

100% CD DRAWINGS FOR CITY OF BILLINGS AVIATION AND TRANSIT DEPARTMENT BILLINGS LOGAN INTERNATIONAL AIRPORT

AIP 3-30-0008-089-2026
2026 TAXILANE CONSTRUCTION
FEBRUARY 2026

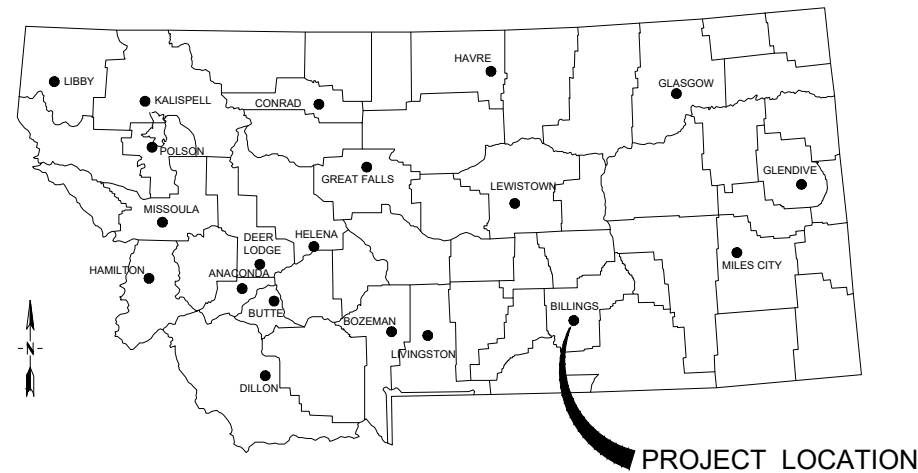


PREPARED BY:



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LOCATION MAP
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VICINITY MAP
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APPROVED BY:



HEATHER E. MOSSER, P.E.
Project Manager

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FEBRUARY 2026

SET NO. _____

MMI PROJECT NO. 2447.150.27

EXISTING LEGEND

- EXISTING BOLLARD
- ⊙ EXISTING CLEANOUT
- ⊗ EXISTING CURB STOP
- ▣ EXISTING CABLE TV PEDESTAL
- ▤ EXISTING RETROREFLECTIVE MARKER
- ▣ EXISTING ELECTRICAL JUNCTION BOX
- ▣ EXISTING ELECTRICAL PEDESTAL
- ▣ EXISTING ELECTRICAL METER
- ⊗ EXISTING FIRE HYDRANT
- ▣ EXISTING NATURAL GAS METER
- ⊗ EXISTING NATURAL GAS VALVE
- ← EXISTING GUY WIRE
- ⊗ EXISTING HYDRANT VALVE
- ▣ EXISTING IRRIGATION CONTROL VALVE
- ☆ EXISTING LIGHT POLE
- ⊙ EXISTING ELECTRICAL MANHOLE
- ⊙ EXISTING FIBER OPTIC MANHOLE
- ⊙ EXISTING SANITARY SEWER MANHOLE
- ⊙ EXISTING STORM DRAIN MANHOLE
- ⊙ EXISTING TELEPHONE MANHOLE
- ⊙ EXISTING WATER MANHOLE
- ⊙ EXISTING MONITORING WELL
- ⊙ EXISTING POWER POLE
- ⊙ EXISTING BASE MOUNTED RUNWAY/TAXIWAY LIGHT
- ⊙ EXISTING FLUSH MOUNTED RUNWAY LIGHT
- ▣ EXISTING STORM DRAIN INLET
- ⊙ EXISTING SIGN POST
- ⊗ EXISTING SPRINKLER HEAD
- ⊕ EXISTING SPRINKLER VALVE
- EXISTING CONIFEROUS TREE
- ⊗ EXISTING DECIDUOUS TREE
- ⊙ EXISTING TELEPHONE POLE
- ▣ EXISTING TRANSFORMER
- ▣ EXISTING TELEPHONE PEDESTAL
- ⊙ EXISTING TAXIWAY LIGHT
- ▣ EXISTING WATER METER
- ⊗ EXISTING WATER VALVE
- BORE HOLE

- EXISTING CULVERT
- EXISTING FLOWLINE
- x-x-x-x-x-x-x-x- EXISTING BARBED WIRE FENCE
- EXISTING CHAIN LINE FENCE
- EXISTING WOODEN FENCE
- IRR--- EXISTING IRRIGATION LINE
- SD---SD--- EXISTING STORM DRAIN
- SS---SS--- EXISTING SANITARY SEWER
- BF---BF--- EXISTING BURIED FIBER OPTIC
- NG---NG--- EXISTING NATURAL GAS LINE
- BP---BP--- EXISTING BURIED POWER
- BT---BT--- EXISTING BURIED TELEPHONE
- BTV---BTV--- EXISTING BURIED TELEVISION
- OHP--- EXISTING OVERHEAD POWER
- OHT--- EXISTING OVERHEAD TELEPHONE
- PETRO--- EXISTING BURIED PETROLEUM LINE
- W--- EXISTING WATER MAIN
- /---/---/--- EXISTING CONDUIT WITH EXISTING CABLE(S)
CROSS HATCH DENOTES NUMBER OF CABLES IN CONDUIT
- EXISTING CURB AND GUTTER
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING BUILDING

PROPOSED LEGEND

- NEW ASPHALT
- NEW MILLINGS PLACEMENT
- SD---SD---SD--- NEW STORM DRAIN
- ⊙ NEW STORM DRAIN MANHOLE
- >--->--->--- NEW DITCH FLOWLINE
- NEW CHAIN LINK SECURITY FENCE

INDEX OF SHEETS

SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
1		COVER SHEET
2	G-1	LEGEND AND INDEX OF SHEETS
3	G-2	SITE PLAN
4	CP-1	CONSTRUCTION SAFETY AND PHASING PLAN
5	CP-2	CONSTRUCTION SAFETY AND PHASING DETAIL
6	C-1	DEMO PLAN
7	C-2	TAXILANE PLAN AND PROFILE
8	C-3	WEST STORM DRAIN PLAN AND PROFILE
9	C-4	EAST STORM DRAIN PLAN AND PROFILE
10	C-5	CONSTRUCTION ACCESS GRADING PLAN
11	C-4	TAXILANE PAVEMENT MARKING PLAN
12	C-5	SECURITY FENCE PLAN
13	D-1	DETAILS
14	D-2	FENCE DETAILS

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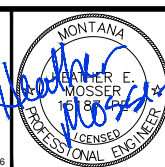
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BILLINGS LOGAN INTERNATIONAL AIRPORT 2026 TAXILANE CONSTRUCTION AIP 3-30-0008-089-2026		MONTANA
LEGEND AND INDEX OF SHEETS		DRAWING NUMBER G-1

PROJECT NUMBER 2447.150.27
SHEET NUMBER 2
DRAWING NUMBER G-1

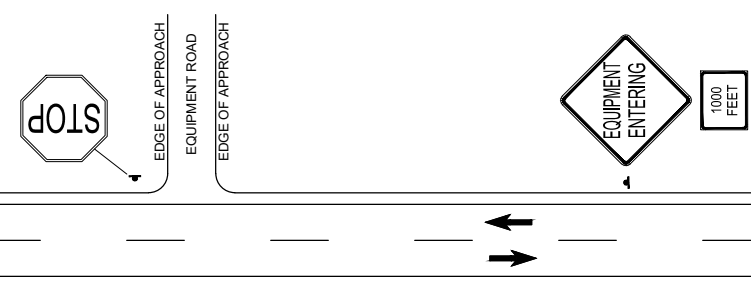
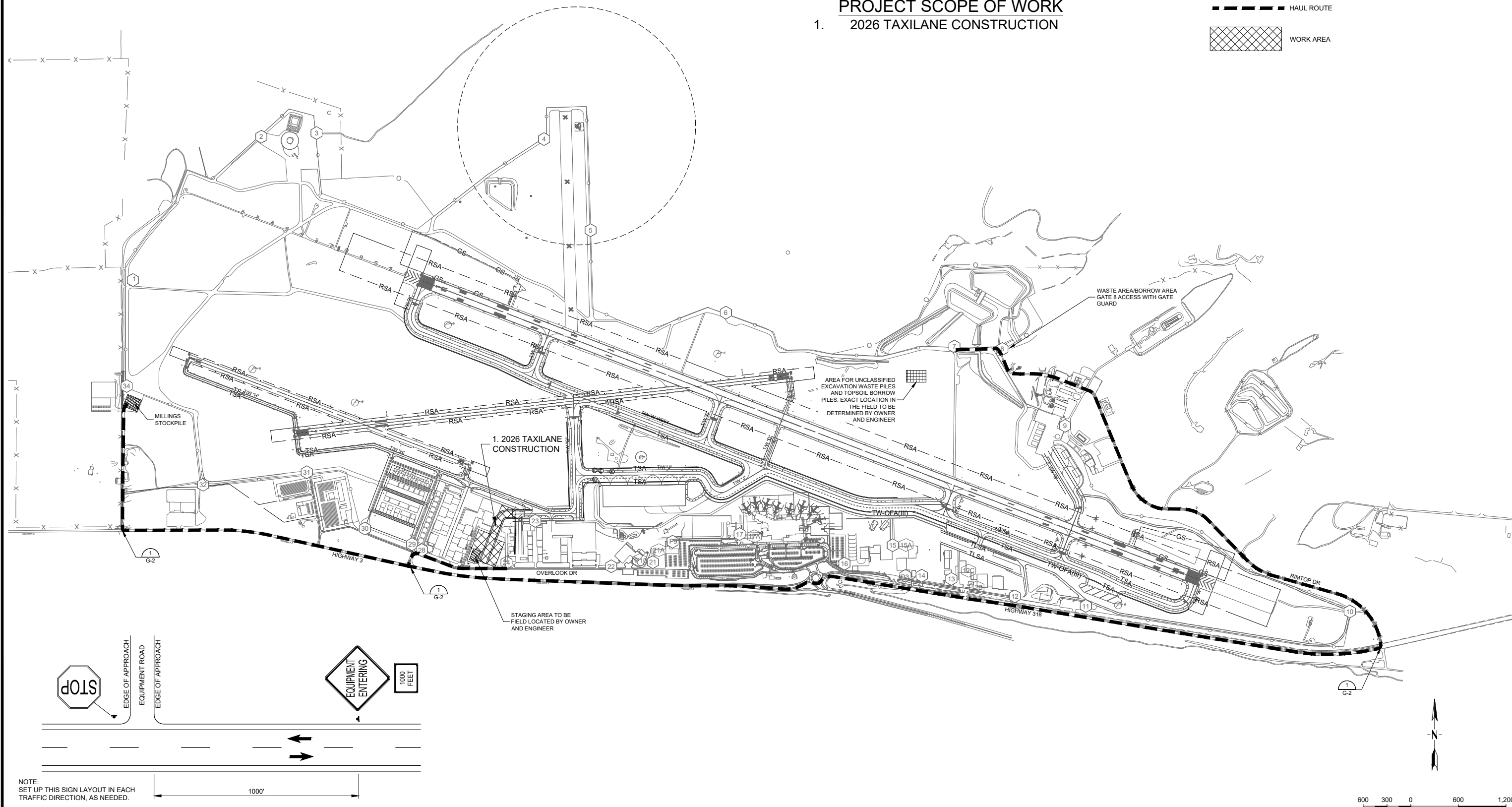
LEGEND

12 GATE NUMBER

HAUL ROUTE

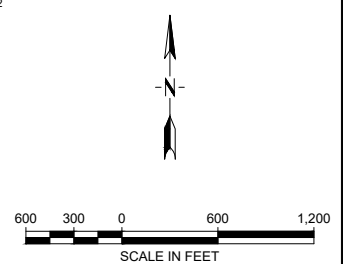
WORK AREA

PROJECT SCOPE OF WORK
1. 2026 TAXILANE CONSTRUCTION



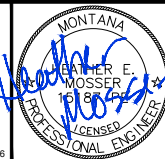
NOTE:
SET UP THIS SIGN LAYOUT IN EACH
TRAFFIC DIRECTION, AS NEEDED.

1
G-2 TYPICAL ACCESS SIGNING DETAIL
NOT TO SCALE



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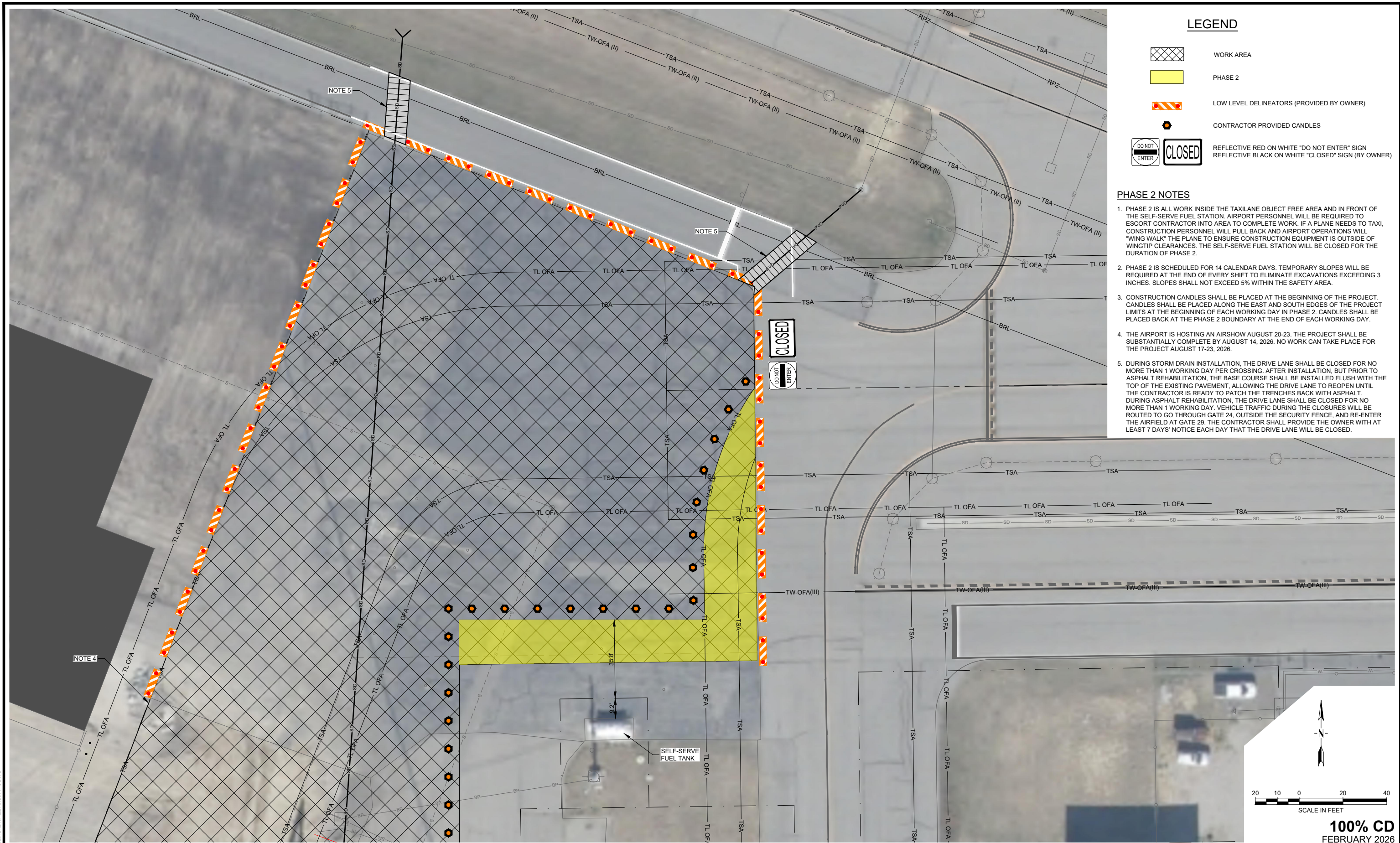
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SITE PLAN

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PROJECT NUMBER 2447.150.27
SHEET NUMBER 3
DRAWING NUMBER G-2



LEGEND

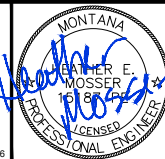
-  WORK AREA
-  PHASE 2
-  LOW LEVEL DELINEATORS (PROVIDED BY OWNER)
-  CONTRACTOR PROVIDED CANDLES
-  REFLECTIVE RED ON WHITE "DO NOT ENTER" SIGN
-  REFLECTIVE BLACK ON WHITE "CLOSED" SIGN (BY OWNER)

PHASE 2 NOTES

1. PHASE 2 IS ALL WORK INSIDE THE TAXILANE OBJECT FREE AREA AND IN FRONT OF THE SELF-SERVE FUEL STATION. AIRPORT PERSONNEL WILL BE REQUIRED TO ESCORT CONTRACTOR INTO AREA TO COMPLETE WORK. IF A PLANE NEEDS TO TAXI, CONSTRUCTION PERSONNEL WILL PULL BACK AND AIRPORT OPERATIONS WILL "WING WALK" THE PLANE TO ENSURE CONSTRUCTION EQUIPMENT IS OUTSIDE OF WINGTIP CLEARANCES. THE SELF-SERVE FUEL STATION WILL BE CLOSED FOR THE DURATION OF PHASE 2.
2. PHASE 2 IS SCHEDULED FOR 14 CALENDAR DAYS. TEMPORARY SLOPES WILL BE REQUIRED AT THE END OF EVERY SHIFT TO ELIMINATE EXCAVATIONS EXCEEDING 3 INCHES. SLOPES SHALL NOT EXCEED 5% WITHIN THE SAFETY AREA.
3. CONSTRUCTION CANDLES SHALL BE PLACED AT THE BEGINNING OF THE PROJECT. CANDLES SHALL BE PLACED ALONG THE EAST AND SOUTH EDGES OF THE PROJECT LIMITS AT THE BEGINNING OF EACH WORKING DAY IN PHASE 2. CANDLES SHALL BE PLACED BACK AT THE PHASE 2 BOUNDARY AT THE END OF EACH WORKING DAY.
4. THE AIRPORT IS HOSTING AN AIRSHOW AUGUST 20-23. THE PROJECT SHALL BE SUBSTANTIALLY COMPLETE BY AUGUST 14, 2026. NO WORK CAN TAKE PLACE FOR THE PROJECT AUGUST 17-23, 2026.
5. DURING STORM DRAIN INSTALLATION, THE DRIVE LANE SHALL BE CLOSED FOR NO MORE THAN 1 WORKING DAY PER CROSSING. AFTER INSTALLATION, BUT PRIOR TO ASPHALT REHABILITATION, THE BASE COURSE SHALL BE INSTALLED FLUSH WITH THE TOP OF THE EXISTING PAVEMENT, ALLOWING THE DRIVE LANE TO REOPEN UNTIL THE CONTRACTOR IS READY TO PATCH THE TRENCHES BACK WITH ASPHALT. DURING ASPHALT REHABILITATION, THE DRIVE LANE SHALL BE CLOSED FOR NO MORE THAN 1 WORKING DAY. VEHICLE TRAFFIC DURING THE CLOSURES WILL BE ROUTED TO GO THROUGH GATE 24, OUTSIDE THE SECURITY FENCE, AND RE-ENTER THE AIRFIELD AT GATE 29. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AT LEAST 7 DAYS' NOTICE EACH DAY THAT THE DRIVE LANE WILL BE CLOSED.

VERIFY SCALE AND COLOR!
THIS SHEET MAY BE REDUCED AND IS INTENDED TO BE IN COLOR. THE BAR BELOW WILL MEASURE ONE INCH AT ORIGINAL DESIGN SCALE AND RED, GREEN, AND BLUE WILL BE VISIBLE IF REPRODUCED CORRECTLY.
MODIFY SCALE ACCORDINGLY!

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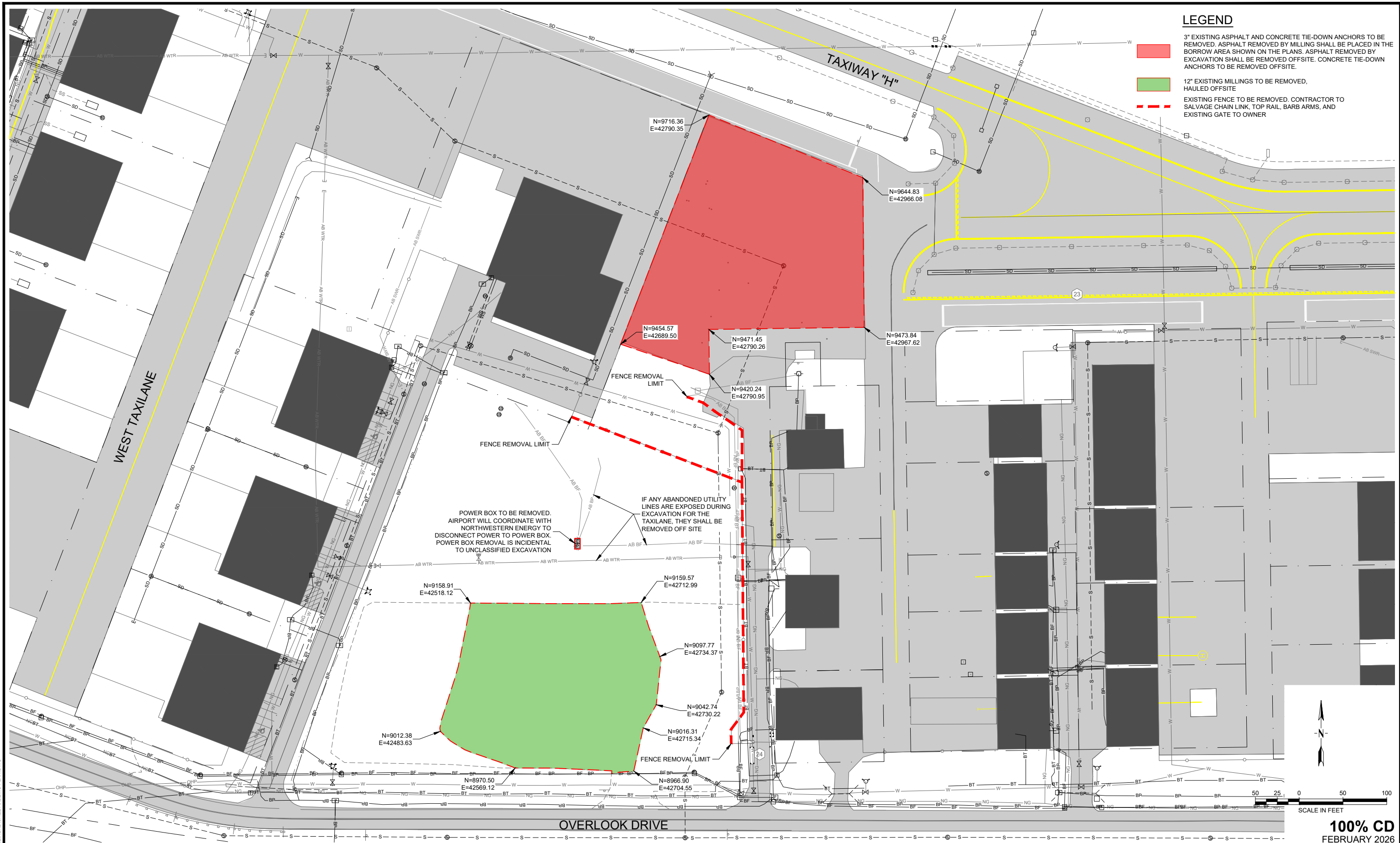


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2026 TAXILANE CONSTRUCTION
AIP 3-30-0008-089-2026
MONTANA
CONSTRUCTION SAFETY AND PHASING DETAIL

PROJECT NUMBER 2447.150.27
SHEET NUMBER 5
DRAWING NUMBER CP-2

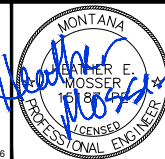
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- LEGEND**
- 3" EXISTING ASPHALT AND CONCRETE TIE-DOWN ANCHORS TO BE REMOVED. ASPHALT REMOVED BY MILLING SHALL BE PLACED IN THE BORROW AREA SHOWN ON THE PLANS. ASPHALT REMOVED BY EXCAVATION SHALL BE REMOVED OFFSITE. CONCRETE TIE-DOWN ANCHORS TO BE REMOVED OFFSITE.
 - 12" EXISTING MILLINGS TO BE REMOVED, HAULED OFFSITE
 - EXISTING FENCE TO BE REMOVED. CONTRACTOR TO SALVAGE CHAIN LINK, TOP RAIL, BARB ARMS, AND EXISTING GATE TO OWNER

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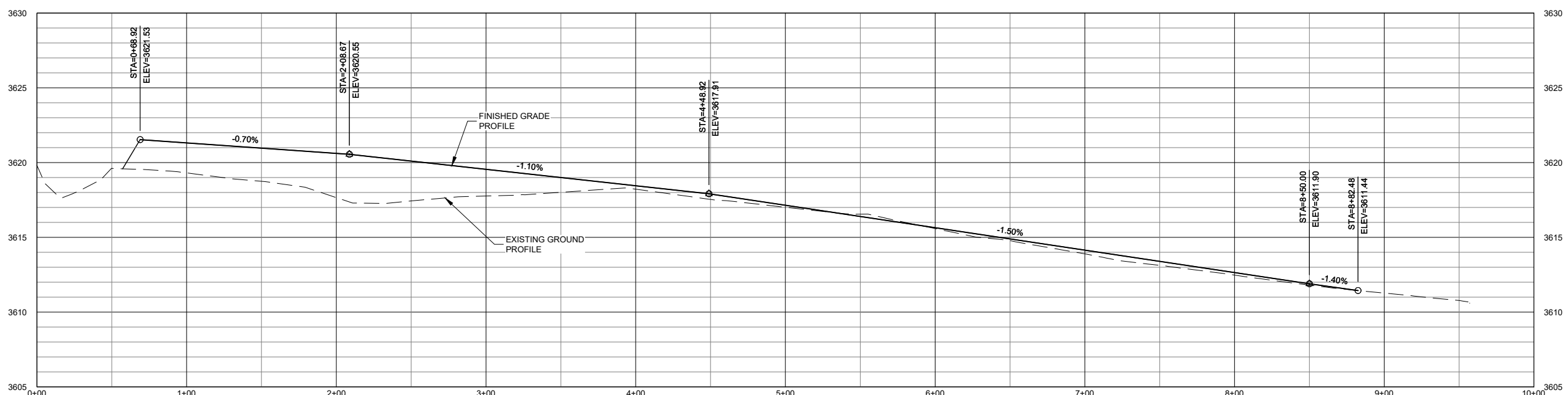
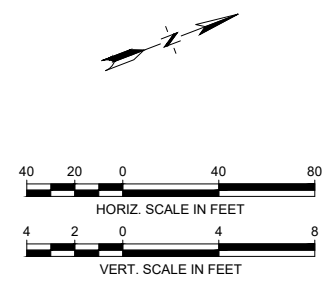
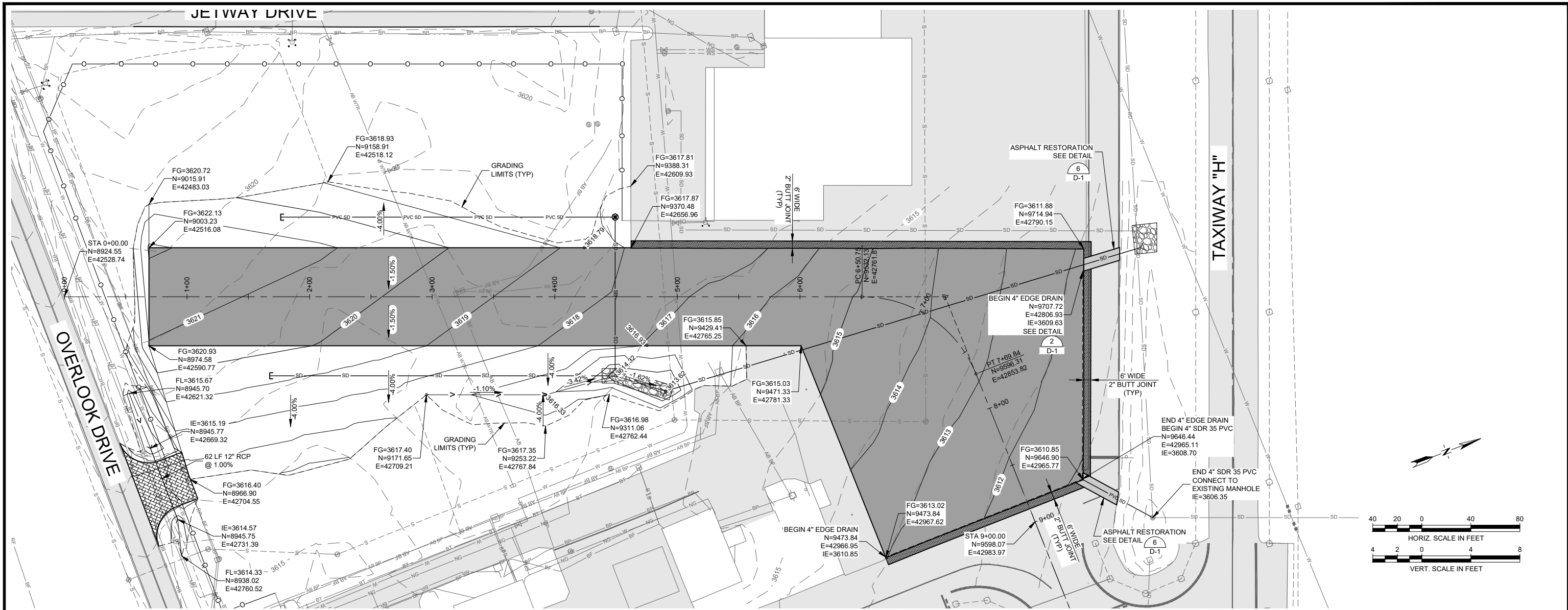


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2026 TAXILANE CONSTRUCTION
AIP 3-30-0008-089-2026
MONTANA
DEMO PLAN

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PROJECT NUMBER 2447.150.27
SHEET NUMBER 6
DRAWING NUMBER C-1

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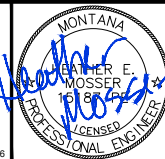
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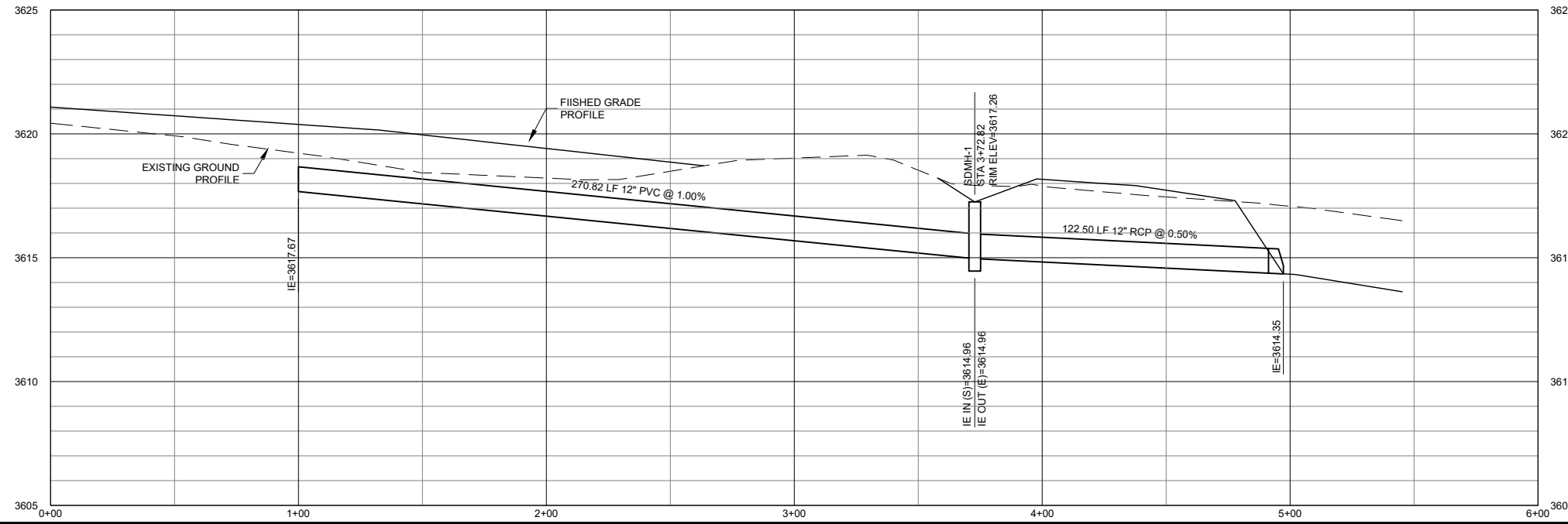
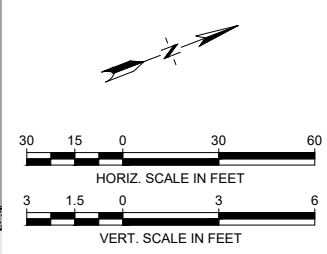
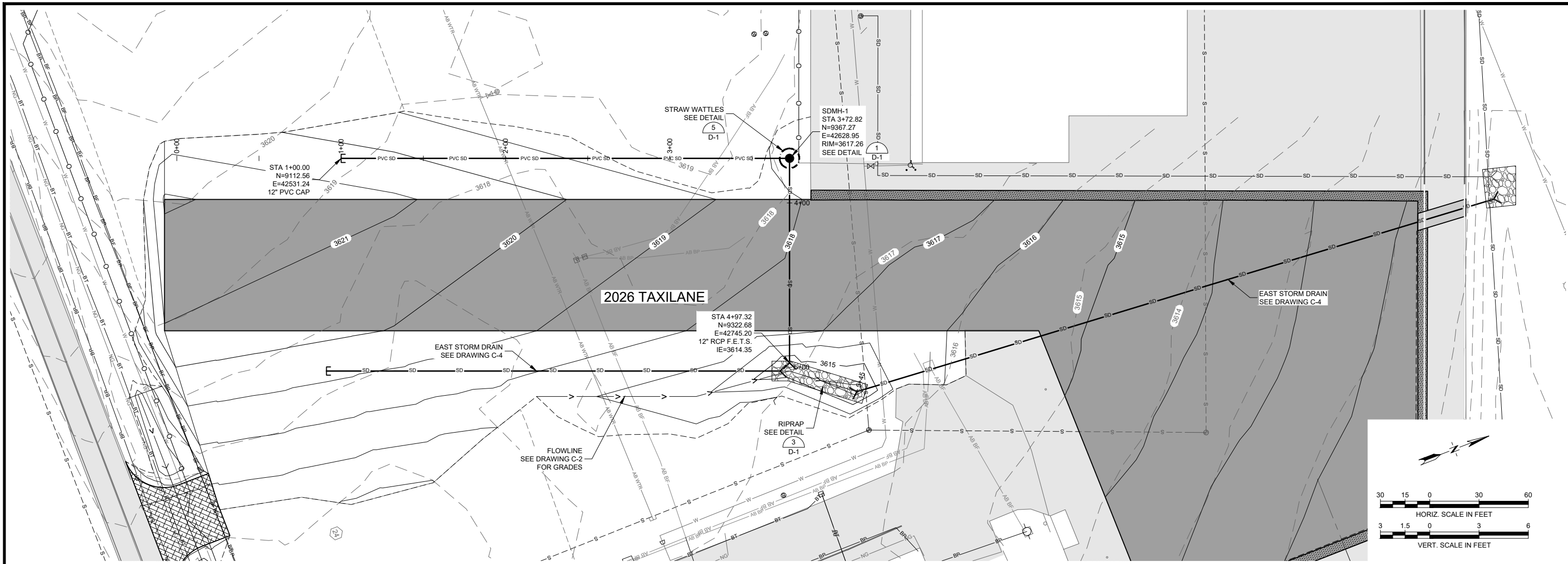


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2026 TAXILANE CONSTRUCTION
AIP 3-30-0008-089-2026
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TAXILANE PLAN AND PROFILE

PROJECT NUMBER 2447.150.27
SHEET NUMBER 7
DRAWING NUMBER C-2

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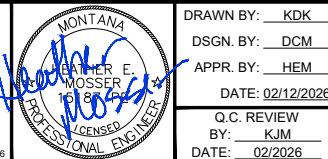


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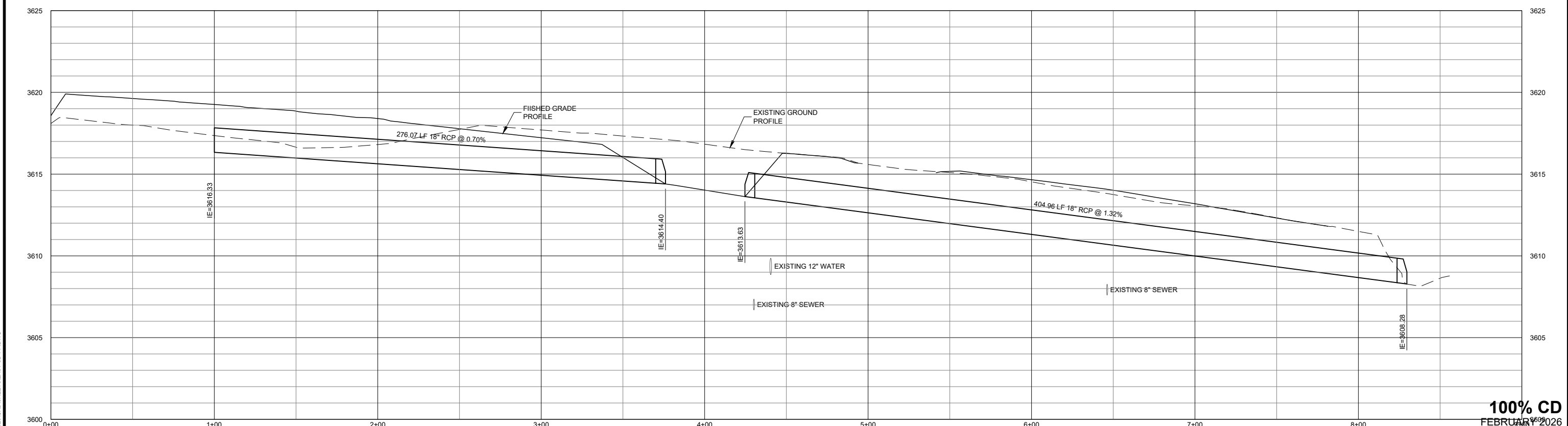
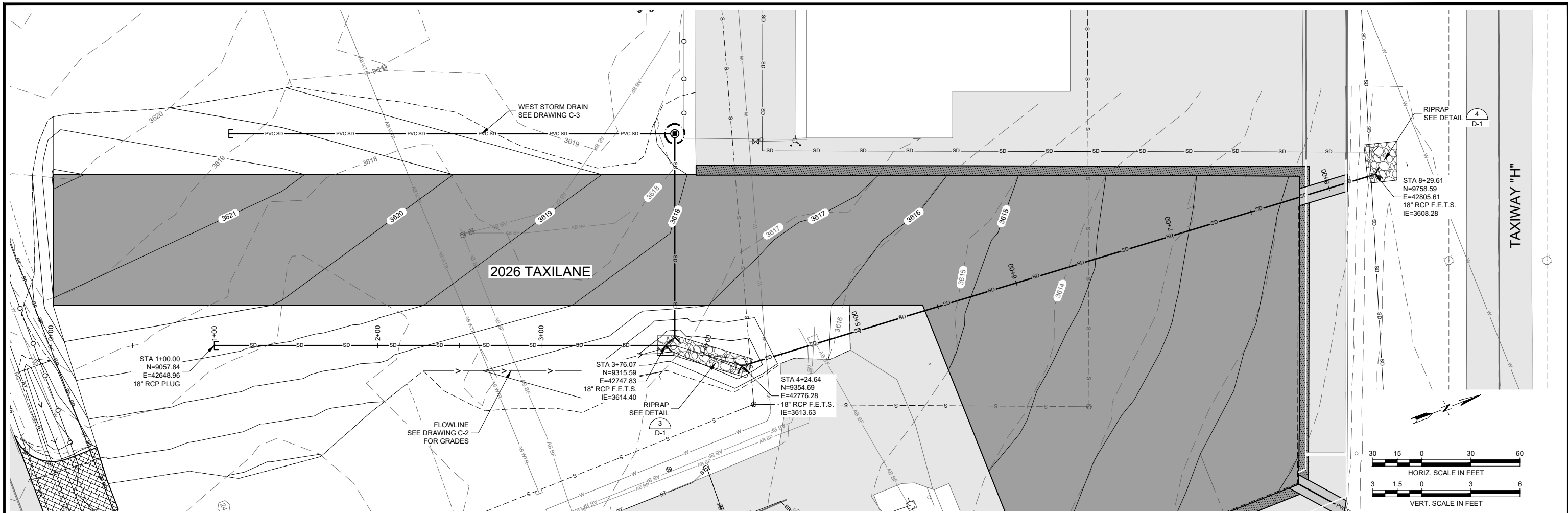
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DRAWN BY: KDK DSGN BY: DCM APPR BY: HEM DATE: 02/12/2026 Q.C. REVIEW BY: KJM DATE: 02/2026	BILLINGS LOGAN INTERNATIONAL AIRPORT 2026 TAXILANE CONSTRUCTION AIP 3-30-0008-089-2026 WEST STORM DRAIN PLAN AND PROFILE	PROJECT NUMBER: 2447.150.27 SHEET NUMBER: 8 DRAWING NUMBER: C-3
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REGISTERED PROFESSIONAL ENGINEER

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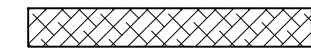
EAST STORM DRAIN PLAN AND PROFILE

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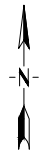
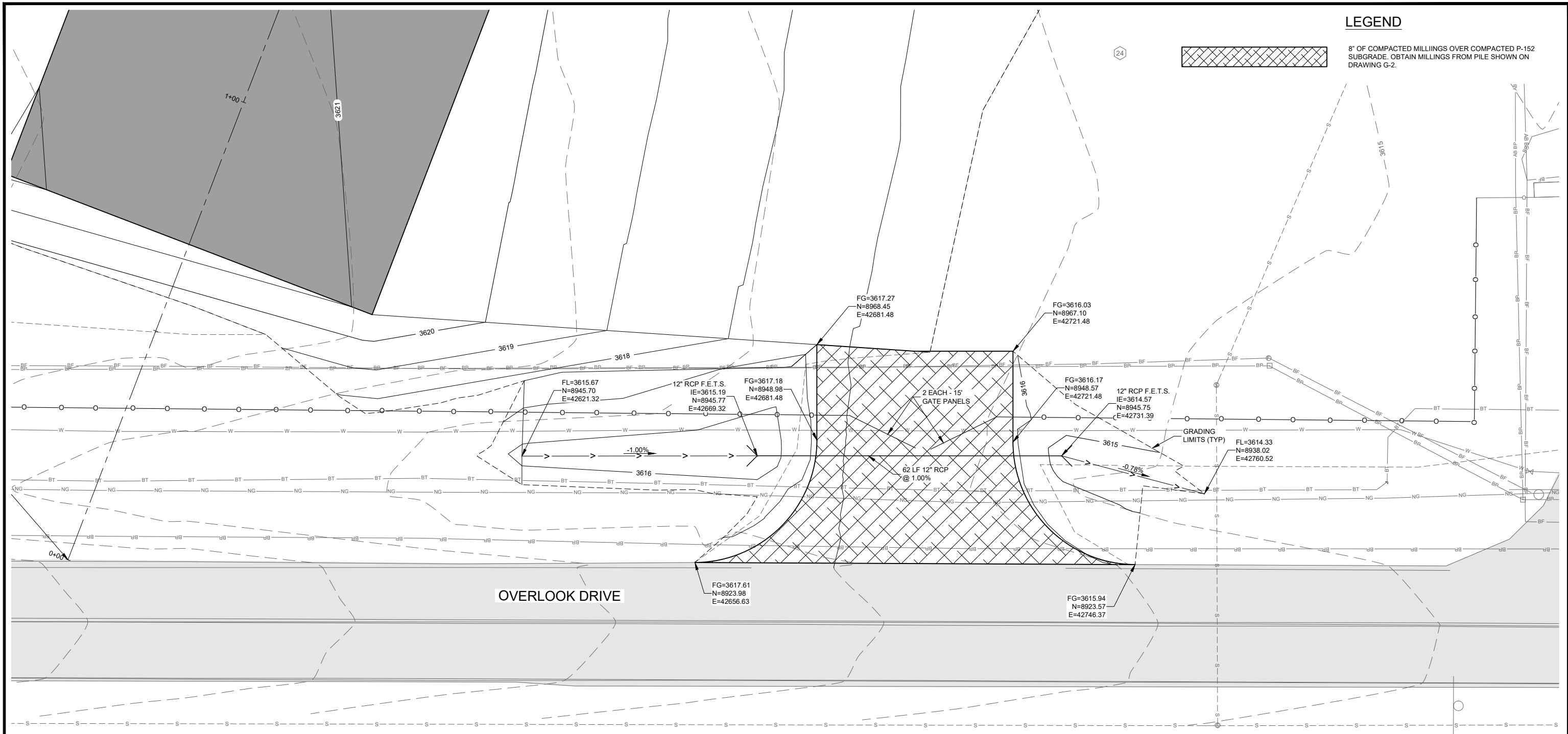
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DRAWING NUMBER: C-4

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LEGEND



8" OF COMPACTED MILLINGS OVER COMPACTED P-152 SUBGRADE. OBTAIN MILLINGS FROM PILE SHOWN ON DRAWING G-2.



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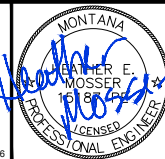
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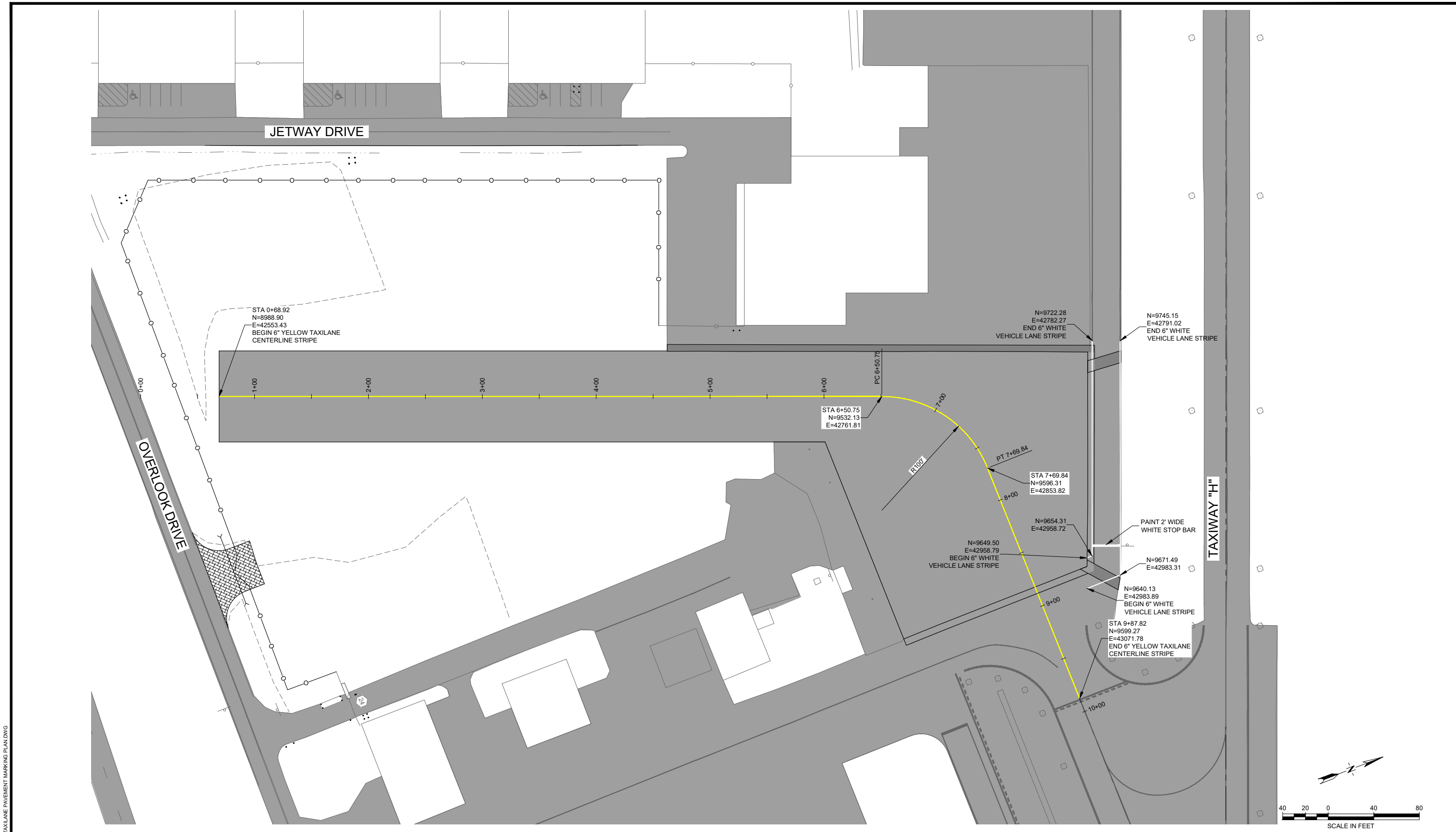
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CONSTRUCTION ACCESS GRADING PLAN

PROJECT NUMBER 2447.150.27
SHEET NUMBER 10
DRAWING NUMBER C-5



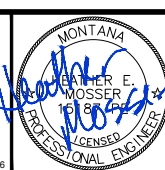
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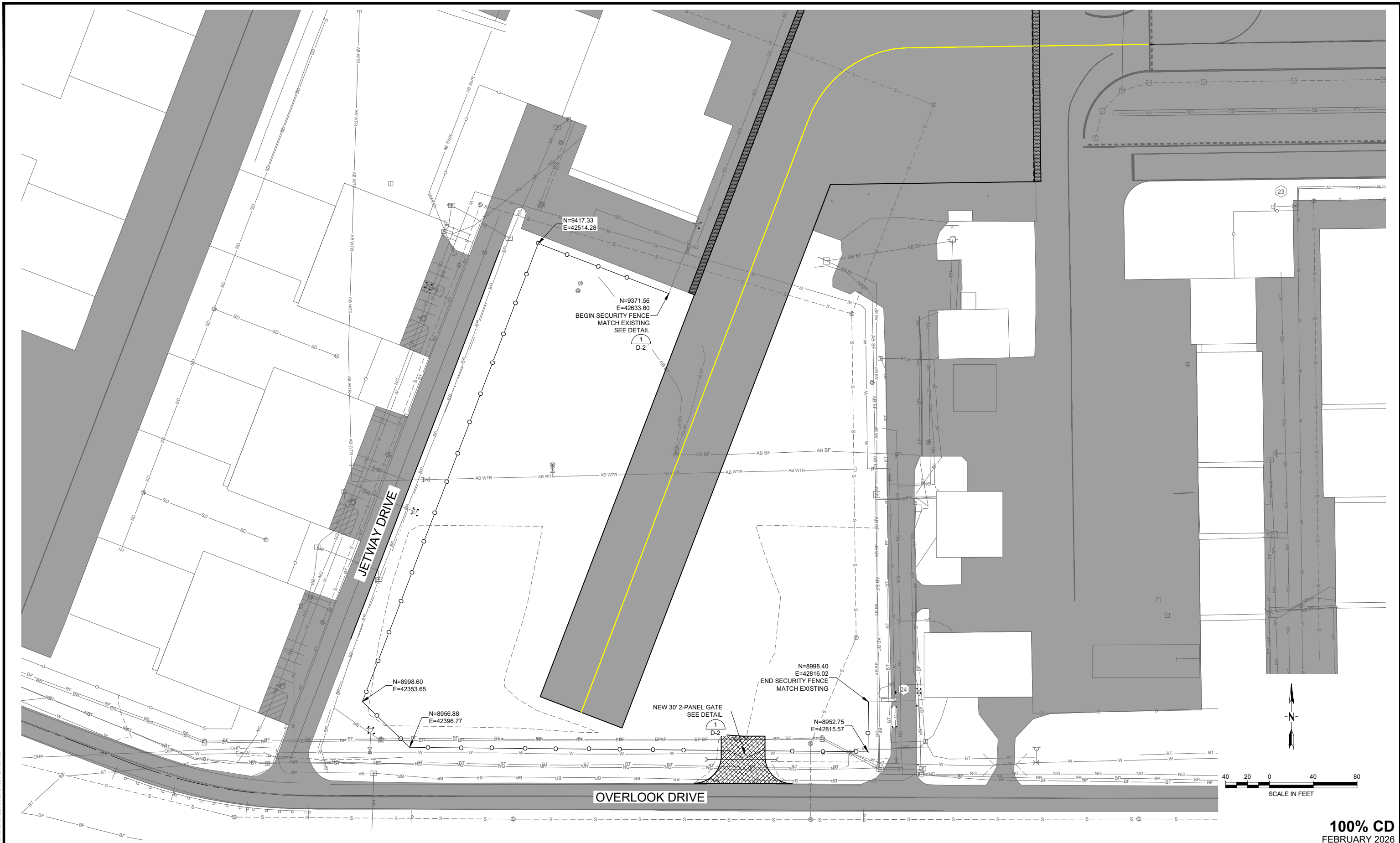


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TAXILANE PAVEMENT MARKING PLAN

PROJECT NUMBER 2447.150.27
SHEET NUMBER 11
DRAWING NUMBER C-4

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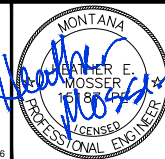


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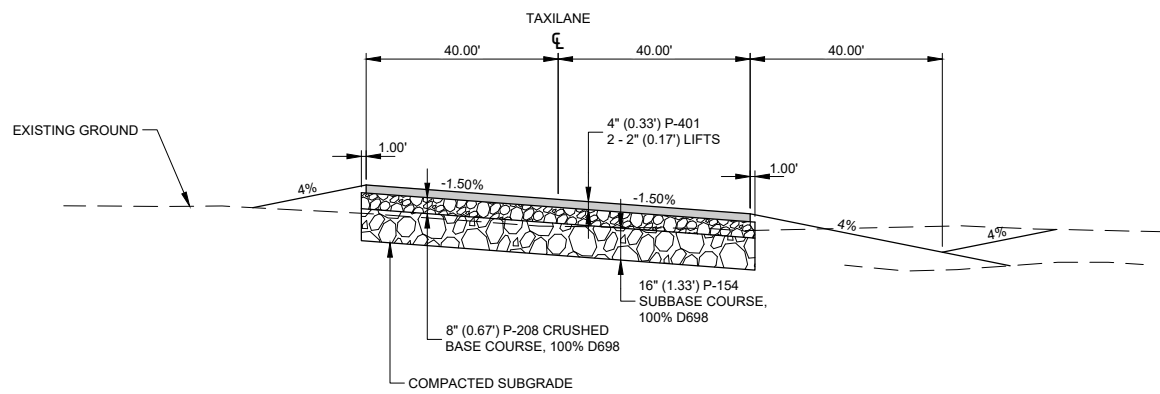


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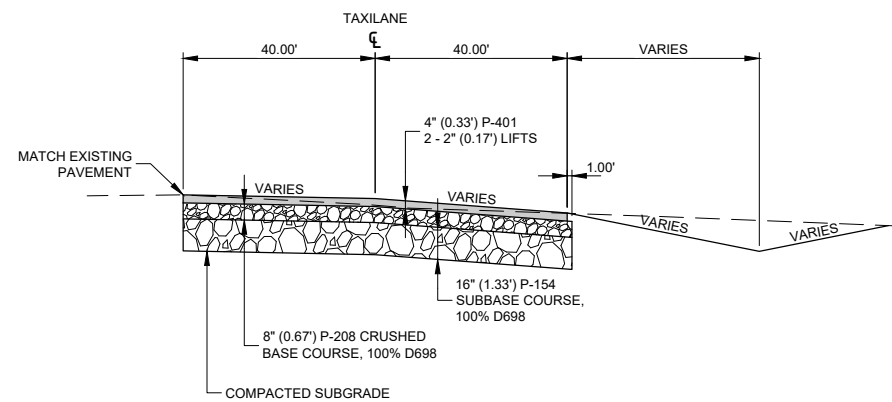
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 2026 TAXILANE CONSTRUCTION
 AIP 3-30-008-089-2026
 MONTANA
 SECURITY FENCE PLAN

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 FEBRUARY 2026
 PROJECT NUMBER
 2447.150.27
 SHEET NUMBER
 12
 DRAWING NUMBER
C-5

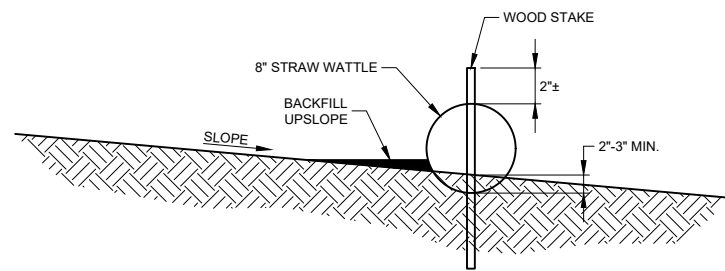
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 PLOTTED BY: KENT KUEHN ON Feb/13/2026



TYPICAL SECTION NO. 1
STA 0+68.92 TO STA 4+62.27

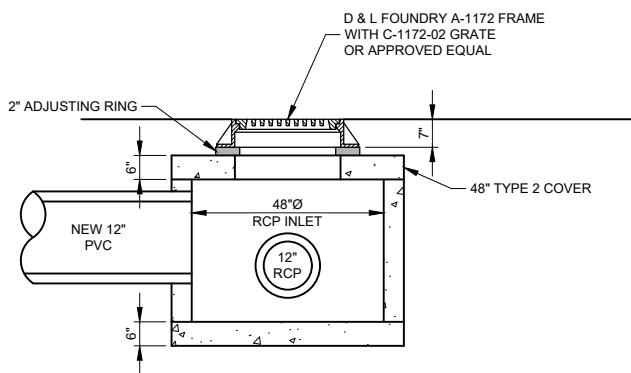


TYPICAL SECTION NO. 2
STA 4+62.27 TO STA 5+56.07

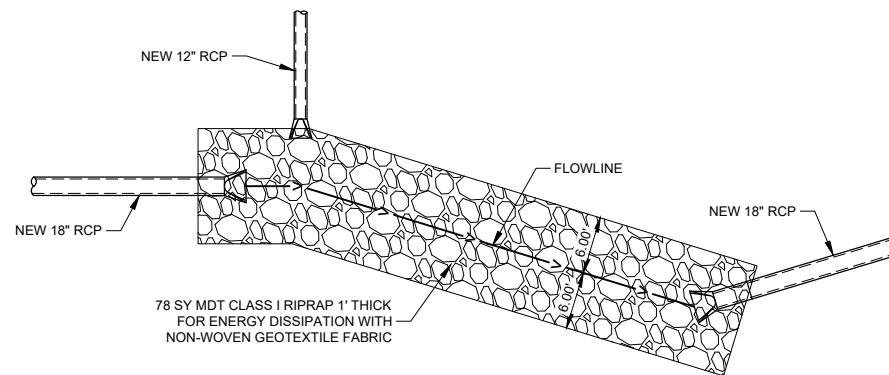


NOTE:
PRIOR TO BEGINNING OF CONSTRUCTION AND AFTER INSTALLATION, CONTRACTOR SHALL PLACE TEMPORARY EROSION CONTROL AT ALL PIPE AND MANHOLE INLETS THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK AREA. CONTRACTOR SHALL BE RESPONSIBLE TO USE BEST MANAGEMENT PRACTICE IN PLACING EROSION CONTROL AS CONSTRUCTION ACTIVITIES DICTATE. CONTRACTOR'S LAYOUT SHALL BE APPROVED BY ENGINEER.

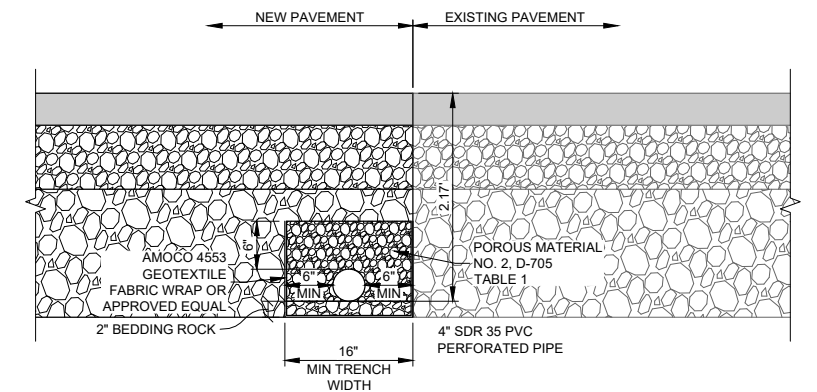
5 STRAW WATTLE DETAIL
C-3 NOT TO SCALE
C-4



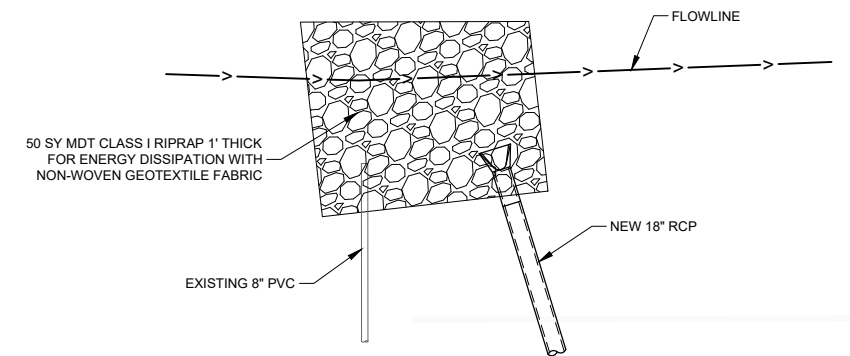
1 48"Ø STORM DRAIN INLET
C-3 NOT TO SCALE



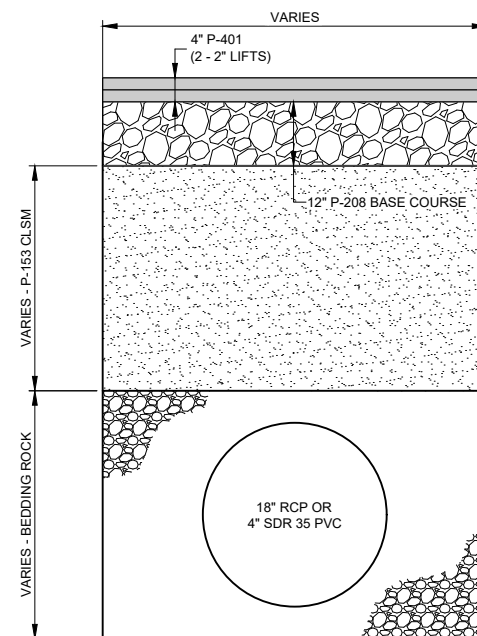
3 RIPRAP AREA 1 DETAIL
C-3 NOT TO SCALE
C-4



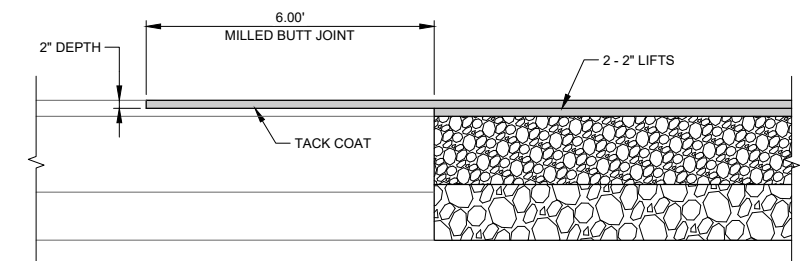
2 EDGE DRAIN DETAIL
C-2 NOT TO SCALE



4 RIPRAP AREA 2 DETAIL
C-4 NOT TO SCALE



6 ASPHALT RESTORATION DETAIL
C-4 NOT TO SCALE

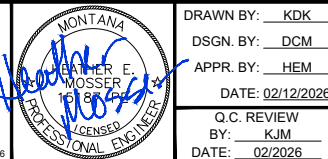


7 BUTT JOINT DETAIL
C-2 NOT TO SCALE

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VERIFY SCALE!
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LINE BELOW MEASURES ONE INCH
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MODIFY SCALE ACCORDINGLY!

REVISIONS			
NO.	DESCRIPTION	BY	DATE



DRAWN BY: KDK
DSGN. BY: DCM
APPR. BY: HEM
DATE: 02/12/2026
Q.C. REVIEW BY: KJM
DATE: 02/2026

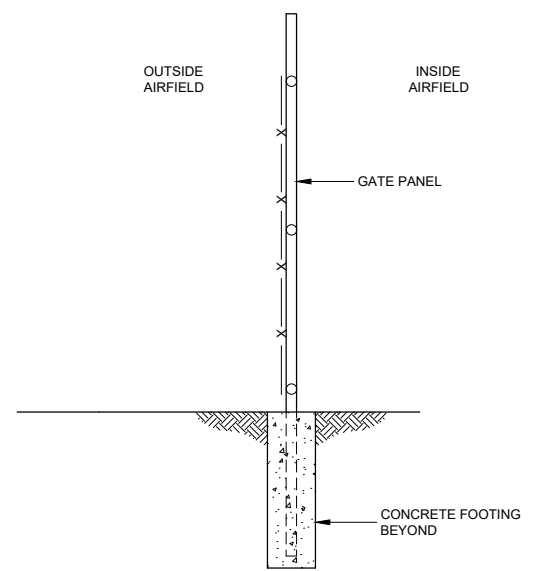
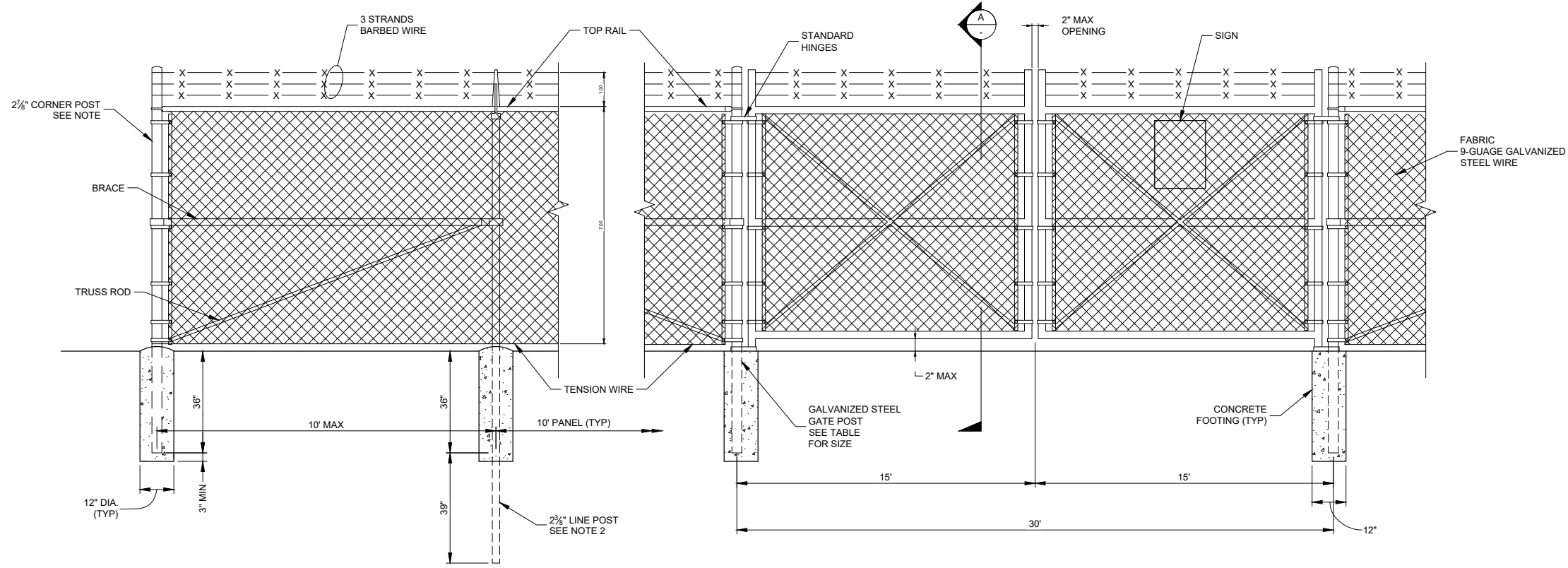
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2026 TAXILANE CONSTRUCTION
AIP 3-30-0008-089-2026

BILLINGS MONTANA

DETAILS

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FEBRUARY 2026

PROJECT NUMBER 2447.150.27
SHEET NUMBER 13
DRAWING NUMBER D-1



SECTION A-A

GATE FABRIC TO MATCH FENCE. GATE FRAMES TO BE WELDED. BRACES FURNISHED WHERE NEEDED.

- NOTES:
1. PROVIDE DOUBLE PANELS AT ALL CORNERS AND AT 300' MAXIMUM INTERVALS ON TANGENT. (TO BE USED FOR PULLING) DOUBLE PANELS SHALL BE PLACED AT END OF CURVES SHARPER THAN 5', AND BE EVENLY SPACED BETWEEN AT ±20° CENTRAL ANGLE, 10' DEFLECTION ANGLE NOT TO EXCEED 250' CURVE.
 2. AT INTERVALS NOT TO EXCEED 500', ONE POST WILL BE EXTENDED 3' INTO THE GROUND FOR LIGHTNING PROTECTION.
 3. THE BOTTOM OF THE FENCE SHALL BE PLACED A UNIFORM DISTANCE ABOVE THE GROUND. THE MAXIMUM DISTANCE BETWEEN THE BOTTOM OF THE FENCE AND THE GROUND SHALL BE 2 INCHES.

GATE POST TABLE	
GATE LEAF WIDTH	POST SIZE
UP TO 6'	SPR - 2 1/8"
UP TO 13'	SP5 - 4"
UP TO 18'	SP6 - 6"
UP TO 23'	SP7 - 8"

1 CHAIN LINK FENCE AND GATE DETAIL
C-5 NOT TO SCALE

P:\2447-BL\150-27-2026 TAXILANE\ACAD\SHETS\DETAILS.DWG

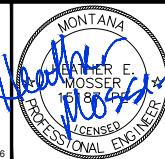
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REVISIONS			
NO.	DESCRIPTION	BY	DATE



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DRAWN BY: KDK
DSGN BY: DCM
APPR BY: HEM
DATE: 02/12/2026
Q.C. REVIEW BY: KJM
DATE: 02/2026

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2026 TAXILANE CONSTRUCTION
AIP 3-30-0008-089-2026
MONTANA
FENCE DETAILS

PROJECT NUMBER 2447.150.27
SHEET NUMBER 14
DRAWING NUMBER D-2