

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

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

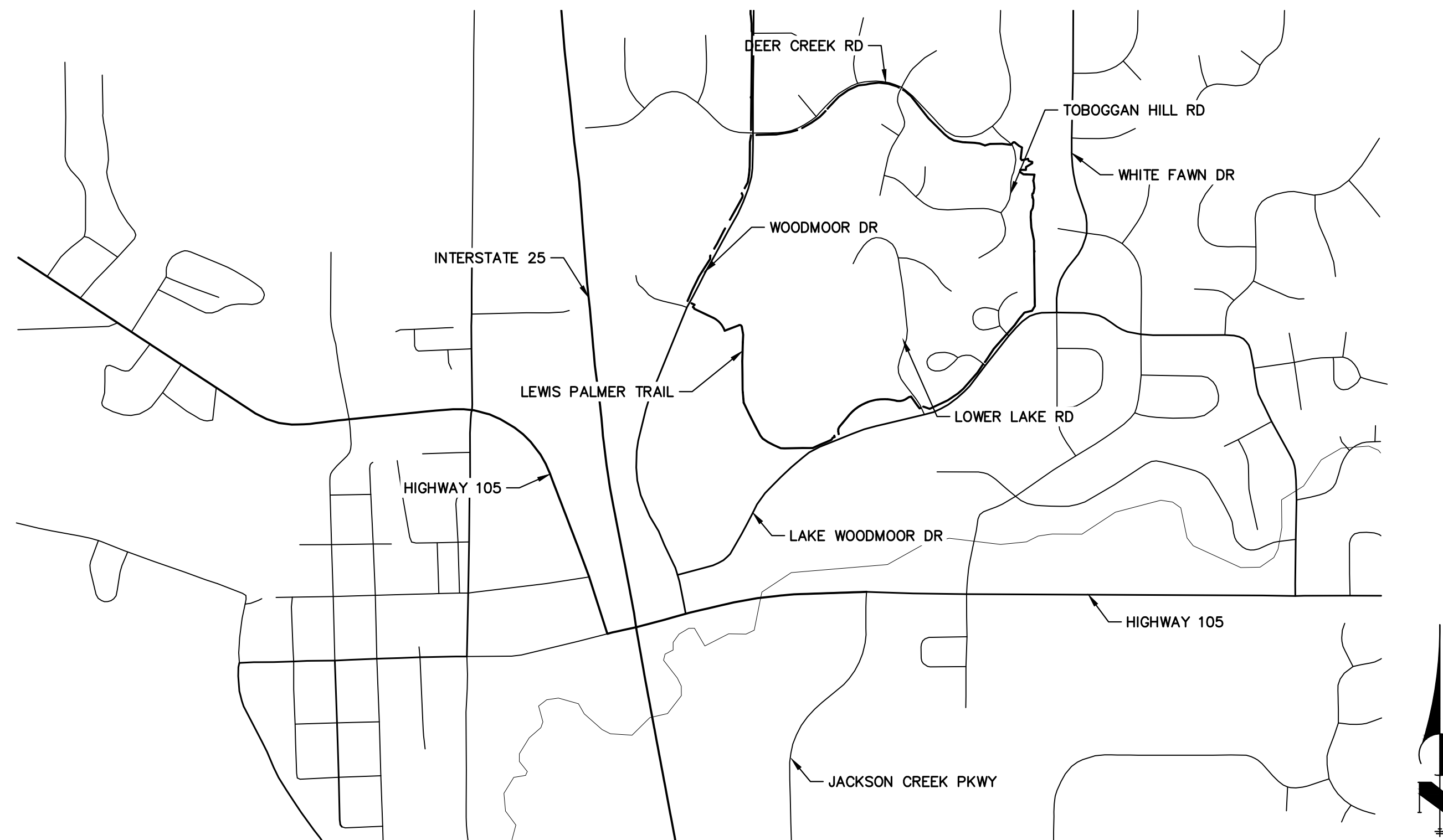
CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. SAR M915-009 LEWIS PALMER TRAIL LEWIS PALMER SCHOOL DISTRICT 38

| |
|---|
| 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 - GEC DETAILS
- 8 - NOTES
- 9 - SUMMARY OF APPROXIMATE QUANTITIES
- 10 - SURVEY TABULATIONS
- 11-13 - HORIZONTAL CONTROL PLANS
- 14-29 - TRAIL PLAN AND PROFILE
- 30-42 - CROSS SECTION

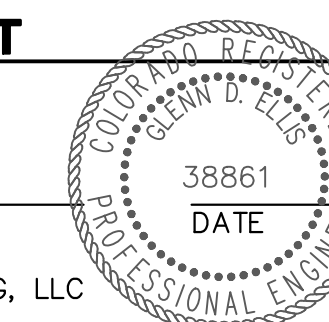
CONTACTS:

| | |
|--------------------------|--|
| 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: 11/23/2022

File Name: _____

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

Unit name: _____ Unit leader: _____

J-R ENGINEERING
A Westrian Company
Centennial 303-740-9393 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

| Sheet Revisions | | |
|-----------------|----------|-------|
| Date: | Comments | Init. |
| | | |
| | | |
| | | |

Colorado Department of Transportation

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 | Sheet Subset: | Sheet Number 1 OF 42 |
| | | Subset Sheets: OF | |

X:\2020\000\Drawings\Sheet\Drawings\2020\000\001.dwg, C:\01_11232022 7:54:16 AM, CS

| 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) <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: 11/23/2022 | | 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: | | Designer: GG Structure Detailer: GG Numbers | | M915-009/22585 | |
| Horiz. Scale: N/A | | | | | | | | | | | | | 2520300 | |
| Unit name | | | | | | | | | | | | | Sheet Number 2 OF 42 | |
| 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 | | | | | | | Void: | | Sheet Subset: | | Subset Sheets: OF | | | |

X:\25203000\Drawings\Sheet\Drawings\25203000\CDOT.dwg, STANDARD PLAN LIST, 11/23/2022 7:54:35 AM, C5

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 | ⊕ |

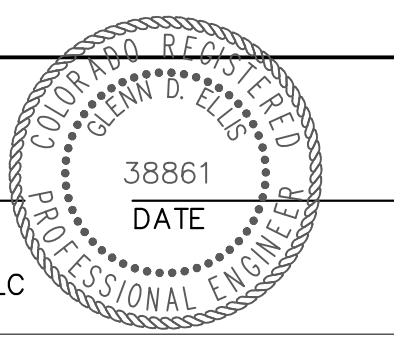
LANDSCAPE LEGEND

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

ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

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



Print Date: 11/23/2022
 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

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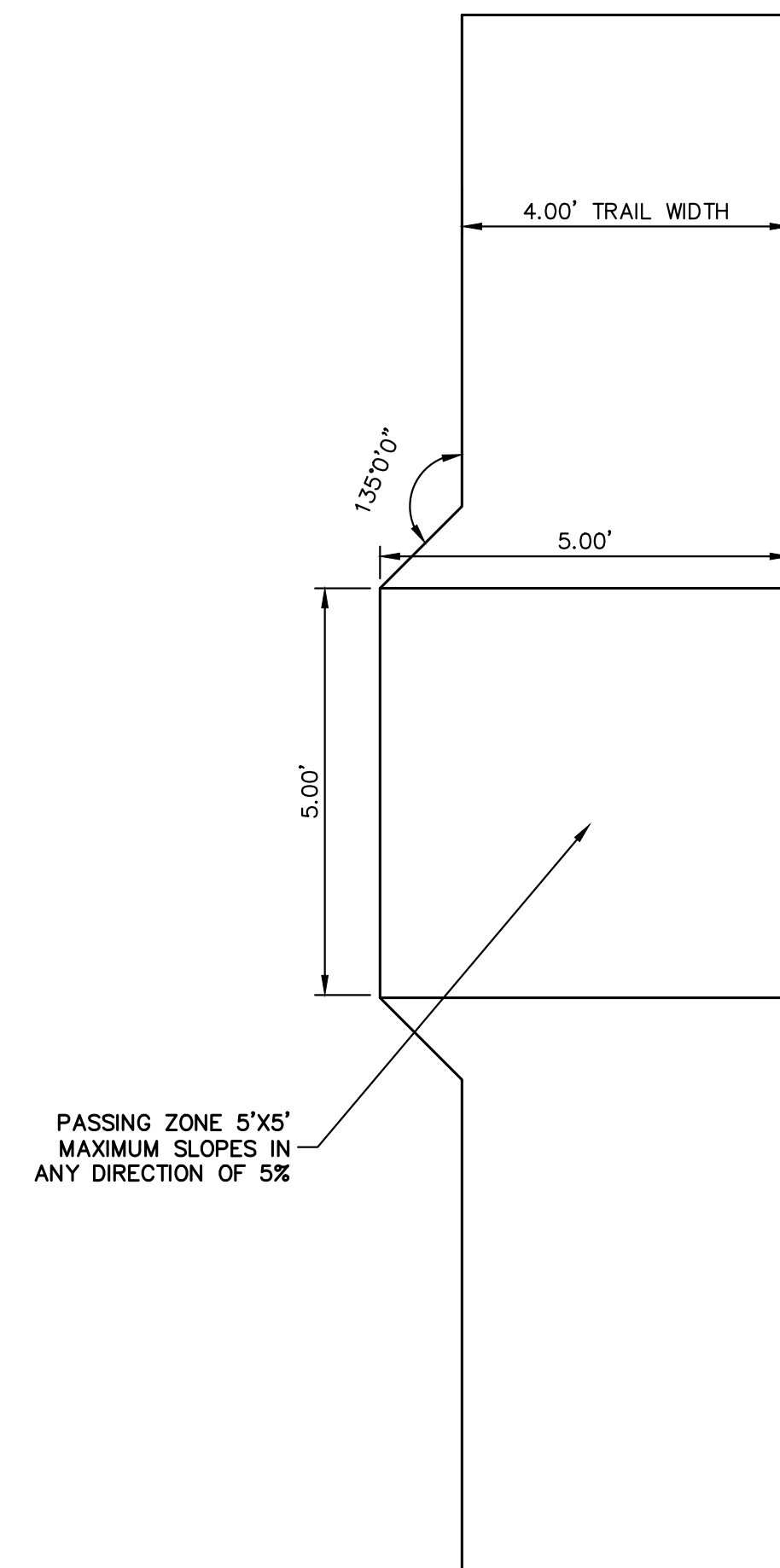
Colorado Department of Transportation

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 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2

 Lewis Palmer School District 38

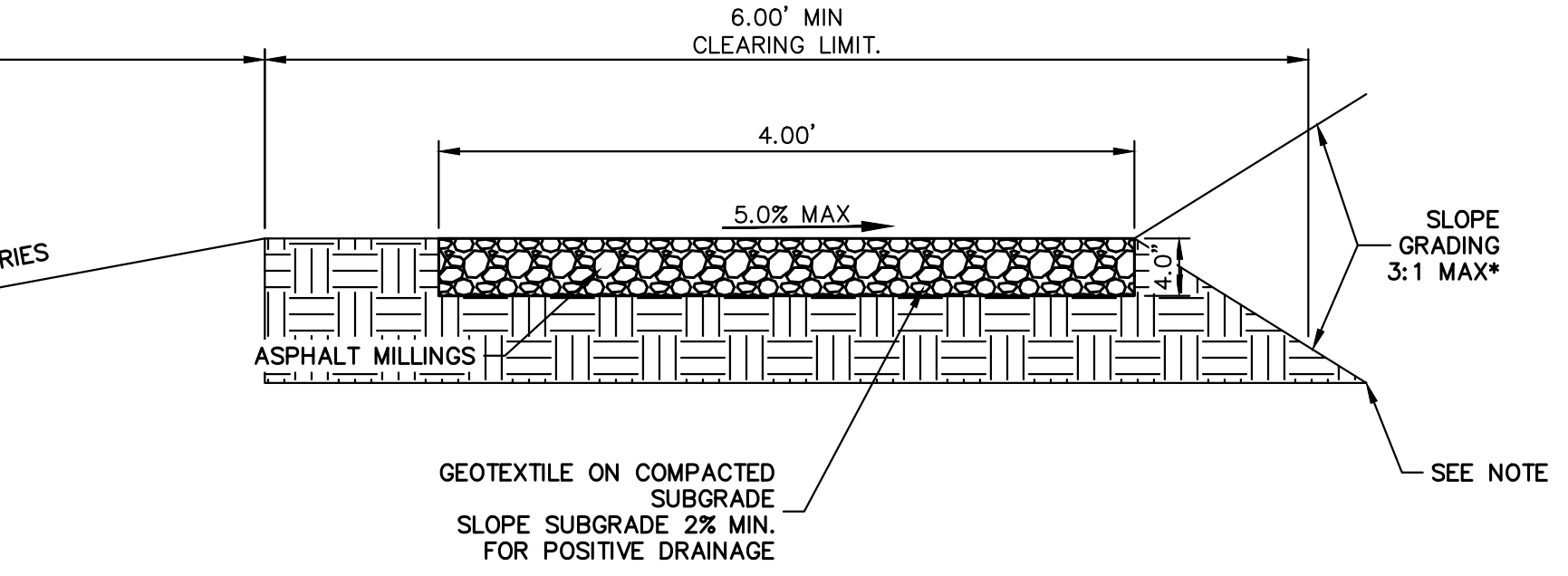
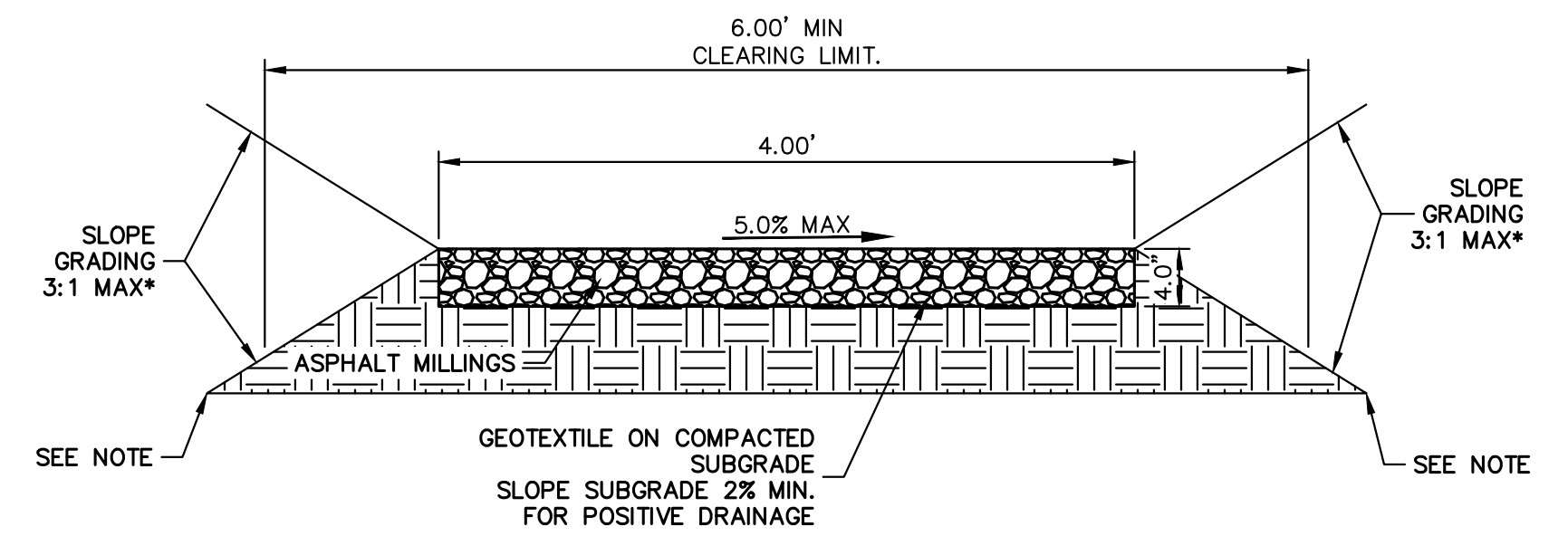
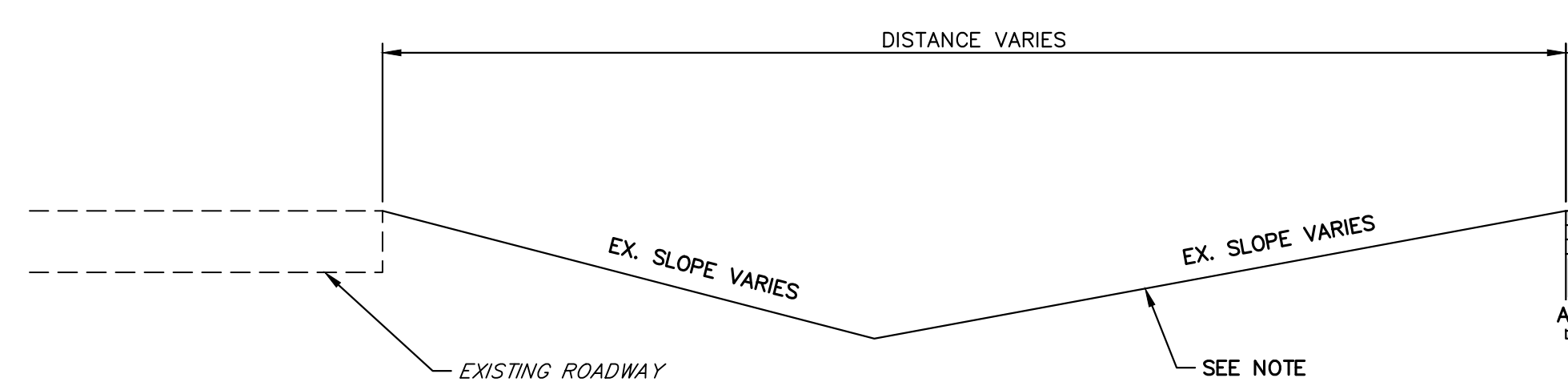
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| No Revisions: | | | | | M915-009/22585 |
| Revised: | Designer: | GG | Structure | | 2520300 |
| Void: | Detailer: | GG | Numbers | | |
| | Sheet Subset: | | Subset Sheets: | OF | Sheet Number 3 OF 42 |

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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.



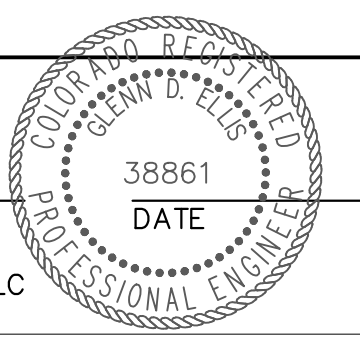
* - UNLESS STATED OTHERWISE IN THE PLANS OR CROSS-SECTIONS

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



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



Print Date: 11/23/2022
 File Name:
 Horiz. Scale: N.T.S. Vert. Scale:
 Unit name Unit leader
J-R ENGINEERING
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| Sheet Revisions | | |
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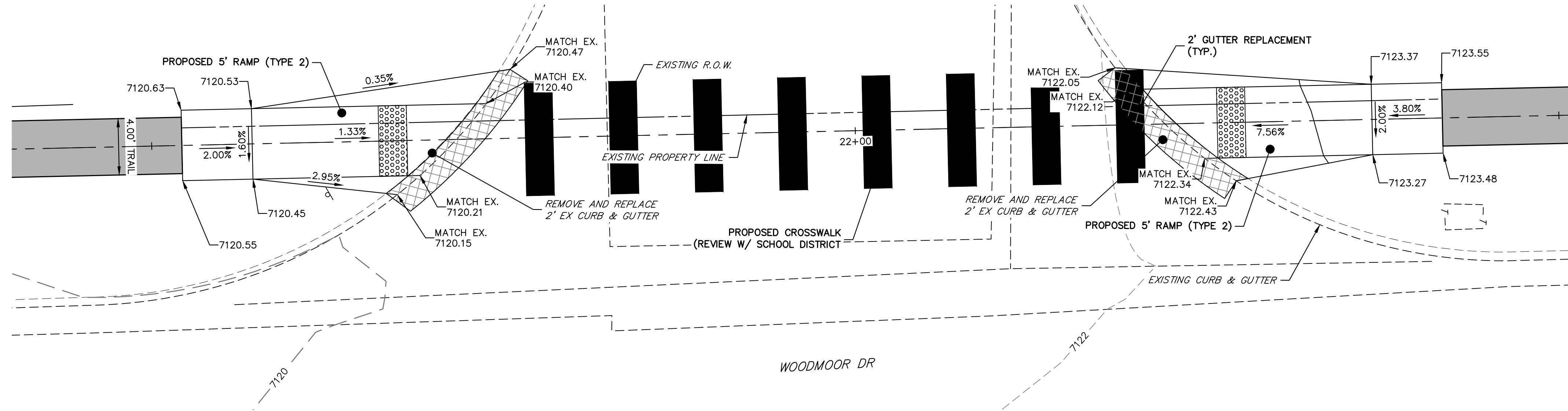
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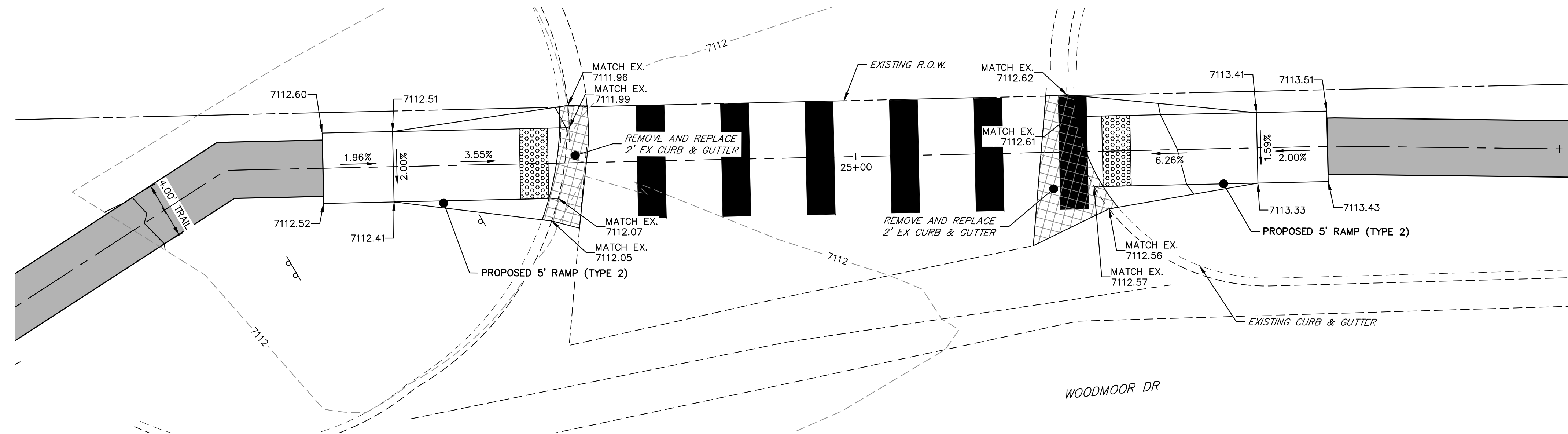
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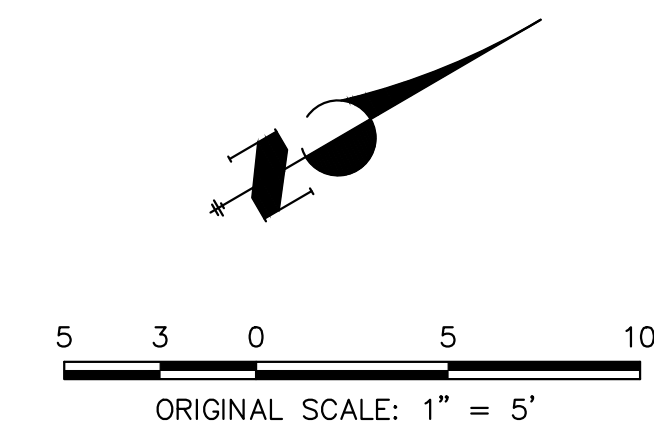
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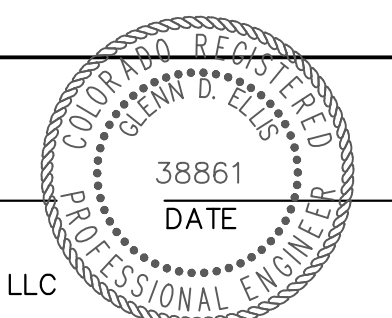


RAMP DETAIL
STA: 24+48.28 TO 25+62.62



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

Print Date: 11/23/2022

File Name:

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

Unit name Unit leader

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| LEWIS PALMER TRAIL RAMP DETAILS | | | |
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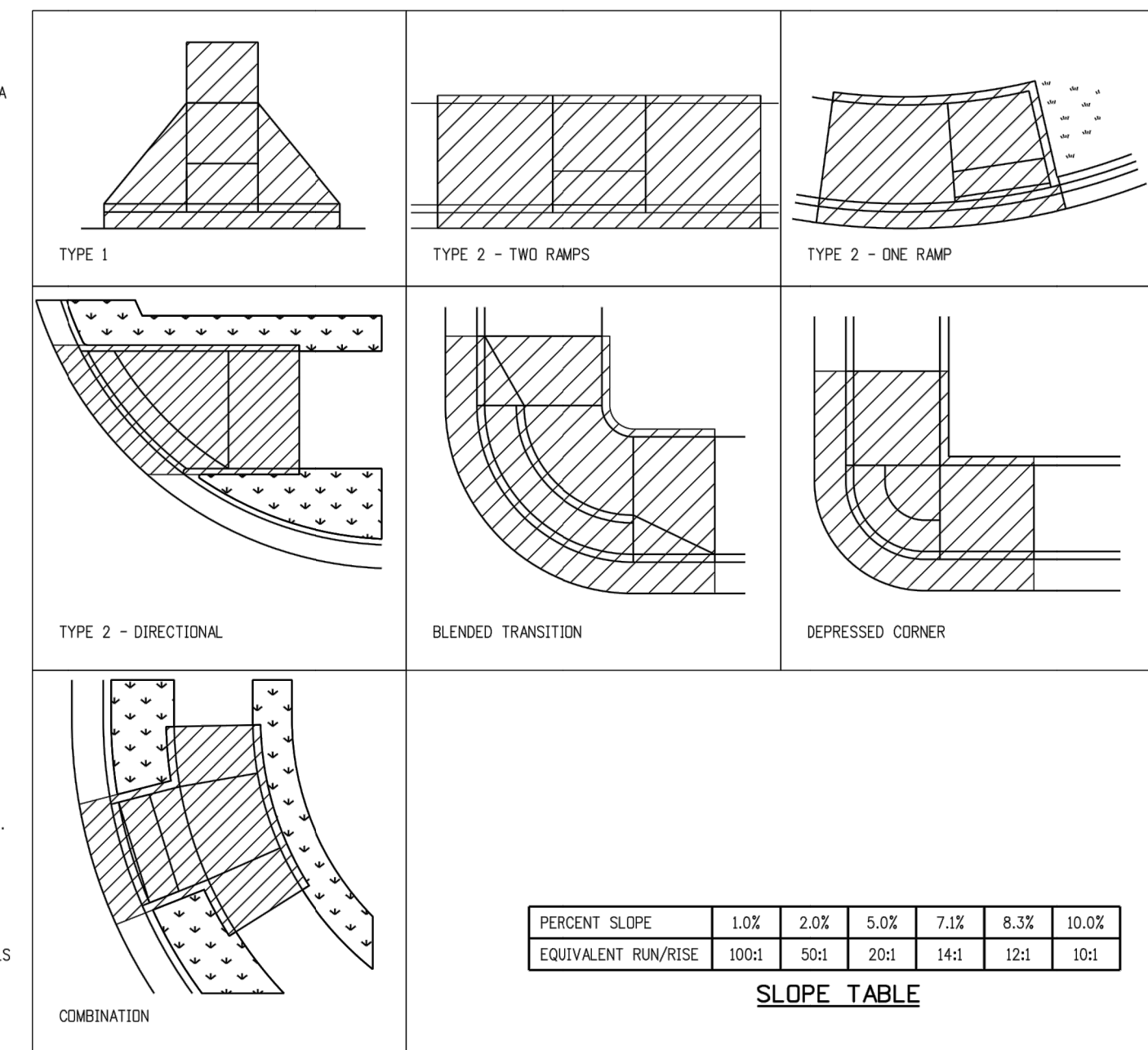
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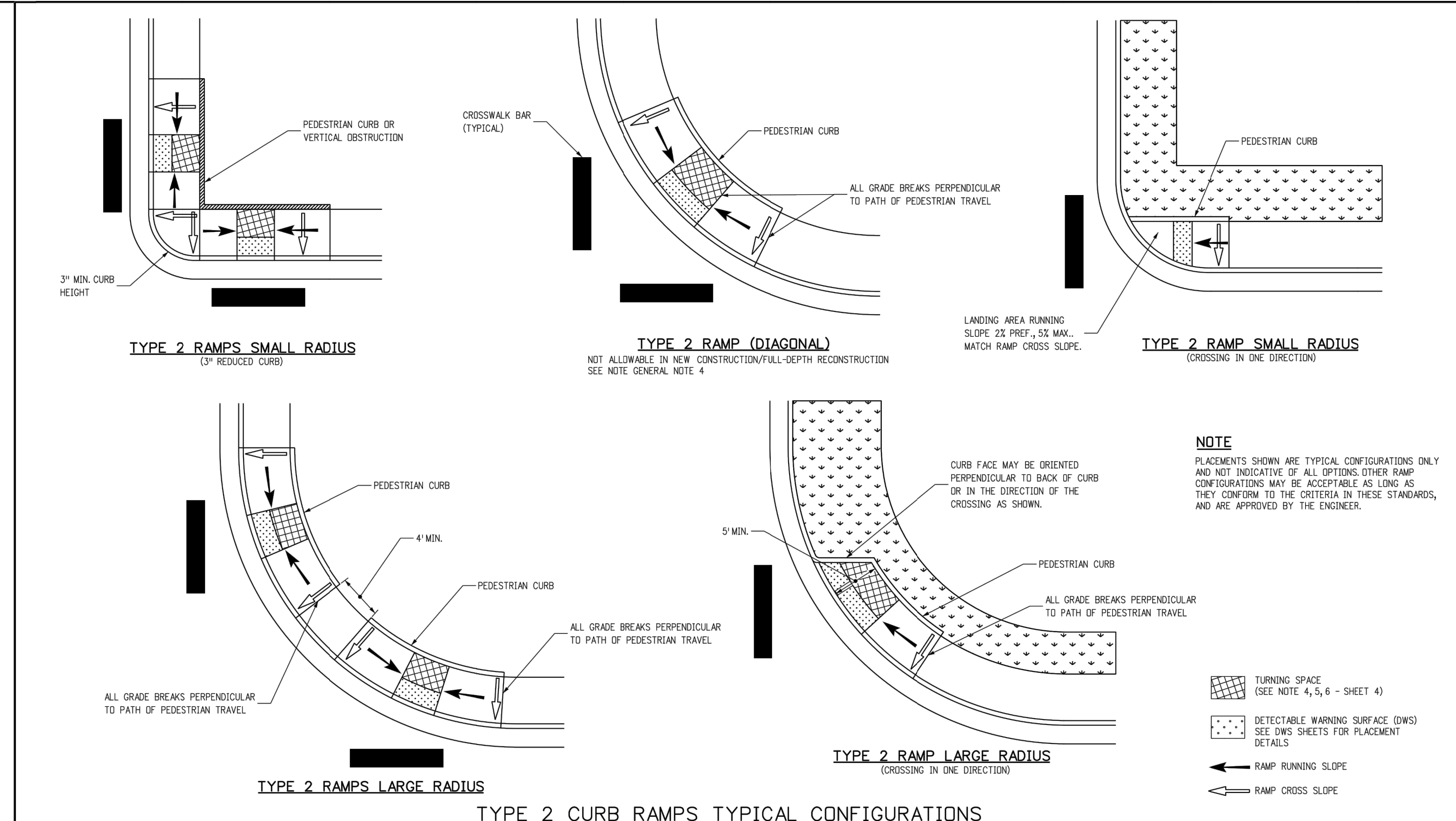
CURB RAMP GENERAL NOTES:

- 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 6:0-9:0%

CURB RAMP PAY AREAS



GENERAL NOTES & PAY AREAS



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Region 2

Lewis Palmer School District 38

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 Revised:
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LEWIS PALMER TRAIL
 RAMP DETAILS

Project No./Code
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Sheet Number 6 OF 42

Designer: GG Structure Numbers
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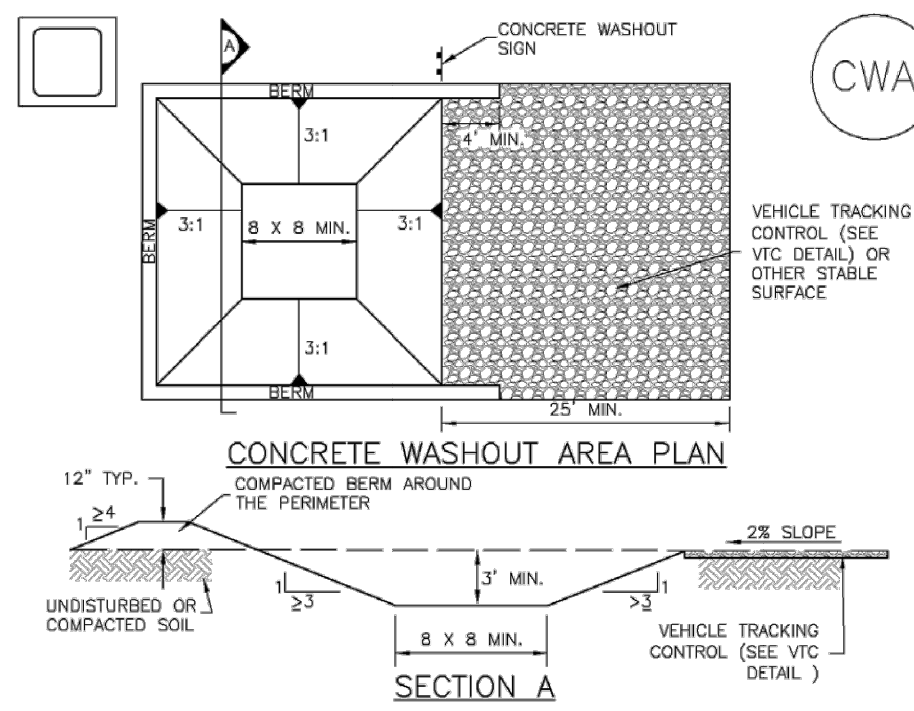
ENGINEER'S STATEMENT
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38861
 DATE

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

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Concrete Washout Area (CWA) MM-1



CWA-1. CONCRETE WASHOUT AREA

- 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 3' 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 12".
 - 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.

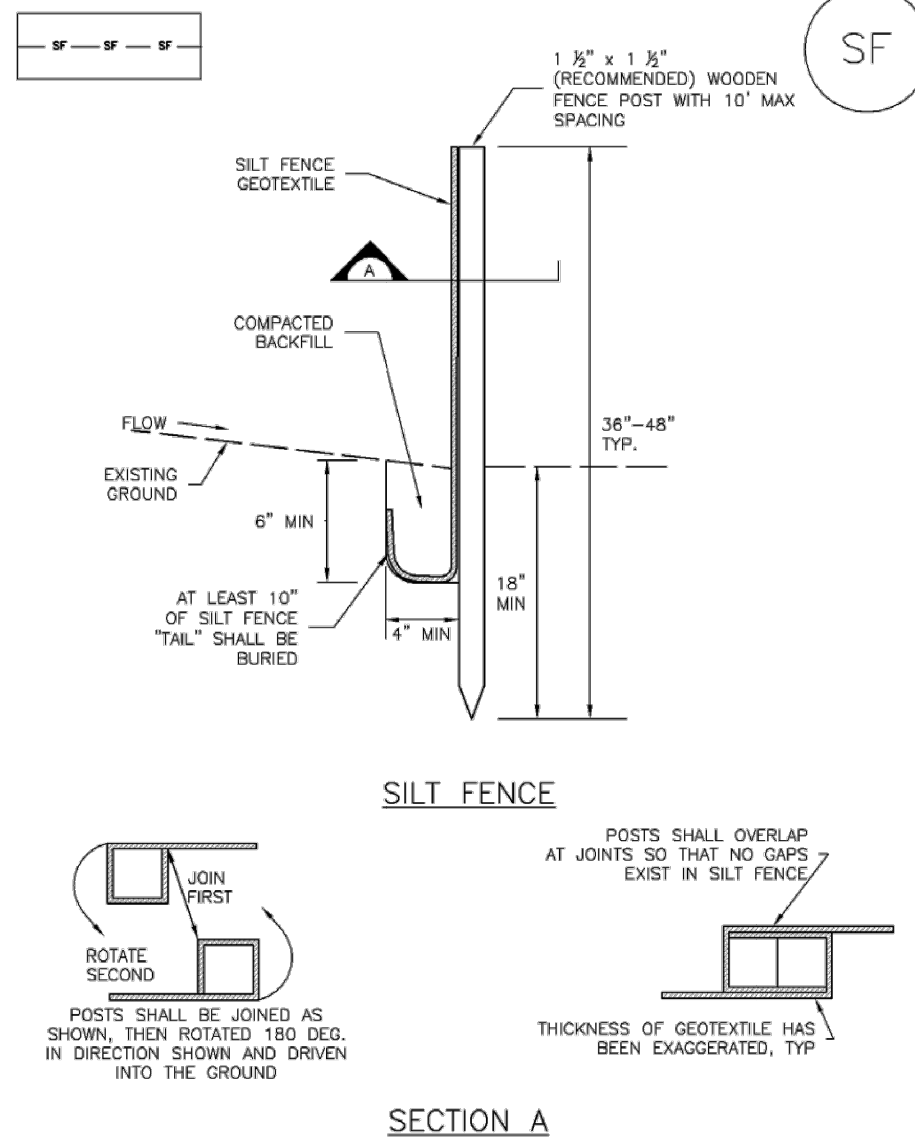
November 2010 Urban Drainage and Flood Control District CWA-3
Urban Storm Drainage Criteria Manual Volume 3

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)

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

Silt Fence (SF) SC-1



SF-1. SILT FENCE

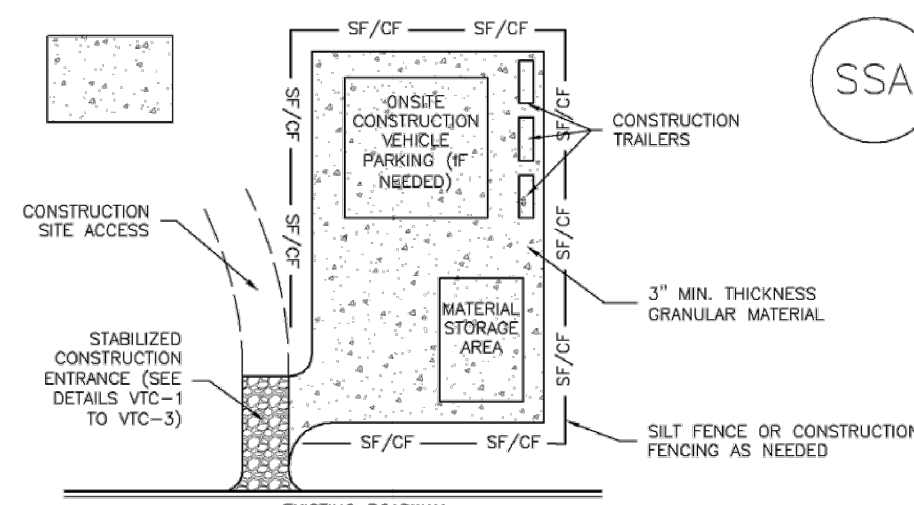
- SILT FENCE INSTALLATION NOTES**
- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-3 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
 - A UNIFORM 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-3
Urban Storm Drainage Criteria Manual Volume 3

Silt Fence (SF) SC-1

Stabilized Staging Area (SSA) SM-6



SSA-1. STABILIZED STAGING AREA

- 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 REGRADDED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

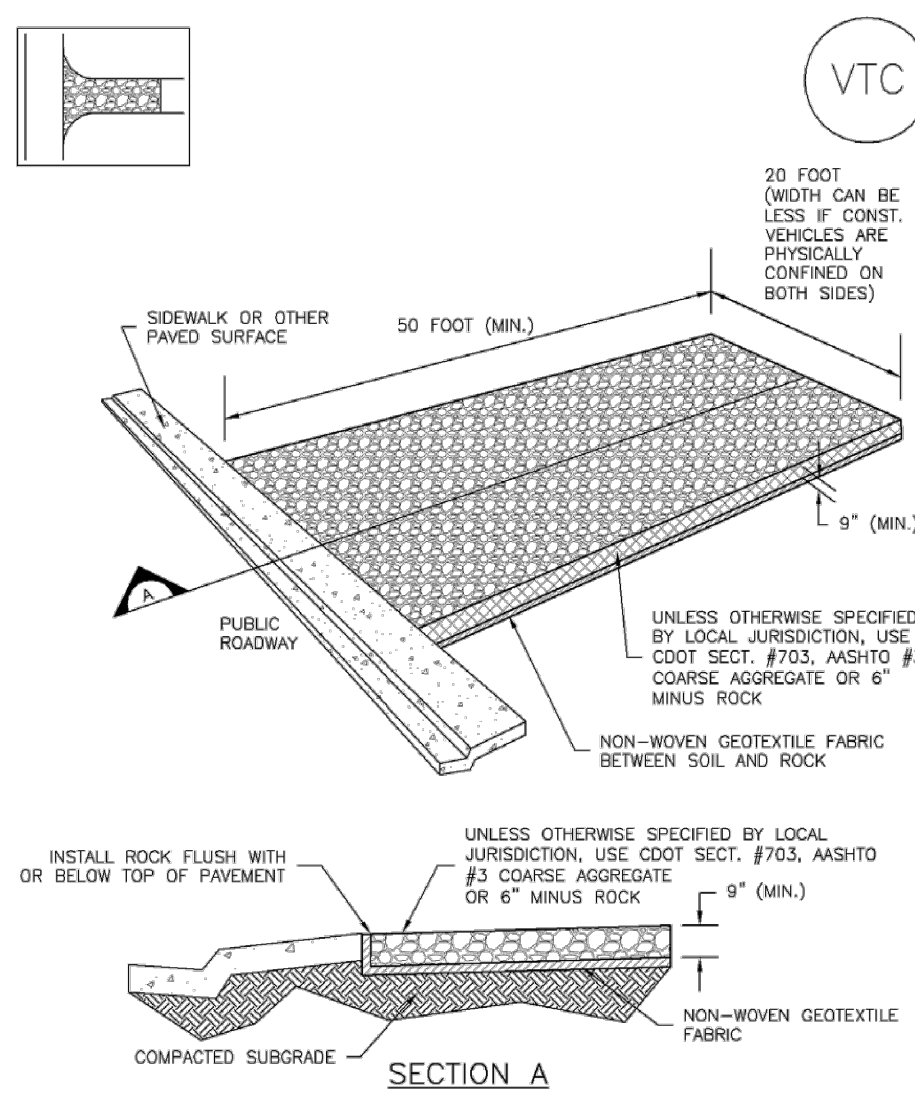
November 2010 Urban Drainage and Flood Control District SSA-3
Urban Storm Drainage Criteria Manual Volume 3

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)

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

Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

GEC NOTES:

- LOCATIONS OF CONCRETE WASHOUT AREAS, SILT FENCE, STABILIZED STAGING AREAS, AND VEHICLE TRACKING CONTROL SHALL BE REVIEWED AND APPROVED BY THE SCHOOL DISTRICT PRIOR TO INSTALLATION.

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

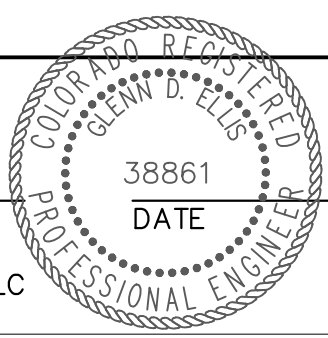
ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

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



Know what's below.
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Print Date: 11/23/2022
File Name:
Horiz. Scale: N/A Vert. Scale: N/A
Unit name Unit leader
J-R ENGINEERING
A Westrian Company
Central 303-740-9393 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

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

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| As Constructed |
| No Revisions: |
| Revised: |
| Void: |

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

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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 7 OF 42 |

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 OPERATION 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 HVEM 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.

GRADING AND EROSION CONTROL STANDARD NOTES

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP IS APPROVED AND A NOTICE TO PROCEED HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- NO SOILS REPORT HAS BEEN PROVIDED FOR THIS SITE.
- AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SMWP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

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

UTILITIES:

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

SIGNING, STRIPING, TRAFFIC CONTROL NOTES:

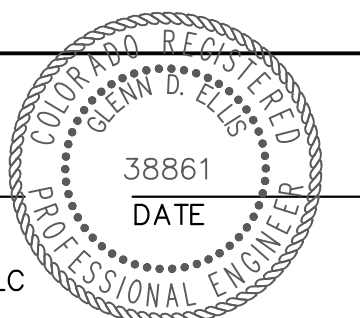
- CONSTRUCTION TRAFFIC CONTROL SHALL CONFORM TO THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CDOT STANDARD S-630-1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A METHOD OF HANDLING TRAFFIC (MHT) TO THE ENGINEER FOR APPROVAL FOR EACH APPLICABLE PHASE OF WORK. ALL COST FOR CONTROLLING TRAFFIC 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.



Know what's below.
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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: 11/23/2022 | Sheet Revisions | | | Colorado Department of Transportation | As Constructed | LEWIS PALMER TRAIL | | | Project No./Code |
| File Name: | Date: | Comments | Init. | | | No Revisions: | NOTES | | |
| Horiz. Scale: N/A | Vert. Scale: N/A | | | 5615 WILL BLVD. Pueblo, CO 81008 Phone: 719-546-5750 Region 2 | Revised: | Designer: | GG | Structure | 2520300 |
| Unit name | Unit leader | | | | | Detailer: | GG | Numbers | |
| J-R ENGINEERING A Westrian Company Centennial 303-740-9393 • Colorado Springs 719-593-2583 Fort Collins 970-491-9888 • www.jrengineering.com | | | | Lewis Palmer School District 38 | Void: | Sheet Subset: | Subset Sheets: | OF | Sheet Number 8 OF 42 |

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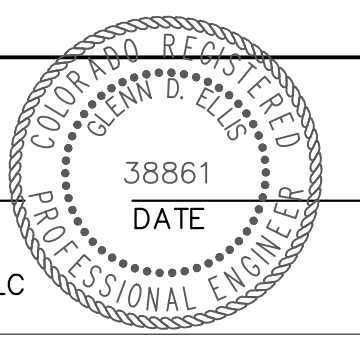
| CDOT ITEM NO. | DESCRIPTION | UNIT | QUANTITY | |
|---------------|---|------|----------|-----------|
| | | | PLAN | AS CONST. |
| 201-00000 | Clearing and Grubbing | LS | 1 | |
| 202-00203 | Removal of Curb and Gutter | LF | 50 | |
| 203-00060 | Embankment Material (Complete In Place) | CY | 110 | |
| 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 | 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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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: 11/23/2022

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. |
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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 | Sheet Subset: | Sheet Number 9 OF 42 |
| | 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 |
| | - | 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:

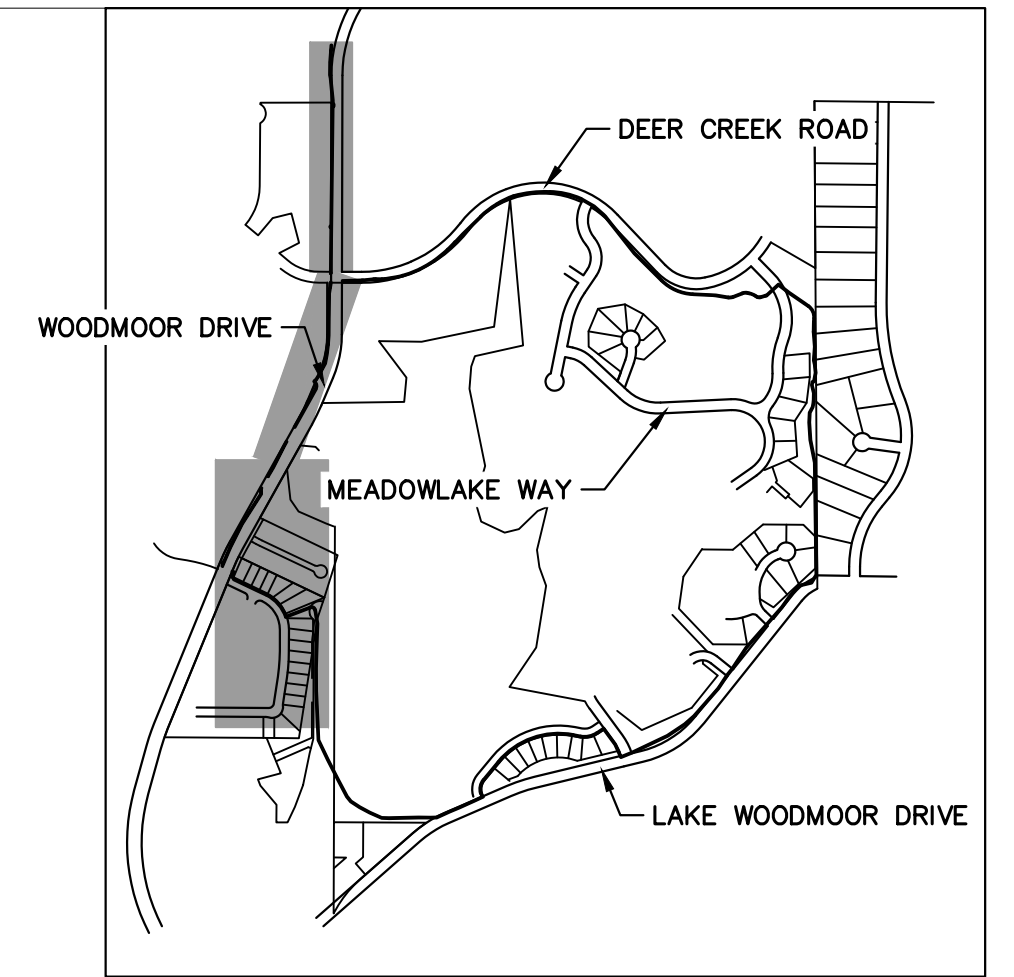
- Unless indicated otherwise on this Survey Tabulation Sheet, all survey work and staking intervals shall be done in accordance with the latest edition of the CDOT Survey Manual.
- Adequate information for establishing lines, grades, and locations for all work items have been specified on the plans. 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: 11/23/2022
 File Name: _____
 Horiz. Scale: 1"=XX' Vert. Scale: _____
 Unit name Unit leader
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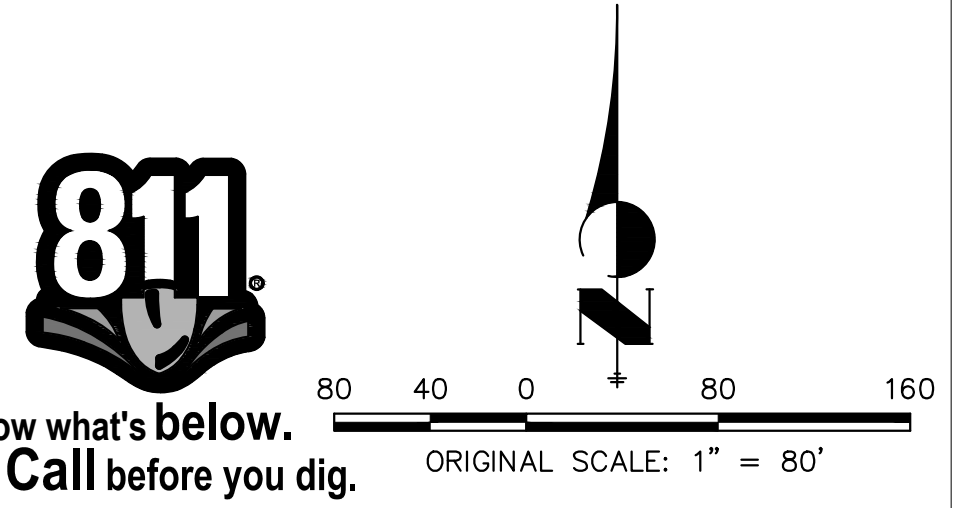
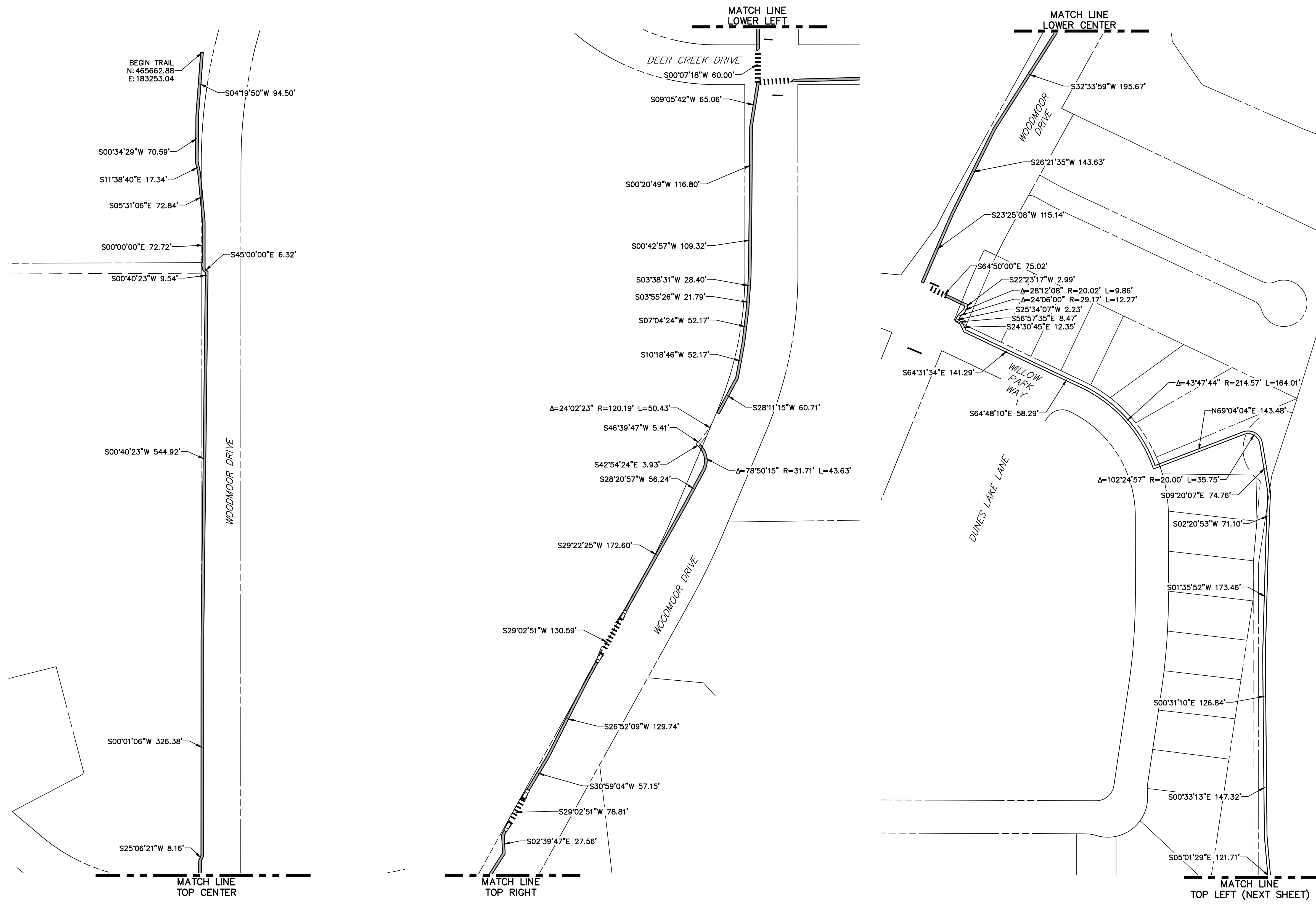
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 Region 2

| As Constructed | LEWIS PALMER TRAIL SURVEY TABULATIONS | | | | Project No./Code |
|----------------|---------------------------------------|----|-------------------|-------------------|-----------------------|
| No Revisions: | | | | | M915-009/22585 |
| Revised: | Designer: | GG | Structure Numbers | | 2520300 |
| Void: | Detailer: | GG | Sheet Subset: | Subset Sheets: OF | Sheet Number 10 OF 42 |



KEY MAP
SCALE: NOT TO SCALE



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Unit name Unit leader
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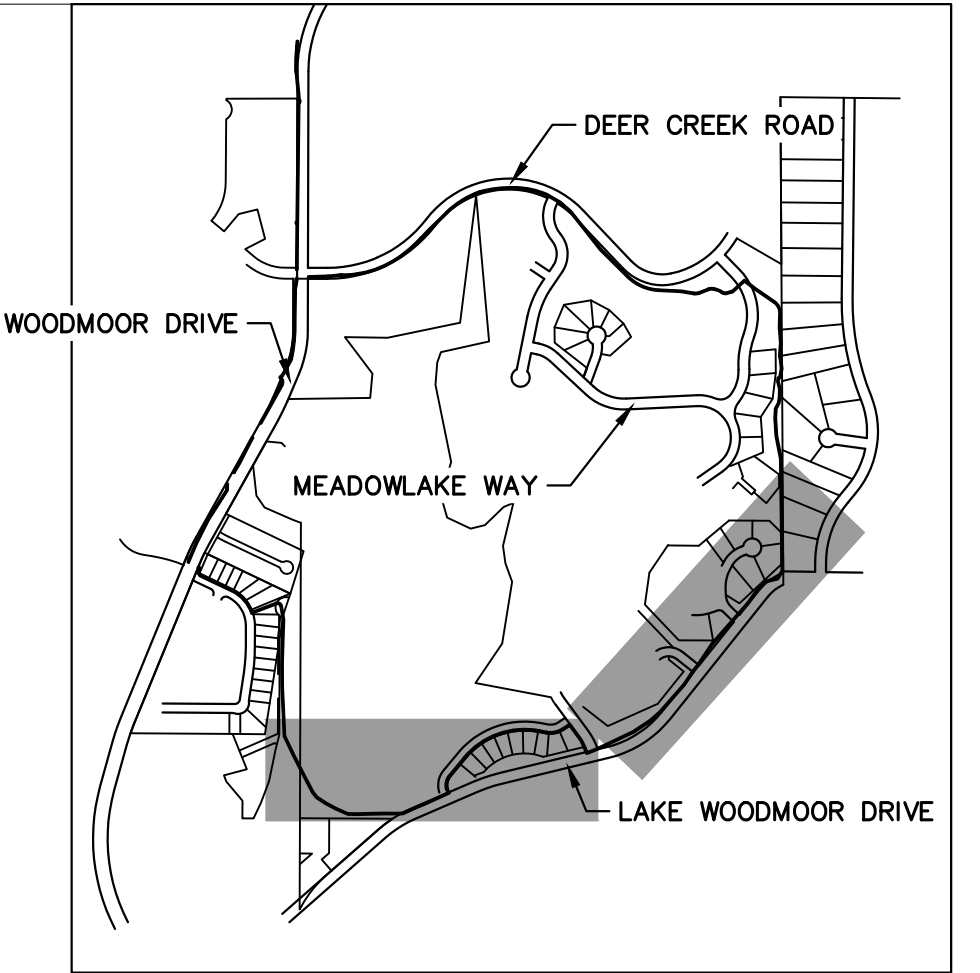
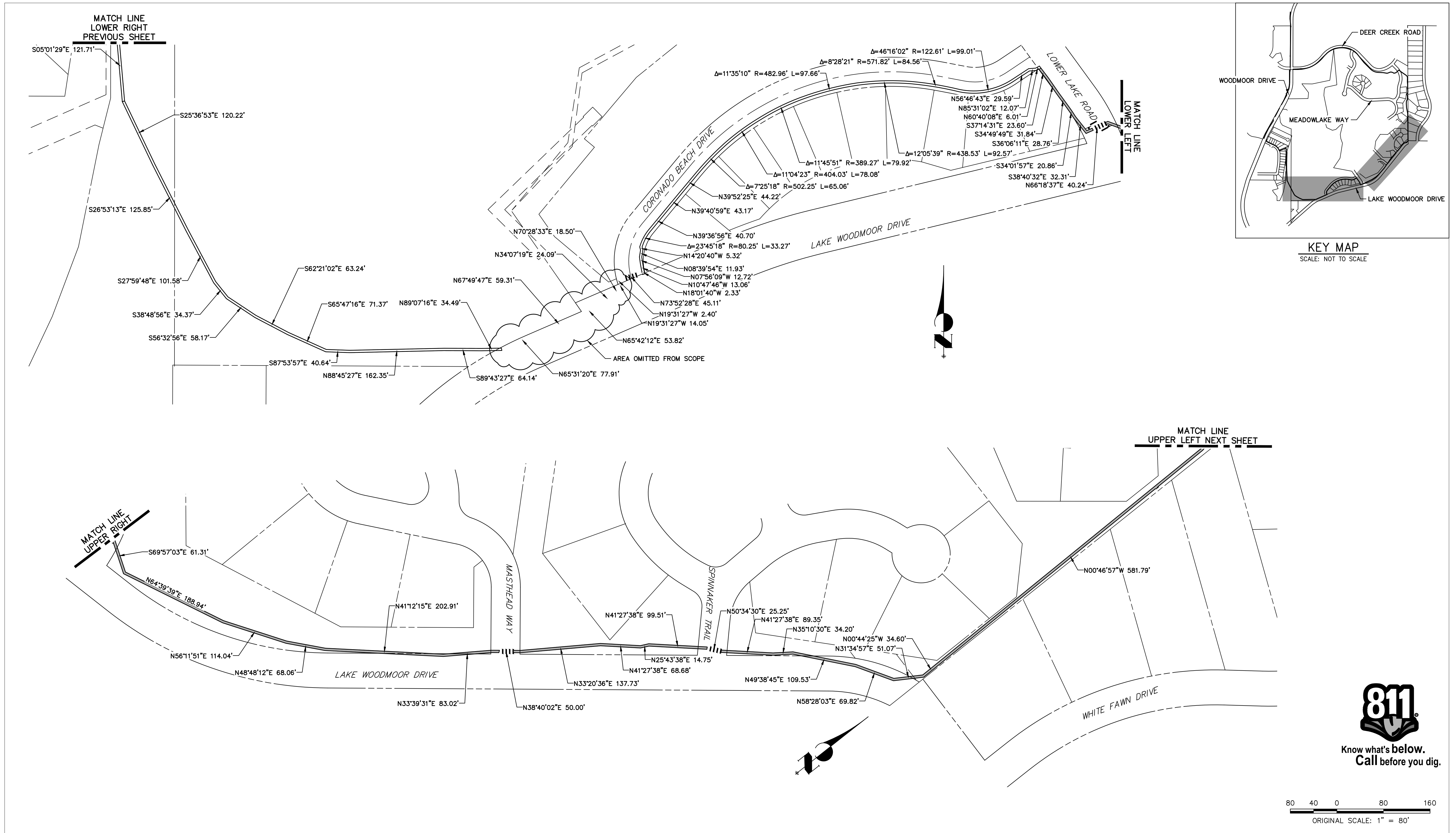
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Revised:
Void:

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

Project No./Code
M915-009/22585
2520300
Sheet Number 11 OF 42



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| File Name: | |
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| Unit name | Unit leader |
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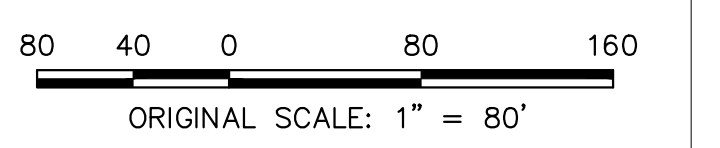
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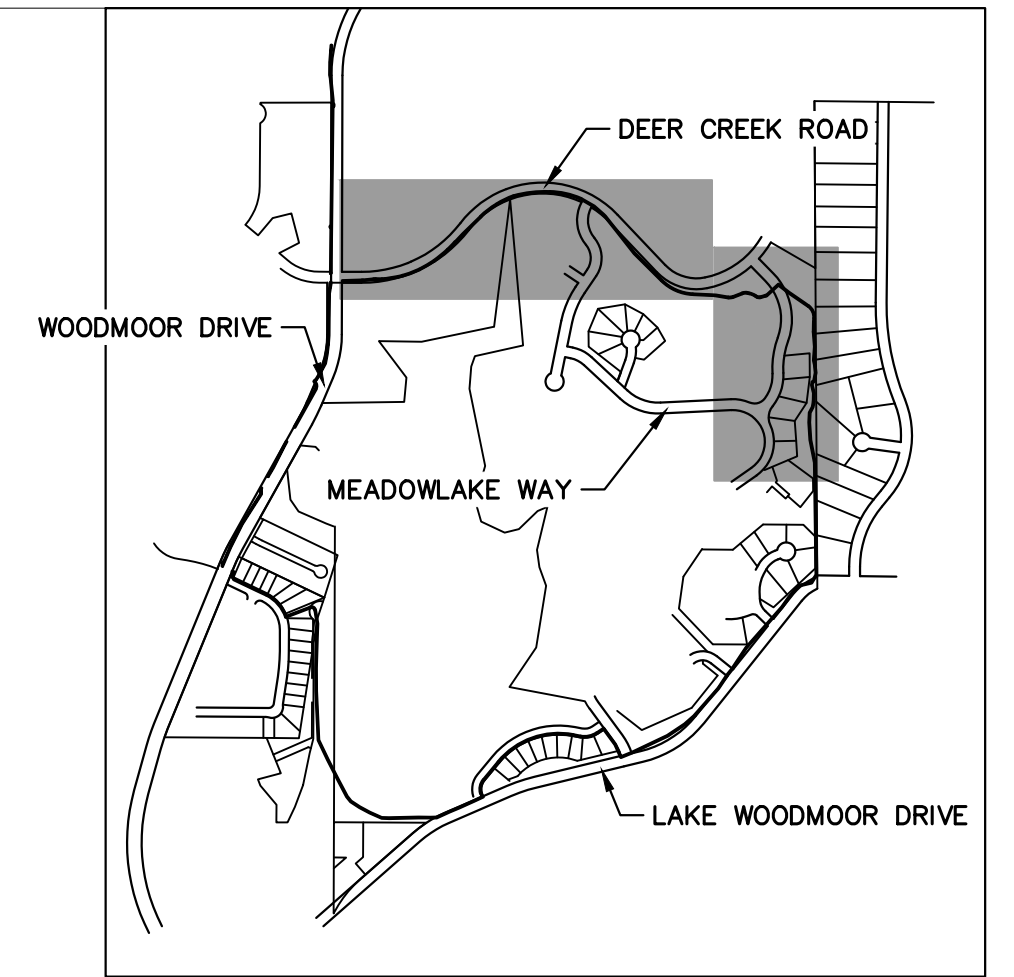
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| Detailer: | GG | Numbers | |
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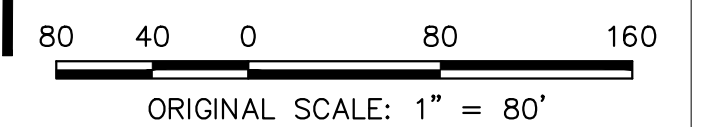
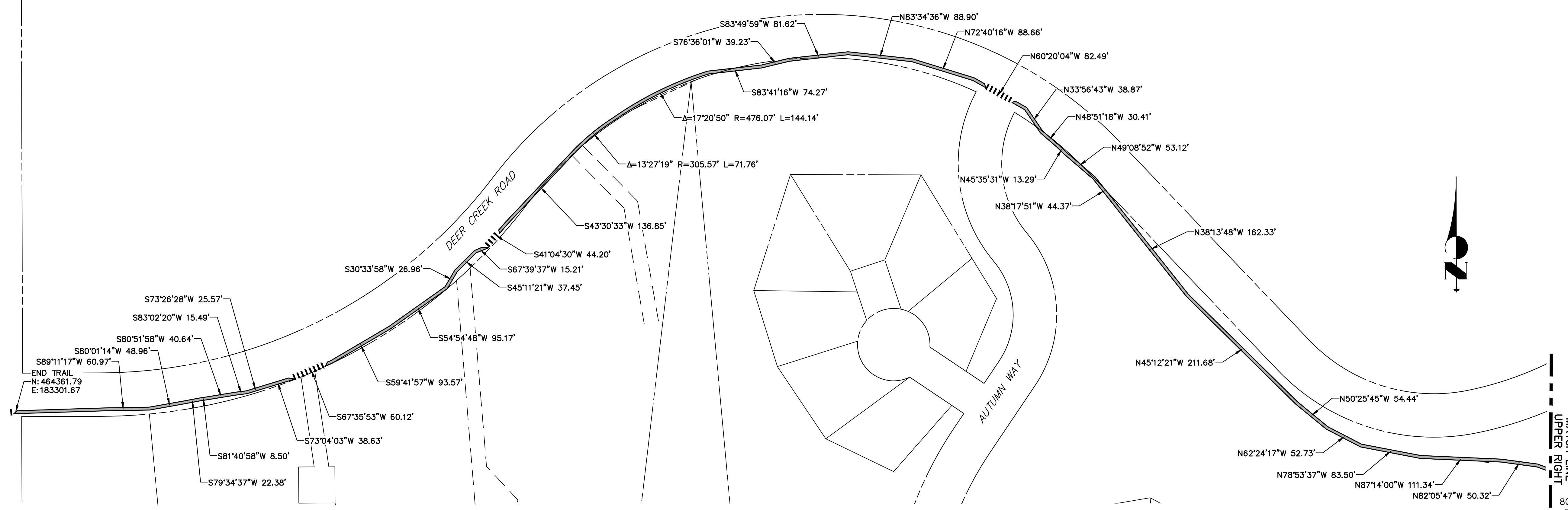
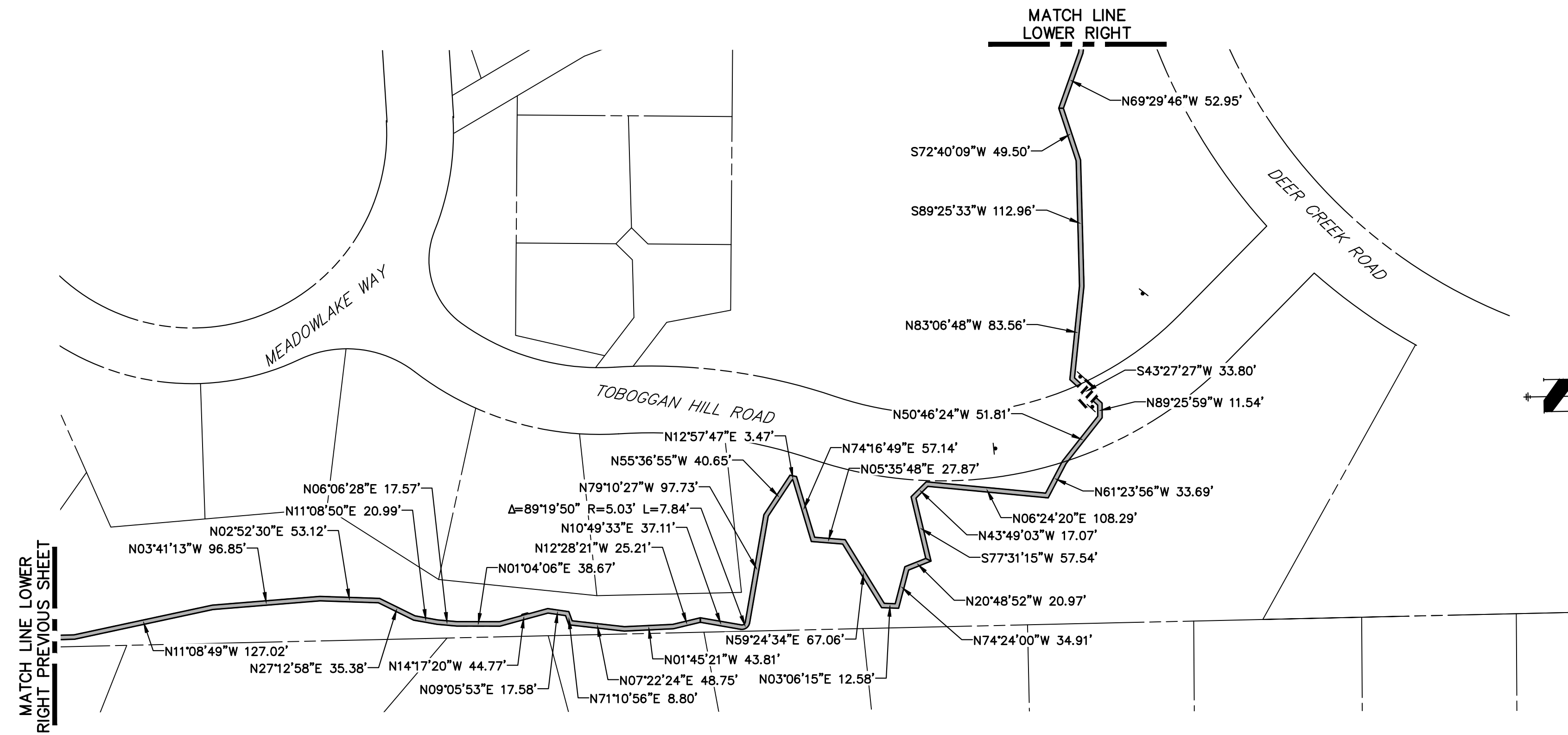
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| Project No./Code |
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| 2520300 |
| Sheet Number 12 OF 42 |



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File Name:

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Unit name Unit leader

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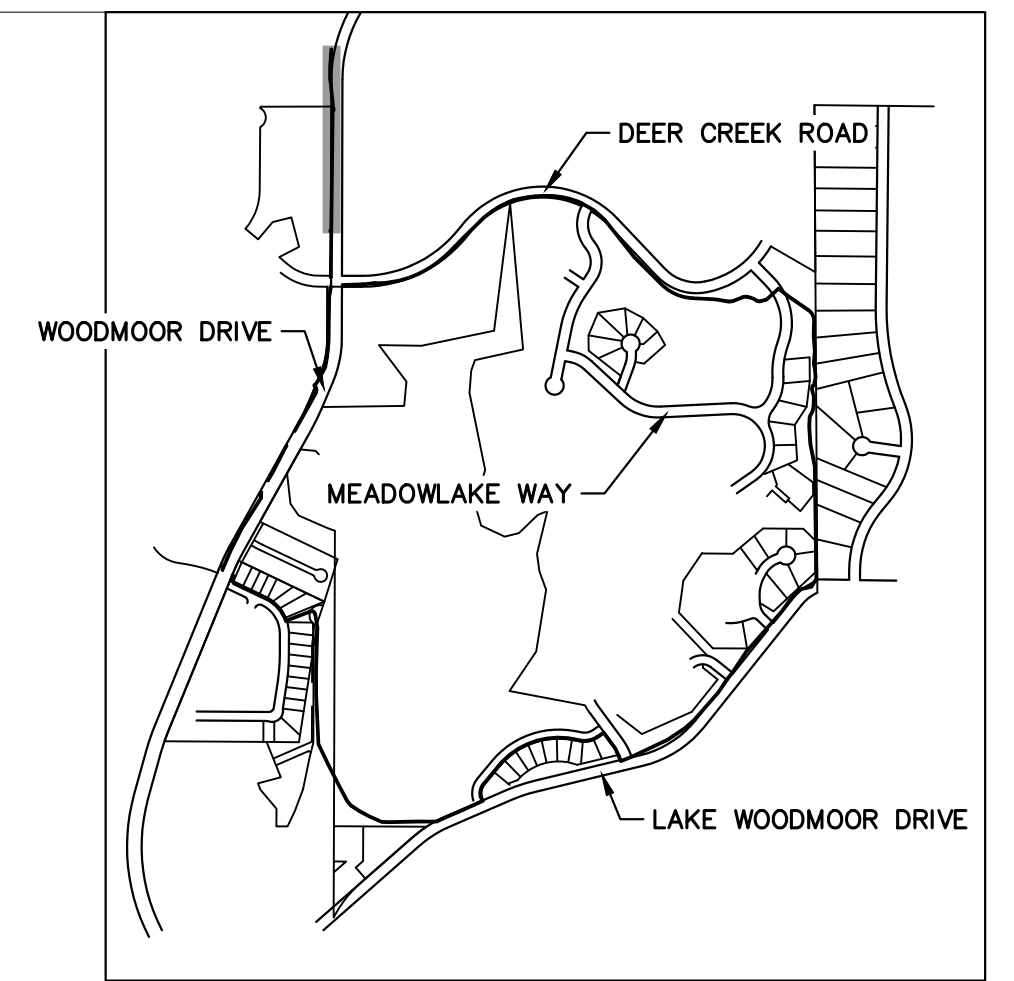
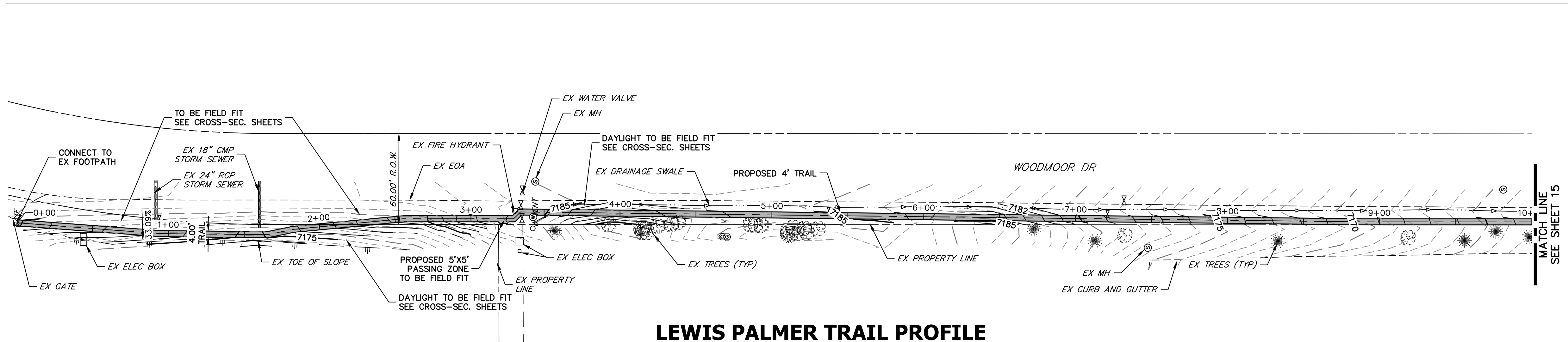
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| Revised: |
| Void: |

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| LEWIS PALMER TRAIL HORIZONTAL CONTROL | | | |
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| Detailer: | GG | Numbers | |
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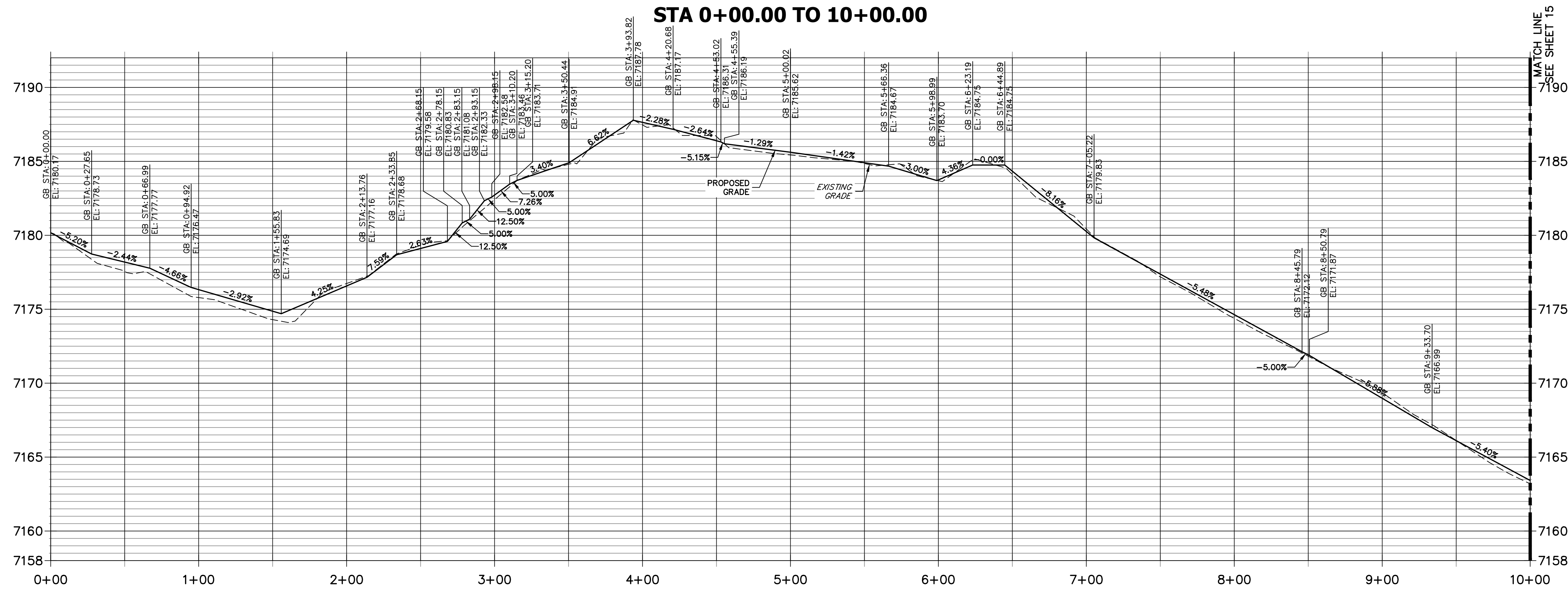
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| Project No./Code |
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| Sheet Number 13 OF 42 |

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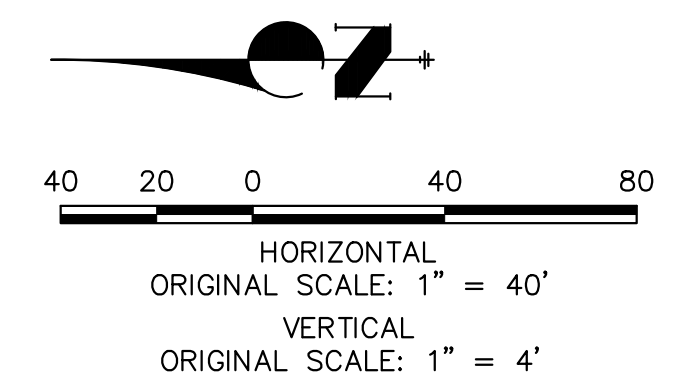


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LEWIS PALMER TRAIL PROFILE
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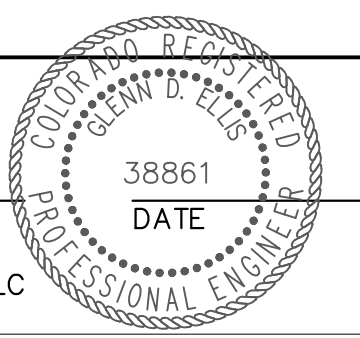
- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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.
 2. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.



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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: 11/23/2022
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
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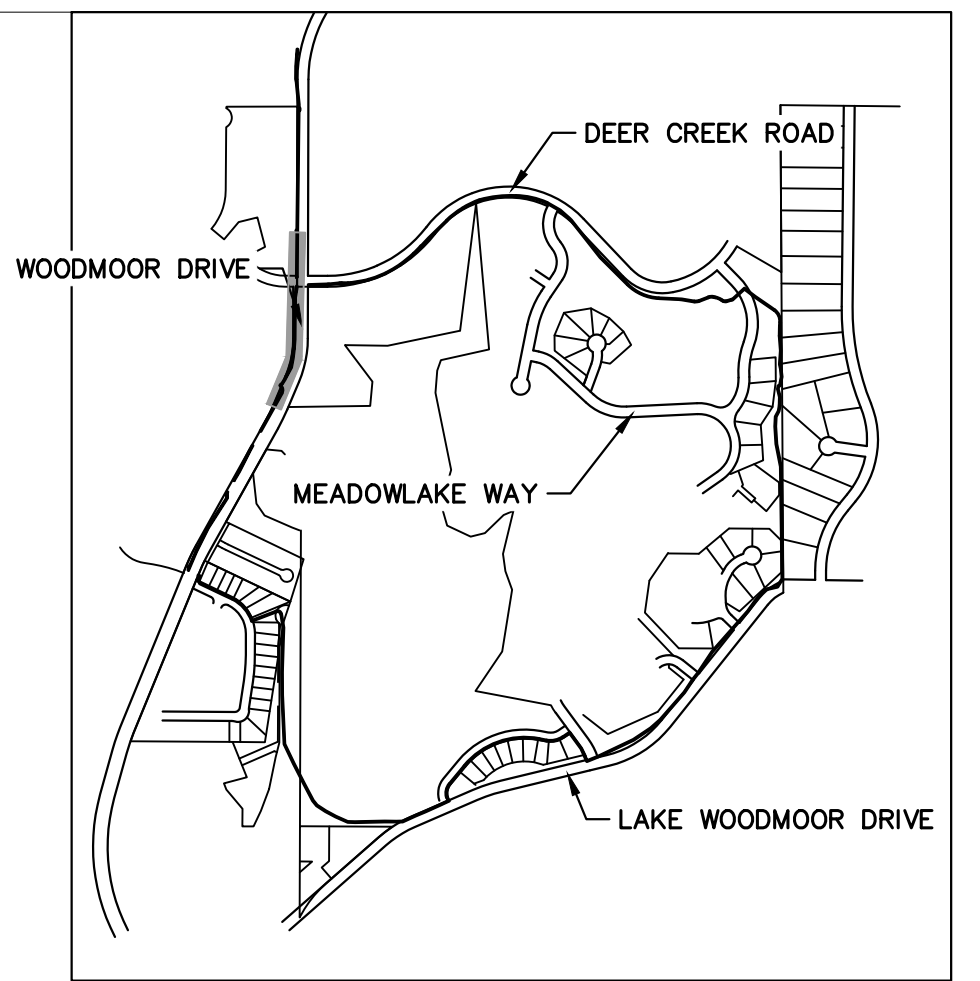
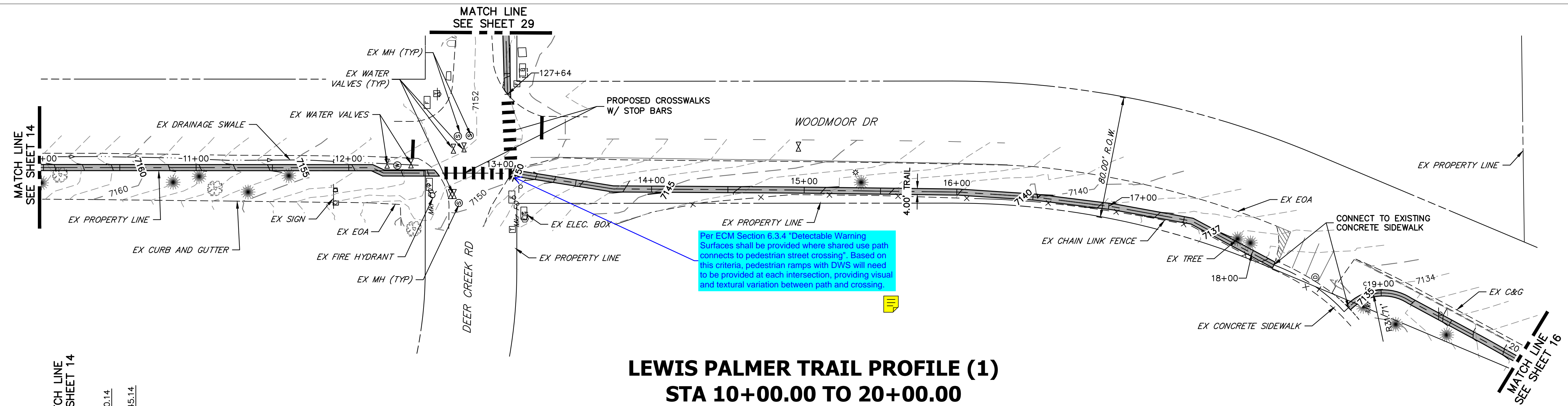
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CDOT
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| As Constructed |
| No Revisions: |
| Revised: |
| Void: |

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|---|----|-------------------|----|
| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
| Designer: | GG | Structure Numbers | |
| Detailer: | GG | | |
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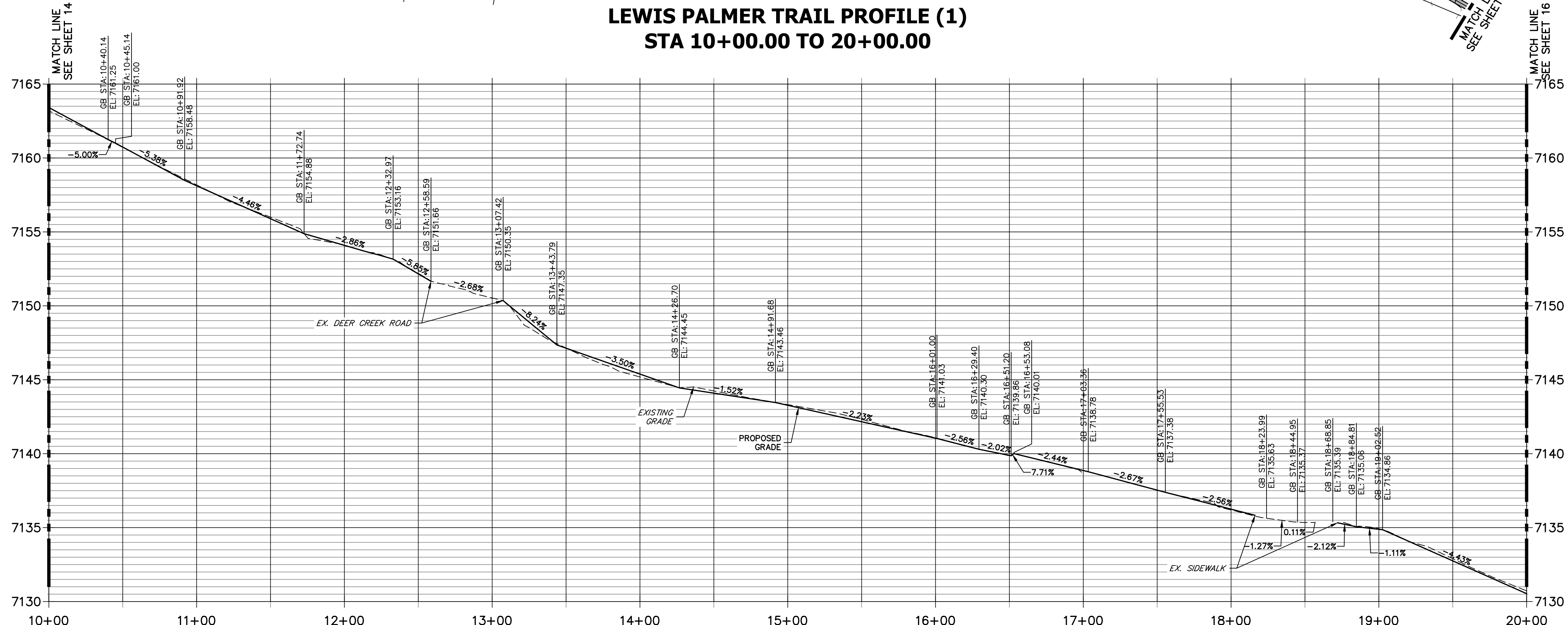
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| Project No./Code | M915-009/22585 |
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| Sheet Number | 14 OF 42 |

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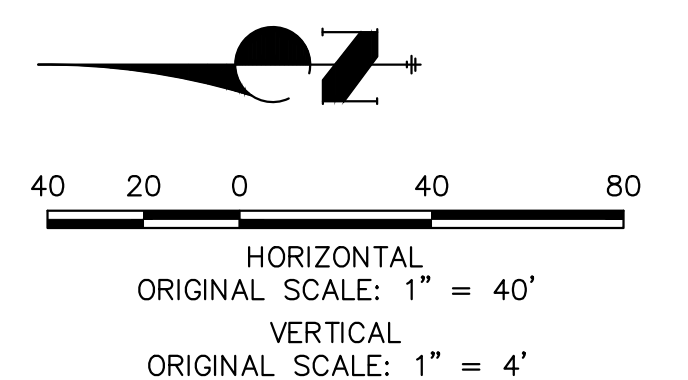


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LEWIS PALMER TRAIL PROFILE (1)
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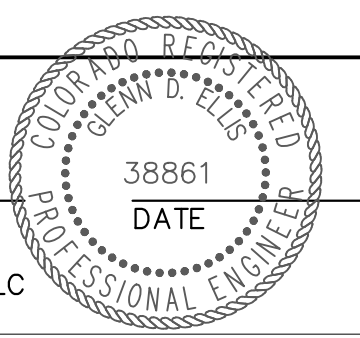
- NOTES:
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 - 2.



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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: 11/23/2022
File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader

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LEWIS PALMER TRAIL
TRAIL PLAN AND PROFILE

Designer: GG
Detailer: GG
Sheet Subset:

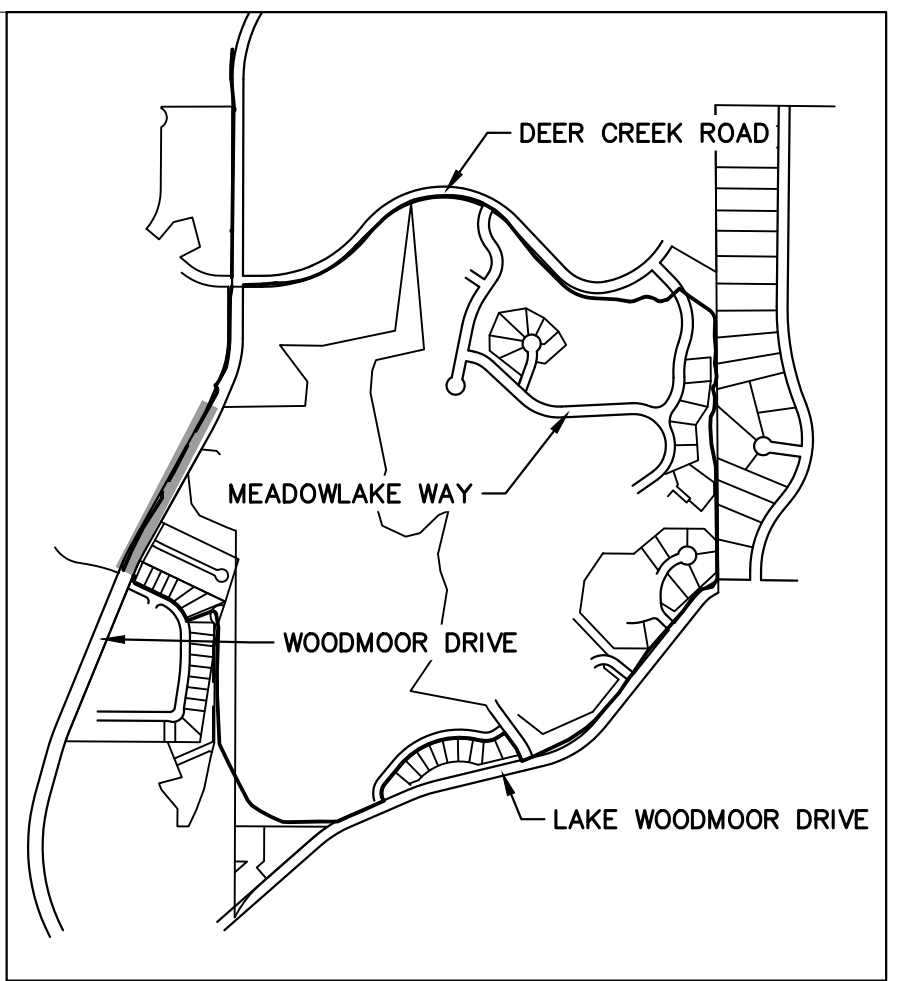
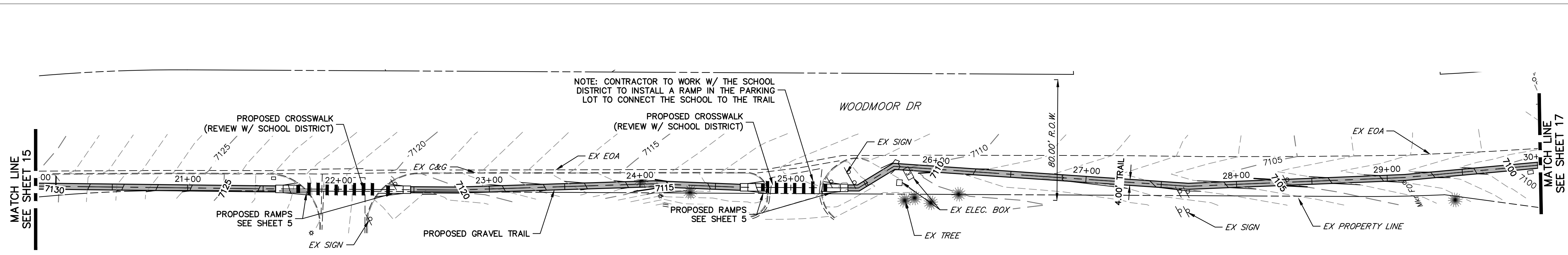
Structure Numbers
Subset Sheets: OF

Project No./Code
M915-009/22585

2520300

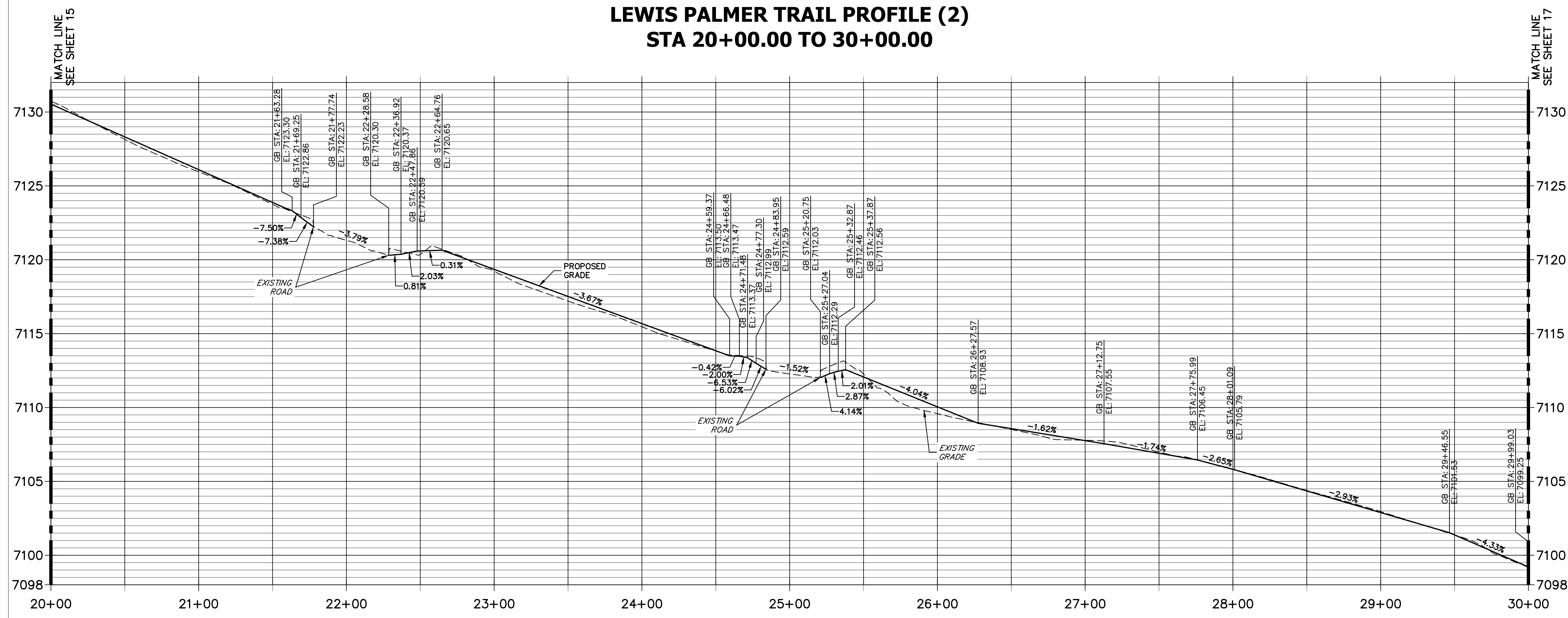
Sheet Number 15 OF 42

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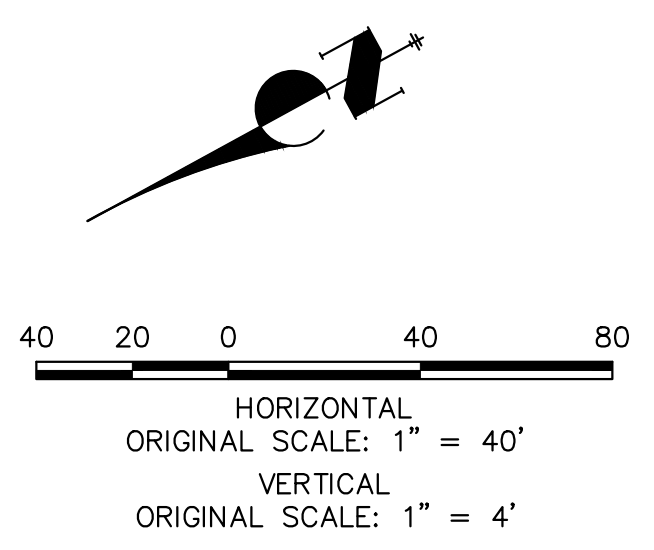


KEY MAP
SCALE: NOT TO SCALE

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

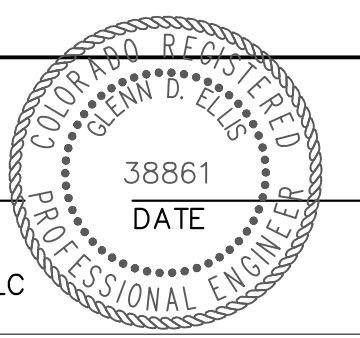


- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.
 - 2.



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: 11/23/2022
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 719-593-2583
Fort Collins 970-491-9888 • www.jrengineering.com

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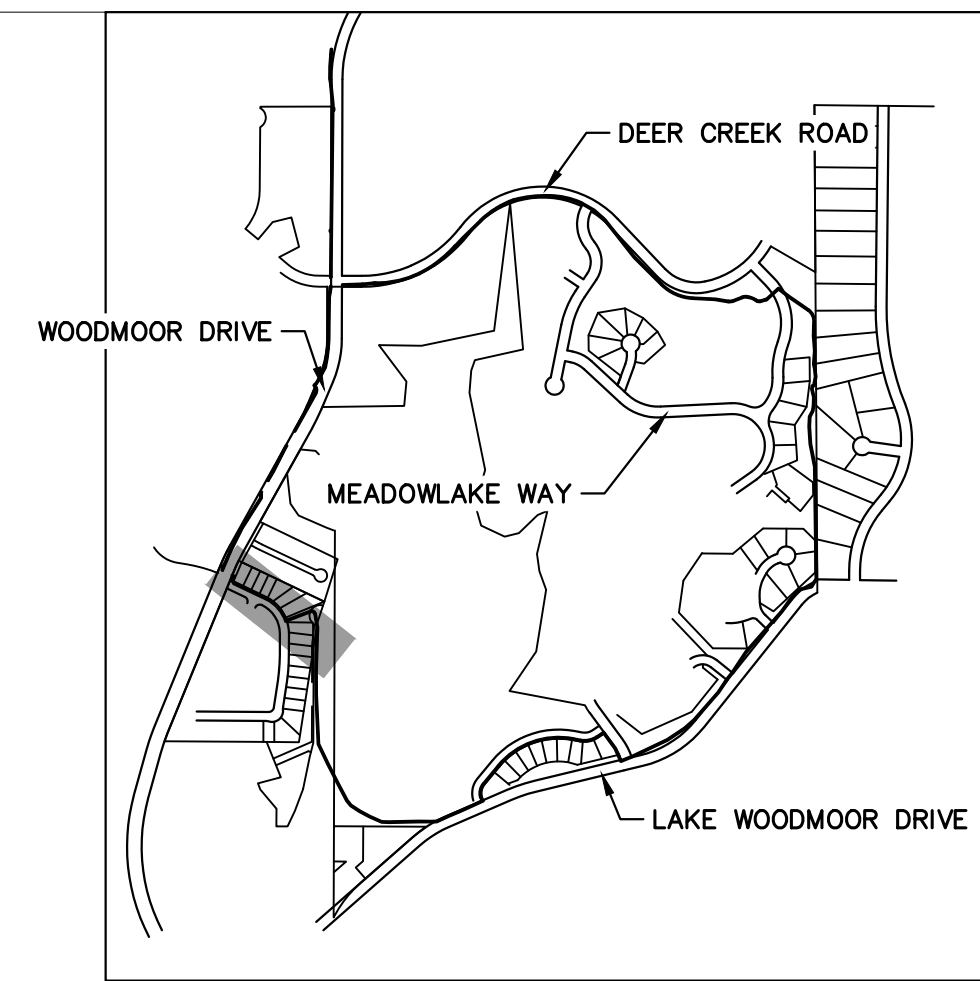
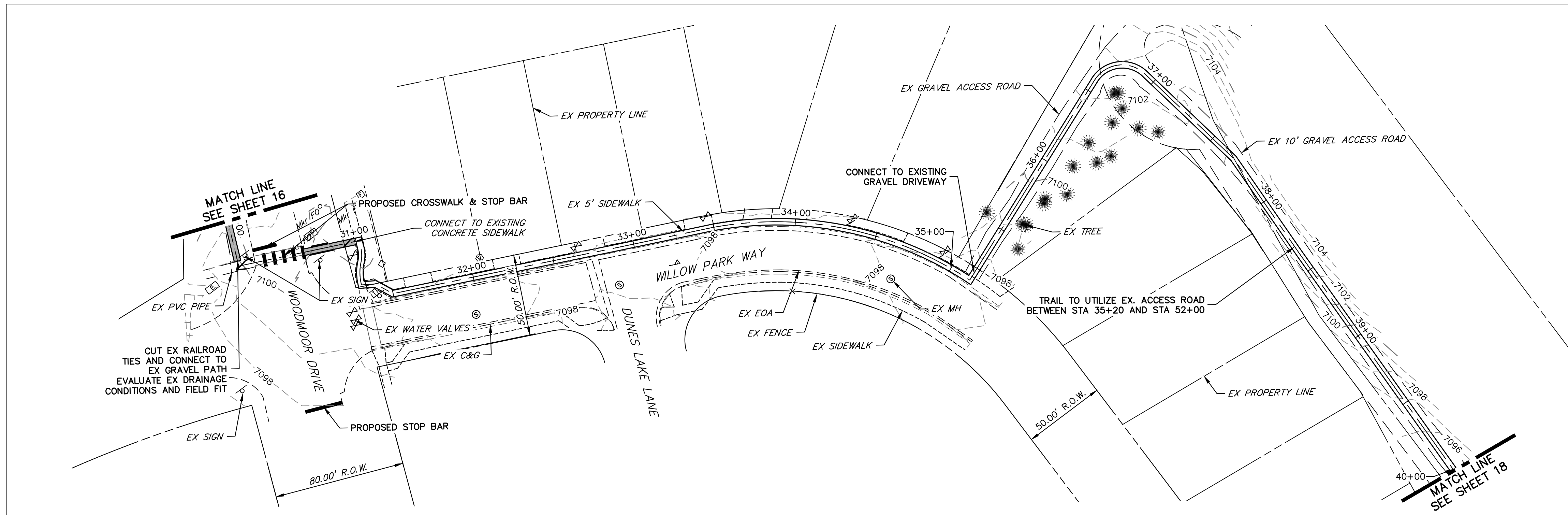
Colorado Department of Transportation
CDOT
Region 2
5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750
LP
Lewis Palmer School District 38

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| As Constructed |
| No Revisions: |
| Revised: |
| Void: |

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| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
| Designer: | GG | Structure | |
| Detailer: | GG | Numbers | |
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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 16 OF 42 |

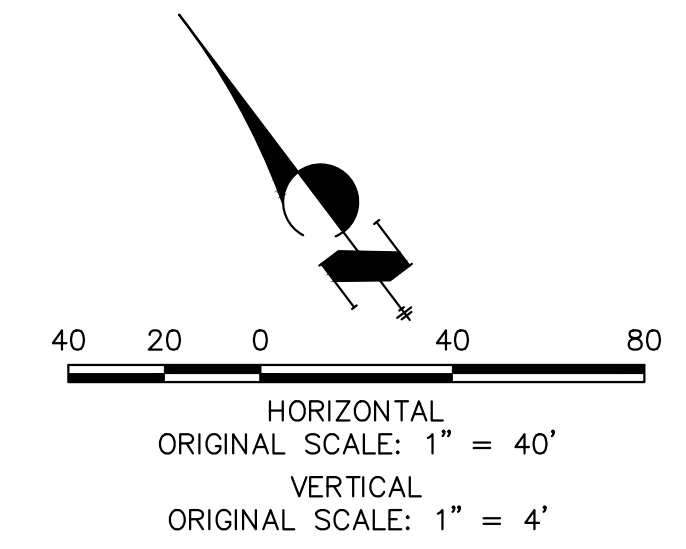
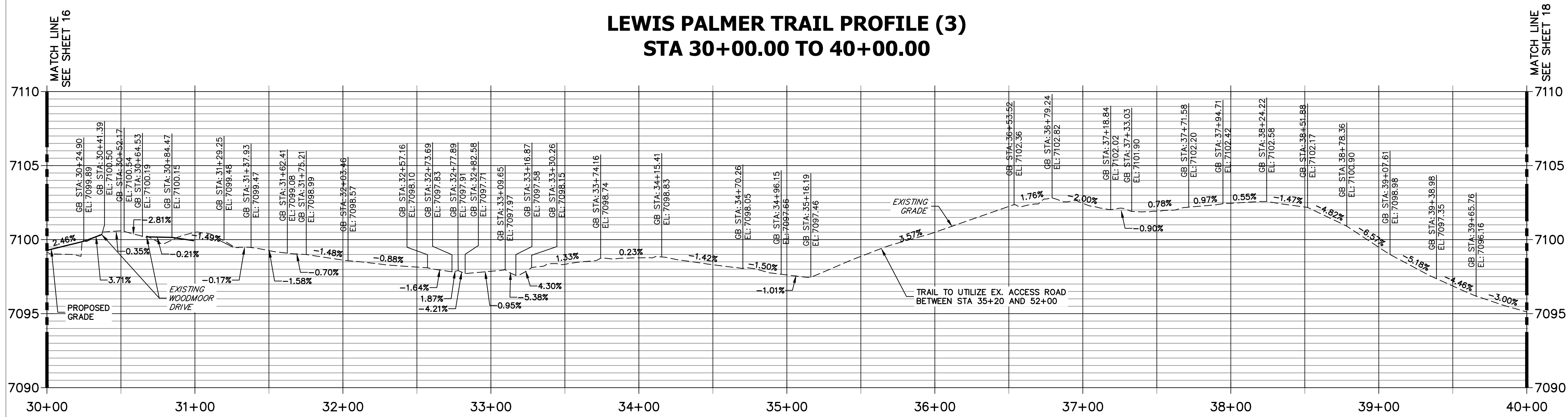
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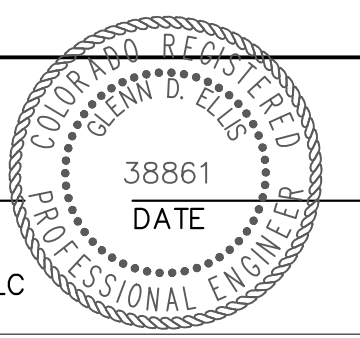
- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS; THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.
 - 2.

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



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: 11/23/2022
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 970-431-9888 • www.jrengineering.com

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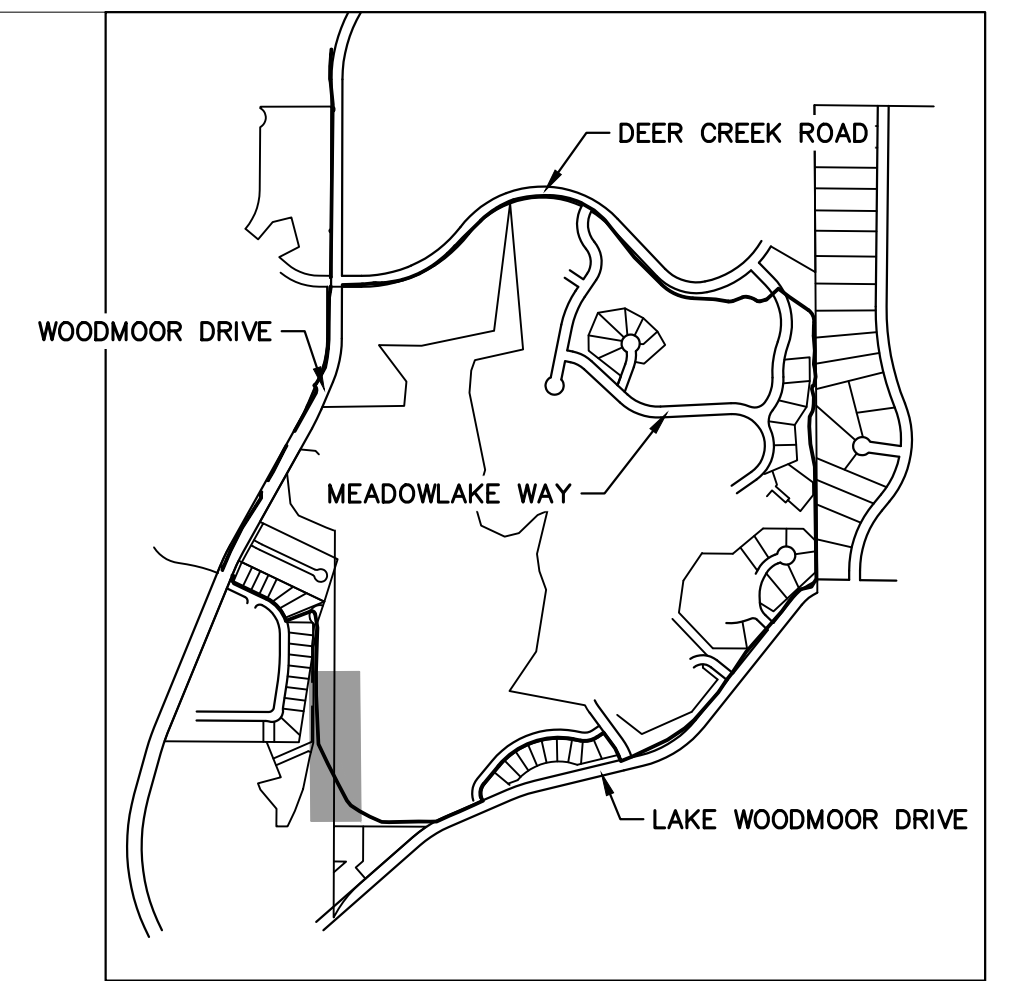
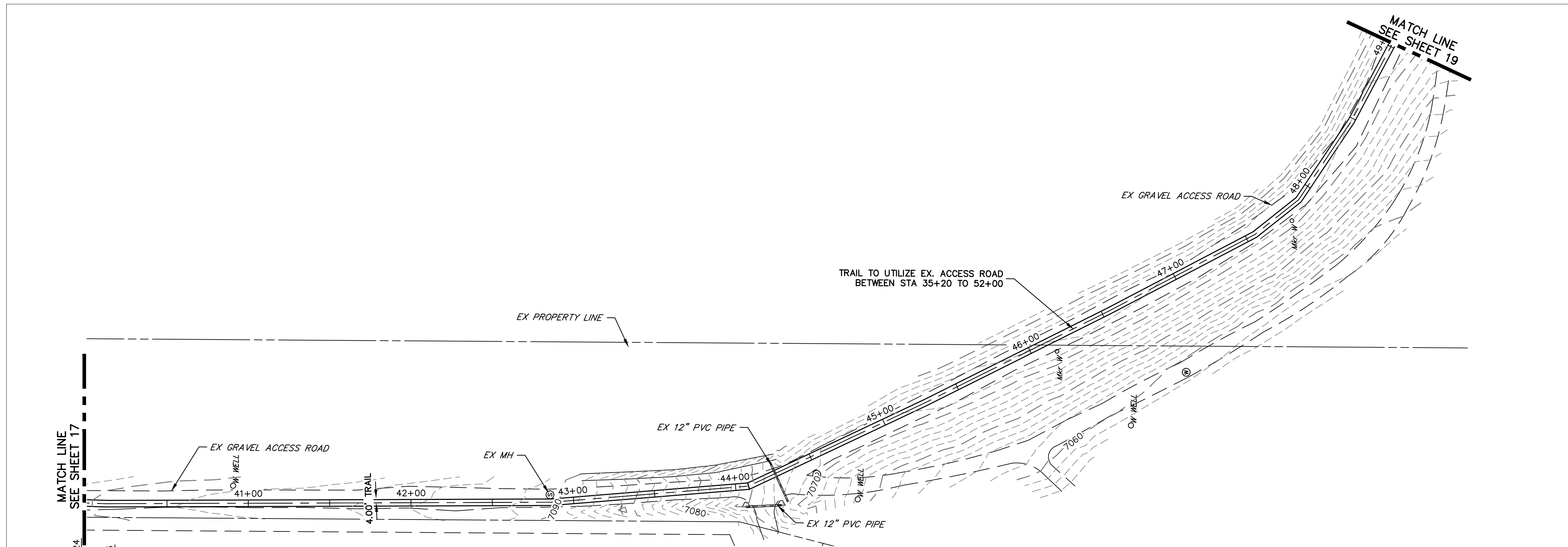
Colorado Department of Transportation
CDOT
Region 2
5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750
LP
Lewis Palmer School District 38

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| As Constructed |
| No Revisions: |
| Revised: |
| Void: |

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

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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 17 OF 42 |

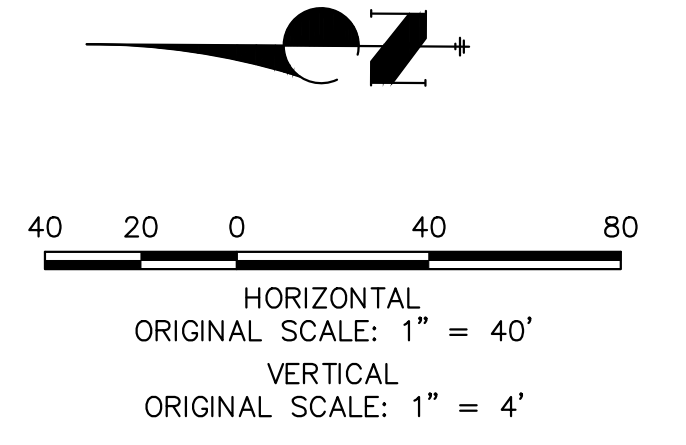
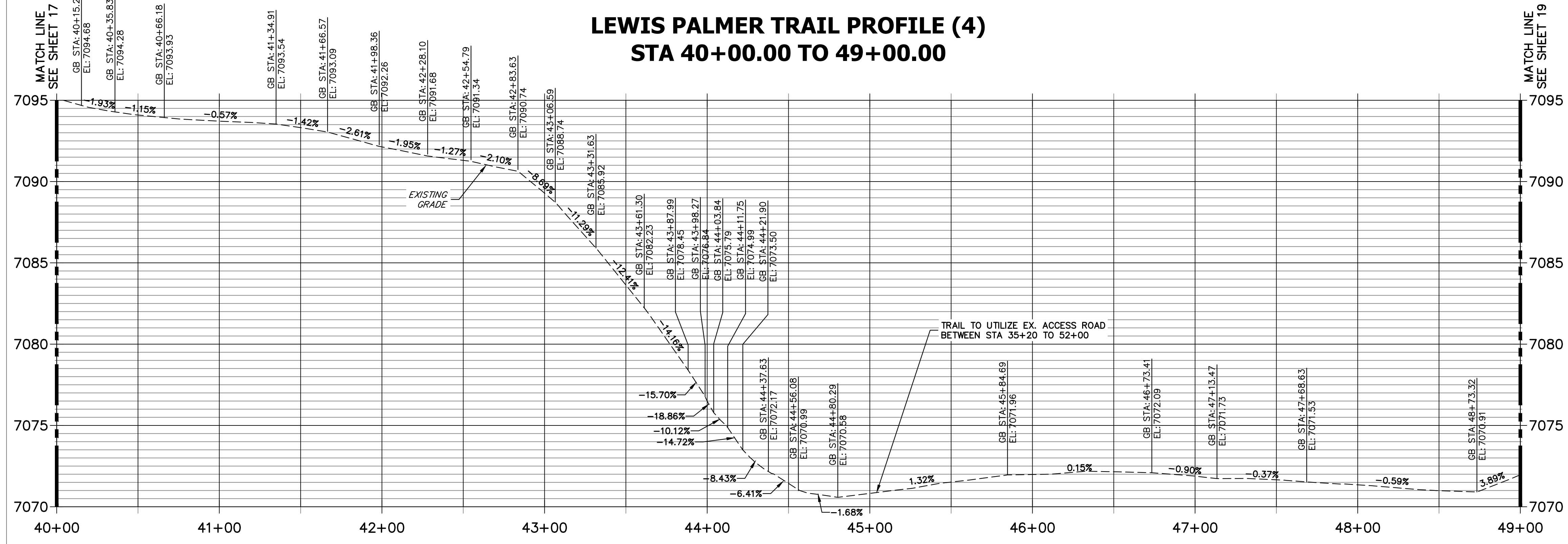
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KEY MAP
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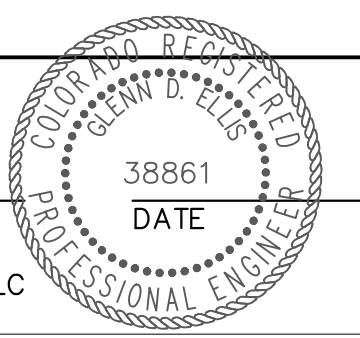
- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.
 - 2.

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



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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| Print Date: 11/23/2022 | |
| 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 719-593-2583 Fort Collins 970-491-9888 • www.jrengineering.com |

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| Date: | Comments | Init. |
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Colorado Department of Transportation

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

Lewis Palmer School District 38

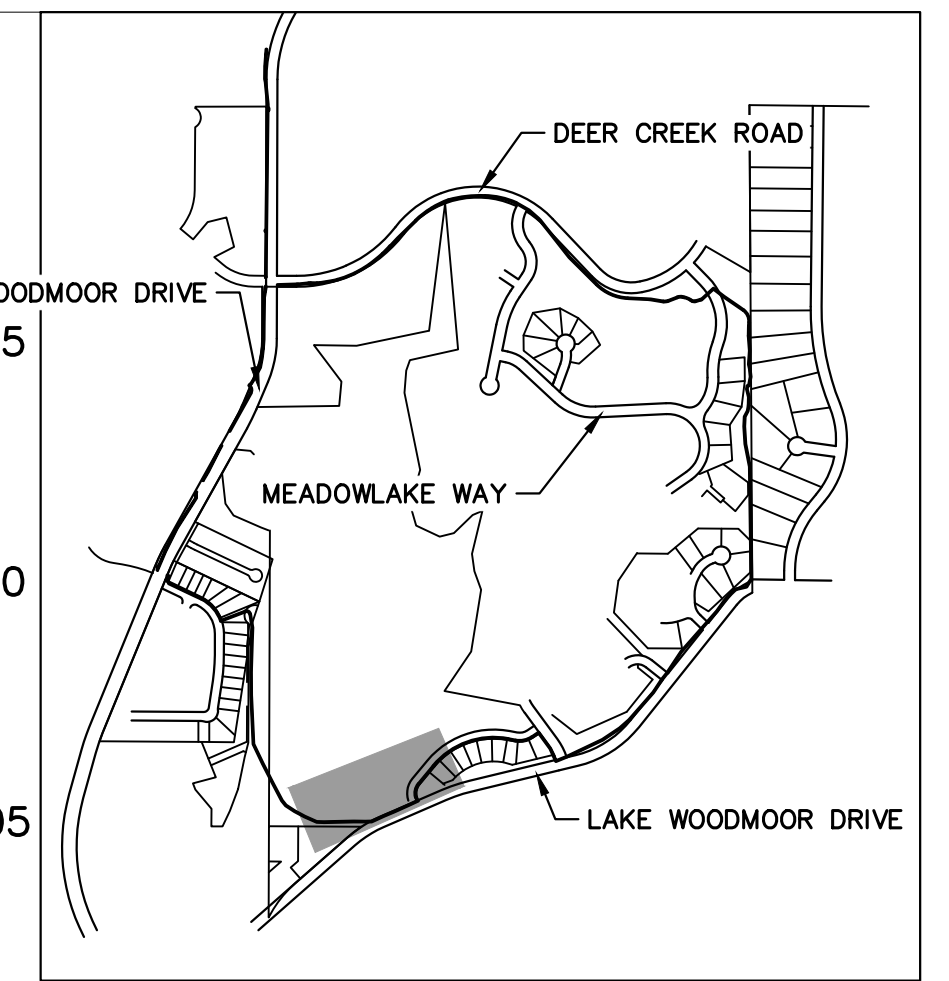
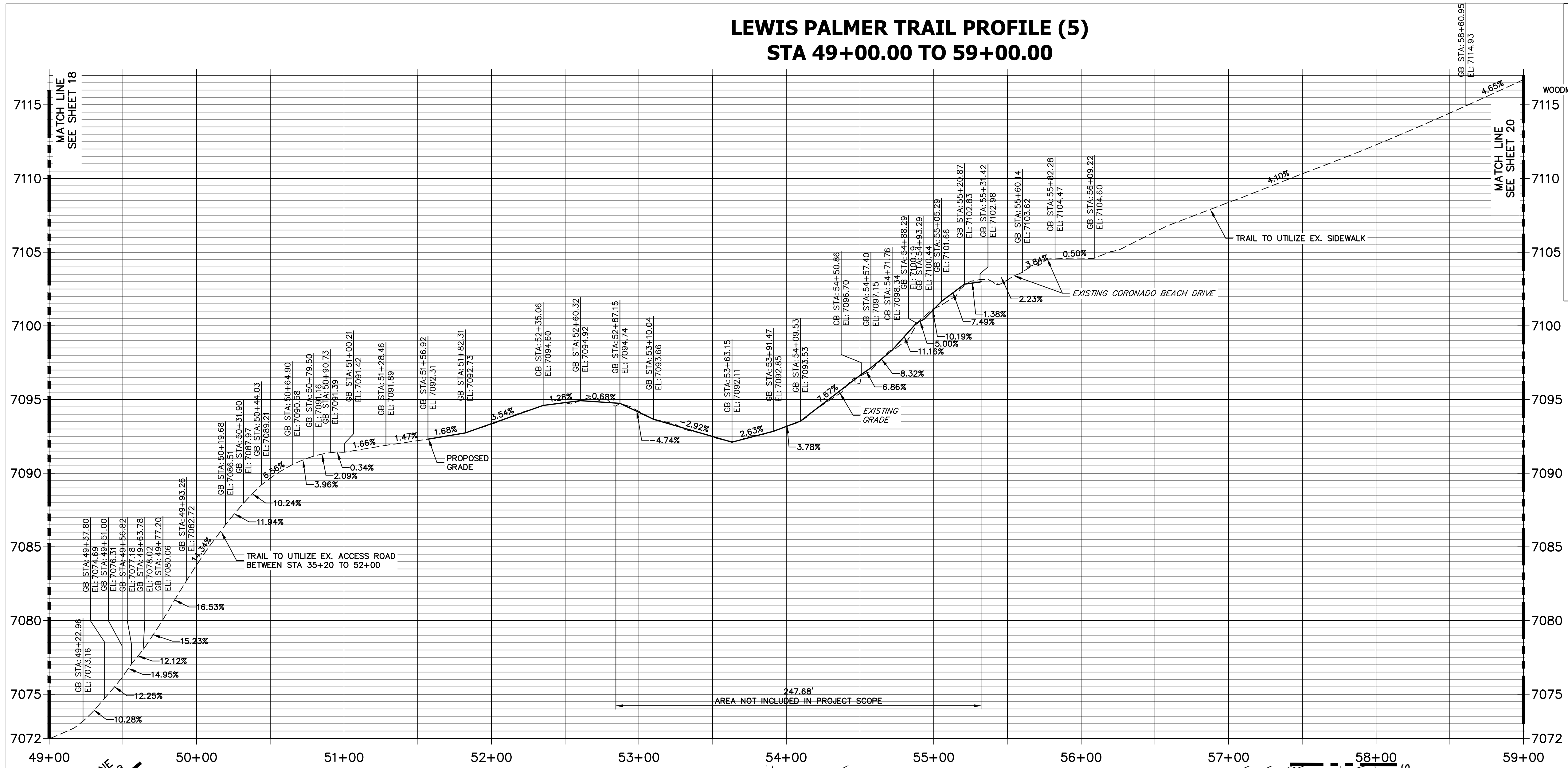
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| No Revisions: |
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| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
| Designer: | GG | Structure | |
| Detailer: | GG | Numbers | |
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| Project No./Code | M915-009/22585 |
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| Sheet Number | 18 OF 42 |

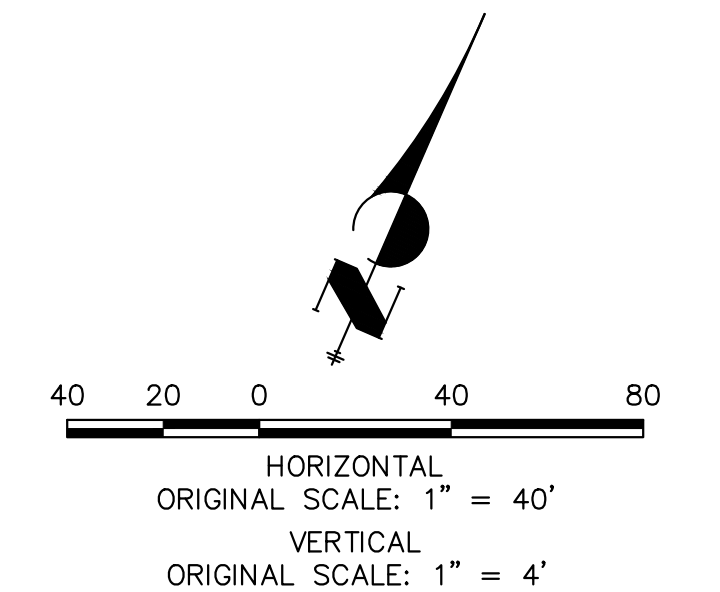
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LEWIS PALMER TRAIL PROFILE (5) STA 49+00.00 TO 59+00.00



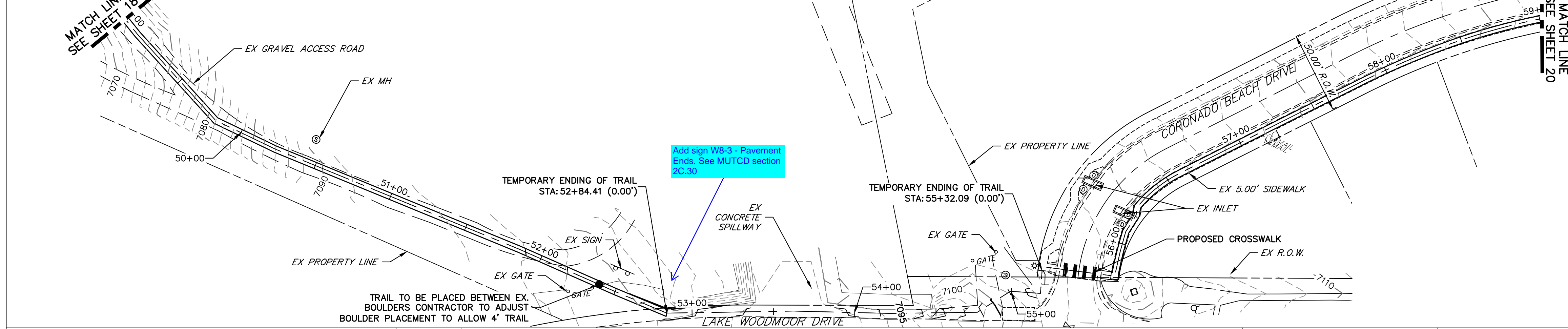
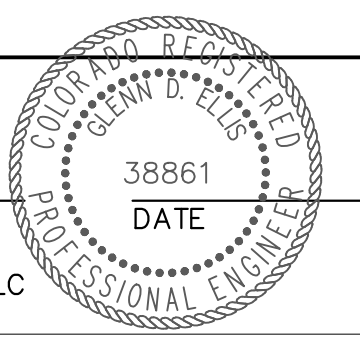
KEY MAP
SCALE: NOT TO SCALE

- 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. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.
 - 2.



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: 11/23/2022
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

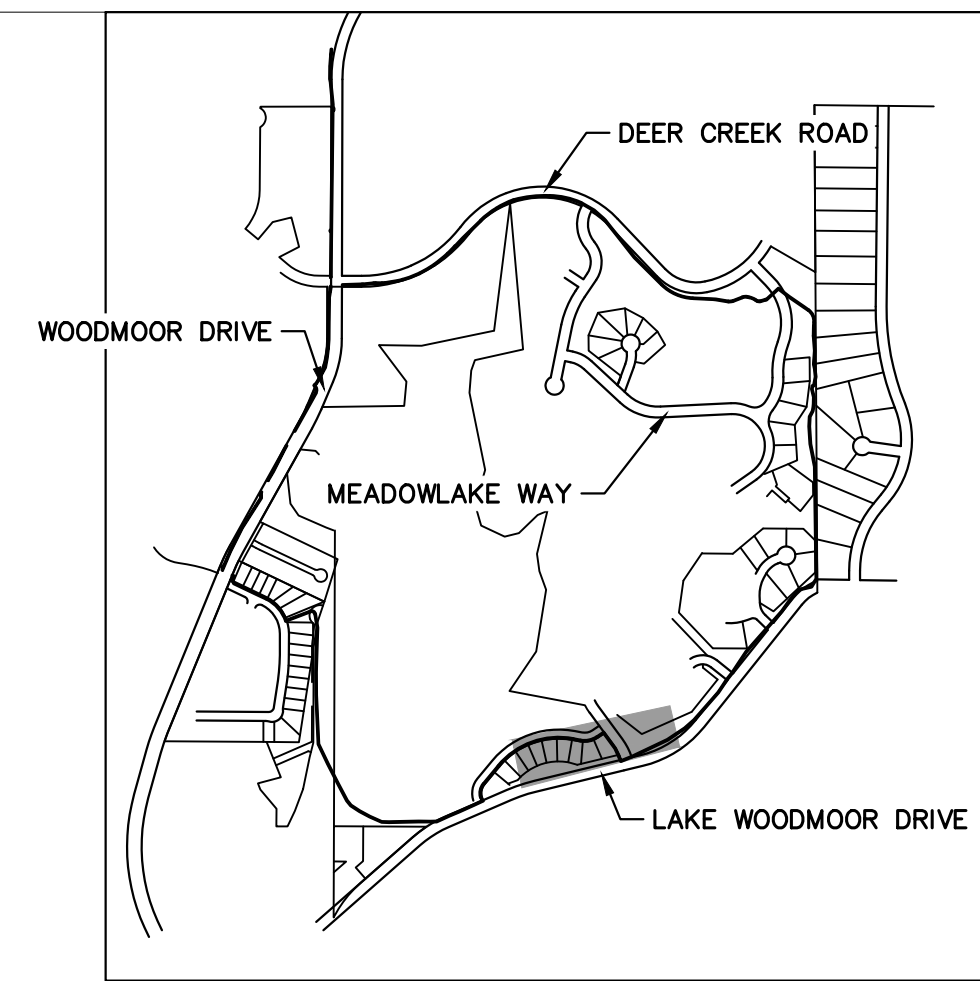
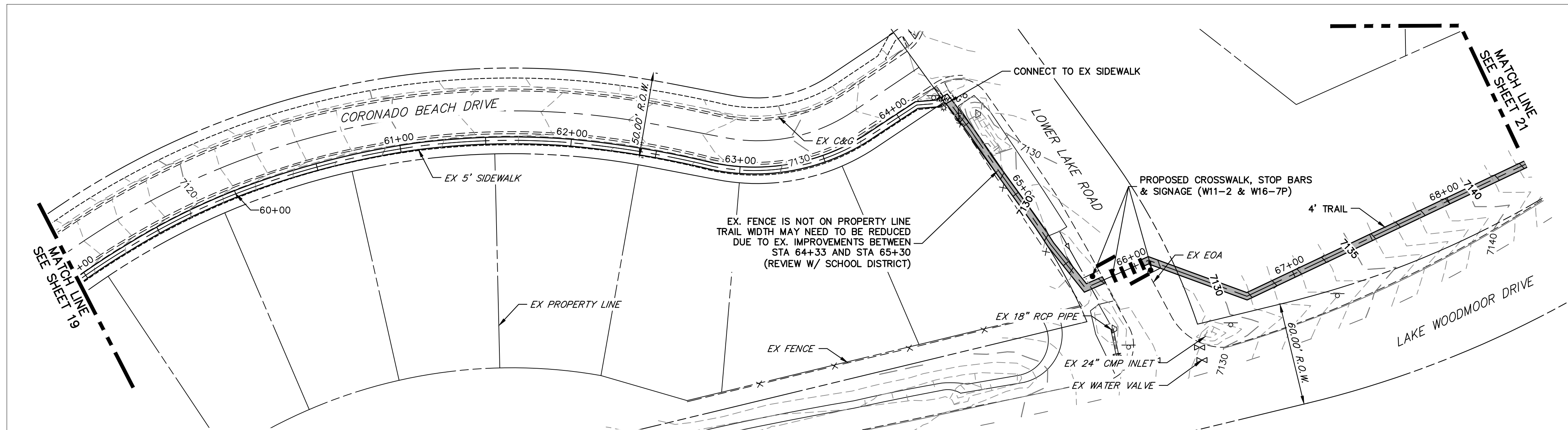
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Colorado Department of Transportation
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5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750
LP
Lewis Palmer School District 38

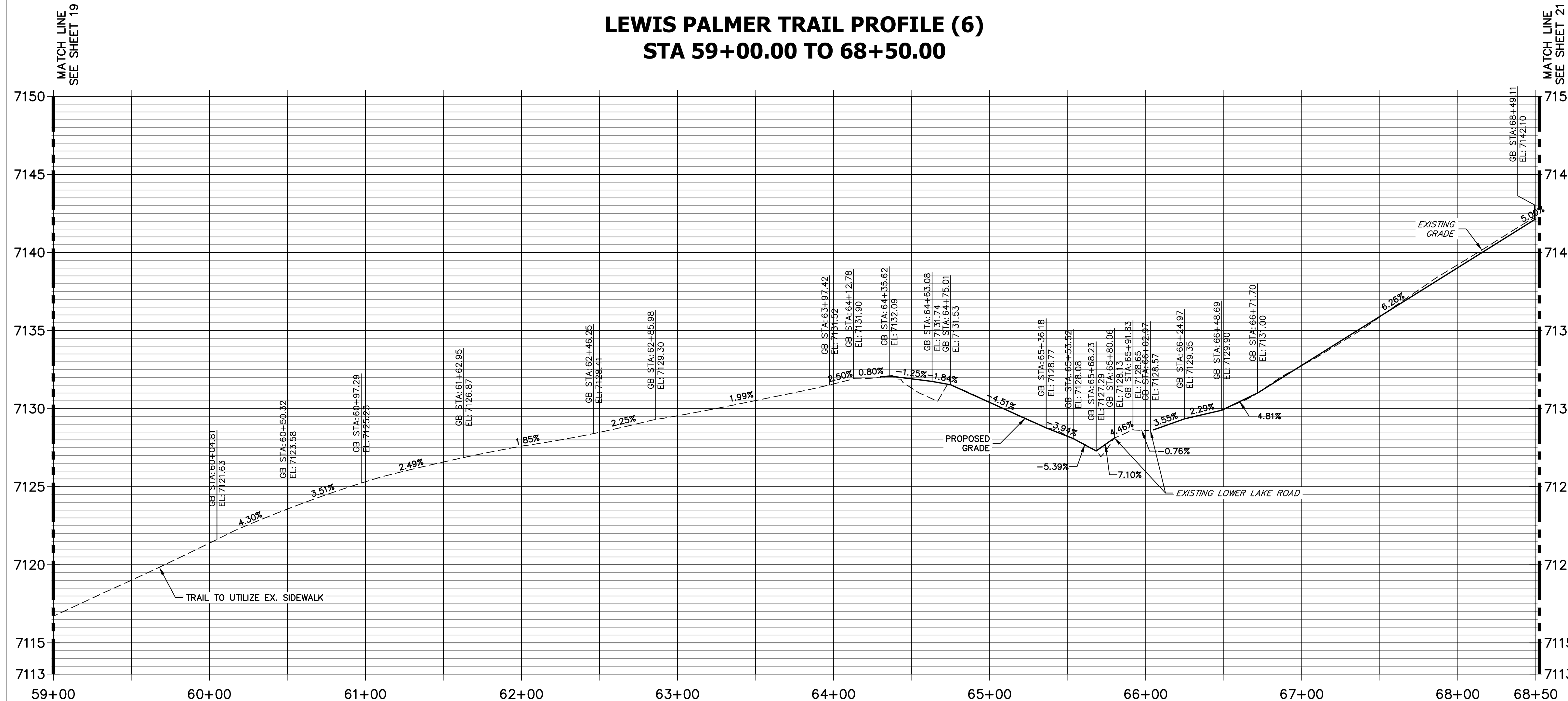
As Constructed
No Revisions:
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Void:

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

Project No./Code
M915-009/22585
2520300
Sheet Number 19 OF 42



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



- 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.
 2. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.

ENGINEER'S STATEMENT
 PREPARED UNDER MY SUPERVISION

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

811
 Know what's below.
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Print Date: 11/23/2022
 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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 Fort Collins 970-491-9888 • www.jrengineering.com

| Sheet Revisions | | |
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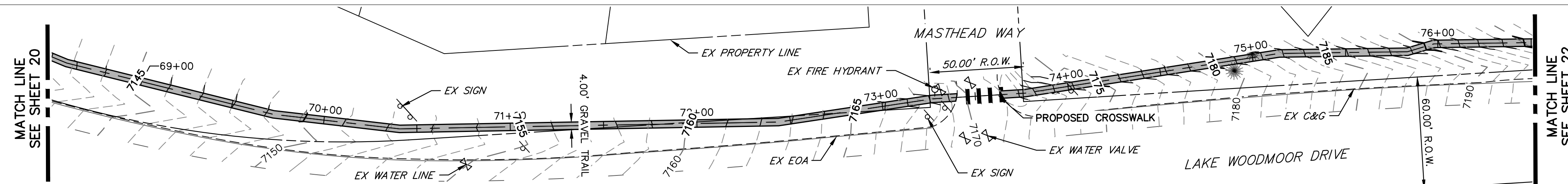
Colorado Department of Transportation

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

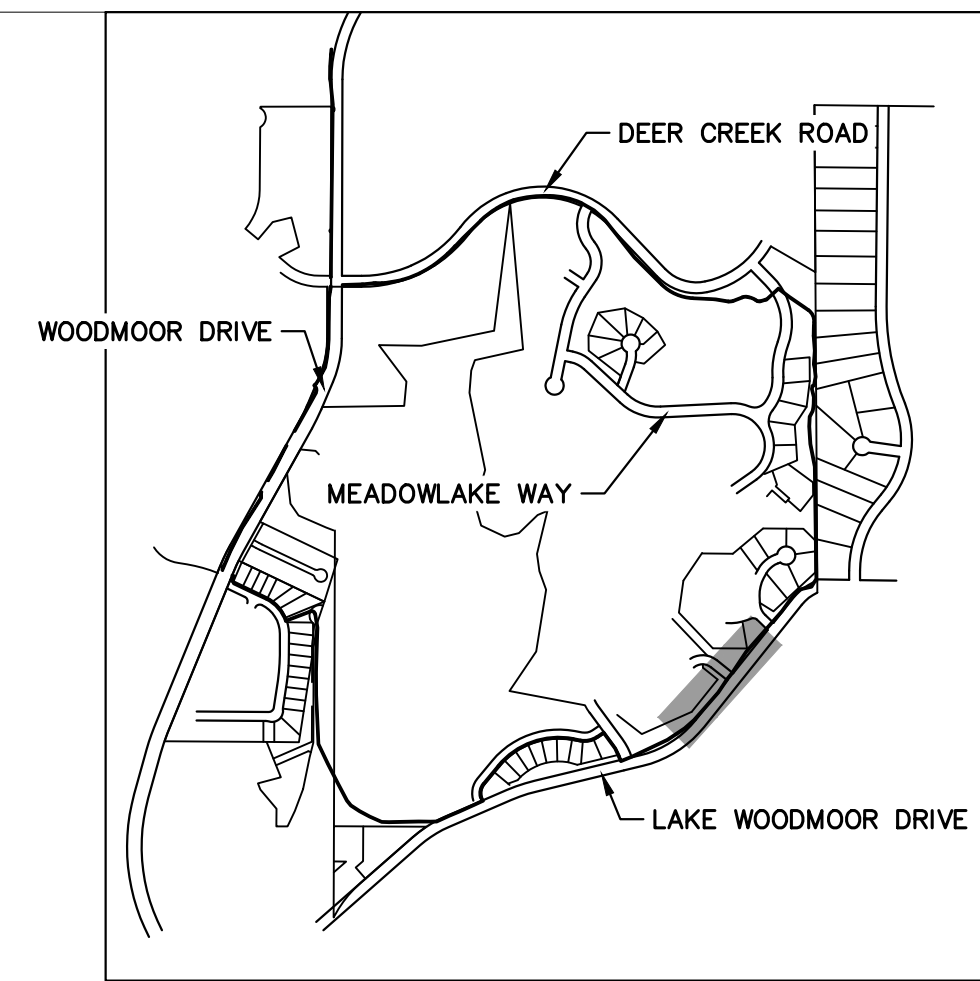
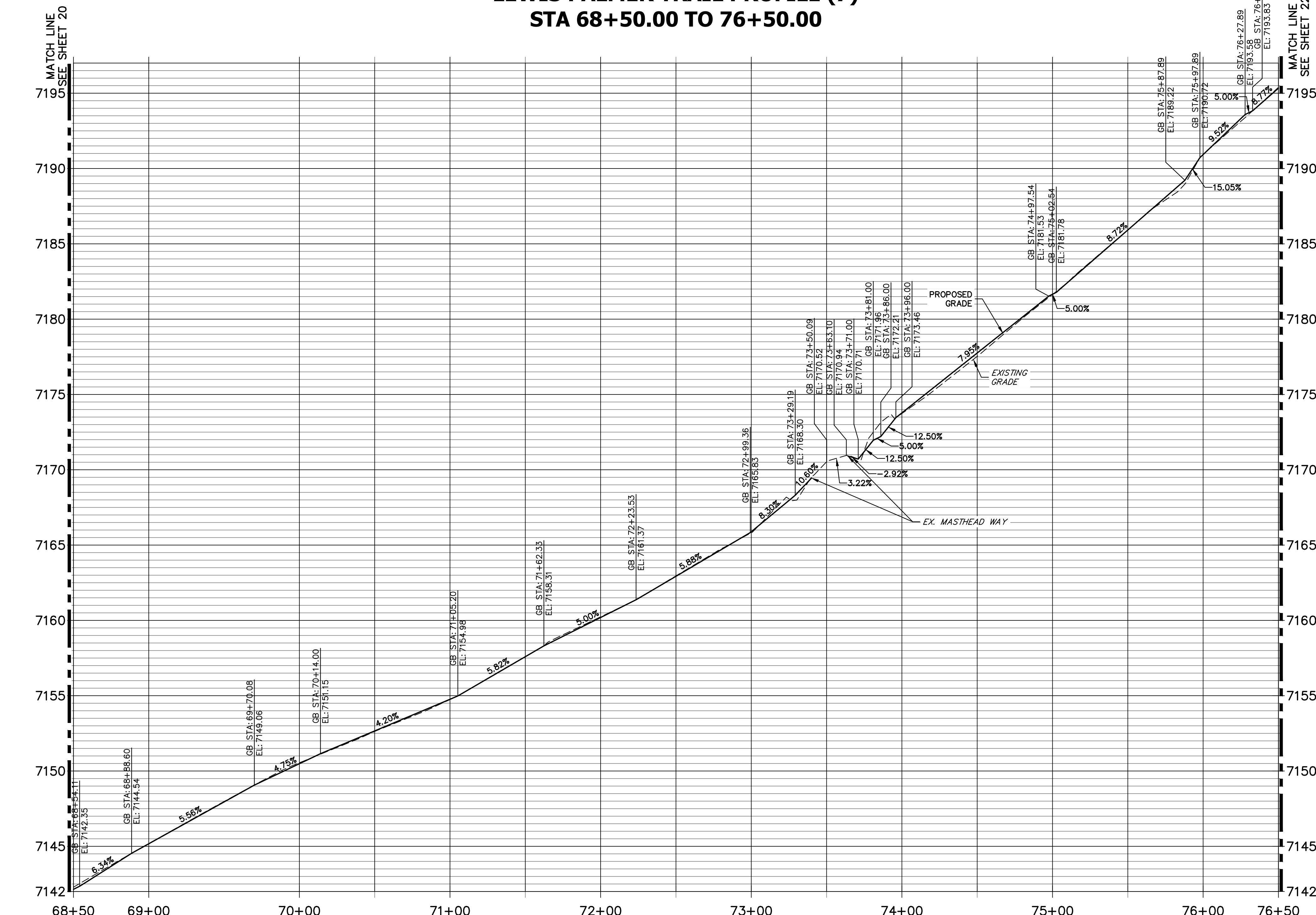
Region 2

Lewis Palmer School District 38

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| As Constructed | LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | Project No./Code |
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| Revised: | Designer: GG | Structure Numbers | 2520300 |
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| | | | Sheet Number 20 OF 42 |



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



KEY MAP
SCALE: NOT TO SCALE

- 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.
 2. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.

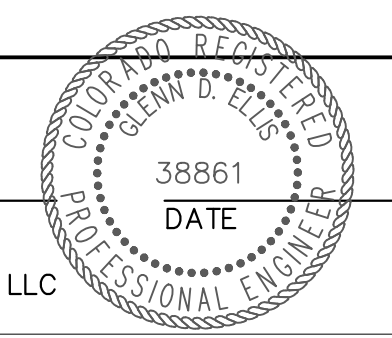
811
Know what's below.
Call before you dig.

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: 11/23/2022

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

| Sheet Revisions | | |
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Colorado Department of Transportation

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

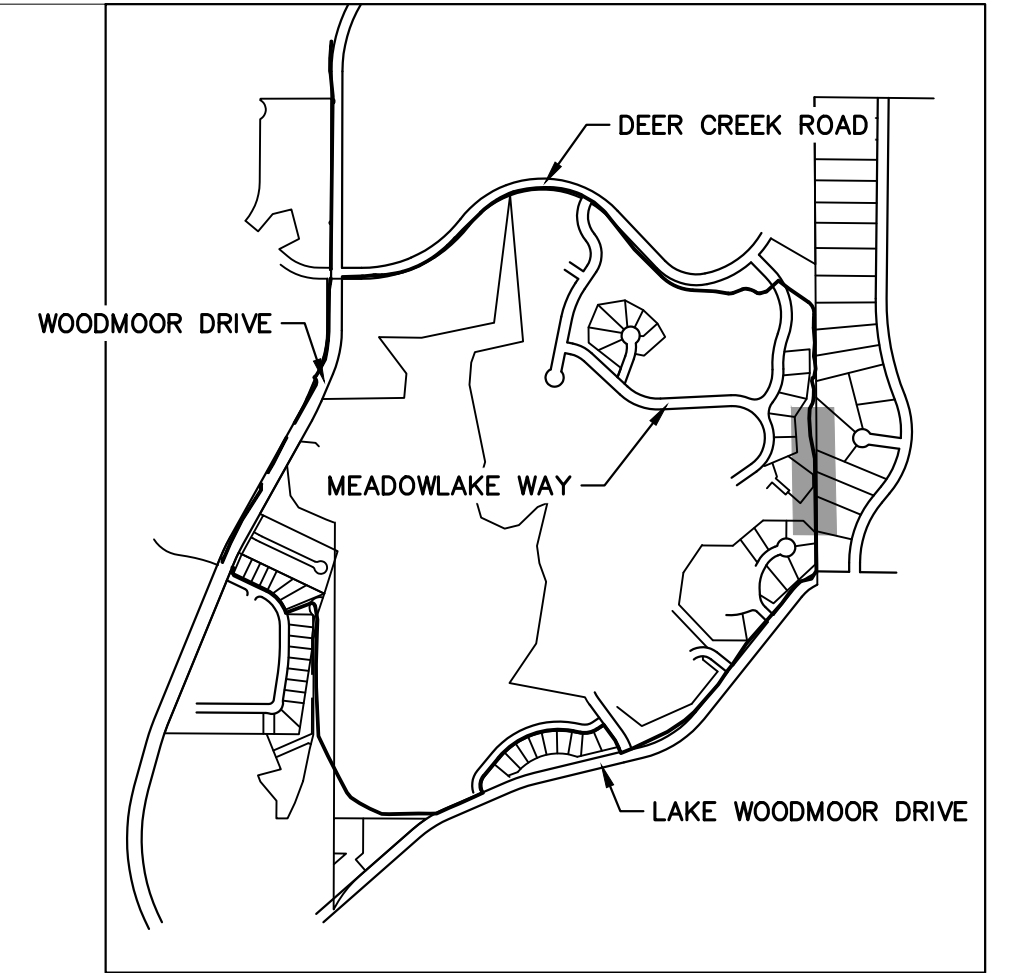
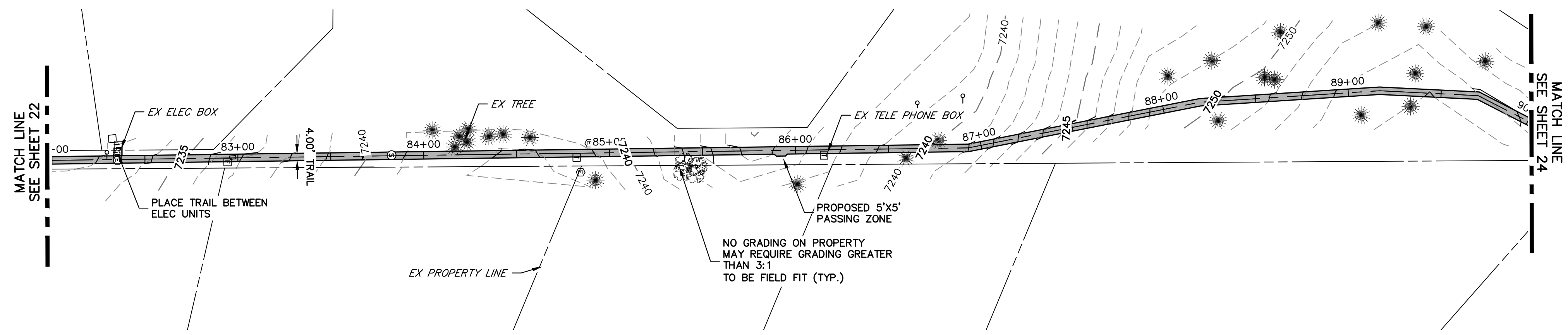
Lewis Palmer School District 38

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| As Constructed |
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| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
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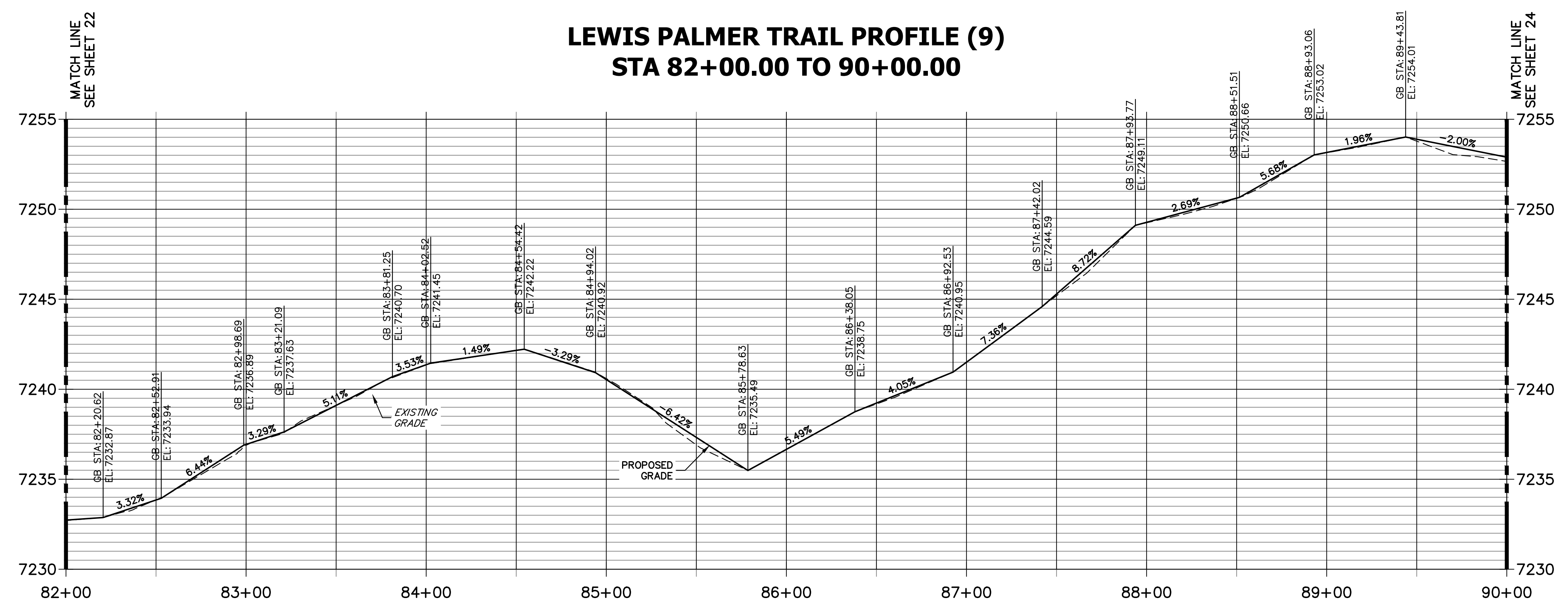
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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 21 OF 42 |

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KEY MAP
SCALE: NOT TO SCALE

**LEWIS PALMER TRAIL PROFILE (9)
STA 82+00.00 TO 90+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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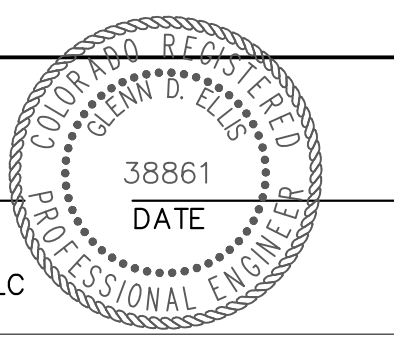
811
Know what's below.
Call before you dig.

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: 11/23/2022
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
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| Sheet Revisions | | |
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| Date: | Comments | Init. |
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Colorado Department of Transportation

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Pueblo, CO 81008
Phone: 719-546-5750

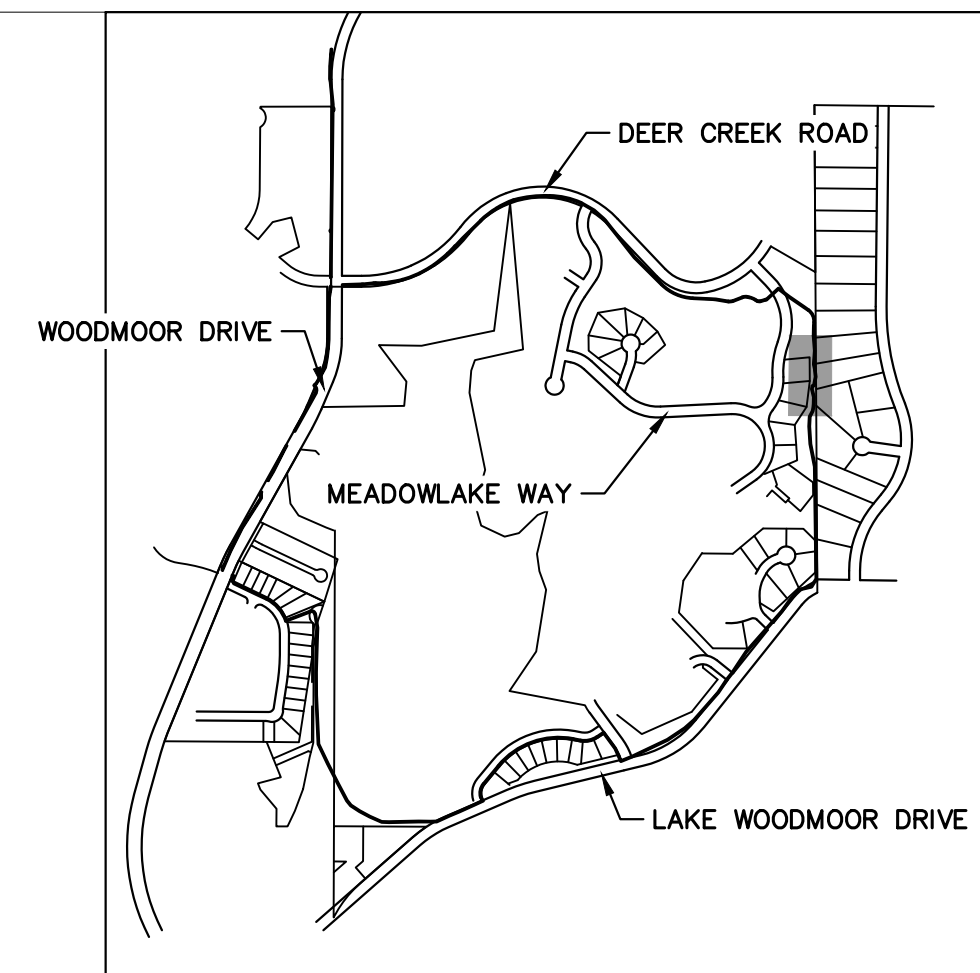
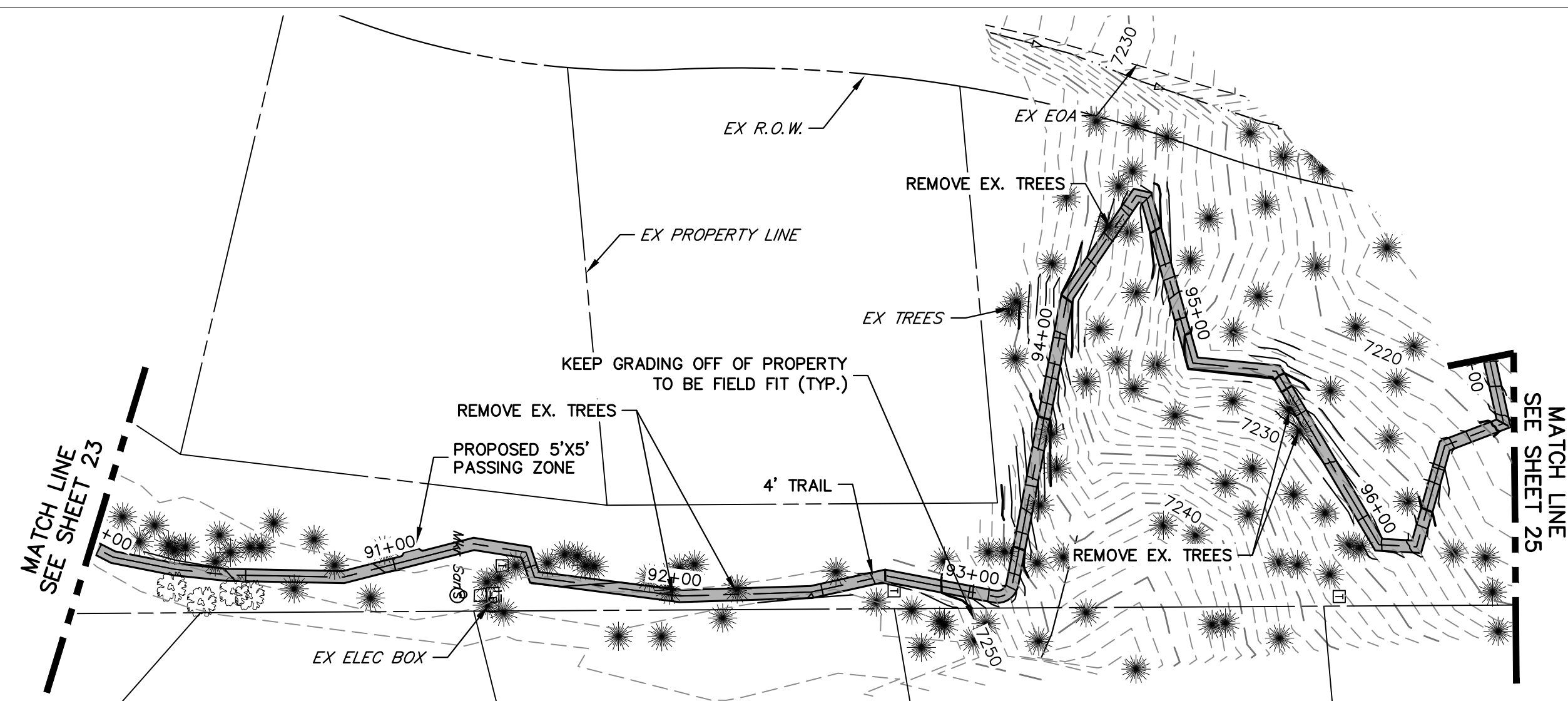
Lewis Palmer School District 38

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| As Constructed |
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| Revised: |
| Void: |

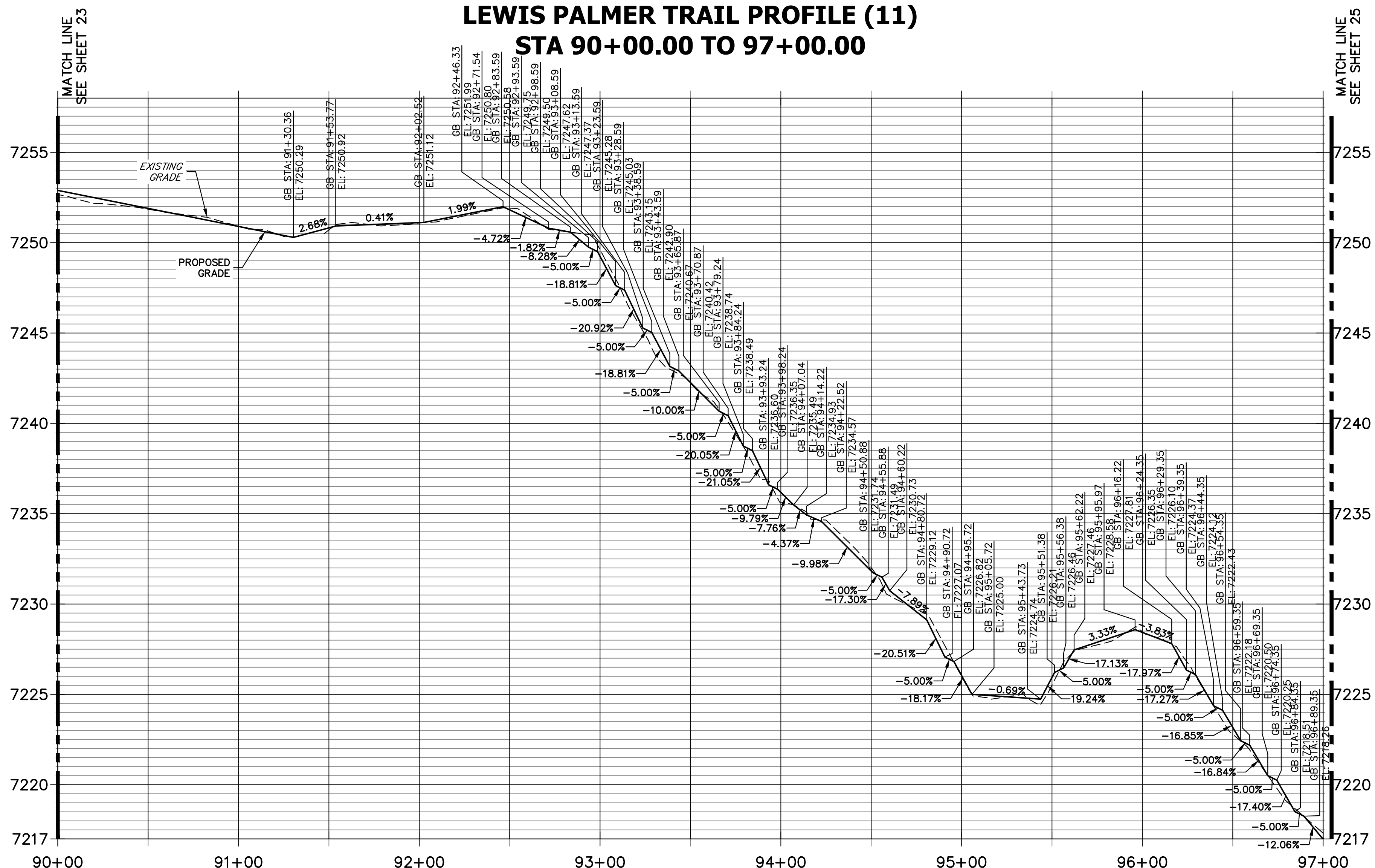
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| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
| Designer: | GG | Structure | |
| Detailer: | GG | Numbers | |
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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 23 OF 42 |

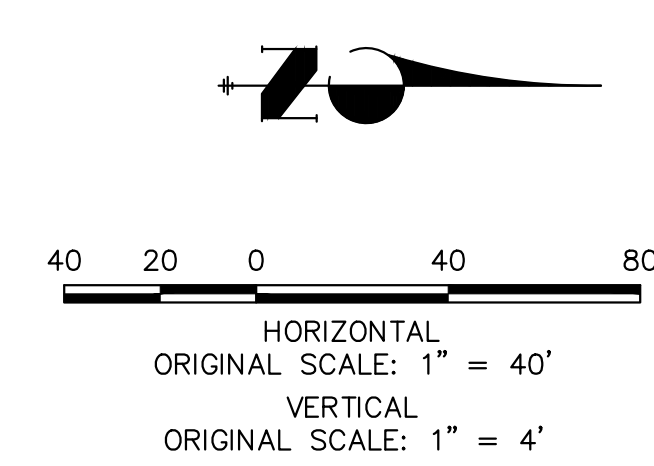
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LEWIS PALMER TRAIL PROFILE (11)
STA 90+00.00 TO 97+00.00



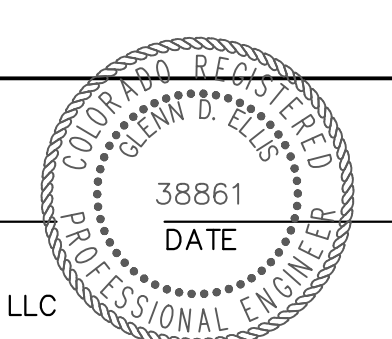
- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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.
 2. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.



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



Print Date: 11/23/2022
 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 | | |
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| Date: | Comments | Init. |
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Colorado Department of Transportation

CDOT **LP**

Region 2 Lewis Palmer School District 38

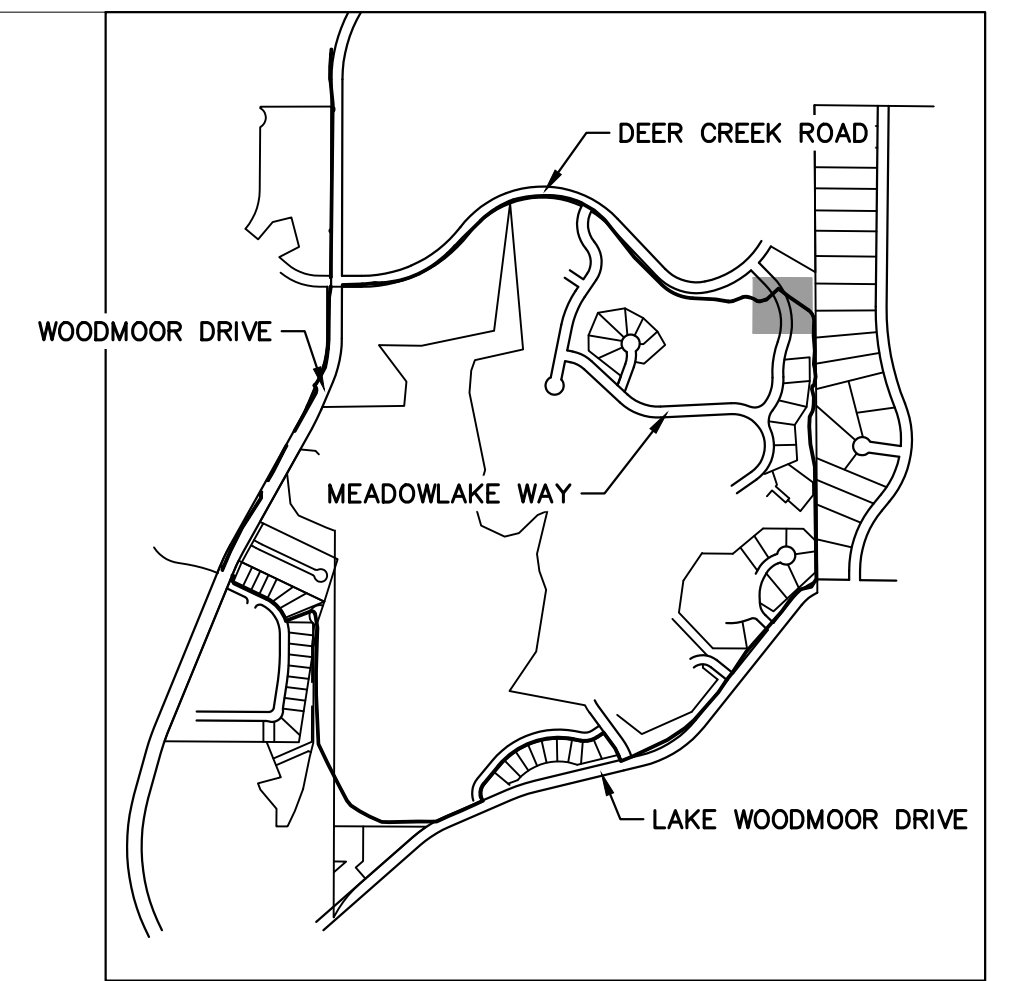
5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750

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| As Constructed |
| No Revisions: |
| Revised: |
| Void: |

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

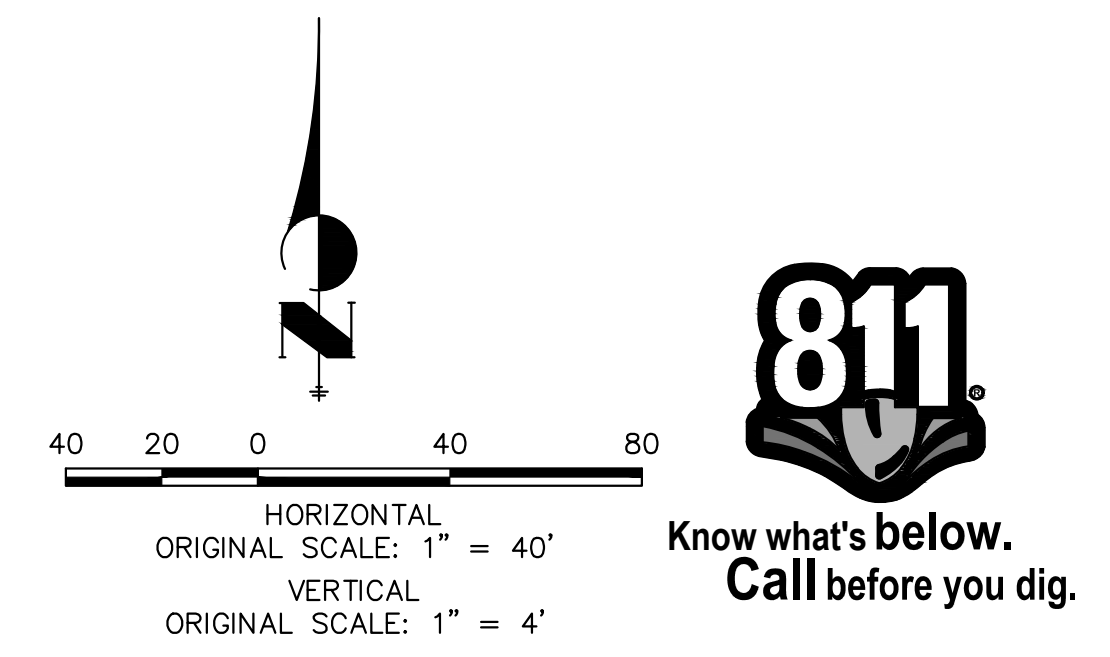
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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 24 OF 42 |

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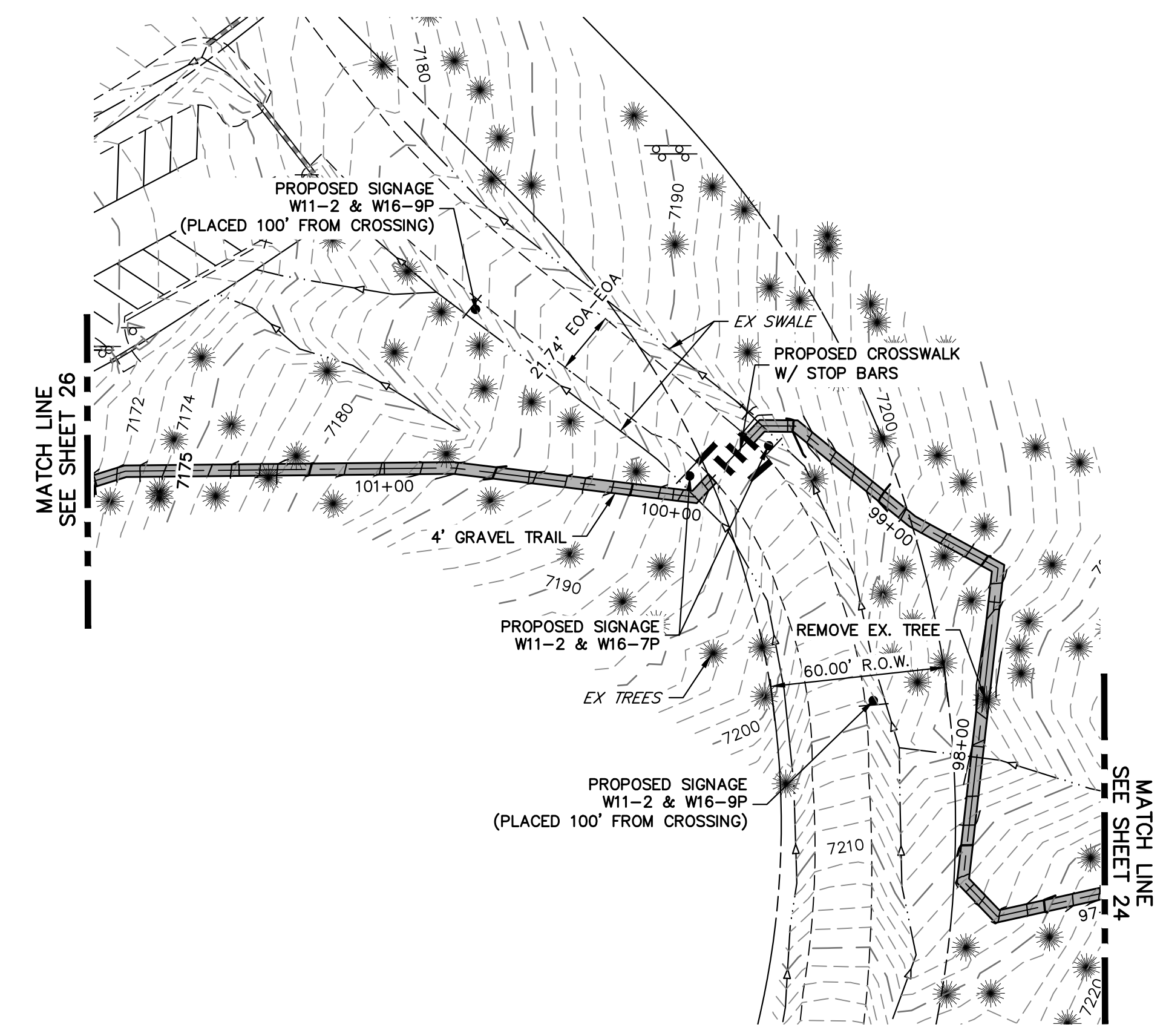
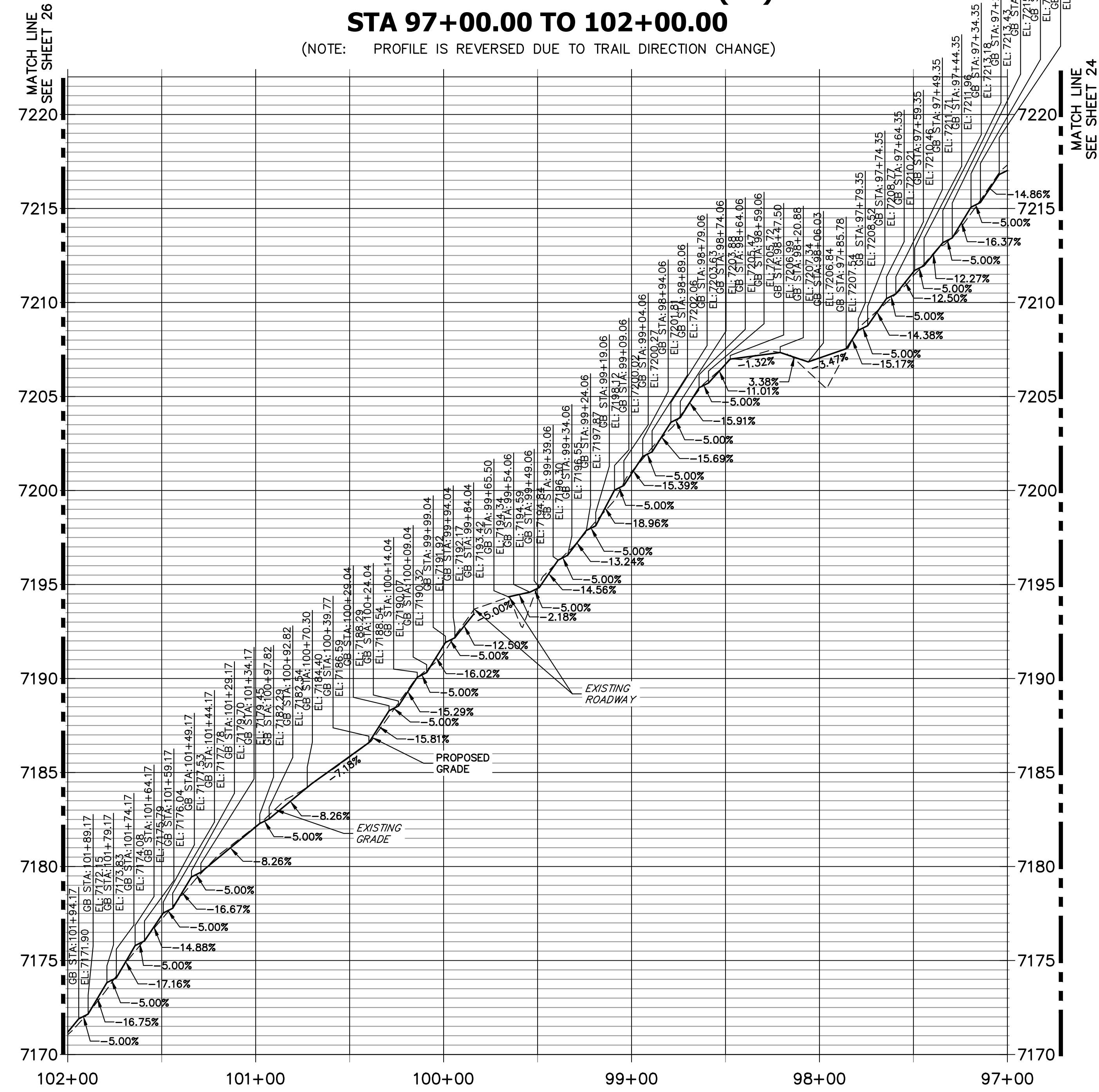
KEY MAP
SCALE: NOT TO SCALE

- 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.
 2. THIS PLAN DOES NOT TAKE INTO ACCOUNT EXISTING DRAINAGE PATHS. THE CONTRACTOR SHALL WORK WITH THE SCHOOL DISTRICT AND THE ENGINEER IN DETERMINING AREAS WHERE CULVERTS MAY BE REQUIRED.



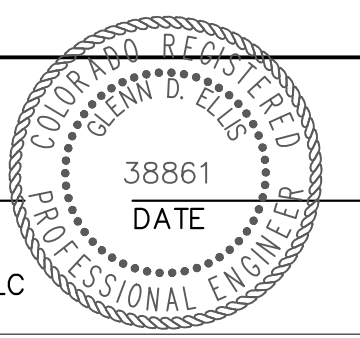
LEWIS PALMER TRAIL PROFILE (12) STA 97+00.00 TO 102+00.00

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



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: 11/23/2022
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

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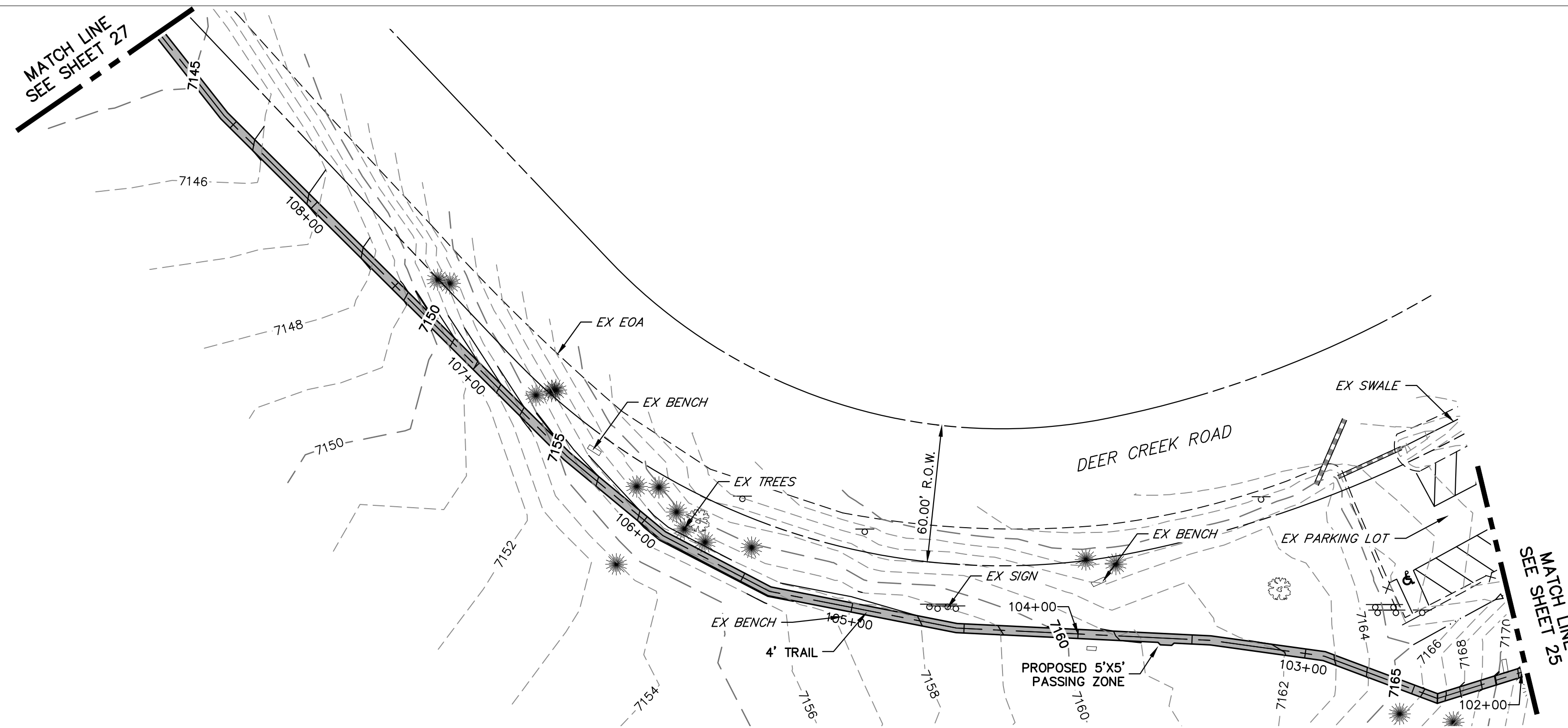
Colorado Department of Transportation
Region 2
5615 WILL BLVD.
Pueblo, CO 81008
Phone: 719-546-5750
Lewis Palmer School District 38

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| As Constructed |
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| Revised: |
| Void: |

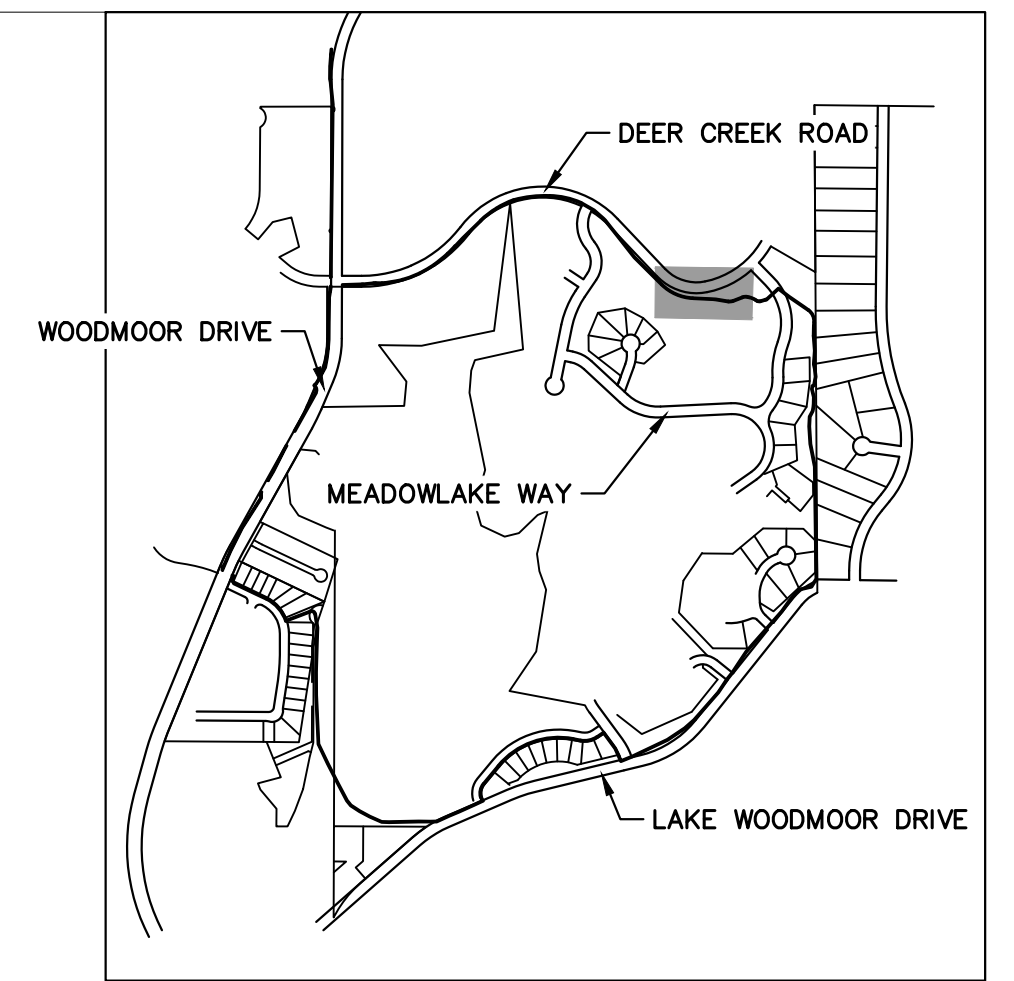
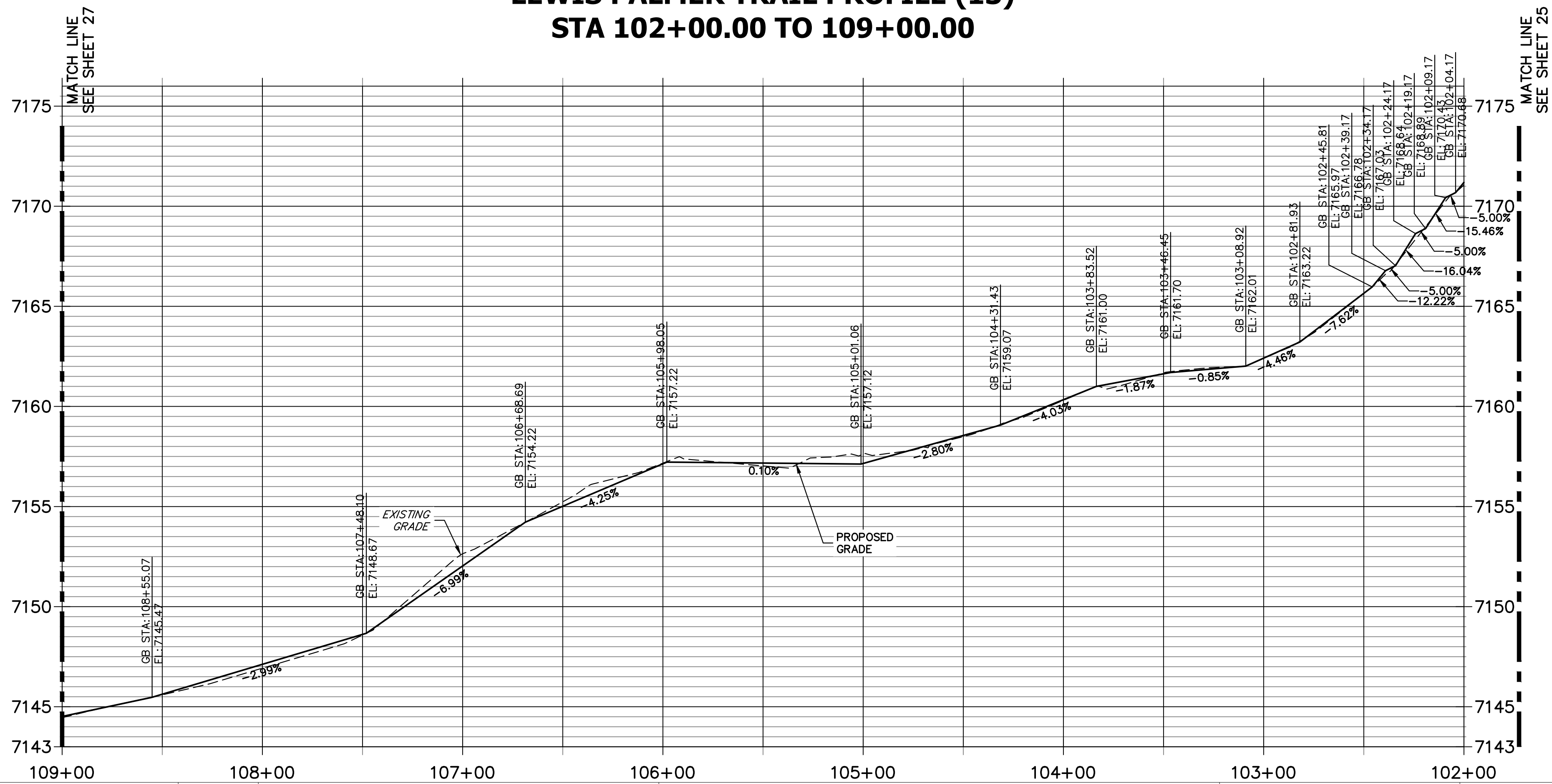
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| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
| Designer: | GG | Structure | |
| Detailer: | GG | Numbers | |
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| Project No./Code | M915-009/22585 |
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| Sheet Number | 25 OF 42 |

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



KEY MAP
SCALE: NOT TO SCALE

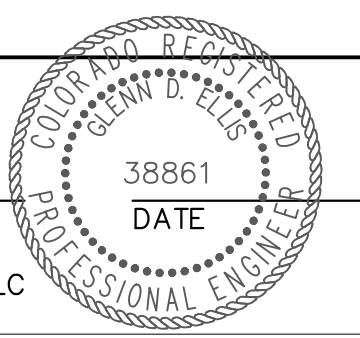
- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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: 11/23/2022
 File Name:
 Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
 Unit name Unit leader

J-R ENGINEERING
 A Westrian Company
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 Pueblo, CO 81008
 Phone: 719-546-5750

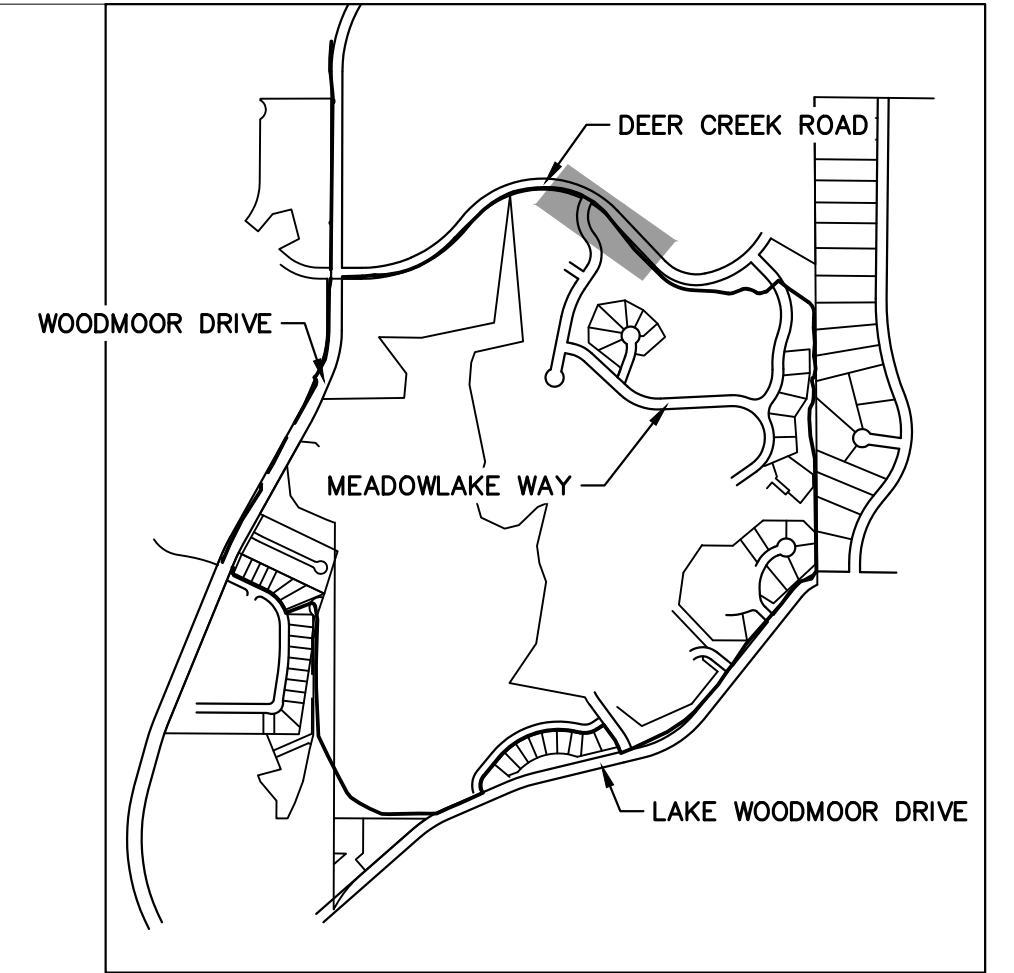
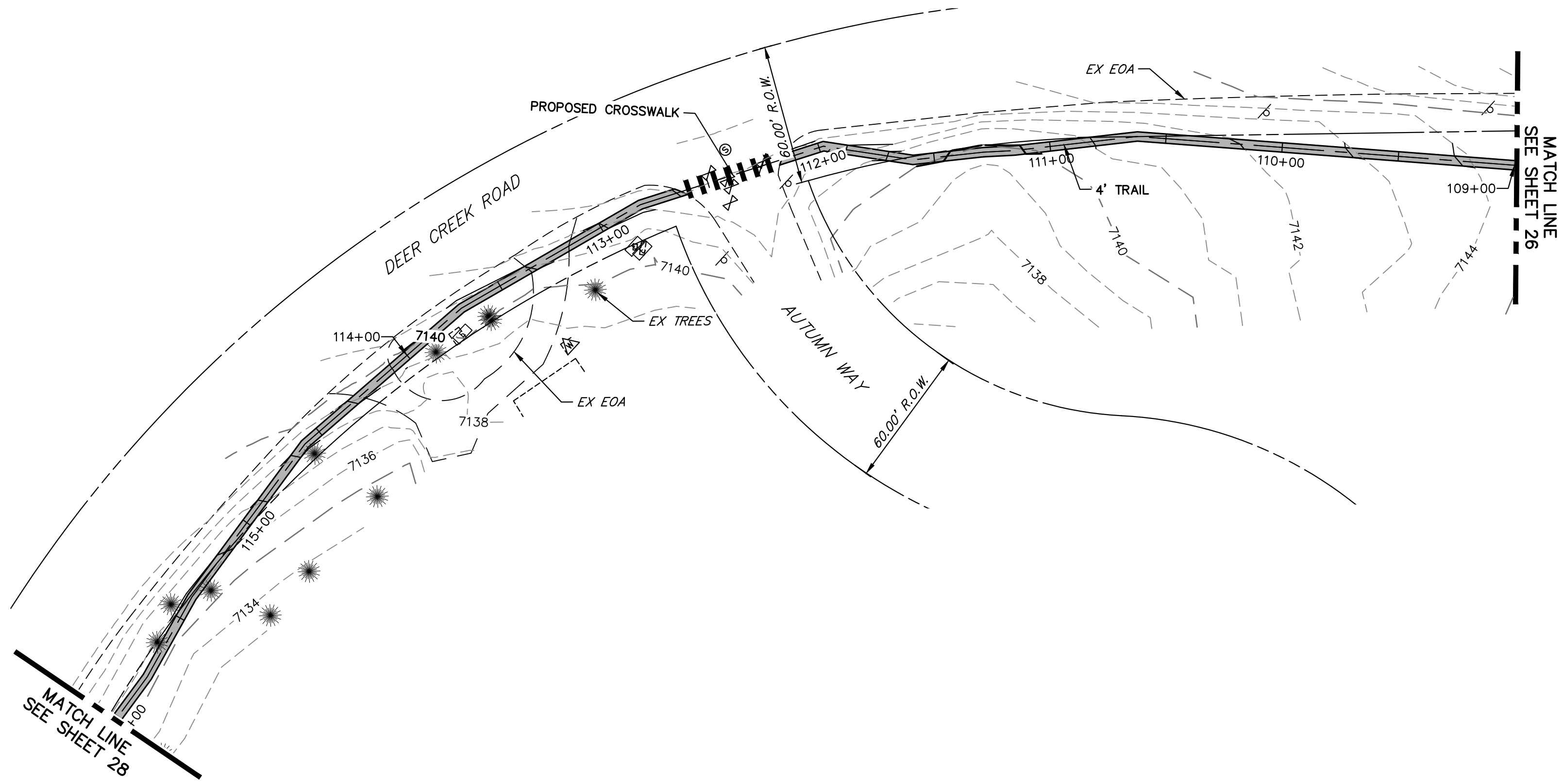
 Lewis Palmer School District 38

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| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
| Designer: | GG | Structure | |
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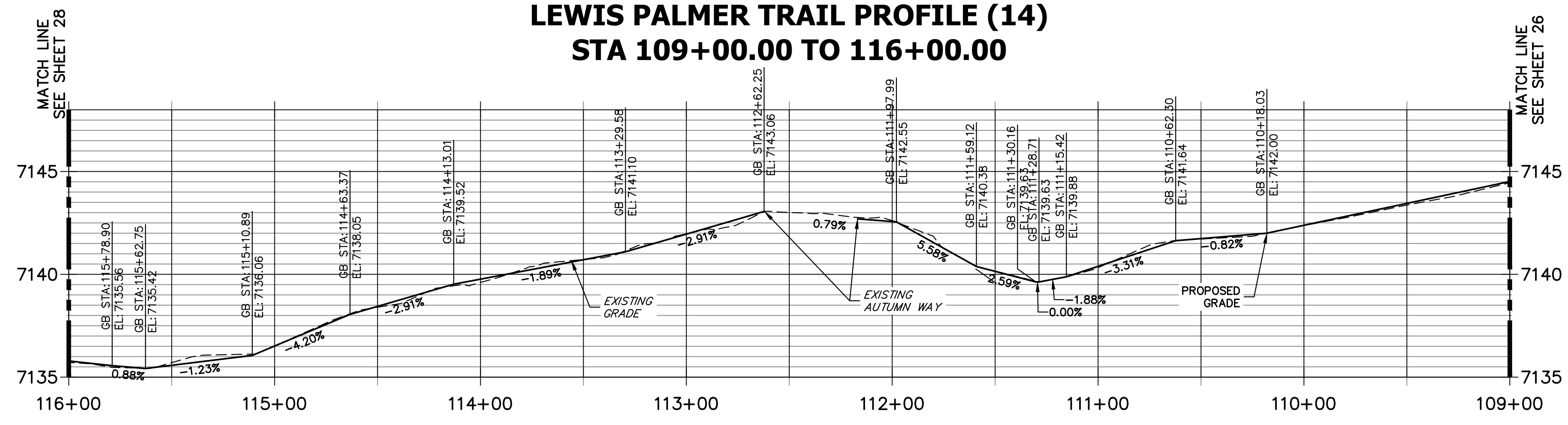
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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 26 OF 42 |

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

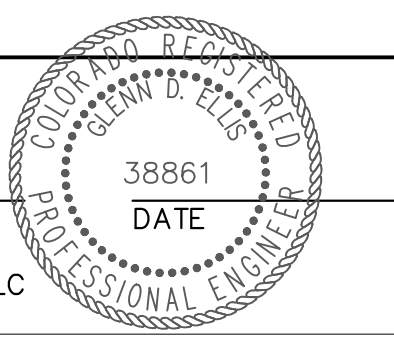


HORIZONTAL ORIGINAL SCALE: 1" = 40'
VERTICAL ORIGINAL SCALE: 1" = 4'

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: 11/23/2022

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 970-431-9888 • www.jrengineering.com

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Pueblo, CO 81008
Phone: 719-546-5750

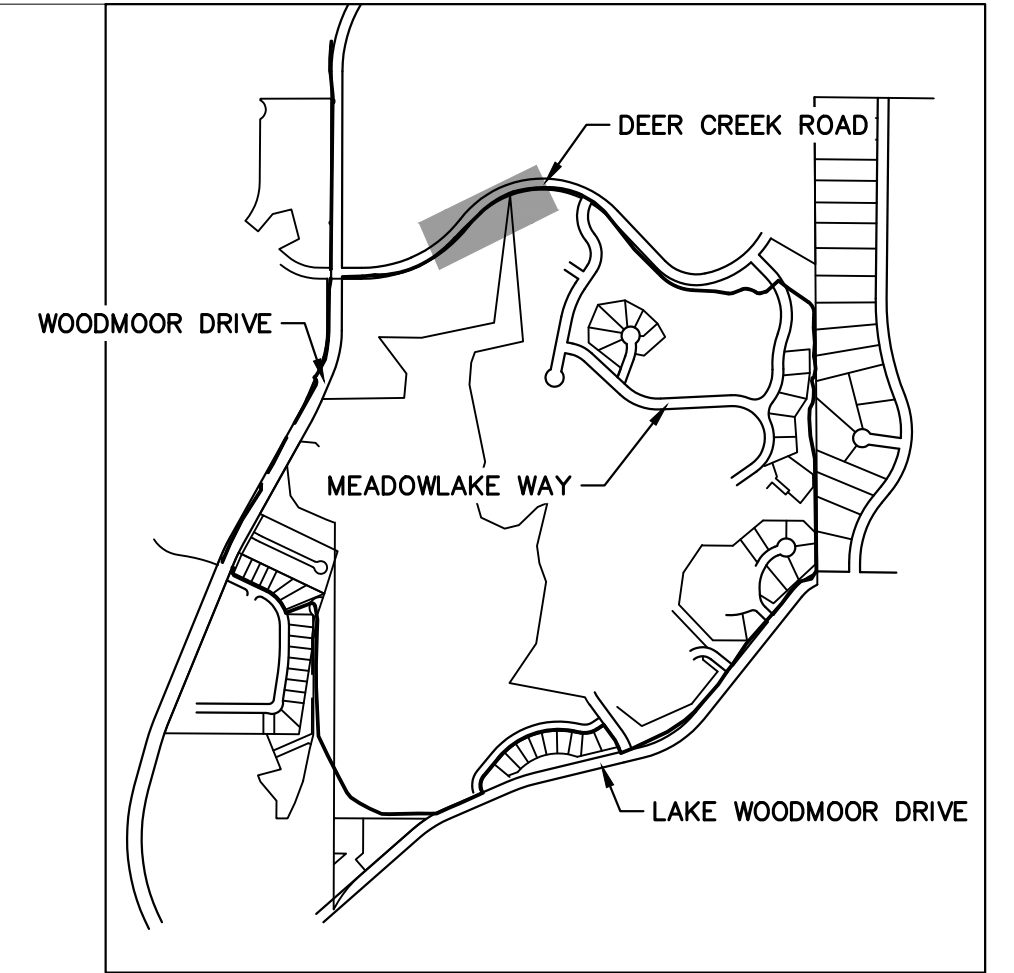
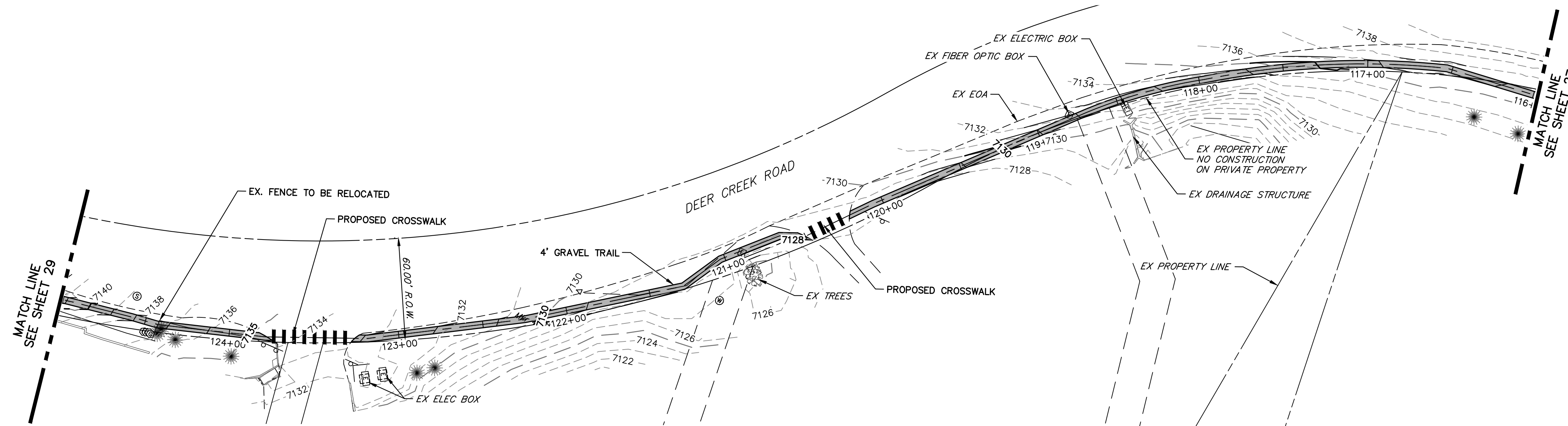
Lewis Palmer School District 38

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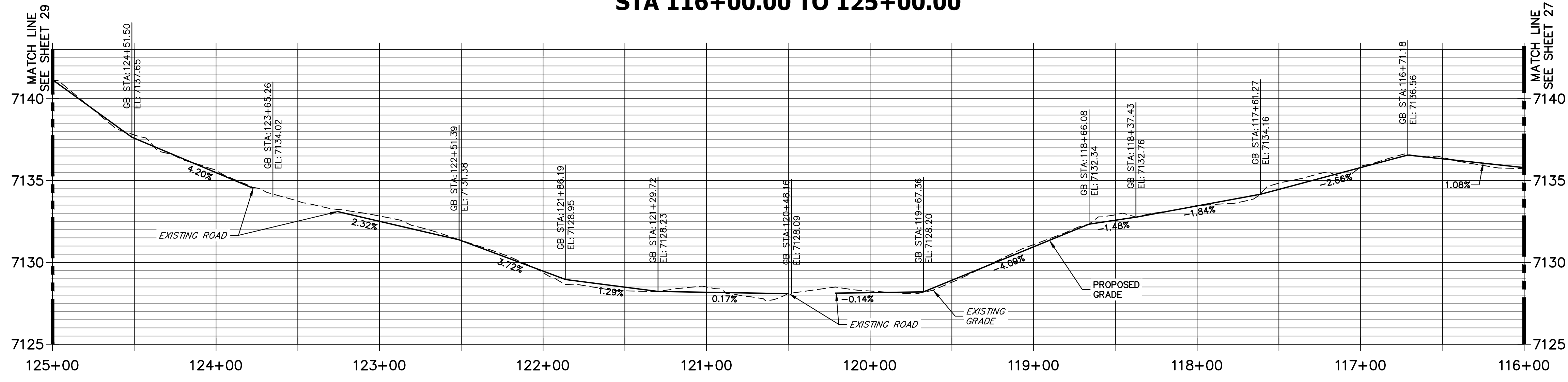
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| LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | | |
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| Project No./Code | M915-009/22585 |
| | 2520300 |
| Sheet Number | 27 OF 42 |

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



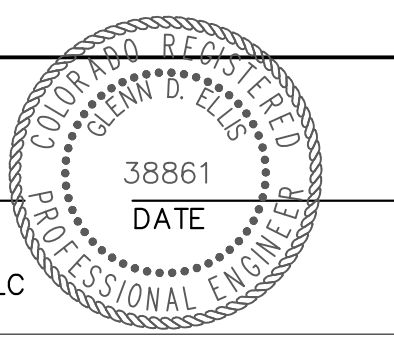
- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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: 11/23/2022

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 | | |
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| Date: | Comments | Init. |
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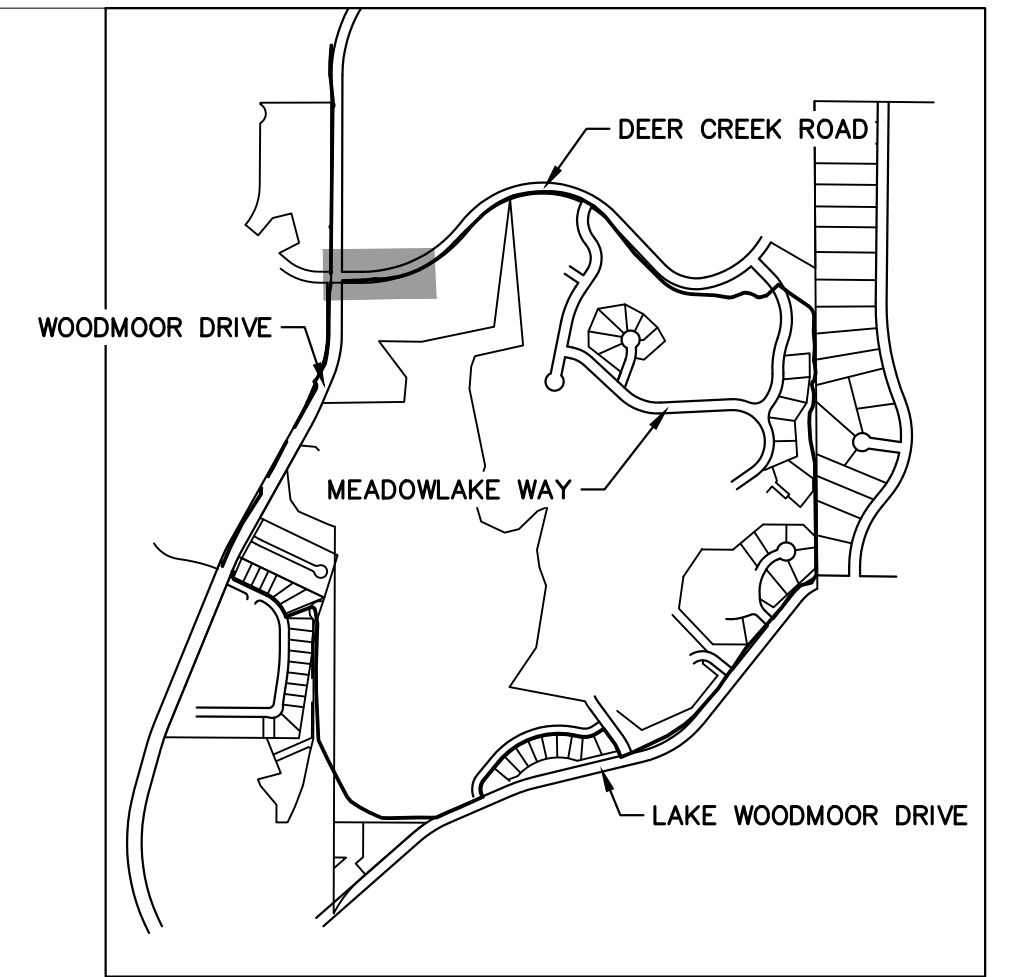
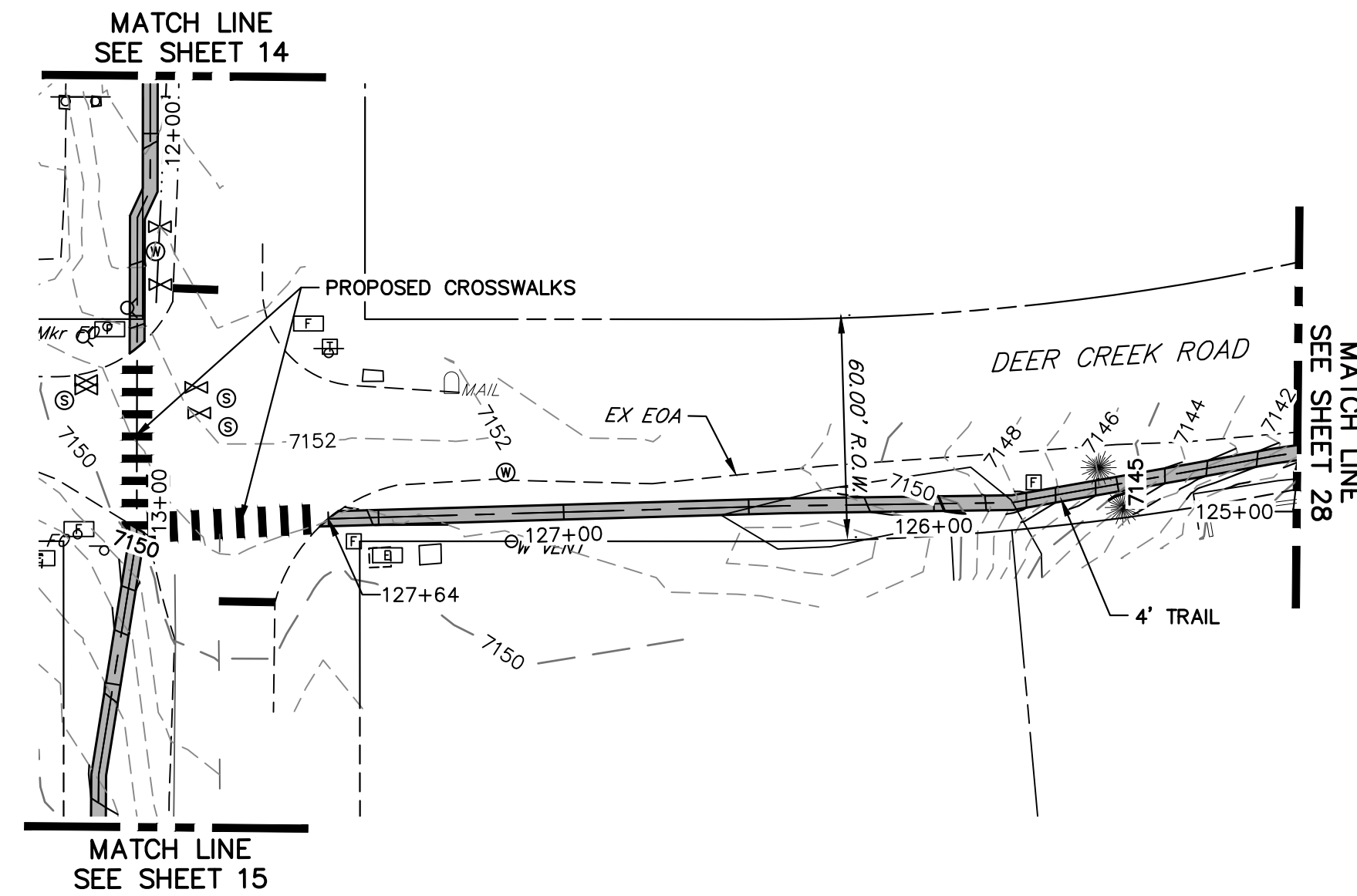
Colorado Department of Transportation

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

Lewis Palmer School District 38

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| As Constructed | LEWIS PALMER TRAIL TRAIL PLAN AND PROFILE | | Project No./Code |
| No Revisions: | Designer: GG Structure: GG | | M915-009/22585 |
| Revised: | Detailer: GG Numbers: | | 2520300 |
| Void: | Sheet Subset: | Subset Sheets: OF | Sheet Number 28 OF 42 |

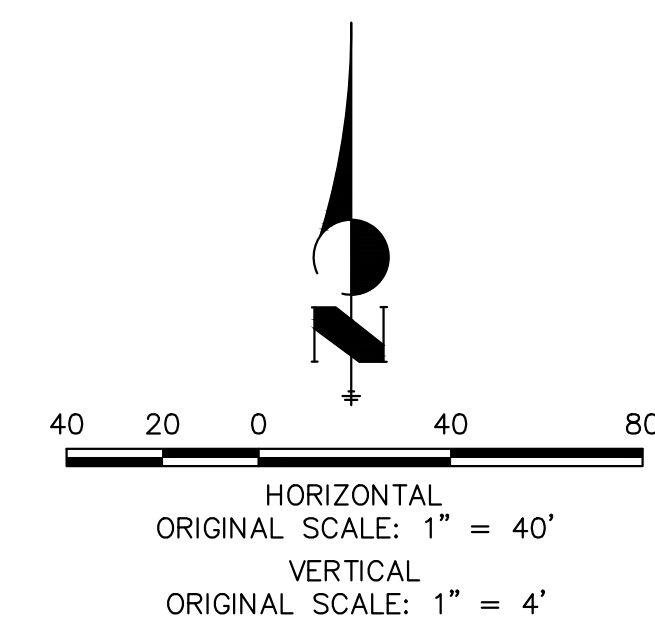
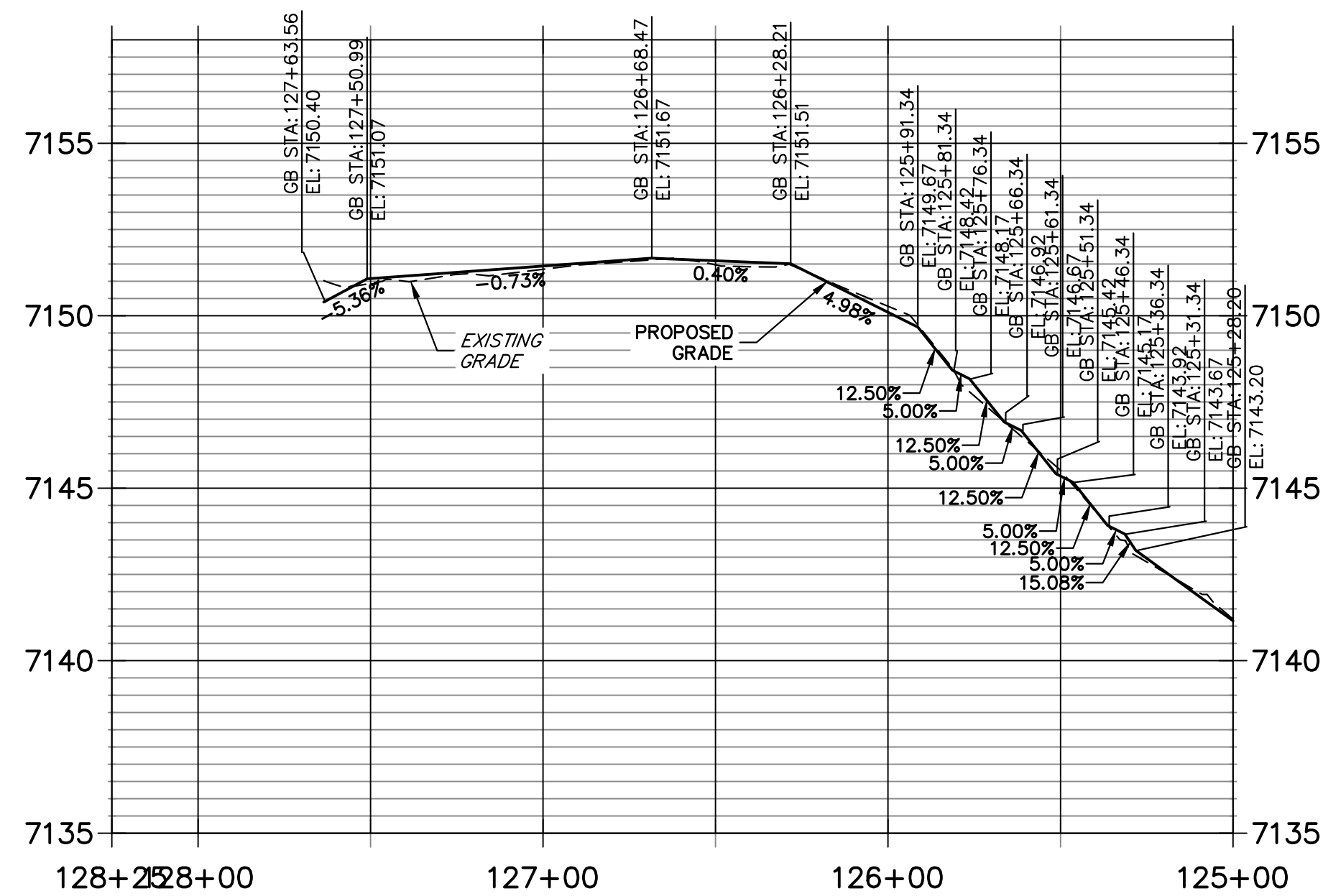
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KEY MAP
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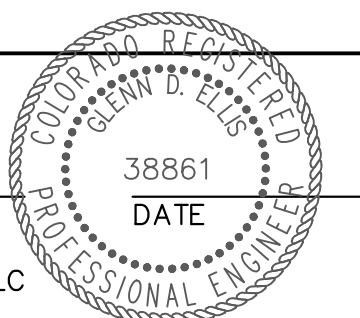
- NOTES:
1. THE SURVEY OF EXISTING CONDITIONS WAS COMPLETED IN APRIL 2021. THERE ARE A NUMBER OF LOCATIONS ALONG THE CORRIDOR THAT HAVE BEEN MODIFIED BY OTHER WORK SINCE THEN (I.E. UTILITY AND GRADING) THAT ARE NOT REPRESENTED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE TRAIL ALIGNMENT 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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**LEWIS PALMER TRAIL PROFILE (16)
STA 125+00.00 TO 128+25.00**



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

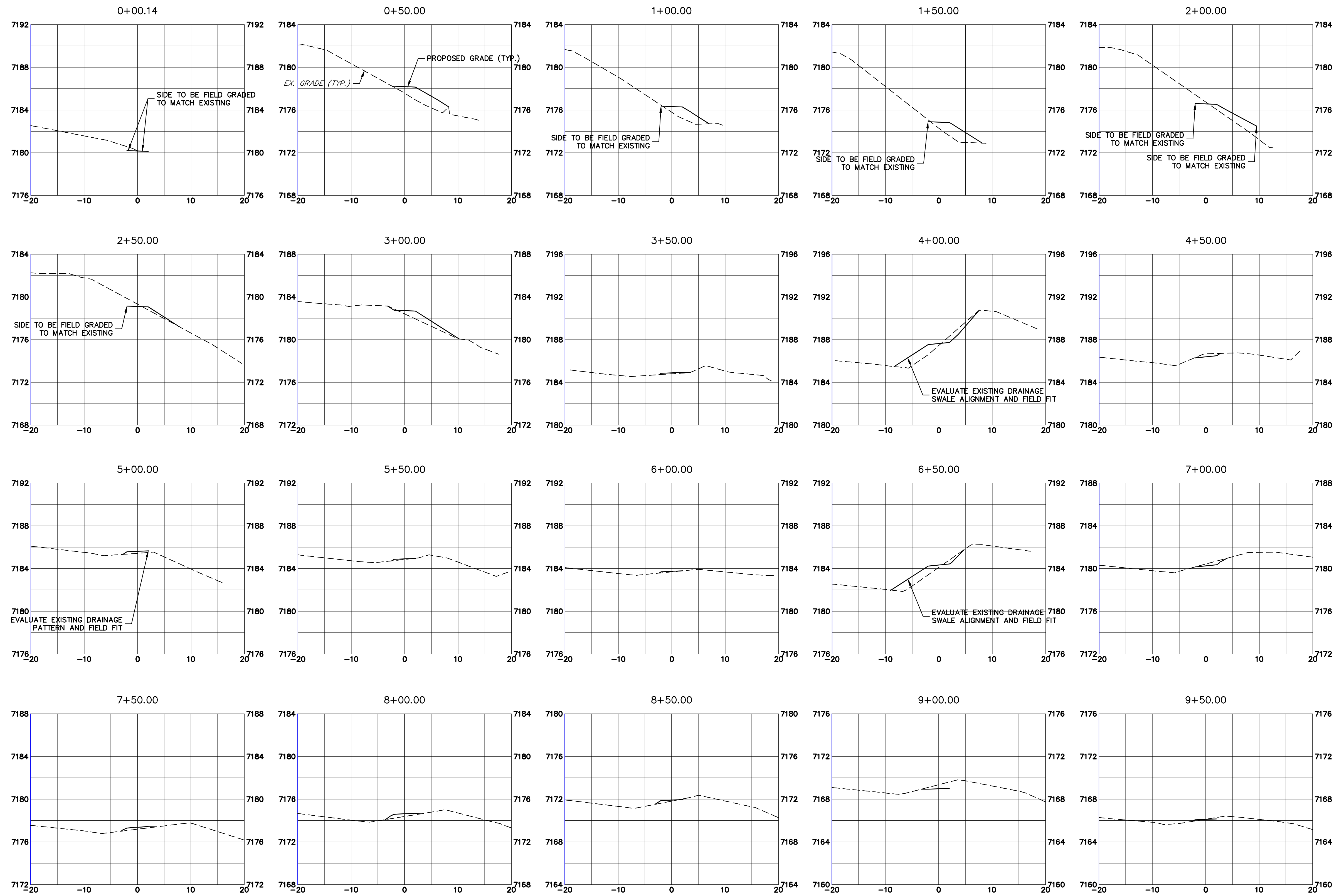
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File Name:
Horiz. Scale: 1"=40' Vert. Scale: 1"=4'
Unit name Unit leader
J-R ENGINEERING
A Westrian Company
Centennial 303-740-9393 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

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Pueblo, CO 81008
Phone: 719-546-5750
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| 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: | Subset Sheets: OF |
| | | | Sheet Number 29 OF 42 |

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Print Date: 11/23/2022
 File Name:
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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 | | |
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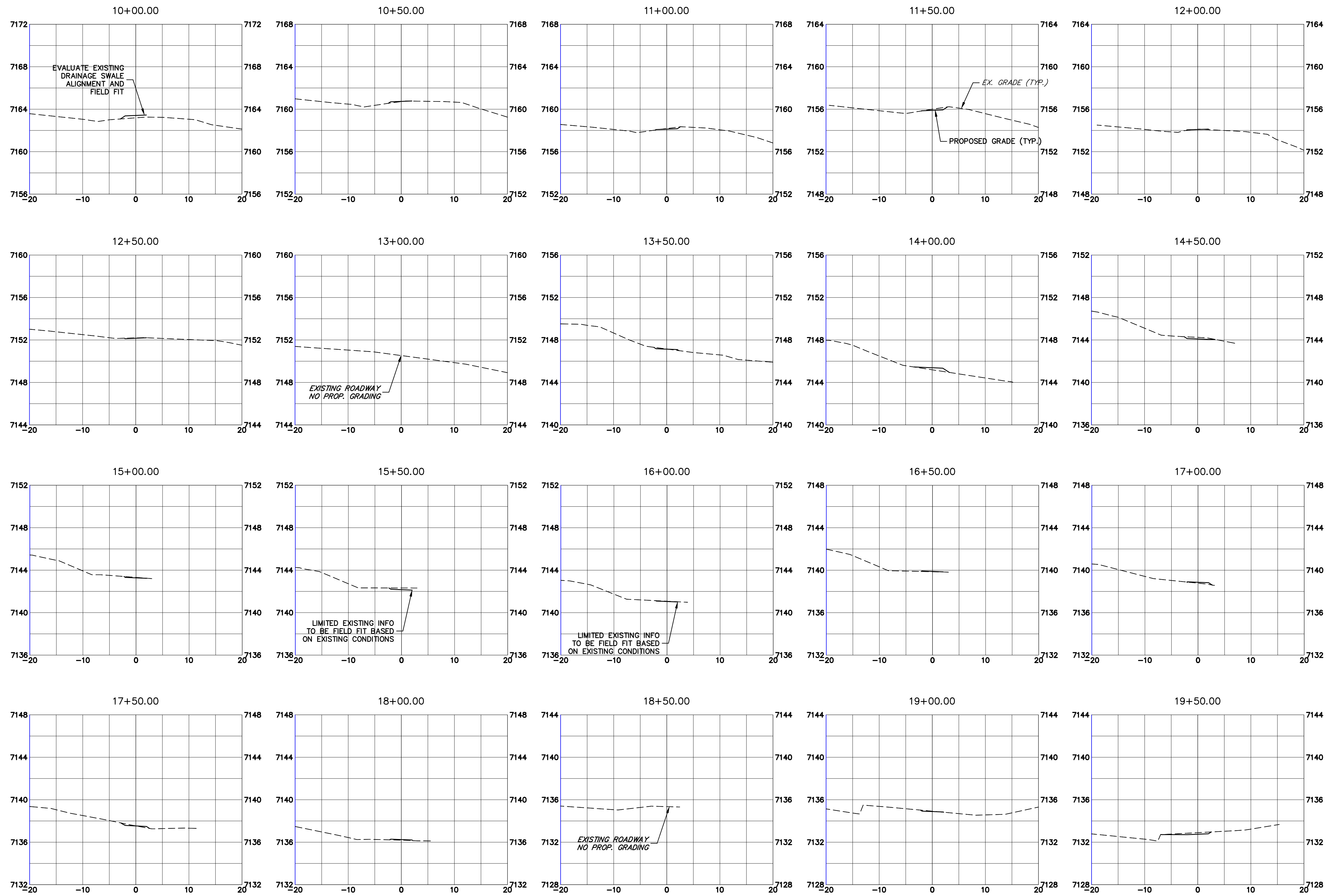
Colorado Department of Transportation
LP
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2 Lewis Palmer School District 38

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| As Constructed |
| No Revisions: |
| Revised: |
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| LEWIS PALMER TRAIL CROSS SECTION | | | |
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| Detailer: | GG | Numbers | |
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| Project No./Code | M915-009/22585 |
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| Sheet Number | 30 OF 42 |

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 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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| Sheet Revisions | | |
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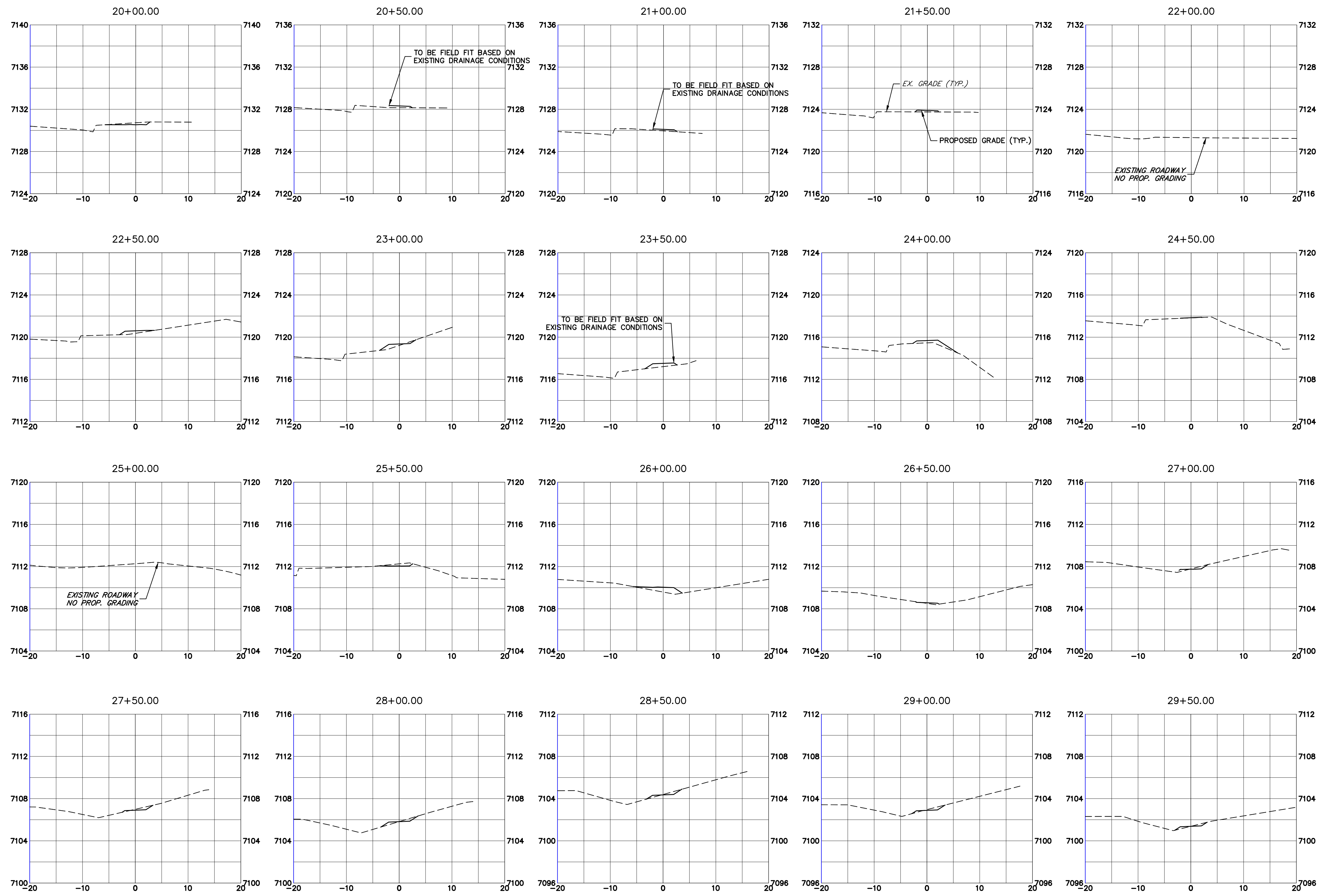
Colorado Department of Transportation
 Region 2
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Lewis Palmer School District 38


As Constructed
 No Revisions:
 Revised:
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LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure Numbers
 Detailer: GG
 Sheet Subset: Subset Sheets: OF


Project No./Code
 M915-009/22585
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 Sheet Number 31 OF 42

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Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
 **J-R ENGINEERING**
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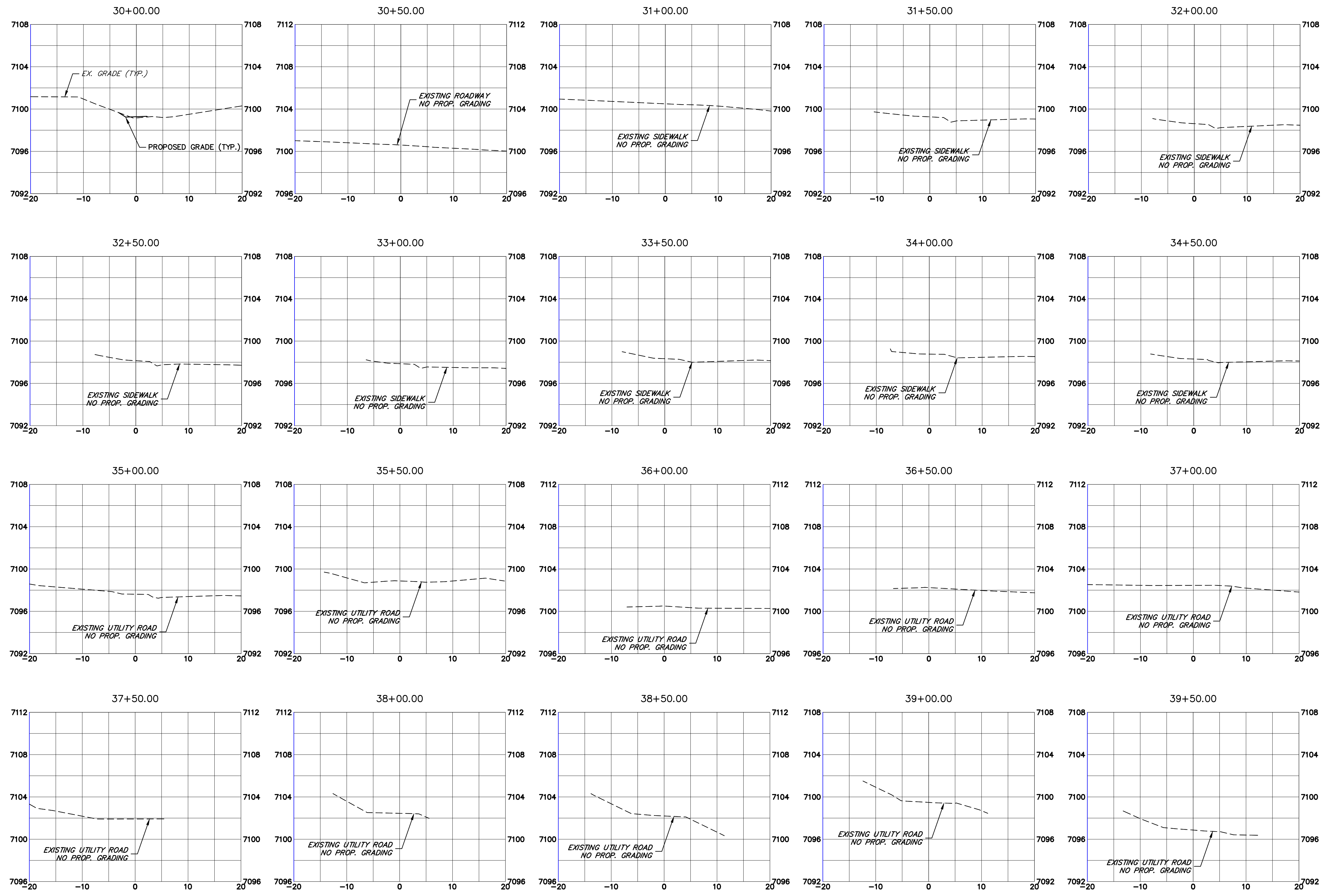
Colorado Department of Transportation
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Lewis Palmer School District 38
 Region 2

As Constructed
 No Revisions:
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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 32 OF 42

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Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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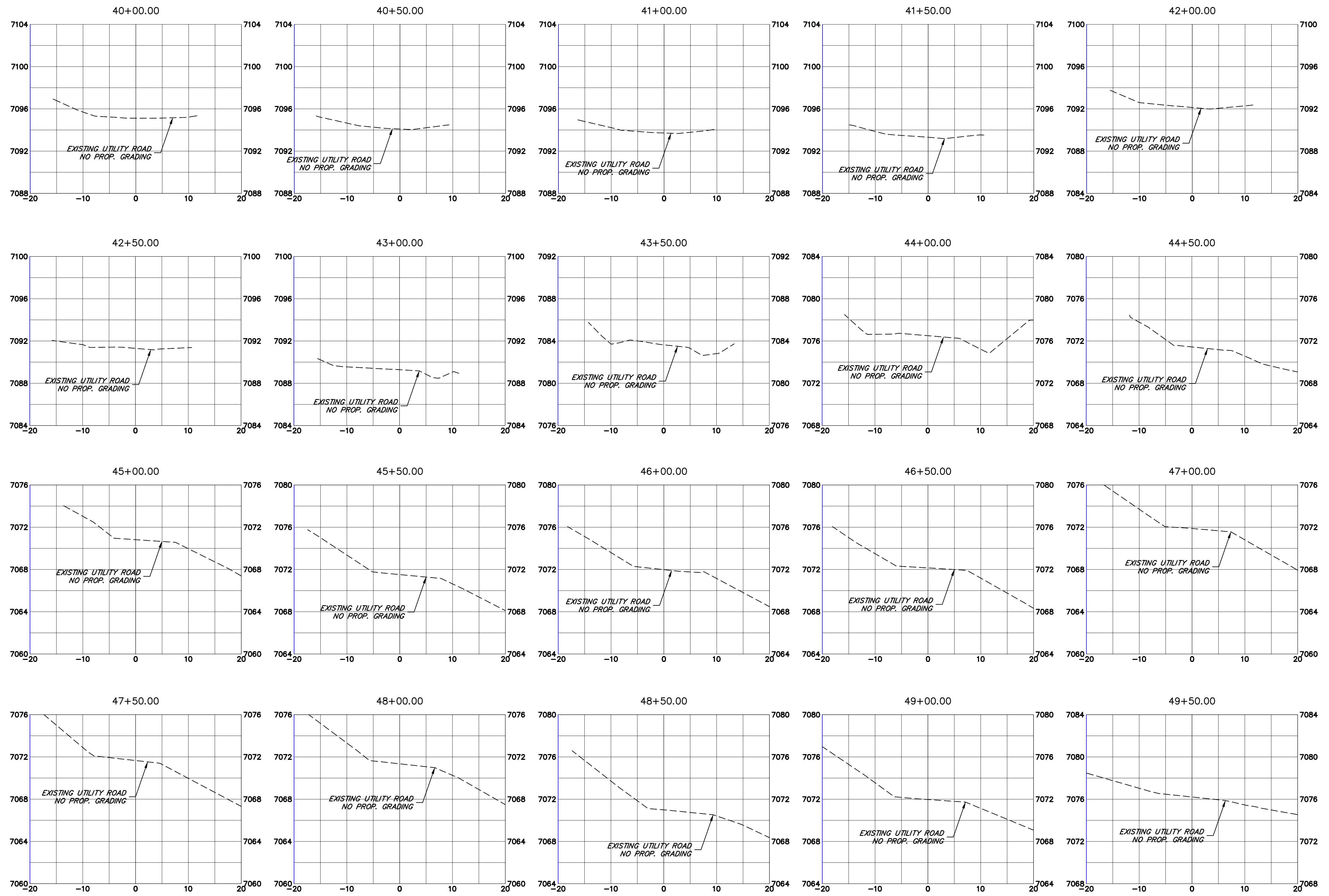
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 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Lewis Palmer School District 38
 Region 2

As Constructed
 No Revisions:
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 Void:

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

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 33 OF 42

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Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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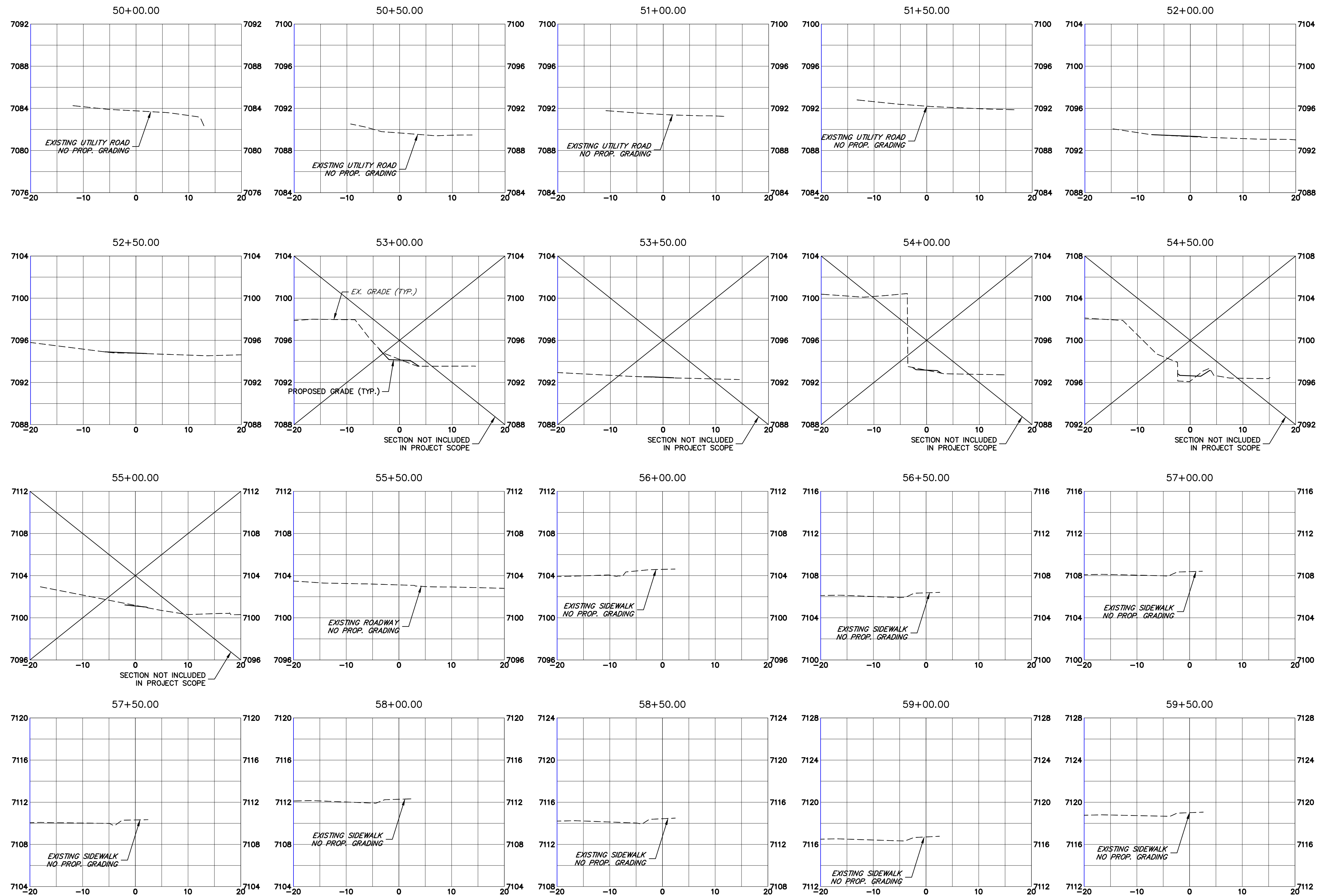
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Colorado Department of Transportation
LP
 5615 WILL BLVD.
 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2 Lewis Palmer School District 38

As Constructed
 No Revisions:
 Revised:
 Void:

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

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 34 OF 42



Know what's below.
Call before you dig.

Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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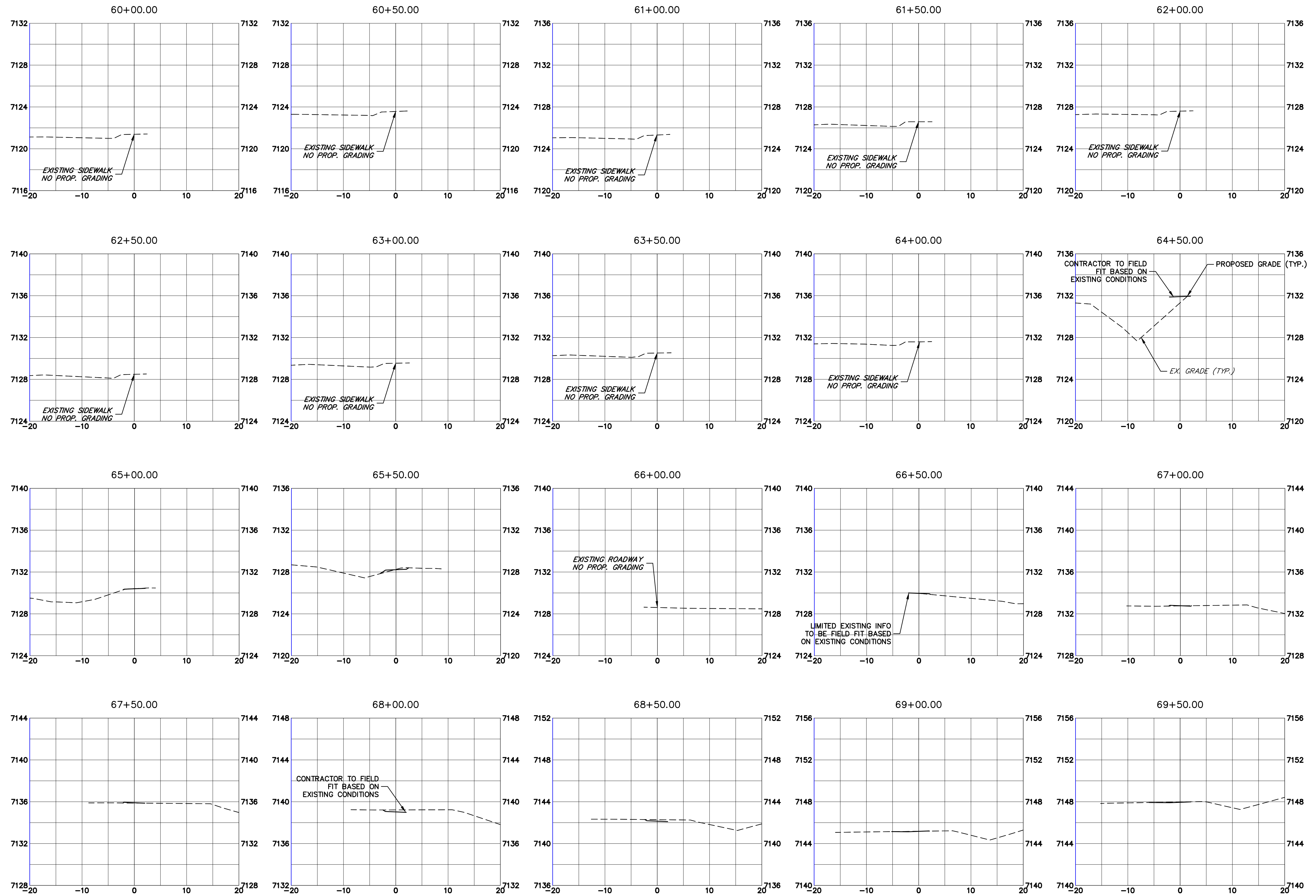
Colorado Department of Transportation

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 Pueblo, CO 81008
 Phone: 719-546-5750
 Region 2 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 35 OF 42



Know what's below.
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Print Date: 11/23/2022

File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5"
 Unit name Unit leader

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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

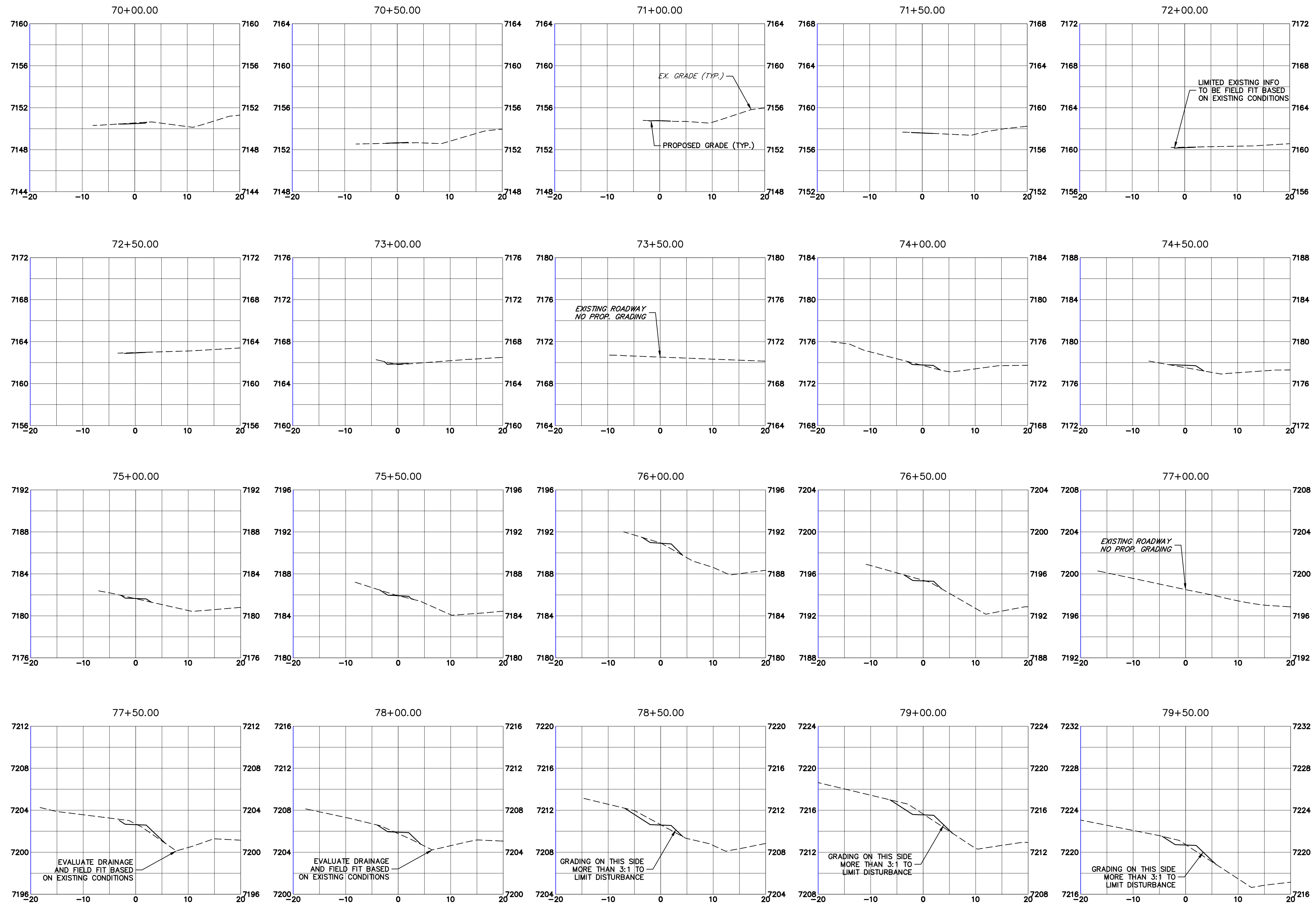
Project No./Code

M915-009/22585

2520300

Sheet Number 36 OF 42

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Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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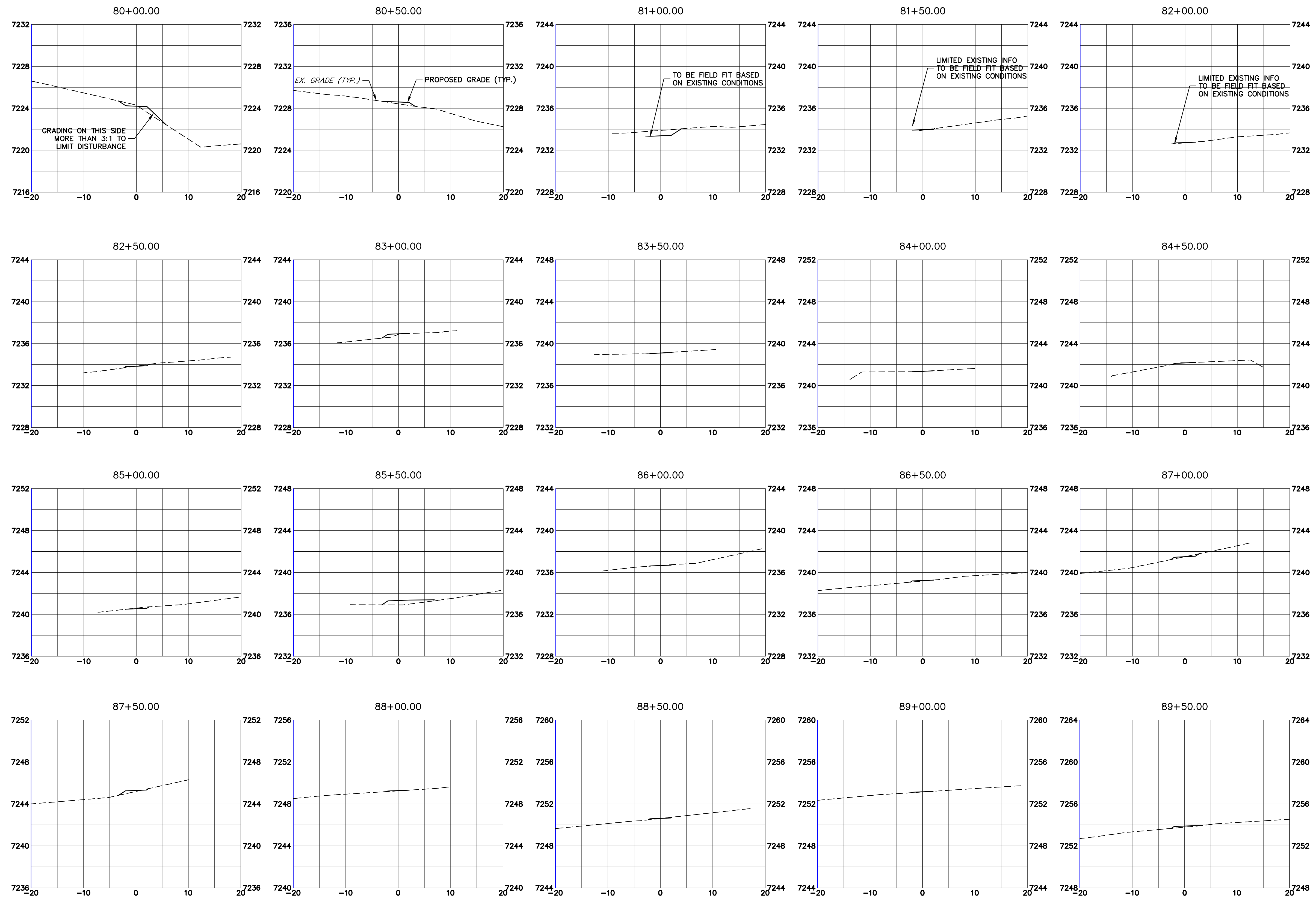
Colorado Department of Transportation
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 Region 2

As Constructed
 No Revisions:
 Revised:
 Void:

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

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 37 OF 42

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Know what's below.
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Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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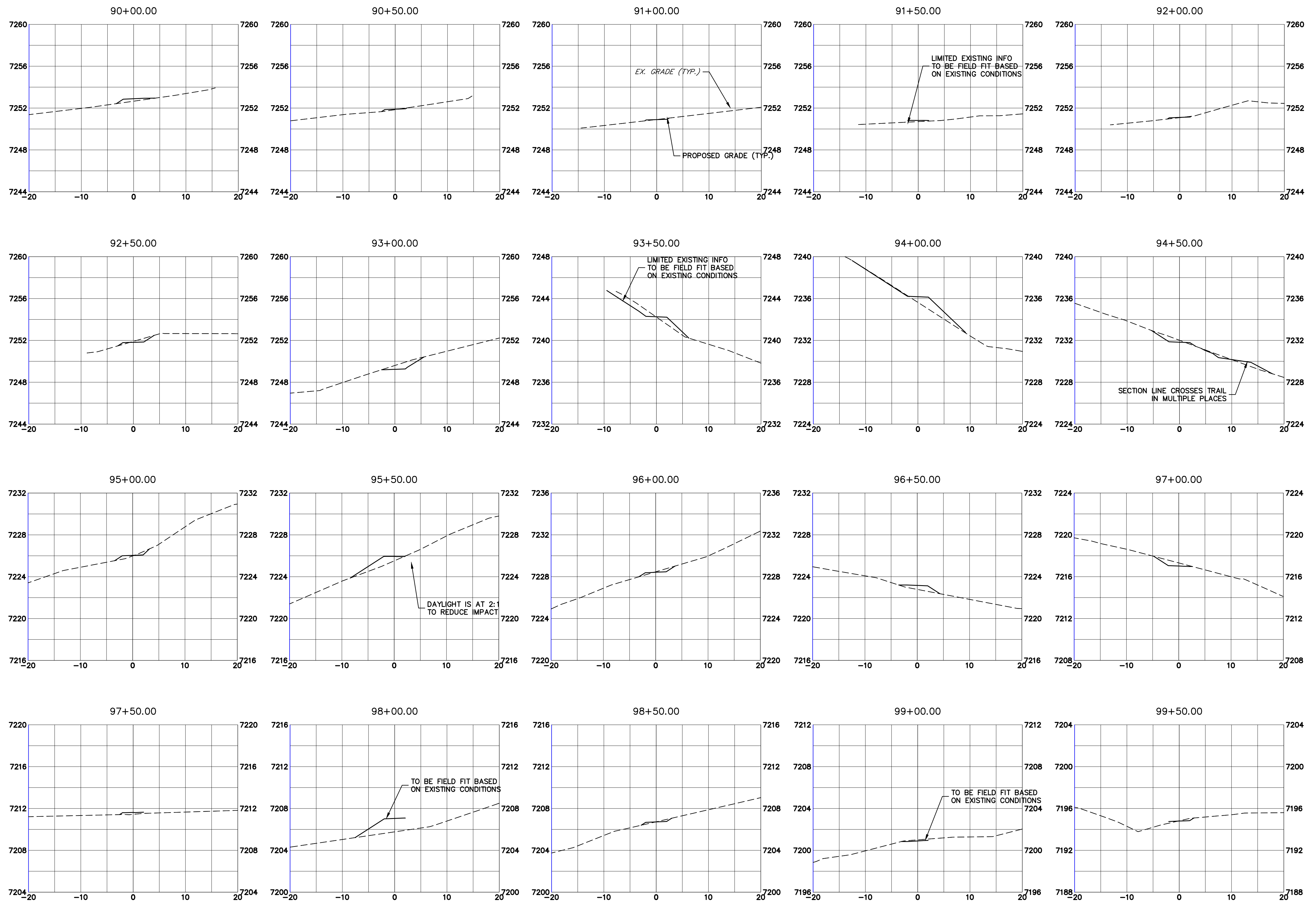

 Lewis Palmer School District 38

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LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 38 OF 42

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Print Date: 11/23/2022
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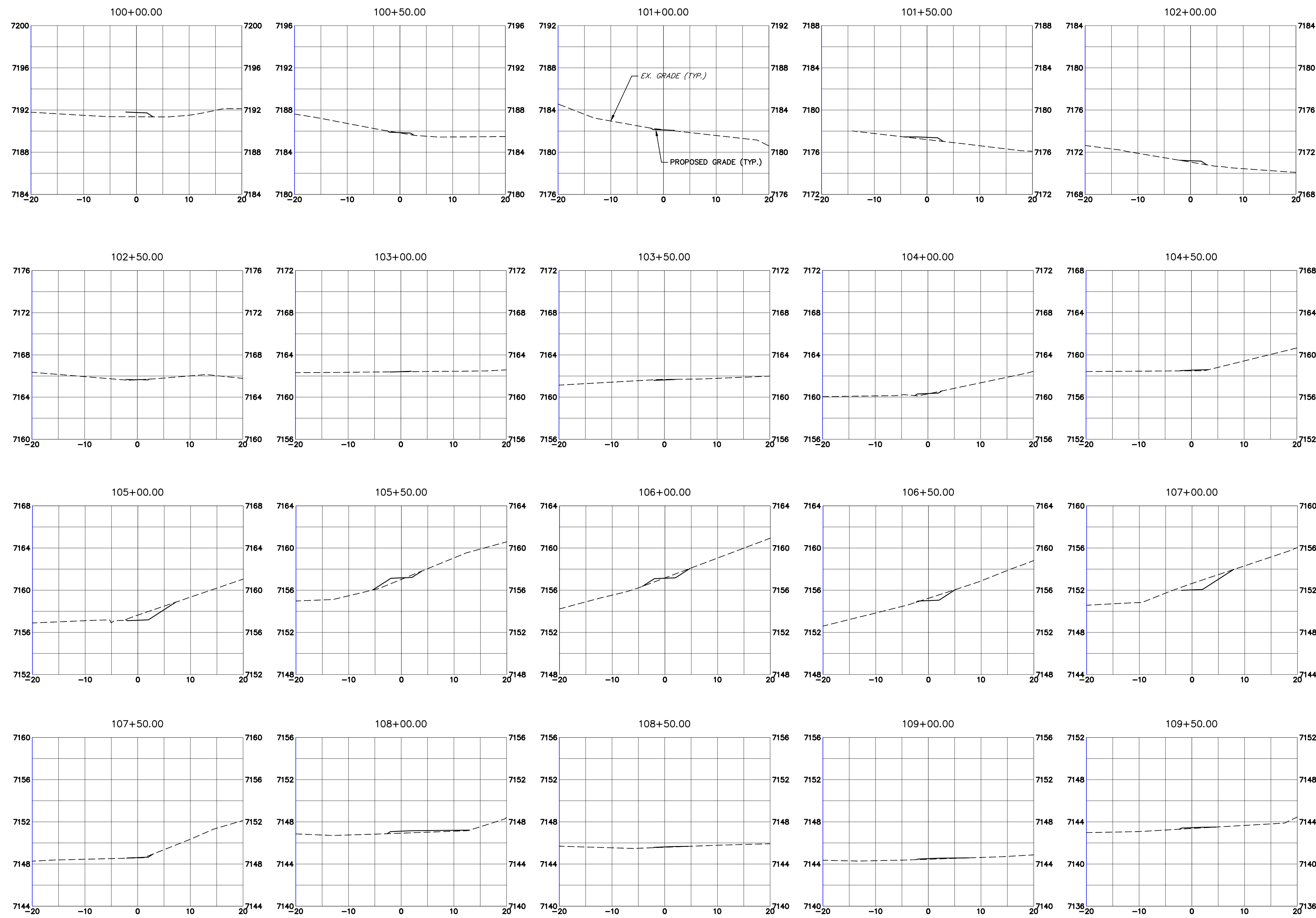
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 Phone: 719-546-5750
 Region 2 Lewis Palmer School District 38


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 Revised:
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 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 39 OF 42

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Print Date: 11/23/2022
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 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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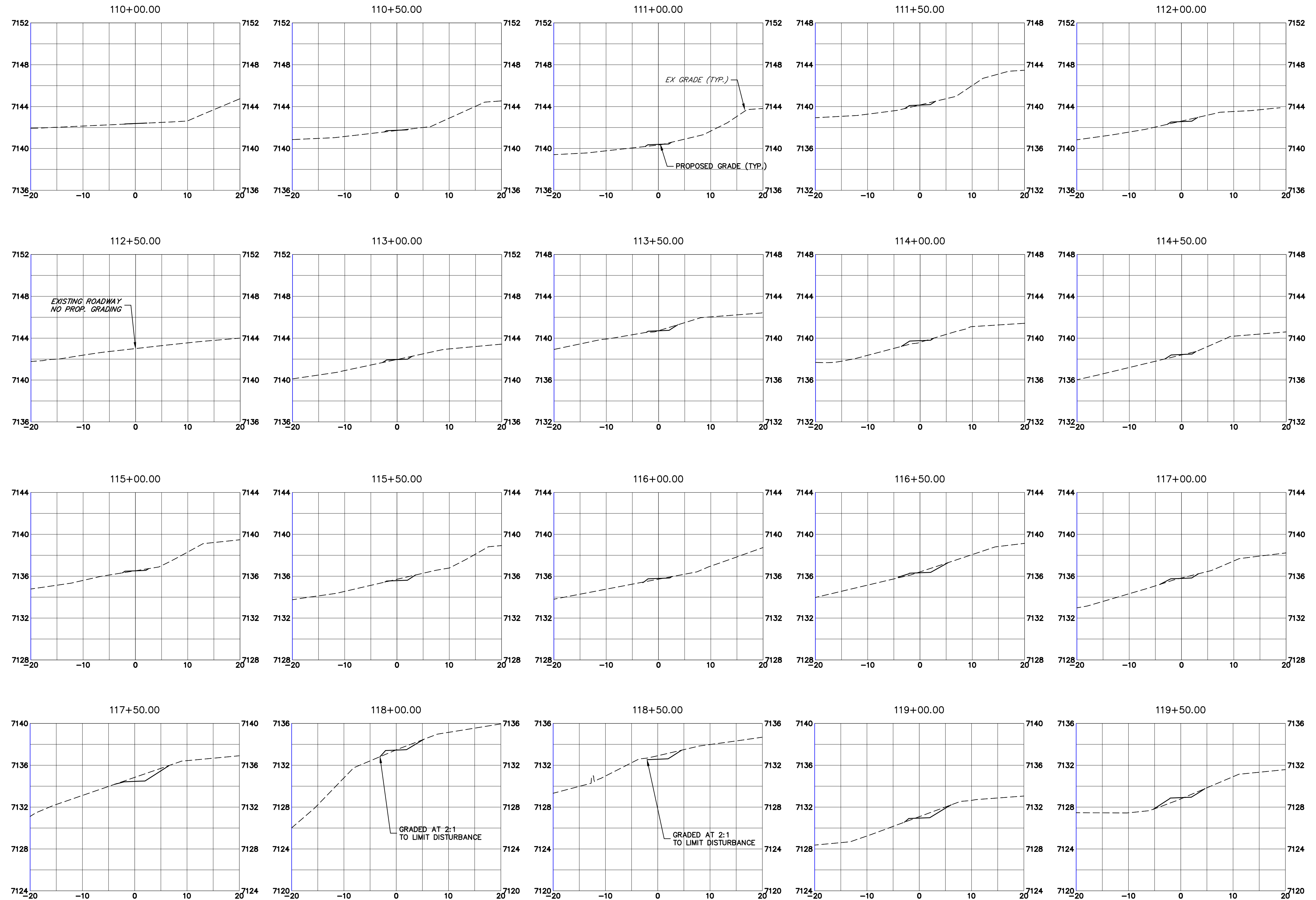
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 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 40 OF 42

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Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
 Unit name Unit leader
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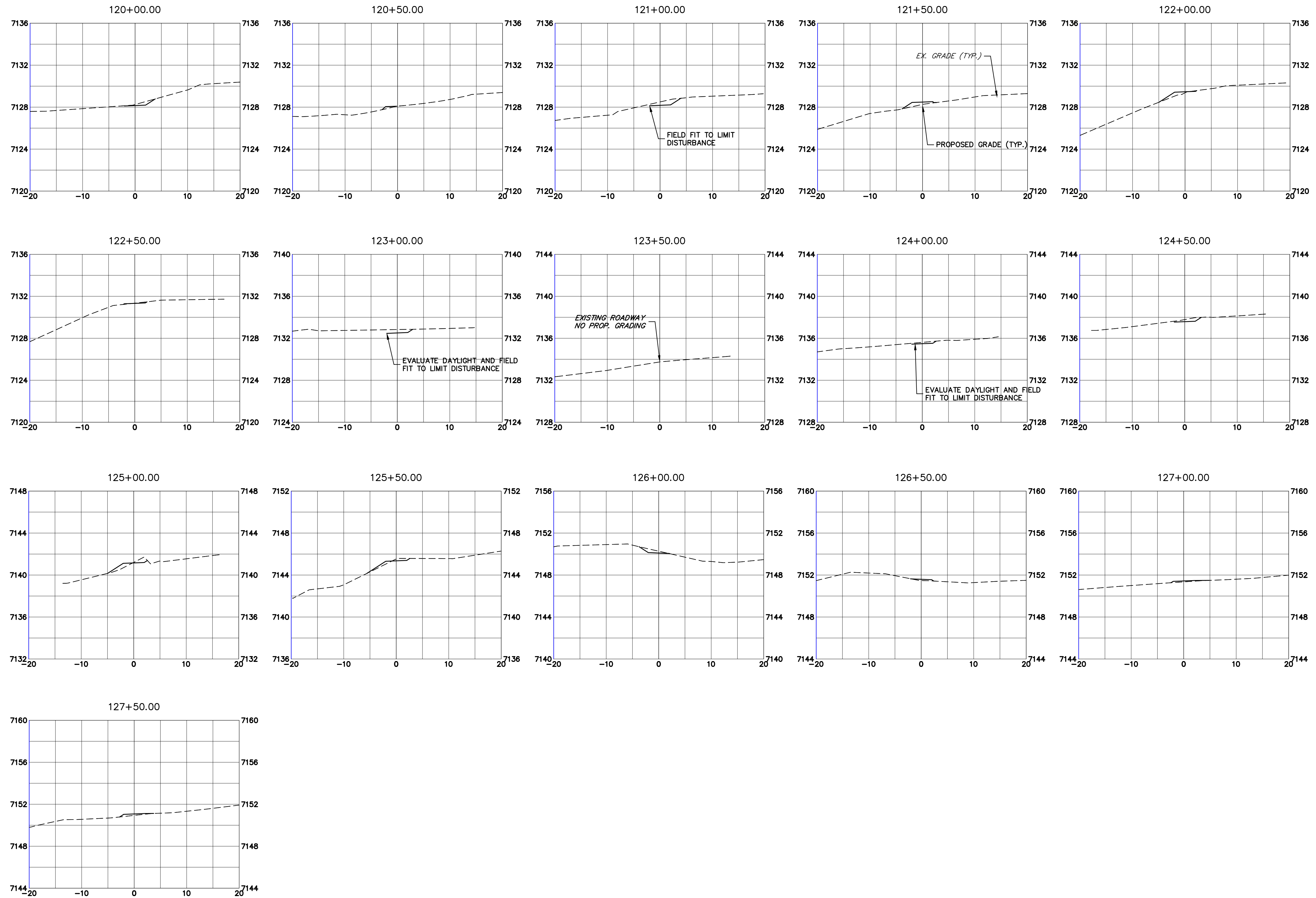
Colorado Department of Transportation
 5615 WILL BLVD.
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 No Revisions:
 Revised:
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LEWIS PALMER TRAIL
 CROSS SECTION
 Designer: GG Structure
 Detailer: GG Numbers
 Sheet Subset: Subset Sheets: OF

Project No./Code
 M915-009/22585
 2520300
 Sheet Number 41 OF 42

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Know what's below.
Call before you dig.

Print Date: 11/23/2022
 File Name:
 Horiz. Scale: 1"=10' Vert. Scale: 1"=5'
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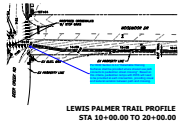
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Project No./Code
 M915-009/22585
 2520300
 Sheet Number 42 OF 42

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v2_Site Development Plan.pdf Markup Summary

Callout (2)



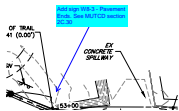
Subject: Callout
Page Label: [38] 38 CROSS SECTION
Author: CDurham
Date: 12/21/2022 7:34:07 AM
Status:
Color: ■
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Per ECM Section 6.3.4 "Detectable Warning Surfaces shall be provided where shared use path connects to pedestrian street crossing". Based on this criteria, pedestrian ramps with DWS will need to be provided at each intersection, providing visual and textural variation between path and crossing.



Subject: Re: Callout
Page Label: [38] 38 CROSS SECTION
Author: dsdrice
Date: 12/22/2022 9:44:21 AM
Status:
Color: ■
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Not sure that a full curb ramp is required, but I would request a design for DWS



Subject: Callout
Page Label: [42] 42 CROSS SECTION
Author: CDurham
Date: 12/21/2022 7:46:41 AM
Status:
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Add sign W8-3 - Pavement Ends. See MUTCD section 2C.30