

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

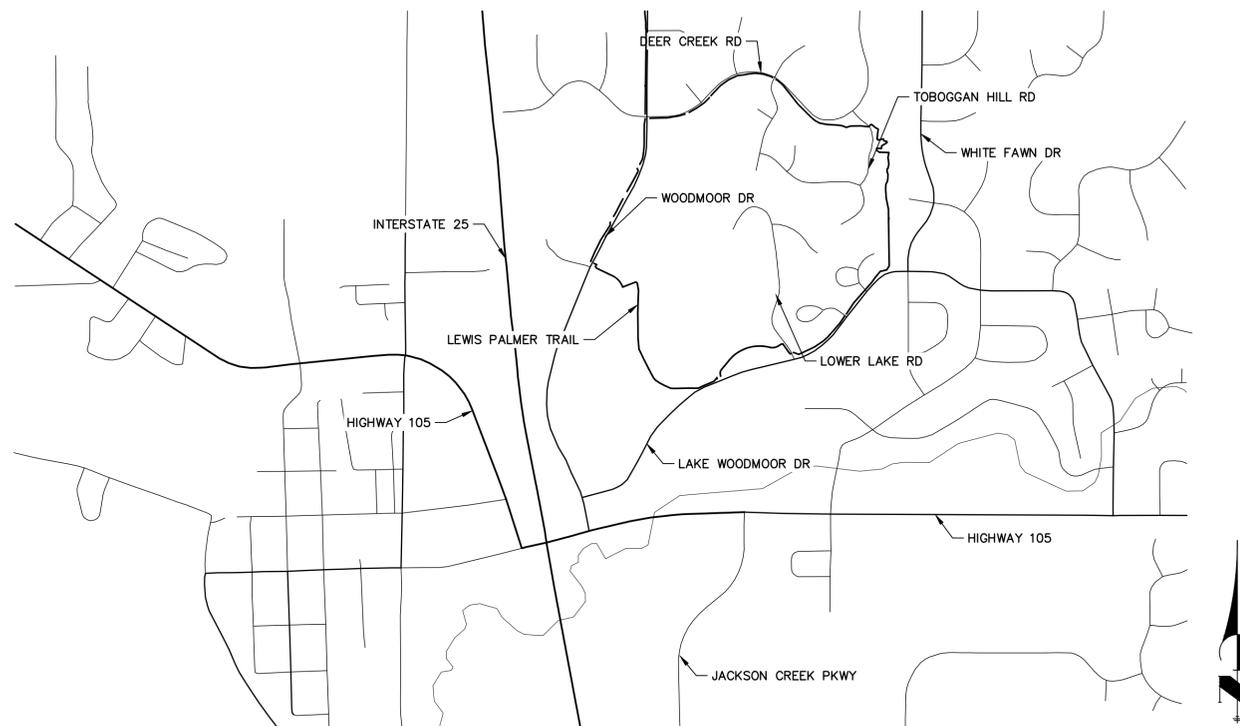
CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. SAR M915-009 LEWIS PALMER TRAIL LEWIS PALMER SCHOOL DISTRICT 38

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 - NOTES
- 8 - SUMMARY OF APPROXIMATE QUANTITIES
- 9 - SURVEY TABULATIONS
- 10-12 - HORIZONTAL CONTROL PLANS
- 13-28 - TRAIL PLAN AND PROFILE
- 29-41 - 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

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: 05/20/2021

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 **LP**

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

Region 2 Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL COVER SHEET		Project No./Code
No Revisions:			M915-009/22585
Revised:	Designer: GG	Structure Numbers	2520300
Void:	Detailer: GG	Subset Sheets: OF	Sheet Number 1 OF 41

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
<input type="checkbox"/> M-412-2	CONCRETE PAVEMENT CRACK REPAIR (4 SHEETS) <i>(NEW, ISSUED ON OCTOBER 7, 2019)</i>	
<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
<input type="checkbox"/> M-601-12	HEADWALLS AND PIPE OUTLET PAVING	49
<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
<input type="checkbox"/> M-603-10	CONCRETE AND METAL END SECTIONS	61
<input type="checkbox"/> M-603-12	TRAVERSABLE END SECTIONS AND SAFETY GRATES (3 SHEETS)	62-64
<input type="checkbox"/> M-604-10	INLET, TYPE C	65
<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
<input type="checkbox"/> M-620-12	FIELD OFFICE CLASS 2	168
<input type="checkbox"/> M-629-1	SURVEY MONUMENTS (2 SHEETS)	169-170

PLAN NUMBER	S STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> S-612-1	DELINEATOR INSTALLATIONS (8 SHEETS)	171-178
<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)	219-223
<input type="checkbox"/> S-614-40A	ALTERNATIVE TRAFFIC SIGNAL 25'-55' SINGLE MAST ARMS (4 SHEETS)	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 FEBRUARY 16, 2021)</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 March 7, 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.

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: 05/20/2021	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	No Revisions:	Designer: GG Structure Detailer: GG Numbers			M915-009/22585
Horiz. Scale: N/A	Vert. Scale: N/A				Revised:				2520300
Unit name	Unit leader				Void:	Sheet Subset:	Subset Sheets:	OF	Sheet Number 2 OF 41
J-R ENGINEERING A Westrian Company Centennial 303-740-9393 • Colorado Springs 719-593-2583 Fort Collins 970-491-9888 • www.jrengineering.com					Lewis Palmer School District 38				

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

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COLORADO P.E. 38861
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Print Date: 05/20/2021

File Name:

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

Unit name Unit leader

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Date:	Comments	Init.

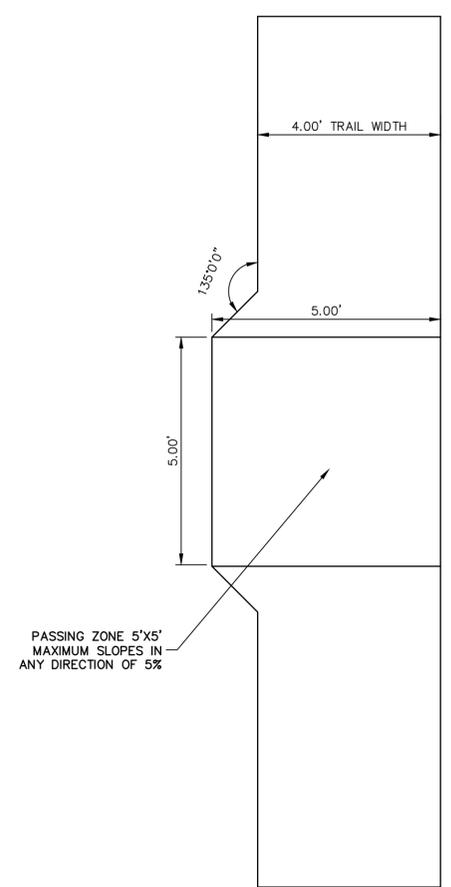
Colorado Department of Transportation

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

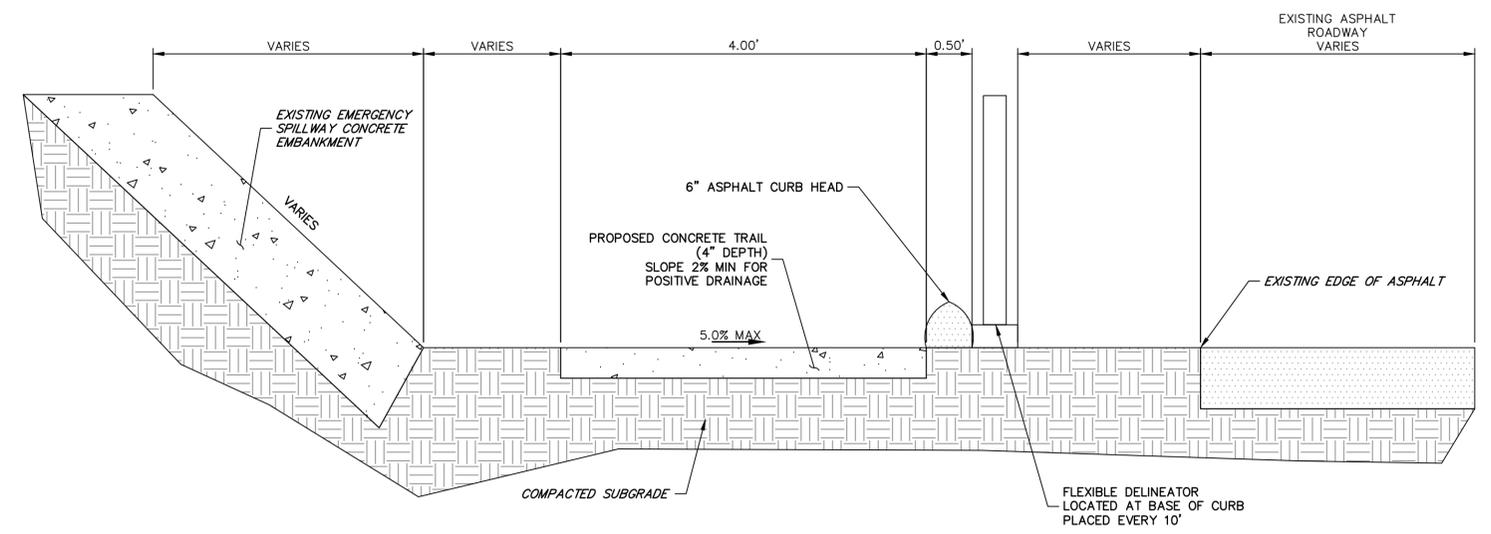
Region 2

Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL LEGEND				Project No./Code
No Revisions:	Designer:	GG	Structure		M915-009/22585
Revised:	Detailer:	GG	Numbers		2520300
Void:	Sheet Subset:		Subset Sheets:	OF	Sheet Number 3 OF 41

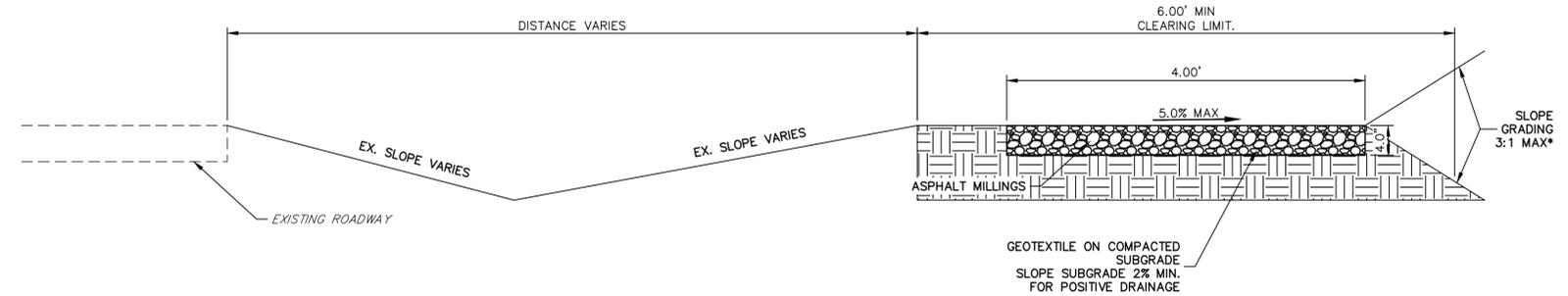
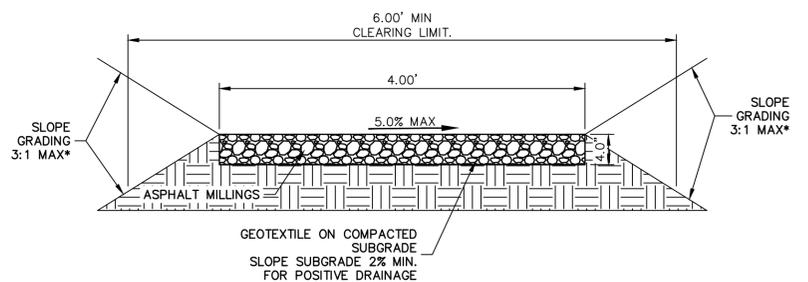


PASSING ZONE
SCALE: NOT TO SCALE



SPILLWAY TYPICAL SECTION

- NOTES:
 1. CONCRETE TRAIL BEGINS AT STA: 52+84.41 AND ENDS AT STA: 55+32.09
 2. ASPHALT CURB HEAD SECTION 1 BEGINS AT STA: 52+84.41 AND ENDS AT STA: 53+39.37
 3. ASPHALT CURB HEAD SECTION 2 BEGINS AT STA: 53+84.79 AND ENDS AT STA: 55+00.00



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



ENGINEER'S STATEMENT

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 COLORADO P.E. 38861
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 Horiz. Scale: 1"=XX' Vert. Scale:
 Unit name Unit leader
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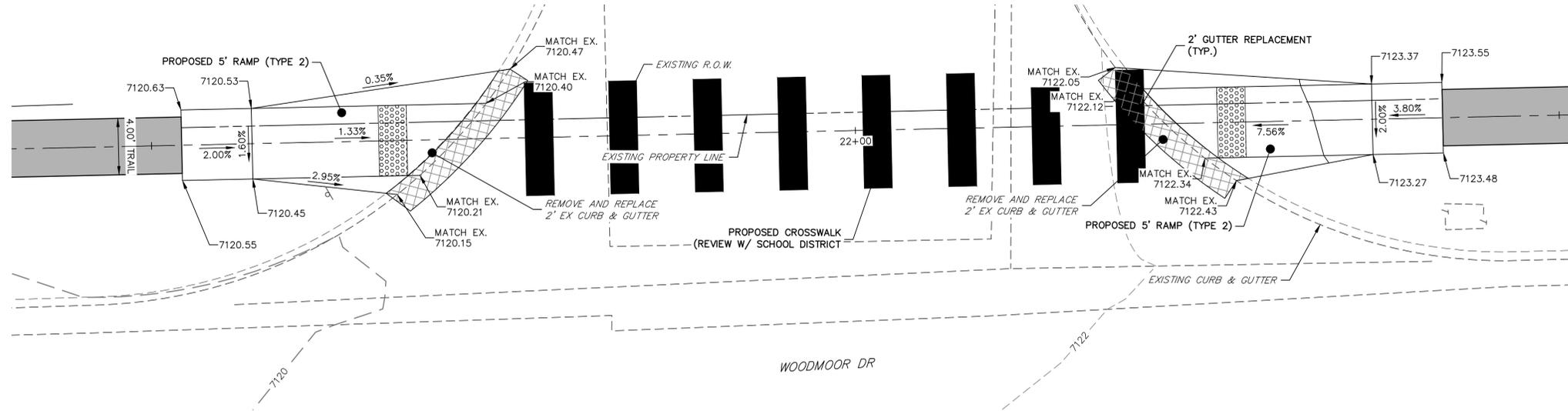
Sheet Revisions		
Date:	Comments	Init.

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

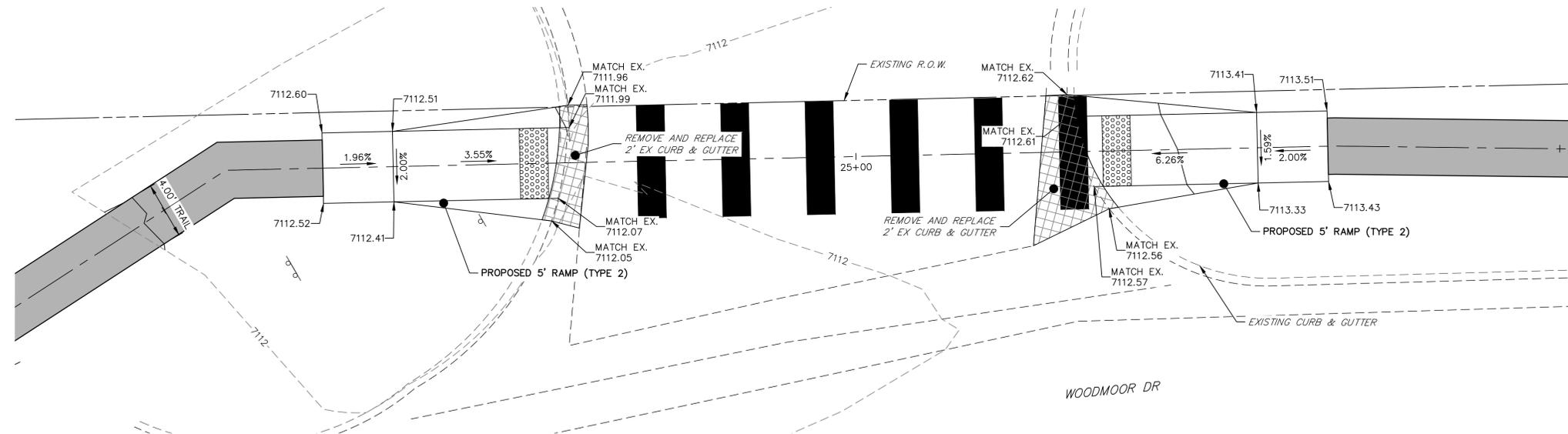
As Constructed
No Revisions:
Revised:
Void:

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

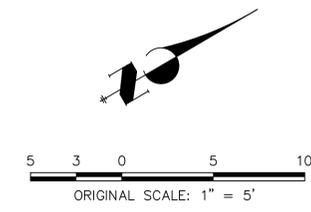
Project No./Code	M915-009/22585
	2520300
Sheet Number	4 OF 41



RAMP DETAIL
STA: 21+48.48 TO 22+59.95



RAMP DETAIL
STA: 24+48.28 TO 25+62.62



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: 05/20/2021

File Name:

Horiz. Scale: 1"=5' Vert. Scale: N/A

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Lewis Palmer School District 38

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No Revisions:
Revised:
Void:

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

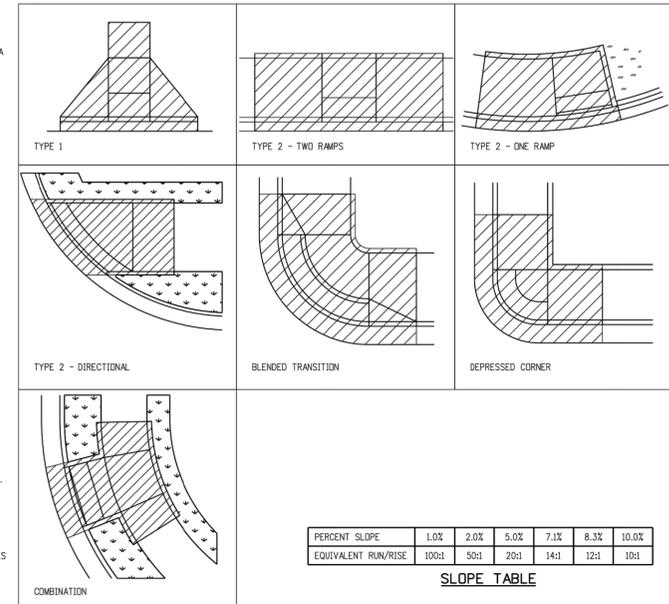
Project No./Code	M915-009/22585
	2520300
Sheet Number	5 OF 41

CURB RAMP GENERAL NOTES:

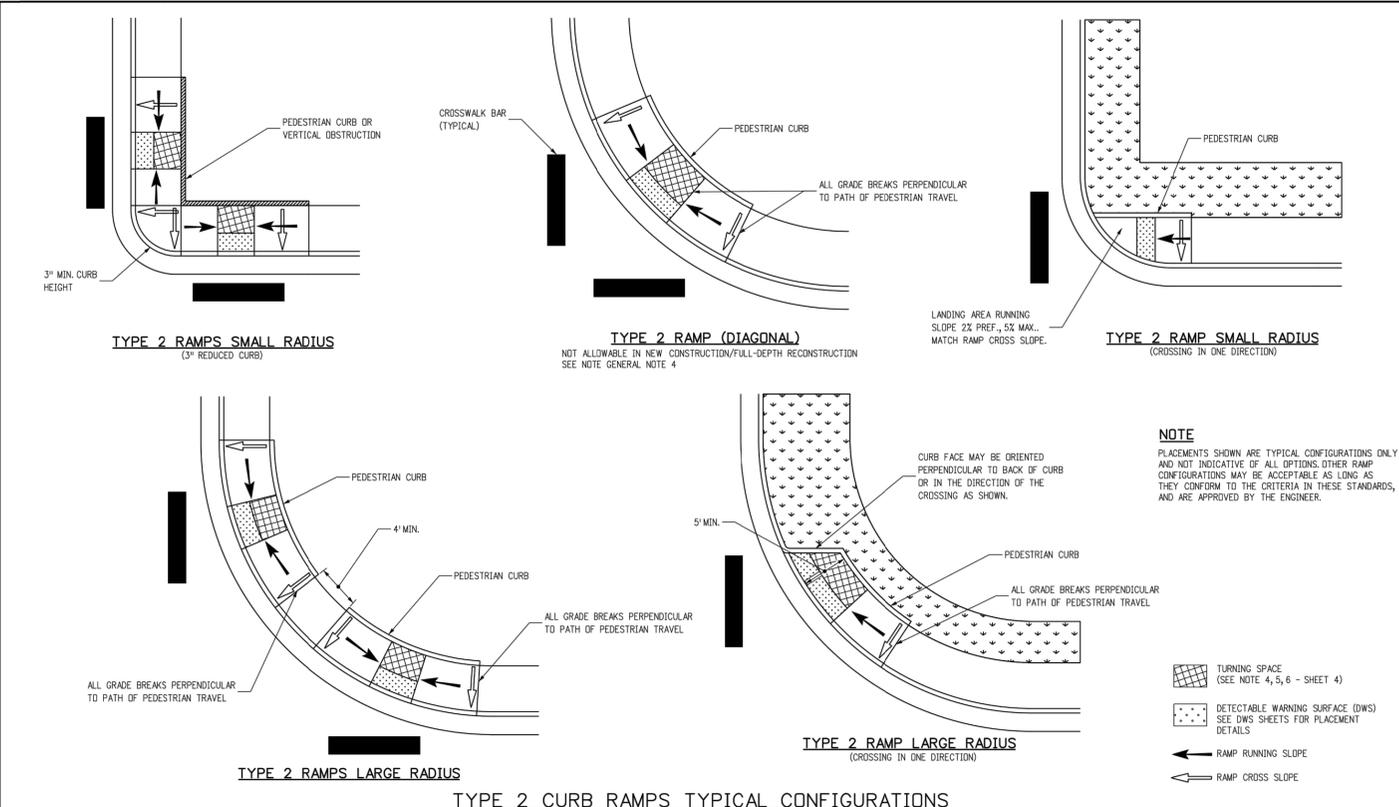
- 1 IN NEW CONSTRUCTION OR FULL-DEPTH RECONSTRUCTION, PROVIDE A SEPARATE CURB RAMP FOR EACH MARKED OR UNMARKED PEDESTRIAN STREET CROSSING. CURB RAMPS SHALL BE CONTAINED WHOLLY WITHIN THE WIDTH OF THE PEDESTRIAN STREET CROSSING OR CROSSWALK THEY SERVE, OR AS SHOWN ON THE CONTRACT PLANS.
- 2 ALTERATIONS 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 RAMPS ARE 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 RAMPS 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 6:0-9:0%

- 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



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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Print Date: 05/20/2021

File Name: _____

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

Unit name _____ Unit leader _____

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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LP
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As Constructed	LEWIS PALMER TRAIL RAMP DETAILS	Project No./Code
No Revisions:		M915-009/22585
Revised:		2520300
Void:		Sheet Number 6 OF 41
Designer: GG	Structure Numbers	OF
Detailer: GG	Sheet Subset:	Subset Sheets:

811
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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

DATE: 04/20/22

PROFESSIONAL ENGINEER

CONSTRUCTION:

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

EARTHWORK:

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

DRAINAGE/STORM SEWER NOTES:

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

BUY AMERICA:

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

PERMITS:

STORMWATER CONSTRUCTION PERMIT

IT IS ANTICIPATED THAT A CDPS STORMWATER CONSTRUCTION PERMIT (SCP) WILL BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF SECTIONS 101, 107, AND 208 OF THE 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

EL PASO COUNTY RIGHT OF WAY PERMIT

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

UTILITIES:

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

SIGNING, STRIPING, TRAFFIC CONTROL NOTES:

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



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COLORADO P.E. 38861
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Print Date: 05/20/2021	Sheet Revisions			Colorado Department of Transportation	As Constructed	LEWIS PALMER TRAIL			Project No./Code	
File Name:	Date:	Comments	Init.			No Revisions:	NOTES			M915-009/22585
Horiz. Scale: N/A				 5615 WILL BLVD. Pueblo, CO 81008 Phone: 719-546-5750 Region 2	 Lewis Palmer School District 38	Revised:	Designer:	GG	Structure	2520300
Unit name						Void:	Detailer:	GG	Numbers	
Unit leader						Sheet Subset:	Subset Sheets:	OF	Sheet Number 7 OF 41	

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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	
608-00000	Concrete Sidewalk	SY	100	
608-00010	Concrete Curb Ramp	SY	60	
608-00015	Detectable Warnings	SF	40	
608-01550	Place Asphalt Millings	SY	4,150	
609-71000	Curb (Special)	LF	170	
612-00039	Delineator (Flexible) (Surface Mounted)	EACH	20	
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	



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Print Date: 05/20/2021

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

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Colorado Department of Transportation

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

Region 2 Lewis Palmer School District 38

As Constructed	LEWIS PALMER TRAIL		Project No./Code
No Revisions:	SUMMARY OF APPROXIMATE QUANTITIES		M915-009/22585
Revised:	Designer: GG	Structure Numbers	2520300
Void:	Detailer: GG	Subset Sheets: OF	Sheet Number 8 OF 41
	Sheet Subset:		

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 Major Reconstruction

Signalization New Roadway Construction

Safety Improvement Bridge Replacement

Asphalt Overlay Bridge Widening

Concrete Overlay New Bridge

Minor Widening 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
	Y	N	Y	N
	-	-	-	-
	-	-	-	-
	-	-	-	-

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

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

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

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

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

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

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

Minor Structures

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

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

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

Fencing (Section 607)

- Temporary
- Permanent
- Sound Barrier
- Other: _____

Delineators (Section 612)

- Temporary
- Permanent

Lighting (Section 613) and Traffic Control Devices (Permanent) (Section 614)

- Signal pole locations and elevations
- Light pole locations and elevations
- Sign locations
- Field verify sign post locations, elevations, and lengths before fabrication.
- Other: _____

Pavement Marking (Section 627)

- Striping (Temp)
- Striping (Perm)
- Symbols
- Other: _____

Temporary Lighting and Construction Traffic Control Devices (Section 630)

- Signal pole locations and elevations (Temp)
- Light pole locations and elevations (Temp)
- Sign Locations (Temp)
- Other: _____

All Easements (Temp Staking by P.L.S. Only)

Right of Way (Temp Staking by P.L.S. Only)

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

Monumentation (Section 629)

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

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

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

GENERAL NOTES:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. The Contractor's surveyor shall perform all field surveying and calculations necessary to tie plan grades into field grades.
8. The Contractor shall coordinate construction staking on the project with any utility work.
9. 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.
10. 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): _____
11. The Contractor's surveyor shall submit the following (prior to surveying on the project) to the Engineer:
 - All required Instrument Calibrations

Print Date: 05/20/2021

File Name: _____

Horiz. Scale: 1"=XX'

Vert. Scale: _____

Unit name _____

Unit leader _____



Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation



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Region 2



Lewis Palmer School District 38

As Constructed

No Revisions:

Revised:

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LEWIS PALMER TRAIL SURVEY TABULATIONS

Designer: GG
Detailer: GG
Structure Numbers
Sheet Subset: _____

Subset Sheets: _____

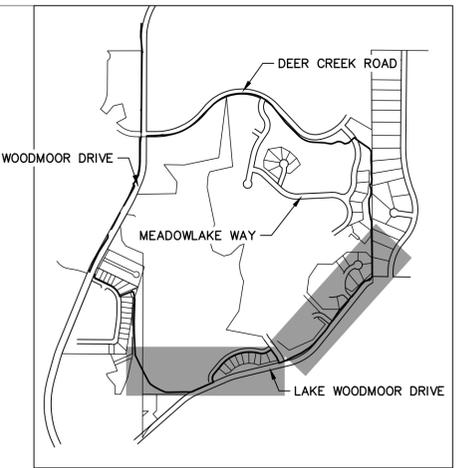
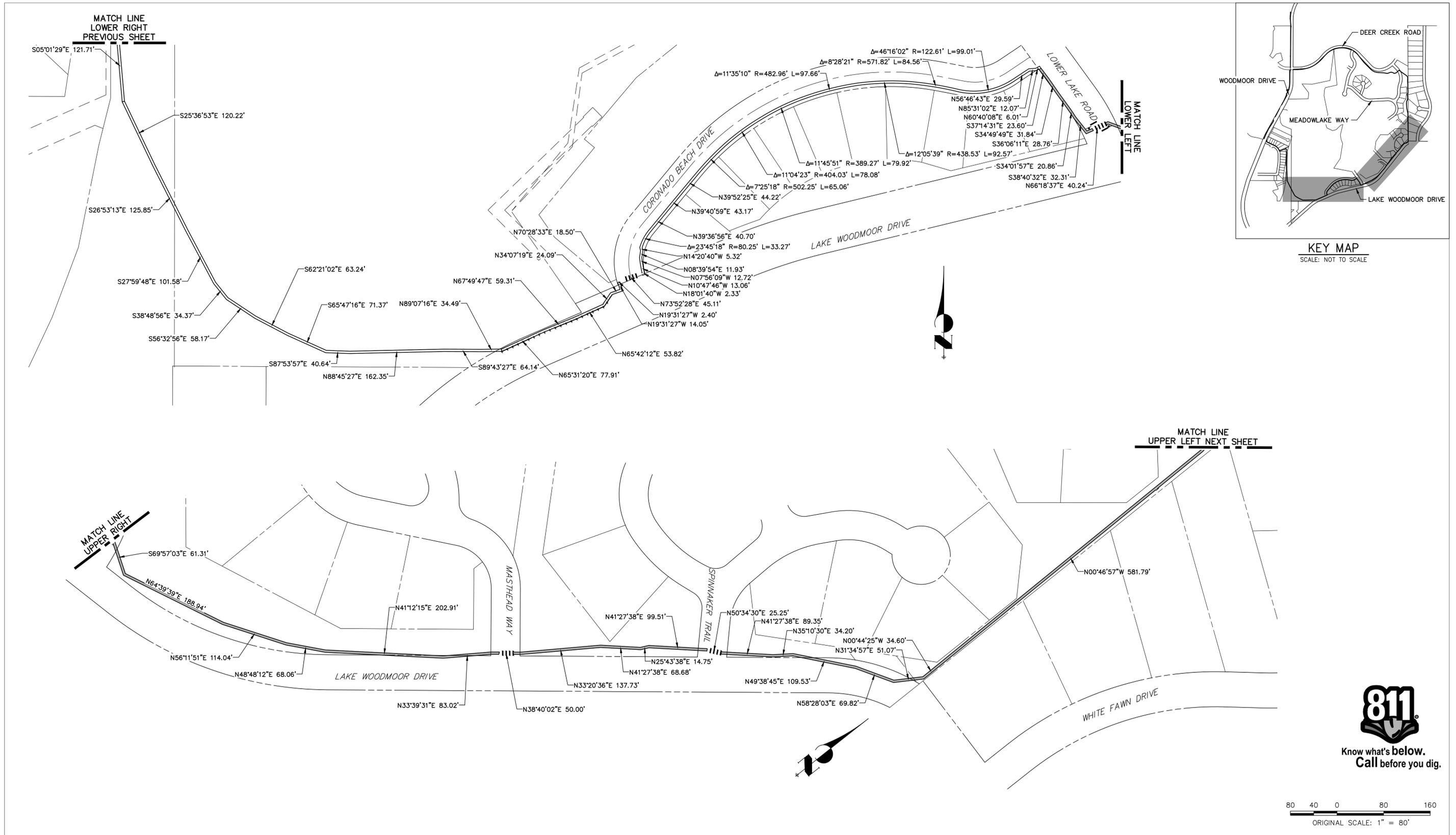
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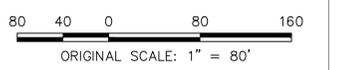
Sheet Number 9 OF 41



KEY MAP
SCALE: NOT TO SCALE



Know what's below.
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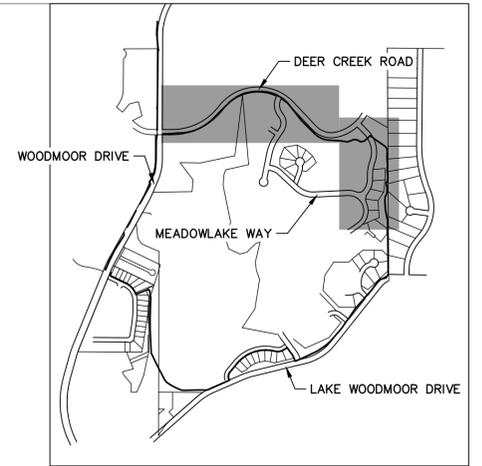
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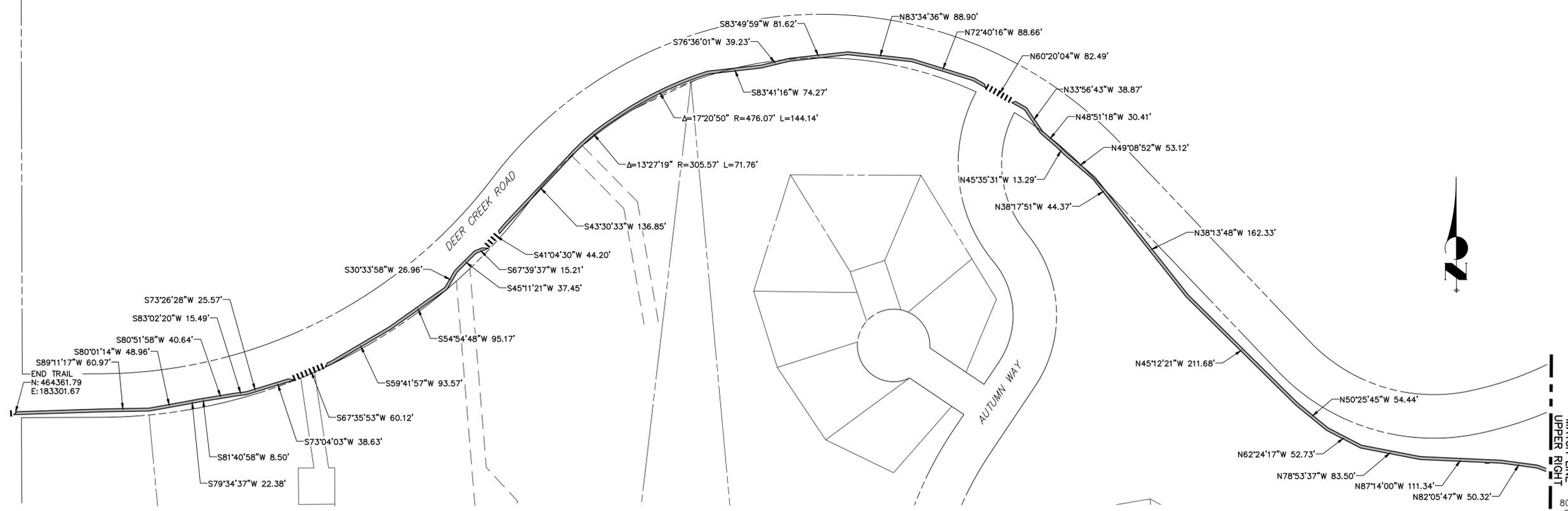
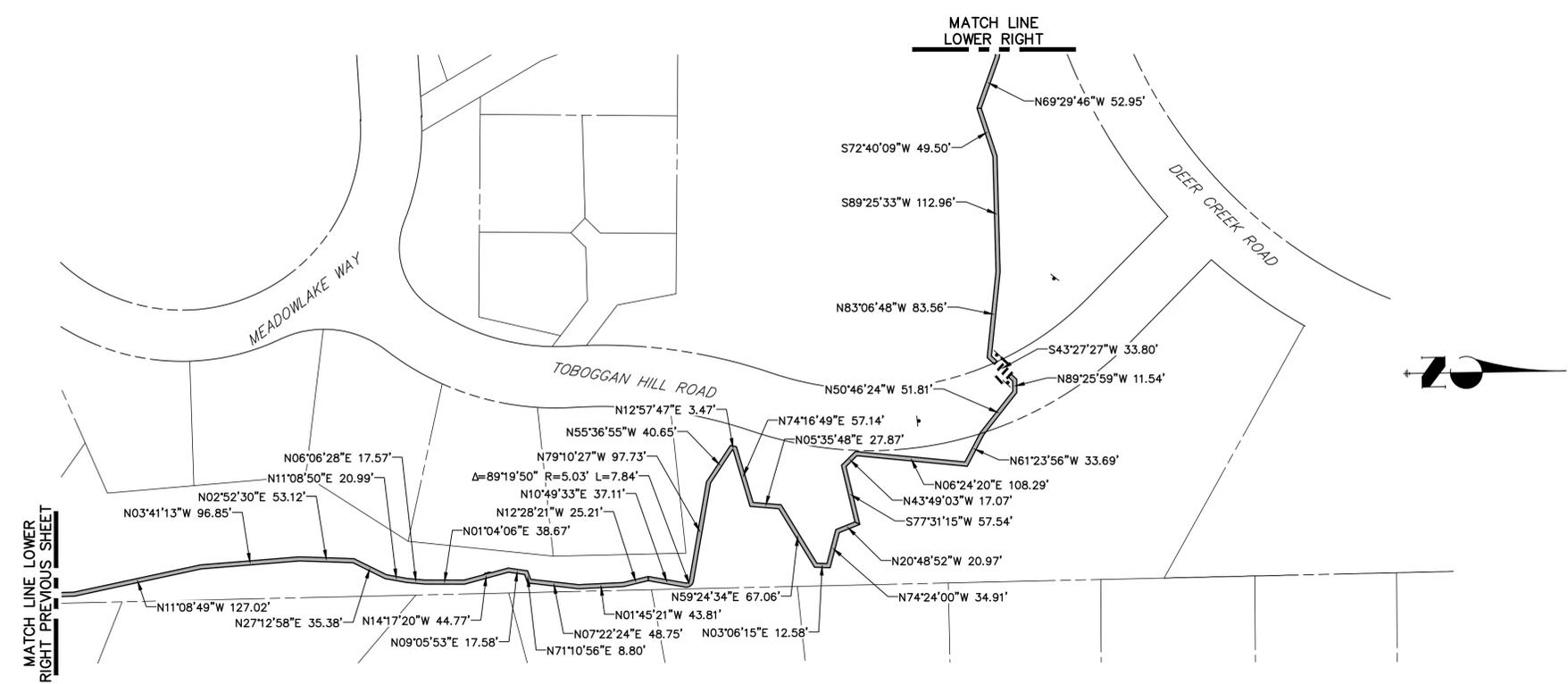
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 No Revisions:
 Revised:
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LEWIS PALMER TRAIL HORIZONTAL CONTROL			
Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

Project No./Code
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 Sheet Number 11 OF 41



KEY MAP
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ORIGINAL SCALE: 1" = 80'

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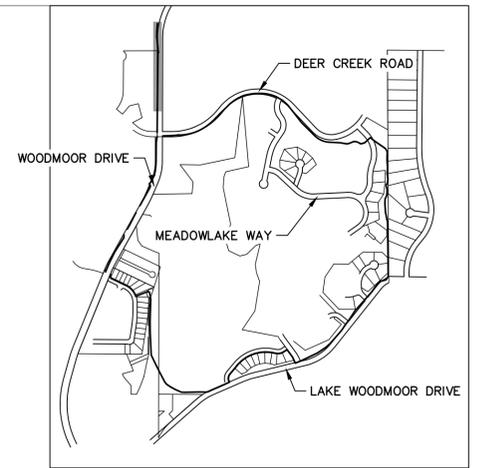
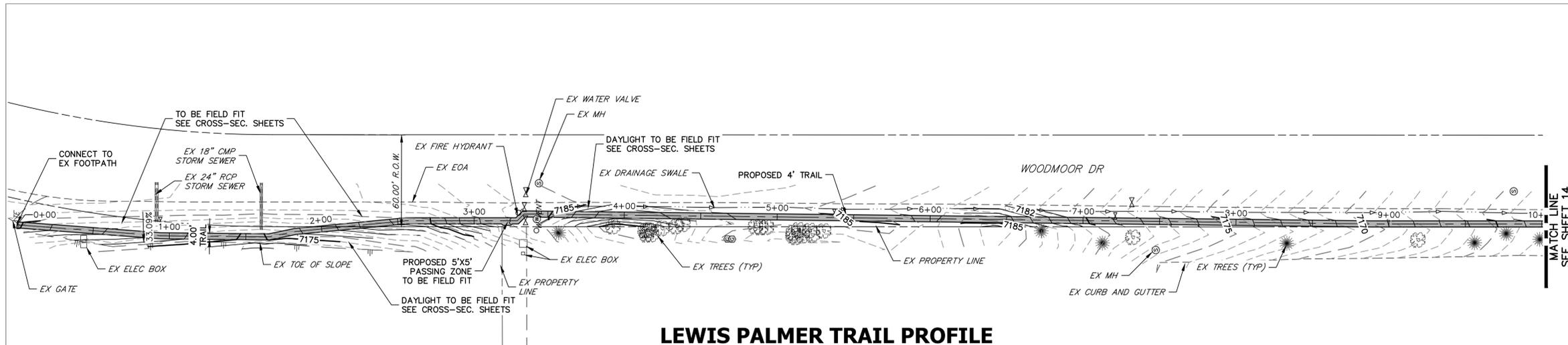
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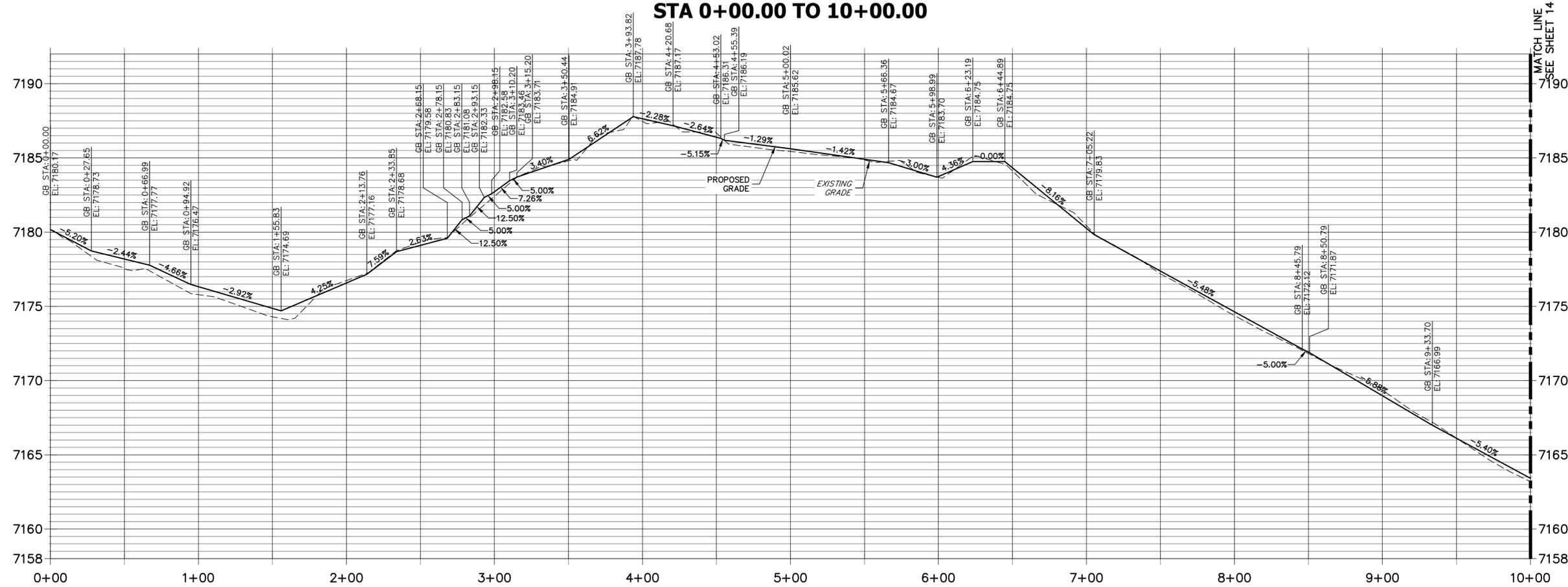
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Sheet Number 12 OF 41

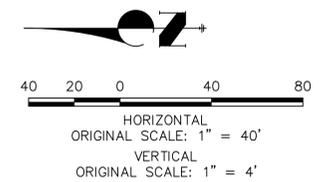


KEY MAP
SCALE: NOT TO SCALE

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



NOTE:
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



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Unit name Unit leader
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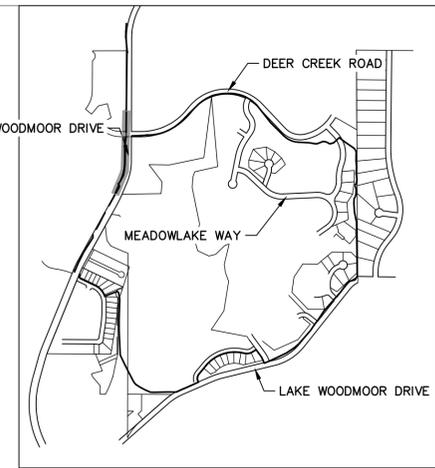
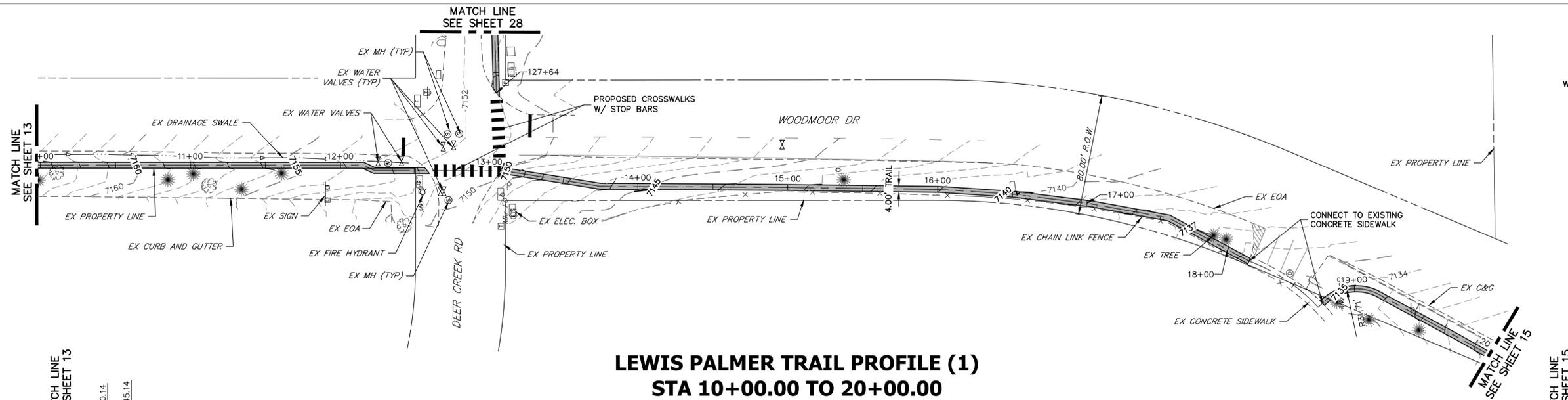
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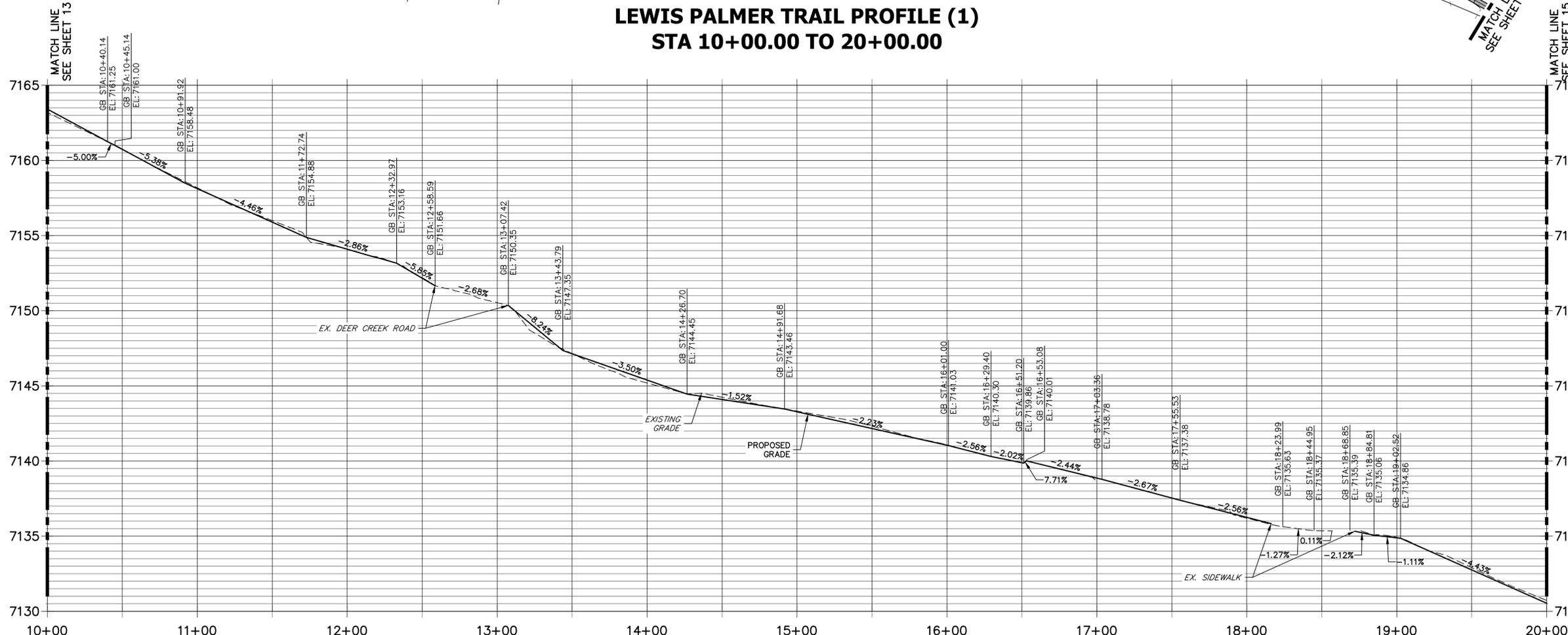
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Detailer:	GG		
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Sheet Number	13 OF 41

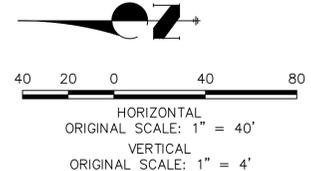


KEY MAP
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LEWIS PALMER TRAIL PROFILE (1)
STA 10+00.00 TO 20+00.00



NOTE:
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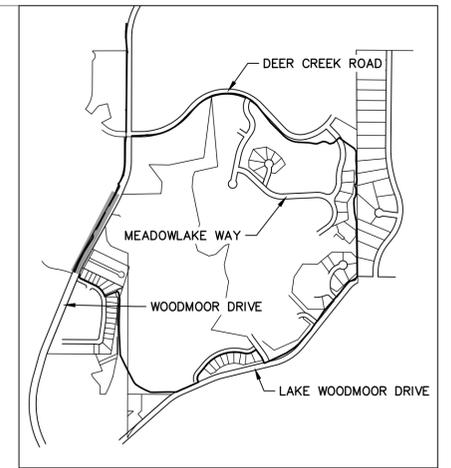
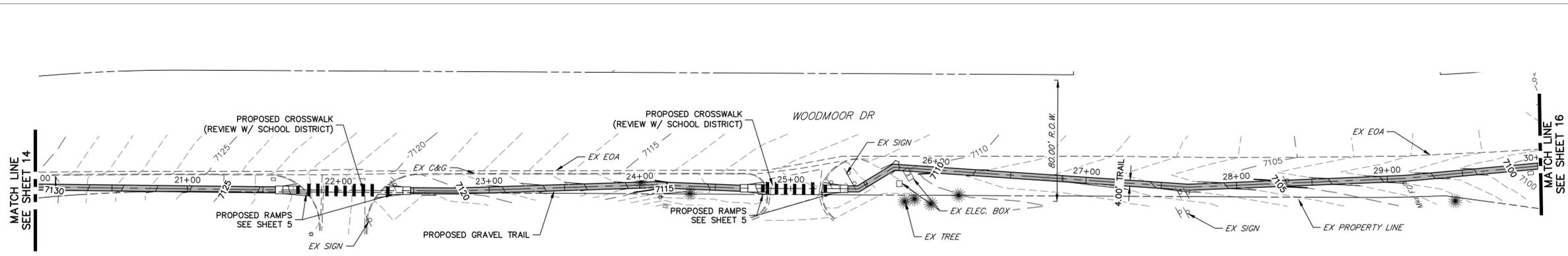
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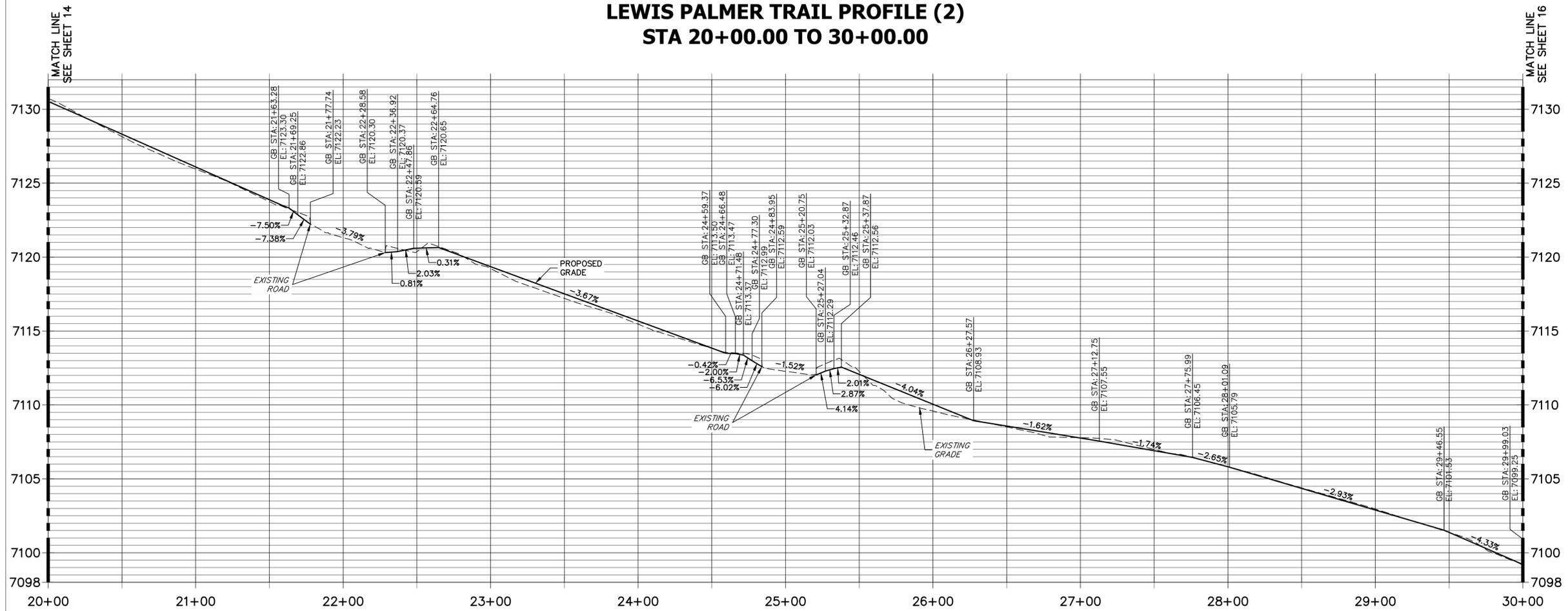
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Designer: GG
Detailer: GG
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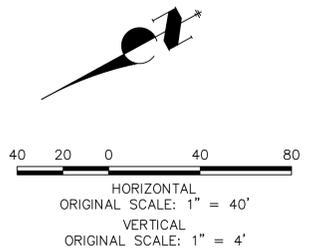
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Sheet Number 14 OF 41



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



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 Unit name Unit leader
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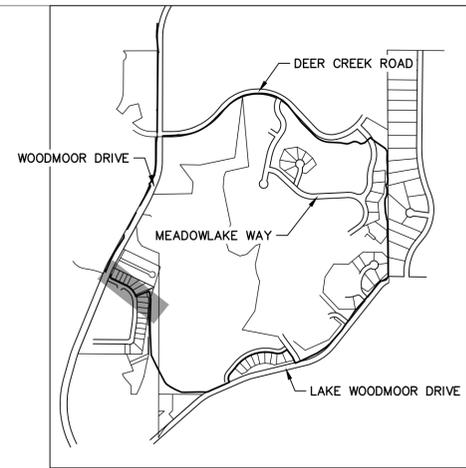
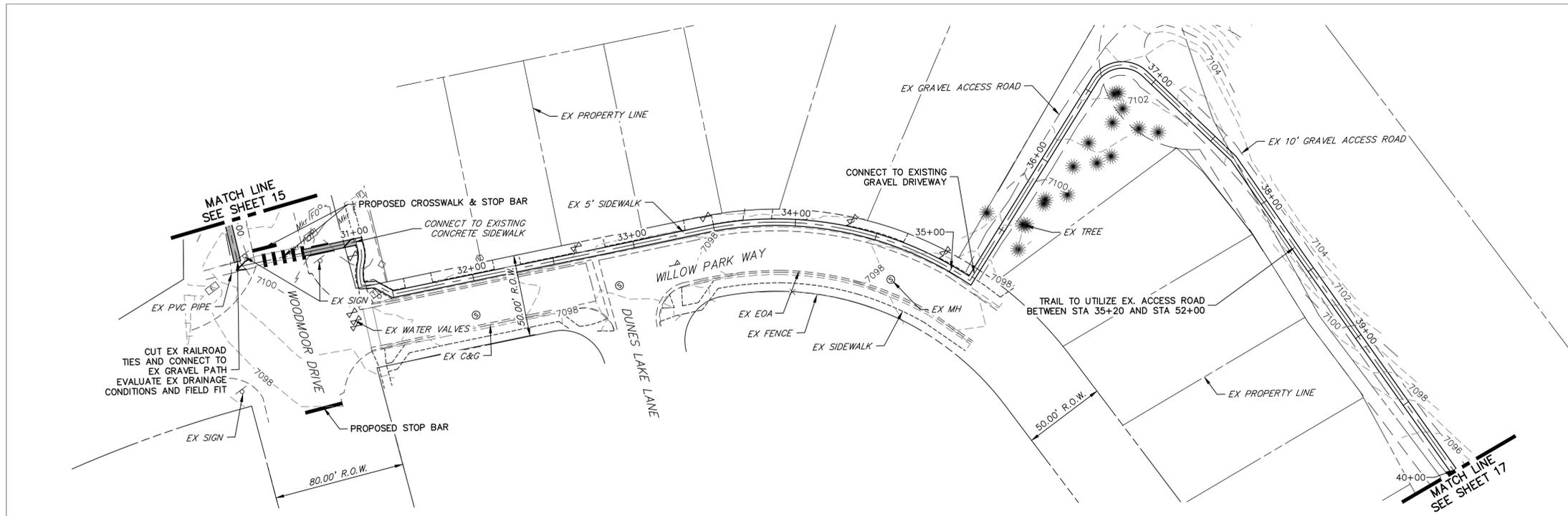
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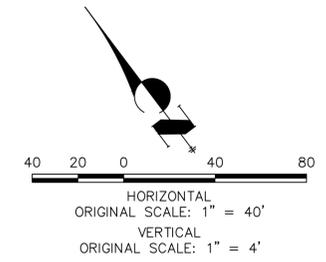
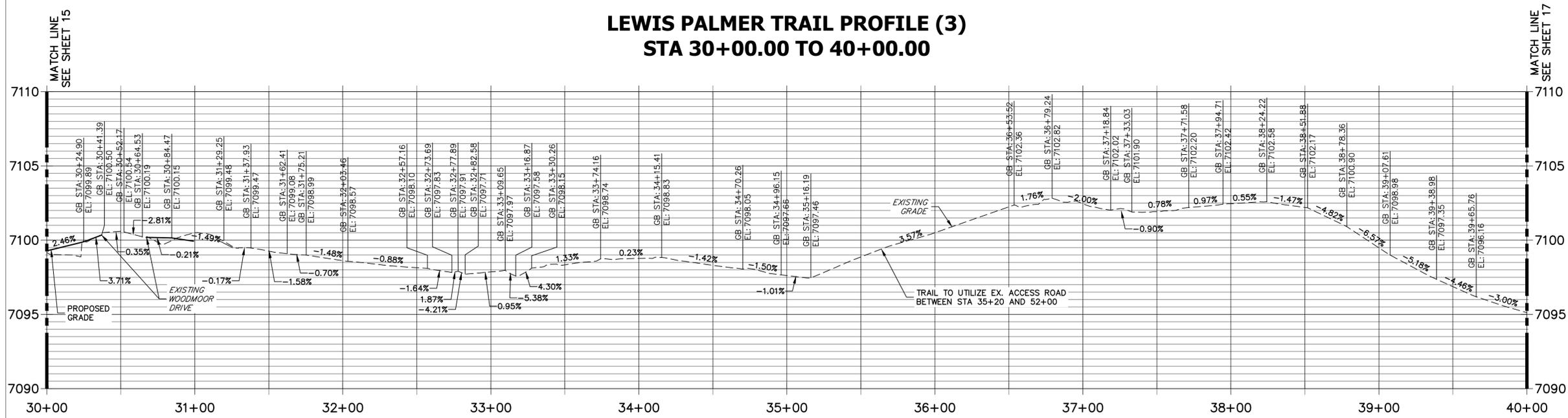
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	2520300
Sheet Number	15 OF 41



KEY MAP
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NOTE:
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.

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



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Unit name Unit leader
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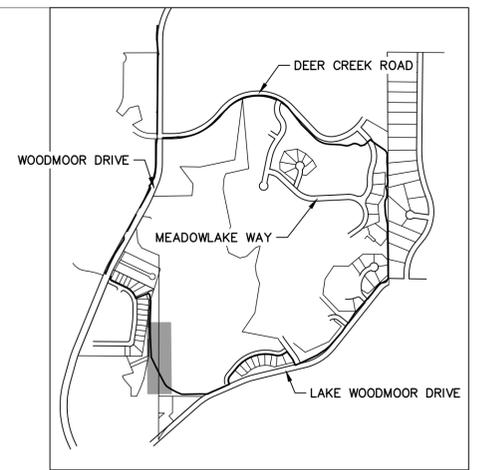
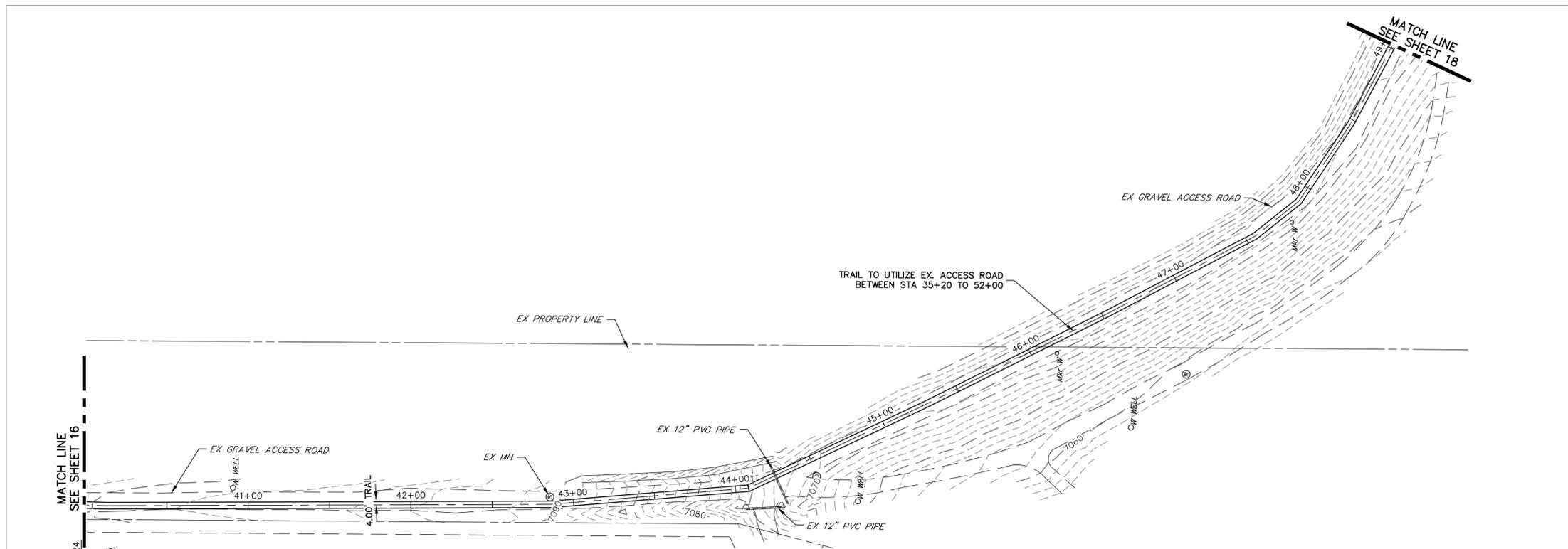
Sheet Revisions		
Date:	Comments	Init.

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LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
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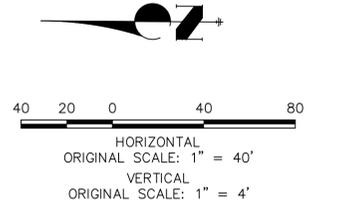
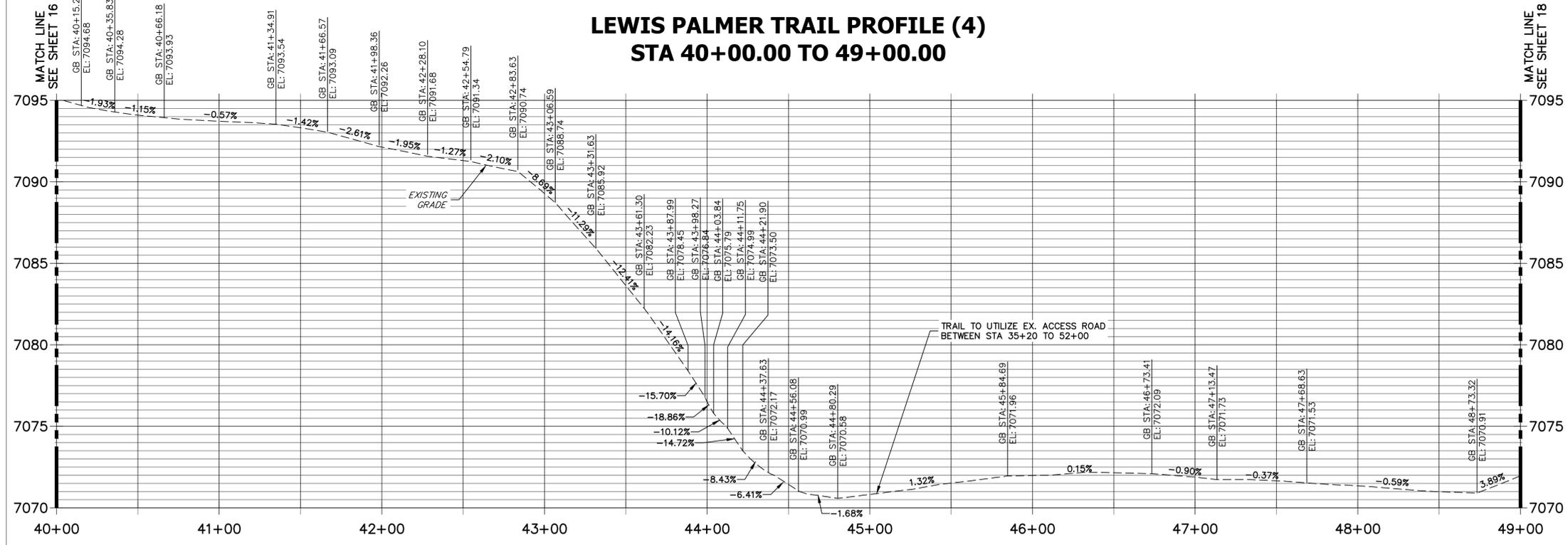
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	2520300
Sheet Number	16 OF 41



KEY MAP
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NOTE:
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**LEWIS PALMER TRAIL PROFILE (4)
STA 40+00.00 TO 49+00.00**



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COLORADO P.E. 38861
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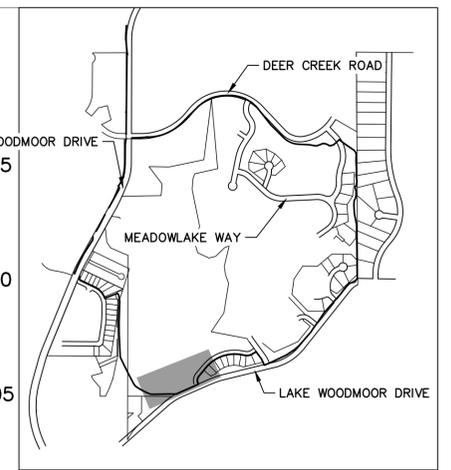
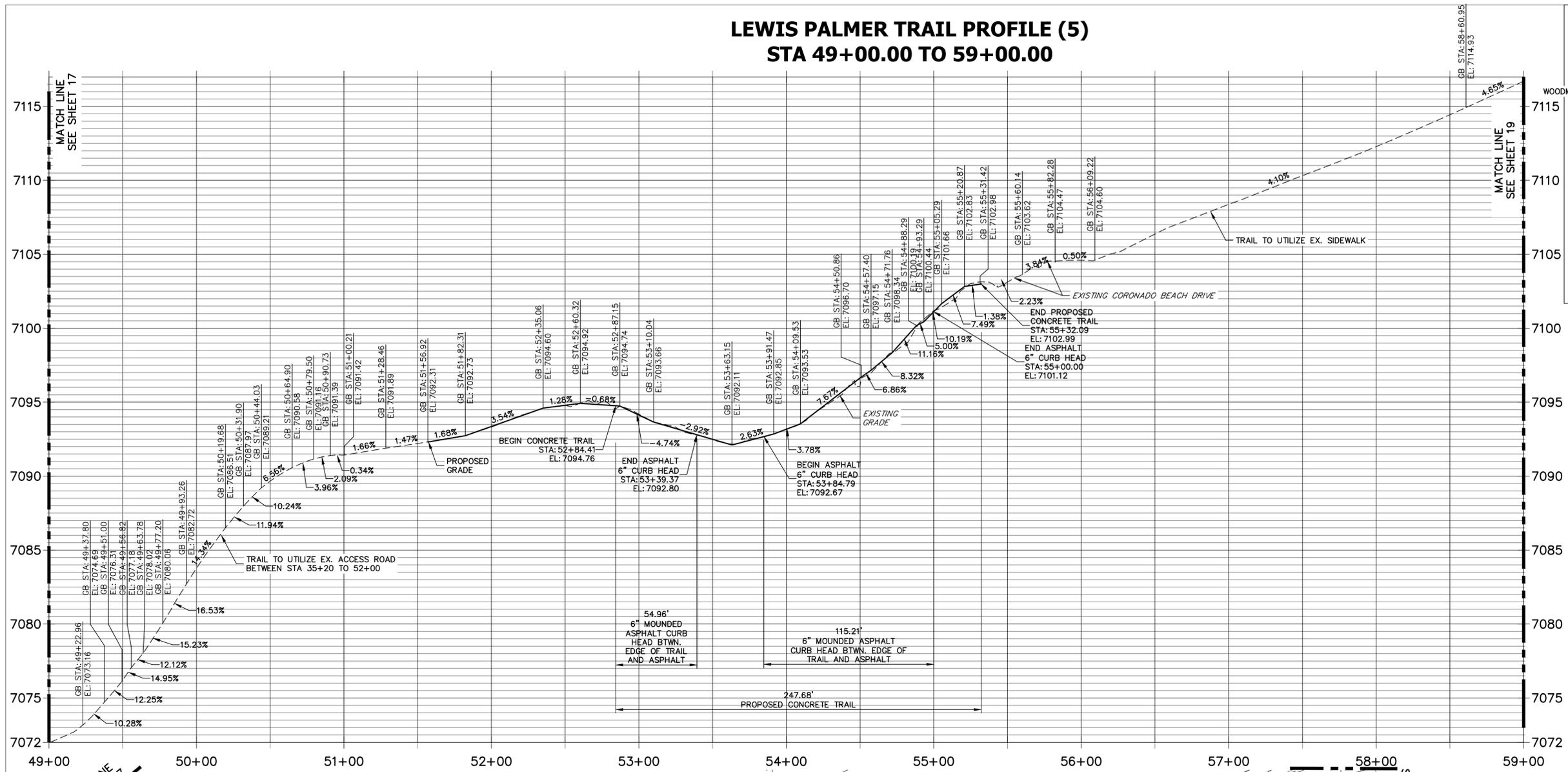
Lewis Palmer School District 38

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Detailer:	GG	Numbers	
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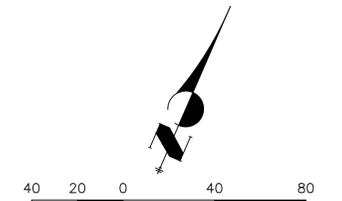
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Sheet Number	17 OF 41

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



KEY MAP
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NOTE:
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HORIZONTAL ORIGINAL SCALE: 1" = 40'
VERTICAL ORIGINAL SCALE: 1" = 4'

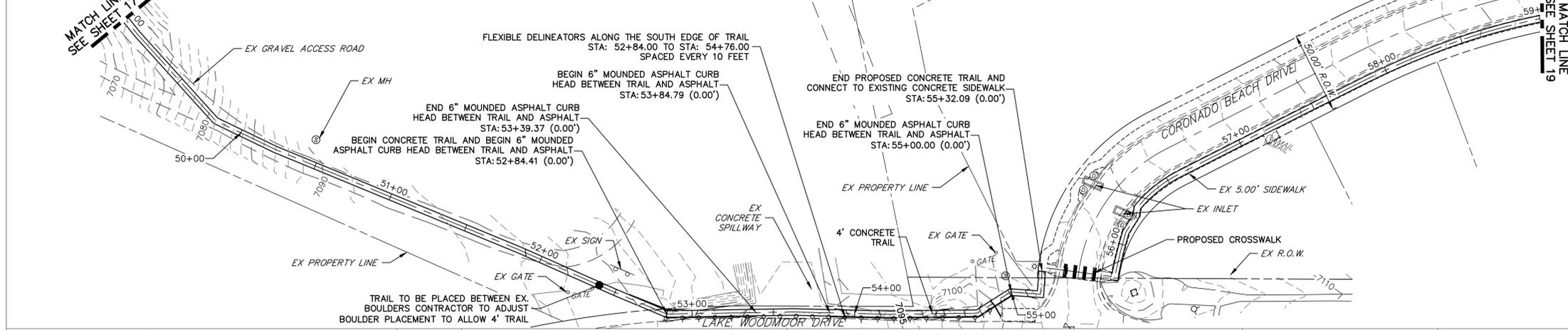


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GLENN D. ELLIS, P.E.
COLORADO P.E. 38861
FOR AND ON BEHALF OF JR ENGINEERING, LLC



Print Date: 05/20/2021
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader

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A Westrian Company
Centennial 303-740-9393 • Colorado Springs 719-593-2593
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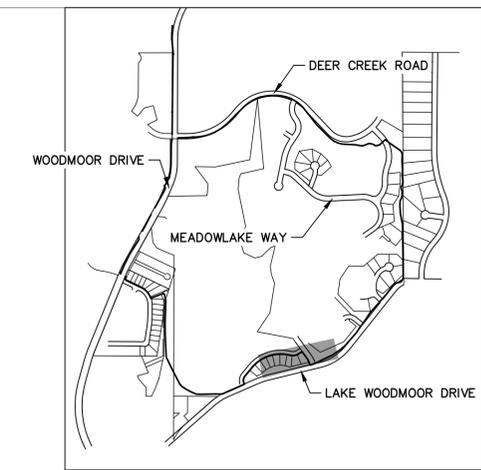
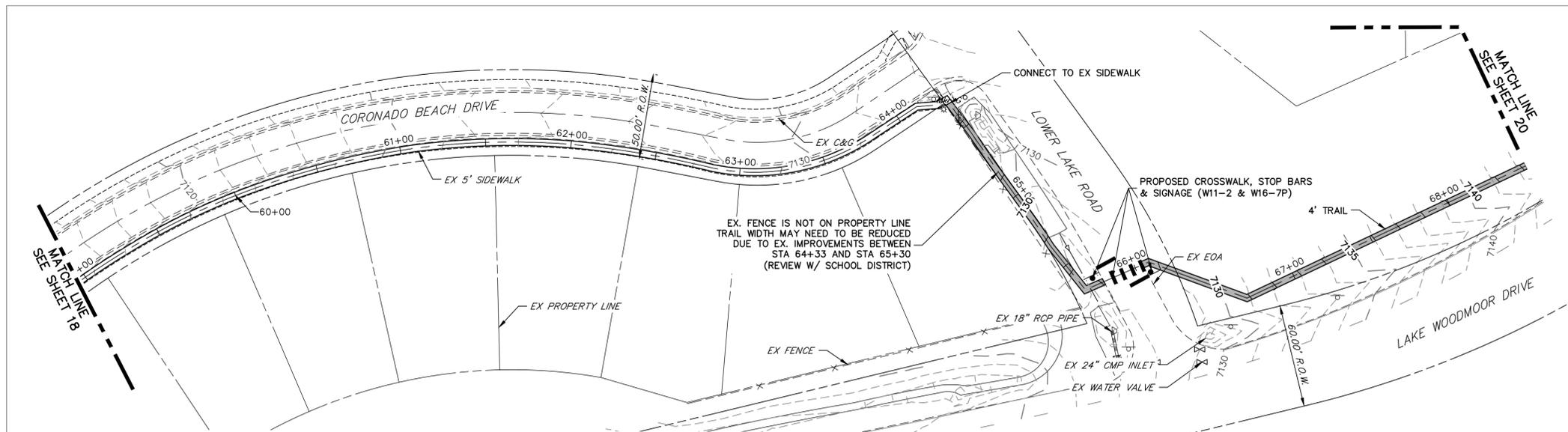
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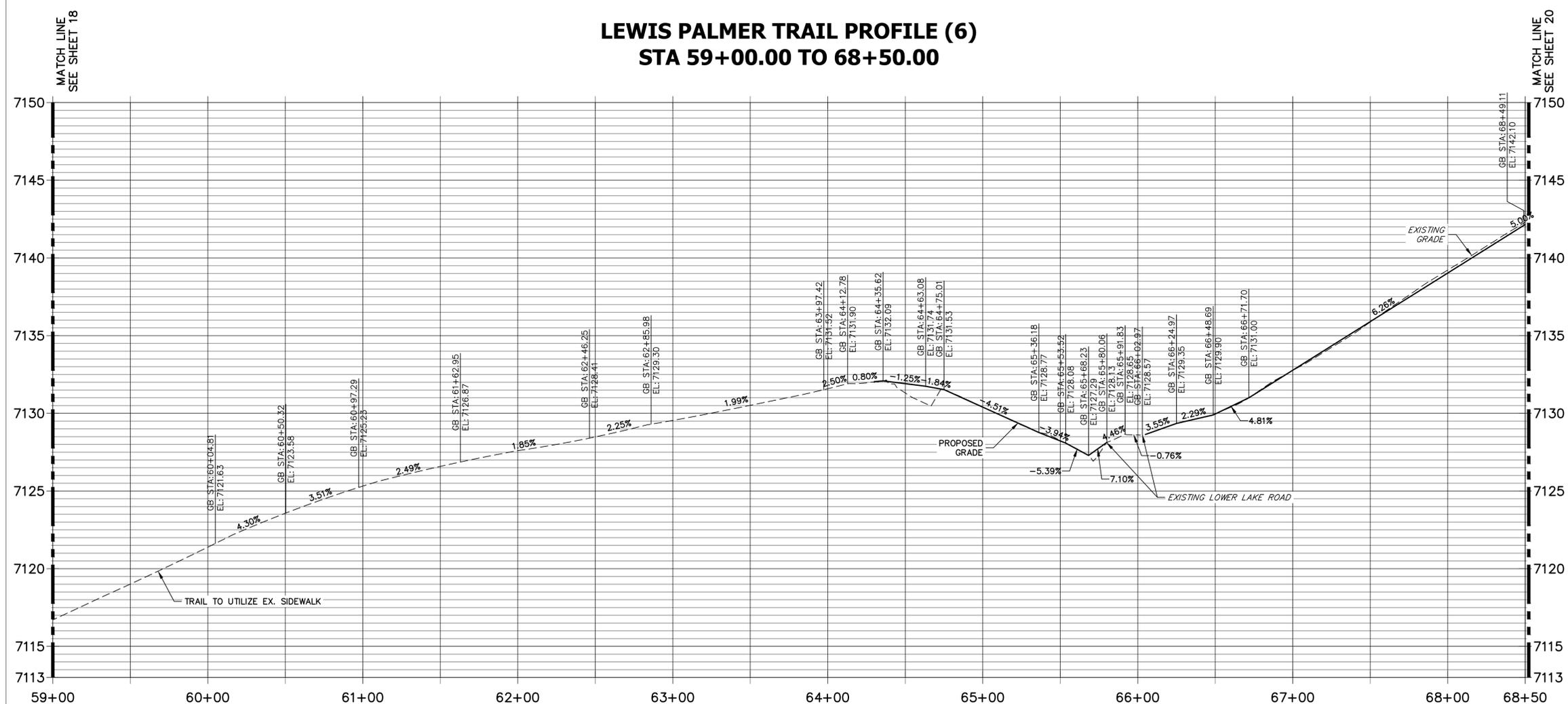
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Designer:	GG	Structure	
Detailer:	GG	Numbers	
Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	18 OF 41

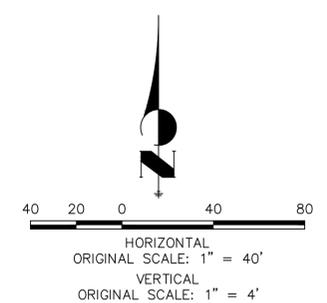


KEY MAP
SCALE: NOT TO SCALE

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



NOTE:
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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FOR AND ON BEHALF OF JR ENGINEERING, LLC

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File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
J-R ENGINEERING
A Westrian Company
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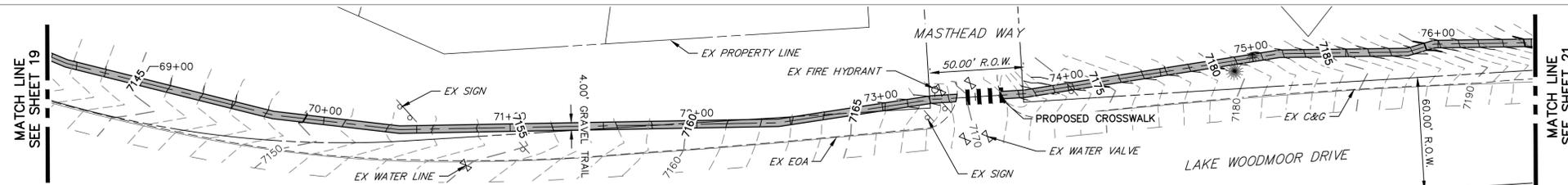
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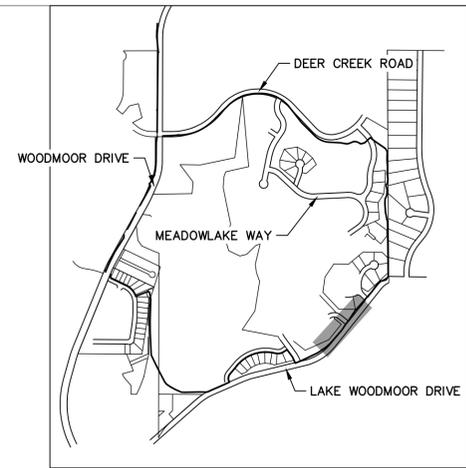
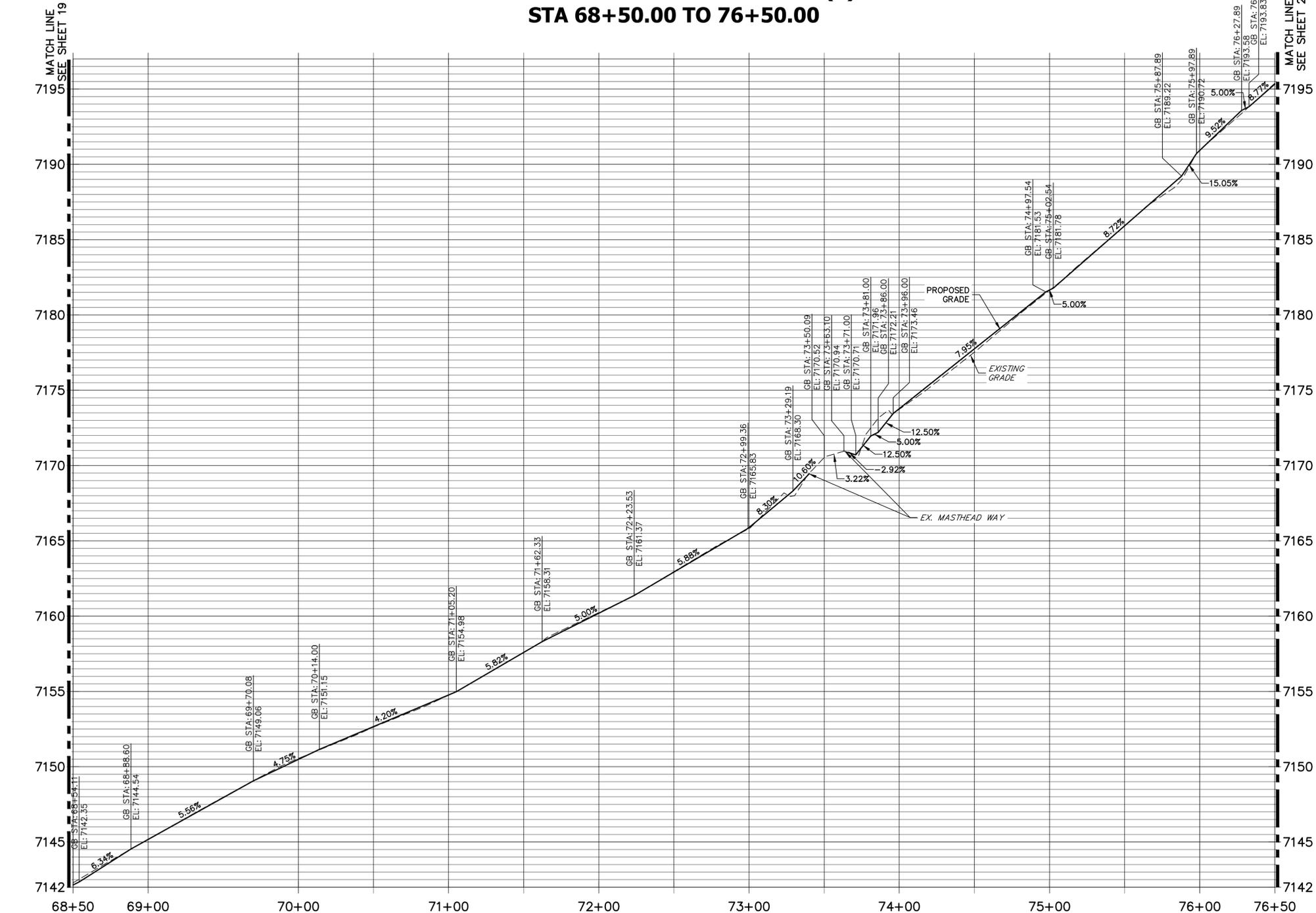
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LEWIS PALMER TRAIL
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Designer: GG
Detailer: GG
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Subset Sheets: OF

Project No./Code
M915-009/22585
2520300
Sheet Number 19 OF 41



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



KEY MAP
 SCALE: NOT TO SCALE

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

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 Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
 Unit name Unit leader

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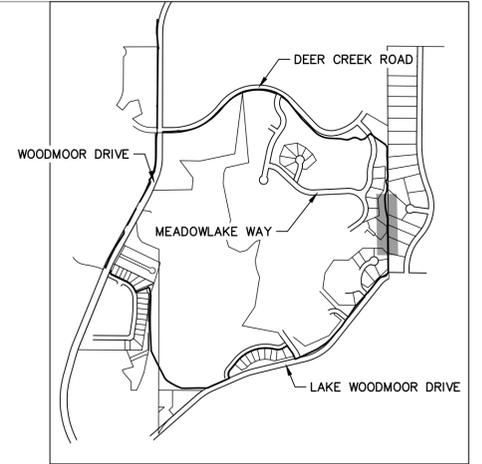
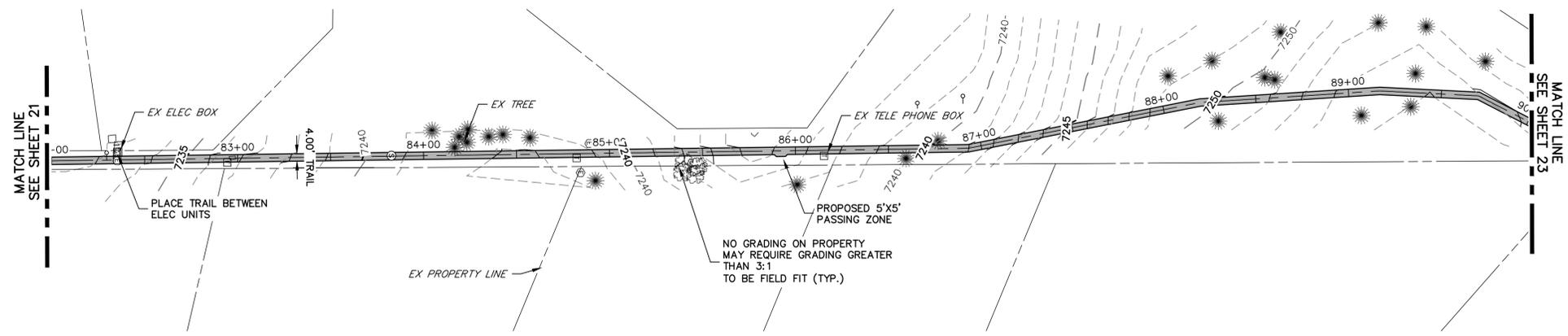
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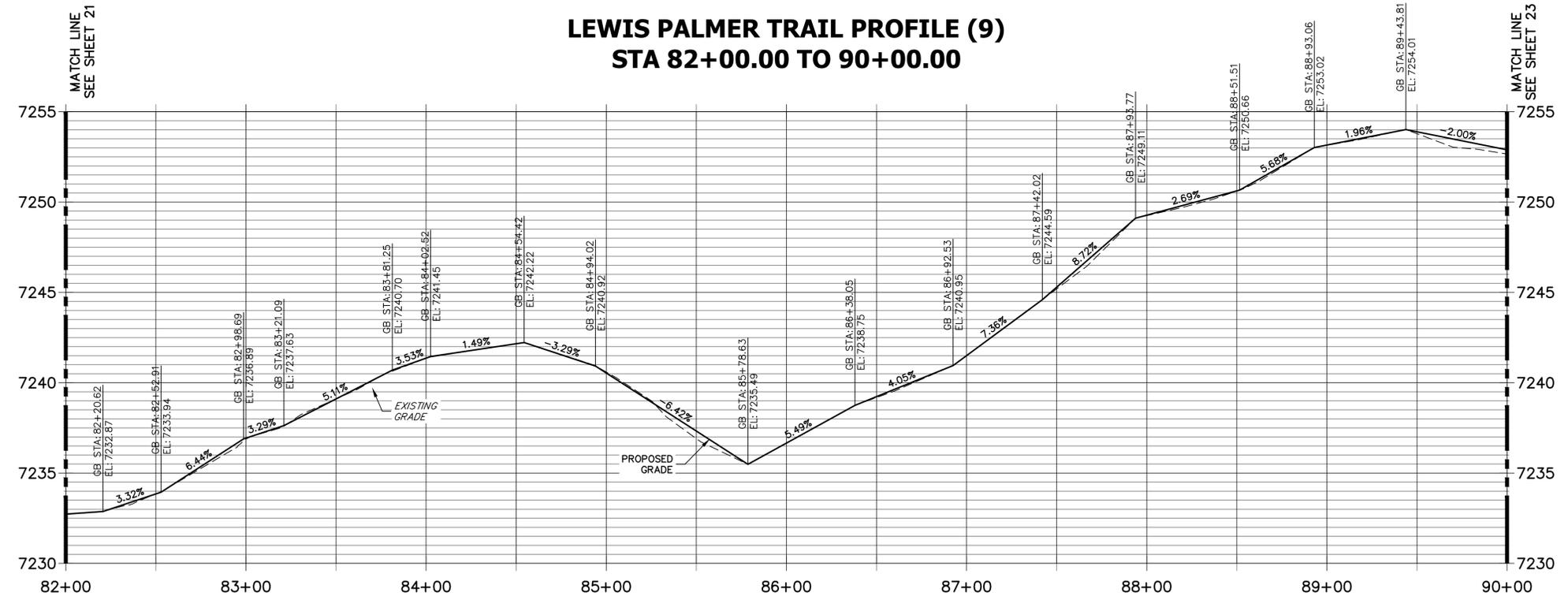
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Project No./Code	M915-009/22585
	2520300
Sheet Number	20 OF 41

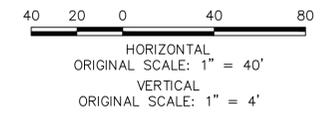


KEY MAP
SCALE: NOT TO SCALE

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



NOTE:
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Unit name Unit leader
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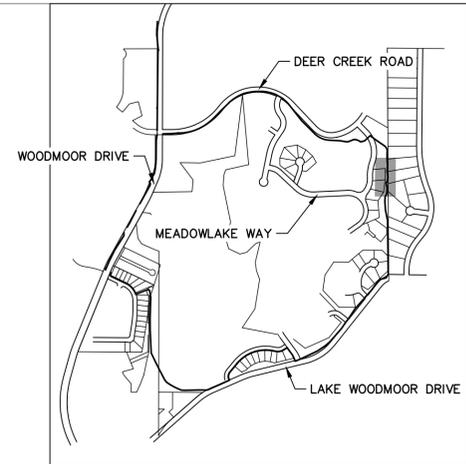
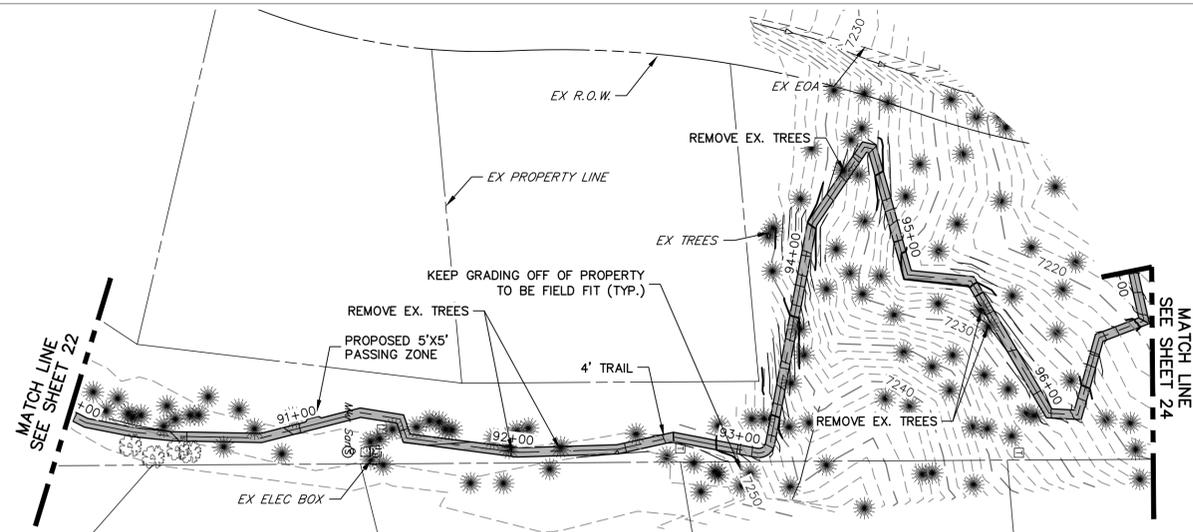
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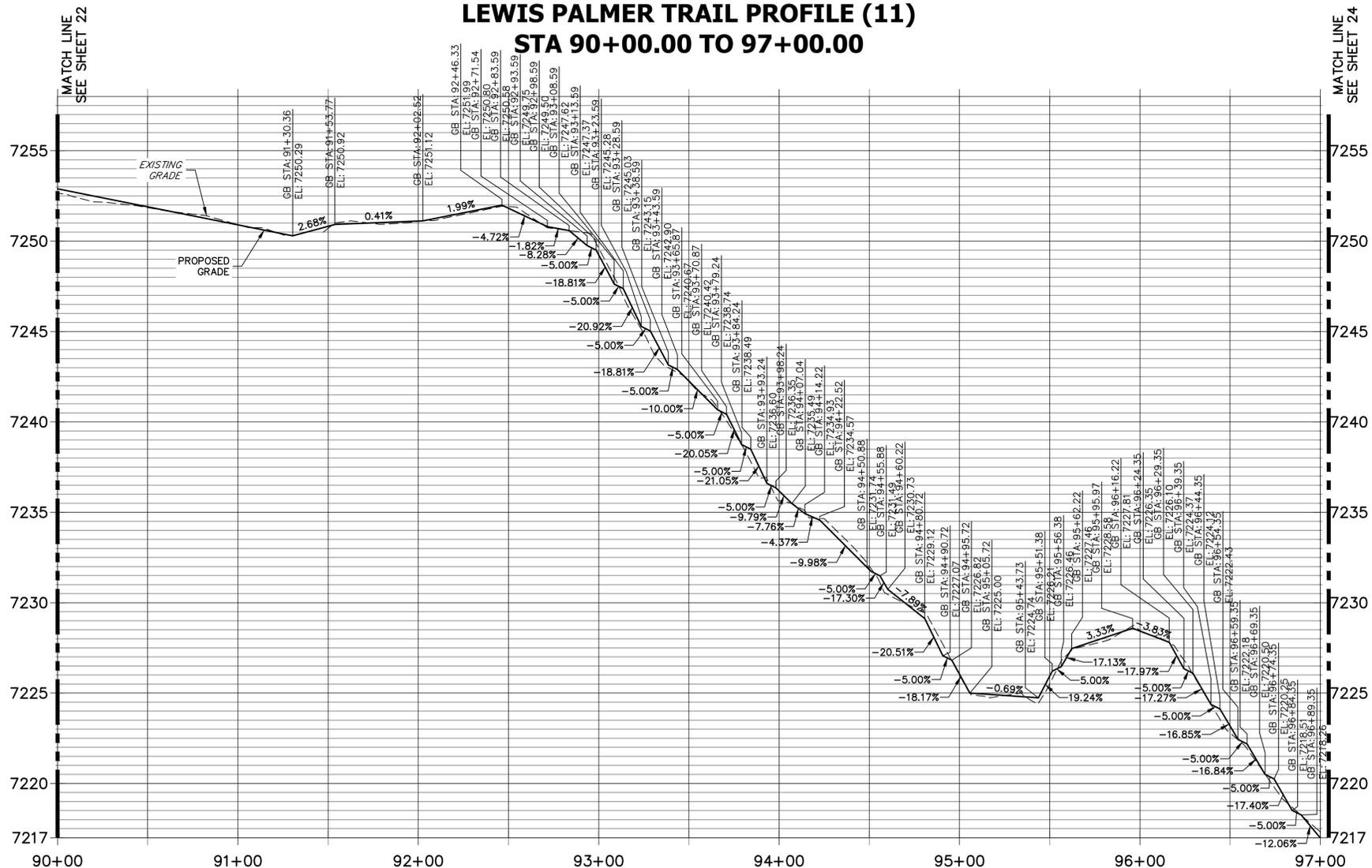
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Sheet Subset:		Subset Sheets:	OF

Project No./Code	M915-009/22585
	2520300
Sheet Number	22 OF 41

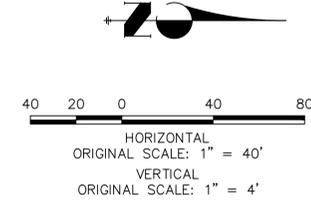


KEY MAP
SCALE: NOT TO SCALE

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



NOTE:
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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Unit name Unit leader
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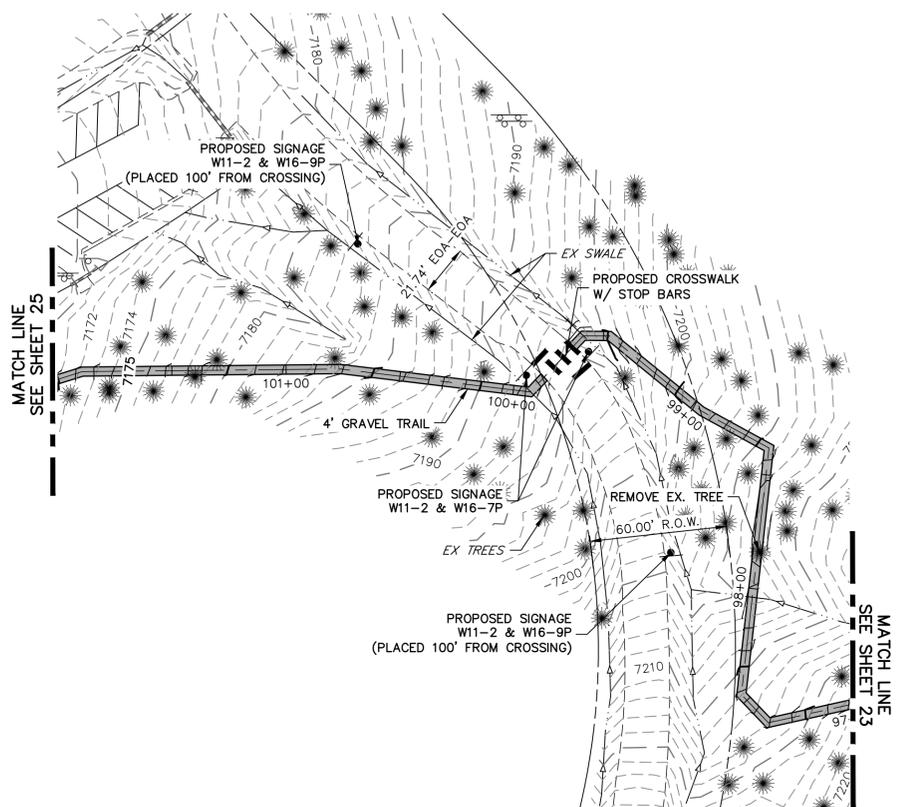
Sheet Revisions		
Date:	Comments	Init.

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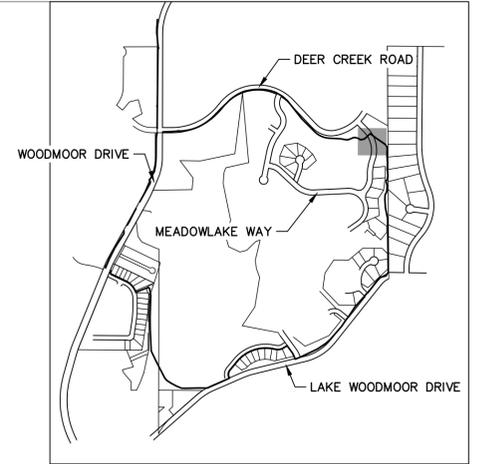
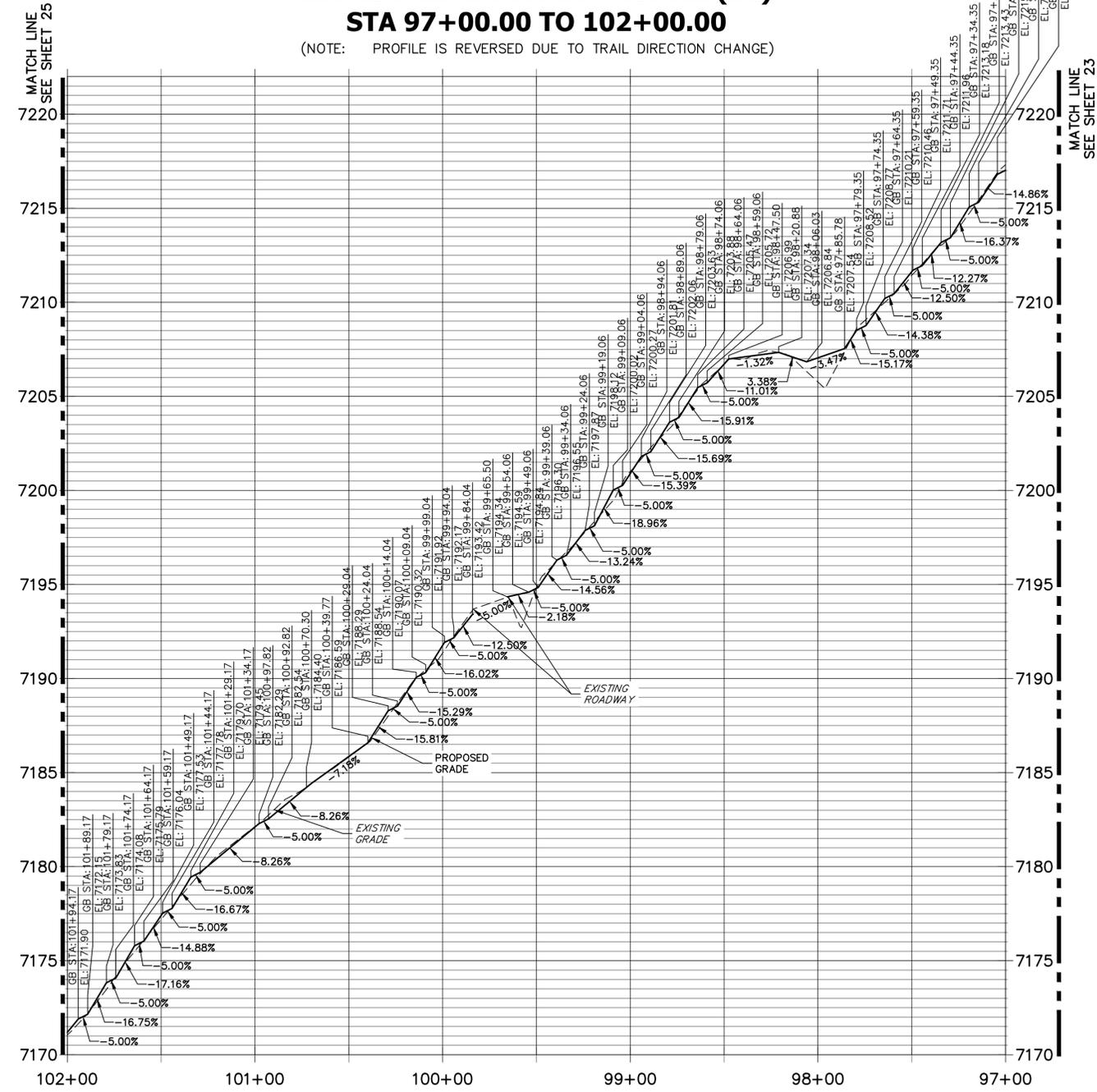
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Detailer:	GG	Subset Sheets:	OF
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Project No./Code	M915-009/22585
	2520300
Sheet Number	23 OF 41



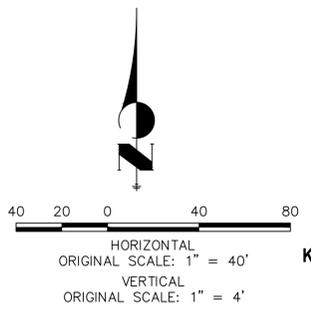
LEWIS PALMER TRAIL PROFILE (12) STA 97+00.00 TO 102+00.00

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



KEY MAP
SCALE: NOT TO SCALE

NOTE:
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Unit name	Unit leader
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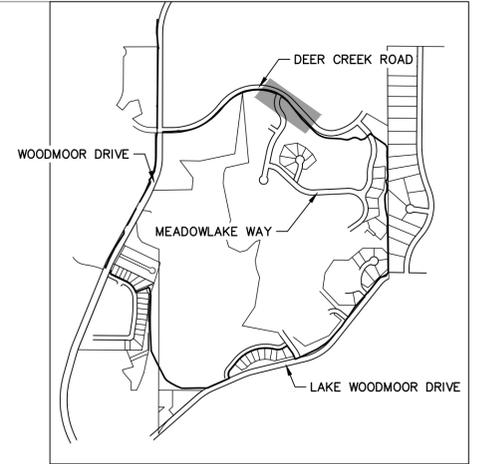
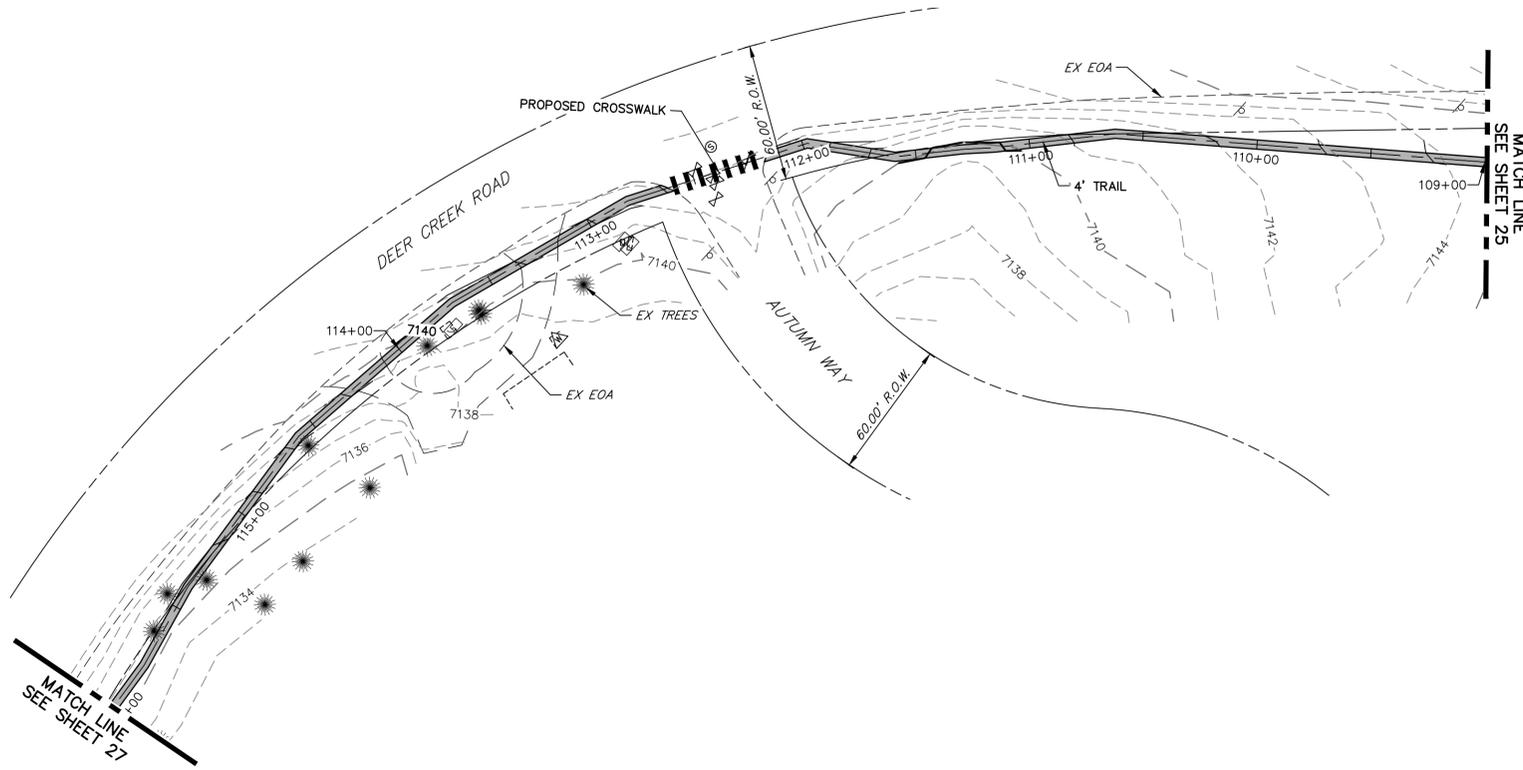
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Designer:	GG	Structure	
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Sheet Subset:		Subset Sheets:	OF

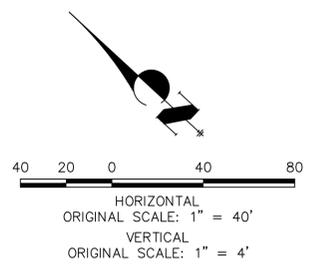
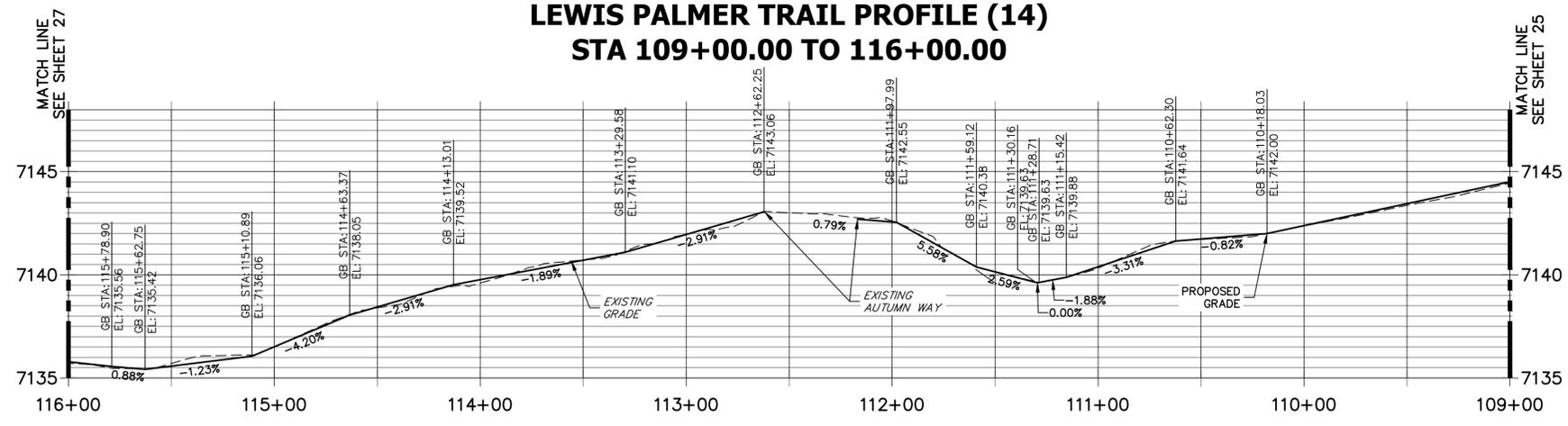
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	2520300
Sheet Number	24 OF 41



KEY MAP
SCALE: NOT TO SCALE

NOTE:
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.

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



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Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
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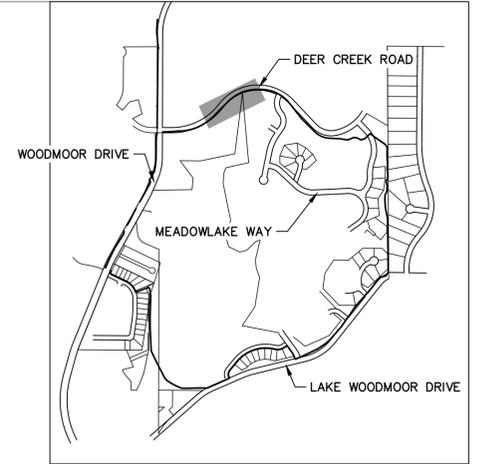
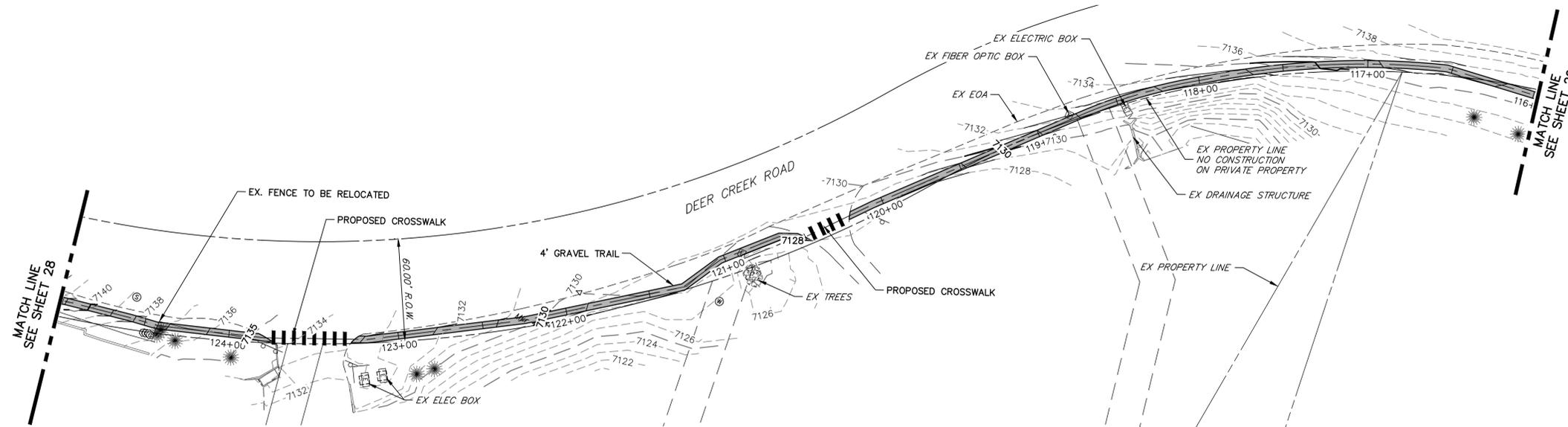
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**LEWIS PALMER TRAIL
TRAIL PLAN AND PROFILE**
Designer: GG
Detailer: GG
Sheet Subset:
Structure Numbers
Subset Sheets: OF

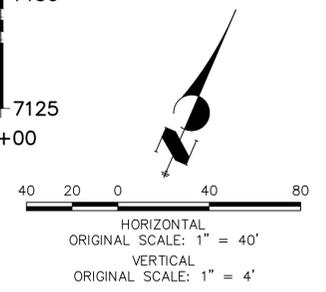
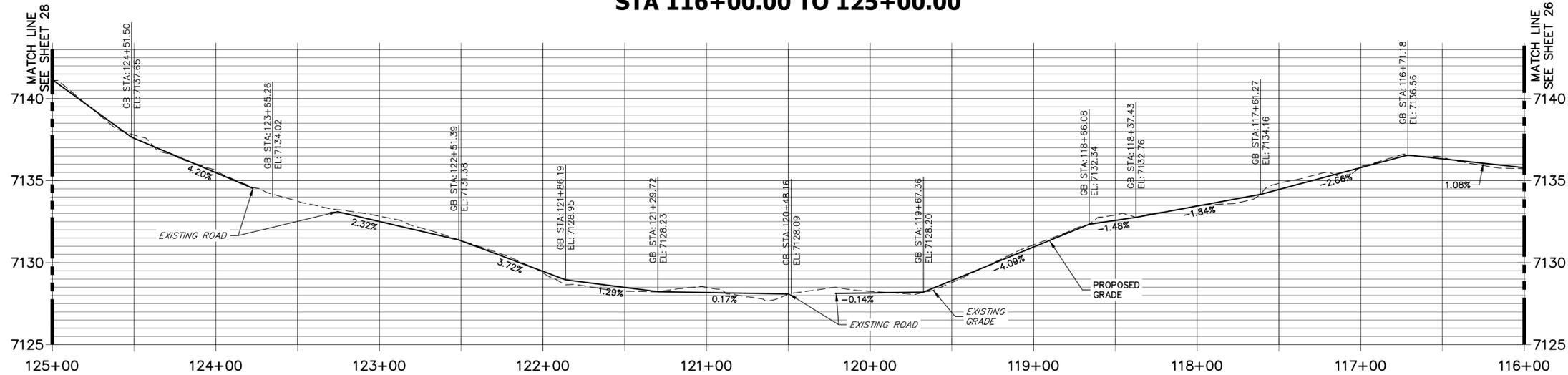
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M915-009/22585
2520300
Sheet Number 26 OF 41



KEY MAP
SCALE: NOT TO SCALE

NOTE:
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.

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



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Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
J-R ENGINEERING
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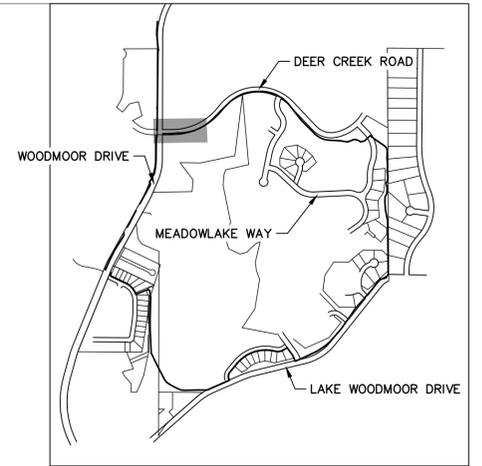
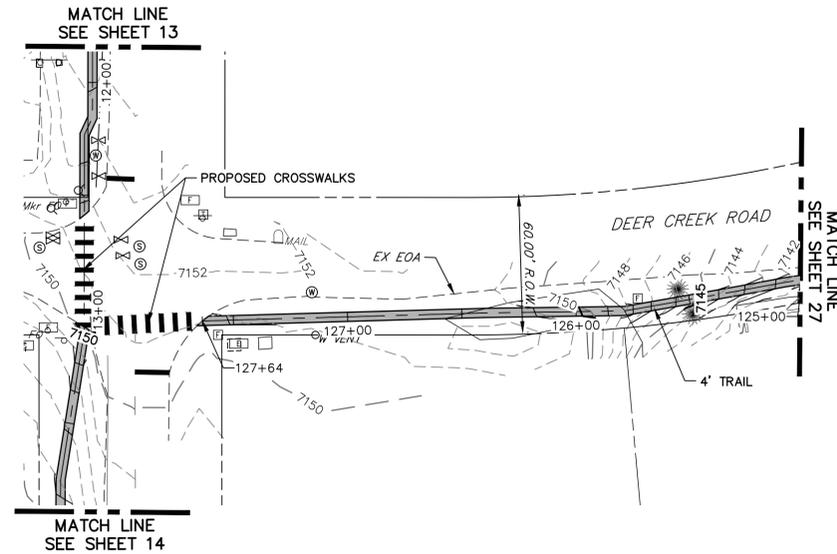
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LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE			
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Detailer:	GG	Numbers	
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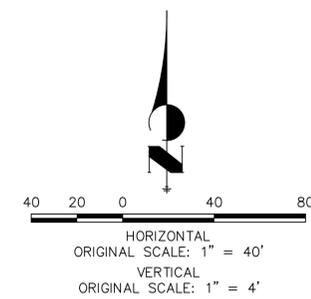
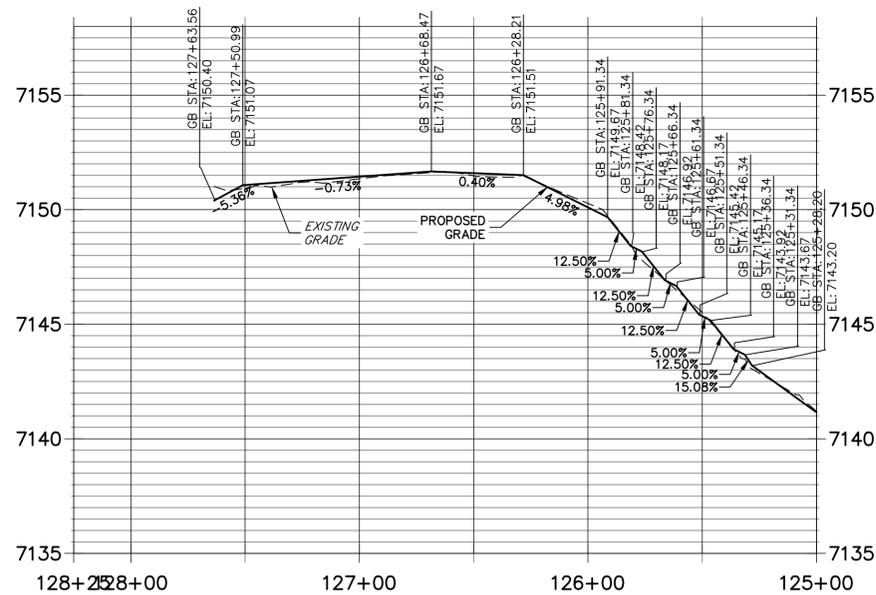
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KEY MAP
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NOTE:
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**LEWIS PALMER TRAIL PROFILE (16)
STA 125+00.00 TO 128+25.00**



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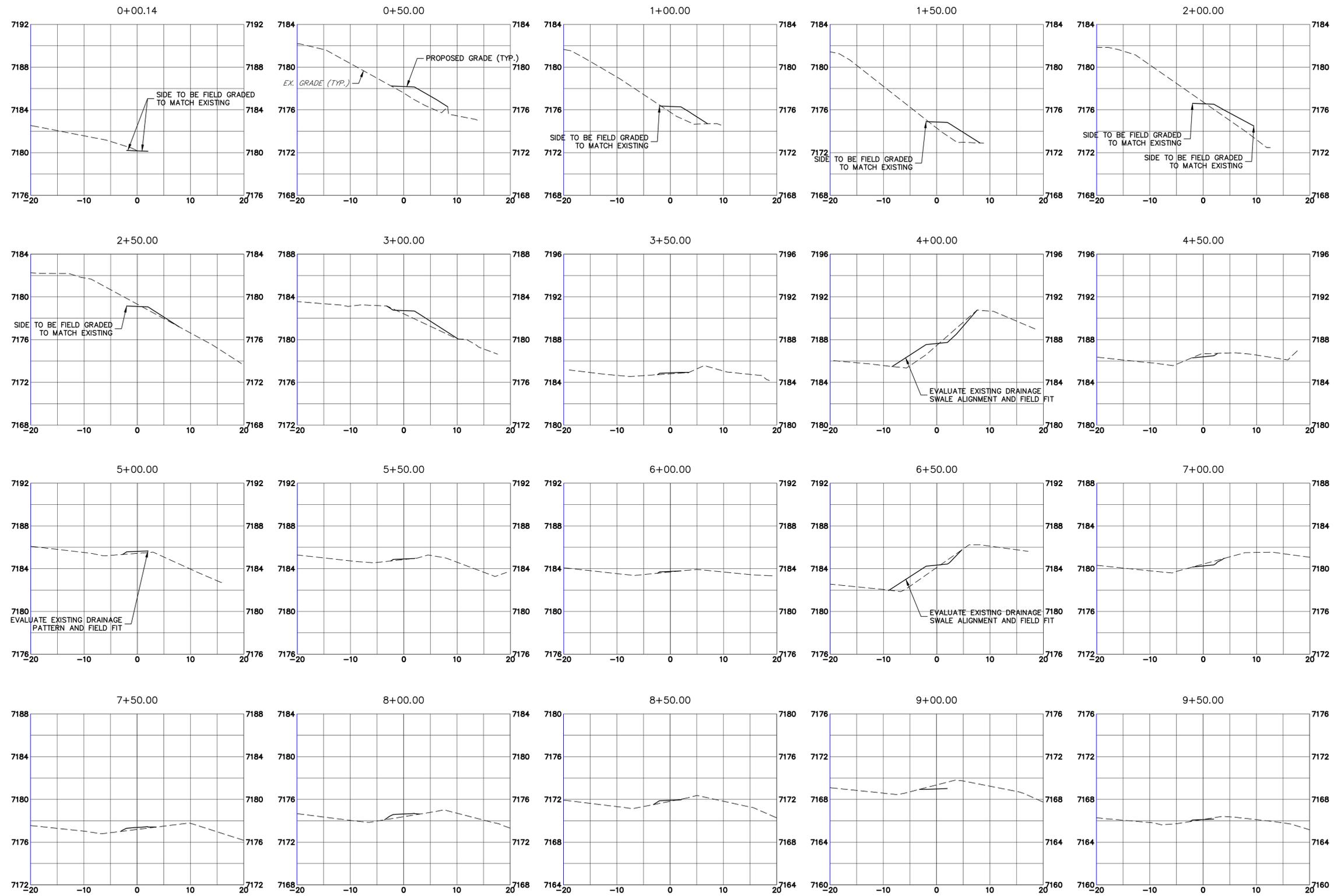


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File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
J-R ENGINEERING
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LEWIS PALMER TRAIL
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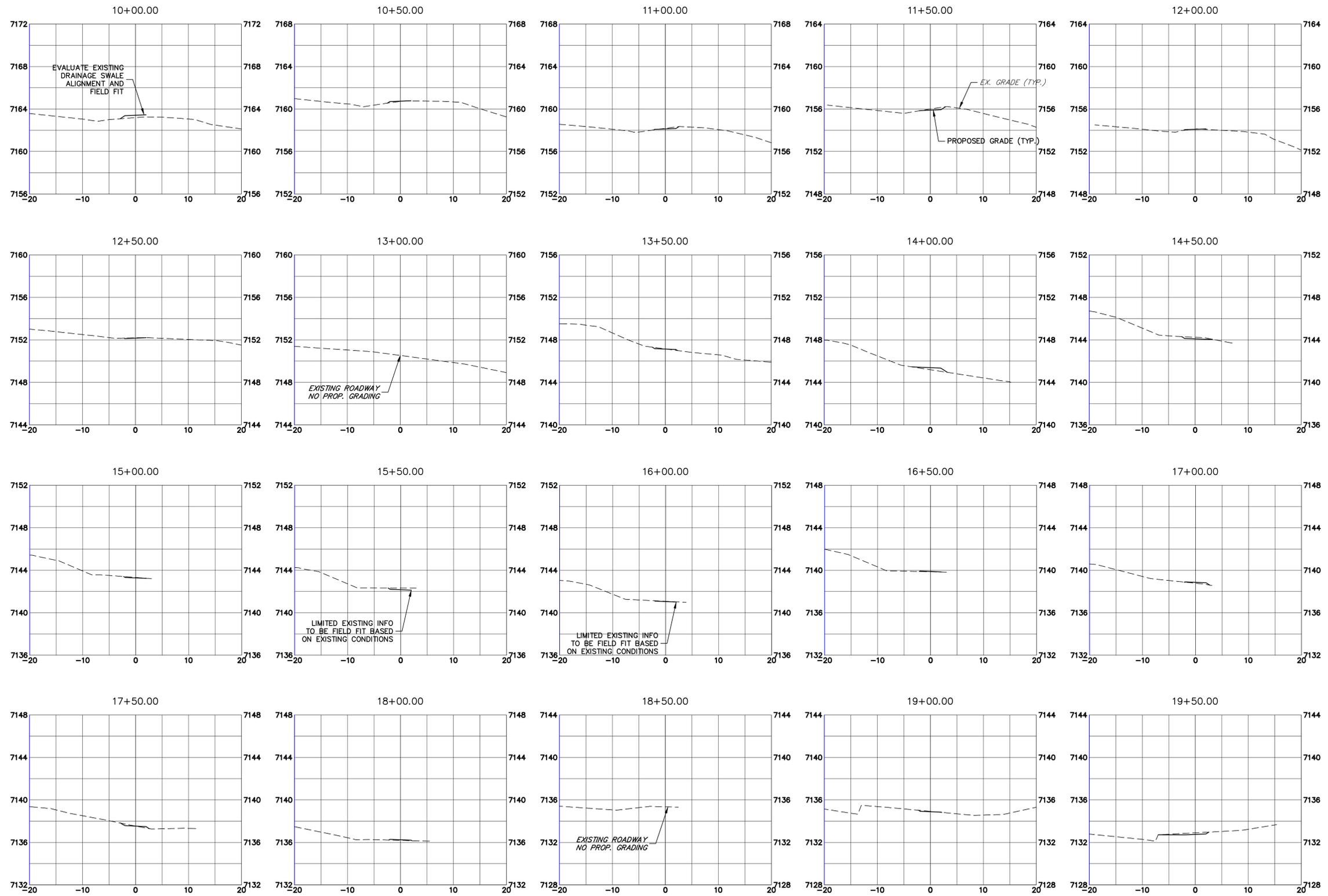
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2520300

Sheet Number 29 OF 41



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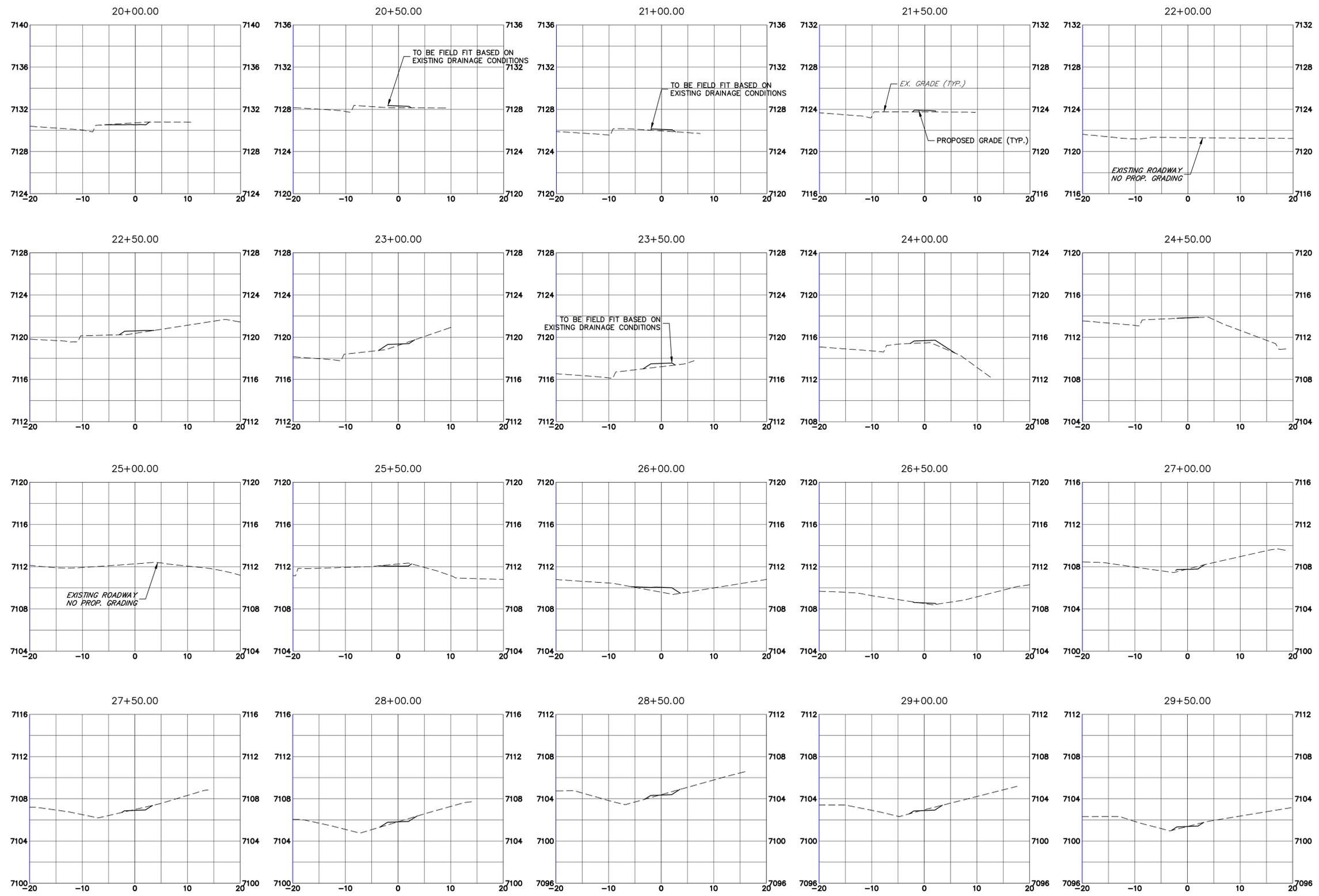
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 Lewis Palmer School District 38

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 30 OF 41



Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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Sheet Revisions		
Date:	Comments	Init.

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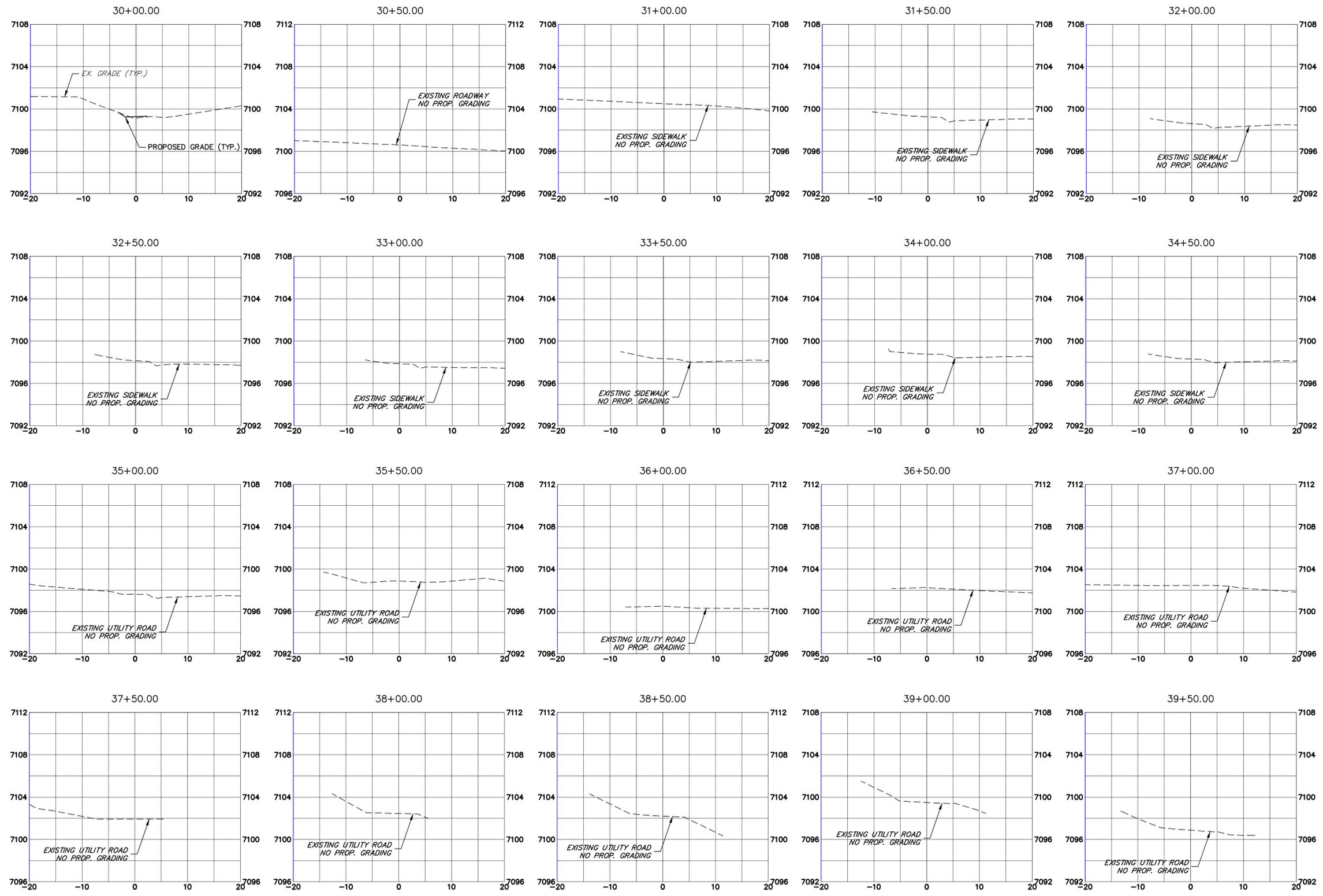
Lewis Palmer School District 38

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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 31 OF 41



Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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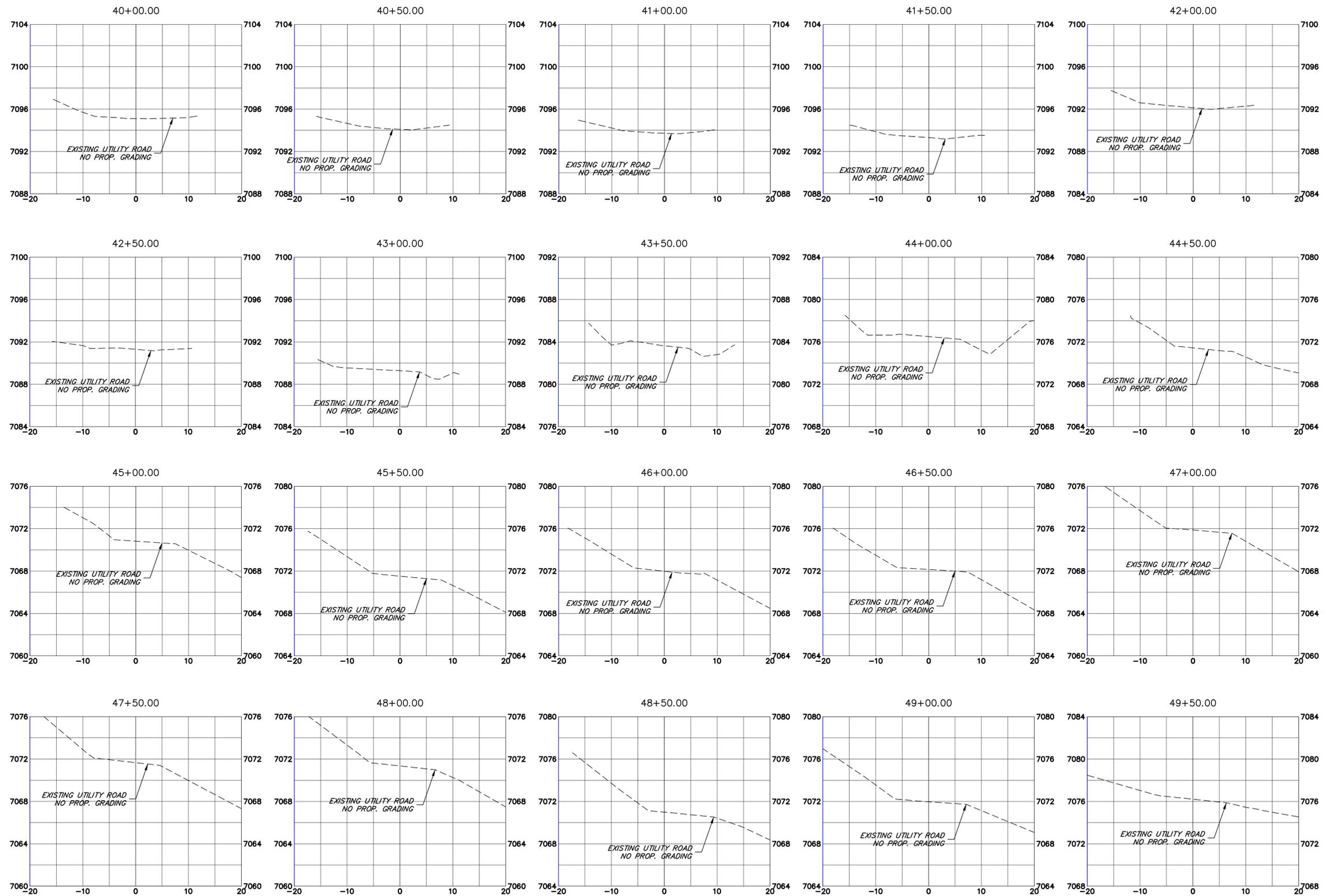
Sheet Revisions		
Date:	Comments	Init.

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 Region 2
 Lewis Palmer School District 38

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 Void:

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

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 32 OF 41



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Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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Sheet Revisions		
Date:	Comments	Init.

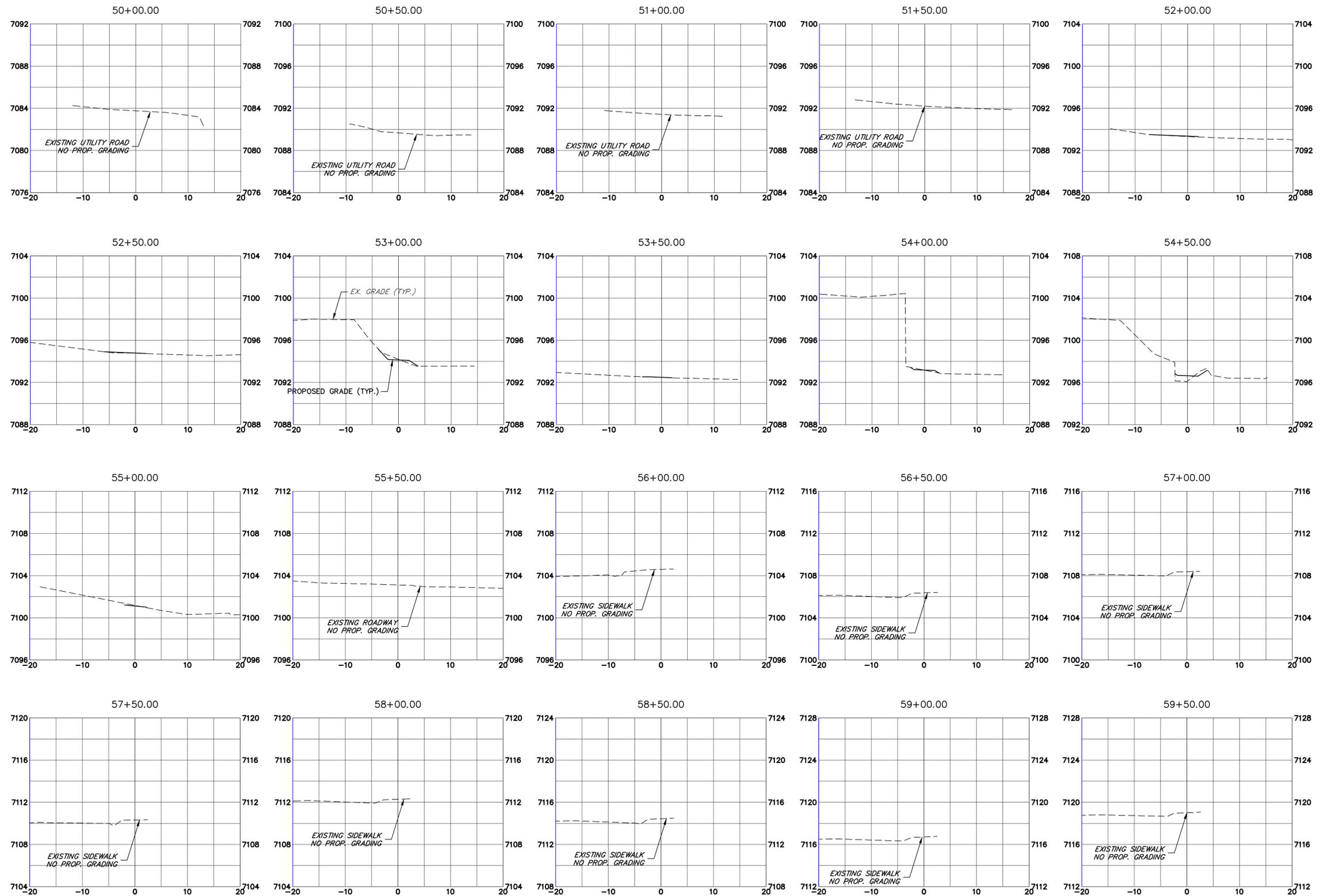
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As Constructed
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 CROSS SECTION
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 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 33 OF 41



Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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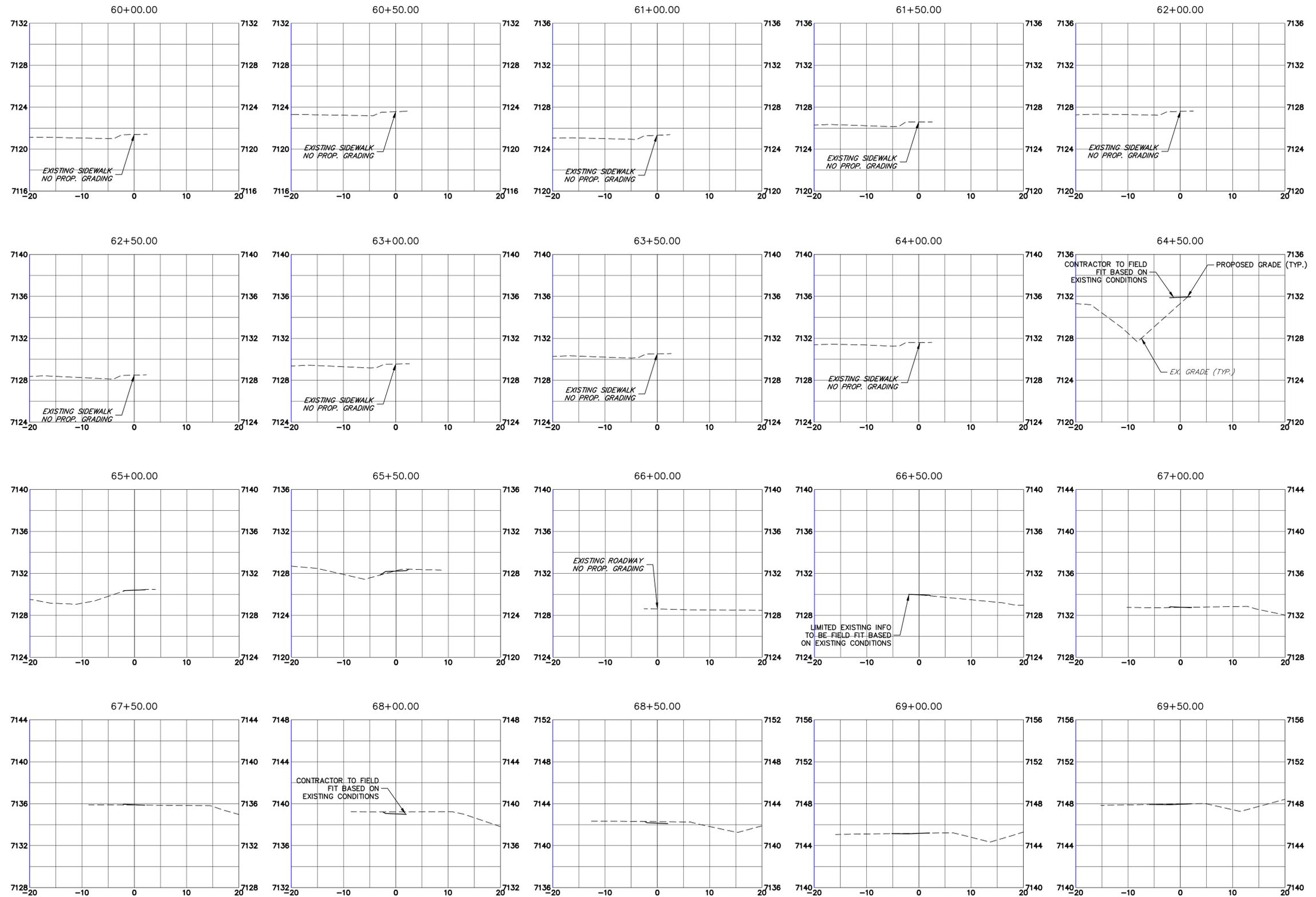
Sheet Revisions		
Date:	Comments	Init.

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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 34 OF 41



Know what's below.
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Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5"
 Unit name Unit leader
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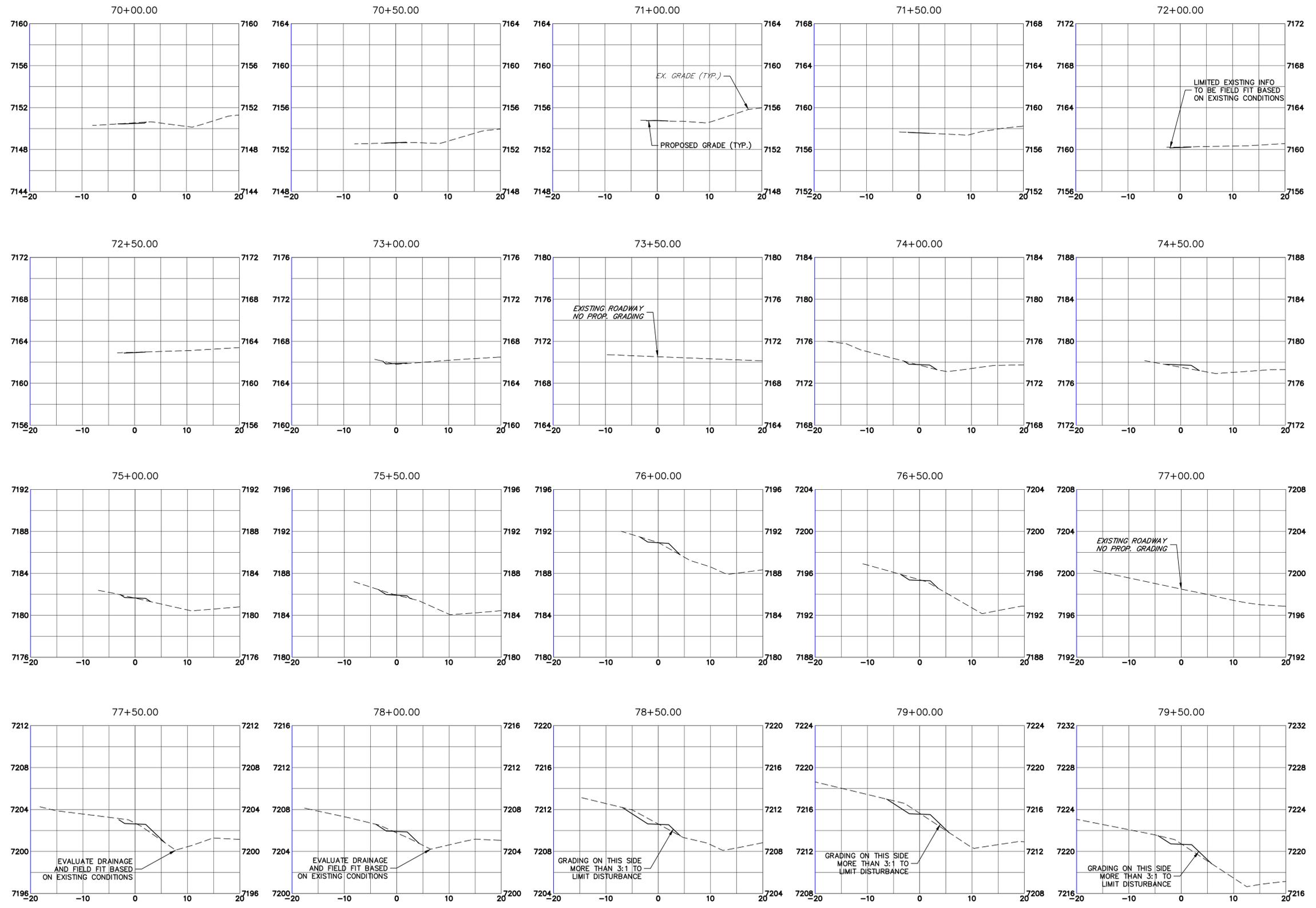
Sheet Revisions		
Date:	Comments	Init.

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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 35 OF 41



Know what's below.
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Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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Date:	Comments	Init.

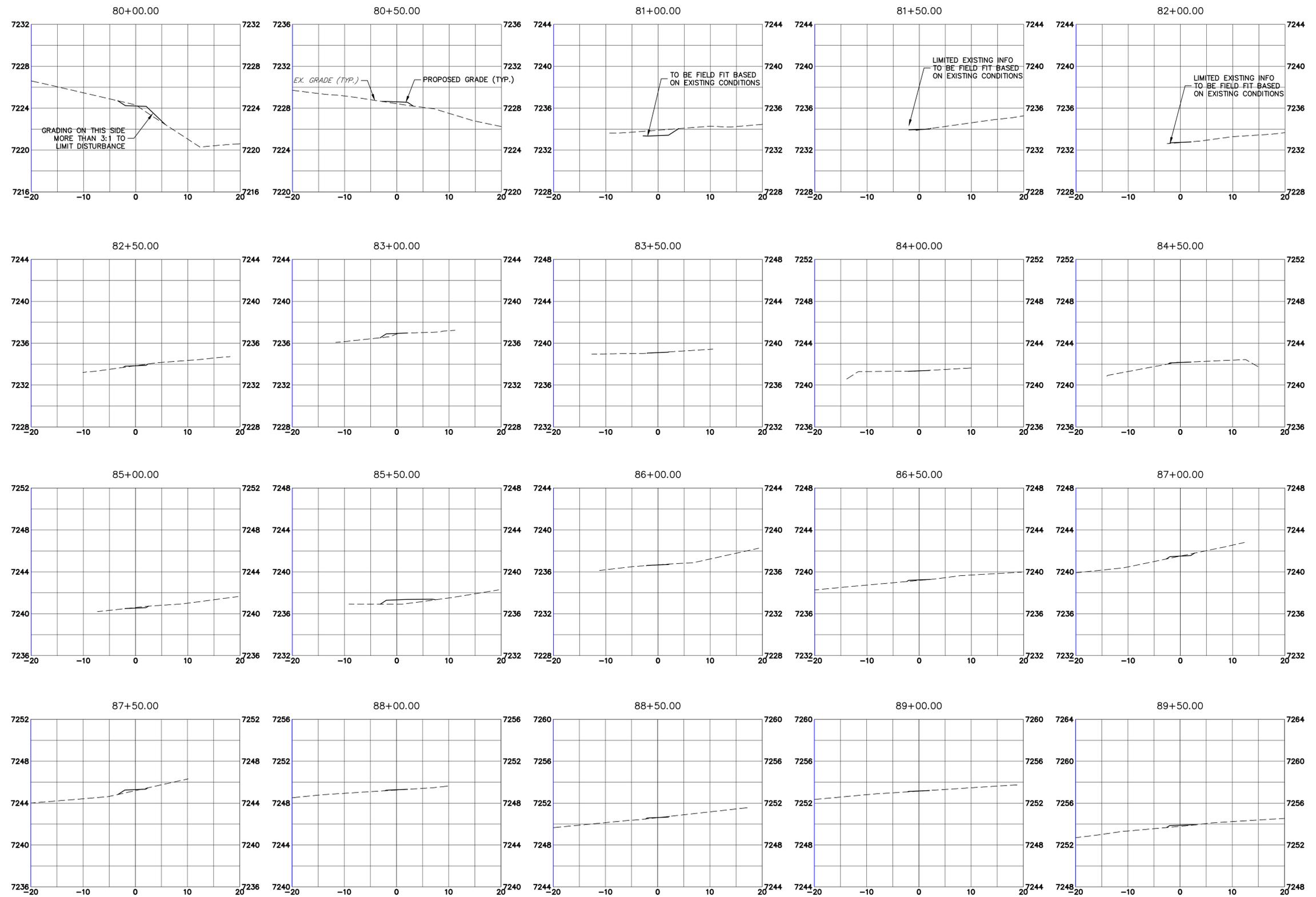
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 CROSS SECTION
 Designer: GG Structure
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Project No./Code
 M915-009/22585
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 Sheet Number 36 OF 41



Know what's below.
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Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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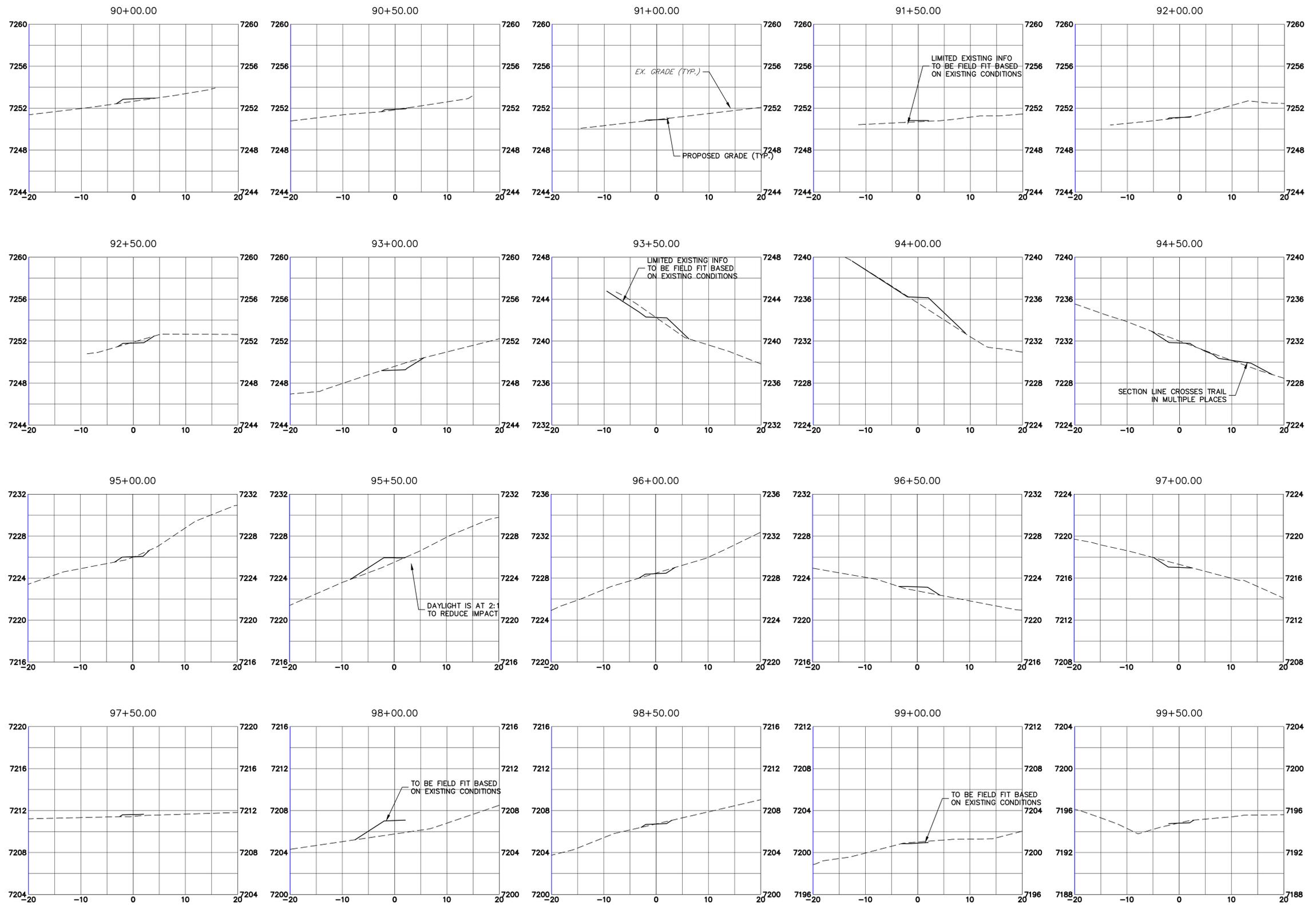
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Date:	Comments	Init.

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 Phone: 719-546-5750
 Lewis Palmer School District 38
 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 37 OF 41



Know what's below.
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Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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Date:	Comments	Init.

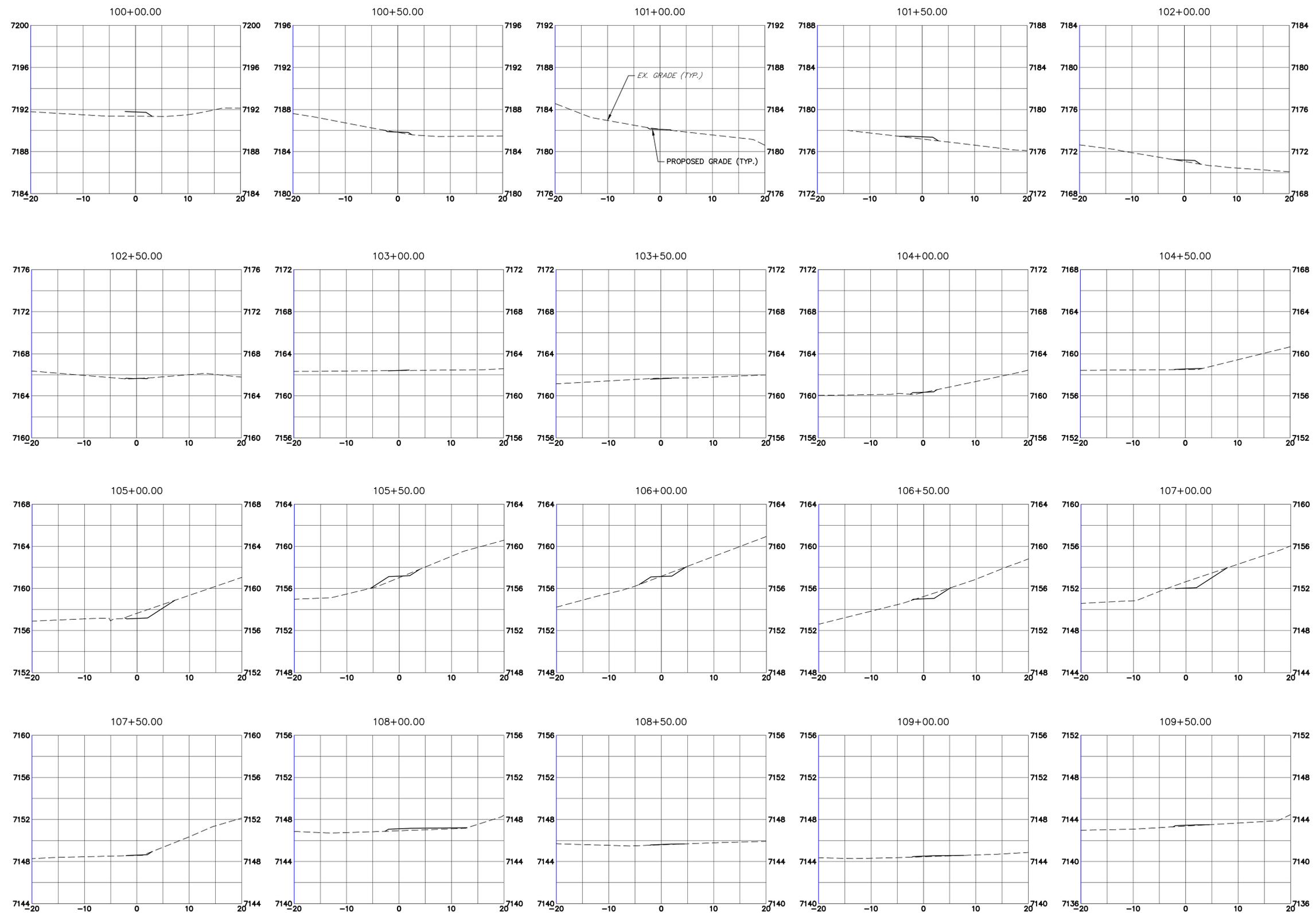
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 Phone: 719-546-5750
 Region 2

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 Lewis Palmer School District 38

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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 38 OF 41



Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
 **J-R ENGINEERING**
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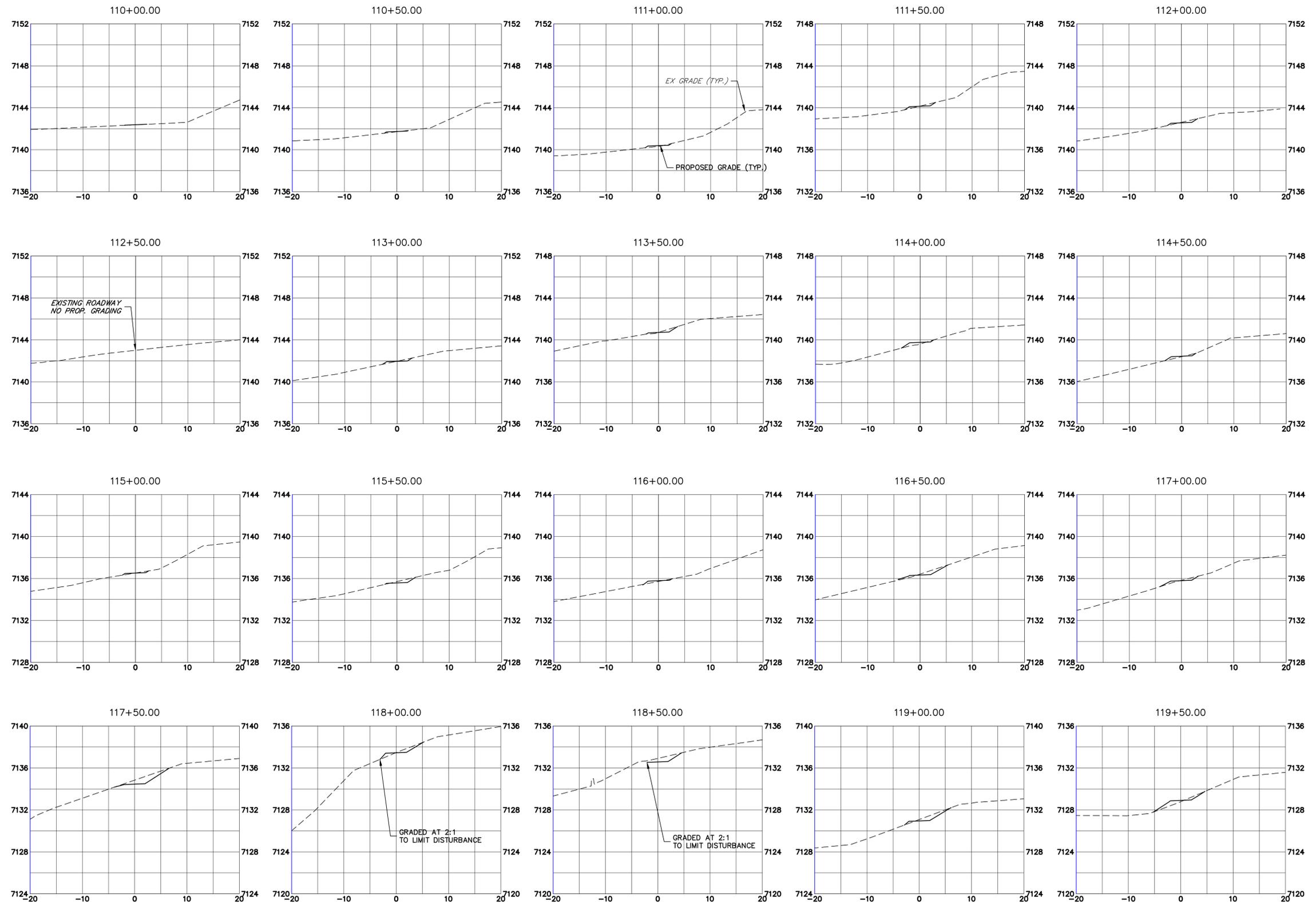
Sheet Revisions		
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 39 OF 41



Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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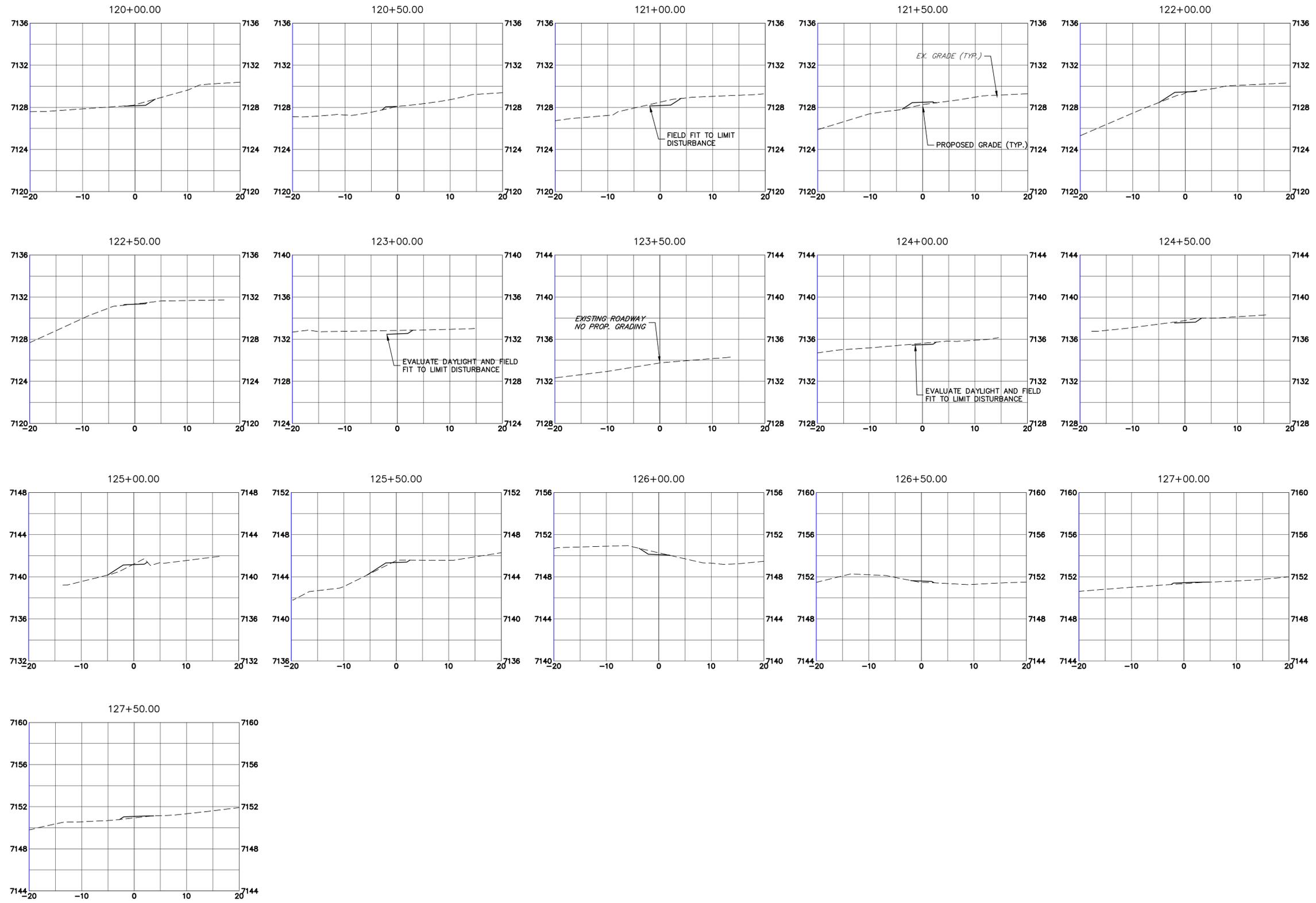
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Colorado Department of Transportation
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LEWIS PALMER TRAIL
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 40 OF 41



Print Date: 05/20/2021
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 41 OF 41