

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

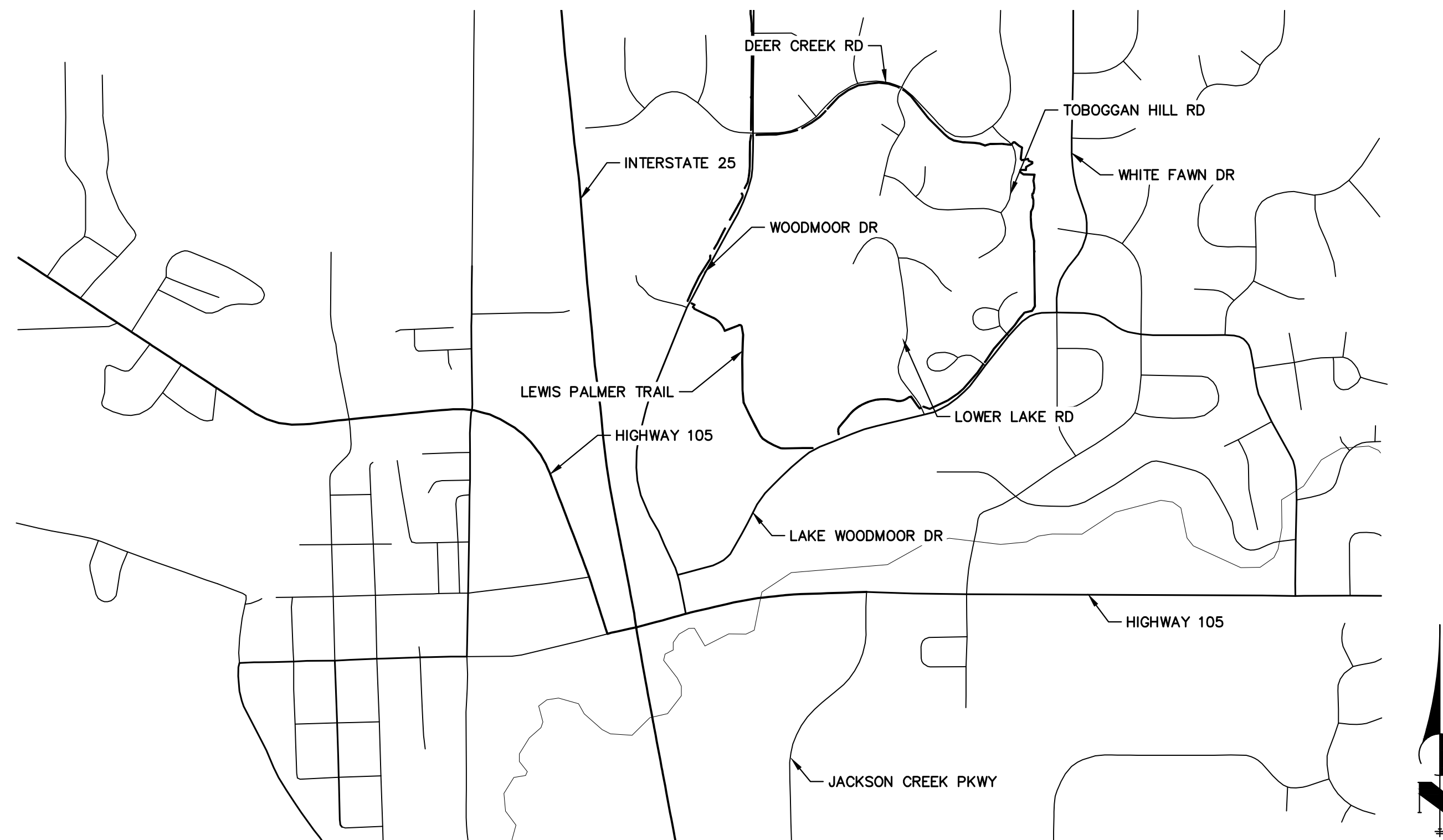
LEWIS PALMER SCHOOL DISTRICT 38

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

TABULATION OF LENGTH & DESIGN DATA

STATION	PATH LENGTH (FT)
WOODMOOR DRIVE BEGIN PATH 0+00.00 END PATH 30+99.13	3099.13
WILLOW PARK WAY & LAKE ACCESS ROAD BEGIN PATH 30+99.13 END PATH 52+84.41	2185.28
LAKE WOODMOOR DRIVE BEGIN PATH 52+84.41 END PATH 55+32.09	247.68
CORONADO BEACH DR BEGIN PATH 55+32.09 END PATH 64+33.46	901.37
LOWER LAKE ROAD BEGIN PATH 64+33.46 END PATH 66+69.77	236.31
LAKE WOODMOOR DRIVE BEGIN PATH 66+69.77 END PATH 80+76.62	1406.85
WOODMOOR IMPROVEMENT (ASSOCIATION- OPEN SPACE) BEGIN PATH 80+76.62 END PATH 103+00.00	2223.38
DEER CREEK ROAD BEGIN PATH 103+00.00 END PATH 127+63.00	2463.00

TOWN OF MONUMENT, EL PASO COUNTY, COLORADO



VICINITY MAP
SCALE: 1"=1000'

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

SHEET INDEX

1	- COVER SHEET
2	- STANDARDS PLAN LIST
3	- LEGEND
4	- TYPICAL SECTIONS
5-6	- RAMP DETAILS
7-9	- GEC DETAILS
10	- NOTES
11	- SUMMARY OF APPROXIMATE QUANTITIES
12	- SURVEY TABULATIONS
13-15	- HORIZONTAL CONTROL PLANS
16-31	- TRAIL PLAN AND PROFILE
32-44	- CROSS SECTION

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 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 NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

GLENN D. ELLIS, P.E.
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC
DATE: March 2, 2023

OWNER/DEVELOPER STATEMENT

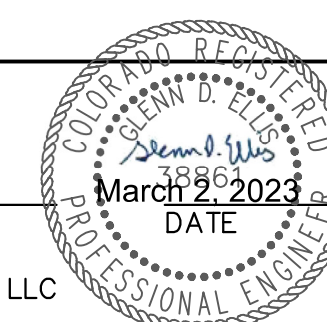
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

Ricky Vestal _____ DATE: 3/14/2023
RICKY VESTAL
LEWIS PALMER SCHOOL DISTRICT 38
146 N. JEFFERSON STREET
MONUMENT, CO 80132

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: 03/01/2023

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 719-593-2583
Fort Collins 970-491-9888 • www.jrengineering.com

Sheet Revisions			
Date:	Comments	Init.	

Colorado Department of Transportation

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

LP Lewis Palmer School District 38

Region 2

As Constructed	LEWIS PALMER TRAIL COVER SHEET			Project No./Code
No Revisions:				M915-009/22585
Revised:	Designer: GG	Structure Numbers		2520300
Void:	Detailer: GG	Sheet Subset:	Subset Sheets: OF	Sheet Number 1 OF 44

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> M-100-1	STANDARD SYMBOLS (3 SHEETS)	1-3
<input type="checkbox"/> M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS)	4-7
<input type="checkbox"/> M-203-1	APPROACH ROADS	8
<input type="checkbox"/> M-203-2	DITCH TYPES	9
<input type="checkbox"/> M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)	10-12
<input type="checkbox"/> M-203-12	SUPERELEVATION STREETS (2 SHEETS)	13-14
<input type="checkbox"/> M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)	15-16
<input type="checkbox"/> M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)	17-18
<input checked="" type="checkbox"/> M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS)	19-29
<input type="checkbox"/> M-210-1	MAILBOX SUPPORTS (2 SHEETS)	30-31
<input type="checkbox"/> M-214-1	NURSERY STOCK DETAILS	32
<input type="checkbox"/> M-216-1	SOIL RETENTION COVERING (2 SHEETS)	33-34
<input type="checkbox"/> M-412-1	CONCRETE PAVEMENT JOINTS (9 SHEETS) <i>(REVISED ON JANUARY 31, 2022)</i>	35-39
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<input type="checkbox"/> M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING	40
<input type="checkbox"/> M-601-1	SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	41-42
<input type="checkbox"/> M-601-2	DOUBLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	43-44
<input type="checkbox"/> M-601-3	TRIPLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	45-46
<input type="checkbox"/> M-601-10	HEADWALL FOR PIPES	47
<input type="checkbox"/> M-601-11	TYPE "S" SADDLE HEADWALLS FOR PIPE	48
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<input type="checkbox"/> M-601-20	WINGWALLS FOR PIPE OR BOX CULVERTS (2 SHEETS)	50-51
<input type="checkbox"/> M-603-1	METAL PIPE (4 SHEETS)	52-55
<input type="checkbox"/> M-603-2	REINFORCED CONCRETE PIPE	56
<input type="checkbox"/> M-603-3	PRECAST CONCRETE BOX CULVERT <i>(REVISED ON SEPTEMBER 10, 2020)</i>	57
<input type="checkbox"/> M-603-4	CORRUGATED POLYETHYLENE PIPE (AASHTO M294) AND CORRUGATED POLYPROPYLENE PIPE (AASHTO M330) (2 sheets) <i>(REVISED ON MARCH 7, 2022)</i>	58
<input type="checkbox"/> M-603-5	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304)	59
<input type="checkbox"/> M-603-6	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)	60
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<input type="checkbox"/> M-603-12	TRAVERSABLE END SECTIONS AND SAFETY GRATES (3 SHEETS)	62-64
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<input type="checkbox"/> M-604-11	INLET, TYPE D	66
<input type="checkbox"/> M-604-12	CURB INLET TYPE R (2 SHEETS)	67-68
<input type="checkbox"/> M-604-13	CONCRETE INLET TYPE 13	69
<input type="checkbox"/> M-604-20	MANHOLES (3 SHEETS)	70-72
<input type="checkbox"/> M-604-25	VANE GRATE INLET (5 SHEETS)	73-77
<input type="checkbox"/> M-605-1	SUBSURFACE DRAINS	78




PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> M-606-1	MIDWEST GUARDRAIL SYSTEM TYPE 3 W-BEAM 31 INCHES (19 SHEETS) <i>(REVISED ON MARCH 5, 2020)</i>	79-97
<input type="checkbox"/> M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)	98-101
<input type="checkbox"/> M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS) <i>(REVISED ON AUGUST 21, 2020)</i>	102-104
<input type="checkbox"/> M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS) <i>(REVISED ON MARCH 5, 2020)</i>	105-115
<input type="checkbox"/> M-607-1	WIRE FENCES AND GATES (3 SHEETS)	116-118
<input type="checkbox"/> M-607-2	CHAIN LINK FENCE (3 SHEETS)	119-121
<input type="checkbox"/> M-607-3	BARRIER FENCE	122
<input type="checkbox"/> M-607-4	DEER FENCE, GATES, AND GAME RAMPS (7 SHEETS) <i>(REVISED ON JULY 13, 2020)</i>	123-127
<input type="checkbox"/> M-607-10	PICKET SNOW FENCE	128
<input type="checkbox"/> M-607-15	ROAD CLOSURE GATE (9 SHEETS)	129-137
<input checked="" type="checkbox"/> M-608-1	CURB RAMPS (10 SHEETS)	138-147
<input type="checkbox"/> M-609-1	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS)	148-151
<input type="checkbox"/> M-611-1	CATTLE GUARD (2 SHEETS)	152-153
<input type="checkbox"/> M-611-2	DEER GUARD (2 SHEETS)	154-155
<input type="checkbox"/> M-614-1	RUMBLE STRIPS (3 SHEETS)	156-158
<input type="checkbox"/> M-614-2	SAND BARREL ARRAYS (2 SHEETS)	159-160
<input type="checkbox"/> M-615-1	EMBANKMENT PROTECTOR TYPE 3	161
<input type="checkbox"/> M-615-2	EMBANKMENT PROTECTOR TYPE 5	162
<input type="checkbox"/> M-616-1	INVERTED SIPHON	163
<input type="checkbox"/> M-620-1	FIELD LABORATORY CLASS 1	164
<input type="checkbox"/> M-620-2	FIELD LABORATORY CLASS 2 (2 SHEETS)	165-166
<input type="checkbox"/> M-620-11	FIELD OFFICE CLASS 1	167
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PLAN NUMBER	S STANDARD TITLE	PAGE NUMBER
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<input type="checkbox"/> S-613-1	ROADWAY LIGHTING (6 SHEETS) <i>(REVISED ON SEPTEMBER 30, 2020)</i>	179-186
<input checked="" type="checkbox"/> S-613-2	ALTERNATIVE ROADWAY LIGHTING (4 SHEETS) <i>(NEW, ISSUED ON SEPTEMBER 30, 2020)</i>	
<input type="checkbox"/> S-614-1	GROUND SIGN PLACEMENT (2 SHEETS)	187-188
<input type="checkbox"/> S-614-2	CLASS I SIGNS	189
<input type="checkbox"/> S-614-3	CLASS II SIGNS	190
<input type="checkbox"/> S-614-4	CLASS III SIGNS (3 SHEETS)	191-193
<input type="checkbox"/> S-614-5	BREAK-AWAY SIGN SUPPORT DETAILS FOR CLASS III SIGNS (2 SHEETS)	194-195
<input type="checkbox"/> S-614-6	CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS (2 SHEETS)	196-197
<input type="checkbox"/> S-614-8	TUBULAR STEEL SIGN SUPPORT DETAILS (7 SHEETS) <i>(REVISED ON DECEMBER 31, 2020)</i>	198-204
S-614-9	PEDESTRIAN PUSH BUTTON POST ASSEMBLY (2 SHEETS) <i>(SUPERSEDED ON JANUARY 23, 2020 BY S-614-45)</i>	205-206
<input type="checkbox"/> S-614-10	MARKER ASSEMBLY INSTALLATIONS	207
<input type="checkbox"/> S-614-11	MILEPOST SIGN DETAIL FOR HIGH SNOW AREAS	208
<input type="checkbox"/> S-614-12	STRUCTURE NUMBER INSTALLATION (2 SHEETS)	209-210
<input type="checkbox"/> S-614-14	FLASHING BEACON AND SIGN INSTALLATIONS (4 SHEETS)	211-214
<input type="checkbox"/> S-614-20	TYPICAL POLE MOUNT SIGN INSTALLATIONS	215
<input type="checkbox"/> S-614-21	CONCRETE BARRIER SIGN POST INSTALLATIONS (2 SHEETS) <i>(REVISED ON SEPTEMBER 21, 2020)</i>	216-217
<input type="checkbox"/> S-614-22	TYPICAL MULTI-SIGN INSTALLATIONS	218
<input type="checkbox"/> S-614-40	TYPICAL TRAFFIC SIGNAL 30'-75' DOUBLE MAST ARMS 65'-75' SINGLE MAST ARMS (5 SHEETS) <i>(REVISED ON JULY 22, 2022)</i>	219-223
<input type="checkbox"/> S-614-40A	ALTERNATIVE TRAFFIC SIGNAL 25'-55' SINGLE MAST ARMS (4 SHEETS) <i>(REVISED ON JULY 22, 2022)</i>	224-227
<input type="checkbox"/> S-614-41	TEMPORARY SPAN WIRE SIGNALS (13 SHEETS)	228-240
<input type="checkbox"/> S-614-42	CABINET FOUNDATION DETAIL (4 SHEETS)	241-244
<input type="checkbox"/> S-614-43	TRAFFIC LOOP AND MISCELLANEOUS SIGNAL DETAILS (8 SHEETS)	245-252
<input type="checkbox"/> S-614-44	PEDESTAL POLE SIGNALS (2 SHEETS)	253-254
<input type="checkbox"/> S-614-45	PEDESTRIAN PUSH BUTTON POST ASSEMBLY DETAILS (6 SHEETS) <i>(REVISED ON DECEMBER 3, 2020)</i>	
<input type="checkbox"/> S-614-50	STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS)	255-266
<input type="checkbox"/> S-614-60	DYNAMIC SIGN MONOTUBE STRUCTURES (14 SHEETS)	267-280
<input type="checkbox"/> S-627-1	PAVEMENT MARKINGS (9 SHEETS) <i>(REVISED ON JULY 22, 2022)</i>	281-289
<input type="checkbox"/> S-630-1	TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION (24 SHEETS)	290-313
<input type="checkbox"/> S-630-2	BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP.) AND VERTICAL PANELS	314
<input type="checkbox"/> S-630-3	FLASHING BEACON (PORTABLE) DETAILS	315
<input type="checkbox"/> S-630-4	STEEL SIGN SUPPORT (TEMPORARY) INSTALLATION DETAILS (2 SHEETS)	316-317
<input type="checkbox"/> S-630-5	PORTABLE RUMBLE STRIPS (TEMPORARY) (2 SHEETS)	318-319
<input type="checkbox"/> S-630-6	EMERGENCY PULL-OFF AREA (TEMPORARY)	320
<input type="checkbox"/> S-630-7	ROLLING ROADBLOCKS FOR TRAFFIC CONTROL (3 SHEETS)	321-323

COLORADO
 DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
 July 31, 2019
 Revised on September 6, 2022

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX AND WILL BE ATTACHED TO THE PLANS. ALL THE OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

Print Date: 03/01/2023		Sheet Revisions			Colorado Department of Transportation		As Constructed		LEWIS PALMER TRAIL STANDARDS PLAN LIST			Project No./Code				
File Name:		Date:	Comments	Init.	 5615 WILL BLVD. Pueblo, CO 81008 Phone: 719-546-5750 Region 2		 Lewis Palmer School District 38		No Revisions: Revised: Void:		Designer: GG Detailer: GG Sheet Subset:		Structure Numbers Subset Sheets: OF		M915-009/22585	
Horiz. Scale: N/A															2520300	
Unit name															Sheet Number 2 OF 44	
Unit leader																
 J-R ENGINEERING A Westrian Company Centennial 303-740-9393 • Colorado Springs 719-593-2583 Fort Collins 970-491-9888 • www.jrengineering.com																

X:\25203000\Drawings\Sheet\Drawings\25203000\CDOT.dwg, STANDARD PLAN LIST, 3/2/2023 11:38:37 AM, CS

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	⊕

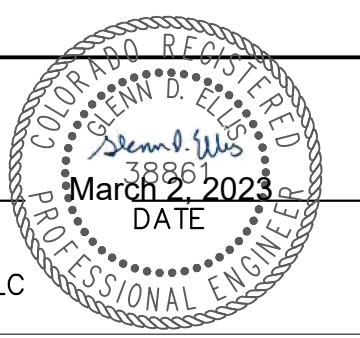
LANDSCAPE LEGEND

	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

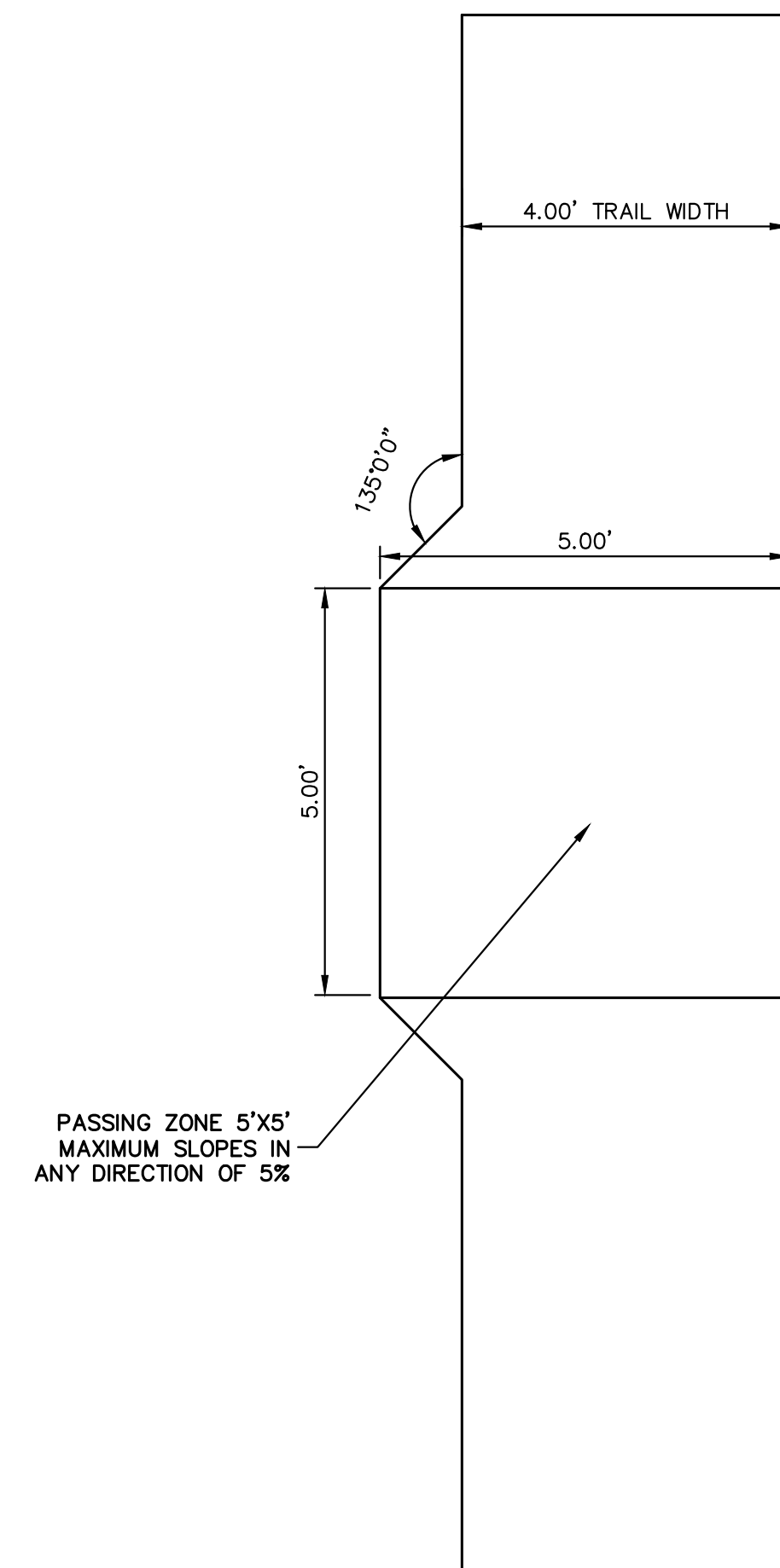


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 Unit name Unit leader
J-R ENGINEERING
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 Fort Collins 970-491-9888 • www.jrengineering.com

Sheet Revisions		
Date:	Comments	Init.

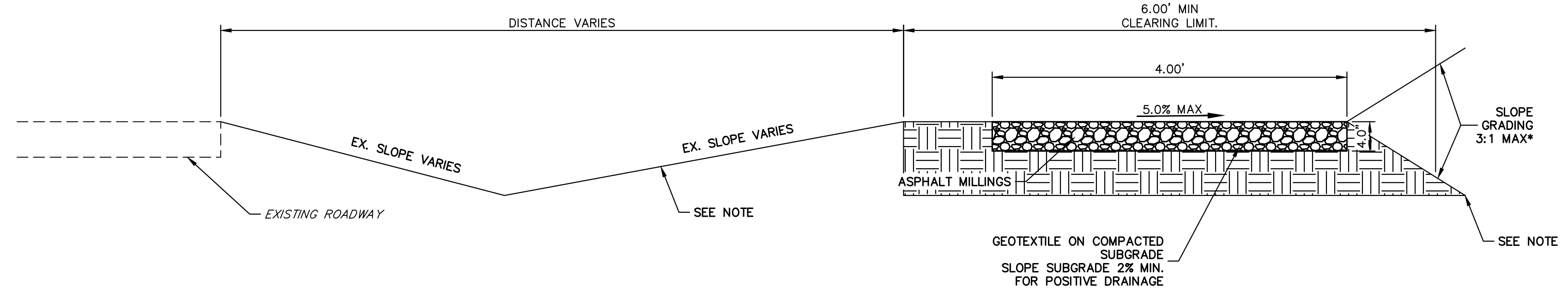
Colorado Department of Transportation
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2
LP
 Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL LEGEND		Project No./Code
No Revisions:	Designer:	GG	M915-009/22585
Revised:	Detailer:	GG	2520300
Void:	Sheet Subset:	Subset Sheets:	Sheet Number 3 OF 44



PASSING ZONE
SCALE: N.T.S.

NOTE:
PLACE SILT FENCE AT THE BASE OF THE DOWN HILL SIDE OF THE DISTURBED AREA. REFER TO COUNTY DETAILS ON SHEET 7.



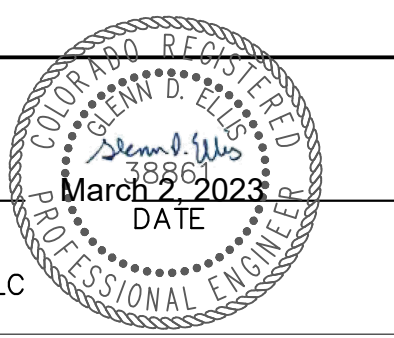
PROPOSED TRAIL TYPICAL SECTION
SCALE: N.T.S.

* - UNLESS STATED OTHERWISE IN THE PLANS OR CROSS-SECTIONS



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Sheet Revisions		
Date:	Comments	Init.

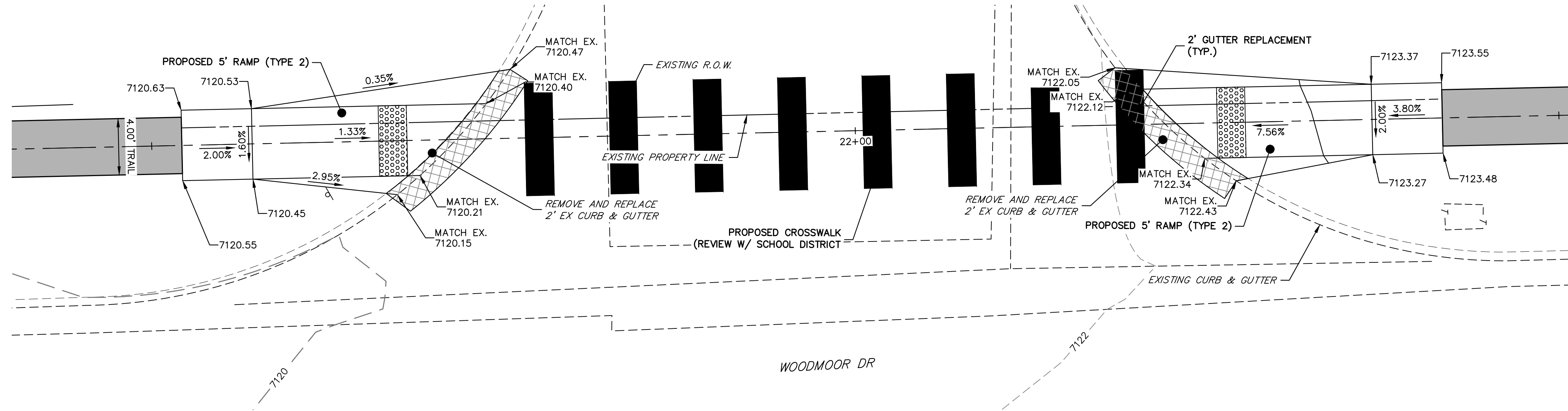
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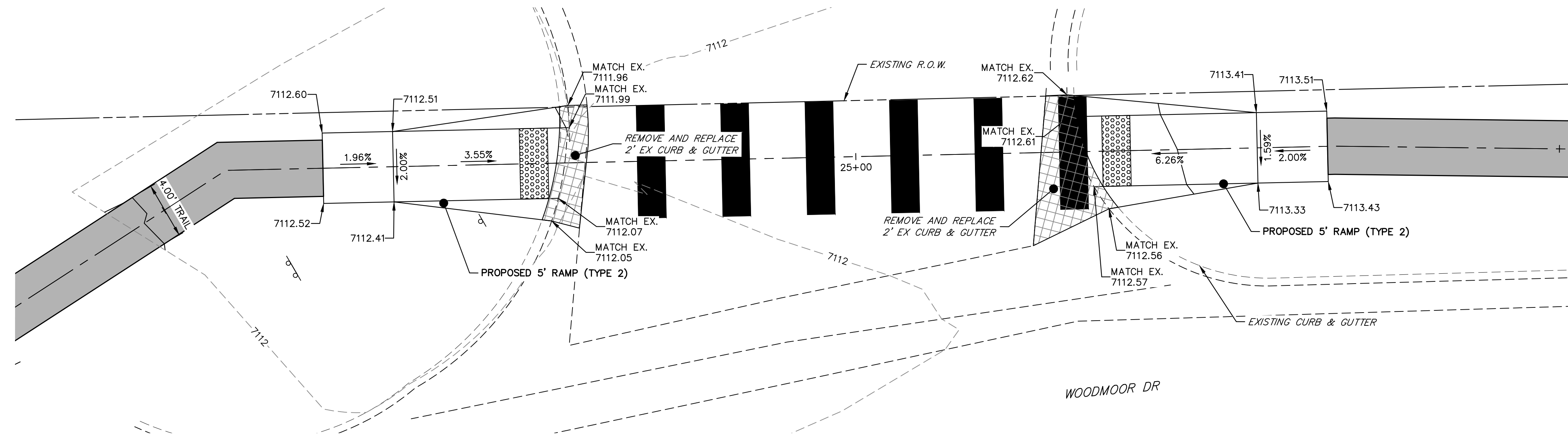
LEWIS PALMER TRAIL TYPICAL SECTIONS			
Designer:	GG	Structure Numbers	
Detailer:	GG		
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	4 OF 44

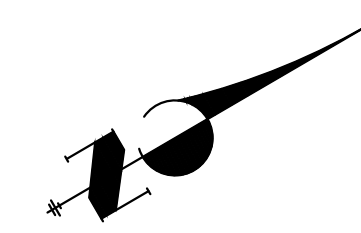
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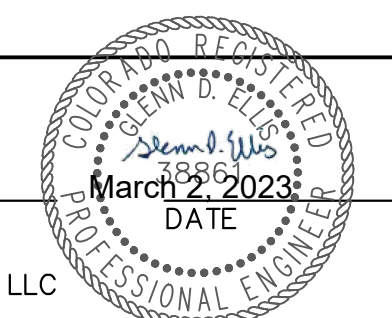
RAMP DETAIL
STA: 24+48.28 TO 25+62.62



5 3 0 5 10
ORIGINAL SCALE: 1" = 5'

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LEWIS PALMER TRAIL RAMP DETAILS			
Designer:	GG	Structure	
Detailer:	GG	Numbers	
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Project No./Code
M915-009/22585
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Sheet Number 5 OF 44

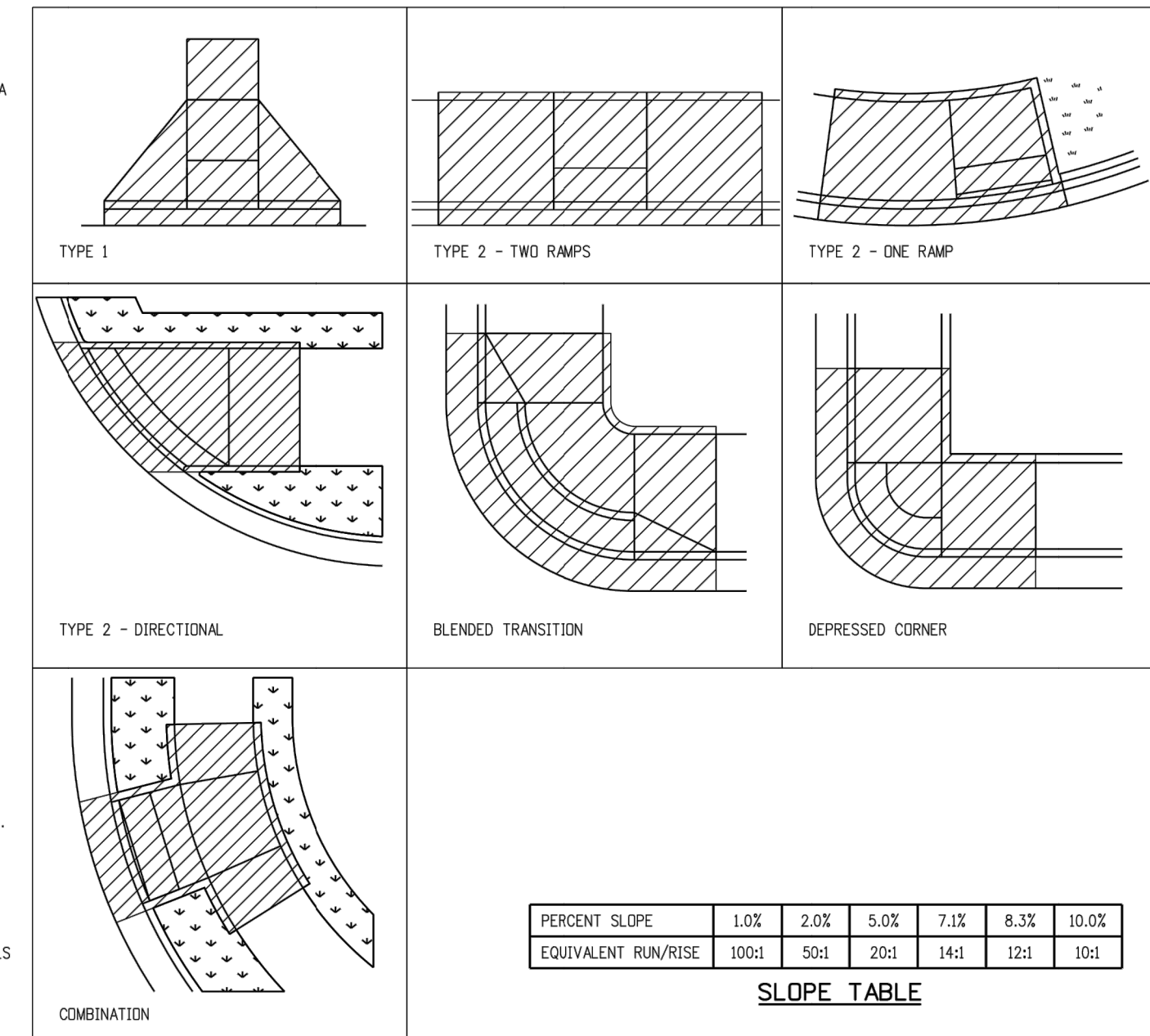
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CURB RAMP GENERAL NOTES:

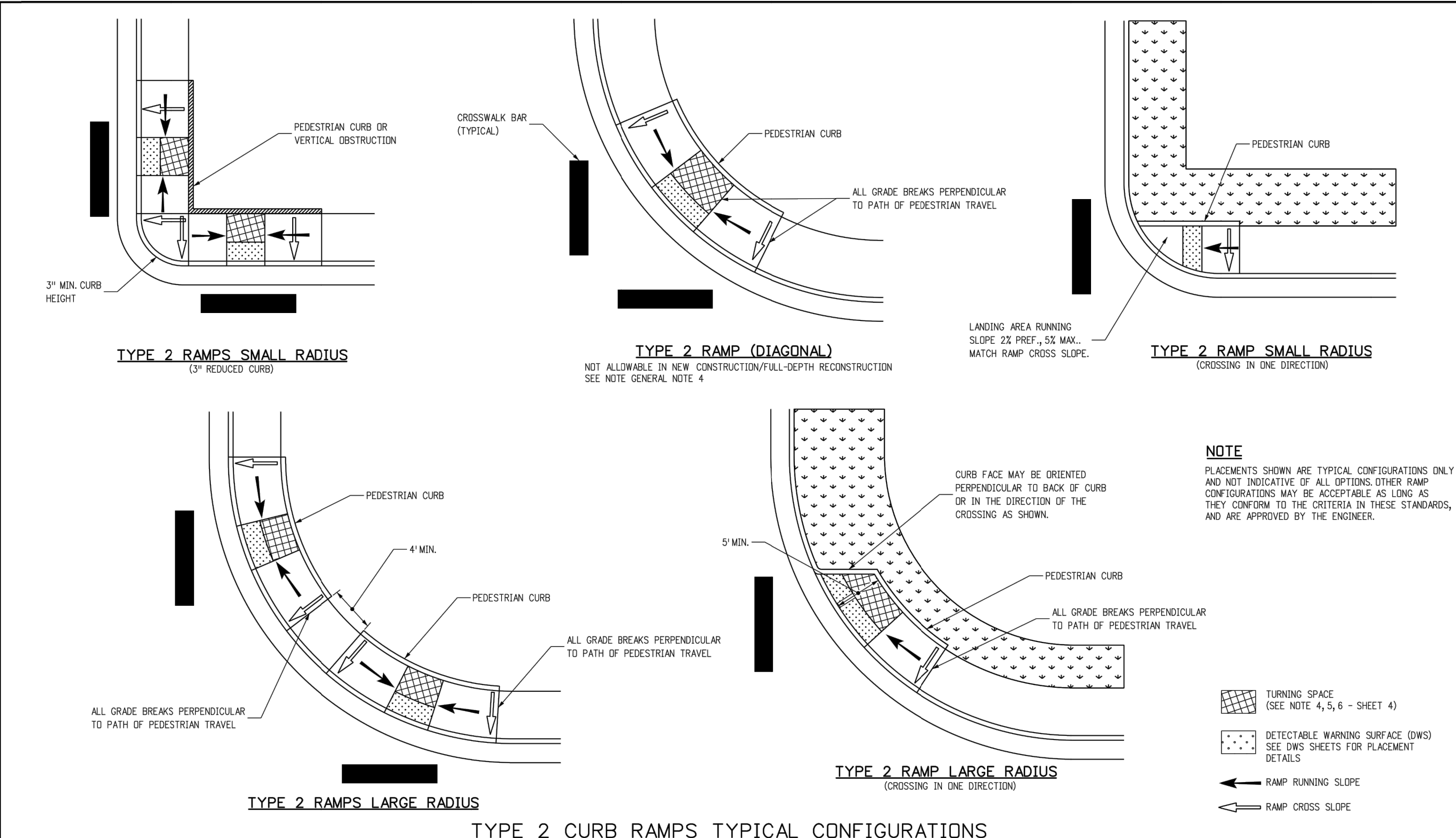
- 1 IN NEW CONSTRUCTION OR FULL-DEPTH RECONSTRUCTION, PROVIDE A SEPARATE CURB RAMP FOR EACH MARKED OR UNMARKED PEDESTRIAN STREET CROSSING. CURB RAMP SHALL BE CONTAINED WHOLLY WITHIN THE WIDTH OF THE PEDESTRIAN STREET CROSSING OR CROSSWALK THEY SERVE, OR AS SHOWN ON THE CONTRACT PLANS.
- 2 ALTERATIONS ARE DEFINED AS CHANGES TO AN EXISTING HIGHWAY THAT AFFECT PEDESTRIAN ACCESS, CIRCULATION, OR USE. ALTERATIONS INCLUDE, BUT ARE NOT LIMITED TO, RESURFACING, REHABILITATION, RECONSTRUCTION, CURB RAMP RETROFITS, HISTORIC RESTORATION, OR CHANGES OR REARRANGEMENT TO STRUCTURAL PARTS OR ELEMENTS OF A PEDESTRIAN FACILITY.
- 3 A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP OR TURNING SPACE, WITHOUT RAISED OBSTACLES, THAT COULD BE MISTAKENLY TRAVERSED BY A USER WHO IS VISUALLY IMPAIRED.
- 4 IN ALTERATIONS, WHERE AN EXISTING PHYSICAL CONSTRAINT PREVENTS PROVIDING A SEPARATE CURB RAMP FOR EACH PEDESTRIAN STREET CROSSING, A SINGLE DIAGONAL RAMP (ON THE APEX) SHALL BE PERMITTED TO SERVE BOTH PEDESTRIAN STREET CROSSINGS. THE USE OF A SINGLE DIAGONAL RAMP SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. DIAGONAL RAMP IS NOT ACCEPTABLE IN NEW CONSTRUCTION OR FULL-DEPTH RECONSTRUCTION.
- 5 DETECTABLE WARNING SURFACES (DWS) ARE INTENDED TO INDICATE THE BOUNDARY BETWEEN A PEDESTRIAN ROUTE AND VEHICULAR ROUTE WHERE THERE IS A FLUSH RATHER THAN CURBED CONNECTION. DWS ARE NOT INTENDED TO PROVIDE WAYFINDING. DWS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 1. CURB RAMPS, BLENDED TRANSITIONS, AND DEPRESSED CORNERS AT PEDESTRIAN STREET CROSSINGS;
 2. PEDESTRIAN REFUGE ISLANDS (6 FEET IN WIDTH OR GREATER);
 3. BOARDING PLATFORMS AT TRANSIT STOPS WHERE THE EDGE OF THE PLATFORM IS NOT PROTECTED TO PEDESTRIAN CROSS TRAFFIC; AND
 4. BOARDING AREAS AT SIDEWALK OR STREET LEVEL TRANSIT STOPS WHERE THE AREA IS NOT PROTECTED TO PEDESTRIAN CROSS TRAFFIC.
- 6 DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT GUTTER, HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE. EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. FEDERAL YELLOW COLOR IS PREFERRED, HOWEVER, OTHER COLORS MAY BE USED IF APPROVED BY THE ENGINEER.
- 7 IN ALTERATIONS, TO AVOID CHASING GRADE INDEFINITELY ON STEEP ROADWAYS, A CURB RAMP LENGTH IS NOT REQUIRED TO EXCEED 15 FEET REGARDLESS OF THE RESULTING RAMP RUNNING SLOPE.
- 8 ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE.
- 9 DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, OR OTHER OBSTRUCTIONS SHALL NOT BE INSTALLED ON THE CURB RAMP, OR TURNING SPACE AREAS.
- 10 IN NEW CONSTRUCTION, PULL BOXES, METER BOXES, MAINTENANCE HOLE COVERS, VAULT LIDS, OR SIMILAR, SHALL NOT BE CONSTRUCTED WITHIN ANY PART OF CURB RAMP OR TURNING SPACE. IN ALTERATIONS, WHERE THESE ITEMS CANNOT BE RELOCATED OUTSIDE OF THE CURB RAMP OR TURNING SPACE, THEY MUST NOT CREATE A VERTICAL DISCONTINUITY GREATER THAN 1/2 INCH. ANY VERTICAL DISCONTINUITY BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1V:2H. THE BEVEL SHALL BE APPLIED ACROSS THE ENTIRE SURFACE DISCONTINUITY.
- 11 CONSTRUCTION OF ANY REQUIRED PEDESTRIAN CURB SHALL BE INCLUDED IN THE BID PRICE OF THE CONCRETE CURB RAMP AND WILL NOT BE PAID FOR SEPARATELY.
- 12 ALL CURB RAMP JOINTS AND GRADE BREAKS SHALL BE FLUSH (0"-1/8"). THE JOINT BETWEEN THE ROADWAY SURFACE AND THE GUTTER PAN SHALL BE FLUSH.
- 13 THE CONTRACTOR SHALL VERIFY REMOVAL LIMITS ARE SUFFICIENT TO PROVIDE POSITIVE DRAINAGE, MAINTAIN EXISTING DRAINAGE PATTERNS, AND AVOID PONDING IN THE FINAL CONFIGURATION.
- 14 FLARED SIDE SLOPES MAY EXCEED 10.0% ONLY WHERE THEY ADJUT A NON-WALKABLE SURFACE, OR WHERE THE ADJACENT RAMP SURFACE IS BLOCKED TO PEDESTRIAN TRAFFIC.
- 15 THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 13.33%. THE COUNTER SLOPE OF THE GUTTER AT THE FOOT OF A RAMP, TURNING SPACE, OR BLENDED TRANSITION SHALL NOT EXCEED 5.0%.
- 16 GRADE BREAKS AT THE TOP AND BOTTOM OF RAMP RUNS SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. GRADE BREAKS SHALL NOT BE PERMITTED ON THE SURFACE OF THE RAMP RUN OR TURNING SPACE. SURFACE SLOPES THAT MEET AT GRADE BREAKS SHALL BE FLUSH.
- 17 A BROOM FINISH, WITH SWEEPS PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC, SHALL BE APPLIED TO ALL RAMP AND TURNING SPACE SURFACES.
- 18 IN ALTERATIONS, WHERE A RAMP OR TURNING SPACE MUST TIE INTO AN EXISTING GRADE THAT CANNOT BE ALTERED, THE RAMP OR TURNING SPACE MAY BE WARPED TO TRANSITION TO THE REQUIRED CROSS SLOPE. THE TRANSITION TO THE REQUIRED CROSS SLOPE SHALL BE SPREAD EVENLY OVER THE LENGTH OF THE RAMP OR TURNING SPACE TO MINIMIZE THE DEGREE OF WARPING. THE RATE OF CHANGE ON A RAMP OR TURNING SPACE SHALL NOT EXCEED 3% PER LINEAR FOOT.
- 19 DESIGN AND CONSTRUCT CURB RAMPS, TURNING SPACES, AND FLARE SLOPES WITH THE FLATTEST SLOPES POSSIBLE. THE SLOPES INDICATED IN THESE DETAILS SHOW THE MAXIMUM SLOPES ALLOWABLE. PREFERRED VALUES TO BE USED DURING DESIGN, LAYOUT, AND CONSTRUCTION ARE:
 - RAMP RUNNING SLOPE 7.5%
 - RAMP CROSS SLOPE 1.5%
 - TURNING SPACE RUNNING SLOPE 1.5%
 - TURNING SPACE CROSS SLOPE 1.5%
 - FLARE SLOPE 8:10-9:10

- 20 WHERE SNOW REMOVAL EQUIPMENT WILL BE USED TO CLEAR THE PEDESTRIAN ACCESS ROUTE, CONSULT THE ENGINEER PRIOR TO CONSTRUCTION TO ENSURE THE WIDTH AND THICKNESS OF CURB RAMPS IS SUFFICIENT TO ACCOMMODATE SUCH EQUIPMENT.
- 21 PROVIDE EXPANSION JOINT MATERIAL 1/2" THICK WHERE CURB RAMPS ADJOIN ANY RIGID PAVEMENT, OR STRUCTURE. THE TOP OF THE JOINT FILLER MATERIAL SHALL BE FLUSH WITH ADJOINING CONCRETE SURFACES. THE EXPANSION JOINT MATERIAL SHALL EXTEND FOR THE FULL DEPTH OF THE CONCRETE SURFACE.
- 22 PROVIDE TIE BAR REINFORCING BETWEEN INDEPENDENTLY POURED CONCRETE CURB RAMPS OR TURNING SPACES AND CURB AND GUTTER. DRILL AND GROUT NO. 4 12 INCH LONG REINFORCEMENT BARS (EPOXY COATED) AT 18 INCHES CENTER TO CENTER MINIMUM.

CURB RAMP PAY AREAS



GENERAL NOTES & PAY AREAS



NOTE
PLACEMENTS SHOWN ARE TYPICAL CONFIGURATIONS ONLY AND NOT INDICATIVE OF ALL OPTIONS. OTHER RAMP CONFIGURATIONS MAY BE ACCEPTABLE AS LONG AS THEY CONFORM TO THE CRITERIA IN THESE STANDARDS, AND ARE APPROVED BY THE ENGINEER.

- TURNING SPACE (SEE NOTE 4, 5, 6 - SHEET 4)
- DETECTABLE WARNING SURFACE (DWS) DETAILS (SEE DWS SHEETS FOR PLACEMENT DETAILS)
- RAMP RUNNING SLOPE
- RAMP CROSS SLOPE

Computer File Information Creation Date: 07/31/19 Designer Initials: JBK Last Modification Date: 07/31/19 Detailer Initials: LTA CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English		Sheet Revisions Date: _____ Comments: _____ Date: _____ Comments: _____ Date: _____ Comments: _____		Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch		STANDARD PLAN NO. M-608-1 Standard Sheet No. 1 of 10 Project Sheet Number: _____		Computer File Information Creation Date: 07/31/19 Designer Initials: JBK Last Modification Date: 07/31/19 Detailer Initials: LTA CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English		Sheet Revisions Date: _____ Comments: _____ Date: _____ Comments: _____ Date: _____ Comments: _____		Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch		STANDARD PLAN NO. M-608-1 Standard Sheet No. 5 of 10 Project Sheet Number: _____	
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Region 2

Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL RAMP DETAILS		Project No./Code
No Revisions:			M915-009/22585
Revised:	Designer: GG	Structure Numbers	2520300
Void:	Detailer: GG	Sheet Subset:	Sheet Number 6 OF 44
	Subst Sheets:	OF	

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

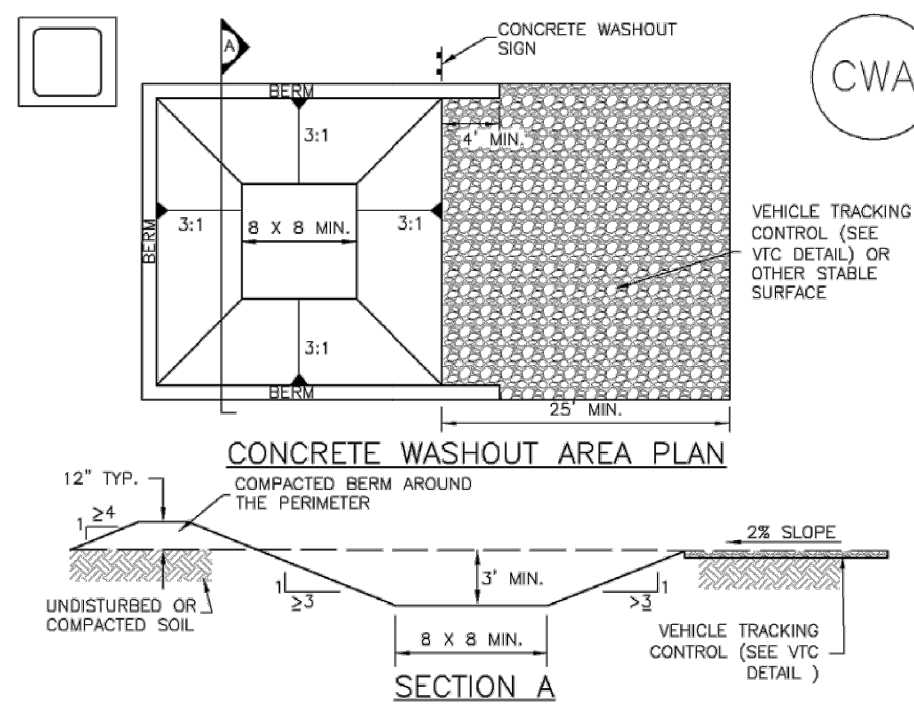
ENGINEER'S STATEMENT
 PREPARED UNDER MY SUPERVISION

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

March 2, 2023
 DATE

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Concrete Washout Area (CWA) MM-1



- CWA INSTALLATION NOTES**
- SEE PLAN VIEW FOR -CWA INSTALLATION LOCATION.
 - DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (18 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINER ABOVE GROUND STORAGE ARE SHOULD BE USED.
 - THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 - CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 6' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
 - BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
 - VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
 - SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
 - USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

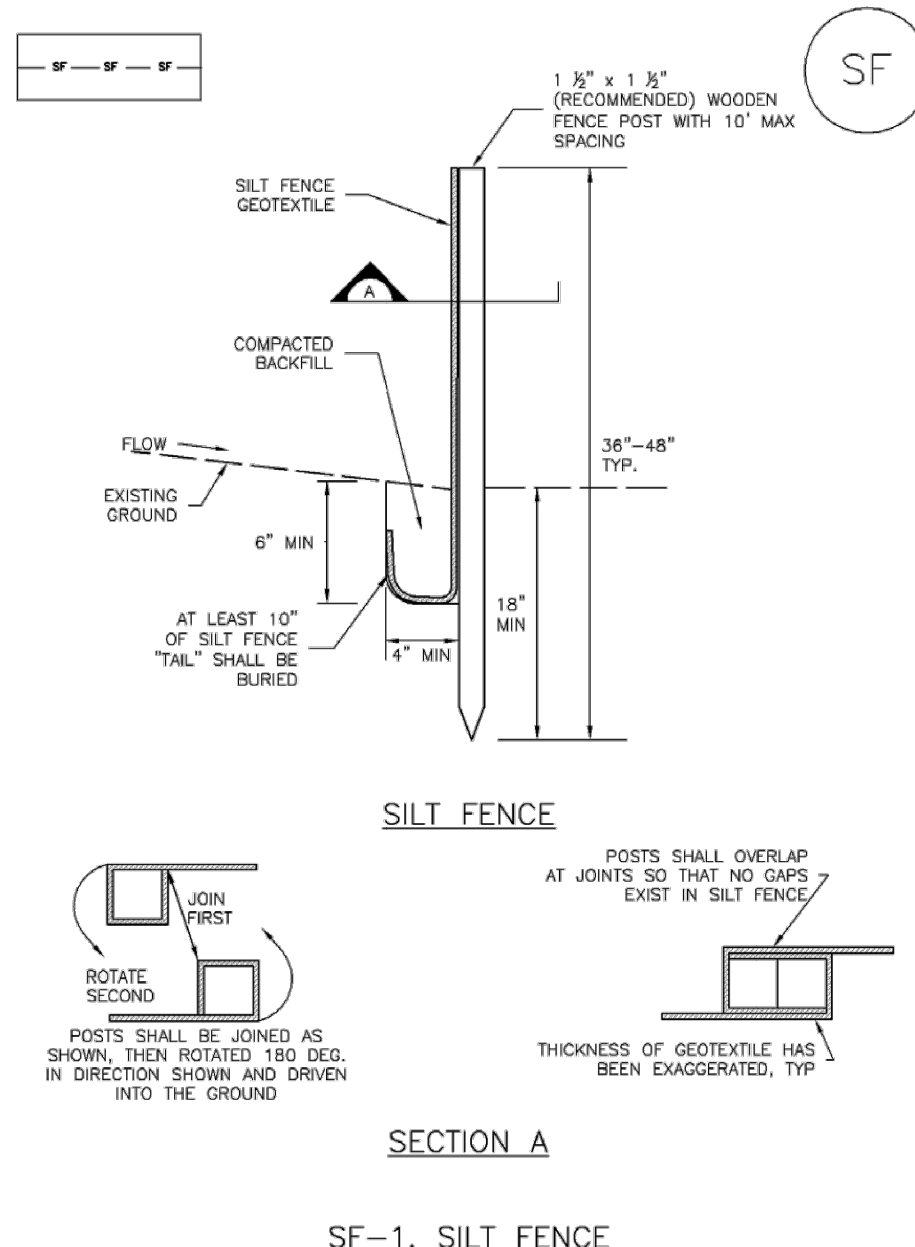
November 2010 Urban Drainage and Flood Control District CWA-3
Urban Storm Drainage Criteria Manual Volume 3

Concrete Washout Area (CWA) MM-1

- CWA MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
 - CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
 - THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
 - WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

November 2010 Urban Drainage and Flood Control District CWA-4
Urban Storm Drainage Criteria Manual Volume 3

Silt Fence (SF) SC-1



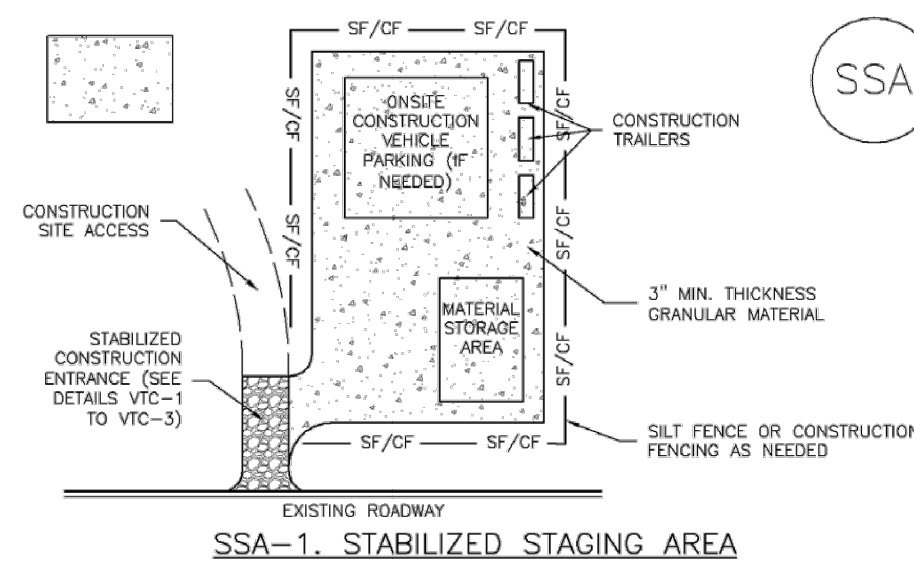
November 2010 Urban Drainage and Flood Control District SF-3
Urban Storm Drainage Criteria Manual Volume 3

Silt Fence (SF) SC-1

- SILT FENCE INSTALLATION NOTES**
- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-3 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
 - A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
 - COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
 - SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
 - SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
 - AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
 - SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- SILT FENCE MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
 - REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
 - SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
 - WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

November 2010 Urban Drainage and Flood Control District SF-4
Urban Storm Drainage Criteria Manual Volume 3

Stabilized Staging Area (SSA) SM-6



- STABILIZED STAGING AREA INSTALLATION NOTES**
- SEE PLAN VIEW FOR -LOCATION OF STAGING AREA(S). -CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 - STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 - STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 - THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
 - ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.
- STABILIZED STAGING AREA MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

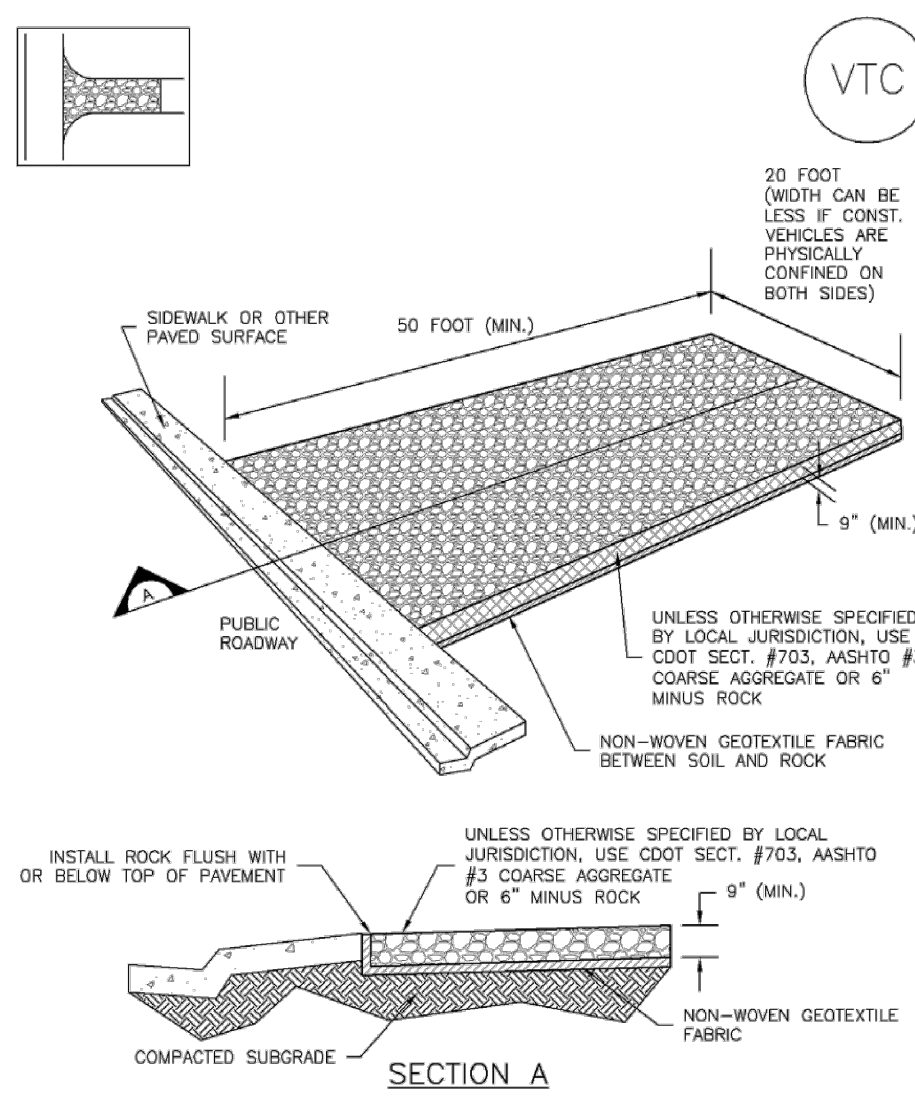
November 2010 Urban Drainage and Flood Control District SSA-3
Urban Storm Drainage Criteria Manual Volume 3

Stabilized Staging Area (SSA) SM-6

- STABILIZED STAGING AREA MAINTENANCE NOTES**
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 - THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

November 2010 Urban Drainage and Flood Control District SSA-4
Urban Storm Drainage Criteria Manual Volume 3

Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

GEC NOTES:

- THE CONTRACTOR SHALL DETERMINE THE LOCATIONS OF CONCRETE WASHOUT AREAS, STABILIZED STAGING AREAS, AND VEHICLE TRACKING CONTROL. THESE AREAS SHALL BE REVIEWED AND APPROVED BY THE SCHOOL DISTRICT PRIOR TO INSTALLATION.
- INITIAL AND INTERIM TEMPORARY CONTROL MEASURES INCLUDE: CONCRETE WASHOUT AREAS, SILT FENCE, SEDIMENT CONTROL LOGS, STABILIZED STAGING AREAS, AND VEHICLE TRACKING CONTROL.
- FINAL TEMPORARY CONTROL MEASURES INCLUDE: SEEDING AND MULCHING.
- LIMITS OF DISTURBANCE/CONSTRUCTION SHALL BE LIMITED TO THE GRADING BOUNDARY SHOWN ON THESE PLANS. WORK OUTSIDE OF THESE AREAS IS NOT PERMITTED.
- SILT FENCE AND SEDIMENT CONTROL LOG PLACEMENT SHALL FOLLOW THE PLANS SHOWN, BUT EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

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



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Unit name Unit leader
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Region 2
Lewis Palmer School District 38

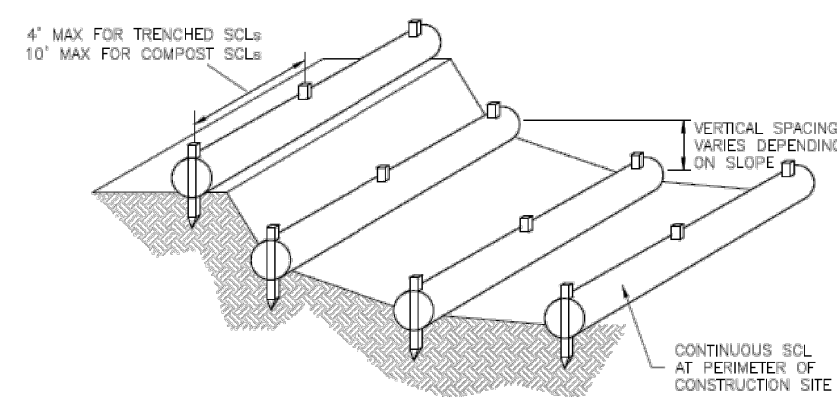
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No Revisions:
Revised:
Void:

LEWIS PALMER TRAIL	
GEC DETAILS	
Designer:	GG
Detailer:	GG
Sheet Subset:	Subset Sheets: OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	7 OF 44

Sediment Control Log (SCL)

SC-2



SCL-3. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-5

SC-2 Sediment Control Log (SCL)

- SEDIMENT CONTROL LOG INSTALLATION NOTES**
1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.
 2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADE/REPAIR/MAINTENANCE ACTIVITIES.
 3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSDOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
 4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.
 5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY 1/3 OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH FESSE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.
 6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.
 7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

- SEDIMENT CONTROL LOG MAINTENANCE NOTES**
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/3 OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
 5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION. COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SCL-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2015

GEC NOTES:

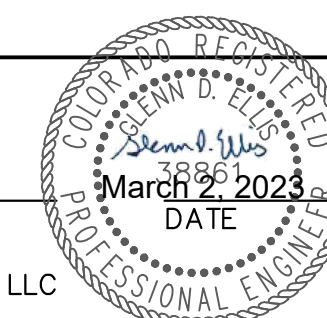
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COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC

Print Date: 03/01/2023	Sheet Revisions			Colorado Department of Transportation	As Constructed	LEWIS PALMER TRAIL			Project No./Code
File Name:	Date:	Comments	Init.			No Revisions:	GEC DETAILS		
Horiz. Scale: N/A				 5615 WILL BLVD. Pueblo, CO 81008 Phone: 719-546-5750 Region 2	Revised:	Designer:	GG	Structure	2520300
Unit name						Void:	Detailer:	GG	
Unit leader				 Lewis Palmer School District 38	Sheet Subset:	Subset Sheets:		OF	Sheet Number 8 OF 44
 J-R ENGINEERING A Westrian Company Centennial 303-740-9393 • Colorado Springs 719-593-2583 Fort Collins 970-491-9888 • www.jrengineering.com									

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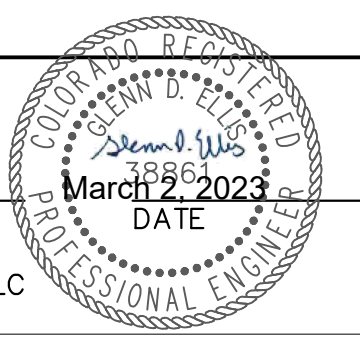
CDOT ITEM NO.	DESCRIPTION	UNIT	QUANTITY	
			PLAN	AS CONST.
201-00000	Clearing and Grubbing	LS	1	
202-00203	Removal of Curb and Gutter	LF	50	
203-00060	Embankment Material (Complete In Place)	CY	110	
208-00000-SPC	Erosion Control	LS	1	
208-00046	Pre-fabricated Concrete Washout Structure	EACH	1	
208-00070	Vehicle Tracking Pad	EACH	6	
210-01000	Reset Fence	LF	70	
212-00006	Seeding (Native)	ACRE	0.6	
213-00000	Mulching	ACRE	0.6	
213-00061	Mulch Tackifier	LB	300	
306-01000	Reconditioning	SY	4,150	
506-00218	Riprap (18 Inch)	CY	5	
603-01180	18 Inch Reinforced Concrete Pipe	LF	8	
603-05018	18 Inch Reinforced Concrete End Section	EACH	2	
608-00010	Concrete Curb Ramp	SY	75	
608-00015	Detectable Warnings	SF	65	
608-01550	Place Asphalt Millings	SY	4,150	
614-00011	Sign Panel (Class I)	SF	50	
614-00214	Steel Sign Post (1.75x1.75 Inch Tubing)	LF	75	
620-00020	Sanitary Facility	EACH	1	
625-00000	Construction Surveying	LS	1	
626-00000	Mobilization	LS	1	
627-00002	Thermoplastic Pavement Marking	SF	1,650	
630-10005	Traffic Control	LS	1	
700-70010	F/A Minor Contract Revisions	FA	1	



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FOR AND ON BEHALF OF JR ENGINEERING, LLC

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Region 2 Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL		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 11 OF 44
	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: PEDESTRIAN IMPROVEMENT

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: _____

- 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: _____

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

- 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: 03/01/2023

File Name: _____

Horiz. Scale: 1"=XX' Vert. Scale: _____


Unit name Unit leader




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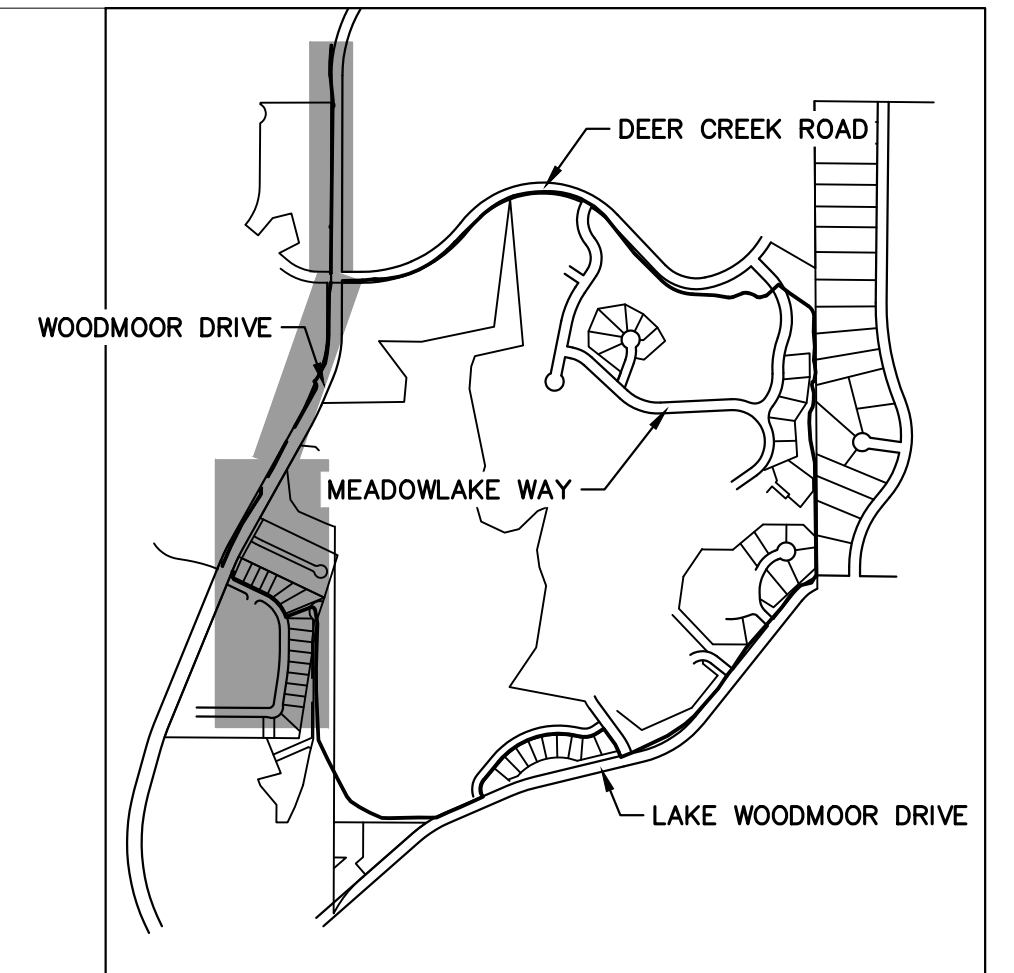


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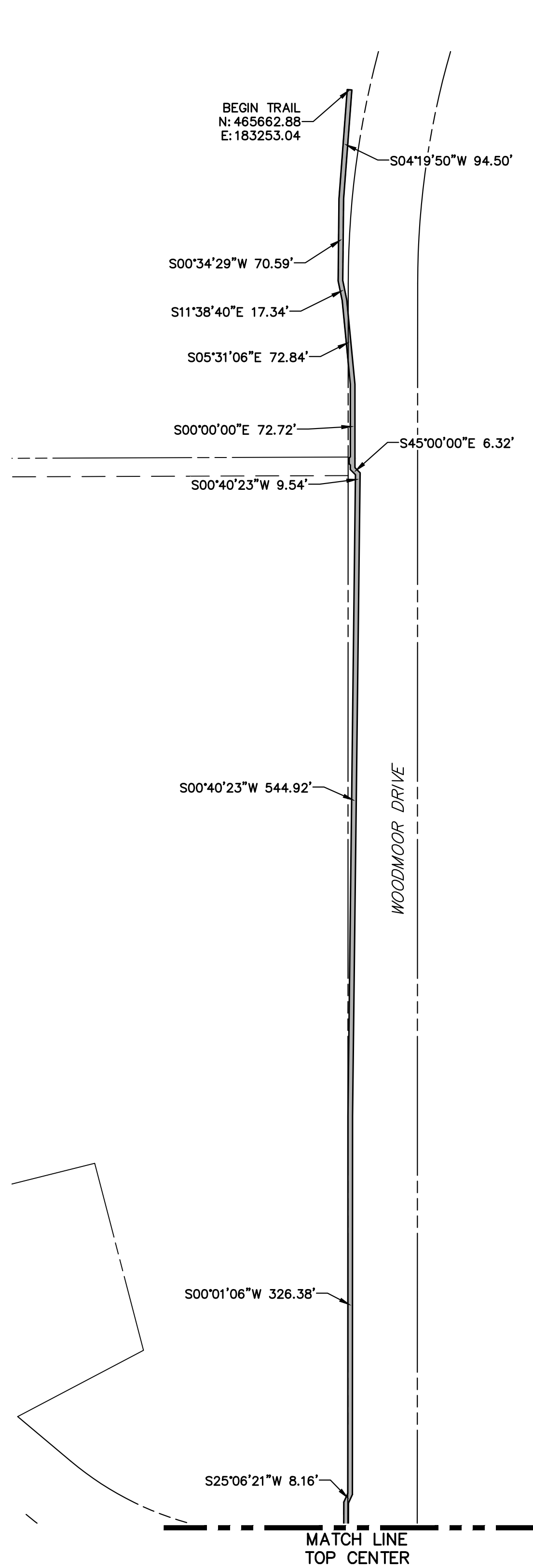


Region 2 Lewis Palmer School District 38

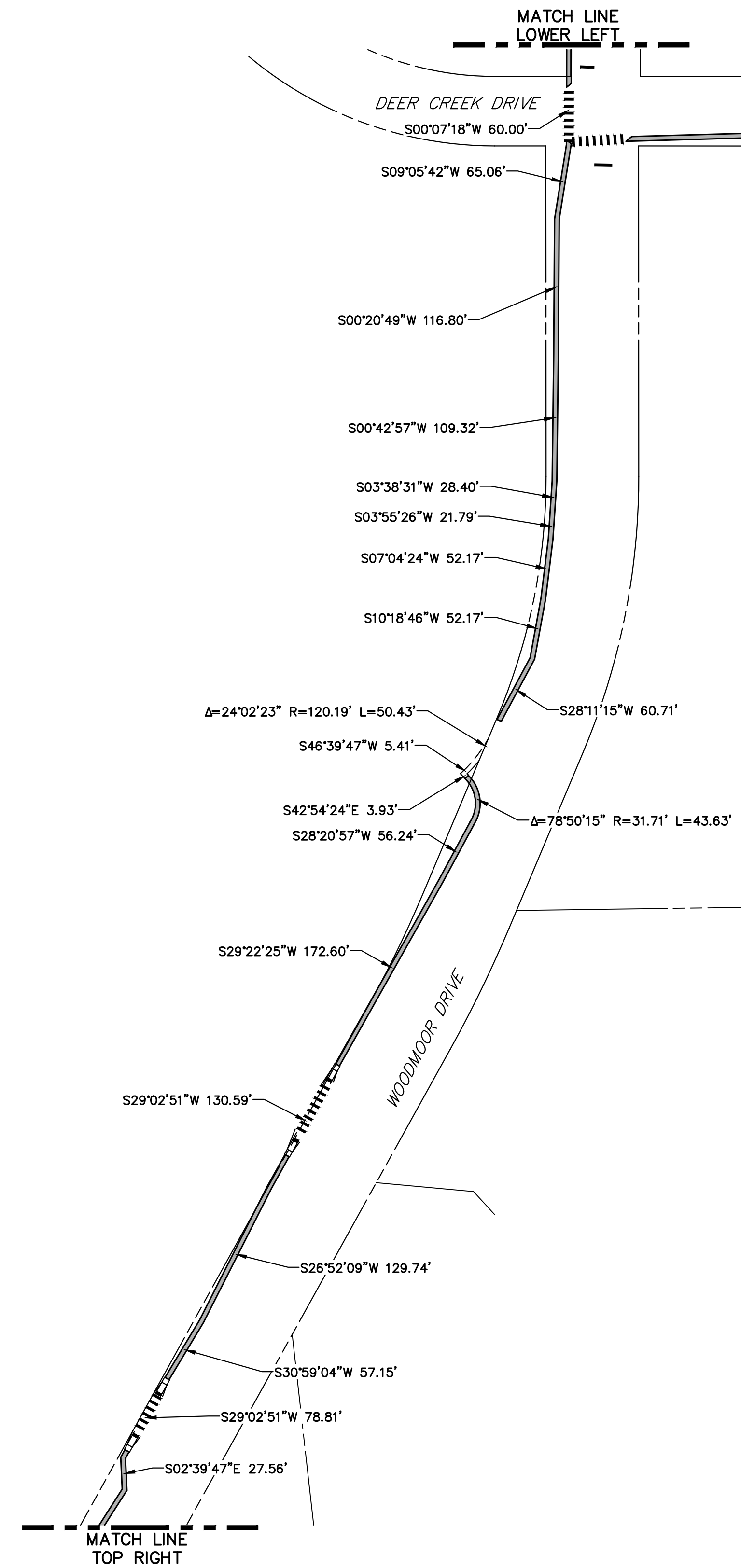
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No Revisions:					M915-009/22585
Revised:	Designer:	GG	Structure		2520300
Void:	Detailer:	GG	Numbers		
	Sheet Subset:		Subset Sheets:	OF	Sheet Number 12 OF 44



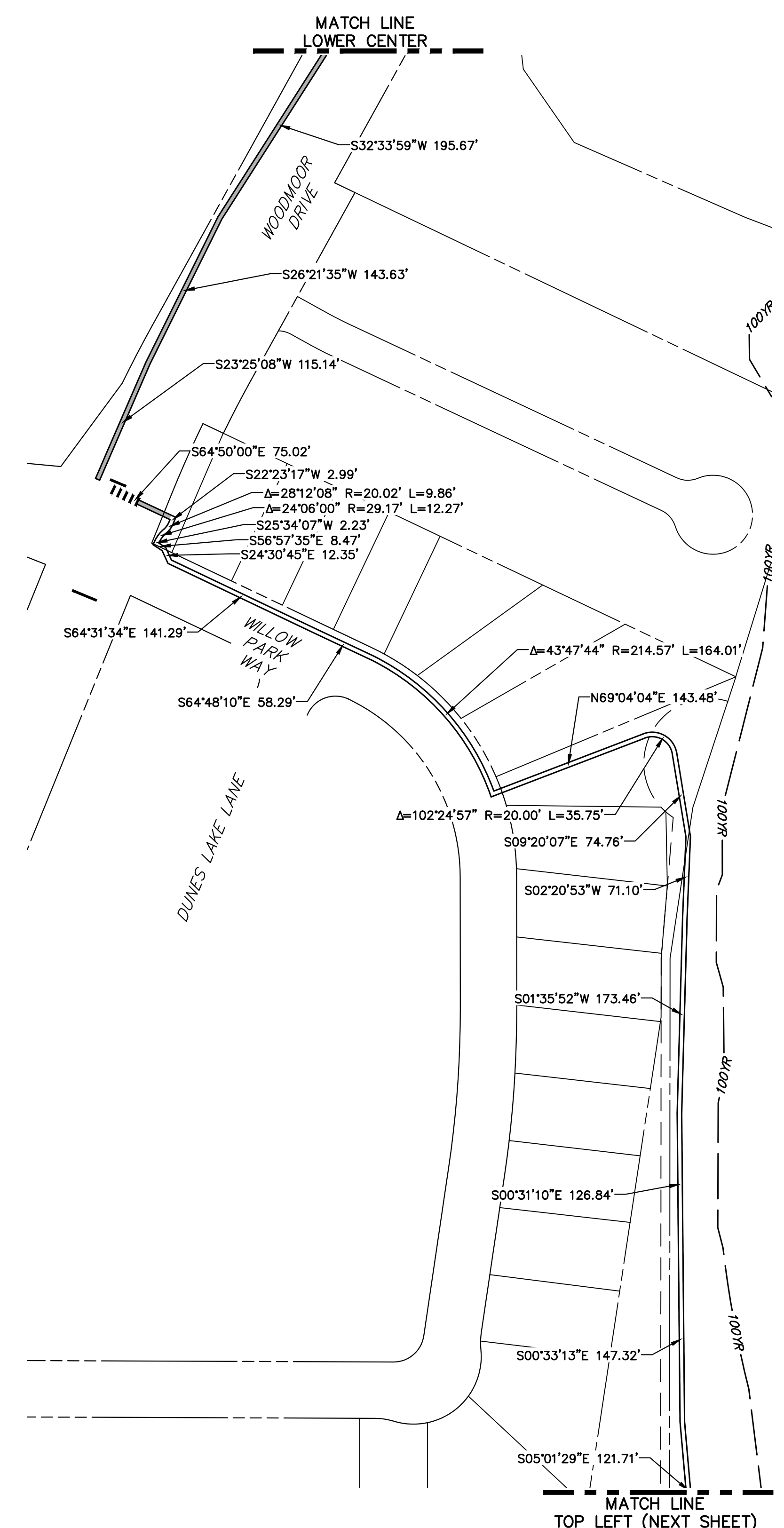
KEY MAP
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WOODMOOR DRIVE

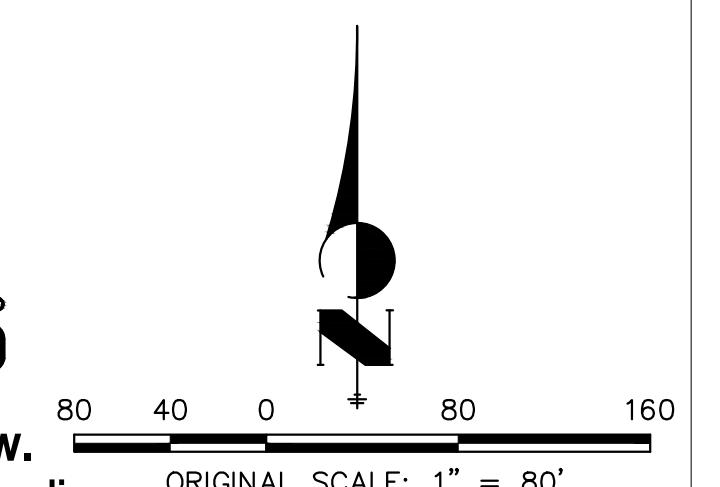


WOODMOOR DRIVE



DUINES LAKE LAINE

WILLOW PARK WAY



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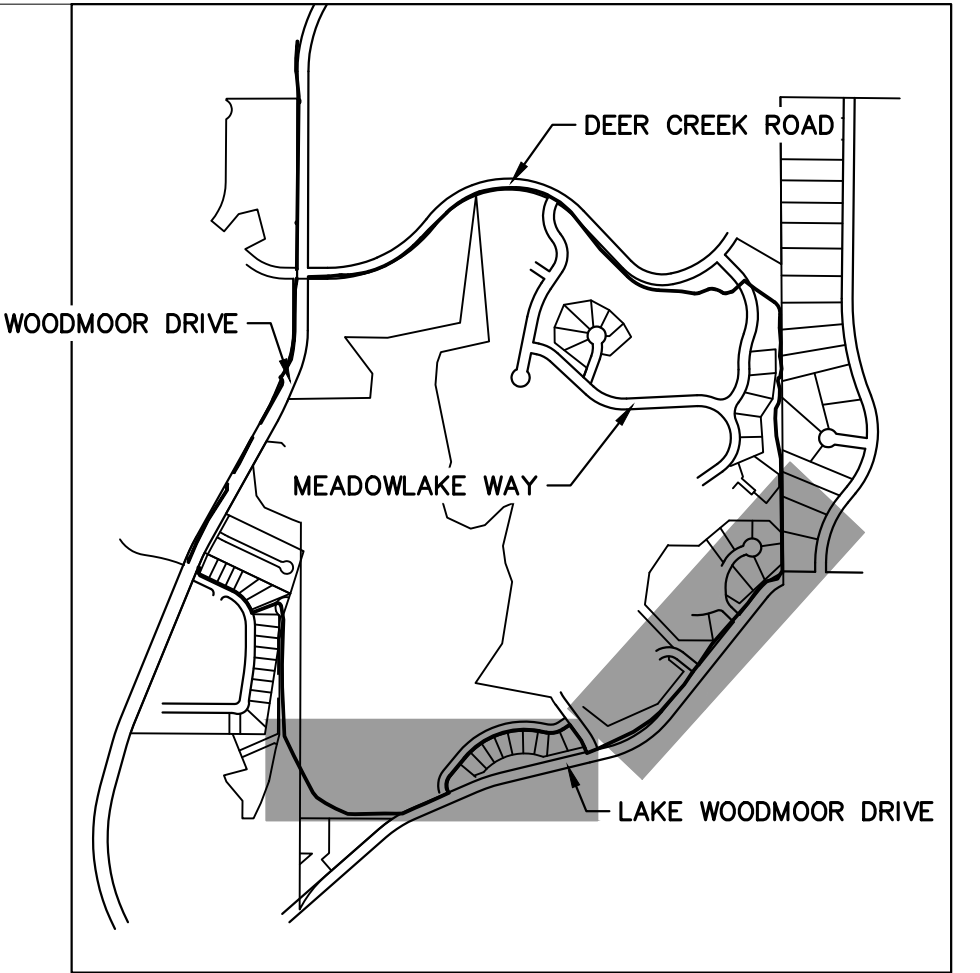
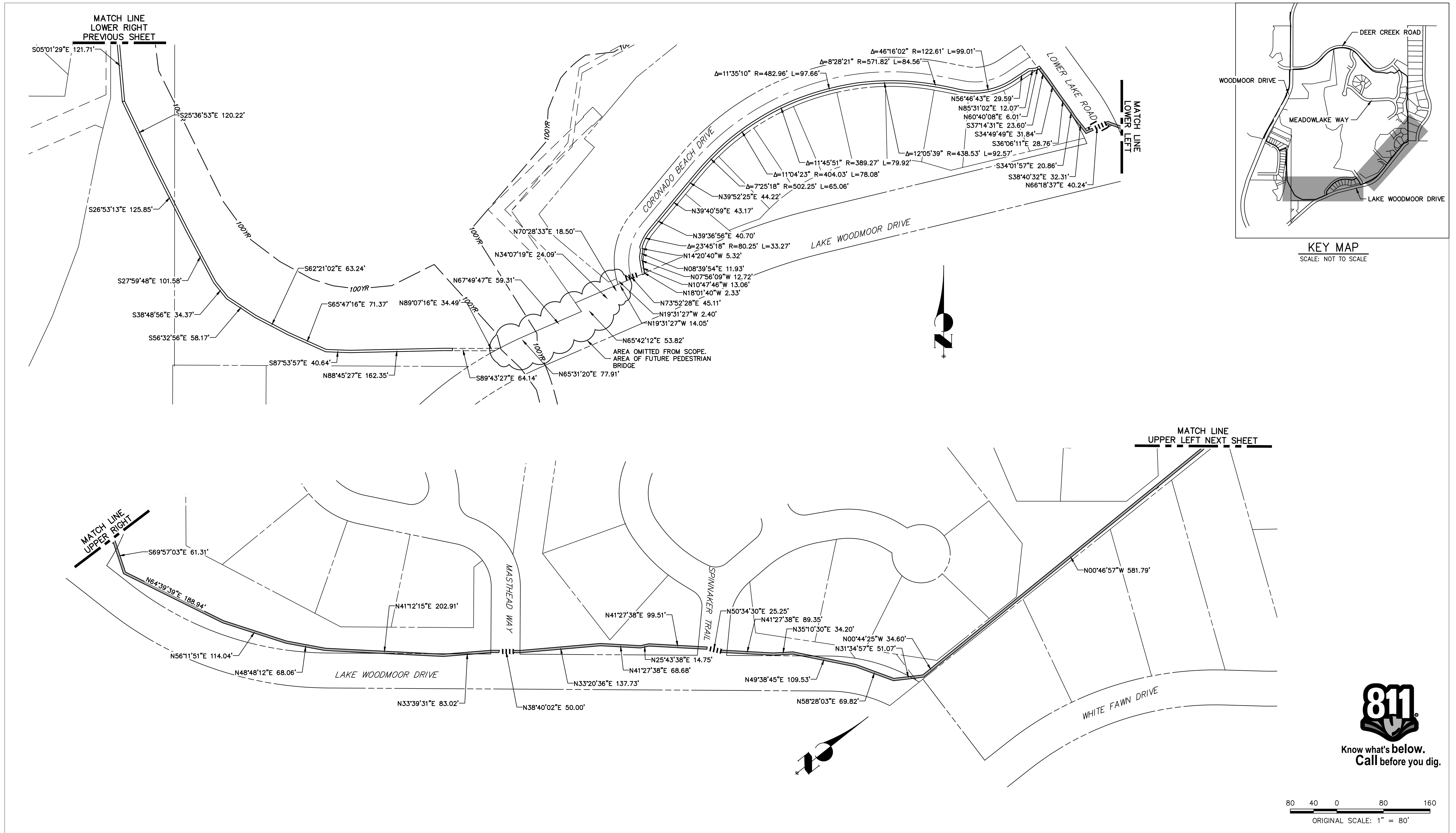
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LEWIS PALMER TRAIL HORIZONTAL CONTROL			
Designer:	GG	Structure Numbers	
Detailer:	GG		
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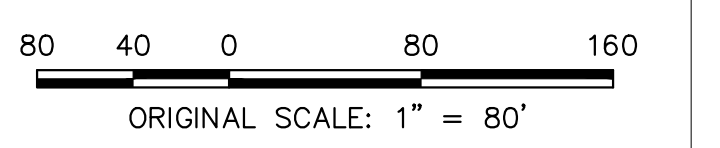
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2520300
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KEY MAP
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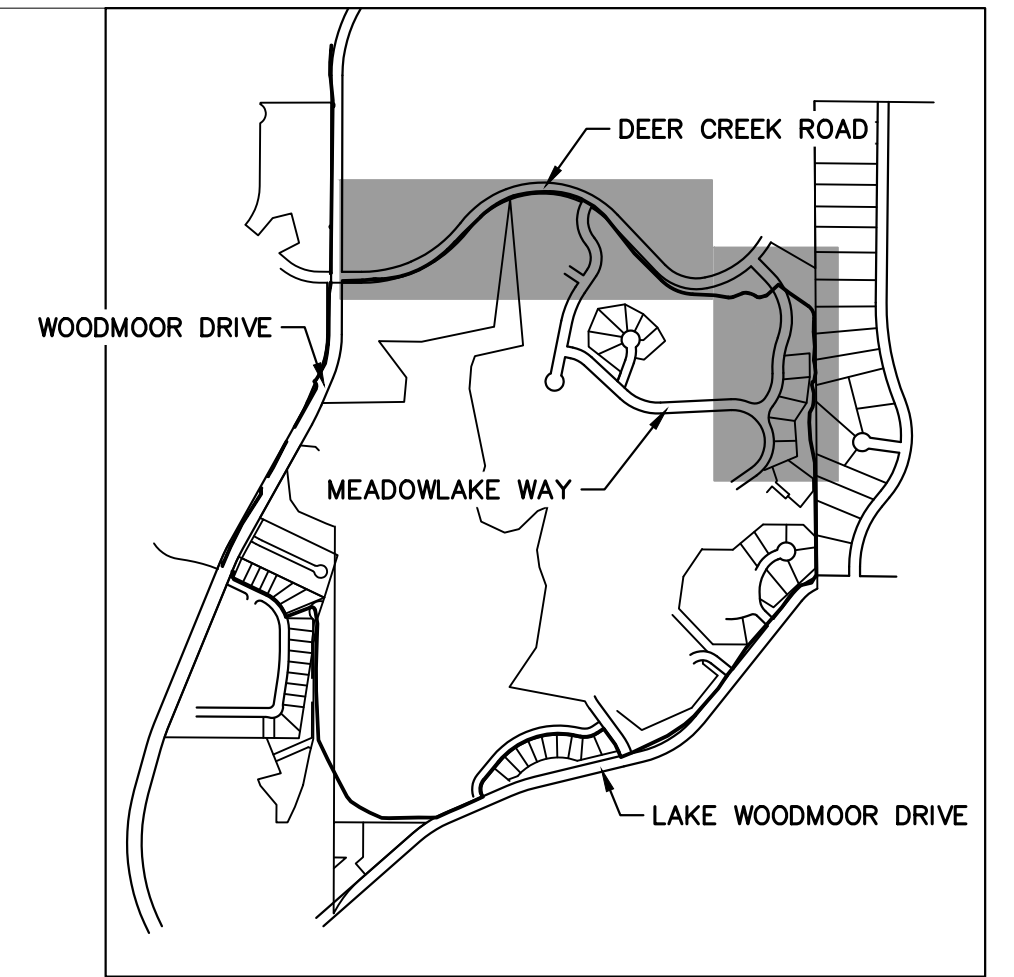
5615 WILL BLVD.
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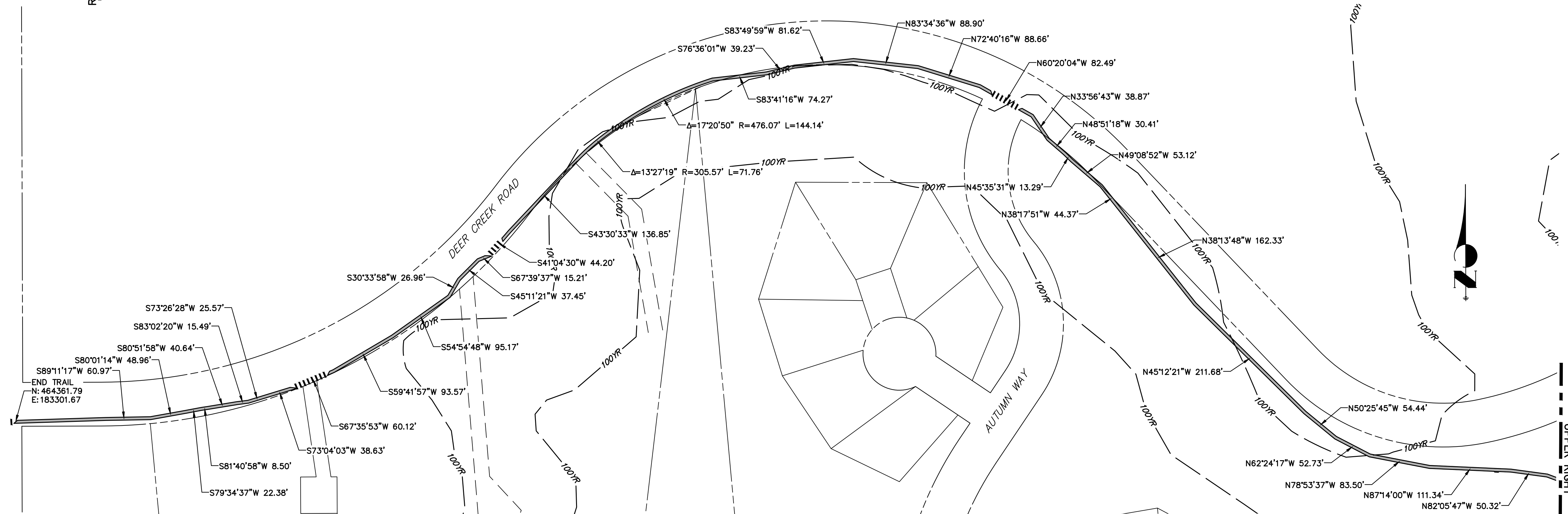
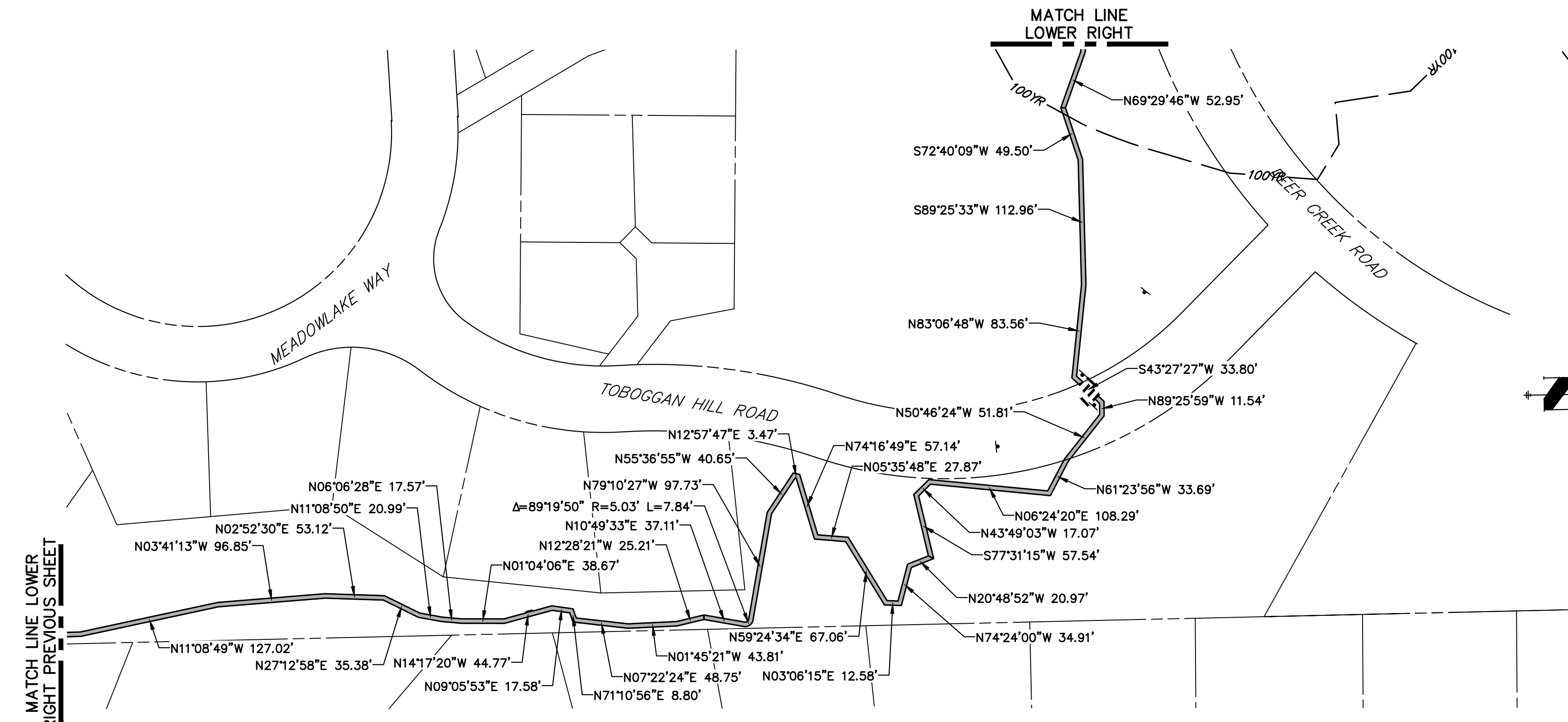
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Detailer:	GG	Numbers	
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Sheet Number 14 OF 44



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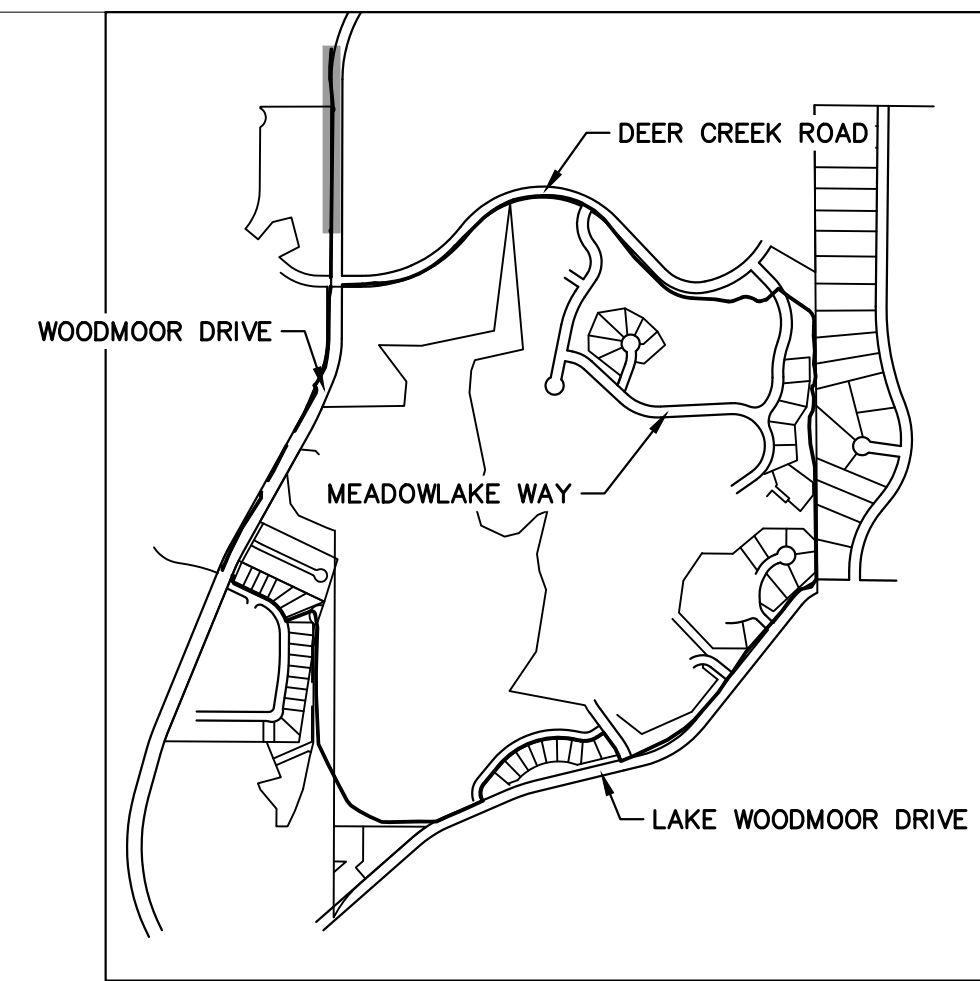
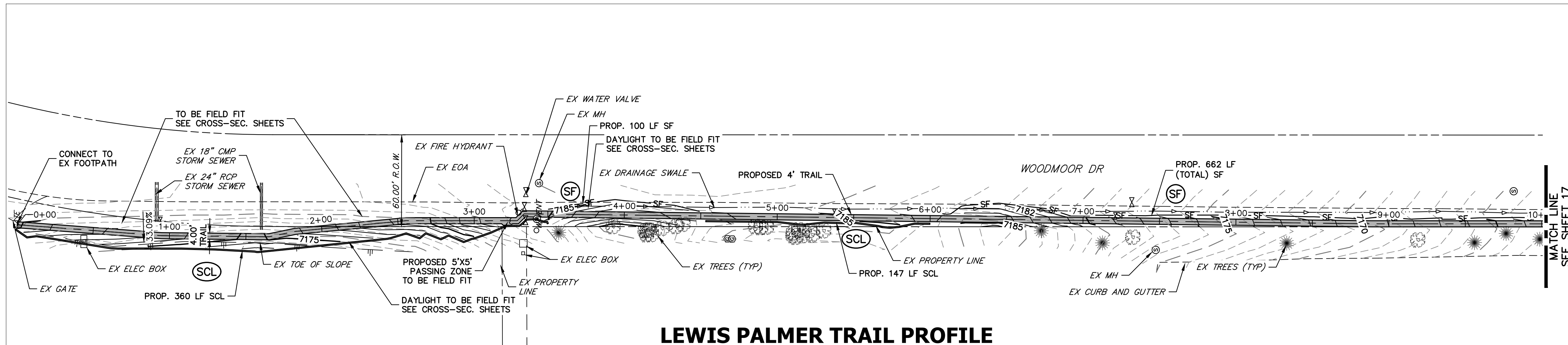
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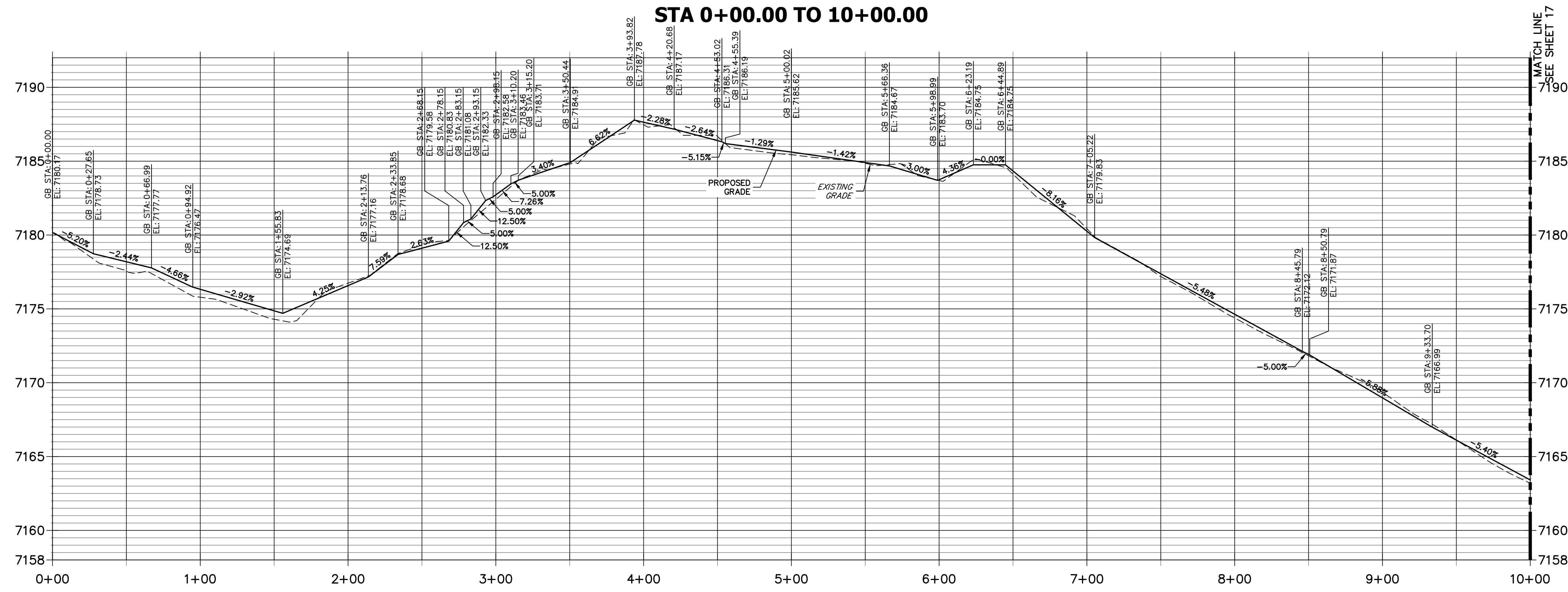
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Project No./Code
M915-009/22585
2520300
Sheet Number 15 OF 44

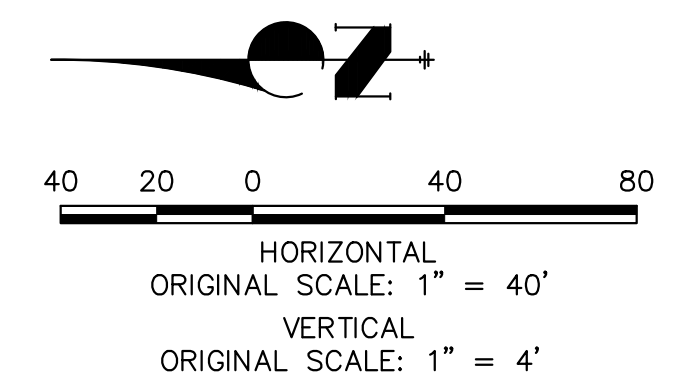


KEY MAP
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LEWIS PALMER TRAIL PROFILE
STA 0+00.00 TO 10+00.00



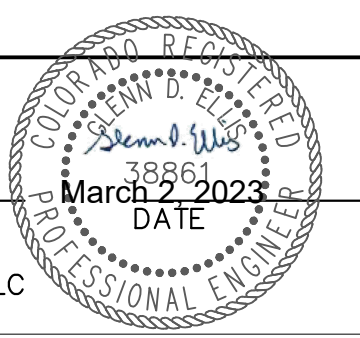
- NOTES:
- THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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.
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COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC

Print Date: 03/01/2023
File Name:
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Unit name Unit leader
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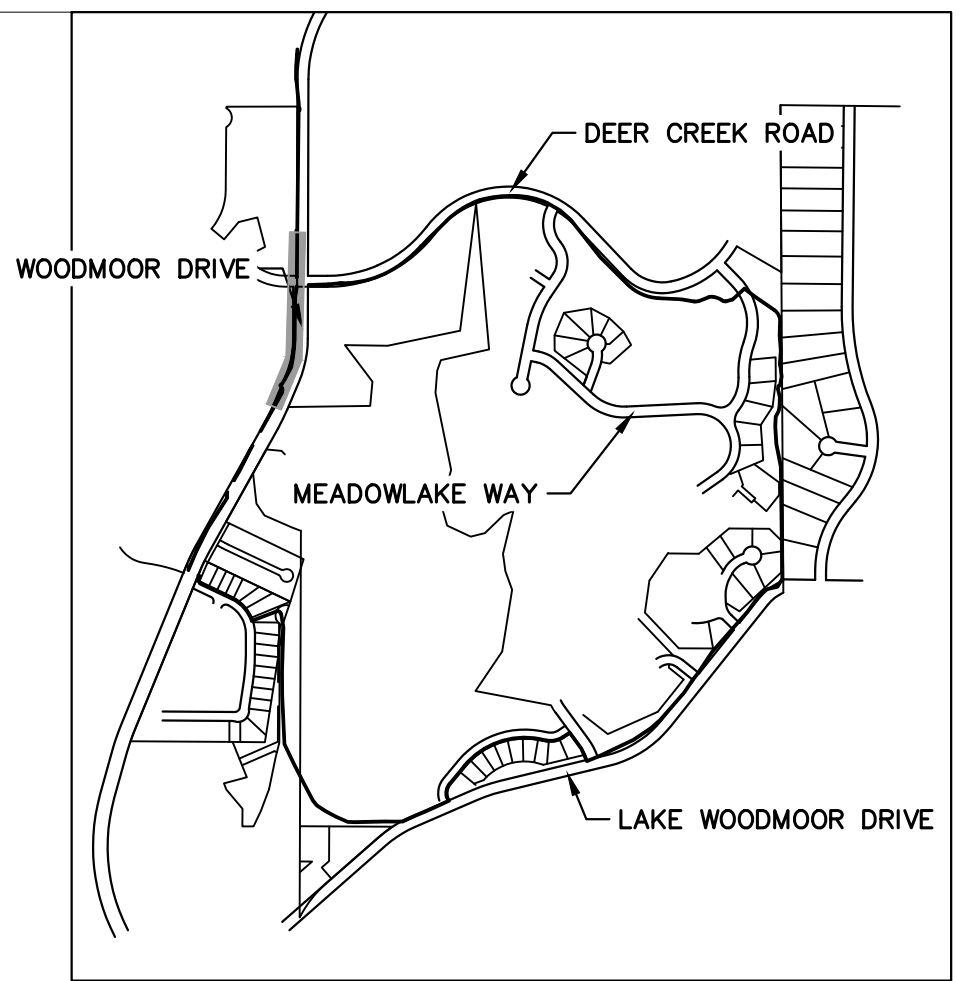
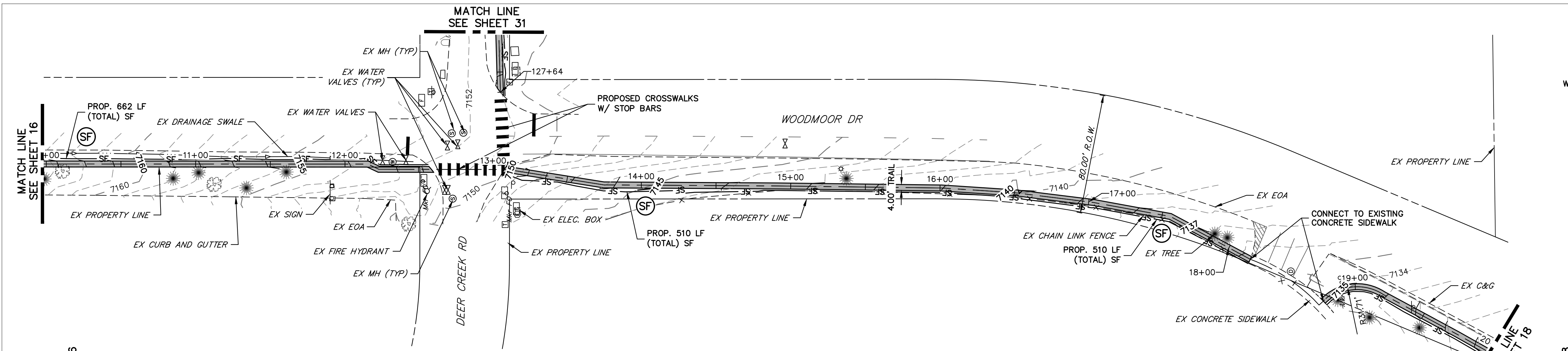
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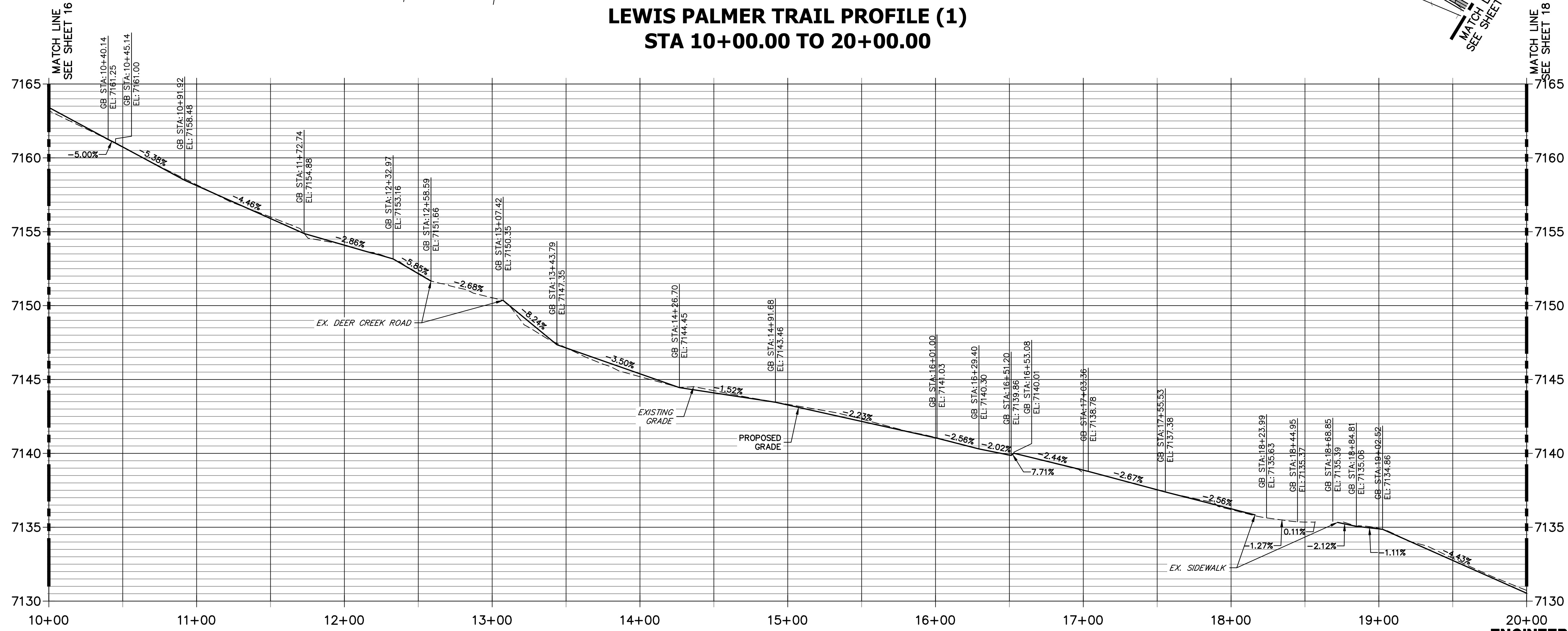
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Sheet Number 16 OF 44

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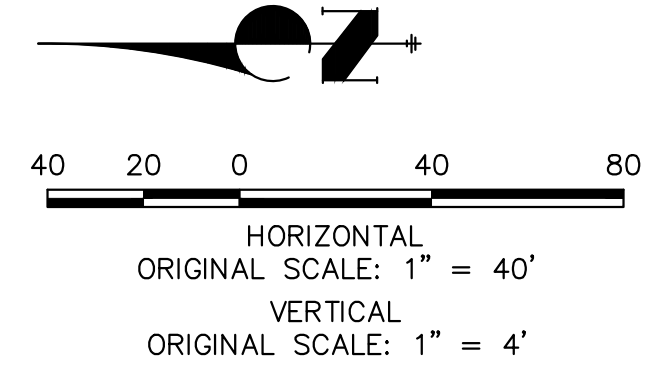


KEY MAP
SCALE: NOT TO SCALE

LEWIS PALMER TRAIL PROFILE (1)
STA 10+00.00 TO 20+00.00



- NOTES:
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COLORADO P.E. 38861
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Print Date: 03/01/2023
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Unit name Unit leader

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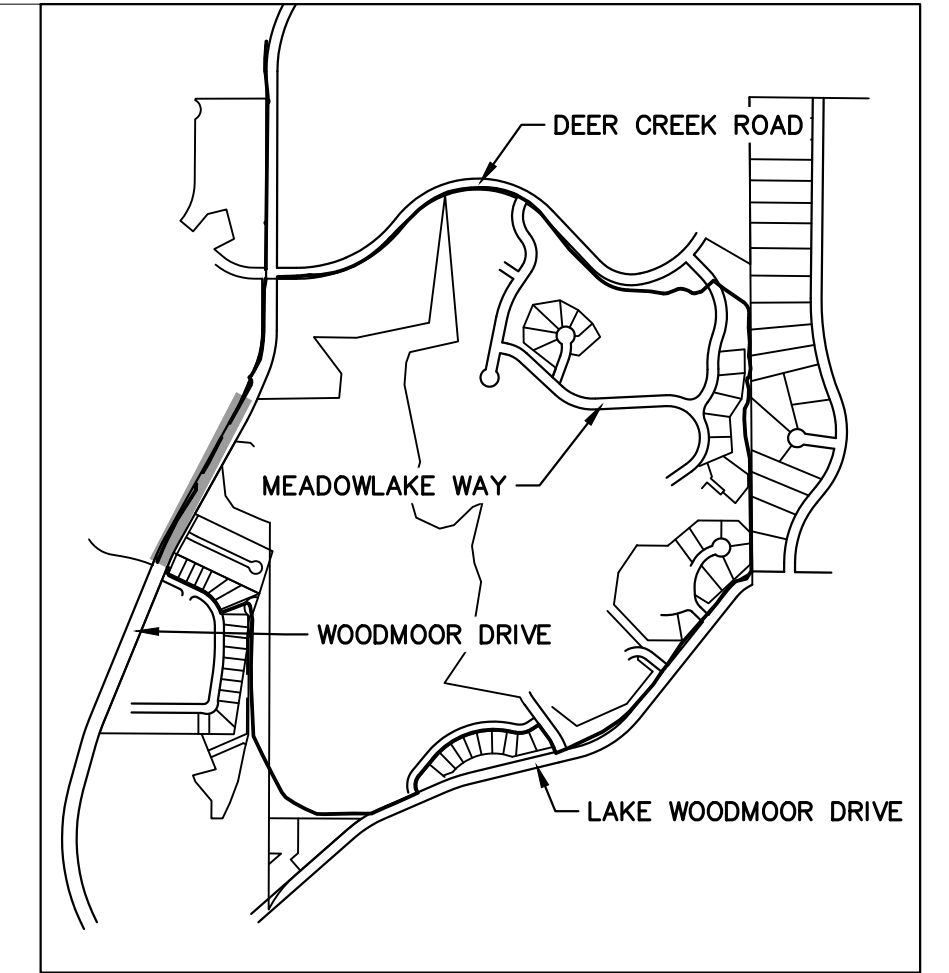
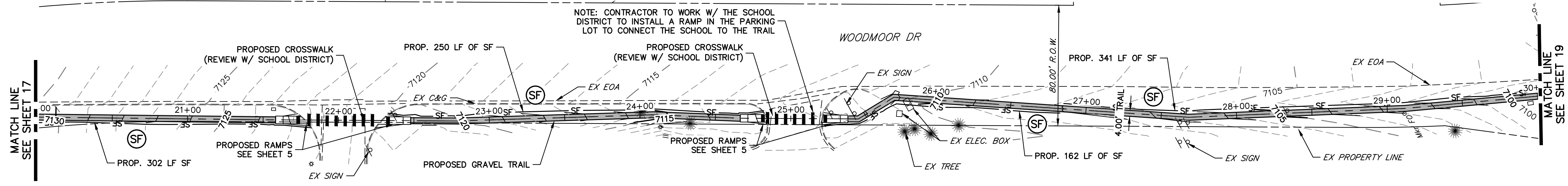
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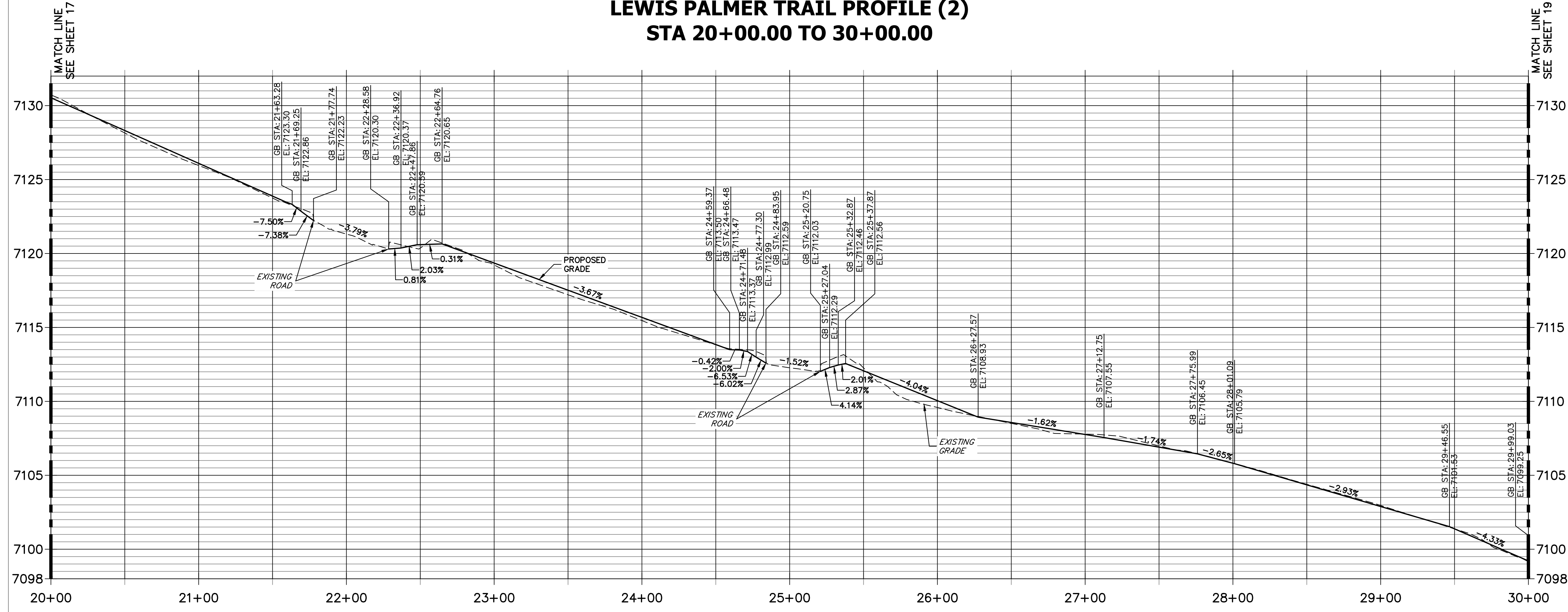
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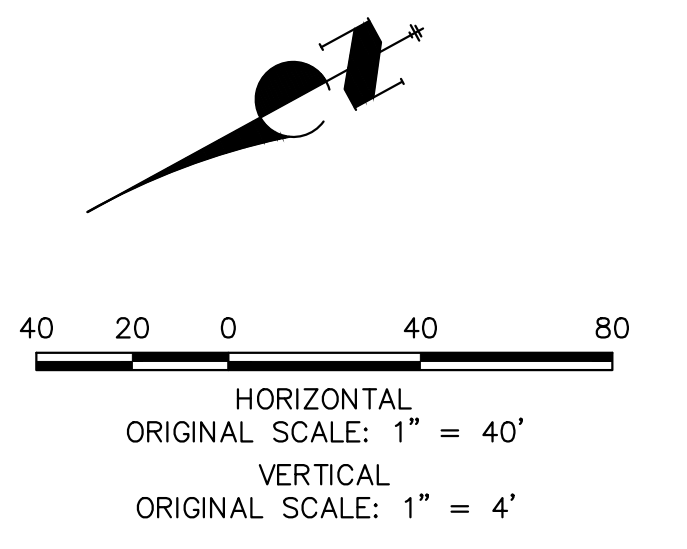
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No Revisions:				M915-009/22585
Revised:	Designer:	GG	Structure Numbers	2520300
Void:	Detailer:	GG	Sheet Subset:	Subset Sheets: OF
				Sheet Number 17 OF 44



LEWIS PALMER TRAIL PROFILE (2)
STA 20+00.00 TO 30+00.00

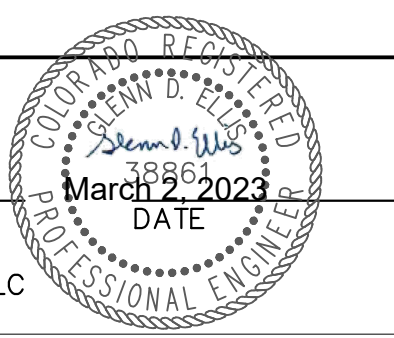


- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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.
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GLENN D. ELLIS, P.E.
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC



Print Date: 03/01/2023
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
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Sheet Revisions		
Date:	Comments	Init.

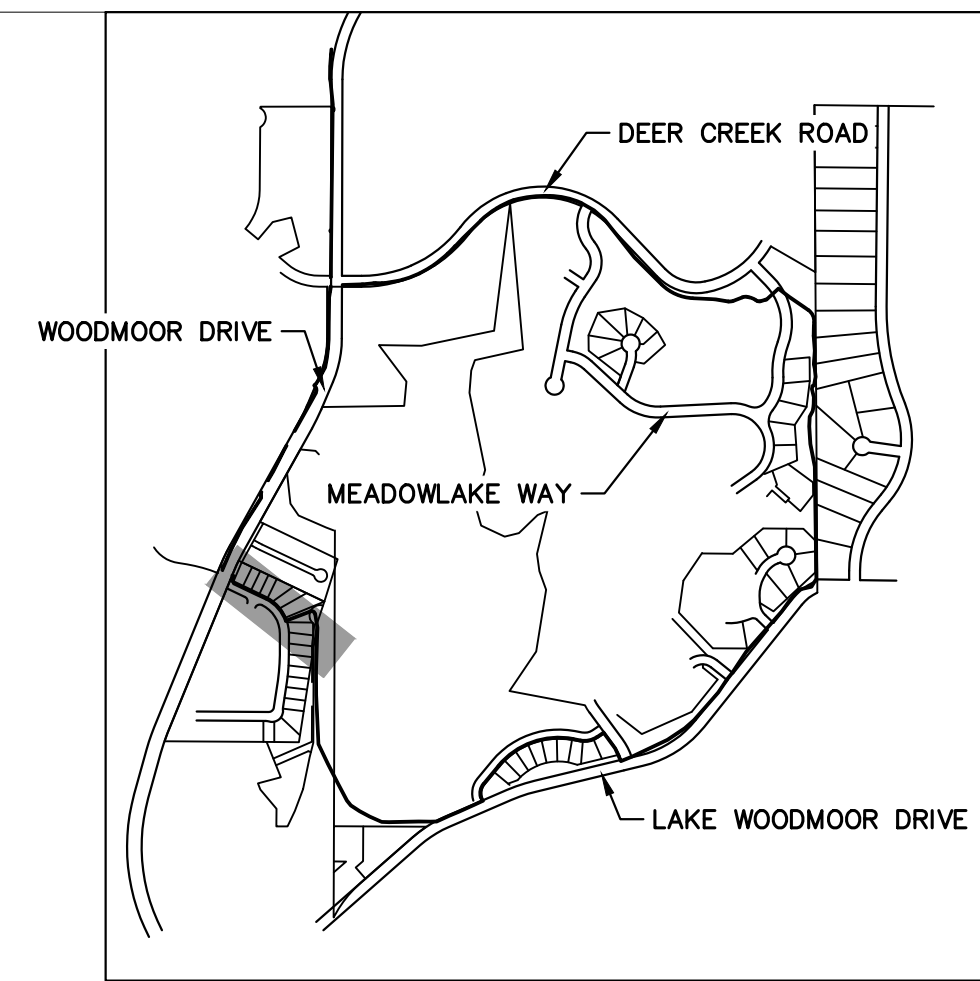
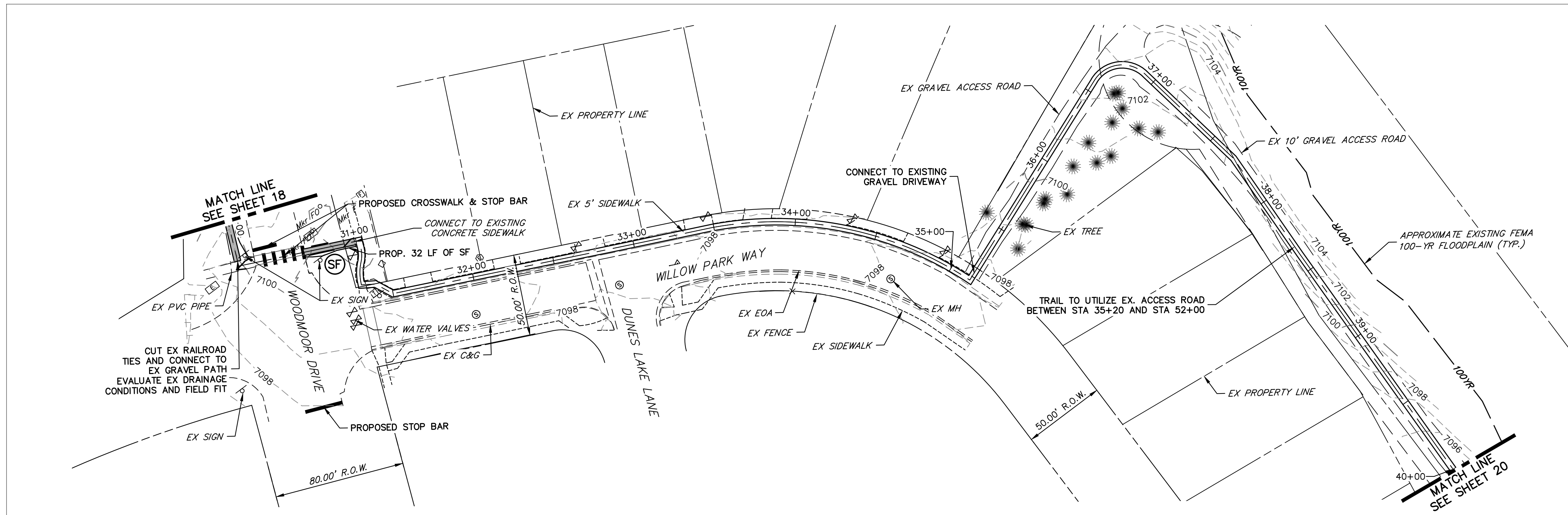
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LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
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Detailer:	GG	Numbers	
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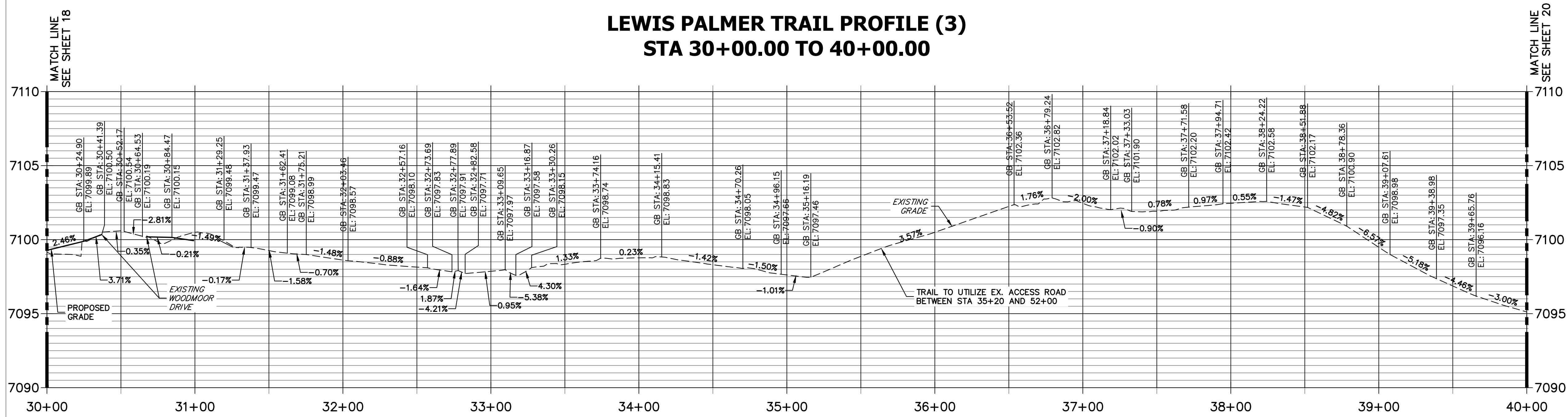
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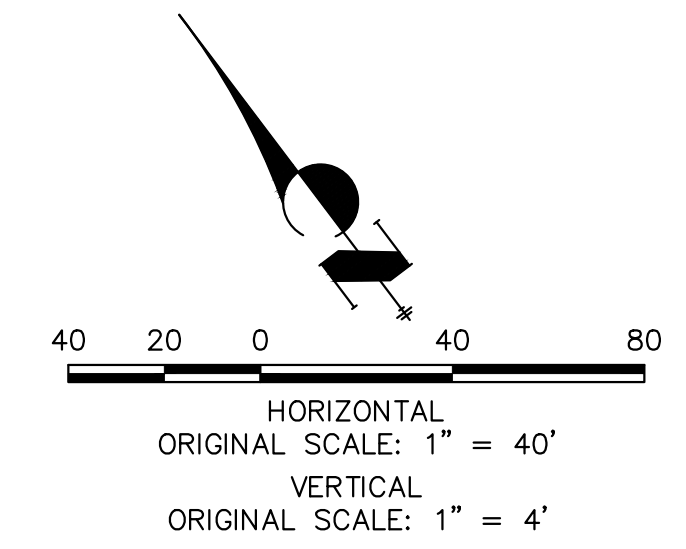


KEY MAP
SCALE: NOT TO SCALE

LEWIS PALMER TRAIL PROFILE (3)
STA 30+00.00 TO 40+00.00



- NOTES:
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PREPARED UNDER MY SUPERVISION

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



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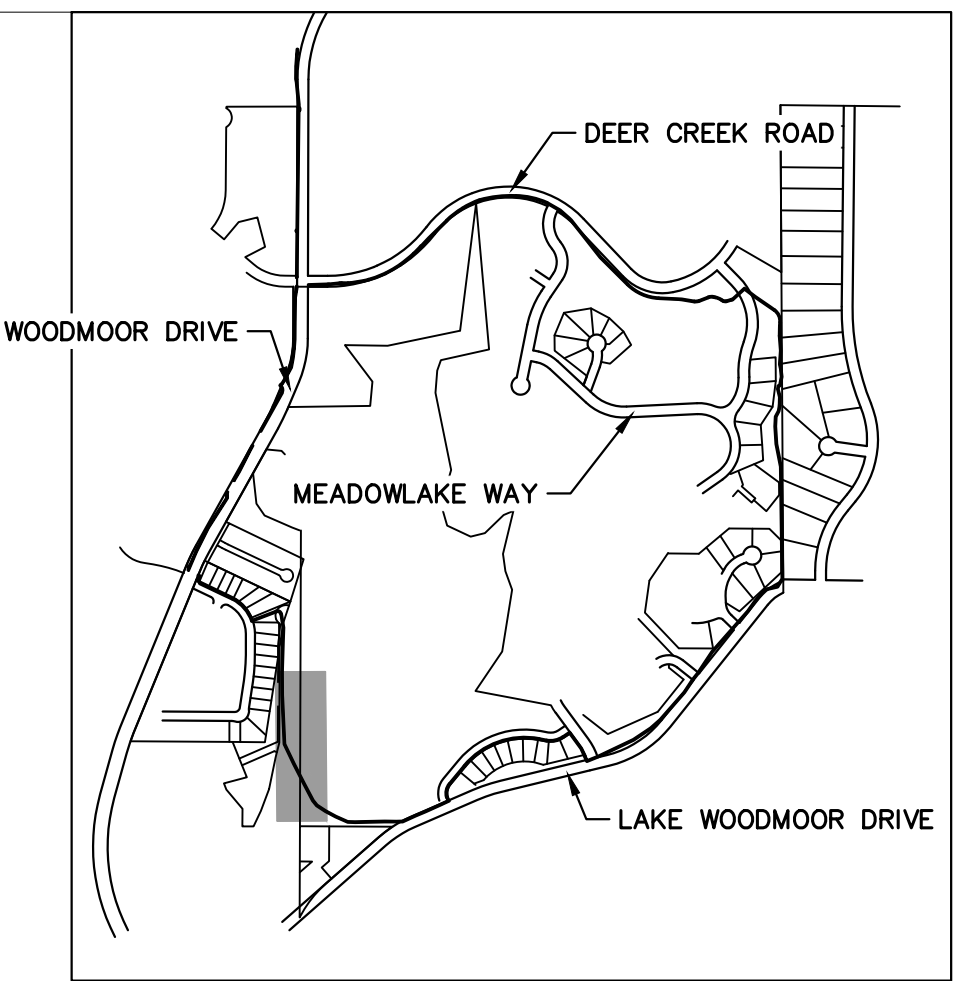
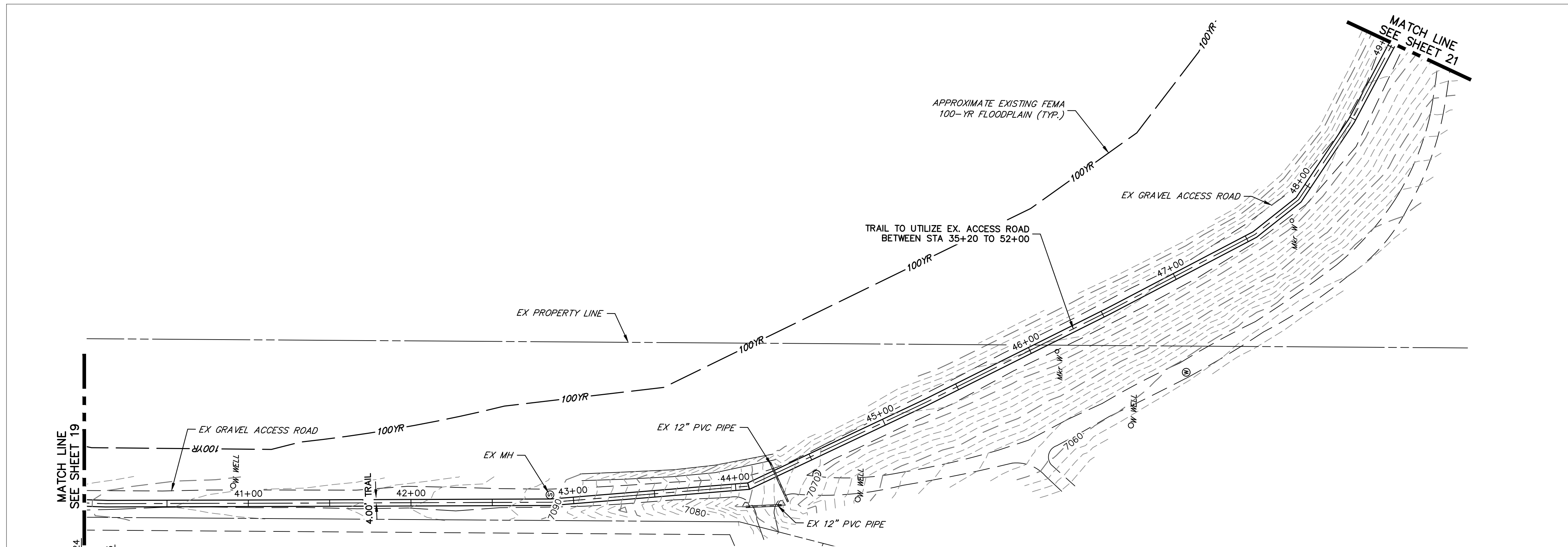
Region 2 Lewis Palmer School District 38

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	2520300
Sheet Number	19 OF 44

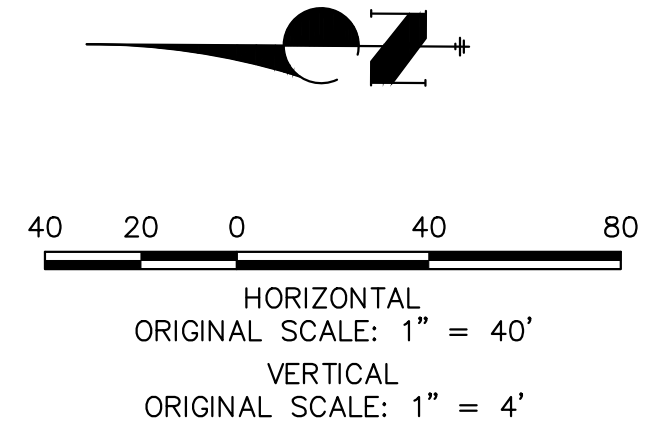
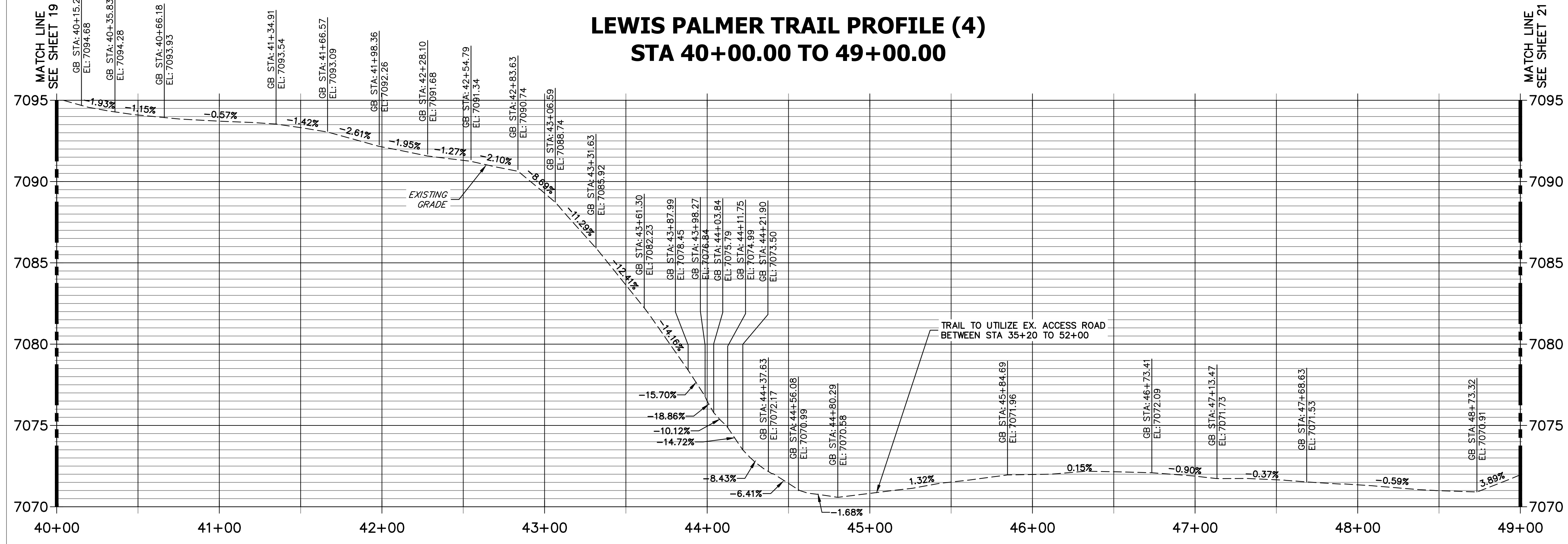
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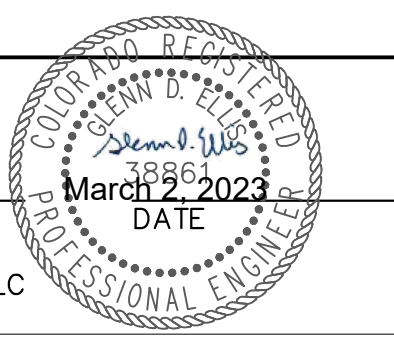
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**LEWIS PALMER TRAIL PROFILE (4)
STA 40+00.00 TO 49+00.00**



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



Print Date: 03/01/2023
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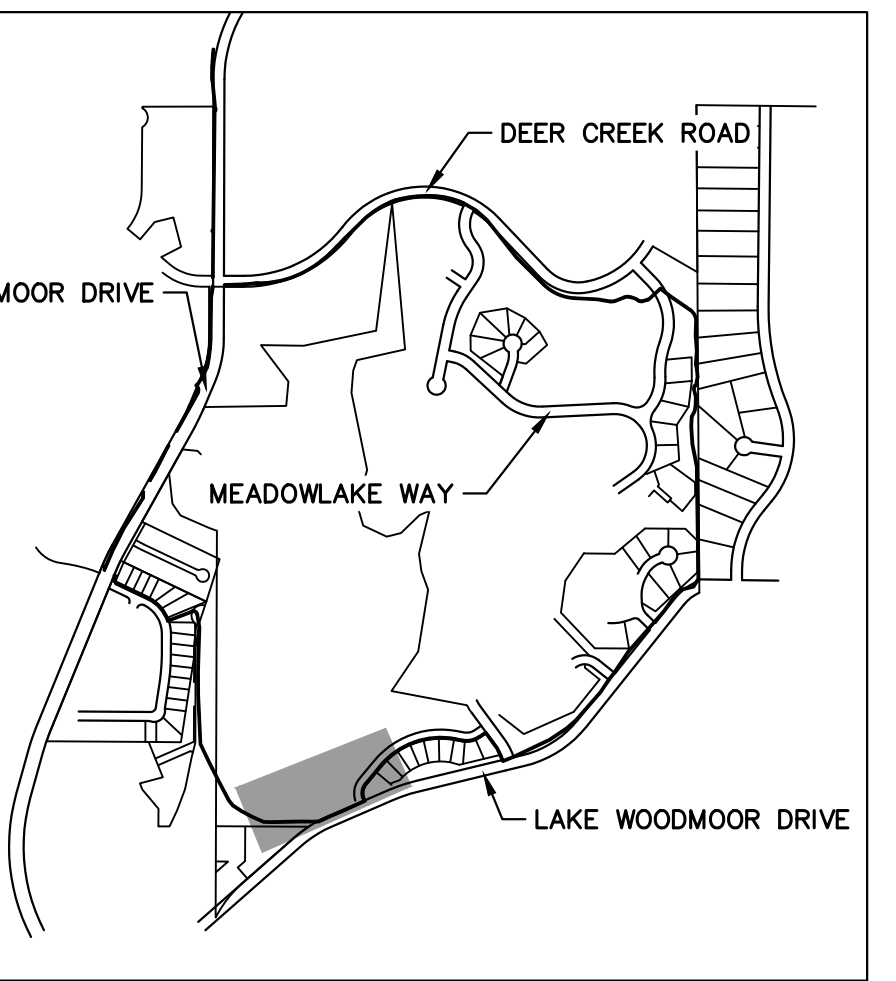
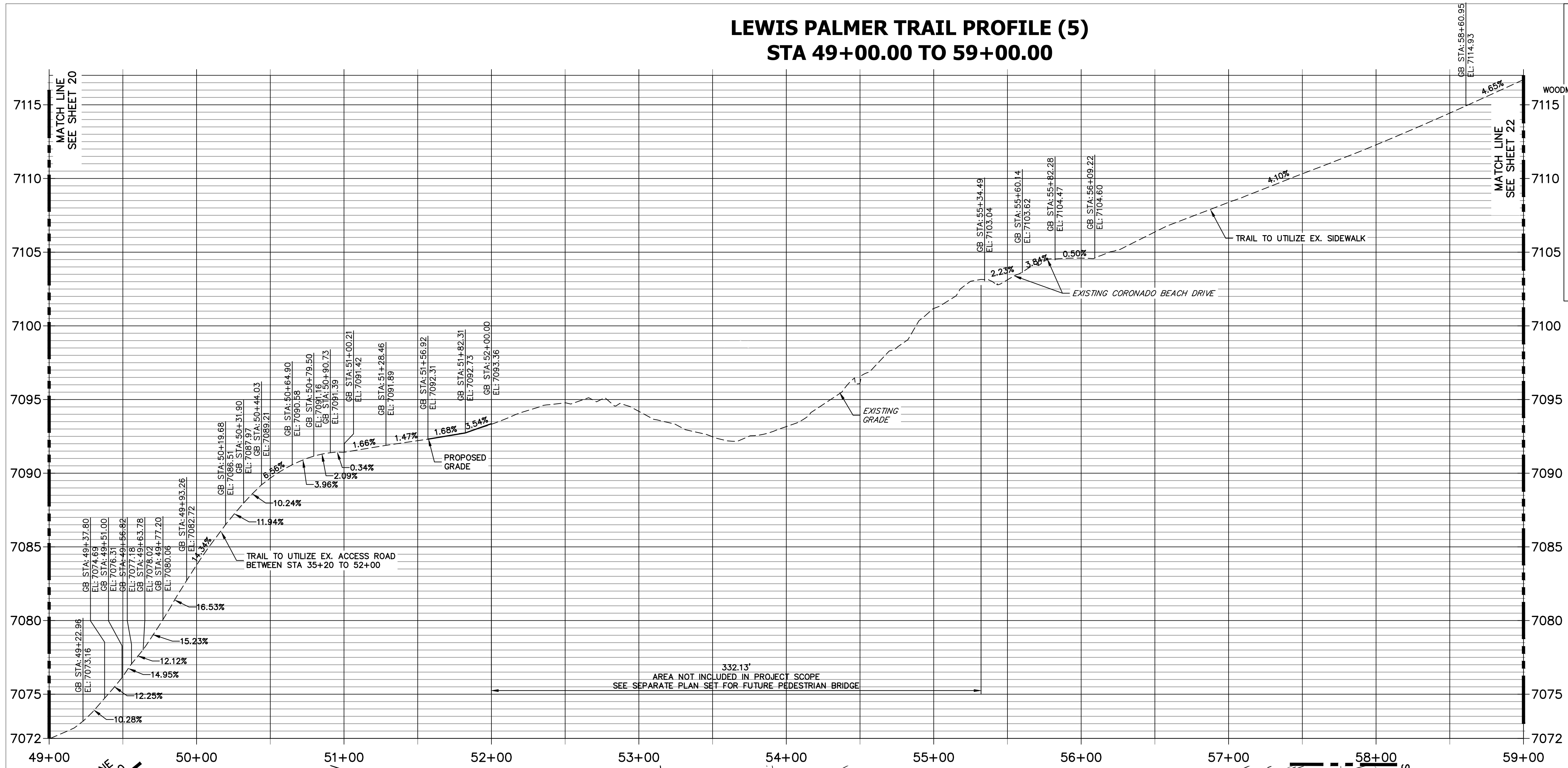
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LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
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Detailer:	GG	Numbers	
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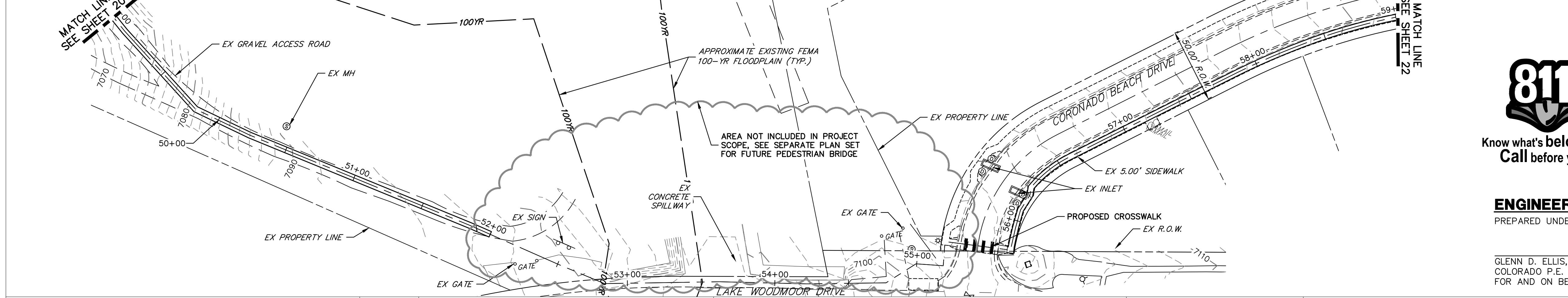
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Sheet Number 20 OF 44	

LEWIS PALMER TRAIL PROFILE (5) STA 49+00.00 TO 59+00.00

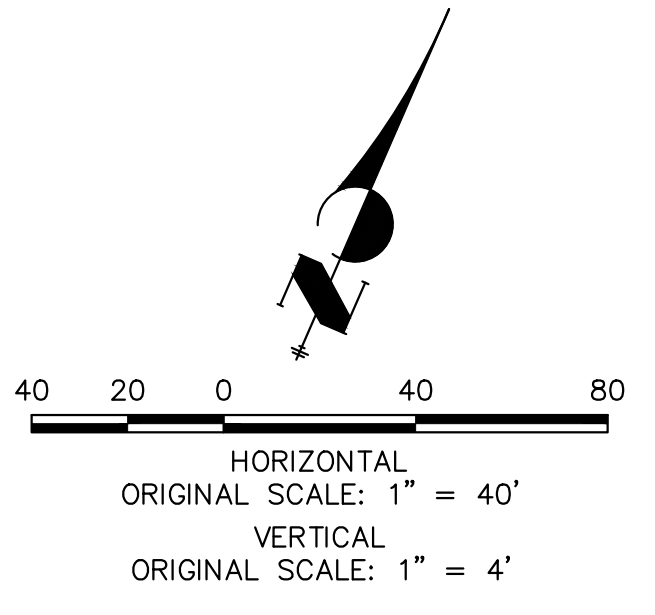


KEY MAP
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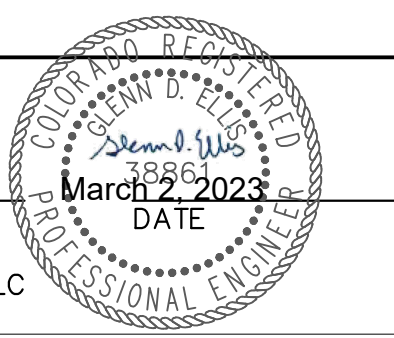


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Unit name Unit leader
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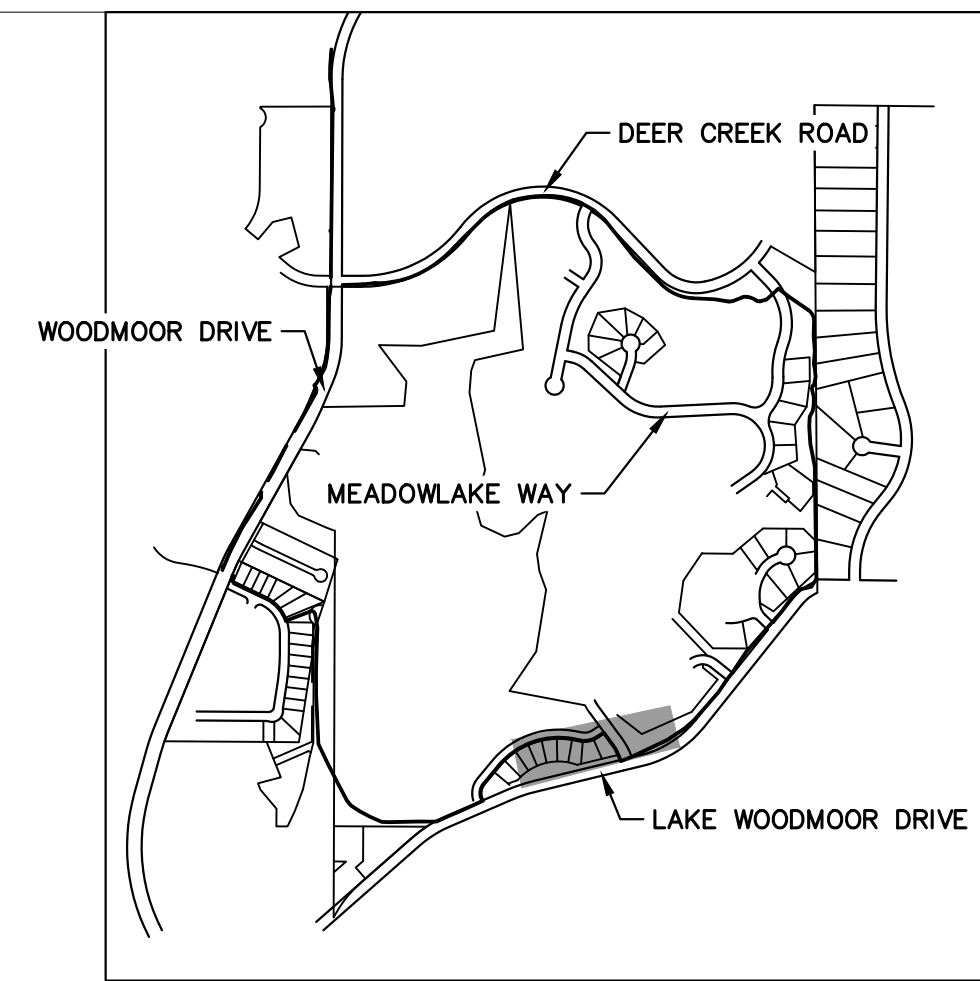
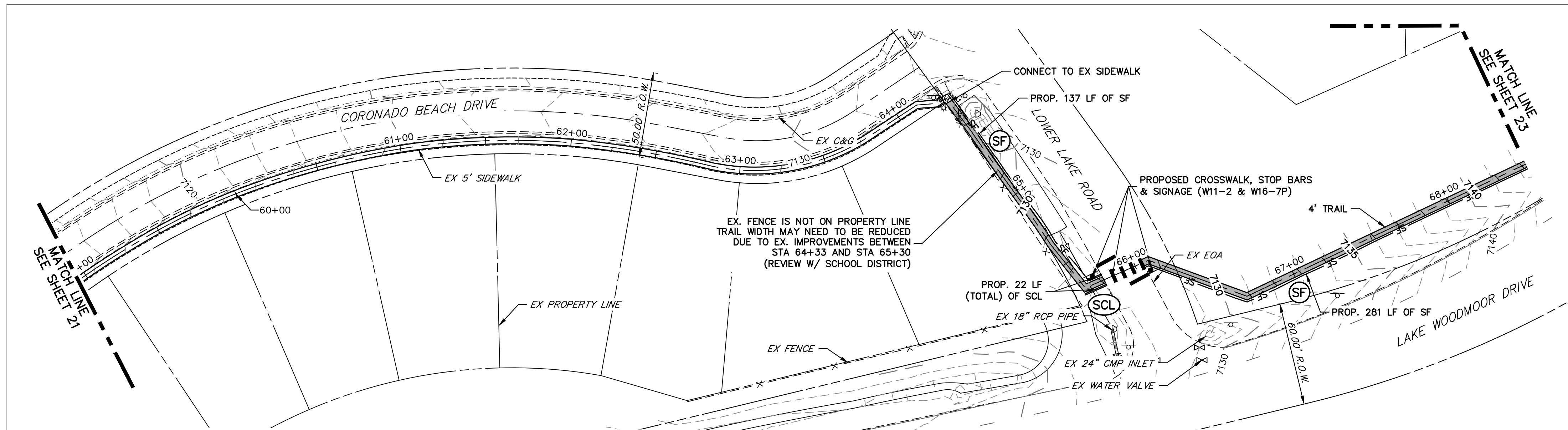
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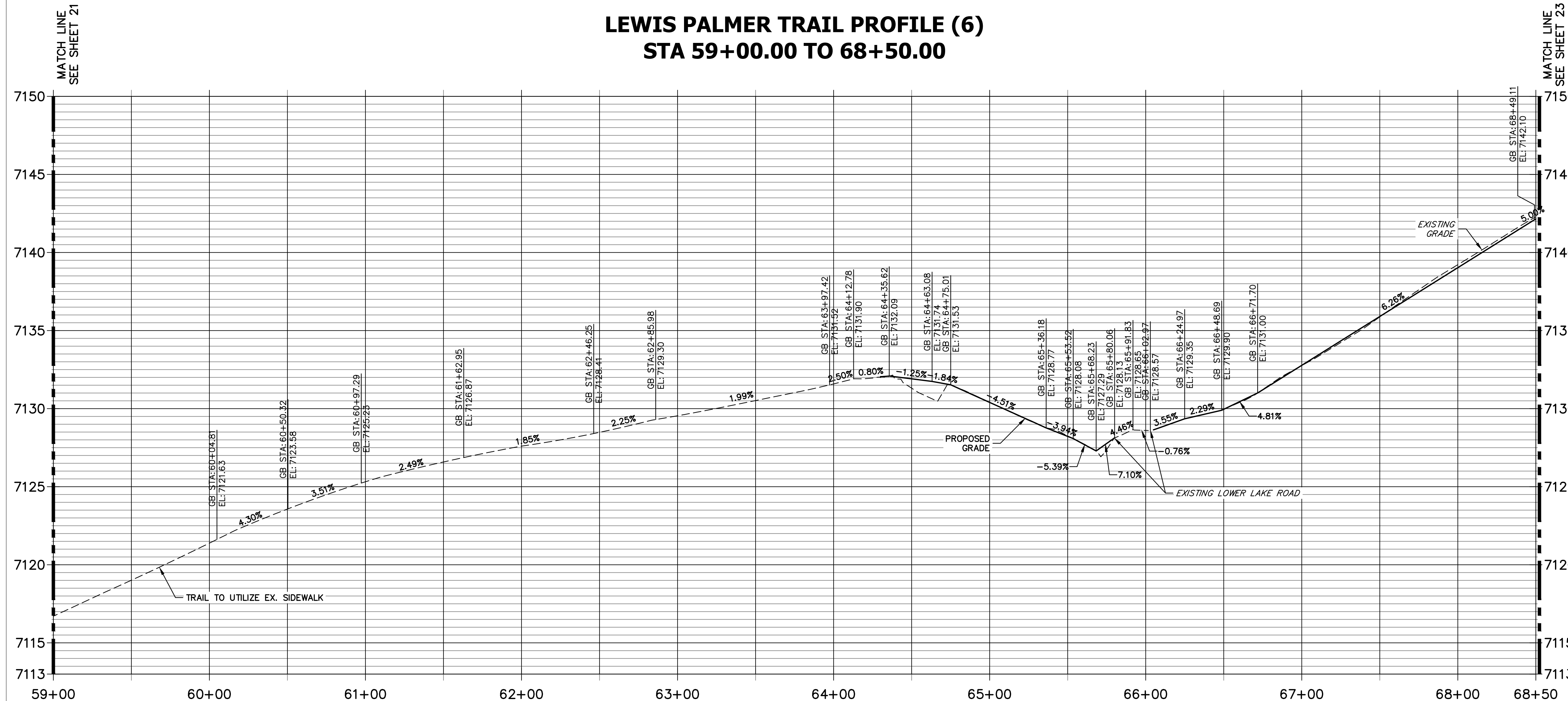
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Detailer:	GG	Subset Sheets:	
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Project No./Code	
M915-009/22585	
2520300	
Sheet Number 21 OF 44	



KEY MAP
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LEWIS PALMER TRAIL PROFILE (6)
STA 59+00.00 TO 68+50.00



- NOTES:**
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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: 03/01/2023
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
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

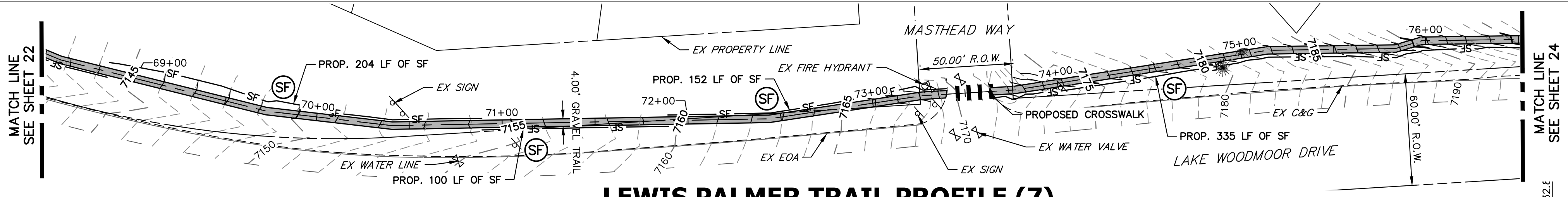
Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
CDOT
Region 2
5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750
LP
Lewis Palmer School District 38

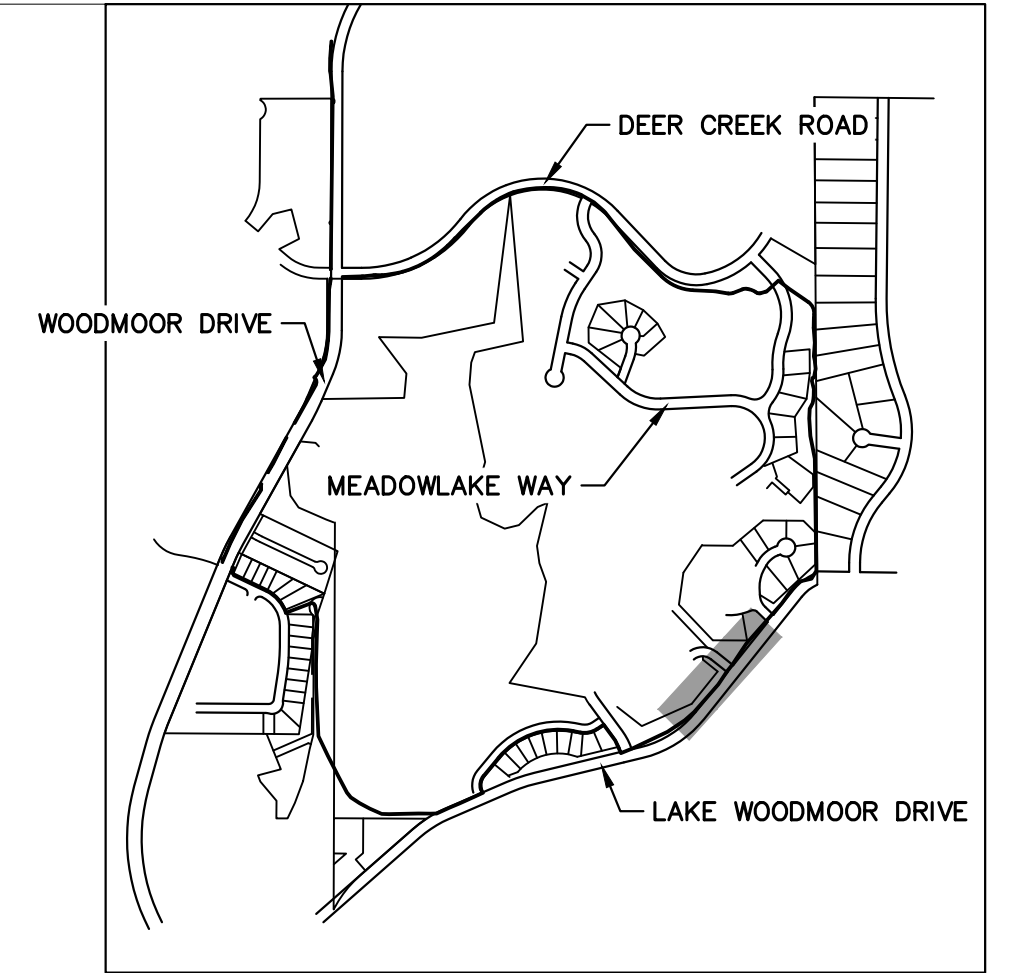
As Constructed
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Revised:
Void:

LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	22 OF 44

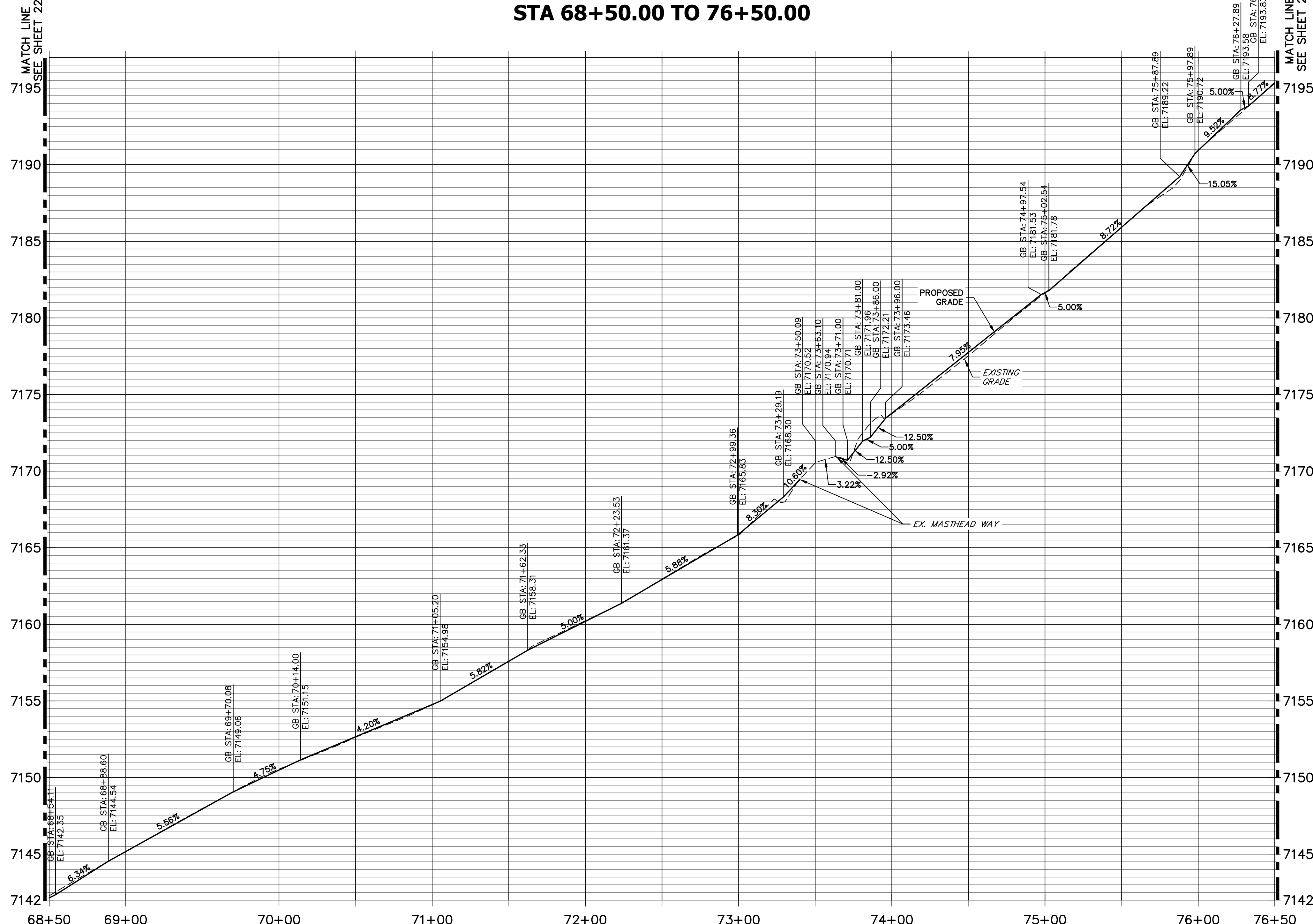


LEWIS PALMER TRAIL PROFILE (7)
STA 68+50.00 TO 76+50.00



KEY MAP
 SCALE: NOT TO SCALE

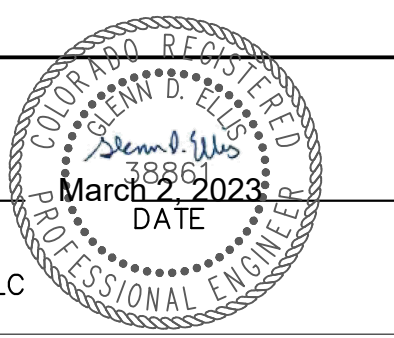
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HORIZONTAL ORIGINAL SCALE: 1" = 40'
 VERTICAL ORIGINAL SCALE: 1" = 4'

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: 03/01/2023
 File Name:
 Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
 Unit name Unit leader

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Sheet Revisions		
Date:	Comments	Init.

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 Pueblo, CO 81008
 Phone: 719-546-5750

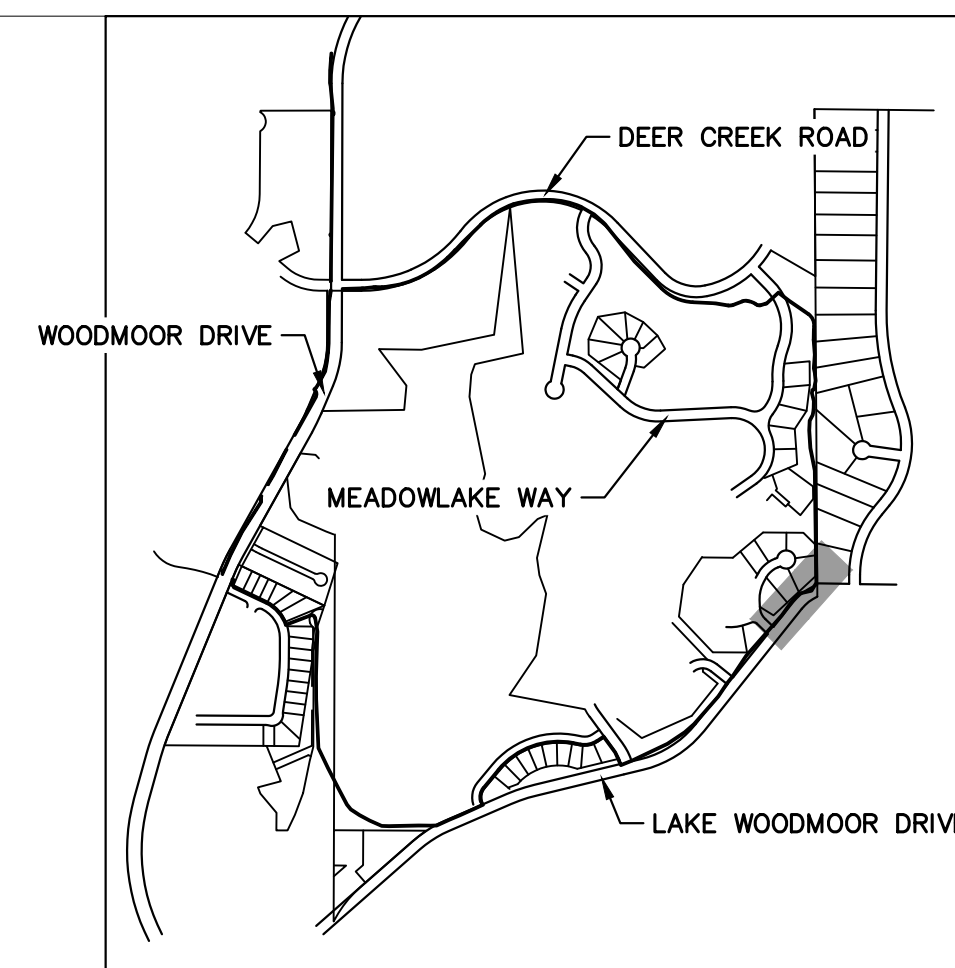
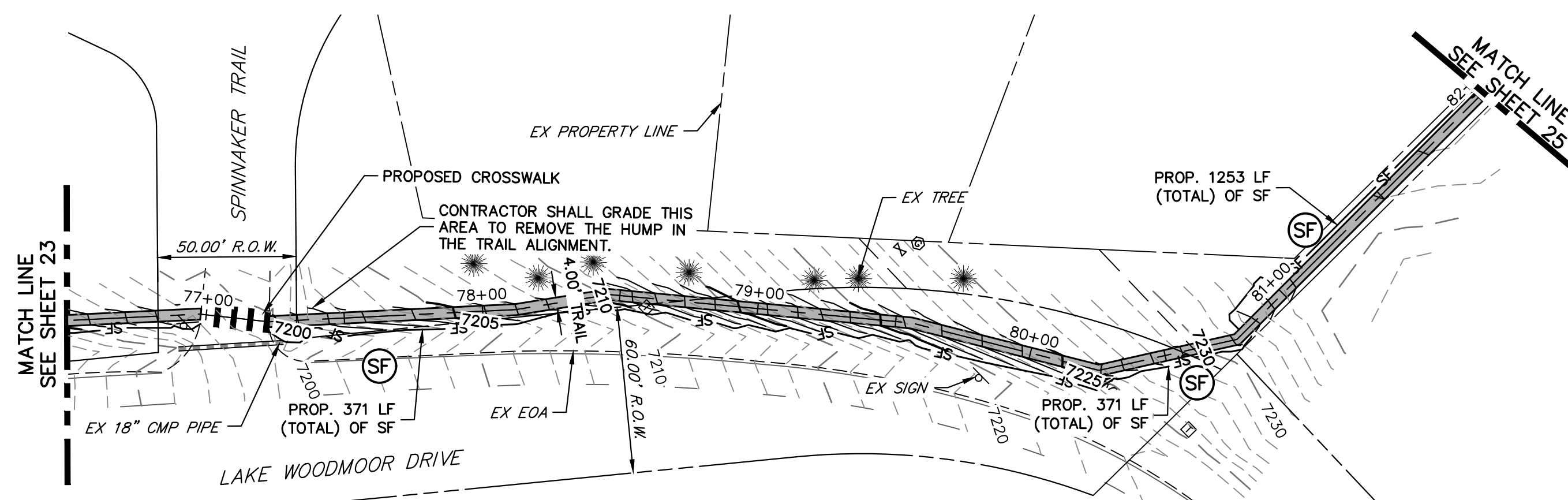
Lewis Palmer School District 38
 Region 2

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No Revisions:
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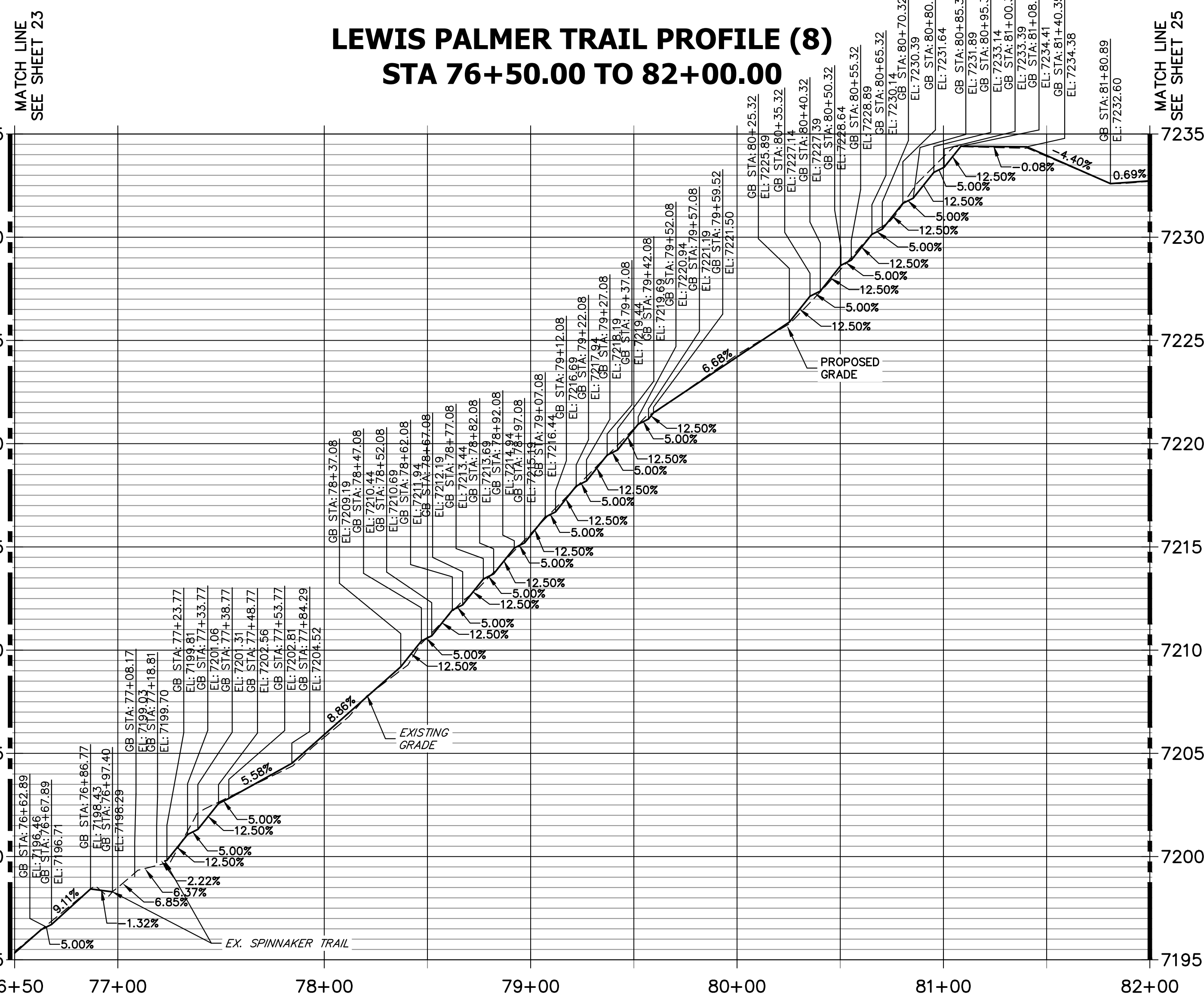
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Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	23 OF 44

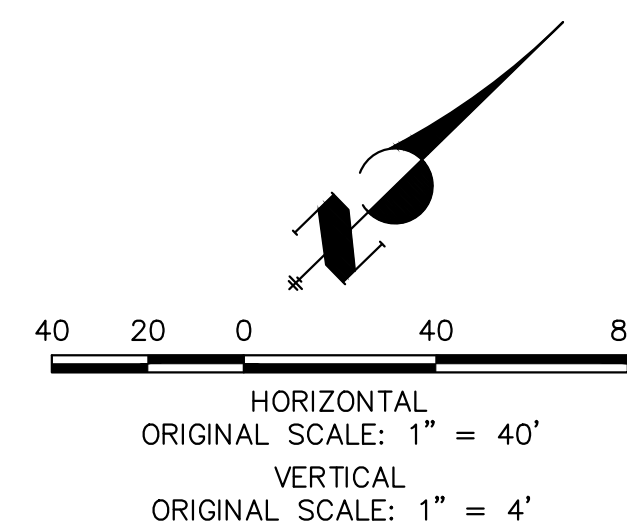
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KEY MAP
SCALE: NOT TO SCALE



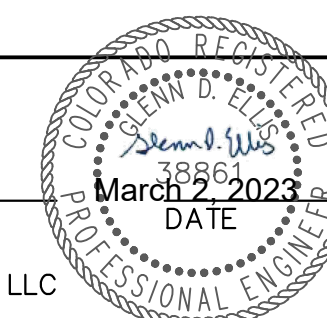
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ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION



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

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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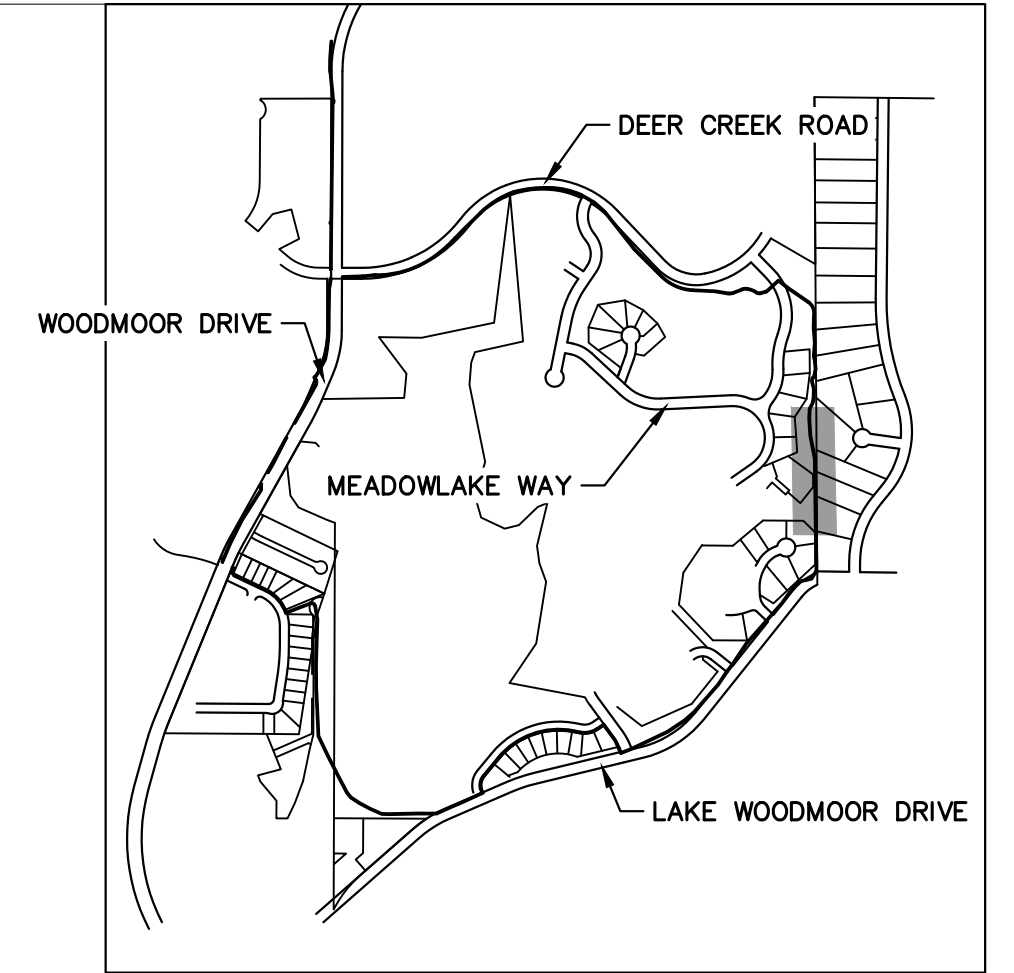
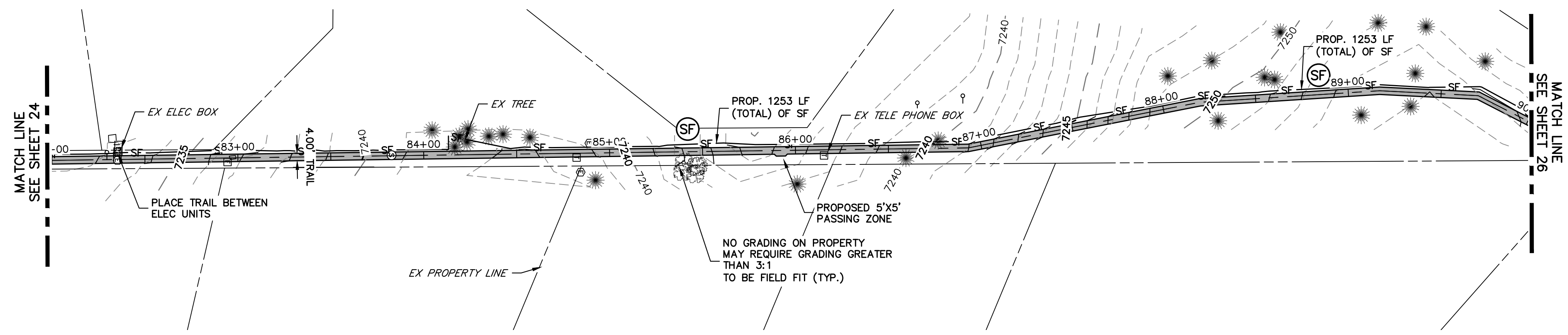
Lewis Palmer School District 38

As Constructed
No Revisions:
Revised:
Void:

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Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

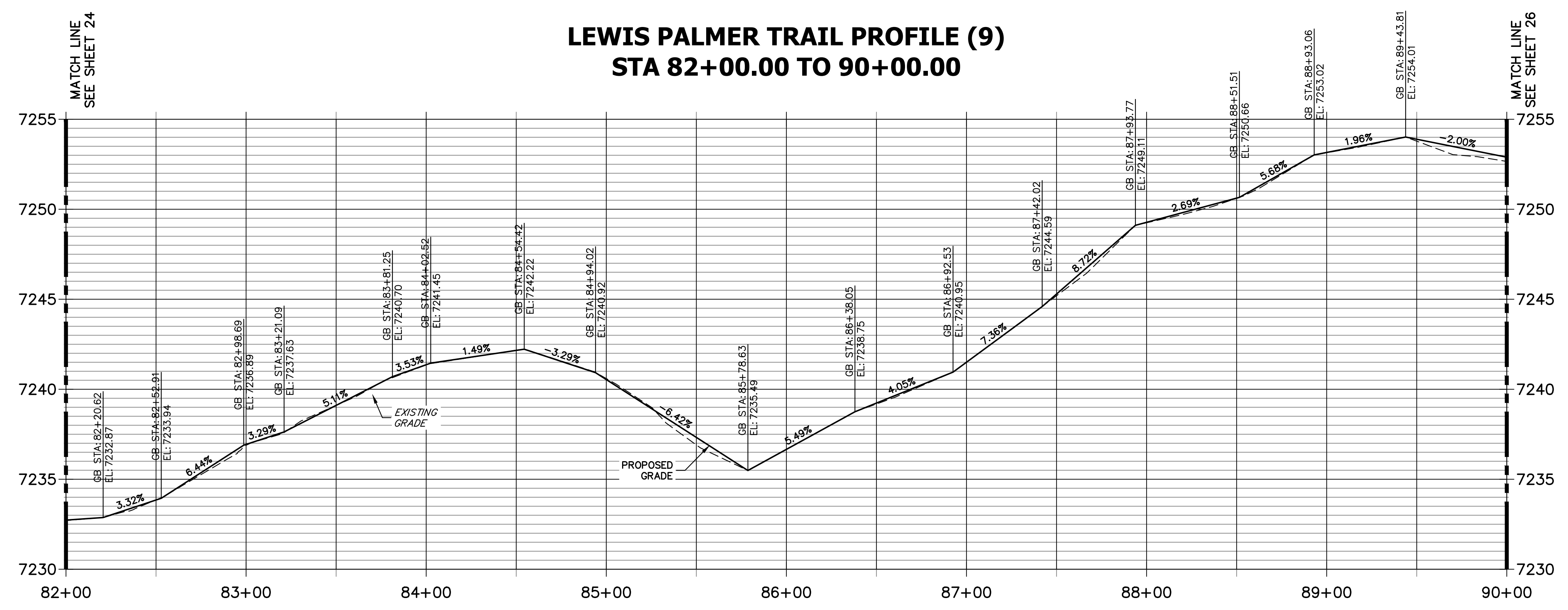
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	2520300
Sheet Number	24 OF 44

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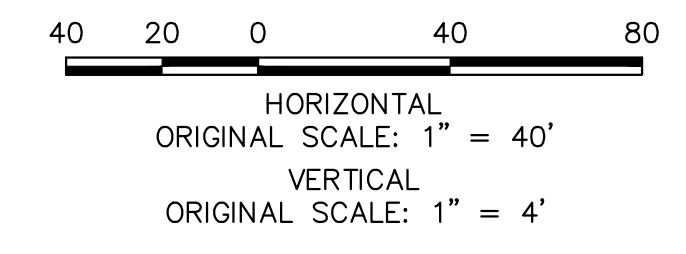


KEY MAP
SCALE: NOT TO SCALE

**LEWIS PALMER TRAIL PROFILE (9)
STA 82+00.00 TO 90+00.00**



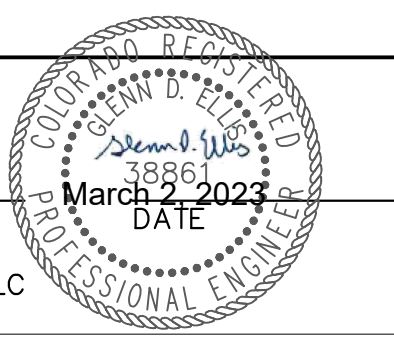
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ENGINEER'S STATEMENT

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



Print Date: 03/01/2023
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
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.

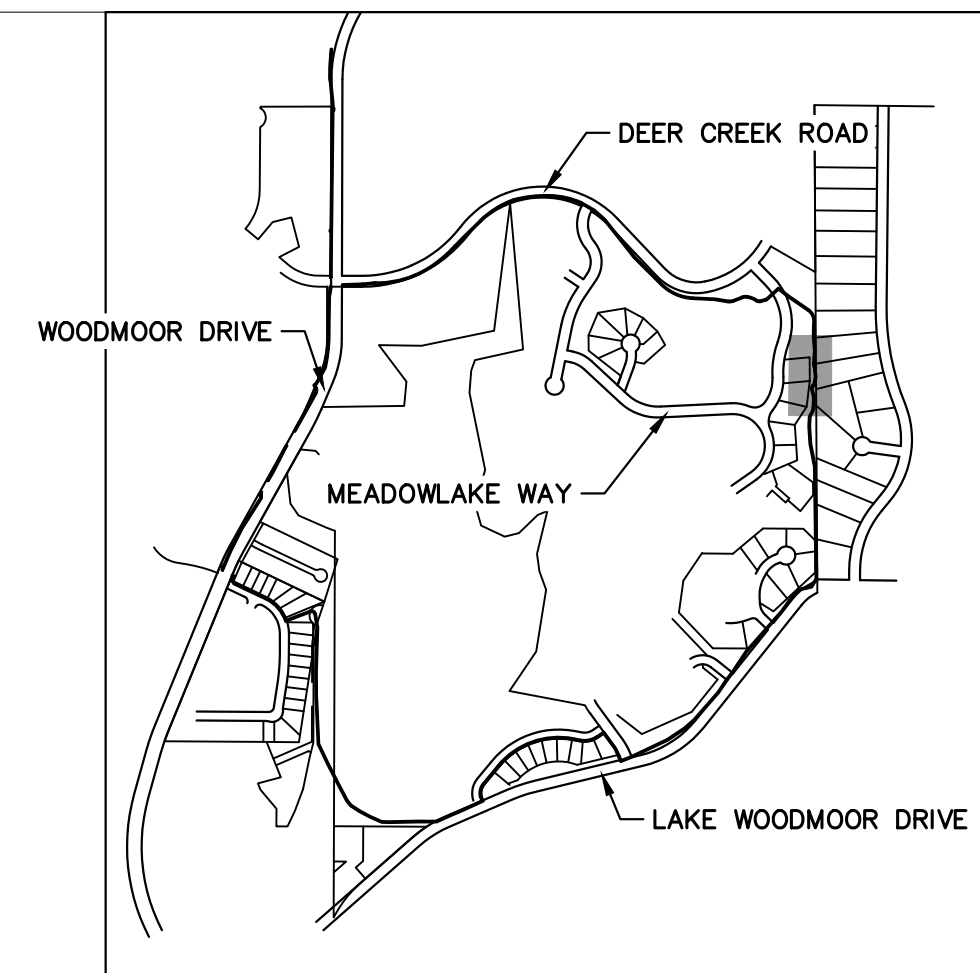
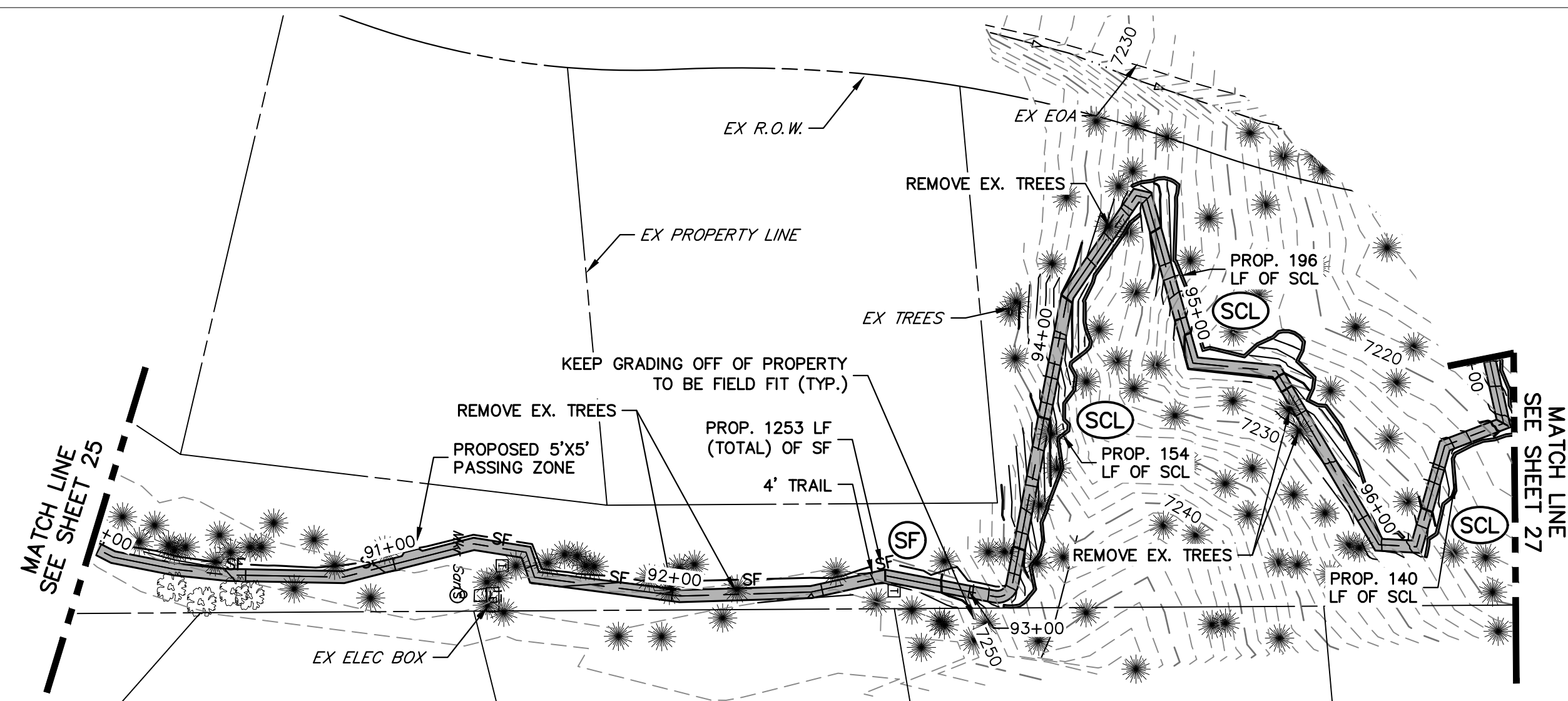
Colorado Department of Transportation
CDOT
Region 2
5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750
LP
Lewis Palmer School District 38

As Constructed
No Revisions:
Revised:
Void:

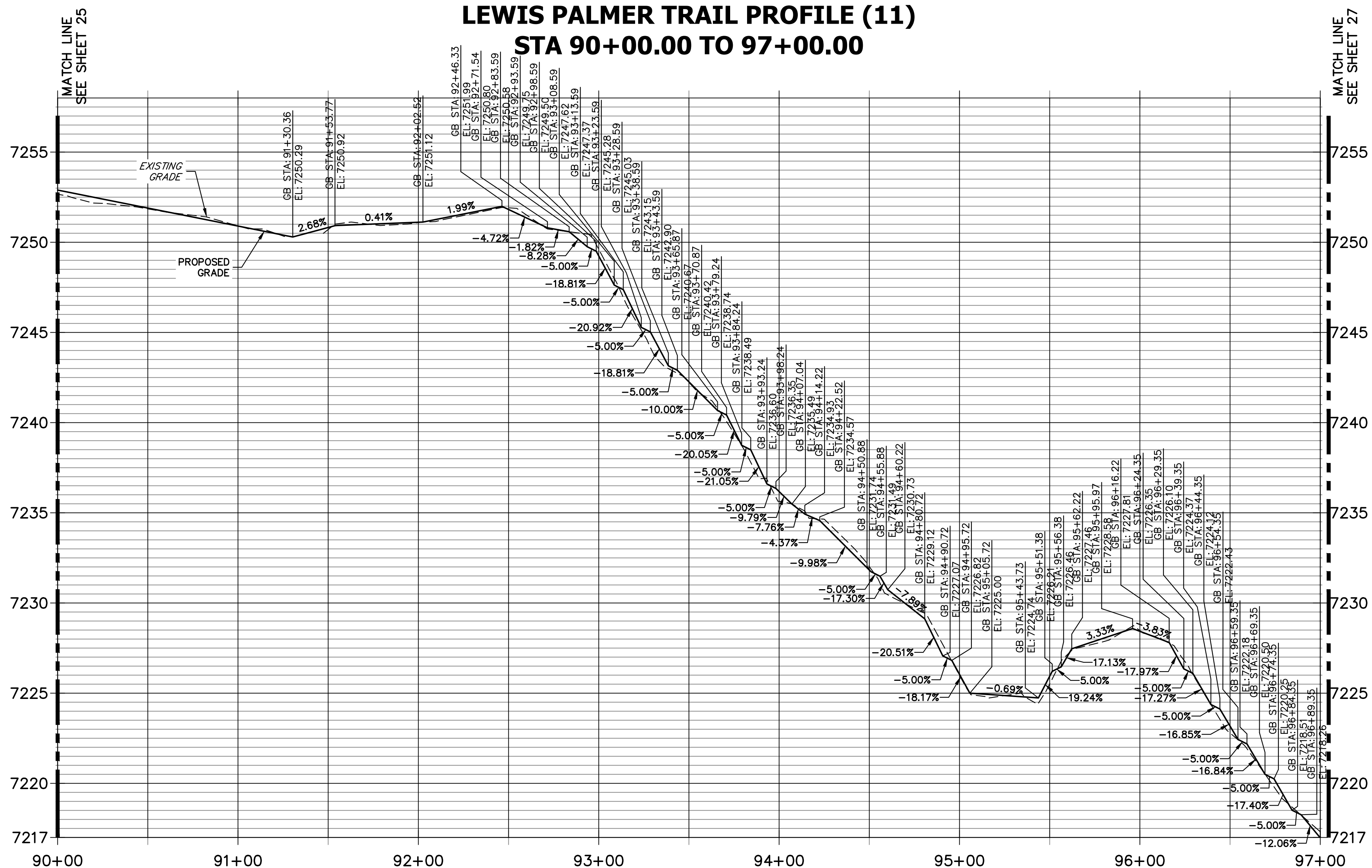
LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
Designer:	GG	Structure Numbers	
Detailer:	GG		
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	25 OF 44

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LEWIS PALMER TRAIL PROFILE (11)
STA 90+00.00 TO 97+00.00



- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND 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.
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HORIZONTAL ORIGINAL SCALE: 1" = 40'
 VERTICAL ORIGINAL SCALE: 1" = 4'

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: 03/01/2023
 File Name:
 Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
 Unit name Unit leader

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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

Lewis Palmer School District 38

As Constructed
No Revisions:
Revised:
Void:

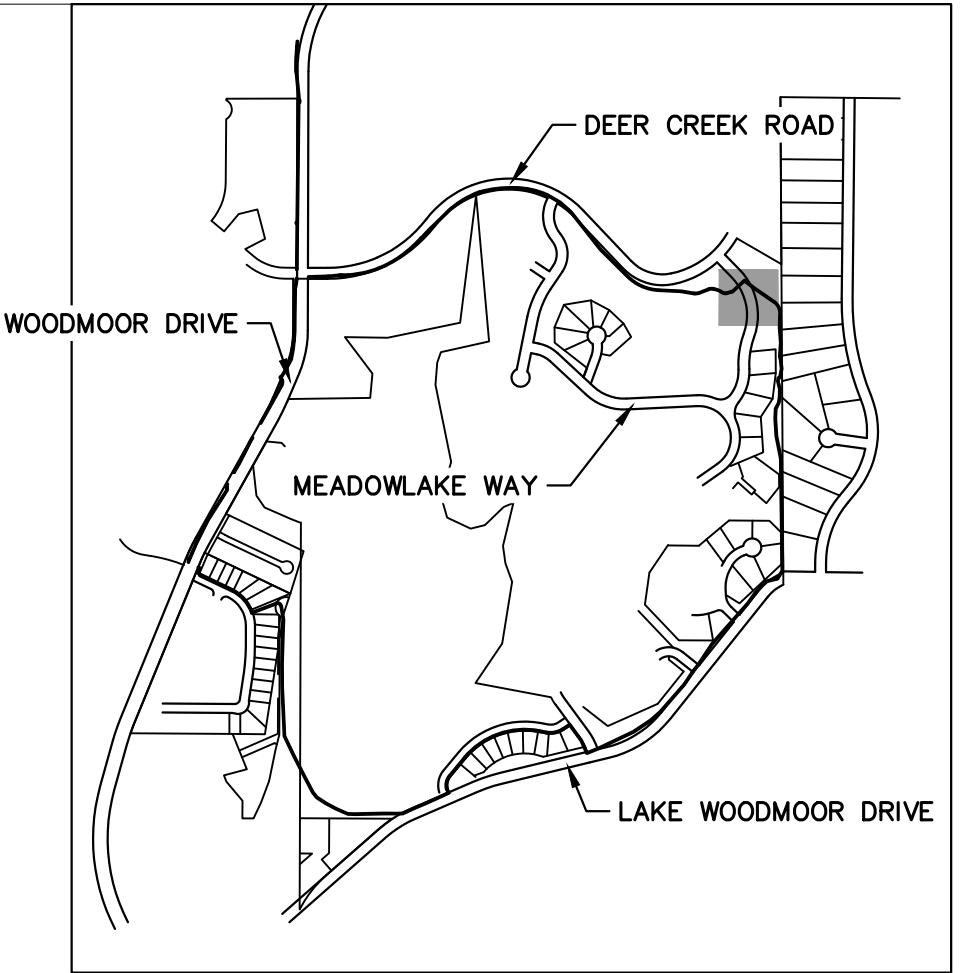
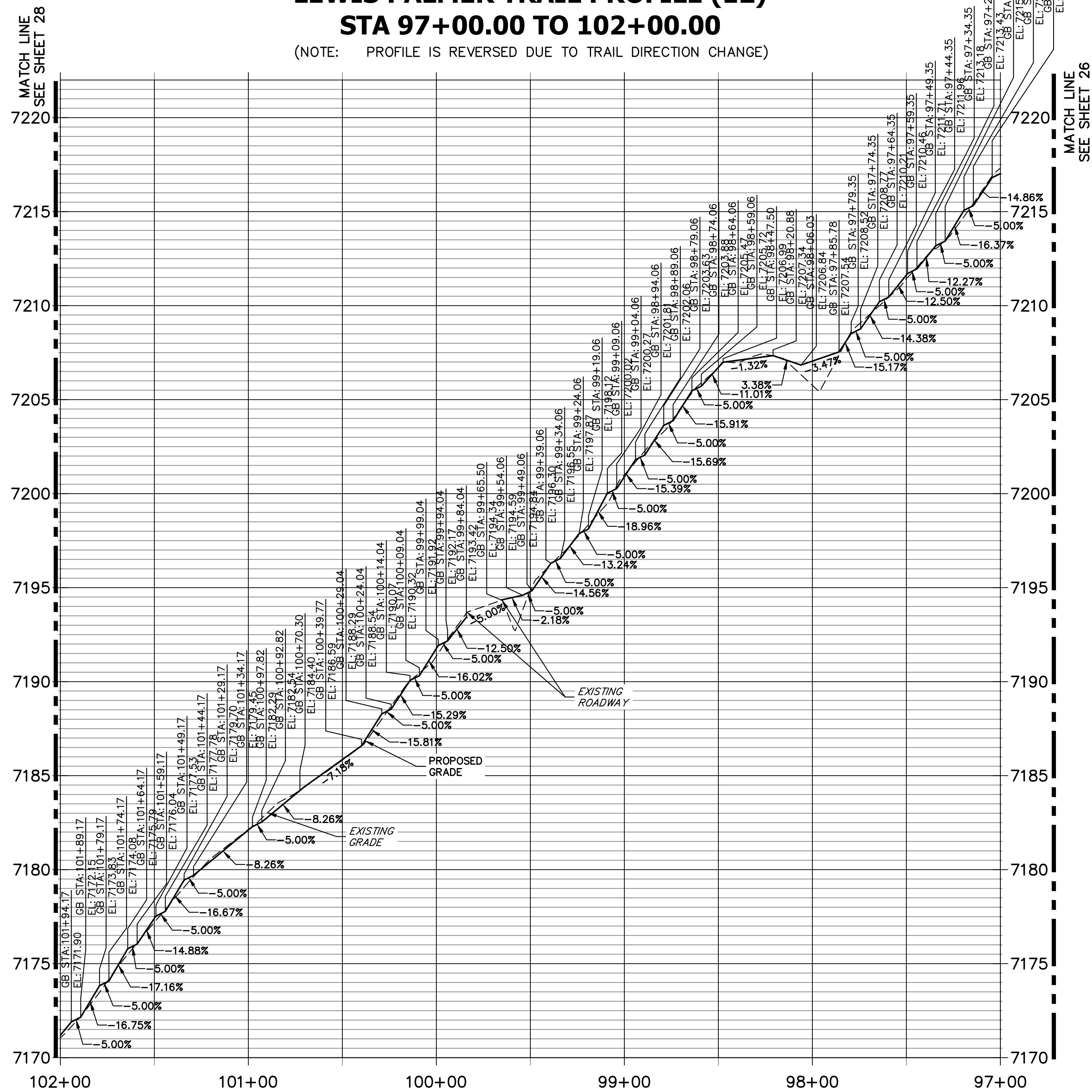
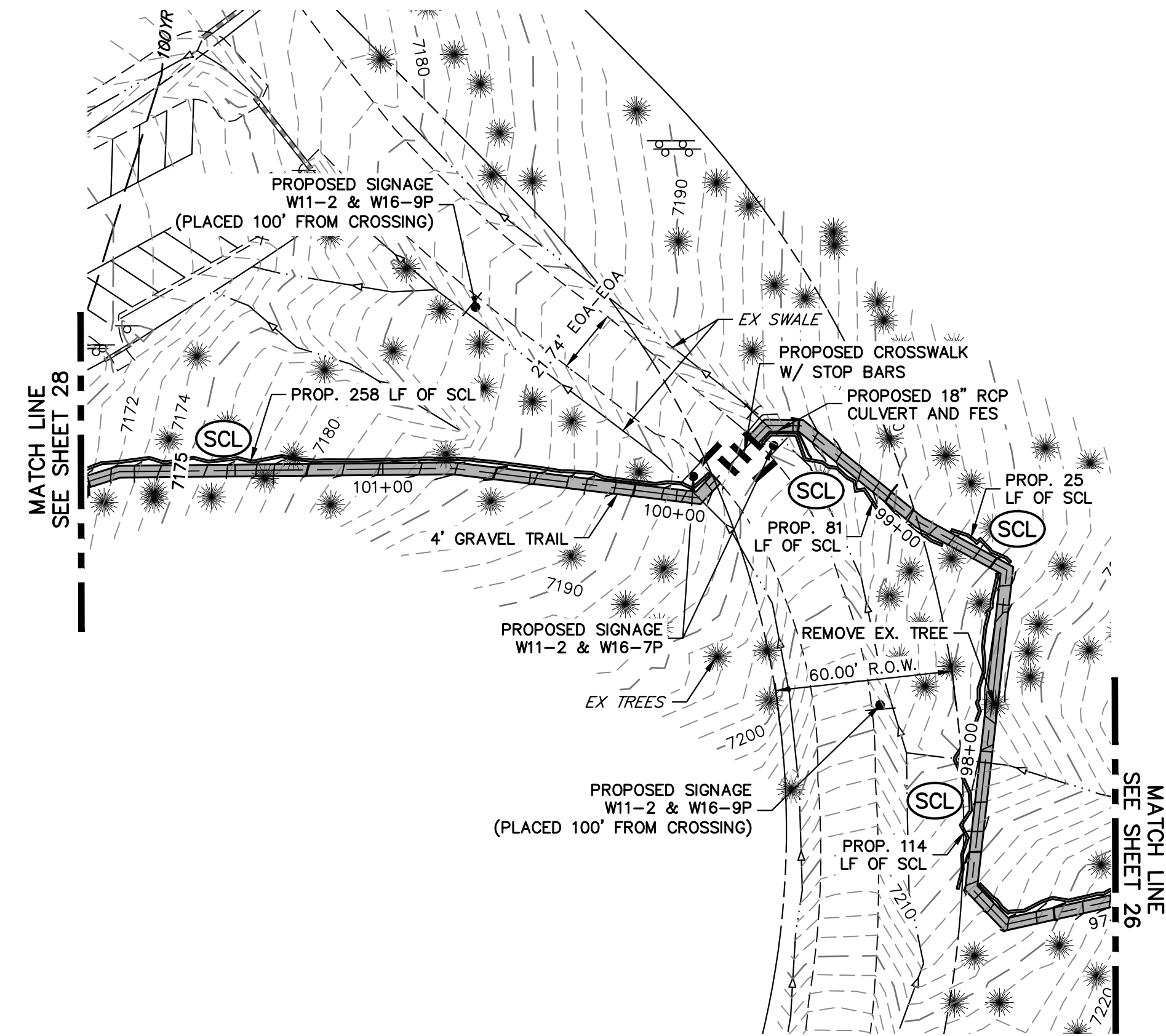
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Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	26 OF 44

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LEWIS PALMER TRAIL PROFILE (12) STA 97+00.00 TO 102+00.00

(NOTE: PROFILE IS REVERSED DUE TO TRAIL DIRECTION CHANGE)



KEY MAP
SCALE: NOT TO SCALE

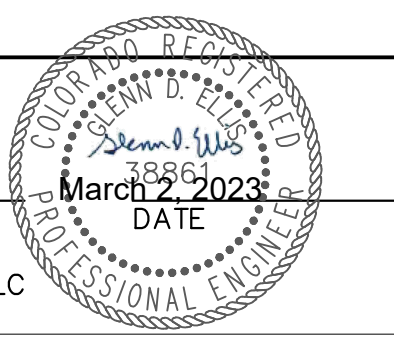
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VERTICAL ORIGINAL SCALE: 1" = 4'

Know what's below.
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PREPARED UNDER MY SUPERVISION

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



Print Date: 03/01/2023
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader

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Date:	Comments	Init.

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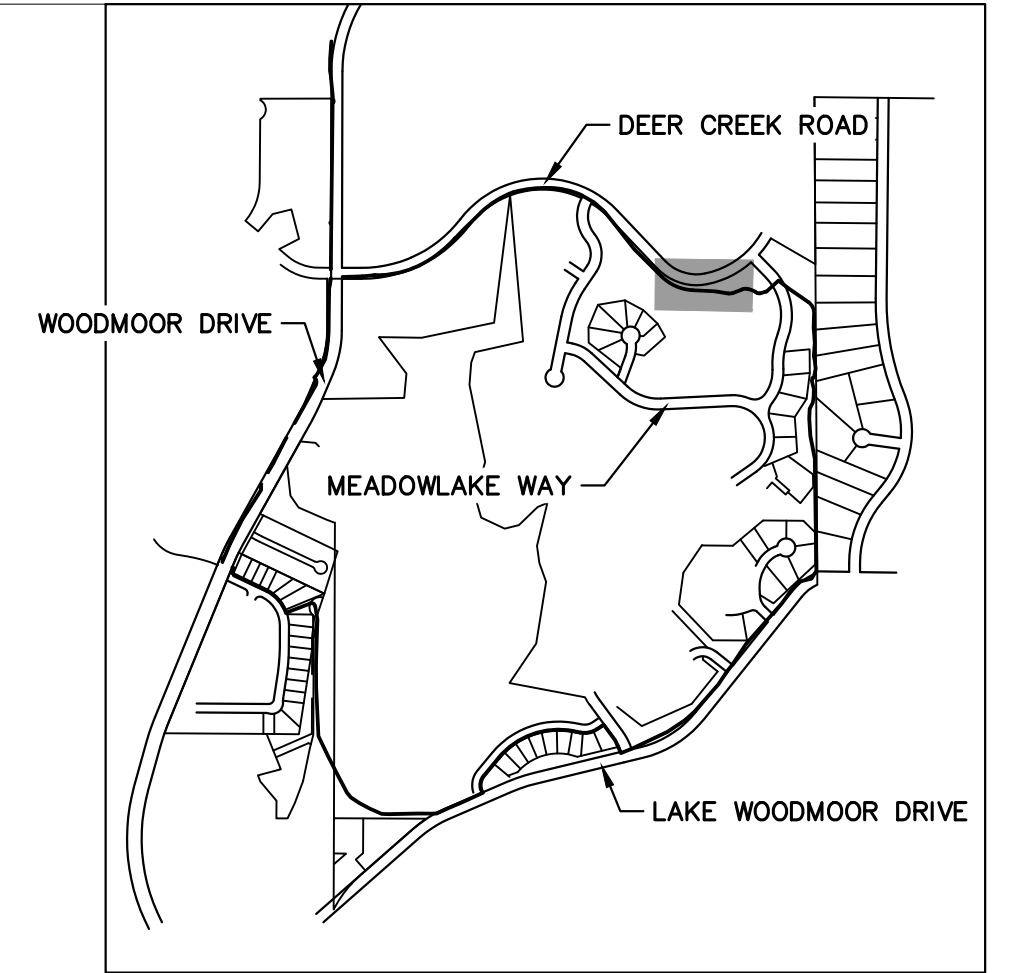
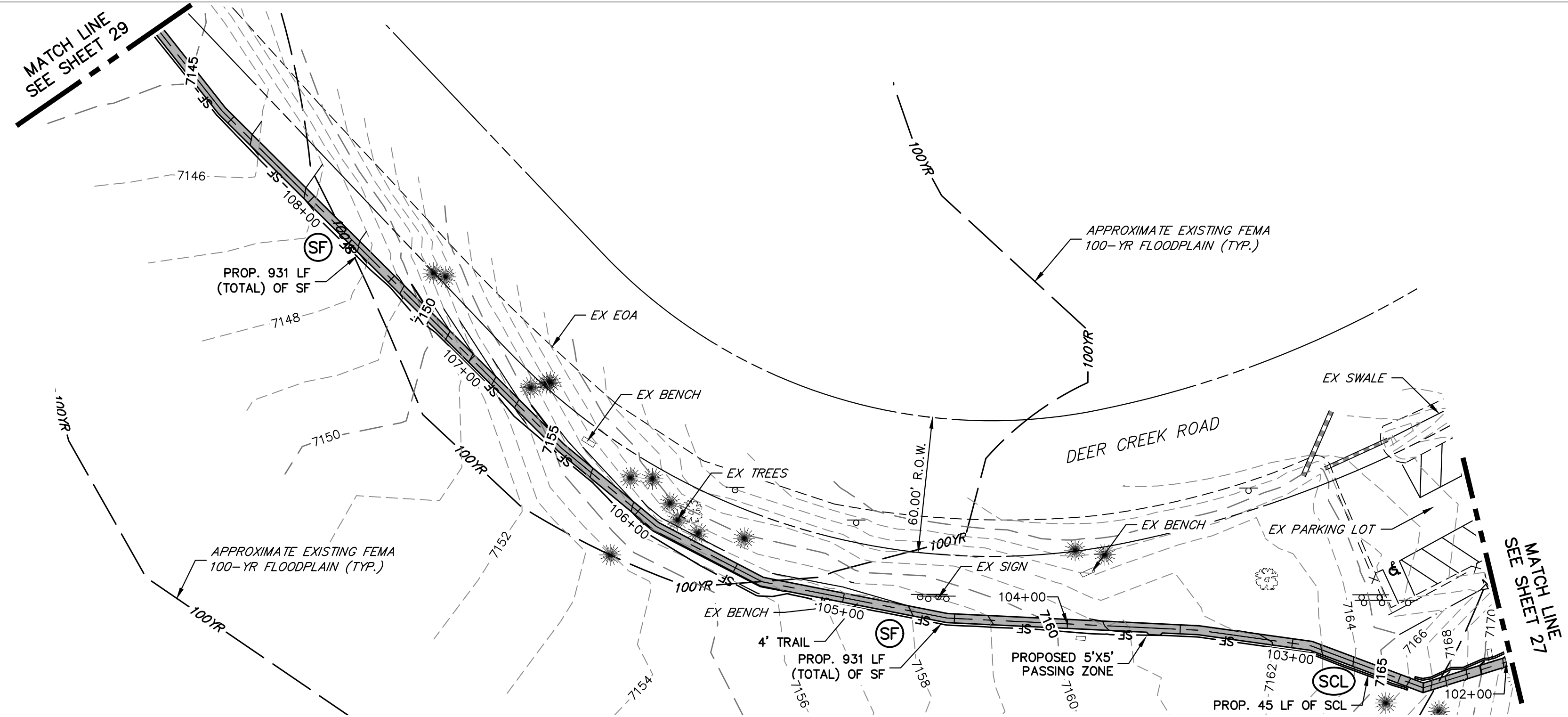
Lewis Palmer School District 38

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No Revisions:
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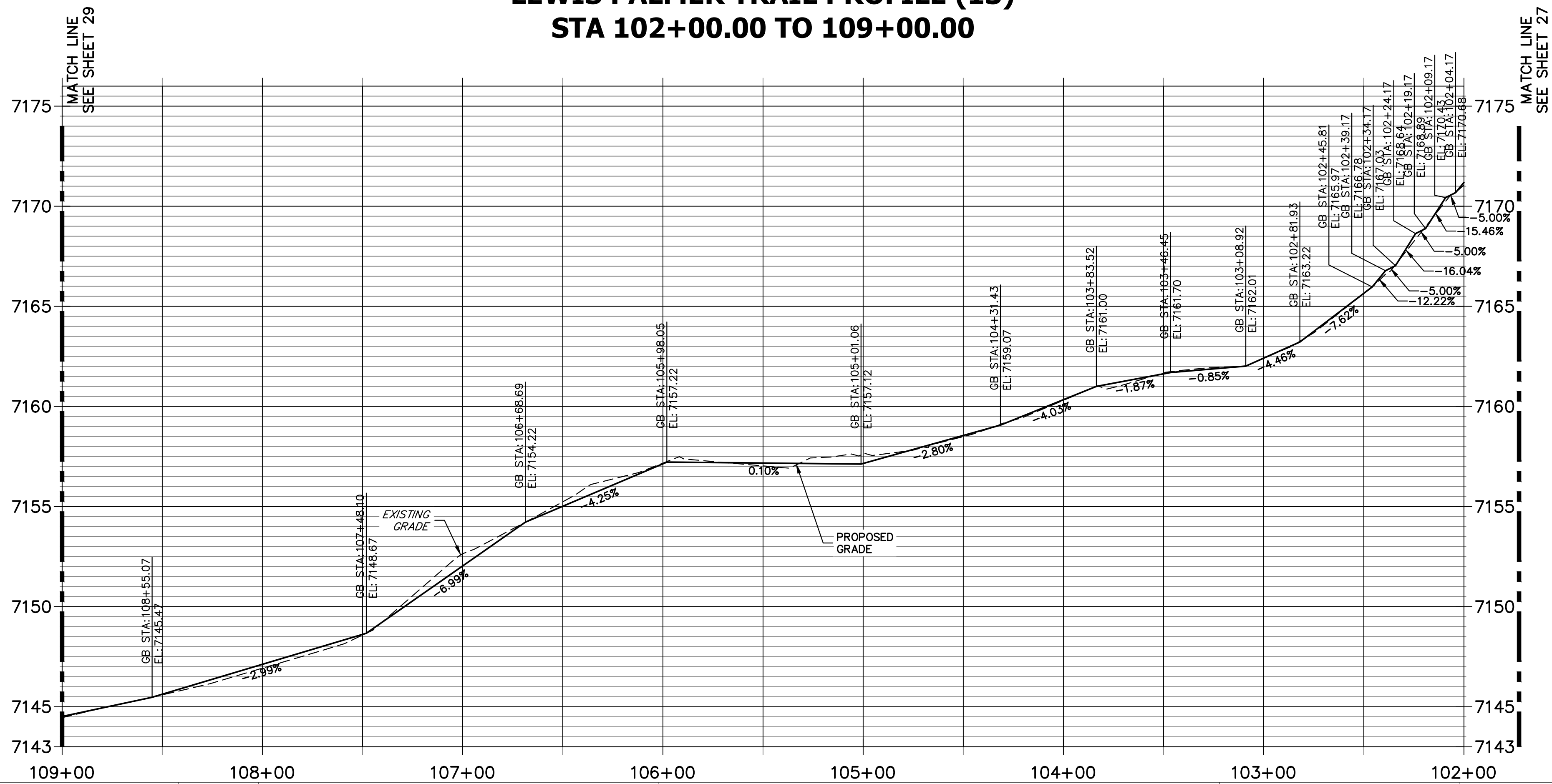
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Designer:	GG	Structure Numbers	
Detailer:	GG		
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	27 OF 44

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**LEWIS PALMER TRAIL PROFILE (13)
STA 102+00.00 TO 109+00.00**



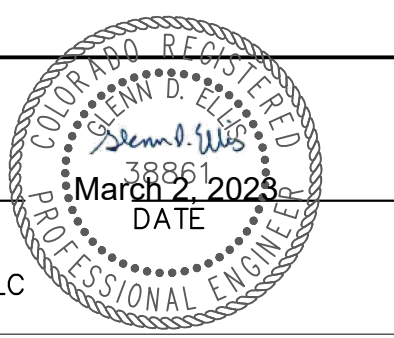
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Sheet Revisions		
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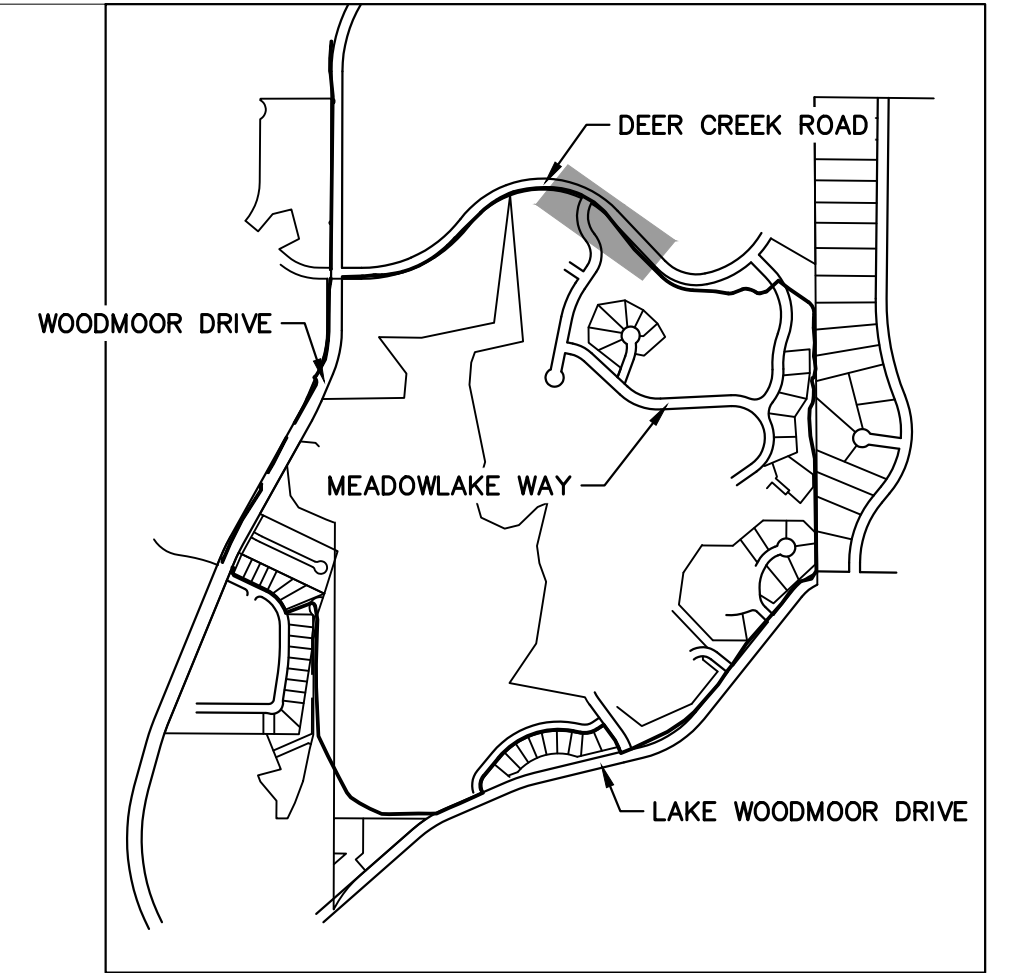
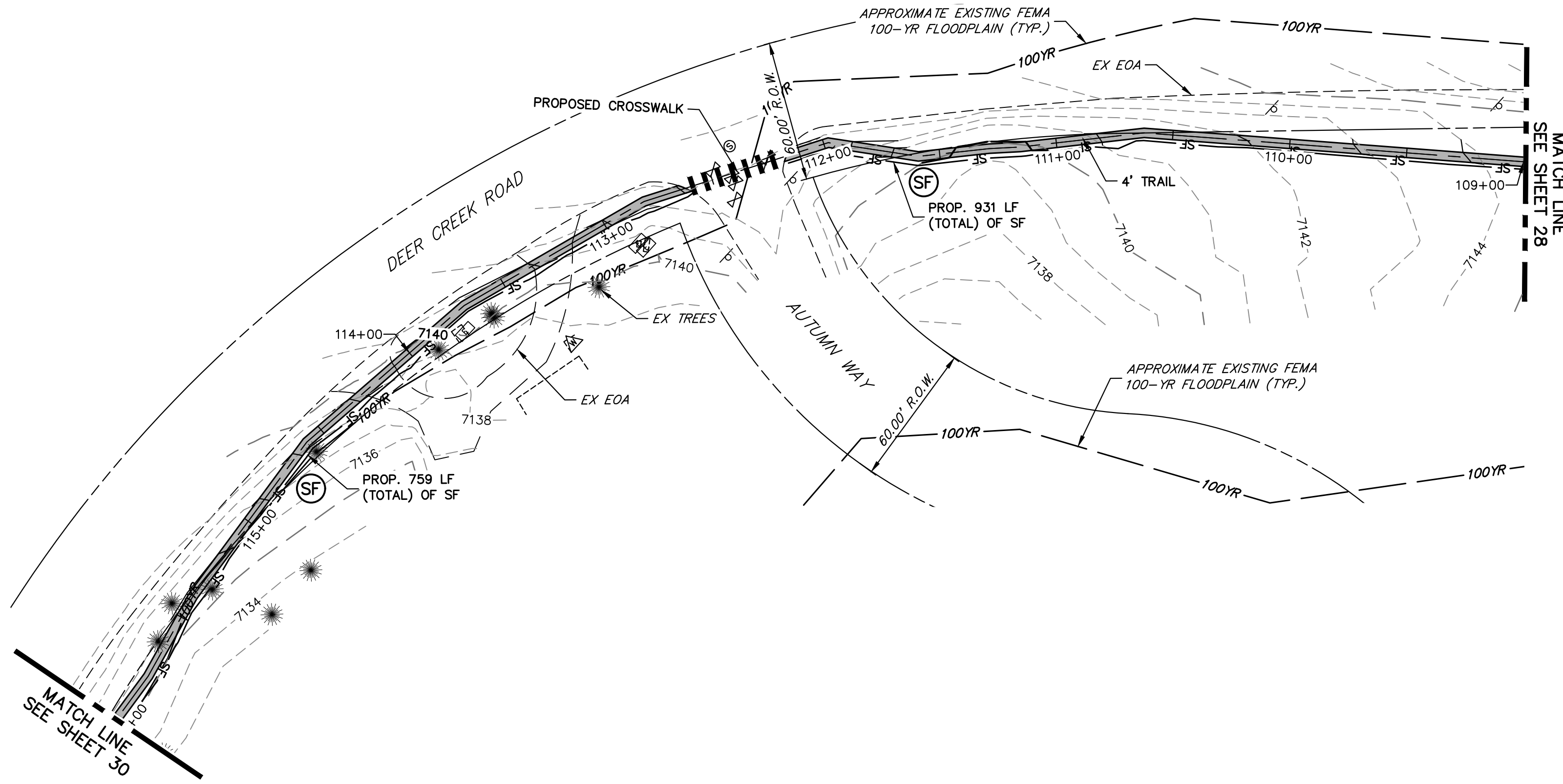
Lewis Palmer School District 38

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No Revisions:
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Designer:	GG	Structure Numbers	
Detailer:	GG		
Sheet Subset:		Subset Sheets:	OF

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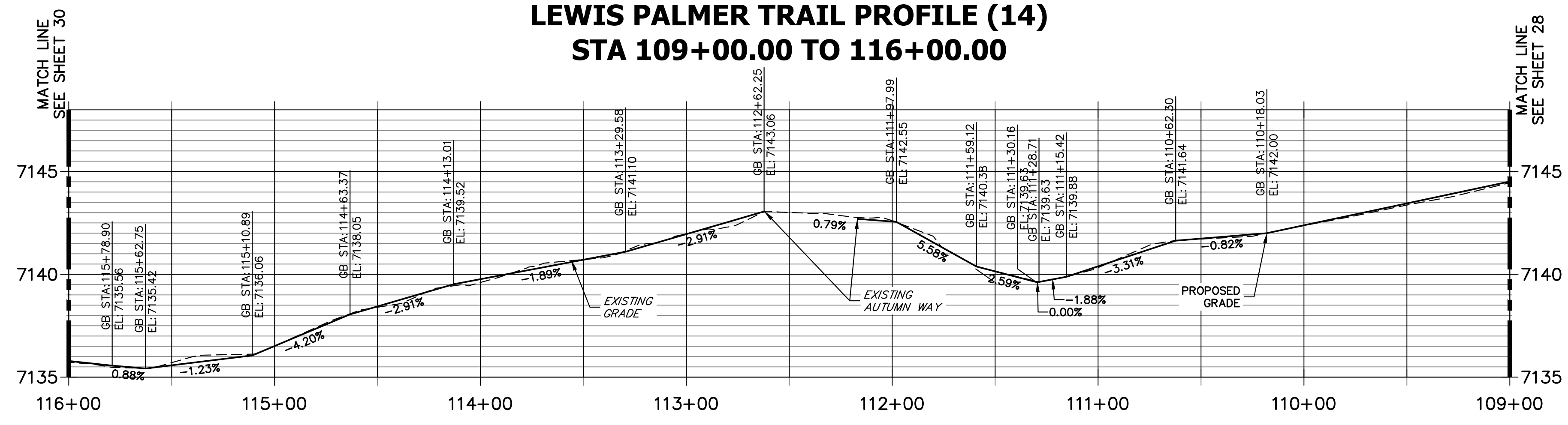
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KEY MAP
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- NOTES:**
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 2. EXISTING DRAINAGE PATHS AND PATTERNS SHALL BE MAINTAINED. AN 18" RCP AND FLARED END SECTION SHALL BE INSTALLED AT STA. 99+59. TYPE H (18") RIP RAP SHALL BE INSTALLED AT THE DOWNSTREAM END, AND SHALL BE 9' LONG BY 9' WIDE. IF EXISTING TOPOGRAPHY DICTATES THAT ADDITIONAL AREAS REQUIRE CULVERTS, THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING CULVERT SIZING.
 3. AT EACH STREET CROSSING, THE CONTRACTOR SHALL GRADE THE CROSSING (TRANSITION BETWEEN TRAIL AND EDGE OF ASPHALT) TO ENSURE COMPLIANCE WITH ADA. ACCEPTABLE DETECTABLE WARNING SURFACE TYPE WILL BE DETERMINED AT TIME OF CONSTRUCTION TO BEST FIT THE PROJECT SITE.

LEWIS PALMER TRAIL PROFILE (14)
STA 109+00.00 TO 116+00.00

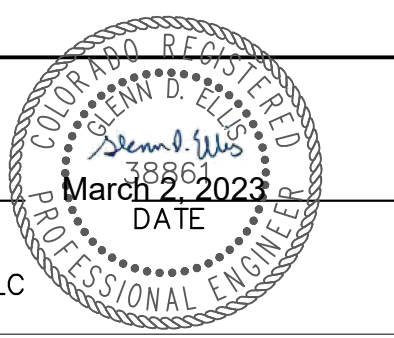


HORIZONTAL ORIGINAL SCALE: 1" = 40'
VERTICAL ORIGINAL SCALE: 1" = 4'

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: 03/01/2023
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader

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A Westrian Company
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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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

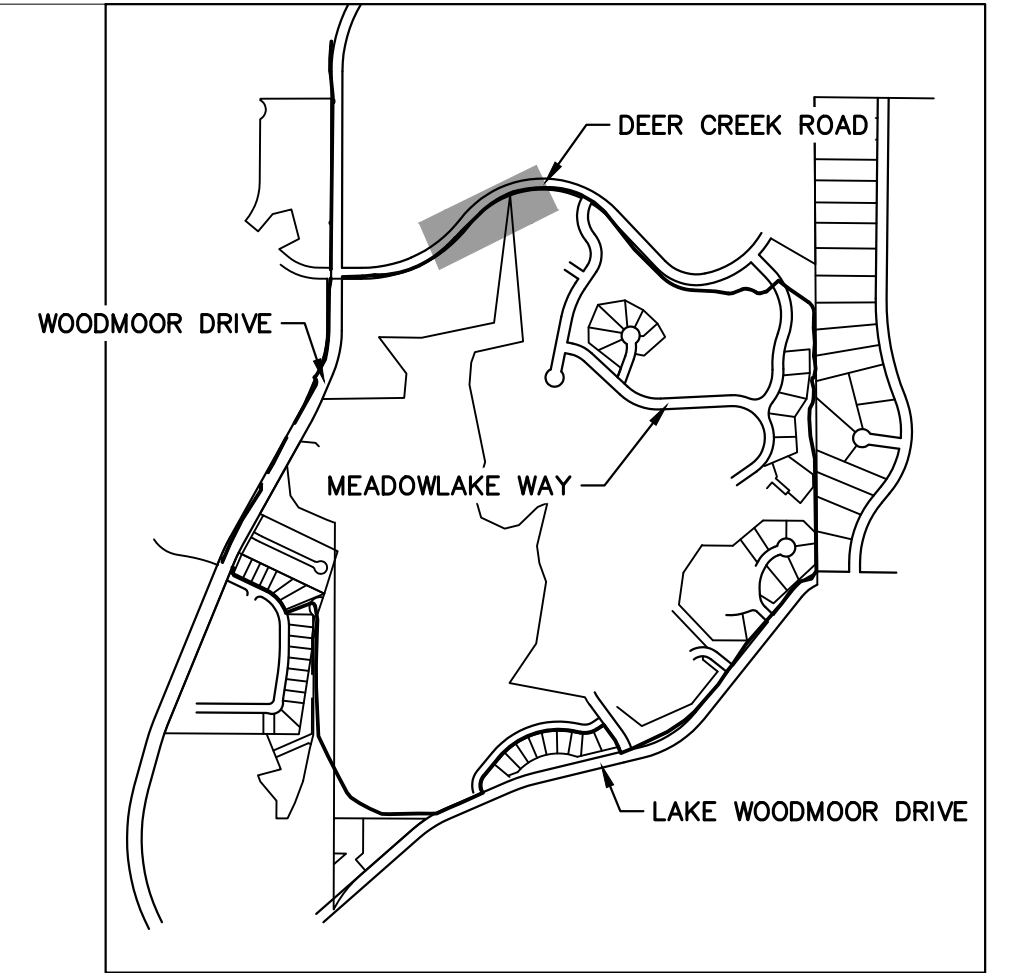
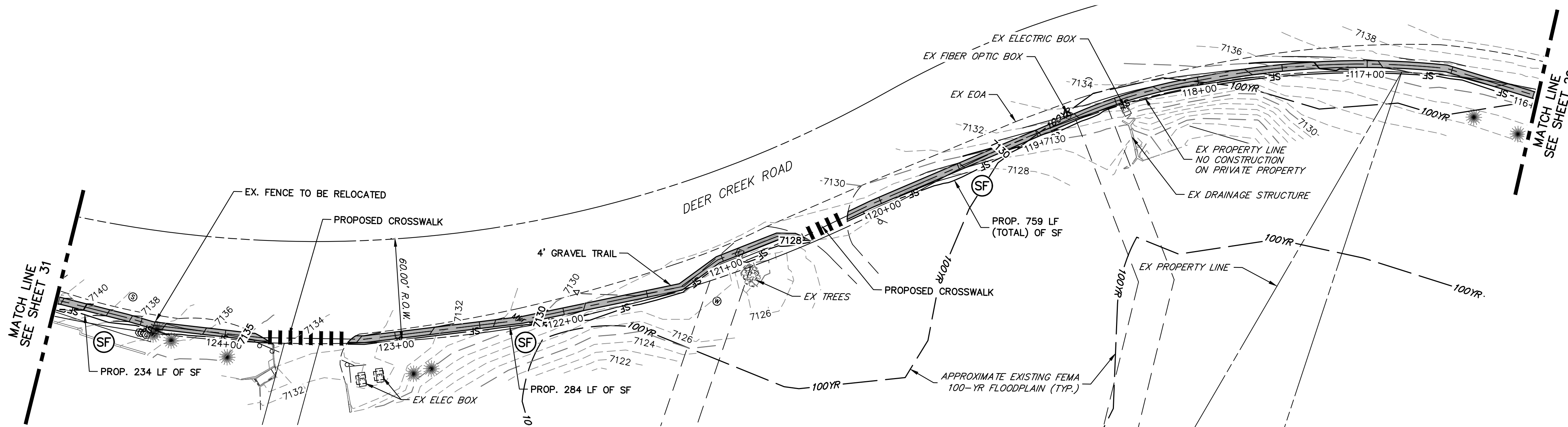
Lewis Palmer School District 38

As Constructed
No Revisions:
Revised:
Void:

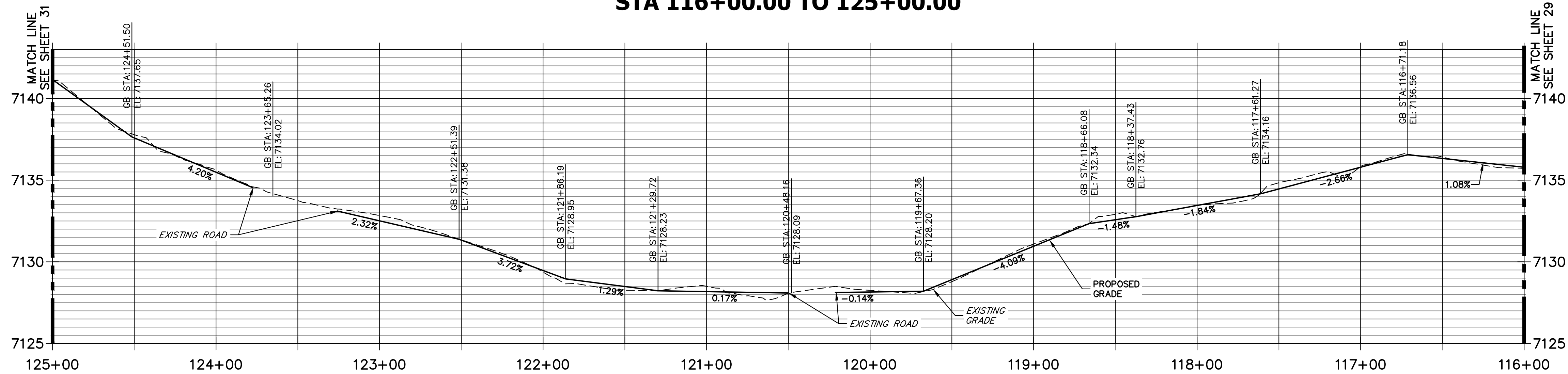
LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
Designer:	GG	Structure Numbers	
Detailer:	GG		
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	29 OF 44

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**LEWIS PALMER TRAIL PROFILE (15)
STA 116+00.00 TO 125+00.00**

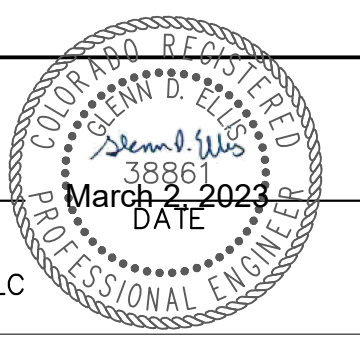


- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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.
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HORIZONTAL ORIGINAL SCALE: 1" = 40'
VERTICAL ORIGINAL SCALE: 1" = 4'

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: 03/01/2023
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader

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Date:	Comments	Init.

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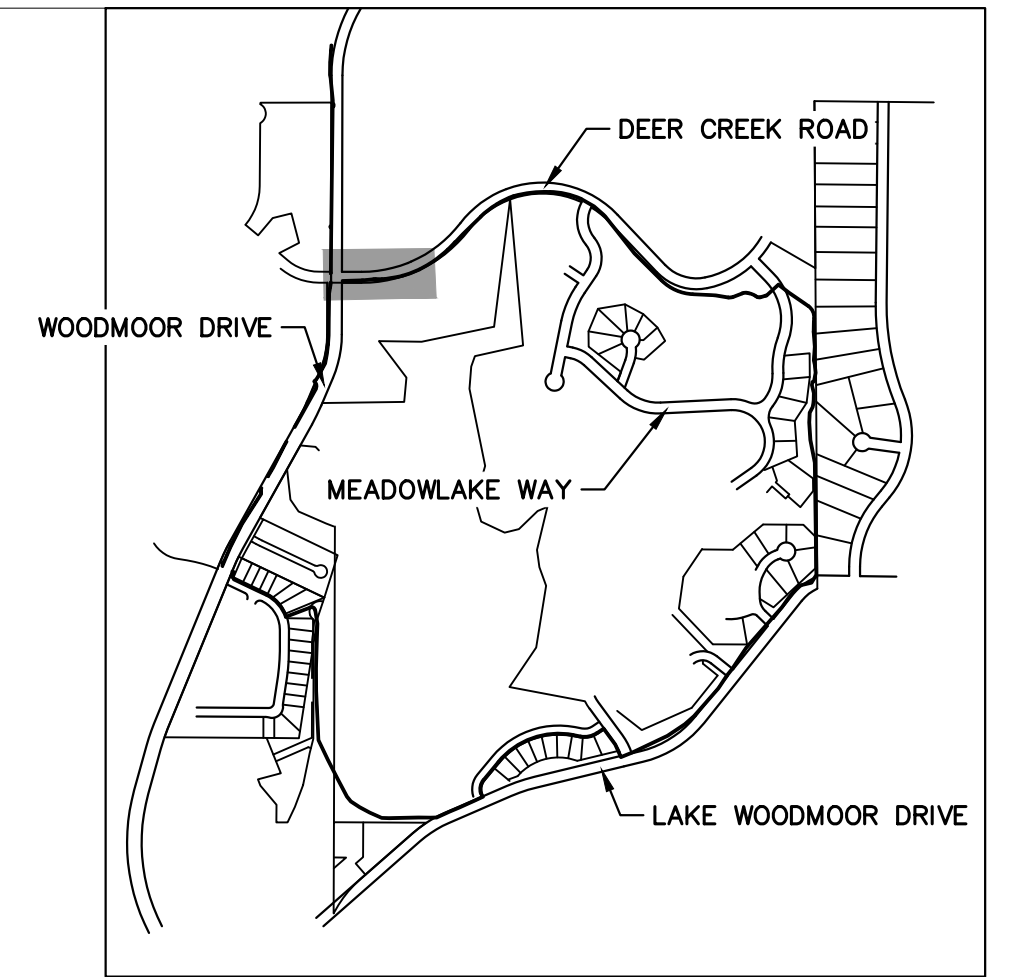
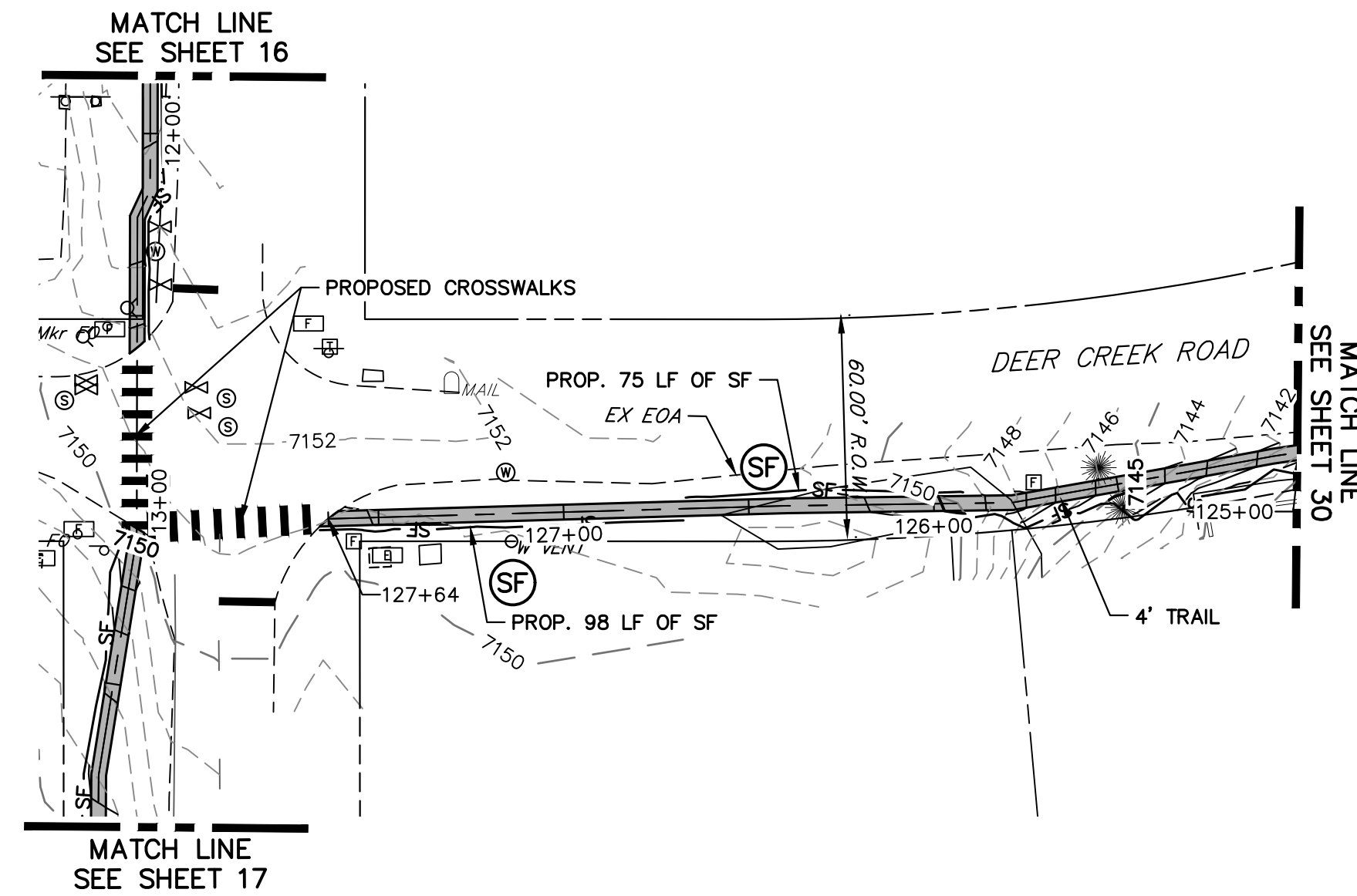
Lewis Palmer School District 38

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No Revisions:
Revised:
Void:

LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

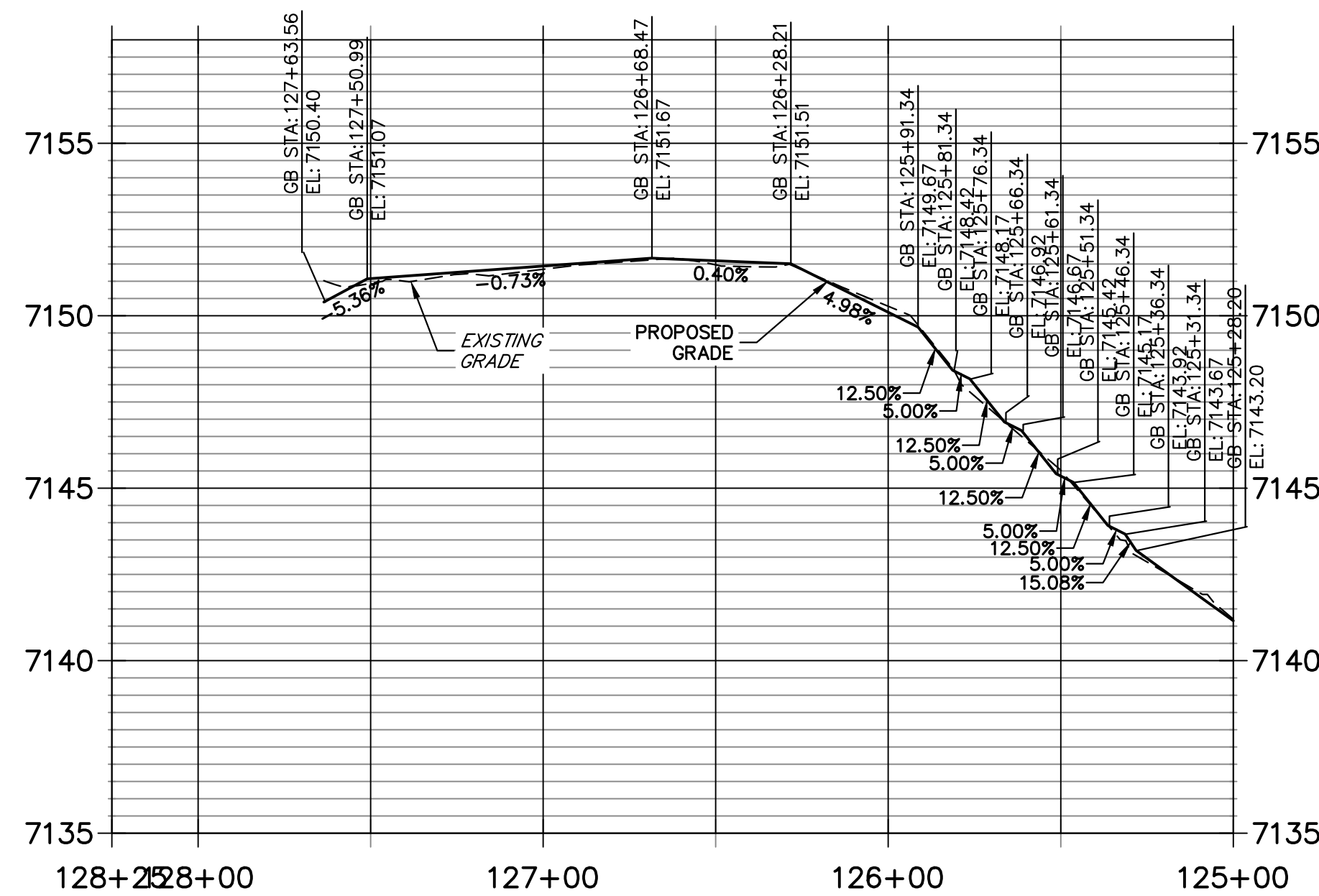
Project No./Code	M915-009/22585
	2520300
Sheet Number	30 OF 44

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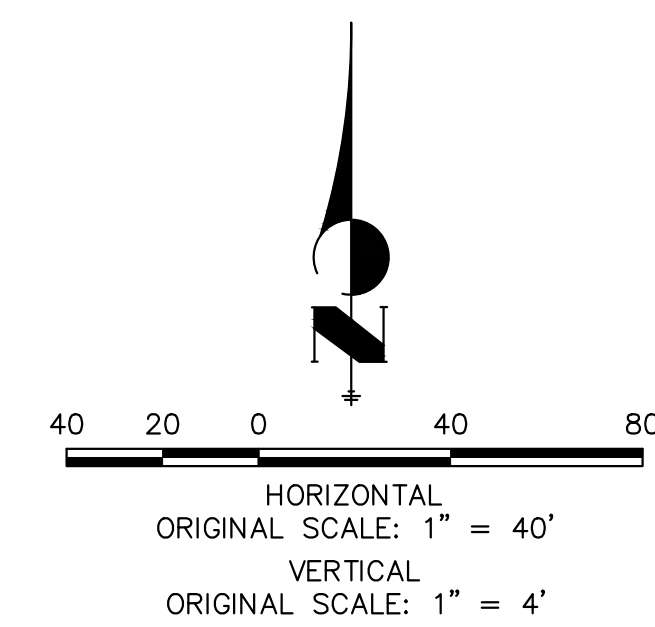


KEY MAP
SCALE: NOT TO SCALE

LEWIS PALMER TRAIL PROFILE (16)
STA 125+00.00 TO 128+25.00



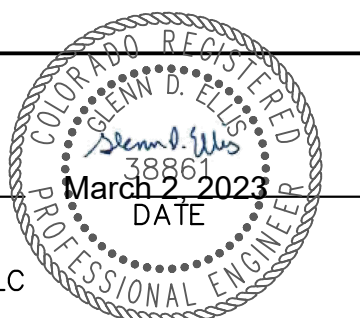
- NOTES:**
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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.
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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

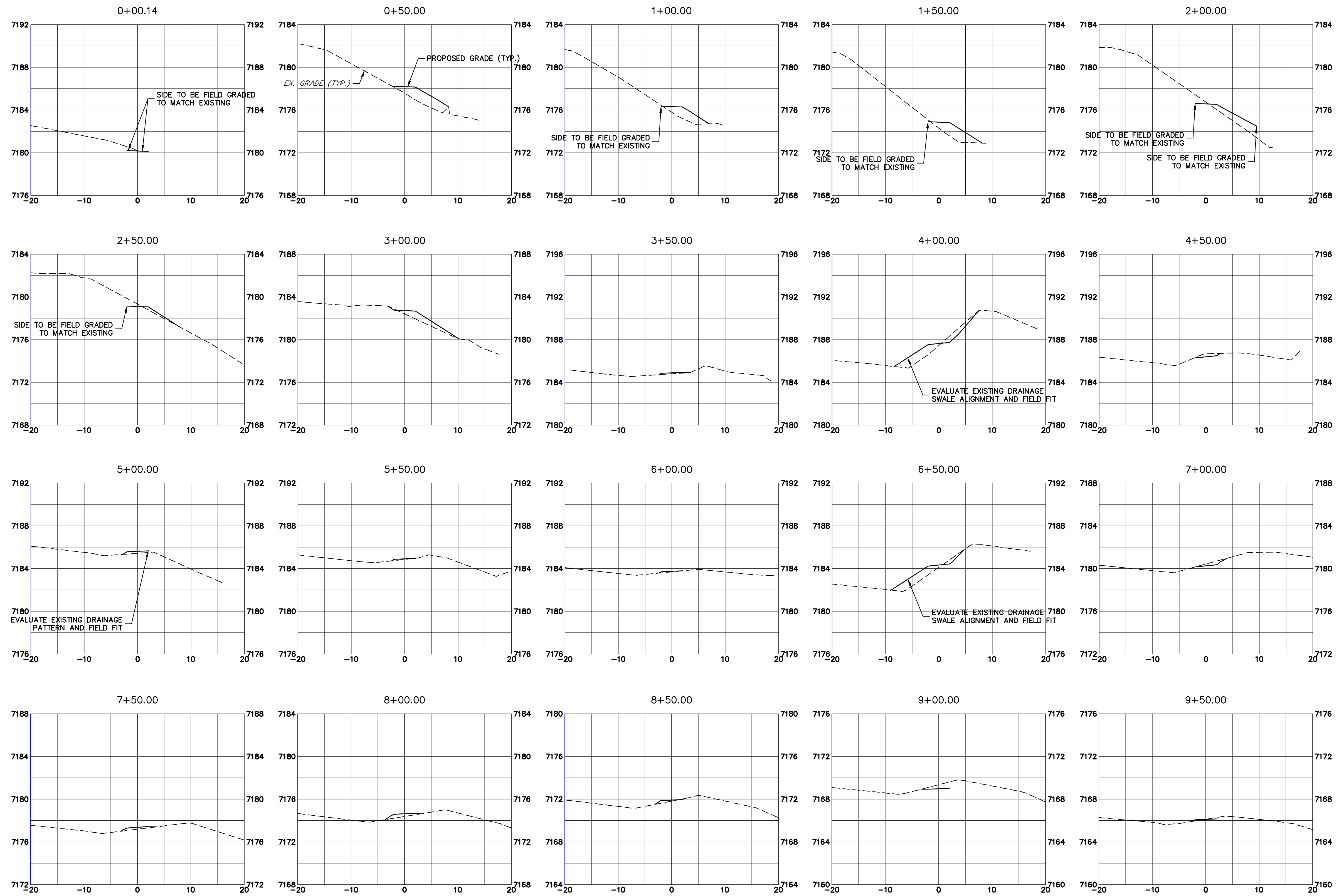


Print Date: 03/01/2023
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
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LP
Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE		Project No./Code
No Revisions:			M915-009/22585
Revised:	Designer: GG	Structure Numbers	2520300
Void:	Detailer: GG	Sheet Subset:	Sheet Number 31 OF 44
		Subset Sheets: OF	



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 Unit name Unit leader
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Date:	Comments	Init.

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 Pueblo, CO 81008
 Phone: 719-546-5750

Lewis Palmer School District 38

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 No Revisions:
 Revised:
 Void:

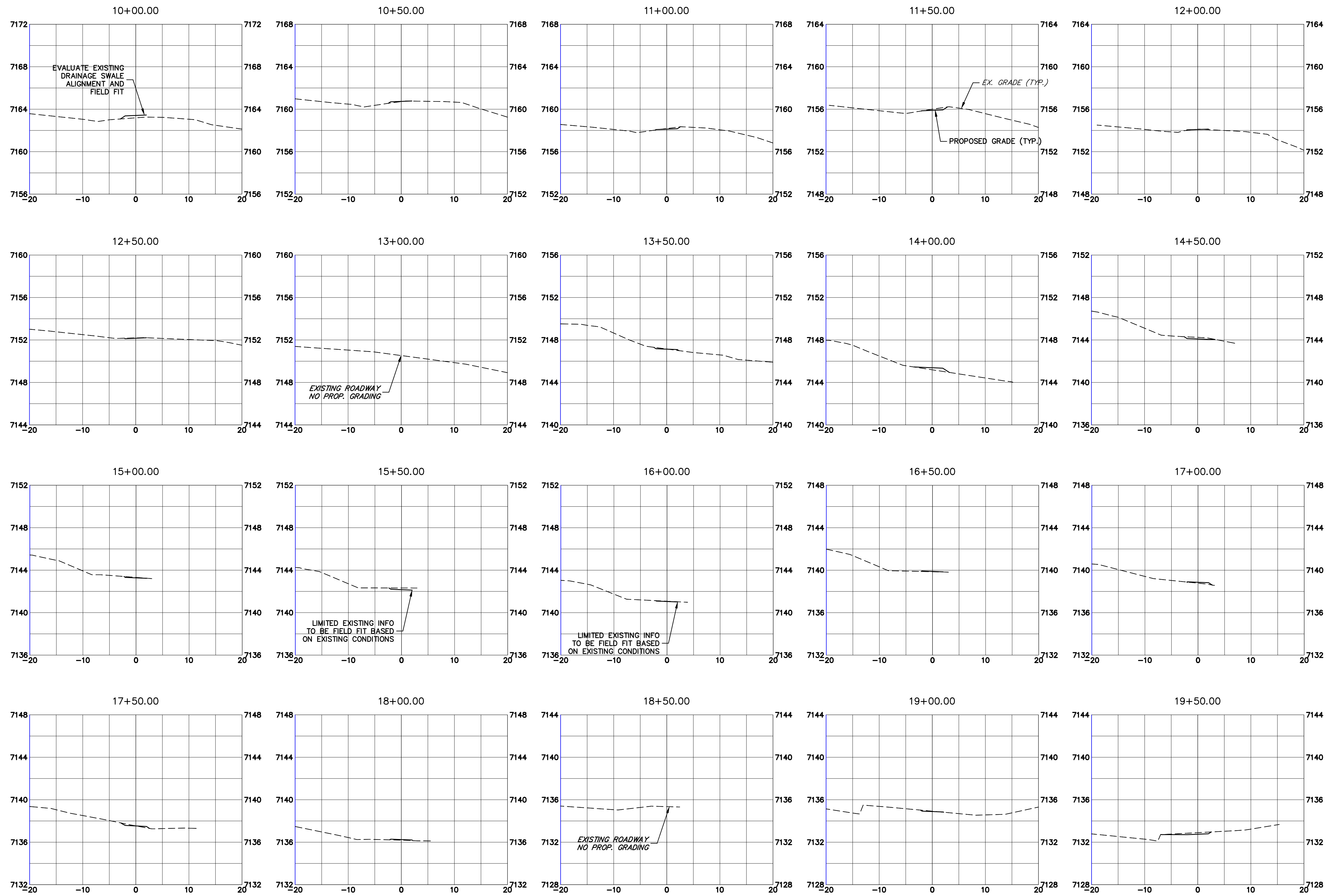
LEWIS PALMER TRAIL
 CROSS SECTION

Designer: GG
 Detailer: GG

Structure Numbers
 Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 32 OF 44

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Print Date: 03/01/2023
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
J-R ENGINEERING
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Sheet Revisions		
Date:	Comments	Init.

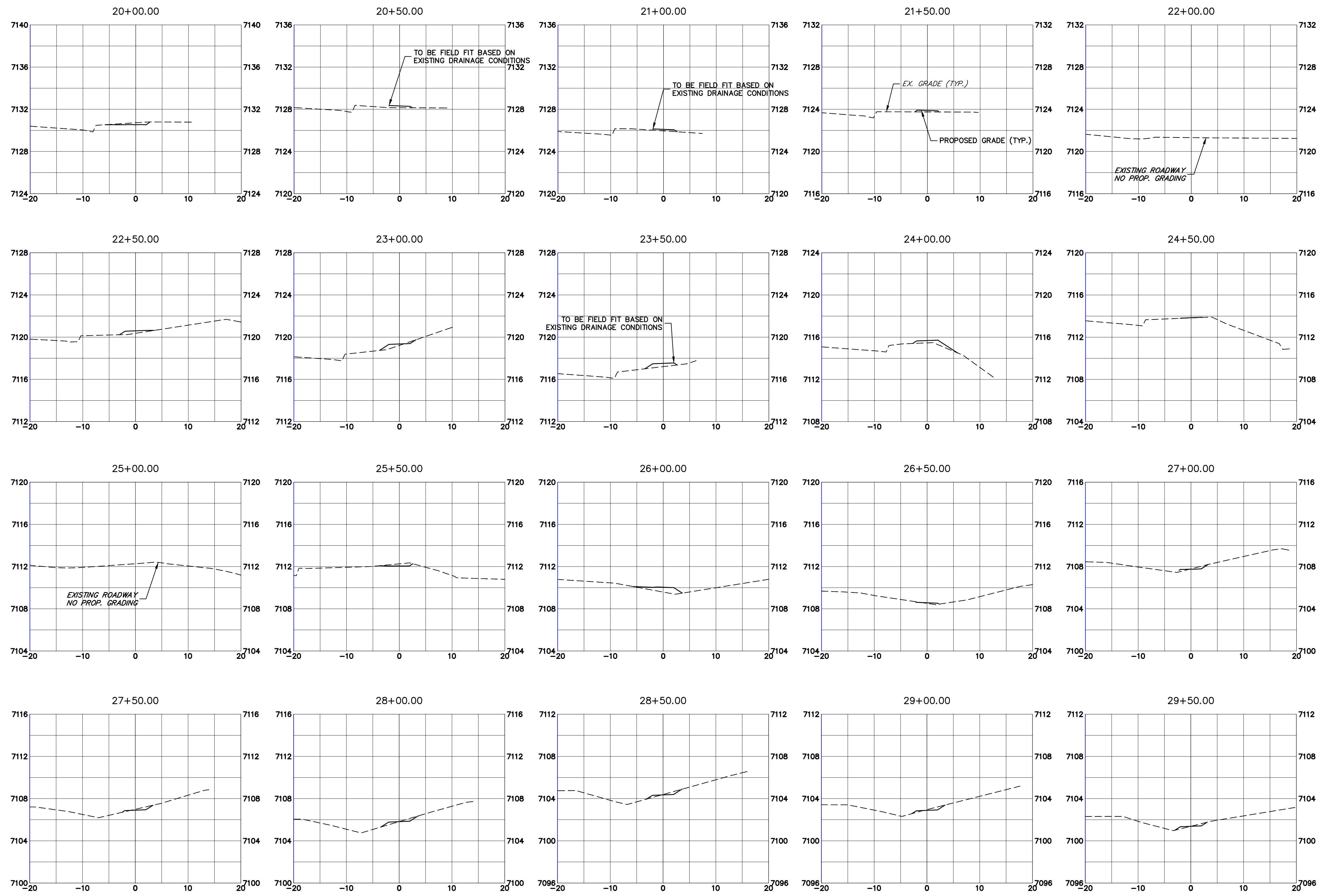
Colorado Department of Transportation
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Lewis Palmer School District 38
 Region 2

As Constructed
 No Revisions:
 Revised:
 Void:

LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 33 OF 44

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Print Date: 03/01/2023
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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Sheet Revisions		
Date:	Comments	Init.

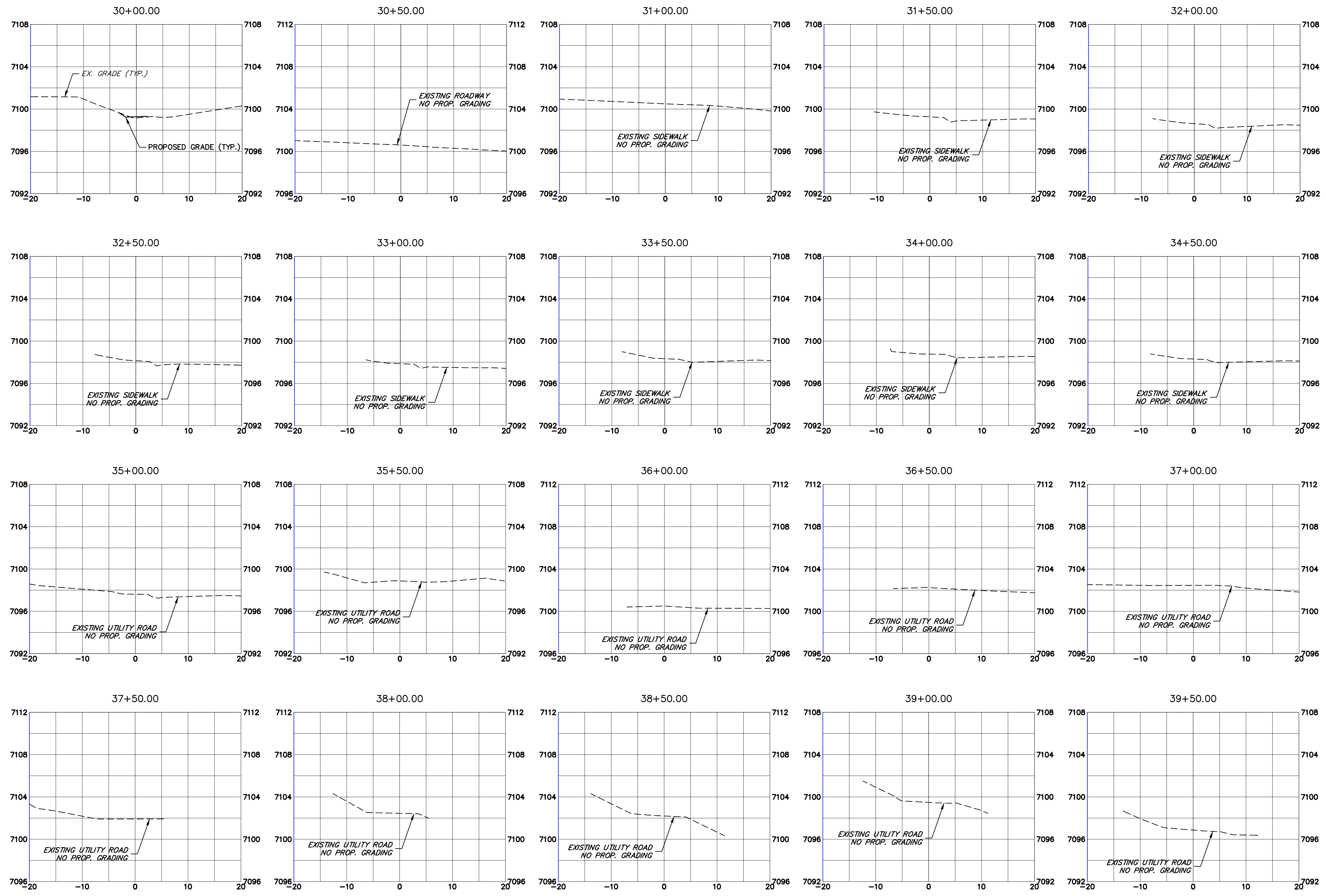
Colorado Department of Transportation
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
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 Region 2


As Constructed
 No Revisions:
 Revised:
 Void:

LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 34 OF 44

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Print Date: 03/01/2023
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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Sheet Revisions		
Date:	Comments	Init.

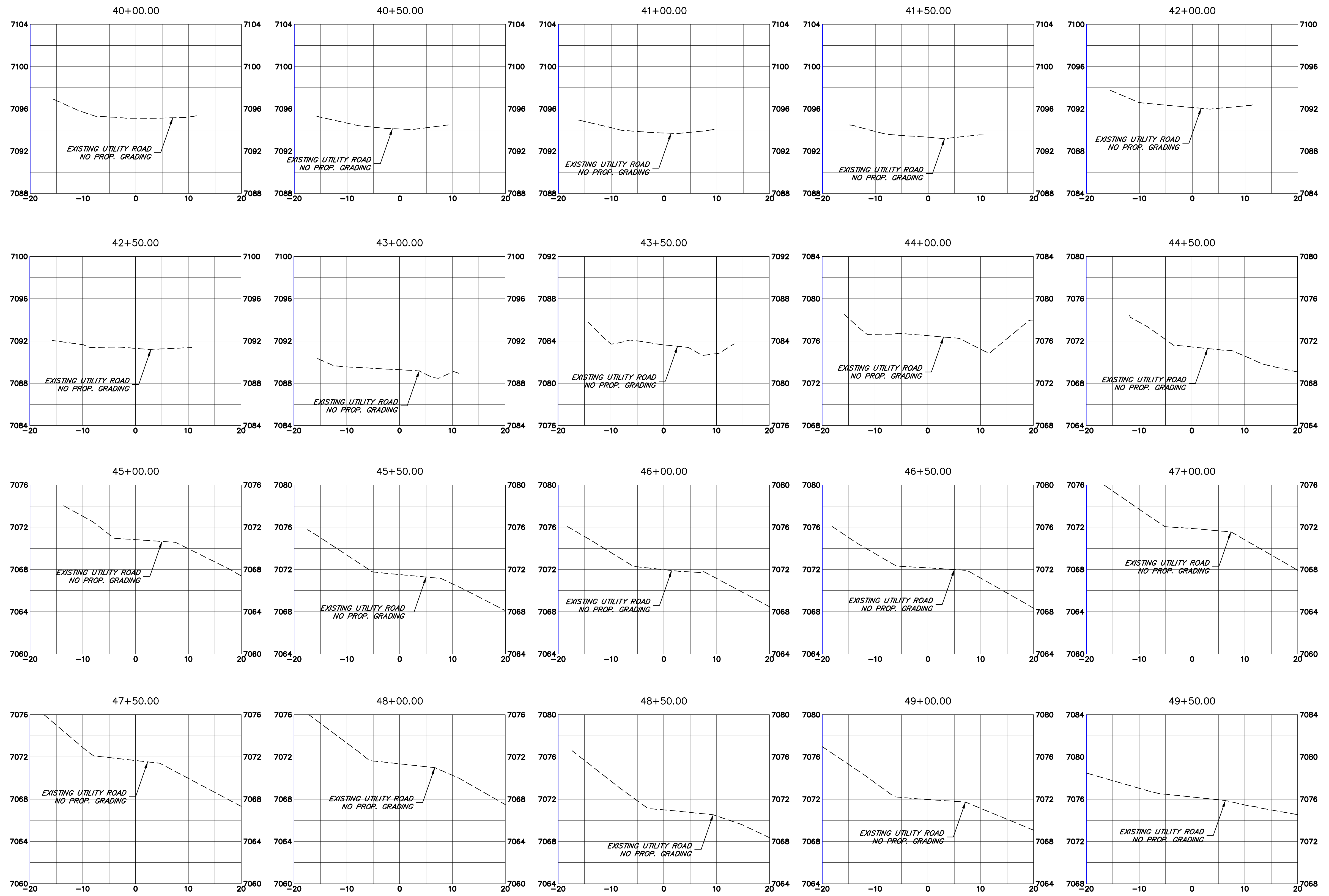
Colorado Department of Transportation
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
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LEWIS PALMER TRAIL
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 Detailer: GG Numbers
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 35 OF 44

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 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

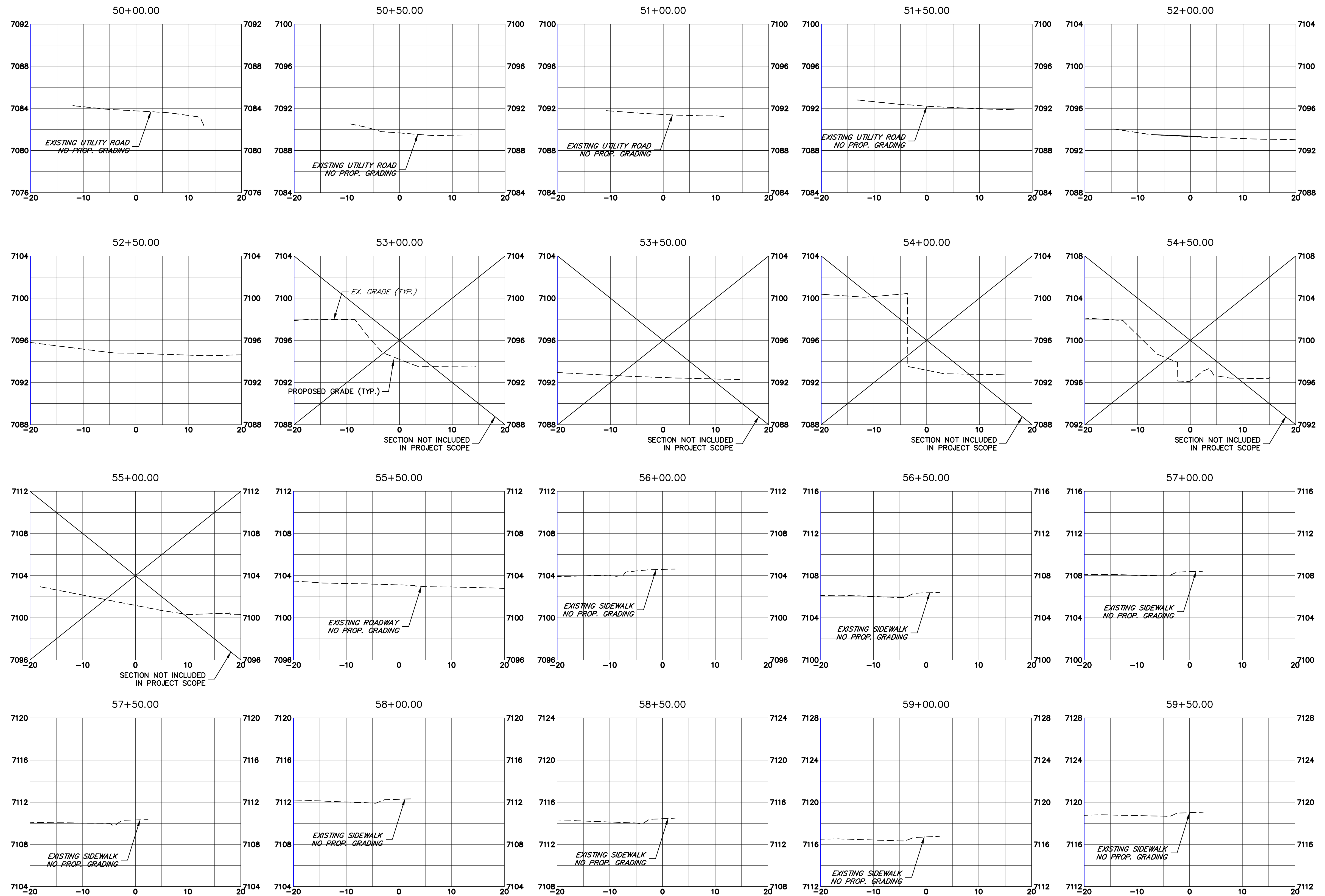
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2


As Constructed
 No Revisions:
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 Void:

LEWIS PALMER TRAIL
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 Designer: GG Structure
 Detailer: GG Numbers
 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 36 OF 44

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 Unit name Unit leader
 **J-R ENGINEERING**
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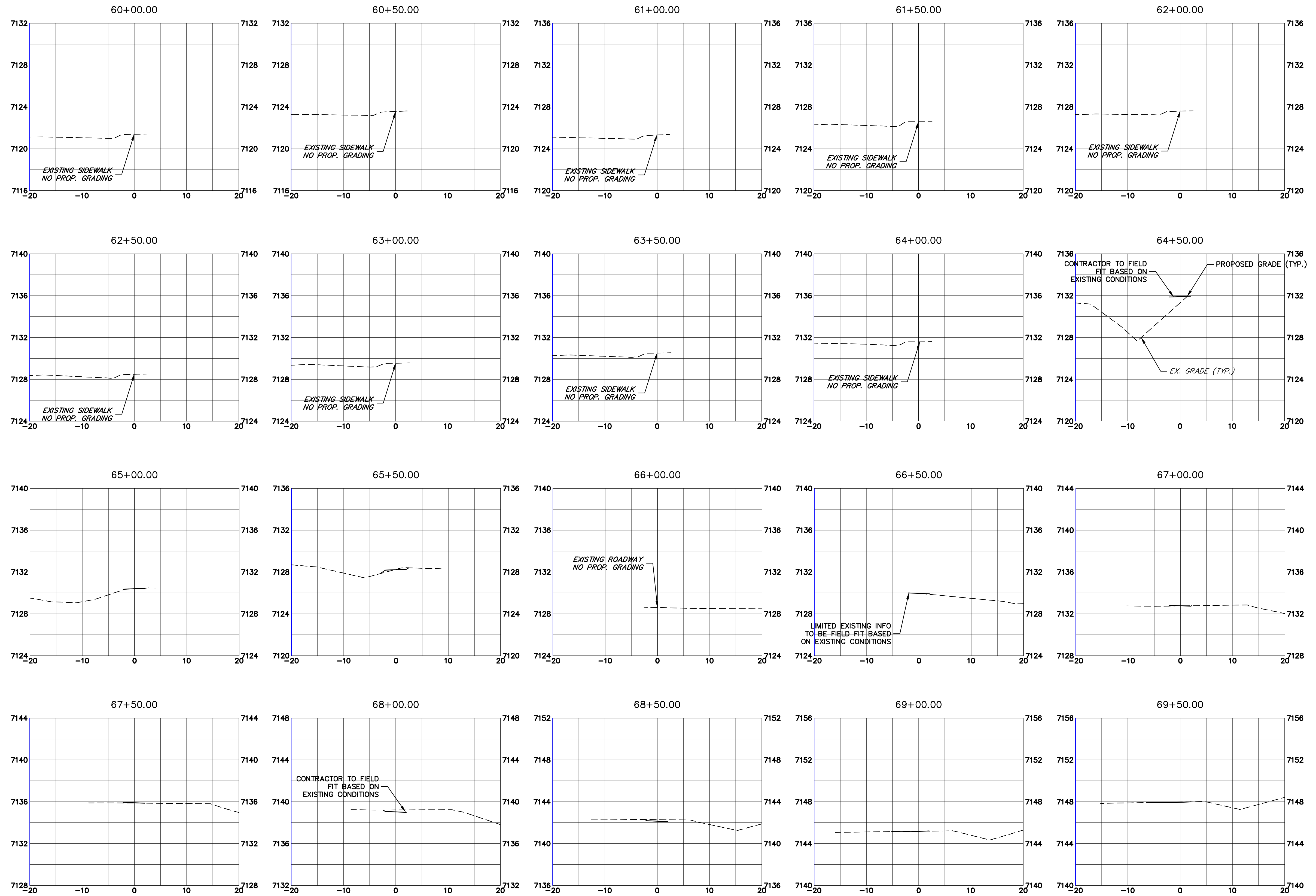
Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
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 Pueblo, CO 81008
 Phone: 719-546-5750
 Lewis Palmer School District 38
 Region 2


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 Void:

LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 37 OF 44



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Print Date: 03/01/2023
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5"
 Unit name Unit leader
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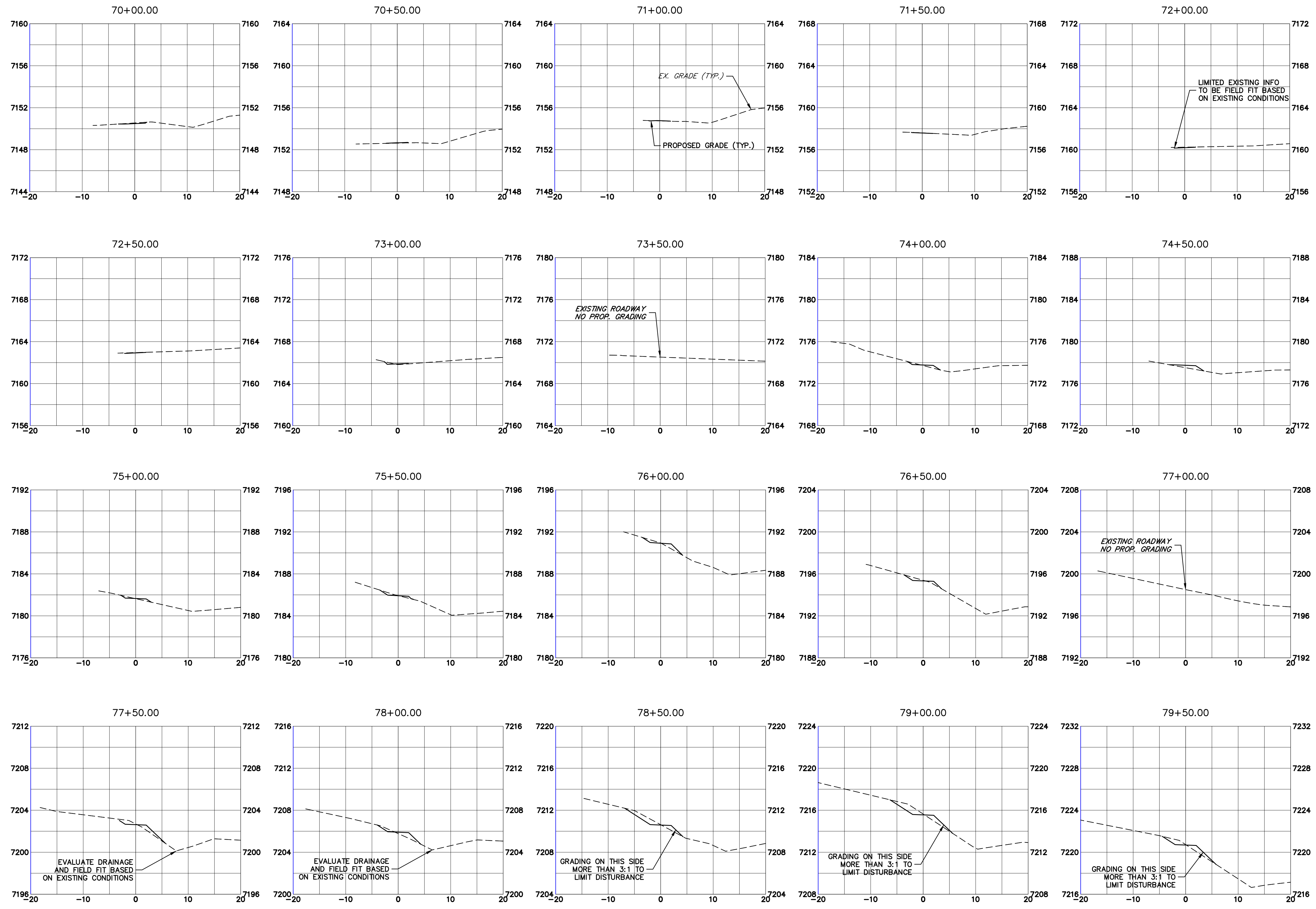
Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2
 Lewis Palmer School District 38

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LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 38 OF 44



Print Date: 03/01/2023
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
J-R ENGINEERING
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Date:	Comments	Init.

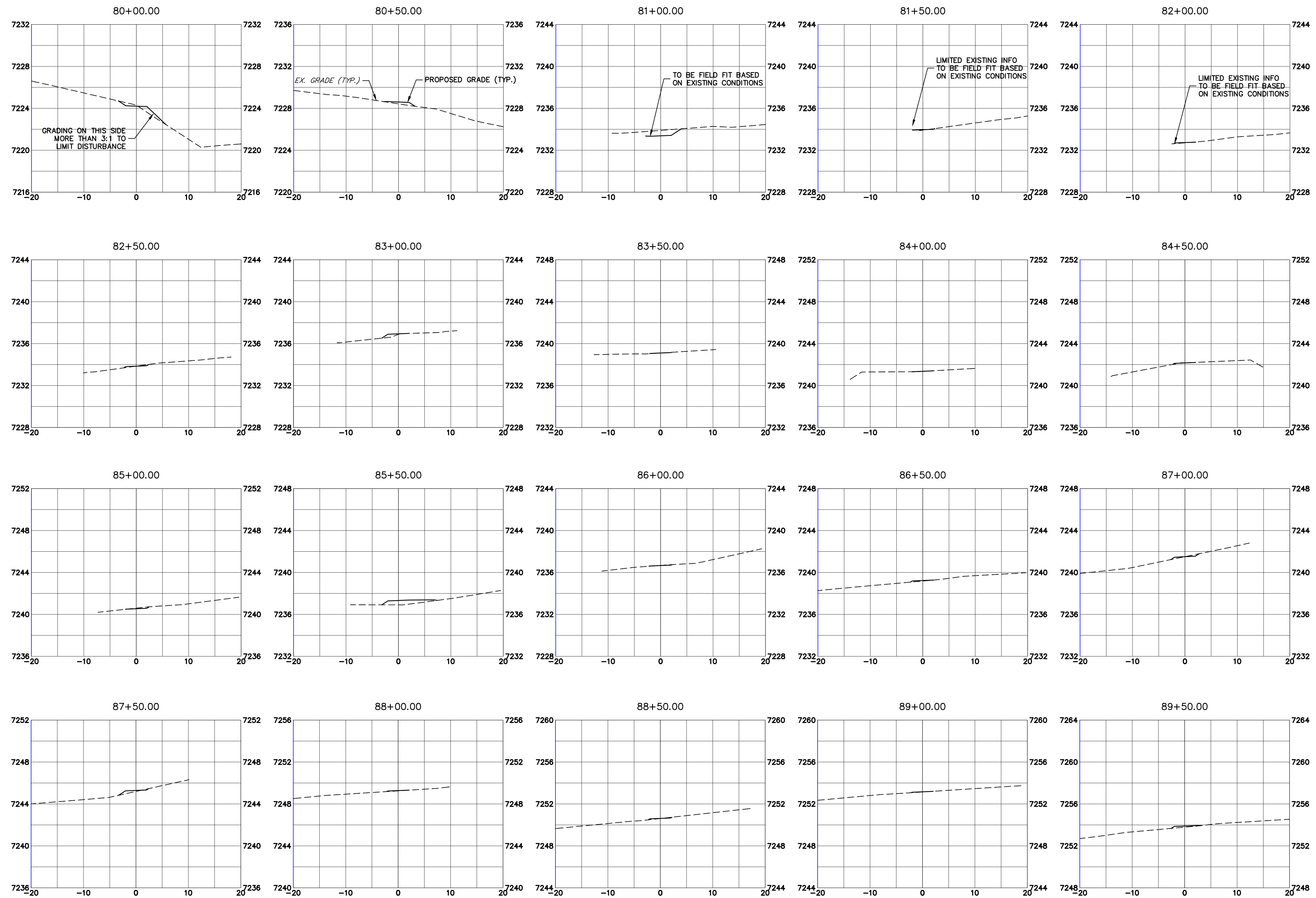
Colorado Department of Transportation
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LEWIS PALMER TRAIL
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 39 OF 44

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Print Date: 03/01/2023
 File Name:
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 Unit name Unit leader
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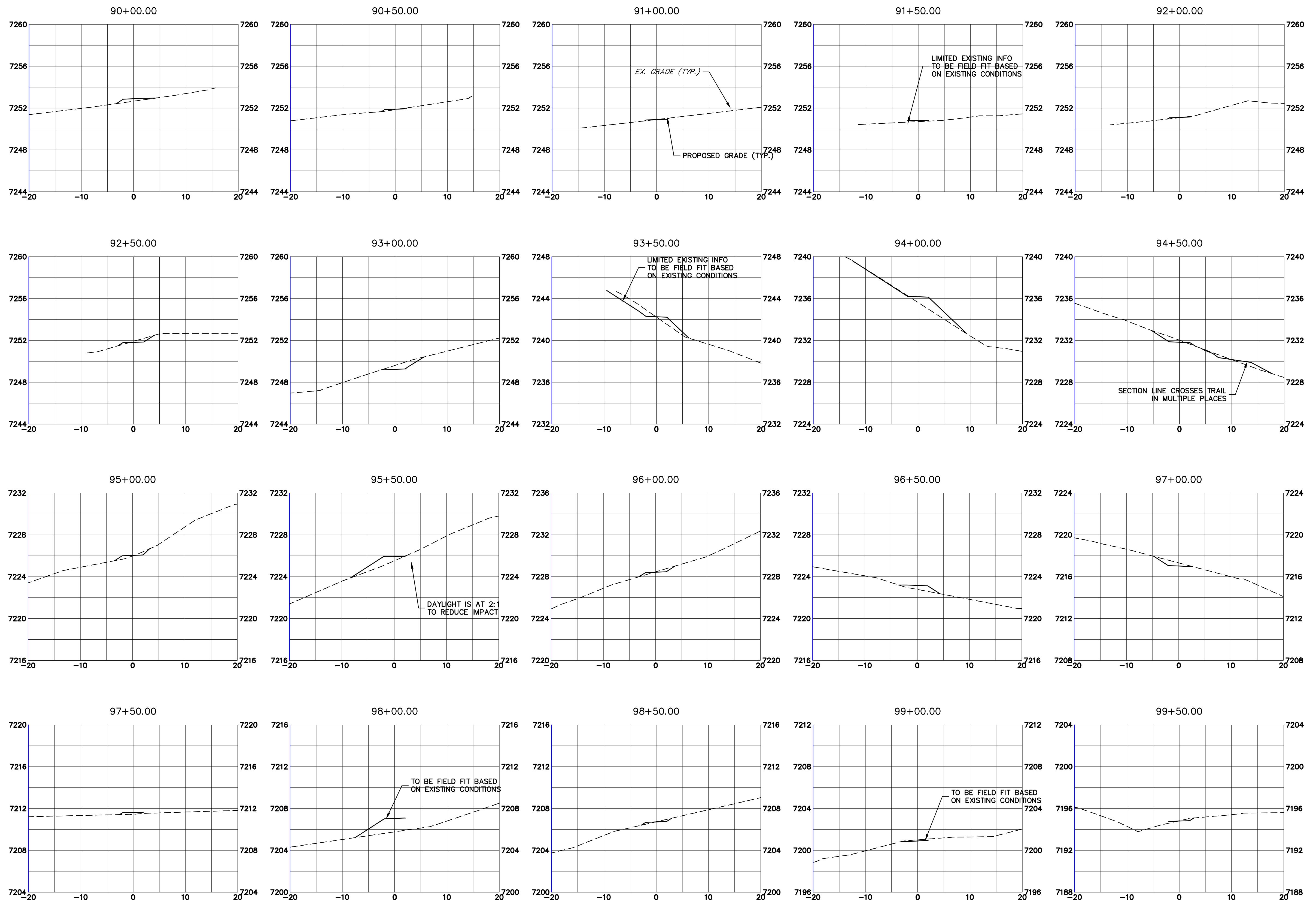
Colorado Department of Transportation
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Lewis Palmer School District 38
 Region 2

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 No Revisions:
 Revised:
 Void:

LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 40 OF 44

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 File Name:
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Colorado Department of Transportation
CDOT
 5615 WILL BLVD.
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 Phone: 719-546-5750
 Region 2

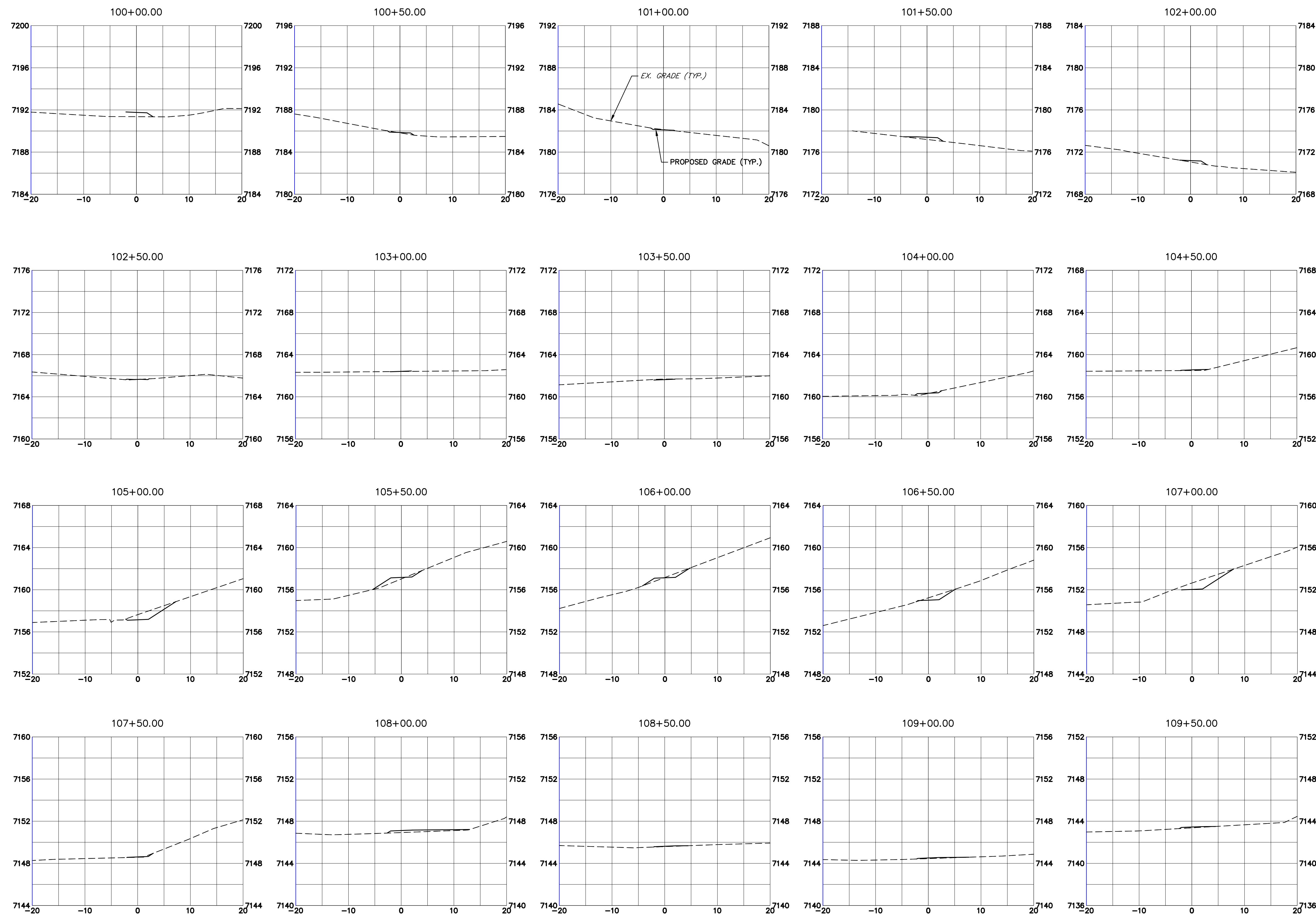
LP
 Lewis Palmer School District 38


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**LEWIS PALMER TRAIL
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 Designer: GG Structure
 Detailer: GG Numbers
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 41 OF 44

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 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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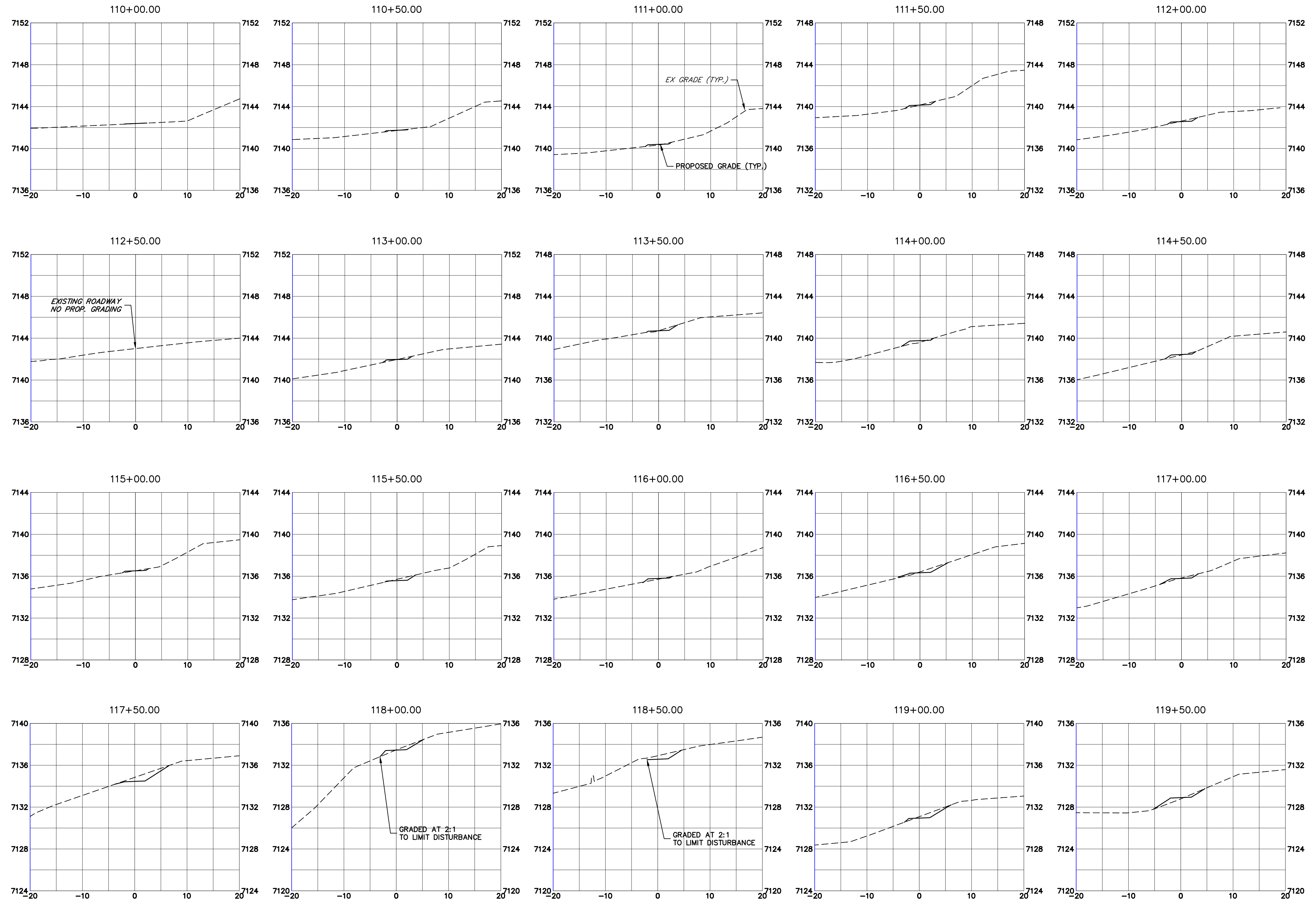
Sheet Revisions		
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 Phone: 719-546-5750
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 Region 2

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LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 42 OF 44



Print Date: 03/01/2023
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
J-R ENGINEERING
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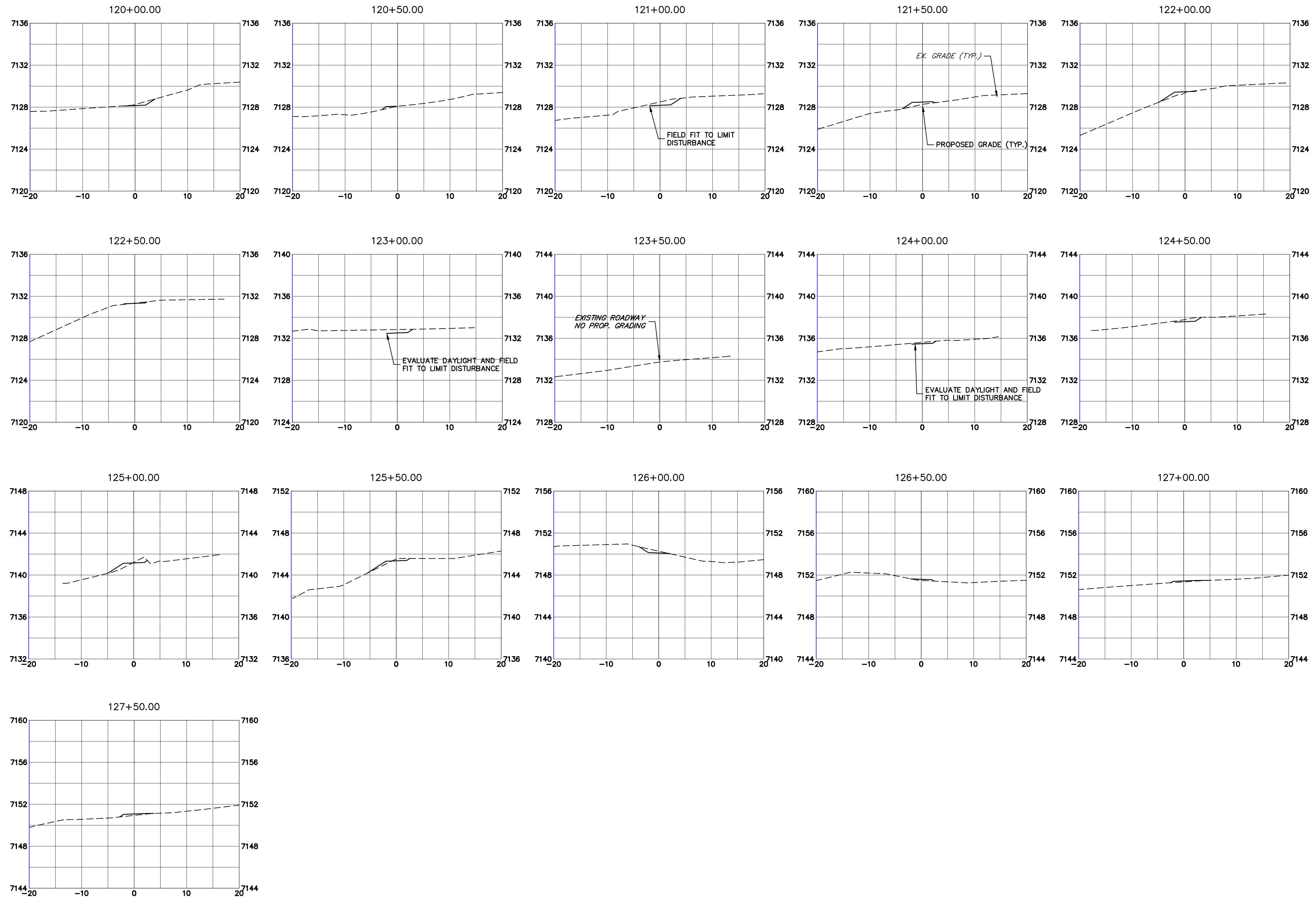
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Date:	Comments	Init.

Colorado Department of Transportation
 5615 WILL BLVD.
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LEWIS PALMER TRAIL
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 Detailer: GG Numbers
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Project No./Code
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LEWIS PALMER TRAIL CROSS SECTION			
Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

Project No./Code
M915-009/22585
2520300
Sheet Number 44 OF 44

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