

SH-33 MULTI-MODAL PATHWAY

PROJECT #A023(894) KEY NO. 23894

TETON COUNTY, IDAHO

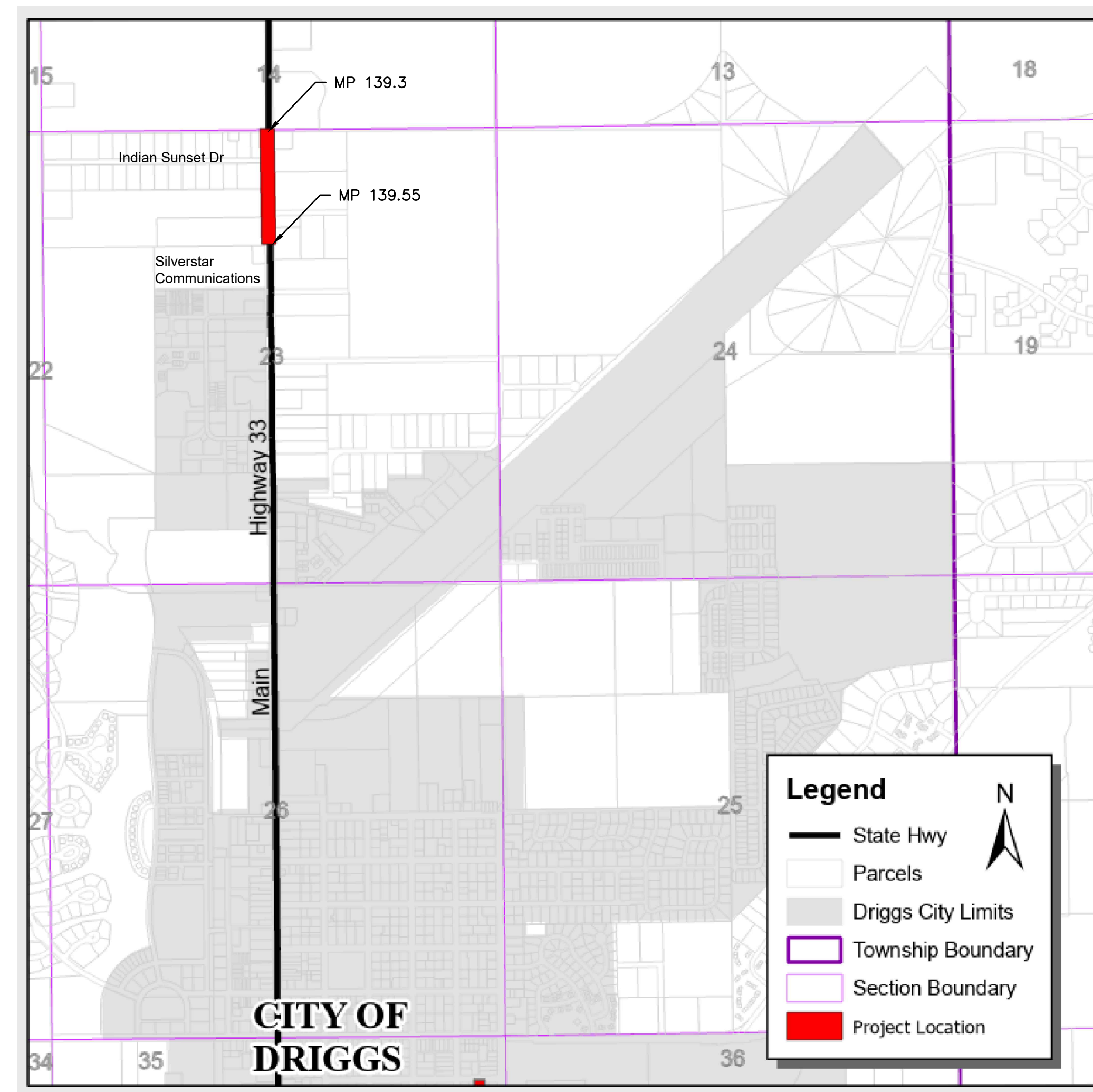
FINAL CONSTRUCTION DRAWINGS

FEBRUARY 12, 2024

DATE: 2/12/2024	REVISIONS:

CIVIL ENGINEER / SURVEYOR
HARMONY DESIGN & ENGINEERING
 18 N MAIN STE 305
 DRIGGS, ID 83422
 208-354-1331

CLIENT
TETON COUNTY, IDAHO
 150 COURTHOUSE DRIVE
 DRIGGS, ID 83422
 208-354-2905



VICINITY MAP
 NOT TO SCALE

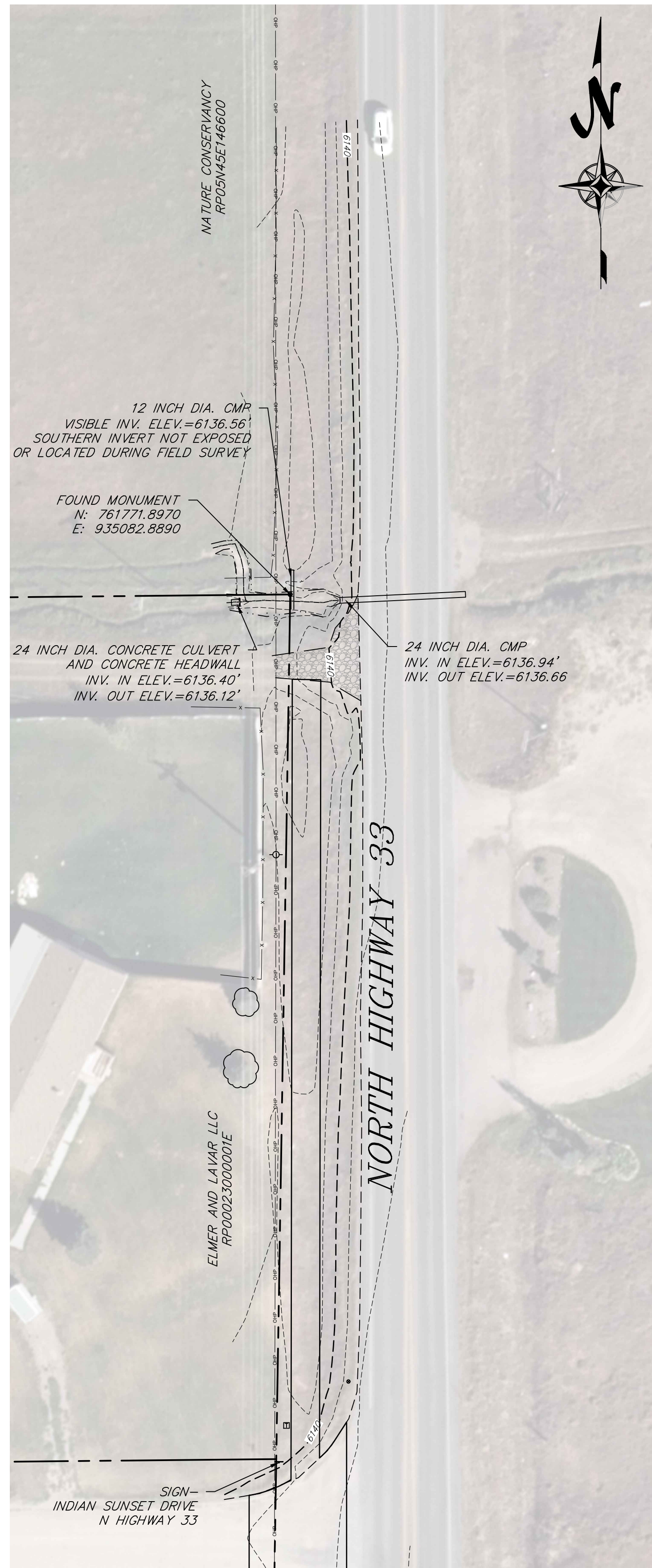
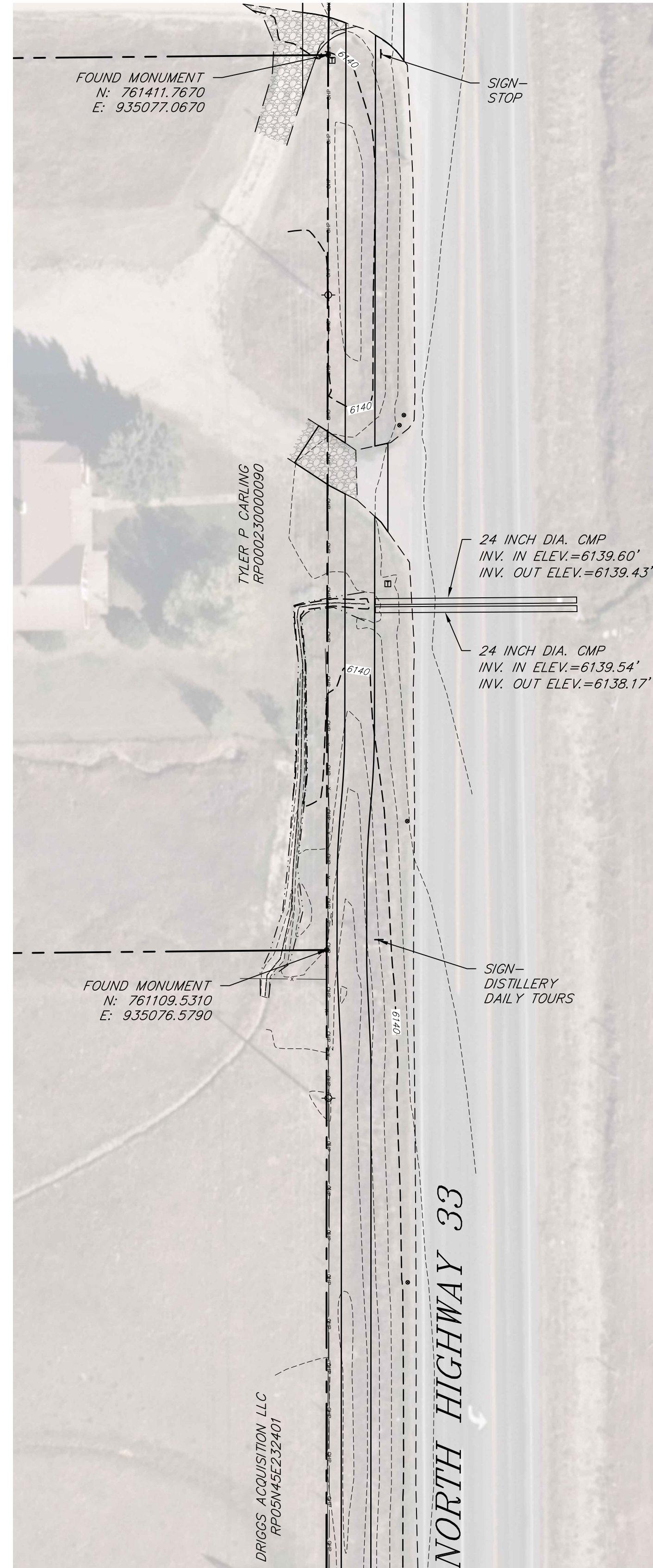
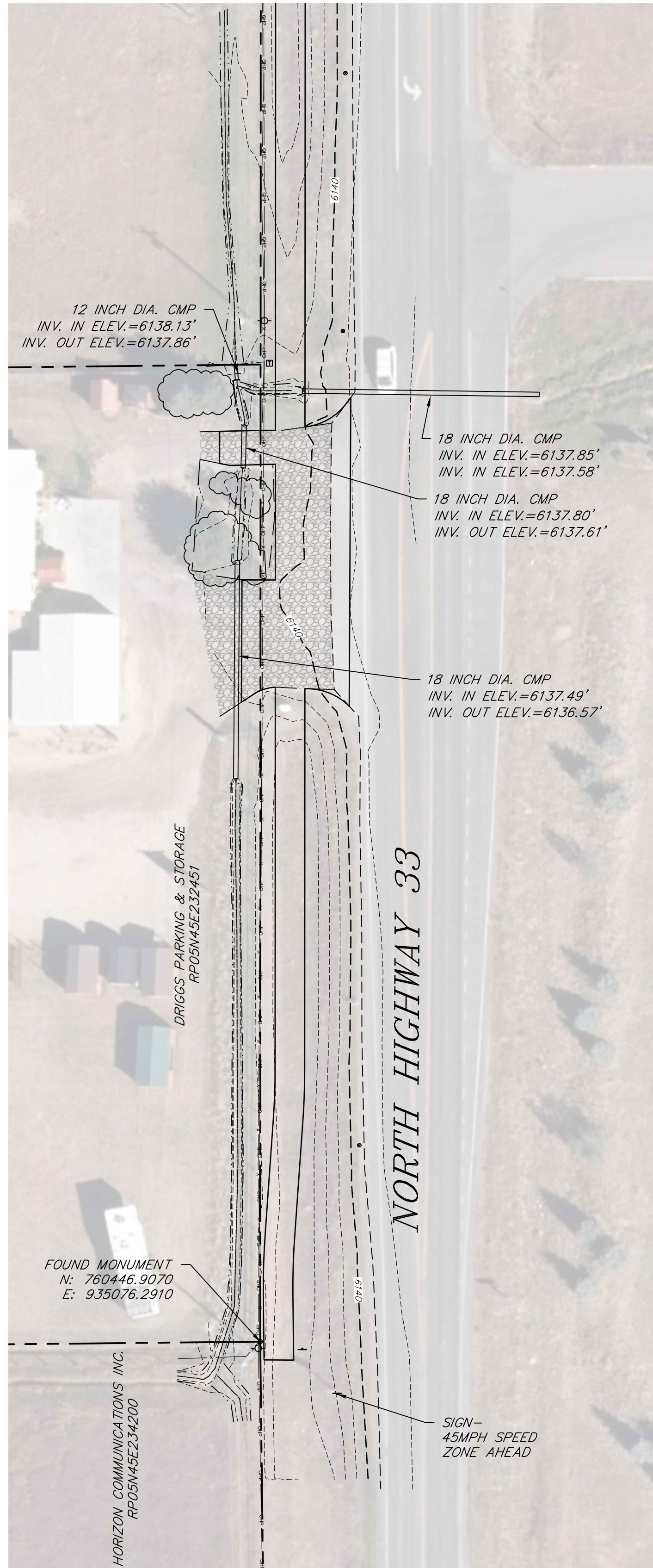
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- C0.1 EXISTING CONDITIONS SURVEY
- C1.1 PATHWAY OVERALL PLAN
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- C4.1 PATHWAY CROSS-SECTIONS STATION 0+00 TO 4+25
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- C8.1 STANDARD DETAILS AND NOTES
- C8.2 STANDARD DETAILS
- C8.3 STANDARD DETAILS

CALL BEFORE YOU DIG
 ONE CALL CENTER OF IDAHO
1-800-342-1585
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES.

PROJECT NAME
SH-33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO
 COVER SHEET

SHEET #
C0.0



LEGEND

- INDICATES A FOUND MONUMENT
- LOT LINE
- ADJOINING BOUNDARY
- - - - - TOP OF DITCH
- - - - - FLOW LINE OF DITCH
- ~ ~ ~ ~ ~ DRIP LINE OF TREES
- O P P — OVERHEAD POWER LINE
- x x x x x FENCE LINE
- ▨ GRAVEL
- ▩ ASPHALT
- - - - - INDEX CONTOUR(5')
- - - - - INTERMEDIATE CONTOUR(1')

NOTES

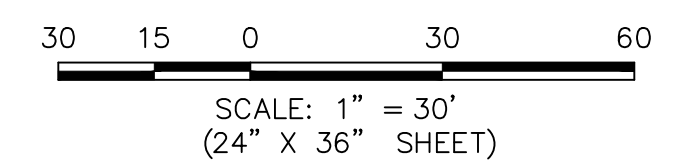
NO UNDERGROUND UTILITIES OR SUBSURFACE IMPROVEMENTS WERE MAPPED AS PART OF THIS SURVEY EXCEPT WHERE SPECIFICALLY INDICATED.

NO WETLAND MAPPING WAS DONE AS PART OF THIS SURVEY.

ELEVATIONS AS SHOWN HEREON HAVE BEEN MEASURED USING US SURVEY FEET AND ARE BASED ON A GPS MEASUREMENT TO THE MAG NAIL LOCATED IN THE PARKING LOT OF THE CHURCH OF THE LATER DAY SAINTS AT THE CORNER OF EAST ASHLEY AVENUE AND NORTH SECOND STREET, UTILIZED PER DRIGGS LOCALIZED PROJECTION (GPS DERIVED, NAVD88, GEIOD 12B) (BASE ELEVATION = 6128.30').

ADJOINING LOT BOUNDARY LINES SHOWN HEREON ARE APPROXIMATE AND WERE TAKEN FROM TETON COUNTY IDAHO GIS FOR REPRESENTATION PURPOSES ONLY. NO ACTUAL BOUNDARY SURVEY WAS PERFORMED AS PART OF THE TOPOGRAPHIC SURVEY.

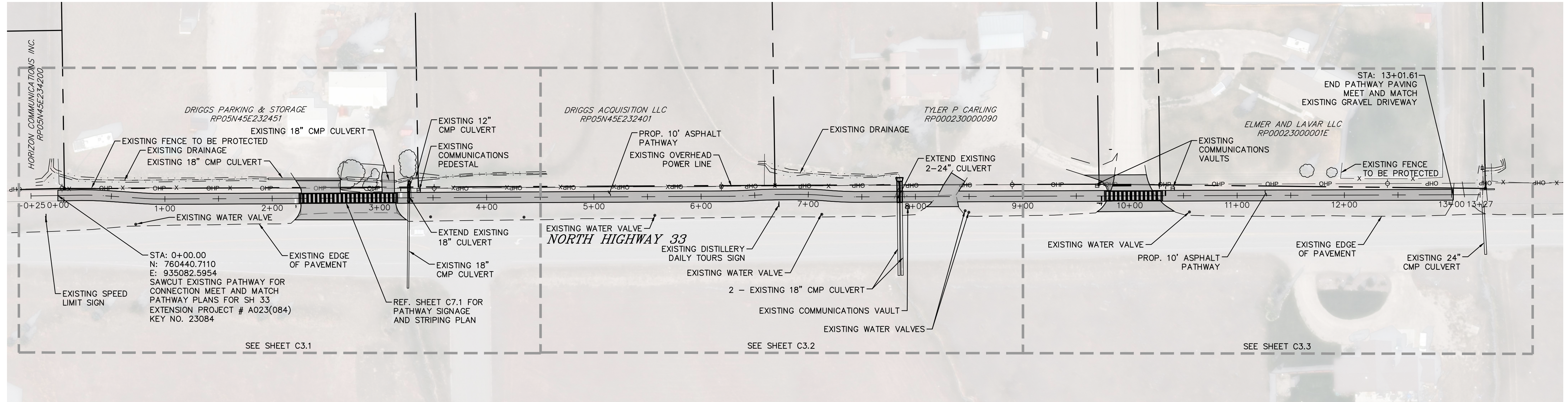
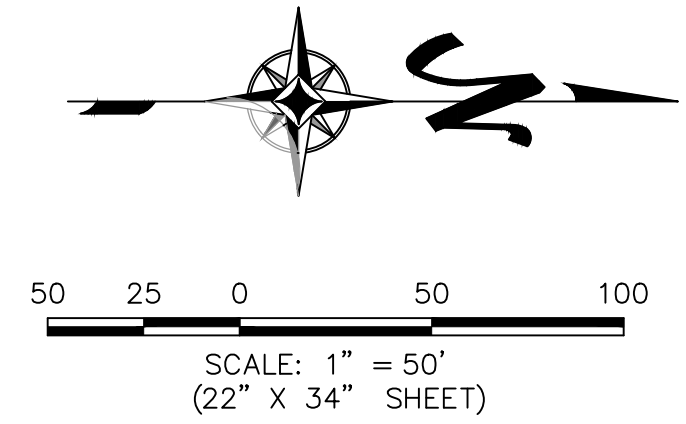
TOPOGRAPHIC FEATURES REPRESENTED ON THIS MAP SHOW CONDITIONS DETERMINED BY A FIELD SURVEY MADE SEPTEMBER 11TH AND 12TH 2023. EASEMENTS OF SIGHT AND RECORD NOT SHOWN HEREON MAY EXIST.



Preliminary
Not for Construction

DATE:	REVISIONS:
10/19/2023	
	1
	2
	3

PROJECT NAME
SH 33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO
EXISTING CONDITIONS SURVEY



DRAWING IS TO SCALE IF
 BAR MEASURES:
 1" = FULL SCALE
 1/2" = HALF SCALE
 FILE: 23108_SITE.dwg
 PROJ. #: 23108

Preliminary
 Not for Construction

DATE: 2/14/2024	REVISIONS:
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NOTES

1. THIS DRAWING IS BASED ON THE "TOPOGRAPHIC SURVEY - 23108_21204_BASE" DATED 19 OCTOBER 2023 BY HARMONY DESIGN AND ENGINEERING. DATUM IS NAVD88. SEE ORIGINAL SURVEY FOR ADDITIONAL EXISTING CONDITIONS INFORMATION.
2. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTORS SHALL NOTIFY THE UTILITY COMPANIES IN ADVANCE OF THEIR CONSTRUCTION OPERATION TO ENABLE THEM TO FIELD LOCATE THEIR UTILITIES.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND REPORT FINDINGS TO THE OWNER PRIOR TO PROCEEDING WITH RELATED CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SATISFY THEM THAT ALL EXISTING UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, HAVE BEEN PROPERLY LOCATED. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AFFECTED BY THE PROSECUTION OF THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE AFFECTED UTILITY COMPANY AND THE COORDINATION OF ALL WORK IN THE PROXIMITY OF THE UTILITIES.
4. CONTRACTOR TO LOCATE AND INVENTORY ALL MONUMENTS PRIOR TO CONSTRUCTION.
5. ALL MONUMENTS, ACCESSORIES TO CORNERS, BENCHMARKS, AND POINTS SET IN CONTROL SURVEYS THAT ARE LOST OR DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RE-ESTABLISHED AND RE-MONUMENTED, AT THE EXPENSE OF THE CONTRACTOR, AT THEIR ORIGINAL LOCATION OR BY THE SETTING OF A WITNESS CORNER OR REFERENCE POINT OR A REPLACEMENT BENCHMARK OR CONTROL POINT, BY OR UNDER THE DIRECTION OF A PROFESSIONAL LAND SURVEYOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL EXISTING ROAD AND DRIVEWAY SURFACES AND RELATED STRUCTURES TO ORIGINAL CONDITIONS (OR BETTER) AND GRADES, UNLESS DESIGNATED OTHERWISE ON THE DRAWINGS. THE OWNER OR OWNER'S REPRESENTATIVE AND THE CONTRACTOR SHALL TOGETHER COORDINATE THE DOCUMENTATION OF EXISTING GRADES AND OTHER INFORMATION PRIOR TO ALL CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL CONTACT "IDAHO DIG LINE" (PHONE 1-800-342-1585) FOR THE MARKING OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES SHOWN AND OTHER UTILITY LINES OTHERWISE LOCATED.
8. THE OWNER-DEVELOPER SHALL PROVIDE THE CONTRACTOR WITH A COMPLETE AND UPDATED SET OF ENGINEERING CONSTRUCTION DRAWINGS. THESE DRAWINGS, AND ANY REQUIRED PERMITS, SHALL BE AT THE PROJECT SITE AT ALL TIMES. IF NO PLANS APPEAR ON THE PROJECT SITE, CONSTRUCTION ACTIVITIES MAY BE HALTED AT THE DISCRETION OF THE OWNER.
9. BEFORE WORK BEGINS, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND MUST NOTIFY THE REQUIRED PARTIES AT LEAST 24 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE TEMPORARY ERECTION OF BRACING AND SHORING AS REQUIRED FOR STABILITY OF STRUCTURES AND EXCAVATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
11. THE CONTRACTOR SHALL FURNISH ALL TEMPORARY WATER, POWER, OR OTHER UTILITIES AS REQUIRED TO COMPLETE CONSTRUCTION OF THE PROJECT.
12. ALL SURPLUS MATERIAL, TOOLS, AND TEMPORARY STRUCTURES, FURNISHED BY THE CONTRACTOR, SHALL BE REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR. ALL DEBRIS AND RUBBISH CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION.
13. ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE DONE IN A WAY SO AS TO MINIMIZE DISRUPTION IN SERVICE TO EXISTING USERS.
14. ALL SUB-GRADE AND TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY, AS DETERMINED BY ASTM D698. ALL EXISTING VEGETATION AND TOPSOIL MUST BE STRIPPED PRIOR TO SUB-GRADE SCARIFICATION AND RECOMPACTION.
15. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.

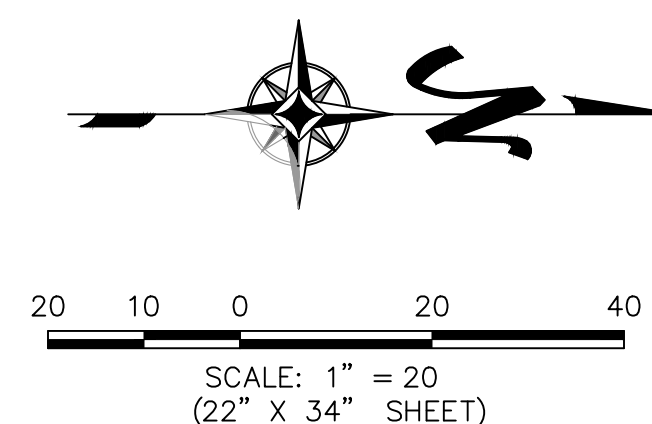
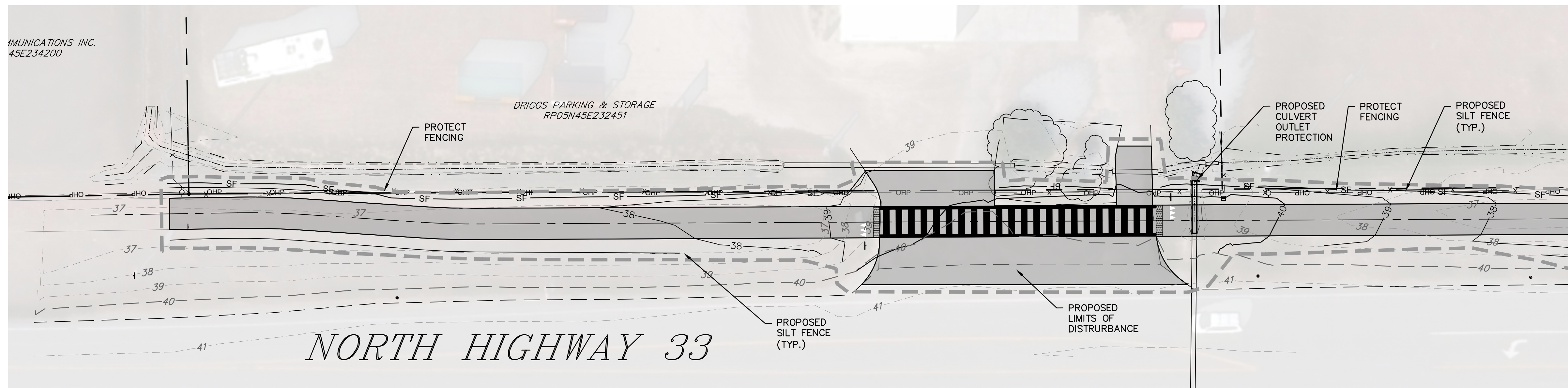
LEGEND

- PROPERTY LINE
- EXISTING DRAINAGE FLOWLINE
- EXISTING OVERHEAD POWER LINE
- EXISTING FENCE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED GRAVEL DRIVEWAY PAVEMENT

PROJECT NAME
SH-33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO
PATHWAY OVERALL PLAN

SHEET #
C1.1

COMMUNICATIONS INC.
45E234200



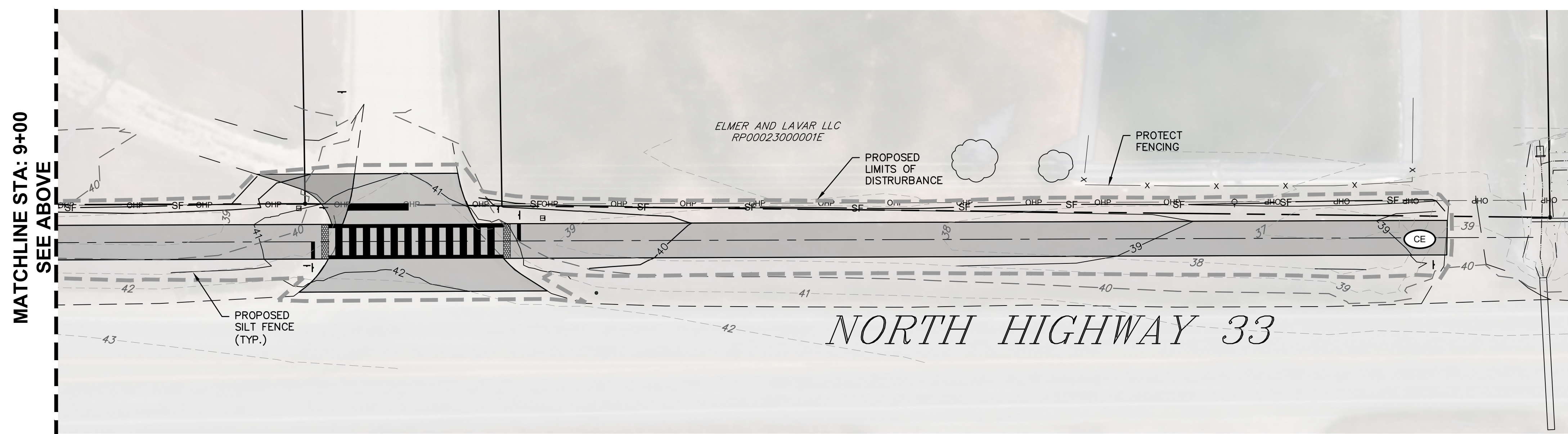
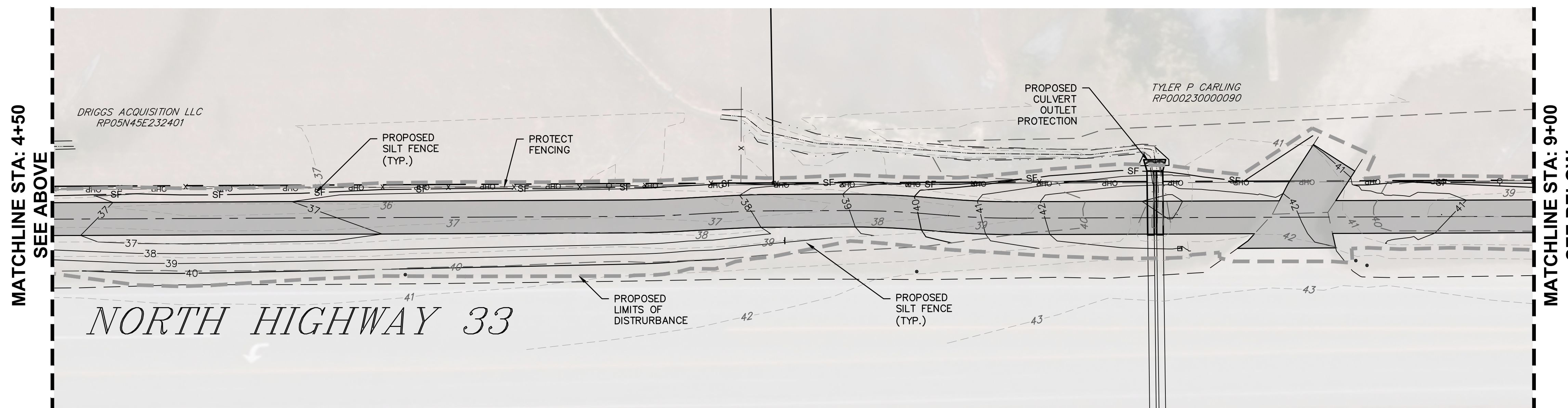
HARMONY
DESIGN & ENGINEERING
18 N MAIN STE 305 • DRIGGS ID 83422
208.354.1331 • www.harmonydesigninc.com

DRAWING IS TO SCALE IF
BAR MEASURES:
1" = FULL SCALE
1/2" = HALF SCALE

FILE : 23108_EC.dwg
PROJ. # : 23108

Preliminary
Not for Construction

DATE: 2/12/2024	REVISIONS:



QUANTITIES

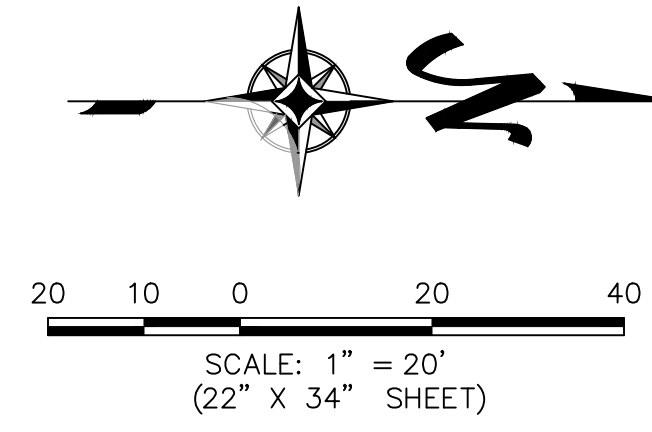
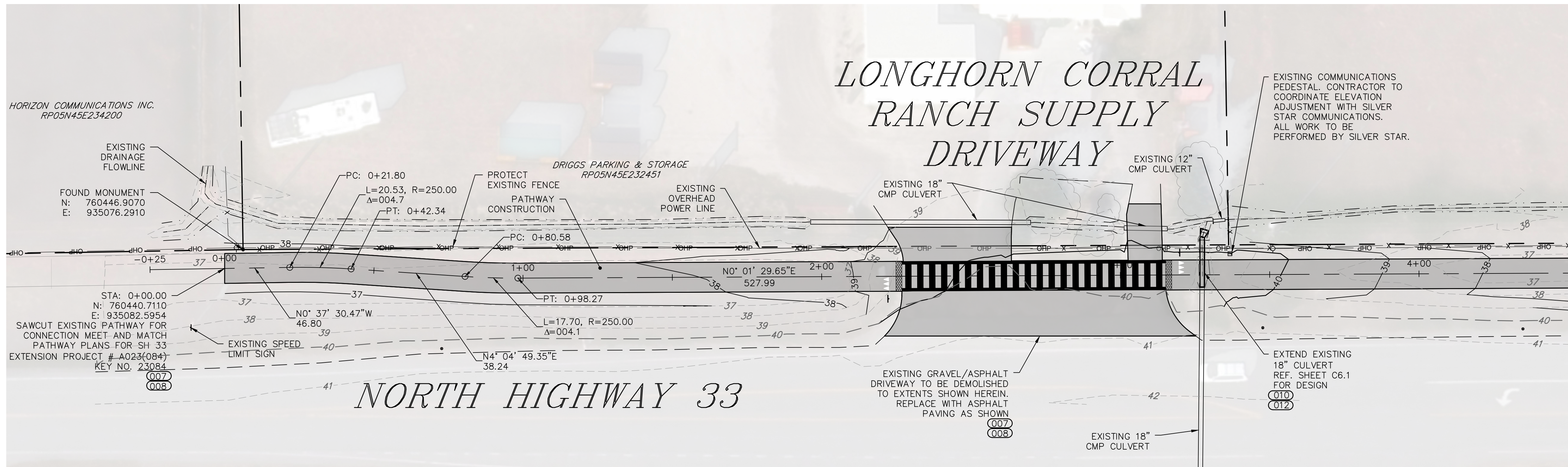
024 TOPSOIL, SEEDING, MECHANICAL SEEDING,
GRASS SEED 4.5 LBS PER MSF
STA: 00+00.00 - 13+01.61, 16.85 M.S.F.

LEGEND

- EXISTING PROPERTY LINE
- 30--- EXISTING CONTOUR (MAJOR) (ADD 6100)
- 31--- EXISTING CONTOUR (MINOR) (ADD 6100)
- 30--- PROPOSED CONTOUR (MAJOR) (ADD 6100)
- 31--- PROPOSED CONTOUR (MINOR) (ADD 6100)
- ▬ PROPOSED ASPHALT PAVING
- (CE) CONSTRUCTION ENTRANCE
- SF- SILT FENCE
- - - LIMITS OF DISTURBANCE
- () CULVERT INLET PROTECTION

PROJECT NAME
**SH-33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO**
PATHWAY EROSION CONTROL PLAN

SHEET #
C2.1



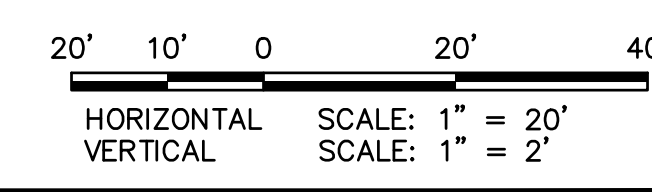
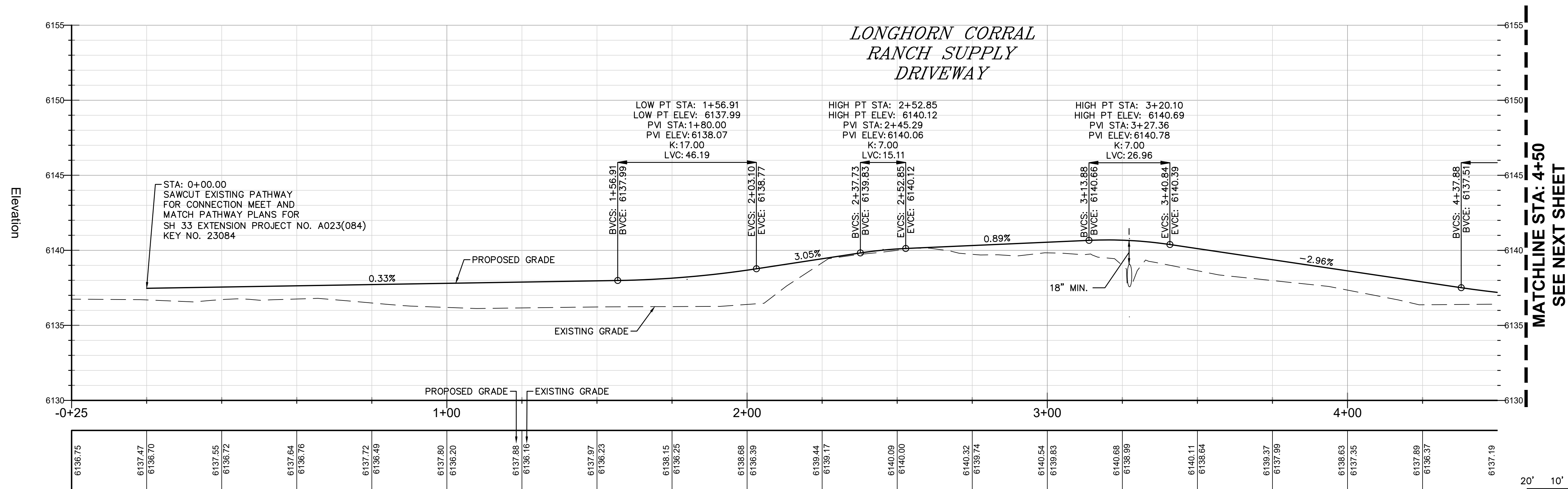
DATE: 2/12/2024	REVISIONS:

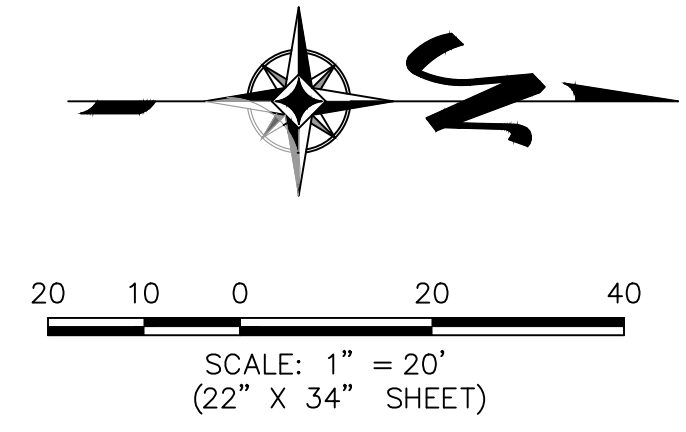
QUANTITIES

- | | |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 006 CLEARING AND GRUBBING, STRIP & STOCKPILE SOIL FOR REUSE
STA: 00+00.00 - 04+50.00, 0.168 AC | 010 18" CULVERT PIPE
STA: 03+27.52, 19.50 LF |
| 007 SAWCUT PAVING
STA: 00+00.00, 10 LF
STA: 02+20.94 - 03+25.20, 158 LF | 012 18" STEEL APRON FOR ROUND METAL PIPE
STA: 03+27.52, 1 EA. |
| 008 PAVEMENT REMOVAL
STA: 00+00.00 - 00+06.26, 7 SY
STA: 02+20.94 - 03+25.20, 329 SY | 014 GRANULAR SUBBASE
STA: 00+00.00 - 04+50.00, 188 CY |
| 009 EXCAVATION AND EMBANKMENT, GRAVEL, BANK RUN, COMPACTED
STA: 00+00.00 - 04+50.00, 87 CY | 015 AGGREGATE BASE
STA: 00+00.00 - 04+50.00, 104 CY |
| | 016 SUPERPAVE HOT MIX ASPHALT PAVEMENT
STA: 00+00.00 - 04+50.00, 140 TONS |

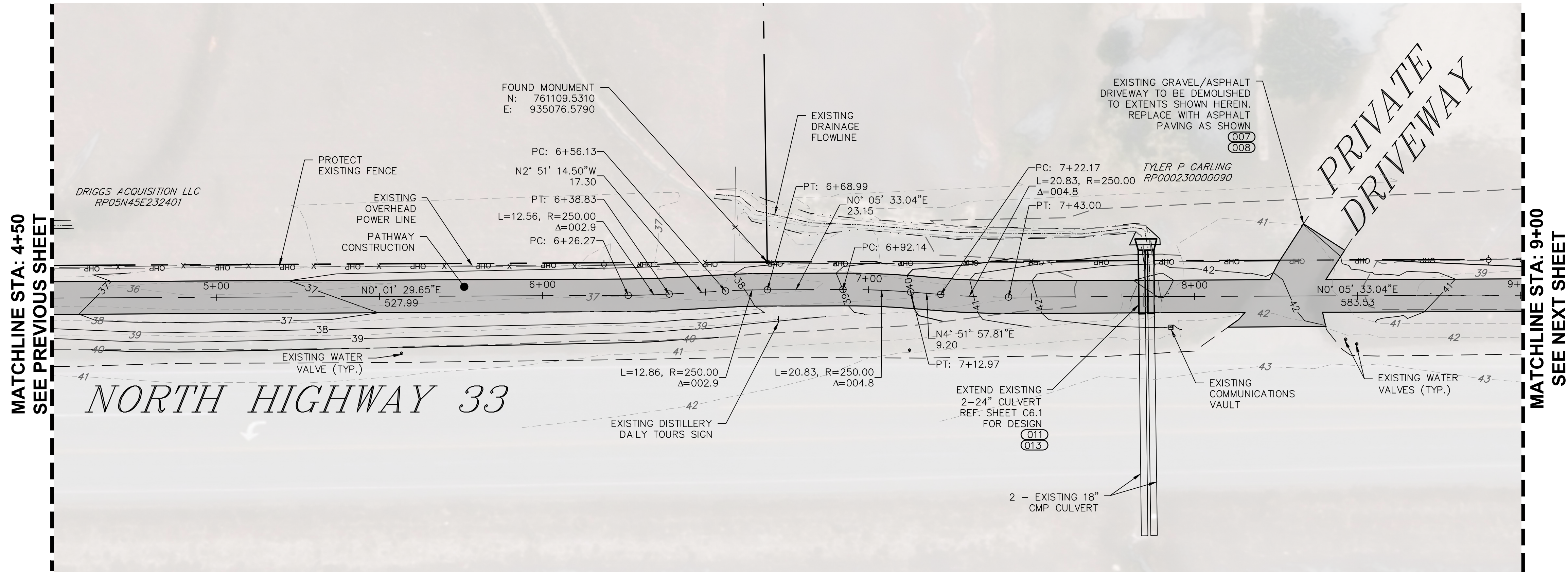
LEGEND

- EXISTING PROPERTY LINE
- - - - -30- - - - - EXISTING CONTOUR (MAJOR) (ADD 6100)
- - - - -31- - - - - EXISTING CONTOUR (MINOR) (ADD 6100)
- - - - -30- - - - - PROPOSED CONTOUR (MAJOR) (ADD 6100)
- - - - -31- - - - - PROPOSED CONTOUR (MINOR) (ADD 6100)
- ▒ PROPOSED ASPHALT PAVING





DATE	REVISIONS
2/12/2024	

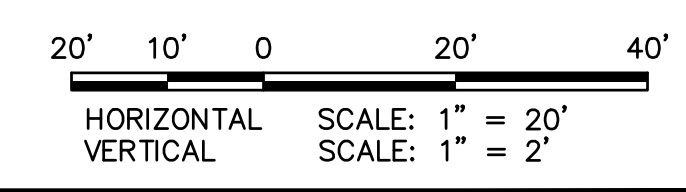
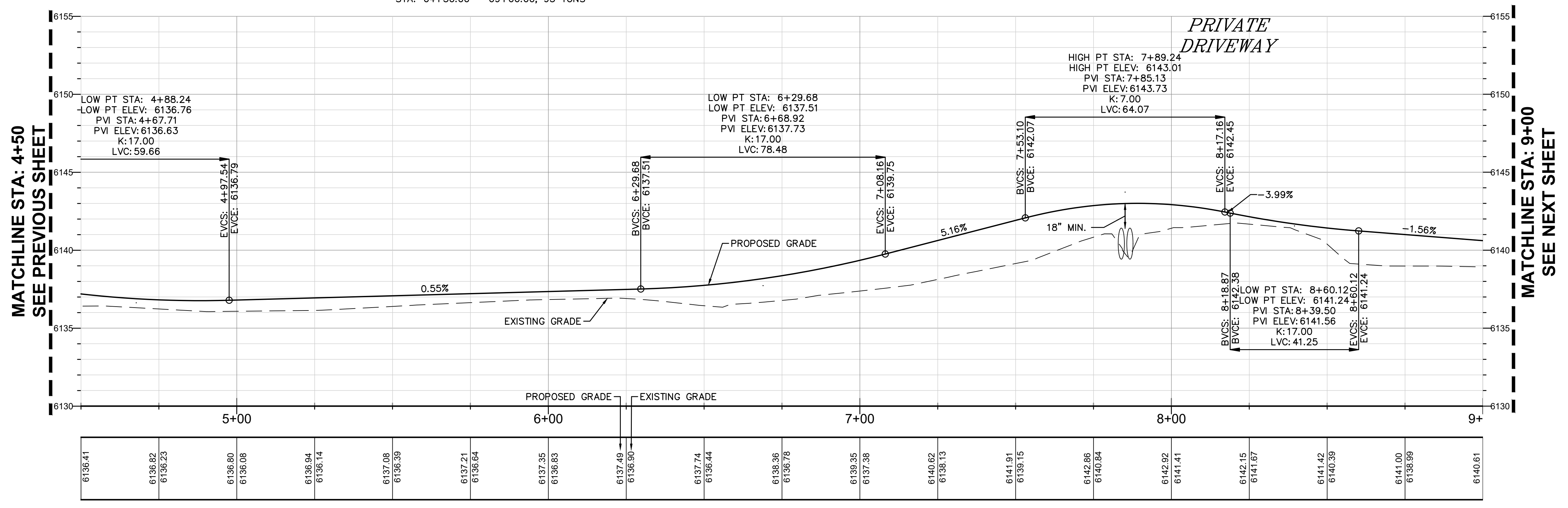


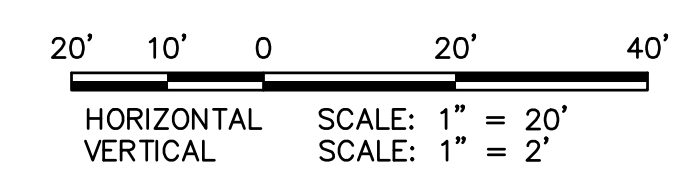
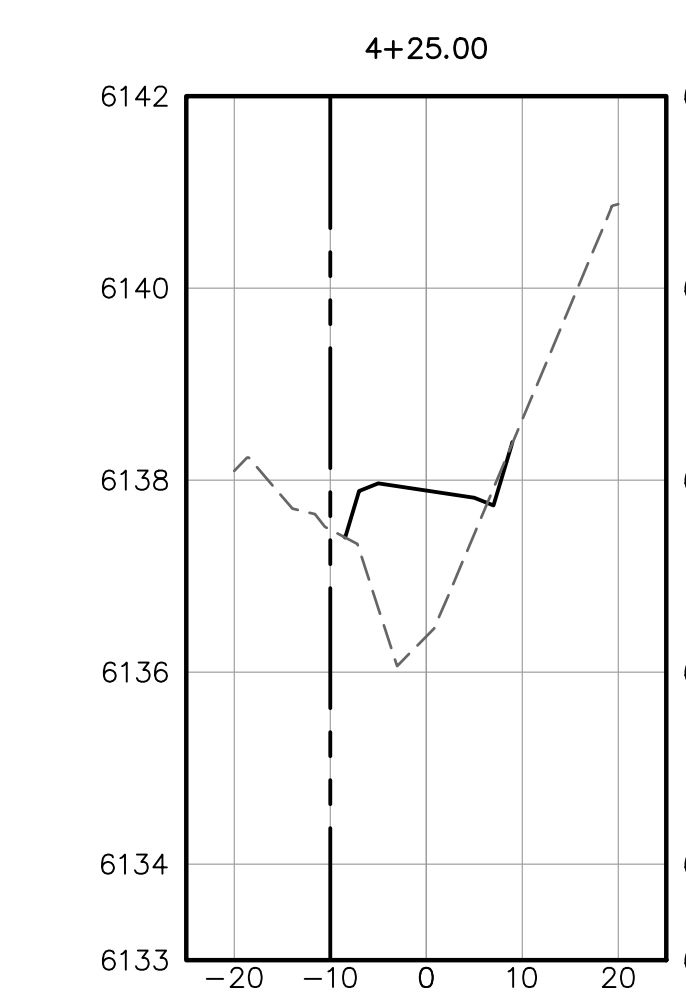
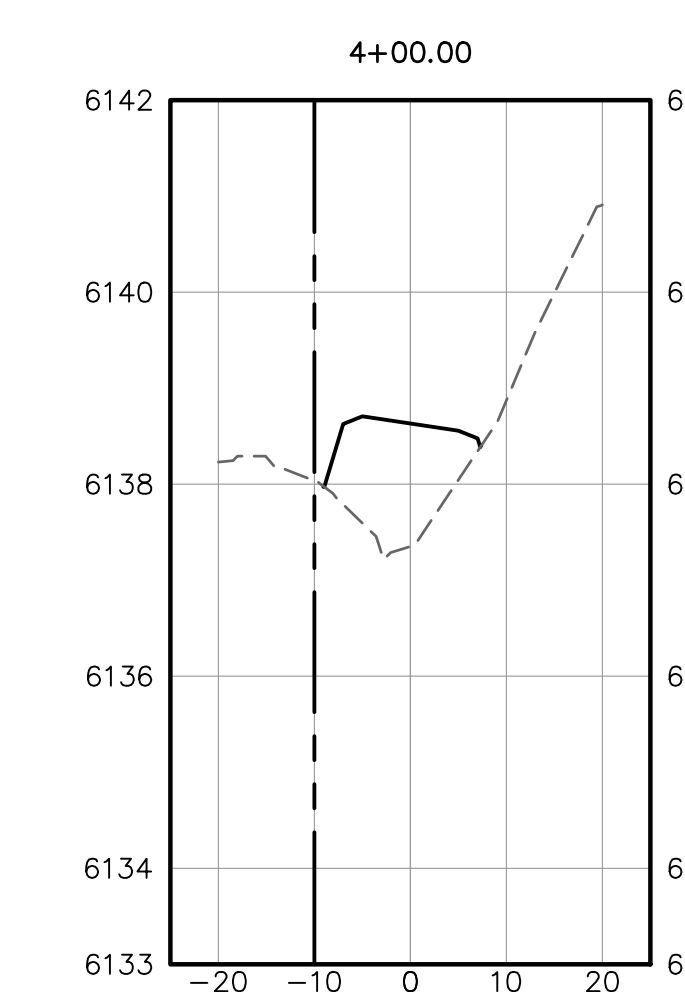
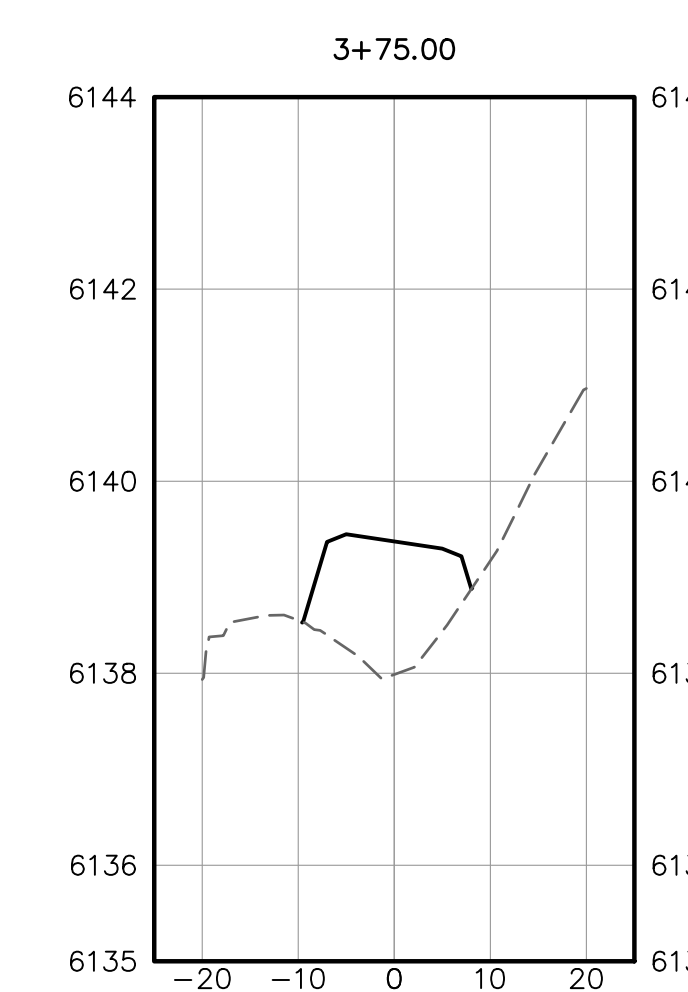
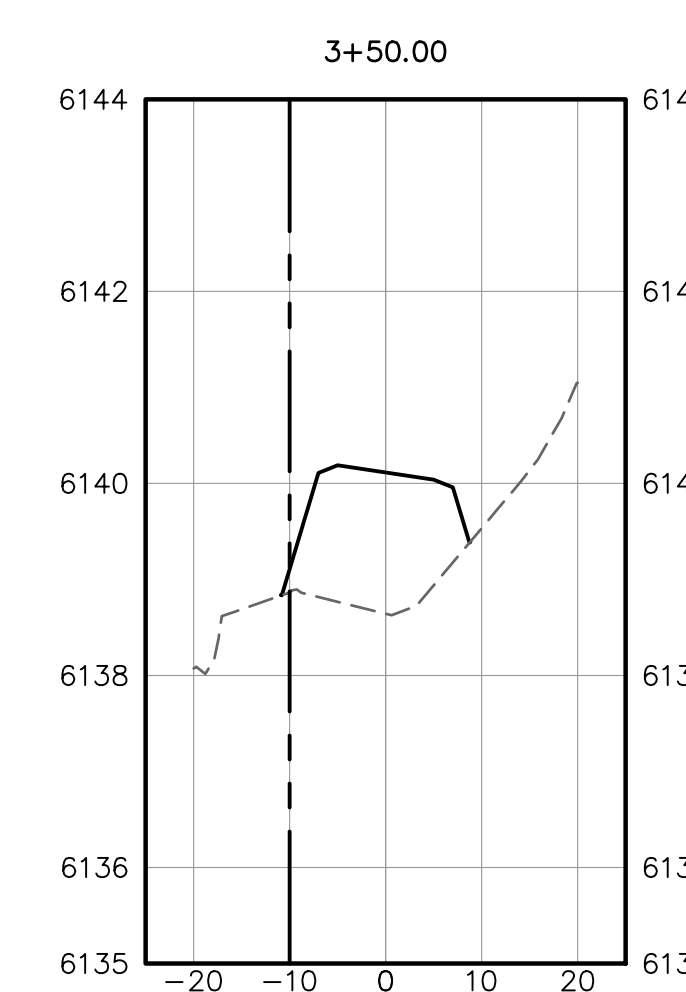
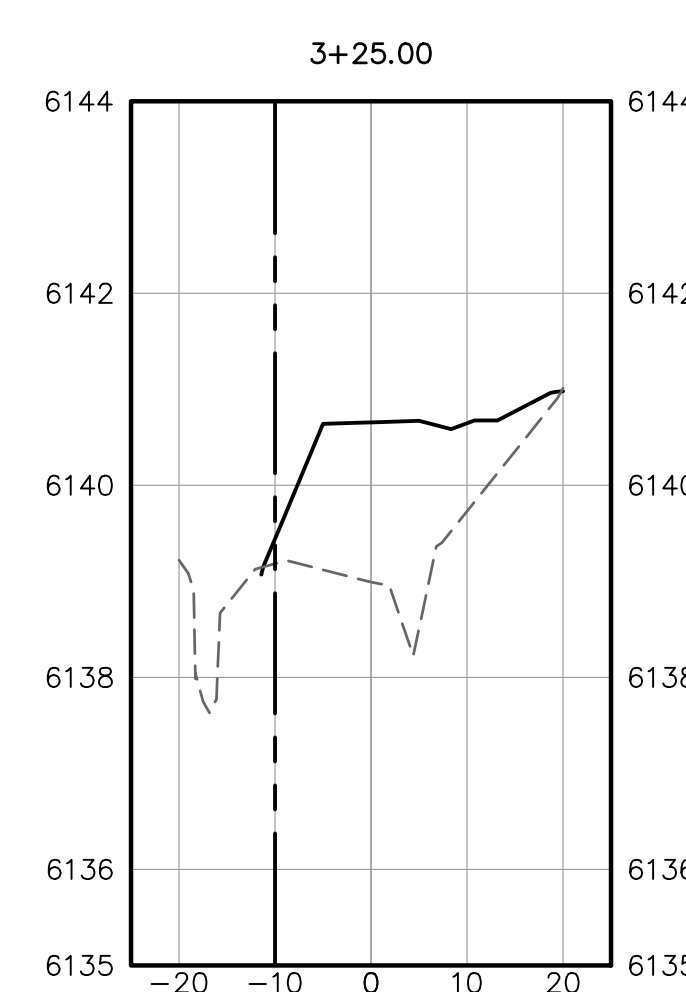
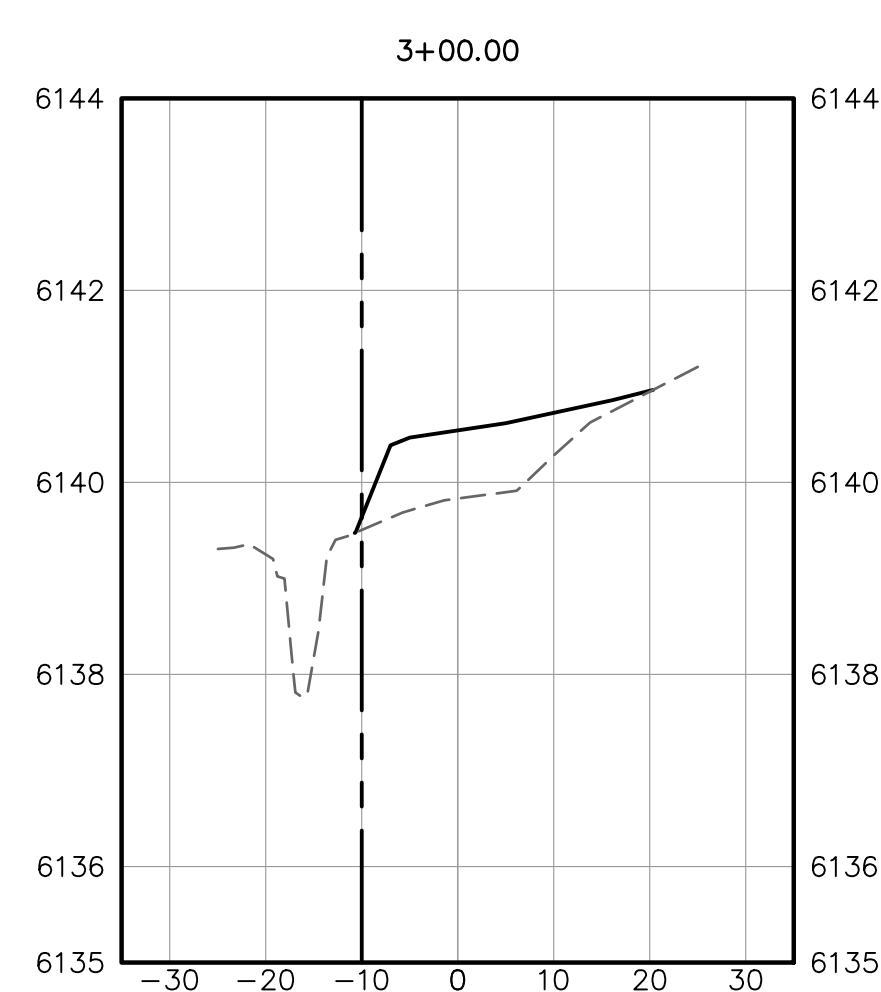
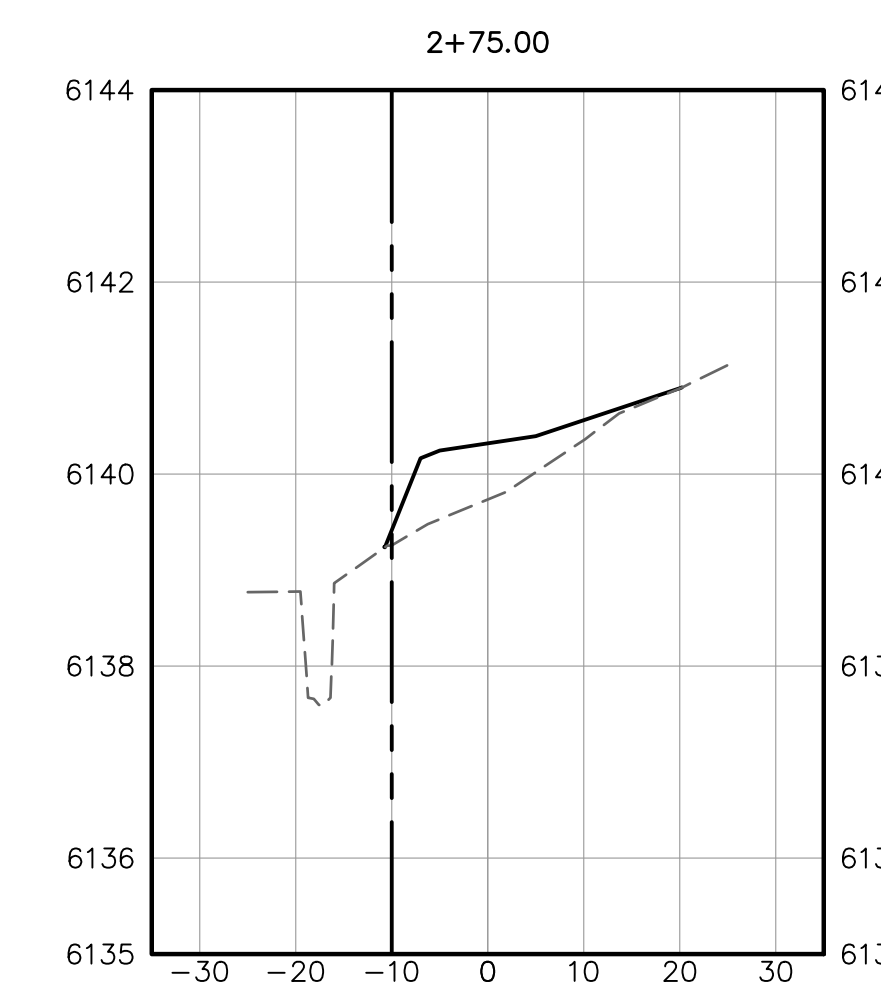
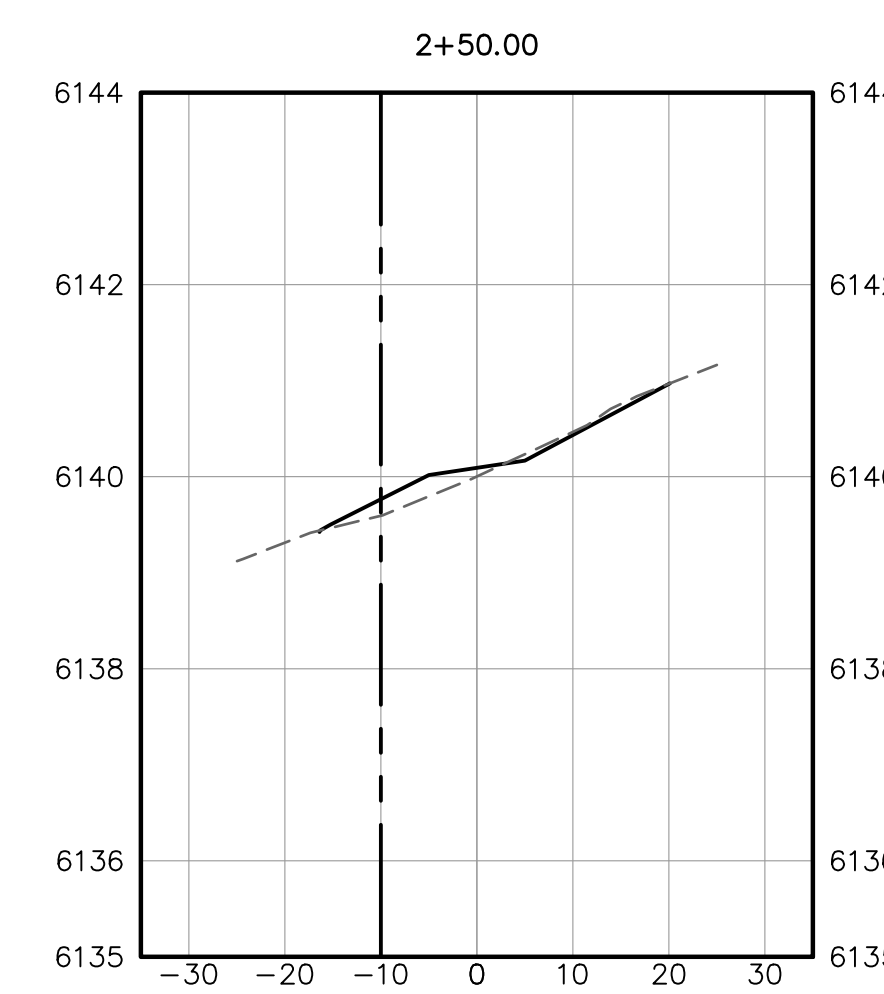
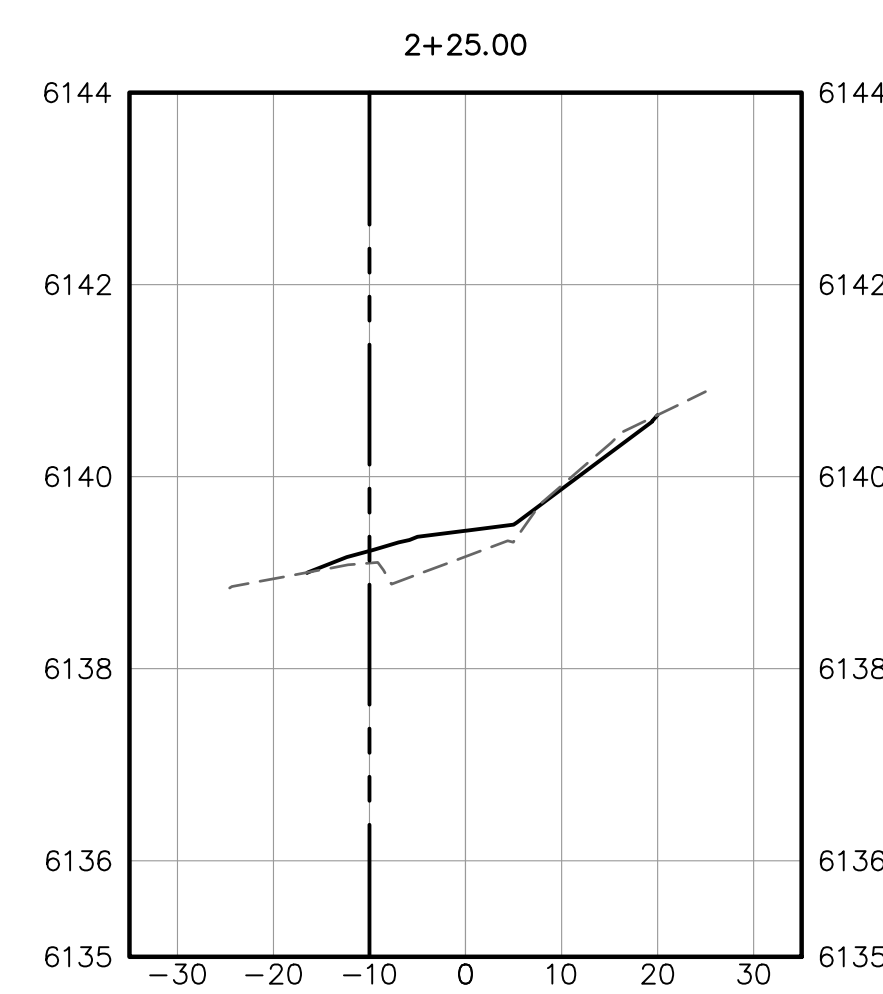
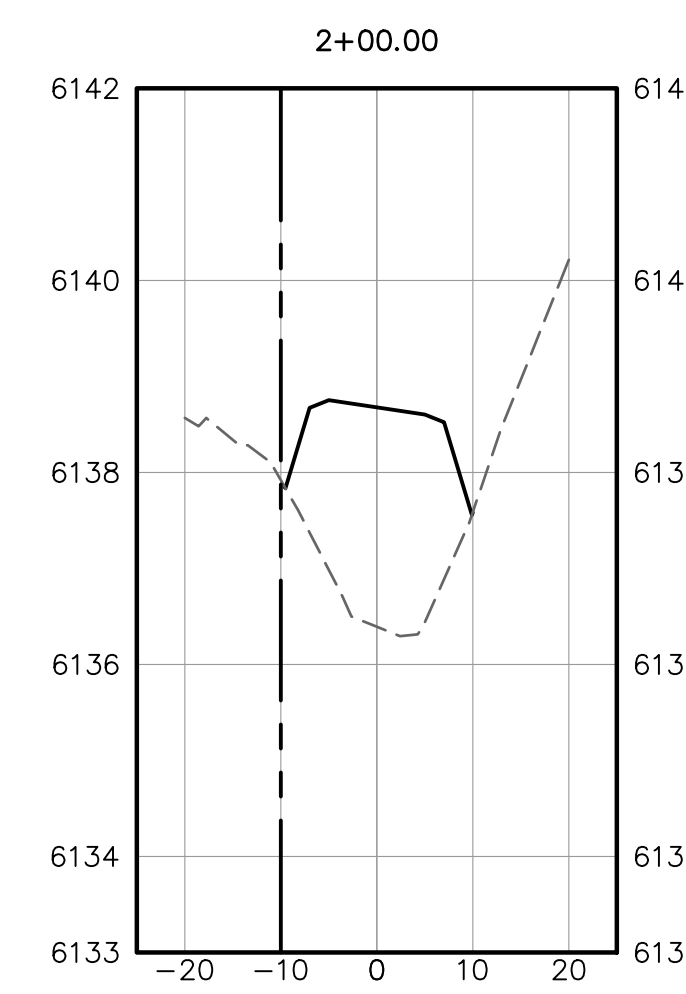
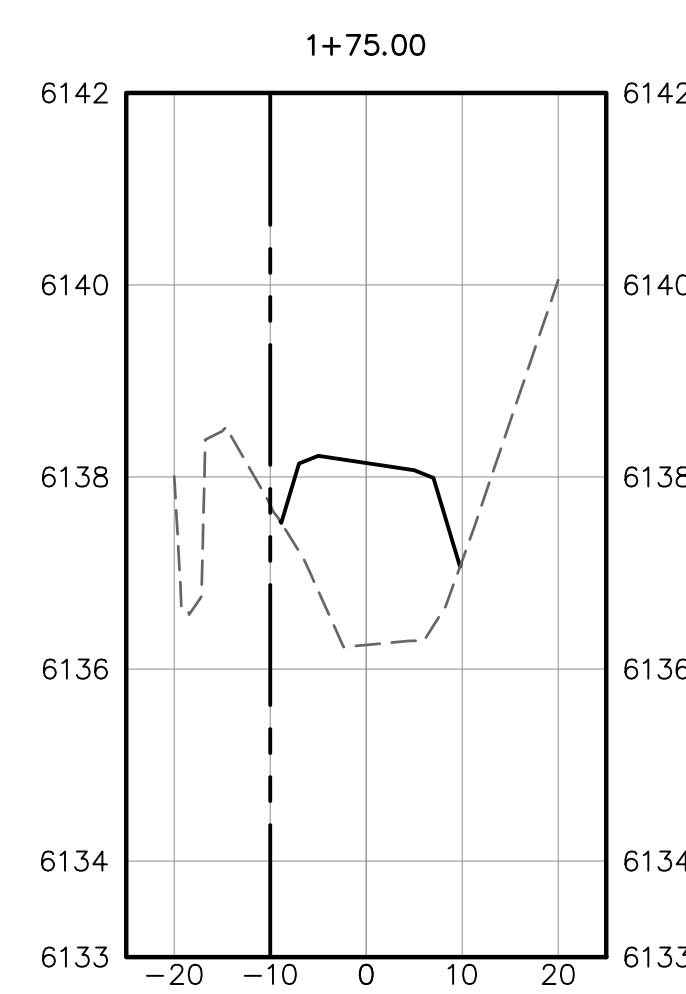
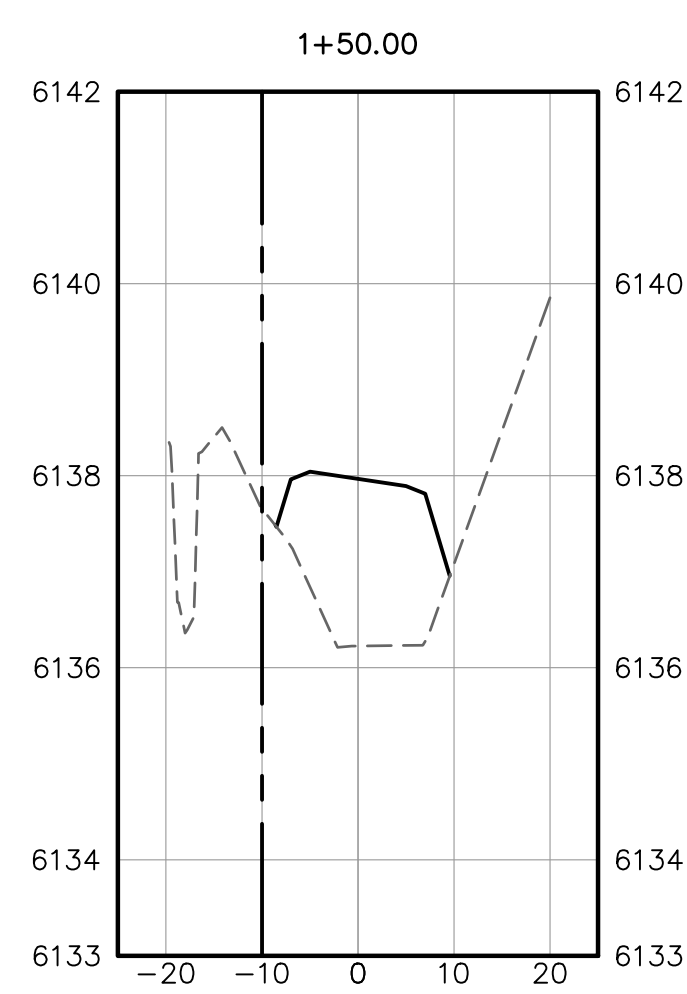
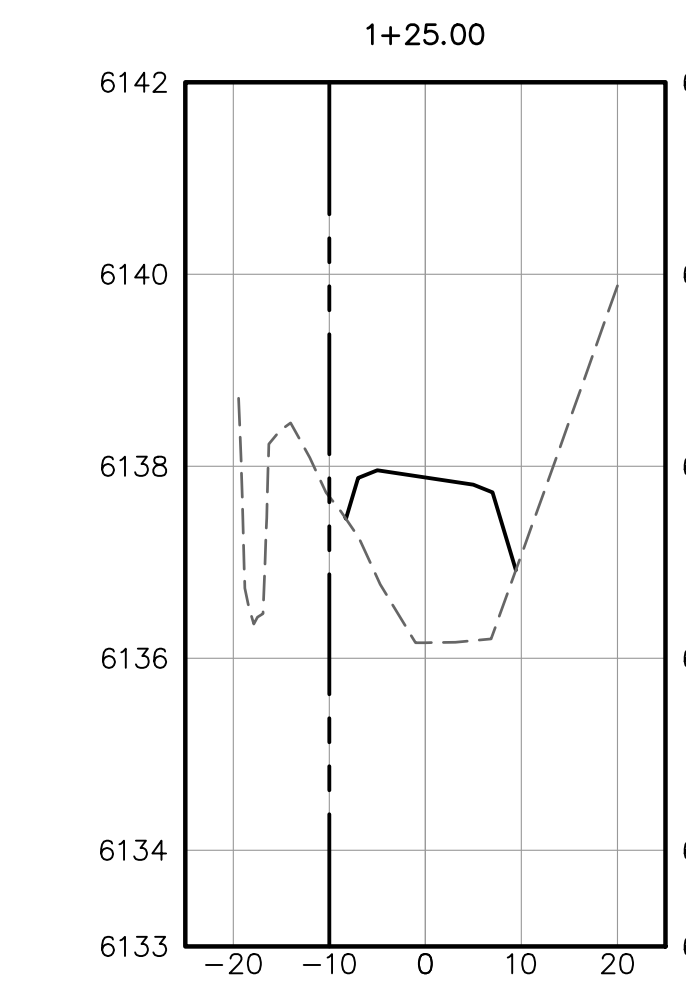
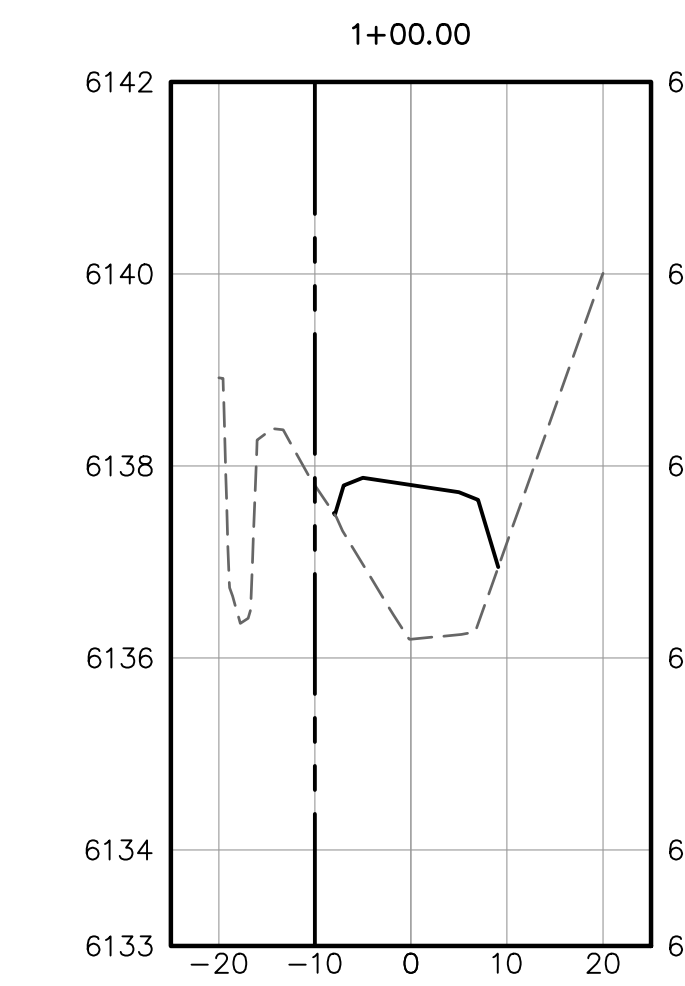
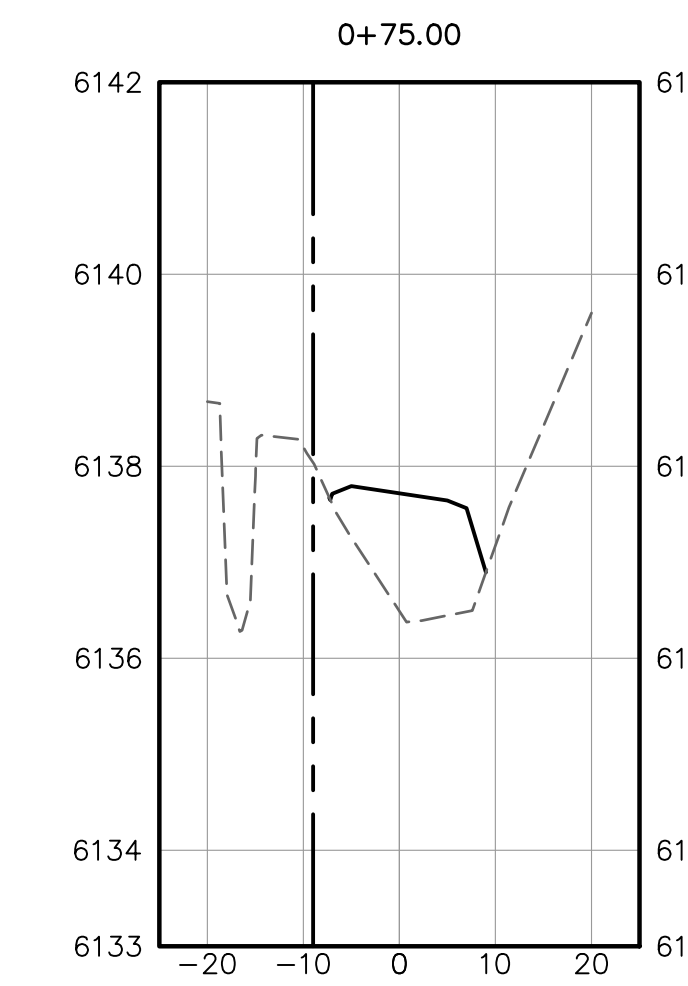
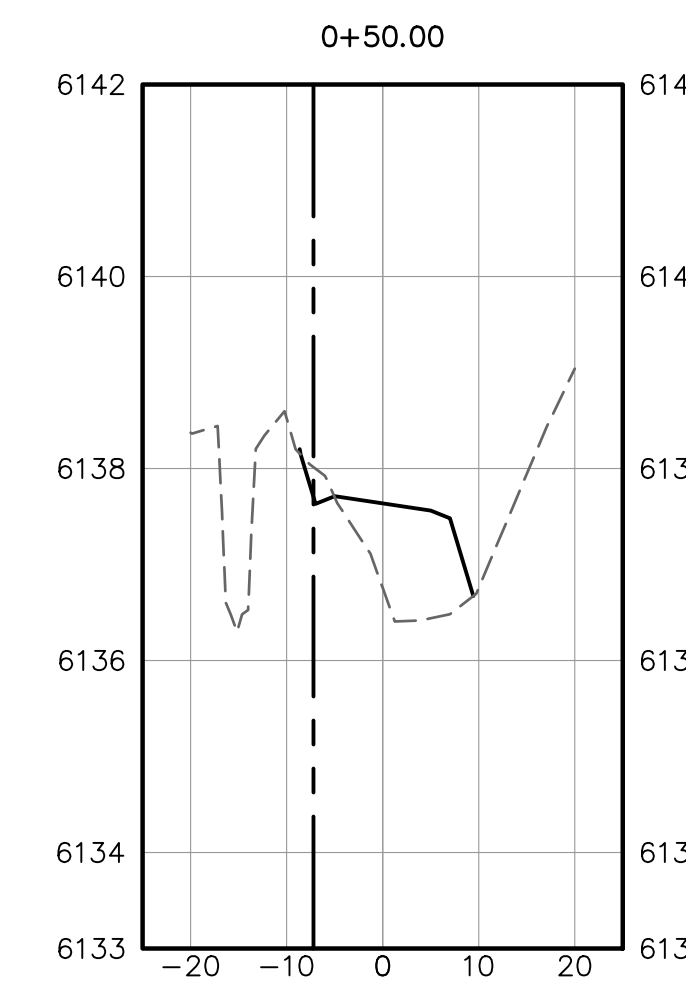
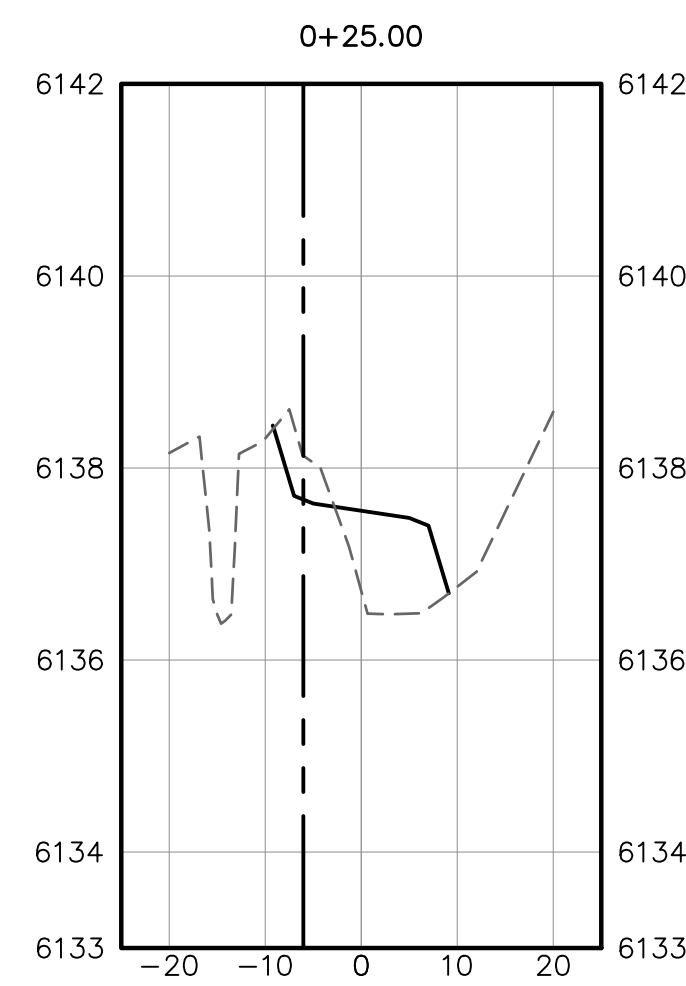
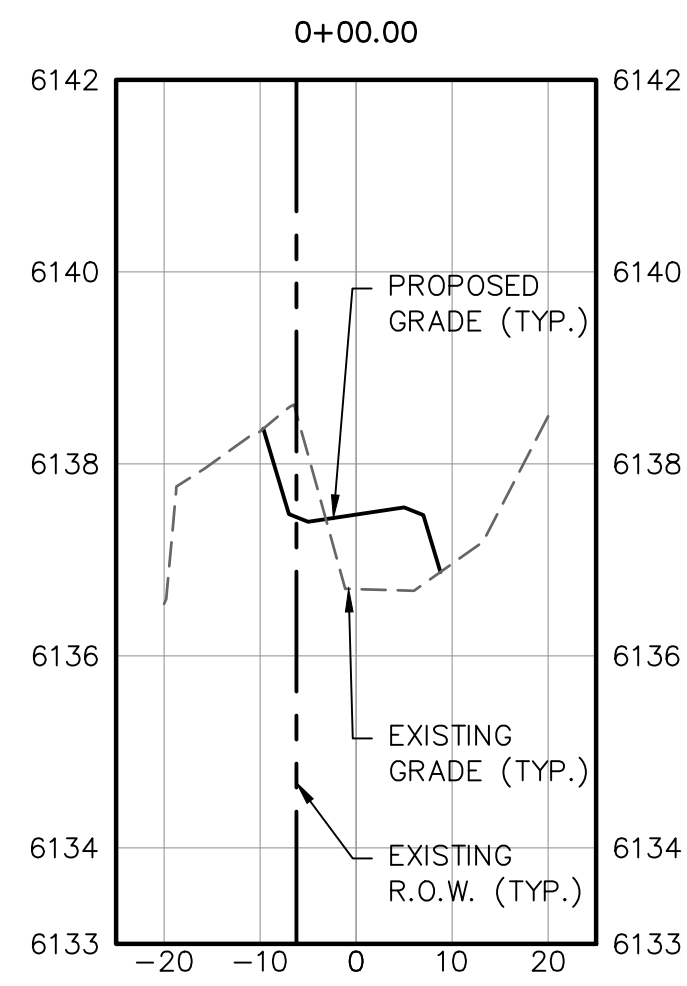
QUANTITIES

- | | |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| (006) CLEARING AND GRUBBING, STRIP & STOCKPILE SOIL FOR REUSE
STA: 04+50.00 - 09+00.00, 0.218 AC | (011) 24" CULVERT PIPE
STA: 07+85.33, 46.00 LF |
| (007) SAWCUT PAVING
STA: 08+10.30 - 08+46.09, 45 LF | (013) 24" STEEL APRON FOR ROUND METAL PIPE
STA: 07+85.33, 2 EA. |
| (008) PAVEMENT REMOVAL
STA: 08+10.30 - 08+46.09, 66 SY | (014) GRANULAR SUBBASE
STA: 04+50.00 - 09+00.00, 117 CY |
| (009) EXCAVATION AND EMBANKMENT, GRAVEL, BANK RUN, COMPACTED
STA: 04+50.00 - 09+00.00, 6.5 CY | (015) AGGREGATE BASE
STA: 04+50.00 - 09+00.00, 71 CY |
| | (016) SUPERPAVE HOT MIX ASPHALT PAVEMENT
STA: 04+50.00 - 09+00.00, 95 TONS |

LEGEND

- EXISTING PROPERTY LINE
- 30- - - - EXISTING CONTOUR (MAJOR) (ADD 6100)
- 31- - - - EXISTING CONTOUR (MINOR) (ADD 6100)
- 30- - - - PROPOSED CONTOUR (MAJOR) (ADD 6100)
- 31- - - - PROPOSED CONTOUR (MINOR) (ADD 6100)
- PROPOSED ASPHALT PAVING



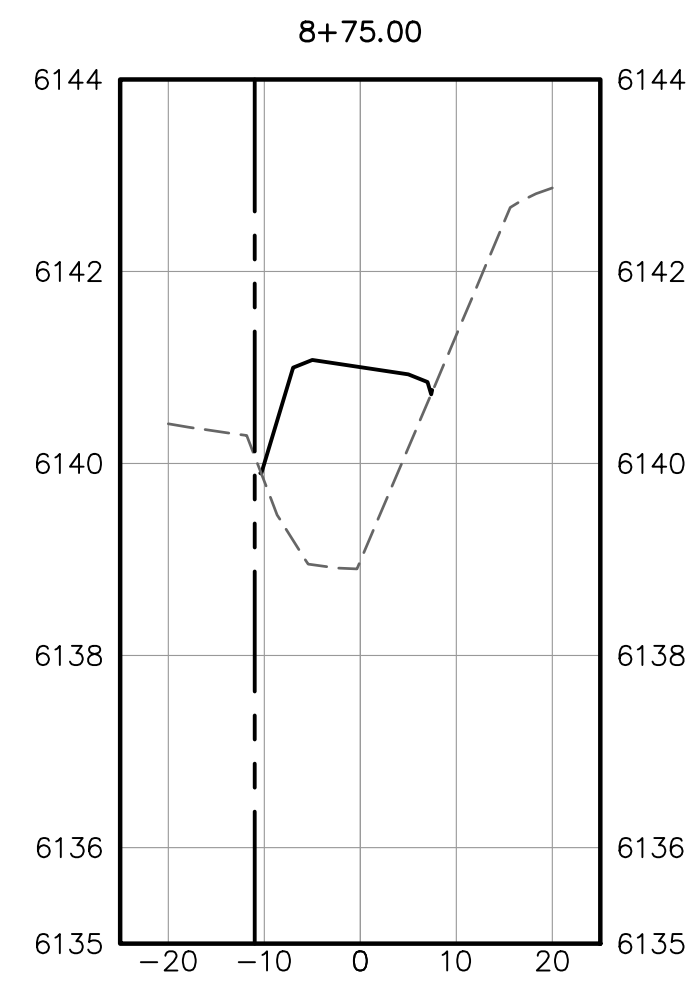
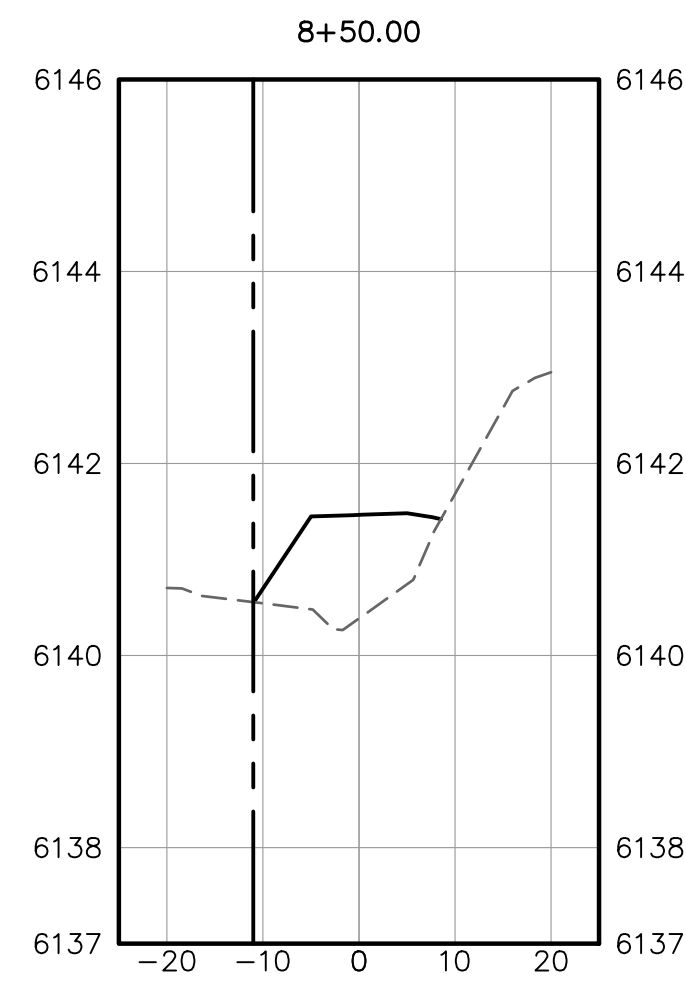
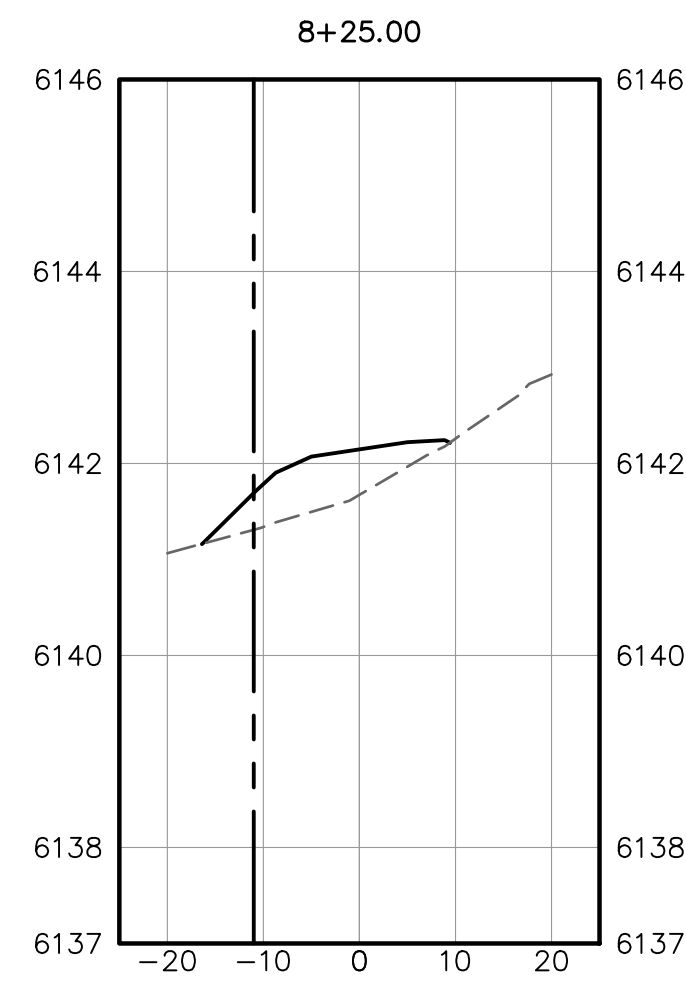
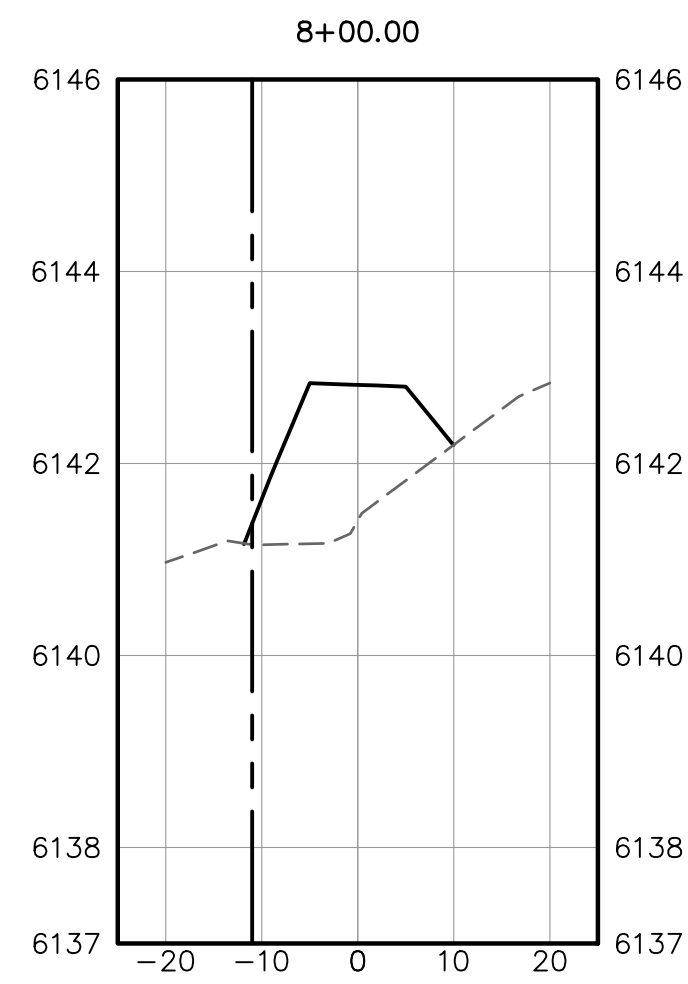
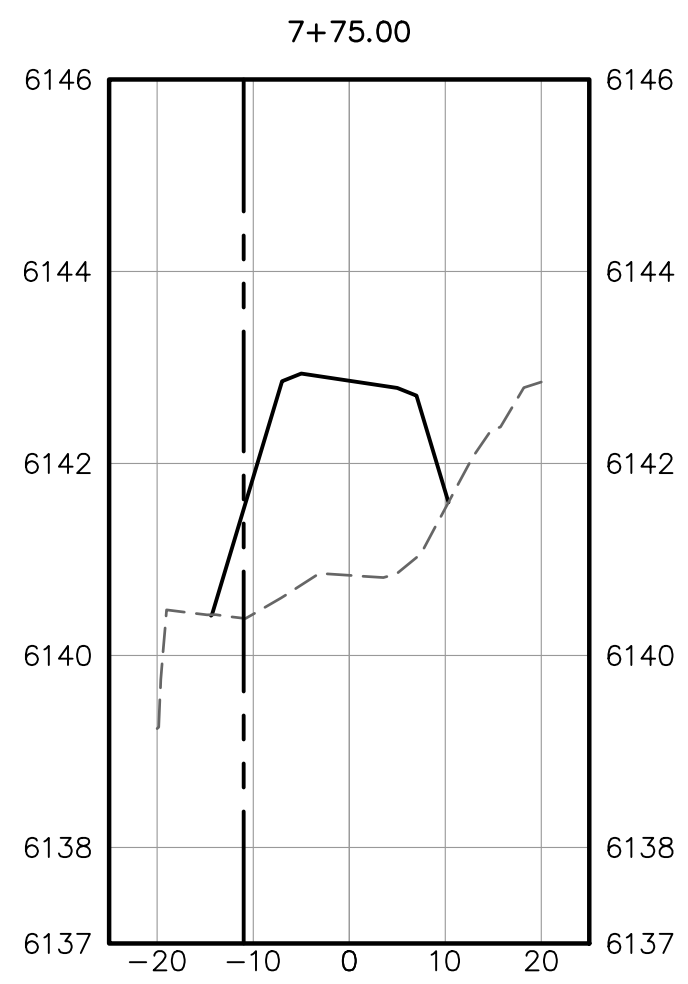
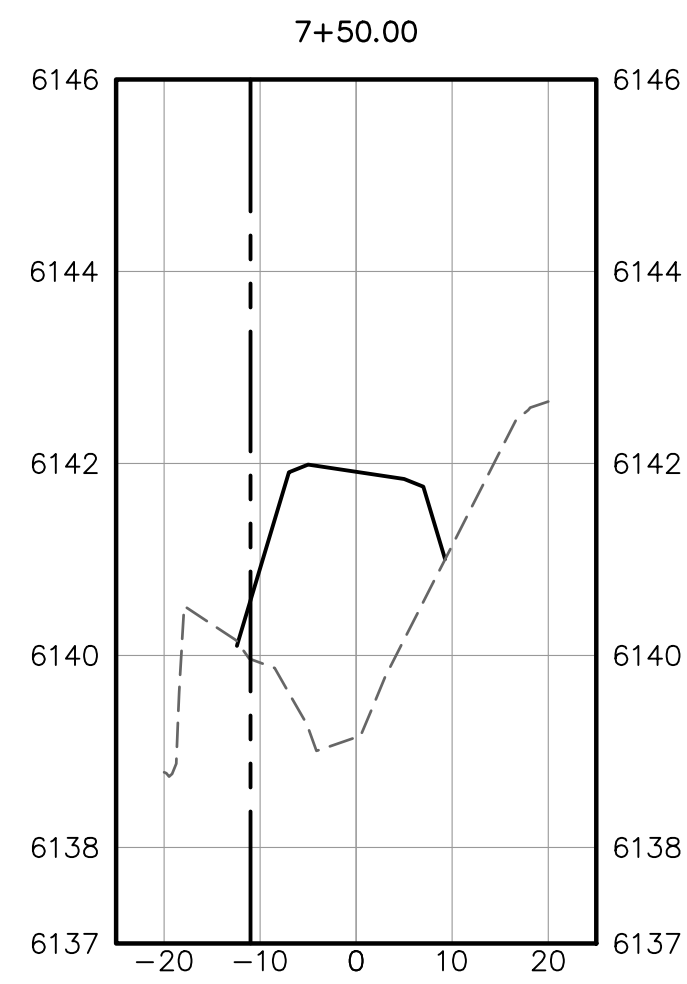
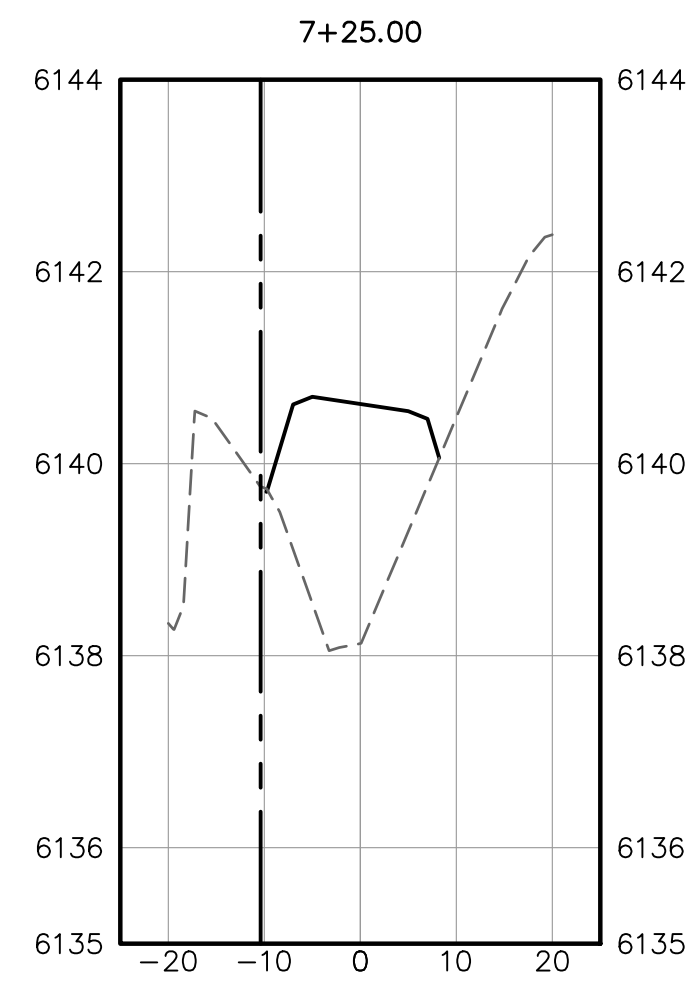
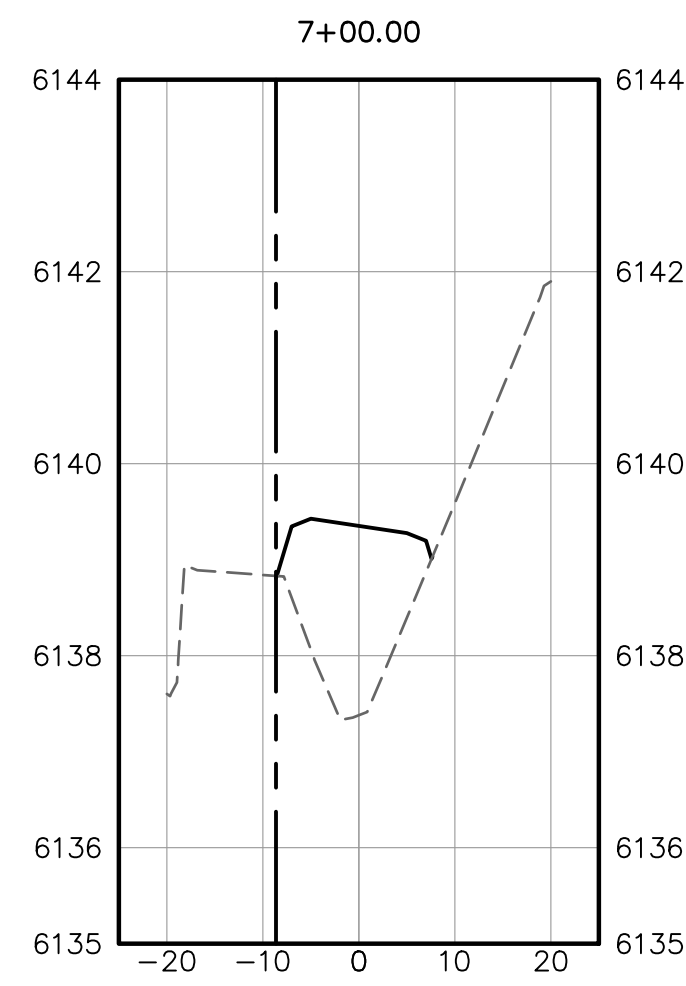
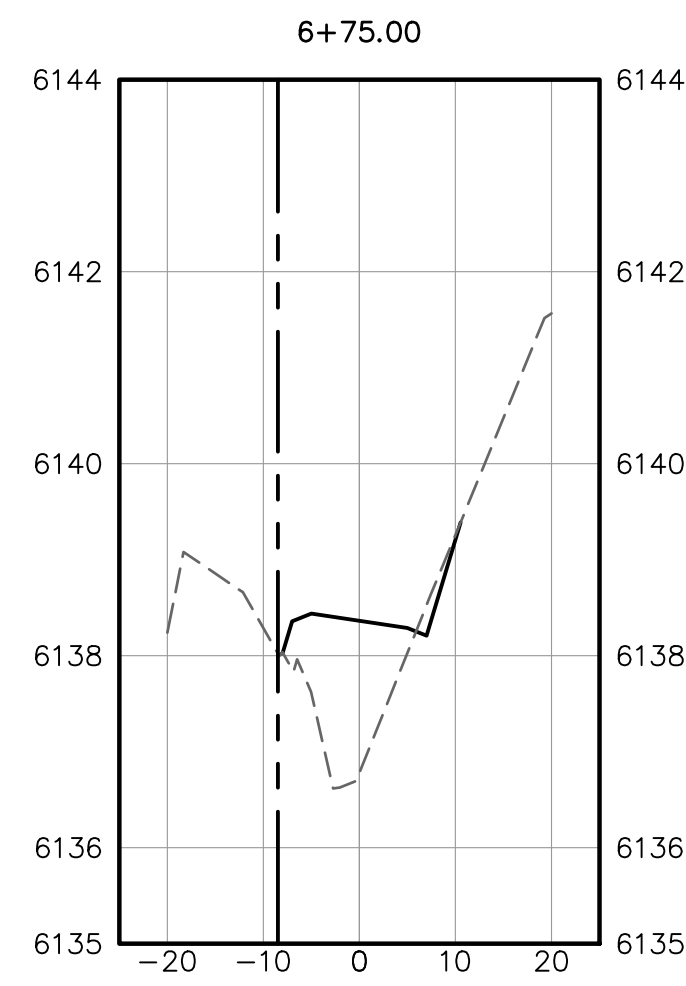
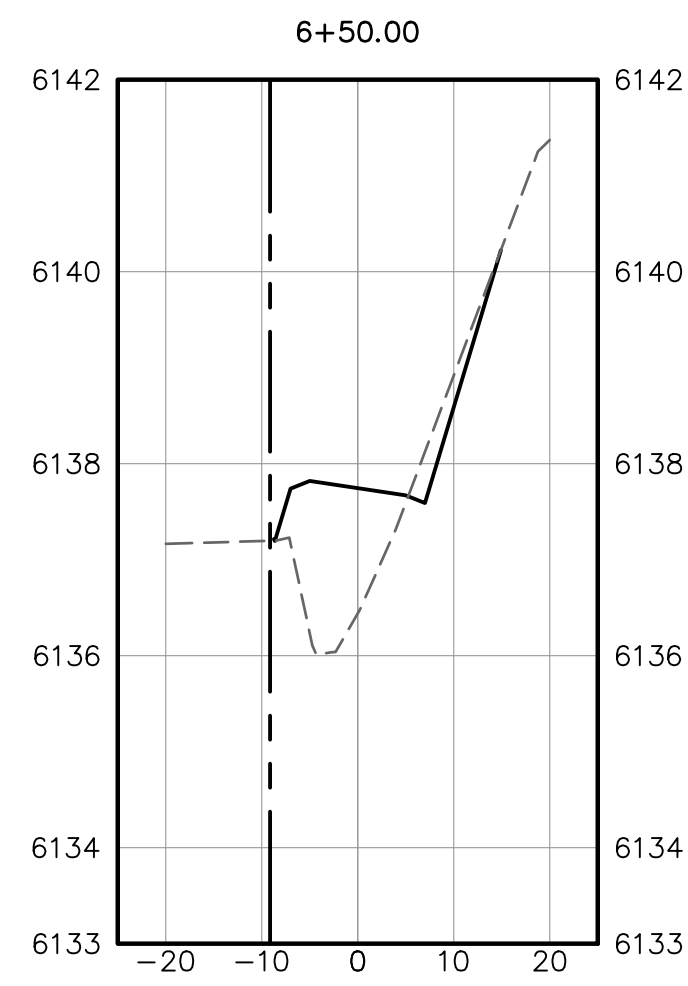
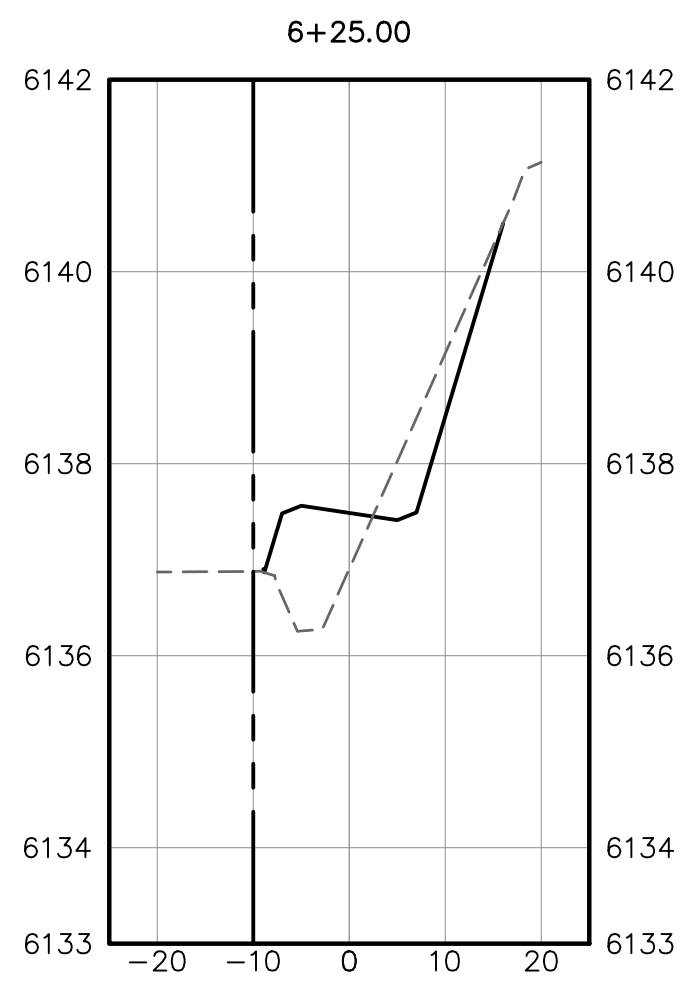
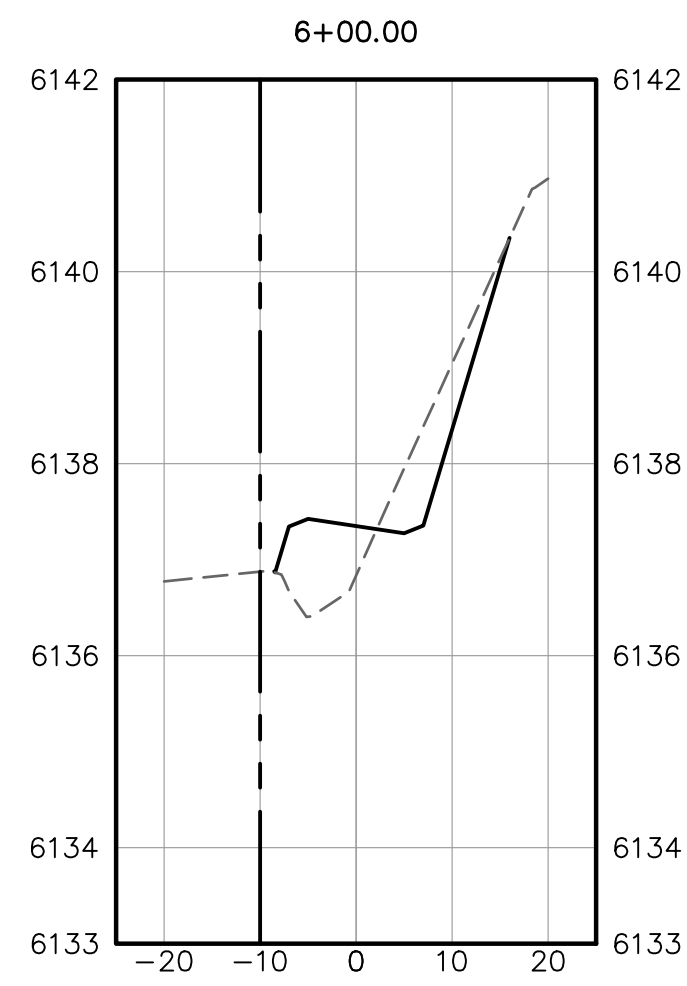
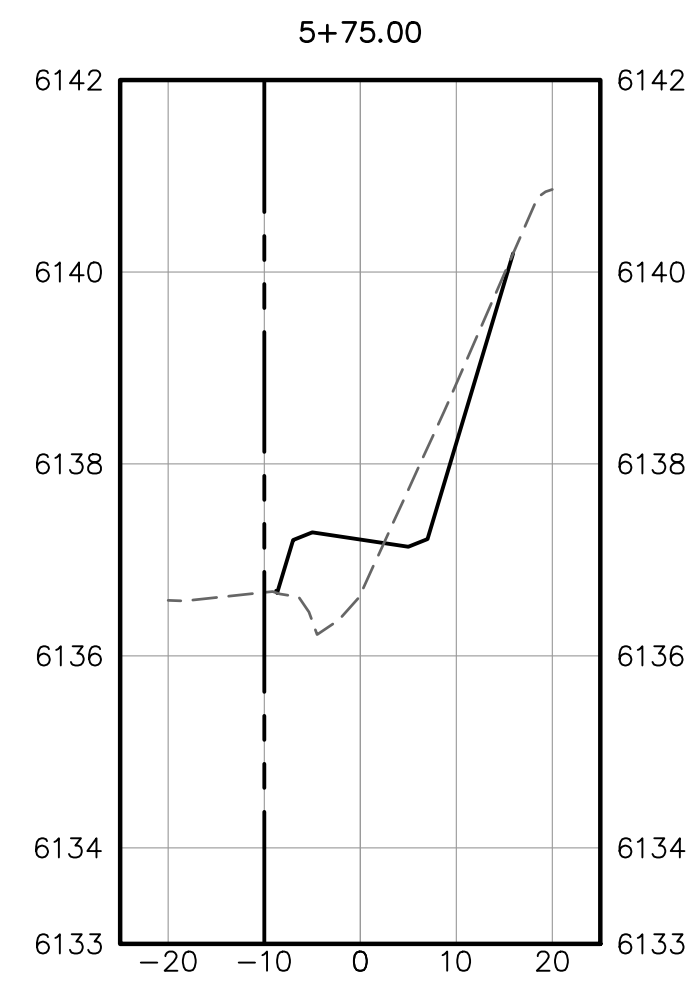
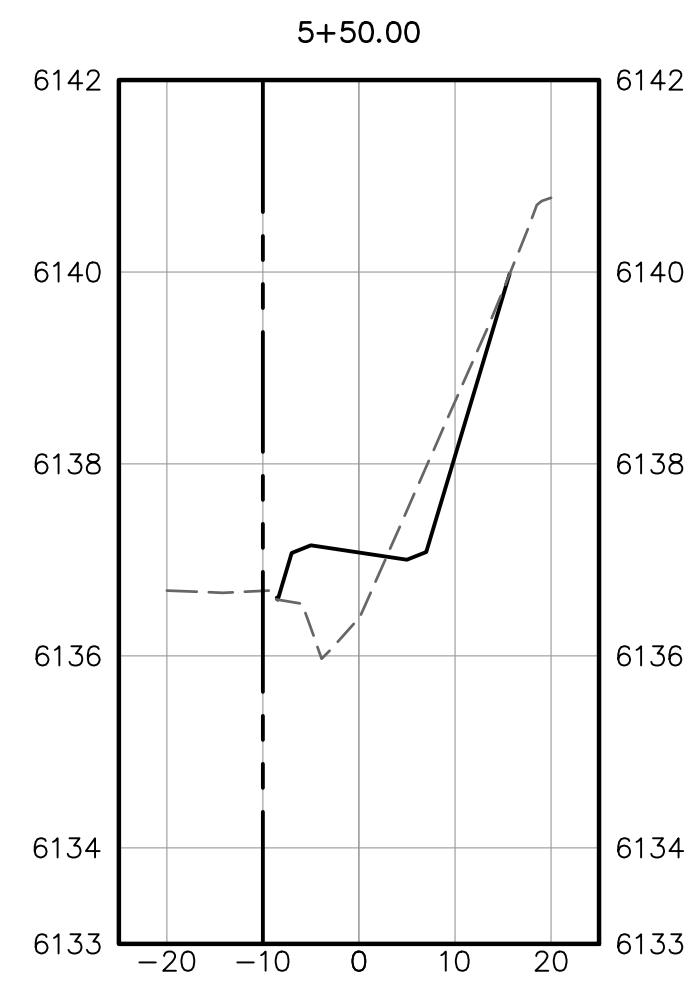
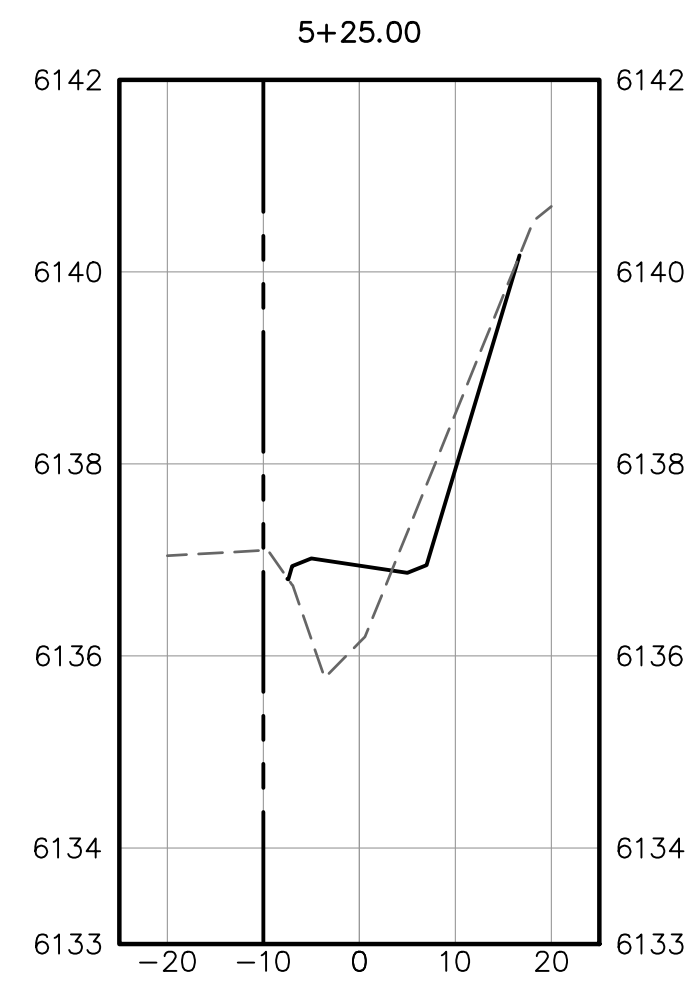
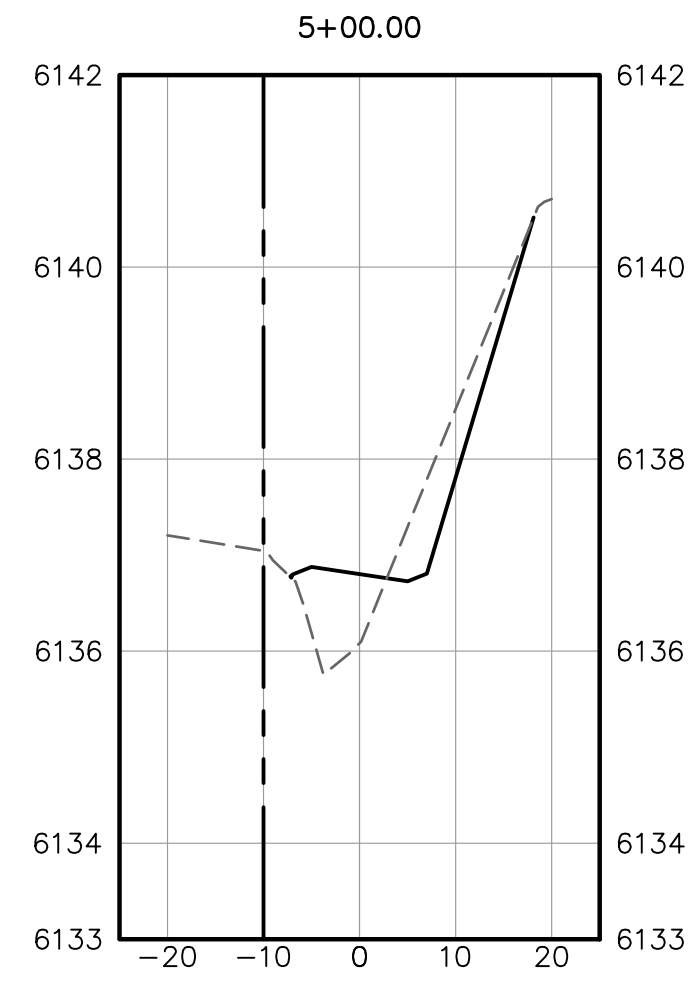
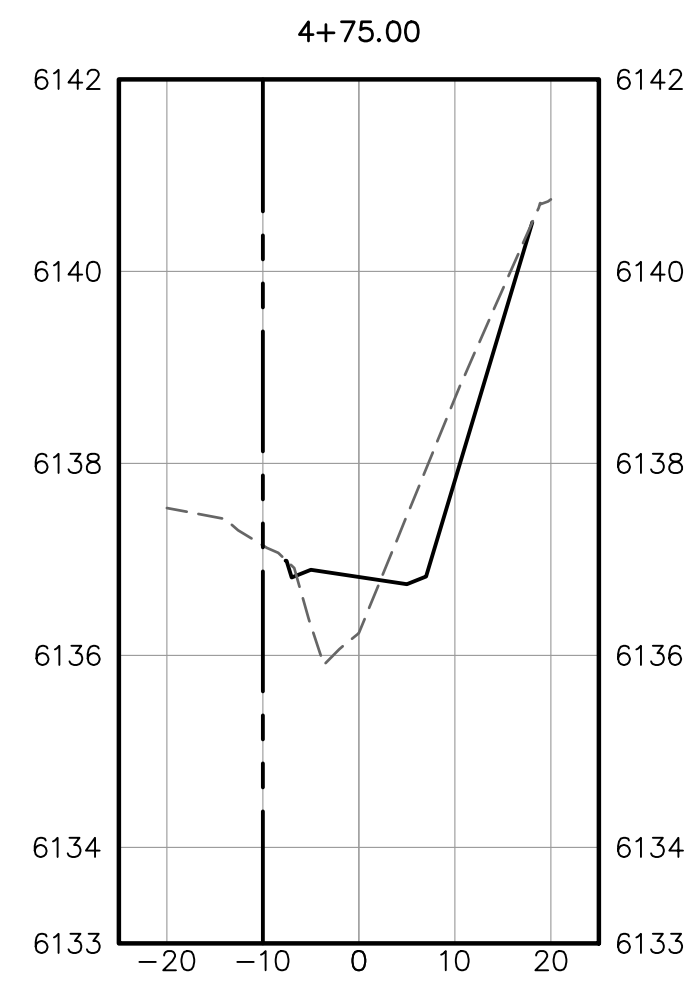
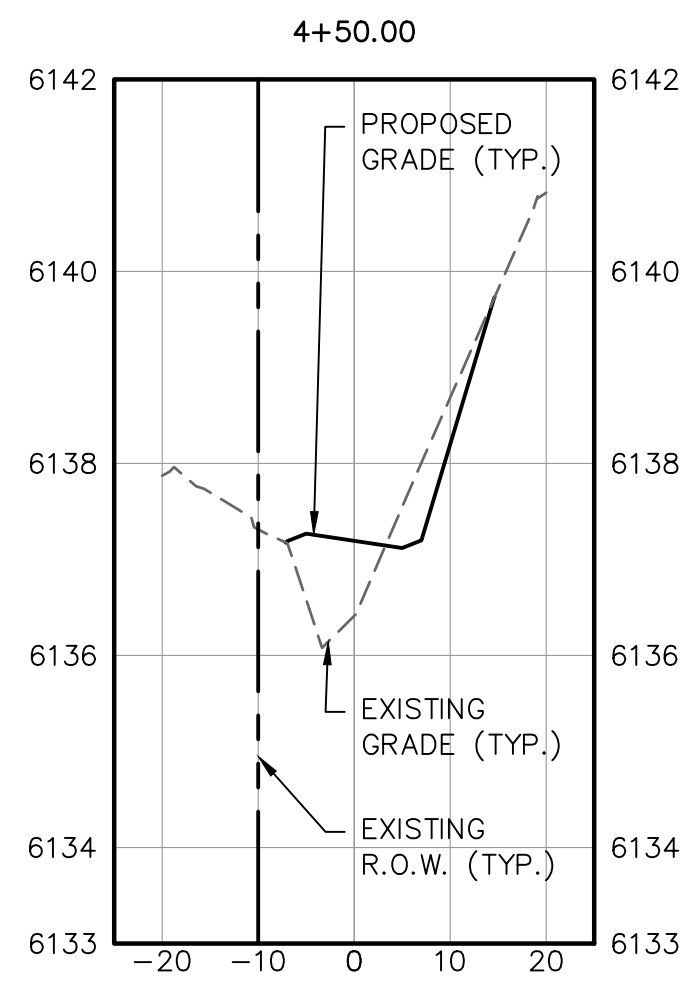


Preliminary
Not for Construction

DATE: 2/12/2024

NO.	REVISIONS:

PROJECT NAME
SH-33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO
PATHWAY CROSS-SECTIONS STATION 0+00 to 4+25

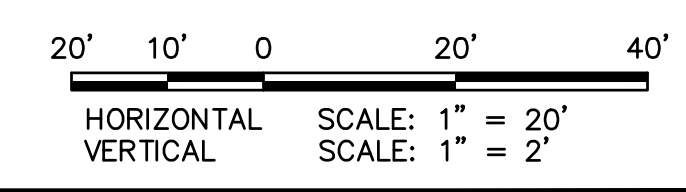


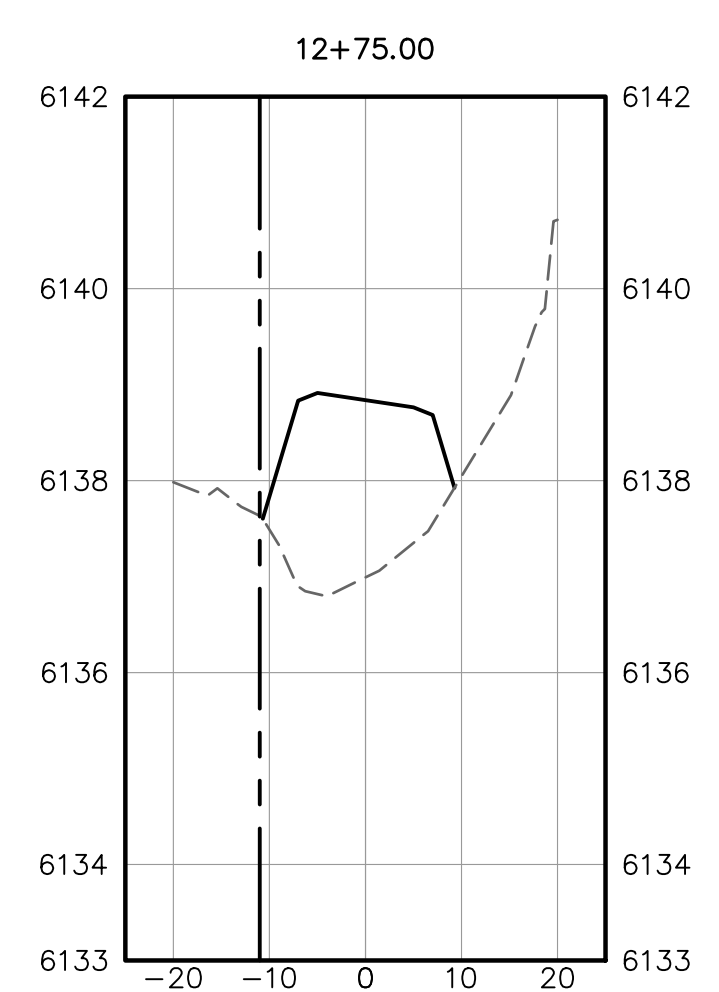
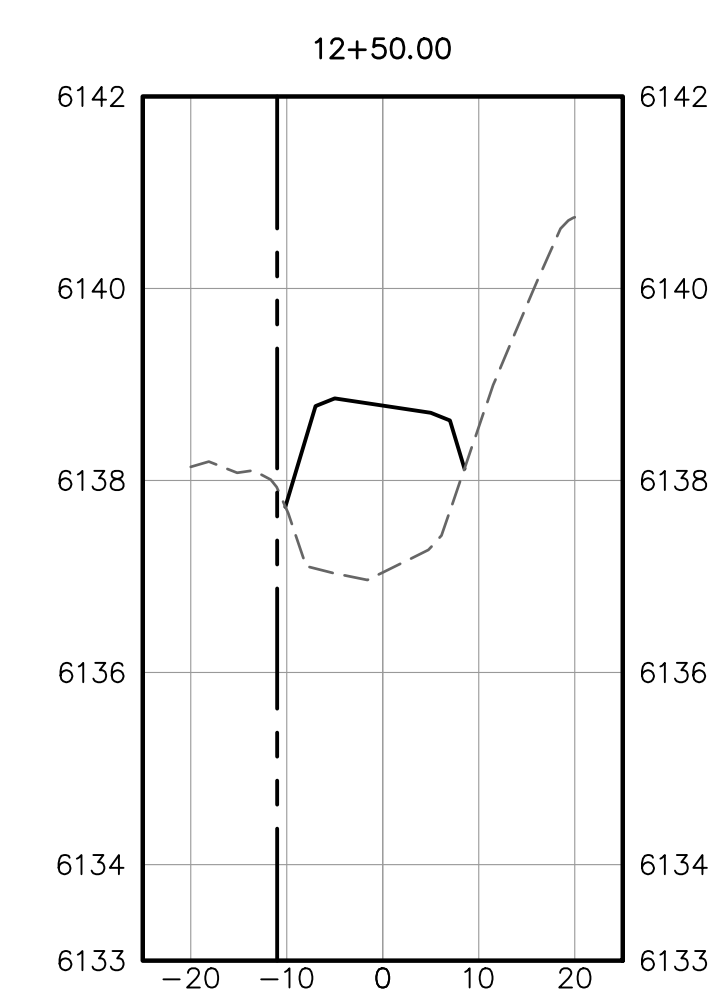
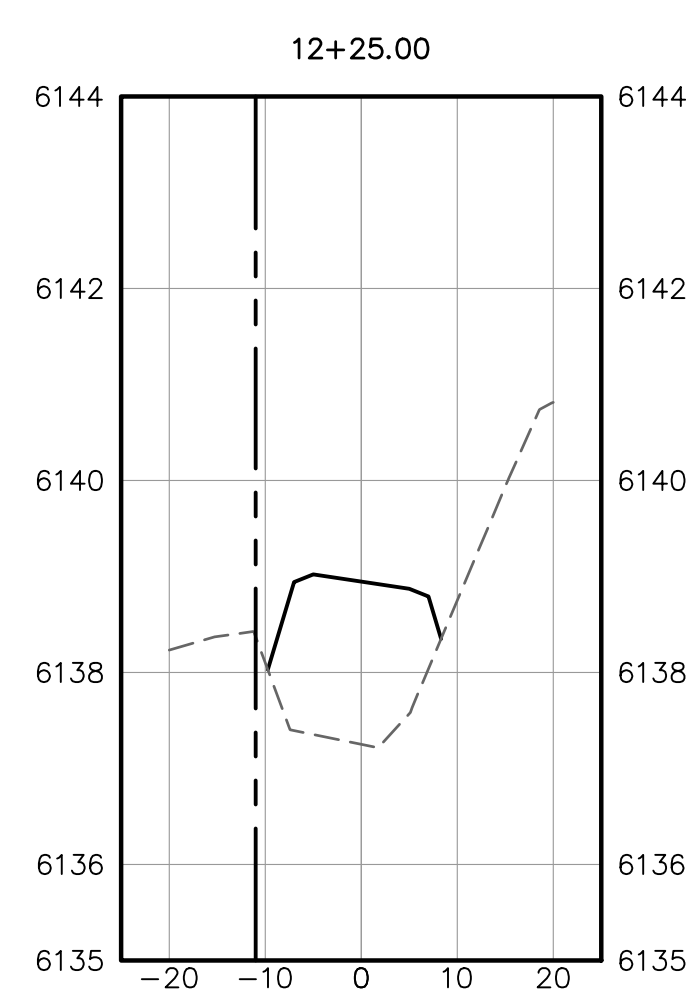
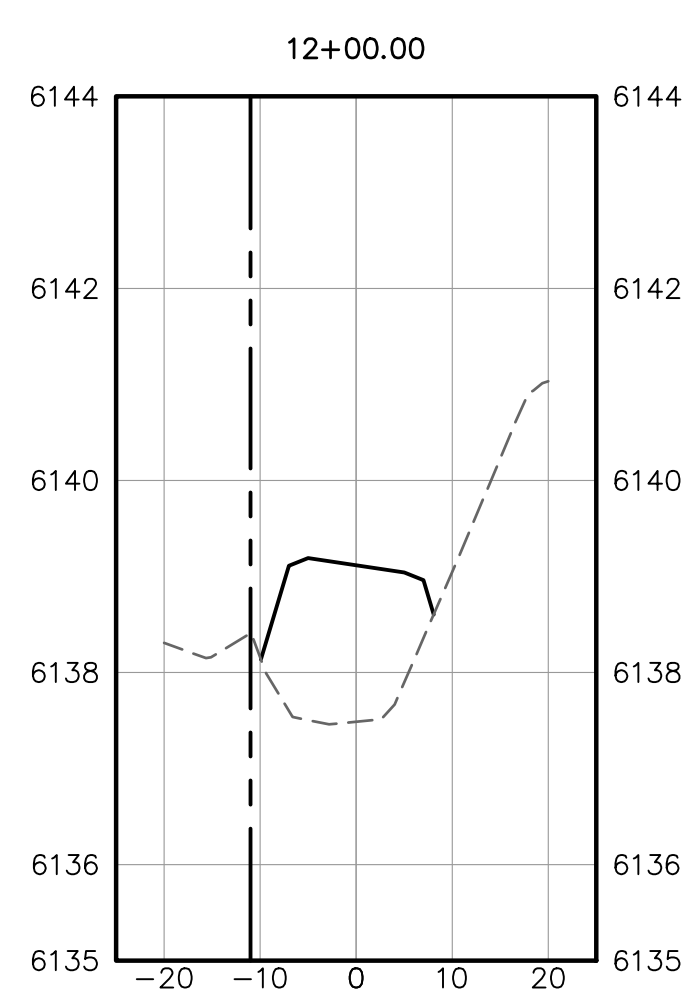
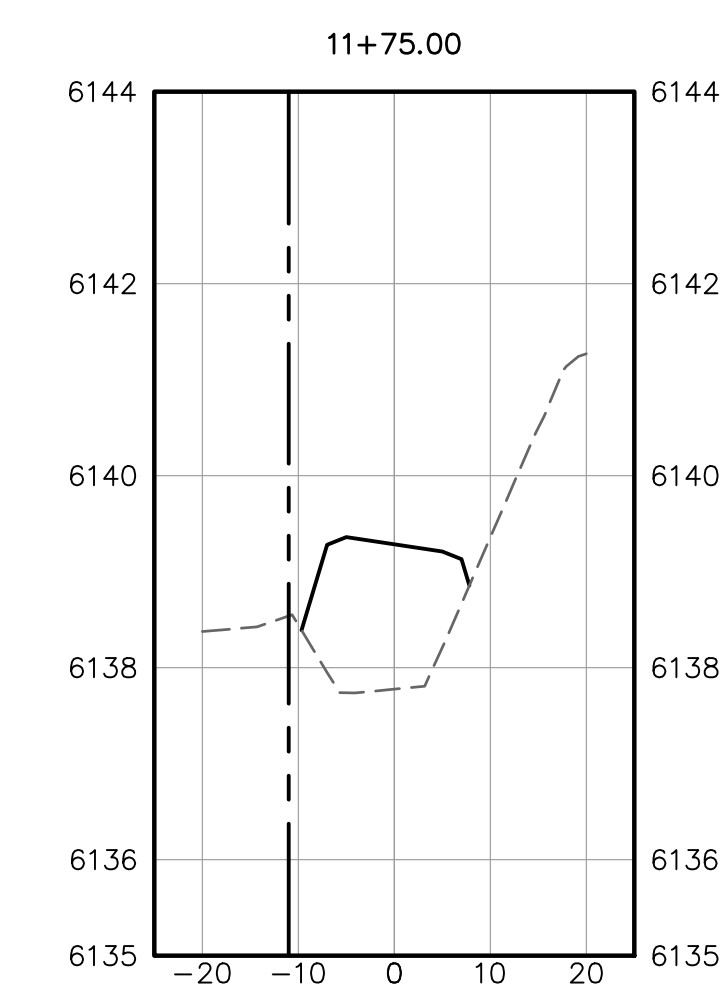
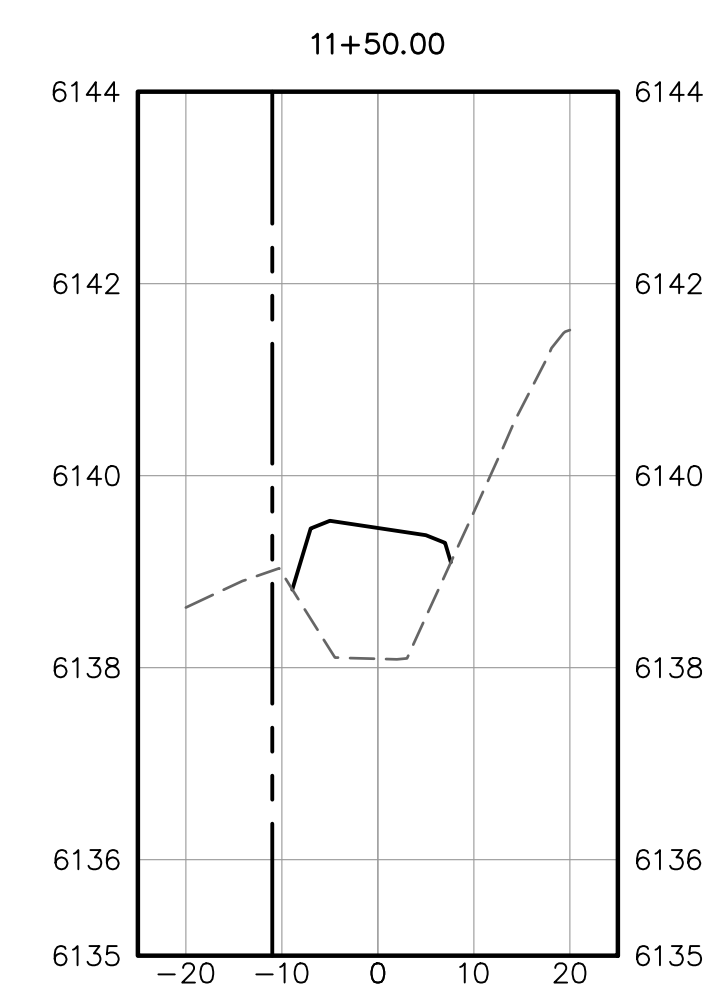
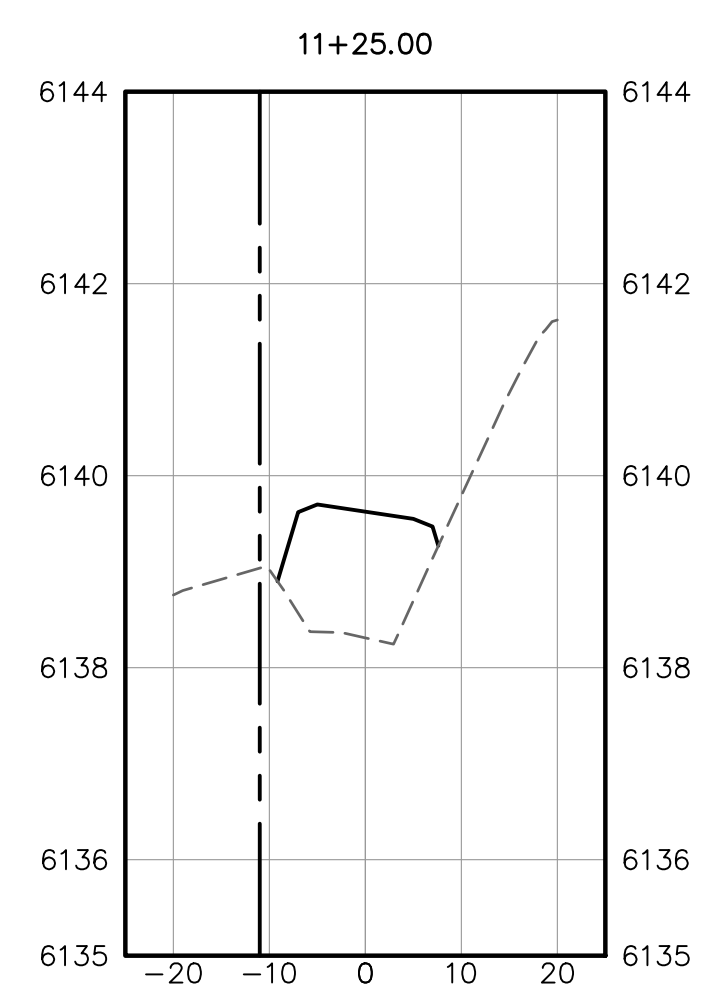
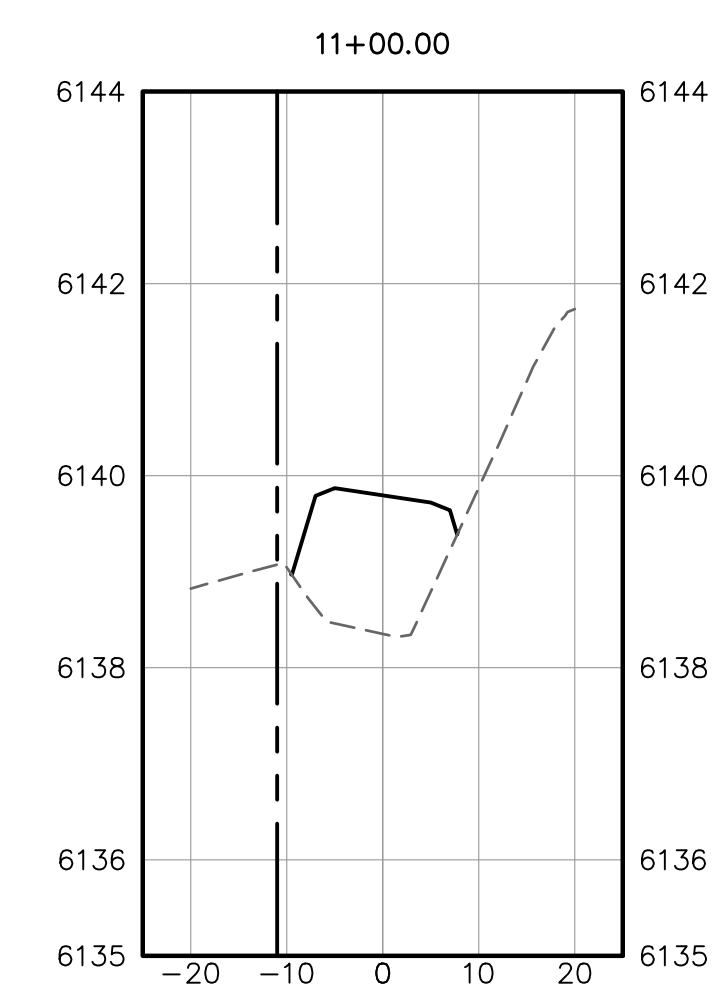
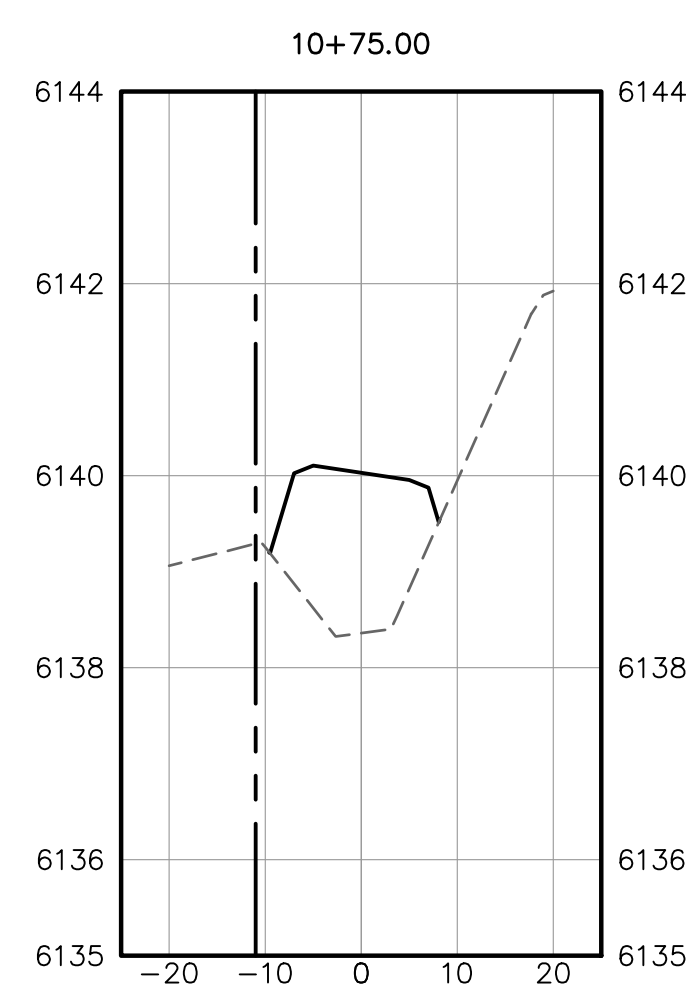
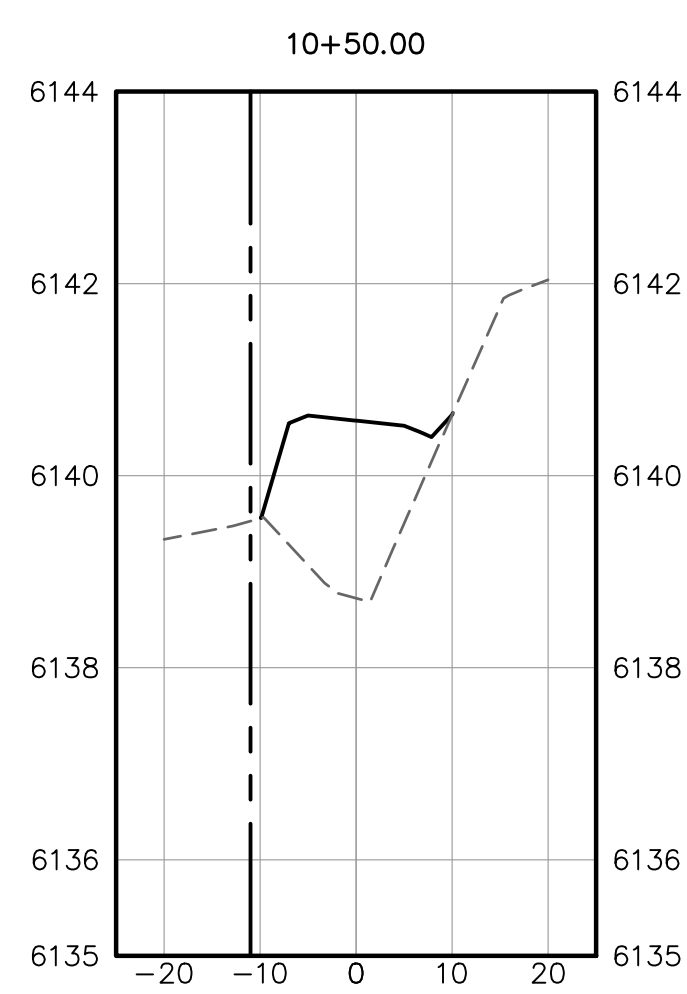
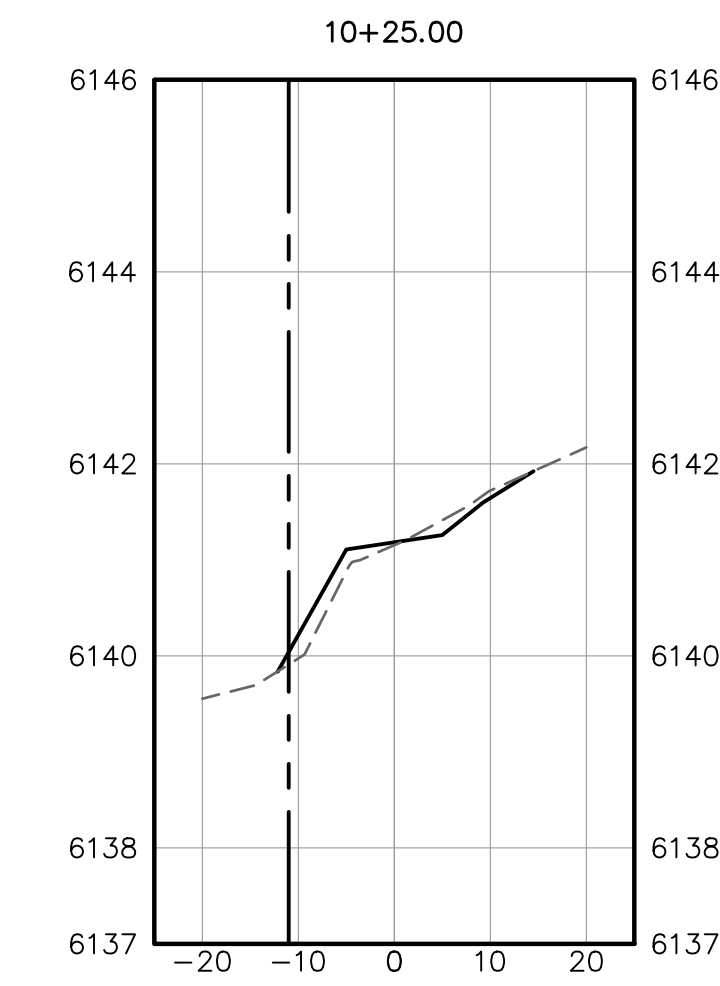
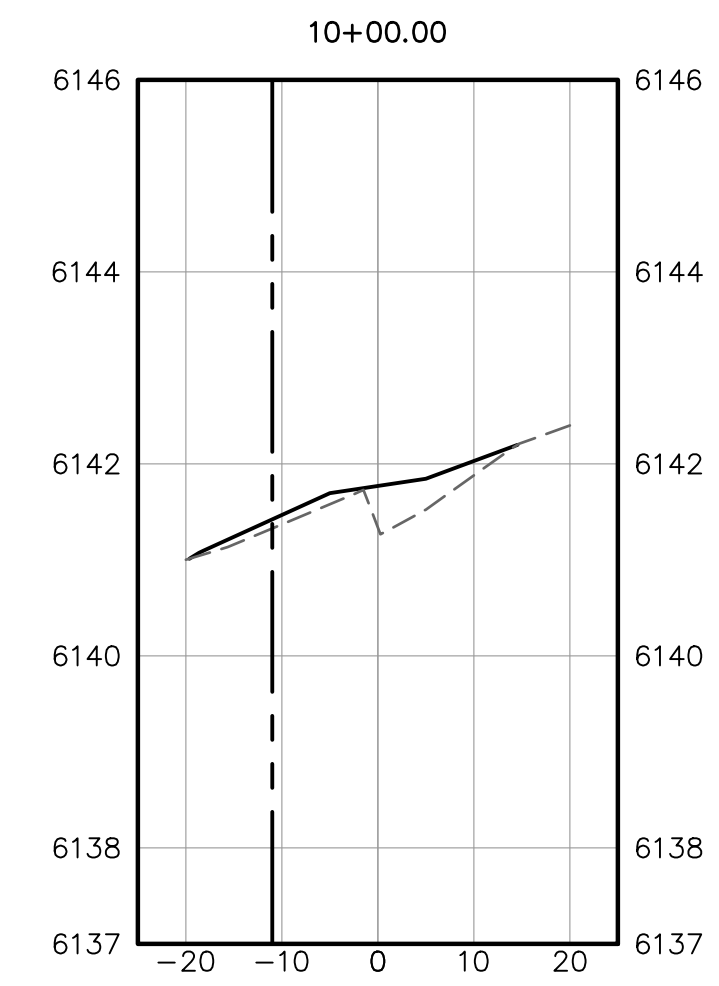
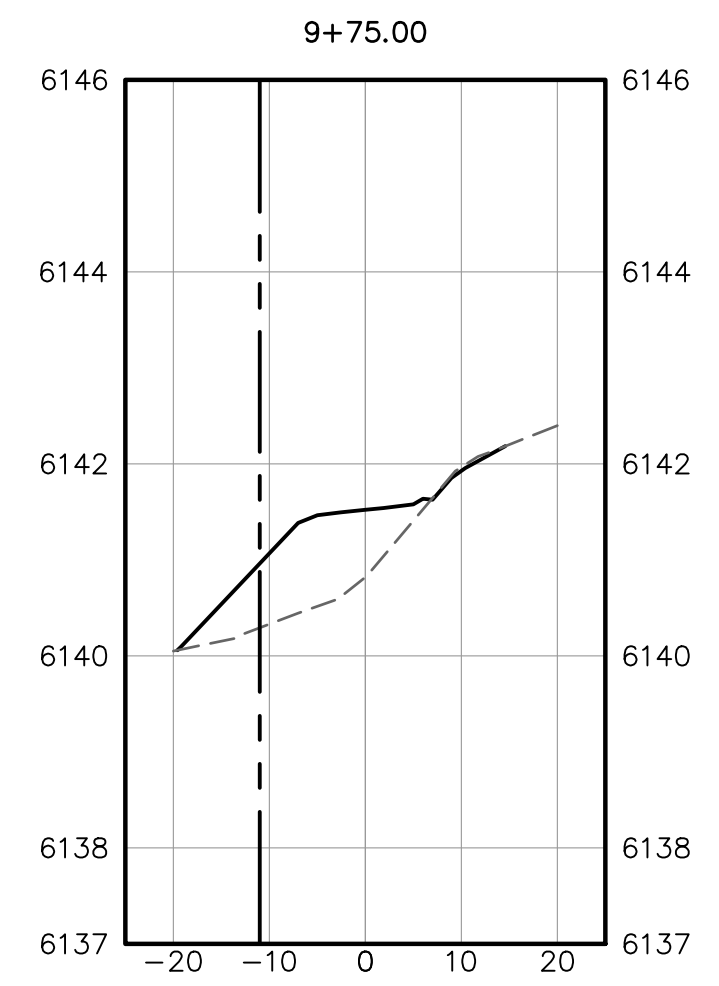
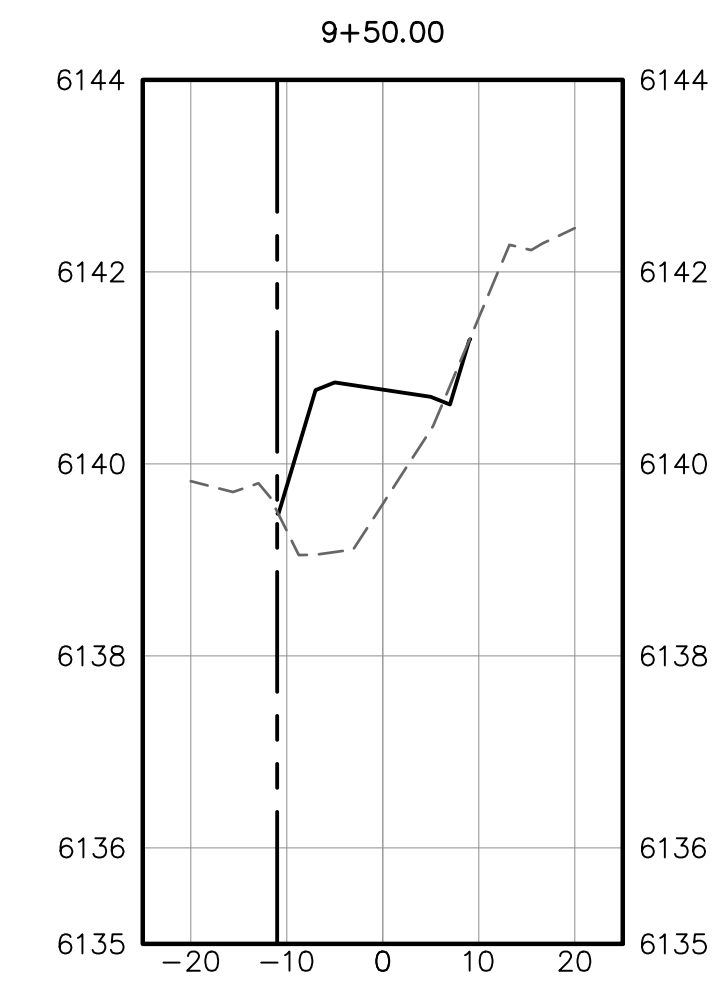
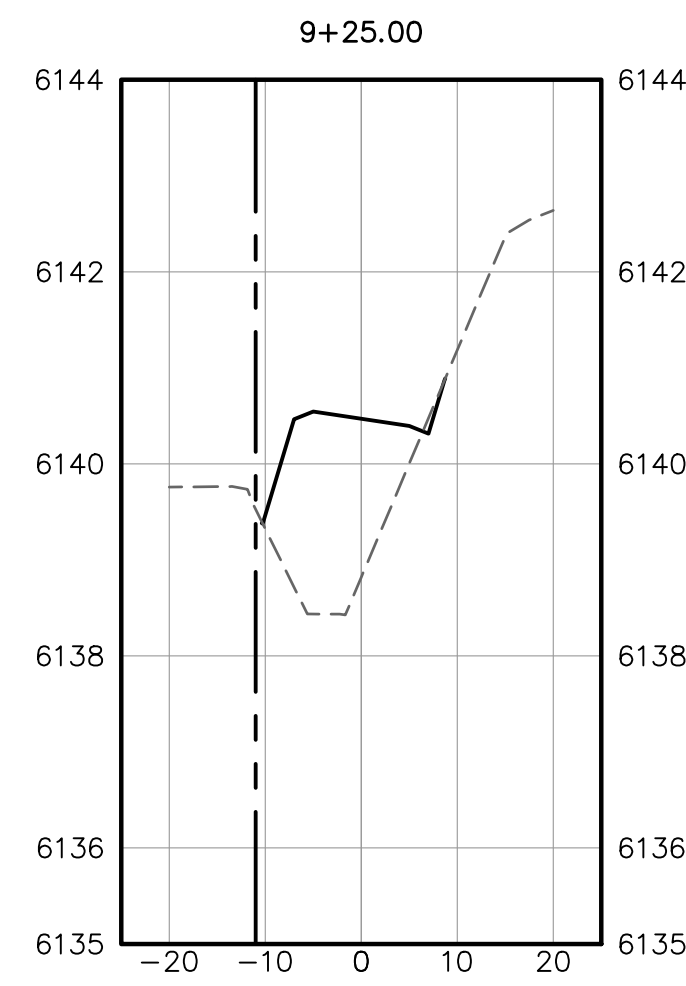
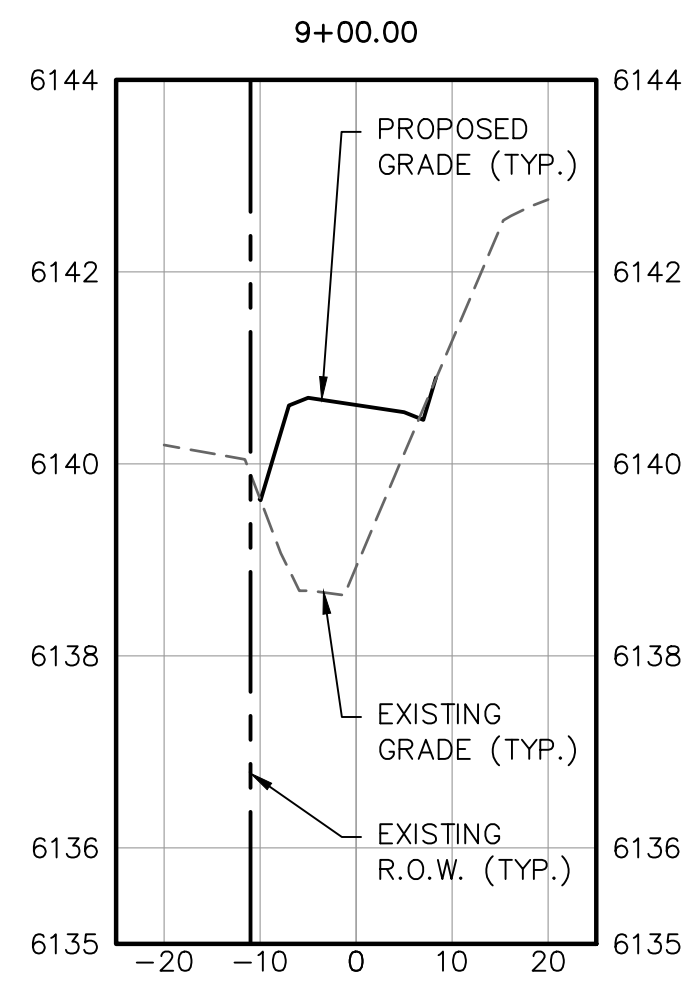
Preliminary
Not for Construction

DATE: 2/12/2024

NO.	REVISIONS:

PROJECT NAME
SH-33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO
PATHWAY CROSS-SECTIONS STATION 4+50 TO 8+75



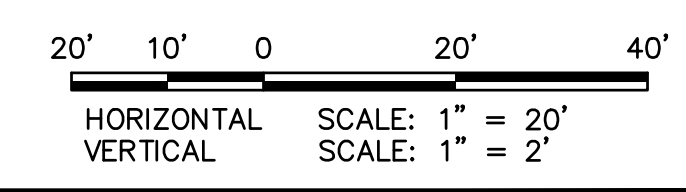


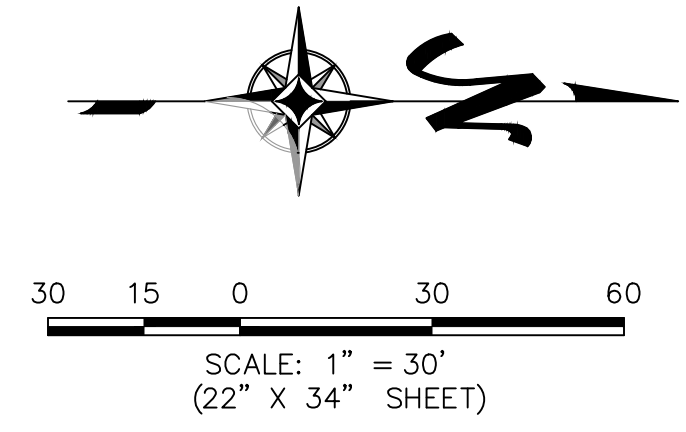
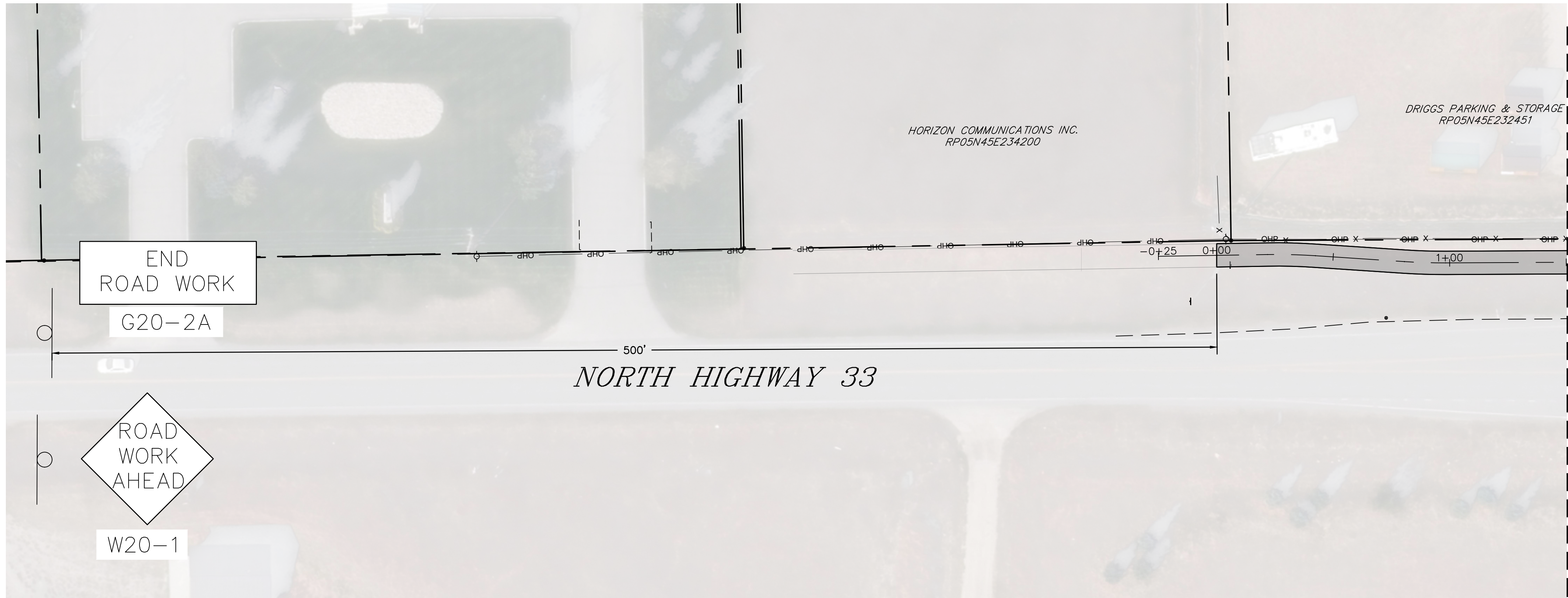
Preliminary
Not for Construction

DATE: 2/12/2024	REVISIONS:

PROJECT NAME
**SH-33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO
PATHWAY CROSS-SECTIONS STATION 9+00 TO 12+75**

SHEET #
C4.3



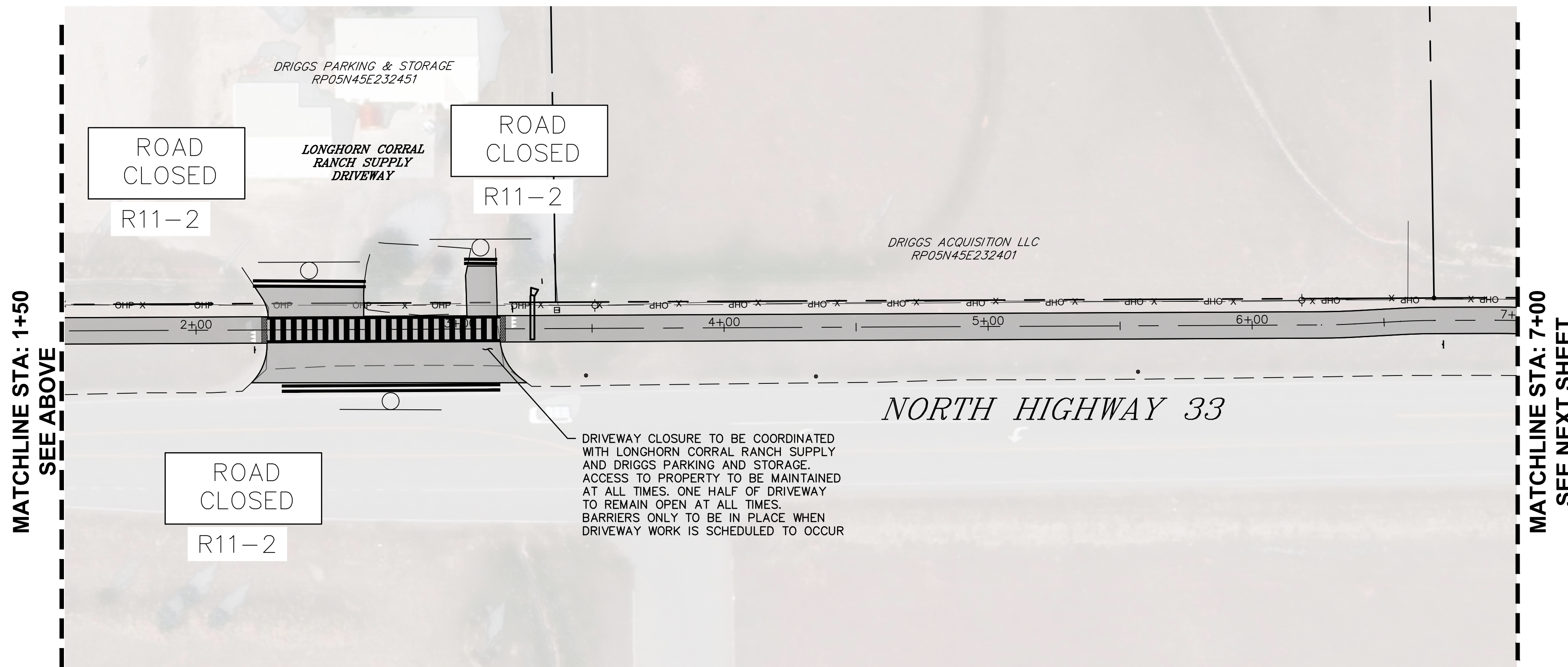


LEGEND

- TYPE 3 BARRICADE
- PROPOSED TCP SIGN
- PROPOSED ASPHALT PAVEMENT

NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE IDAHO TRANSPORTATION DEPARTMENT TRAFFIC MANUAL AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. LHTAC RESIDENT ENGINEER OR THEIR REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM VIEW WHEN NOT IN USE.
4. WORK HOURS SHALL BE RESTRICTED TO THE PERIOD BETWEEN 8:00 A.M. AND 3:30 P.M., MONDAY THROUGH FRIDAY, UNLESS APPROVED OTHERWISE. WHEN NIGHT WORK IS REQUIRED, WORK HOURS SHALL BE 9 P.M. TO 5 A.M., SUNDAY THROUGH THURSDAY.
5. TRENCHES MUST BE BACK FILLED OR PLATED DURING NON-WORKING HOURS.
6. ACCESS TO DRIVEWAYS WILL BE MAINTAINED AT ALL TIMES UNLESS OTHER ARRANGEMENTS ARE MADE.
7. THE CONTRACTOR SHALL REPLACE WITHIN 24 HOURS, ALL STRIPING REMOVED OR DAMAGED BY CONSTRUCTION WORK. (STRIPING MAY BE REPLACED TEMPORARILY WITH TAPE.)
8. ALL WORKERS SHALL BE EQUIPPED WITH AN ORANGE VEST (OR A REFLECTIVE VEST AT NIGHT). ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A HARD HAT, C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
9. ANY WORK THAT DISTURBS NORMAL TRAFFIC SIGNAL OPERATIONS SHALL BE COORDINATED WITH THE CITY OF DRIGGS, 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
10. THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES 24 HOURS PER DAY AND 7 DAYS PER WEEK.
11. A MINIMUM OF TWELVE (12) FOOT TRAVEL LANES MUST BE MAINTAINED UNLESS OTHERWISE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS.
12. ALL NIGHT WORK WILL REQUIRE WRITTEN APPROVAL FROM THE IDAHO DEPARTMENT OF TRANSPORTATION. LANE CLOSURES, ROAD DETOURS, ROAD CLOSURES, AND TRAFFIC SIGNAL MODIFICATIONS ASSOCIATED WITH OVERNIGHT CONSTRUCTION ACTIVITIES WILL REQUIRE WARNING SIGNS BE PLACED AT LEAST ONE WEEK IN ADVANCE OF STARTING CONSTRUCTION.

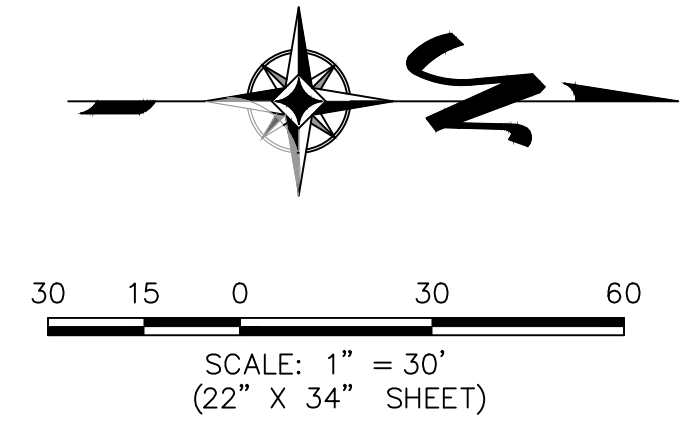


DRIVEWAY CLOSURE TO BE COORDINATED WITH LONGHORN CORRAL RANCH SUPPLY AND DRIGGS PARKING AND STORAGE. ACCESS TO PROPERTY TO BE MAINTAINED AT ALL TIMES. ONE HALF OF DRIVEWAY TO REMAIN OPEN AT ALL TIMES. BARRIERS ONLY TO BE IN PLACE WHEN DRIVEWAY WORK IS SCHEDULED TO OCCUR

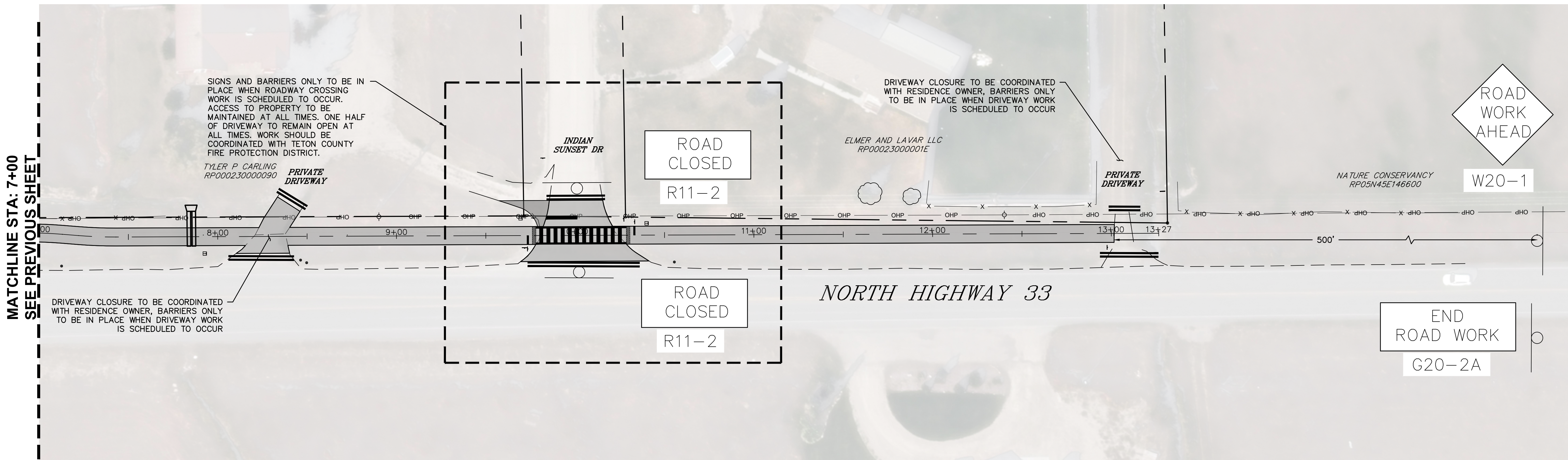
Preliminary
 Not for Construction

DATE:	REVISIONS:
2/12/2024	

PROJECT NAME
SH-33 MULTI-MODAL PATHWAY
TETON COUNTY, IDAHO
 PATHWAY TRAFFIC CONTROL PLAN



DATE:	REVISIONS:
2/12/2024	



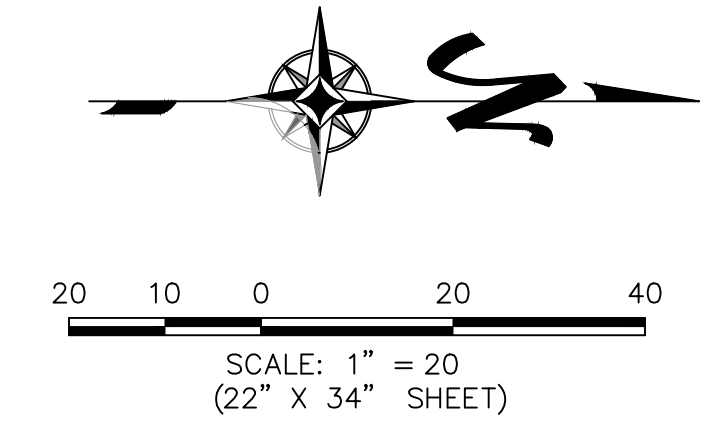
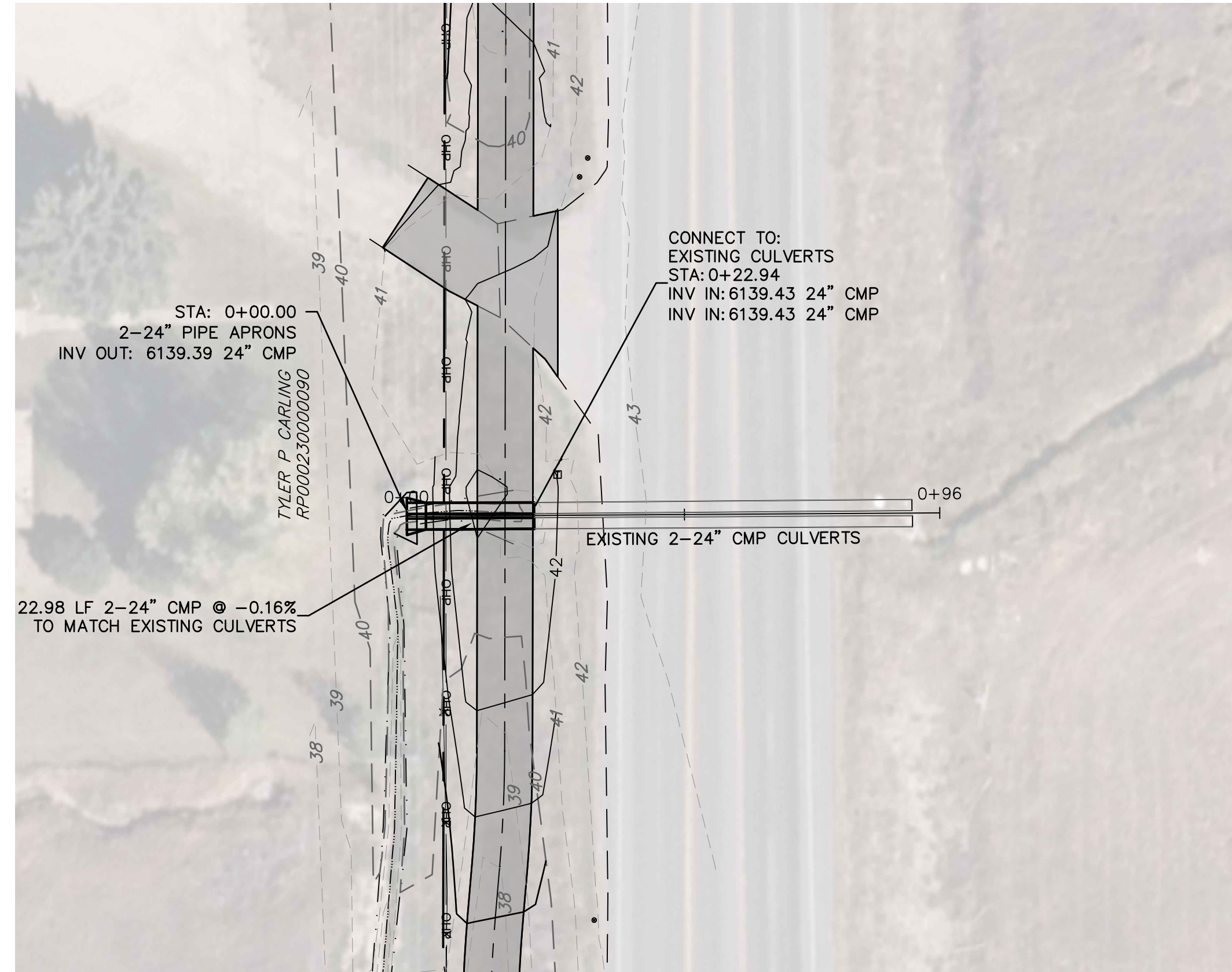
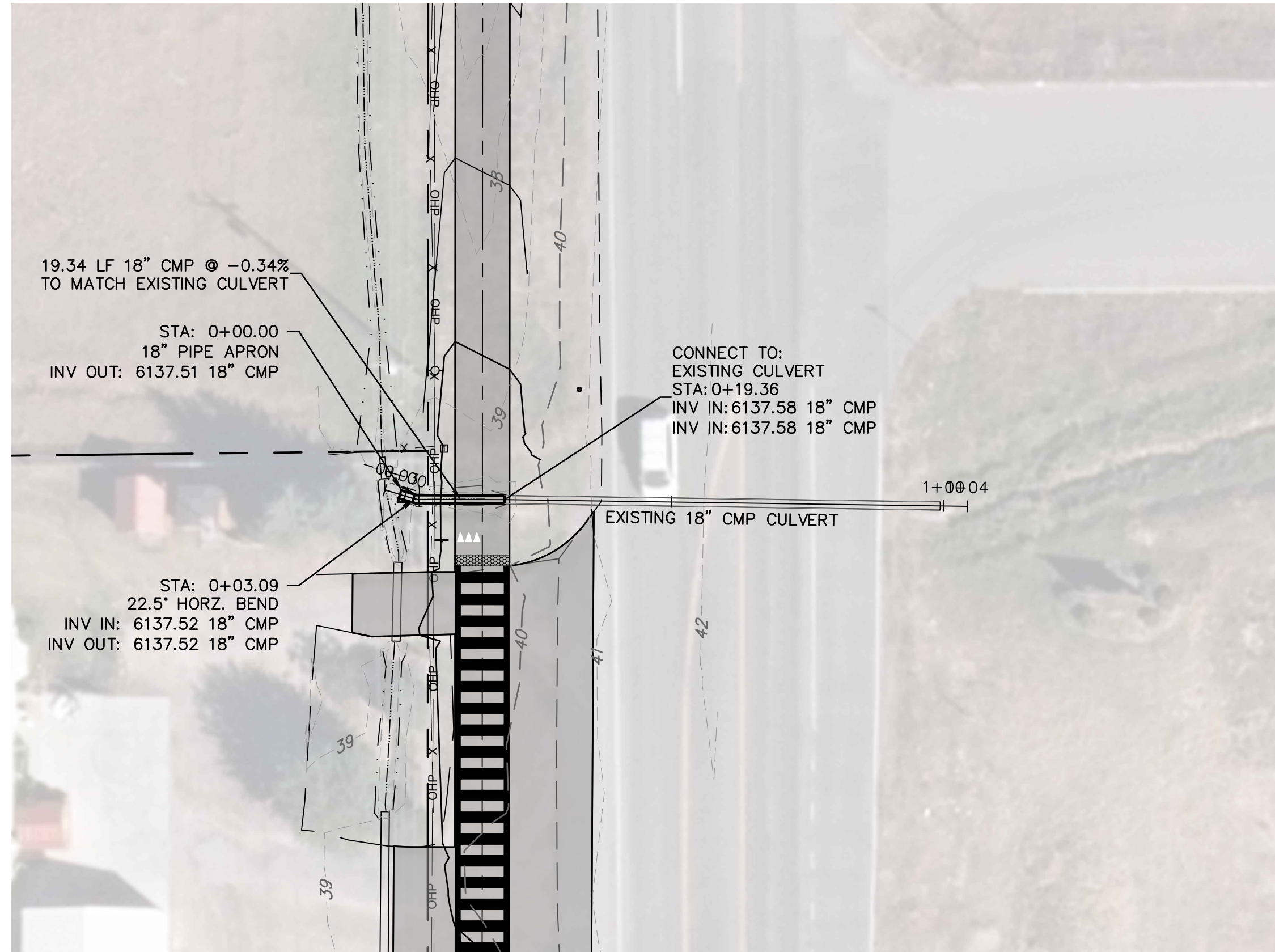
MATCHLINE STA: 7+00
SEE PREVIOUS SHEET

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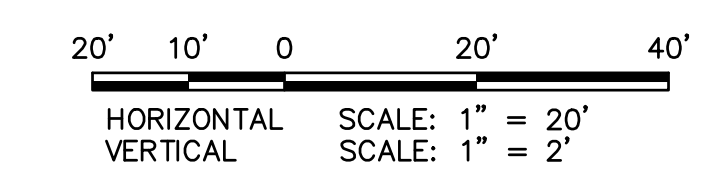
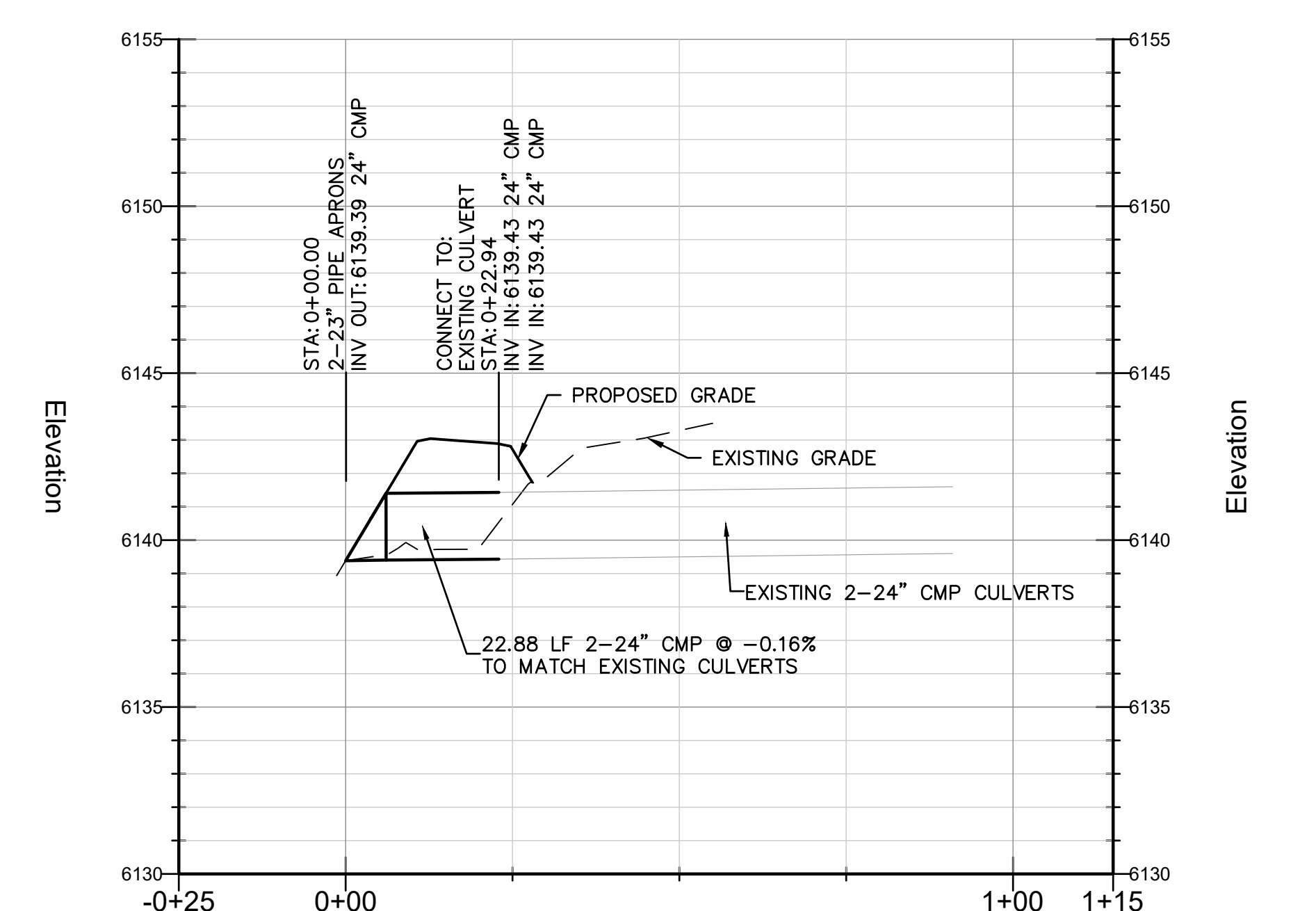
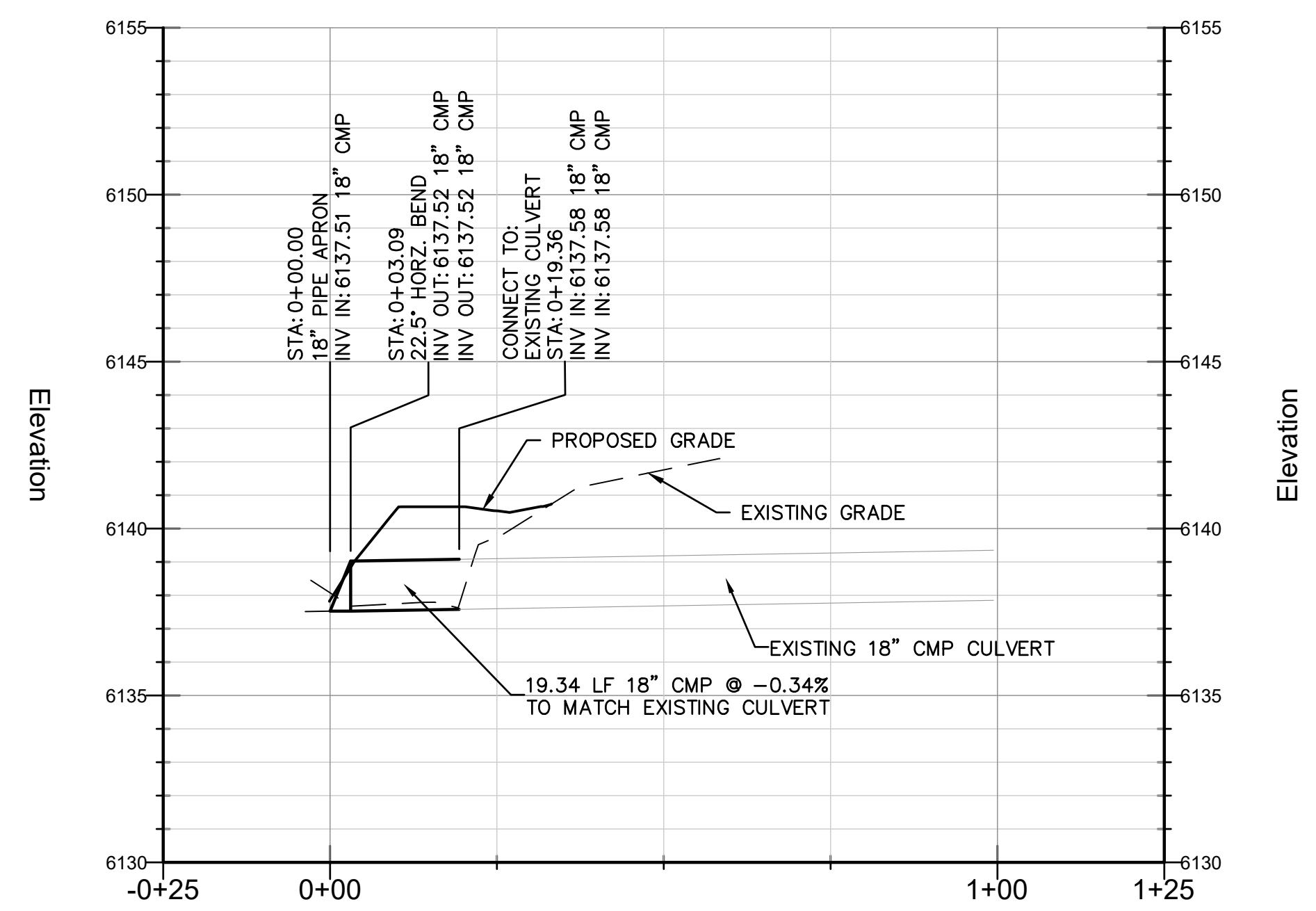
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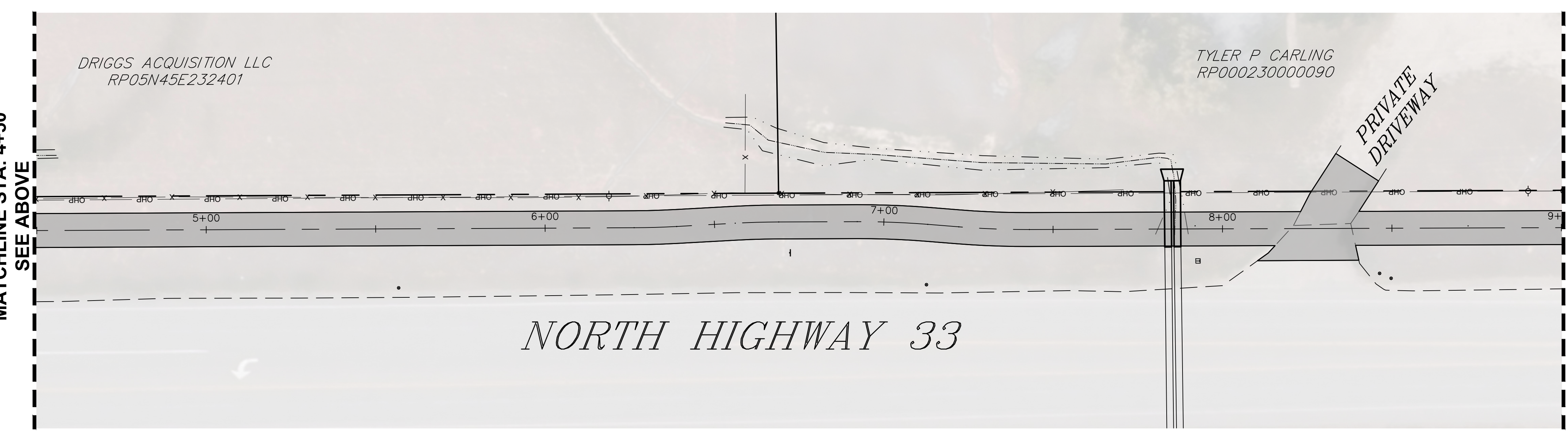
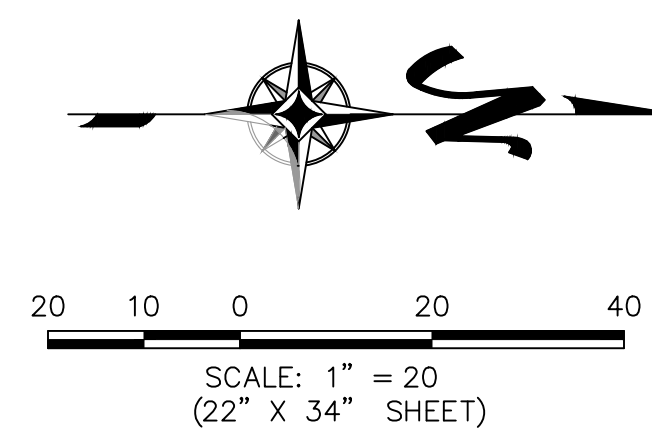
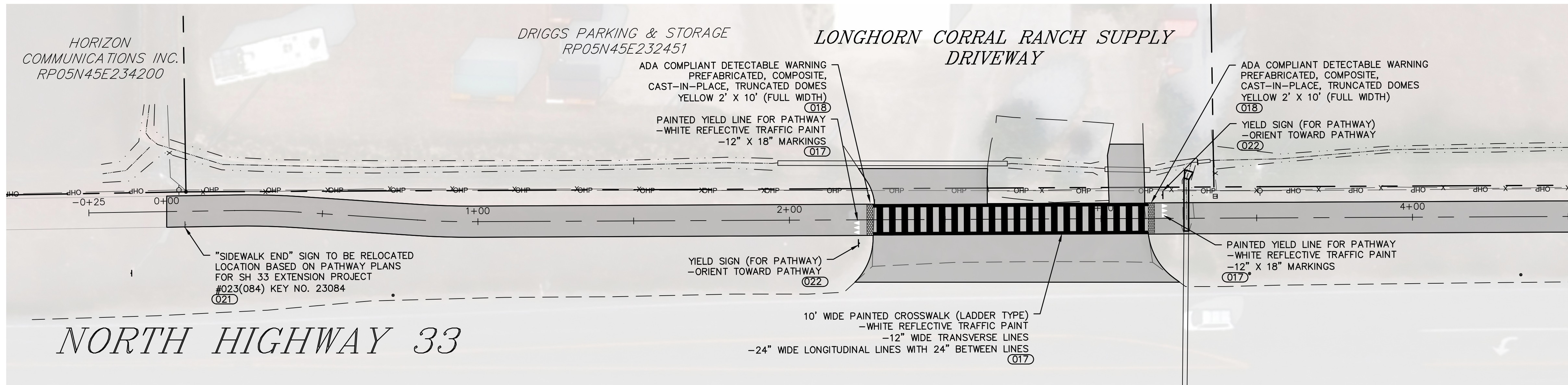
LEGEND

- TYPE 3 BARRICADE
- PROPOSED TCP SIGN
- PROPOSED ASPHALT PAVEMENT



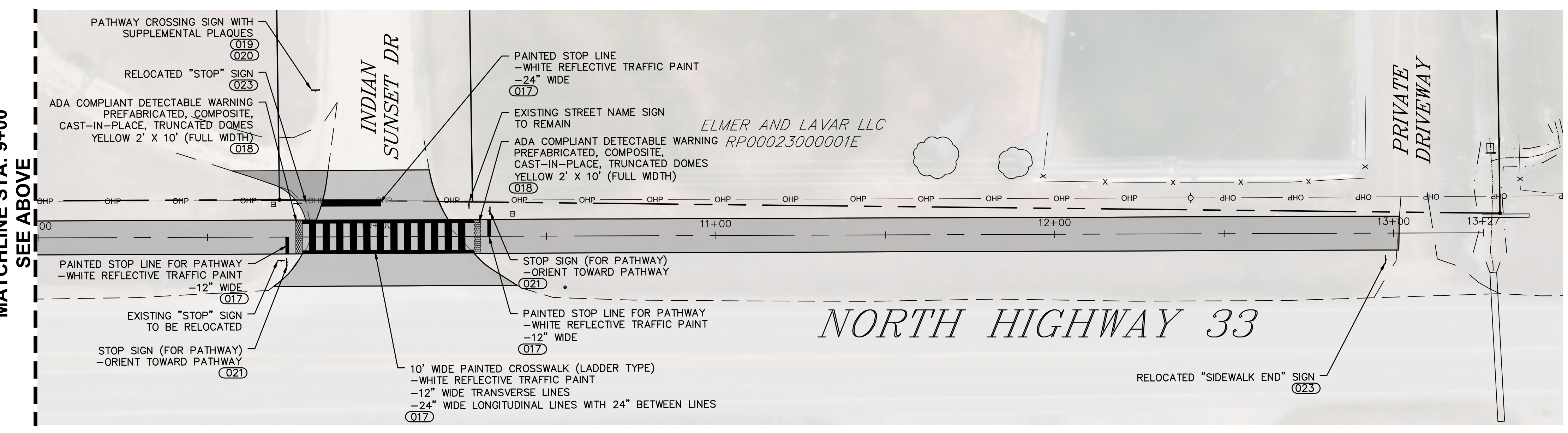
DATE:	REVISIONS:
2/12/2024	





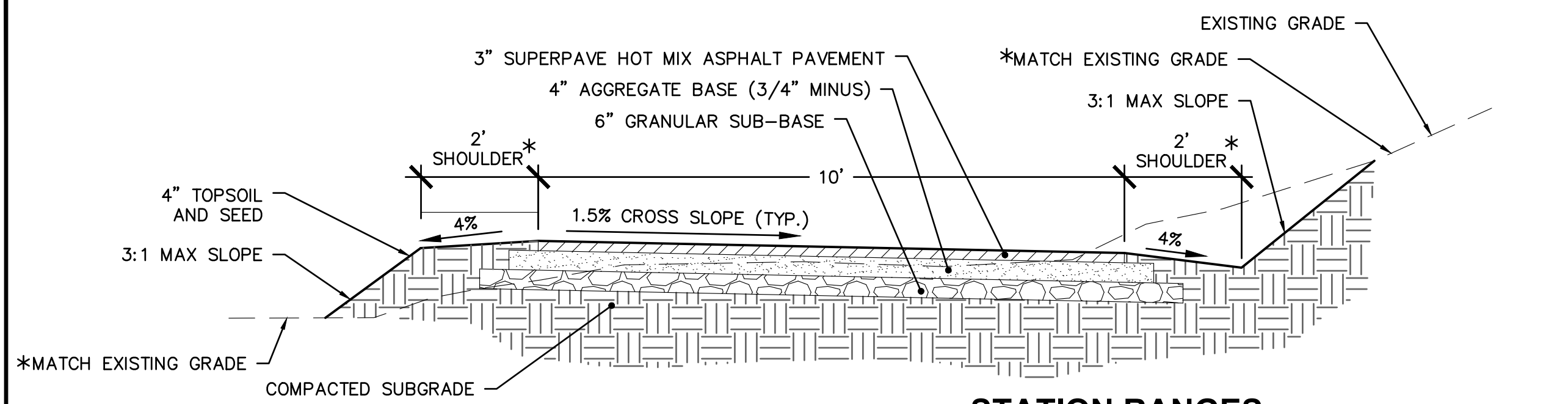
QUANTITIES

017	PAINTED PAVEMENT MARKINGS
STA: 02+23.61 - 18" YIELD BAR, 2.25 SF	
STA: 03+21.45 - 18" YIELD BAR, 2.25 SF	
STA: 02+26.86 - 03+15.20, CROSSWALK STRIPING, 531 SF	
STA: 09+73.52 - 12" STOP BAR, 5 SF	
STA: 10+33.13 - 12" STOP BAR, 5 SF	
STA: 09+78.02 - 10+28.63, CROSSWALK STRIPING, 295 SF	
STA: 09+83.71 - 10+01.18, 24" STOP BAR, 35 SF	
018	FULL WIDTH ADA COMPLIANT DETECTABLE WARNING SURFACE, TRUNCATED DOMES
STA: 02+25.86, 1 EA.	
STA: 03+16.20, 1 EA.	
STA: 09+77.02, 1 EA.	
STA: 10+29.63, 1 EA.	
019	W11-15 BIKE AND PED. WARNING SIGN WITH BREAKAWAY POST TYPE E
STA: 09+82.04, OFFSET: 43.13' (L), 1 EA.	
020	W11-15P TRAIL CROSSING SIGNS
STA: 09+82.04, OFFSET: 43.13' (L), 1 EA.	
021	R1-1 18"x18" STOP SIGN WITH BREAKAWAY POST TYPE E
STA: 09+73.52, OFFSET: 8' (R), 1 EA.	
STA: 10+33.13, OFFSET: 8' (L), 1 EA.	
022	R1-2 18"x18" YIELD SIGN WITH BREAKAWAY POST TYPE E
STA: 02+25.86, OFFSET: 8' (R), 1 EA.	
STA: 03+16.20, OFFSET: 8' (L), 1 EA.	
023	SIGN REMOVAL AND RELOCATION
STA: 09+76.67, OFFSET: 9.65' (R), 1 EA.	
STA: 12+97.83, OFFSET: 8' (R), 1 EA.	



DATE: 2/12/2024

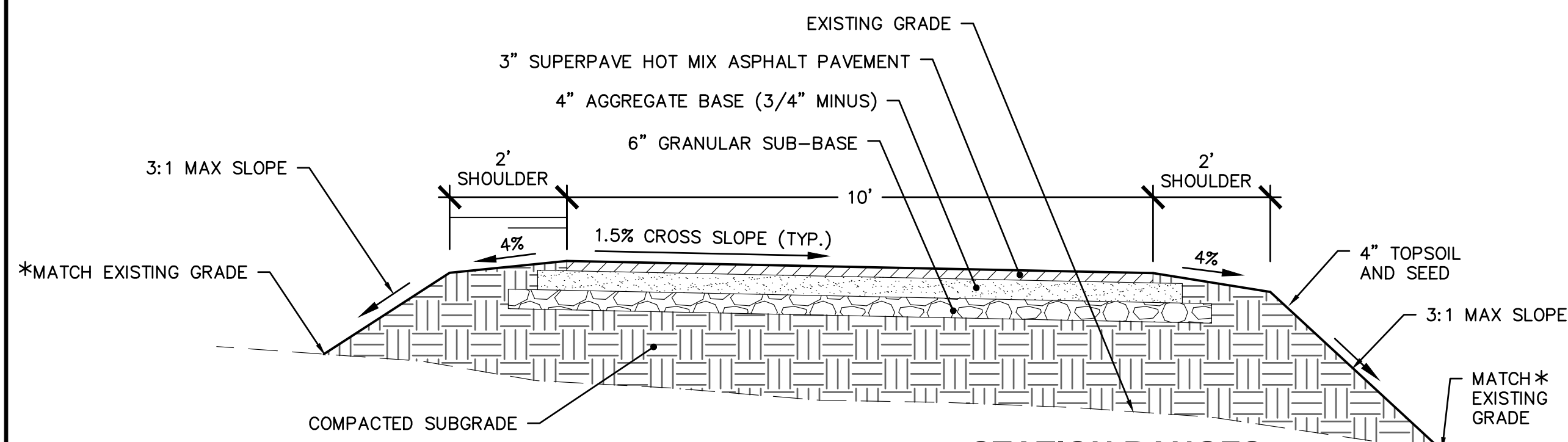
REVISIONS:



* MINIMIZE DISTURBANCE OF EXISTING VEGETATION ON EITHER SIDE OF THE PROPOSED PATHWAY. IN AREAS OF EXISTING TURFGRASS LAWN THE CONTRACTOR SHALL REPLACE ANY LAWN DISTURBED BY CONSTRUCTION ACTIVITIES WITH NEW SOD. IN AREAS OF EXISTING NATIVE VEGETATION THE CONTRACTOR SHALL HYDROSEED DISTURBED AREAS WITH A DROUGHT TOLERANT NATIVE SEED MIXTURE AND HYDRO MULCH.

STATION RANGES
STA: 00+25.00 - 02+01.86
STA: 03+40.20 - 07+90.50
STA: 08+64.24 - 09+53.02
STA: 10+53.63 - 13+01.61

1
TYPICAL PATHWAY X-SECTION
(CUT SITUATION)
 C8.1 NOT TO SCALE



* MINIMIZE DISTURBANCE OF EXISTING VEGETATION ON EITHER SIDE OF THE PROPOSED PATHWAY. IN AREAS OF EXISTING TURFGRASS LAWN THE CONTRACTOR SHALL REPLACE ANY LAWN DISTURBED BY CONSTRUCTION ACTIVITIES WITH NEW SOD UP TO THE EDGE OF THE ASPHALT. IN AREAS OF EXISTING NATIVE VEGETATION THE CONTRACTOR SHALL HYDROSEED DISTURBED AREAS WITH A DROUGHT TOLERANT NATIVE SEED MIXTURE AND HYDRO MULCH.

STATION RANGES
STA: 00+25.00 - 02+01.86
STA: 03+40.20 - 07+90.50
STA: 08+64.24 - 09+53.02
STA: 10+53.63 - 13+01.61

2
TYPICAL PATHWAY X-SECTION
(FILL SITUATION)
 C8.1 NOT TO SCALE

STORMWATER POLLUTION PREVENTION NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH PUBLISHED EROSION CONTROL AND SEDIMENT GUIDELINES FOR IDAHO.
2. IF REQUIRED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A NPDES PERMIT, INCLUDING PREPARING A SWPPP AND FILING A NOTICE OF INTENT (NOI) WITH IDAHO DEQ, AT LEAST 14 DAYS PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES.
3. SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND SHALL BE CONSTRUCTED PRIOR TO AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE BALANCE OF THE SITE.
4. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE THAT THE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
5. ALL POINTS OF CONSTRUCTION INGRESS OR EGRESS SHALL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS. THE CONTRACTOR SHALL SWEEP OR OTHERWISE CLEAN ALL DEBRIS GENERATED FROM CONSTRUCTION ACTIVITIES FROM ADJACENT ROADWAYS AS IT ACCUMULATES AND AT THE END OF EACH WORK DAY.
6. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAINAGE SYSTEM (I.E. THROUGH THE USE OF HAY BALES, CATCH BASIN SEDIMENT TRAPS, GRAVEL OR OTHER APPLICABLE METHODS).
7. ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE PROJECT SITE SHALL BE PROTECTED.
8. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
9. ALL STOCK PILES SHALL BE PROTECTED AND LOCATED AWAY FROM EXISTING WATER BODIES & WITHIN THE LIMIT OF WORK.
10. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF-SITE.
11. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY.
12. AN EROSION CONTROL BARRIER SHALL BE INSTALLED AS INDICATED IN THE PLAN PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
13. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT CONTROLS AT THE COMPLETION OF SITE CONSTRUCTION, BUT ONLY WHEN DIRECTED BY THE OWNER'S REPRESENTATIVE.
14. MEANS OF EROSION AND SEDIMENT PROTECTION AS NOTED ON THE DRAWINGS INDICATE THE MINIMUM PROVISIONS NECESSARY. ADDITIONAL MEANS OF PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR CONTINUED OR UNFORESEEN EROSION PROBLEMS, AT NO ADDITIONAL EXPENSE TO THE OWNER.
15. ALL STOCKPILED MATERIALS SHALL BE LOCATED AT LEAST 100-FEET FROM ANY SURFACE WATER. EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF WITHIN 20 DAYS AFTER EXCAVATION.
16. EQUIPMENT, MATERIALS, AND FUEL STORAGE AND REFUELING OPERATIONS SHALL BE SITUATED IN AN UPLAND AREA AT A HORIZONTAL DISTANCE GREATER THAN 100 FEET FROM THE BOUNDARIES OF ANY SURFACE WATER.
17. ALL REQUIRED PERIMETER SILT AND CONSTRUCTION FENCING SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY (STOCKPILING, STRIPPING, GRADING, ETC). ALL OTHER REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE APPROPRIATE TIME IN THE CONSTRUCTION SEQUENCE.

RE-VEGETATION NOTES

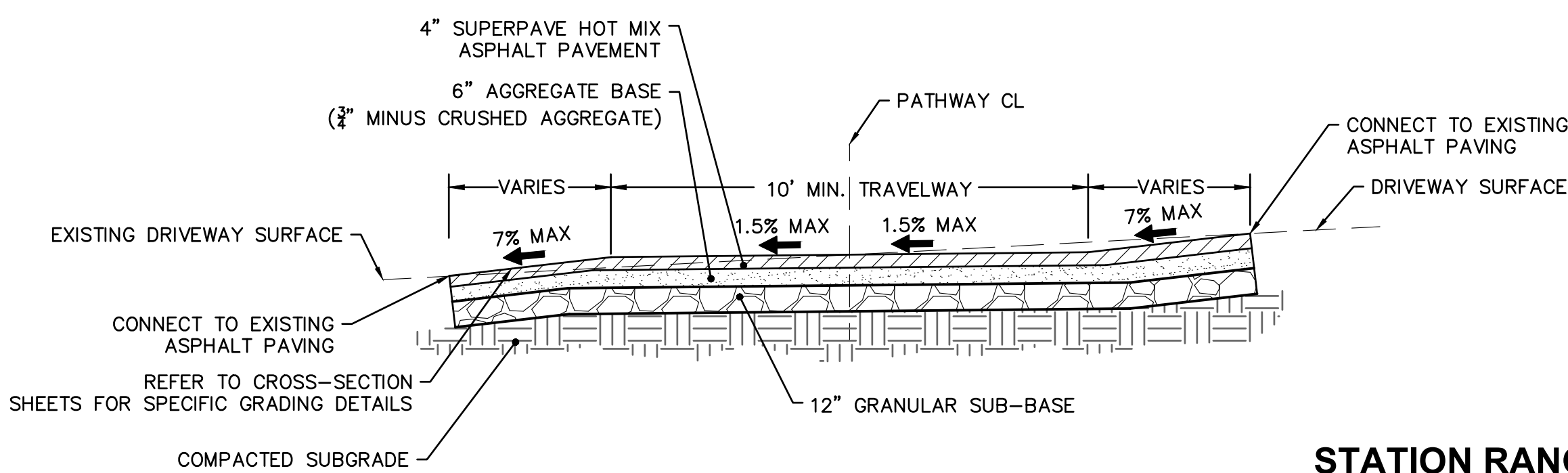
1. ALL DISTURBED AREAS SHALL BE TOPSOIL AND SEEDED AS SOON AS POSSIBLE AFTER CONSTRUCTION IS COMPLETED.
2. PROVIDE A MINIMUM OF 4" OF SCREENED TOPSOIL ON ALL DISTURBED AREAS. SCARIFY AND LOOSEN EXISTING SUBGRADE PRIOR TO PLACING TOPSOIL. TOPSOIL CAN COME FROM SALVAGED AND STOCKPILED NATIVE SURFACE SOILS. TOPSOIL SHALL BE FREE OF ROCKS GREATER THAN 2", ROOTS, PLANTS, SOD, CLODS, CLAY LUMPS, AND DELETERIOUS MATERIALS. SOIL AMENDMENTS ARE NOT REQUIRED.
3. PLANT RECLAMATION AREA SEEDING FROM MAY 1 - JUNE 30 OR AUGUST 15 - SEPTEMBER 15. SEED PLANTED IN OTHER TIMES SHALL HAVE MULCH COVER APPLIED.
4. DO NOT BROADCAST SEED WHEN WIND VELOCITY EXCEEDS 5 MPH. EVENLY DISTRIBUTE SEED BY SOWING EQUAL QUANTITIES IN TWO DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.
5. DO NOT USE SEED THAT IS MOLDY OR OTHERWISE DAMAGED.
6. NEWLY PLANTED AREAS SHALL BE WATERED AND KEPT MOIST UNTIL VEGETATION IS ESTABLISHED.
7. SEED SHALL BE MECHANICALLY BROADCAST AND THEN DRAGGED, PRESSED, RAKED, OR HARROWED INTO THE TOP 1/8 INCH OF SOIL, ROLLED LIGHTLY, AND WATERED WITH A FINE SPRAY.
8. THE FOLLOWING SEED MIX SHALL BE USED:

SHOWY MILKWEED	1 LBS/AC
SILKY LUPINE	4 LBS/AC
ROCKY MOUNTAIN PENSTEMON	5 LBS/AC
GLOBEMALLOW	5 LBS/AC
HOARY TANSY ASTER	5 LBS/AC
CANADA GOLDENROD	3 LBS/AC
RABBITBRUSH	2 LBS/AC

CROSS-SLOPE NOTE

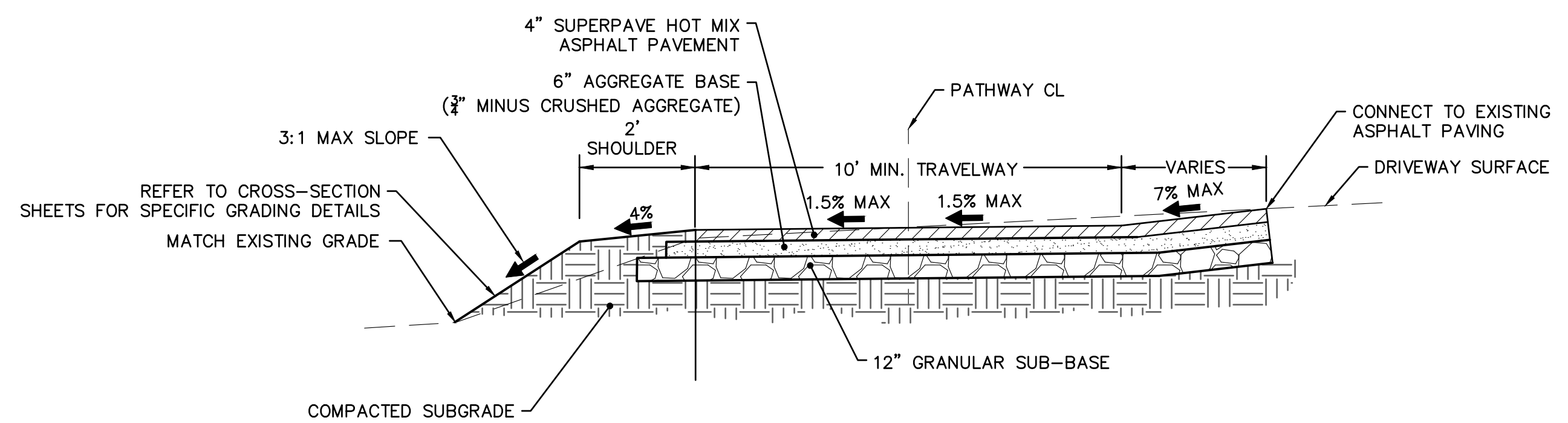
1. THE STATION RANGES BELOW ARE TO BE USED AS A TRANSITIONAL AREA BETWEEN VARYING CROSS SLOPES:

1.1.	00+00.00 - 00+25.00
1.2.	02+01.86 - 02+26.86
1.3.	03+15.20 - 03+40.20
1.4.	07+90.50 - 08+15.50
1.5.	08+39.24 - 08+64.24
1.6.	09+53.02 - 09+78.02
1.7.	10+28.63 - 10+53.63



STATION RANGES
STA: 02+26.86 - 02+63.55
STA: 03+02.63 - 03+15.20
STA: 08+15.50 - 08+39.24
STA: 09+78.02 - 10+28.63

3
TYPICAL PATHWAY X-SECTION
(DRIVEWAY AND ROAD CROSSING)
 C8.1 NOT TO SCALE



STATION RANGES
STA: 02+63.55 - 03+02.63

5
TYPICAL PATHWAY X-SECTION
(DRIVEWAY AND ROAD CROSSING)
 C8.1 NOT TO SCALE

DATE: 2/12/2024	REVISIONS:

1 SILT FENCE (NO WIRE BACKING)

2 SILT FENCE (WIRE BACKING)

3 SILT FENCE LAP DETAIL

NOTES

- SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- THE NEED FOR TEMPORARY SEDIMENT CONTROL DEVICES ARE DETERMINED BY SITE DESIGN. SPACE SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES IN ACCORDANCE WITH THE SILT FENCE SPACING TABLE AND FIBER WATTLE & COMPOST SOCK SPACING TABLE.
- INSTALL TEMPORARY SEDIMENT CONTROL BARRIERS IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS AND SPECIFICATIONS. THE DIMENSIONS SHOWN ARE GENERAL GUIDELINES.
- PLACE SEDIMENT BARRIERS TO FOLLOW THE SLOPE CONTOURS. USE EITHER METAL POSTS OR WOOD STAKES.
- ENSURE RUNOFF PASSES THROUGH THE SILT FENCE AND NOT AROUND THE FENCE.
- GROUND SILT FENCES WITH WIRE MESH IN ACCORDANCE WITH THE WIRING DETAIL SHOWN ON STANDARD DRAWING 610-1.
- EXTEND OR JOIN SILT FENCE USING SILT FENCE LAP WITH NESTED POSTS.
- SPACE CHECK DAMS ACCORDING TO THE HEIGHT OF THE DAM AND THE SLOPE OF THE CHANNEL SO THE BACKWATER FROM THE DOWNSTREAM DAM REACHES THE TOE OF THE UPSLOPE DAM.
- ON SLOPES, TURN THE ENDS OF EACH ROW OF COMPOST SOCKS AND FIBER WATTLES UPSLOPE TO PREVENT RUNOFF FROM FLOWING AROUND THE SOCK OR WATTLE.
- REMOVE SEDIMENT FROM THE UPSLOPE SIDE OF SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE BARRIER.
- DRAWING NOT TO SCALE.

FIBER WATTLE & COMPOST SOCK SPACING TABLE

SLOPE	6"	9"	12"	20"
1:1	5 FT	10 FT	15 FT	20 FT
2:1	10 FT	20 FT	30 FT	40 FT
3:1	15 FT	30 FT	45 FT	60 FT
4:1 OR FLATTER	20 FT	40 FT	60 FT	80 FT

SILT FENCE SPACING TABLE

SLOPE	SILT TYPE	SOIL TYPE
1:1	SILTY CLAYS	100 FT
2:1	SANDY	75 FT
4:1	100 FT	125 FT
4:1 OR FLATTER	125 FT	150 FT
	150 FT	200 FT

COMPOST SOCK AND FIBER WATTLE SIDE VIEW

COMPOST SOCK AND FIBER WATTLE OVERLAPPING DETAIL

COMPOST SOCK AND FIBER WATTLE TEMPORARY CHECK DAM DETAIL

COMPOST SOCK AND FIBER WATTLE ABUTTING DETAIL

COMPOST SOCK AND FIBER WATTLE PLAN VIEW

REVISIONS: 1 09-93 MSM 6 01-13 RDL DATE BY

SCALES SHOWN ARE FOR 11" x 17" PRINTS ONLY

STANDARD DRAWING **English** 13683 RYAN D. LANCASTER

TEMPORARY EROSION AND SEDIMENT CONTROL SILT FENCE, FIBER WATTLE, AND COMPOST SOCK

212-3

REQUIRES STD. DWG. 212-1

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN DESIGN/TRAFFIC SERVICES ENGINEER

PROFESSIONAL ENGINEER LICENSED 13683 RYAN D. LANCASTER STATE OF IDAHO

1 TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS

CB.2 NOT TO SCALE

1 STABILIZED CONSTRUCTION ENTRANCE

2 PERPENDICULAR TO HIGHWAY

3 BALLAST DETAIL

4 VEHICLE AND EQUIPMENT WASHDOWN

NOTES

- SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- DRAWING NOT TO SCALE.

REVISIONS: 1 03-21 TW

SCALES SHOWN ARE FOR 11" x 17" PRINTS ONLY

STANDARD DRAWING **English** 13683 RYAN D. LANCASTER

TEMPORARY EROSION AND SEDIMENT CONTROL STABILIZED CONSTRUCTION ENTRANCE AND VEHICLE WASHDOWN

212-6

REQUIRES STD. DWG. 212-1

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN DESIGN/TRAFFIC SERVICES ENGINEER

PROFESSIONAL ENGINEER LICENSED 13683 RYAN D. LANCASTER STATE OF IDAHO

2 TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS

CB.2 NOT TO SCALE

1 ANNULAR COUPLING BAND

2 HUGGER COUPLING BAND

3 SINGLE PIECE BAND

4 ANNULAR CMP

5 HELICAL CMP

6 REFORMED HELICAL CMP

NOTES

- THE REFORMED ENDS OF HELICAL CORRUGATED METAL PIPE MADE TO ACCEPT ANNULAR COUPLING BANDS SHALL BE UNIFORM AND SMOOTH IN APPEARANCE. PIPE WITH IRREGULAR REFORMED ENDS ARE NOT ACCEPTABLE.
- SLEEVE AND STRIP GASKETS FOR COUPLING BANDS TYPE 1-A AND 1-B SHALL EXCEED THE WIDTH OF THE BAND BY A MINIMUM OF 1/2" ON BOTH EDGES. THE GASKETS SHALL FIT SNUGGLY AROUND THE PIPES PRIOR TO INSTALLATION OF THE BAND.
- ALL WELDS AND/OR EXPOSED FERROUS METAL ON COUPLING BANDS AND BAND CONNECTING HARDWARE SHALL BE REPAIRED IN ACCORDANCE WITH AASHTO M 36.
- STEEL BAND THICKNESS SHALL BE AT LEAST 1/2 THE THICKNESS OR GAUGE OF THE PIPE. ALUMINUM BANDS SHALL BE THE SAME THICKNESS AS THE PIPE.
- THE JOINTS FOR SIPHONS AND SEWERS SHALL BE WATERTIGHT AND PRESSURE TESTED PRIOR TO ACCEPTANCE, AS REQUIRED IN THE STANDARD SPECIFICATIONS.
- TO PREVENT GALVANIC ACTION WHEN BANDS AND PIPES ARE OF AN UNLIKE METAL, THE BANDS SHALL BE ASPHALT COATED.
- GASKET MATERIALS ARE NOT TO BE ALTERED, SEWN, OR PATCHED. THE USE OF SEALANTS AND/OR LUBRICANTS WITH BAND GASKETS MUST BE AS THE MANUFACTURER SPECIFIES. THE QUALITY AND CHEMICAL COMPOSITION OF SEALANTS AND LUBRICANTS WILL BE AS THE MANUFACTURER REQUIRES. CONTACT THE MANUFACTURER FOR DETAILS.
- SPOT WELDED OR FILLET WELDED STRAPS ON BANDS SHALL BE OF EQUAL STRENGTH TO RIVETED STRAPS.
- ALL RECOMMENDATIONS IN THE PIPE COUPLING BAND TABLE ARE TO BE CONSIDERED MINIMAL.
- NOT TO SCALE.

PIPE COUPLING BAND TABLE

COUPLING TYPE	CORRUGATIONS	PIPE SIZE	COUPLING WIDTH	COUPLING BOLTS (NO.) DIA.	GASKET TYPE	PIPE CORRUGATION STYLE			SIPHON	CULVERT	REVERT	UNDERDRAIN
						ANNULAR	REFORMED HELICAL	HELICAL PIPE				
TYPE 1-A ANNULAR COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(3) 3/8"	SLEEVE	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(3) 1/2"	SLEEVE	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(3) 1/2"	SLEEVE	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(5) 3/8"	SLEEVE	X	X	X	X	X	X	X
TYPE 1-B HELICAL COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(3) 3/8"	SLEEVE OR STRIP	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(3) 1/2"	SLEEVE OR STRIP	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(3) 1/2"	SLEEVE OR STRIP	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(5) 3/8"	SLEEVE OR STRIP	X	X	X	X	X	X	X
TYPE 2-A ANNULAR COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(6) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(8) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
TYPE 2-B HELICAL COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(6) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(8) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
TYPE 3 HUGGER COUPLING BAND	2 3/8" x 1/2" & 3" x 1"	12"-48" (GALV.)	7 1/2" (STRAP)	(2) 8" x 1/2"	C-RING	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	54"-96" (GALV.)	10 1/2" (2 STRAP)	(4) 6" x 3/8"	C-RING	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	102"-144" (GALV.)	12" (3 STRAP)	(6) 6" x 3/8"	C-RING	X	X	X	X	X	X	X

WATERTIGHT BANDS ARE NOT REQUIRED ON CULVERT INSTALLATIONS UNLESS SPECIFIED BY THE PLANS OR SPECIAL PROVISIONS

REVISIONS: 1 02-76 6 03-05 MSM

SCALES SHOWN ARE FOR 11" x 17" PRINTS ONLY

STANDARD DRAWING **English** 2240 WILFORD MILLER

CORRUGATED METAL PIPE WATERTIGHT COUPLING BANDS

706-6

BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

ORIGINAL SIGNED BY: STEVEN HUTCHINSON CHIEF ENGINEER

PROFESSIONAL ENGINEER LICENSED 2240 WILFORD MILLER STATE OF IDAHO

3 CORRUGATED METAL PIPE WATERTIGHT COUPLING BANDS

CB.2 NOT TO SCALE

1 ANNULAR COUPLING BAND

2 HUGGER COUPLING BAND

3 SINGLE PIECE BAND

4 ANNULAR CMP

5 HELICAL CMP

6 REFORMED HELICAL CMP

NOTES

- THE REFORMED ENDS OF HELICAL CORRUGATED METAL PIPE MADE TO ACCEPT ANNULAR COUPLING BANDS SHALL BE UNIFORM AND SMOOTH IN APPEARANCE. PIPE WITH IRREGULAR REFORMED ENDS ARE NOT ACCEPTABLE.
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- THE JOINTS FOR SIPHONS AND SEWERS SHALL BE WATERTIGHT AND PRESSURE TESTED PRIOR TO ACCEPTANCE, AS REQUIRED IN THE STANDARD SPECIFICATIONS.
- TO PREVENT GALVANIC ACTION WHEN BANDS AND PIPES ARE OF AN UNLIKE METAL, THE BANDS SHALL BE ASPHALT COATED.
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- SPOT WELDED OR FILLET WELDED STRAPS ON BANDS SHALL BE OF EQUAL STRENGTH TO RIVETED STRAPS.
- ALL RECOMMENDATIONS IN THE PIPE COUPLING BAND TABLE ARE TO BE CONSIDERED MINIMAL.
- NOT TO SCALE.

PIPE COUPLING BAND TABLE

COUPLING TYPE	CORRUGATIONS	PIPE SIZE	COUPLING WIDTH	COUPLING BOLTS (NO.) DIA.	GASKET TYPE	PIPE CORRUGATION STYLE			SIPHON	CULVERT	REVERT	UNDERDRAIN
						ANNULAR	REFORMED HELICAL	HELICAL PIPE				
TYPE 1-A ANNULAR COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(3) 3/8"	SLEEVE	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(3) 1/2"	SLEEVE	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(3) 1/2"	SLEEVE	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(5) 3/8"	SLEEVE	X	X	X	X	X	X	X
TYPE 1-B HELICAL COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(3) 3/8"	SLEEVE OR STRIP	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(3) 1/2"	SLEEVE OR STRIP	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(3) 1/2"	SLEEVE OR STRIP	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(5) 3/8"	SLEEVE OR STRIP	X	X	X	X	X	X	X
TYPE 2-A ANNULAR COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(6) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(8) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
TYPE 2-B HELICAL COUPLING BAND	1/2" x 1/4" & 2 3/8" x 1/2"	6"-10"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	12"-15"	7" (1 PIECE)	(4) 3/8"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	18"-24"	12" (1 PIECE)	(6) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	30"-42"	24" (1 PIECE)	(8) 1/2"	SLEEVE, STRIP OR MASTIC	X	X	X	X	X	X	X
TYPE 3 HUGGER COUPLING BAND	2 3/8" x 1/2" & 3" x 1"	12"-48" (GALV.)	7 1/2" (STRAP)	(2) 8" x 1/2"	C-RING	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	54"-96" (GALV.)	10 1/2" (2 STRAP)	(4) 6" x 3/8"	C-RING	X	X	X	X	X	X	X
	2 3/8" x 1/2" & 3" x 1"	102"-144" (GALV.)	12" (3 STRAP)	(6) 6" x 3/8"	C-RING	X	X	X	X	X	X	X

WATERTIGHT BANDS ARE NOT REQUIRED ON CULVERT INSTALLATIONS UNLESS SPECIFIED BY THE PLANS OR SPECIAL PROVISIONS

REVISIONS: 1 02-76 6 03-05 MSM

SCALES SHOWN ARE FOR 11" x 17" PRINTS ONLY

STANDARD DRAWING **English** 2240 WILFORD MILLER

CORRUGATED METAL PIPE WATERTIGHT COUPLING BANDS

706-6

BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

ORIGINAL SIGNED BY: STEVEN HUTCHINSON CHIEF ENGINEER

PROFESSIONAL ENGINEER LICENSED 2240 WILFORD MILLER STATE OF IDAHO

4 CORRUGATED METAL PIPE WATERTIGHT COUPLING BANDS

CB.2 NOT TO SCALE

HARMONY DESIGN & ENGINEERING

18 N MAIN STE 305 • DRIGGS ID 83422

208.354.1331 • www.harmonydesigninc.com

DATE: 2/12/2024

PROJ. #: 23108_CVR.dwg

PROJ. #: 23108

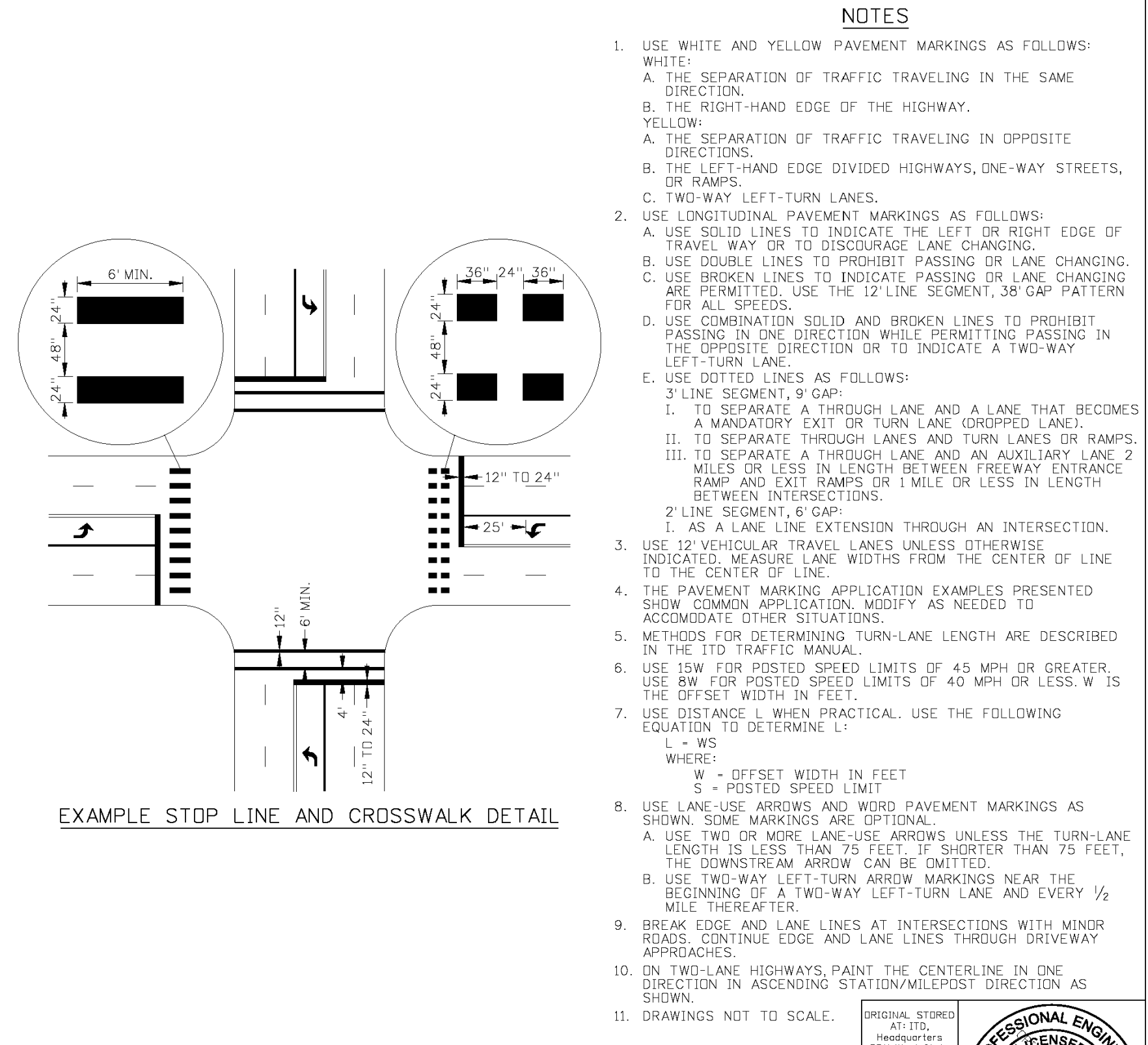
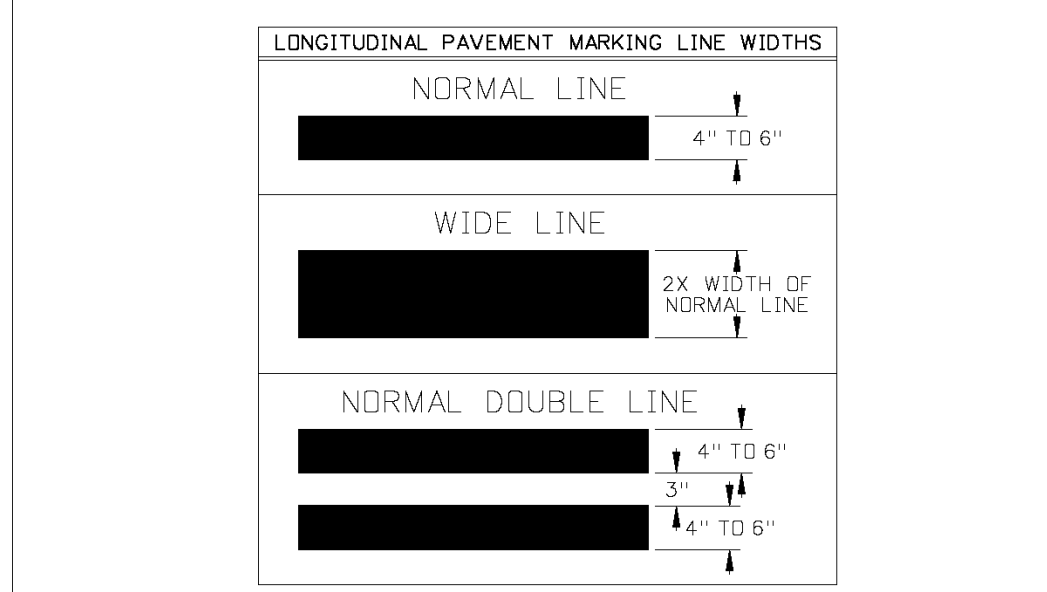
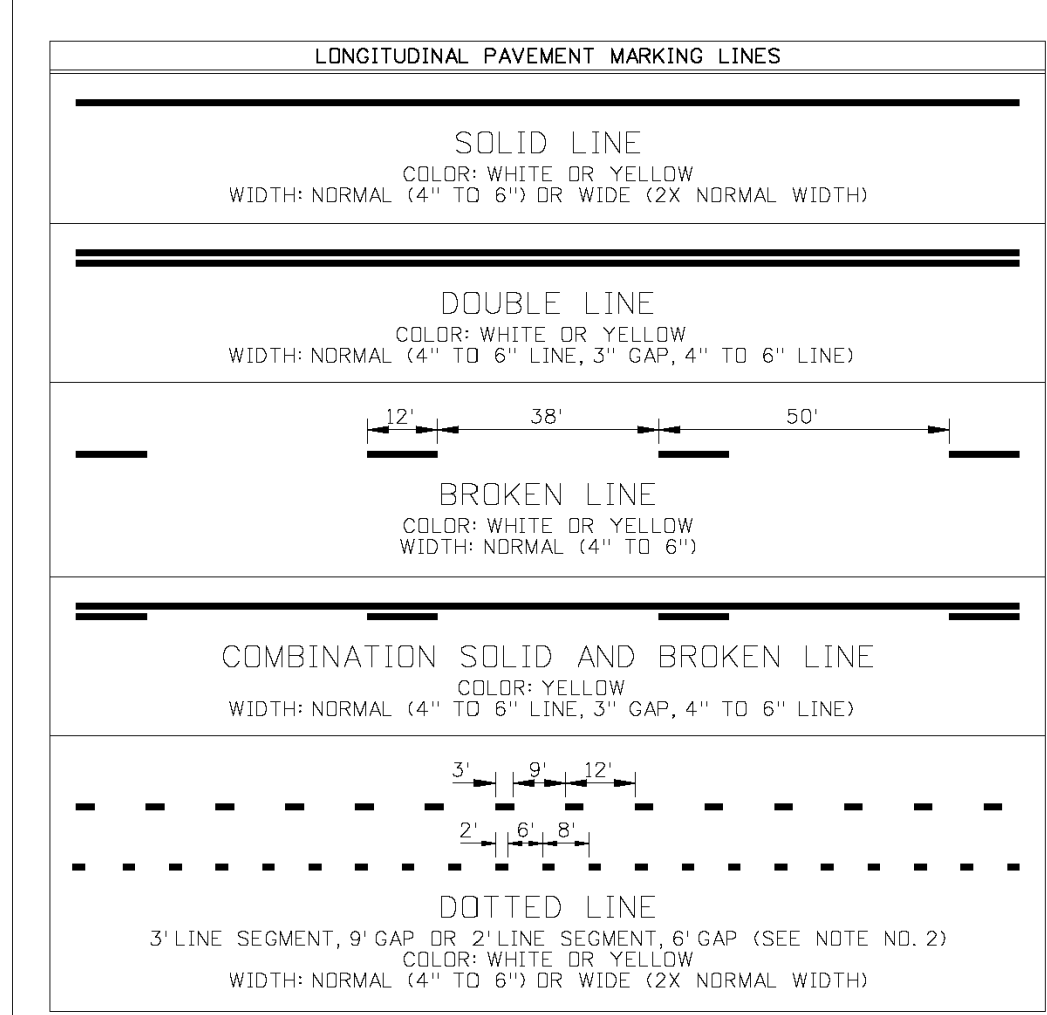
Preliminary Not for Construction

REVISIONS:

PROJECT NAME: SH-33 MULTI-MODAL PATHWAY TETON COUNTY, IDAHO

STANDARD DETAILS

SHEET # **C8.2**



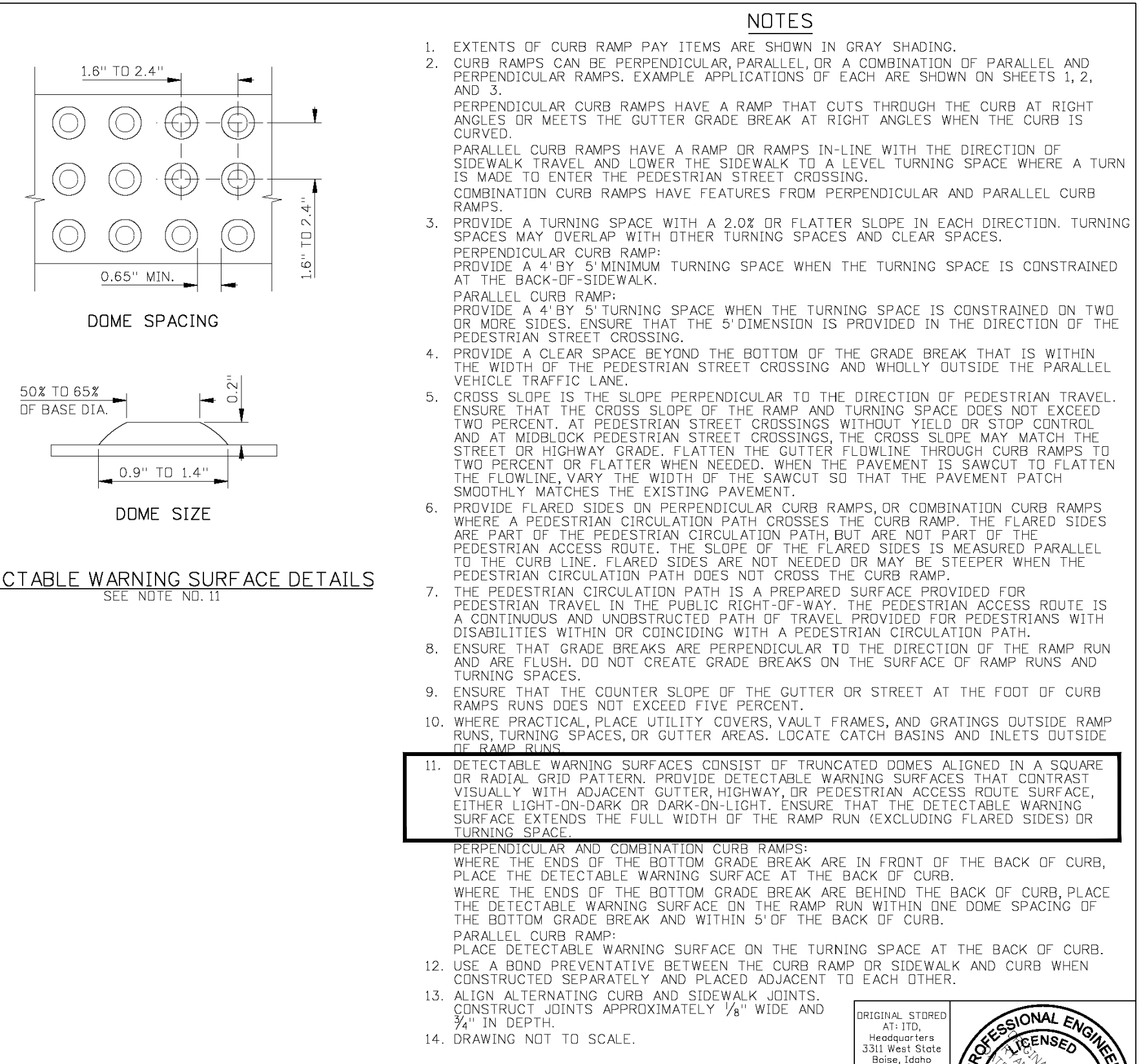
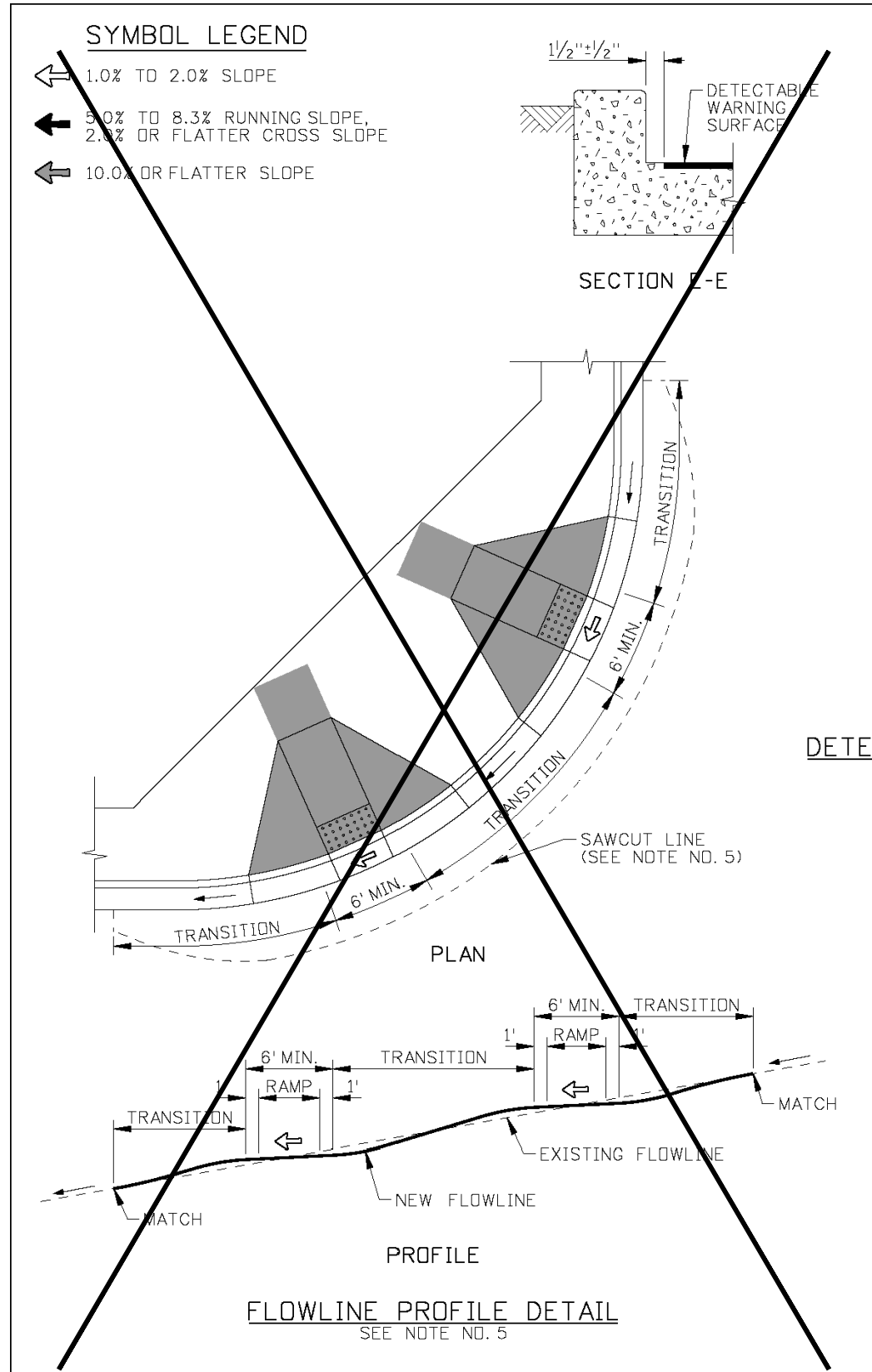
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1	03-20	RDL						

STANDARD DRAWING
PAVEMENT MARKINGS
English
STANDARD DRAWING NO. 630-1
SHEET 1 OF 4

IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

1 PAVEMENT MARKINGS DETAIL
C8.3 NOT TO SCALE



NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM	5	07-03	MSM	11	07-10	JAW

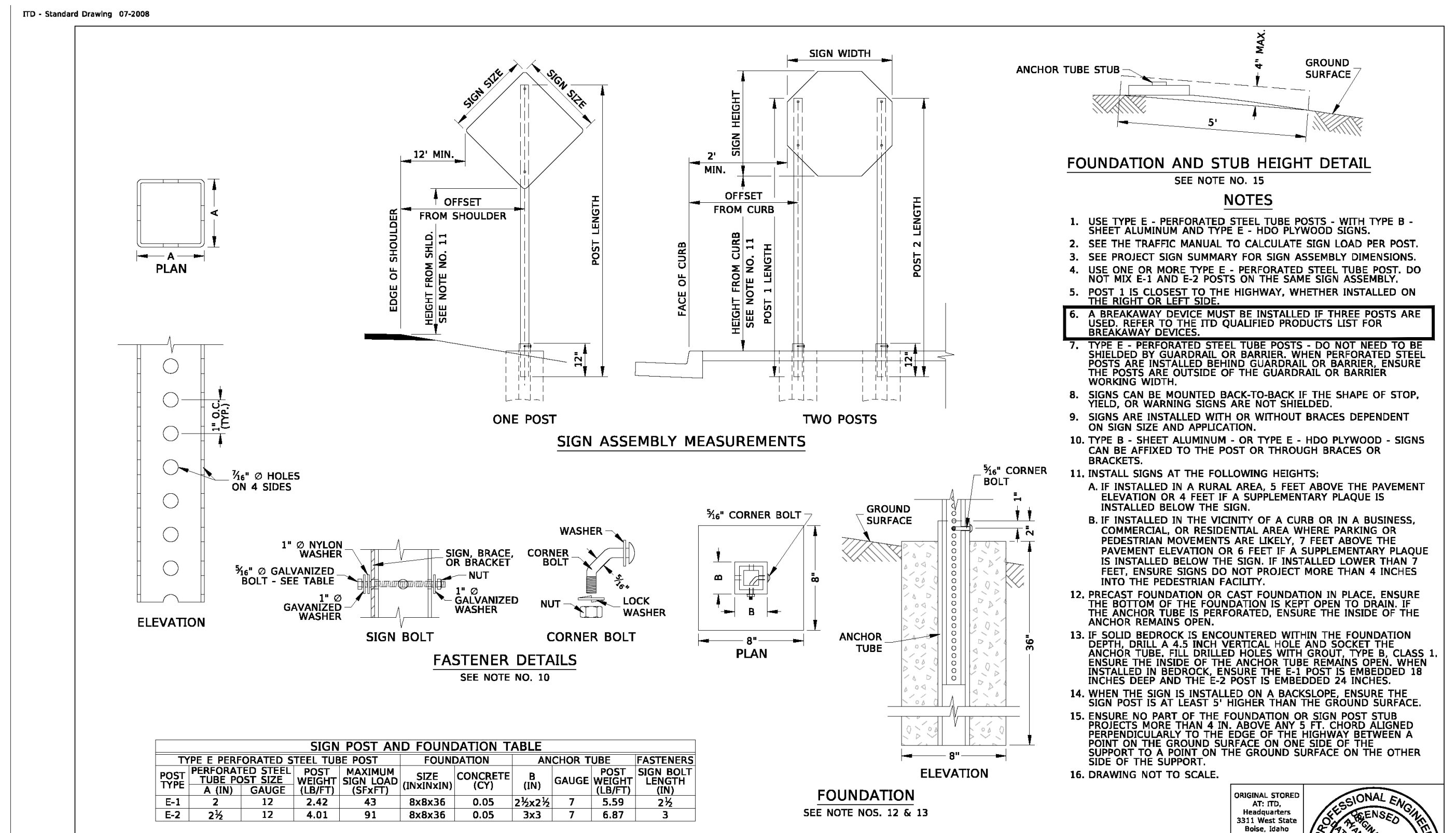
STANDARD DRAWING
CURB RAMPS
English
STANDARD DRAWING NO. 614-3
SHEET 4 OF 4

IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

2 DETECTABLE WARNING SURFACE DETAIL
C8.3 NOT TO SCALE

- NOTES
- USE WHITE AND YELLOW PAVEMENT MARKINGS AS FOLLOWS:
WHITE:
A. THE SEPARATION OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
B. THE RIGHT-HAND EDGE OF THE HIGHWAY.
YELLOW:
A. THE SEPARATION OF TRAFFIC TRAVELING IN OPPOSITE DIRECTIONS.
B. THE LEFT-HAND EDGE DIVIDED HIGHWAYS, ONE-WAY STREETS, OR RAMP.
C. TWO-WAY LEFT-TURN LANES.
 - USE LONGITUDINAL PAVEMENT MARKINGS AS FOLLOWS:
A. USE SOLID LINES TO INDICATE THE LEFT OR RIGHT EDGE OF TRAVEL WAY OR TO DISCOURAGE LANE CHANGING.
B. USE DOUBLE LINES TO PROHIBIT PASSING OR LANE CHANGING.
C. USE BROKEN LINES TO INDICATE PASSING OR LANE CHANGING ARE PERMITTED. USE THE 12' LINE SEGMENT, 38' GAP PATTERN FOR ALL SPEEDS.
D. USE COMBINATION SOLID AND BROKEN LINES TO PROHIBIT PASSING IN ONE DIRECTION WHILE PERMITTING PASSING IN THE OPPOSITE DIRECTION OR TO INDICATE A TWO-WAY LEFT-TURN LANE.
E. USE DOTTED LINES AS FOLLOWS:
1. LINE SEGMENT, 9' GAP:
I. TO SEPARATE A THROUGH LANE AND A LANE THAT BECOMES A MANDATORY EXIT OR TURN LANE (DROPPED LANE).
II. TO SEPARATE THROUGH LANES AND TURN LANES OR RAMP.
III. TO SEPARATE A THROUGH LANE AND AN AUXILIARY LANE 2 MILES OR LESS IN LENGTH BETWEEN FREEWAY ENTRANCE RAMP AND EXIT RAMP OR 1 MILE OR LESS IN LENGTH BETWEEN INTERSECTIONS.
2. LINE SEGMENT, 6' GAP:
I. AS A LANE LINE EXTENSION THROUGH AN INTERSECTION.
II. USE 12' VEHICULAR TRAVEL LANES UNLESS OTHERWISE INDICATED. MEASURE LANE WIDTHS FROM THE CENTER OF LINE TO THE CENTER OF LINE.
III. THE PAVEMENT MARKING APPLICATION EXAMPLES PRESENTED SHOW COMMON APPLICATION. MODIFY AS NEEDED TO ACCOMMODATE OTHER SITUATIONS.



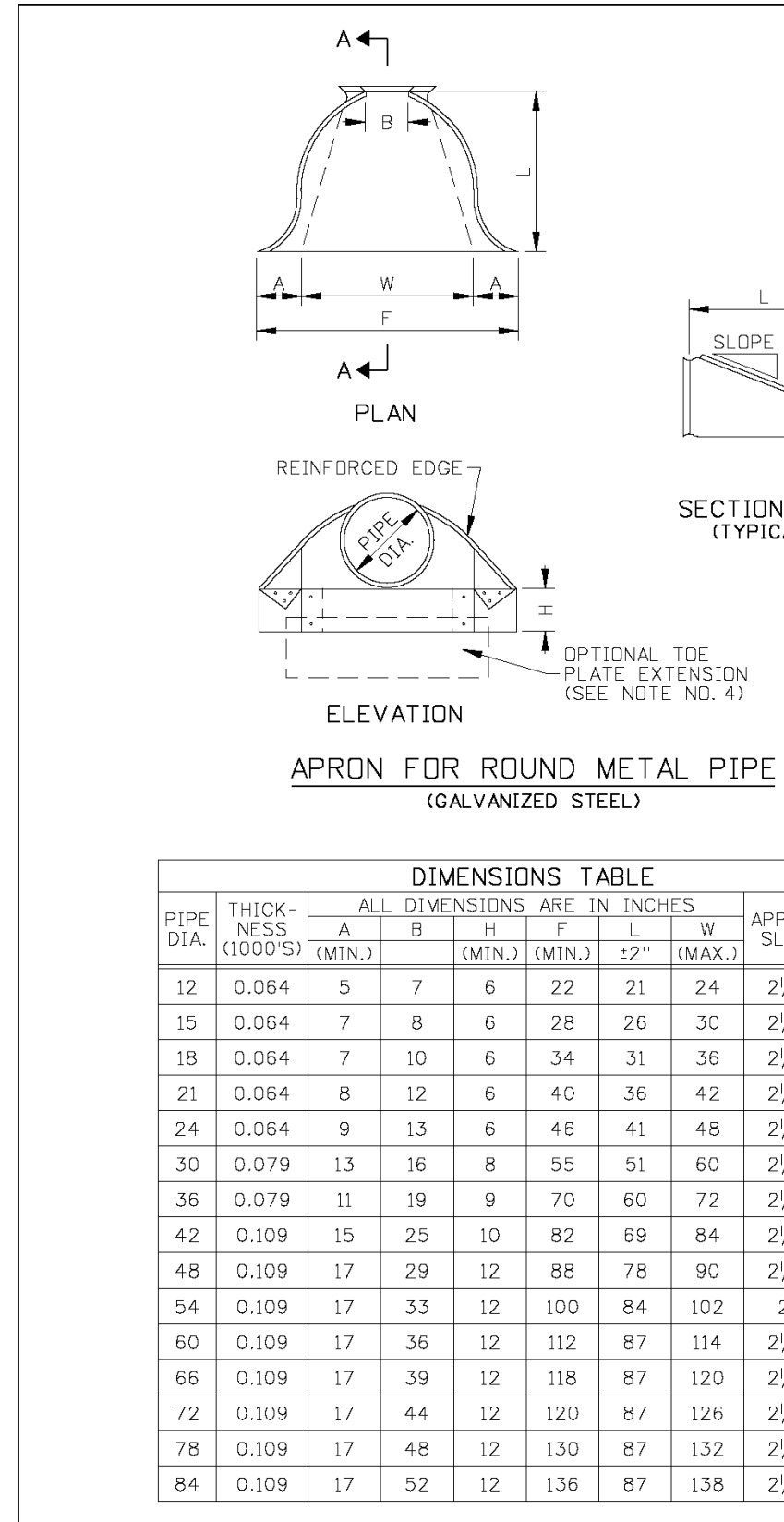
POST TYPE	PERFORATED STEEL TUBE POST SIZE (IN)	POST WEIGHT (LBS/FT)	MAXIMUM SIGN LOAD (SFFT)	FOUNDATION CONCRETE (CY)	ANCHOR TUBE GAUGE (IN)	FASTENERS POST WEIGHT (LBS/FT)	ANCHOR TUBE SIGN BOLT LENGTH (IN)
E-1	2	12	2.42	41	8x8x36	0.05	2 1/2 x 2 1/2
E-2	2 1/2	12	4.01	93	8x8x36	0.05	3x3

STANDARD DRAWING
STEEL SIGN POST AND FOUNDATION
TYPE E - PERFORATED STEEL TUBE POST
English
STANDARD DRAWING NO. 616-7
SHEET 1 OF 1

IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

3 STANDARD SIGN POST AND FOUNDATION TYPE "E"
C8.3 NOT TO SCALE



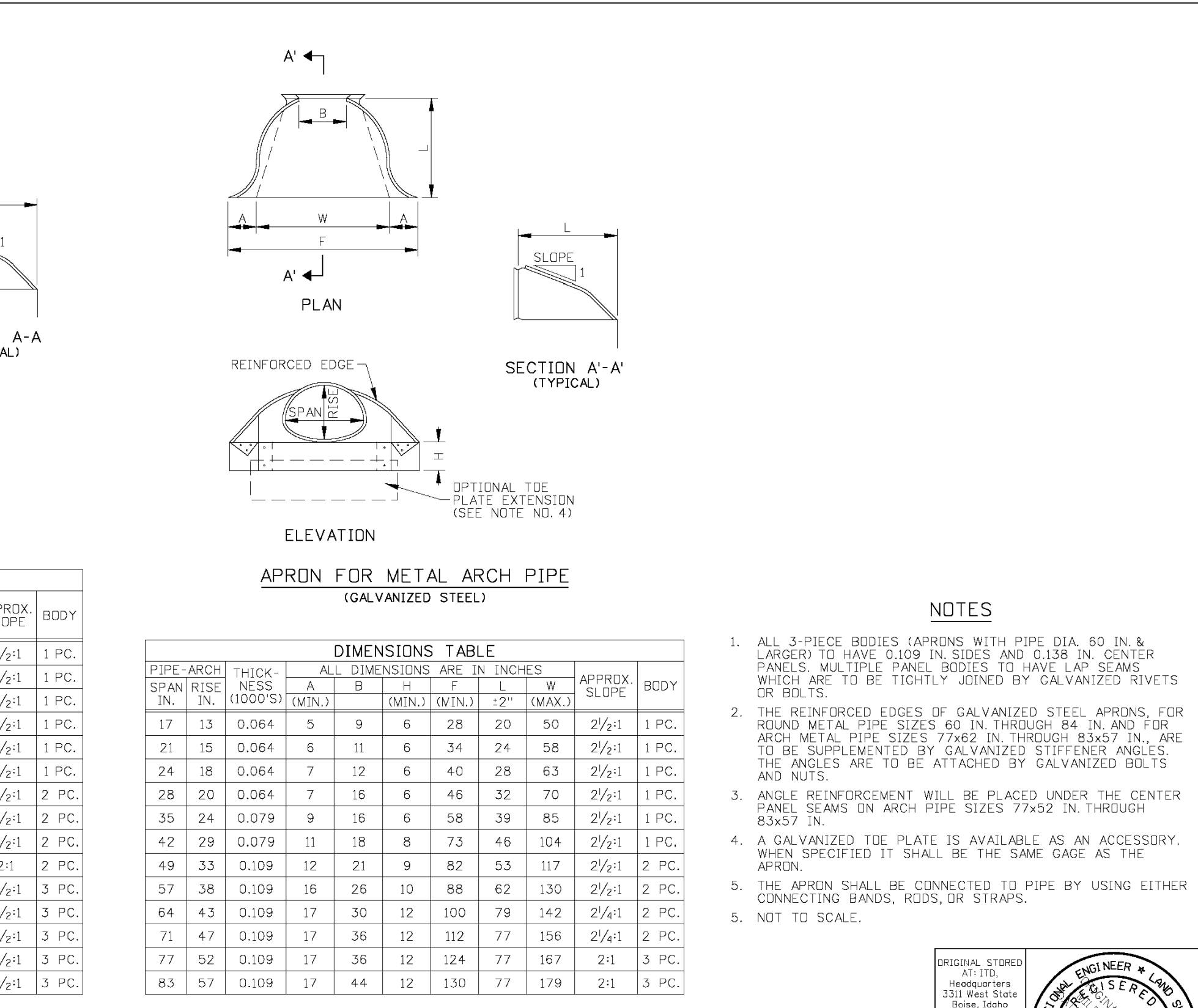
PIPE DIA.	THICKNESS (1000'S)	ALL DIMENSIONS ARE IN INCHES						APPROX. SLOPE	BODY
A	B	H	F	L	W				
12	0.064	5	7	6	22	21	24	2 1/2:1	1 PC.

STANDARD DRAWING
GALVANIZED STEEL APRONS FOR PIPE CULVERTS
English
STANDARD DRAWING NO. 608-1
SHEET 1 OF 1

IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

4 GALVANIZED STEEL APRONS
C8.3 NOT TO SCALE



PIPE-ARCH SPAN/RISE (1000'S)	THICKNESS (1000'S)	ALL DIMENSIONS ARE IN INCHES						APPROX. SLOPE	BODY
A	B	H	F	L	W				
17	0.064	5	9	6	28	20	50	2 1/2:1	1 PC.

2 DETECTABLE WARNING SURFACE DETAIL
C8.3 NOT TO SCALE

HARMONY DESIGN & ENGINEERING
18 N MAIN STE 305 • DRIGGS ID 83422
208.354.1331 • www.harmonydesigninc.com

DATE: 2/12/2024

PROJECT NAME: SH-33 MULTI-MODAL PATHWAY TETON COUNTY, IDAHO

STANDARD DETAILS

SHEET # C8.3

REVISIONS:

FILE: 23108_CVR.dwg
PROJ. #: 23108