABILIZED STAGING AREA	⊕
SEDIMENT TRAP	⊕
STRAW BALE BARRIER	⊕
TERRACING	⊕
TEMPORARY SEEDING	⊕
TEMPORARY STREAM CROSSING CULVERT/BRIDGE	⊕
TEMPORARY STREAM CROSSING FORD TYPE	⊕
TEMPORARY SLOPE DRAIN	⊕
VEHICLE TRACKING CONTROL	⊕
VEHICLE TRACKING CONTROL WITH WASH RACK	⊕

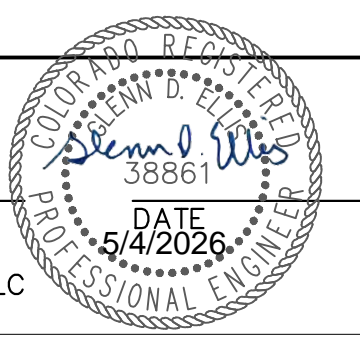
LANDSCAPE LEGEND

	EXISTING	PROPOSED
TREE - CONIFEROUS	⊕	⊕
TREE - DECIDUOUS	⊕	⊕
SHRUB/BUSH	⊕	⊕
SHRUBS AND BUSHES	⊕	⊕
IRRIGATION BOX	⊕	
IRRIGATION SPRINKLER	⊕	
IRRIGATION VALVE	⊕	
BOLLARD	⊕	
FLAGPOLE	⊕	

ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

GLENN D. ELLIS, P.E.
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC



Print Date: 04/13/2026
 File Name:
 Horiz. Scale: N/A Vert. Scale: N/A
 Unit name Unit leader
J-R ENGINEERING
 A Westrian Company
 Centennial 303-740-9393 • Colorado Springs 719-583-2583
 Fort Collins 970-491-9888 • www.jrengineering.com

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2

 Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL-BRIDGE		Project No./Code
No Revisions:	LEGEND		M915-009/22585
Revised:	Designer: GG	Structure Numbers	2520300
Void:	Detailer: GG	Sheet Subset:	Sheet Number 3 OF 13
		Subset Sheets: OF	

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CONSTRUCTION:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2025; AND AS SUBSEQUENTLY REVISED; THE STANDARD PLANS DATED JULY 2019 AND AS SUBSEQUENTLY REVISED, AND IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDED HEREIN.
- THE EXISTING CONDITIONS INDICATED ON THESE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND FOR THE FIT OF ALL NEW CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM WATER AT ALL TIMES, AREAS AND FACILITIES SUBJECTED TO FLOODING, REGARDLESS OF THE SOURCE OF WATER SHALL BE PROMPTLY DEWATERED AND RESTORED AT NO COST TO THE OWNER. THIS SHALL INCLUDE REMOVAL OF ANY DEBRIS CAUSED BY FLOODING.
- LIMITS OF CONSTRUCTION SHALL BE CONFINED TO PUBLIC PROPERTY, RIGHT-OF-WAY, AND EASEMENTS.
- REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS, IRRIGATION, OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL ASSOCIATED COSTS FOR IMPROVEMENTS REPAIR SHALL BE PAID FOR BY THE CONTRACTOR, AT NO EXPENSE TO THE SCHOOL DISTRICT.
- THE CONTRACTOR SHALL NOTIFY THE OWNER 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. A PRECONSTRUCTION MEETING SHALL BE HELD PRIOR TO THE START ON CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE: ONE (1) COPY OF THE PLANS, ONE (1) COPY OF THE CONSTRUCTION SPECIFICATIONS, ONE (1) COPY OF THE STORMWATER MANAGEMENT PLAN FOR THE PROJECT, AND ONE (1) COPY OF THE CDOT SPECIFICATIONS (2019) AT THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPES AS SHOWN ON THE PLANS AND CROSS-SECTIONS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES IN ADDITION TO NORMAL CONSTRUCTION PROCEDURES SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER, AND ANY OTHER ACTIONS WHICH WOULD ALTER EXISTING CONDITIONS. THE CONTRACTOR SHALL NOT CONDUCT ANY OPERATIONS OR STAGING OUTSIDE THE CONSTRUCTION LIMITS SHOWN ON THE PLANS OR THAT NOTED ABOVE.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH IMPACTED UTILITIES TO ASSURE THE TIMELY RELOCATION OF THEIR FACILITIES. THIS COORDINATION SHALL INCLUDE ANTICIPATED UTILITIES AND UNFORESEEN UTILITIES.
- HOT WEATHER AND COLD WEATHER CONCRETE OPERATION SHALL BE PERFORMED IN ACCORDANCE WITH CDOT "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 601. THIS COST SHALL BE INCLUDED IN THE WORK.
- THE SEVERITY OF CONCRETE EXPOSURE SHALL BE CLASS 1.
- THE CONTRACTOR SHALL NOT PARK VEHICLES OR STORE MATERIALS IN THE CLEAR ZONE.
- REMOVAL OF CONCRETE PAVEMENT ON THIS PROJECT SHALL BE SAWCUT PERPENDICULAR TO THE NEAREST JOINT TO A NEAT LINE AND REMOVED. COST OF SAWING TO BE INCLUDED IN THE WORK.

EARTHWORK:

- WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED.
- PRIOR TO MOISTURE DENSITY CONTROL, THE CONTRACTOR SHALL REMOVE ALL TOPSOIL AND SOFT OR DISTURBED SOILS. DEPTH OF MOISTURE – DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS: BASES OF CUTS AND FILLS – 6 INCHES.
- EXCAVATION REQUIRED FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE CONSIDERED AS SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.
- COMPACTION OF SOILS, AGGREGATE BASES, AND STRUCTURAL BACKFILL SHALL BE DETERMINED BY CDOT STANDARD SPECIAL PROVISION REVISION TO 203, 206, 304, & 612 COMPACTION AND SHALL BE INCLUDED IN COST OF THE WORK.
- DEPTH OF TOPSOIL REMOVAL SHALL BE AS DIRECTED BY THE ENGINEER. A MINIMUM OF FOUR (4) INCHES OF TOPSOIL SHALL BE PLACED ON ALL DISTURBED AREAS NOT SURFACED. TOPSOIL TO BE USED IS SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.
- ALL BORROW MATERIAL IMPORTED FOR USE ON THIS PROJECT SHALL HAVE A MINIMUM R VALUE OF 40 FOR EMBANKMENT WHEN TESTED BY THE HVEEM STABILOMETER, AND IS SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO ITS INCORPORATION INTO THE PROJECT. ALL BORROW MATERIAL IMPORTED TO THE SITE SHALL MEET THE RESILIENT MODULUS CRITERIA IN ITS NATURAL STATE – NO MIXING SHALL BE ALLOWED.

DRAINAGE/STORM SEWER NOTES:

- THE CONTRACTOR IS REQUIRED TO KEEP EXISTING DRAINAGE STRUCTURES FUNCTIONAL AND MAINTAIN DRAINAGE TO THOSE STRUCTURES AT ALL TIMES DURING CONSTRUCTION.

BUY AMERICA:

ALL STEEL AND IRON PRODUCTS MUST MEET BUY AMERICA REQUIREMENT PER CDOT SPECIFICATIONS SECTION 106.11. BUY AMERICA CERTIFICATIONS SHALL BE PROVIDED TO THE PROJECT ENGINEER WHEN PRODUCTS ARE DELIVERED TO THE SITE.

PERMITS:

STORMWATER CONSTRUCTION PERMIT

IT IS ANTICIPATED THAT A CDPS STORMWATER CONSTRUCTION PERMIT (SCP) WILL BE REQUIRED FOR THIS PROJECT. THIS WILL BE INCORPORATED INTO THE PERMIT ASSOCIATED WITH THE LEWIS PALMER TRAIL PROJECT (FEDERAL AID PROJECT NO. SAR M915-009).

EL PASO COUNTY RIGHT OF WAY PERMIT

THE CONTRACTOR SHALL OBTAIN A WORK IN RIGHT OF WAY PERMIT FROM EL PASO COUNTY PUBLIC WORKS PRIOR TO CONSTRUCTION.

EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP)

GRADING AND EROSION CONTROL STANDARD NOTES

- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY (EPC) STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE (LDC), THE ENGINEERING CRITERIA MANUAL (ECM), THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME 1 AND 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A PRECONSTRUCTION MEETING BETWEEN THE PERMIT HOLDER(S) AND EL PASO COUNTY SHALL BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER(S) TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF. NO LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES BEYOND THE INSTALLATION OF THE INITIAL CONSTRUCTION CONTROL MEASURES (CCMs), AS INDICATED ON THE APPROVED GEC PLAN OR CDs WITH GEC PLANS, MAY OCCUR PRIOR TO RECEIVING A NOTICE TO PROCEED (NTP) ISSUED BY THE ECM ADMINISTRATOR. FAILURE TO OBTAIN A NOTICE TO PROCEED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES MAY RESULT IN AN IMMEDIATE STOP WORK ORDER (SWO).
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. STORMWATER RUNOFF FROM ALL DISTURBED AREAS AND SOIL STORAGE AREAS MUST UTILIZE OR FLOW TO ONE OR MORE CCM(S) TO MINIMIZE EROSION OR SEDIMENT IN THE DISCHARGE. THE CCM(S) MUST CONTAIN OR FILTER FLOWS IN ORDER TO PREVENT THE BYPASS OF FLOWS WITHOUT TREATMENT AND MUST BE APPROPRIATE FOR STORMWATER RUNOFF FROM DISTURBED AREAS AND FOR THE EXPECTED FLOW RATE, DURATION, AND FLOW CONDITIONS (e.g., SHEET OR CONCENTRATED FLOW).
- ALL CCMs SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATION CONDITON UNTIL FINAL STABILIZATION IS ACHIEVED. THE QUALIFIED STORMWATER MANAGER (QSM) SHALL ASSESS THE ADEQUACY OF CCMs AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CCMs ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CCMs.
- PRIOR TO CONSTRUCTION THE PERMIT HOLDER(S) SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QSM. THE SWMP SHALL BE LOCATED ON-SITE OR DIGITALLY ACCESSIBLE AT THE TIME DURING CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED AS WRITTEN FROM THE START OF THE CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED. THE QSM SHALL AMEND THE SWMP WHEN THERE IS CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE WHICH WOULD REQUIRE THE IMPLEMENTATION OF NEW OR REVISED CCMs OR IF THE SWMP PROVES TO BE INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY OR WHEN CCMs ARE NO LONGER NECESSARY AND ARE REMOVED. THE QSM SHALL MAINTAIN A RECORD OF AMENDMENTS MADE TO THE SWMP THAT INCLUDES THE DATE AND IDENTIFICATION OF THE CHANGES.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A RECEIVING WATER UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED. IN ADDITION TO MAINTAINING 50 HORIZONTAL FEET OF PRE-EXISTING VEGETATION UPGRADEMENT OF A RECEIVING WATER (UNLESS INFEASIBLE AND APPROVED), THE PERMIT HOLDER(S) MUST INSTALL CCMs UPGRADEMENT OF THE VEGETATIVE BUFFER.
- TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- EROSION CONTROL BLANKET (ECB) OR OTHER APPROVED CONTROL MEASURE(S) SHALL BE SUED ON SLOPES STEEPER THAN 3:1.
- VEHICLE TRACKING CONTROL (VTC) MUST BE IMPLEMENTED TO MINIMIZE VEHICLE TRACKING OF SEDIMENT FROM DISTURBED AREAS. VTCs MUST INCLUDE A STRUCTURE CONTROL MEASURE (e.g., TRACKING PAD) AND MAY INCLUDE NON-STRUCTURAL CONTROL MEASURE (e.g., SWEEPING). MATERIAL TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- ANY TEMPORARY OR PERMANENT CONTROL MEASURE DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER, PERMANENT CONTROL MEASURES (PCMs), OR DITCHES EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- ALL PCMs SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF THE PCMs MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- SOIL COMPACTION MUST BE MINIMIZED IN AREAS WHERE INFILTRATION PCMs WILL BE INSTALLED OR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION PCMs SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF SOIL COMPACTION DOES OCCUR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER OR IN AREAS WHERE INFILTRATION PCMs WILL BE INSTALLED, DECOMPACTION OF THE SOIL MUST BE COMPLETED PRIOR TO PLANTING OR INSTALLATION OF PCM(S). AN INFILTRATION TEST MUST BE CONDUCTED FOR ALL INFILTRATION PCMs AND THE INFILTRATION TEST RESULTS SUBMITTED TO EL PASO COUNTY PRIOR TO PRELIMINARY ACCEPTANCE (PA).
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND PERMANENT STABILIZATION METHODS ARE COMPLETE. WHEN USING VEGETATIVE COVER AS A PERMANENT STABILIZATION METHOD, THE VEGETATION SHALL BE EVENLY DISTRIBUTED PERENNIAL VEGETATION AND OF THE VARIETY AND SPECIES FOUND IN THE COUNTY-APPROVED SEED MIXES OR IN THE APPROVED GEC PLAN. VEGETATION COVERAGE SHALL BE, AT A MINIMUM, EQUAL TO 70% OF WHAT WOULD HAVE BEEN PROVIDED BY NATIVE VEGETATION IN A LOCAL, UNDISTURBED AREA OR ADEQUATE REFERENCE SITE. ALL TEMPORARY CCMs SHALL BE REMOVED UPON FINAL STABILIZATION AND PRIOR TO STORMWATER PERMIT TERMINATION.
- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCES SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO BE DISCHARGED OFFSITE OR TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR CONTROL MEASURES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT C06080000 WILL BE REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- THE PERMIT HOLDER(S) SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. APPROPRIATE Cms SHALL BE UTILIZED BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- BULK STORAGE (i.e., INDIVIDUAL CONTAINERS OF 55 GALLONS OR GREATER) OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION, OR EQUIVALENT PROTECTION, TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
- NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- ON AREAS OF EXPOSED SOIL, MINIMIZE DUST THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES. WATER APPLICATION MUST BE CONDUCTED IN A MANNER TO PREVENT DISCHARGE OFFSITE UNLESS AUTHORIZED BY A CDPS OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- FOR SITES WHERE A SOIL REPORT IS REQUIRED, THE APPROVED SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.
- PERMIT HOLDER(S) AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUME 2, AND THE ENGINEERING CRITERIA MANUAL. ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE OR LESS THAN 1 ACRE AND PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WOULD DISTURB 1 OR MORE ACRES, THE PERMIT HOLDER(S) SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE (COR400000 PERMIT) TO THE CDPHE WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GEC PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD – PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

UTILITIES:

- UTILITIES AS SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM SURVEY SHOTS OF SURFACE FEATURES. THE CONTRACTOR'S ATTENTION IS DIRECTED TO PARAGRAPH 105.11 OF THE STANDARD SPECIFICATION CONCERNING UTILITIES. FOR UTILITY LOCATES, THE CONTRACTOR SHALL CALL THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 OR 1-800-922-1987 AT LEAST TWO (2) WORKING DAYS (NOT INCLUDING THE INITIAL DAY OF CONTACT) PRIOR TO DIGGING, GRADING OR EXCAVATING.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THE DRAWINGS HAVE BEEN PLOTTED FROM SURVEY SHOTS OF SURFACE FEATURES. IT IS HOWEVER THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION AND TO NOTIFY THE ENGINEER OF ANY DISCREPANCY. ALL CONFLICTING UTILITIES SHALL BE EXPOSED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND INSPECTION BY THE ENGINEER TO VERIFY CONFORMANCE WITH THE PLANS. RELOCATION OF EXISTING UTILITIES IS NOT A PART OF THIS CONTRACT EXCEPT AS SHOWN ON THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF UTILITY RELOCATION BY UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITIES DURING CONSTRUCTION AND SHALL HOLD THE SCHOOL DISTRICT HARMLESS FOR DAMAGES ARISING FROM CONTRACTOR'S FAILURE TO ADEQUATELY PROTECT EXISTING UTILITIES.
- THE CONTRACTOR SHALL REFERENCE THE PROJECT TECHNICAL SPECIFICATIONS FOR ADDITIONAL ITEMS THE CONTRACTOR SHALL ADHERE TO IN COOPERATION WITH UTILITIES.

SIGNING, STRIPING, TRAFFIC CONTROL NOTES:

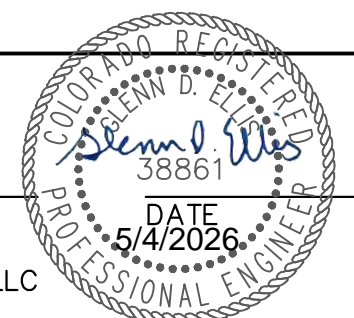
- CONSTRUCTION TRAFFIC CONTROL SHALL CONFORM THE THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CDOT STANDARD 5-630-1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A METHOD OF HANDLING TRAFFIC (MHT) TO THE ENGINEER FOR APPROVAL FOR EACH APPLICABLE PHASE OF WORK. ALL COST FOR CONTROLLING TRAFFIC DURING CONSTRUCTION SHALL BE INCLUDED IN ITEM 630 – CONSTRUCTION TRAFFIC CONTROL (LS).
- THE CONTRACTOR IS RESPONSIBLE FOR SECURING AND DELINEATING THE SITE DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO, AT HIS OWN EXPENSE, REPLACE ANY SIGNS THAT ARE DAMAGED OR LOST DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL, INCLUDING PEDESTRIAN TRAFFIC CONTROL, BICYCLE TRAFFIC, PARK USERS AND ON STREET PARKING. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD AND ANY CDOT STANDARDS. ALL TRAFFIC CONTROL IS TO BE APPROVED BY THE SCHOOL DISTRICT PRIOR TO INSTALLATION. COST SHALL BE INCLUDED IN PAY ITEM 630-TRAFFIC CONTROL. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLANS TO CDOT FOR APPROVAL 2 DAYS PRIOR TO CONSTRUCTION.
- SIGNS MUST MEET CURRENT MUTCD STANDARDS FOR ROADS, AND BE HIGH INTENSITY PRISMATIC SHEETING.
- POST AND MOUNTS – POST AND MOUNTS SHALL BE NCHRP 350 COMPLIANT.
- POST – 12 GAUGE 1-3/4" 12' TALL PERFORATED SQUARE POSTS.



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ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION



GLENN D. ELLIS, P.E.
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC

Print Date: 04/13/2026	Sheet Revisions			Colorado Department of Transportation	As Constructed		LEWIS PALMER TRAIL-BRIDGE		Project No./Code	
File Name:	Date:	Comments	Init.		No Revisions:		NOTES		M915-009/22585	
Horiz. Scale: N/A	Vert. Scale: N/A			 5615 WILL BLVD. Pueblo, CO 81008 Phone: 719-546-5750 Region 2	 Lewis Palmer School District 38	Revised:	Designer:	GG	Structure	2520300
Unit name	Unit leader					Void:	Detailer:	GG	Numbers	
J-R ENGINEERING A Westrian Company Centennial 303-740-9393 • Colorado Springs 719-593-2583 Fort Collins 970-491-9888 • www.jrengineering.com						Sheet Subset:	Subset Sheets:	OF	Sheet Number 8 OF 13	

CDOT ITEM NO.	DESCRIPTION	UNIT	QUANTITY	
			PLAN	AS CONST.
201-00000	Clearing and Grubbing	LS	1	
203-00060	Embankment Material (Complete In Place)	CY	18	
206-00050	Structural Backfill (Special)(#57/#67)	CY	145	
208-00000-SPC	Erosion Control	LS	1	
208-00046	Pre-fabricated Concrete Washout Structure	EACH	1	
208-00070	Vehicle Tracking Pad	EACH	1	
212-00006	Seeding (Native)	ACRE	0.1	
213-00000	Mulching	ACRE	0.1	
213-00061	Mulch Tackifier	LB	50	
306-01000	Reconditioning	SY	115	
608-01550	Place Asphalt Millings	SY	115	
620-00020	Sanitary Facility	EACH	1	
625-00000	Construction Surveying	LS	1	
626-00000	Mobilization	LS	1	
630-10005	Traffic Control	LS	1	
631-00000	Pedestrian Bridge Installation	LS	1	
700-70010	F/A Minor Contract Revisions	FA	1	

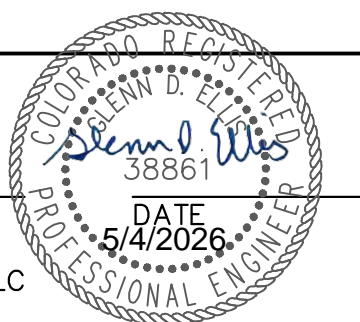


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Print Date: 04/13/2026

File Name:

Horiz. Scale: N/A Vert. Scale: N/A

Unit name Unit leader

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Sheet Revisions		
Date:	Comments	Init.
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Colorado Department of Transportation

5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750

Region 2 Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL-BRIDGE		Project No./Code
No Revisions:	SUMMARY OF APPROXIMATE QUANTITIES		M915-009/22585
Revised:	Designer: GG	Structure Numbers	2520300
Void:	Detailer: GG	Sheet Subset:	Sheet Number 9 OF 13
	Sheet Subset:	Subset Sheets: OF	

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TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION:

- Format *
- 3D Design Modeling Electronic Files _____
 - Horizontal Control PLAN SHEET
 - Vertical Control PLAN SHEET
 - Roadway Alignment DWG
 - Original Terrain Data _____
 - Other: _____

* Specify the information format, ie., plan sheet, computer disk, computer printout, or other. The information marked is either contained on the plans or is available from the Engineer.

TYPE OF PROJECT

- Landscaping
- Signalization
- Safety Improvement
- Asphalt Overlay
- Concrete Overlay
- Minor Widening
- Major Reconstruction
- New Roadway Construction
- Bridge Replacement
- Bridge Widening
- New Bridge
- Other: _____

SURVEY WORK TO BE PERFORMED BY OTHERS: _____

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 625:

- A complete passing Base Line report (completed within 6 months prior to the start of the project)
- An instrument calibration Certification (completed within 6 months prior to the start of the project)
- Establish and Maintain Project Centerline or Engineer Approved Offset Line(s)
- Verification and Maintenance of Horizontal and Vertical Control
- Verify or Determine existing grades and alignments
- Verify or Determine existing topography
- Clearing and Grubbing Limits (Section 201)
- Removal Limits (Section 202)
- Reset Items (Section 210)
- Excavation and Embankment (Section 203)

- Excavation
- Unclassified
 - Stripping
 - Muck
 - Rock
 - Borrow
 - Other: _____
 - Potholing

- Embankment
- Site Grading
 - Erosion Control (Perm)
 - Other: _____

As Staked Earthwork Quantities (See General Notes)

- Landscaping
 - Top Soil (Section 207)
 - Seeding (Section 212)
 - Mulching (Section 213)
 - Planting (Section 214)
 - Herbicide (Section 217)
 - Other: _____

- Erosion Control (Section 208)
 - Seeding (Temp)
 - Silt Fence
 - Erosion Bales
 - Erosion Logs
 - Riprap (Temp)
 - Other: _____

- Roadway Bases
 - Untreated Subgrade
 - Treated Subgrade
 - Aggregate Base Course (Section 304)
 - Reconditioning
 - PMBB - Plant Mix Bituminous Base
 - Other: _____

	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
Excavation	Y	N	Y	N
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
Embankment	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

	Grid (Y/N)	Grade (Y/N)	Special Interval	Special Offset
Roadway Bases	-	-	-	-
	-	-	-	-
	N	Y	N	N
	-	-	-	-
	-	-	-	-

- Pavements
 - HMA - Hot Mix Asphalt (Section 403)
 - Concrete (Section 412)
 - Heating & Scarifying Treatment
 - Prime Coat, Tack Coat & Rejuvenating Agent (Section 407)
 - Seal Coat or Chip Seal (Section 409)
 - Other: ASPHALT MILLINGS

	Grid (Y/N)	Special Interval	Special Offset
Pavements	-	-	-
	-	-	-
	-	-	-
	-	-	-
	N	N	N
	-	-	-

- Roadway Elements
 - Curb and Gutter (Section 609)
 - Drop inlets - alignment and grades (Section 604)
 - Retaining Walls
 - Guard Rail (Section 606)
 - Sidewalk (Section 608)
 - Overlay Stationing
 - Other: _____

	Tangent Interval	Curve Interval	Special Offset
Curb & Gutter	-	-	-
	-	-	-

- Riprap (Perm) (Section 506)
- Slope and Ditch Paving (Section 507)

- Minor Structures
 - Structure Excavation Limits (Section 206)
 - Culverts (Section 603)
 - Culverts w/ Headwalls and Wingwalls (Section 601)
 - Concrete Box Culverts w/ Headwalls and Wingwalls
 - Pipes (Section 603)
 - Sanitary Sewer
 - Storm Sewer
 - Water
 - Irrigation
 - Miscellaneous
 - Manholes (Section 604)
 - Inlets (Section 604)
 - Permanent Water Quality BMP (Section 208)
 - Other: _____

	Left Interval	Center Interval	Right Interval
Stationing	-	-	-
	-	-	-

- Major Structures - Overhead Signs (Section 614), Concrete Box Culverts, Bridges - and all other structures assigned a structure number
 - Structure Excavation Limits (Section 206)
 - Concrete Box Culverts (Section 603) w/ Headwalls and Wingwalls (Section 601)
 - Piling locations and cut off elevations (Section 502)
 - Caisson locations and elevations (Section 503)
 - Footing locations, alignment, and elevations
 - Abutment/Pier locations, alignment, and elevations
 - Wingwall skew angles/offsets
 - Structural concrete form locations
 - Substructure As-constructed survey required for Bridges (Subsection 601 .12) and Overhead signs (S-614-50)
 - Bridge expansion joint(s) alignment and grade (longitudinal and transverse)
 - Deck grades at Girder 10th or 'n' th point locations and elevations
 - Slope and Ditch Paving (Section 507)
 - Other: _____

- Fencing (Section 607)
 - Temporary
 - Permanent
 - Sound Barrier
 - Other: _____

- Delineators (Section 612)
 - Temporary
 - Permanent

- Lighting (Section 613) and Traffic Control Devices (Permanent) (Section 614)
 - Signal pole locations and elevations
 - Light pole locations and elevations
 - Sign locations
 - Field verify sign post locations, elevations, and lengths before fabrication.
 - Other: _____

- Pavement Marking (Section 627)
 - Striping (Temp)
 - Striping (Perm)
 - Symbols
 - Other: _____
- Temporary Lighting and Construction Traffic Control Devices (Section 630)
 - Signal pole locations and elevations (Temp)
 - Light pole locations and elevations (Temp)
 - Sign Locations (Temp)
 - Other: _____
- All Easements (Temp Staking by P.L.S. Only)
- Right of Way (Temp Staking by P.L.S. Only)

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 629:

- Monumentation (Section 629)
 - Control
 - Right of Way
 - Land corners, Aliquot corners
 - Easements
 - Reference the specified existing monuments: _____
 - Replace the specified existing monuments: _____
 - Locate monuments. It is estimated _____ hours are required.

NOTE: All 629 items shall include adequate research, calculations, and evaluations of evidence for monuments to be set.

** A Tabulation of Survey Monuments may be provided on the plans.

GENERAL NOTES:


- Unless indicated otherwise on this Survey Tabulation Sheet, all survey work and staking intervals shall be done in accordance with the latest edition of the CDOT Survey Manual.
- Adequate information for establishing lines, grades, and locations for all work items have been specified on the plans. Any additional information required to stake the item or element shall be generated by the Contractor's surveyor.
- The Contractor's surveyor shall provide an estimate of the man-hours necessary to complete the work items indicated on this sheet. A copy of this sheet, with the estimated man-hours written on the blank line to the left of the specified items, shall be submitted with the Survey Schedule to the Engineer 5 days prior to the Presurvey Conference - Construction Survey.
- Stakes and Monuments which are damaged or destroyed by the progress of construction shall be replaced by the Contractor at no additional cost to the Department.
- The Contractor shall furnish an As Staked (or 3D Design Modeling Electronic Files) Earthwork Quantity report to the Engineer prior to completion of twenty percent (20%) of the planned earthwork in any phase as per the CDOT Survey Manual. A printed copy of the As Staked (or 3D Design Modeling Electronic Files) Earthwork data report and a computer disk with that information on it, in the specified format shall be submitted to the Engineer. The Contractor shall field verify original ground cross sections at a maximum 500 feet intervals.
- Prior to beginning work on any subsequent operation, such as placing base course or paving, the Contractor shall certify in writing to the Engineer that the final grade is within specified tolerance.
- The Contractor's surveyor shall perform all field surveying and calculations necessary to tie plan grades into field grades.
- The Contractor shall coordinate construction staking on the project with any utility work.
- Fieldbooks shall contain daily records of points set and or measurements observed. The information recorded shall contain: date, crew members' names, point no., description, staking information, and sketches. If the survey information is collected electronically, information recorded shall be provided to the Project Engineer in a hard copy format that is intuitive, clear and related to the supplemental information recorded in the field books. All linear surveys, such as slope stakes and blue tops, shall have the station and offset information related to the measured information. Non-linear surveys such as structures staking shall have sketches relating electronic information, such as point numbers, to the sketch.
- The Contractor's surveyor shall submit the following fieldbooks to the Engineer:
 - Horizontal Control (Primary & Secondary)
 - Vertical Control (i.e. Benchmarks)
 - Property Pin Ties
 - Horizontal Alignment
 - Grading
 - Slope Staking
 - Minor Structures
 - Major Structures
 - One fieldbook for each work category shown on this sheet
 - Other Fieldbook(s): _____
- The Contractor's surveyor shall submit the following (prior to surveying on the project) to the Engineer:
 - All required Instrument Calibrations

Print Date: 04/13/2026

File Name: _____

Horiz. Scale: N/A Vert. Scale: N/A


Unit name: _____ Unit leader: _____



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Sheet Revisions		
Date:	Comments	Init.

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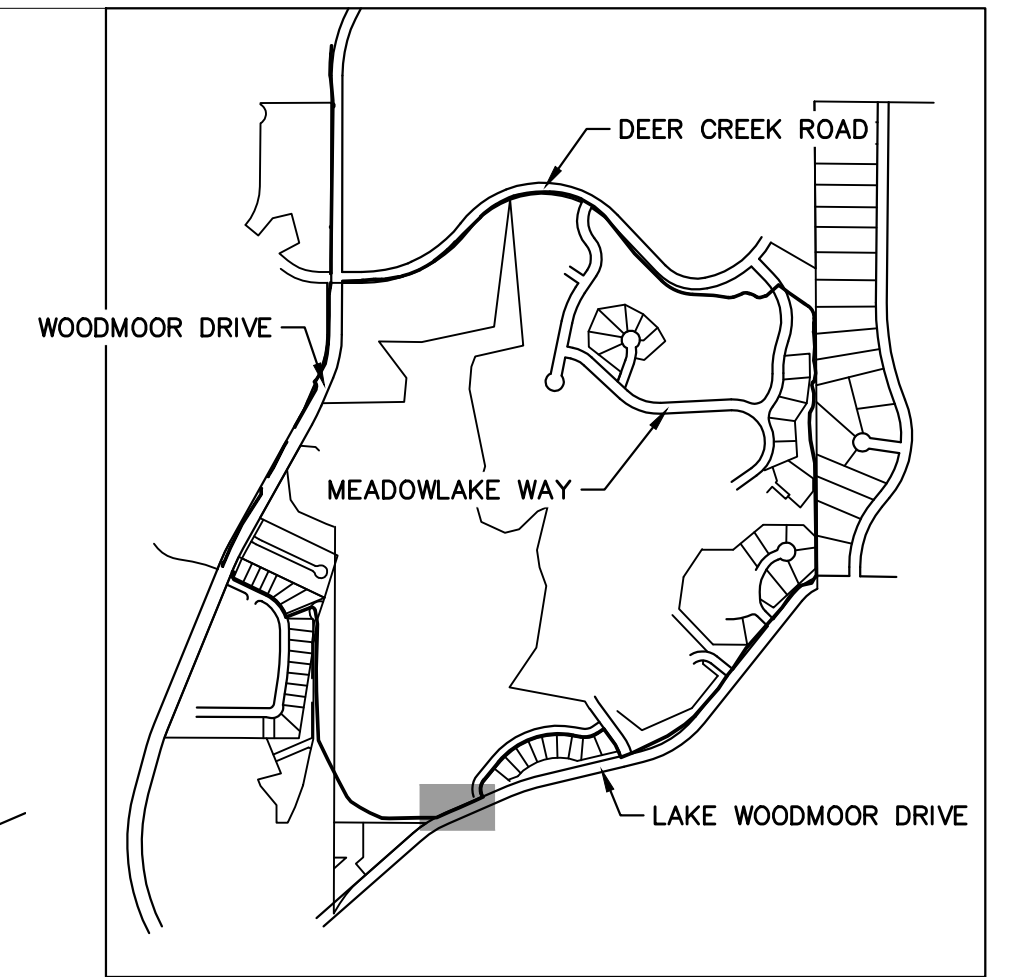
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Pueblo, CO 81008
Phone: 719-546-5750



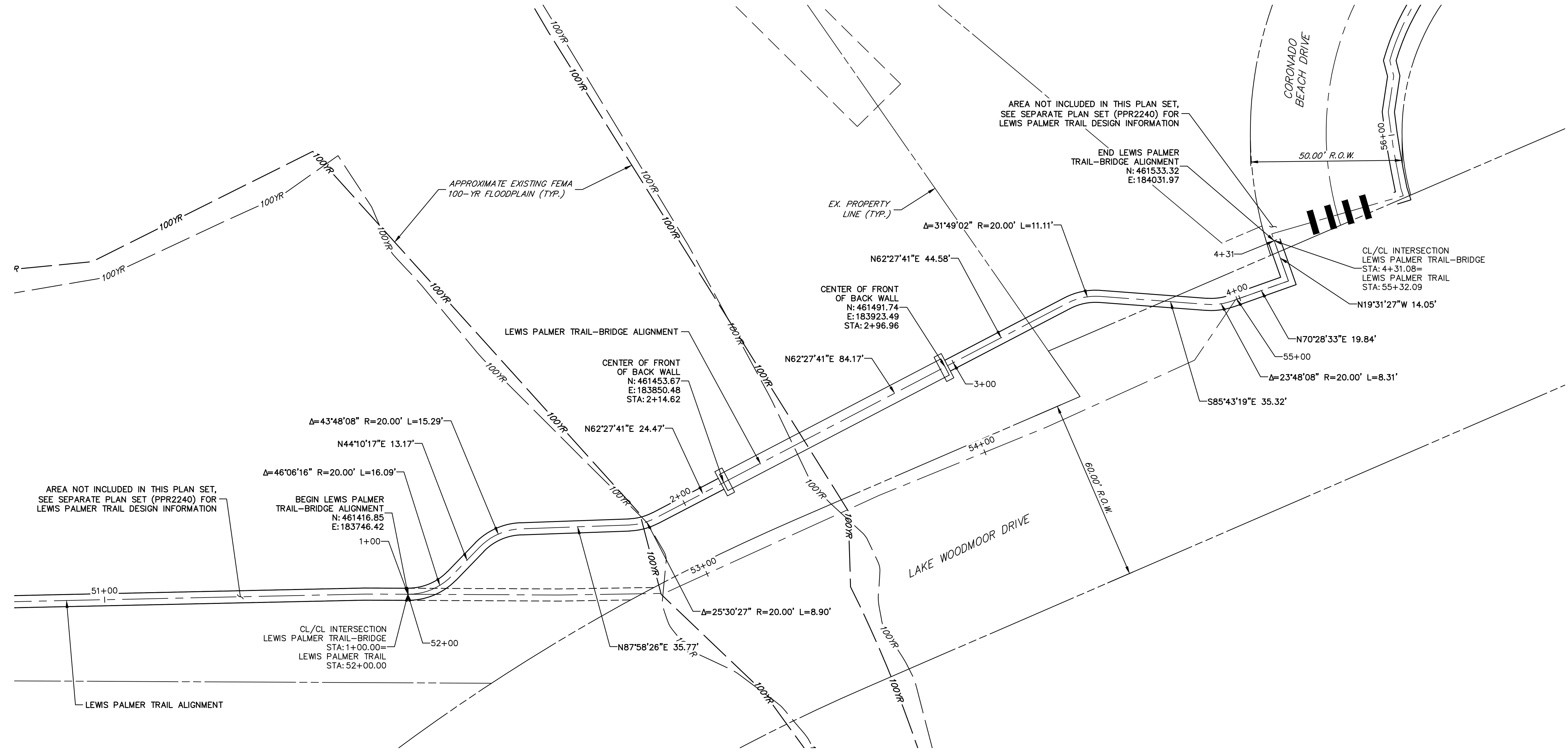
Region 2 Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL-BRIDGE SURVEY TABULATIONS			Project No./Code
No Revisions:				M915-009/22585
Revised:	Designer:	GG	Structure Numbers	2520300
Void:	Detailer:	GG	Sheet Subset:	Sheet Number 10 OF 13
	Sheet Subset:	Subset Sheets:	OF	

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KEY MAP
SCALE: NOT TO SCALE



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20 10 0 20 40
ORIGINAL SCALE: 1" = 20'

Print Date: 04/13/2026

File Name:

Horiz. Scale: 1"=20' Vert. Scale: N/A

Unit name Unit leader

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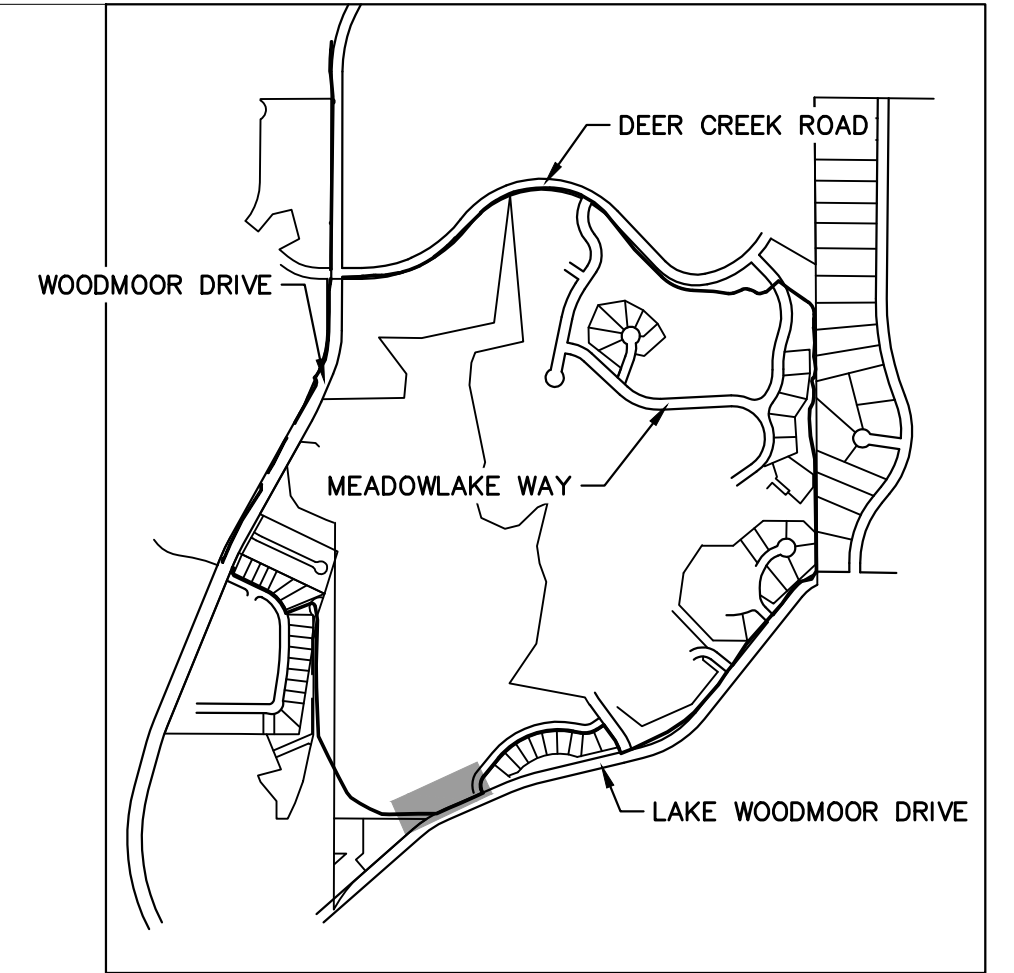
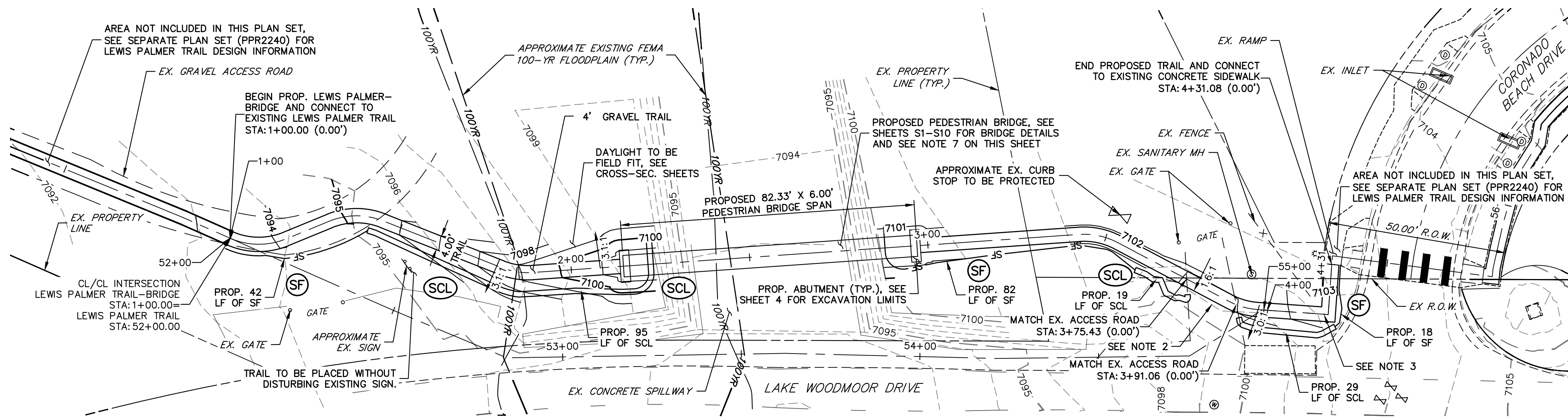
Region 2 Lewis Palmer School District 38

As Constructed
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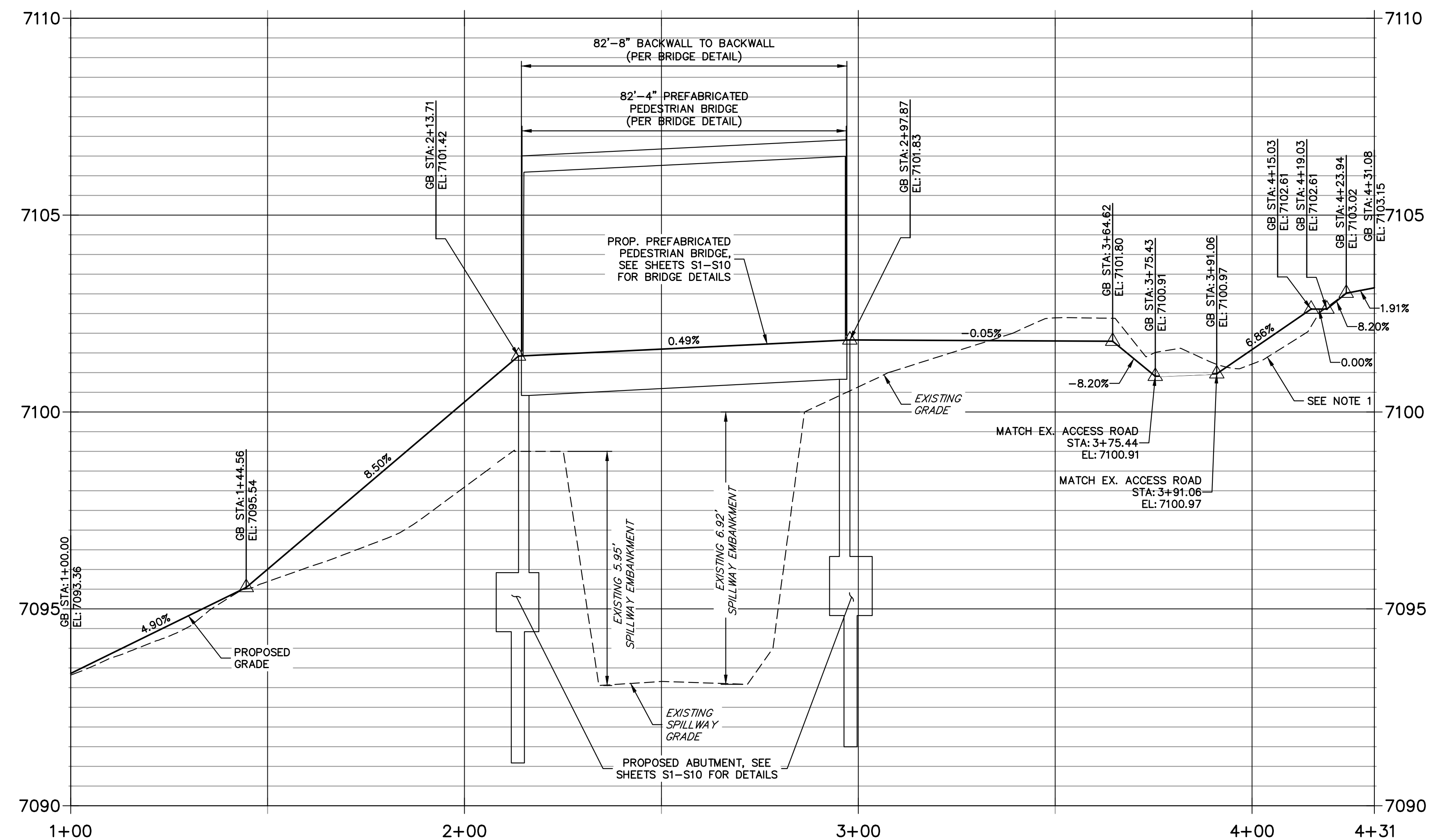
LEWIS PALMER TRAIL-BRIDGE HORIZONTAL CONTROL PLANS			
Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

Project No./Code
M915-009/22585
2520300
Sheet Number 11 OF 13

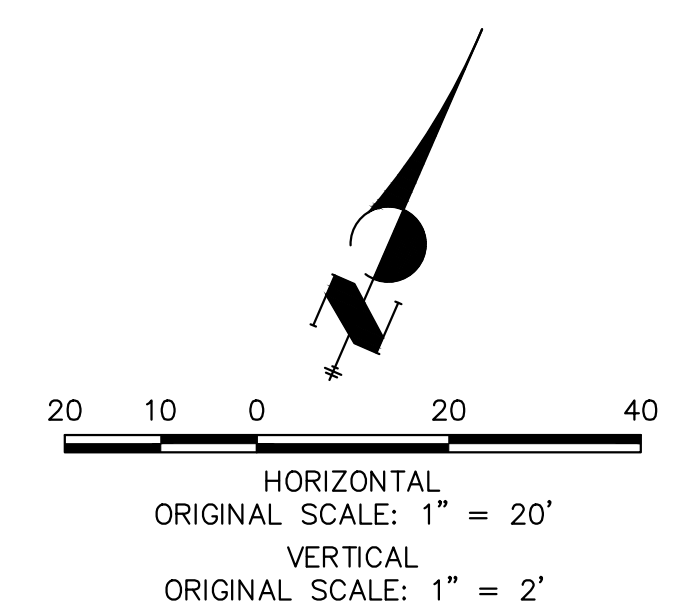
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**LEWIS PALMER TRAIL-BRIDGE PROFILE
STA 1+00.00 TO 4+31.08**

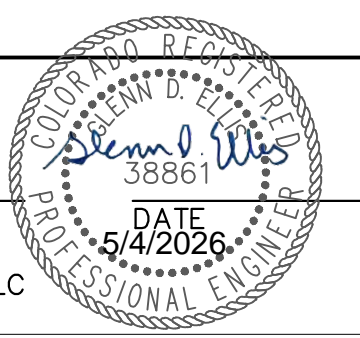


- NOTES**
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THIS SECTION THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT AND BECOMING FAMILIAR WITH THESE LOCATIONS. IF THE CONTRACTOR DETERMINES THAT CHANGES HAVE BEEN MADE THAT IMPACT THE TRAIL DESIGN, THE SCHOOL DISTRICT AND ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF THE SEGMENT OF TRAIL POTENTIALLY IMPACTED.
 2. TRAIL TO MATCH EXISTING GRADE ACROSS ACCESS ROAD.
 3. EXISTING LANDSCAPE ROCK BETWEEN STA. 4+13.98 AND STA. 4+31.08 SHALL BE MOVED AND ADDED TO EXISTING ROCK ADJACENT TO PROPOSED TRAIL.
 4. EXISTING DRAINAGE PATHS AND PATTERNS SHALL BE MAINTAINED.
 5. SEE SEPARATE PLAN SET (PPR2240) BY JR ENGINEERING FOR THE LEWIS PALMER TRAIL CONNECTIONS.
 6. CONSTRUCTION PLANS WILL NEED TO BE APPROVED BY DIVISION OF WATER RESOURCES DAM SAFETY BRANCH PRIOR TO COMMENCING CONSTRUCTION.
 7. CONTRACTOR SHALL REVIEW BRIDGE PLANS TO CONFIRM PLACEMENT OF ABUTMENT WITH DIMENSIONING AS WELL AS PLACEMENT OF ANCHOR BOLTS, AND SHALL PROVIDE SHOP DRAWINGS SHOWING PLACEMENT OF ABUTMENT, ANCHOR BOLTS, AND BRIDGE STRUCTURE PRIOR TO CONSTRUCTION OF ABUTMENTS.
 8. CONTRACTOR SHALL FOLLOW THE EXCAVATION PLAN PROVIDED, AND SHALL SUBMIT AN ALTERNATIVE EXCAVATION PLAN IF MODIFICATIONS TO THE PLAN ARE DESIRED.



ENGINEER'S STATEMENT
PREPARED UNDER MY SUPERVISION

GLENN D. ELLIS, P.E.
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC



Print Date: 04/13/2026
File Name:
Horiz. Scale: 1"=20' Vert. Scale: 1"=2'
Unit name Unit leader
J-R ENGINEERING
A Westrian Company Centennial 303-740-9393 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
CDOT
Region 2

5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750



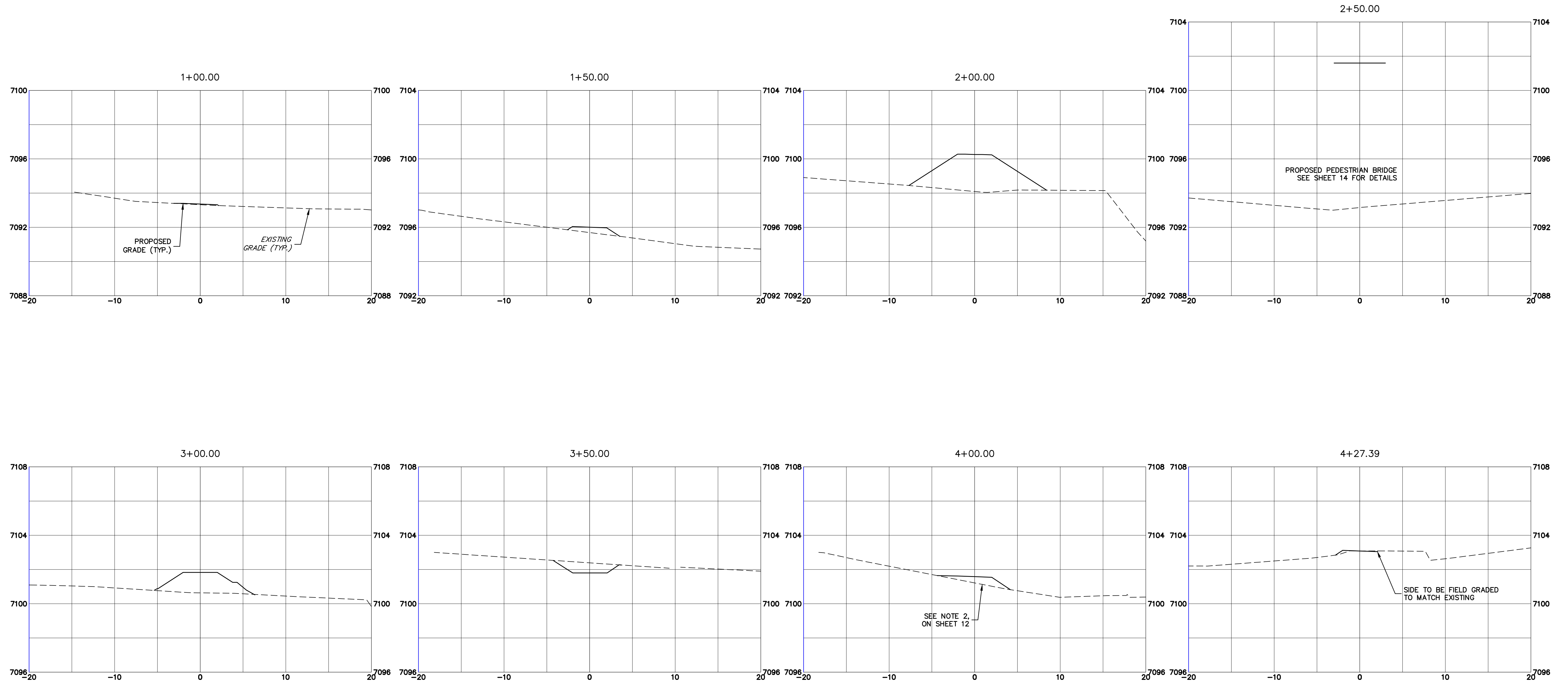
Lewis Palmer School District 38

As Constructed
No Revisions:
Revised:
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LEWIS PALMER TRAIL-BRIDGE TRAIL PLAN AND PROFILE			
Designer:	GG	Structure Numbers	
Detailer:	GG		
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Sheet Number	12 OF 13

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Know what's below.
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Date:	Comments	Init.

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LP
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 Phone: 719-546-5750
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LEWIS PALMER TRAIL-BRIDGE CROSS SECTION			
Designer:	GG	Structure Numbers	
Detailer:	GG		
Sheet Subset:		Subset Sheets:	OF

Project No./Code
M915-009/22585
2520300
Sheet Number 13 OF 13

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GENERAL NOTES:

1. THE PRIMARY FUNCTION OF THIS STRUCTURE IS TO CARRY PEDESTRIANS, BICYCLISTS, & OCCASIONAL 1,200LB VEHICLES AS SPECIFIED IN AASHTO'S LRFD GUIDE SPECIFICATION FOR THE DESIGN OF PEDESTRIAN BRIDGES
2. THIS STRUCTURE NOT DESIGNED FOR FLOOD LOADINGS
3. TAKE DISCRETION WHEN USING DE-ICING AGENTS ON BRIDGE STRUCTURES SO NOT TO VOID MANUFACTURER'S WARRANTY
4. BRIDGE BEARINGS SHALL BE CONSTRUCTED WITH RELATIVE ELEVATIONS SHOWN IN THIS DRAWING SET
5. BRIDGE SHALL BE CAMBERED PER THE CAMBER DIAGRAM TO OFFSET DEFLECTIONS
6. SHOP WELDING SHALL CONFORM TO AWS D1.1
7. ALL STRUCTURAL JOINT SPACING MAY VARY +/- 1" FROM THE DIMENSIONS SHOWN IN THIS DRAWING SET
8. ALL OPEN TUBE ENDS SHALL BE CAPPED UNLESS NOTED OTHERWISE

MATERIALS:

1. HSS SQUARE/RECTANGULAR TUBING SHALL BE ASTM A847
2. OPEN STRUCTURAL SHAPES AND PLATE SHALL BE ASTM A588
3. DECKING SHALL BE 5/4 WEARDECK COMPOSITE DECKING
4. ANCHORS SHALL BE ASTM A193-B7. ANCHORS AND RELATED HARDWARE SHALL BE HDG & SUPPLIED BY OTHERS
5. TRANSITION PLATES SHALL BE ALUMINUM DIAMOND PLATE

FINISH:

1. ALL EXPOSED WEATHERING STEEL SURFACES SHALL BE BLAST-CLEANED IN ACCORDANCE WITH SSPC-SP6

COMPONENT LIABILITY:

1. BRIDGE OFF-LOADING FROM FREIGHT TRUCK AND BRIDGE INSTALLATION BY OTHERS
2. SUPPLY OF ANCHORS AND RELATED HARDWARE SHALL BE BY OTHERS
3. SUPPLY OF BRIDGE TRANSITIONS SHALL BE BY OTHERS

FABRICATION METHODS:

1. BRIDGE SHALL BE FABRICATED BY AN AISC CERTIFIED FABRICATOR. NO SPECIAL INSPECTIONS OUTSIDE OF AWS D1.1 CODE SHALL BE REQUIRED

REFERENCES (LATEST EDITIONS UNLESS SPECIFIED OTHERWISE):

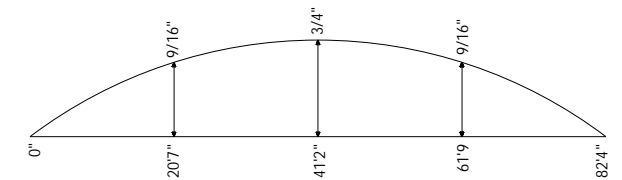
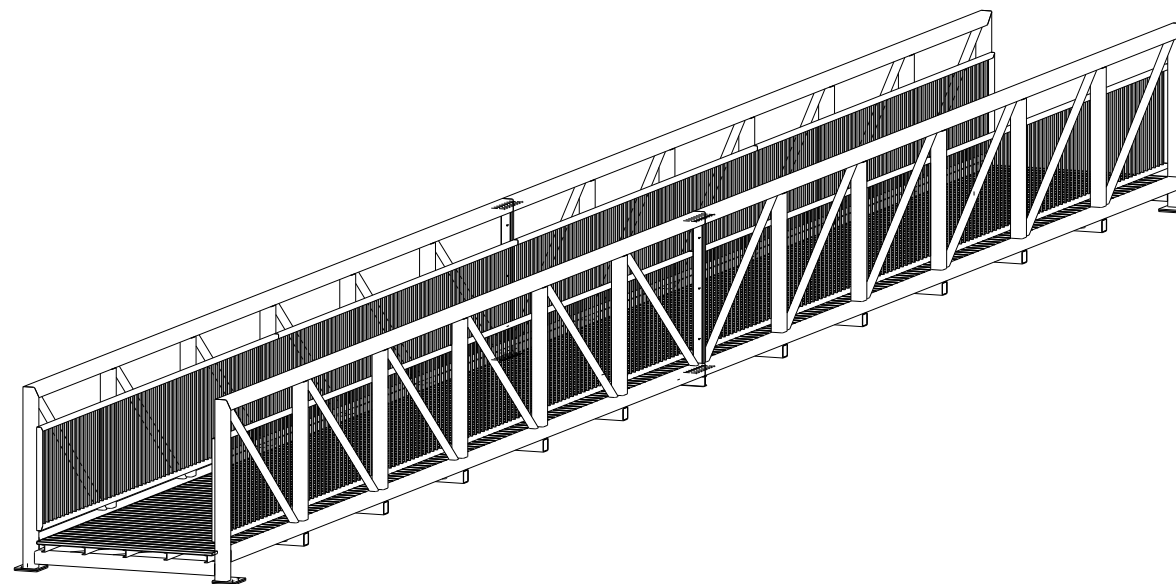
1. AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES
2. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
3. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS
4. AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, 2011, 2nd EDITION
5. AISC PART 16.1 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
6. AISC 303 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES
7. ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
8. AWS D1.1-STEEL STRUCTURAL WELDING CODE
9. GUIDE TO STABILITY DESIGN CRITERIA FOR METAL STRUCTURES, 2010, 6th EDITION

CONCRETE NOTES:

1. ALL PHASES OF WORK PERTINENT TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS AND SPECIFICATIONS
2. REINFORCED CONCRETE DESIGN PER AASHTO LRFD BRIDGE SPECIFICATIONS
3. ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 4000 PSI
4. CONCRETE MIX DESIGN SHALL MEET THE FOLLOWING REQUIREMENTS
 - COMPRESSIVE STRENGTH AT AGE 28 DAYS AS SPECIFIED ABOVE.
 - LARGE AGGREGATE HARDROCK, 1" MAXIMUM SIZE CONFORMING TO ASTM C-33
 - CEMENT ASTM C-150, TYPE I OR II PORTLAND CEMENT
 - MAXIMUM SLUMP 5-INCHES, MAX WATER CEMENT RATIO: 0.45
 - AIR CONTENT 3%-7%
5. CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C-94
6. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 514 AND PROJECT SPECIFICATIONS.
7. ALL REINFORCING BARS, SHEAR STUDS, LAP SPLICING, AND OTHER CONCRETE INSRETS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE PER CRSI MANUAL OF STANDARD PRACTICE AND ACI 315
8. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60
9. REINFORCING WIRE IF APPLICABLE SHALL CONFORM TO ASTM A1065
10. UNLESS NOTED OTHERWISE, CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:
 - CONCRETE POURED DIRECTLY AGAINST THE EARTH: 3 INCHES CLEAR
 - FORMED CONCRETE WITH EARTH BACK FILL: 2 INCHES CLEAR

FOUNDATION NOTES:

1. SEE FOUNDATIONS SHEETS FOR FOUNDATION NOTES



CAMBER DIAGRAM

*BRIDGE BROTHERS INC ACCEPTS NO RESPONSIBILITY FOR WORK PERFORMED BY OTHERS. BRIDGE BROTHERS INC RESERVES THE RIGHT TO MODIFY THIS STRUCTURE DURING THE FABRICATION. NO MODIFICATIONS TO THIS STRUCTURE SHALL BE PERMITTED WITHOUT WRITTEN CONSENT FROM BRIDGE BROTHERS INC. CUSTOMER SHALL INSPECT ALL COMPONENTS UPON DELIVERY FOR ACCURACY AND WORKMANSHIP. BRIDGE BROTHERS INC SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND. BRIDGE BROTHERS INC SHALL NOT BE HELD RESPONSIBLE FOR ANY EQUIPMENT RENTAL OR LABOR CHARGES OUTSIDE OF BRIDGE BROTHERS INC SCOPE OF CONTRACTED WORK. COORDINATION OF INSTALLATION SHALL BE MADE AFTER INSPECTION OF THE PRODUCT HAS BEEN PERFORMED BY THE CUSTOMER

THIS TABLE FOR INTERNAL USE ONLY								CUSTOMER SIGNATURE	DATE:
FINISH	DECK	SPLICE	RAILING	HANDRAIL	SET PLATE	ANCHORS	SCOPE	SIGN AND DATE ABOVE TO INDICATE ACCEPTANCE AND APPROVAL OF THE PROJECT.	
Weathered	Composite	Yes	Pickets	No	UHMW	No	Supply	SUBMITTAL PACKAGE IN ORDER FOR BRIDGE BROTHERS INC TO PROCEED WITH FABRICATION.	

BRIDGE BROTHERS

AISC CERTIFIED FABRICATOR

AWS CERTIFIED WELDING FABRICATOR

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CUSTOMER:
 Lewis-Palmer School District
 PO Box 40 36 A Jefferson Street Monument, CO 80132

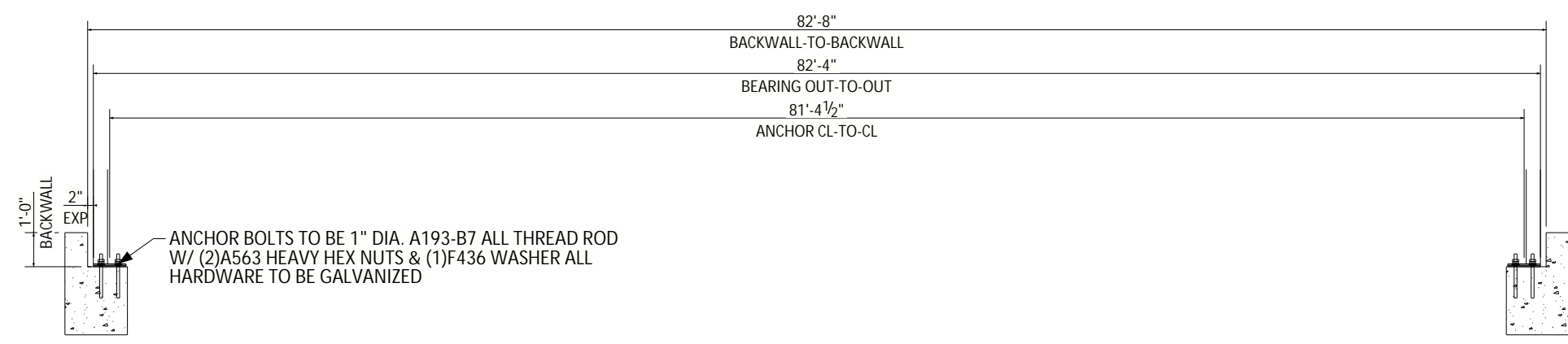
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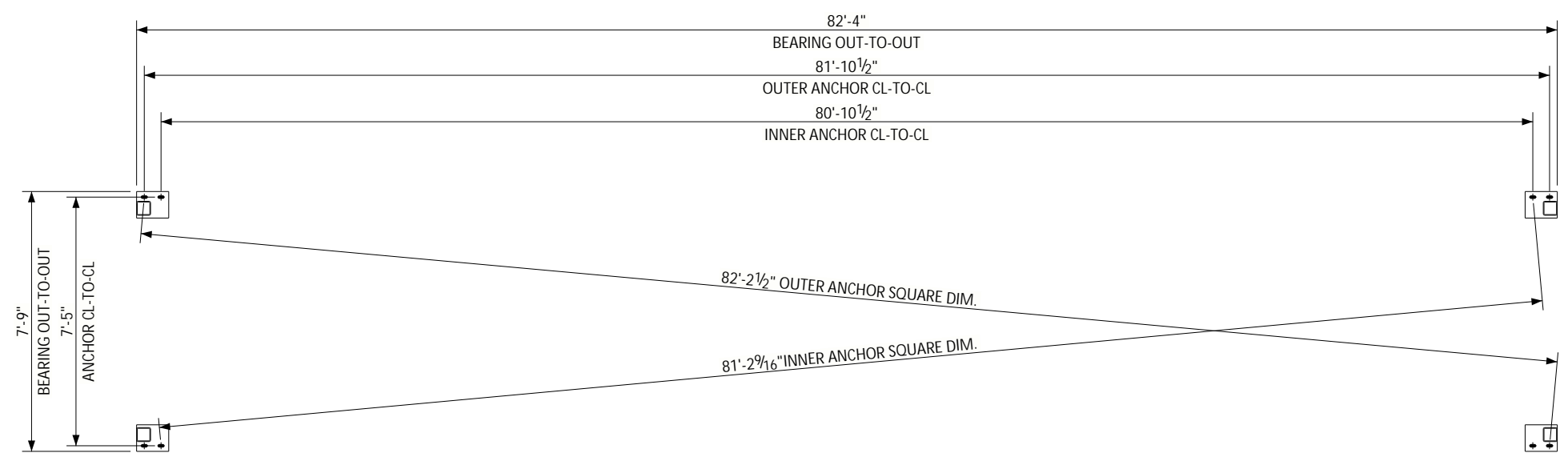
CHAD S. MCDONALD
 CO PE# 41945

UNFACTORED REACTIONS TABLE	Z (LBS)	Y (LBS)	X (LBS)
DEAD LOAD		-4,500	
LIVE LOAD		-11,100	
VEHICLE LOAD		0	
WIND	3,500	2,900	
		-2,900	
OVERTURNING WIND		3,900	
		1,300	
TRANSVERSE SEISMIC LOAD	3,000		
LONGITUDINAL SEISMIC LOAD			6,000
THERMAL			900

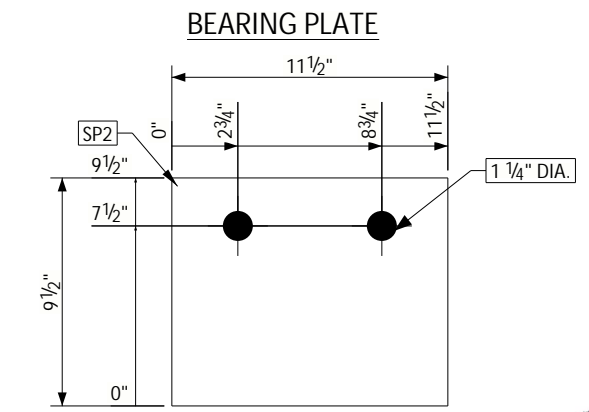
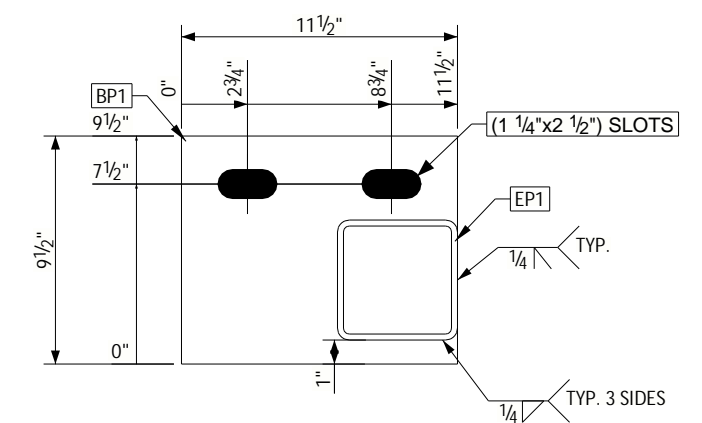
INSTALLED WEIGHT = 17,500
 STEEL WEIGHT = 15,500
 THERMAL EXPANSION BASED ON SEASONAL TEMPERATURE VARIATION OF 120° =
 Y = VERTICAL LOAD @ EACH BEARING PLATE (4 TOTAL);
 POSITIVE Y-VALUE REPRESENTS UPLIFT.
 Z = HORIZONTAL LOAD @ EACH BEARING PLATE (4 TOTAL)
 X = LONGITUDINAL LOAD @ EACH FIXED BEARING PLATE (2 TOTAL)



ANCHOR BOLT SECTION VIEW



ANCHOR BOLT PLAN



SETTING PLATE

Tekla Structures

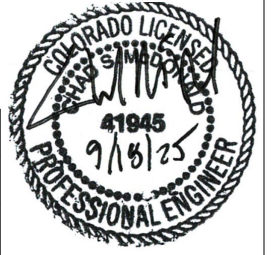


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ANCHOR LAYOUT		
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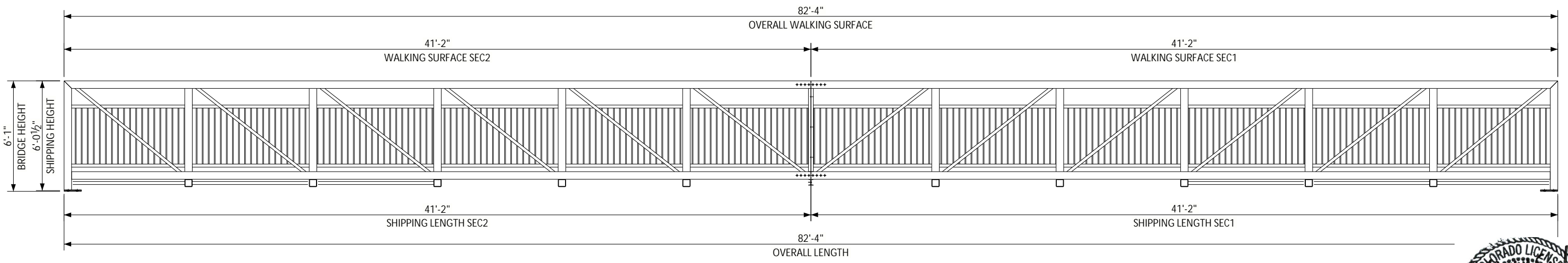
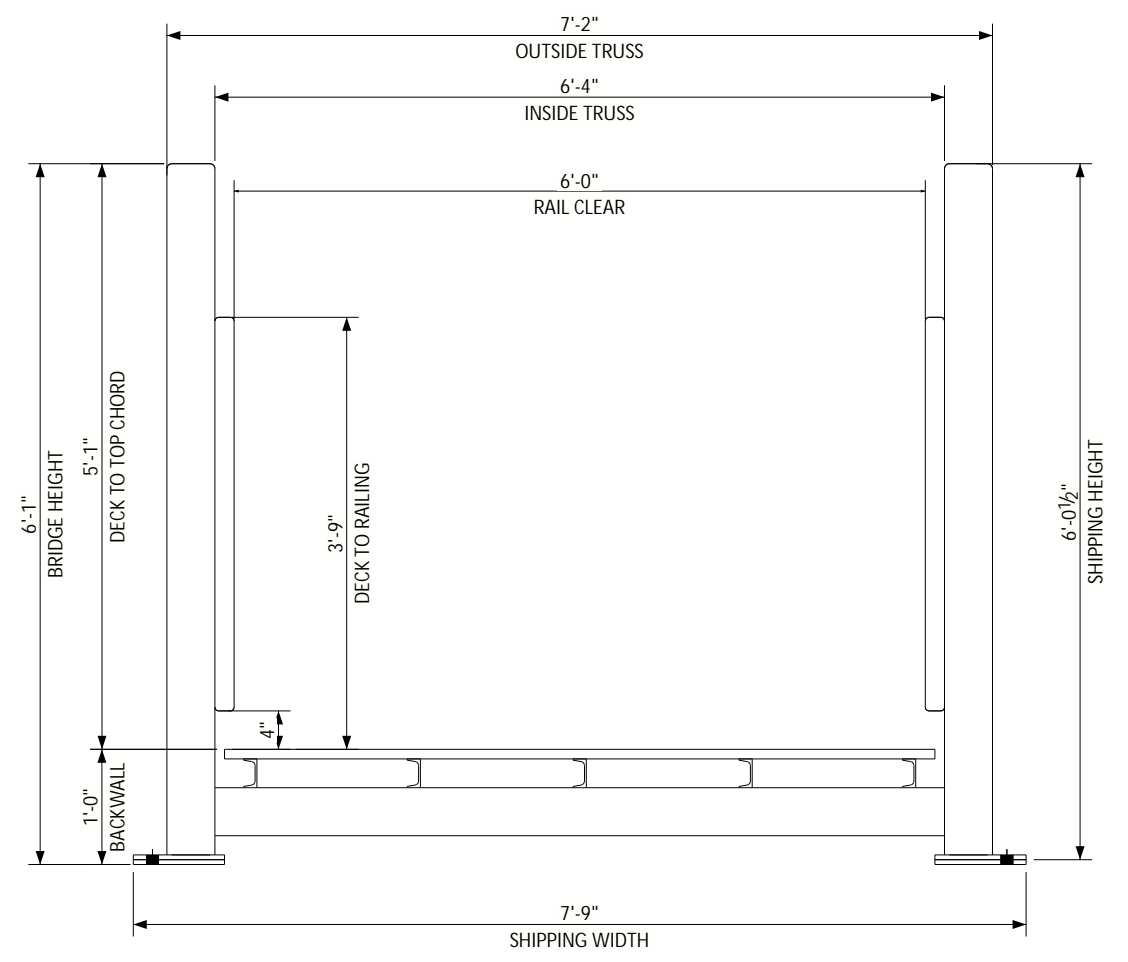
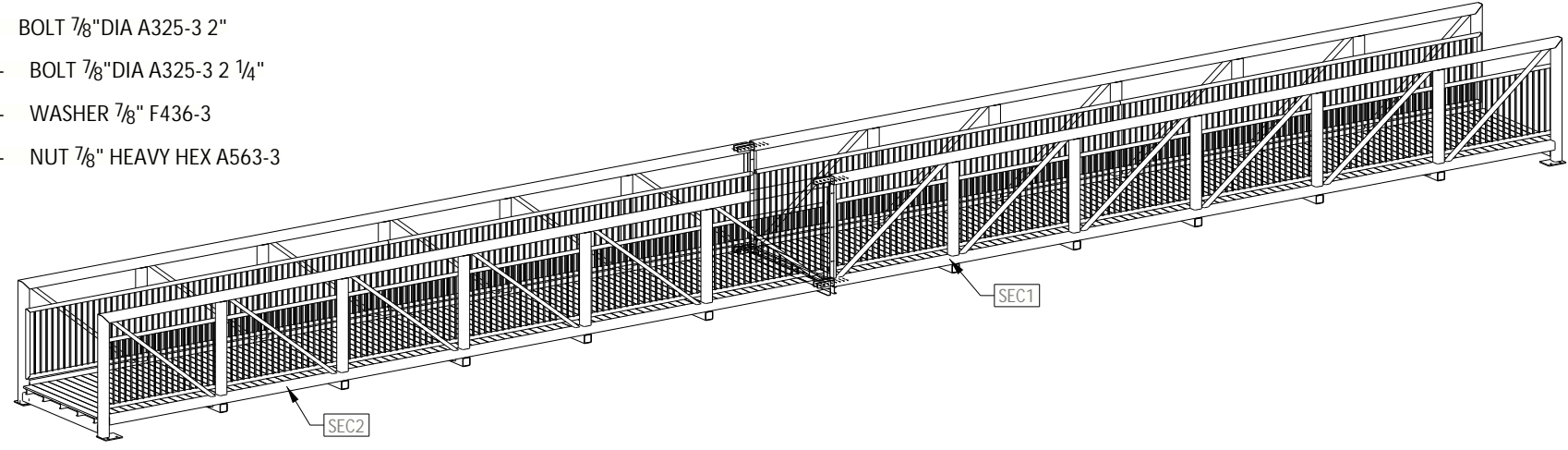
CHAD S. MCDONALD
 CO PE# 41945

ITEM No.	MARK	LENGTH	QTY	WT (LBS/EA)
SEC1	BRIDGE ASSEMBLY	41'-2"	1	7921.8
SEC2	BRIDGE ASSEMBLY	41'-2"	1	7922.0
SP1	SETTING PLATE	0'-9 1/2"	4	1.9
SPL1	SPLICE PLATE ASSEMBLY	1'-9 7/8"	8	14.0

* -THIS BOM ONLY FOR ITEMS SHIPPED LOOSE.

BOLT LIST
FIELD BOLTS

- 9 - BOLT 7/8"DIA A325-3 2"
- 64 - BOLT 7/8"DIA A325-3 2 1/4"
- 82 - WASHER 7/8" F436-3
- 73 - NUT 7/8" HEAVY HEX A563-3



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DRAWING NUMBER: S-3

OVERVIEW/SHIPPING

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 CO PE# 41945

THIS BOM FOR BRIDGE ASSEMBLY PURPOSES ONLY; FOR ITEMS SHIPPED LOOSE, SEE PAGE B-3

ITEM No.	MARK	SIZE	LENGTH	GRADE	QTY	WT (LBS/EA)
BC1	BOTTOM CHORD	HSS5X5X1/4	40'-9"	A847	4	596.3
BP1	BEARING PLATE	PL1/2"X9 1/2"	0'-11 1/2"	A588	4	15.5
CP1	CAP PLATE	PL1/4"X4 1/2"	0'-4 1/2"	A588	20	1.4
DK1	DECK	S4S 5/4X6	6'-2"	WEARDECK	178	8.0
ED1	END DIAGONAL	HSS3X2X3/16	7'-5 5/8"	A847	4	39.2
EFB1	END FLOOR BEAM	HSS5X5X1/4	6'-4"	A847	2	92.7
EP1	END POST	HSS5X5X1/4	5'-11 15/16"	A847	4	87.8
FB1	FLOOR BEAM	HSS5X5X1/4	7'-2"	A847	10	104.9
HRZ1	HORIZONTAL RAIL	HSS2X2X3/16	20'-5"	A847	4	82.7
HRZ2	HORIZONTAL RAIL	HSS2X2X3/16	20'-6 15/16"	A847	8	83.4
HRZ3	HORIZONTAL RAIL	HSS2X2X3/16	20'-4 15/16"	A847	4	82.7
MB1	MID BRACING	HSS3X2X3/16	8'-7 3/4"	A847	2	45.3
MB2	MID BRACING	HSS3X2X3/16	8'-9 9/16"	A847	4	46.1
MD1	MID DIAGONAL	HSS3X2X3/16	7'-7 5/8"	A847	16	40.0
MD2	MID DIAGONAL	HSS3X2X3/16	7'-8 3/8"	A847	4	40.4
MV1	MID VERTICAL	HSS5X5X1/4	4'-7"	A847	20	67.1
P1	PICKET	BAR5/8"X5/8"	3'-3 7/16"	A588	488	4.4
S1	STRINGER	C3X4.1	34'-3 1/2"	A588	5	140.0
S2	STRINGER	C3X4.1	6'-10 1/2"	A588	5	28.1
S3	STRINGER	C3X4.1	34'-3 5/8"	A588	5	140.1
S4	STRINGER	C3X4.1	6'-10 5/16"	A588	5	28.0
SB1	SPLICE BEAM	C4X5.4	7'-2"	A588	2	38.5
SP1	SPLICE POST	C4X5.4	4'-7"	A588	4	24.6
SP2	SETTING PLATE	PL1/2"X9 1/2"	0'-11 1/2"	UHMW	4	1.9
SPL1	SPLICE PLATE	PL3/4"X3"	1'-9 7/8"	A588	8	14.0
TC1	TOP CHORD	HSS5X5X1/4	41'-2"	A847	4	602.4
VRT1	VERTICAL RAIL	HSS2X2X3/16	3'-5"	A847	4	13.8

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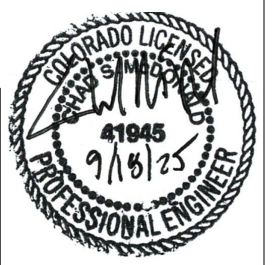


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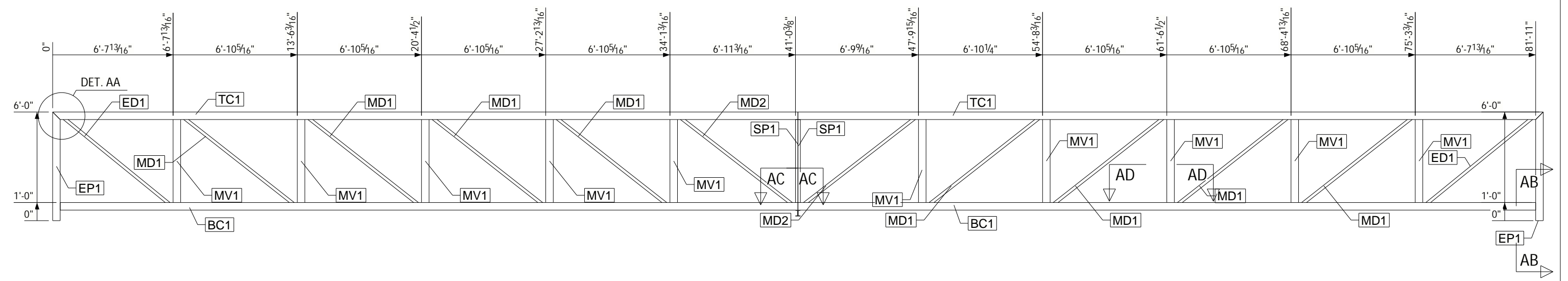
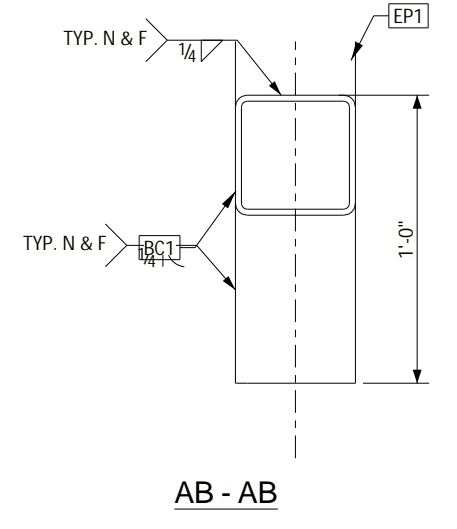
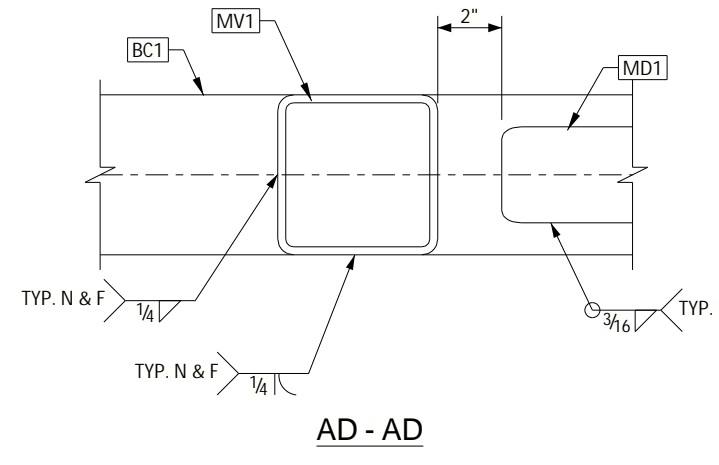
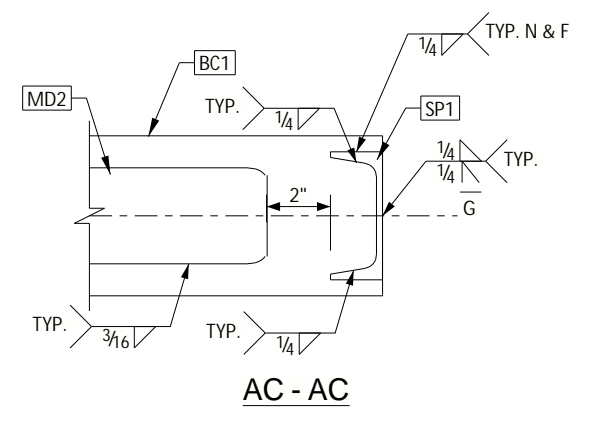
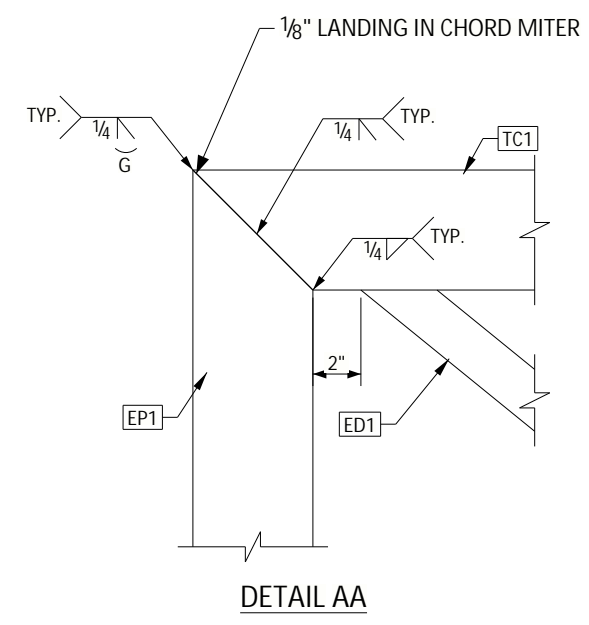
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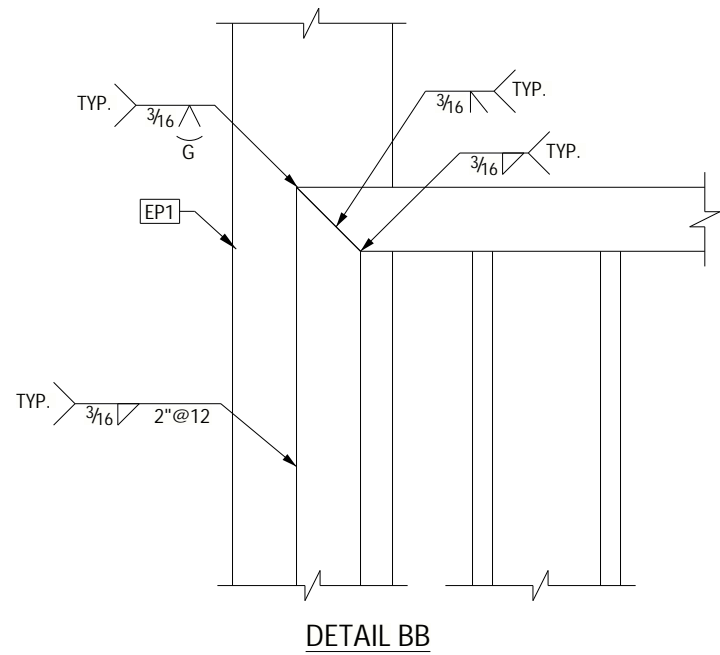
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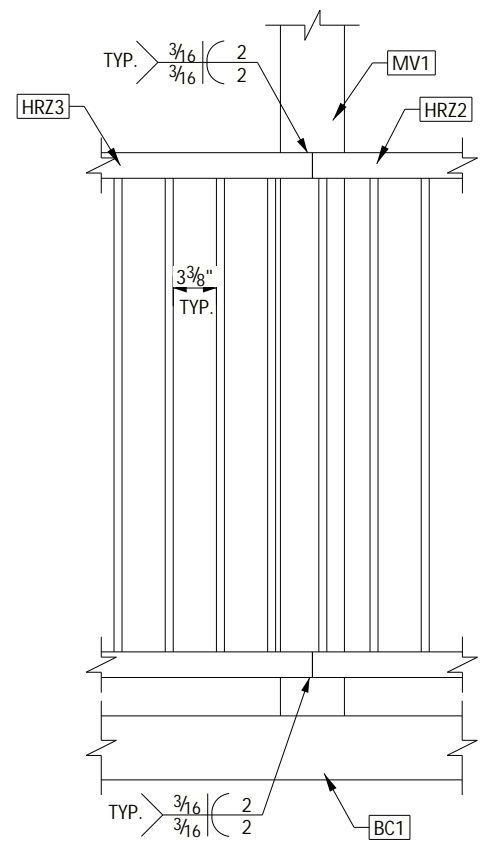
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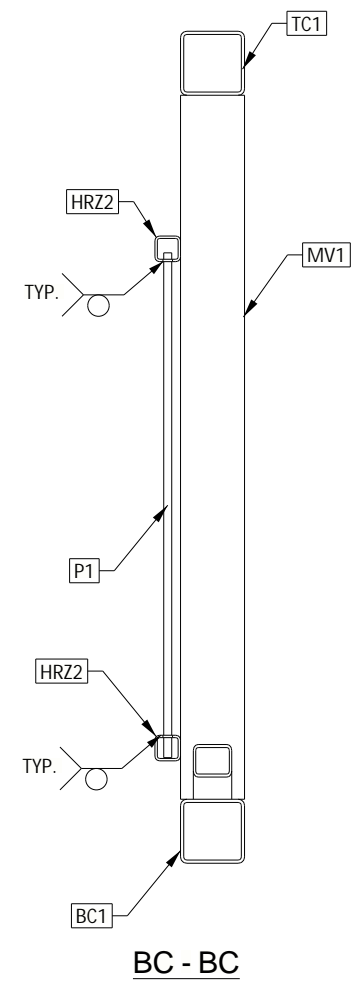
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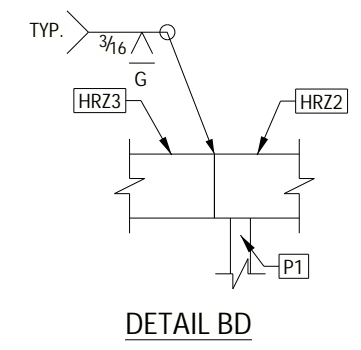
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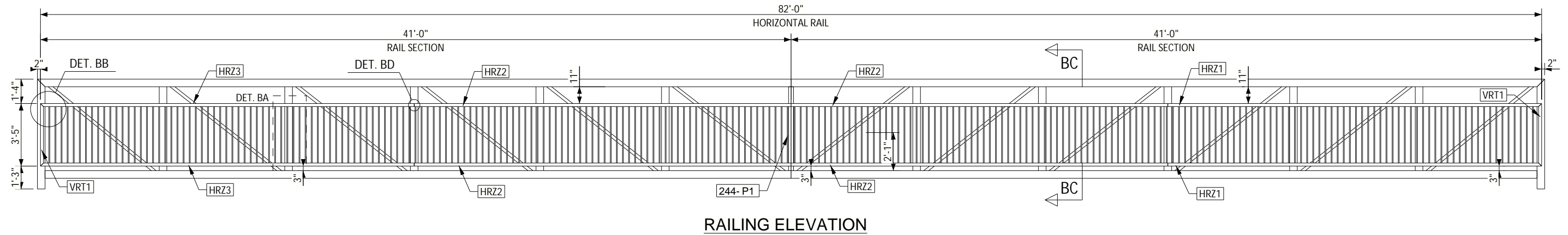
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BC - BC



DETAIL BD



RAILING ELEVATION

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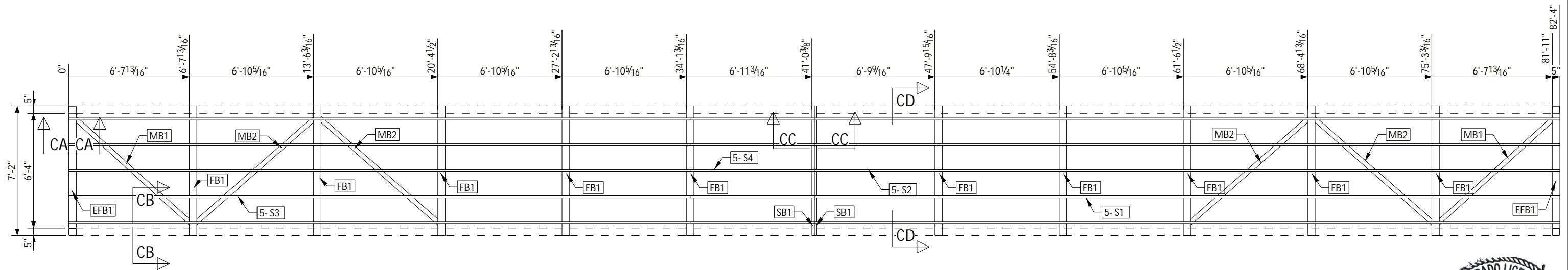
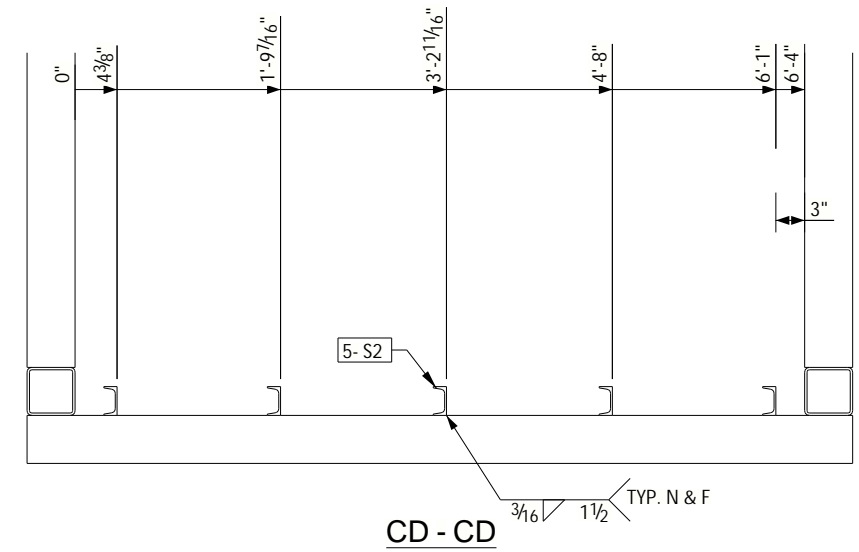
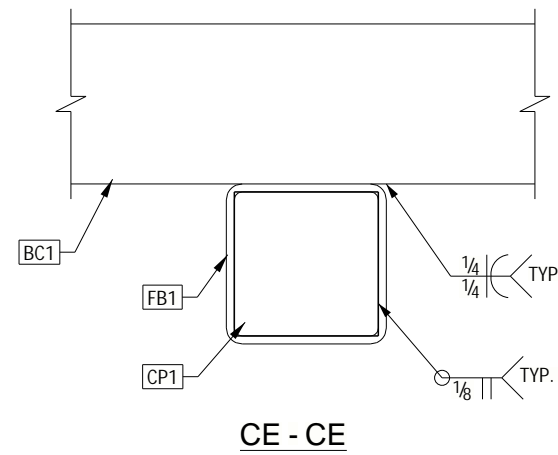
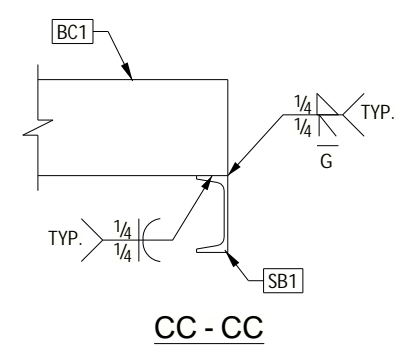
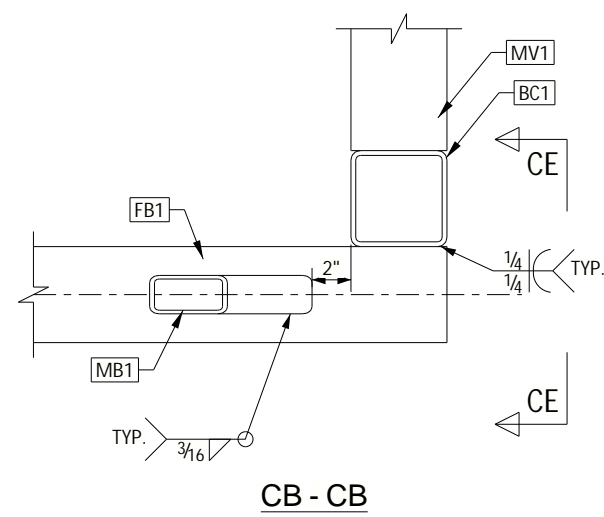
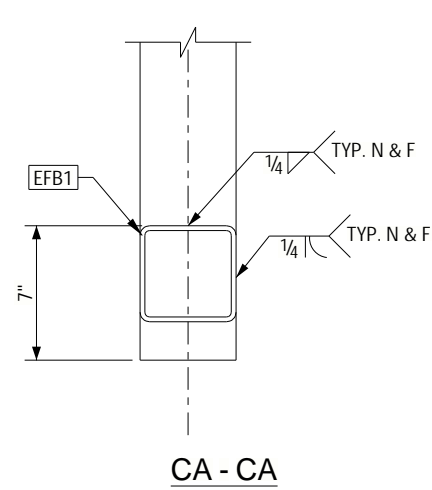
Lewis Palmer Pedestrian Bridge
 PO Box 40 36 A Jefferson Street Monument, CO 80132
 CUSTOMER:
 Lewis-Palmer School District
 PO Box 40 36 A Jefferson Street Monument, CO 80132

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DRAWN BY: AKL	CHECKED BY: CRT	S-6
RAIL		
DRAWING NOT TO SCALE		

REV.	DATE:	DESCRIPTION
0	01/23/2025	FOR APPROVAL
1	08/27/2025	REVISED APPROVAL



CHAD S. MCDONALD
 CO PE# 41945



FLOOR PLAN

Tekla Structures



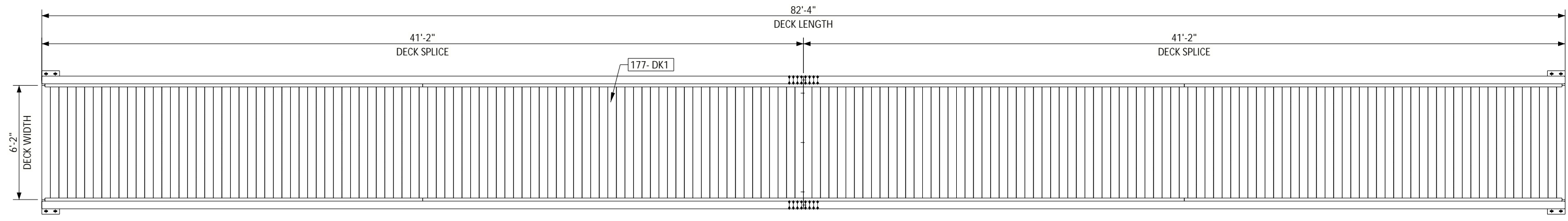
Lewis Palmer Pedestrian Bridge
 PO Box 40 36 A Jefferson Street Monument, CO 80132
 CUSTOMER:
 Lewis-Palmer School District
 PO Box 40 36 A Jefferson Street Monument, CO 80132

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CHECKED BY: CRT			
FLOOR			
DRAWING NOT TO SCALE			

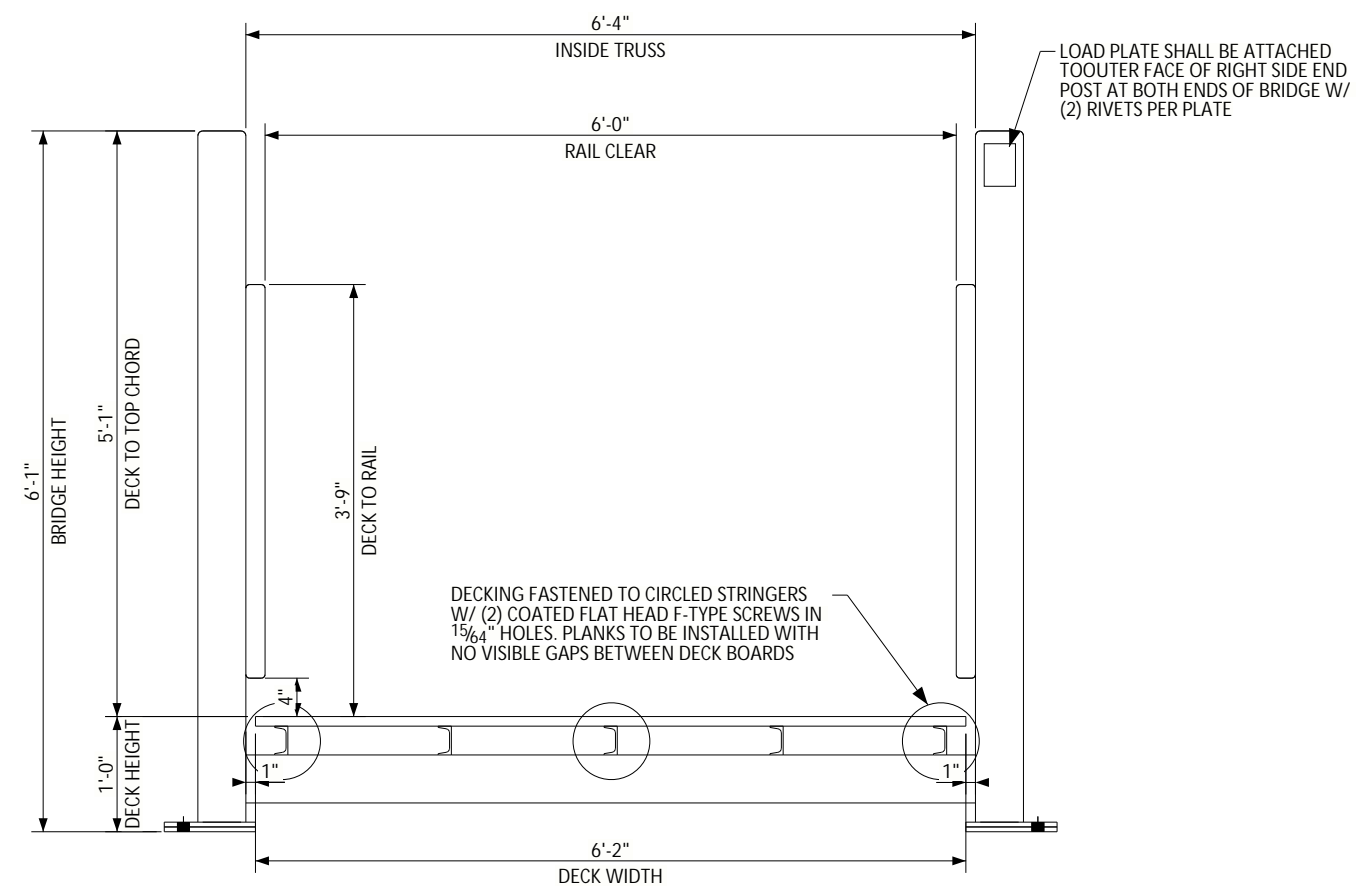
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1	08/27/2025	REVISED APPROVAL



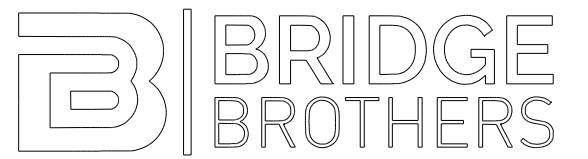
CHAD S. MCDONALD
 CO PE# 41945



DECKING PLAN



DECK END VIEW



DATE OF MANUFACTURE	<input type="text"/>
LIVE LOAD	90 psf
VEHICLE LOAD	NA
SERIAL NO.	10859

www.bridgebrothers.com

Tekla Structures



Lewis Palmer Pedestrian Bridge
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 CUSTOMER:
 Lewis-Palmer School District
 PO Box 40 36 A Jefferson Street Monument, CO 80132

REV.	DATE:	DESCRIPTION
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1	08/27/2025	REVISED APPROVAL

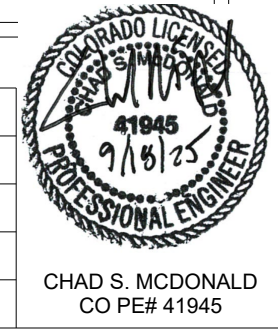
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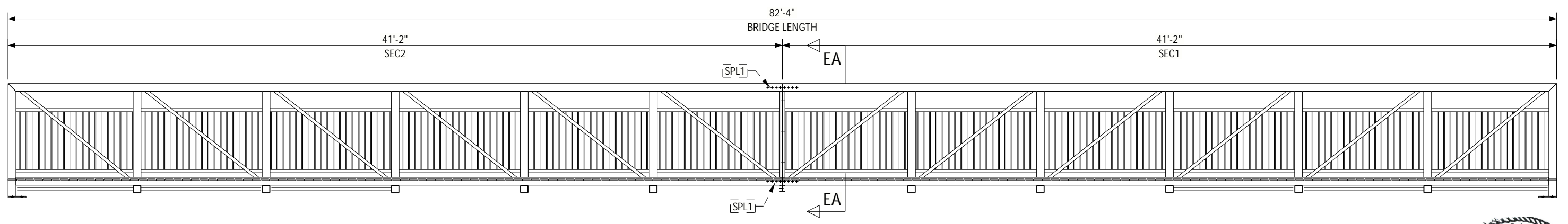
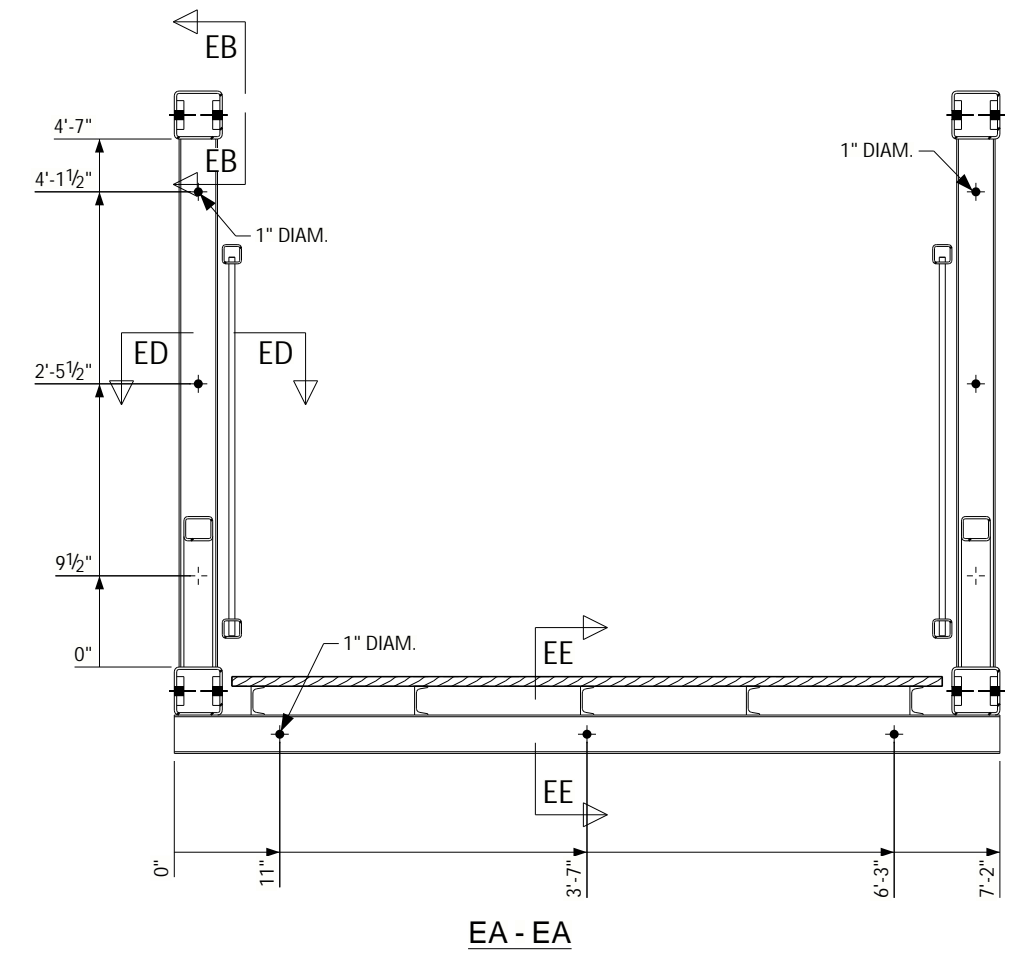
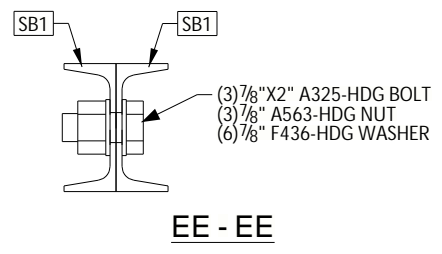
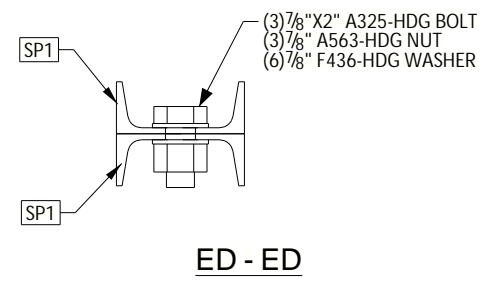
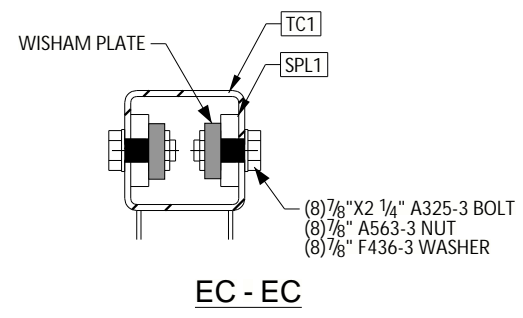
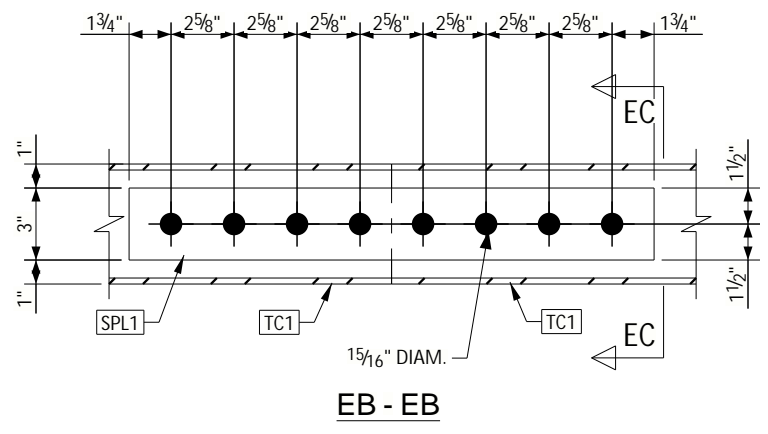
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 CHECKED BY: CRT

S-8

DECK

DRAWING NOT TO SCALE





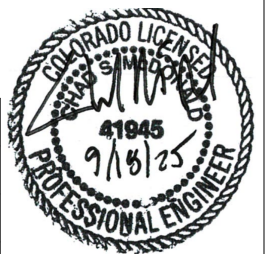
Tekla Structures



Lewis Palmer Pedestrian Bridge
 PO Box 40 36 A Jefferson Street Monument, CO 80132
 CUSTOMER:
 Lewis-Palmer School District
 PO Box 40 36 A Jefferson Street Monument, CO 80132

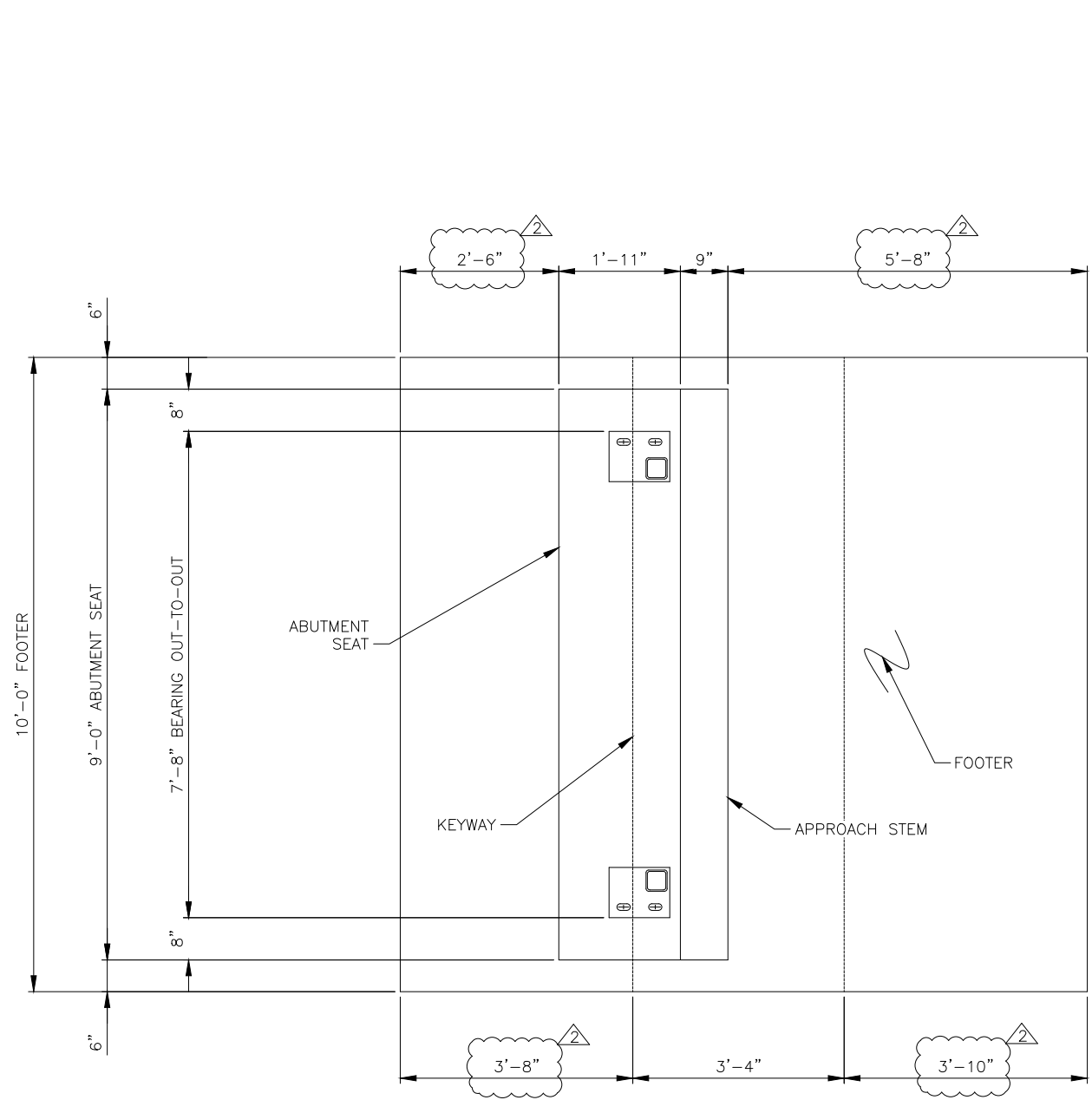
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CHECKED BY: CRT			
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REV.	DATE:	DESCRIPTION
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1	08/27/2025	REVISED APPROVAL

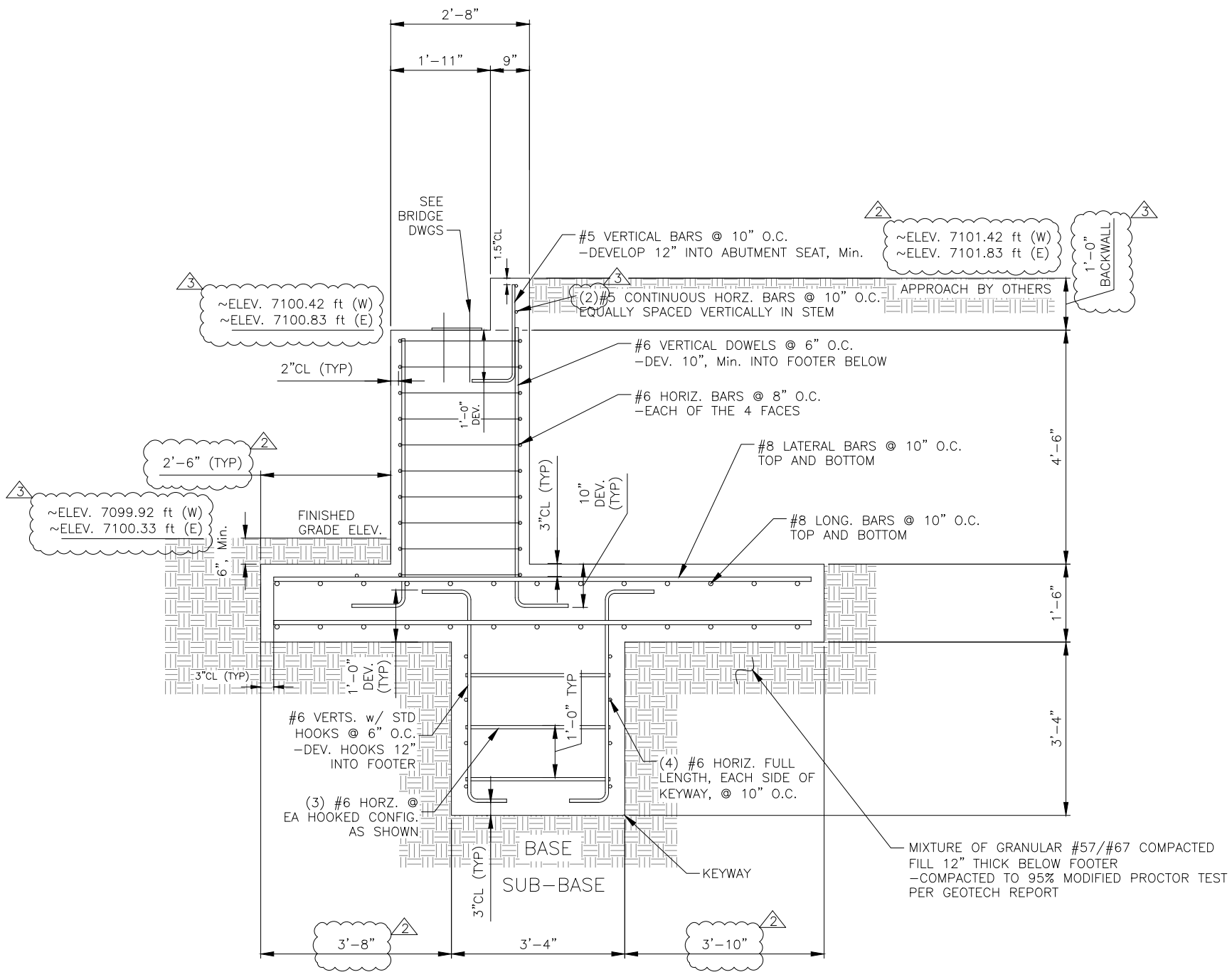


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 CO PE# 41945

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TYPICAL ABUTMENT
PLAN VIEW



TYPICAL ABUTMENT
SECTION

OPERATOR:



QC:

DATE:

Lewis Palmer Pedestrian Bridge

CUSTOMER:
Lewis-Palmer School District
PO Box 40 36 A Jefferson Street Monument, CO 80132

TOLERANCES UNLESS SPECIFIED OTHERWISE SHALL MEET ALL AISC REQUIREMENTS		DRAWING NUMBER
DRAWN BY: JKS		S-10
CHECKED BY: XXX		
FOUNDATION DETAILS		
DRAWING NOT TO SCALE	SHT. 1 OF XX	

REV	DATE	DESCRIPTION
0	02/04/2025	FOR APPROVAL
1	02/14/2025	ELEVATION ADJUSTMENTS
2	06/09/2025	GEOMETRY AND ELEVATION ADJUSTMENTS
3	09/10/2025	BACKWALL AND BEARING ELEVATION ADJUSTMENTS



CHAD S. MCDONALD
CO PE# 41945

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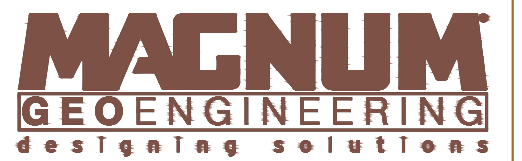
WOODMOOR LAKE PEDESTRIAN BRIDGE SUPPORT OF TEMPORARY EXCAVATION MONUMENT, CO

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MONUMENT, CO



JR ENGINEERING

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designing solutions
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PROJECT LOCATION

VICINITY MAP

GENERAL NOTES:

BASIS OF DESIGN:

1. THE SCOPE OF THIS DESIGN IS TO PROVIDE TEMPORARY SUPPORT OF EXCAVATION AT THE LOCATIONS OF TWO FUTURE BRIDGE ABUTMENTS IN ORDER TO PREVENT UNDERMINING EXISTING SPILLWAY WALLS.
2. THE GEOMETRY FOR THIS DESIGN IS BASED UPON THE FOLLOWING:
 - 2.1. JR ENGINEERING DRAWINGS FOR PROJECT NO. M915-009/22585, DATED 11/18/2025.

MISCELLANEOUS:

1. DO NOT SCALE REBAR SPACING FROM DRAWING. REBAR ON DETAILS IS SHOWN FOR GENERAL LAYOUT ONLY.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH DRAWINGS PRIOR TO CONSTRUCTION. DO NOT SCALE THE DRAWINGS.
3. THE GENERAL NOTES AND TYPICAL DETAILS APPLY TO THE ENTIRE PROJECT EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY.
4. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE GOVERNING CODES.
5. UNLESS DETAILED, SPECIFIED, OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND THESE GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS WHERE THEY OCCUR.
6. CONTRACTOR SHALL VERIFY LOCATION OF ALL SITE UTILITIES PRIOR TO STARTING WORK, BOTH ABOVE GROUND AND BELOW GROUND, WHICH MAY BE IMPACTED BY THE WORK SHOWN ON THESE DRAWINGS. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF MAGNUM.
7. ALL ITEMS SHOWN ON THESE PLANS ARE NEW UNLESS NOTED (E), EXIST. OR EXISTING.

SOILS:

1. SOILS INFORMATION PER GEOTECHNICAL REPORT BY KUMAR & ASSOCIATES, INC., PROJECT NO. 23-2-232, ISSUED 04/03/2024
2. 7,500 PSF ULTIMATE (LRFD) BEARING PRESSURE FOR STRUCTURES ON GRANULAR MATERIAL.

CONCRETE:

1. ALL STRUCTURAL CONCRETE SHALL BE HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH, f_c , OF 3,000 PSI.
2. READY-MIXED CONCRETE SHALL COMPLY WITH ASTM C94 - STANDARD SPECIFICATION FOR READY-MIXED CONCRETE.
 - 2.1. CEMENT TYPE II, ASTM C595.
 - 2.2. AGGREGATES: AGGREGATES SHALL BE CRUSHED STONE CONFORMING TO "SPECIFICATION FOR CONCRETE AGGREGATES" - ASTM C33.
 - 2.3. WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602. ALL CONCRETE SHALL BE DESIGNED, MIXED AND PLACED IN ACCORDANCE WITH ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.

DRAWING INDEX	
SHEET NO.	SHEET TITLE
TS-0	GENERAL NOTES & PROJECT LOCATION
TS-1	EAST & WEST ABUTMENT SUPPORT OF EXCAVATION PLAN
TS-2	SUPPORT OF EXCAVATION CONSTRUCTION SEQUENCE
TS-3	SUPPORT OF EXCAVATION SECTIONS

ABBREVIATIONS	
BO	BY OTHERS
BOE	BOTTOM OF EXCAVATION
CLR	CLEAR
E.	EXISTING
EA	EACH
EL.	ELEVATION
FV	FIELD VERIFY
GN	GENERAL NOTES
NR	NOT REQUIRED
NS	NOT SPECIFIED
NTS	NOT TO SCALE
REQ'D	REQUIRED
T&B	TOP AND BOTTOM
TOC	TOP OF CONCRETE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
w/	WITH

GENERAL NOTES & PROJECT LOCATION

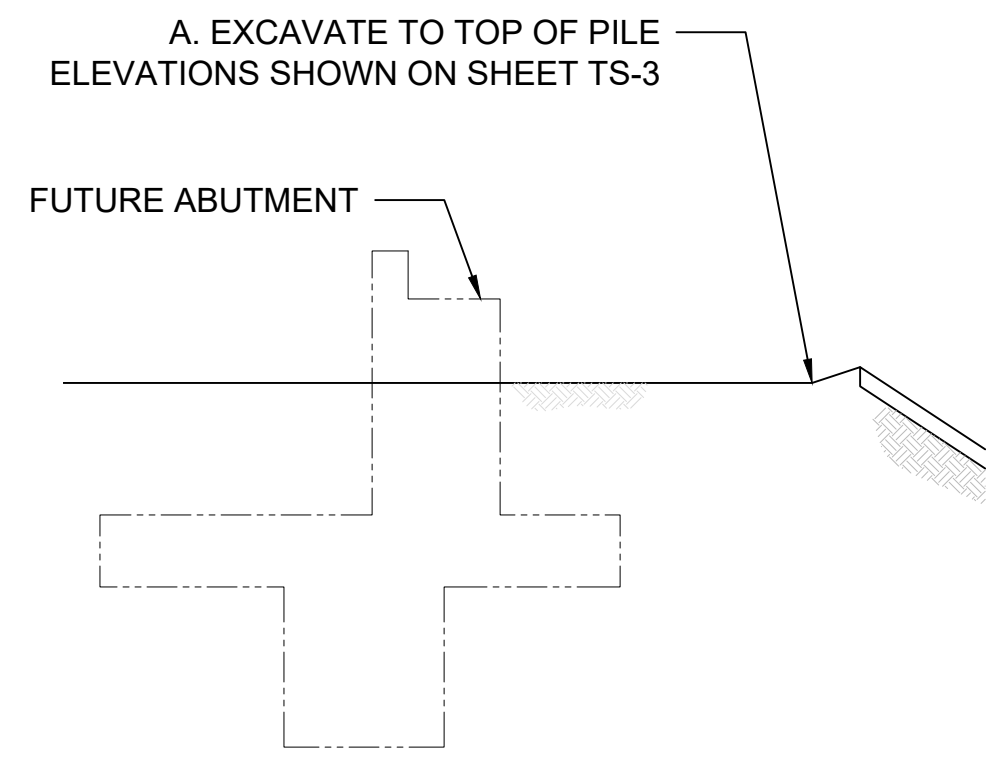
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PROJECT MGR: WGT ORIGIN DATE: 2026/05/04
REVIEWER: WGT SCALE: AS SHOWN

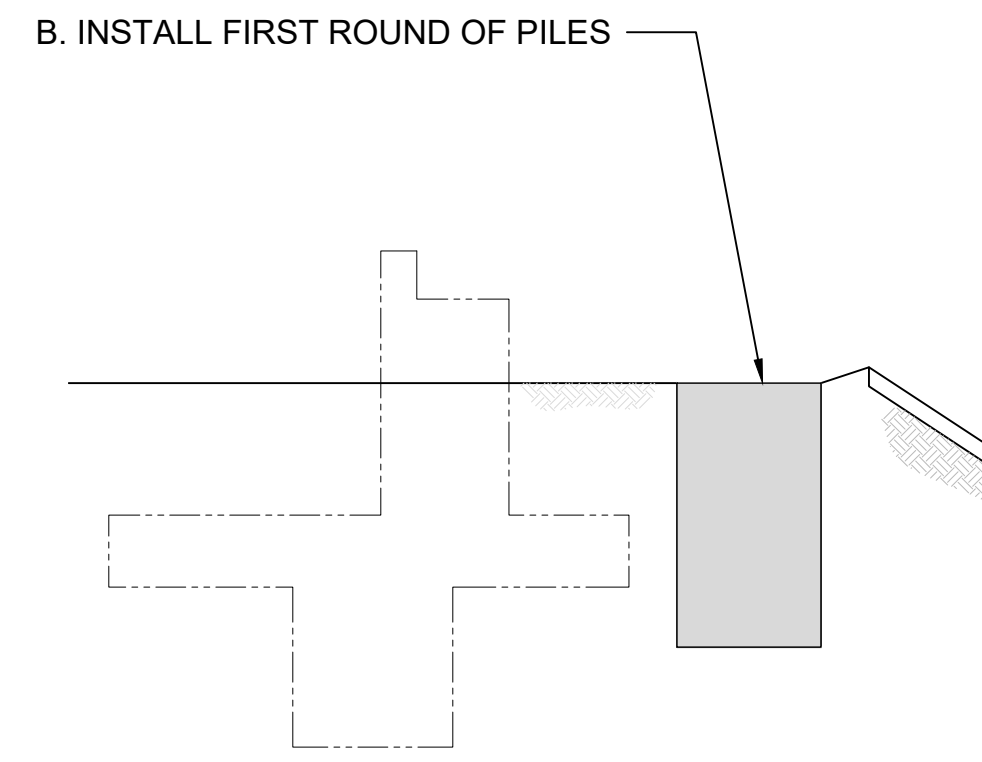
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DOCUMENT NUMBER: ED-11014 TEMPLATE: 2204 BORDER

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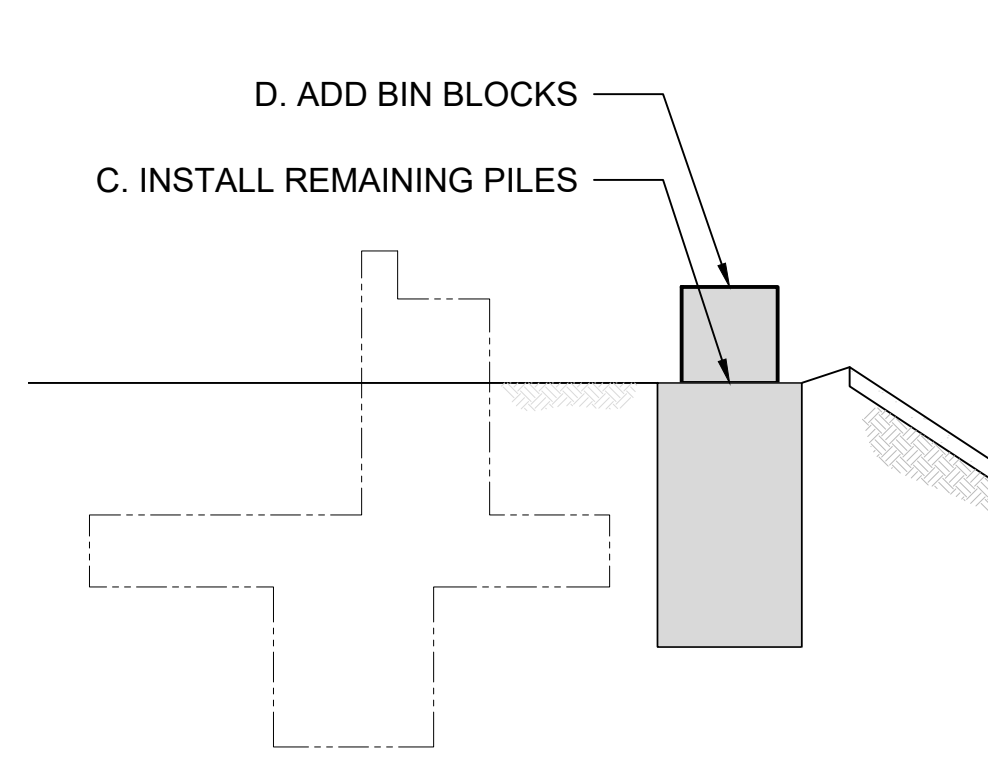
- A. EXCAVATE PER PLANS DOWN TO TOP OF PROPOSED TANGENT PILE ELEVATION (ELEVATIONS SHOWN ON SHEET TS-3).
- B. INSTALL FIRST ROUND OF TANGENT PILES AT 6 FT CENTERS.
- C. AFTER CONCRETE HAS SET FOR 24 HOURS, INSTALL REMAINING TANGENT PILES BETWEEN EXISTING TANGENT PILES. ALLOW PILES A MINIMUM OF 3 DAYS TO CURE BEFORE STEP D.
- D. SET CONCRETE BIN BLOCKS ON TOP OF TANGENT PILE WALL (CONCRETE BIN BLOCKS NEEDED FOR WEIGHT).
- E. CONTINUE EXCAVATION TO BOTTOM OF EXCAVATION ELEVATION.
- F. CONSTRUCT BRIDGE ABUTMENT PER STRUCTURAL PLANS.
- G. BACKFILL AROUND ABUTMENT. ONCE BACKFILL HAS REACHED TOP OF TANGENT PILES, REMOVE BIN BLOCKS. TANGENT PILES TO REMAIN.



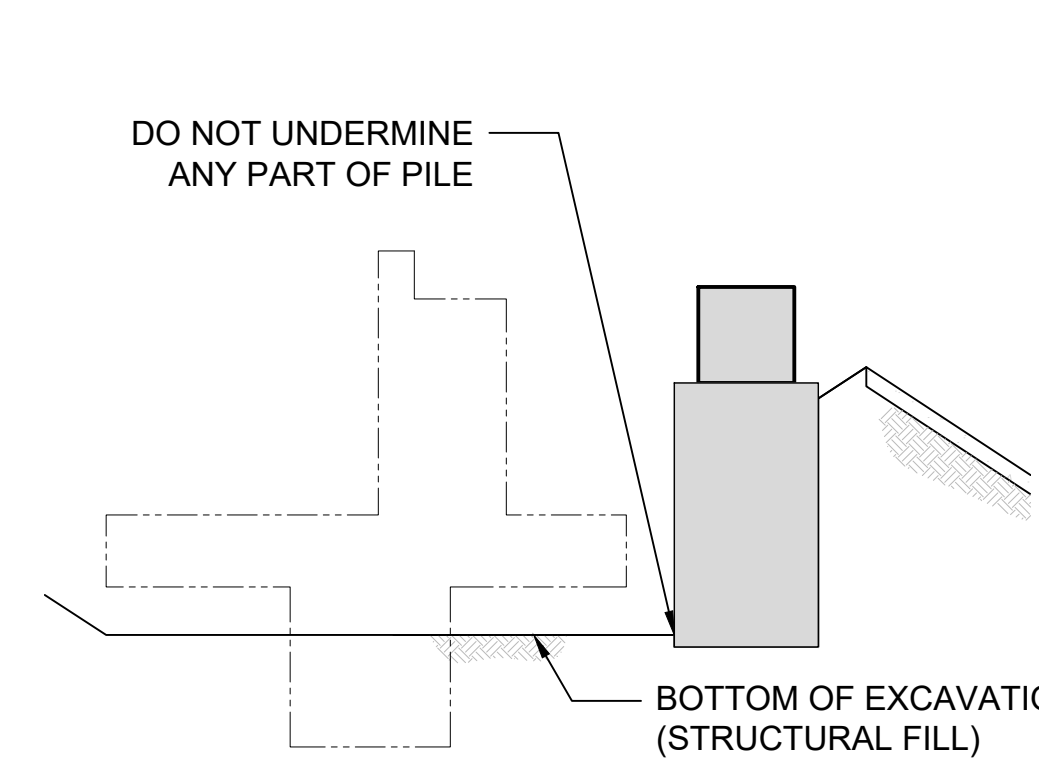
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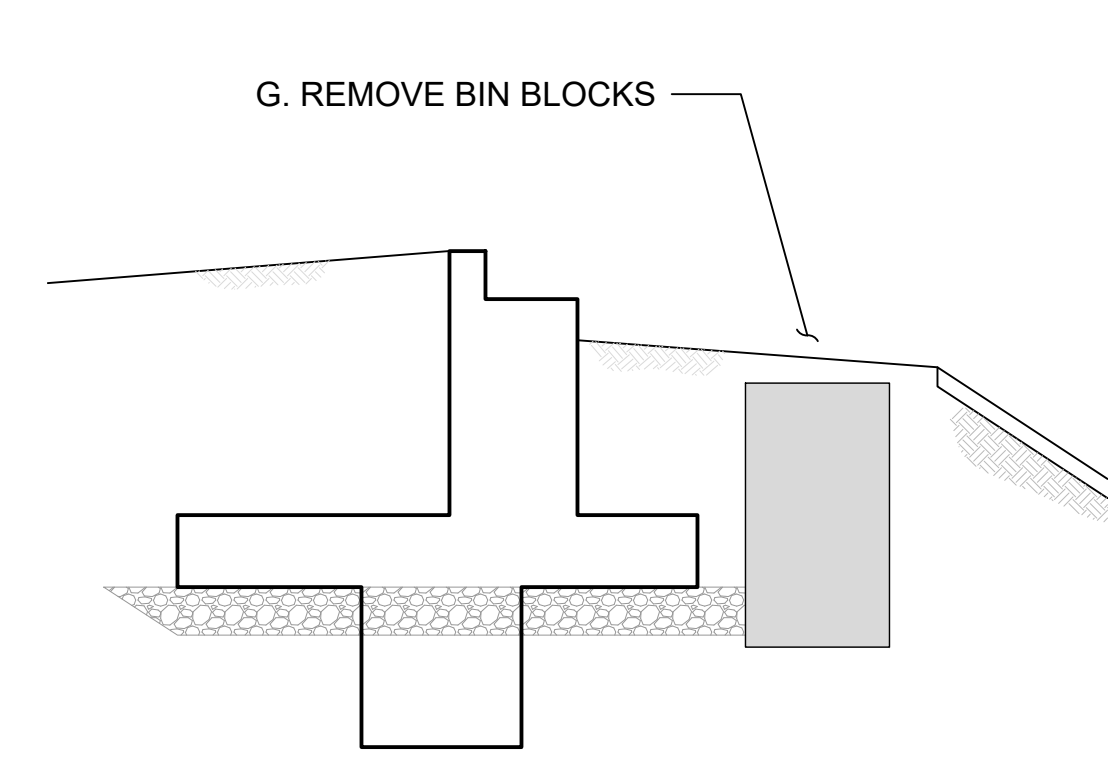
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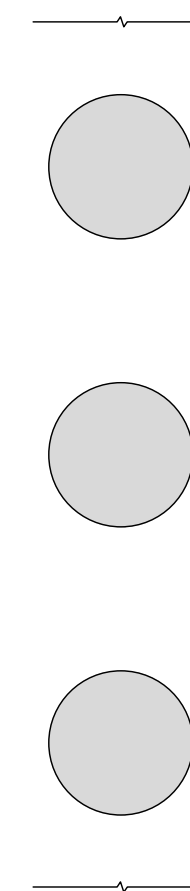
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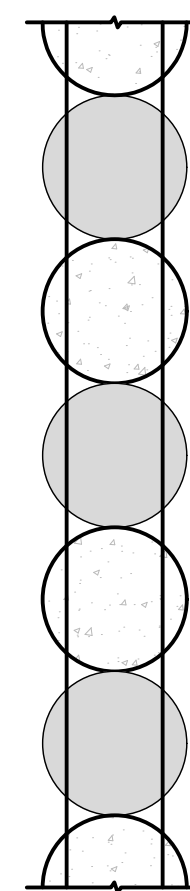
SEQUENCE E - SECTION



SEQUENCE G - SECTION



SEQUENCE B - PLAN



SEQUENCES C & D - PLAN

CONSTRUCTION SEQUENCE SCHEMATIC
NTS

**WOODMOOR LAKE
PEDESTRIAN BRIDGE
SUPPORT OF
TEMPORARY
EXCAVATION**

MONUMENT.CO



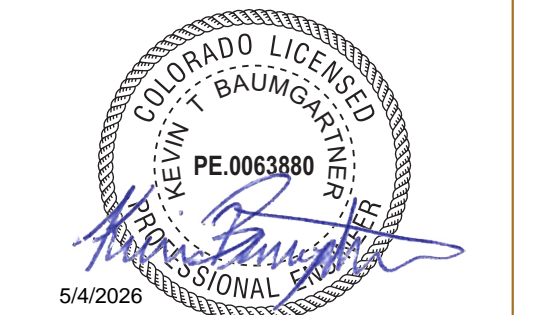
JR ENGINEERING

JR ENGINEERING
5475 TECH CENTER DRIVE, SUITE 235
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CONTACT: GLENN ELLIS
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**SUPPORT OF EXCAVATION
CONSTRUCTION SEQUENCE**

NO.	DATE	REVISION

ENGINEER: KTB PROJECT NO: 26-2199-0000
PROJECT MGR: WGT ORIGIN DATE: 2026/05/04
REVIEWER: WGT SCALE: AS SHOWN

SHEET: TS-2

DOCUMENT NUMBER: ED-1103-4 TEMPLATE: 2204-BORDER

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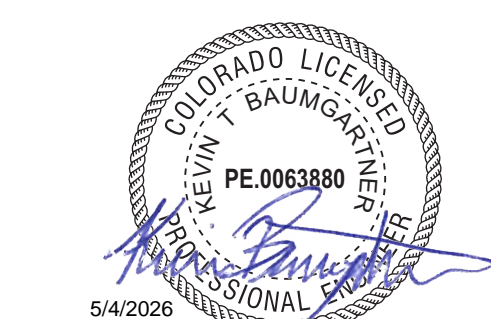
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CONTACT: GLENN ELLIS
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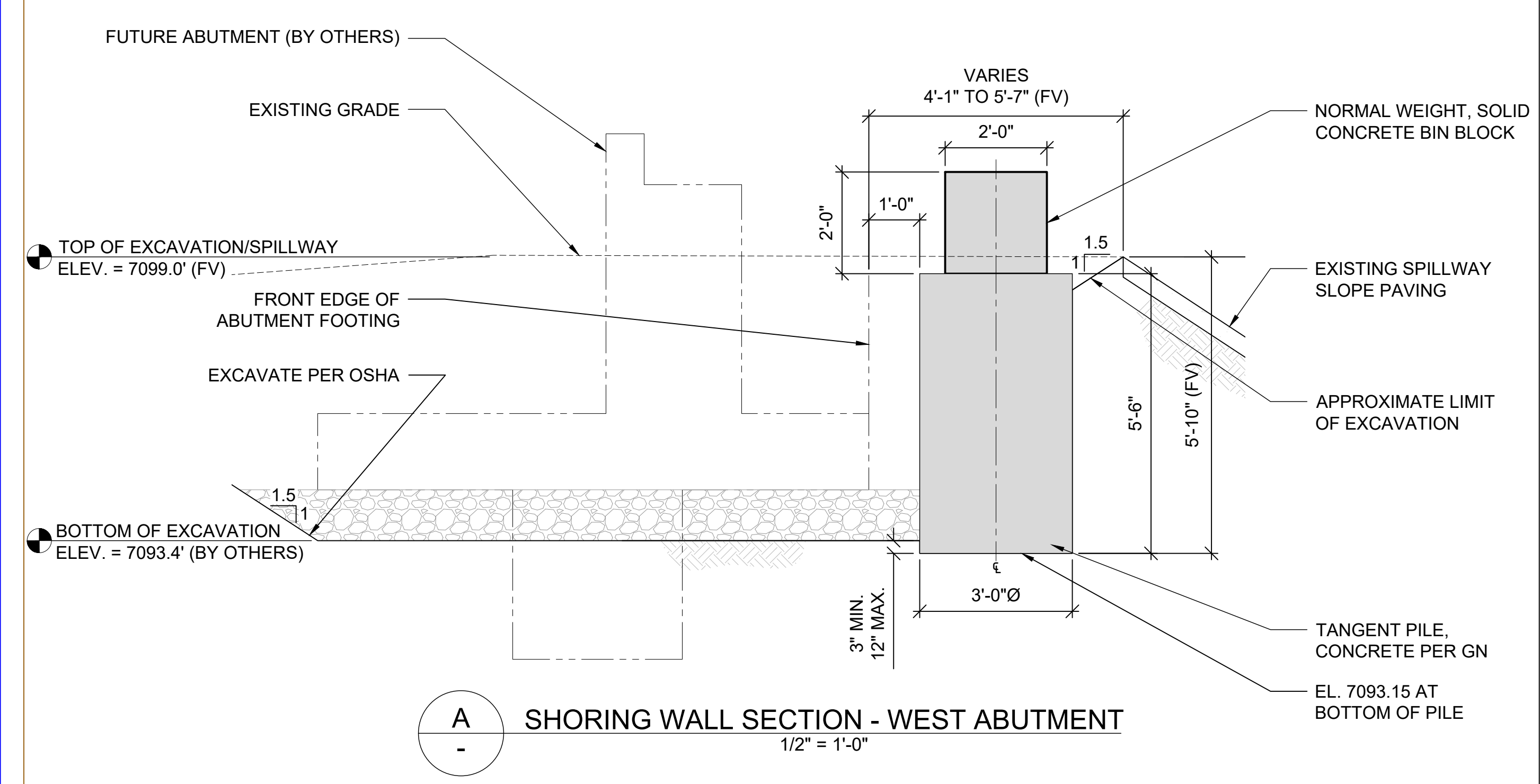


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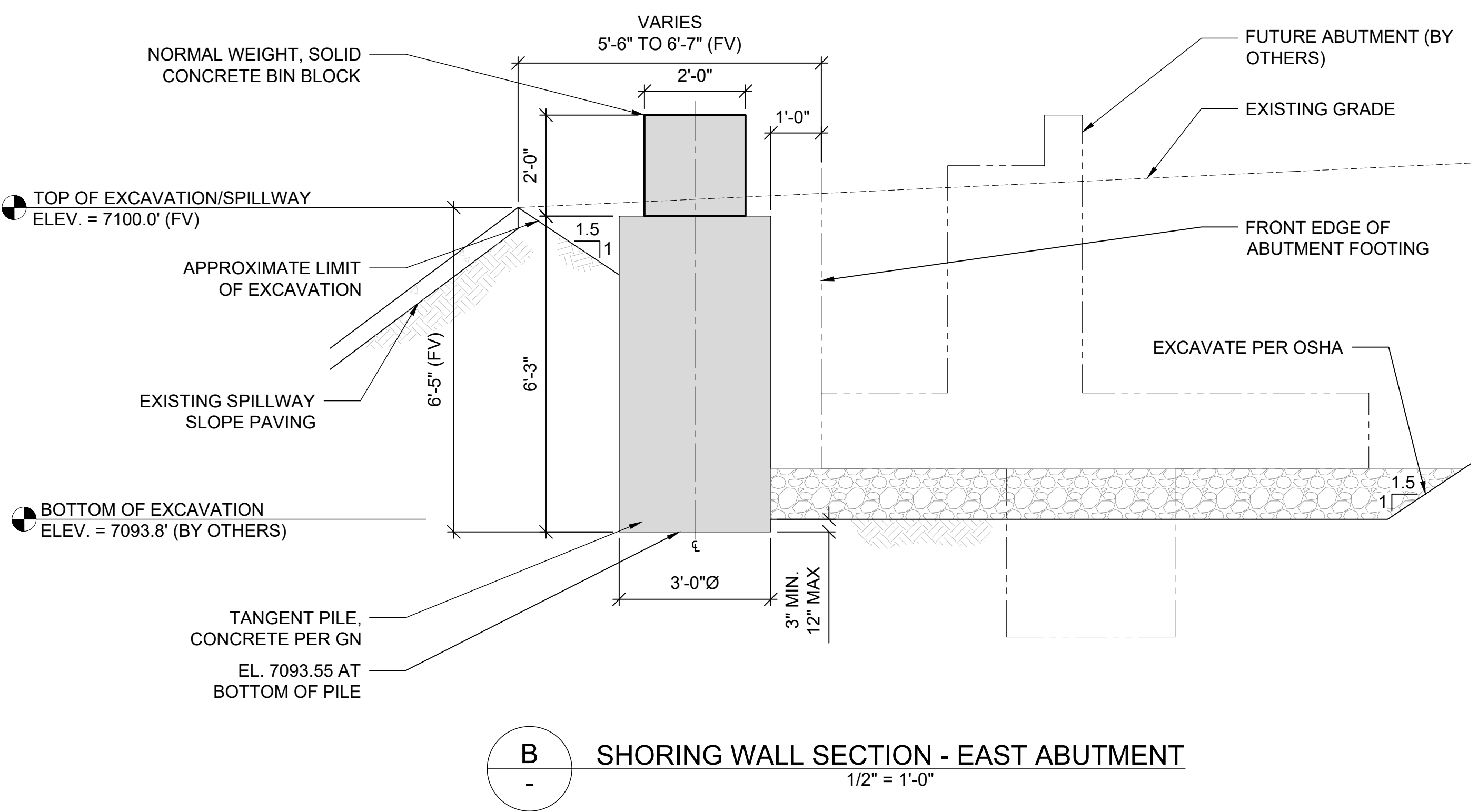
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A SHORING WALL SECTION - WEST ABUTMENT
1/2" = 1'-0"



B SHORING WALL SECTION - EAST ABUTMENT
1/2" = 1'-0"

SUPPORT OF EXCAVATION SECTIONS

NO.	DATE	REVISION

ENGINEER: KTB PROJECT NO: 26-2199-0000
PROJECT MGR: WGT ORIGIN DATE: 2026/05/04
REVIEWER: WGT SCALE: AS SHOWN

SHEET: TS-3

DOCUMENT NUMBER: ED-1101-A TEMPLATE: 2204 BORDER