

WEST INDIAN CREEK (PROJECT A)


SRF SPONSORED PROJECT

CITY OF NEVADA IOWA

NEVADA, IOWA

2025

CERTIFICATION

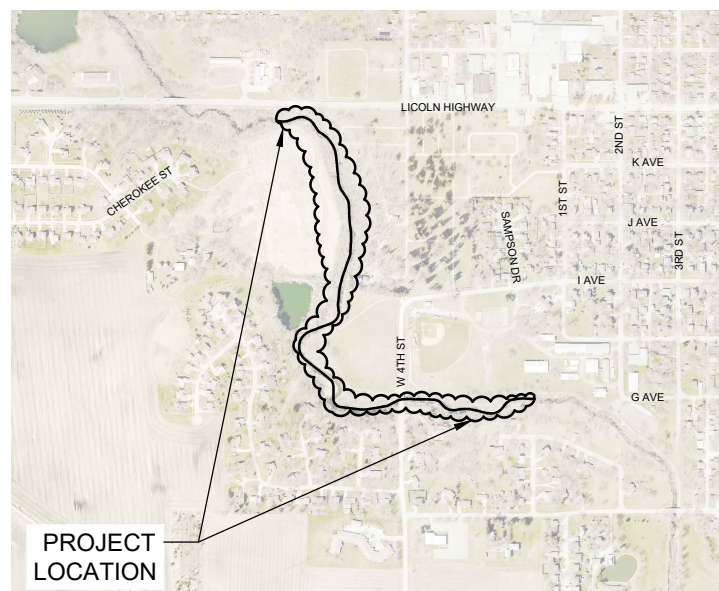


I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Kate Barnes 1-15-25
 KATE RIIS BARNES, P.E. DATE
 License Number: P26428
 My license renewal date is December 31, 2025.
 Pages or sheets covered by this seal:
 ALL SHEETS



LOCATION MAP



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FINAL PLANS

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WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

GENERAL
 COVER SHEET

SHEET NO.
 G000

CIVIL LEGEND

	BENCHMARK, CONTROL POINT, ELEVATION INDICATOR		EXISTING MAJOR CONTOUR
	CONCRETE MONUMENT		EXISTING MINOR CONTOUR
	IRON PIN SET		EXISTING PERMANENT EASEMENT
	OPEN PIPE		EXISTING FENCE
	ROW RAIL		EXISTING GRAVEL SURFACE
	SECTION CORNER		EXISTING LOT LINE
	CHISELED X		EXISTING SECTION LINE
	AREA INTAKE		EXISTING UNDERGROUD TELEVISION
	FIRE HYDRANT		EXISTING OVERHEAD ELECTRIC
	GUY WIRE		EXISTING UNDERGROUND ELECTRIC
	MAILBOX		EXISTING FIBER OPTIC
	POWERPOLE		EXISTING GAS
	CONIFEROUS TREE		EXISTING SANITARY SEWER
	DECIDUOUS TREE		EXISTING STORM SEWER
	CORNER MONUMENT		EXISTING CULVERT
	BEEHIVE INTAKE		EXIST UNDERGROUND TELEPHONE
	CABLE BOX		EXISTING TRAFFIC SIGNALING
	CLEAN OUT		EXISTING WATER
	ELECTRIC METER		EXISTING RR
	ELECTRIC BOX		SUBDRAIN
	PHONE BOOTH		MINOR CONTOUR
	GAS METER		MAJOR CONTOUR
	CURB INTAKE		PERMANENT EASEMENT
	HANDICAP		TEMPORARY EASEMENT
	INTAKE		FLOOD PLAIN
	LIGHT POLE		FLOOD WAY
	SANITARY MANHOLE		FENCE
	MONITORING WELL		GRADING LIMITS
	POST		CONSTRUCTION LIMITS
	RAILROAD SIGN		SANITARY SEWER
	SATELLITE DISH		SILT FENCE
	SIGN		STORM SEWER
	SIGN		RIGHT OF WAY
	SOIL BORING		SHEET PILE
	TREE STUMP		WATER LINE
	TELEPHONE BOX		WETLAND
	TELEPHONE PEDESTAL		EDGE OF GRAVEL
	TRAFFIC LIGHT		
	TRAFFIC SIGNAL		
	TRAFFIC SIGN		
	YARD LIGHT		
	BURIED VALVE		
	BURIED WATER VALVE		
	REMOVE TREE		
	PRESERVE AND PROTECT EX. TREE		
	REMOVE TREE BY OTHERS		
	BOLLARD		
	EASEMENT		
	TEMPORARY EASEMENT		

NOTES:

1. "SCREENED" (LIGHT) DELINEATION SHOWN IN THIS SHEET DENOTES EXISTING CONDITIONS. "SCREENED" INFORMATION WAS TAKEN FROM PREVIOUS CONSTRUCTION DRAWINGS AND FIELD SURVEY, IS FOR REFERENCE ONLY, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF MATERIALS AND BEGINNING CONSTRUCTION. "BOLD" DELINEATION IS NEW WORK TO BE CONSTRUCTED UNDER THIS CONTRACT.

THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) LATEST REVISIONS - 2023 EDITION, APPLICABLE SUPPLEMENTAL SPECIFICATIONS, AND SPECIAL PROVISIONS, SHALL APPLY TO CONSTRUCTION ON THIS PROJECT.

MATERIAL LEGEND

	EARTH, BACKFILL
	SAND, GRAVEL, CONCRETE (PLAN)
	GRAVEL FILL, GRAVEL PAVING
	RIP RAP
	CAST IN PLACE CONCRETE, PRECAST CONCRETE, PCC PAVING
	CONCRETE MASONRY UNITS
	BRICK MASONRY UNITS, ACC PAVING IN SECTION
	INSULATION: NON-RIGID, BATT
	INSULATION: RIGID
	ROUGH CARPENTRY
	PLYWOOD
	ACC PAVING
	SEEDED AREA

SYMBOL LEGEND

	TRUE NORTH ARROW: ORIENTATION IS SURVEYED TO TRUE NORTH OR AS CLOSE TO TRUE NORTH AS KNOWN DATA.
	PLAN NORTH ARROW: ORIENTATION IS CLOSEST TO TRUE NORTH AND INCREASES COMMUNICATION WHEN ADDRESSING SIDES OF A STRUCTURE.
	CIVIL SCALE BAR
	BLDG DETAIL OR SECTION SCALE: TO SCALE
	DETAIL (NOT TO SCALE) SCALE: NONE
	TYPICAL NOTE: 1. NOTES ASSOCIATED WITH SHEET, PLAN, ELEVATION, SECTION OR DETAIL.
	DETAIL INDICATOR
	SECTION INDICATOR
	ELEVATION INDICATOR
	MATCH LINE INDICATOR
	CONTRACT TERMINATOR
	REVISION MARKER
	VENDOR CONTRACTOR

NOTE:

NOT ALL ABBREVIATIONS OR SYMBOLS SHOWN IN THESE LISTS MAY BE USED IN THIS PROJECT. CONTACT ARCHITECT OR ENGINEER FOR CLARIFICATION OF ANY DISCREPANCIES.

GENERAL NOTES:

- WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.
- IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
- SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.
- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.
- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE AND IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.
- PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.
- THE DRAINAGE SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY.
- EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER. ADDITIONALLY, MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.
- ADEQUATE RECEPACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
- DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM.
- ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.
- DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINAGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.
- NOTIFY OWNER AND ENGINEER 48 HOURS PRIOR TO STARTING CONSTRUCTION
- COMPLETE ALL CONSTRUCTION IN ACCORDANCE WITH THE CURRENT EDITION OF IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND PLANS AND SPECIFICATIONS FOR THIS PROJECT
- LOCATION OF EXISTING UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES SHOWN ARE FROM AVAILABLE SURVEYS AND RECORDS. THESE LOCATIONS SHOULD BE CONSIDERED AS APPROXIMATE ONLY, WITH POSSIBILITY THAT OTHER UTILITIES OR UNDERGROUND FEATURES MAY EXIST. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS.
- NOTIFY UTILITY COMPANIES PRIOR TO COMMENCING WORK. AVOID DAMAGE TO UTILITIES AND UNDERGROUND FEATURES DURING CONSTRUCTION. REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OPERATIONS AT CONTRACTOR'S EXPENSE.
- COORDINATE CONSTRUCTION OPERATIONS AND COOPERATE WITH UTILITY COMPANIES WITH RESPECT TO RELOCATING ANY CONFLICTING FACILITIES. COSTS FOR LOCATING EXISTING UTILITIES, COORDINATING RELOCATION WORK, PROVIDING TEMPORARY SUPPORTS, AND STAGING CONSTRUCTION TO ACCOMMODATE THE RELOCATION OF UTILITIES IS INCIDENTAL TO CONSTRUCTION.
- PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.

- PRESERVE TREES. ONLY CLEAR THE MINIMUM NUMBER OF TREES NEEDED TO COMPLETE THE CONSTRUCTION. ALL TREES OUTSIDE OF THE GRADING LIMITS TO BE APPROVED BEFORE REMOVAL.
- CONTRACTOR RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING ALL ACCESSES TO THE CONSTRUCTION LIMITS. THE ACCESSES MUST BE ADEQUATELY SIZED AND PROPERLY SURFACED FOR UTILIZATION BY CONSTRUCTION VEHICLES AND INCLUDE PROVISIONS TO MAINTAIN POSITIVE DRAINAGE. WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- LIMIT GRADING AND CONSTRUCTION OPERATIONS TO THE MINIMUM REQUIRED TO COMPLETE THE PROJECT. CONTRACTOR REQUIRED TO PAY FOR DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES OUTSIDE OF THE CONSTRUCTION LIMITS IN ADDITION TO THE RESTORATION, AT NO COST TO OWNER.
- PROTECT EXISTING TREES, SHRUBS, FENCES, AND LANDSCAPING UNLESS SPECIFICALLY NOTED OR DESIGNATED OTHERWISE ON THE PLANS. REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION AT CONTRACTOR'S EXPENSE.
- CONTRACTORS SHALL SATISFY THEMSELVES PRIOR TO SUBMISSION OF BIDS AS TO THE SOIL CONDITIONS.
- PROTECT AND SAVE ALL PROPERTY CORNER MONUMENTS. REPLACE IF REMOVED OR DAMAGED (INCIDENTAL).
- DO NOT STORE EQUIPMENT AND/OR MATERIALS WITHIN PUBLIC RIGHT OF WAY ON STREETS OPEN TO TRAFFIC. PROVIDE AREAS AS NEEDED FOR STORAGE OF EQUIPMENT AND/OR MATERIALS.
- REMOVE AND REPLACE, OR REPAIR ALL ROAD SURFACES AND OTHER ITEMS DAMAGED BY CONSTRUCTION ACTIVITIES TO THEIR ORIGINAL CONDITION AND/OR TO THE SATISFACTION OF THE OWNER AND ENGINEER (INCIDENTAL).
- STRIP, SALVAGE AND RESPREAD TOP 6 INCHES OF TOPSOIL IN ALL AREAS WITHIN THE CONSTRUCTION LIMITS AS PER SPECIFICATIONS, EXCEPT AREAS NOT DISTURBED BY CONSTRUCTION AND USED TO STOCKPILE THE TOPSOIL. MECHANICALLY LOOSEN A MINIMUM OF 12 INCHES OF SOIL ON ALL COMPACTED AREAS PRIOR TO RESPREADING OF THE TOPSOIL.
- ASSIST ENGINEER'S FIELD REPRESENTATIVE WITH RECORD KEEPING. CONTRACTOR REQUIRED TO ATTEND FINAL AND INTERMEDIATE INSPECTIONS OF PROJECT.
- DIMENSIONS, STREET LOCATIONS, UTILITIES, AND GRADING ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. REPORT ANY SUCH CHANGES OR CONFLICTS BETWEEN THE PLAN AND FIELD CONDITIONS TO PROJECT ENGINEER IMMEDIATELY.

UTILITY CONTACT INFORMATION

District	Contact Name	Contact Phone	Contact Email
Alliant Energy	Alliant Energy Field Engineer	800-255-4268	locate_ipL@alliantenergy.com
City of Nevada	Kerin Wright	515-382-5466	kwright@cityofnevadaiaowa.org
Mediacom	Tim Adreon	515-233-2318	tadreon@mediacomcc.com
Windstream Communications	Locate Desk	800-289-1901	LOCATE.DESK@WINDSTREAM.COM

FINAL PLANS

DRAWN BY: KCJ	JOB DATE: 2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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

WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

GENERAL
LEGENDS, SYMBOLS AND GENERAL NOTES

SHEET NO.
G001

ITEM NUMBER	ITEM CODE	BID ITEM	QUANTITY	UNITS
DIVISION 1 - GENERAL				
1	1070-206-A	TEMPORARY TRAFFIC CONTROL	1	LS
DIVISION 2 - EXCAVATION				
2	2010-108-C	CLEAR AND GRUBBING	1	LS
3	2010-108-D-1	TOPSOIL, ONSITE, 6 INCH DEPTH (STRIP, SALVAGE, AND RESPREAD)	4,306	CY
4	2010-108-E	EXCAVATION, CLASS 10 HAUL OFF-SITE	350	CY
5	2010-108-E	EXCAVATION, CLASS 10 RESPREAD OFF-SITE	3,423	CY
6	2010-108-E	EXCAVATION, CLASS 10 REUSE ON-SITE	8,715	CY
DIVISION 7 - STREETS AND RELATED WORK				
7	7030-108-A-2	REMOVAL OF SHARED USE PATH	60	SY
8	7030-108-C	SHARED USE PATH REPLACEMENT, MATCH EXISTING HMA	60	SY
DIVISION 9 - SITE WORK AND LANDSCAPING				
9	9010-108-A	PERMANENT CONVENTIONAL SEEDING, FERTILIZING, AND MULCH (SUDAS TYPE 1)	0.3	AC
10	9010-108-B	TEMPORARY HYDRAULIC SEEDING AND MBFM (SUDAS TYPE 4)	5.3	AC
11	9010-108-B	PERMANENT HYDRAULIC SEEDING, FERTILIZING, AND MBFM (SUDAS NATIVE GRASSES)	5	AC
12	9010-108-E	WARRANTY, 3 YEAR ESTABLISHMENT AND MAINTENANCE	1	LS
13	9040-108-A-1	SWPPP PREPARATION	1	LS
14	9040-108-A-2	SWPPP MANAGEMENT	1	LS
15	9040-108-E	RECP, TYPE 3B, NATURAL FIBER ONLY	15,300	SY
16	9040-108-F-1	WATTLE, NATURAL FIBER ONLY, 9-INCH DIAMETER	8,700	LF
17	9040-108-F-2	WATTLE, REMOVAL	8,700	LF
18	9040-108-J	RIP RAP, CLASS B (RIFFLES)	44	TON
19	9040-108-J	RIP RAP, CLASS E (RIFFLES, OUTFALL PROTECTION, AND TOE ROCK)	4,468	TON
20	9040-108-O-2	STABILIZED CONSTRUCTION ENTRANCE	367	SY
DIVISION 10 - DEMOLITION				
21	10010-108-A-0	REMOVAL OF EXISTING CROSSING STRUCTURE	1	EA
DIVISION 11 - MISCELLANEOUS				
22	11020-108-A-0	MOBILIZATION	1	LS
23	11010-108-A-0	CONSTRUCTION SURVEY	1	LS

FINAL PLANS

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WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

GENERAL
QUANTITIES

SHEET NO.
G003

Xref: xref-3-dm01

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
DIVISION 1 - GENERAL		
1	1070-206-A	TEMPORARY TRAFFIC CONTROL A. CONTRACTOR TO PLACE TEMPORARY TRAFFIC CONTROL ON TRAILS WHEN USE IS BLOCKED DUE TO CONSTRUCTION AND UNTIL TRAIL IS REPLACED B. CONTRACTOR TO PLACE TEMPORARY TRAFFIC CONTROL IN ORDER TO ALLOW FOR NORMAL USE OF ROADS IN ACCORDANCE WITH SUDAS
DIVISION 2 - EXCAVATION		
2	2010-108-C	CLEAR AND GRUBBING A. CONTRACTOR TO FURNISH ALL TOOLS, EQUIPMENT, LABOR AND MATERIALS NECESSARY TO CLEAR AND GRUBBING IN COMPLIANCE WITH THE CONTRACT DOCUMENTS B. INCLUDES REMOVAL AND LEGAL DISPOSAL OF TREES, SHRUBS, OR OTHER MATERIALS AND PLACEMENT OF BACKFILL IN AREA WHERE ROOTS HAVE BEEN REMOVED C. PROTECTION OF TREES AND SHRUBS TO REMAIN SHALL BE INCIDENTAL TO THIS ITEM. CONTRACTOR IS NOT TO CLEAR AND GRUB OUTSIDE OF THE CONSTRUCTION LIMITS NOTED ON THE PLAN AND PROFILE SHEETS. ONLY THE MINIMUM CLEARING AND GRUBBING TO TAKE PLACE AS NECESSARY TO COMPLETE THE PROJECT D. STUMPS AND ROOTBALLS LOCATED ON THE SLOPES SHALL NOT BE REMOVED. HERBICIDE SHALL BE APPLIED TO THE STUMPS PROMPTLY UPON CUTTING E. ALL MATERIAL THAT IS REMOVED FROM THE PROJECT, EXCEPT THERE UNDER 3B, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. BURNING AND BURIAL ON THE PROJECT SITE IS NOT ALLOWED. REMOVAL OF MISCELLANEOUS DEBRIS AND TRASH SHALL BE CONSIDERED INCIDENTAL F. MINIMIZE DURATION ERODABLE SURFACES AND RIVERBANKS ARE GRUBBED AND EXPOSED. MAINTAIN STREAMBANK VEGETATION UNTIL WORK WITHIN THE STREAM IS CONDUCTED G. ALL DEBRIS BLOCKAGE WITHIN THE CONSTRUCTION LIMITS TO BE REMOVED AT THE SATISFACTION OF THE ENGINEER AND IS CONSIDERED INCIDENTAL
3	2010-108-D-1	TOPSOIL, ONSITE, 6 INCH DEPTH (STRIP, SALVAGE, AND RESPREAD) A. TOPSOIL TO BE STRIPPED, SALVAGED, AND APPLIED (6 INCH MINIMUM) WITHIN NEWLY GRADED AREAS BEFORE SEEDING B. ALL EXCESS TOPSOIL NOT USED ON SITE IS THE PROPERTY OF THE CITY OF NEVADA AND TO BE STOCKPILED AT A LOCATION DETERMINED BY THE CITY C. ADEQUATE EROSION CONTROL MEASURES FOR STOCKPILED SOIL SHALL BE PROVIDED BY THE CONTRACTOR, AND ARE INCIDENTAL TO THIS BID ITEM
4	2010-108-E	EXCAVATION, CLASS 10 HAUL OFF-SITE A. ITEM TO ONLY BE USED AT THE DIRECTION OF THE OWNER. B. CONTRACTOR WILL NOT BE PAID FOR HAUL-OFF EXCAVATION WITHOUT PRIOR PERMISSION FROM THE OWNER AND AGREEMENT ON QUANTITY.
5	2010-108-E	EXCAVATION, CLASS 10 RESPREAD OFF-SITE A. EXCAVATION ESTIMATED AS FOLLOWS: CUT (FROM CAD) = 9,364 CY, FILL (FROM CAD) = 6,456 CY B. RESPREAD ON-SITE = CUT + ROCK VOL. - REUSE ONSITE = 9,364 + 2775 - 8,715 = 3,423CY C. EXCAVATION QUANTITIES ESTIMATED COMPARING EXISTING SURFACE TO PROPOSED SURFACE AND A 1.35 FILL FACTOR D. IT IS THE INTENTION TO RESPREAD OR STOCKPILE ALL EXCESS SOIL AT 445 11TH STREET. HOWEVER, IF ANY SOIL IS DEEMED UNDESIRABLE BY THE OWNER DUE TO EXCESS ROOTS, ROCK, DEBRIS, ETC. THIS SOIL WILL BE HAULED OFF-SITE IN A SEPARATE BID ITEM (ITEM 4). THE CONTRACTOR WILL BE PAID PLAN QUANTITY LESS THE VOLUME OF SOIL THAT IS DEEMED UNSUITABLE AND TRANSFERRED TO ITEM 4.
6	2010-108-E	EXCAVATION, CLASS 10 REUSE ON-SITE A. EXCAVATION ESTIMATED AS FOLLOWS: CUT (FROM CAD) = 9,364 CY, FILL (FROM CAD) = 6,456 CY B. REUSE ONSITE = 1.35 X FILL = 1.35 X 6,456 = 8,715 C. EXCAVATION QUANTITIES ESTIMATED COMPARING EXISTING SURFACE TO PROPOSED SURFACE AND A 1.35 FILL FACTOR D. CONTRACTOR SHALL BE PAID THE PLAN QUANTITY
DIVISION 7 - STREETS AND RELATED WORK		
7	7030-108-A-2	REMOVAL OF SHARED USE PATH A. CONTRACTOR TO REMOVE THE MINIMUM AMOUNT OF TRAIL NECESSARY TO ACCESS THE PROJECT AND TO PROTECT THE TRAIL IN AREAS OUTSIDE OF THE CONSTRUCTION LIMITS B. PAID QUANTITY IS NOT TO EXCEED THE PLAN QUANTITY UNLESS PREAPPROVED BY THE ENGINEER
8	7030-108-C	SHARED USE PATH REPLACEMENT, MATCH EXISTING HMA A. PAID QUANTITY IS NOT TO EXCEED THE PLAN QUANTITY UNLESS PREAPPROVED BY THE ENGINEER B. TRAIL DAMAGED BY CONSTRUCTION ACCESS TO BE REPLACED WITH EQUIVALENT MATERIALS AND METHODS TO MATCH EXISTING C. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO TRAILS OUTSIDE OF THE CONSTRUCTION LIMITS D. ALL SUBGRADE PREP IS INCIDENTAL
DIVISION 9 - SITE WORK AND LANDSCAPING		
9	9010-108-A	PERMANENT CONVENTIONAL SEEDING, FERTILIZING, AND MULCH (SUDAS TYPE 1) A. CONTRACTOR TO USE THE TYPE 1 MIXTURE ACCORDING TO SUDAS B. THE CONTRACTOR SHALL WATER THE SEEDED AREAS NO LESS THAN TWICE PER WEEK FOR THE FIRST TWO WEEKS, NO LESS THAN ONCE PER WEEK FOR THE NEXT TWO WEEKS, AND AS NECESSARY UNTIL SEEDED AREA IS ACCEPTED BY THE OWNER C. WATERING IS INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE D. CONTRACTOR TO OBTAIN SEED BED PREP APPROVAL PRIOR TO SEEDING E. TO BE PAID PLAN QUANTITY F. THIS INCLUDES BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL
10	9010-108-B	TEMPORARY HYDRAULIC SEEDING AND MBFM (SUDAS TYPE 4) A. CONTRACTOR TO USE THE TYPE 4 MIXTURE ACCORDING TO SUDAS B. THE CONTRACTOR SHALL WATER THE SEEDED AREAS NO LESS THAN TWICE PER WEEK FOR THE FIRST TWO WEEKS, NO LESS THAN ONCE PER WEEK FOR THE NEXT TWO WEEKS, AND AS NECESSARY UNTIL SEEDED AREA IS ACCEPTED BY THE OWNER C. WATERING IS INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE D. CONTRACTOR TO OBTAIN SEED BED PREP APPROVAL PRIOR TO SEEDING E. TO BE PAID PLAN QUANTITY F. THIS INCLUDES BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL G. ITEM IS ONLY NEEDED IF PERMANENT SEEDING CAN NOT BE COMPLETED WITHIN THE SUDAS SPECIFIED SEEDING WINDOW H. ITEM ONLY INTENDED FOR USE IF SEEDING WINDOWS CAN NOT BE MET FOR PERMANENT SEEDING. CONTRACTOR TO OBTAIN PERMISSION FROM OWNER OR ENGINEER PRIOR TO APPLICATION.

FINAL PLANS

DRAWN BY: **KCD** JOB DATE: 2025
 APPROVED: **KWB** JOB NUMBER: 191900.03
 CAD DATE: 3/10/2025 4:39:39 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\G\G004 ERI NOTES.dwg

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NO.	DATE	BY	REVISION DESCRIPTION



WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

GENERAL
 ERI NOTES – ESTIMATE REFERENCE



SHEET NO.
G004

Xrefs: xgt-2-dm01

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
11	9010-108-B	PERMANENT HYDRAULIC SEEDING, FERTILIZING, AND MBFM (SUDAS NATIVE GRASSES) A. CONTRACTOR TO USE THE NATIVE GRASSES MIXTURE ACCORDING TO SUDAS B. THE CONTRACTOR SHALL WATER THE SEEDED AREAS NO LESS THAN TWICE PER WEEK FOR THE FIRST TWO WEEKS, NO LESS THAN ONCE PER WEEK FOR THE NEXT TWO WEEKS, AND AS NECESSARY UNTIL SEEDED AREA IS ACCEPTED BY THE OWNER C. WATERING IS INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE D. CONTRACTOR TO OBTAIN SEED BED PREP APPROVAL PRIOR TO SEEDING E. TO BE PAID PLAN QUANTITY F. THIS INCLUDES BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL G. SEEDING TO BE COMPLETED IN THE APRIL 1 - JUNE 30 SEEDING WINDOW H. CONTRACTOR SHALL SUBMIT A LETTER OF CONFIRMATION OF SEED VARIETIES AND MATERIAL SOURCE PRIOR TO PROCUREMENT AND INSTALLATION I. CONTRACTOR TO PROVIDE PROOF OF 5 PROJECTS USING NATIVE PLANTS OR UTILIZE QUALIFIED SUB J. ICIA YELLOW TAG CERTIFIED SEED ONLY. ALL SEED MUST BE SOURCED WITHIN A 200-MILE RADIUS OF THE PROJECT (GENETIC ORIGIN NOT NURSERY LOCATION). DOCUMENTATION MUST BE PROVIDED.
12	9010-108-E	WARRANTY, 3 YEAR ESTABLISHMENT AND MAINTENANCE A. DURING THE ESTABLISHMENT WINDOW A QUALIFIED NATIVE PLANT SPECIALIST WILL MONITOR THE SITE 3 TIMES IN YEAR 1 AND 2 TIMES IN YEARS 2 AND 3 AND PROVIDE AN ESTABLISHMENT REPORT THAT INCLUDES MAINTENANCE ITEMS PERFORMED AND % COVERAGE B. SATISFACTORY ESTABLISHMENT INCLUDES 70% COVERAGE AFTER 1 GROWING SEASON, 90% COVERAGE AFTER 2 GROWING SEASONS, AND 95% COVERAGE AFTER 3 GROWING SEASONS C. YEAR 1 ESTABLISHMENT ITEMS INCLUDE: MOWING "KNEE HIGH" (UNDER 4 FT) TO 6" THROUGHOUT JUNE, JULY, AND AUGUST, SPARING APPLICATION OF HERBICIDES AS NEEDED D. YEAR 2 ESTABLISHMENT ITEMS INCLUDE: MOWING 1 TIME ONCE WEEDS ARE 3-4 FT TALL TO AND 8-12" HEIGHT E. YEAR 3 PRESCRIBED BURN ACCORDING TO EXHIBIT 11-4-1 "PRESCRIBED BURN SCHEDULE" IN THE ISWMM DOCUMENTATION F. ITEM DOES NOT INCLUDE RE-SEEDING. CONTRACTOR WILL NOTIFY CITY AND ENGINEER IF RESEEDING IS NEEDED. UNIT COST FOR RESEEDING SHALL NOT EXCEED ORIGINAL NATIVE SEEDING COSTS G. CONTRACTOR TO FOLLOW MAINTENANCE GUIDE PROVIDED IN CONTRACT DOCUMENTS
13	9040-108-A-1	SWPPP PREPARATION A. FINAL SWPPP TO BE APPROVED BY THE ENGINEER
14	9040-108-A-2	SWPPP MANAGEMENT A. ITEM INCLUDES ALL WORK RELATED TO COMPLY WITH THE ADMINISTRATIVE PROVISIONS OF THE IOWA DNR NPDES GENERAL PERMIT NO. 2, INCLUDING RECORD KEEPING, DOCUMENTATION, UPDATING THE SWPPP, WEEKLY INSPECTIONS, FILING THE NOTE OF DISCONTINUATION, ETC. B. ITEM INCLUDES FURNISHING ALL TOOLS, EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLY WITH THE SWPPP AS NEEDED FOR THE PROJECT. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, INSTALLATION OF SILT FENCE AROUND SOIL STOCKPILES AND RECP. TYPE 3B, NATURAL FIBER ONLY
15	9040-108-E	A. ITEM TO BE NATURAL FIBER ONLY B. CONTRACTOR TO BE PAID PLAN QUANTITY C. TO BE PLACED IMMEDIATELY FOLLOWING NATIVE SEEDING AND MBFM ON ALL GRADED AREAS. NOT NEEDED IN ACCESS AREAS WHERE NATIVES ARE SEEDED
16	9040-108-F-1	WATTLE, NATURAL FIBER ONLY, 9-INCH DIAMETER A. ITEM INCLUDES INSTALLATION AND MAINTENANCE OF SILT FENCE LINEAR EROSION CONTROL B. LINEAR EROSION CONTROL SUBJECT TO CHANGE BASED ON SITE CONDITIONS, INSPECTIONS, AND PERFORMANCE C. ITEM INCLUDES MAINTENANCE D. TO BE FILLED WITH BIODEGRADABLE MULCH ONLY
17	9040-108-F-2	WATTLE, REMOVAL A. ITEM INCLUDES OFF-SITE DISPOSAL OF STAKES, WATTLE, AND ACCUMULATED SEDIMENT B. RESTORATION OF THE AREA TO FINISHED GRADE IS INCIDENTAL
18	9040-108-J	RIP RAP, CLASS B (RIFFLES) A. CLASS B RIPRAP TO BE USED FOR RIFFLES ONLY IN ACCORDANCE TO THE DETAIL PROVIDED B. NO PAYMENT OF THE ITEM ABOVE PLAN QUANTITY UNLESS PRE-APPROVED C. FILTER FABRIC IS INCIDENTAL
19	9040-108-J	RIP RAP, CLASS E (RIFFLES, OUTFALL PROTECTION, AND TOE ROCK) A. CLASS E RIPRAP TO BE USED FOR RIFFLES IN ACCORDANCE TO THE DETAIL PROVIDED AND FOR TOE ROCK IN ACCORDANCE WITH THE DETAIL AND PLAN VIEW LOCATION B. NO PAYMENT OF THE ITEM ABOVE PLAN QUANTITY UNLESS PRE-APPROVED C. FILTER FABRIC IS INCIDENTAL FOR ROCK USED FOR RIFFLES
20	9040-108-O-2	STABILIZED CONSTRUCTION ENTRANCE A. REFER TO PLAN SHEET FOR LOCATION B. ITEM INCLUDES FURNISHING AND INSTALLING ENGINEERING FABRIC BENEATH THE STONE MATERIAL C. CONTRACTOR TO FURNISH ALL TOOLS, EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION ENTRANCES D. MINIMUM 6-INCH THICKNESS REQUIRED E. ITEM TO BE PAID PLAN QUANTITY
DIVISION 10 - DEMOLITION		
21	10010-108-A-0	REMOVAL OF EXISTING CROSSING STRUCTURE A. CROSSING MAY BE UTILIZED DURING CONSTRUCTION BUT TO BE REMOVED PRIOR TO FINAL COMPLETION
DIVISION 11 - MISCELLANEOUS		
22	11020-108-A-0	MOBILIZATION A. CONTRACTOR TO NOTIFY ENGINEER AND CITY PRIOR TO MOBILIZING
23	11010-108-A-0	CONSTRUCTION SURVEY A. ITEM INCLUDES ALL NECESSARY SURVEY, STAKING, AND LAYOUT TO CONSTRUCT THE PROJECT, BASED ON CONTROL POINTS ESTABLISHED BY DESIGN SURVEYOR. B. ALL PROJECT STAKING IS CONSIDERED INCIDENTAL C. ITEM INCLUDES RESETTING AND FILING OF TIE CERTIFICATES OF ALL DISTURBED SECTION OR LOT CORNERS

FINAL PLANS

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 APPROVED:  JOB NUMBER: 191900.03
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 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\G\G004 ERI NOTES.dwg

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NO.	DATE	BY	REVISION DESCRIPTION



WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

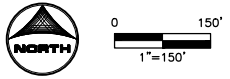
GENERAL
 ERI NOTES - ESTIMATE REFERENCE

SHEET NO.
G005

Xrefs: xgl-2-dm01



1 CONTROL PLAN
SCALE: _____



CONTROL POINT				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
500	CTLSTA MAG	953.94	3469663.13	4930917.70
501	CTLSTA MAG	955.17	3470014.06	4931087.46
5000	CTLSTA MAG-NAIL	953.02	3469720.97	4931761.04
5902	CTLSTA MAG	953.42	3470332.16	4930847.14
5903	CTLSTA MAG	954.59	3470855.02	4930776.27
5904	CTLSTA MAG	956.51	3471066.99	4930340.36
5916	CTLSTA REBAR	951.07	3469313.61	4932768.70
5917	CTLSTA REBAR	949.18	3469545.16	4932287.62
5918	CTLSTA REBAR	959.04	3469546.01	4931341.99
5919	CTLSTA MAG	982.63	3471181.68	4930945.93
5920	CTLSTA MAG	969.02	3471332.21	4930599.19
8010	CTLSTA CUT X R8	953.89	3469988.07	4931794.37

FINAL PLANS

Xref: xref-2-dh01: XV-2-BASE; XV-2-SURF; XCX-IMAGE

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
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WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

SURVEY & MAPPING
 SURVEY CONTROL

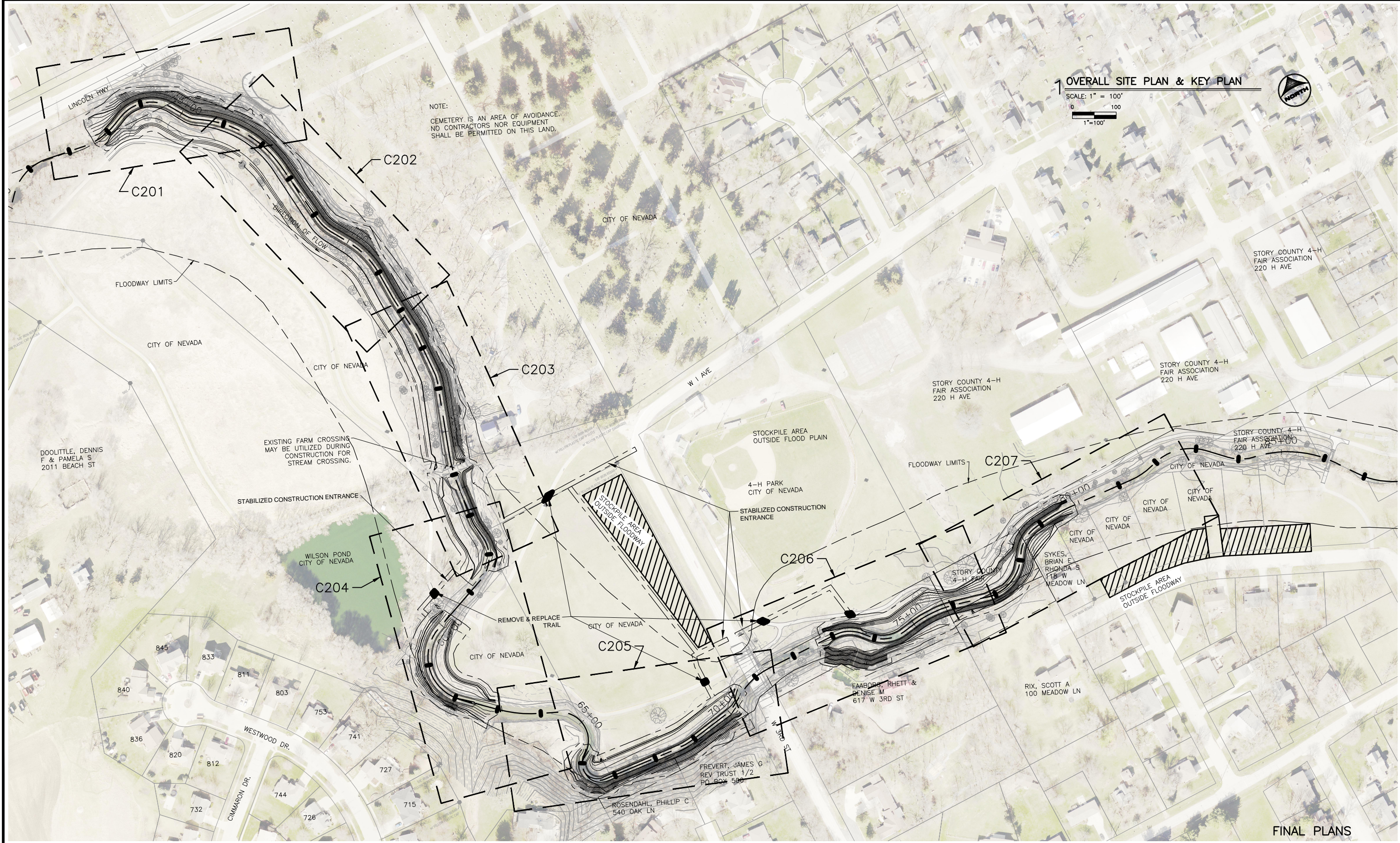
SHEET NO.
 V001

1 OVERALL SITE PLAN & KEY PLAN

SCALE: 1" = 100'
 0 100
 1"=100'



NOTE:
 CEMETERY IS AN AREA OF AVOIDANCE.
 NO CONTRACTORS NOR EQUIPMENT
 SHALL BE PERMITTED ON THIS LAND.



FINAL PLANS

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 APPROVED: KRB
 CAD DATE: 1/14/2025 12:40:49 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C101 OVERALL SITE PLAN & KEY PLAN.dwg

JOB DATE: 2025
 JOB NUMBER: 191900.03

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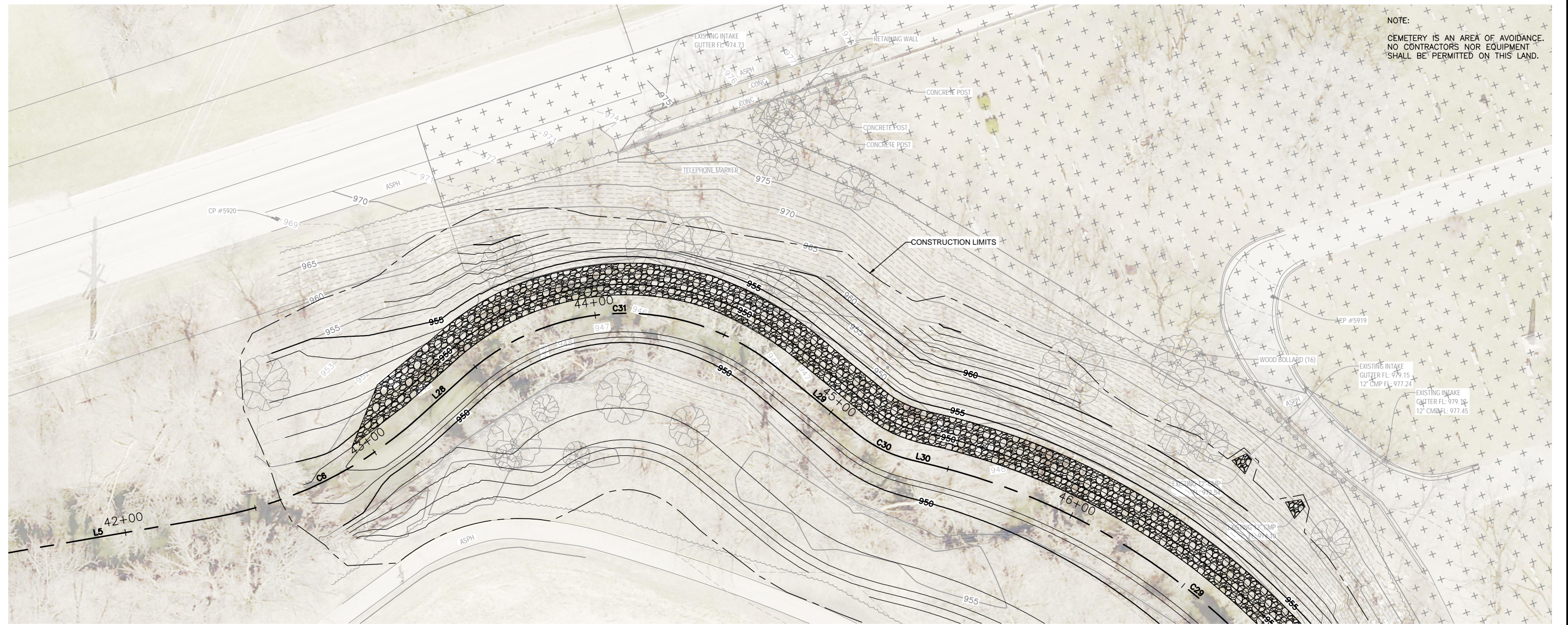


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 OVERALL SITE PLAN & KEY PLAN

SHEET NO.
C101

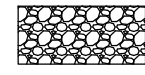
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1 PLAN
SCALE: 1" = 20'



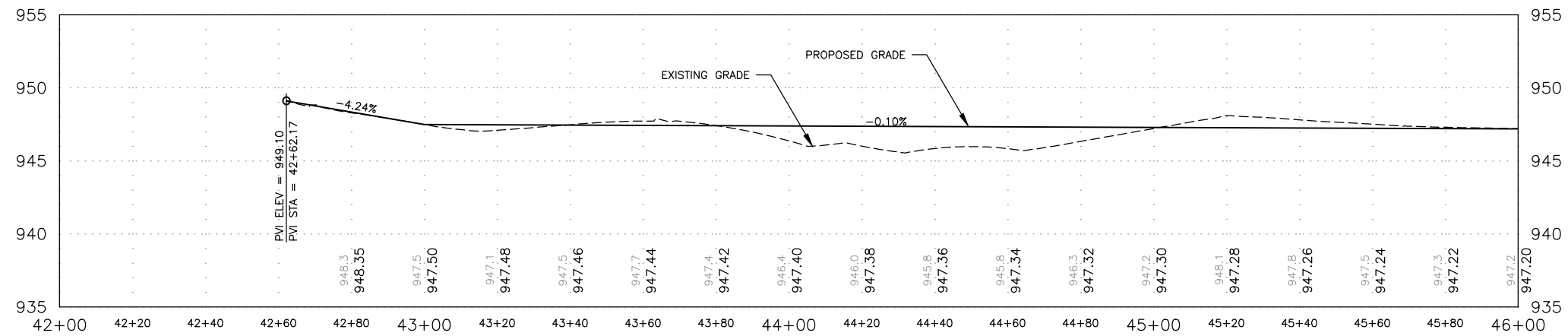
LEGEND



CLASS E RIPRAP



AREA OF AVOIDANCE



2 PROFILE
SCALE: 1" = 20'

FINAL PLANS

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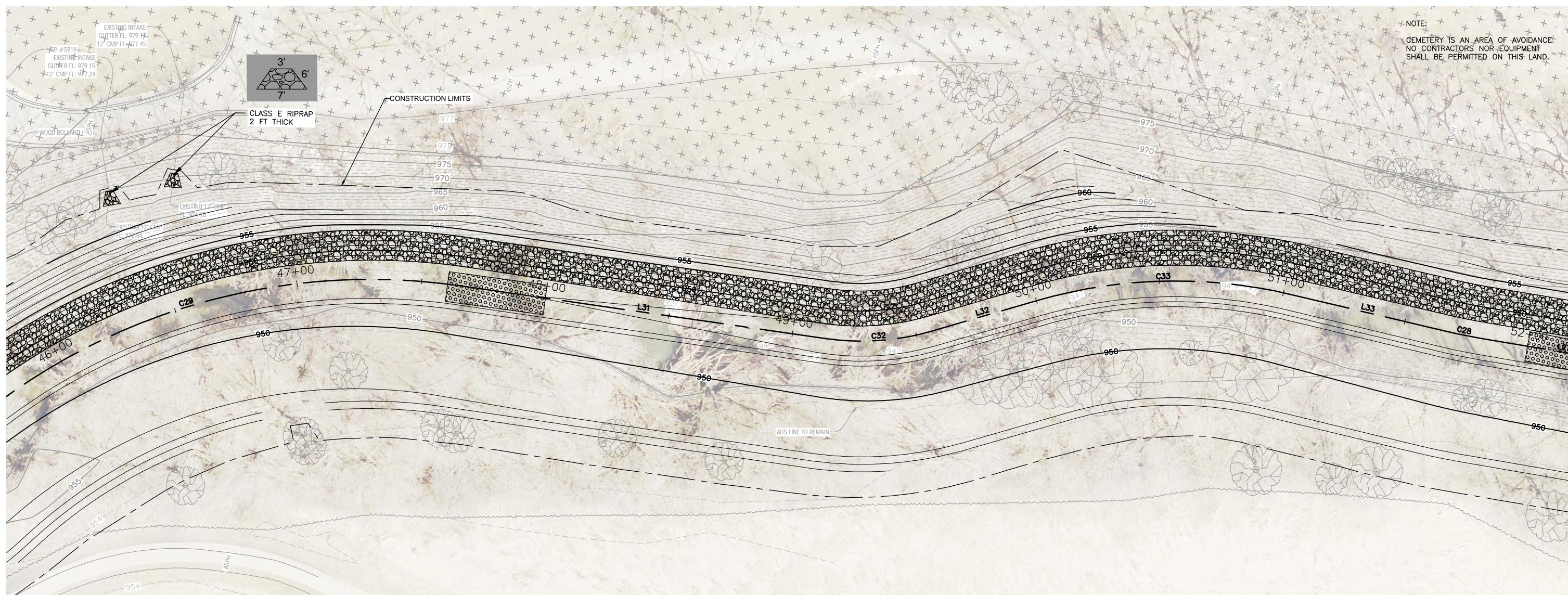
NO.	DATE	BY	REVISION DESCRIPTION

WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
PLAN & PROFILE - STA 42+40 TO 46+00

SHEET NO.
C201

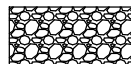
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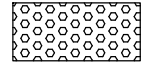
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LEGEND



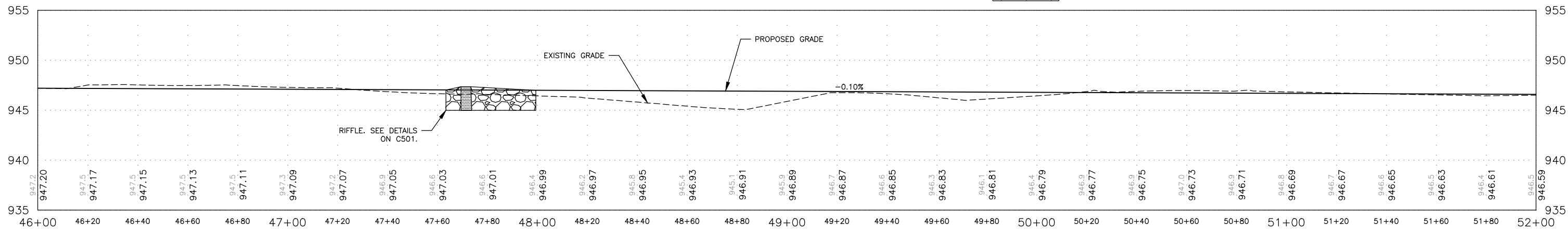
CLASS E RIPRAP



RIFFLE, SEE DETAIL



AREA OF AVOIDANCE



2 PROFILE
SCALE: 1" = 20'

FINAL PLANS

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NO.	DATE	BY	REVISION DESCRIPTION

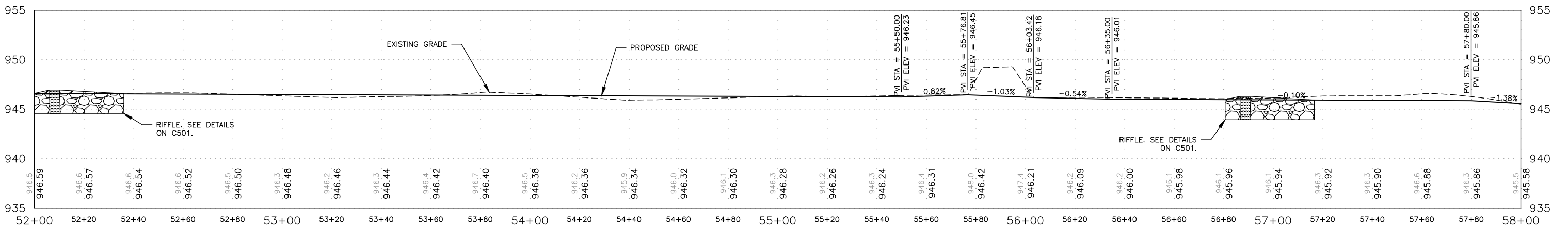
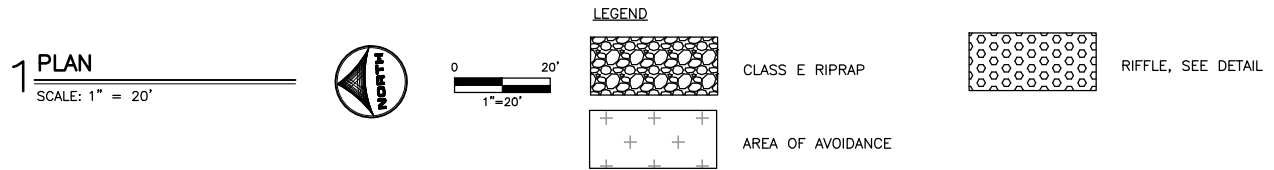
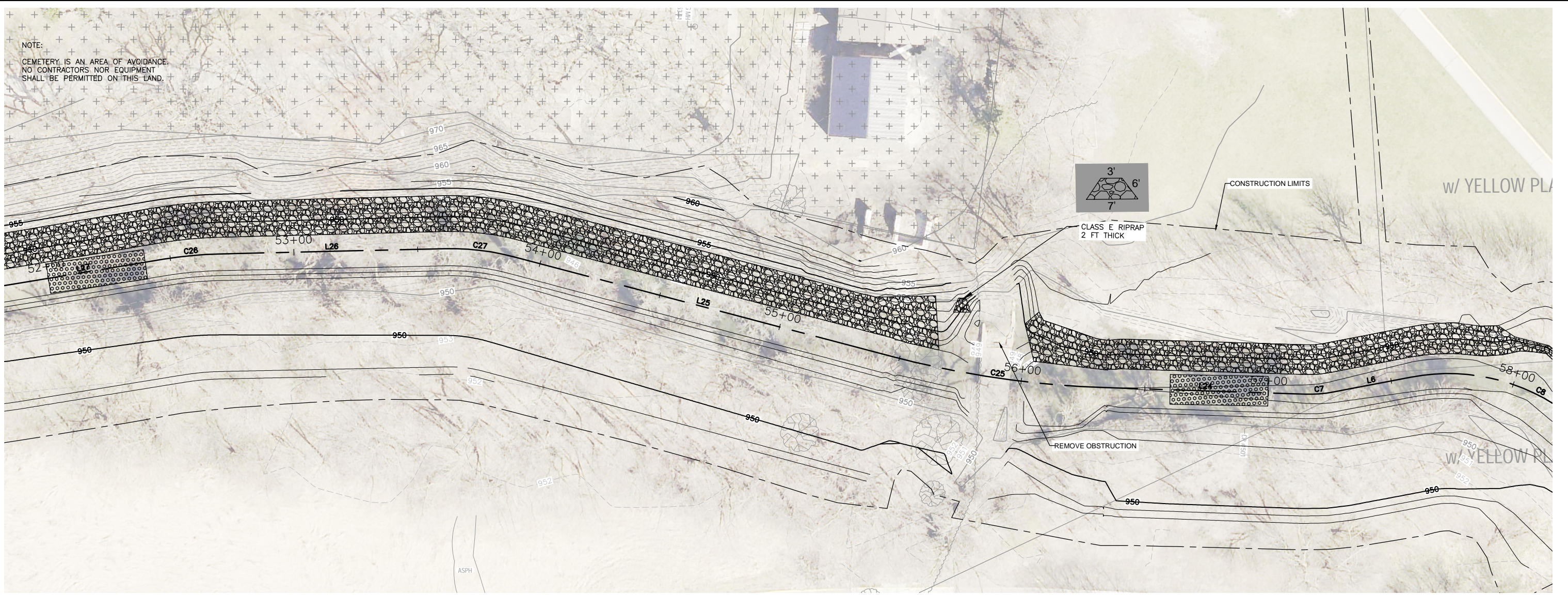
WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 PLAN & PROFILE - STA 46+00 TO 52+00

SHEET NO.
C202

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NOTE:
CEMETERY IS AN AREA OF AVOIDANCE.
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SHALL BE PERMITTED ON THIS LAND.



FINAL PLANS

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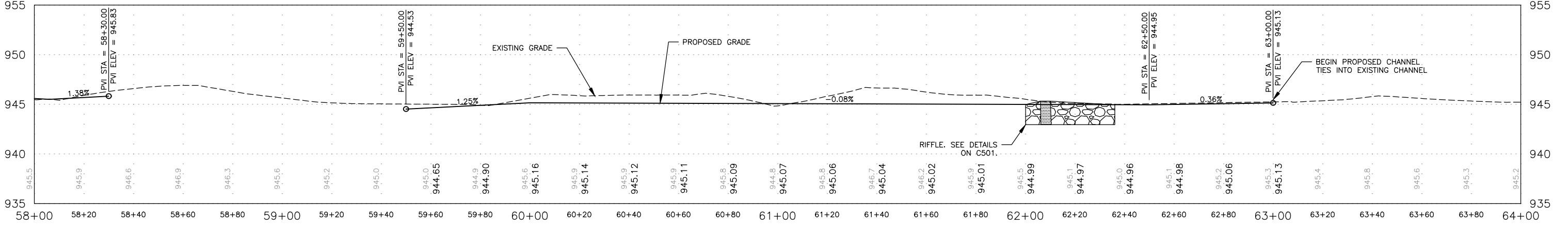
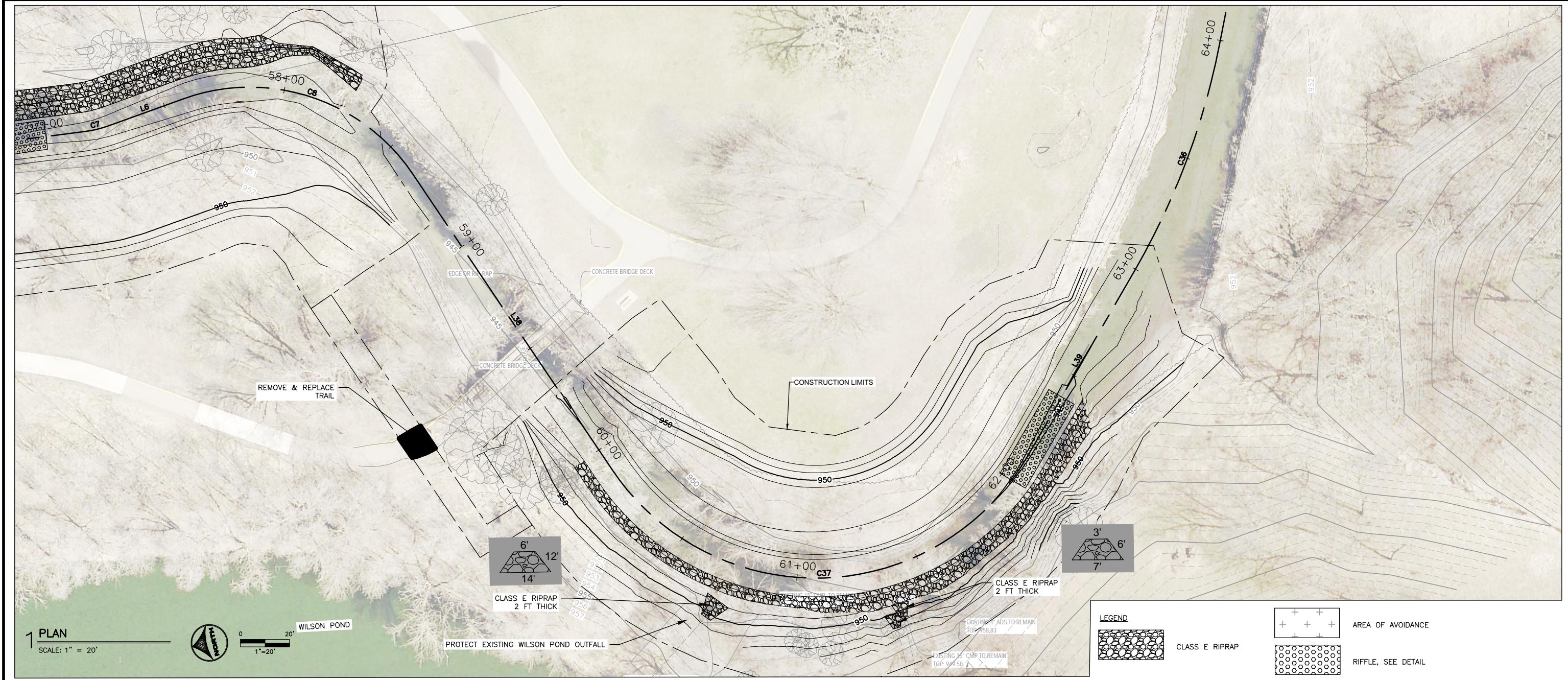
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WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
PLAN & PROFILE - STA 52+00 TO 58+00

SHEET NO.
C203

Xref: xg-2-dn01; XC-2-SURF; XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XC-2-PROF; XC-2-IMAGE; XC-2-HIGH; XC-2-LOW; XC-2-STRM-HIGH



2 PROFILE
SCALE: 1" = 20'

FINAL PLANS

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JOB DATE: 2025
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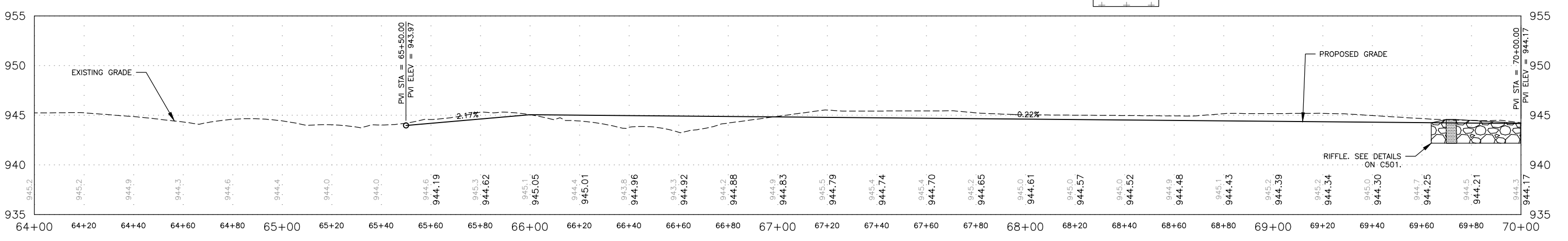
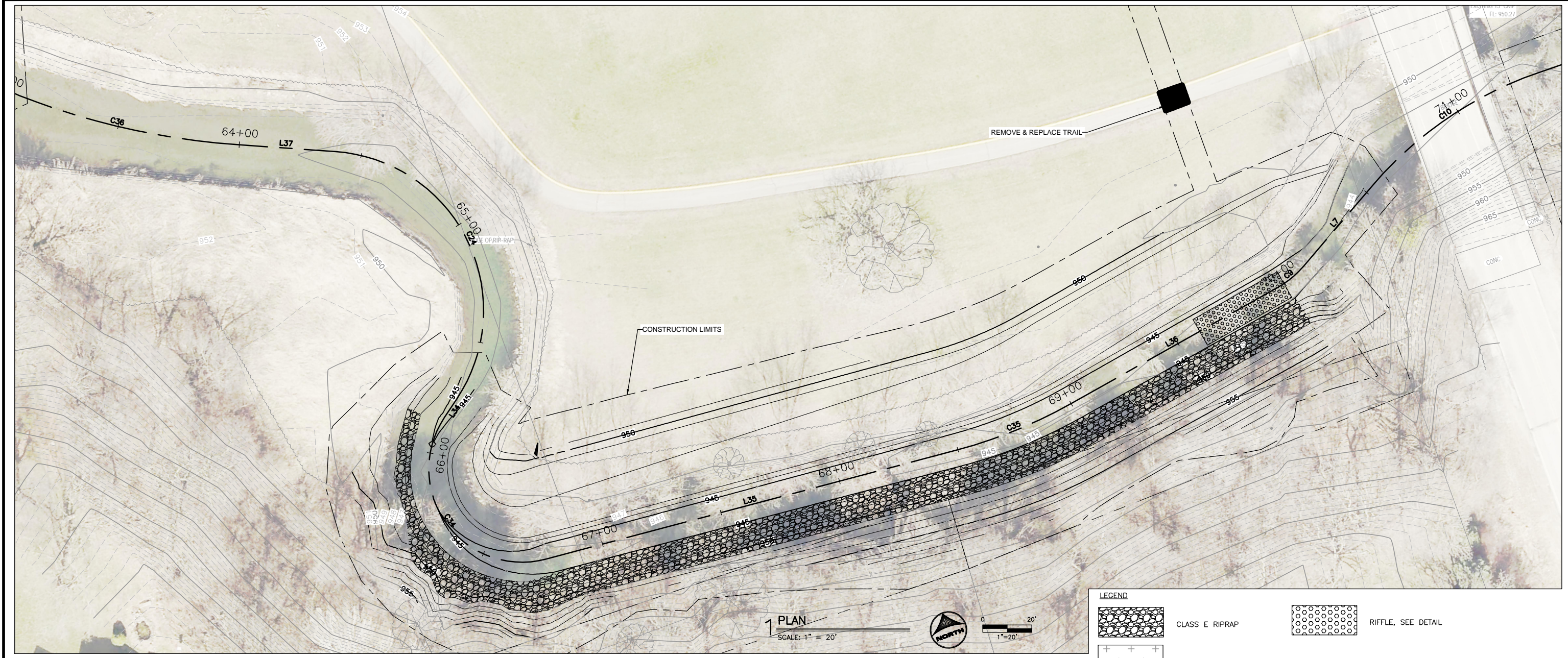
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WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 PLAN & PROFILE - STA 58+00 TO 64+00

SHEET NO.
C204

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FINAL PLANS

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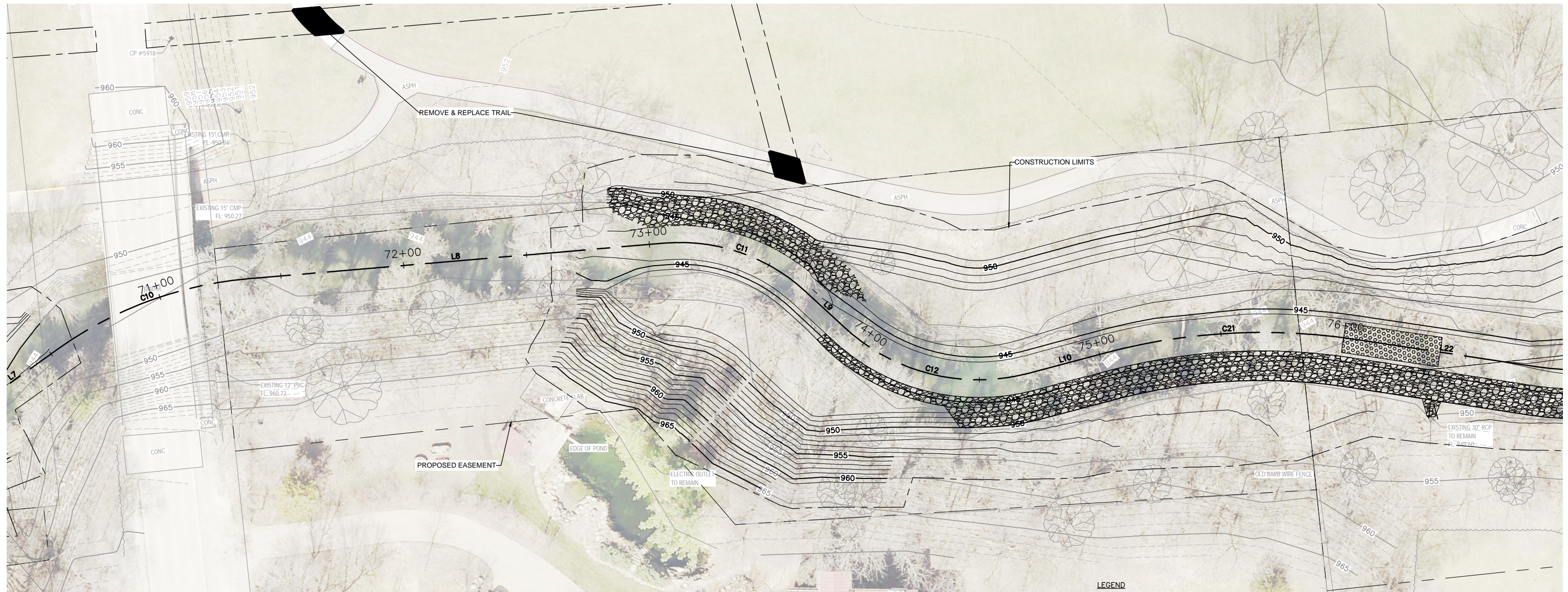
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WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

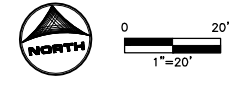
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PLAN & PROFILE - STA 64+00 TO 70+00

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C205

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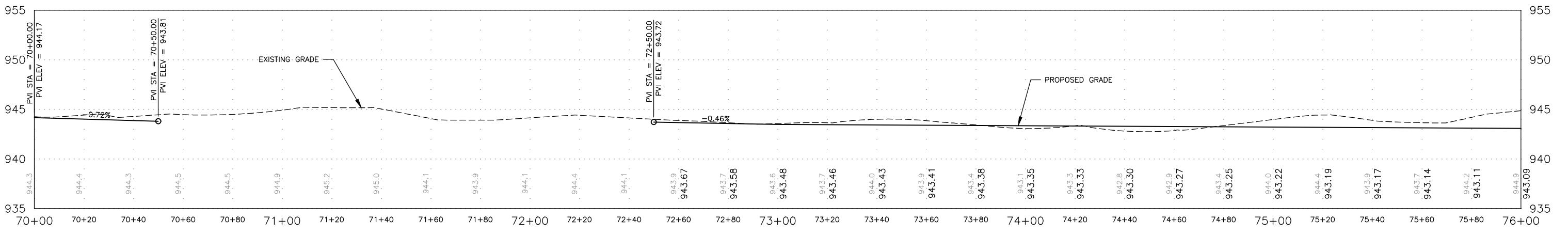


1 PLAN
SCALE: 1" = 20'



LEGEND

- CLASS E RIPRAP
- RIFFLE, SEE DETAIL
- AREA OF AVOIDANCE



2 PROFILE
SCALE: 1" = 20'

FINAL PLANS

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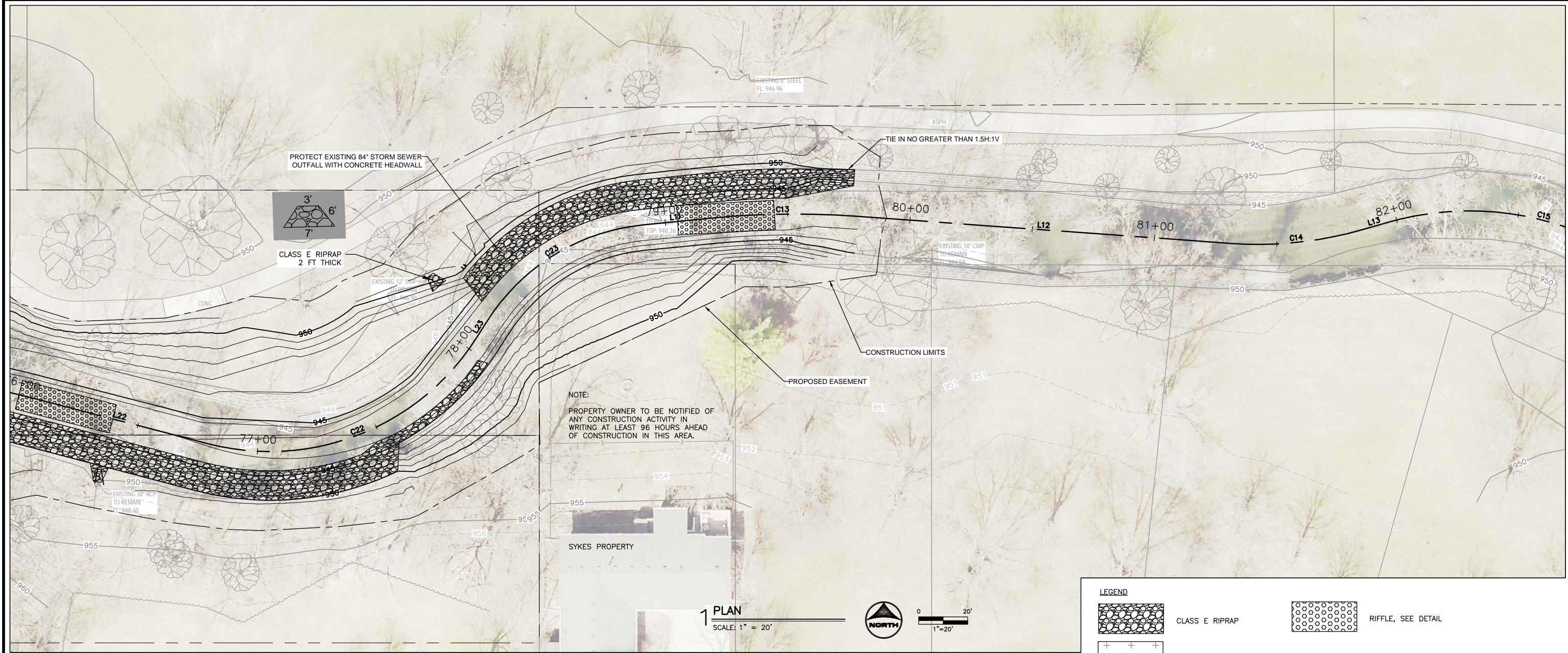
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WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
PLAN & PROFILE - STA 70+00 TO 76+00

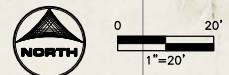
SHEET NO.
C206

Xref: xg-2-dwg01: XC-2-SURF; XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XC-2-PROF; XC-2-IMAGE; XC-2-HIGH; XC-2-HIGH; XC-2-CONTR; XC-2-STRM-HIGH



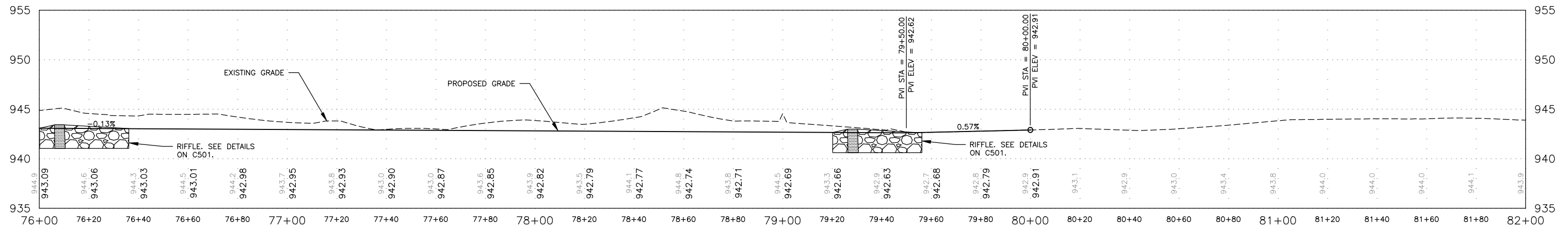
NOTE:
PROPERTY OWNER TO BE NOTIFIED OF ANY CONSTRUCTION ACTIVITY IN WRITING AT LEAST 96 HOURS AHEAD OF CONSTRUCTION IN THIS AREA.

1 PLAN
SCALE: 1" = 20'



LEGEND

- CLASS E RIPRAP
- RIFFLE, SEE DETAIL
- AREA OF AVOIDANCE



2 PROFILE
SCALE: 1" = 20'

FINAL PLANS

DRAWN BY: KCJ
APPROVED: KRB
CAD DATE: 1/14/2025 12:48:23 PM
CAD FILE: J:\2019\191900\CAD - Indian Creek\Drawings\C207 PLAN & PROFILE - STA 76+00 TO 82+00.dwg

JOB DATE: 2025
JOB NUMBER: 191900.03

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

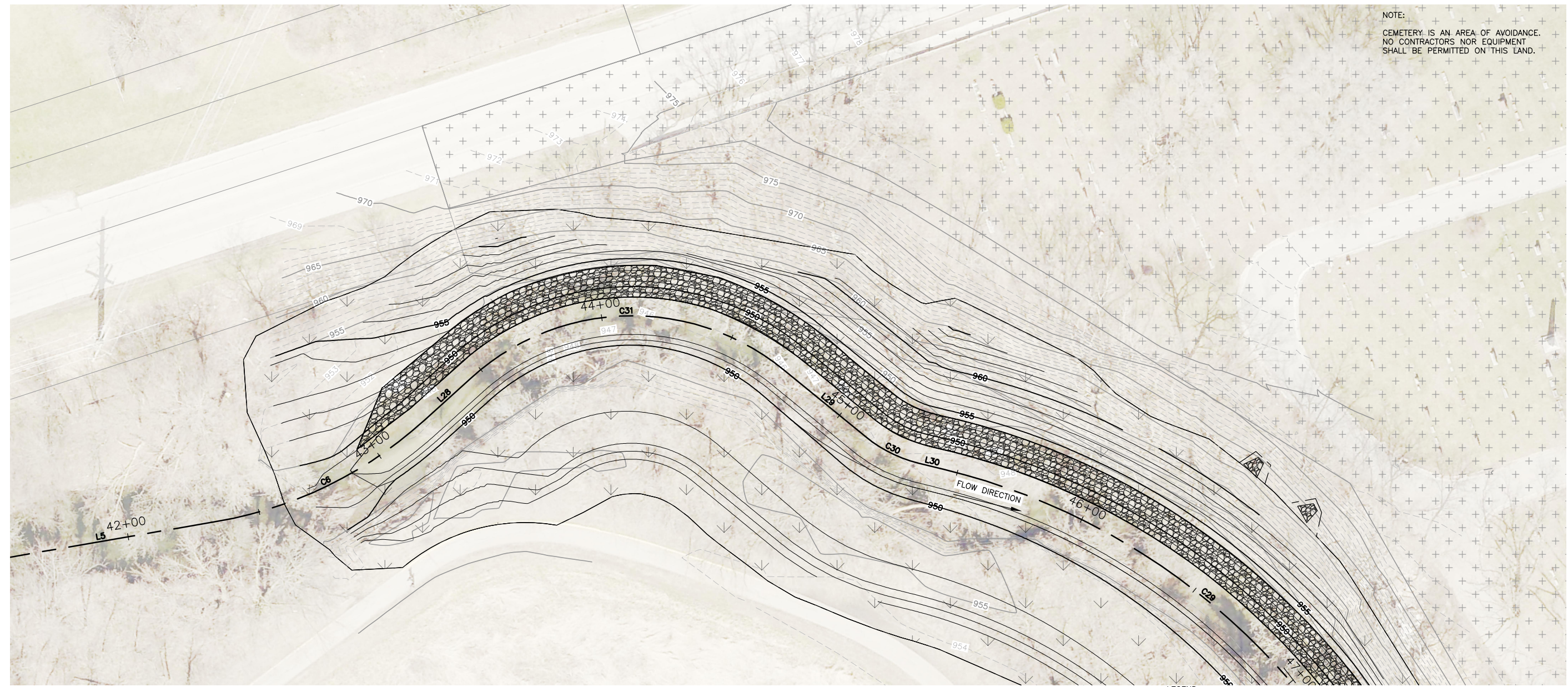
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
PLAN & PROFILE - STA 76+00 TO 82+00

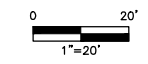
SHEET NO.
C207

Xrefs: xg-2-dn01; XC-2-SURF; XV-2-BASE; XV-2-FLOW; XC-2-ALIGN; XC-2-PROF; XC-2-IMAGE; XC-2-HIGH; XC-2-CONTRD; XC-2-STRM-HIGH

NOTE:
CEMETERY IS AN AREA OF AVOIDANCE.
NO CONTRACTORS NOR EQUIPMENT
SHALL BE PERMITTED ON THIS LAND.



1 PLAN
SCALE: 1" = 20'



LEGEND

	SUDAS NATIVE GRASS
	SUDAS TYPE 1 SEEDING
	AREA OF AVOIDANCE
	CLASS E RIPRAP

FINAL PLANS

Xref: xg-2-dn01: XC-2-SURF, XV-2-BOW, XI-2-SURF, XCX-IMAGE, XC-2-ALON, XC-2-STRM-HTCH, XC-2-RESTORE-HTCH, XC-2-TEMP-SEEDING

DRAWN BY: KCJ	JOB DATE: 2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 [] 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. C208 PERMANENT SEEDING
APPROVED: KRB	JOB NUMBER: 191900.03	
CAD DATE: 11/11/2024 5:02:29 PM		
CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\208 PERMANENT SEEDING		

NO.	DATE	BY	REVISION DESCRIPTION

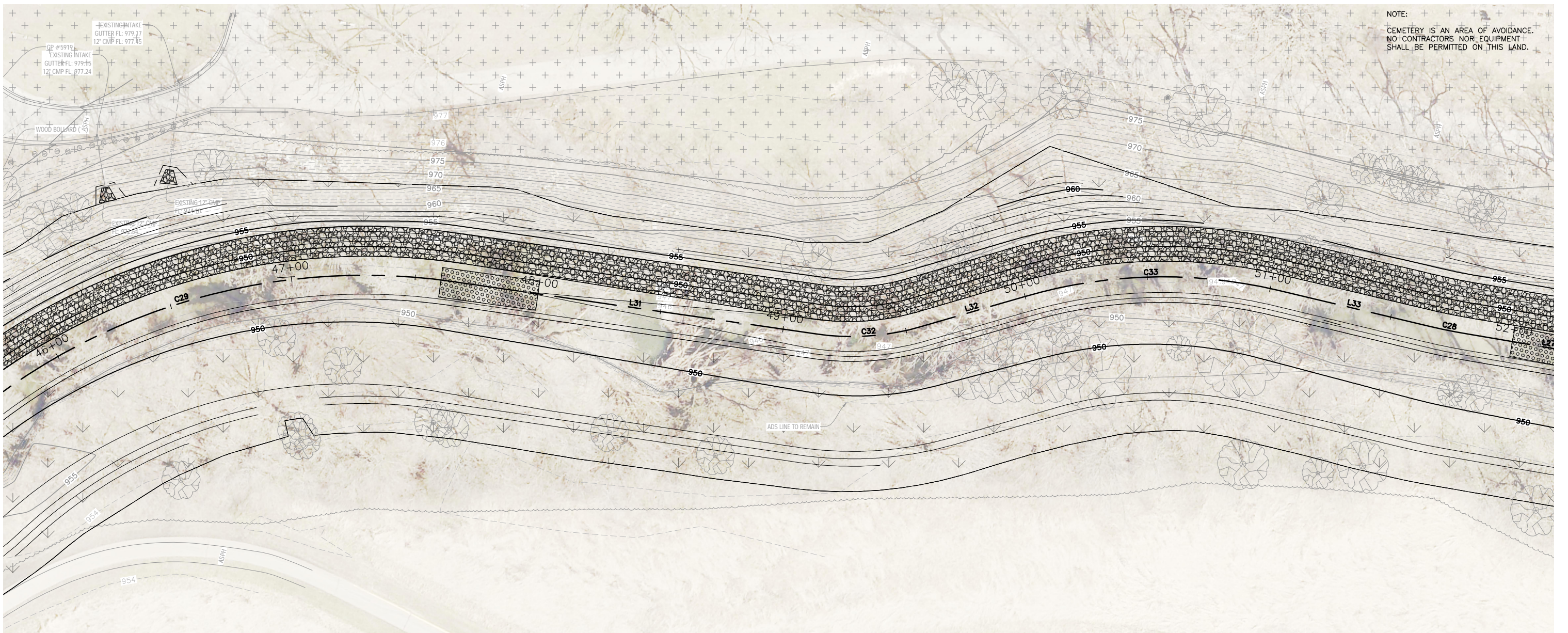
HRGreen.com

WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

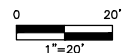
CIVIL
PERMANENT SEEDING PLAN

SHEET NO.
C208

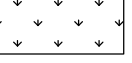
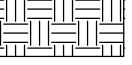


NOTE:
CEMETERY IS AN AREA OF AVOIDANCE.
NO CONTRACTORS NOR EQUIPMENT
SHALL BE PERMITTED ON THIS LAND.



1 PLAN
SCALE: 1" = 20'



LEGEND

-  SUDAS NATIVE GRASS
-  SUDAS TYPE 1 SEEDING
-  AREA OF AVOIDANCE
-  CLASS E RIPRAP

FINAL PLANS

DRAWN BY: KCJ	JOB DATE: 2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0" = 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. PLAN.dwg
APPROVED: KRB	JOB NUMBER: 191900.03	
CAD DATE: 11/11/2024 5:02:48 PM		
CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C209 PERMANENT SEEDING		

NO.	DATE	BY	REVISION DESCRIPTION



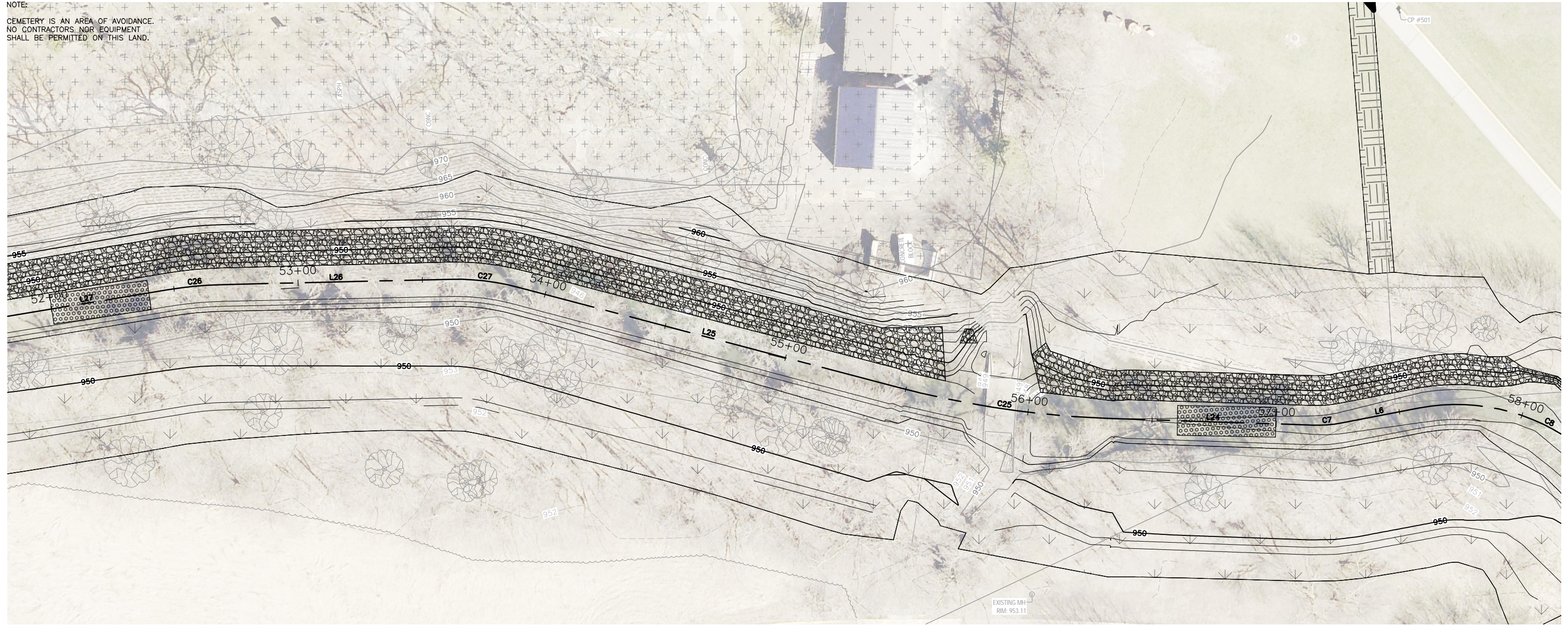
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
PERMANENT SEEDING PLAN

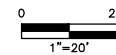
SHEET NO.
C209

Xref: xg1-2-dn01; XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XCX-IMAGE; XC-2-STRM-HTCH; XC-2-RESTORE-HTCH; XC-2-TMP-SEEDING; XC-2-SURF

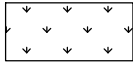



NOTE:
 CEMETERY IS AN AREA OF AVOIDANCE.
 NO CONTRACTORS NOR EQUIPMENT
 SHALL BE PERMITTED ON THIS LAND.



1 PLAN
 SCALE: 1" = 20'



LEGEND

-  SUDAS NATIVE GRASS
-  SUDAS TYPE 1 SEEDING
-  AREA OF AVOIDANCE
-  CLASS E RIPRAP

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 11/11/2024 5:05:02 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C210 PERMANENT SEEDING PLAN.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



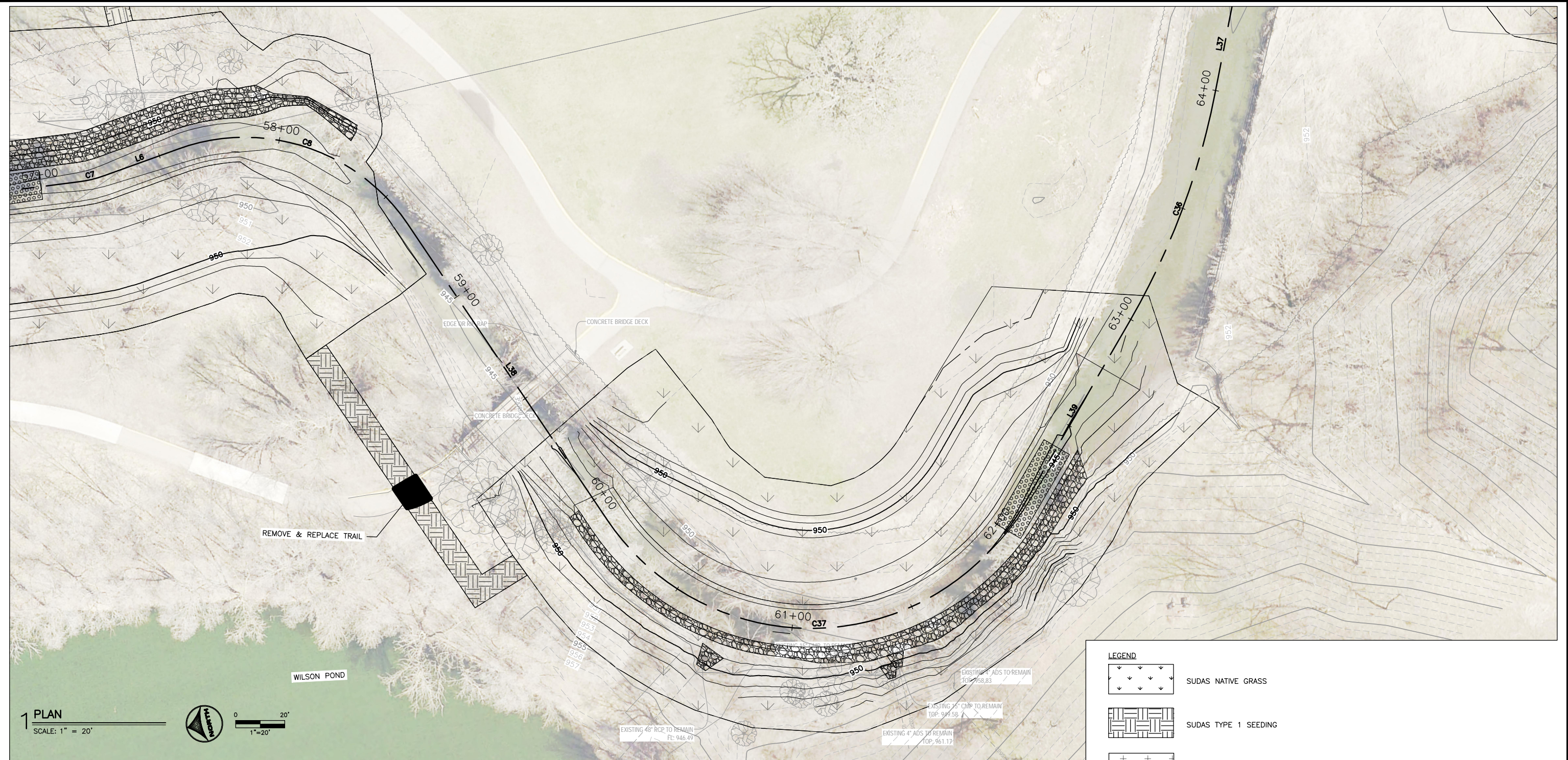
WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 PERMANENT SEEDING PLAN

SHEET NO.
 C210

Xrefs: xgl-2-dn01; XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XCX-IMAGE; XC-2-STRM-HTCH; XC-2-RESTORE-HTCH; XC-2-TMP-SEEDING; XC-2-SURF

Xref: xg-2-dn01: XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XCX-IMAGE; XC-2-STRM-HTCH; XC-2-RESTORE-HTCH; XC-2-TMP-SEEDING; XC-2-SURF



LEGEND	
	SUDAS NATIVE GRASS
	SUDAS TYPE 1 SEEDING
	AREA OF AVOIDANCE
	CLASS E RIPRAP

FINAL PLANS

DRAWN BY: KCJ	JOB DATE: 2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0" = 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
APPROVED: KRB	JOB NUMBER: 191900.03	
CAD DATE: 11/11/2024 5:05:22 PM		
CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C211 PERMANENT SEEDING PLAN.dwg		

NO.	DATE	BY	REVISION DESCRIPTION



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WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 PERMANENT SEEDING PLAN

SHEET NO.
C211

Xref: xg-2-dn01; XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XCX-IMAGE; XC-2-STRM-HTCH; XC-2-RESTORE-HTCH; XC-2-TMP-SEEDING; XC-2-SURF



LEGEND

	SUDAS NATIVE GRASS
	SUDAS TYPE 1 SEEDING
	AREA OF AVOIDANCE
	CLASS E RIPRAP

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 11/11/2024 5:07:13 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C212 PERMANENT SEEDING

BAR IS ONE INCH ON
 OFFICIAL DRAWINGS.
 0 [] 1"

IF NOT ONE INCH,
 ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

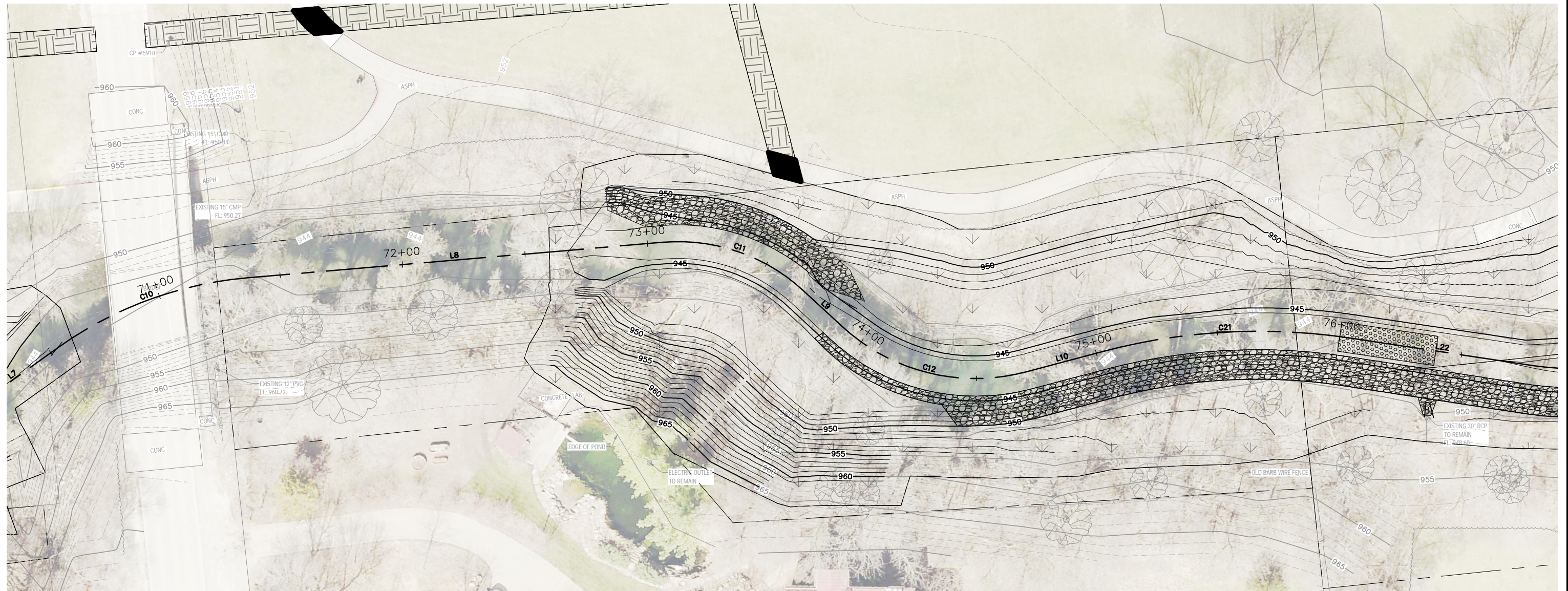


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
PERMANENT SEEDING PLAN

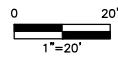
SHEET NO.
C212

Xref: xg-2-dn01; XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XCX-IMAGE; XC-2-STRM-HITCH; XC-2-RESTORE-HITCH; XC-2-TMP-SEEDING; XC-2-SURF

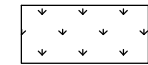


1 PLAN

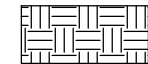
SCALE: 1" = 20'



LEGEND



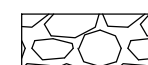
SUDAS NATIVE GRASS



SUDAS TYPE 1 SEEDING



AREA OF AVOIDANCE



CLASS E RIPRAP

FINAL PLANS

DRAWN BY: KCJ	JOB DATE: 2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 [] 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. PERMANENT SEEDING
APPROVED: KRB	JOB NUMBER: 191900.03	
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NO.	DATE	BY	REVISION DESCRIPTION



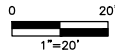
WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
PERMANENT SEEDING PLAN

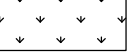


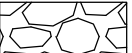
SHEET NO.
C213



1 PLAN
SCALE: 1" = 20'



LEGEND

-  SUDAS NATIVE GRASS
-  SUDAS TYPE 1 SEEDING
-  AREA OF AVOIDANCE
-  CLASS E RIPRAP

Xrefs: xg1-2-dn01: XV-2-BASE; XV-2-ROW; XV-2-SURF; XC-2-ALIGN; XCX-IMAGE; XC-2-STRM-HTCH; XC-2-RESTORE-HTCH; XC-2-TMP-SEEDING; XC-2-SURF

FINAL PLANS

DRAWN BY: KCJ
APPROVED: KRB
CAD DATE: 11/11/2024 5:07:29 PM
CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C214 PERMANENT SEEDING

JOB DATE: 2025
JOB NUMBER: 191900.03

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
0 1"

IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

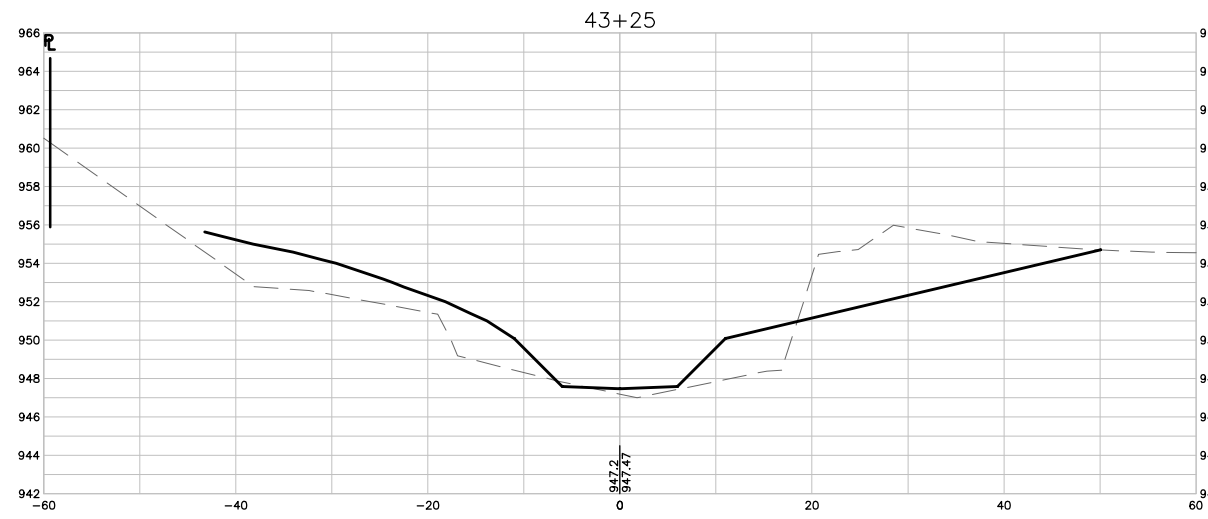
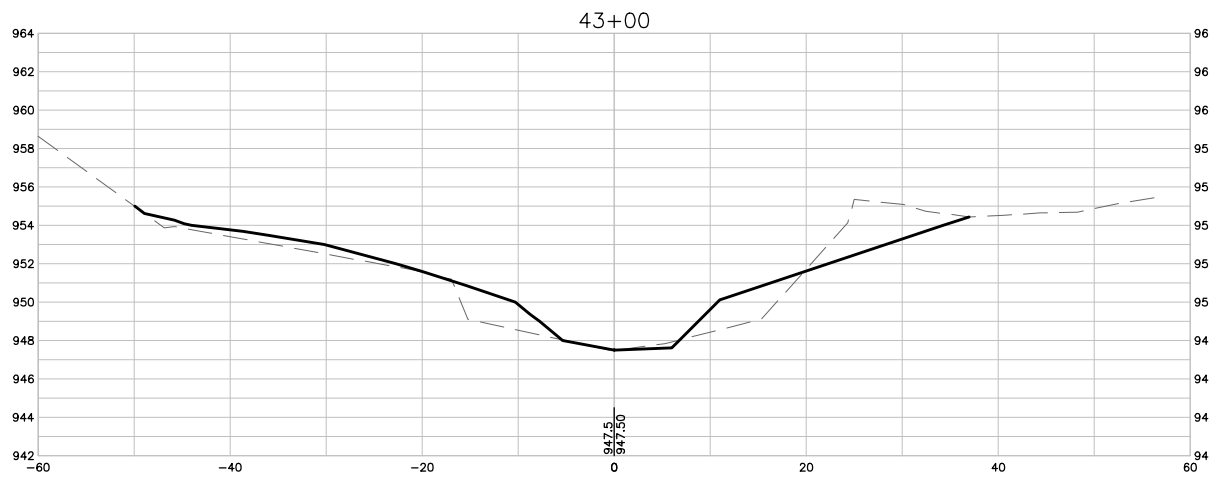
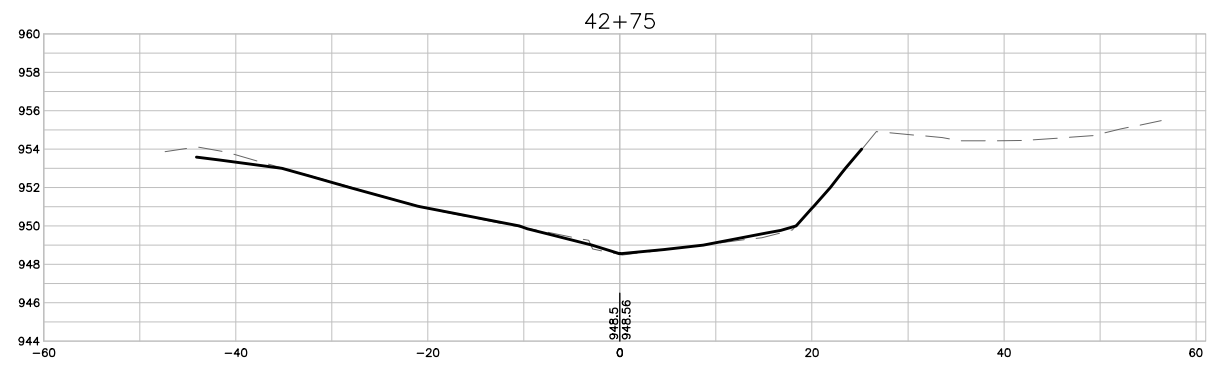
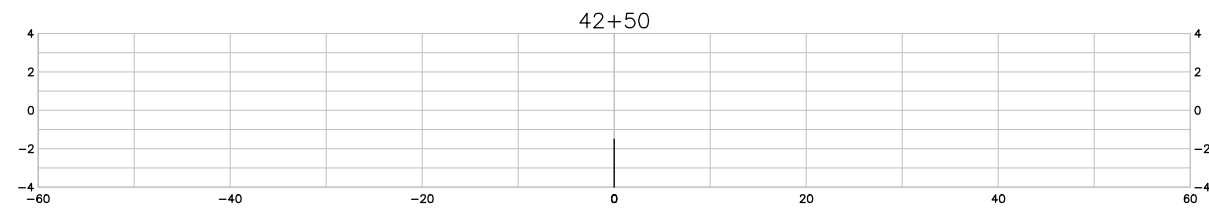
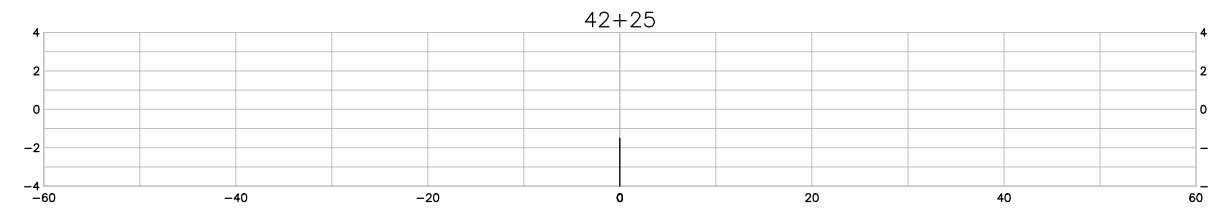
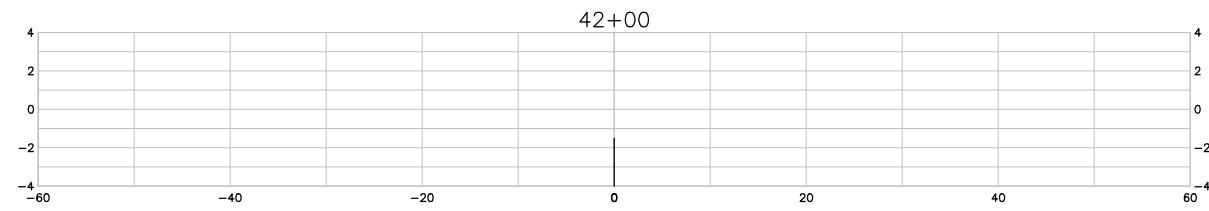
NO.	DATE	BY	REVISION DESCRIPTION



WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
PERMANENT SEEDING PLAN

SHEET NO.
C214



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 7:56:47 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C301 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

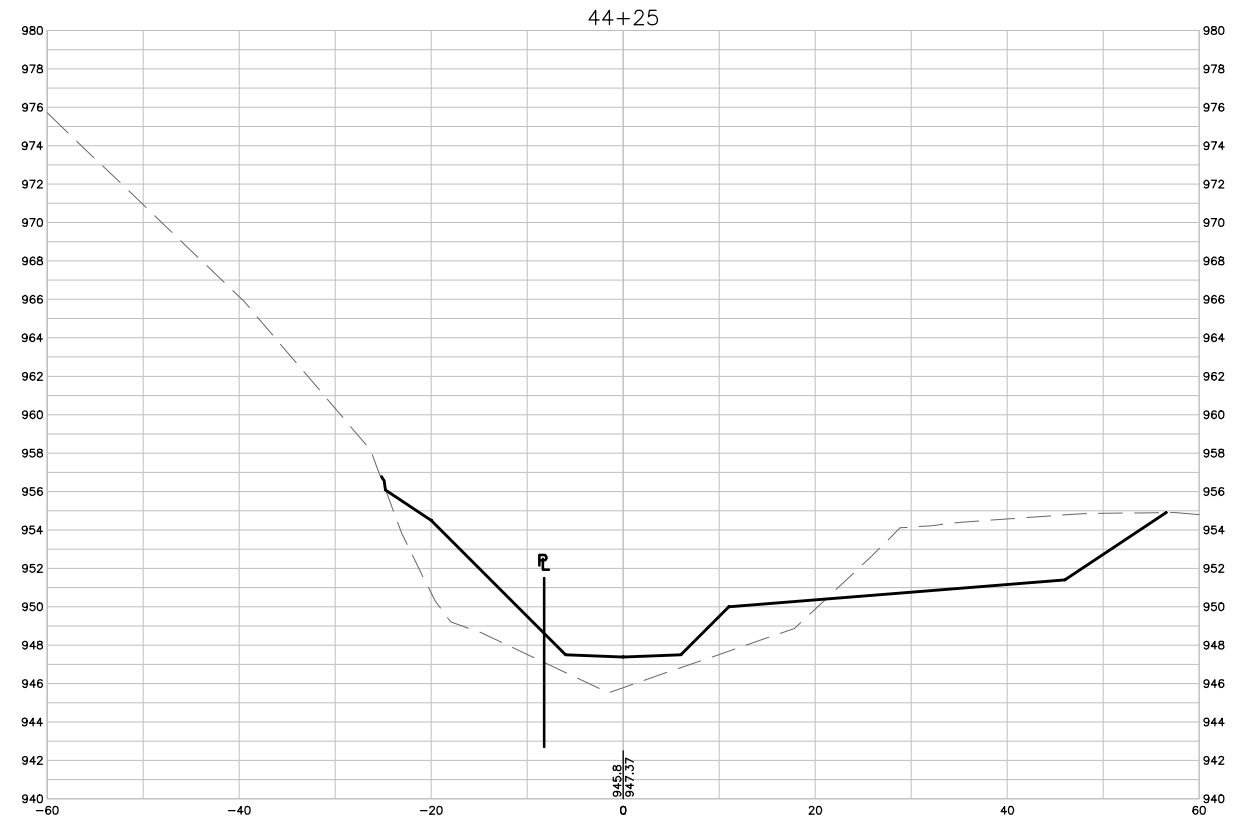
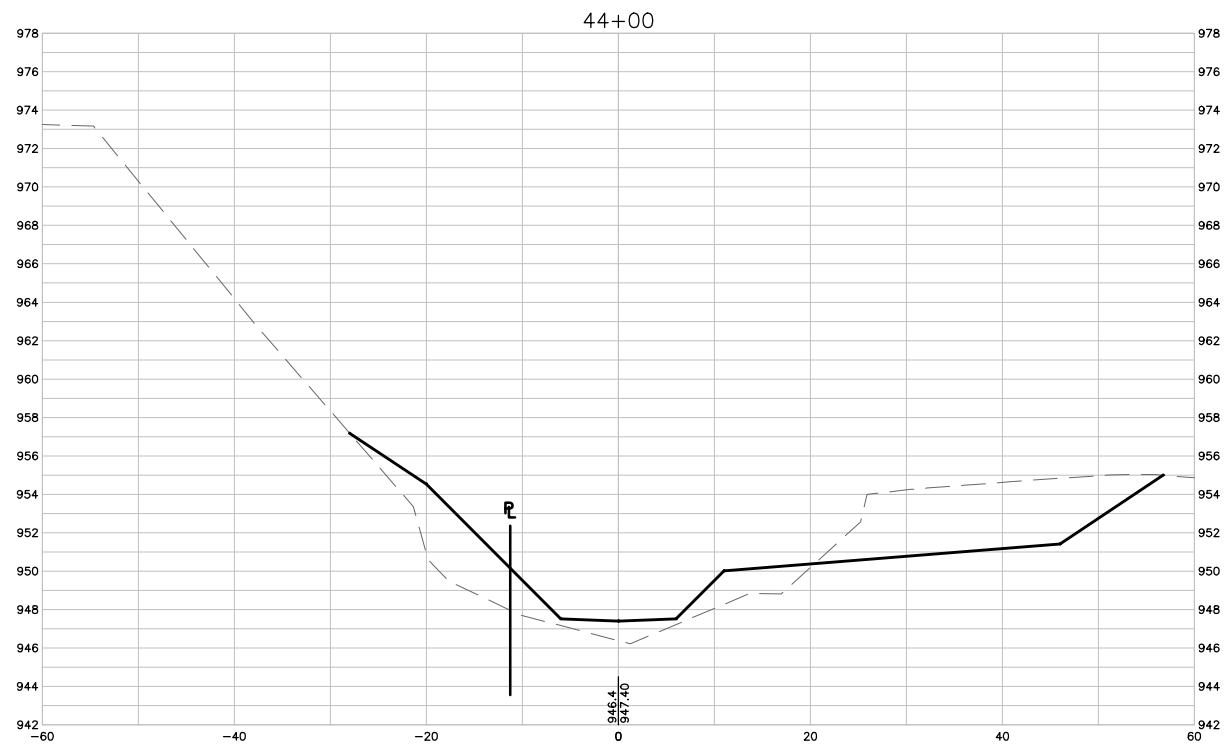
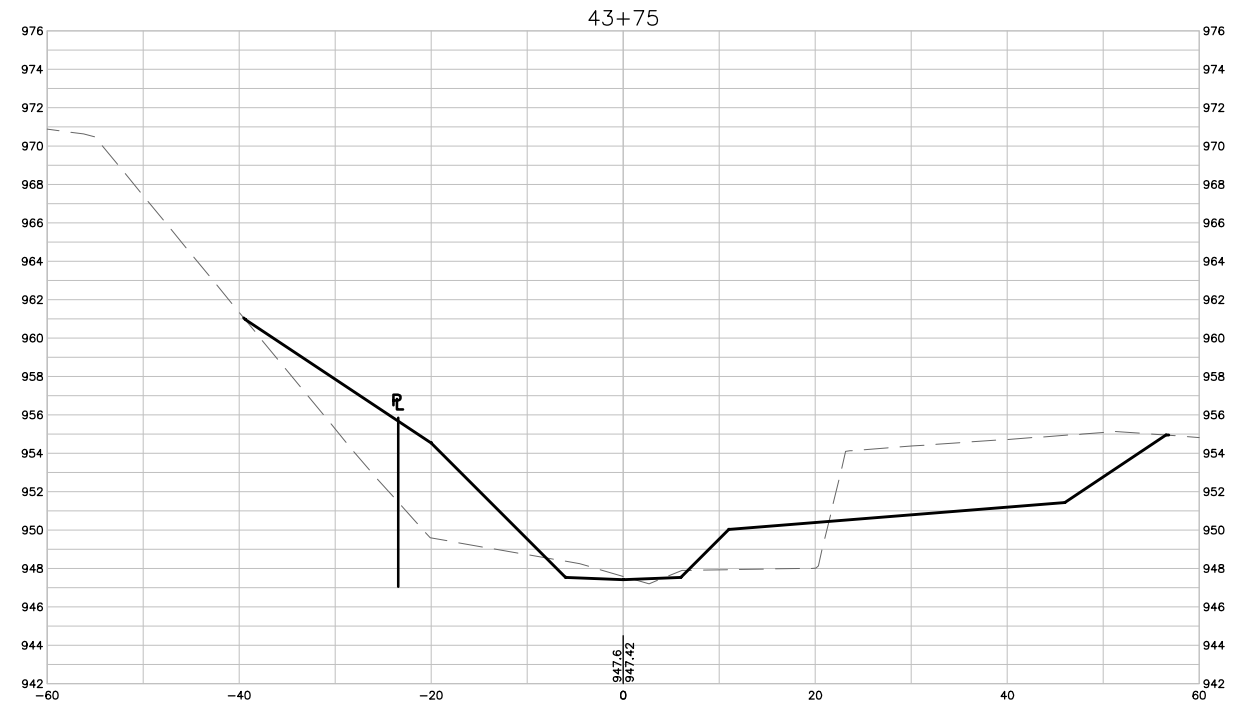
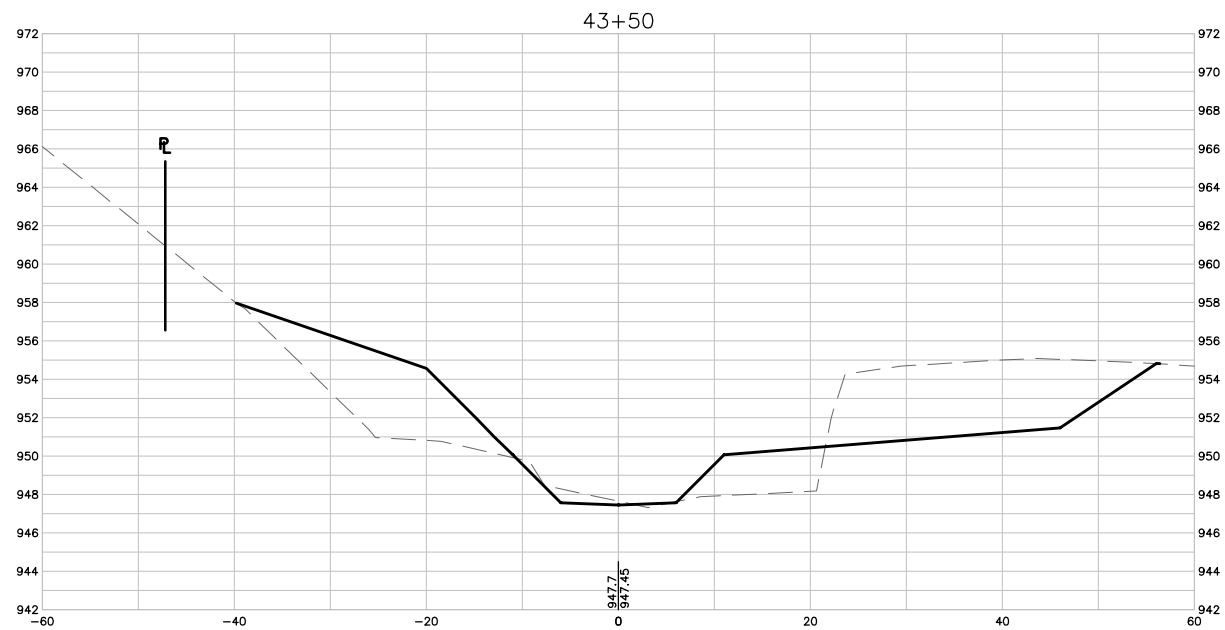


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C301

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 8:25:13 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C302 CROSS SECTIONS.dwg

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 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

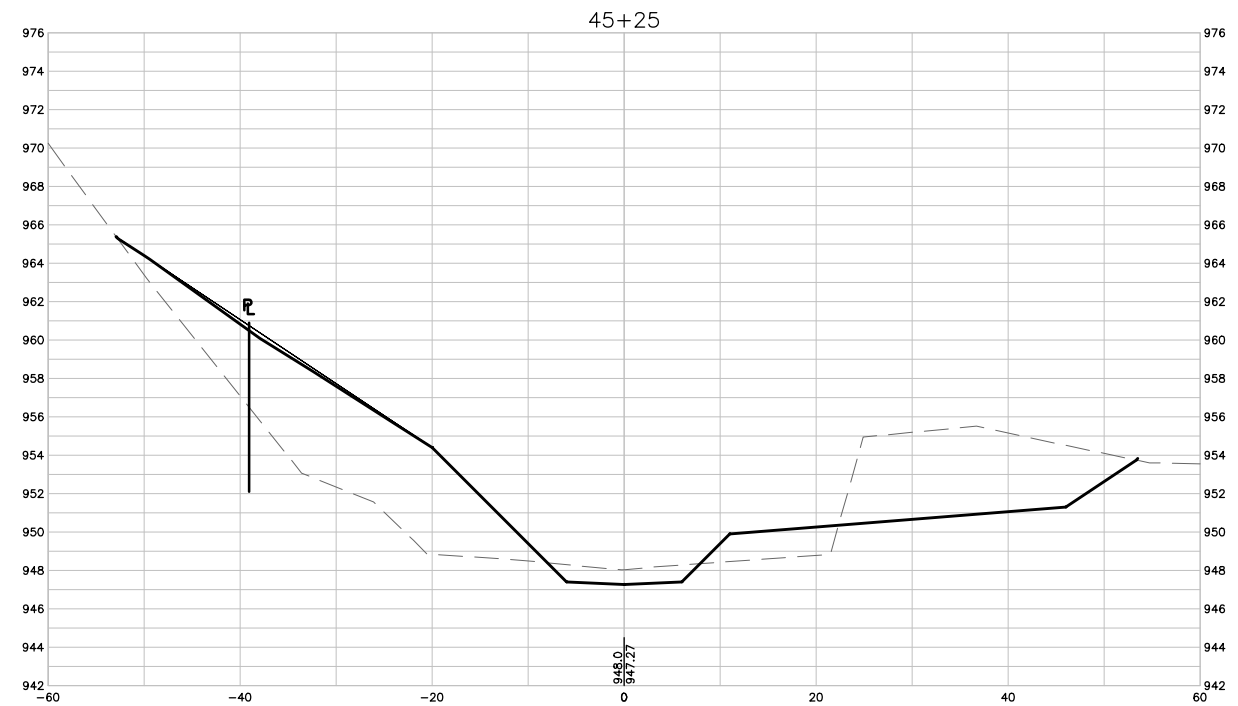
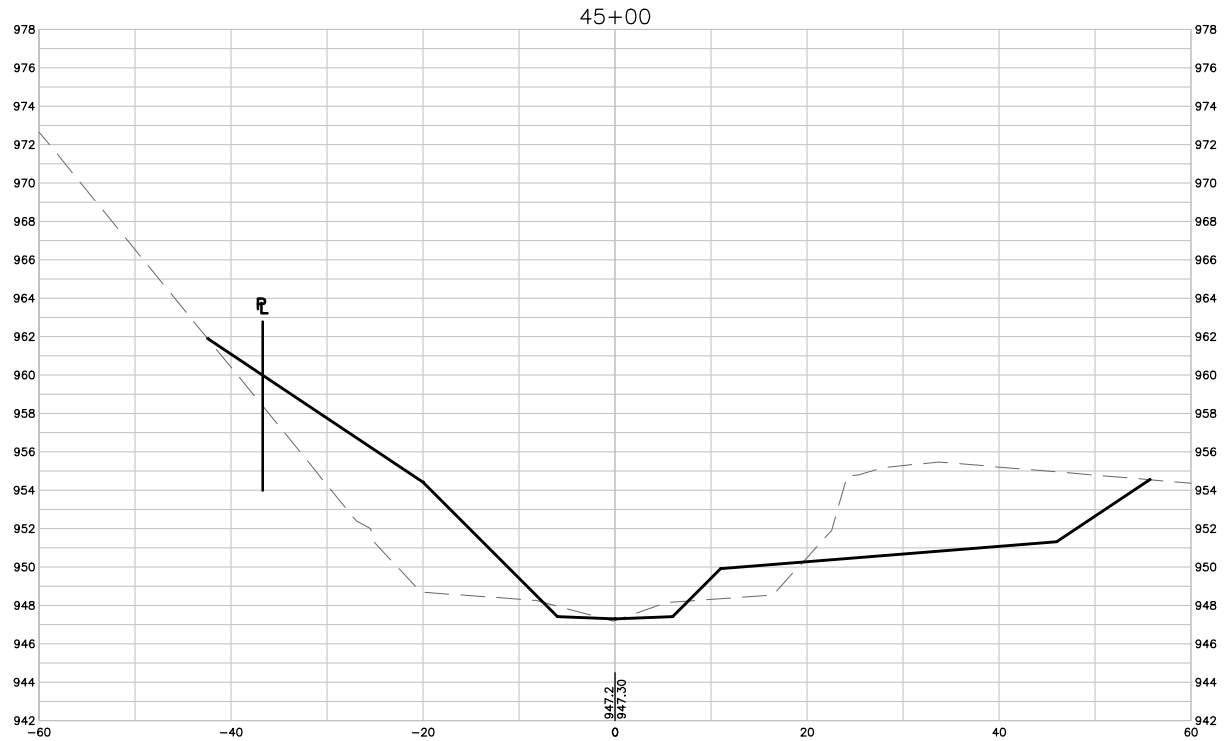
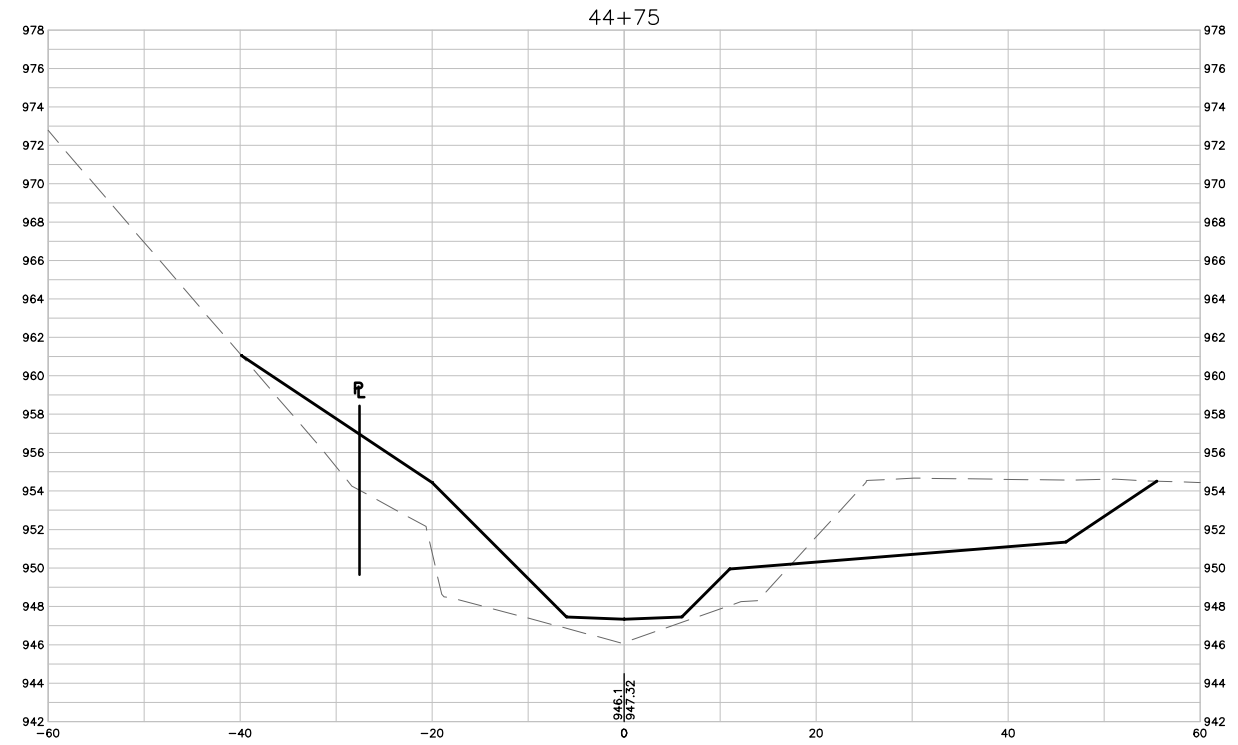
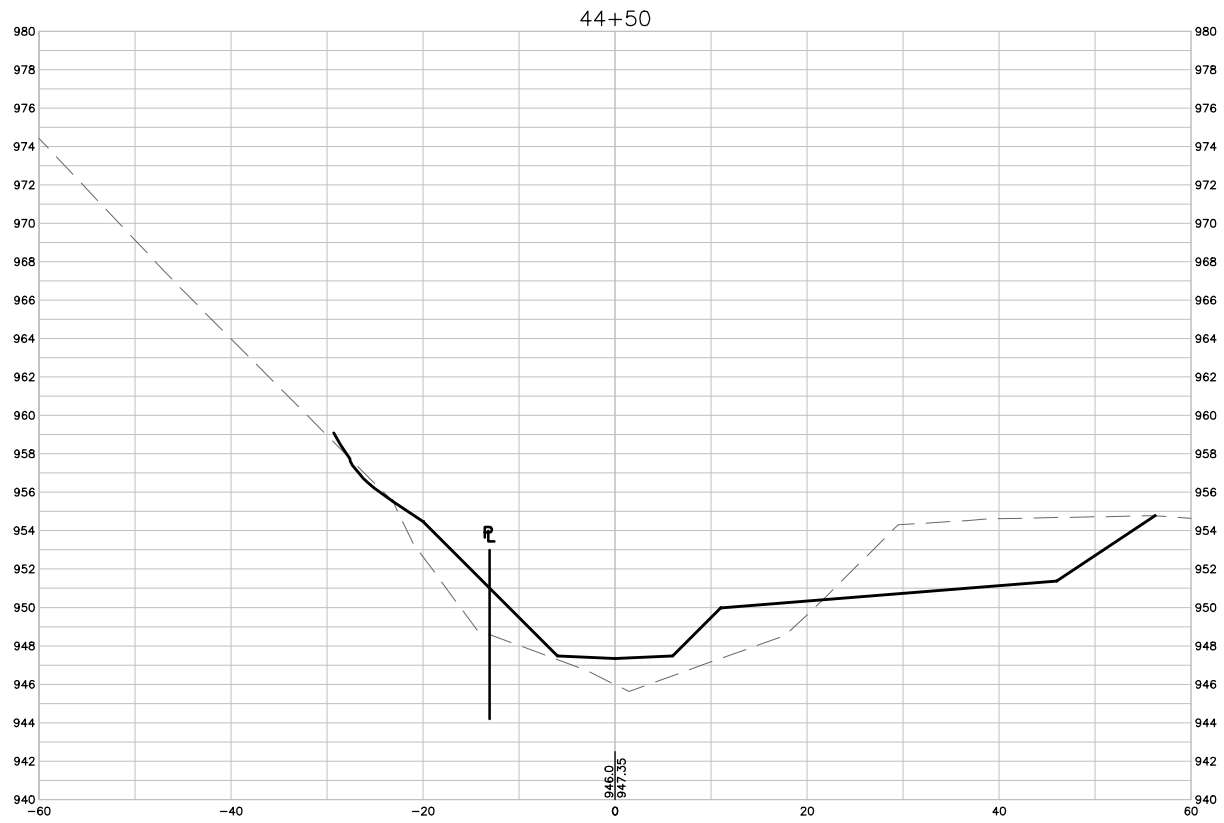


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C302

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 7:58:56 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C303 CROSS SECTIONS.dwg

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 IF NOT ONE INCH,
 ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

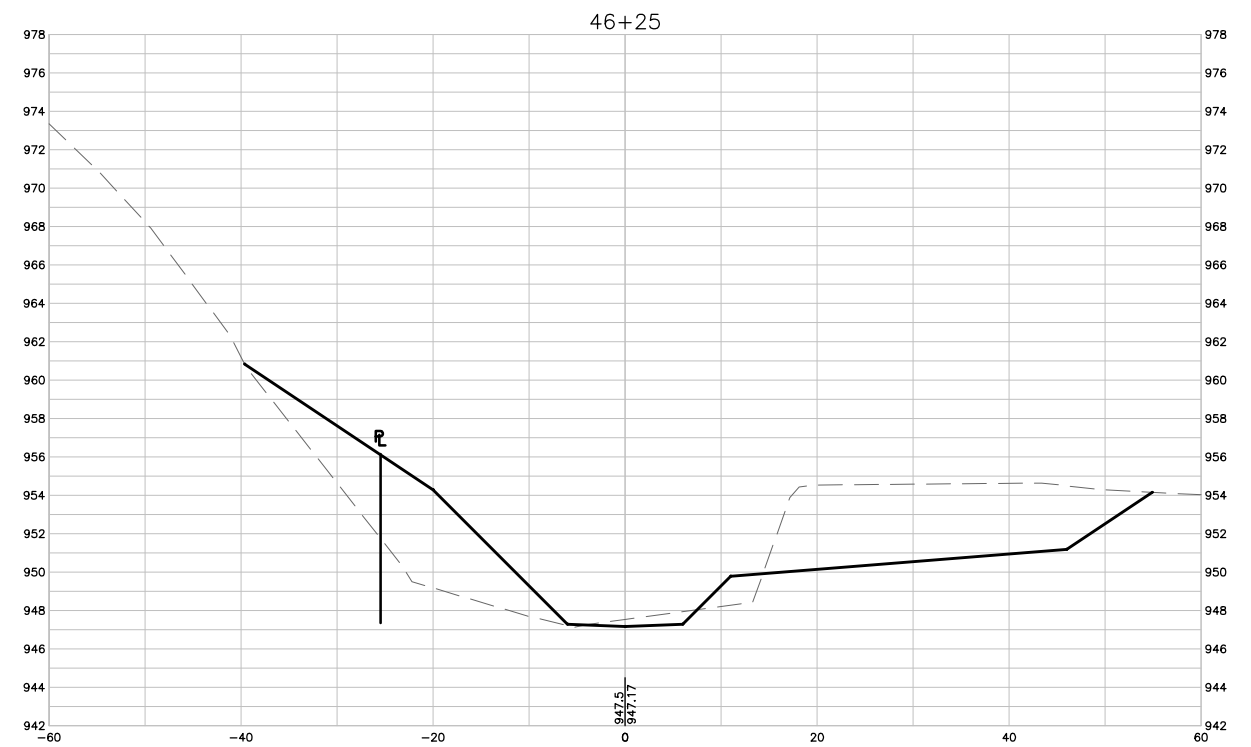
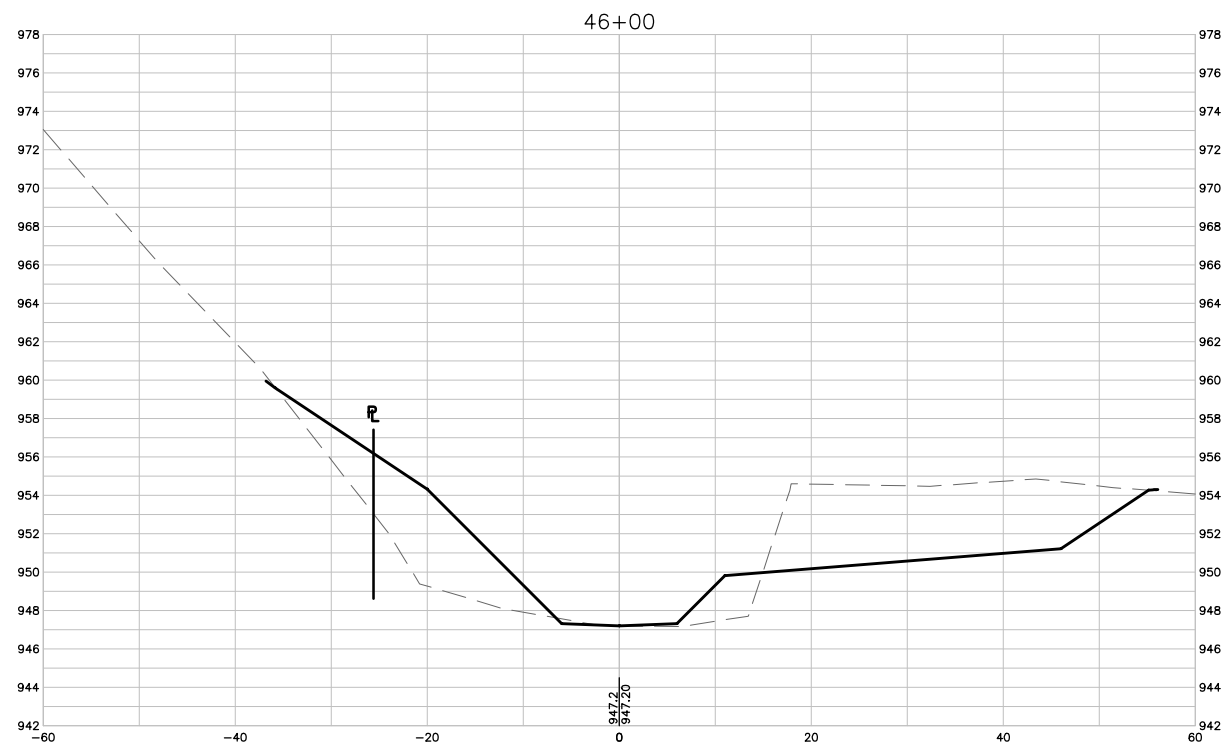
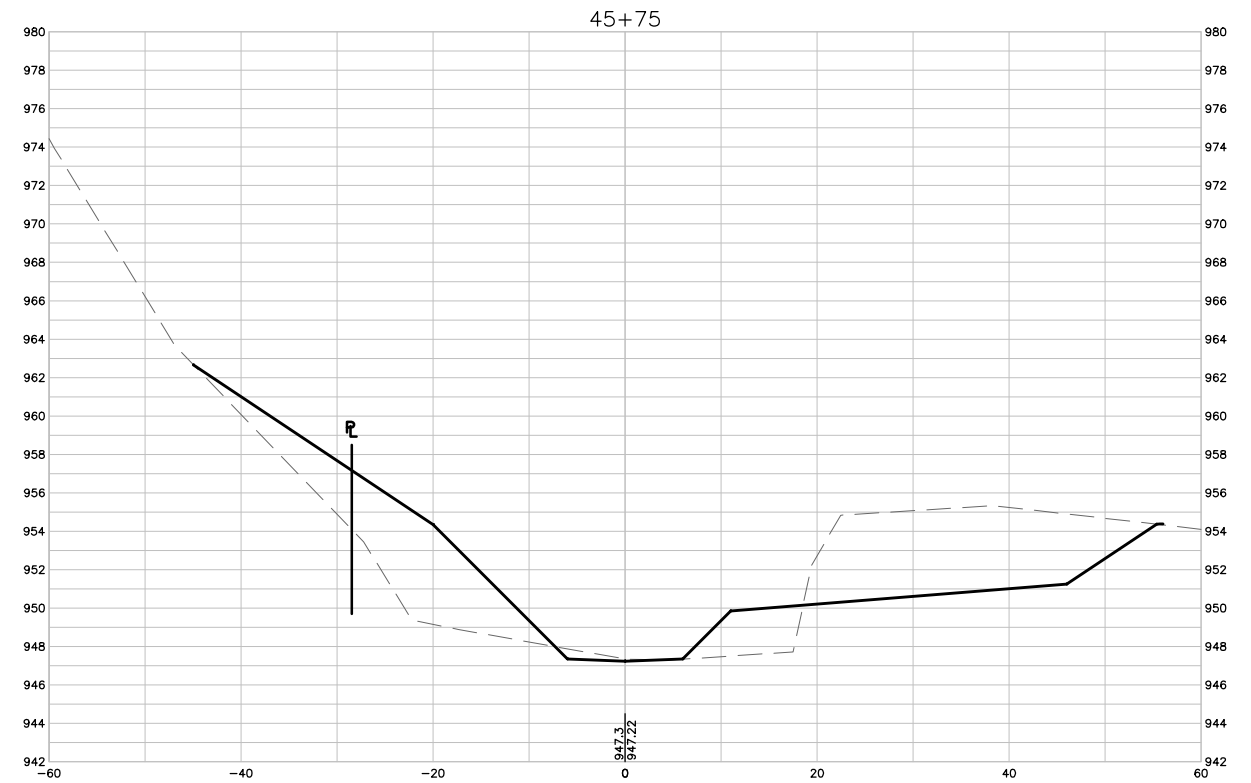
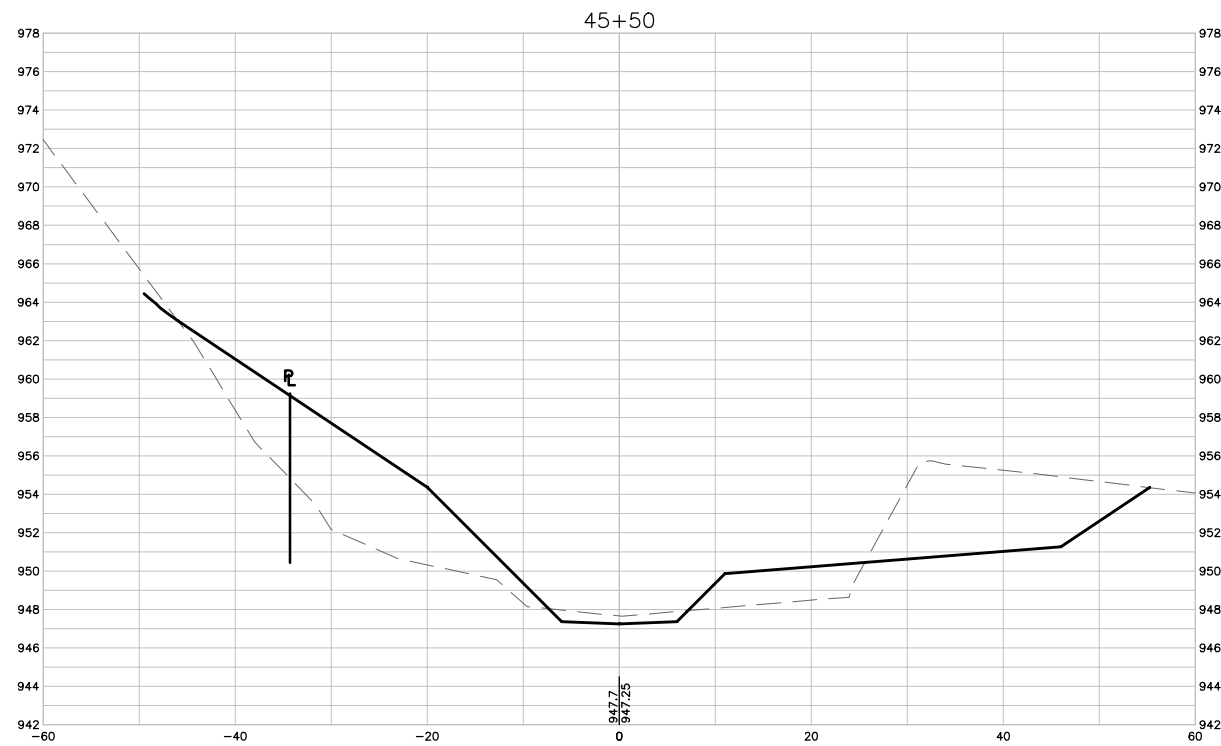


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C303

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 7:59:07 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C304 CROSS SECTIONS.dwg

BAR IS ONE INCH ON
 OFFICIAL DRAWINGS.
 IF NOT ONE INCH,
 ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

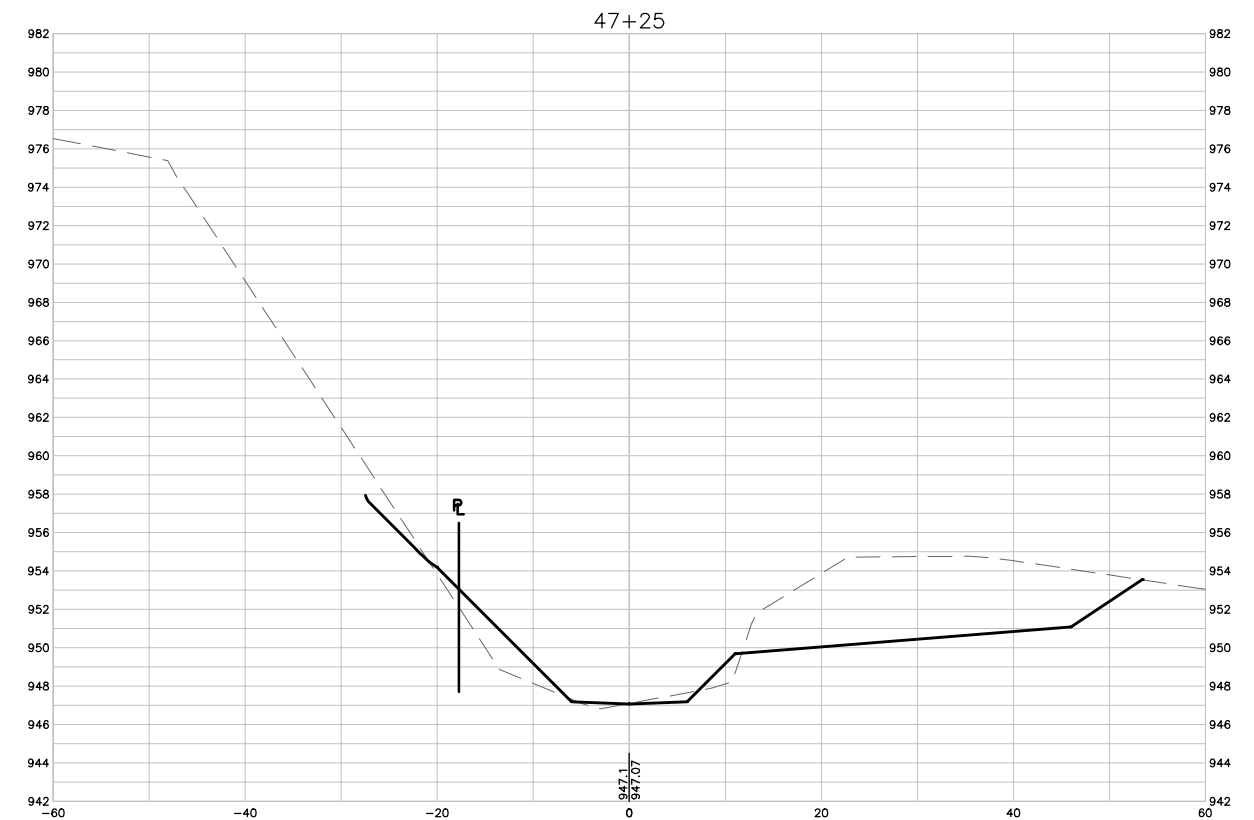
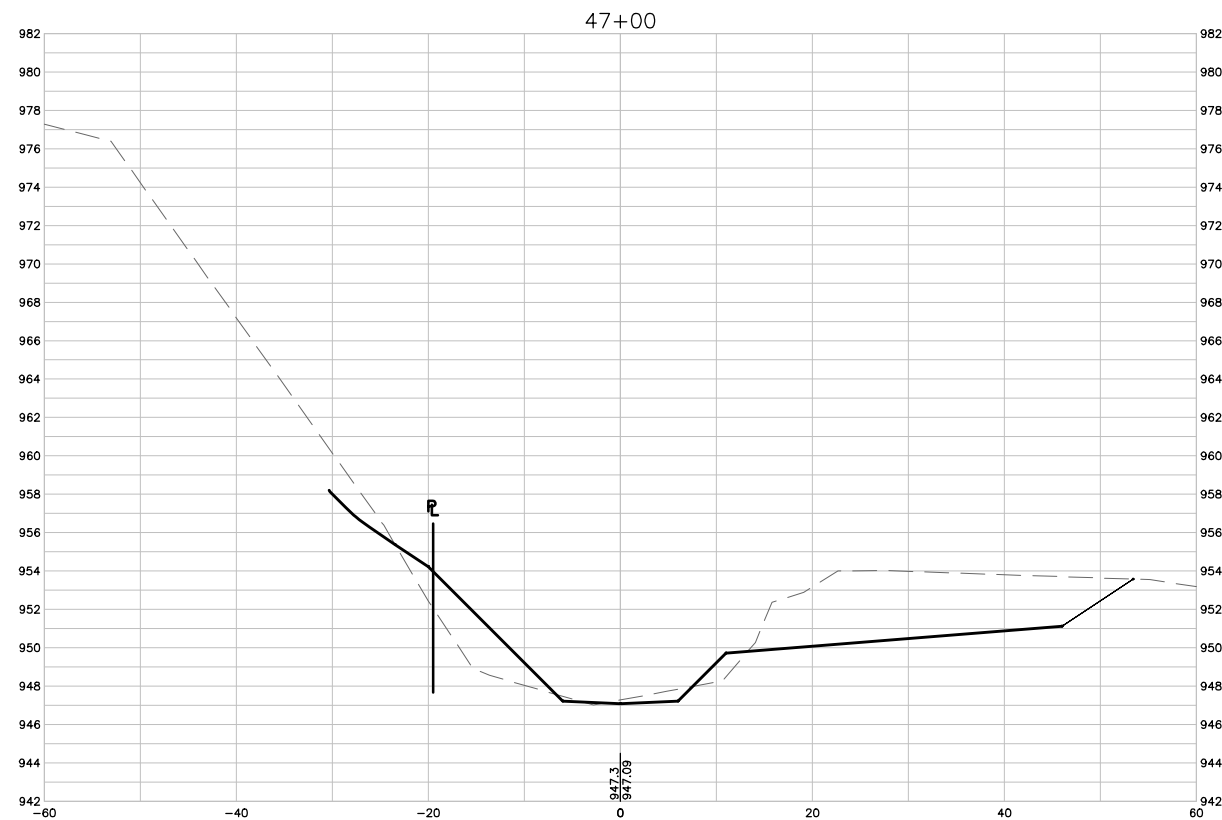
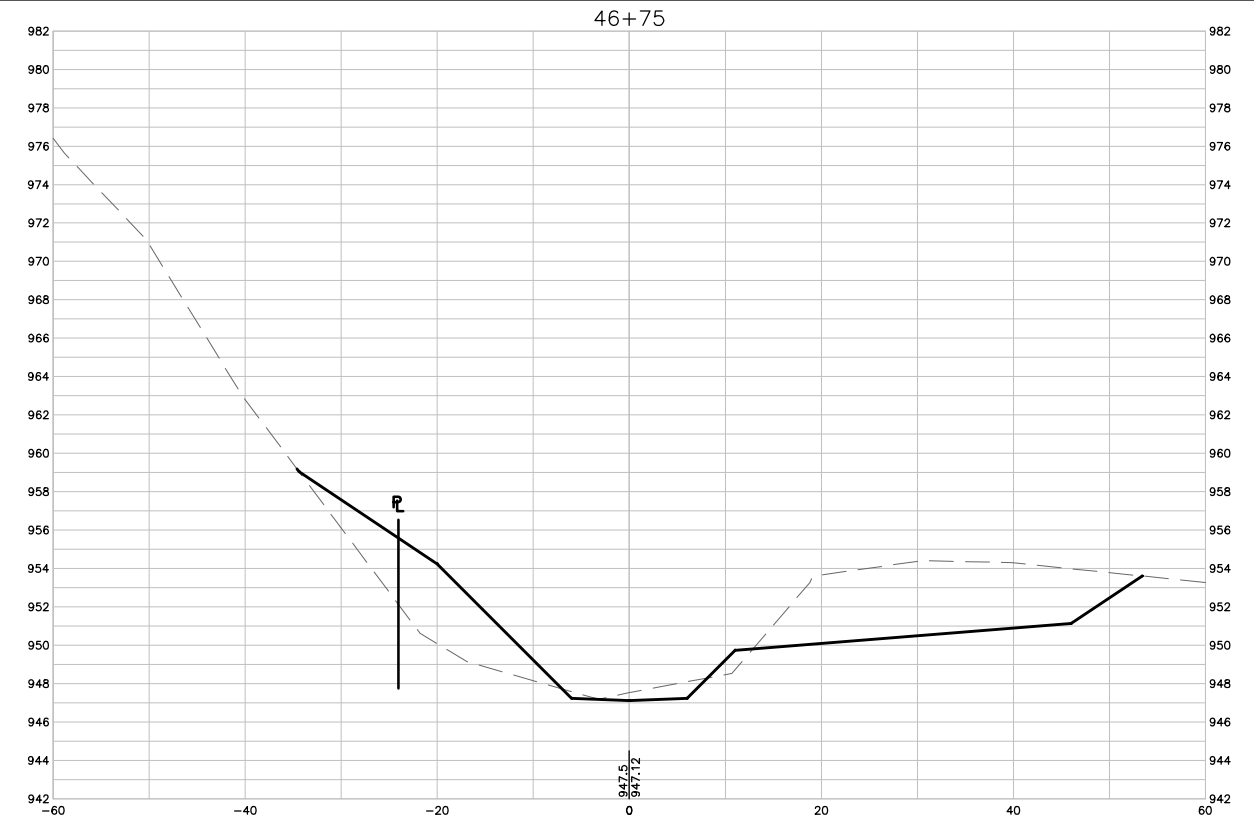
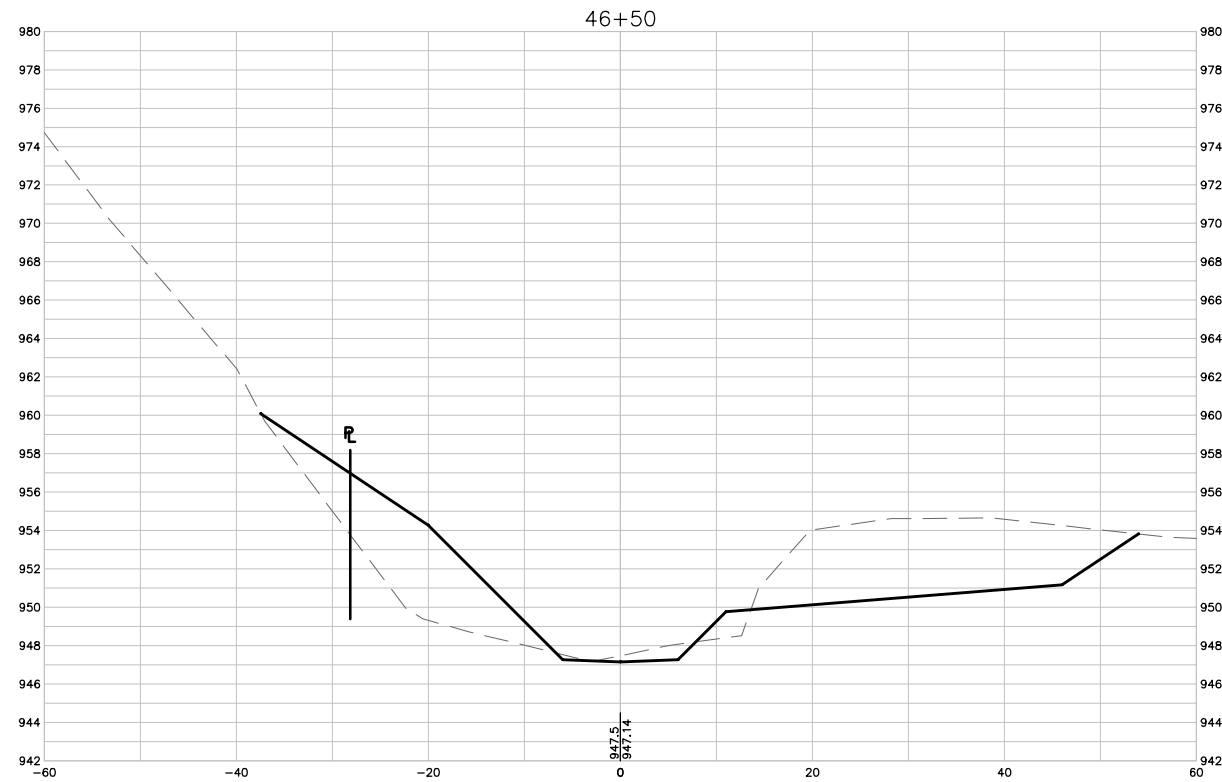


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C304

Xref: xgl-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 7:59:14 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C305 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

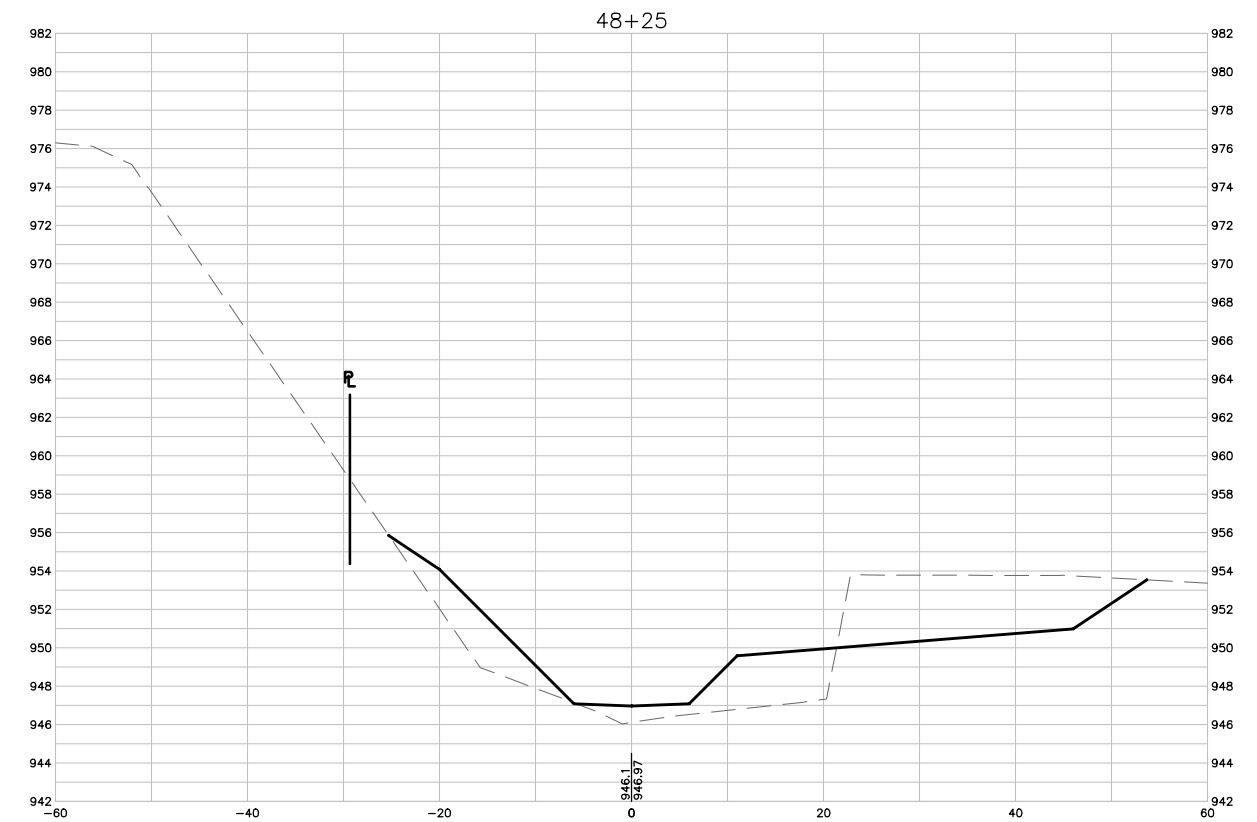
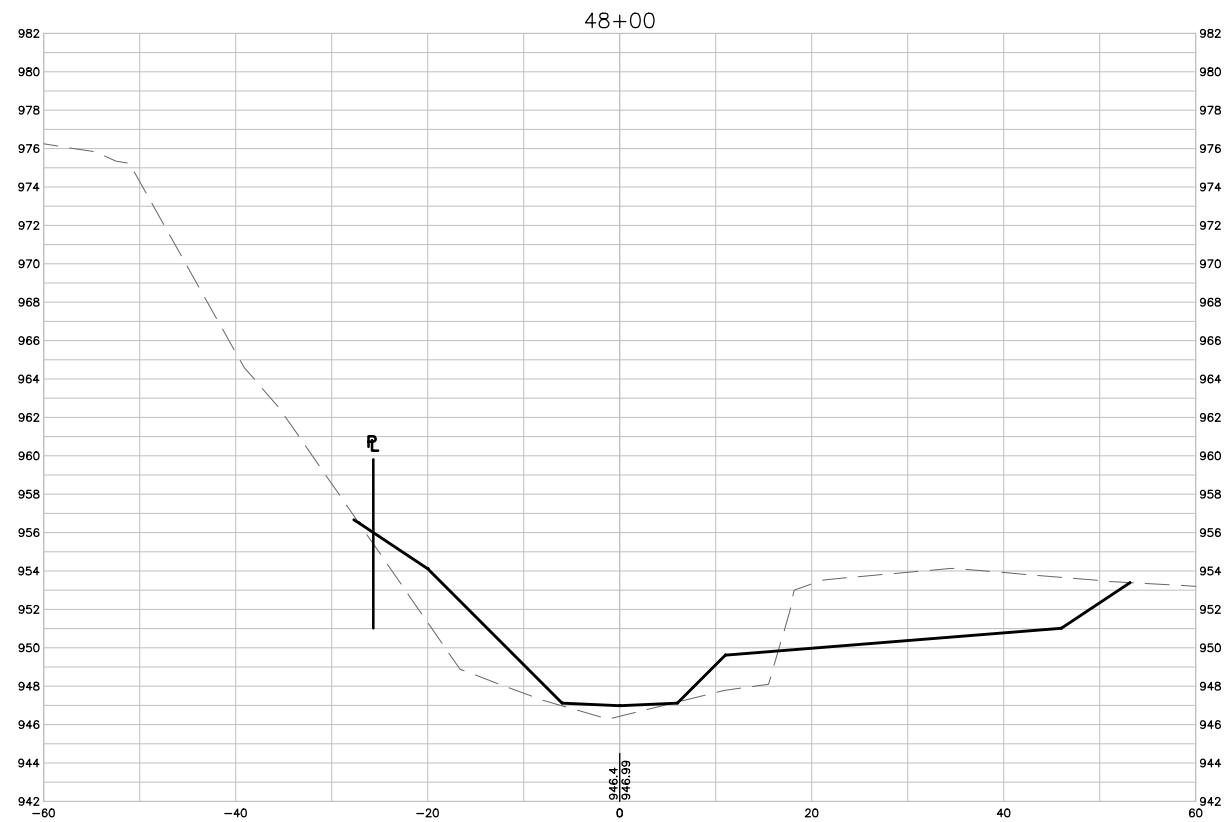
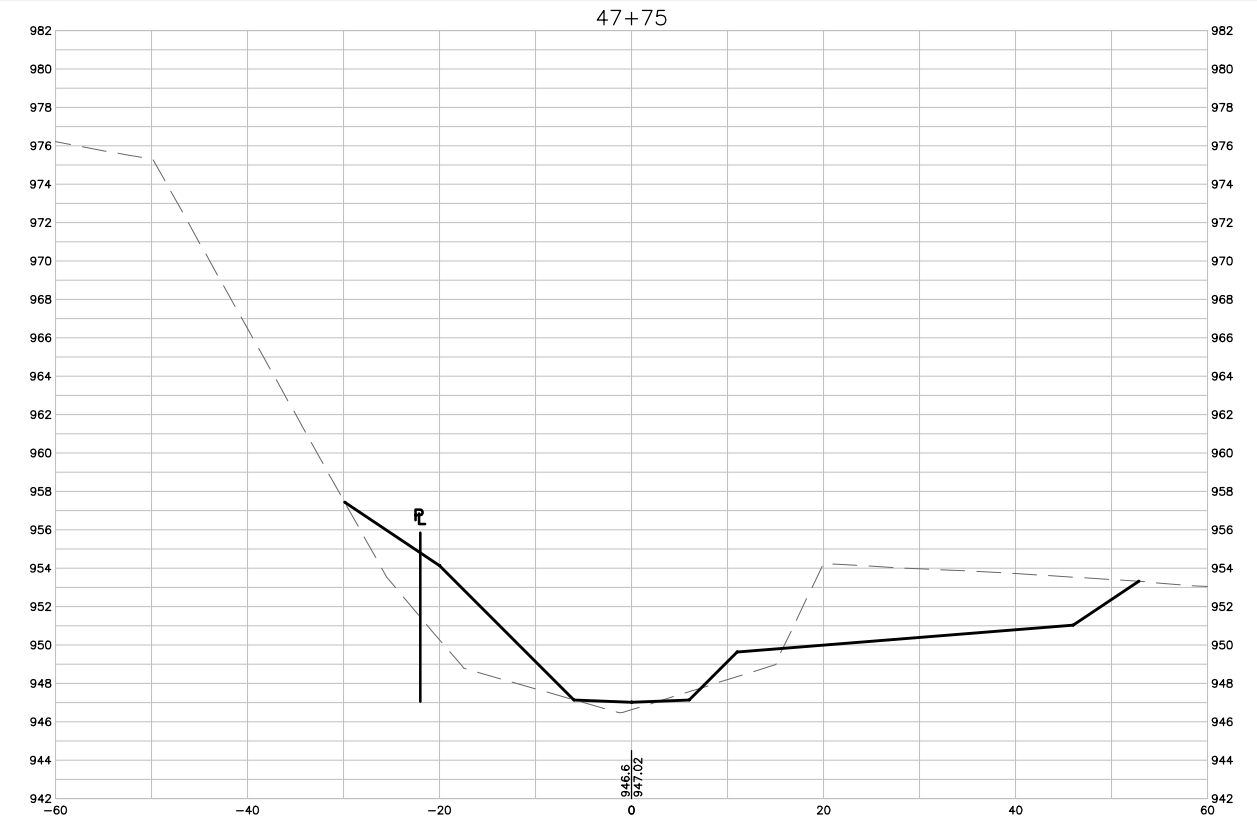
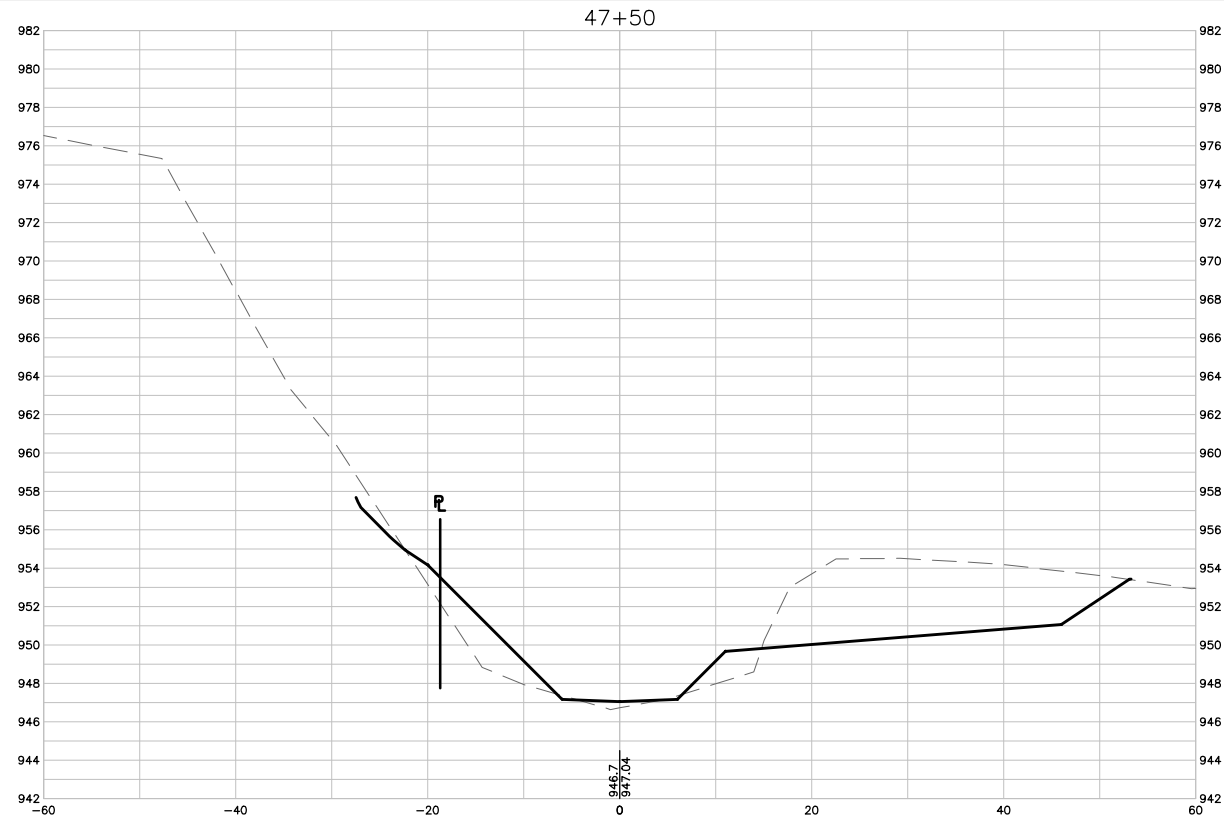


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C305

Xrefs: xgf-2-dh01; XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 7:59:16 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C306 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

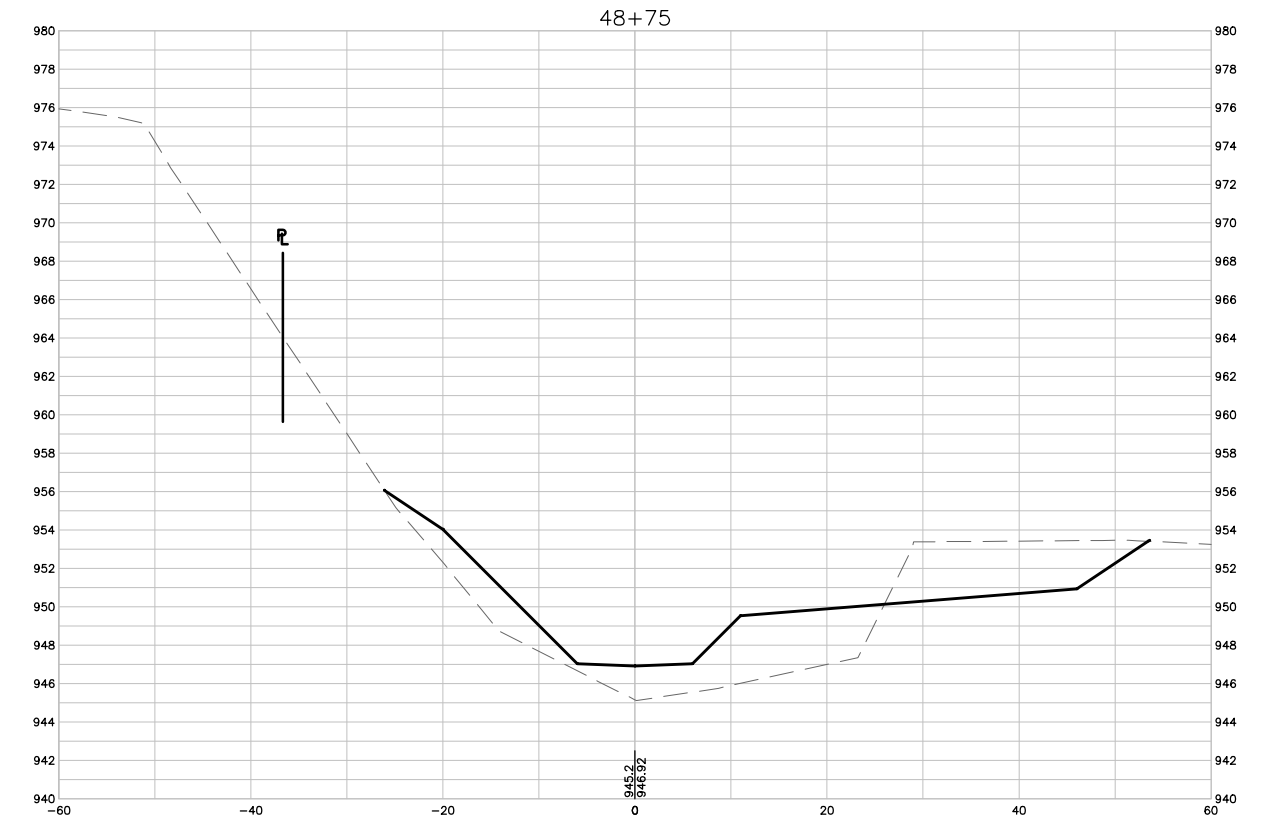
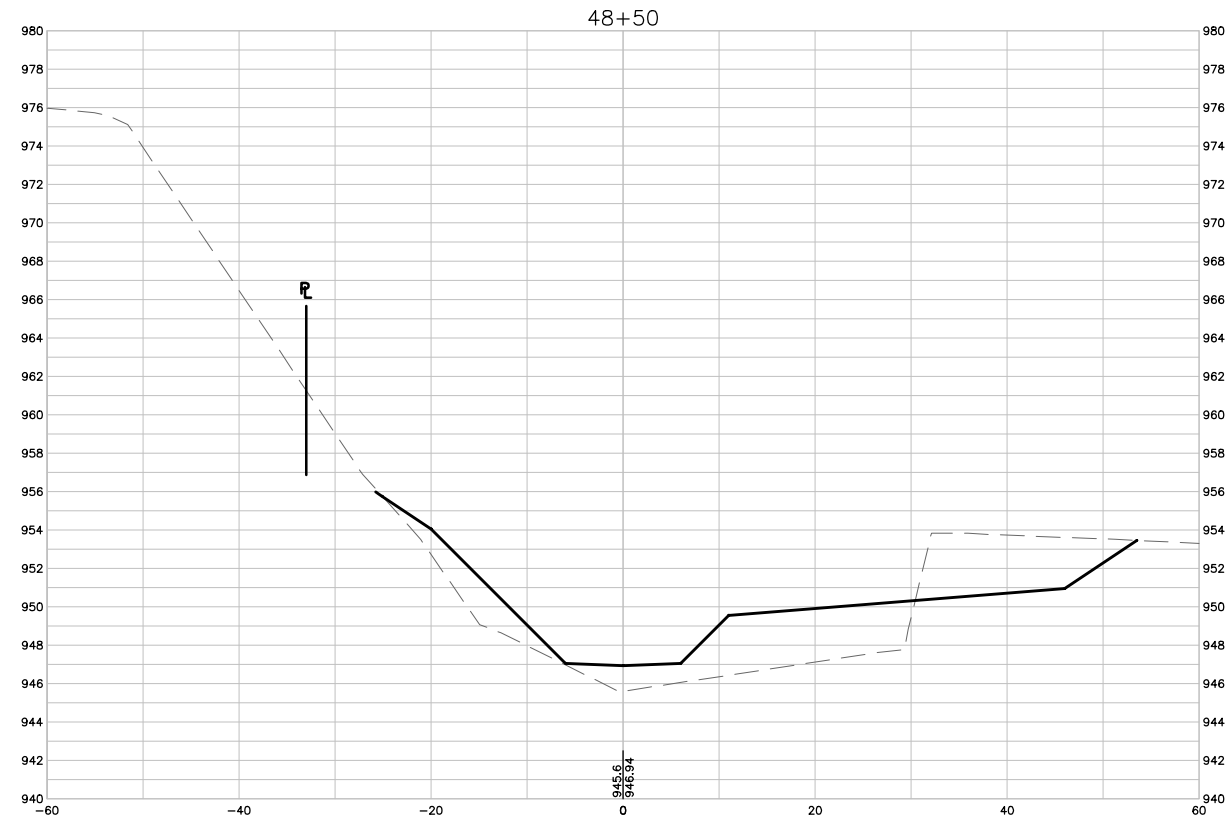


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C306

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 7:54:42 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C307 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 [Scale Bar] 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

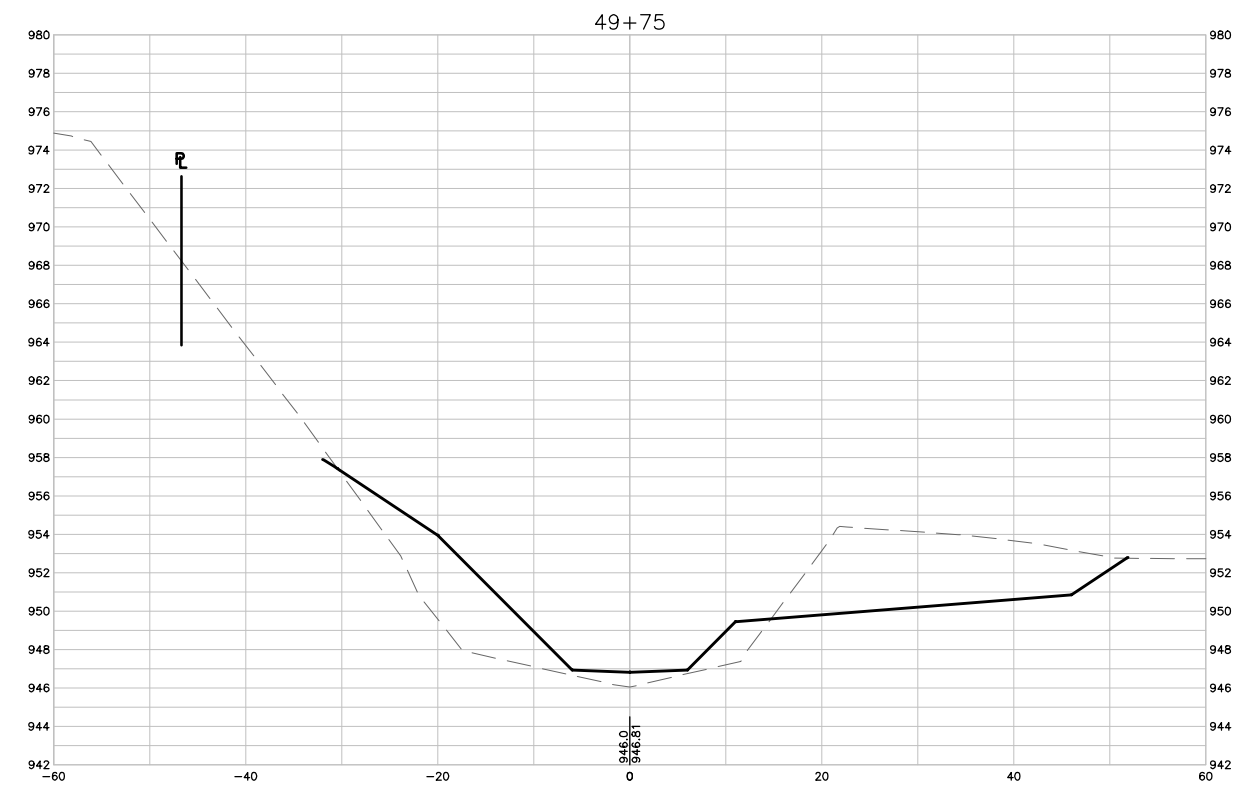
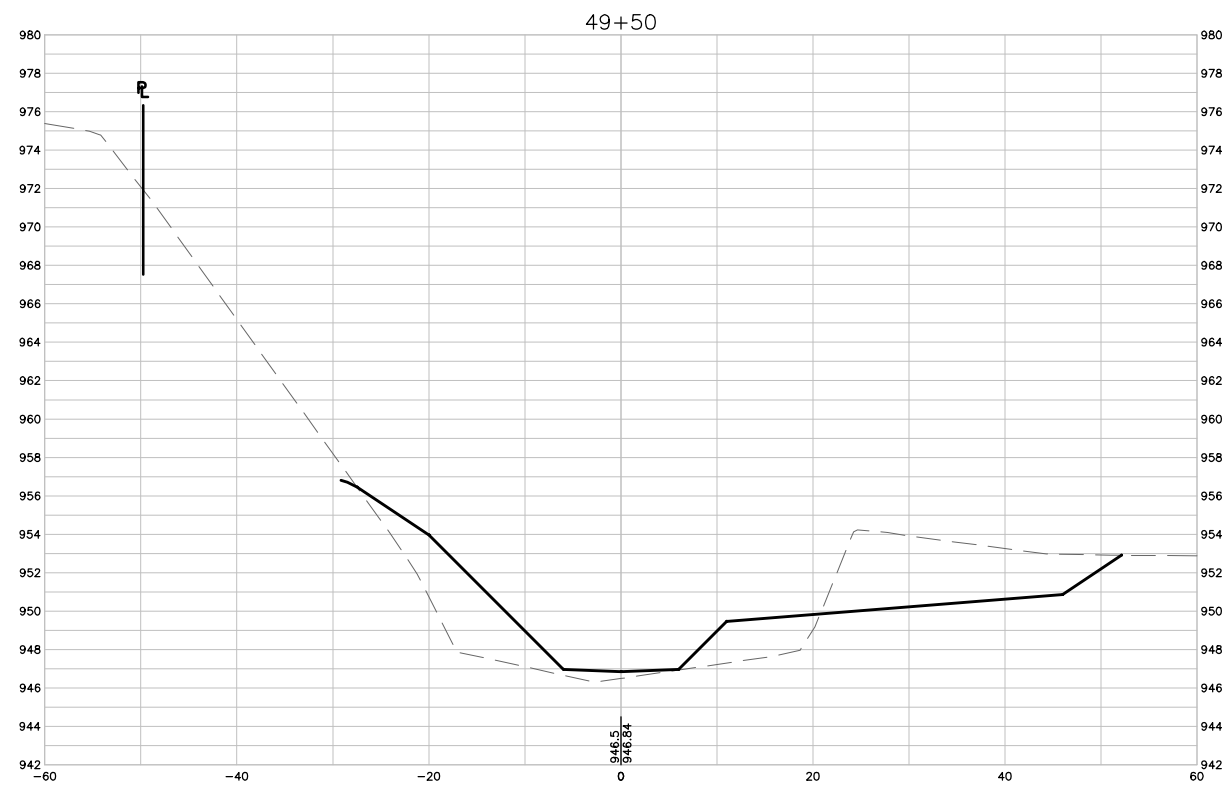
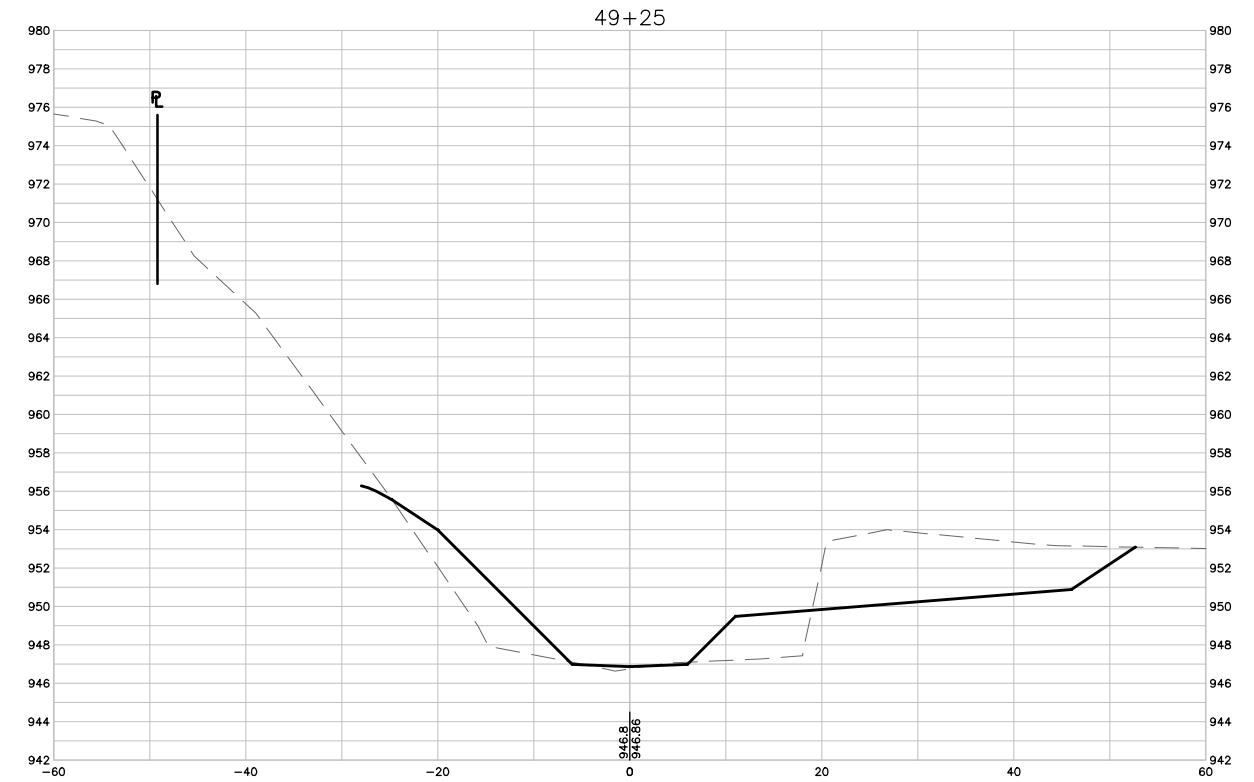
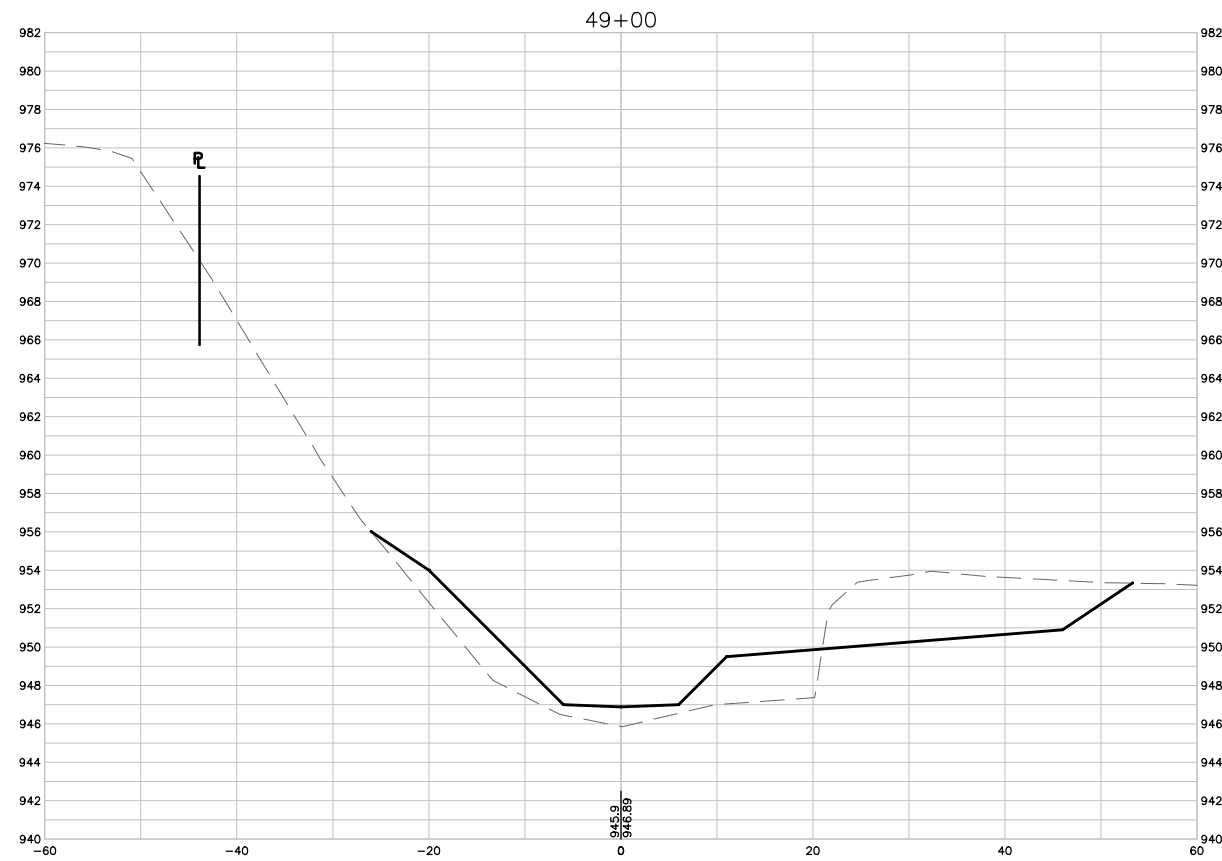


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C307

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:18:14 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C308 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

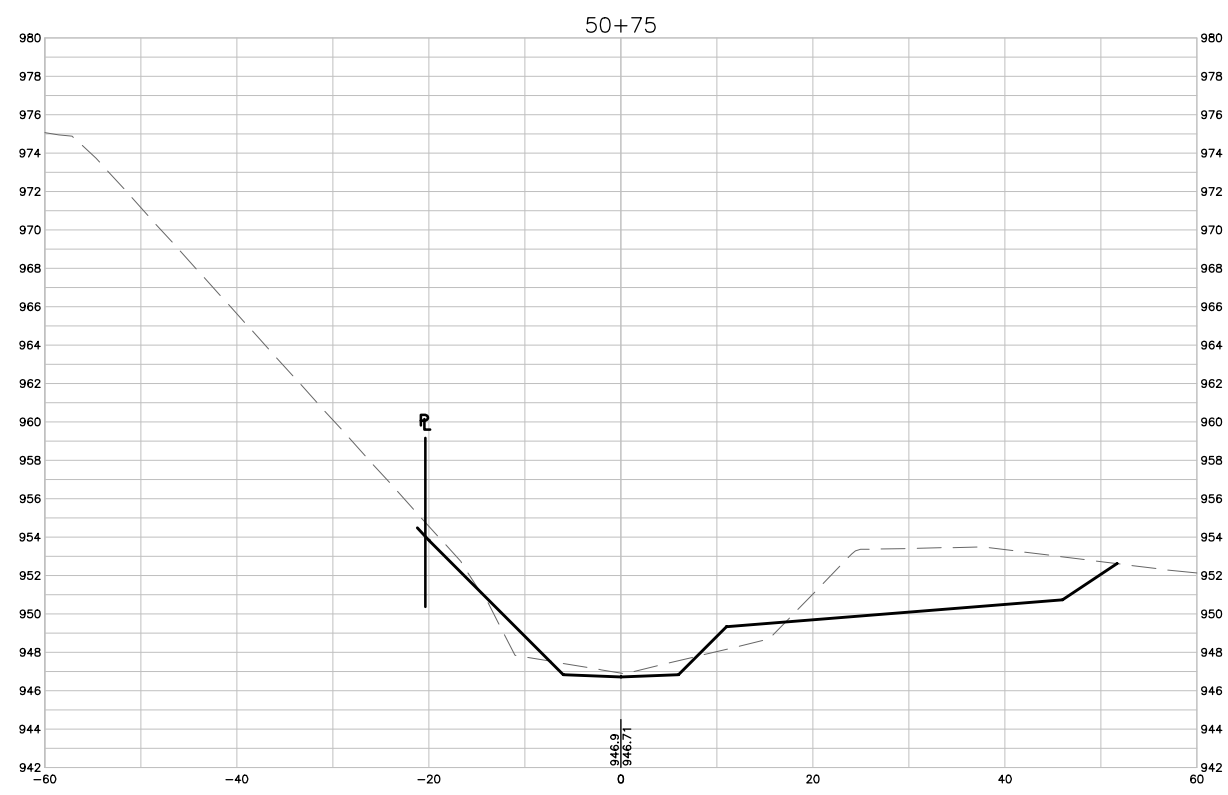
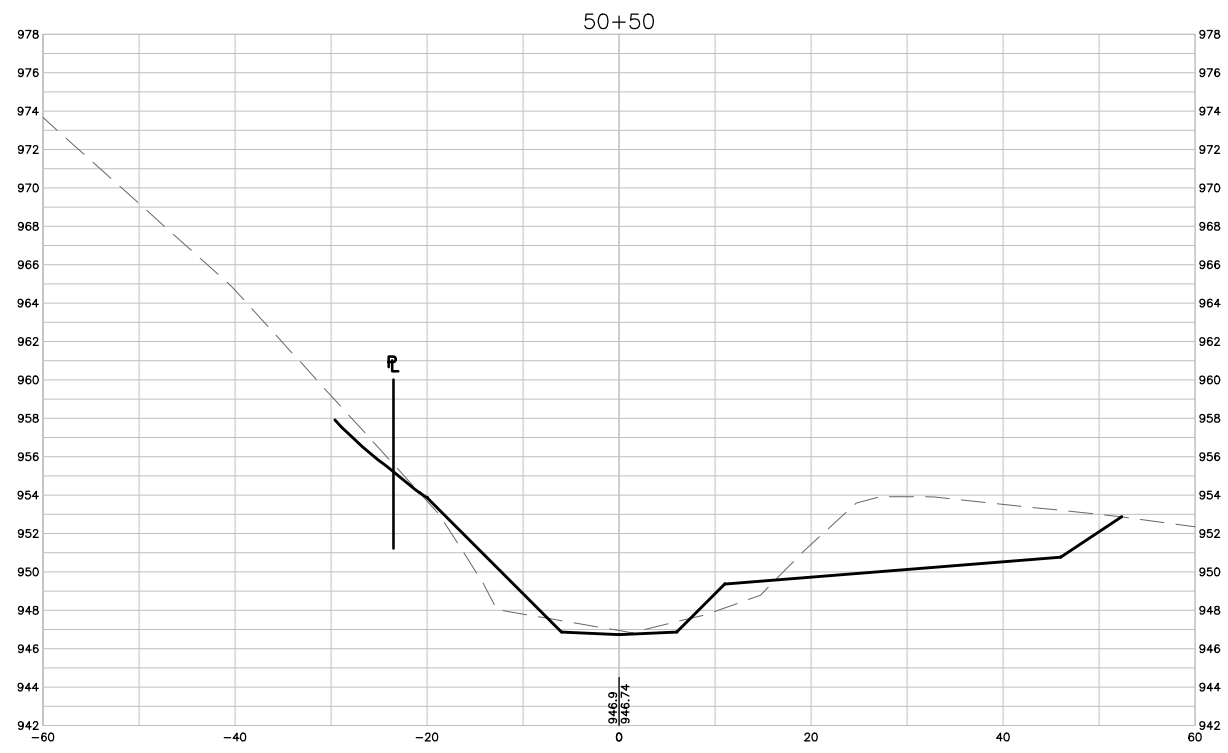
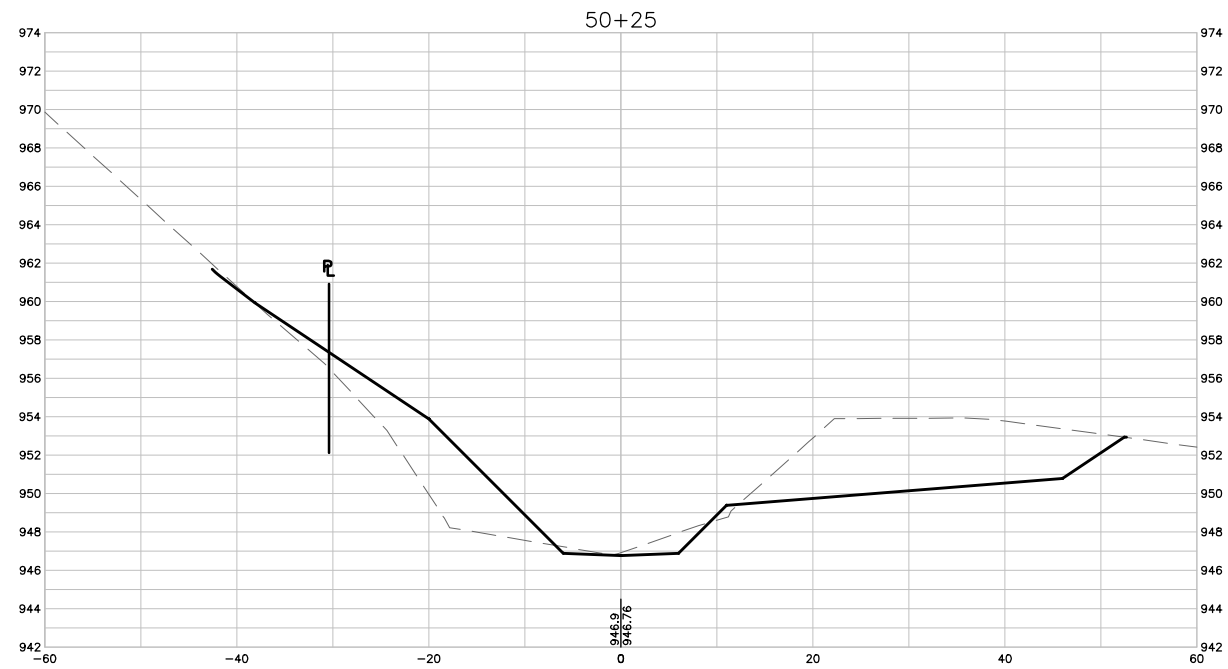
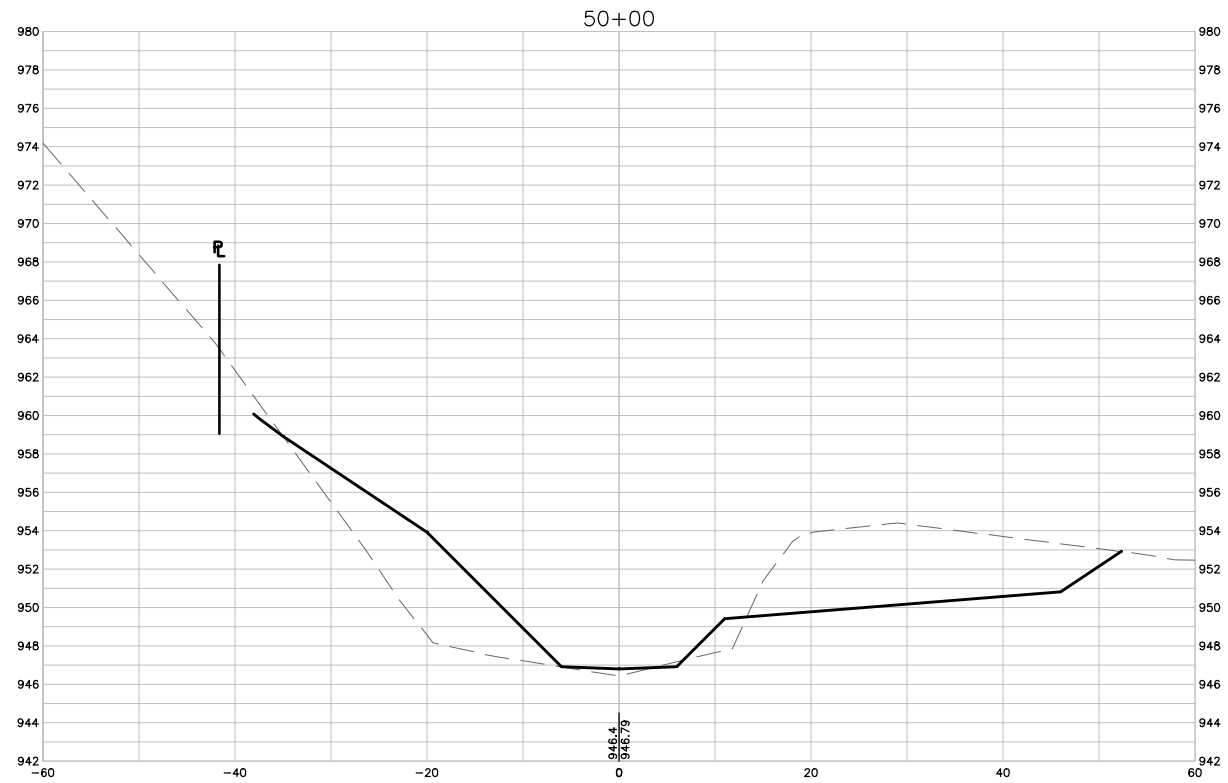


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C308

Xref: xgl-2-df01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:34:55 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C309 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

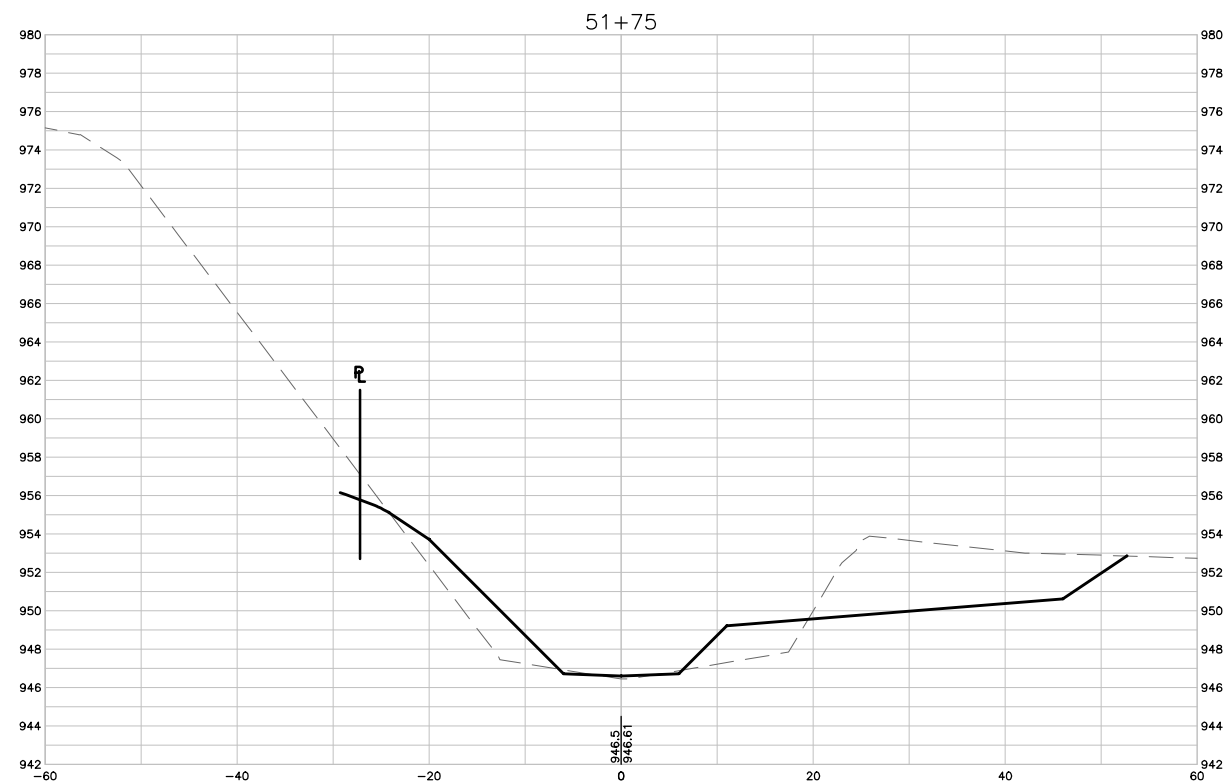
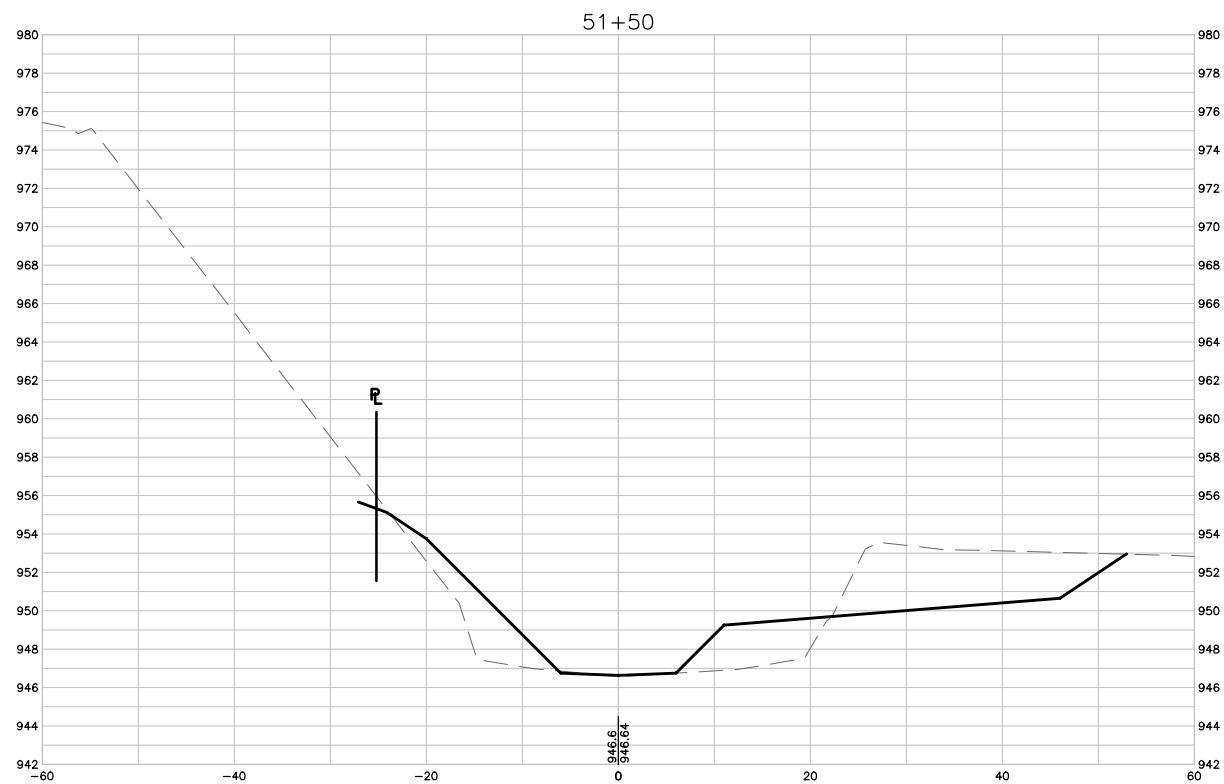
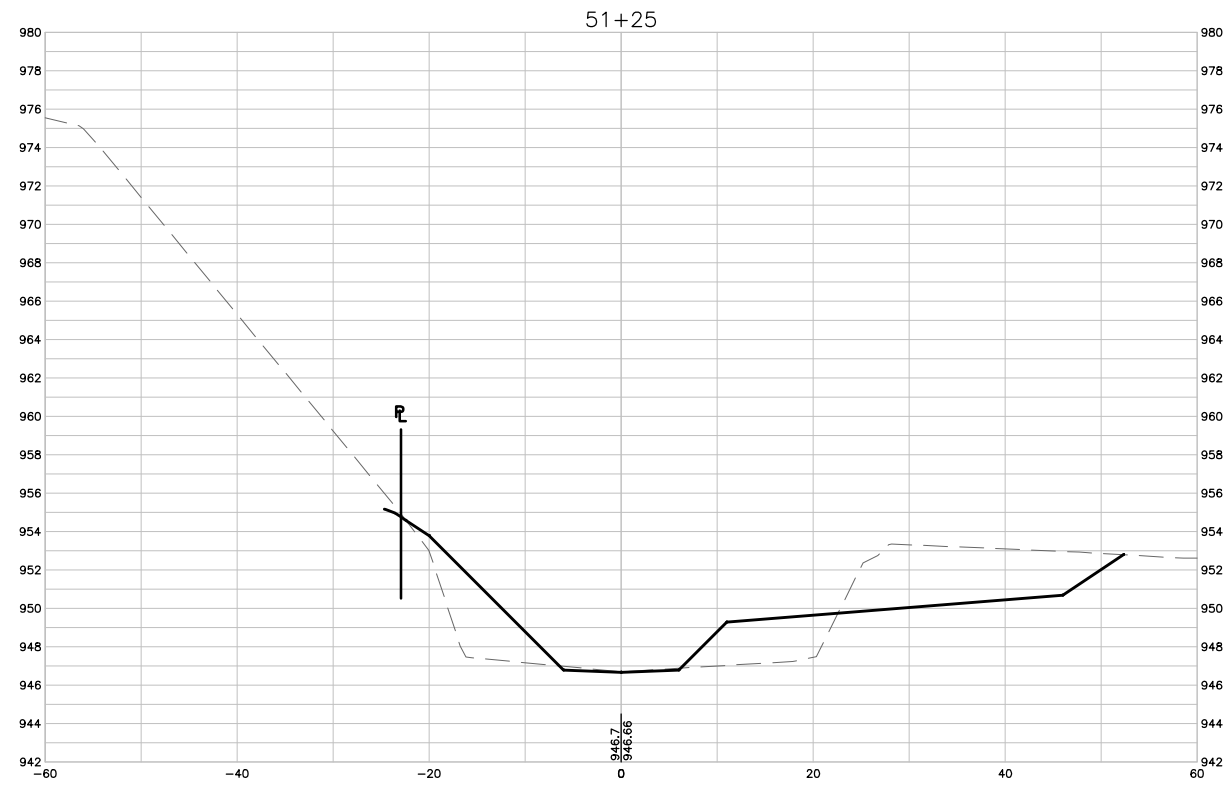
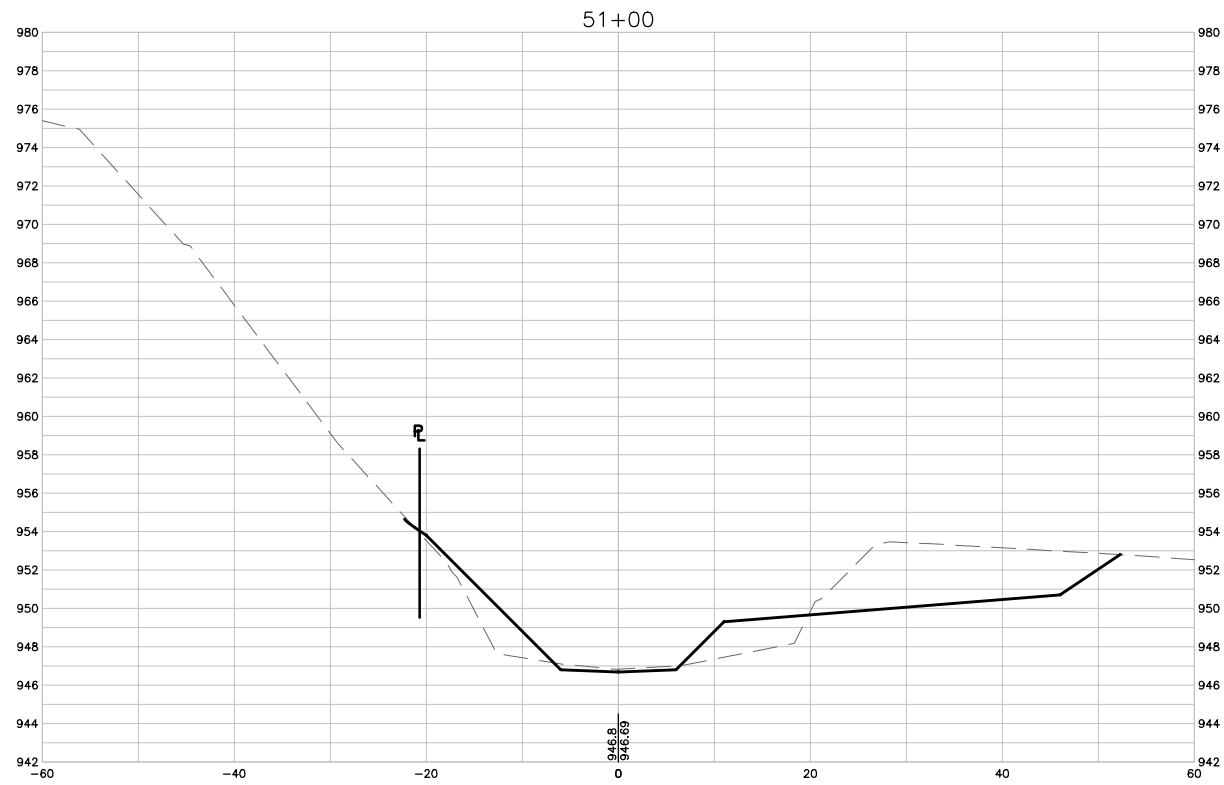


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C309

Xref: xgl-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:38:49 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C310 CROSS SECTIONS.dwg

BAR IS ONE INCH ON
 OFFICIAL DRAWINGS.
 IF NOT ONE INCH,
 ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

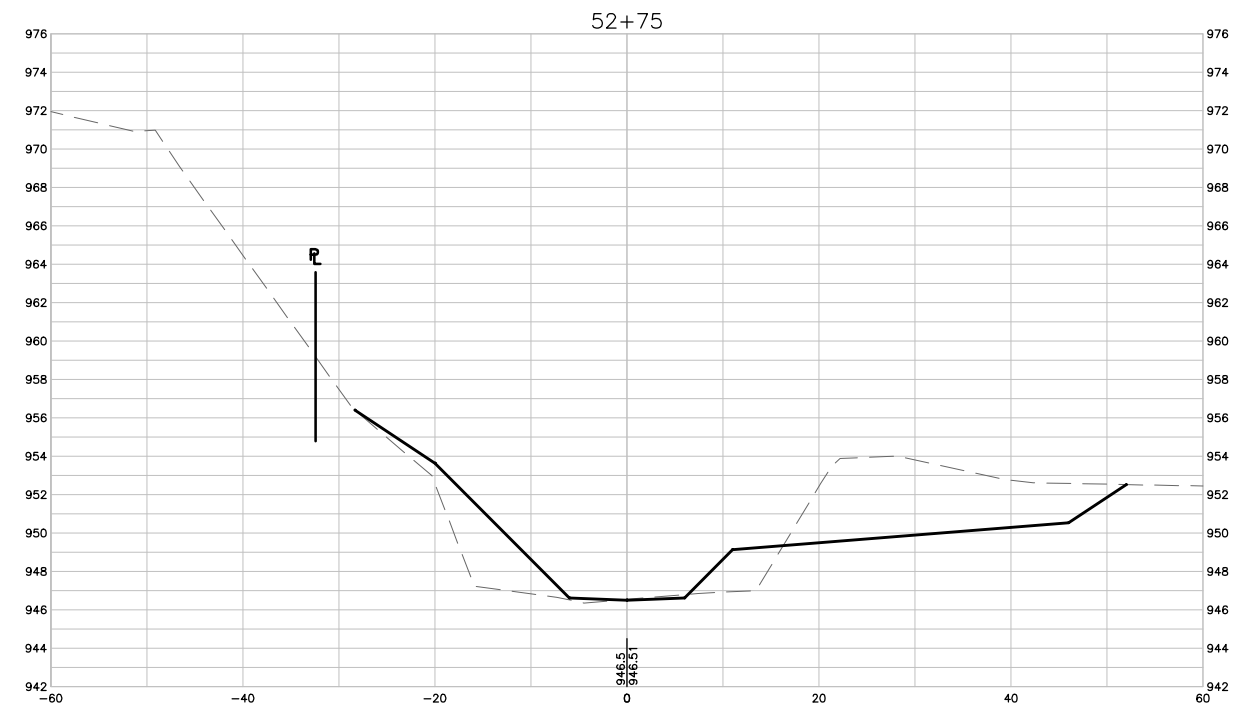
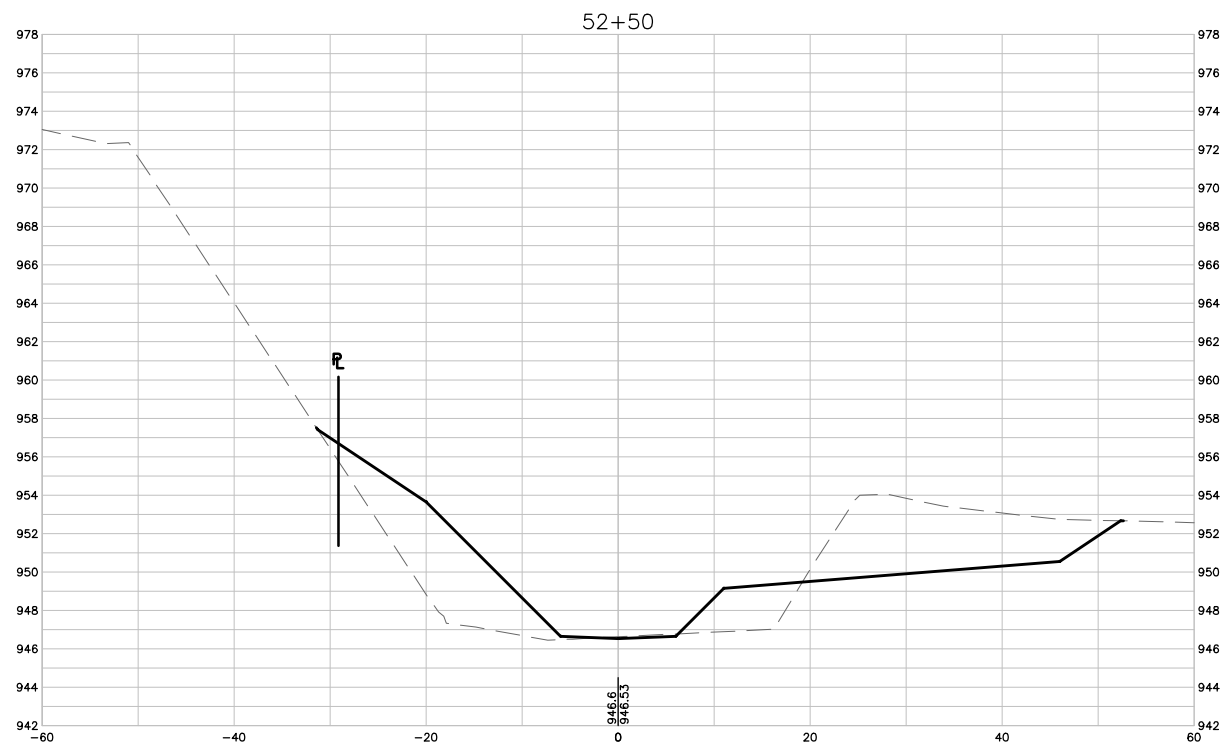
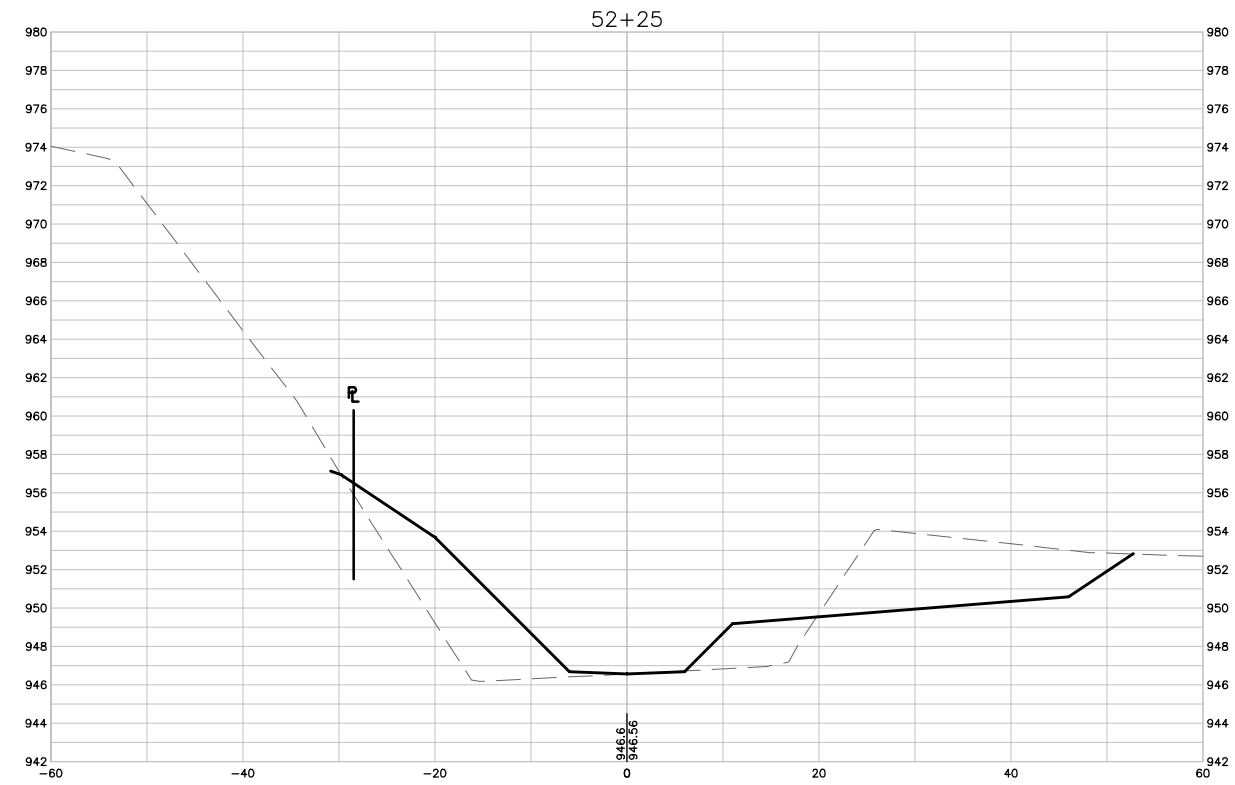
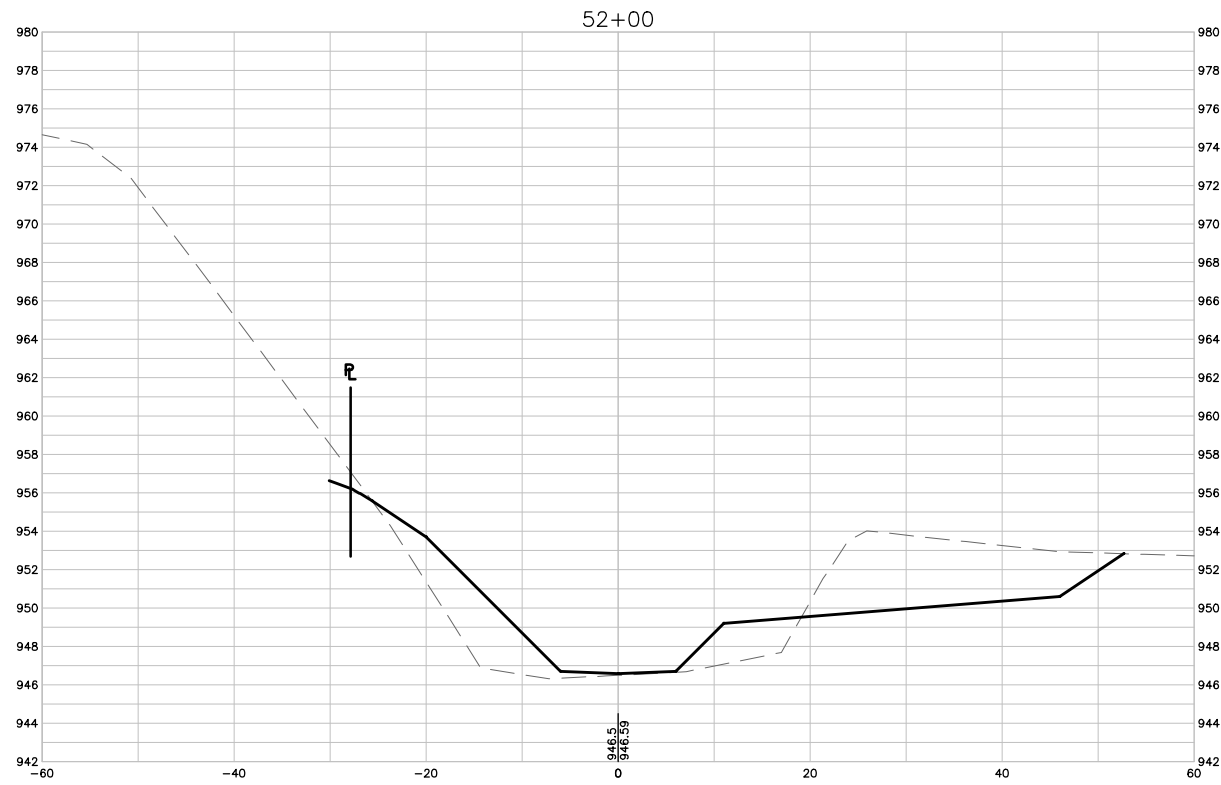


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C310

Xrefs: xref-2-df01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:39:12 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C311 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

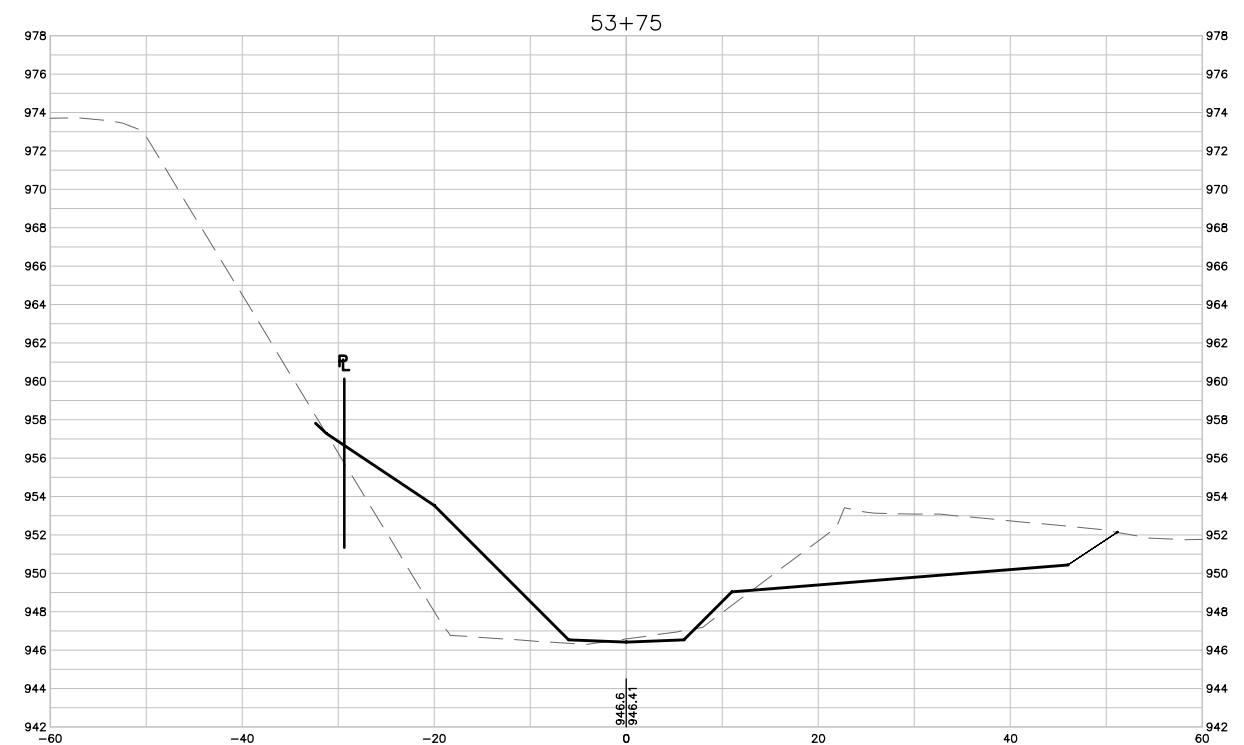
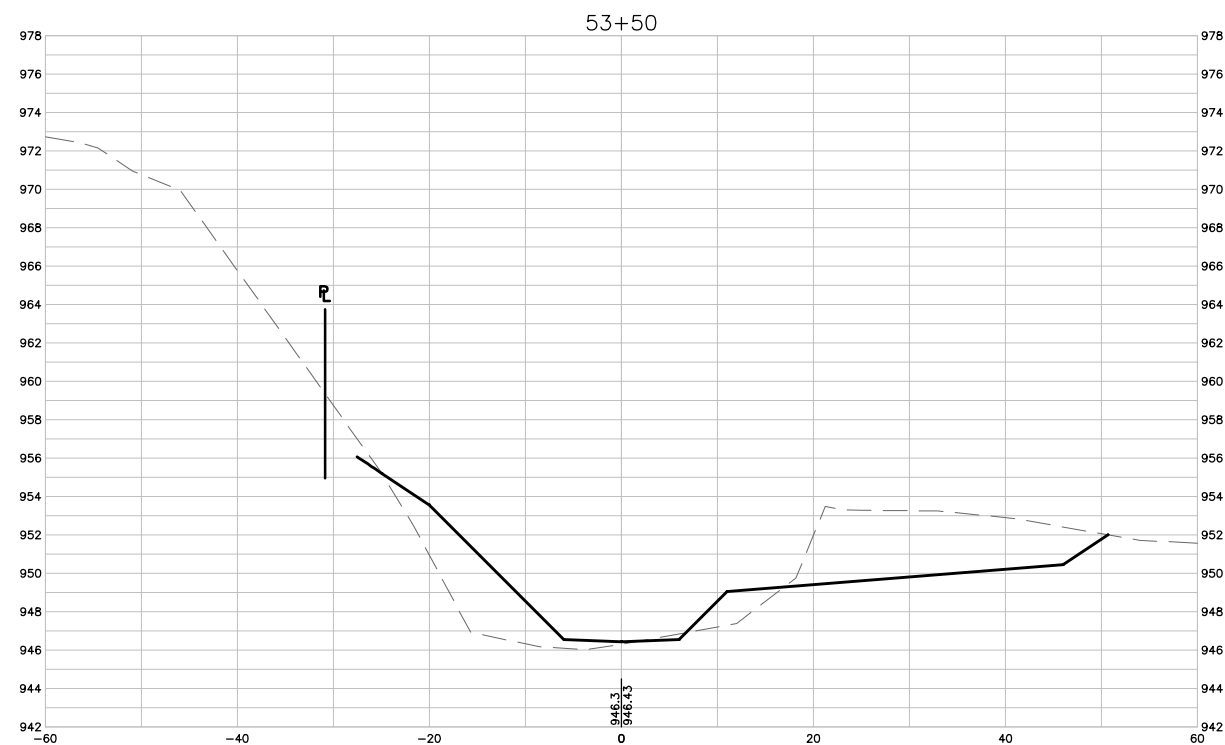
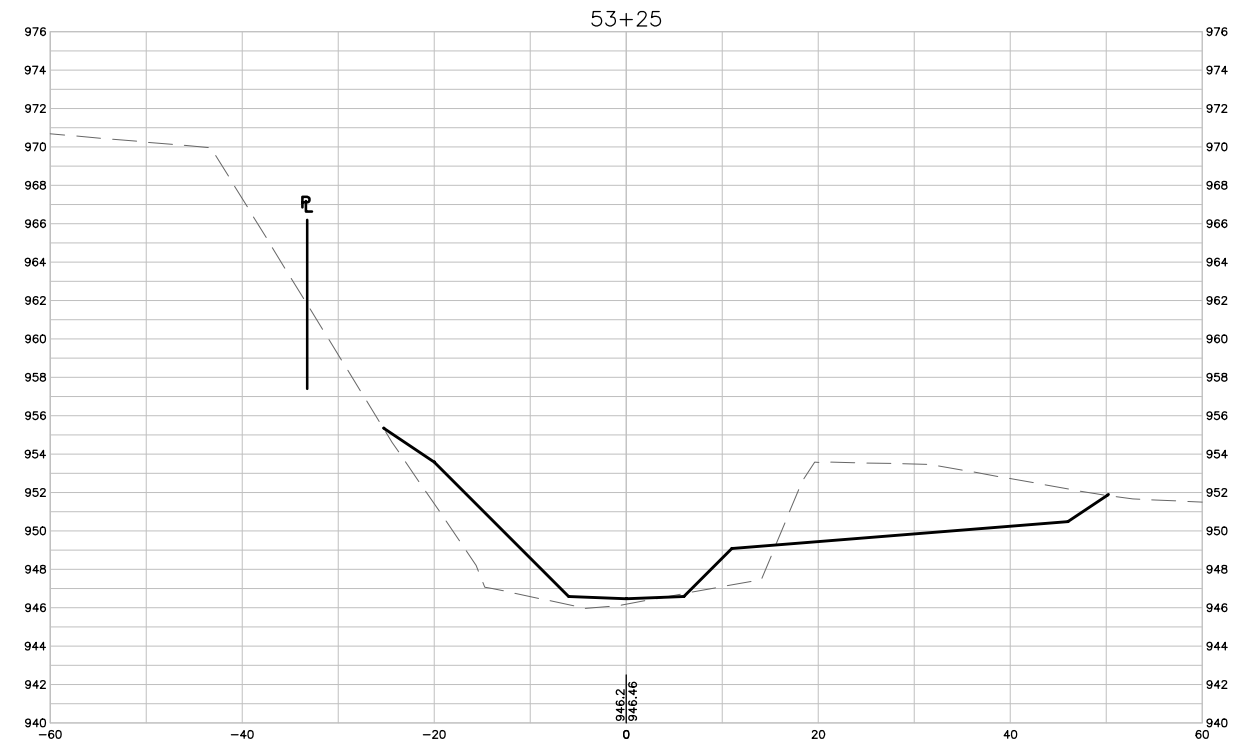
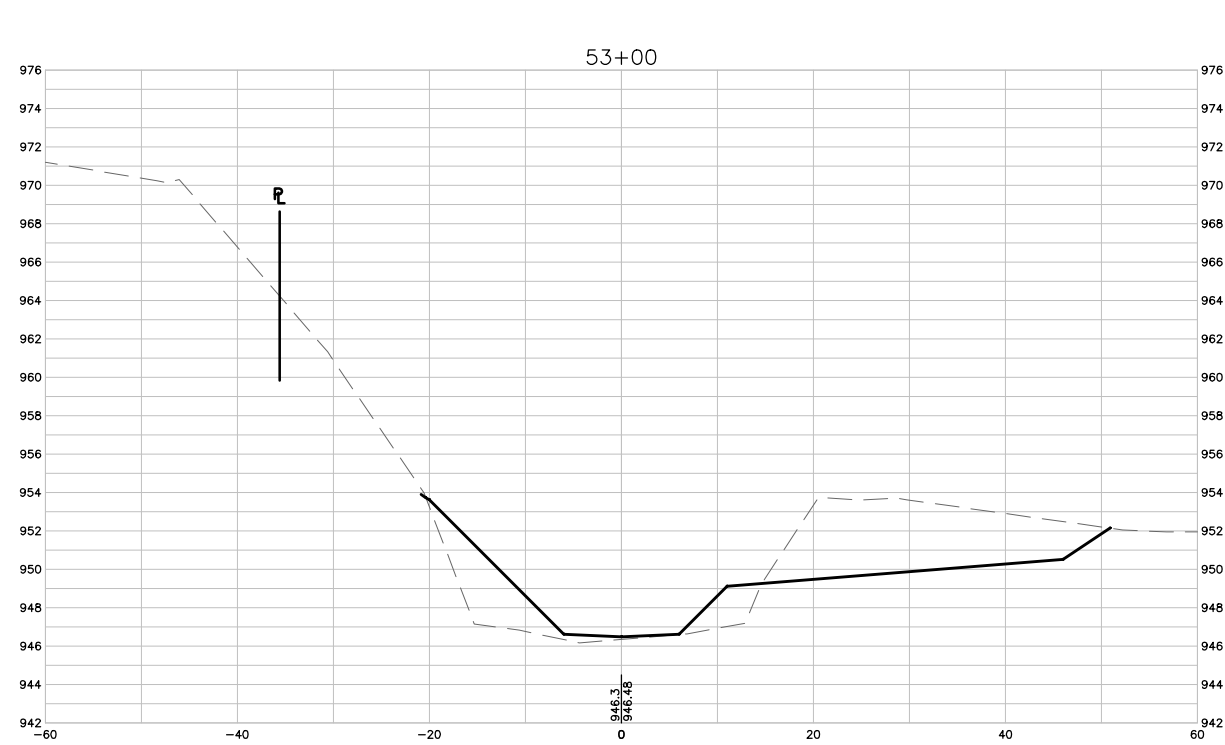


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C311

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:39:50 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C312 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

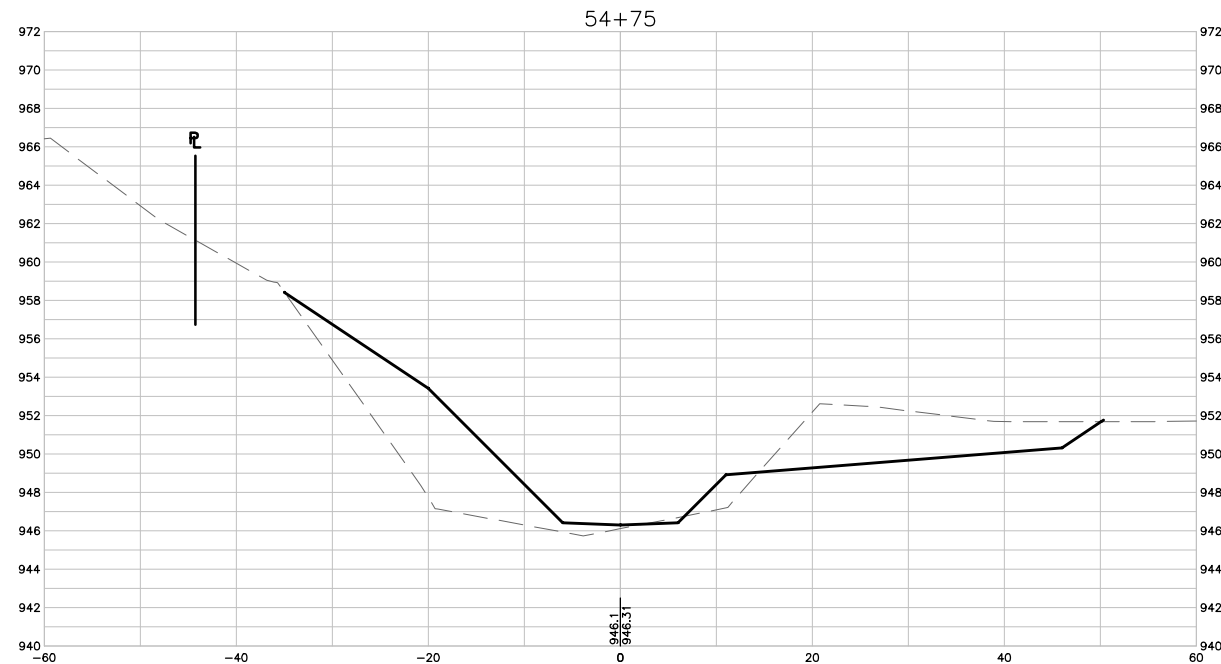
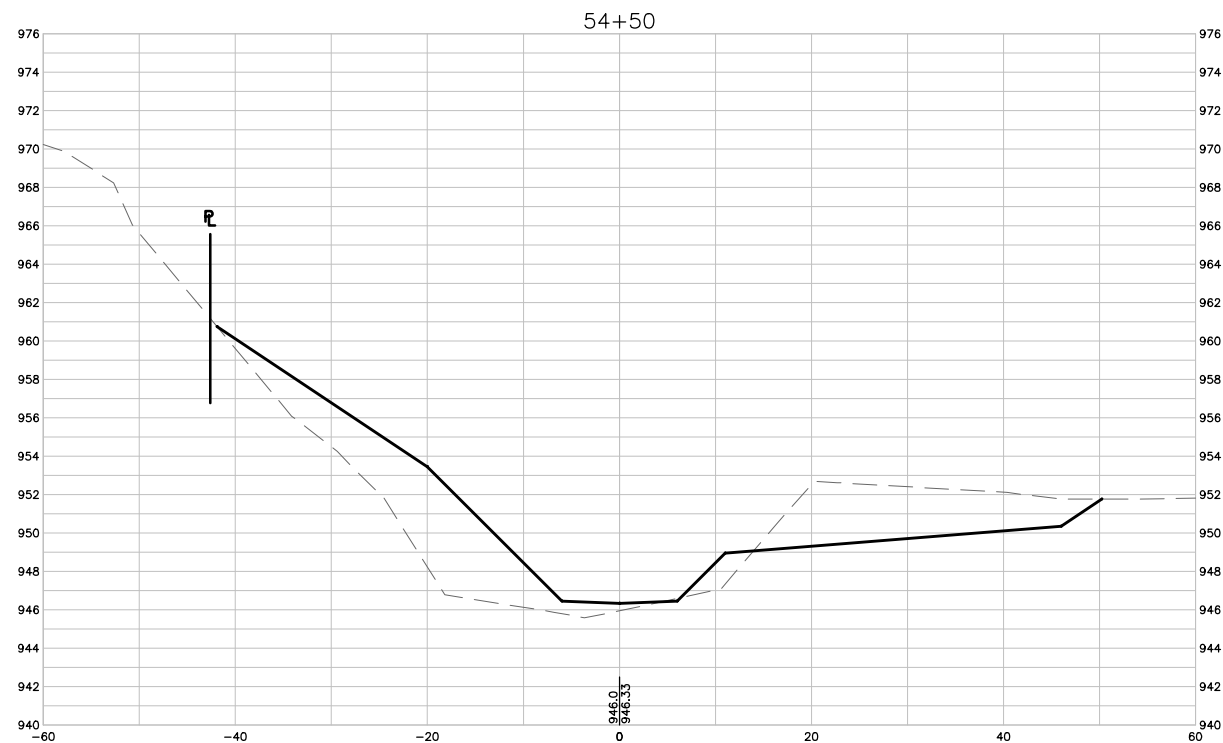
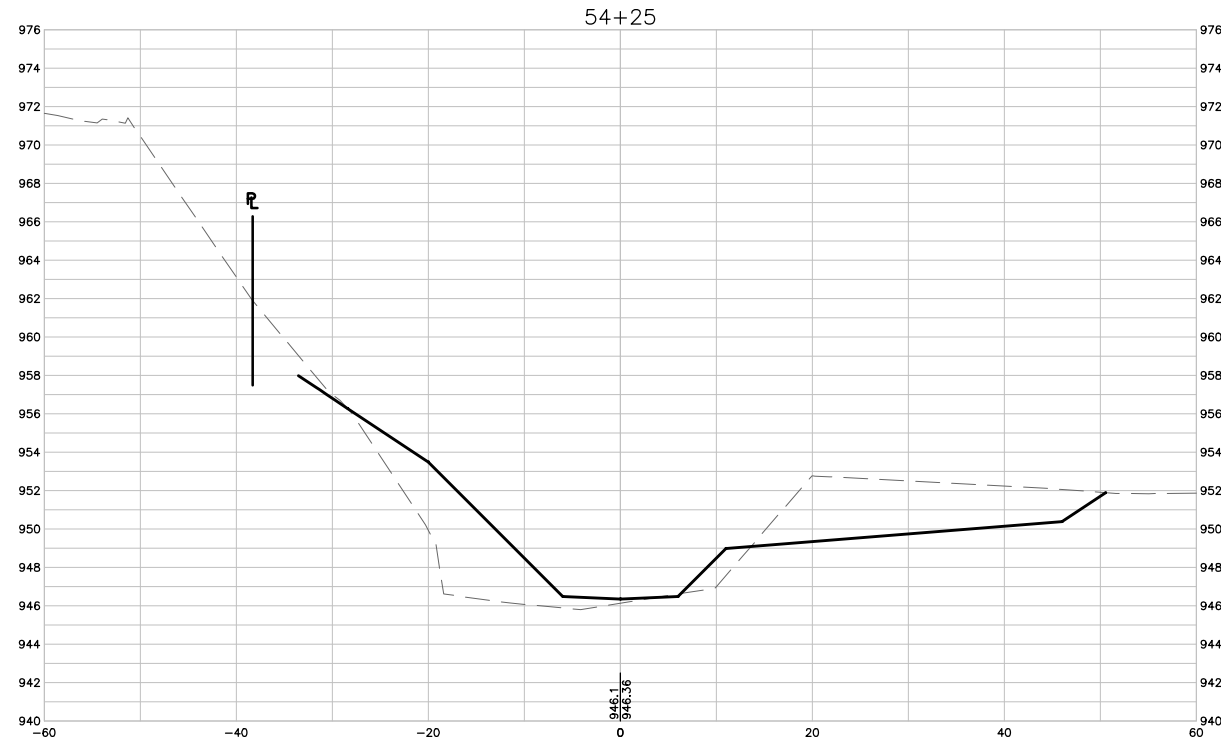
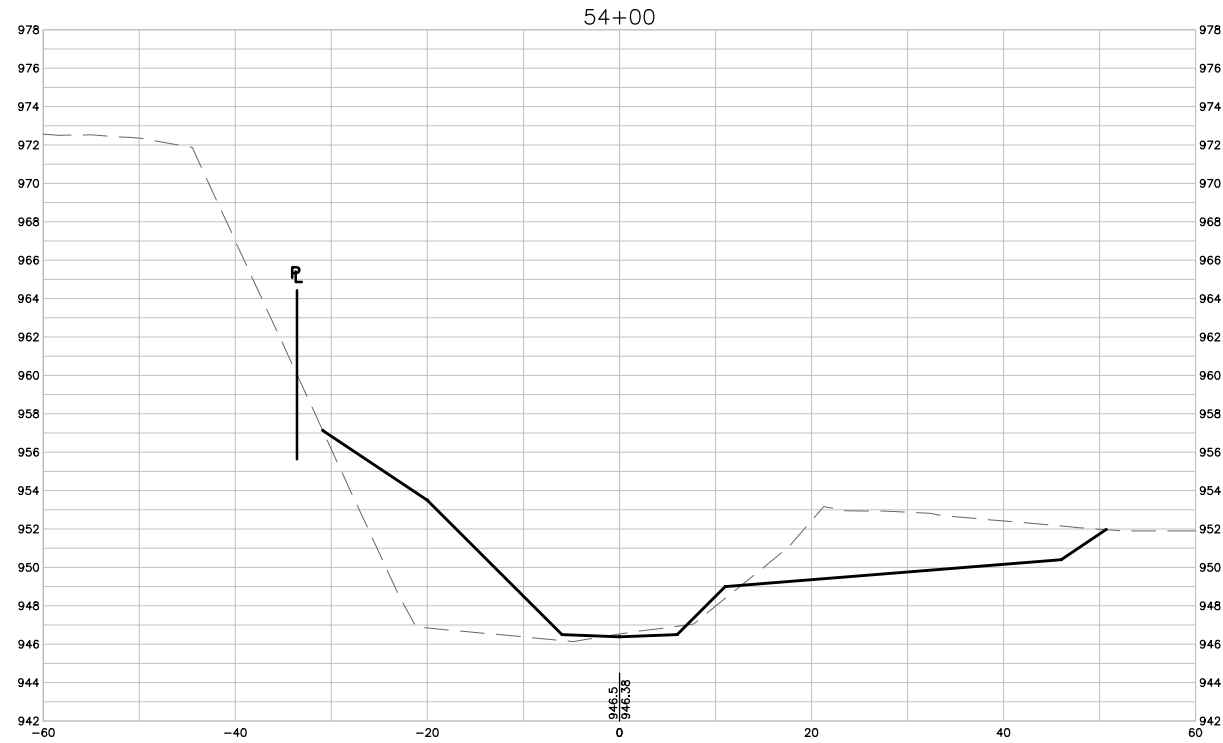


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C312

Xref: xref-2-dim01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:40:25 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C313 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

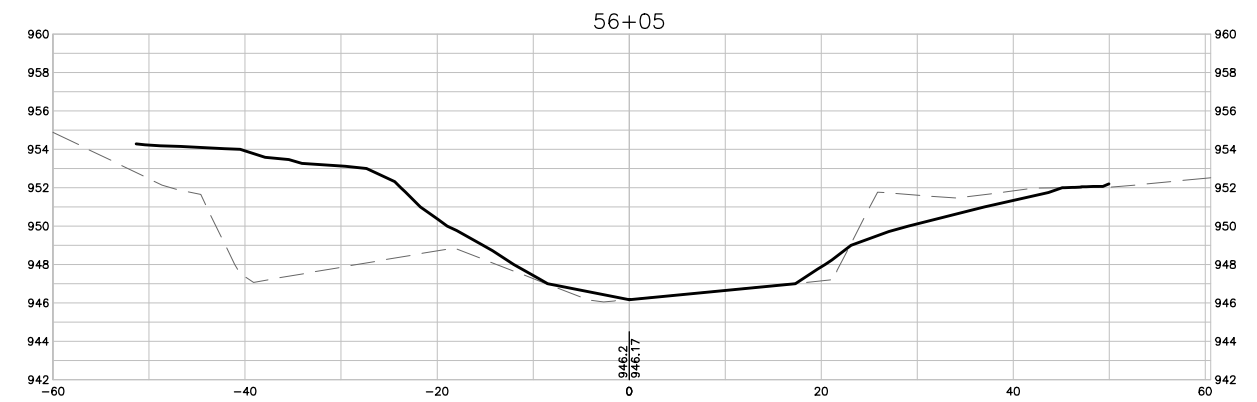
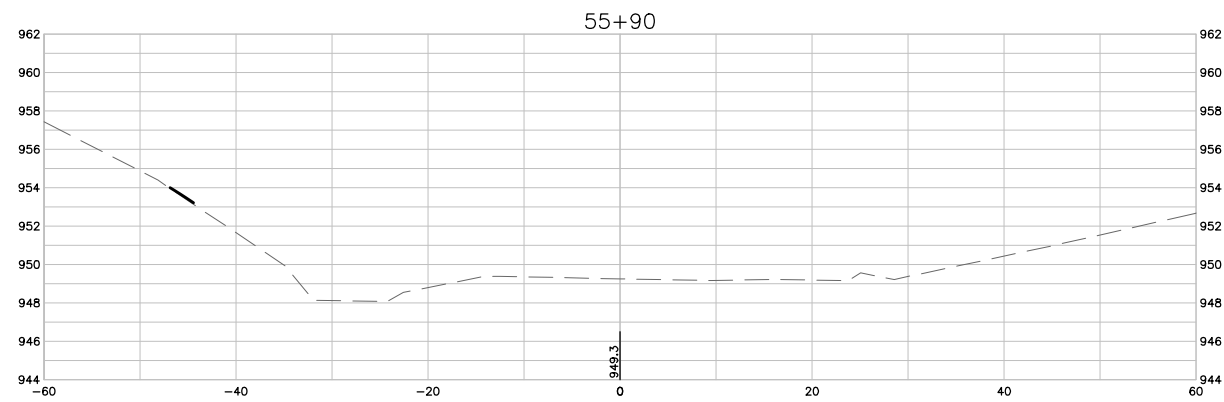
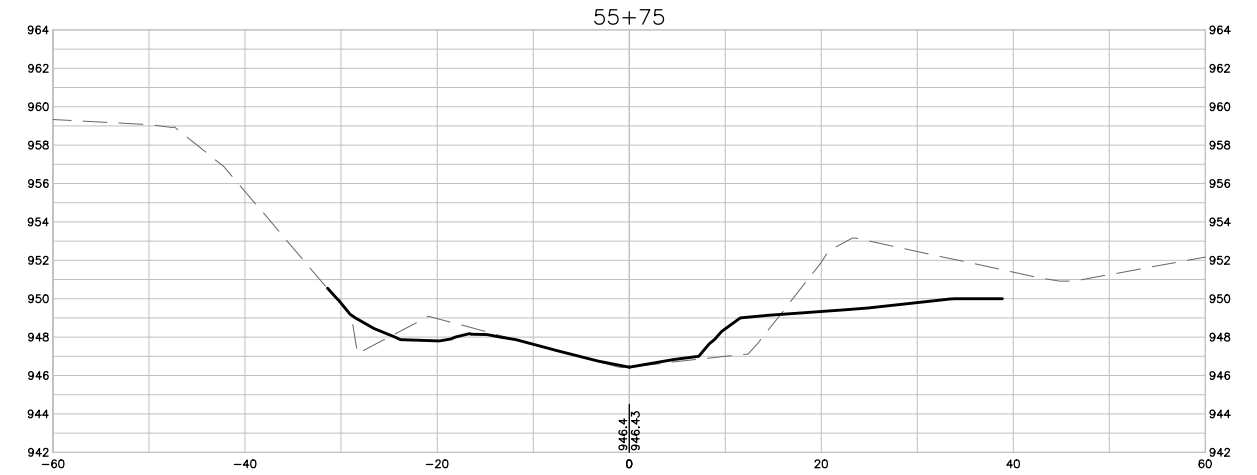
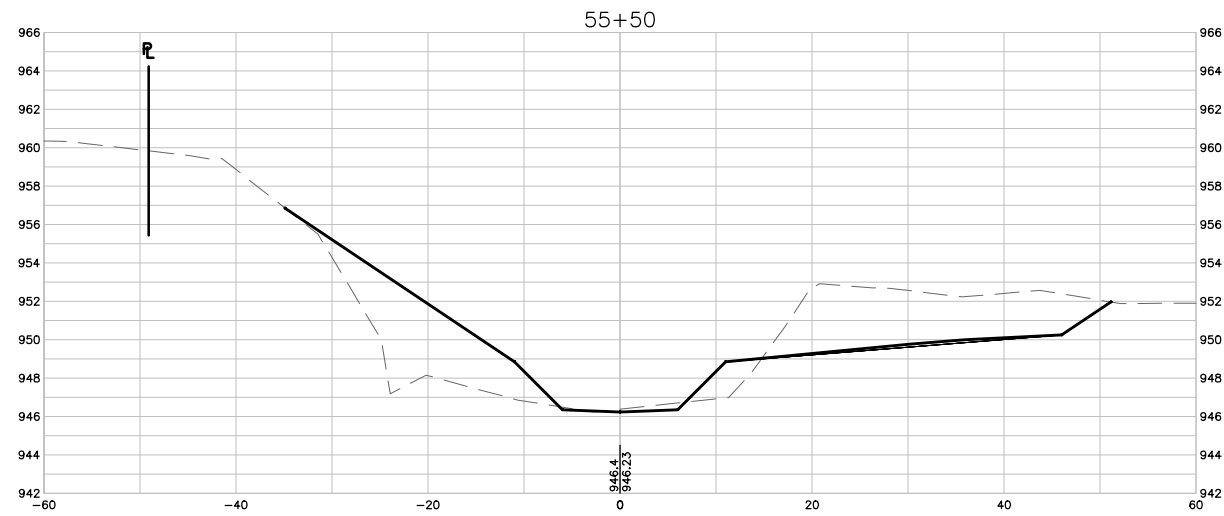
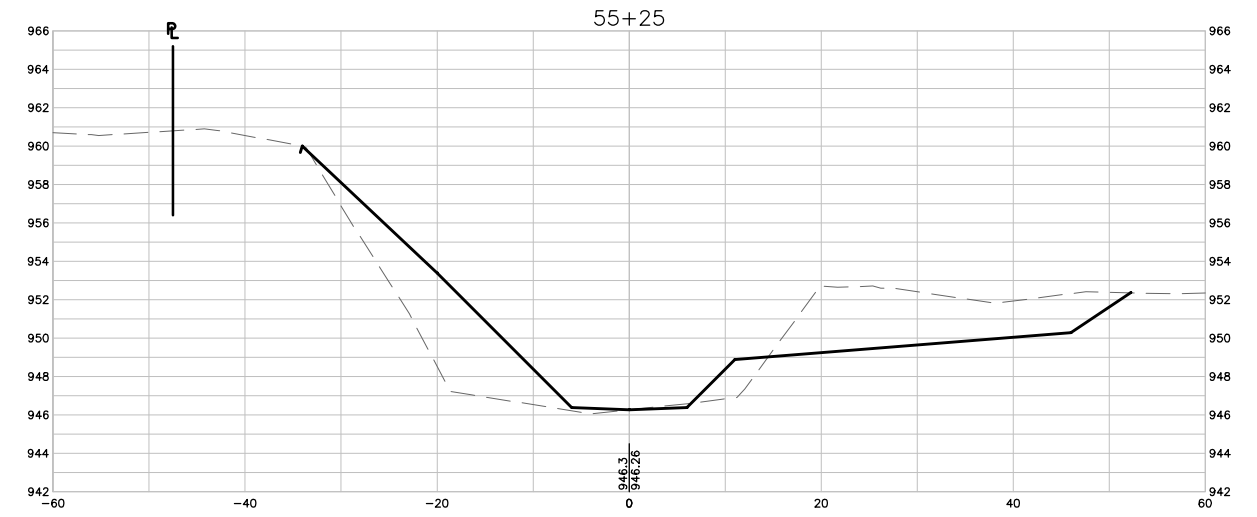
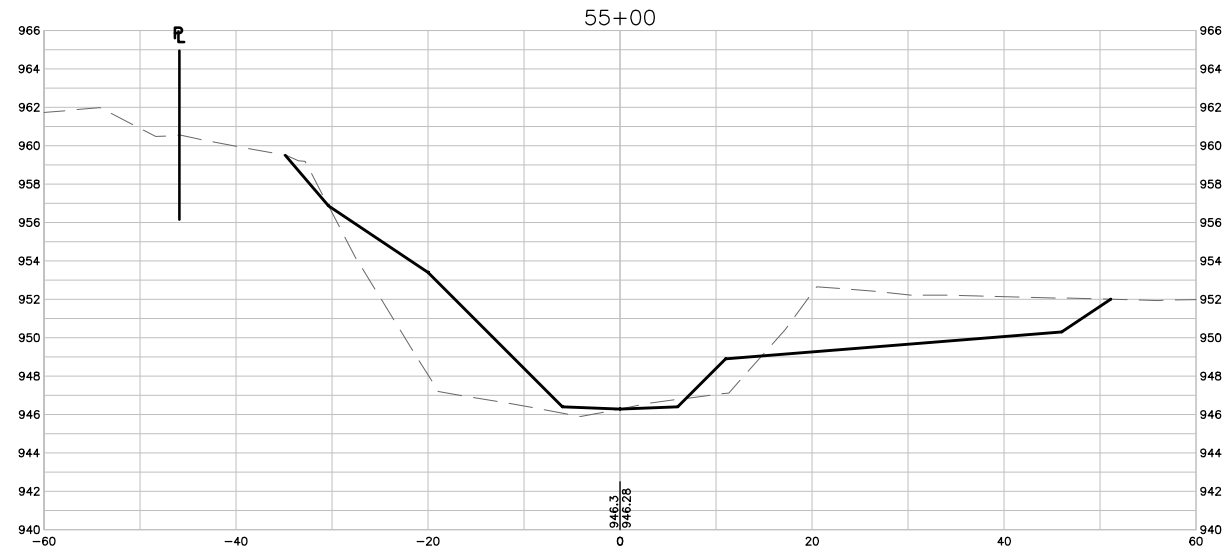


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C313

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:40:54 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C314 CROSS SECTIONS.dwg

BAR IS ONE INCH ON
 OFFICIAL DRAWINGS.
 0 [Symbol] 1"
 IF NOT ONE INCH,
 ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

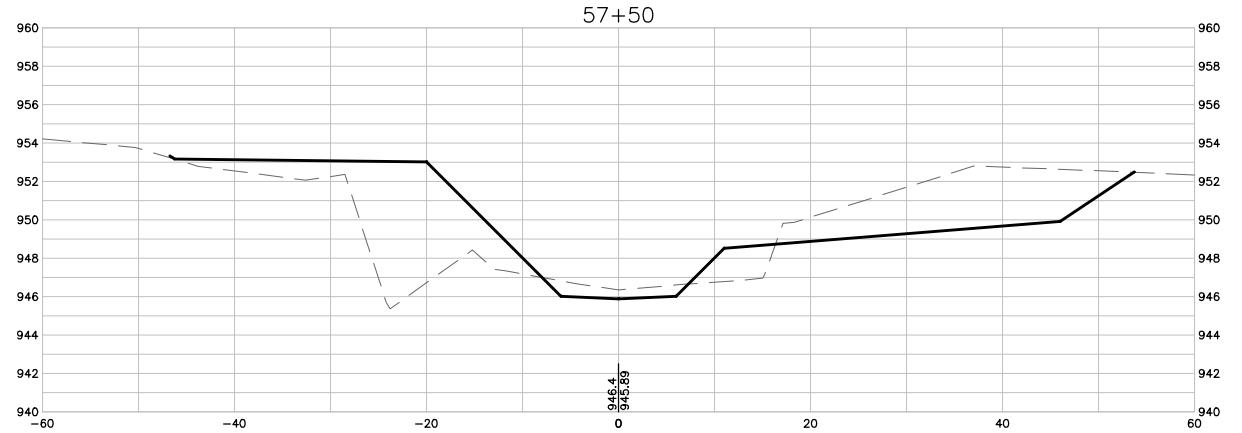
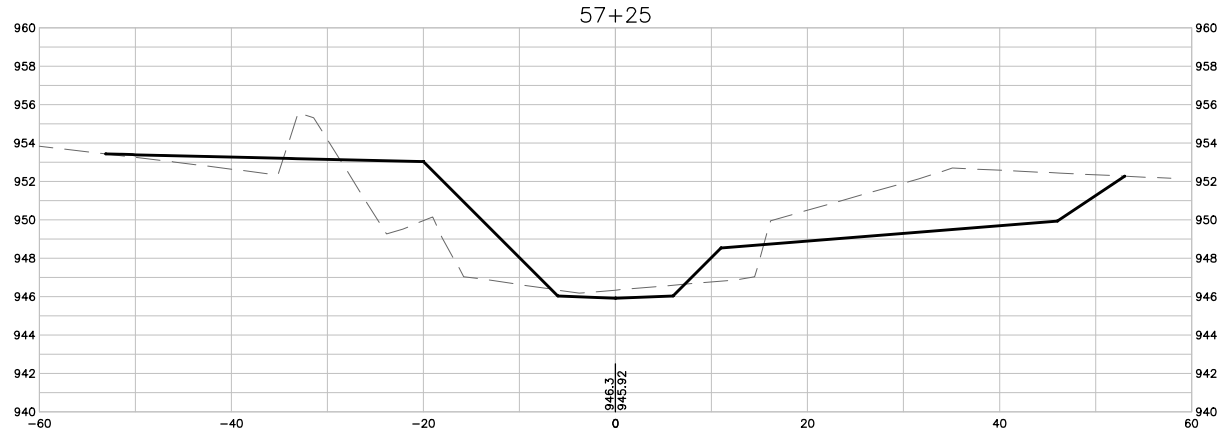
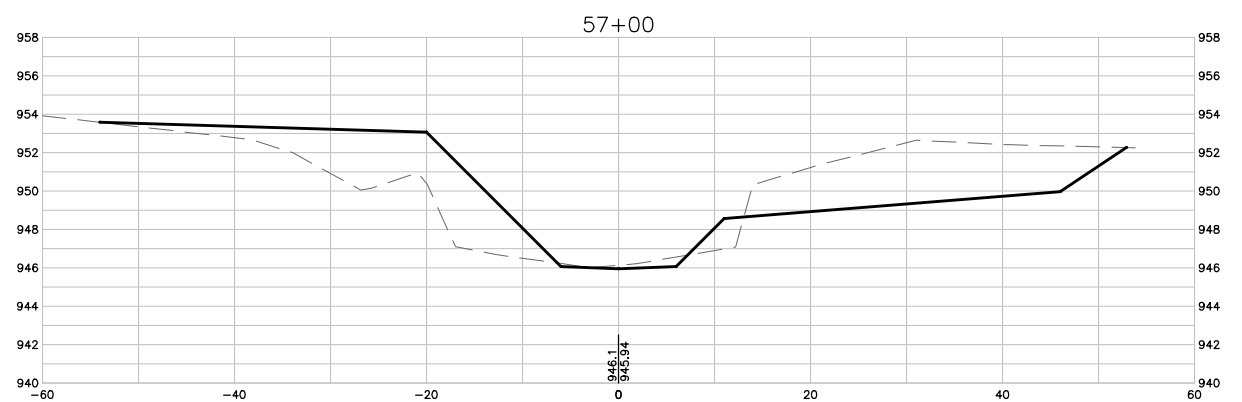
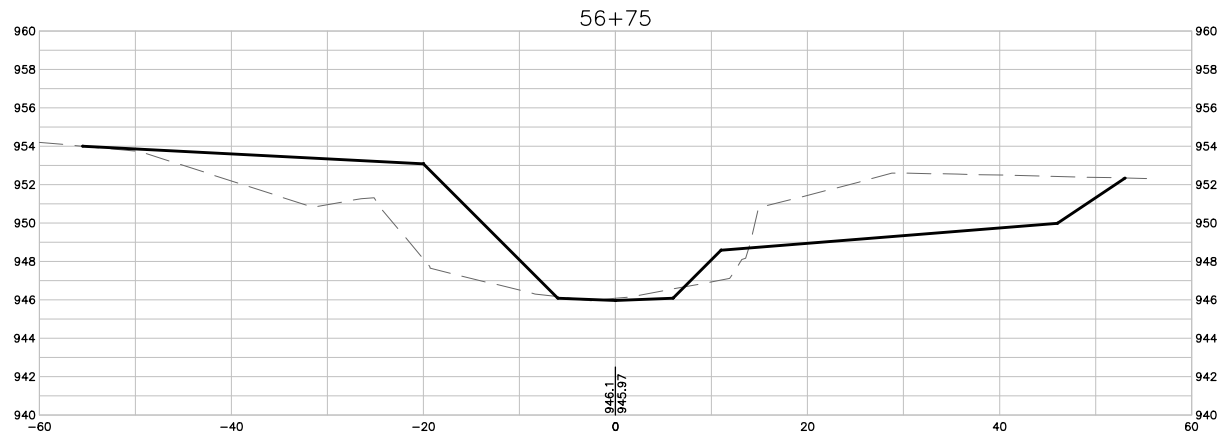
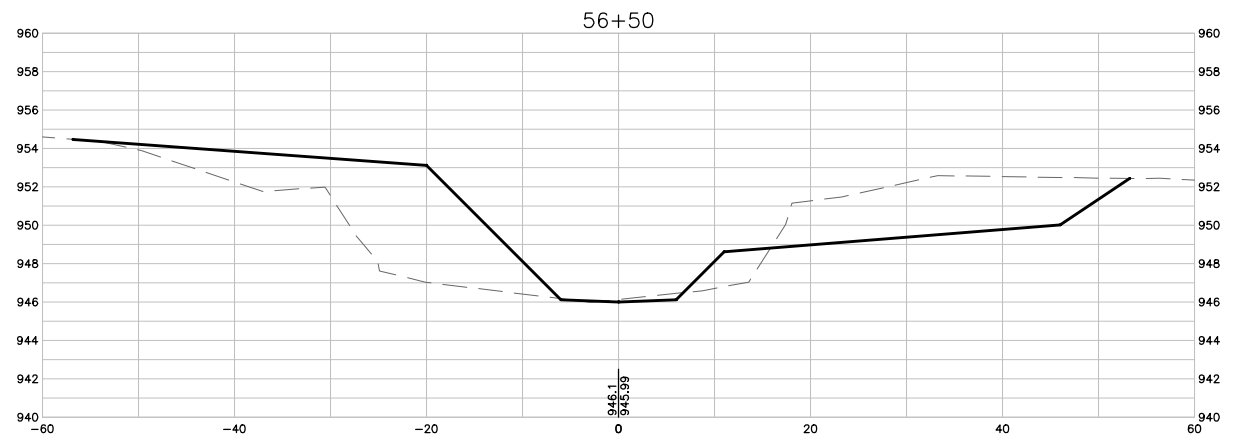
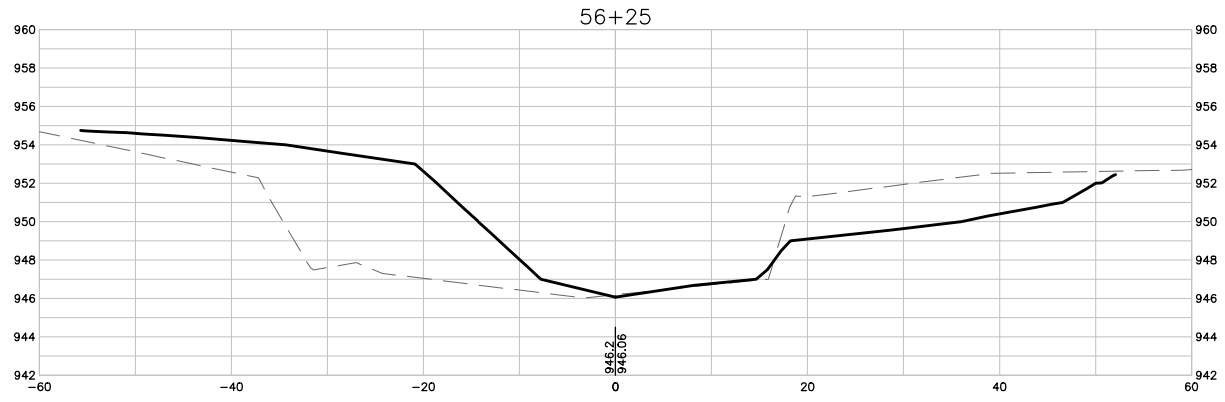


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C314

Xrefs: xgl-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ
 APPROVED: KRB
 CAD DATE: 10/28/2024 4:41:25 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C315 CROSS SECTIONS.dwg

JOB DATE: 2025
 JOB NUMBER: 191900.03

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

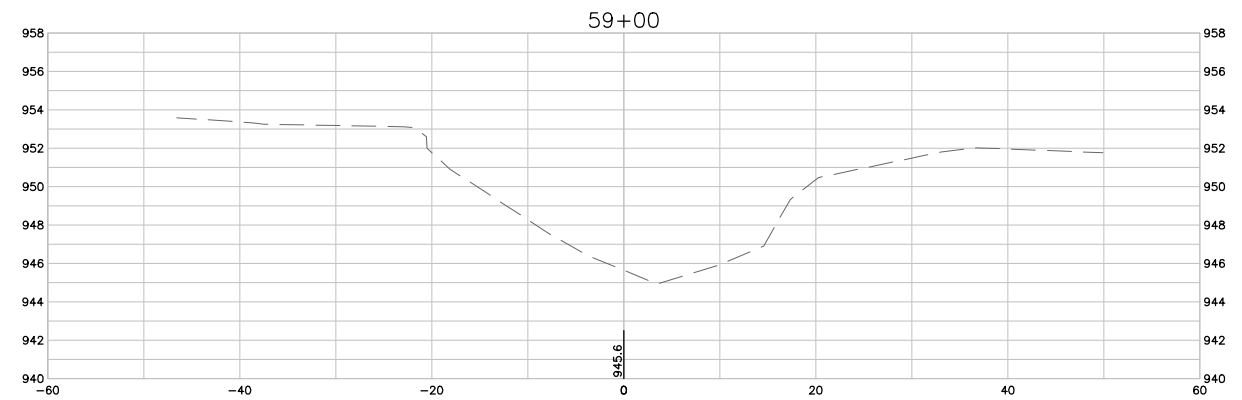
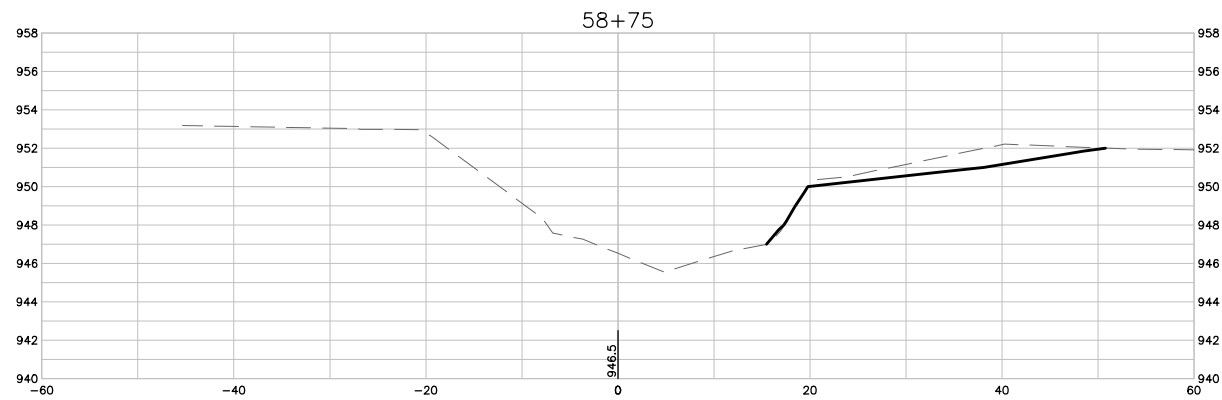
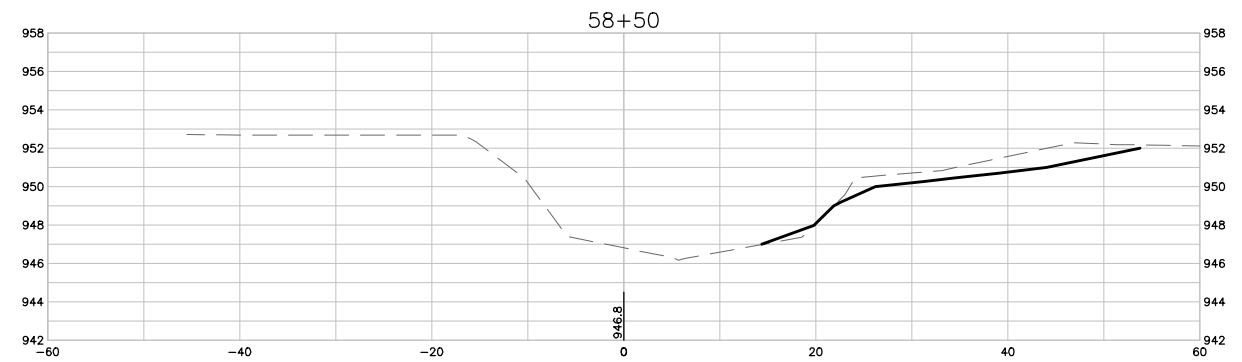
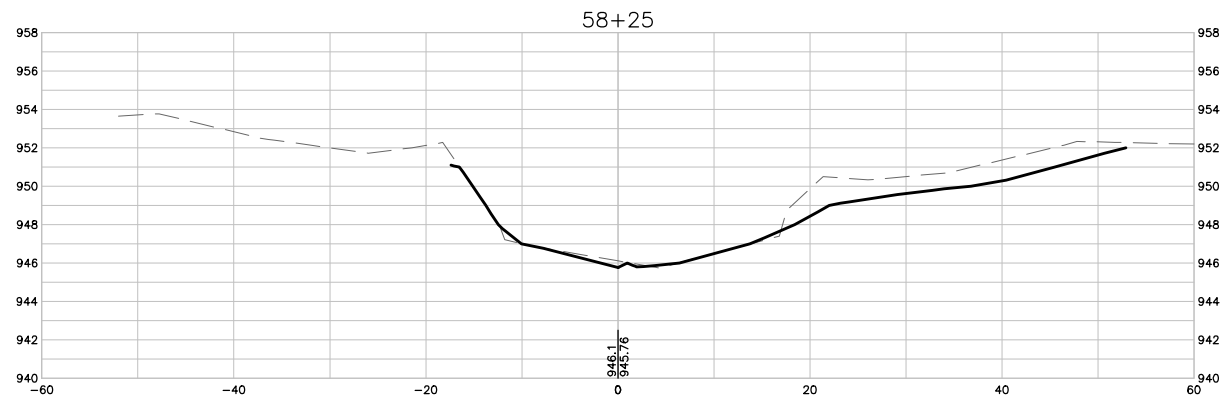
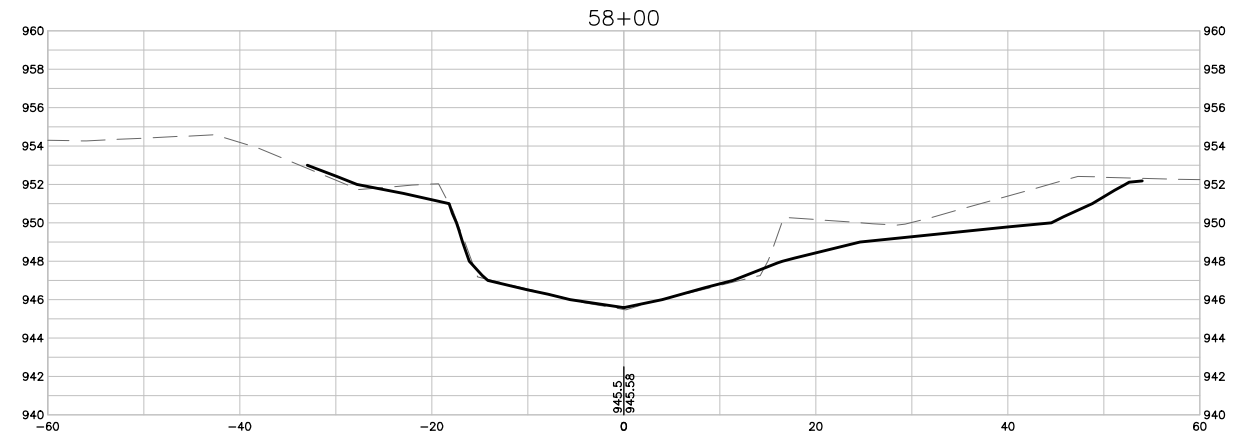
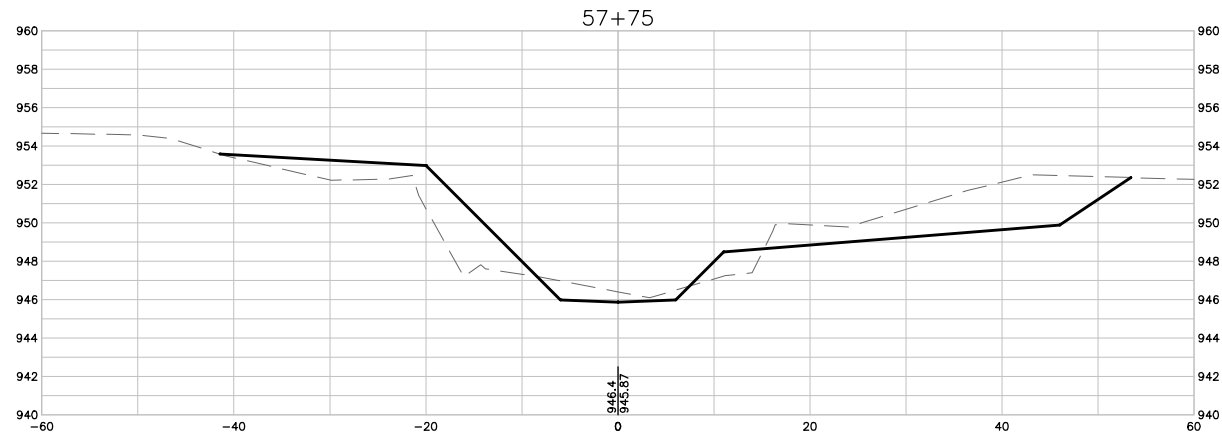


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C315

Xref: xgl-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:48:55 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C316 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

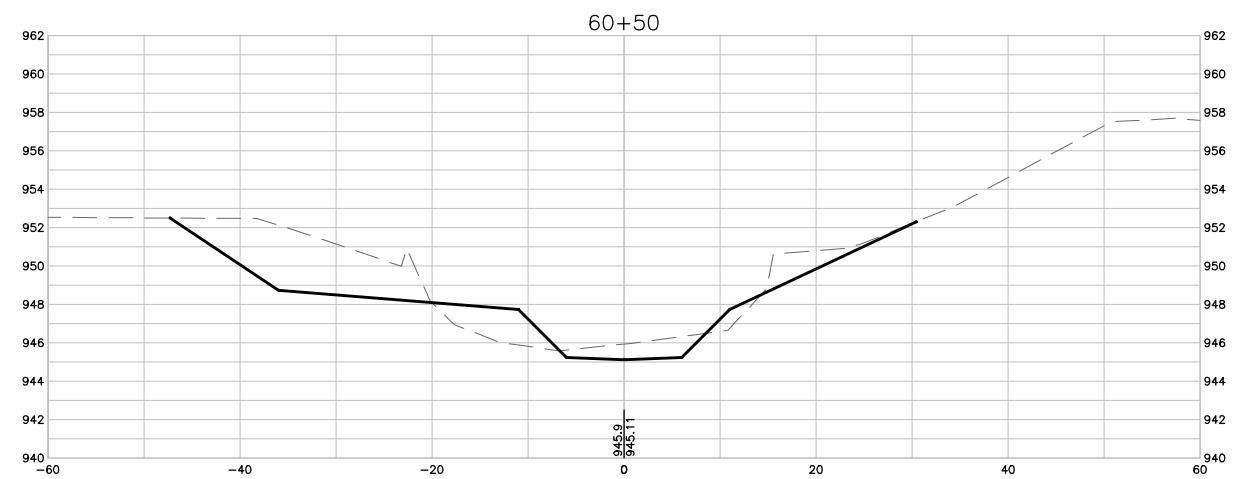
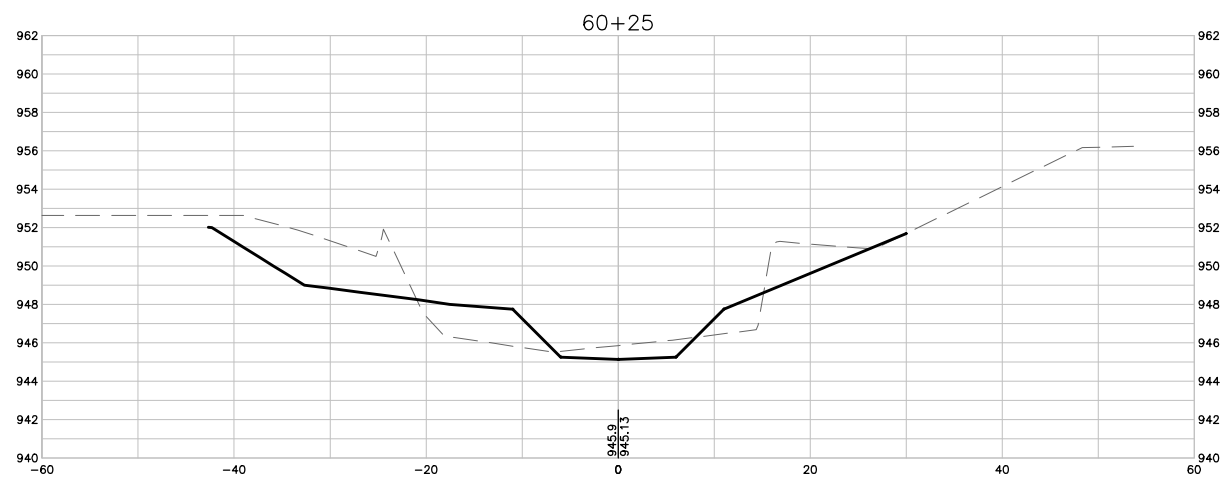
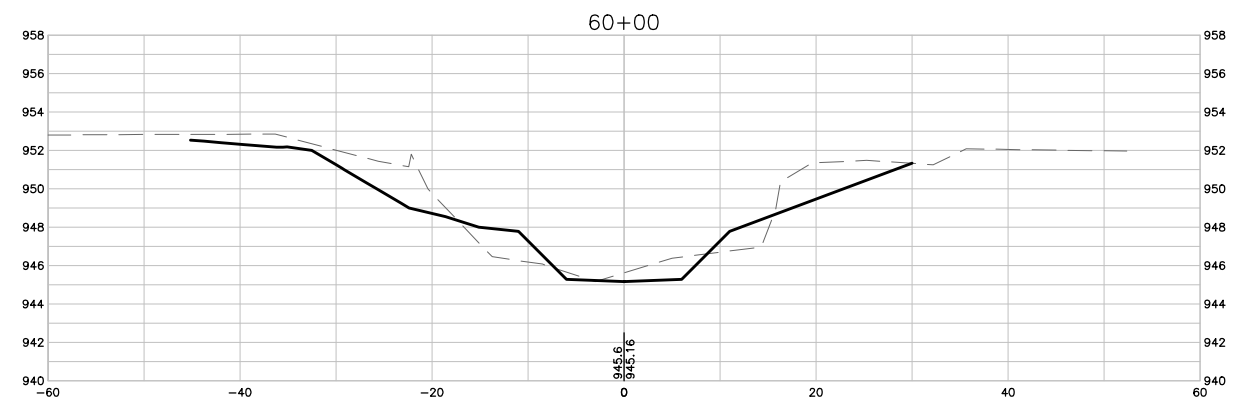
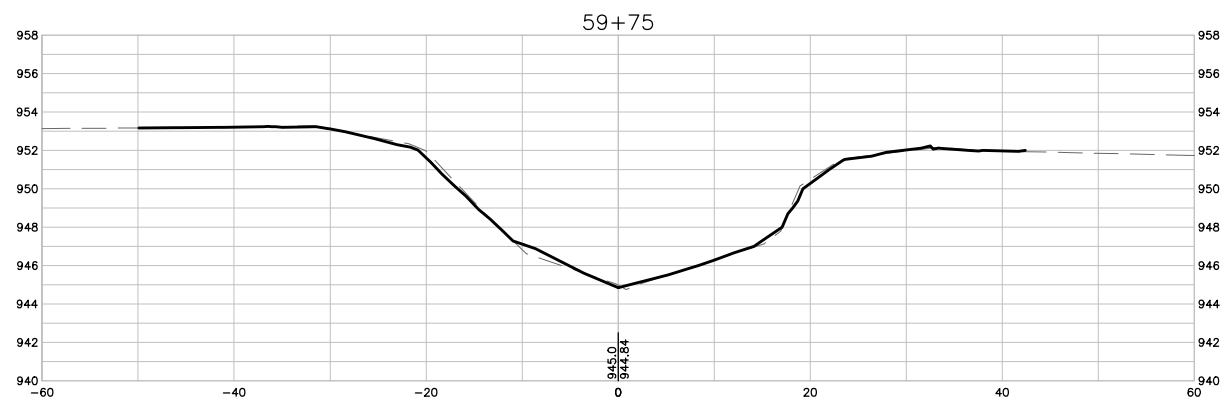
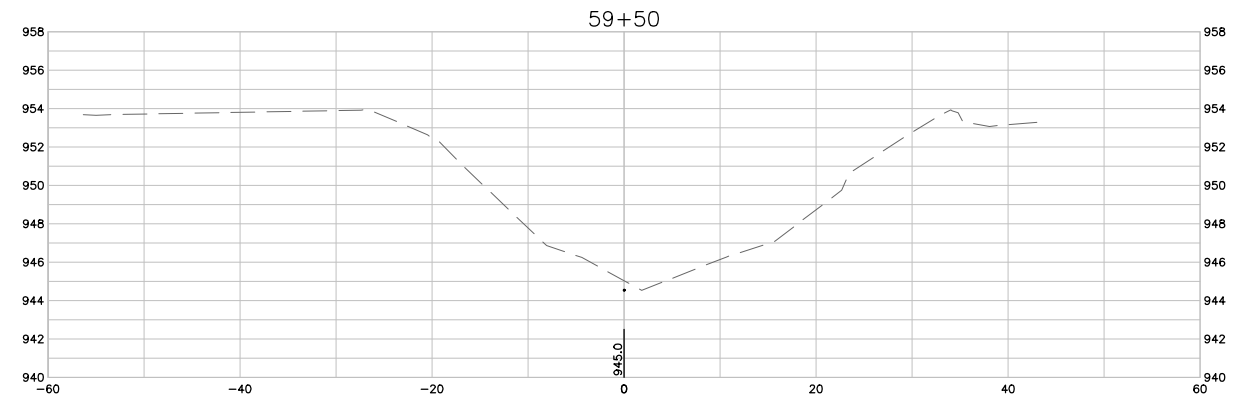
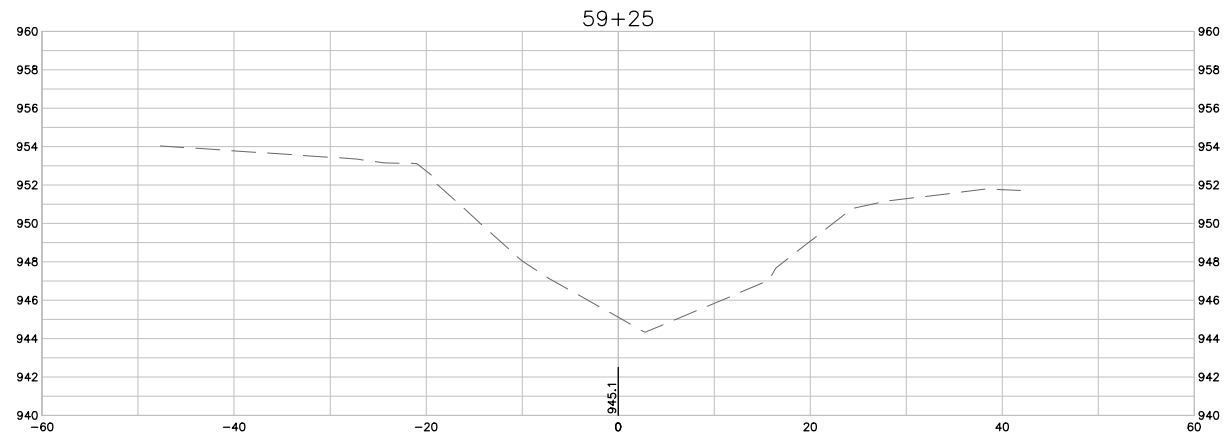


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C316

Xrefs: xgl-2-dh01; XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:49:32 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C317 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

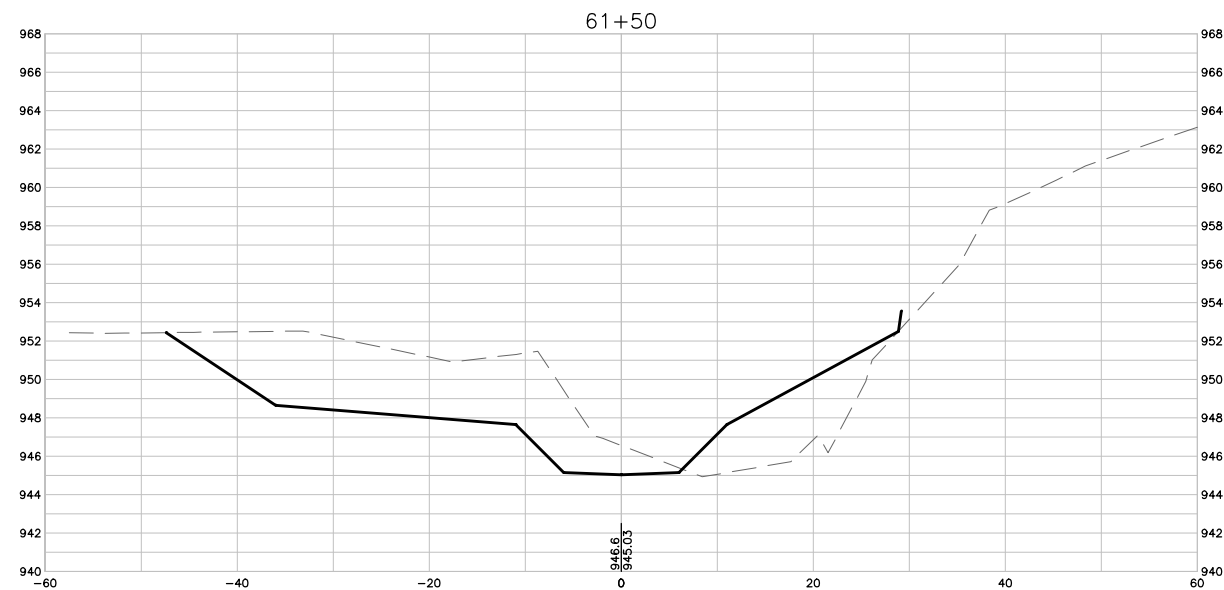
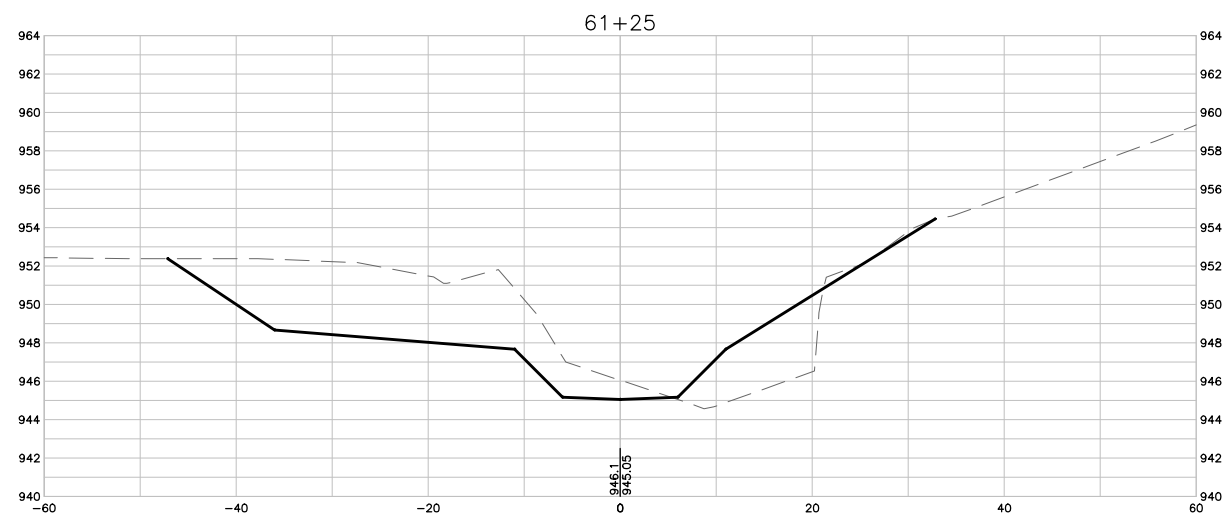
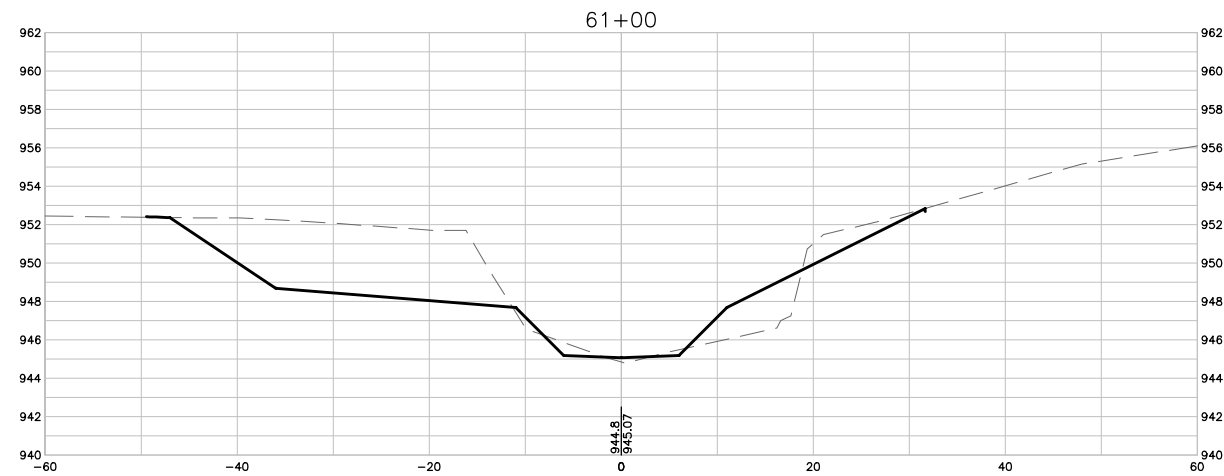
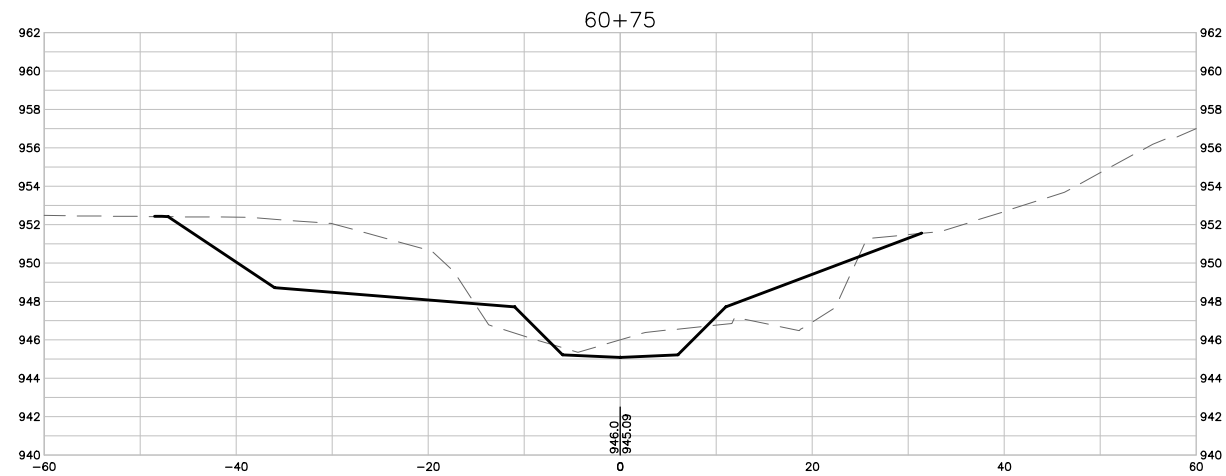


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C317

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:50:01 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C318 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

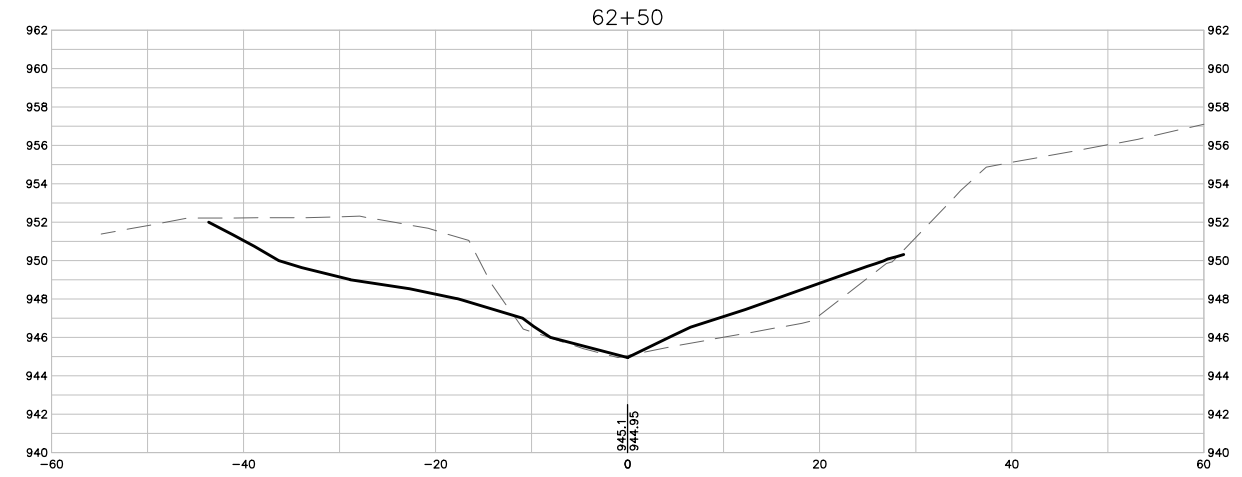
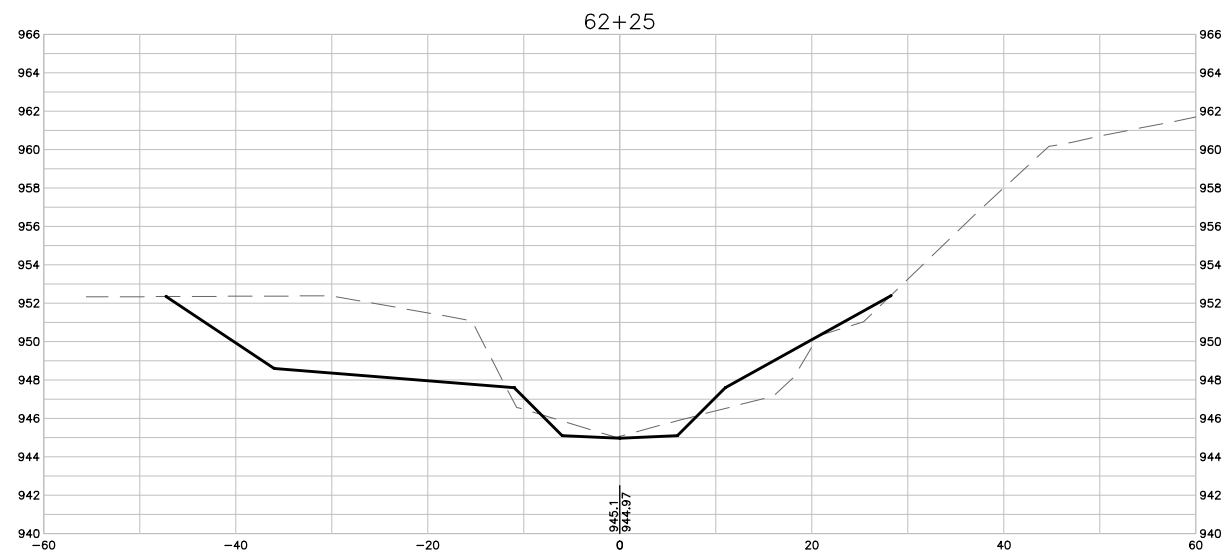
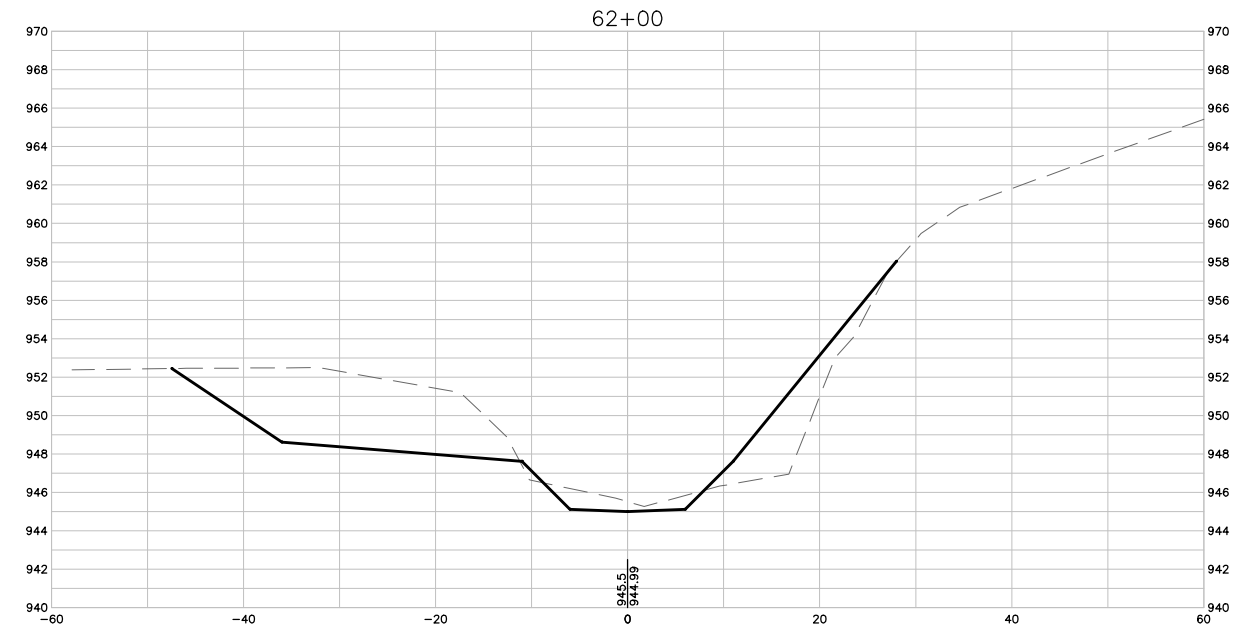
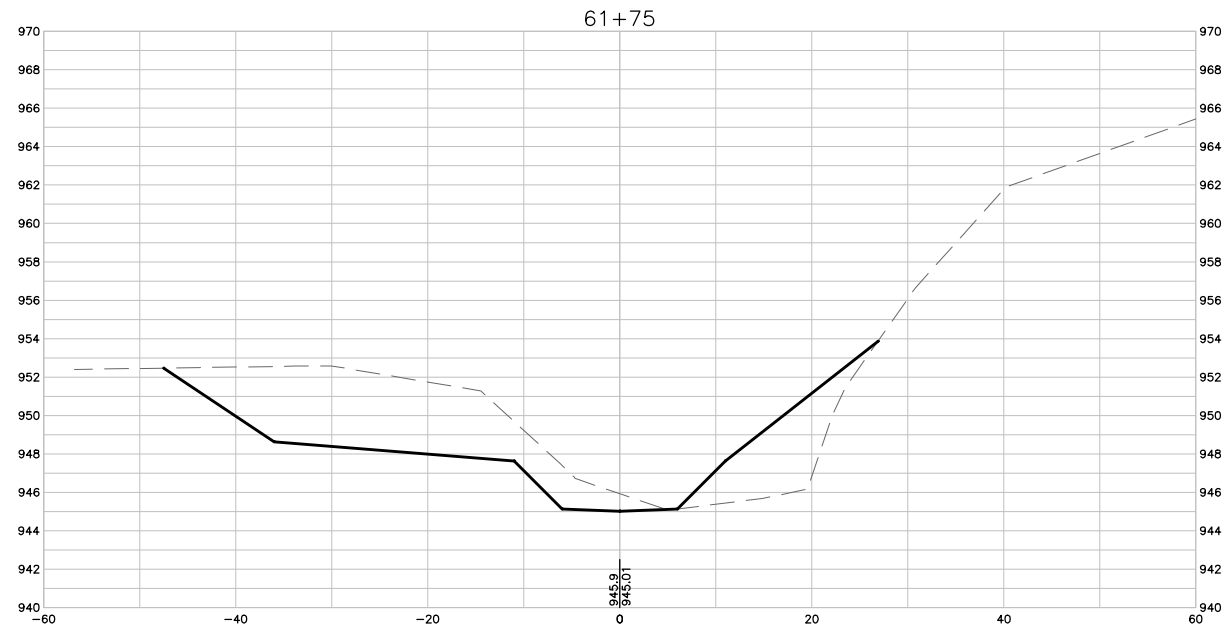


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C318

Xref: xgl-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ
 APPROVED: KRB
 CAD DATE: 10/28/2024 4:50:43 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C319 CROSS SECTIONS.dwg

JOB DATE: 2025
 JOB NUMBER: 191900.03

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

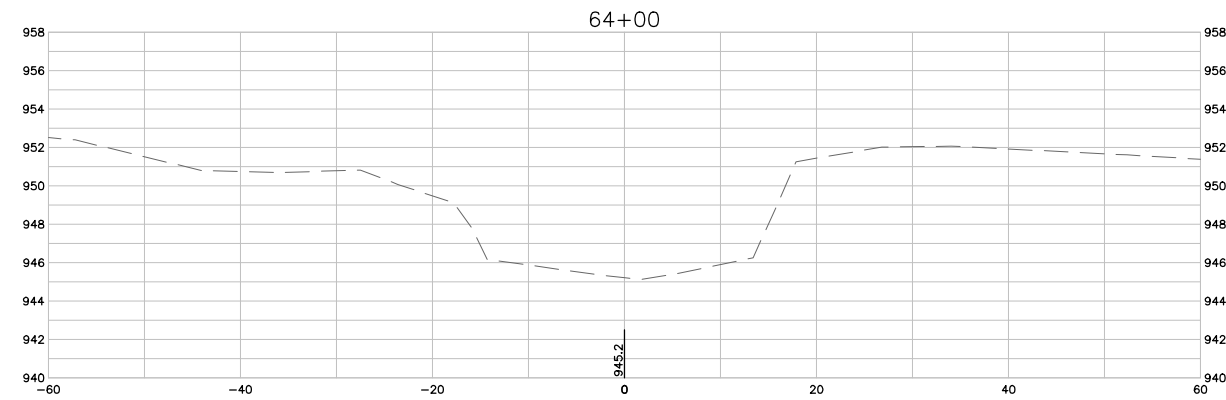
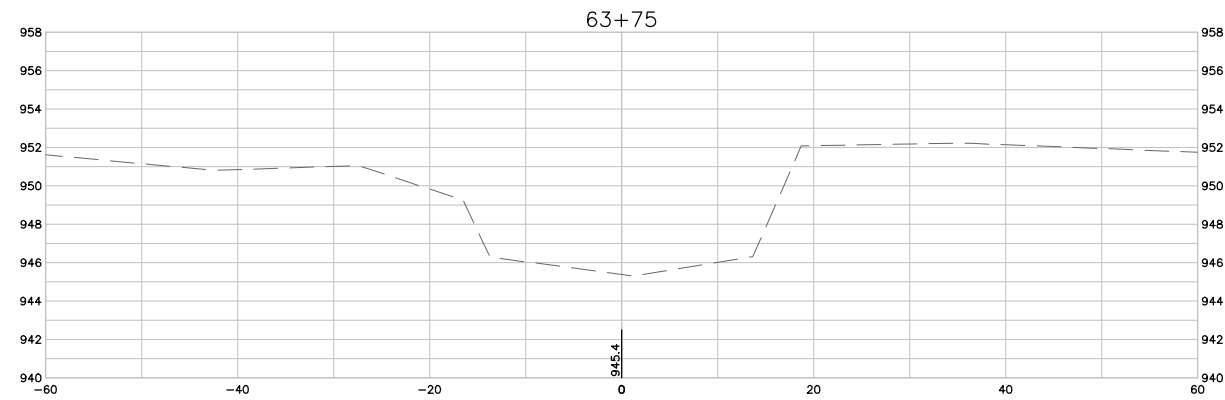
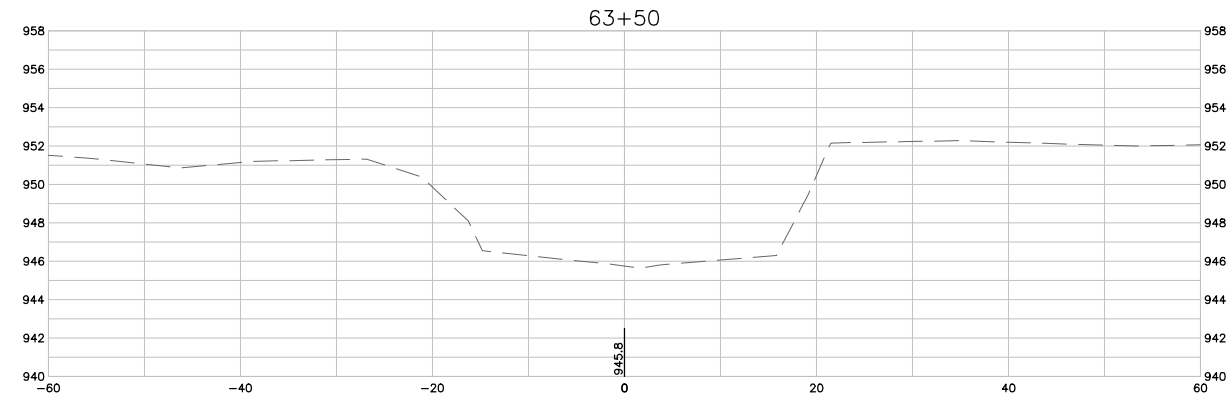
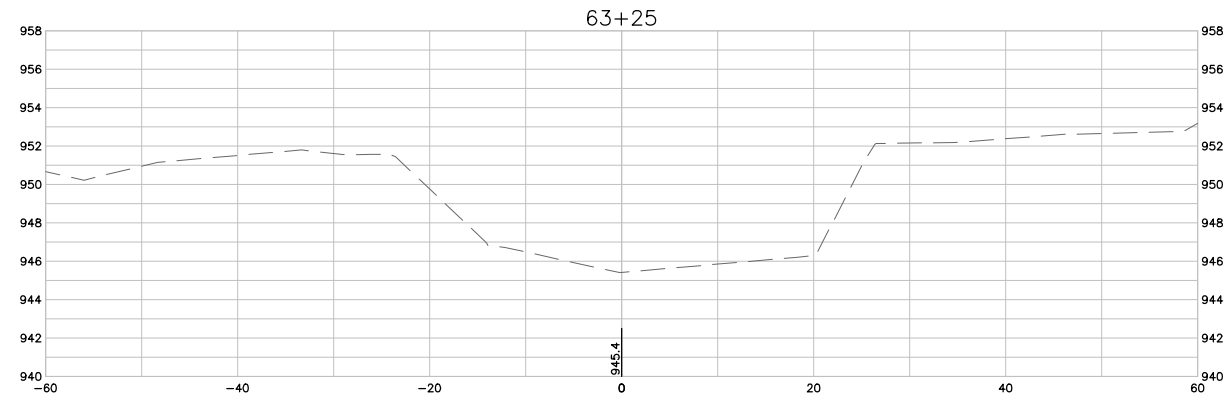
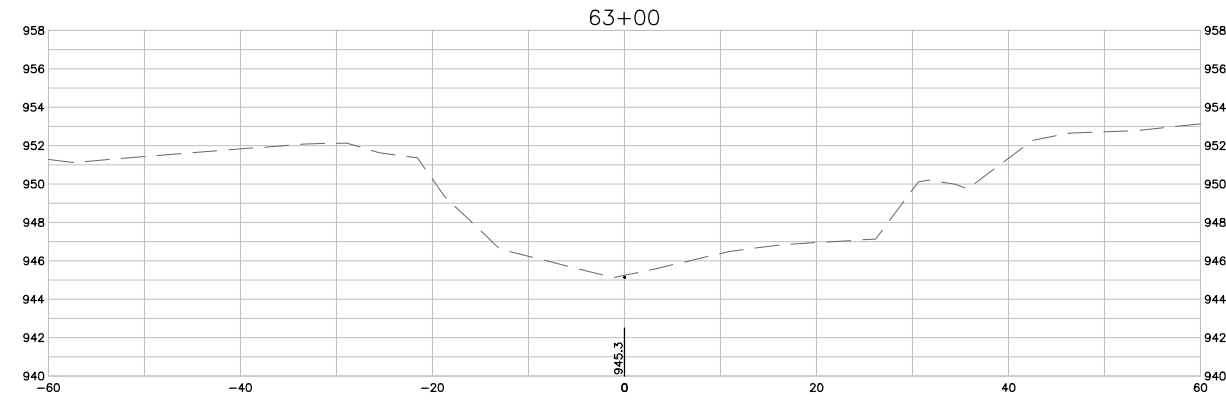
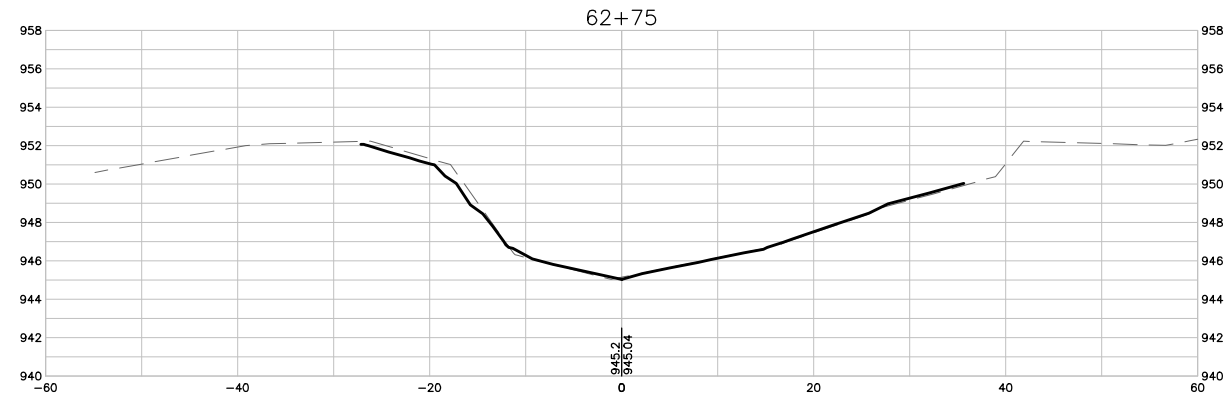


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C319

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:51:17 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C320 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 [Symbol] 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

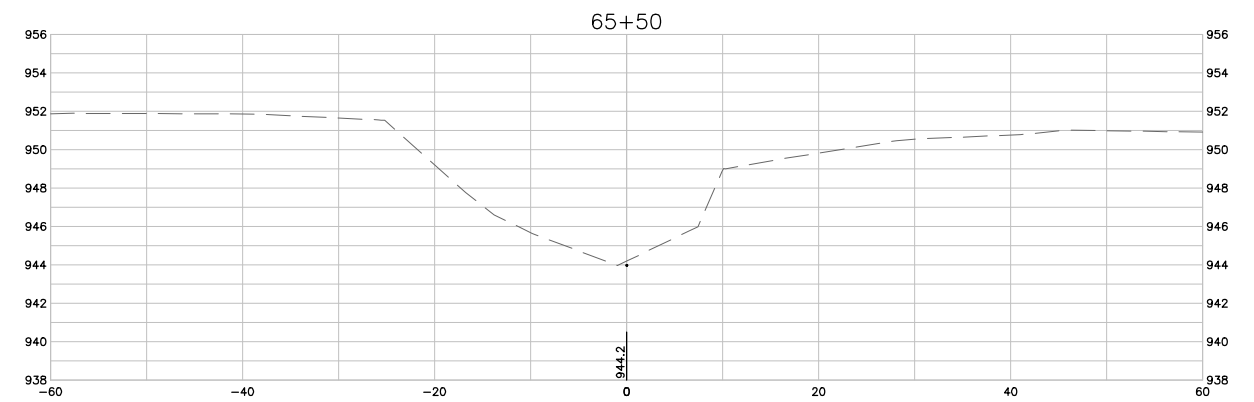
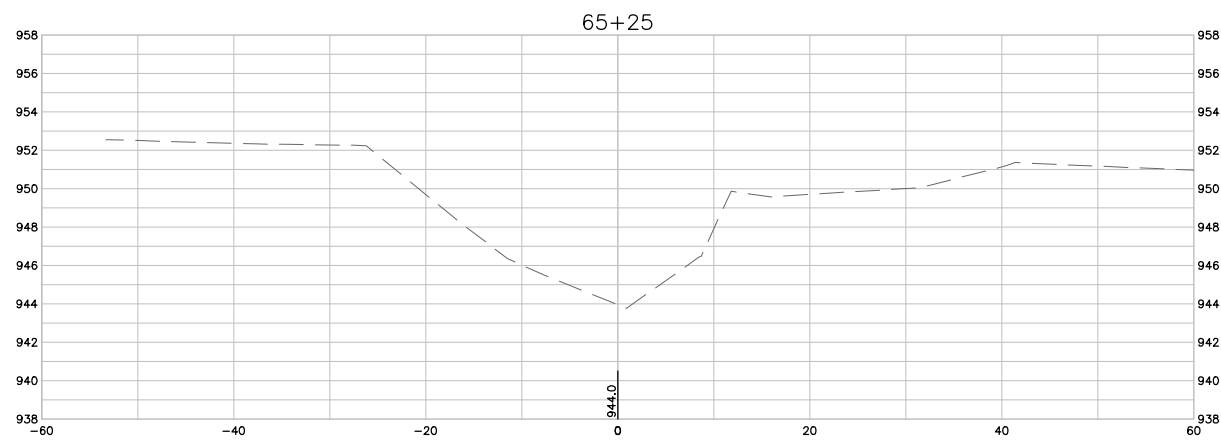
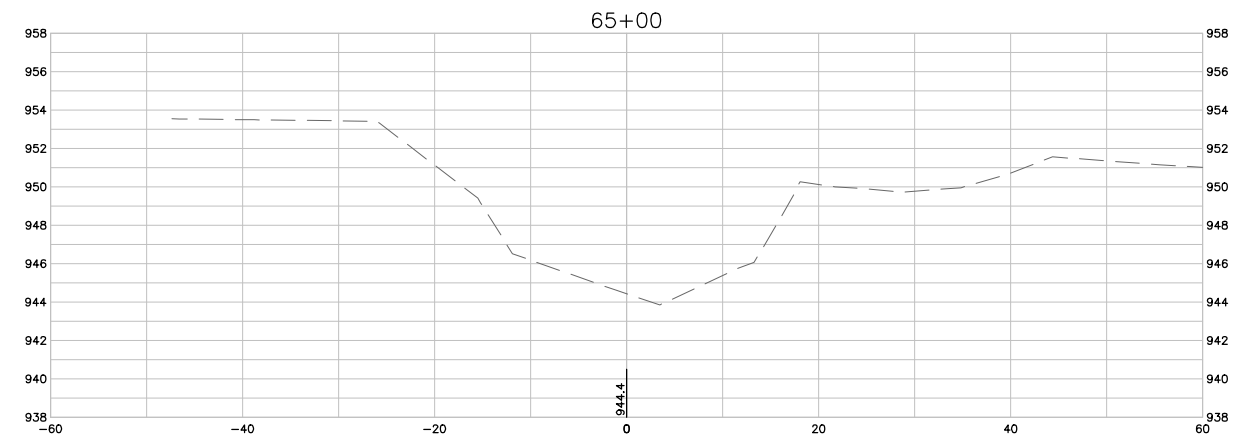
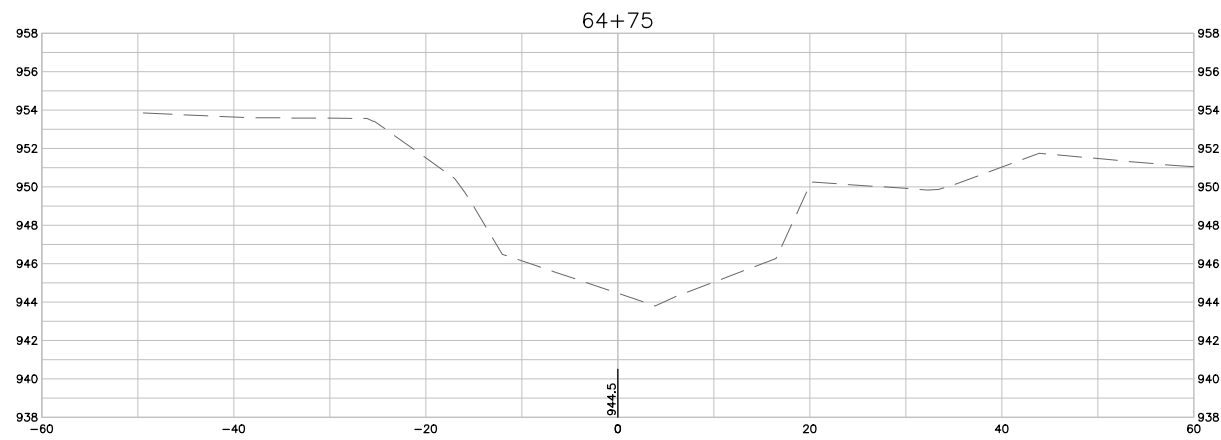
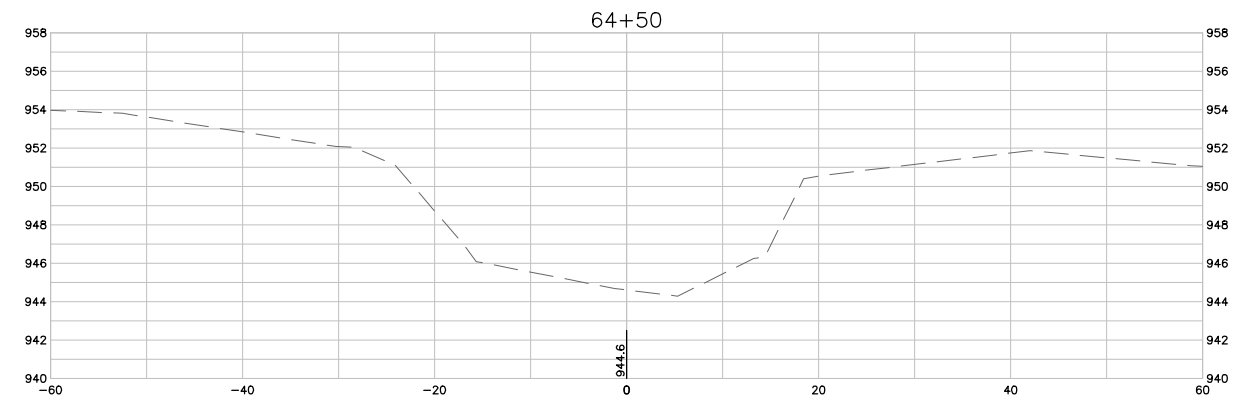
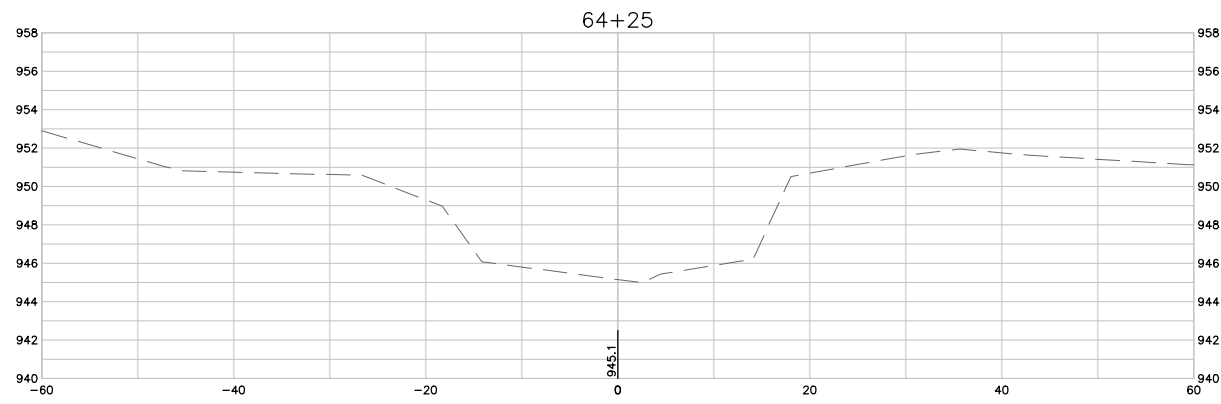


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C320

Xref: xgl-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:51:54 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C321 CROSS SECTIONS.dwg

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 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

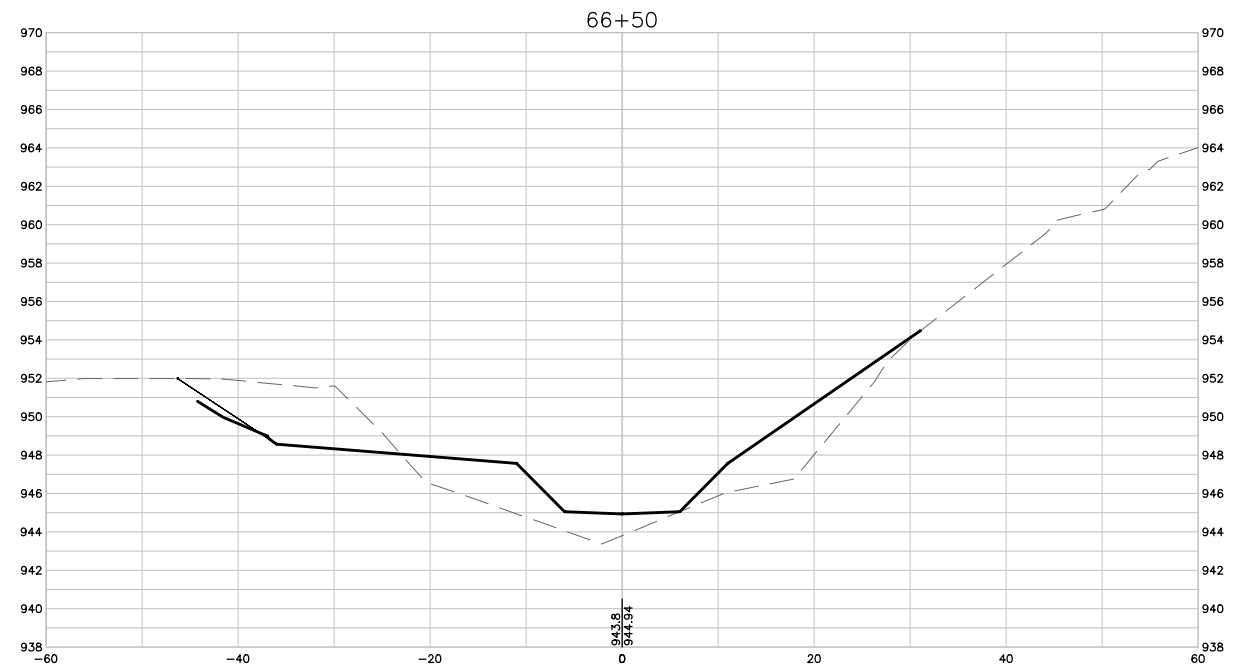
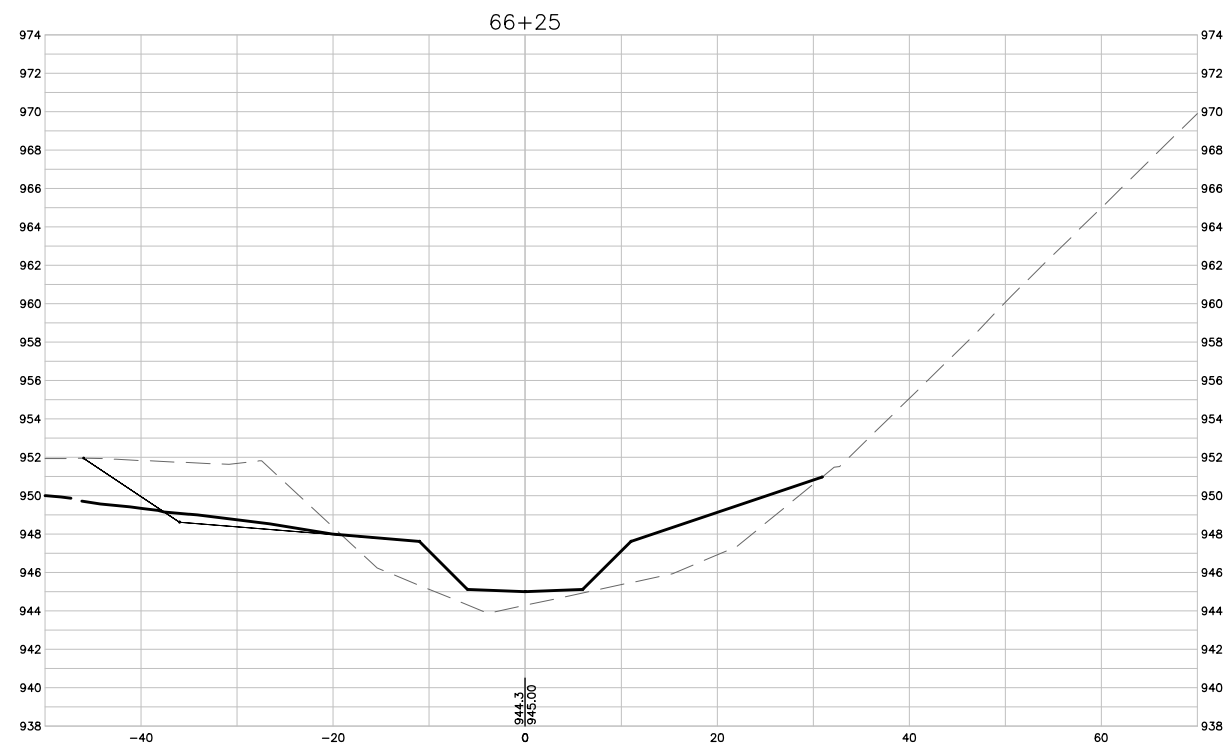
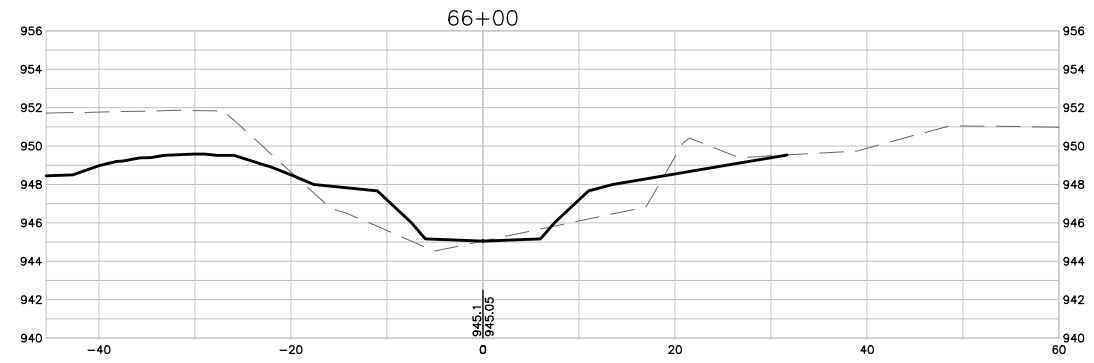
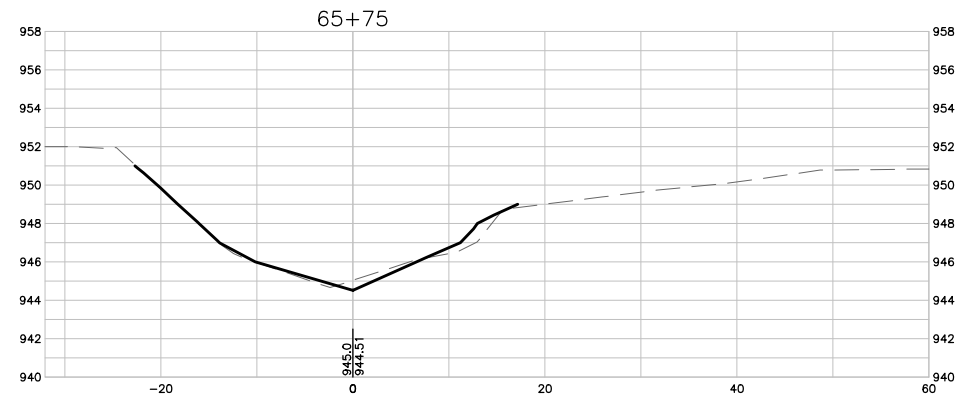


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C321

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:56:28 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C322 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

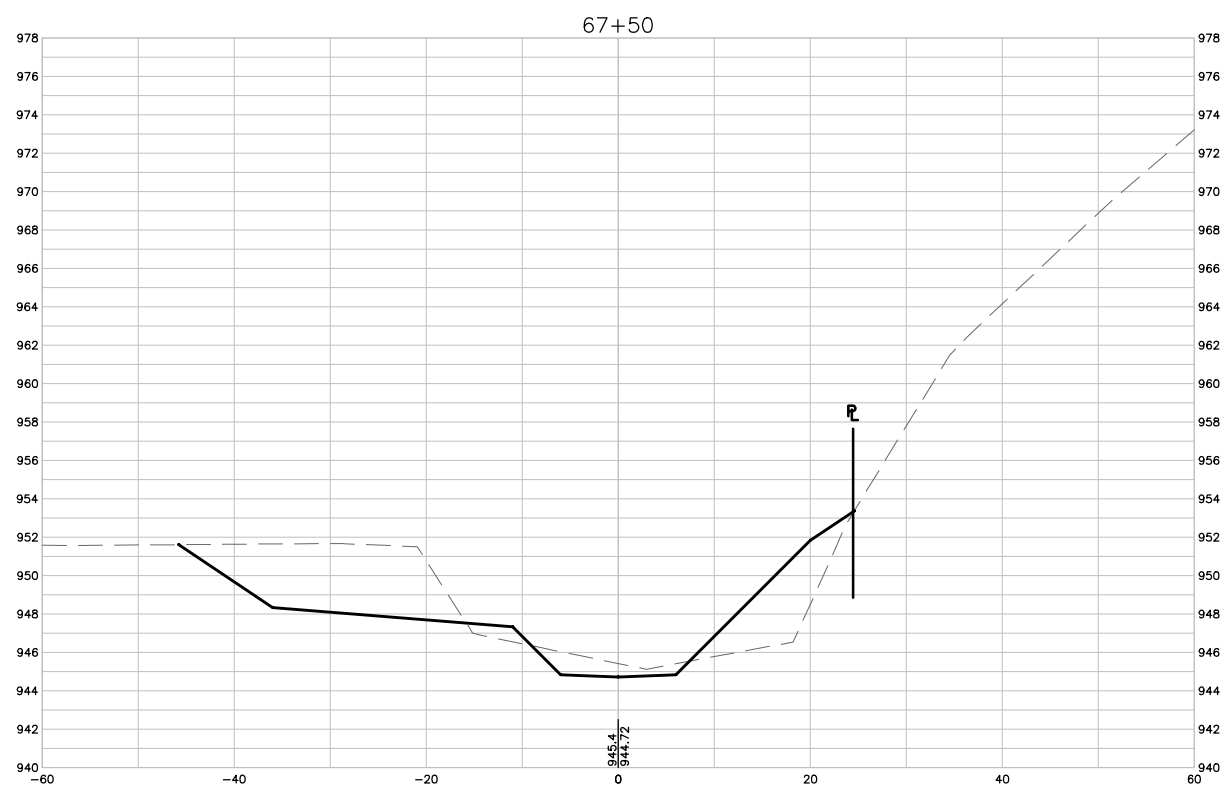
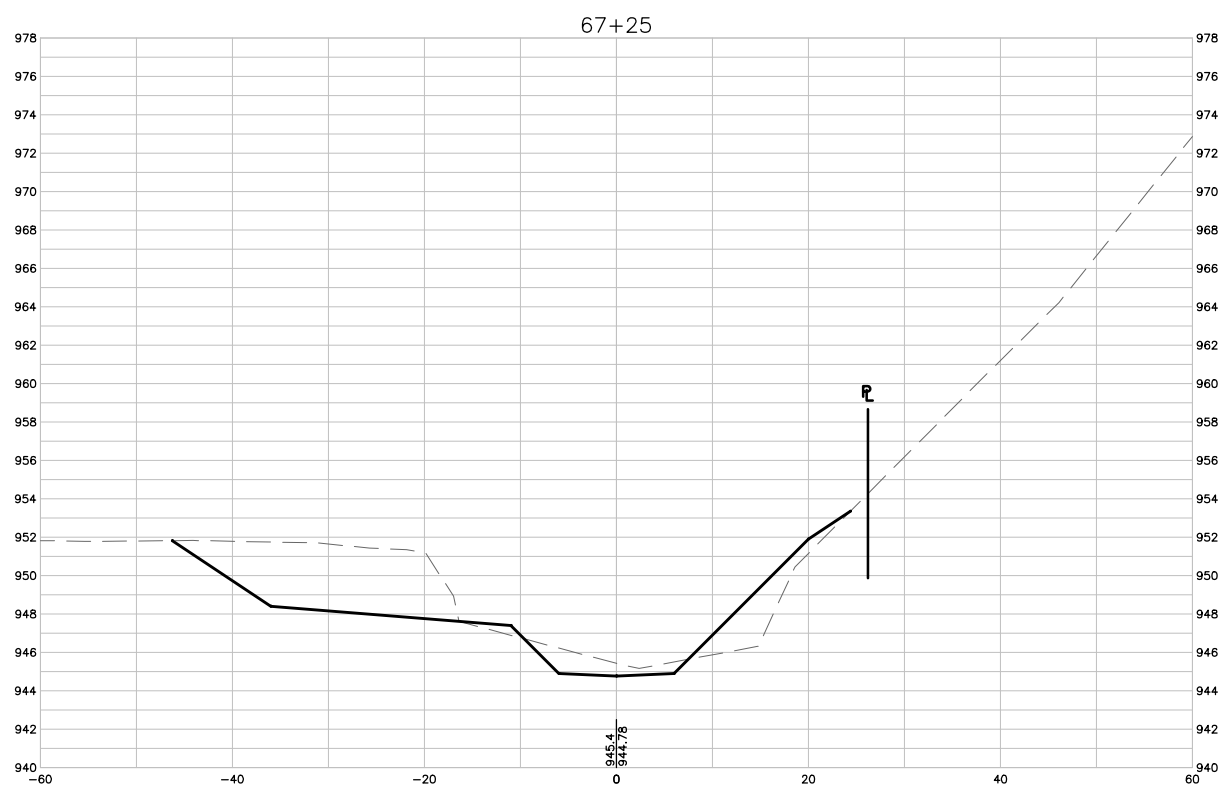
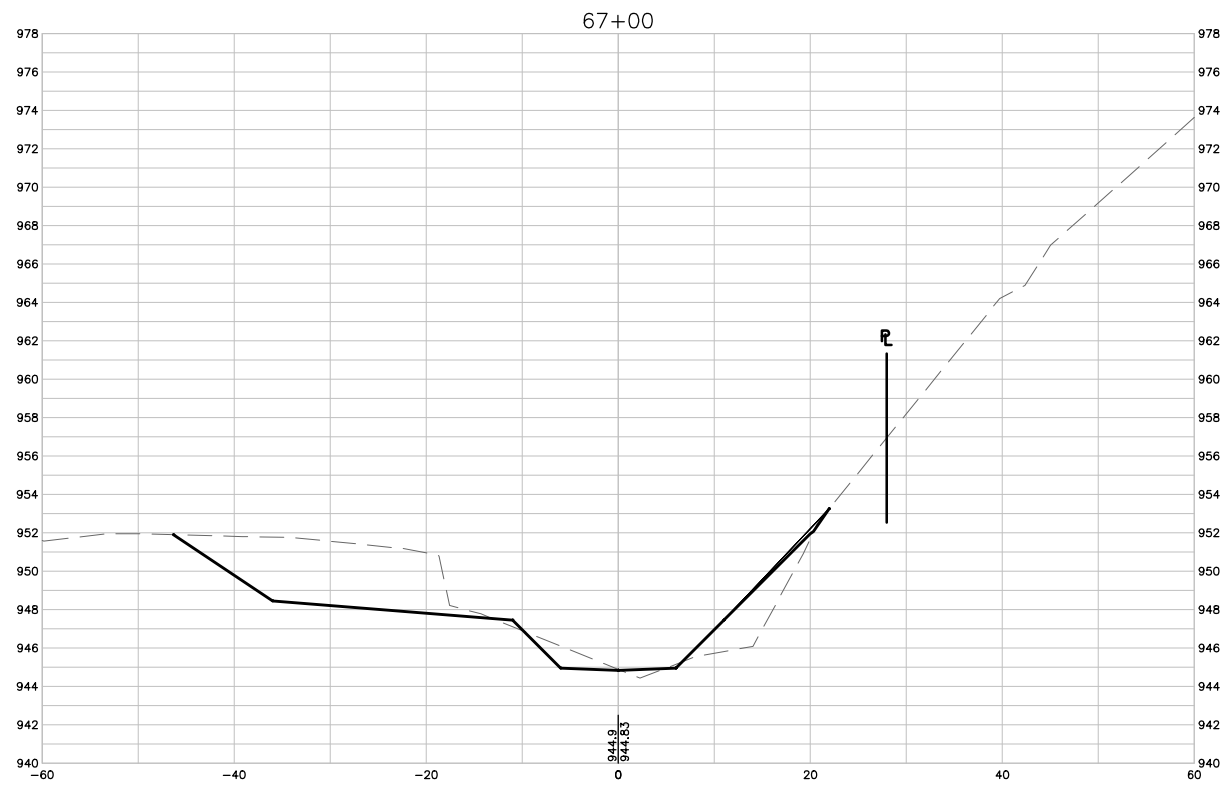
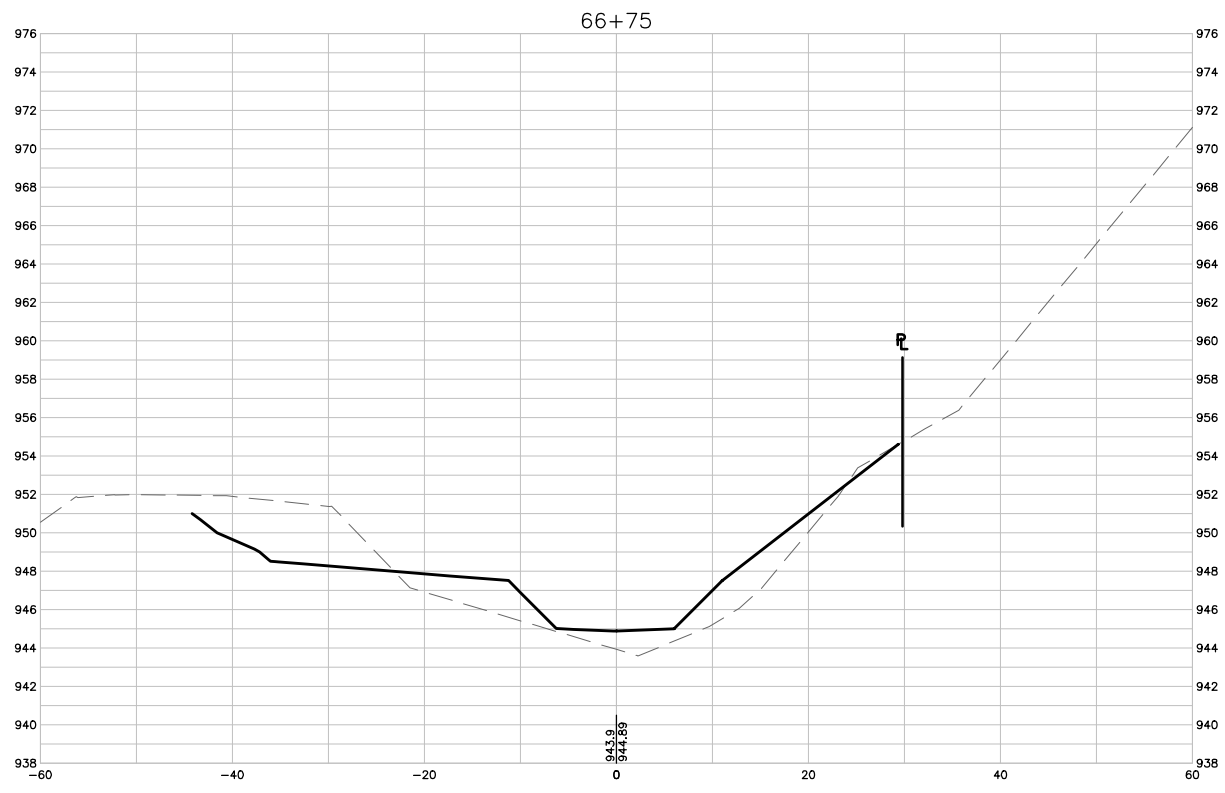


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C322

Xref: xgl-2-df01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/28/2024 4:56:59 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C323 CROSS SECTIONS.dwg

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 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

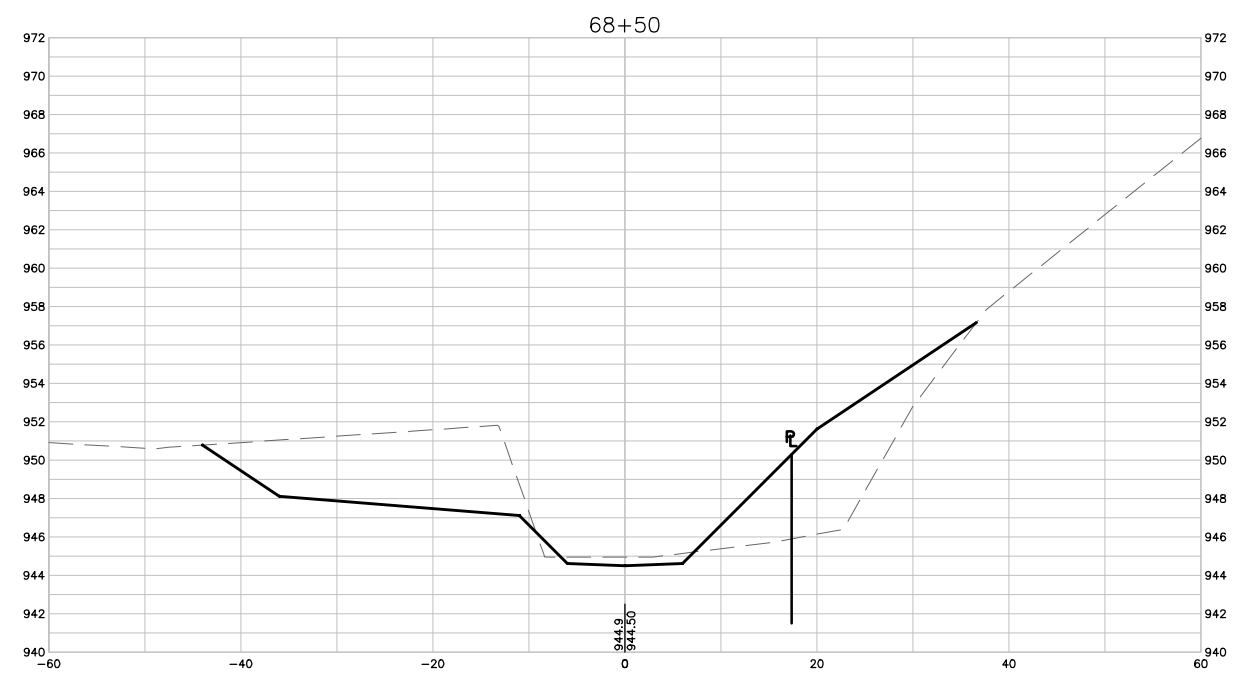
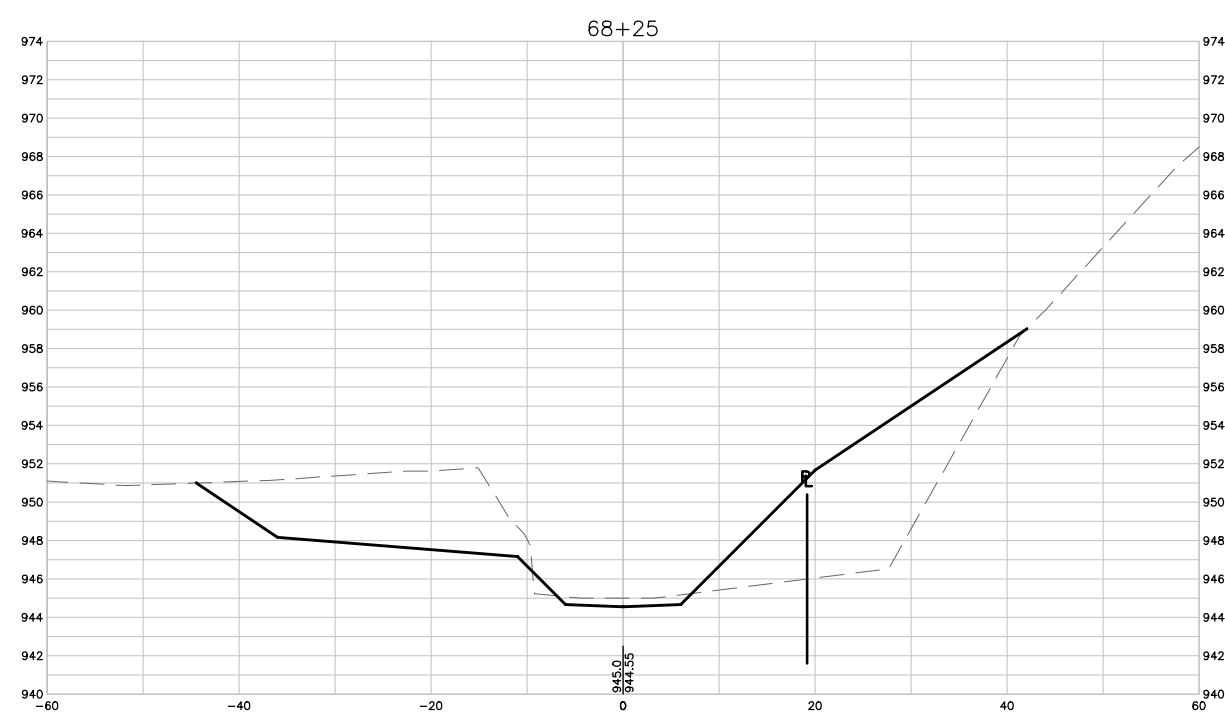
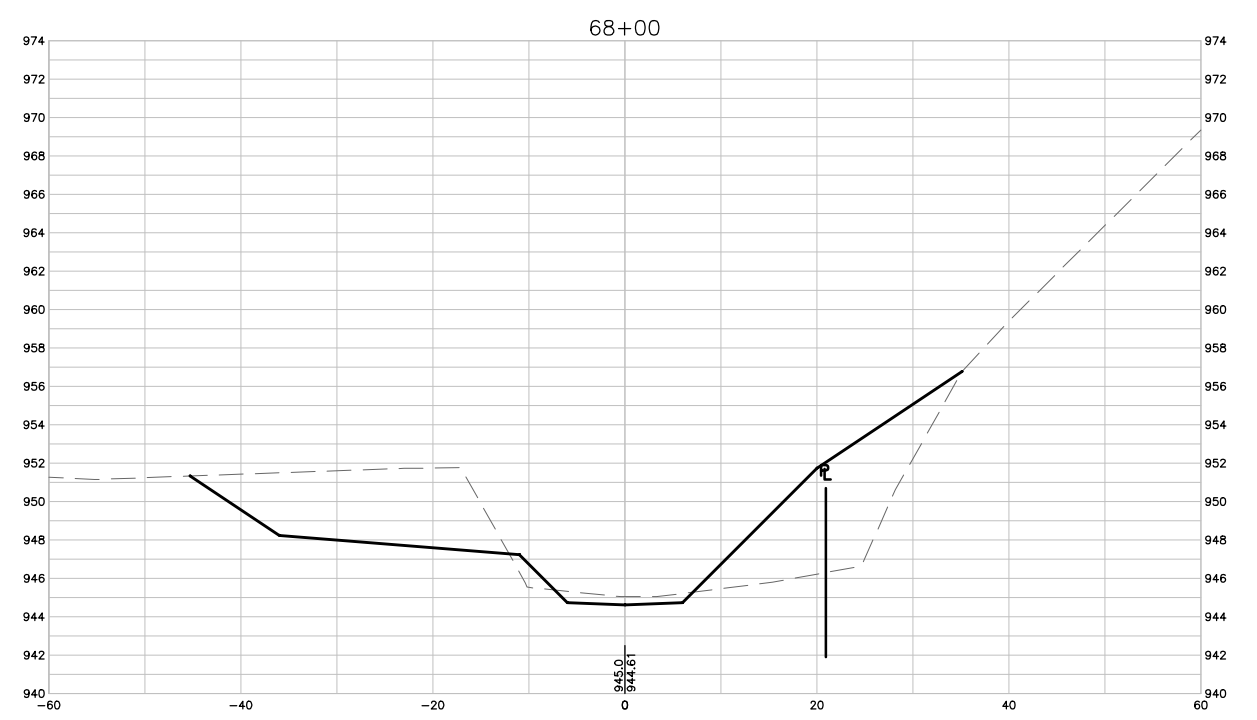
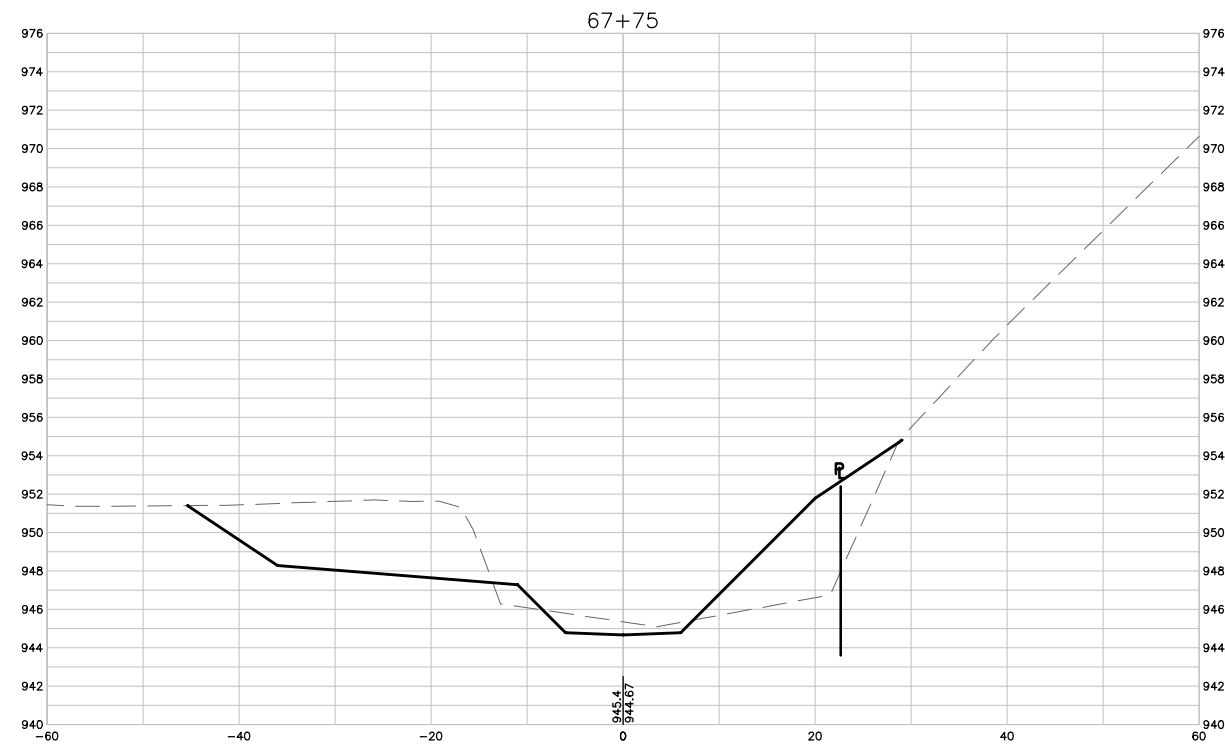


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C323

Xref: xref-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:35:03 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C324 CROSS SECTIONS.dwg

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 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

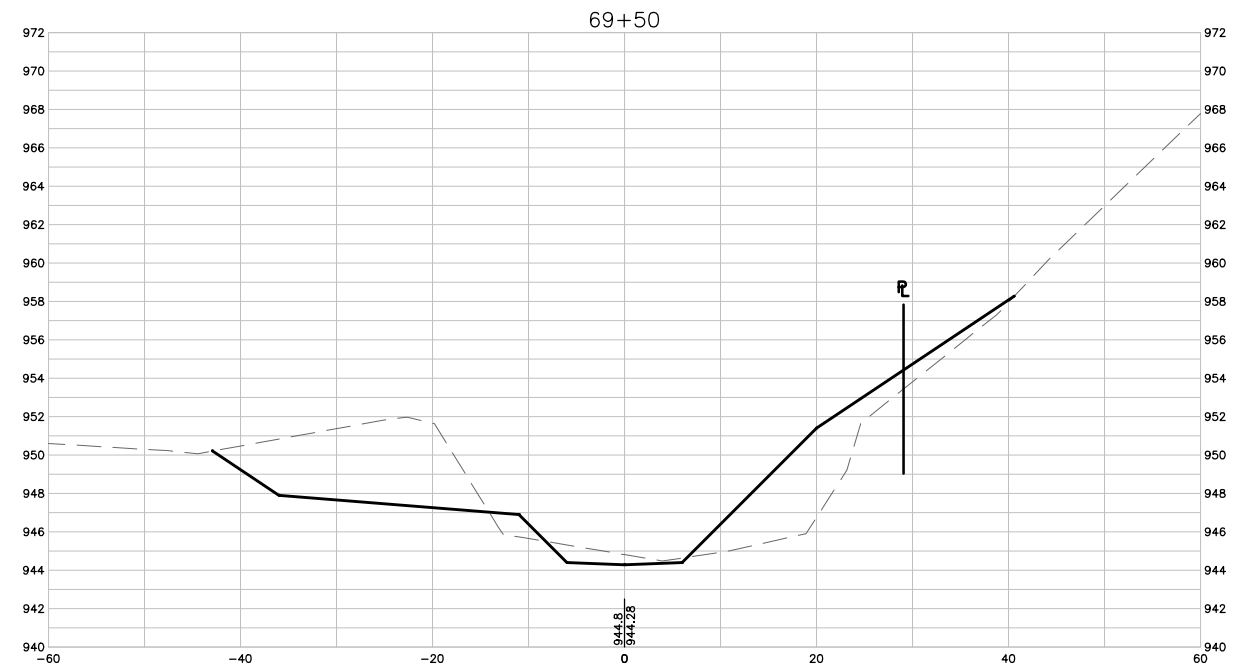
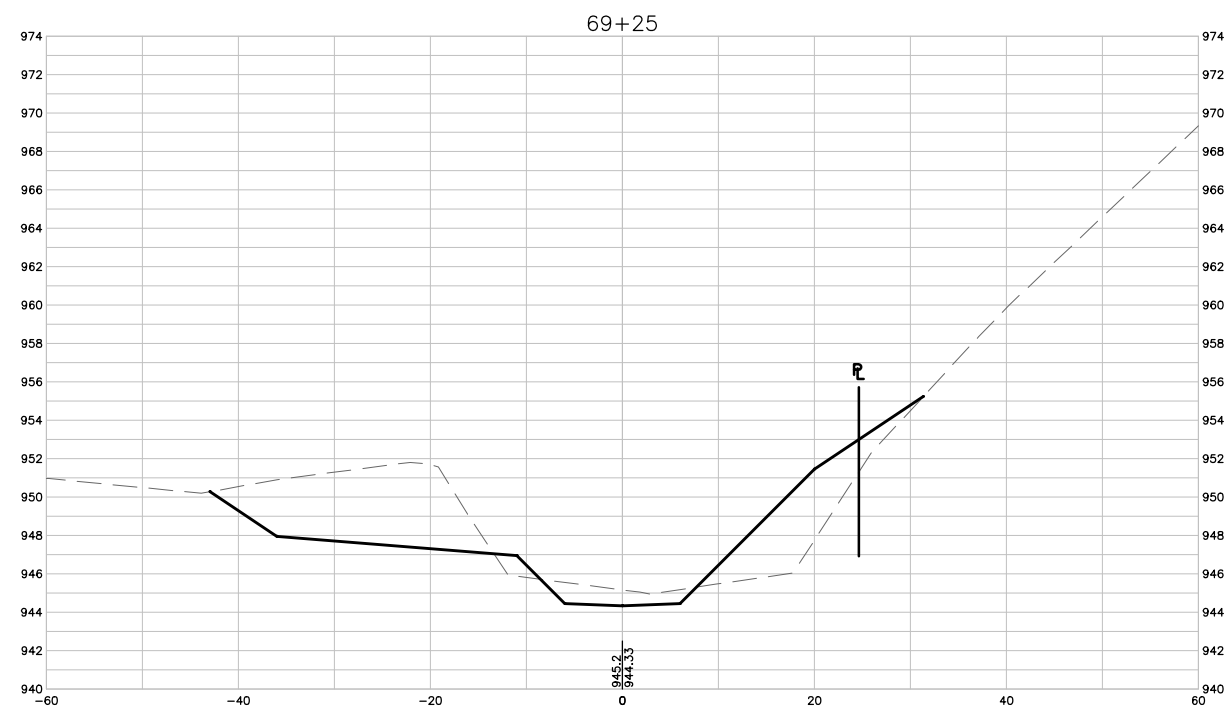
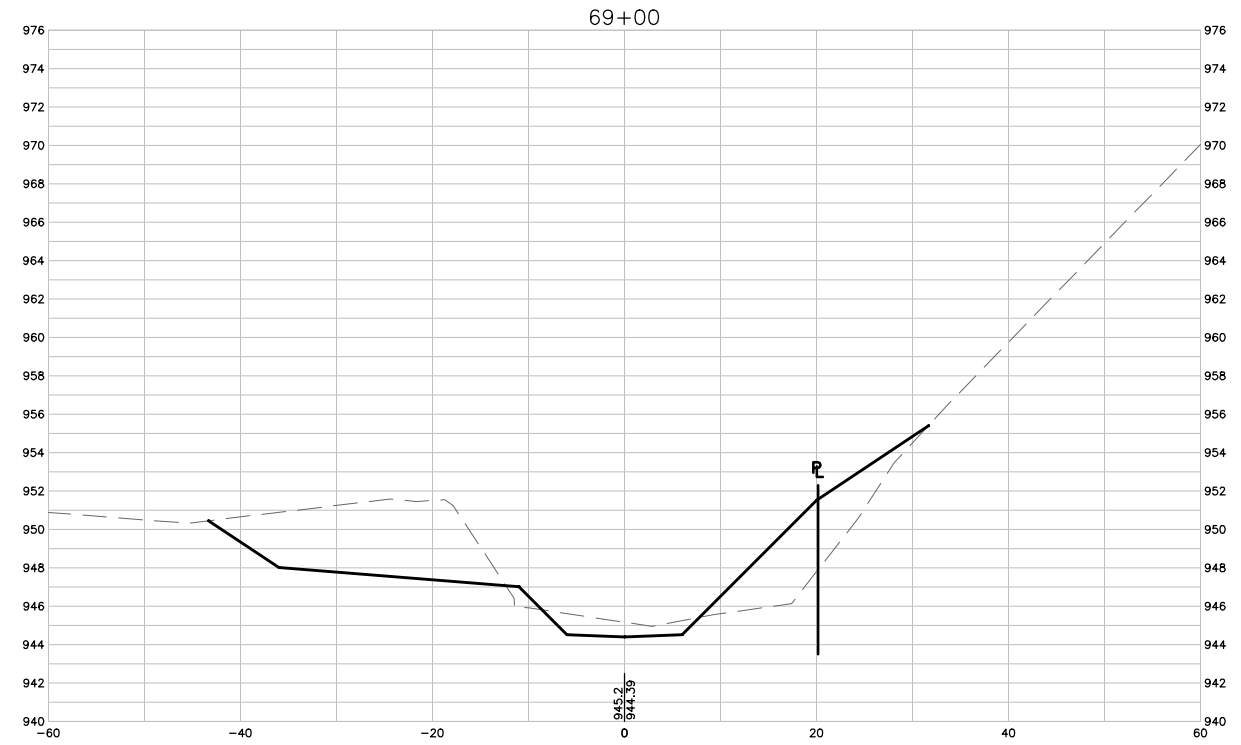
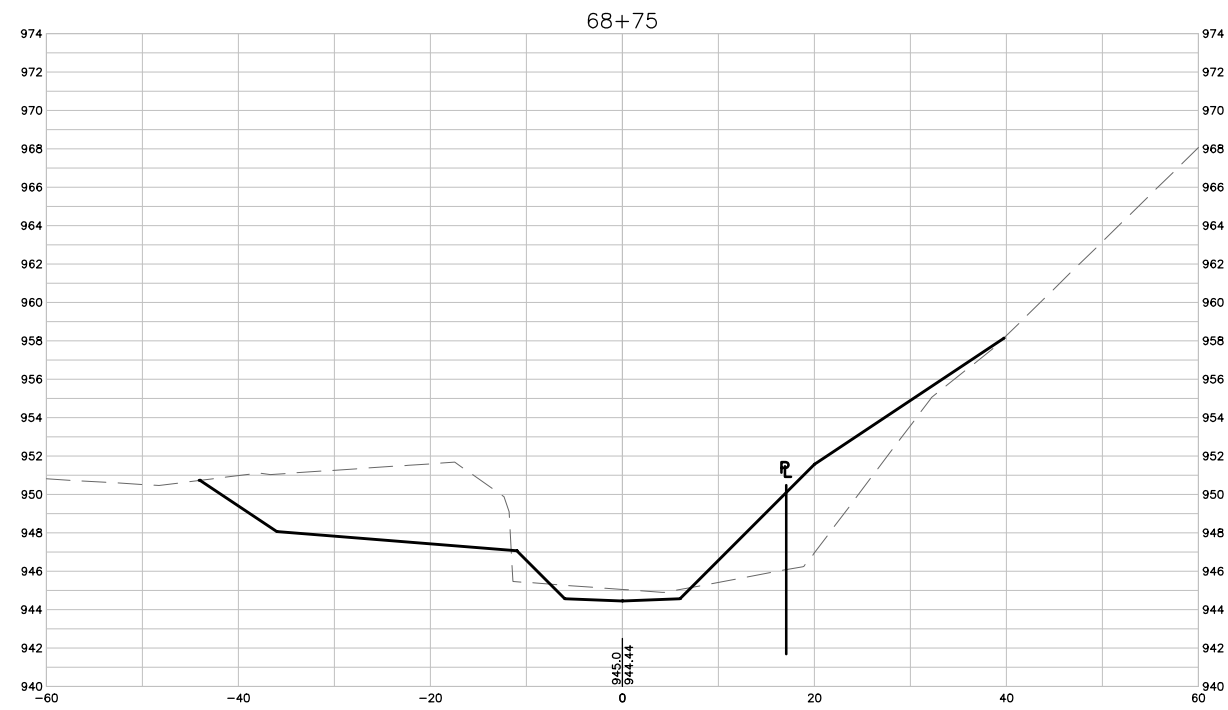


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C324

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:27 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C325 CROSS SECTIONS.dwg

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 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

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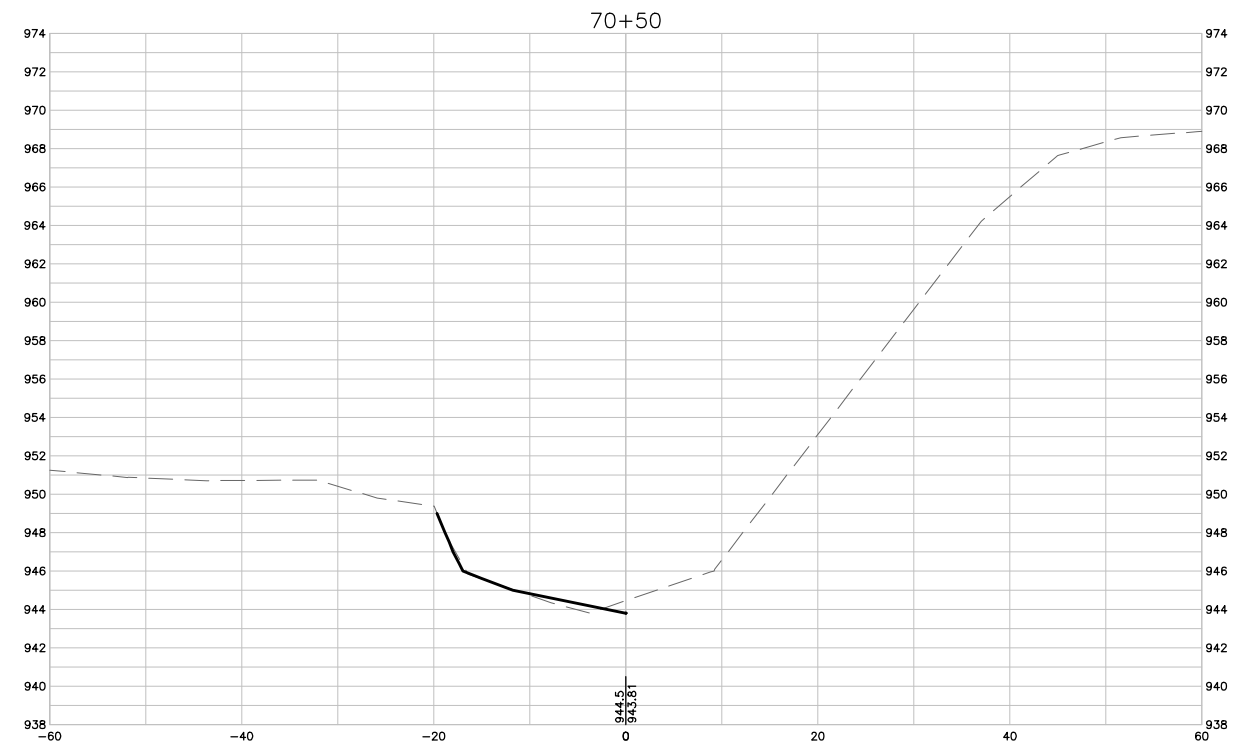
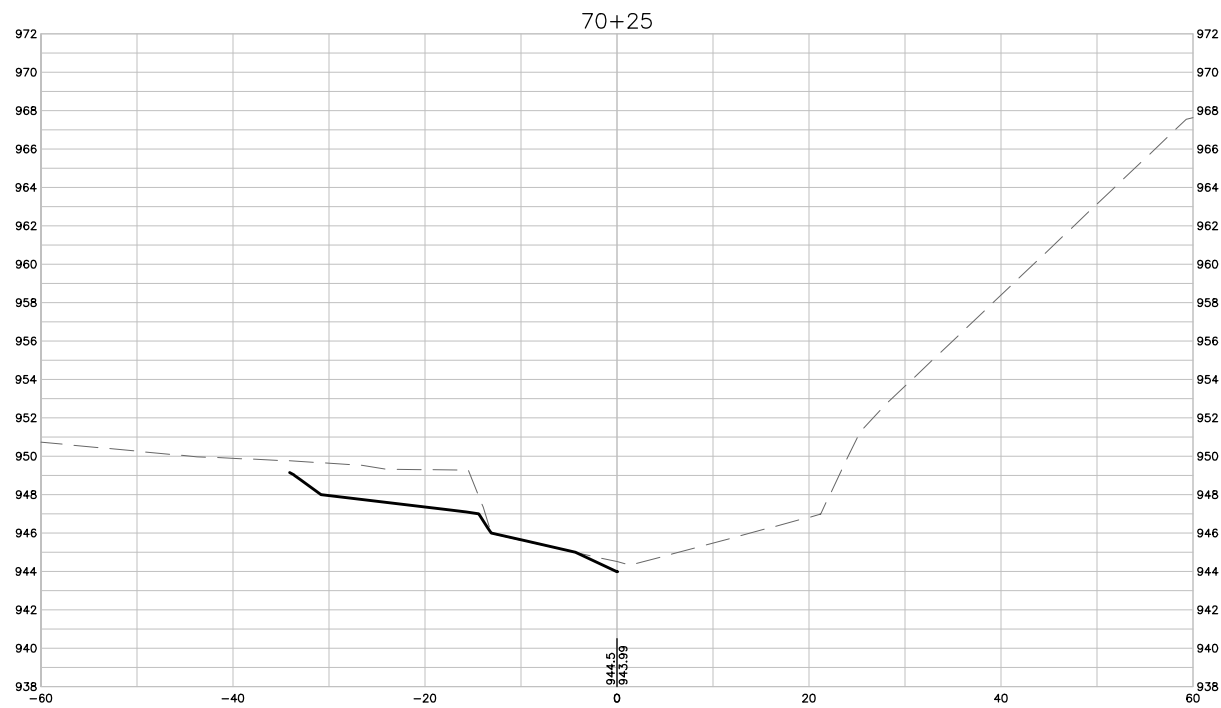
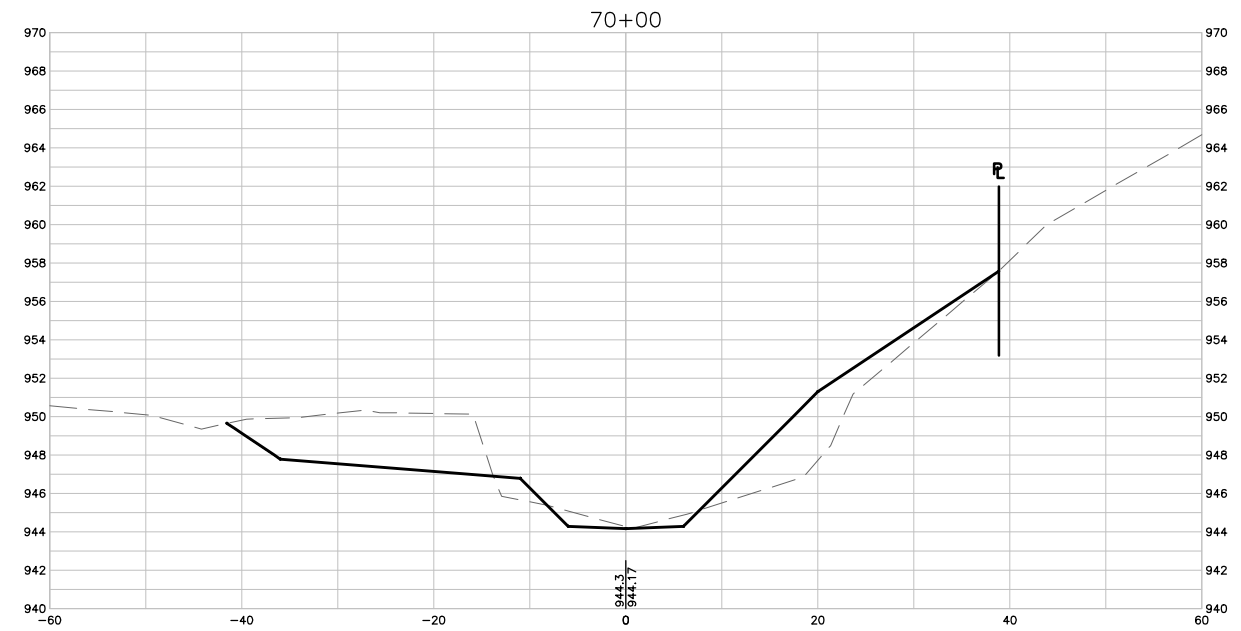
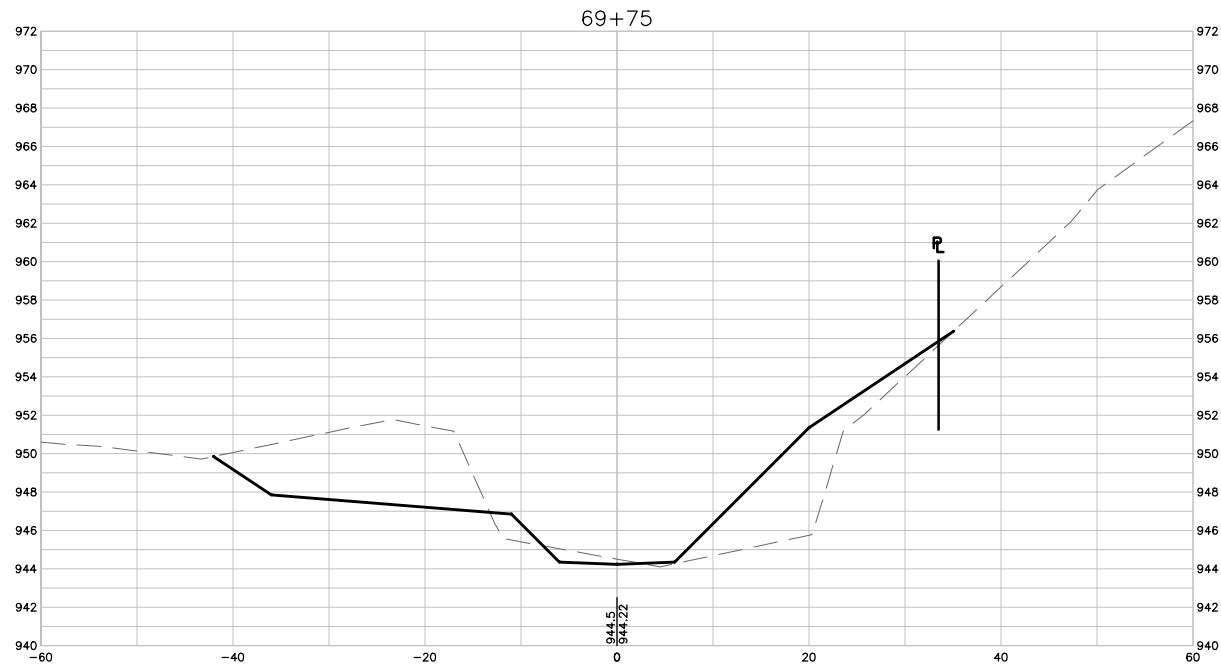


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C325

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:19 PM
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 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

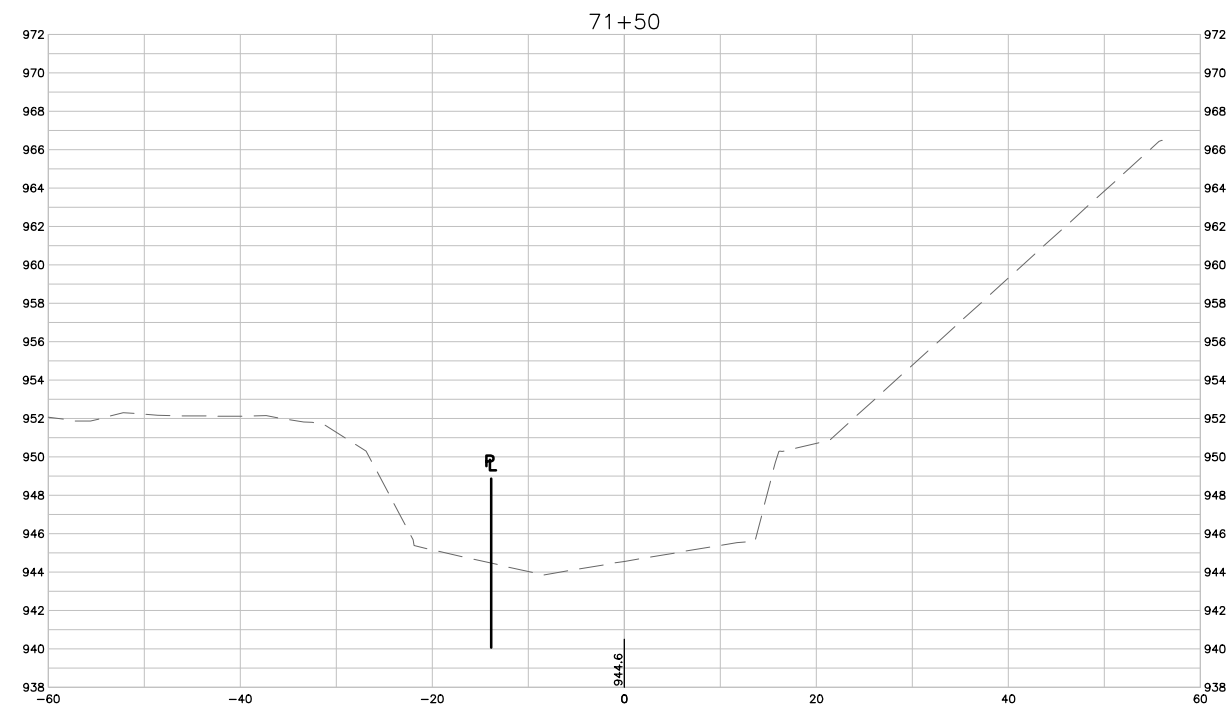
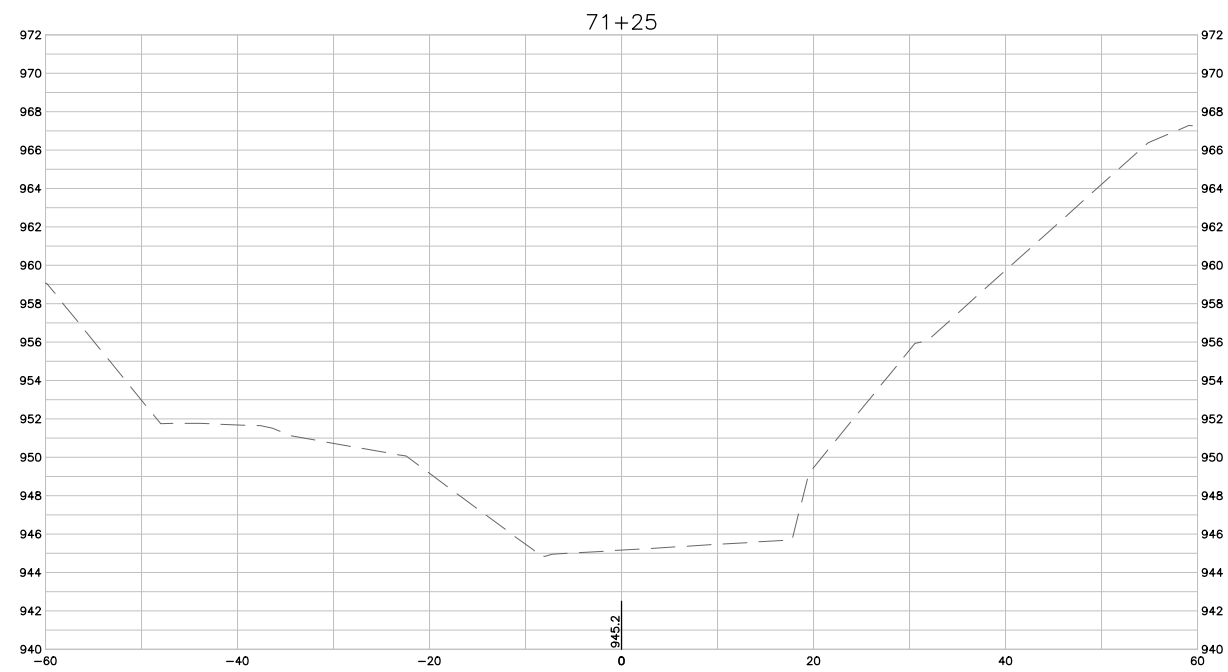
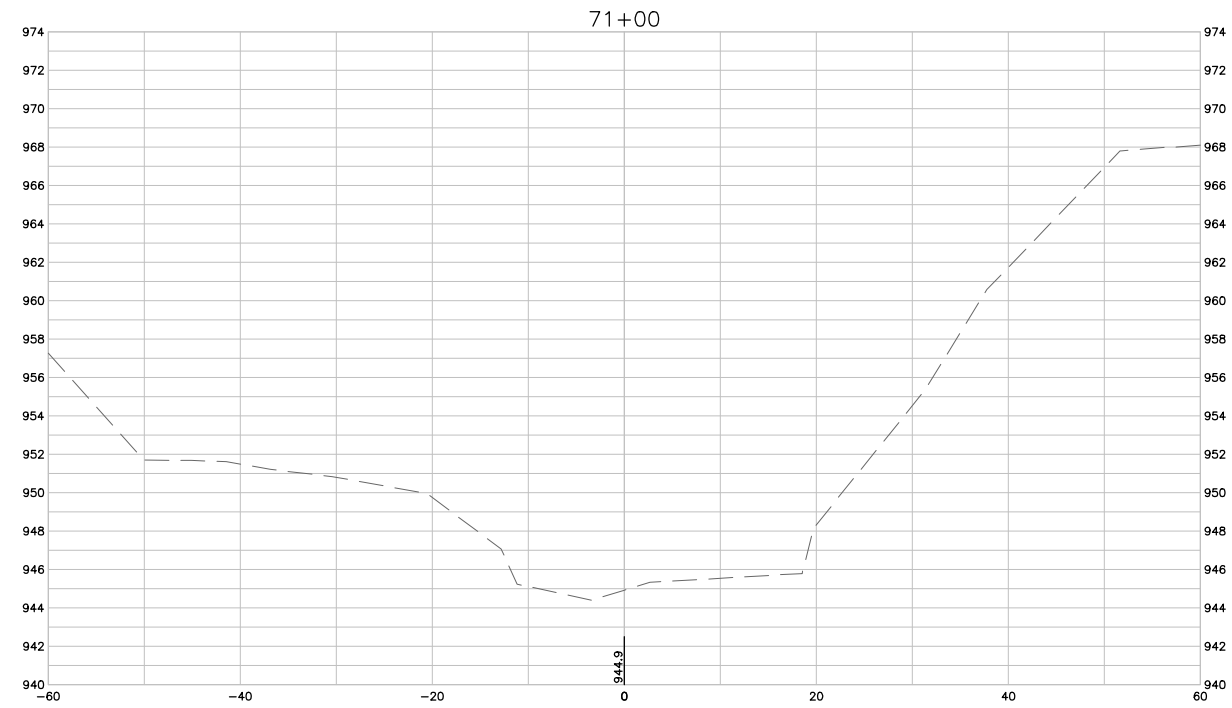
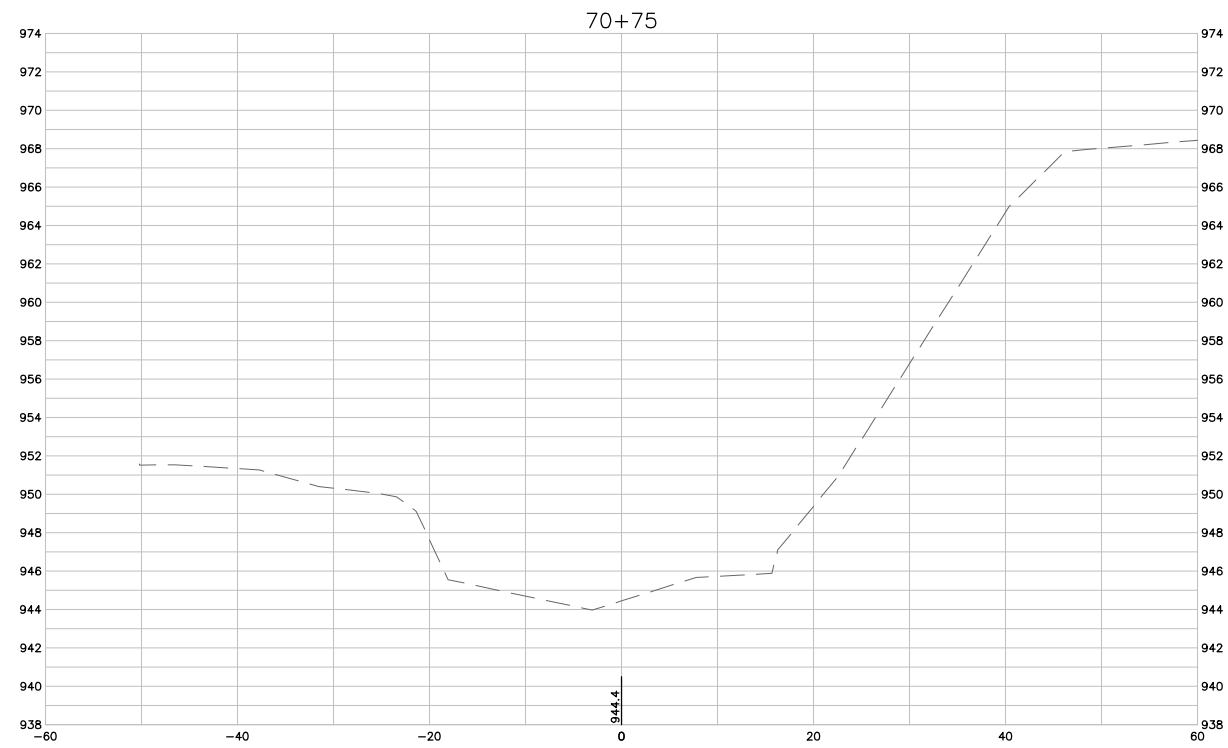


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C326

Xref: xref-2-dh01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:17 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C327 CROSS SECTIONS.dwg

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 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

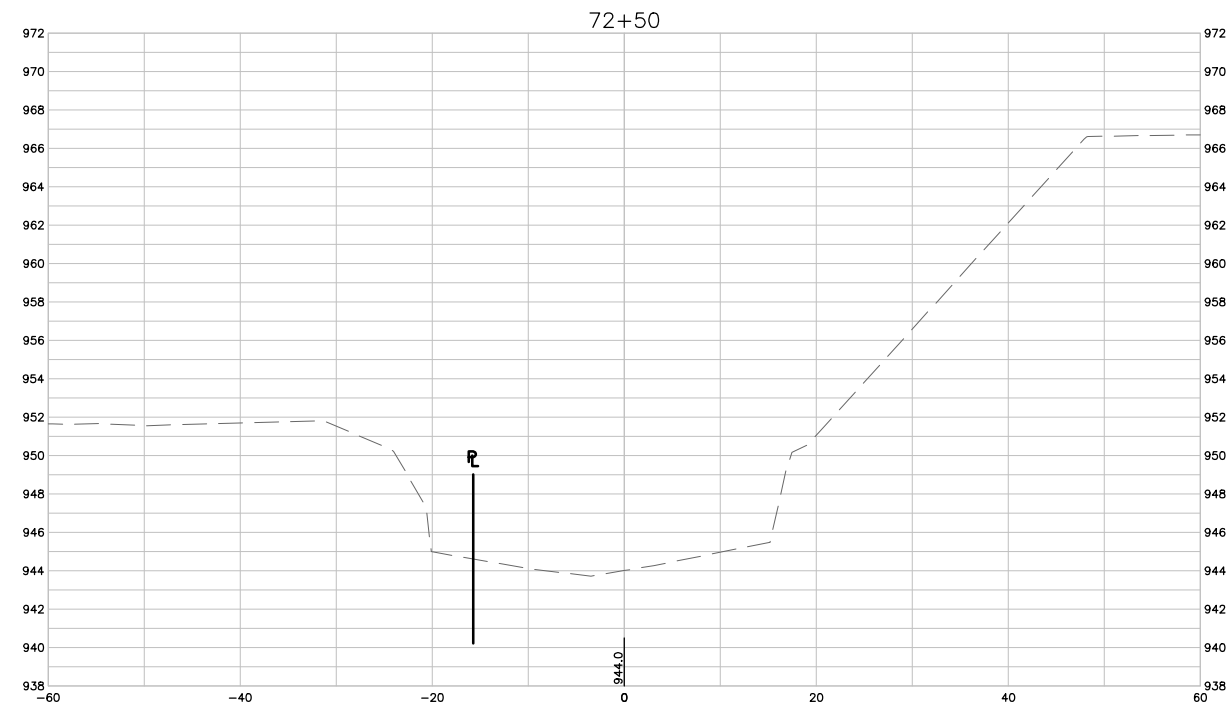
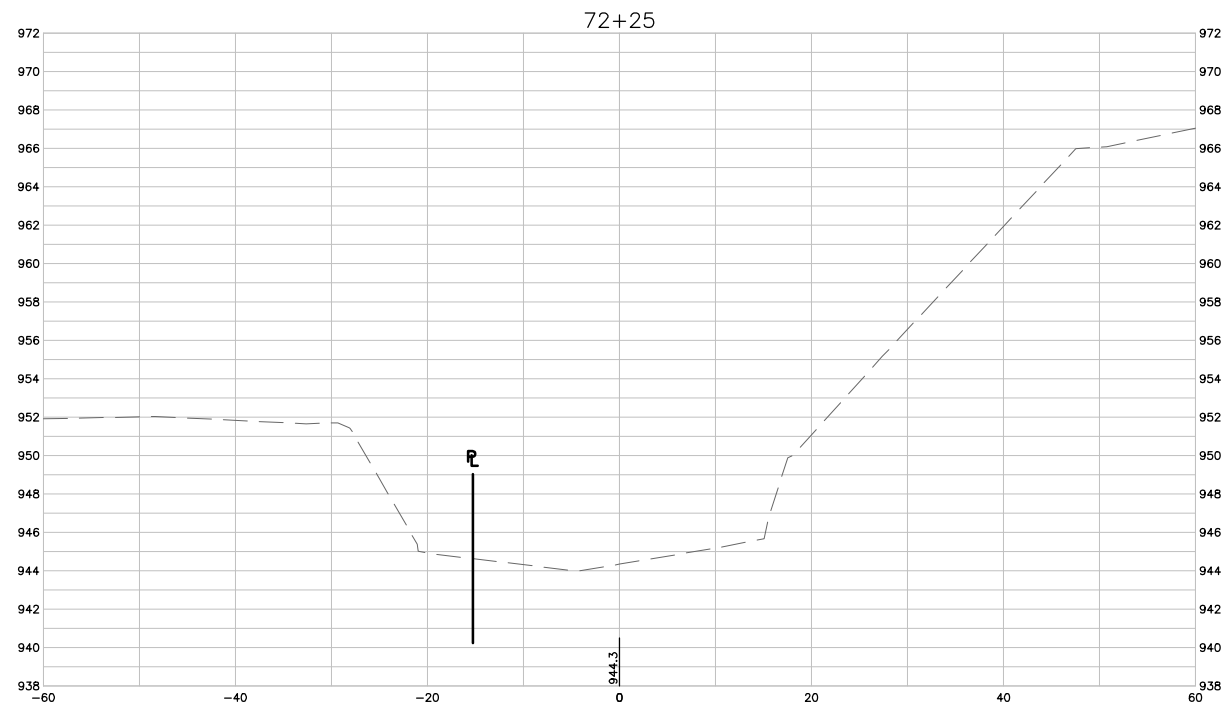
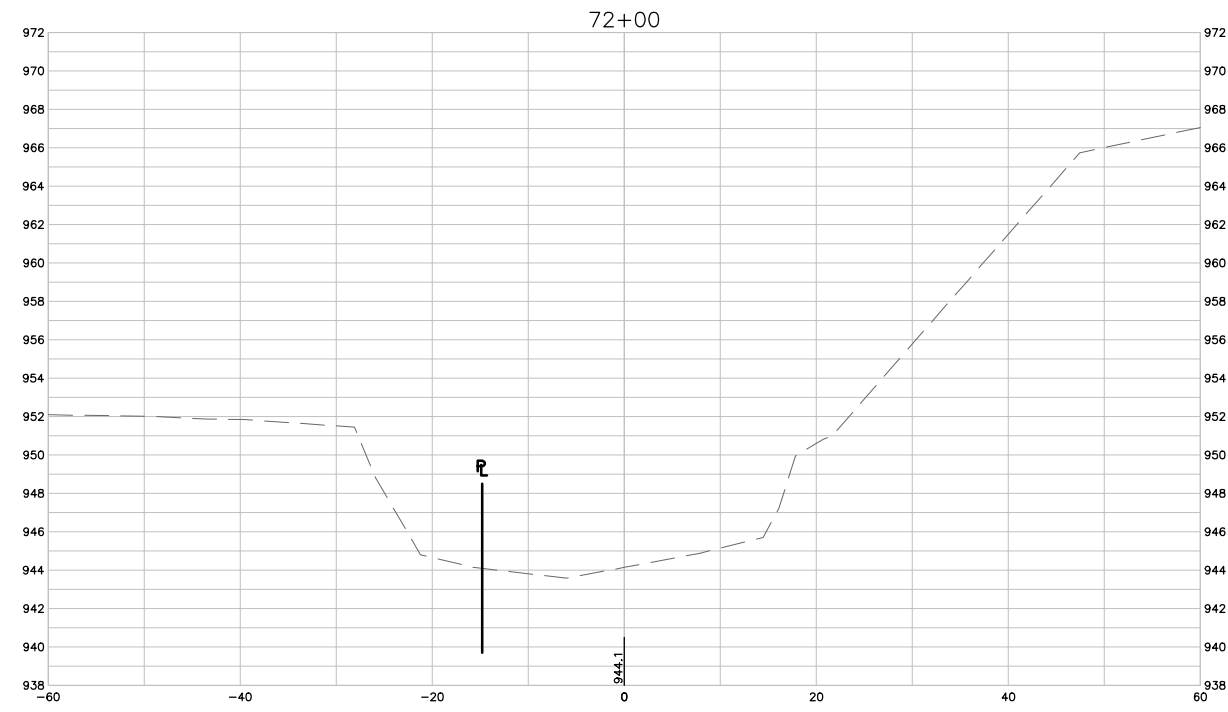
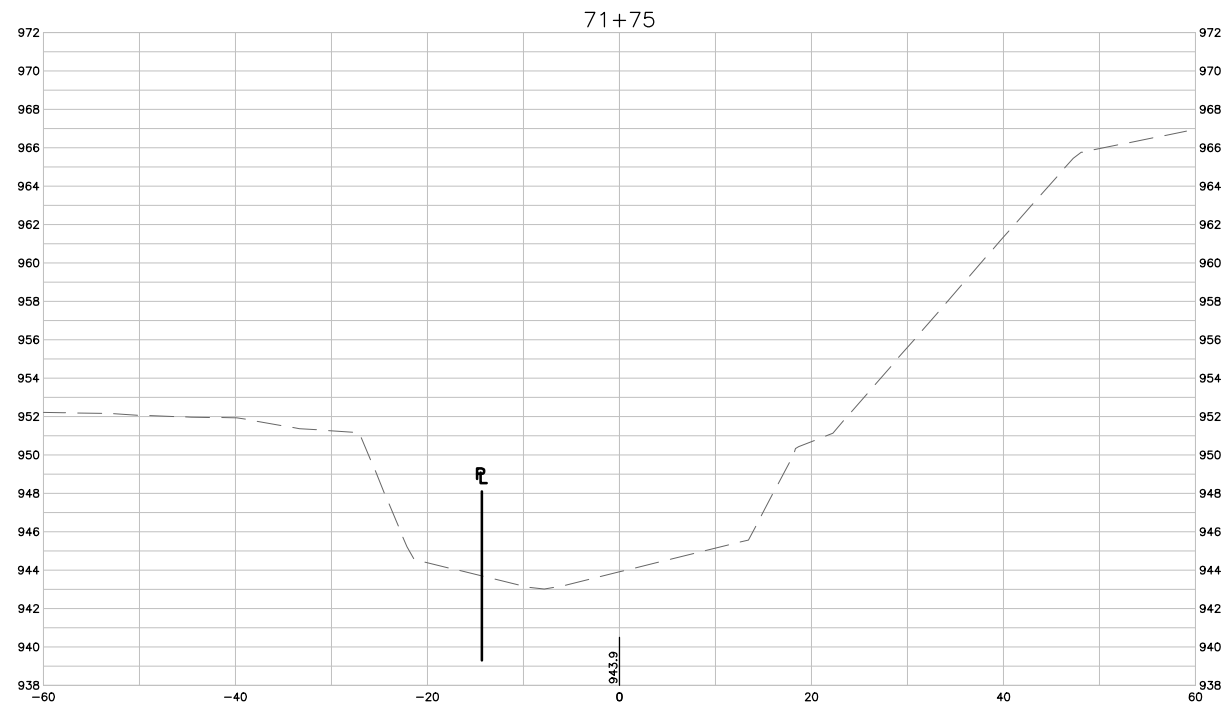


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C327

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:14 PM
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NO.	DATE	BY	REVISION DESCRIPTION

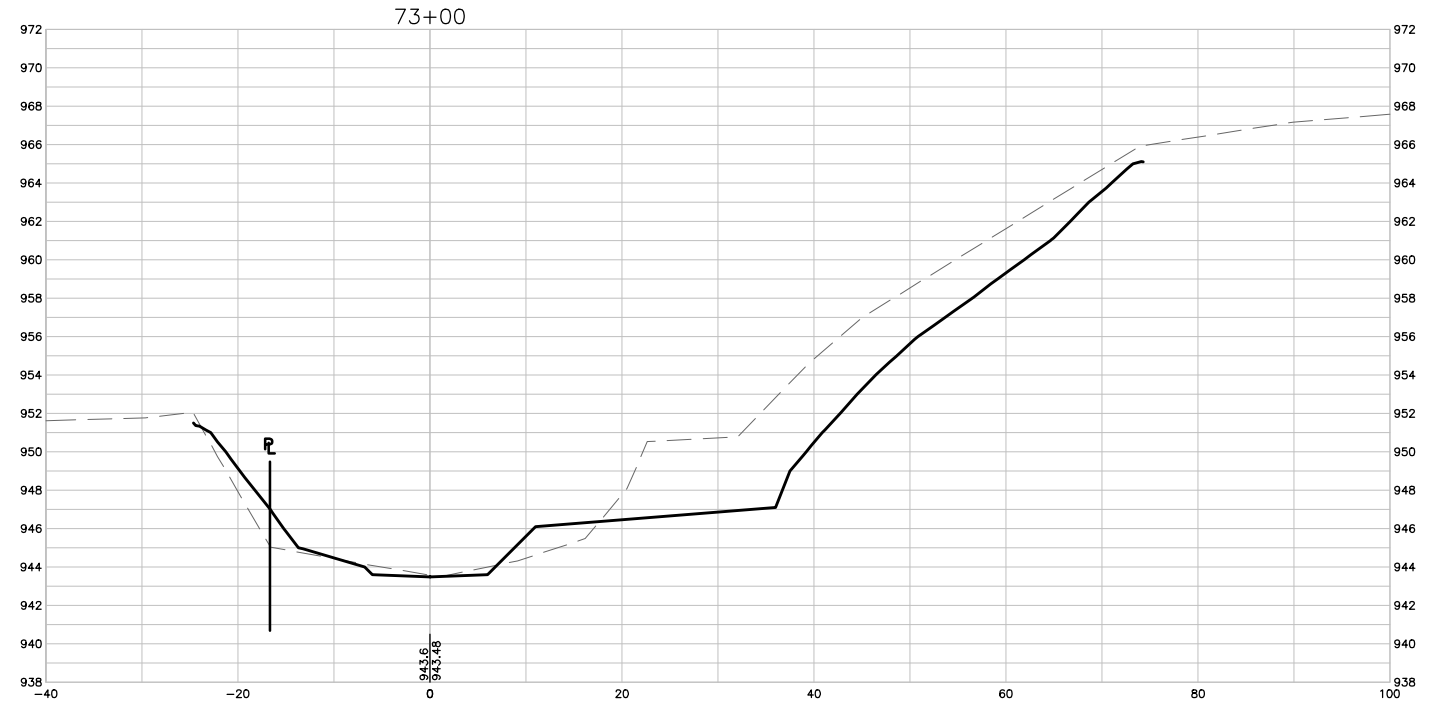
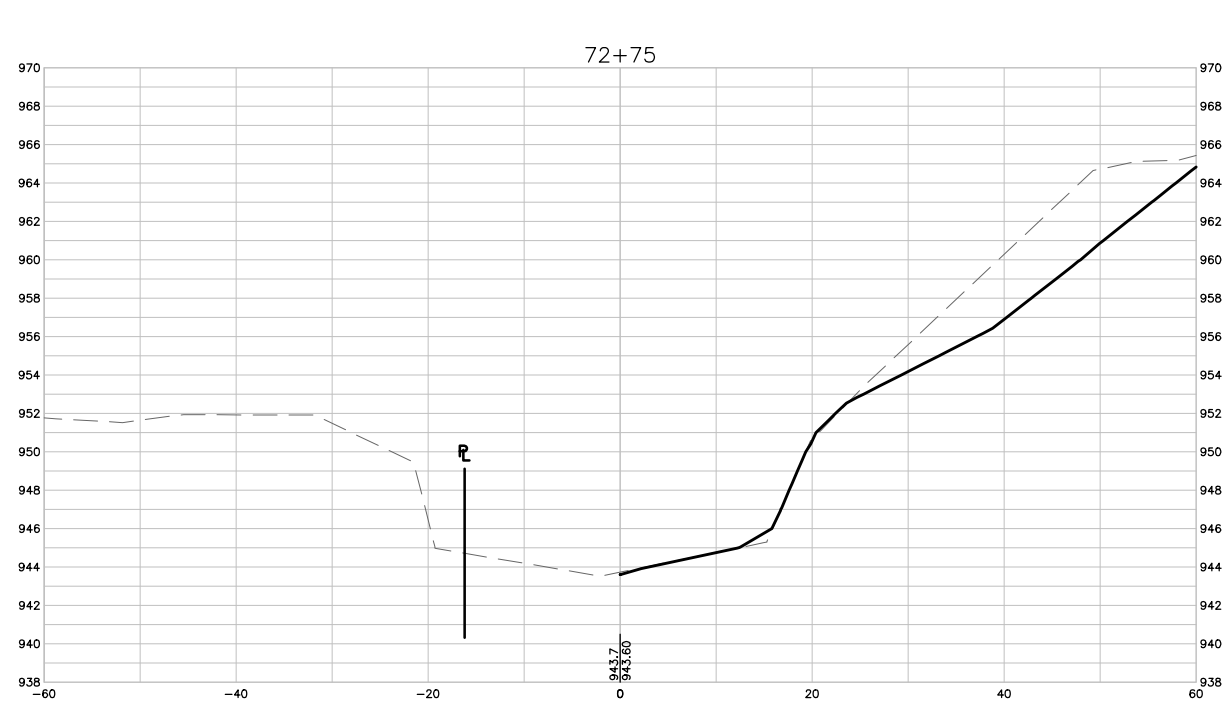


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C328

Xrefs: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:12 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C329 CROSS SECTIONS.dwg

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 0 [Symbol] 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

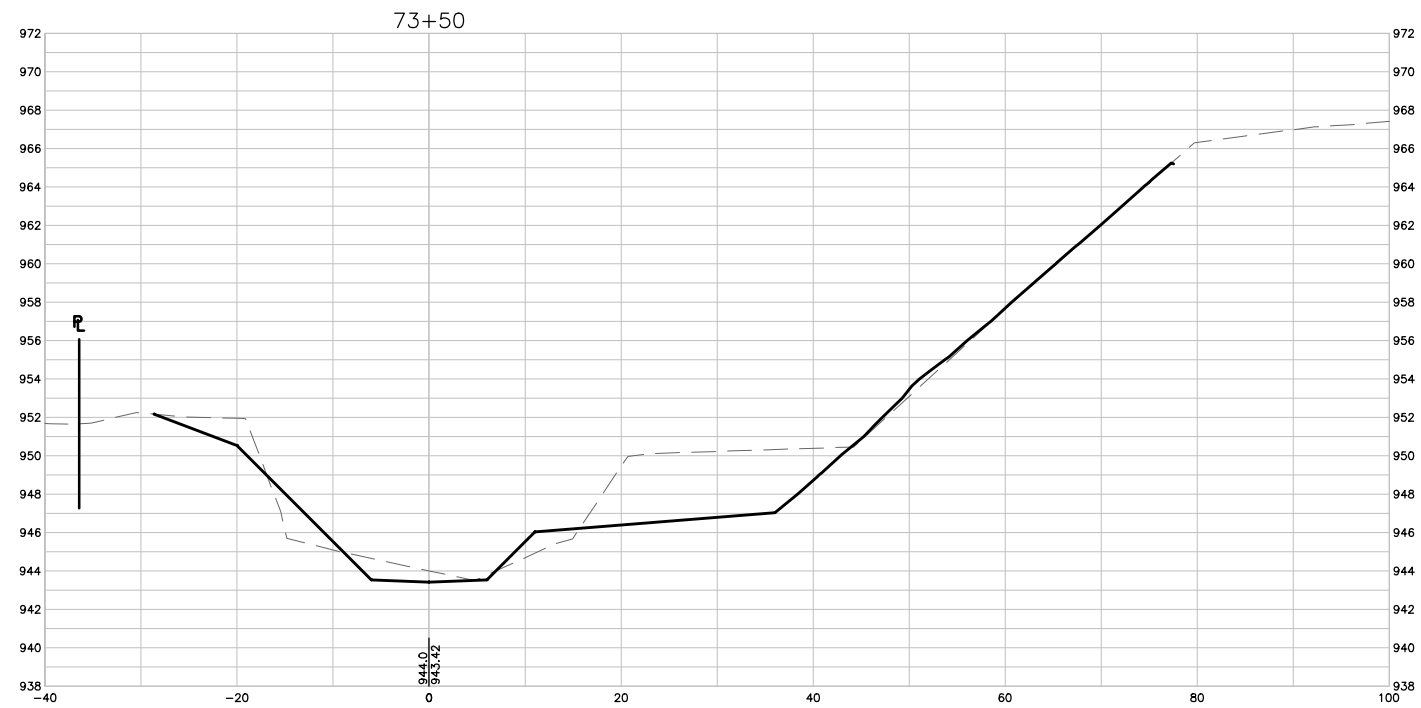
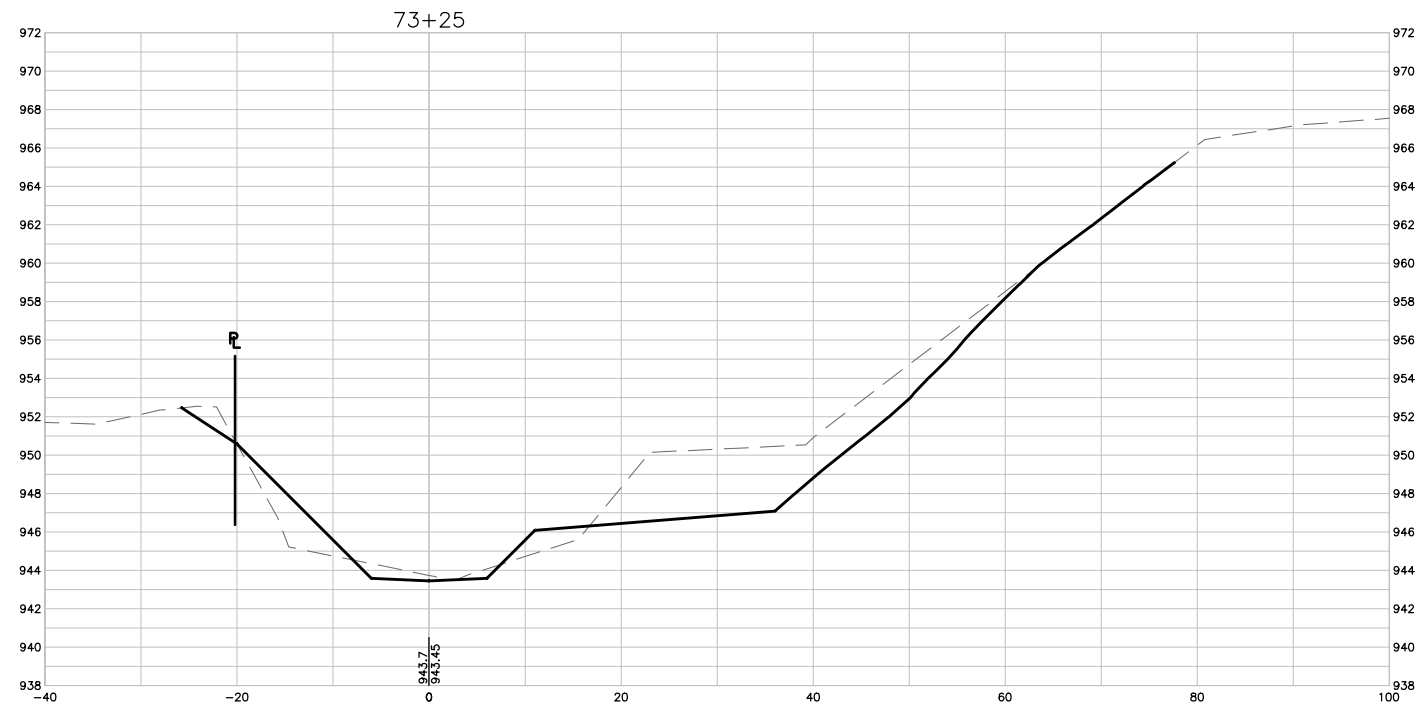


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C329

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:10 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C330 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

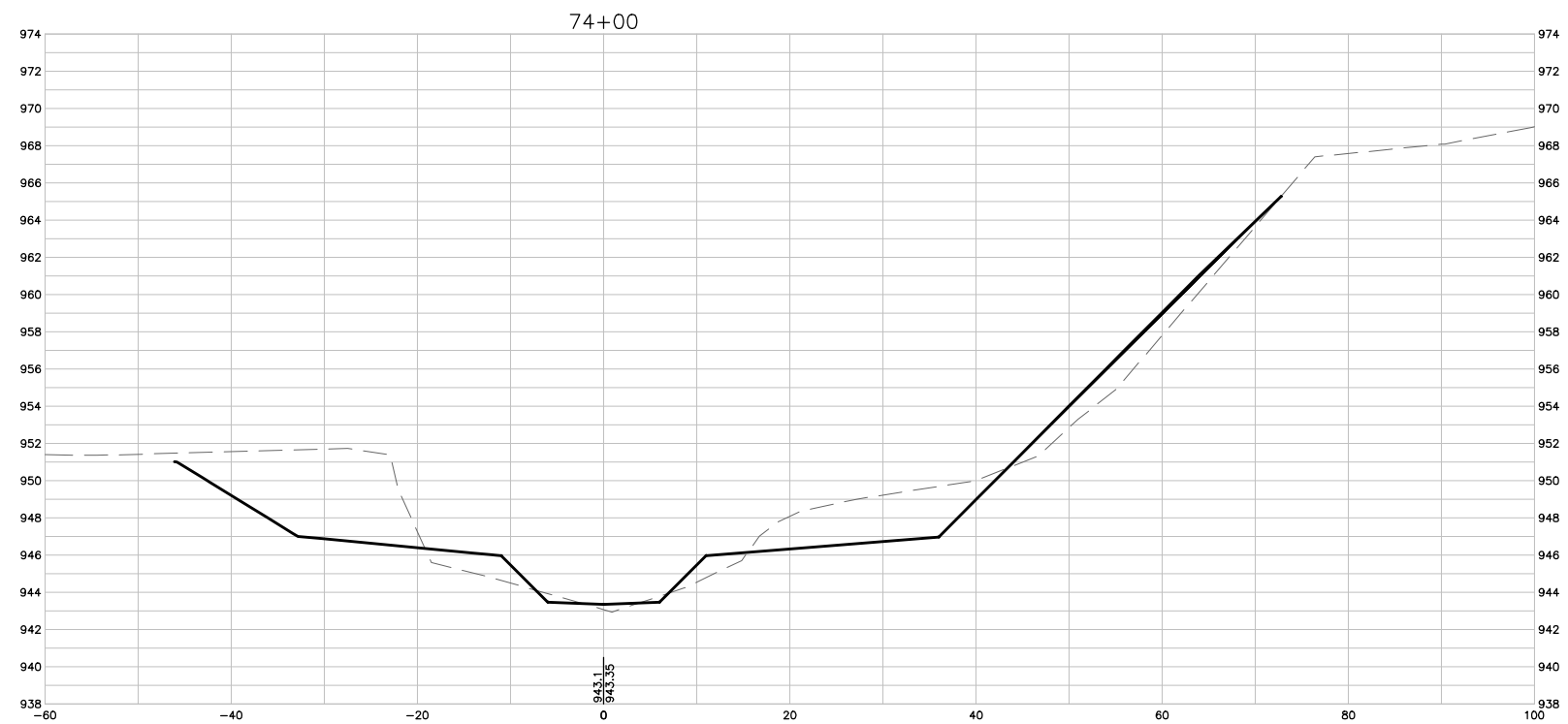
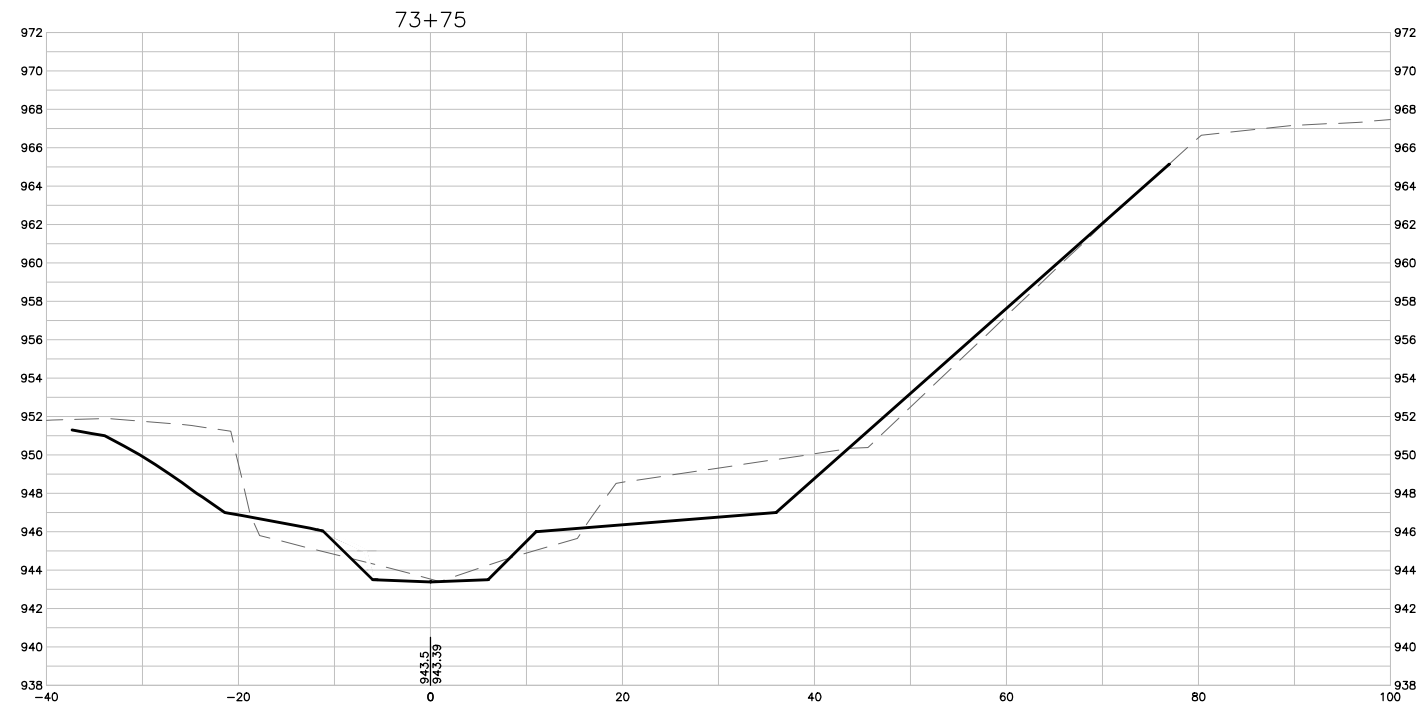


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C330

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 1/14/2025 9:57:28 AM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C331 CROSS SECTIONS.dwg

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 OFFICIAL DRAWINGS.
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 IF NOT ONE INCH,
 ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

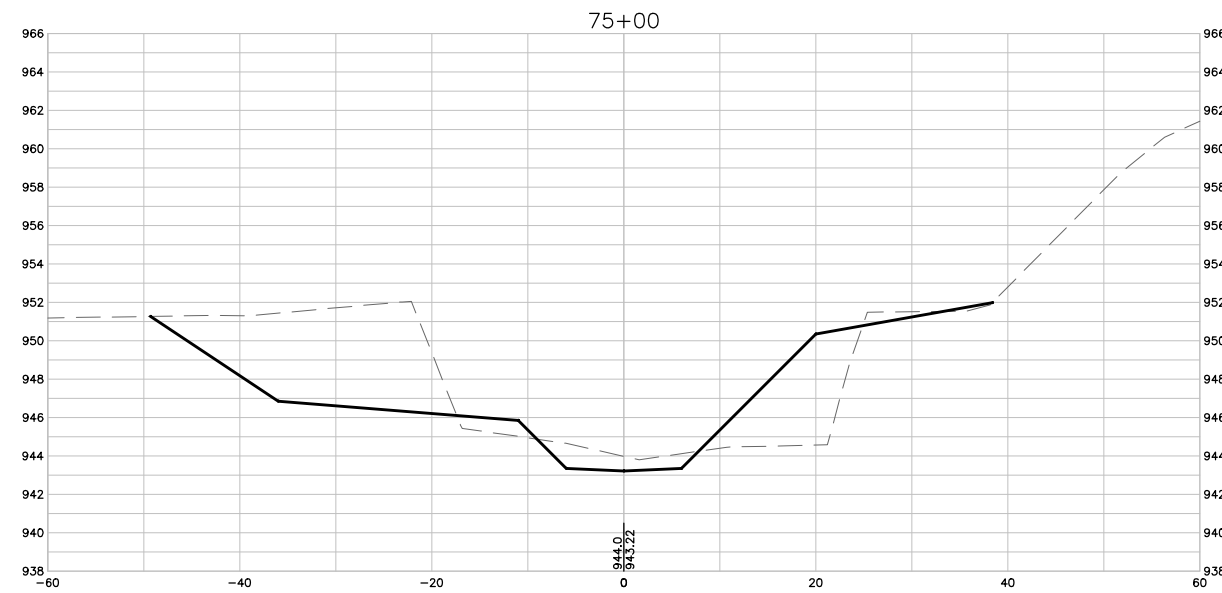
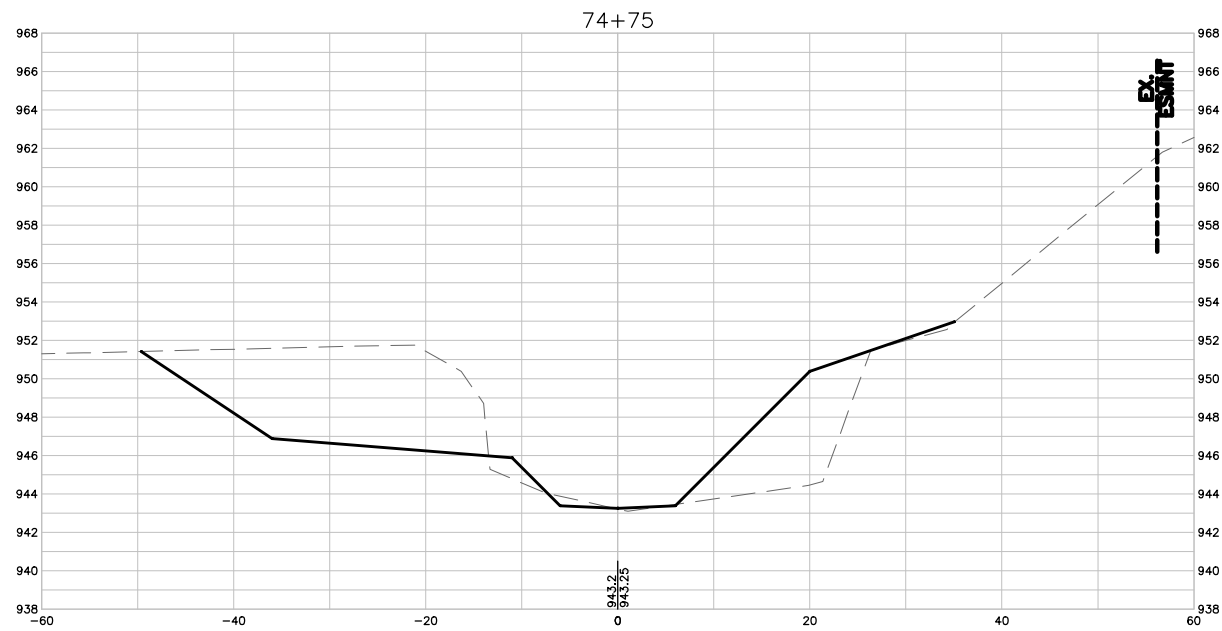
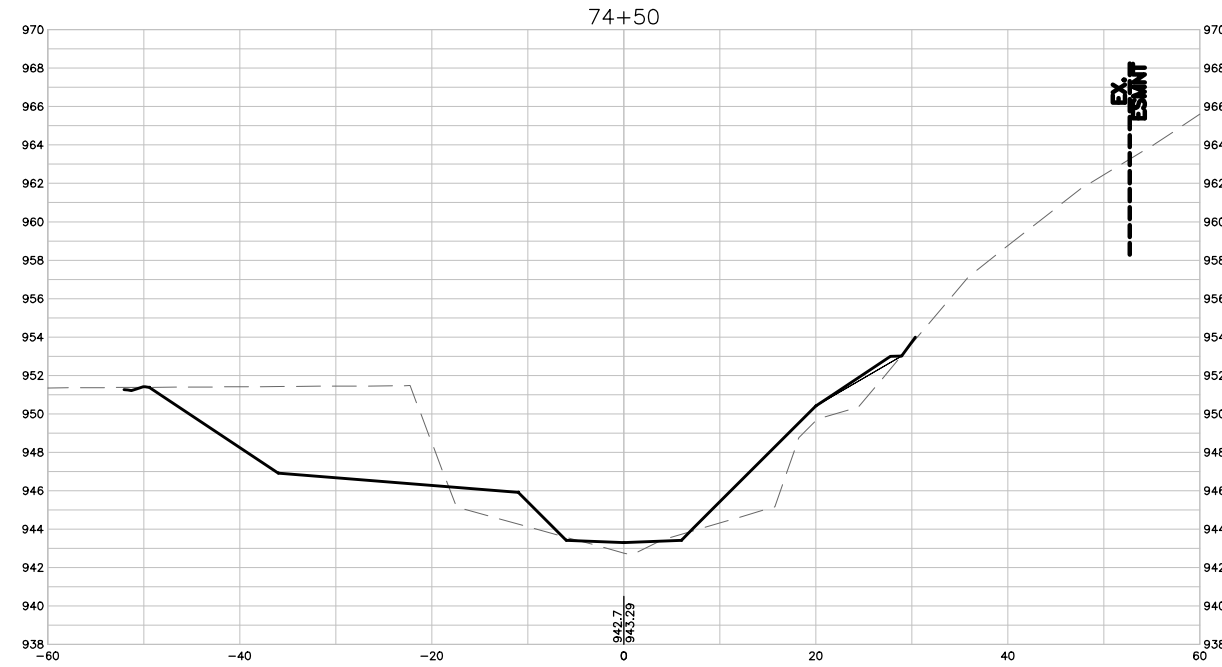
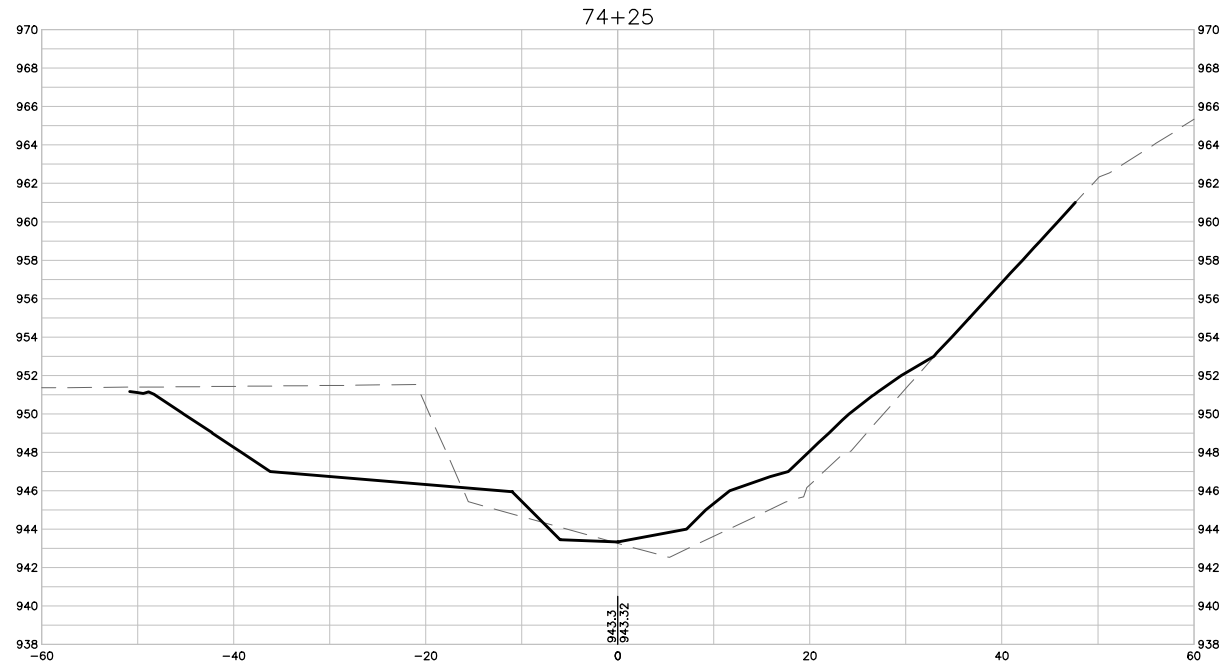


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C331

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:05 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C332 CROSS SECTIONS.dwg

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 0 1"

IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

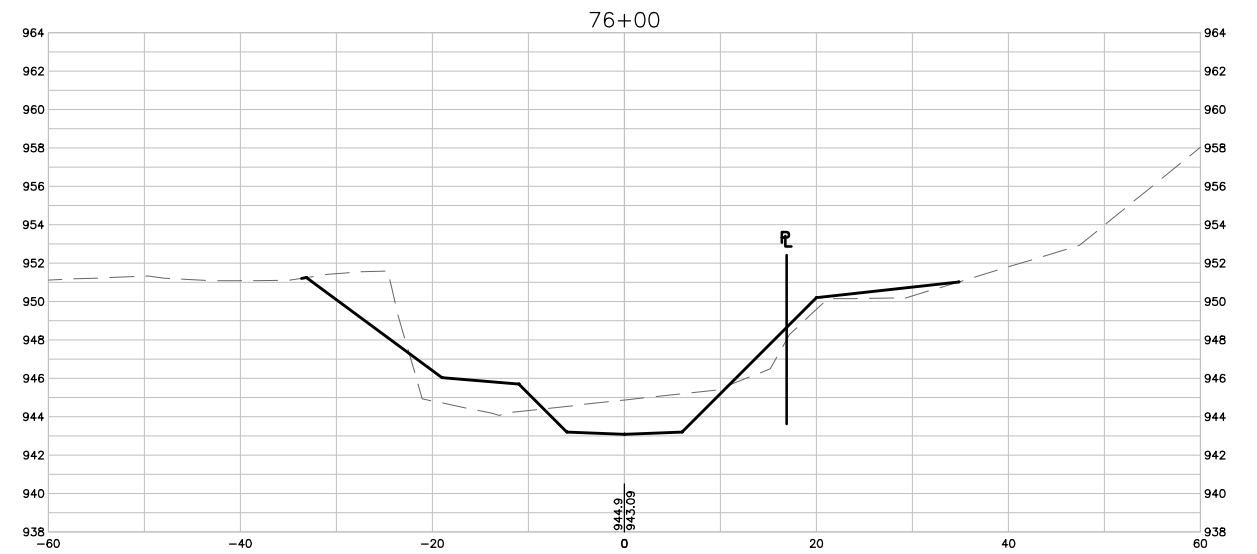
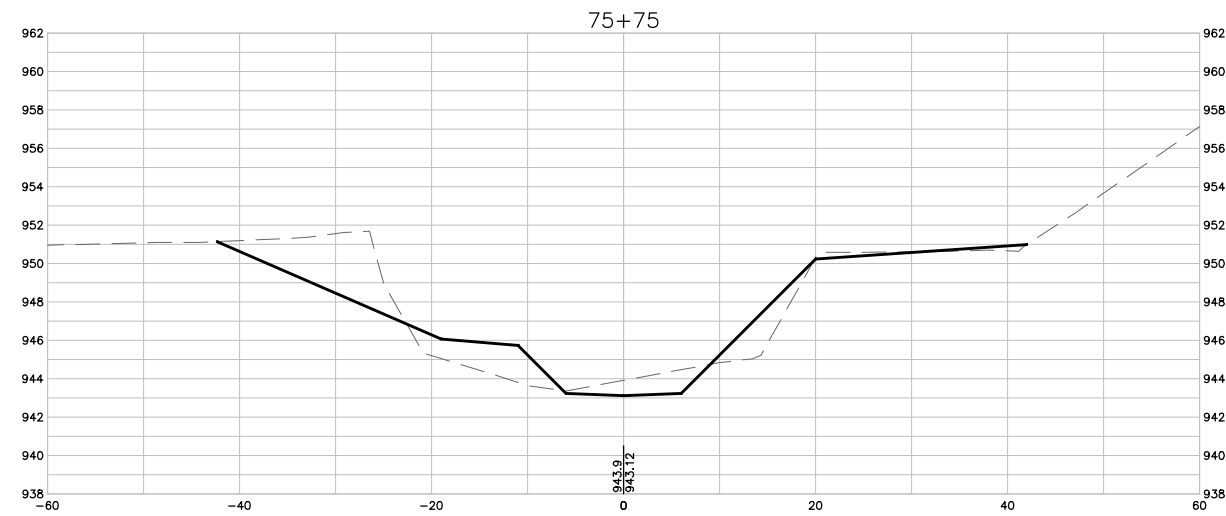
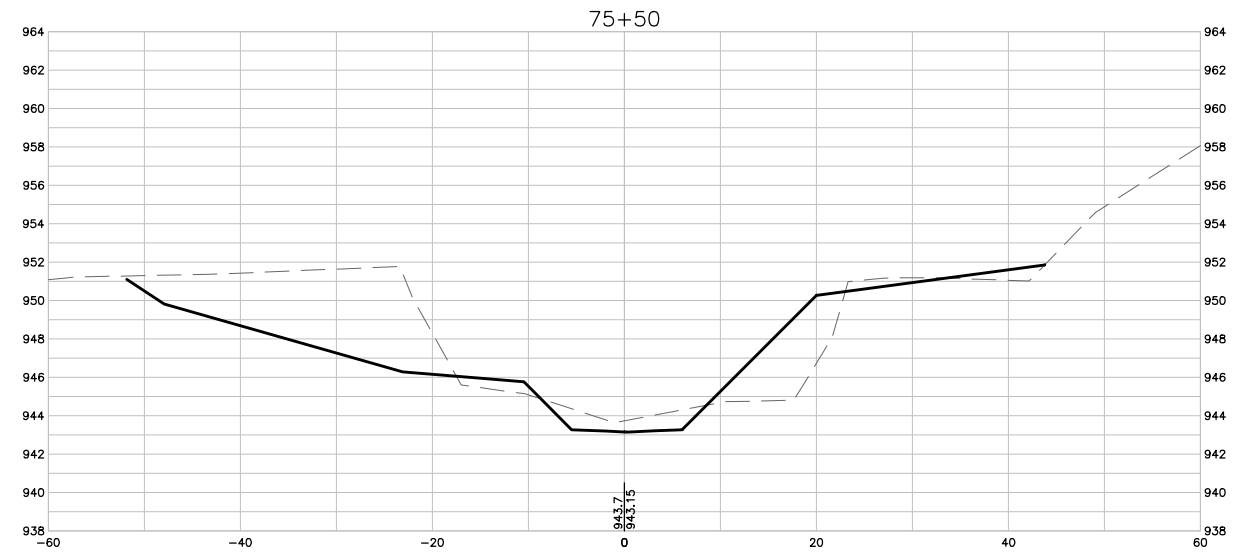
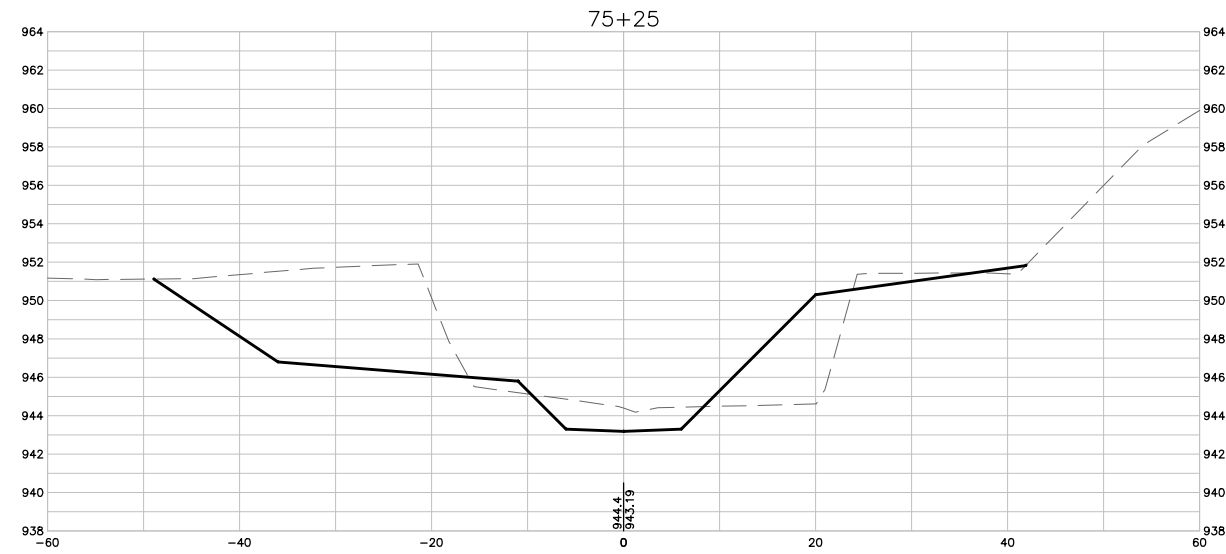


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C332

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:03 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C333 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

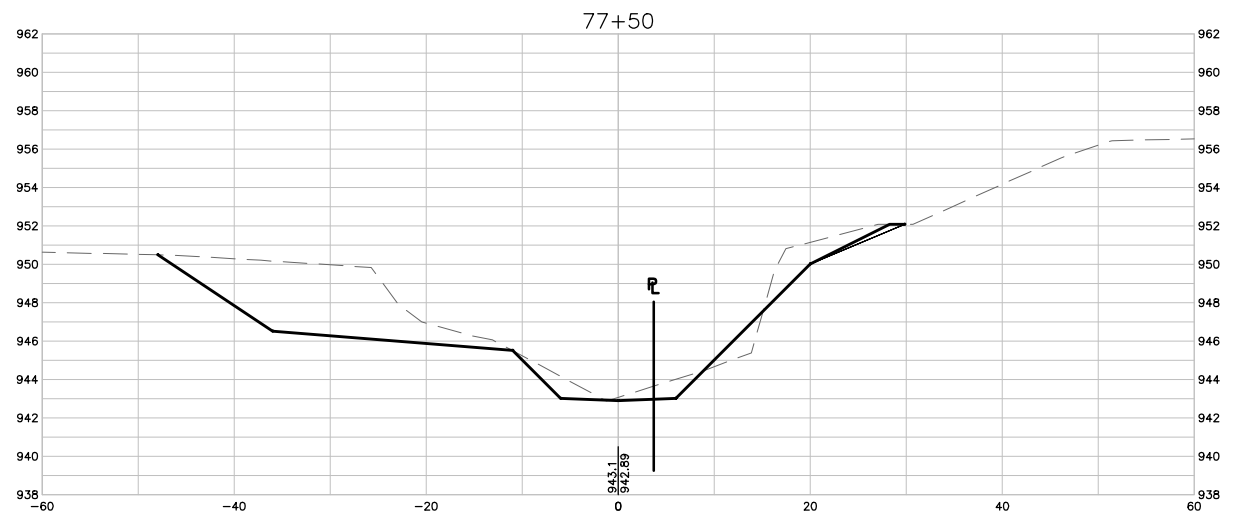
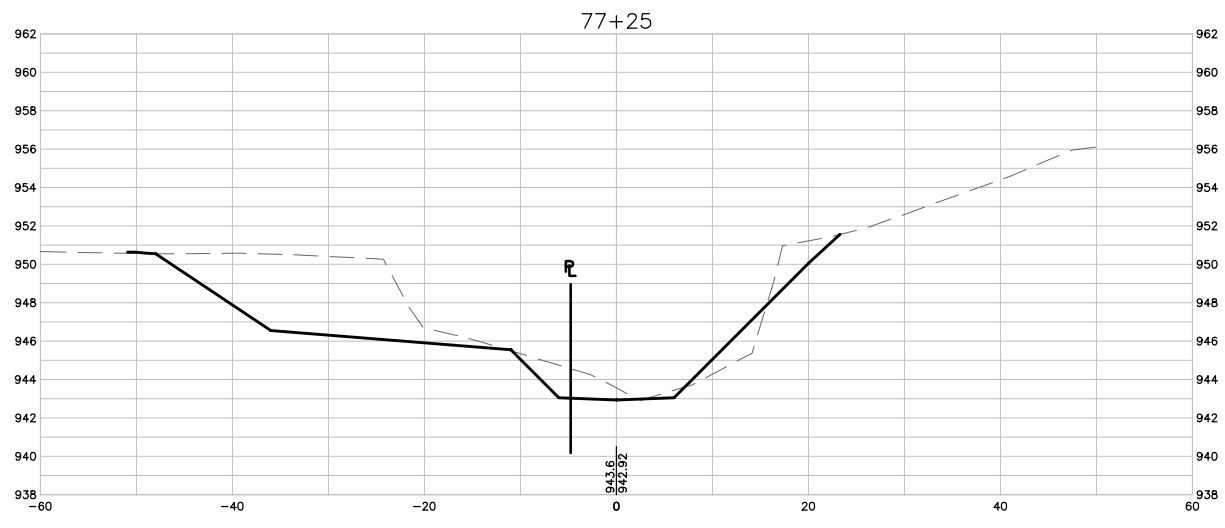
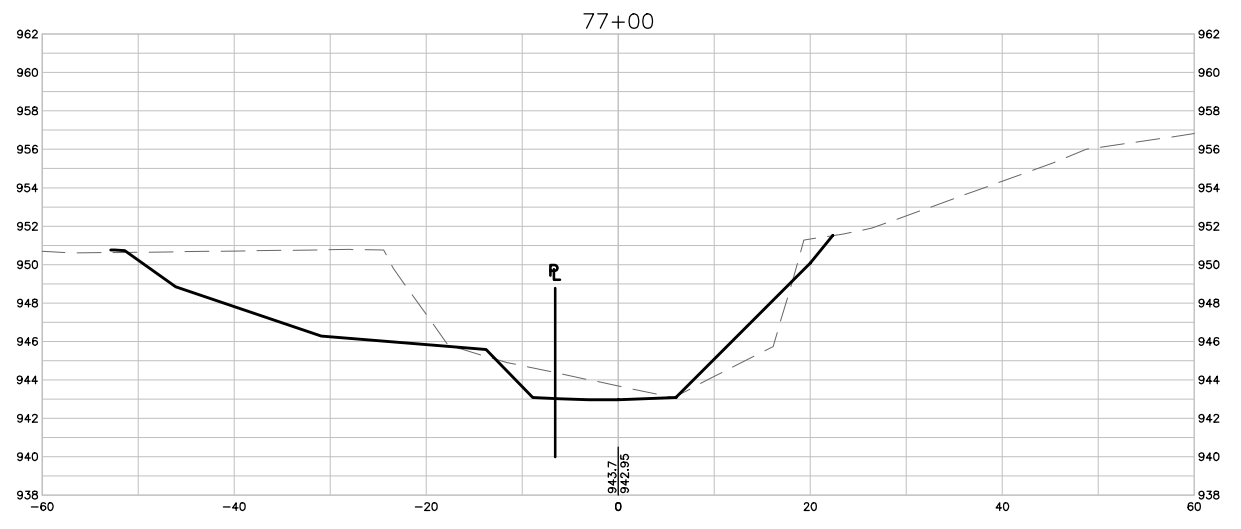
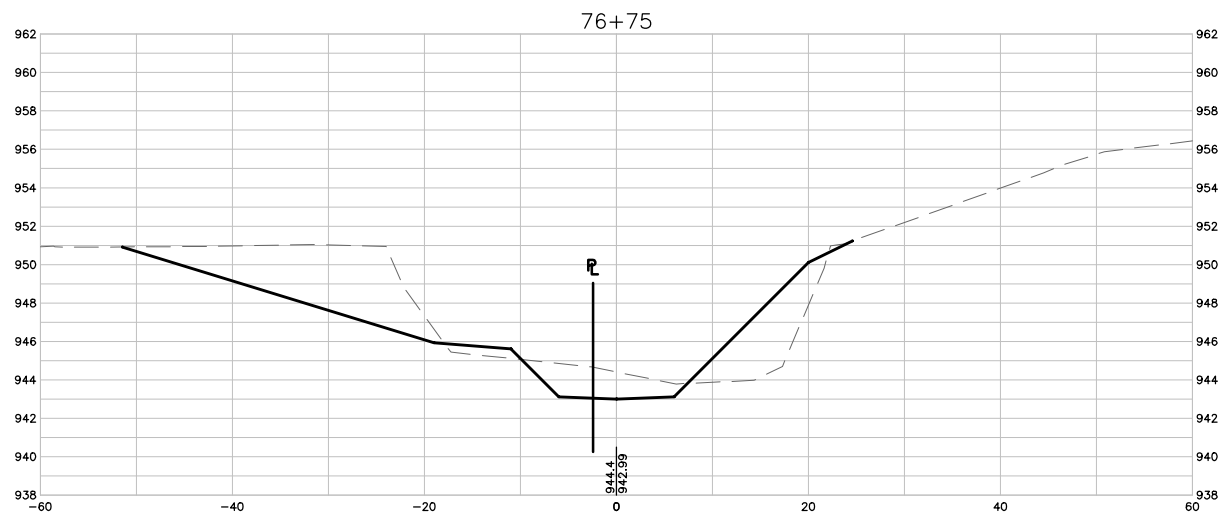
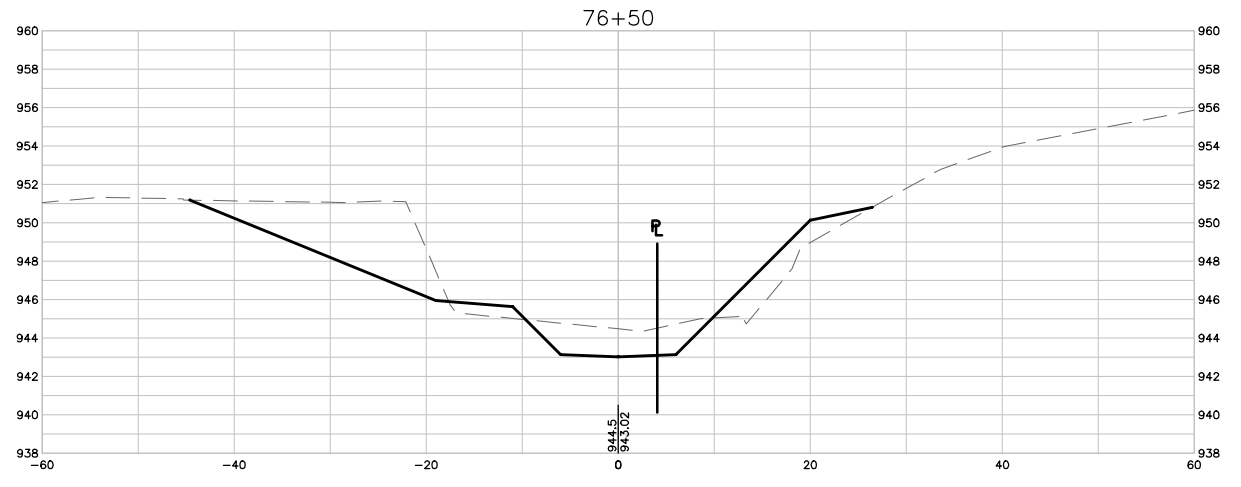
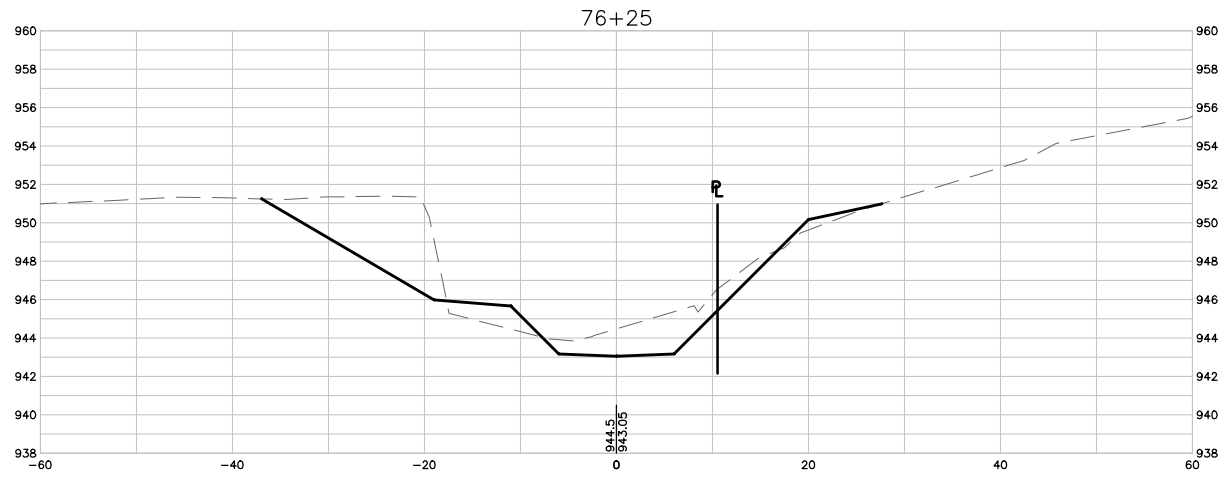


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C333

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:55:00 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C334 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

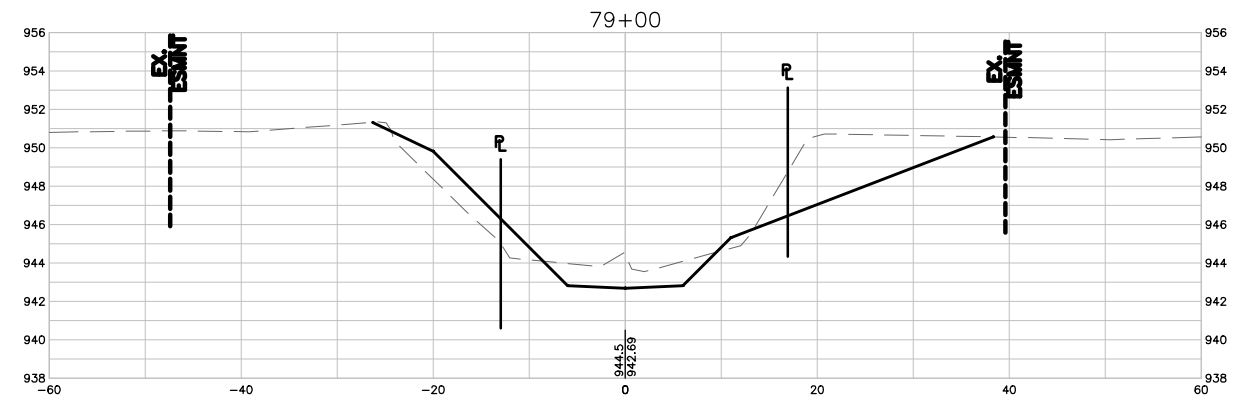
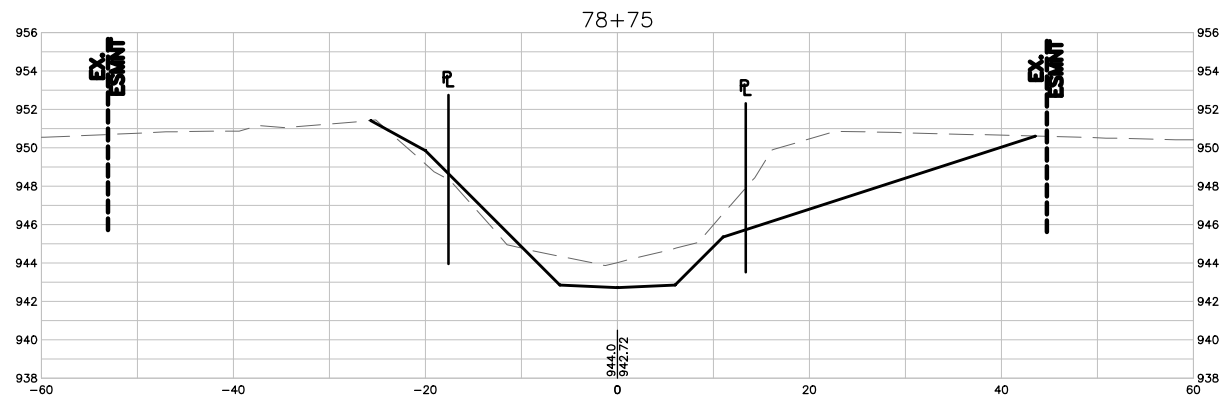
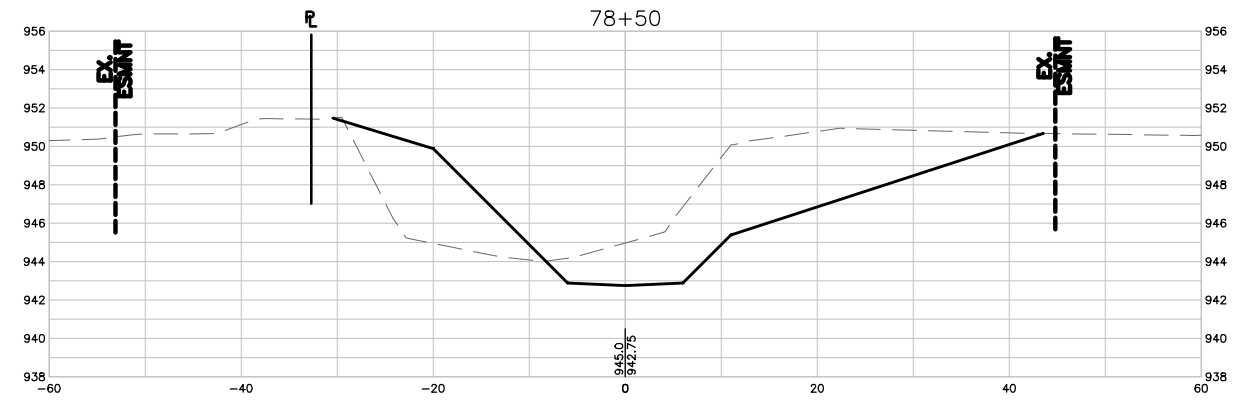
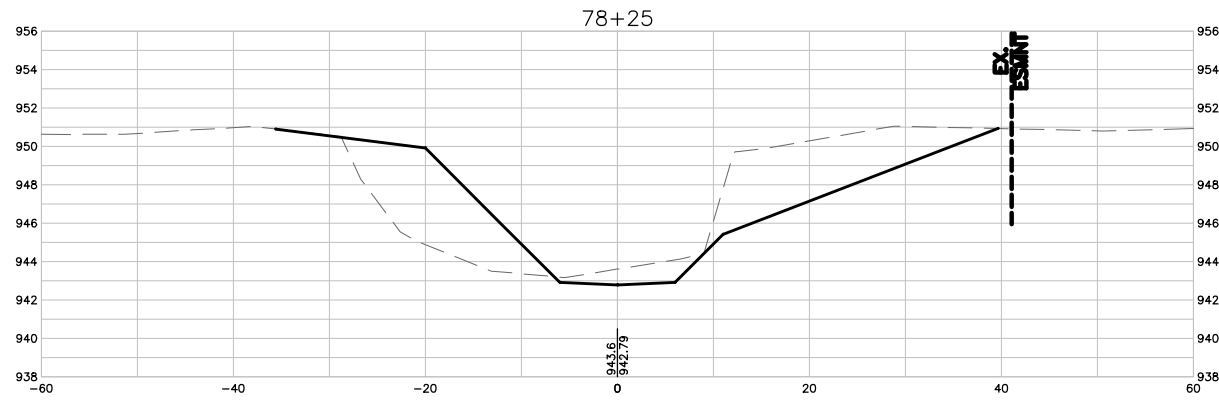
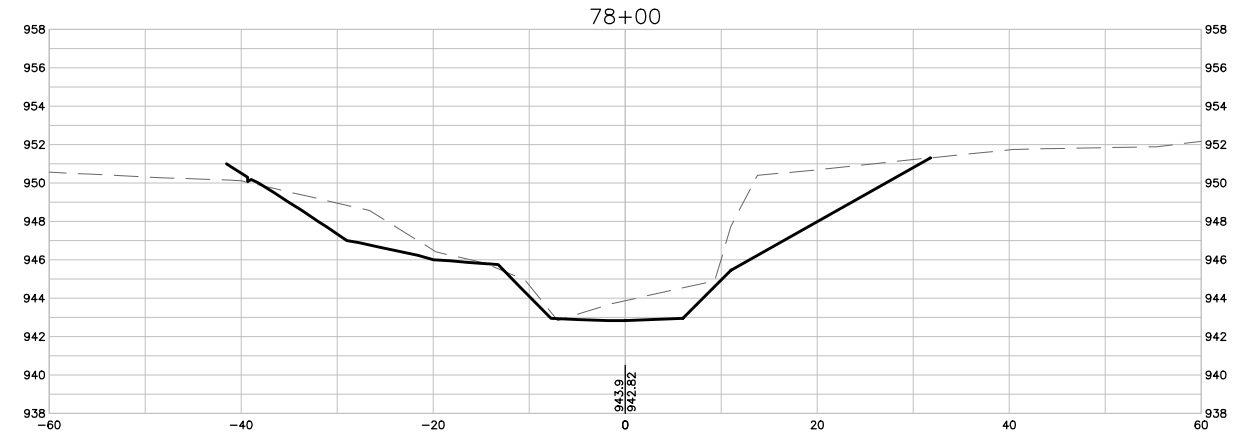
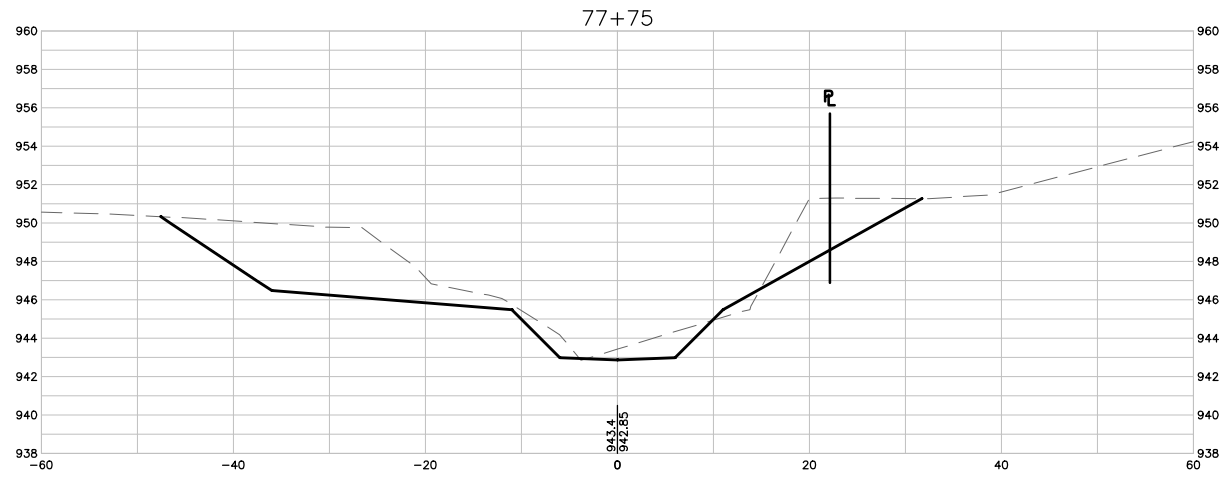


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C334

Xref: xgl-2-df01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:54:57 PM
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BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 [Symbol] 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

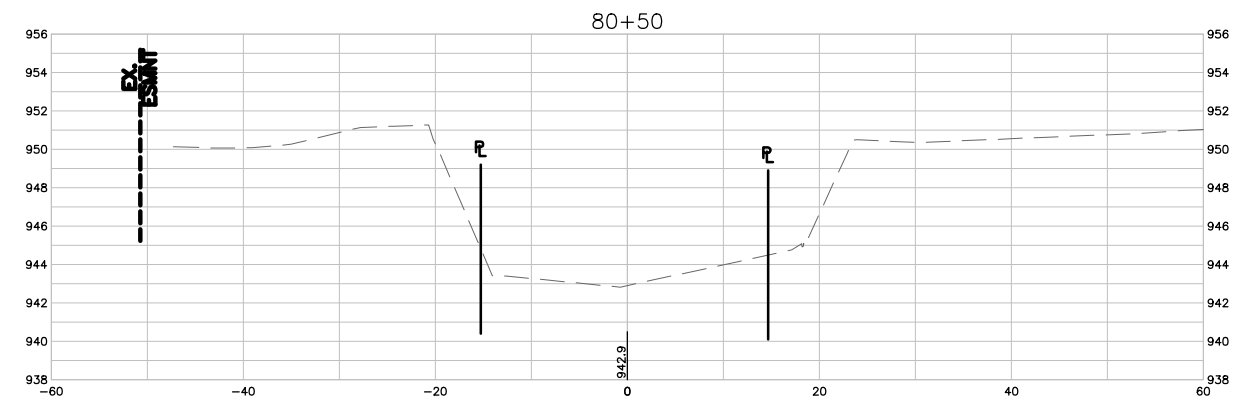
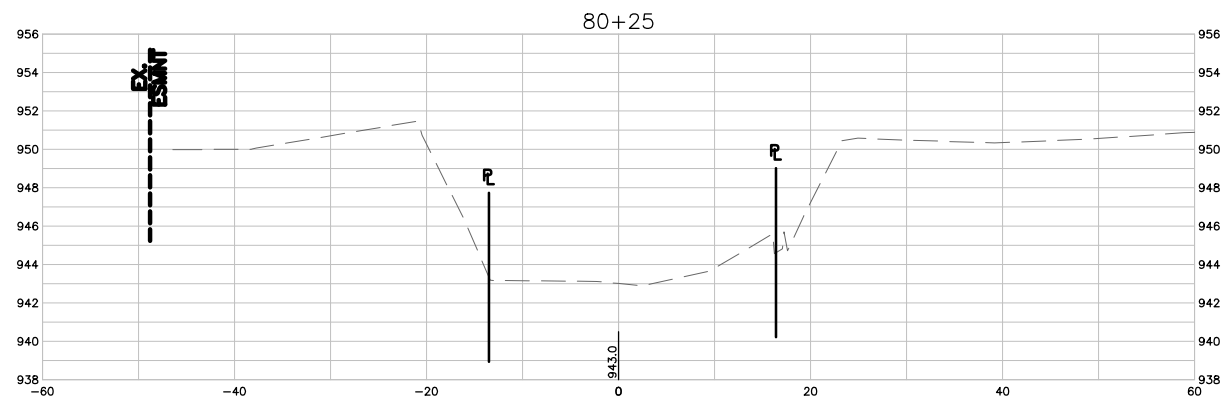
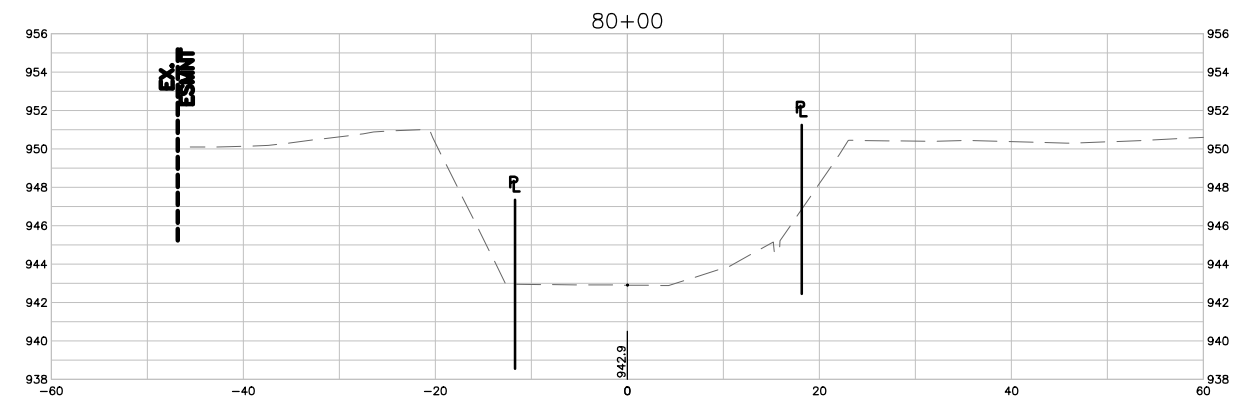
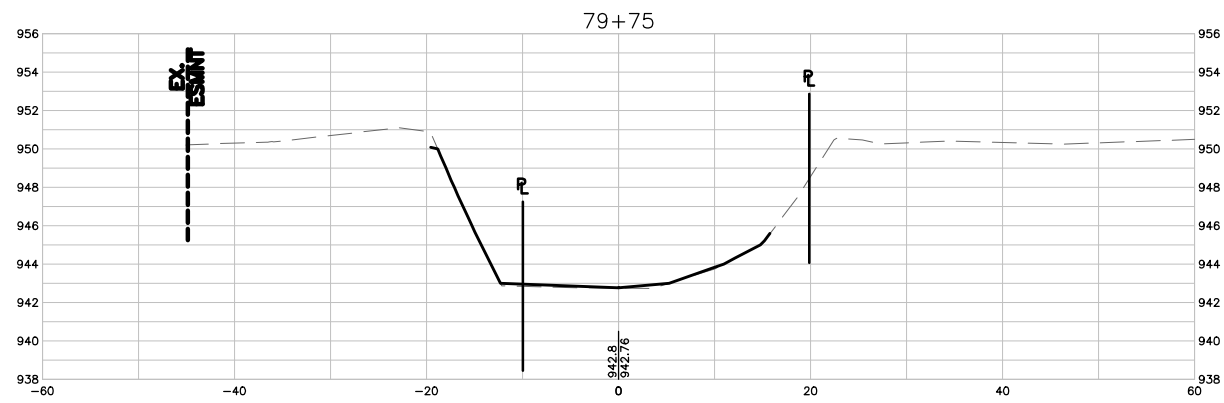
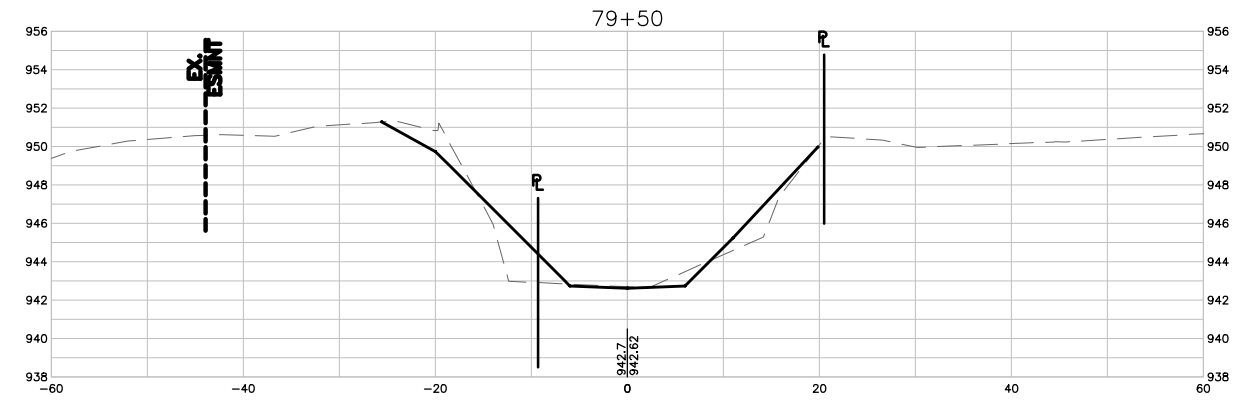
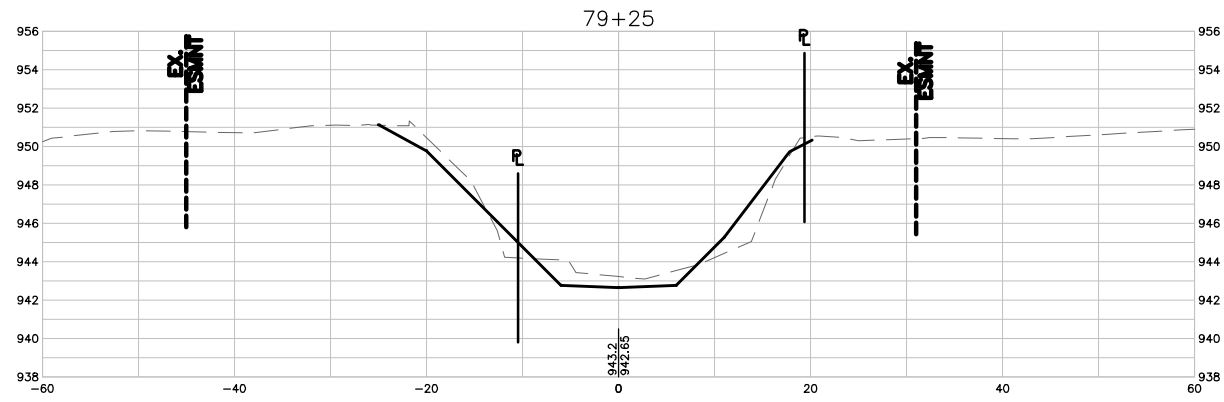


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C335

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:54:54 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C336 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

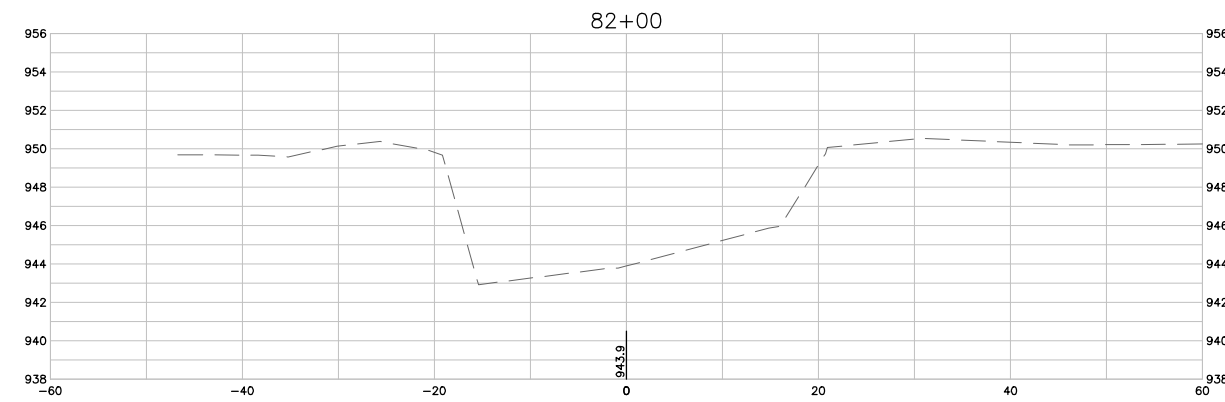
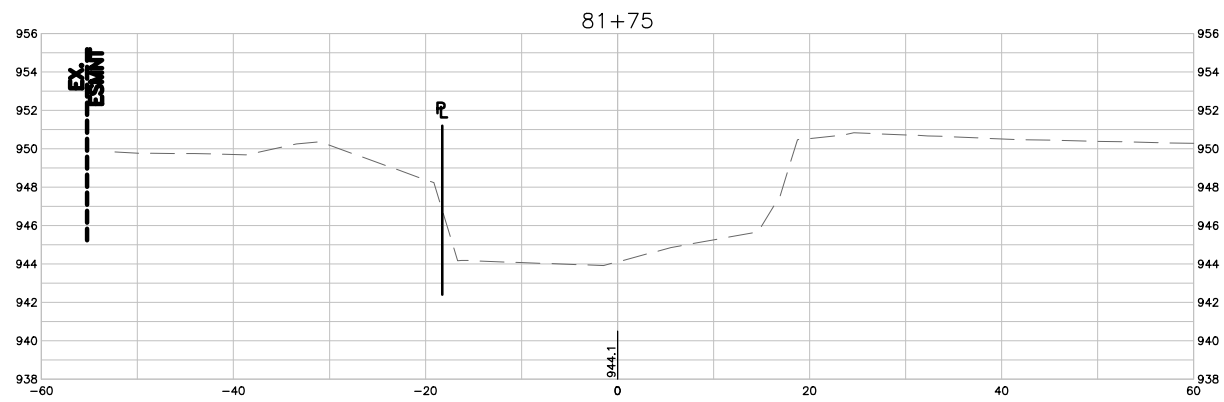
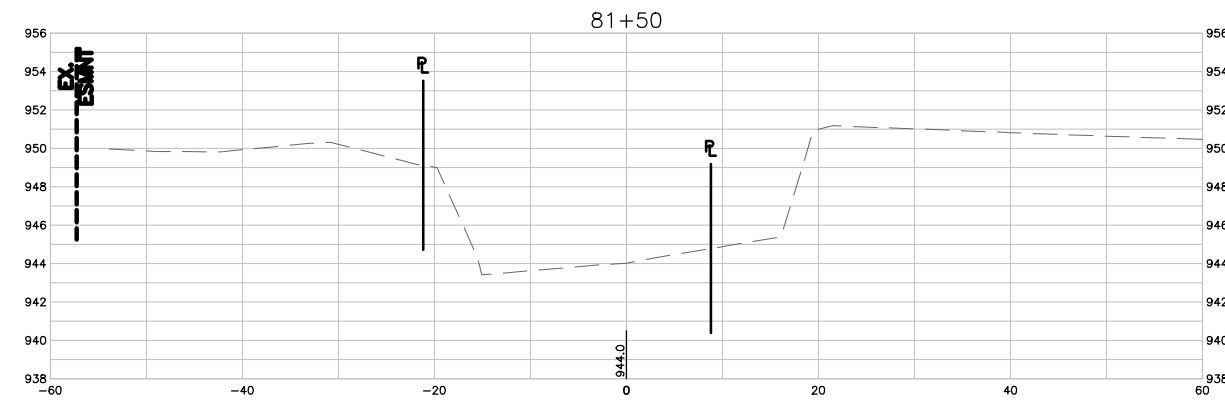
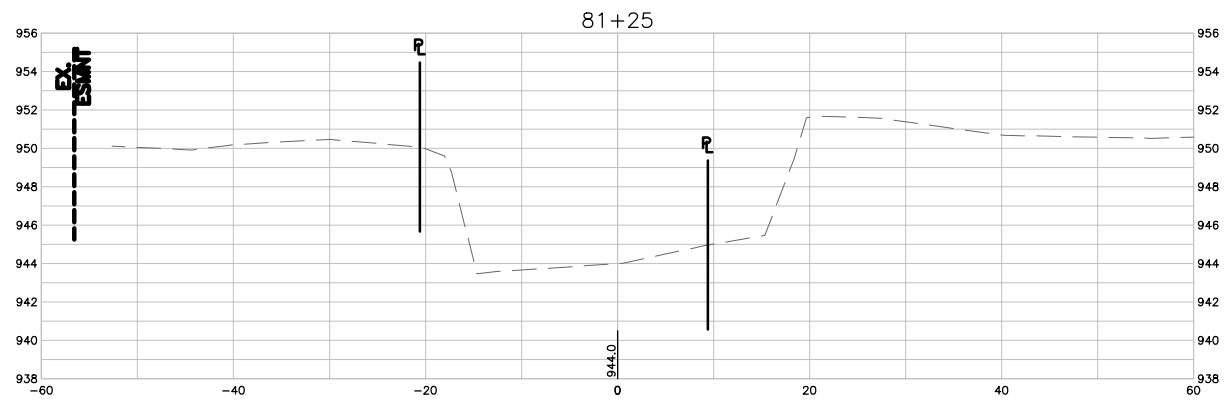
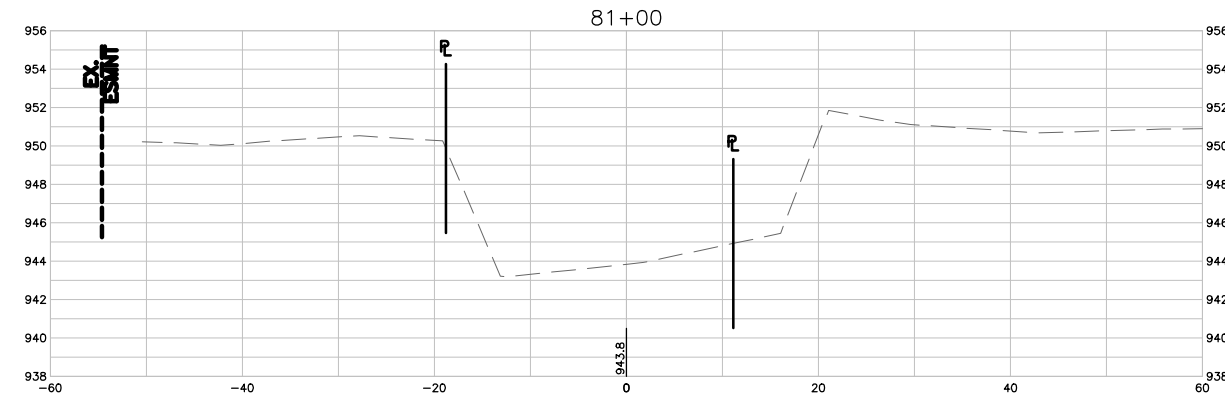
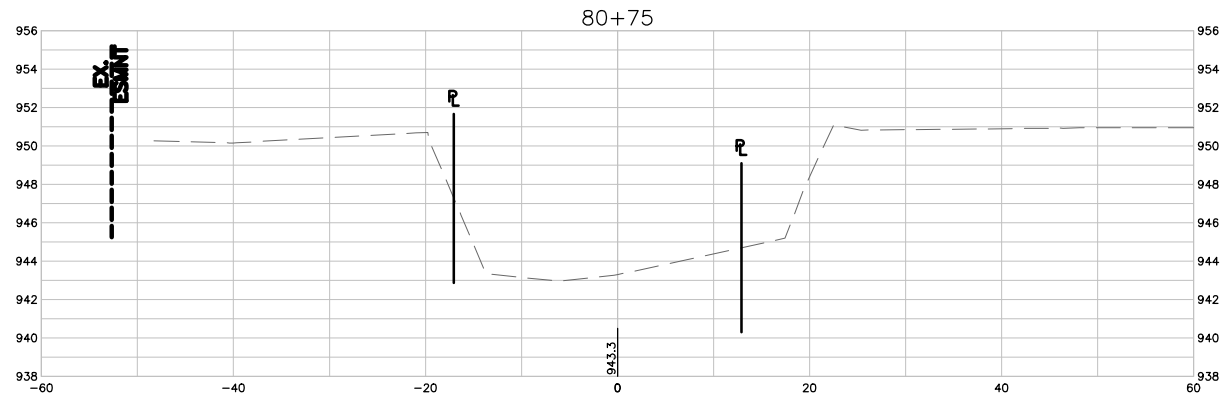


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C336

Xref: xgl-2-dh01: XC-2-XSEC; XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:54:50 PM
 CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C337 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

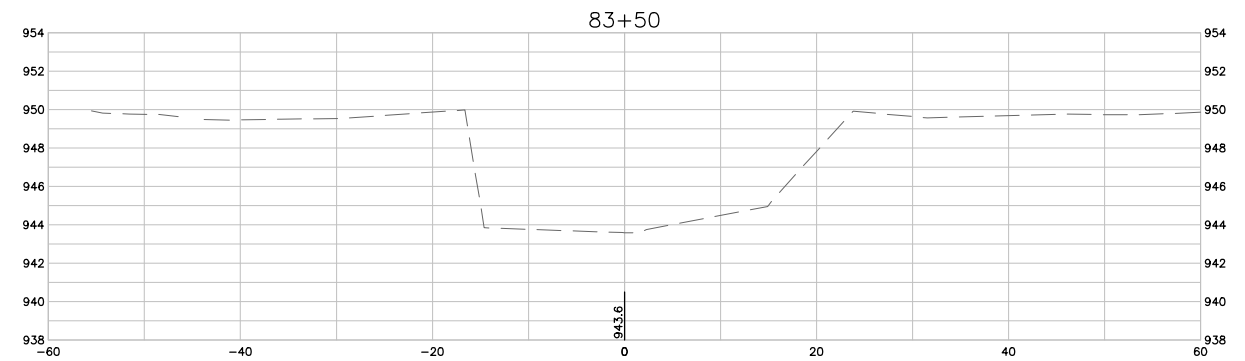
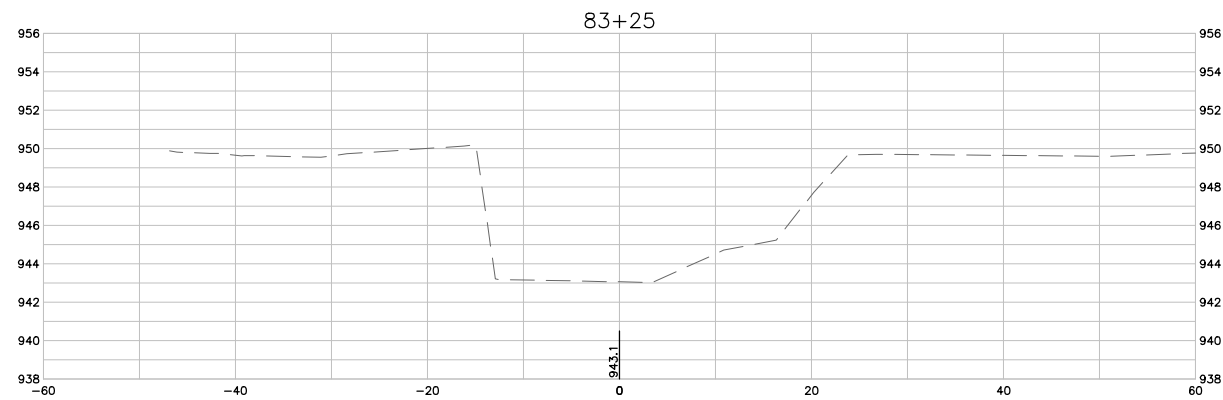
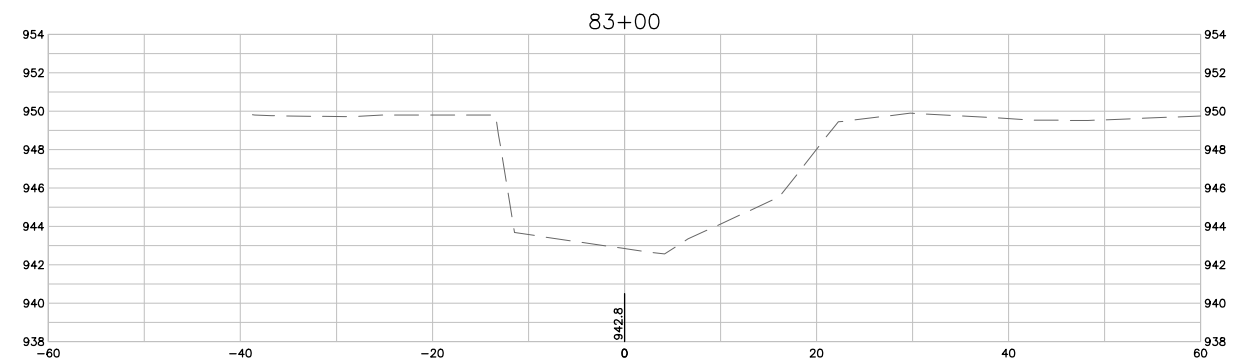
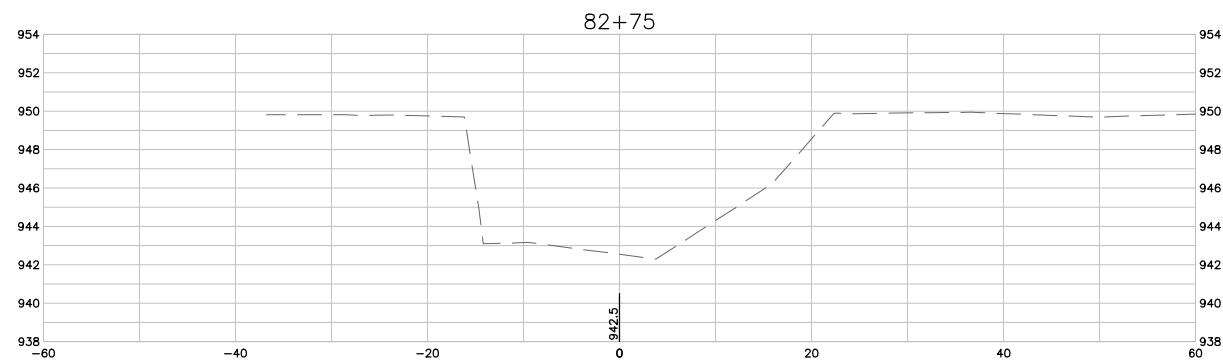
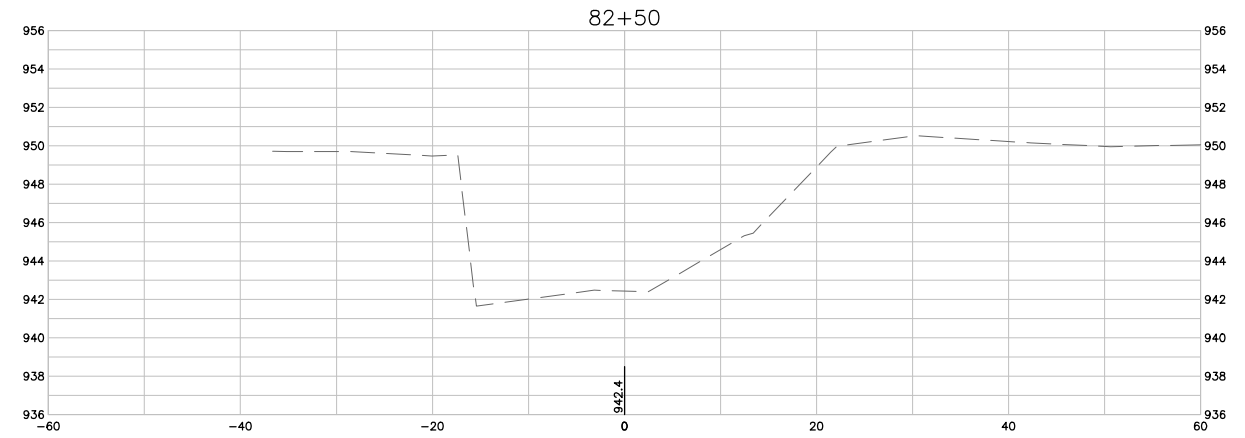
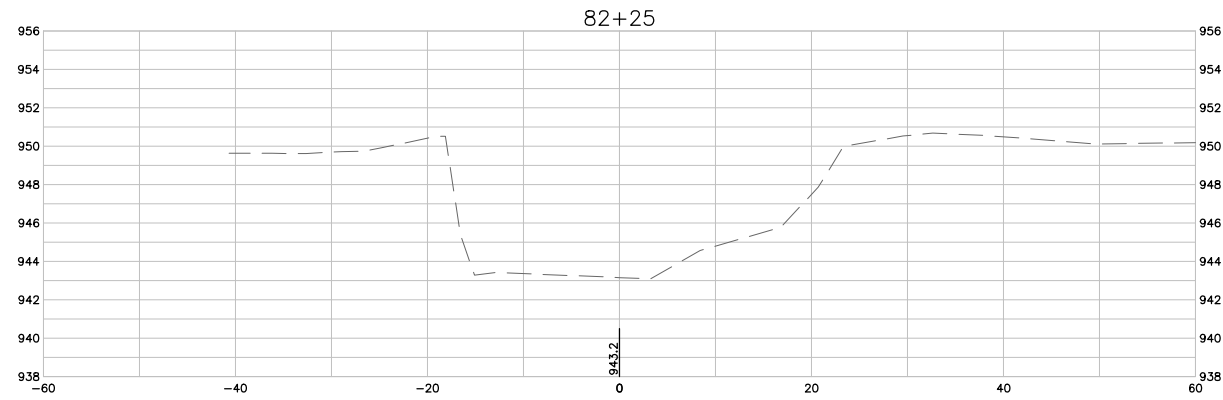


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C337

Xref: xgl-2-df01: XC-2-XSEC: XC-2-CORR



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: KCJ JOB DATE: 2025
 APPROVED: KRB JOB NUMBER: 191900.03
 CAD DATE: 10/29/2024 12:54:46 PM
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 0 [Symbol] 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

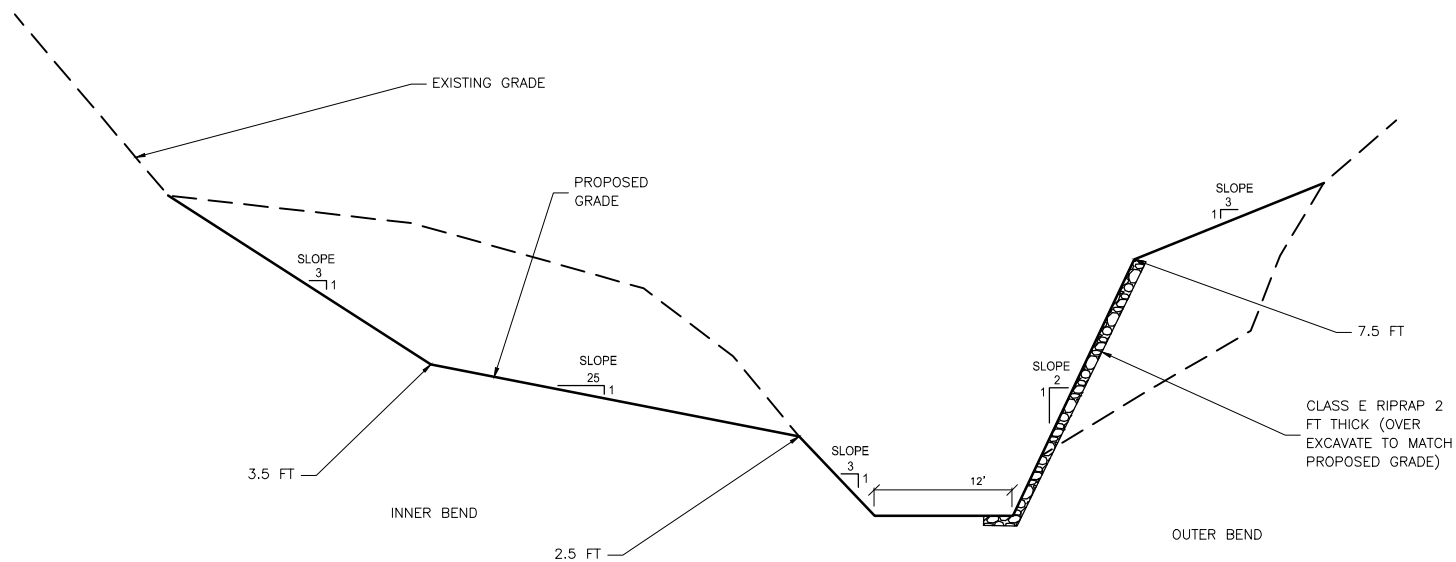


WEST INDIAN CREEK (PROJECT A)
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C338

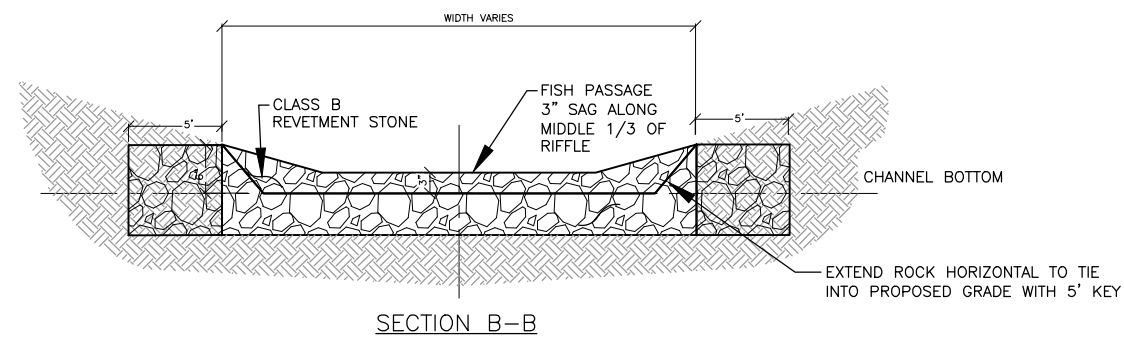
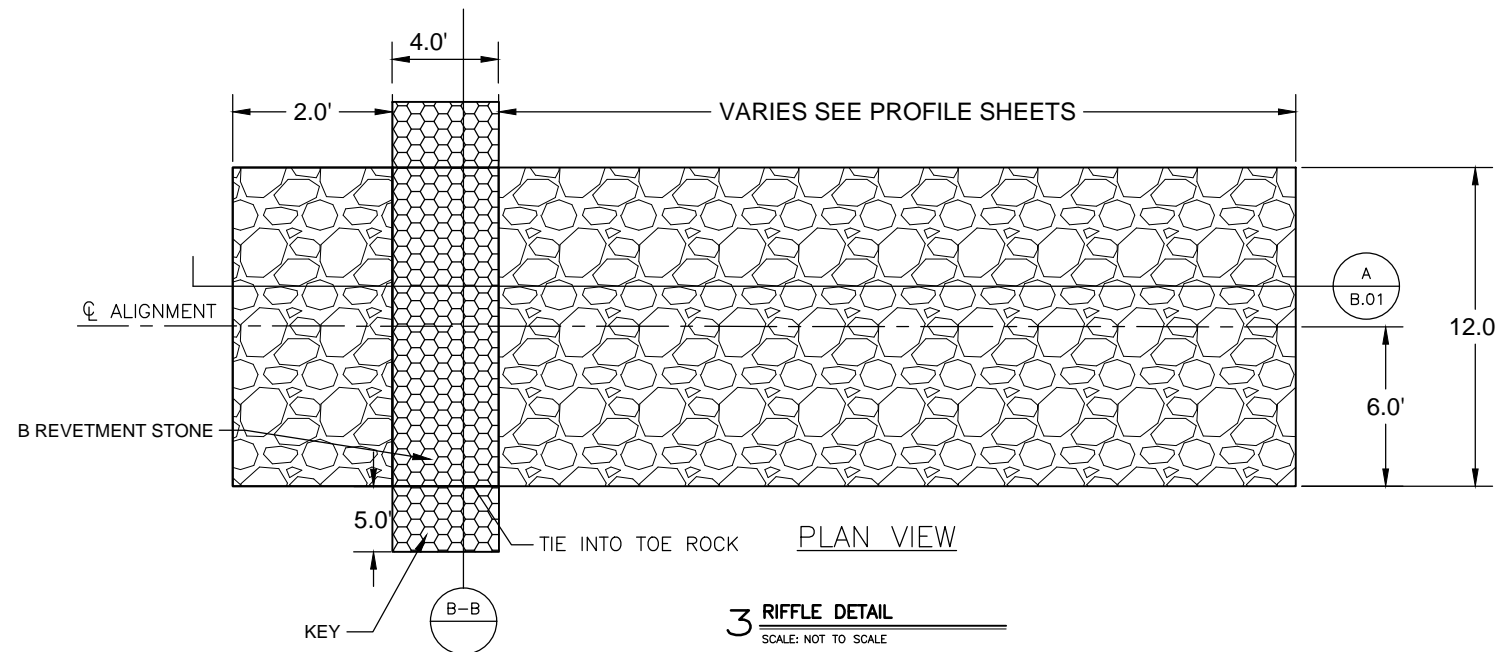
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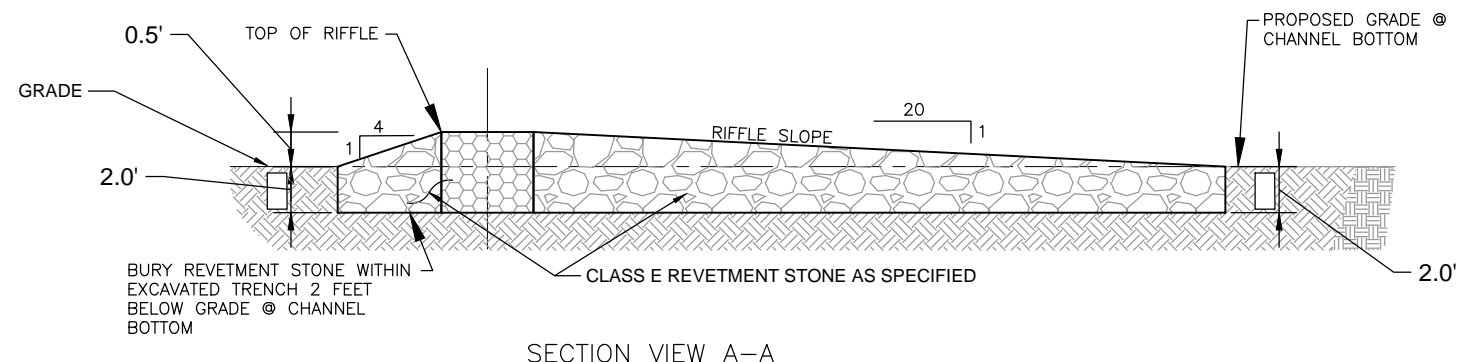
TYPICAL CROSS SECTION AND TOE ROCK DETAIL
NOT TO SCALE

1 CROSS SECTION DETAILS
SCALE: NOT TO SCALE

NOTE: SOME AREAS WILL DEVIATE FROM THE TYPICAL TO TIE INTO EXISTING GRADE AND AVOID INFRASTRUCTURE. SEE PLAN AND PROFILE SHEETS.



SECTION B-B
2 RIFFLE DETAIL
SCALE: NOT TO SCALE



SECTION VIEW A-A
4 RIFFLE DETAIL
SCALE: NOT TO SCALE

FINAL PLANS

DRAWN BY: **ECd** JOB DATE: 2025
APPROVED: **SEB** JOB NUMBER: 191900.03
CAD DATE: 1/31/2025 3:23:27 PM
CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C501 DETAILS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
0 1"

IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
DETAILS

SHEET NO.
C501

Xrefs: xgf-2-df01: 2_2_1_live_staking_joint_staking