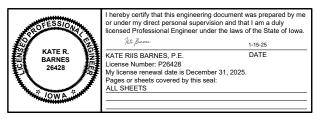
# WEST INDIAN CREEK (PROJECT A) **SRF SPONSORED PROJECT**

CITY OF NEVADA IOWA **NEVADA, IOWA** 

2025

# CERTIFICATION









# LOCATION MAP





5525 MERLE HAY ROAD, SUITE 200 | JOHNSTON, IOWA 50131 Phone: 515.278.2913 | Toll Free: 800.728.7805 | Fax: 515.278.1846 | HRGreen.com

# SHEET INDEX

PERMANENT SEEDING PLAN PERMANENT SEEDING PLAN

PERMANENT SEEDING PLAN

PERMANENT SEEDING PLAN

PERMANENT SEEDING PLAN

CROSS SECTIONS CROSS SECTIONS CROSS SECTIONS

CROSS SECTIONS

CROSS SECTIONS CROSS SECTIONS

CROSS SECTIONS

CROSS SECTIONS

CROSS SECTIONS

CROSS SECTIONS CROSS SECTIONS CROSS SECTIONS

CROSS SECTIONS CROSS SECTIONS

CROSS SECTIONS CROSS SECTIONS

CROSS SECTIONS

CROSS SECTIONS CROSS SECTIONS

CROSS SECTIONS

C209

C211

C212

C214

C301

C303

C305

C307

C308

C310

C312

C315

C317

C318

| ЭПІ              | EEI INDEA                           | C322 | CROSS SECTIONS |
|------------------|-------------------------------------|------|----------------|
| Charl Marker     | Charl Till                          | C323 | CROSS SECTIONS |
| Sheet Number     | Sheet little                        | C324 | CROSS SECTIONS |
| GENERAL          |                                     | C325 | CROSS SECTIONS |
| G000             | COVER SHEET                         | C326 | CROSS SECTIONS |
| G001             | LEGENDS, SYMBOLS AND GENERAL NOTES  | C327 | CROSS SECTIONS |
| G002             | ABBREVIATIONS                       | C328 | CROSS SECTIONS |
| G003             | QUANTITIES                          | C329 | CROSS SECTIONS |
| G004             | ERI NOTES - ESTIMATE REFERENCE      | C330 | CROSS SECTIONS |
| G005             | ERI NOTES - ESTIMATE REFERENCE      | C331 | CROSS SECTIONS |
| SURVEY & MAPPING |                                     | C332 | CROSS SECTIONS |
| V001             | SURVEY CONTROL                      | C333 | CROSS SECTIONS |
| CIVIL            |                                     | C334 | CROSS SECTIONS |
| C101             | OVERALL SITE PLAN & KEY PLAN        | C335 | CROSS SECTIONS |
| C201             | PLAN & PROFILE - STA 42+40 TO 46+00 | C336 | CROSS SECTIONS |
| C202             | PLAN & PROFILE - STA 46+00 TO 52+00 | C337 | CROSS SECTIONS |
| C203             | PLAN & PROFILE - STA 52+00 TO 58+00 | C338 | CROSS SECTIONS |
| C204             | PLAN & PROFILE - STA 58+00 TO 64+00 | C501 | DETAILS        |
| C205             | PLAN & PROFILE - STA 64+00 TO 70+00 |      |                |
| C206             | PLAN & PROFILE - STA 70+00 TO 76+00 |      |                |
| C207             | PLAN & PROFILE - STA 76+00 TO 82+00 |      |                |
| C208             | PERMANENT SEEDING PLAN              |      |                |
|                  |                                     |      |                |

C321

CROSS SECTIONS

**HRGreen** 

REVISION DESCRIPTION

NO. DATE BY

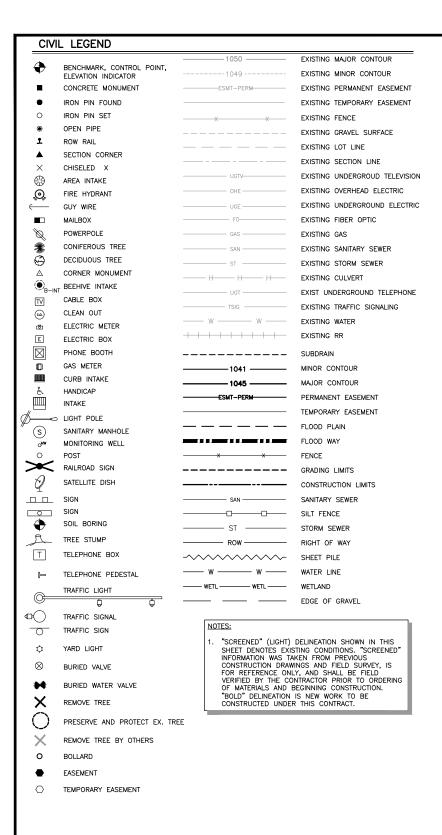
HRGreen.com **HRGreen** 

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

COVER SHEET

FINAL PLANS

G000



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

CAST IN PLACE CONCRETE, PRECAST CONCRETE,

CONCRETE MASONRY UNITS

BRICK MASONRY UNITS ACC PAVING IN SECTION

INSULATION: NON-RIGID, BATT INSULATION: RIGID

ROUGH CARPENTRY

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

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

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:

- 1. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.
- 2. 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
- 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 PREFORMED.
- 4. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- 5 OFFSITE PROPERTY SHALL BE PROTECTED FROM FROSION AND SEDIMENTATION VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL,
- 6. 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 ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT IN CATER THAN 14 CALENDAR DATS 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
- 8. 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
- 9. THE DRAINAGE SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO 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.
- 10. IF DEWATERING SERVICES ARE USED. ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BI 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.
- 11. 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.
- 12. STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH
- 13. 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 MATERALS, 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
- 14. ADEQUATE RECEPTACLES 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.
- 15. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
- 16. 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.
- 17. ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.
- 18. DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND TEH DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.
- 19. NOTIFY OWNER AND ENGINEER 48 HOURS PRIOR TO STARTING CONSTRUCTION
- 20. 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
- 21. 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.
- 22. 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.
- 23. 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 UTILITIES IS INCIDENTAL TO CONSTRUCTION.
- 24. PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.

- 25. 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.
- 26. 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
- 27. 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
- 28. 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
- 29 CONTRACTORS SHALL SATISFY THEMSELVES PRIOR TO SUBMISSION OF RIDS AS TO THE SOIL CONDITIONS.
- 30. PROTECT AND SAVE ALL PROPERTY CORNER MONUMENTS. REPLACE IF REMOVED OR DAMAGED (INCIDENTAL).
- 31. 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.
- 32. 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
- 33. 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
- 34. ASSIST ENGINEER'S FIELD REPRESENTATIVE WITH RECORD KEEPING. CONTRACTOR REQUIRED TO ATTEND FINAL AND INTERMEDIATE INSPECTIONS OF PROJECT.
- 35. 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 INORMAITON

| 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@cityofnevadaiowa.org |
| Mediacom                  | Tim Adreon                    | 515-233-2318  | tadreon@mediacomcc.com       |
| Windstream Communications | Locate Desk                   | 800-289-1901  | LOCATE.DESK@WINDSTREAM.COM   |

FINAL PLANS

**GENERAL** 

LEGENDS, SYMBOLS AND GENERAL NOTES

SHEET NO. G001

BAR IS ONE INCH ON OFFICIAL DRAWINGS. APPROVED: KRB JOB NUMBER: 191900.03 CAD DATE: 10/25/2024 1:15:34 PM CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\G\G001 LEGEND AND GN.d

NO. DATE BY REVISION DESCRIPTION



| ABBREVI.     | ATIONS<br>AT   |                         |  | •                 | OUTE ODDUND   |               | NETED   |                 |   |              |   |       |           |
|--------------|--|-------------------------|--|-------------------|---|---------------|---|-----------------|---|--------------|---|-------|-----------|
| Α            | AMPS, AMPERES  | D<br>DB                 | DECANT DRY BULB TEMPERATURE, DIRECT BURIED               | G<br>GA           | GATE, GROUND<br>GAUGE, GAGE                           | M<br>MA       | METER<br>MILLIAMPERES   | R<br>RA         | RISER(S), RADIUS  | V<br>VA      | VALVE, VENT, VOLTS  |       |           |
| AAV<br>AB    | AUTOMATIC AIR VENT<br>ANCHOR BOLT                                      | DBL<br>DC               | DOUBLE DIRECT CURRENT                                    | GAL<br>GALV       | GALLONS<br>GALVANIZED                                 | MAINT<br>MAS  | MAINTENANCE<br>MASONRY  | RAD             | RETURN AIR<br>RADIUS  | VAC          | VOLT — AMPERES<br>VACUUM  |       |           |
| AC<br>ACC    | ALTERNATING CURRENT ASPHALTIC CEMENT CONCRETE                          | DEG                     | DEGREE   | GB<br>GC          | GYPSUM BOARD GAS CHROMATOGRAPH (FLOW COMPUTER)        | MAU<br>MAX    | MAKEUP AIR UNIT<br>MAXIMUM  | RAS<br>RB       | RETURN ACTIVATED SLUDGE<br>ROOF BEAM, RESILIENT BASE        | VAV<br>VB    | VARIABLE AIR VOLUME<br>VINYL BASE, VALVE BOX, VAPOR BARRIER                 |       |           |
| ACT<br>ACU   | ACOUSTIC CEILING TILE AIR CONDITIONING UNIT                            | DEMO<br>DEPT            | DEMOLITION<br>DEPARTMENT                                 | GEN               | GENERATOR   | MBH           | ONE THOUSAND BTUH   | RCP<br>RCMD     | REINFORCED CONCRETE PIPE                                    | VC           | VICTAULIC COUPLING  |       |           |
| AD           | ACCESS DOOR, AIR DRYER   | DG<br>DGS               | DOOR GRILLE<br>DIGESTER SLUDGE                           | GFI<br>GFR        | GROUND FAULT INTERRUPT GROUND FAULT RELAY             | MCA<br>MCC    | MINIMUM CIRCUIT AMPACITY MOTOR CONTROL CENTER                       | RD              | RECOMMENDED<br>ROOF DRAIN                                   | VCP<br>VCT   | VITRIFIED CLAY PIPE<br>VINYL COMPOSITION TILE                               |       |           |
| ADP<br>ADH   | AUTO DIALER PNL<br>ADHESIVE  | DI                      | DUCTILE IRON   | GFS               | GROUND FAULT SLAVE (PROTECTED UPSTREAM)               | MD<br>MECH    | MOTORIZED DAMPER<br>MECHANICAL                                      | RECIRC<br>RED   | RECIRCULATE REDUCER   | VD<br>VEL    | VOLUME DAMPER<br>VELOCITY   |       |           |
| A/E<br>AF    | ARCHITECTURAL / ENGINEERING FIRM                                       | DIA,ø<br>DIM            | DIAMETER<br>DIMENSION                                    | GL                | GLASS   | MEZZ          | MEZZANINE   | REF             | REFERENCE   | VENT         | VENTILATION   |       |           |
| AFD          | AMPERE FRAME ADJUSTABLE FREQUENCY DRIVE                                | DIP<br>DL               | DUCTILE IRON PIPE<br>DEAD LOAD                           | GPD<br>GPH        | GALLONS PER DAY GALLONS PER HOUR                      | MFR<br>MG     | MANUFACTURER<br>MILLION GALLON                                      | REINF<br>REQ(D) | REINFORCE(ING)<br>REQUIRE(D)                                | VERT<br>VFD  | VERTICAL VARIABLE FREQUENCY DRIVE   |       |           |
| AFF<br>AFUE  | ABOVE FINISHED FLOOR ANNUAL FUEL UTILIZATION EFFICIENCY                | DN                      | DOWN   | GPM<br>GRTG       | GALLONS PER MINUTE<br>GRATING                         | MGD<br>MH     | MILLION GALLONS PER DAY<br>MANHOLE, METAL HALIDE                    | REV<br>RF       | REVISED RETURN FAN, RESILIENT FLOORING                      | VLV<br>VOL   | VALVE<br>VOLUME   |       |           |
| AFG          | ABOVE FINISHED GRADE   | DP<br>DPR               | DEWPOINT TEMPERATURE<br>DAMPER                           | GV                | GATE VALVE  | MIN           | MINIMUM   | RG              | RETURN GRILLE   | VS           | VARIABLE SPEED  |       |           |
| AH<br>AHU    | ACCESS HATCH AIR HANDLING UNIT   | DRN<br>DS               | DRAIN<br>DOWN SPOUT                                      | GWB<br>GYP        | GYPSUM WALL BOARD<br>GYPSUM                           | MIRR<br>MISC  | MIRRORED<br>MISCELLANEOUS   | RH<br>RHC       | RELIEF HOOD, RELATIVE HUMIDITY REHEAT COIL                  | VTR          | VENT THRU ROOF  |       |           |
| AIC<br>ALT   | AMPERES INTERRUPTING CAPACITY ALTERNATE                                | DTL                     | DETAIL(S)  |                   |   | MJ<br>MK      | MECHANICAL JOINT<br>MARK  | RJ<br>RM        | RESTRAINED JOINT<br>ROOM                                    | w            | WATER, WATTS, WIDE FLANGE, WINDOW   |       |           |
| ALUM, A      | L ALUMINUM   | DWG<br>DWL              | DRAWING(S)<br>DOWEL                                      | HB                | HOSE BIBB   | MM            | MAG METER   | RO              | ROUGH OPENING, REVERSE OSMOSIS                              | w/           | WITH WITHOUT  |       |           |
| AMB<br>ANCH  | AMBIENT<br>ANCHOR  | DX                      | DIRECT EXPANSION   | HC<br>HCAP        | HEATING COIL, HANDICAP (PED) HANDICAP (PED)           | MO<br>MOCP    | MASONRY OPENING MAXIMUM OVERCURRENT PROTECTION                      | ROW<br>RPM      | RIGHT OF WAY<br>REVOLUTIONS PER MINUTE                      | W/O<br>WAP   | WALL PIPE   |       |           |
| ANOD<br>ANSI | ANODIZED AMERICAN NATIONAL STANDARDS INSTITUTE                         | E<br>EA                 | EQUIPMENT, EASTING<br>EACH, EXHAUST AIR                  | HD<br>HDPE        | HEAD<br>HIGH DENSITY POLYETHYLENE                     | MPH<br>MTD    | MILES PER HOUR<br>MOUNTED   | RR<br>RS        | RETURN REGISTER, RAILROAD<br>RAW SEWAGE                     | WAS<br>WB    | WASTE ACTIVATED SLUDGE WET BULB   |       |           |
| ARCH<br>AS   | ARCHITECT, ARCHITECTURAL AIR SEPARATOR                                 | EAT                     | ENTERING AIR TEMPERATURE                                 | HDR               | HEADER  | MTL           | METAL   | RTU<br>RW       | ROOFTOP UNIT  | WC           | WATER CLOSET, WATER<br>COLUMN, WATER COOLER                                 |       |           |
| ASHRAE       | AMERICAN SOCIETY OF HEATING,   | ECC<br>ECP              | ECCENTRIC ENVIRONMENTAL CONTROL PANEL                    | HG<br>HH          | MERCURY<br>HANDHOLE                                   | MV<br>MW      | MUD VALVE<br>MASONRY WALL   |                 | RESILIENT WEDGE   | WD           | WOOD, WATER DISTILLED   |       |           |
|              | REFRIGERATING, AND AIR CONDITIONING ENGINEERS                          | EDH<br>EER              | ELECTRIC DUCT HEATER ENERGY EFFICIENCY RATIO             | HID<br>H <b>M</b> | HIGH INTENSITY DISCHARGE<br>HOLLOW METAL              | N             | NEUTRAL, NORTHING   | S&F<br>SA       | SECURITY & FIRE PNL<br>SUPPLY AIR                           | WF<br>WG     | WIDE FLANGE<br>WATER GAUGE  |       |           |
| ASTM         | AMERICAN SOCIETY FOR TESTING AND MATERIALS                             | EF                      | EXHAUST FAN, EACH FACE                                   | HMA<br>HOA        | HOT MIX ASPHALT HAND OFF AUTOMATIC                    | NA, N//<br>NC |   | SAN<br>SAT      | SANITARY, SANITARY SEWER<br>SATURATION                      | WH<br>WNDW   | WATER HEATER, WALL HYDRANT<br>WINDOW, WINDOWS                               |       |           |
| AT           | AMPERE TRIP  | EFF<br>EG               | EFFICIENCY, EFFLUENT EXHAUST GRILLE, EQUIPMENT GENERATOR | HOR               | HORIZONTAL  | NEC           | NATIONAL ELECTRICAL CODE  | SB              | SOIL BORING   | WL           | WIND LOAD   |       |           |
| ATS<br>AVG   | AUTOMATIC TRANSFER SWITCH AVERAGE                                      | EJ<br>EL                | EXPANSION JOINT<br>ELEVATION                             | HP<br>HPG         | HORSEPOWER, HIGH POINT HIGH PRESSURE GAS              | NEG<br>NFPA   | NEGATIVE NATIONAL FIRE PROTECTION ASSOCIAT                          |                 | CFM, AT STANDARD CONDITIONS<br>SCHEDULE                     | WP<br>WS     | WORK POINT, WEATHERPROOF, WATER PROOF WALL SLEEVE, WATERSTOP, WATER SURFACE |       |           |
| AWG          | AMERICAN WIRE GAGE   | ELEC                    | ELECTRICAL   | HPS<br>HR         | HIGH PRESSURE SODIUM<br>HOUR                          | NIC<br>NL     | NOT IN CONTRACT<br>NIGHTLIGHT                                       | SD<br>SEER      | SMOKE DAMPER<br>SEASONAL ENERGY EFFICIENCY RATIO            | WSV<br>WSHP  | WALL SLEEVE<br>WATER SOURCE HEAT PUMP                                       |       |           |
| B/<br>B/B    | BOTTOM OF, BACK OF<br>BACK TO BACK (OF CURBS)                          | ELEV<br>EMBED           | ELEVATION<br>EMBEDMENT                                   | HSGL              | HEAT STRENGTHENED GLASS                               | NO            | NORMALLY OPEN, NUMBER   |                 | EFFICIENCY RATIO  | WT           | WATER TANK  |       |           |
| BBH<br>BC    | BASEBOARD HEATER<br>BARE COPPER  | ENCL<br>ENG             | ENCLOSURE<br>ENGINEER                                    | HSS<br>HT         | HOLLOW STRUCTURAL SHAPE<br>HEIGHT                     | NOM<br>NPT    | NOMINAL<br>NATIONAL PIPE THREAD                                     | SEN<br>SF       | SENSIBLE<br>SUPPLY FAN, SQUARE FOOT                         | ww<br>wwr    | WARM WATER, WASTE WATER<br>WELDED WIRE REINFORCING                          |       |           |
| B/C          | BACK OF CURB   | EP                      | EXPLOSION PROOF, EPOXY PAINT                             | HTG<br>HTR        | HEATING<br>HEATER                                     | NPS<br>NRP    | NOMINAL PIPE SIZE<br>NON-REMOVABLE PIN                              | SG<br>SH        | SUPPLY GRILLE, SLIDE/SLUICE GATE<br>SHIELDED, SHOWER, SHEET | XDCR         | TRANSDUCER  |       |           |
| BD BM<br>BDD | BOND BEAM<br>BACKDRAFT DAMPER  | EQMT                    | UIP EQUAL, EQUIPMENT<br>EQUIPMENT                        | HU                | HUMIDIFIER  | NTS           | NOT TO SCALE  | SIM<br>SJ       | SIMILAR   | XFMR<br>XMTR | TRANSFORMER<br>TRANSMITTER  |       |           |
| BF<br>BFP    | BLIND FLANGE BACKFLOW PREVENTOR.                                       | ER<br>ESP               | EXHAUST REGISTER EXTERNAL STATIC PRESSURE                | HVAC<br>HW        | HEATING, VENTILATING, AIR CONDITIONING HOT WATER      | OA            | OUTSIDE AIR   | SHR             | SOFT JOINT, SAW CUT JOINT<br>SENSIBLE HEAT RATIO            |              |   |       |           |
|              | BELT FILTER PRESS  | ET                      | EXPANSION TANK   | HWC<br>HWP        | HOT WATER RECIRCULATED HEATING WATER PUMP             | OAT<br>OBD    | OUTDOOR AIR TEMPERATURE OPPOSED BLADE DAMPER                        | SHT<br>SIM      | SHEET<br>SIMILAR  | YD<br>YDS    | YARD<br>YARDS   |       |           |
| BFV<br>BHP   | BUTTERFLY VALVE<br>BRAKE HORSEPOWER                                    | ETM<br>EUH              | ELAPSED TIME METER<br>ELECTRIC UNIT HEATER               | HWR               | HOT WATER RETURN                                      | oc            | ON CENTER   | SK              | SINK  | YH           | YARD HYDRANT  |       |           |
| BLDG<br>BLK  | BUILDING<br>BLOCK  | EVAP<br>EW              | EVAPORATOR<br>EACH WAY                                   | HWS<br>HWUH       | HOT WATER SUPPLY<br>HOT WATER UNIT HEATER             | OD<br>OED     | OUTSIDE DIAMETER, OVERFLOW DRAIN OPEN END DUCT                      | N SL<br>SMACNA  |   | ZS           | POSITION SWITCH   |       |           |
| BOD          | BOTTOM OF DUCT,  | EWC<br>EWEF             | ELECTRIC WATER COOLER EACH WAY EACH FACE                 | HX<br>HZ          | HEAT EXCHANGER<br>HERTZ                               | 0/F, 0F       | OUTSIDE FACE, OPEN FACE, OVERFLO OVERHEAD                           | OW              | CONDITIONING CONTRACTORS NATIONAL ASSOCIATION               | NOTE:        |   |       |           |
| ВОР          | BIOLOGICAL OXYGEN DEMAND<br>BOTTOM OF PIPE                             | EWT                     | ENTERING WATER TEMPERATURE                               | 112               | TIENTE  | OHE           | OVERHEAD ELECTRIC   | SP<br>SPEC      | STATIC PRESSURE, SUMP PUMP, SPACE(S) SPECIFICATION          |              | E LIST OF ABBREVIATIONS SHOWN IS  |       |           |
| BM<br>BOT    | BENCH MARKER<br>BOTTOM   | EXIST<br>EXP            | EXISTING<br>EXPANSION                                    | IBC<br>IFC        | INTERNATIONAL BUILDING CODE INTERNATIONAL FIRE CODE   | OL<br>OPNG    | MOTOR OVERLOAD CONTACTS OPENING                                     | SQ              | SQUARE  |              | NDARD LIST. NOT ALL ABBREVIATIONS<br>SED IN THESE DRAWINGS                  |       |           |
| BOW          | BOTTOM OF WALL   | EXP MA                  | T EXPANSION MATERIAL EXTERIOR, EXTERNAL                  | IPC               | INTERNATIONAL PLUMBING CODE                           | OPP<br>OSB    | OPPOSITE ORIENTED STRAND BOARD                                      | SQ FT<br>SR     | SQUARE FEET<br>SUPPLY REGISTER                              |              |   |       |           |
| BRG<br>BRK   | BEARING<br>BRICK   | _                       |  | IMC<br>ID         | INTERNATIONAL MECHANICAL CODE INSIDE DIAMETER         | 000           |   | SS<br>SSH       | STAINLESS STEEL<br>SAFETY SHOWER                            |              |   |       |           |
| BTU<br>BTUH  | BRITISH THERMAL UNIT<br>BTU PER HOUR                                   | F<br>FA                 | DEGREES FAHRENHEIT, FLUORIDE<br>FACE AREA, FREE AREA     | IE<br>I/F, IF     | INVERT ELEVATION<br>INSIDE FACE                       | P<br>PART     | POLE, PUMP<br>PARTIAL   | SSL<br>SST      | SECONDARY SLUDGE<br>SATURATED SUCTION TEMPERATURE           |              |   |       |           |
| BTWN<br>BV   | BETWEEN<br>BALL VALVE  | FAB<br>FAC              | FABRICATE(D) FLANGED ADAPTOR COUPLING                    | IN                | INCHES  | PB<br>PBD     | PUSHBUTTON, PULL BOX, PANEL BOA<br>PARALLEL BLADE DAMPER            | ARD STC         | SOUND TRANSMISSION CLASS                                    |              |   |       |           |
| ΒV           | DALL VALVE   | FB<br>FC                | FLAT BAR, FLOOR BEAM FAN COIL UNIT. FLEXIBLE CONNECTION  | INC<br>INF        | INCANDESCENT<br>INFLUENT                              | PC            | PRECAST CONCRETE  | STD<br>STL      | STANDARD<br>STEEL   |              |   |       |           |
| C<br>CAP     | CONDUIT, CELSIUS, C STRUCTURAL SHAPE<br>CAPACITY                       | FCA                     | FLANGE COUPLING ADAPTOR                                  | INSUL<br>INT      | INSULATION<br>INTERIOR                                | PCC<br>PCF    | PORTLAND CEMENT CONCRETE POUNDS PER CUBIC FOOT                      | SUCT<br>SW      | SUCTION<br>SWITCH, SAMPLING                                 |              |   |       |           |
| CB           | CIRCUIT BREAKER COILING COIL, CONSTRUCTION CASTING                     | FD<br>FDGGF             | FIRE DAMPER, FLOOR DRAIN FREE DRAINING GRADED            | INVT              | INVERT  | PCST<br>PD    | PRECAST<br>PRESSURE DROP  | T<br>T&B        | TEMPERATURE, THREAD TOP AND BOTTOM                          |              |   |       |           |
| CD           | CEILING DIFFUSER   | FDN                     | GRANULAR FILL<br>FOUNDATION                              | JB                | JUNCTION BOX  | PE<br>PERF    | PLAIN END, POLYETHYLENE   | TACH            | TACHOMETER  |              |   |       |           |
| CFH<br>CFM   | CUBIC FEET PER HOUR CUBIC FEET PER MINUTE                              | FE                      | FLANGED END, FIRE EXTINGUISHER                           | JS<br>JT, JNT     | JANITOR SINK<br>JOINT                                 | PERP          | PERFORATED<br>PERPENDICULAR   | TB<br>TBS       | TERMINAL BOARD THICKENED BLENDED SLUDGE                     |              |   |       |           |
| CH           | CONCRETE HARDENER<br>CAST IRON   | FEC<br>FF               | FIRE EXTINGUISHER CABINET<br>FINISHED FLOOR              | K                 | STRUCTURAL BAR JOIST SHAPE                            | PG<br>PH      | PROFILE GRADE<br>PHASE  | TCP<br>TD       | TEMP CONTROL PNL TEMPERATURE DIFFERENCE                     |              |   |       |           |
| CIP          | CAST IN PLACE, CLEAN IN  | FG<br>FH                | FLOOR GRILLE<br>FIRE HYDRANT                             | KCMIL             | THOUSAND CIRCULAR MILS                                | PJF<br>PL     | PREFORMED JOINT FILLER PLATE, PURGE LINE                            | TDH             | TOTAL DYNAMIC HEAD  |              |   |       |           |
| CJ           | PLACE, CAST IRON PIPE<br>CONTROL OR CONSTRUCTION JOINT                 | FIL<br>FIN              | FILTRATE<br>FINISH                                       | KVA<br>kW         | 1,000 VOLT AMPS<br>1,000 WATT                         | PLWD          | PLYWOOD   | TEL<br>TEMP     | TELEPHONE TEMPERATURE, TEMPORARY, TEMPERED                  |              |   |       |           |
| CKT<br>CL    | CIRCUIT<br>CENTER LINE   | FIN FLE                 | R FINISHED FLOOR   | KWH               | KILOWATT - HOUR                                       | PNL<br>POJ    | PANEL<br>PUSH ON JOINT  | TFR<br>TGL      | TRICKLING FILTER RECYCLE TEMPERED GLASS                     |              |   |       |           |
|              |  | FL<br>FLA               | FLOW LINE, FLUORESCENT<br>FULL LOAD AMPS                 | L                 | LOUVER, ANGLE   | PPM<br>PR     | PARTS PER MILLION<br>PAIR   | TMV             | THERMOSTATIC MIXING VALVE                                   |              |   |       |           |
| CLG<br>CLR   | CEILING, COOLING<br>CLEAR, CLEARANCE                                   | FLEX<br>FLG             | FLEXIBLE<br>FLANGE                                       | LA<br>LAB         | LIGHTNING ARRESTOR<br>LABORATORY                      | PROJ          | PROJECTION  | T/<br>TOC       | TOP OF TOP OF CONCRETE                                      |              |   |       |           |
| CMPR<br>CMU  | COMPRESSOR<br>CONCRETE MASONRY UNIT                                    | FLR<br>FM               | FLOOR  | LAP<br>LAT        | LEVEL ALARM PNL<br>LEAVING AIR TEMP, LATENT, LATITUDE | PRV<br>PS     | PRESSURE REDUCING VALVE PRESSURE SWITCH, PUMP STA.                  | TOD<br>TONS     | TOP OF DUCT TONS OF REFRIGERATION                           |              |   |       |           |
| CND<br>CO    | CONDENSATE<br>CLEAN OUT  | FO                      | FORCEMAIN FIBER OPTICS                                   | LAV               | LAVATORY  | PSF<br>PSI    | POUNDS PER SQUARE FOOT<br>POUNDS PER SQUARE INCH                    | TOS             | TOP OF STEEL  |              |   |       |           |
| COL          | COLUMN   | FOB<br>FOC              | FLAT ON BOTTOM<br>FACE OF CONCRETE                       | LB(S)<br>LD       | POUND(S)<br>LINEAR DIFFUSER                           | PSIA<br>PSIG  | PSI, ABSOLUTE<br>PSI, GAGE  | TOW<br>TP       | TOP OF WALL<br>TWISTED PAIR                                 |              |   |       |           |
| COMP<br>CONC | COMPRESSION<br>CONCRETE  | FOM<br>FOS              | FACE OF MASONRY<br>FACE OF STEEL                         | LF<br>LFG         | LINEAR FEET<br>LANDFILL GAS                           | PSW           | PLANT SERVICE WATER   | TR<br>TSG       | TREAD(S) TEMPERED SAFETY GLASS                              |              |   |       |           |
| COND         | CONDENSER, CONDUIT CONTINUE (OUS)                                      | FOT                     | FLAT ON TOP  | LFH               | LANDFILL GAS (HIGH PRESS)                             | PTAC<br>PT    | PACKAGED TERMINAL AIR CONDITIONER POTENTIAL TRANSFORMER, PAINT, PRE | LK TSP          | TOTAL STATIC PRESSURE,                                      |              |   |       |           |
| CONTR        | CONTRACTOR   | FOW<br>FPM              | FACE OF WALL<br>FEET PER MINUTE                          | LFL<br>LHR        | LANDFILL GAS (LOW PRESS) LATENT HEAT RATIO            | PV            | TANK PLUG VALVE   | TST             | TWISTED SHIELDED PAIR TWISTED SHIELDED TRIAD                |              |   |       |           |
| COORD<br>COP | COORDINATE COEFFICIENT OF PERFORMANCE                                  | FPS<br>FR               | FEET PER SECOND<br>FLOOR REGISTER                        | LIN<br>LL         | LINEAR<br>LIVE LOAD                                   | PVC<br>QTY    | POLYVINYL CHLORIDE<br>QUANTITY                                      | TSTAT<br>TWAS   | THERMOSTAT THICKENED WASTE ACTIVATED SLUDGE                 |              |   |       |           |
| CORP<br>CP   | CORPORATION CORNER POINT   | FRP                     | FIBERGLASS REINFORCED PLASTIC OR PNL                     | LLH<br>LLV        | LONG LEG HORIZONTAL                                   | QIY           | QUANTITI  | TYP             | TYPICAL   |              |   |       |           |
| CPT<br>CPVC  | CONTROL POWER TRANSFORMER, CARPET                                      | FS<br>FT                | FLOOR STAND<br>FEET, FLOW TRANSMITTER                    | LONG              | LONG LEG VERTICAL<br>LONGITUDINAL                     |               |   | U               | HEAT TRANSFER COEFFICIENT                                   |              |   |       |           |
| CRS          | CHLORINATED POLYVINYL CHLORIDE COURSES                                 | FTG<br>FV               | FOOTING<br>FIELD VERIFY                                  | LOS<br>LP         | LOCKOUT STOP PUSH-BUTTON LOW POINT                    |               |   | UBC<br>UFC      | UNIFORM BUILDING CODE UNIFORM FIRE CODE                     |              |   |       |           |
| CT<br>CTRS   | CURRENT TRANSFORMER CENTERS  |                         |  | LPG<br>LRA        | LOW PRESSURE GAS<br>LOCKED ROTOR AMPS                 |               |   | UG<br>UGE       | UNDERGROUND UNDERGROUND ELECTRIC                            |              |   |       |           |
| CU<br>CU FT  | CONDENSING UNIT, COPPER<br>CUBIC FEET                                  |                         |  | LS                | LIMIT SWITCH, LIFT STA.                               |               |   | UGT             | UNDERGROUND TELEPHONE UNIT HEATER                           |              |   |       |           |
| CU IN        | CUBIC INCH   |                         |  | LT<br>LTG         | LEVEL TRANSDUCER<br>LIGHTING                          |               |   | UH<br>UMC       | UNIFORM MECHANICAL CODE                                     |              |   |       |           |
| CW<br>CWP    | CHILLED WATER CONDENSER WATER PUMP                                     |                         |  | LWT               | LEAVING WATER TEMPERATURE                             |               |   | UNO<br>UPC      | UNLESS NOTED OTHERWISE UNIFORM PLUMBING CODE                |              |   | FINAL | PLANS     |
| CY           | CUBIC YARD   |                         | <b>-</b>   |                   |   |               | 1   | UR              | URINAL  | I            |   |       |           |
| DRAWN B      |  | BAR IS<br>OFFIC         | S ONE INCH ON NO. DATE BY                                | REVISION D        | ESCRIPTION  |               | WEST  | INDIAN CREEK    | (PROJECT A)   | GENERA       | AL  |       | SHEET NO. |
| APPROVE      | D: KRB   | _ 0                     | OT ONE INCH,   |                   |   | reen.com      | CITY  | OF NEVADA IOWA  | -   |              |   |       | G002      |
|              | : 1/9/2024 10.51.11 AM<br>: J:\2019\191900\CAD - Indian Creek\Dwgs\G\G | _ ADJUST S<br>G002 ABBR | CALE ACCORDINGLY. EVIATIONS.dwg                          |                   | HRGreen   |               |   | A, IOWA         |   | I ADBRE      | EVIATIONS   |       |           |
| ×            |  |                         |  |                   |   |               |   |                 |   | 1,           |   | J     |           |

| ITEM NUMBER           | ITEM CODE        | BID ITEM  | QUANTITY | UNITS |
|-----------------------|------------------|---|----------|-------|
| DIVISION 1 - GENERAL  | •                |   |          |       |
| 1                     | 1070-206-A       | TEMPORARY TRAFFIC CONTROL   | 1        | LS    |
| DIVISION 2 - EXCAVAT  | ION              |   |          |       |
| 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 WOR  | K   |          |       |
| 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 WOR | RK AND LANDSCAPI | NG  |          |       |
| 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                    | 9040-108-0-2     | STABILIZED CONSTRUCTION ENTRANCE  | 367      | SY    |
| DIVISION 10 - DEMOLI  | TION             |   |          |       |
| 21                    | 10010-108-A-0    | REMOVAL OF EXISTING CROSSING STRUCTURE                                    | 1        | EA    |
| DIVISION 11 - MISCELL | ANEOUS           |   |          |       |
| 22                    | 11020-108-A-0    | MOBILIZATION  | 1        | LS    |
| 23                    | 11010-108-A-0    | CONSTRUCTION SURVEY   | 1        | LS    |
|                       |                  |   |          |       |

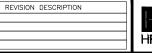
FINAL PLANS

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

 APPROVED:
 MRMI
 JOB NUMBER:
 191900.03
 0
 ■ ""

 CAD DATE:
 2/27/2025
 8:54:32
 AM
 ADJUST SCALE ACCORDINGLY.

 CAD FILE:
 J:\2019\191900\CAD - Indian
 Creek\Dwgs\G\G003
 QUANTITIES.dwg



NO. DATE BY



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

GENERAL QUANTITIES

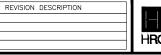
SHEET NO.

### ESTIMATE REFERENCE INFORMATION

|              |               | ESTIMATE REFERENCE INFORMATION   |
|--------------|---------------|--|
|              |               | ITEM DESCRIPTION   |
| DIVISION 1 - |               |  |
| 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 INORDER TO ALLOW FOR NORMAL USE OF ROADS IN ACCORDANCE WITH   |
|              |               | SUDAS  |
|              | 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, SHURBS, OR OTHER MATERIALS AND PLACEMENT OF BACKFILL IN AREA  |
|              |               | WHERE ROOTS HAVE BEEN REMOVED  |
|              |               | C. PROTECTION OF TREES AND SHURBS 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   |
|              |               | I AMP PAGE AS NECESSART TO COMMETE I THE PROJECT.  D. STUMPS AND ROOTBALLS LOCATED ON THE SLOPES SHALL NOT BE REMOVED. HERBICIDE SHALL BE APPLIED TO THE STUMPS.   |
|              |               | PROMILY 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   |
|              |               | I MINIMIZE DIOATION ENDOZDEL SONTACES AND INVENDAMING AND ENGLISH AND EAR-OSED. IMMINIMIZED AND ENTERPRISE 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  |
|              |               | A. TOPSOIL TO BE STRIPPED, SALVAGED, AND APPLIED (6 INCH MINIMUM) WITHIN NEVVLY 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  |
|              | 2040 400 5    | 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 O   |
|              |               | QUANTITY.  |
| 5            | 2010-108-E    | EXCAVATION, CLASS 10 RESPREAD OFF-SITE   |
|              |               | A EXCAVATION ESTIMATED AS FOLLOWS: CUT (FROM CAD) = 9,384 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 SOLL AT 445 11TH STREET. HOWEVER, IF ANY SOLL 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   |
| 6            | 2010-108-E    | TRANSFERRED TO ITEM 4.  EXCAVATION, CLASS 10 REUSE ON-SITE   |
|              | 2010 100 E    | 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 6,5456 = 8,715  |
|              |               | C. EXCAVATION QUANTITIES ESTIMATED COMPARING EXISTING SURFACE TO PROPOSED SURFACE AND A 1.35 FILL FACTOR   |
| NVISION 7 -  | STDEETS AND   | D. CONTRACTOR SHALL BE PAID THE PLAN QUANTITY  RELATED WORK  |
| 7            | 7030-108-A-2  |  |
|              | 1000 100 / 12 | A CONTRACTOR TO REMOVE THE MINIMUM AMOUNT OF TRAIL NECESSARY TO ACCESS THE PROJECT AND TO PROTECT THE TRAIL IN   |
|              |               | AREAS OUTSIDE OF THE CONTRUCTION 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   |
|              |               | ID 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  |
| 10           | 9010-108-B    | F. THIS INCLUDES BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL TEMPORARY HYDRAULIC SEEDING AND MBFM (SUDAS TYPE 4)   |
|              | 00 10 100 D   | A CONTRACTOR TO USE THE TYPE 4 MXTURE 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  |
|              |               | 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                            |
|              |               | F. THIS INCLUDES BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL   |

NO. DATE BY

| DRAWN BY: | KIN        | JOB DATE:       | 2025              | BAR IS ONE INCH ON OFFICIAL DRAWINGS.         |
|-----------|------------|-----------------|-------------------|---|
| APPROVED: | R.M.ÐI     | JOB NUMBER:     | 191900.03         | 0 TICIAE BIOAMINGS.                           |
| CAD DATE: | 3/10/2025  | 4:39:39 PM      |                   | IF NOT ONE INCH,<br>ADJUST SCALE ACCORDINGLY. |
| CAD FILE: | J:\2019\19 | 1900\CAD - Indi | an Creek\Dwgs\G\0 | 6004 ERI NOTES.dwg                            |



HRGreen.com HRGreen FINAL PLANS

ERI NOTES - ESTIMATE REFERENCE

G004

#### ESTIMATE DECEDENCE INCODMISTION

|             |               | ESTIMATE REFERENCE INFORMATION  |
|-------------|---------------|---|
|             |               | 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 |
|             |               | G. SEEDING TO BE COMPLETED IN THE APRIL 1 - JUNE 30 SEEDING WINDOW  |
|             |               | H. CONTRACTOR SHALL SUBMIT A LETTER OF CONFIRMATION OF SEED VARITIES 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 YELLLOW 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 ESTABLISHEMENT REPORT THAT INCLUDES MAINTENANCE ITEMS PERFORMED AND % COVERAGE  |
|             |               | B. SATISFACTORY ESTABLISMENT INCLUDES 70% COVERAGE AFTER 1 GROWING SEASON, 90% COVERAGE AFTER 2 GROWING<br>SEASONS, AND 95% COVERAGE AFTER 3 GROWING SEASONS C. YEAR 1 ESTABLISHMENT ITEMES INCUDE: MOWING "KNEE HIGH" (UNDER 4 FT) TO 6" THROUGHOUT JUNE, JULY, AND AUGUST, SPARING  |
|             |               | D. YEAR 2 ESTABLISHMENT ITEMS INCLUDE: MOWING TIME ONCE WEEDS ARE 3-4 FT TALL TO AND 8-12" HEIGT  |
|             |               | 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 SHAL NOT EXCEDE 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   |
| 15          | 9040-108-E    | IS ITEM INCLUDES FORMISHING ALL TOOLS, EQUIPMENT, DEBUT, AND WATERIALS NECESSART TO COMPLY WITH THE SWIFF AS INEEDED FOR THE PROJECT. THIS MAY INCLUDE, BUT IS NOT LIMITED TO , INSTALLATION OF SILT FENCE AROUND SOIL STOCKPILES AT RECP, TYPE 3B, NATURAL FIBER ONLY  |
|             |               | 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 WIT   |
|             |               | THE DETAIL AND PLAN VIEW LOCATION  B. NO PAYMENT OF THE ITEM ABOVE PLAN QUANTITY UNLESS PRE-APPROVED  |
| 20          | 9040-108-O-2  | C. FILTER FABRIC IS INCIDENTAL FOR ROCK USED FOR RIFFLES 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   |
|             | - 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 | - MISCELLANEO |   |
| 22          |               | 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   |

NO. DATE BY

| • |           |            |                |                    |   |
|---|-----------|------------|----------------|--------------------|---|
|   | DRAWN BY: | RICK       | JOB DATE:      | 2025               | BAR IS ONE INCH ON<br>OFFICIAL DRAWINGS.      |
|   | APPROVED: | RAM BI     | JOB NUMBER:    | 191900.03          | 0 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1        |
|   | CAD DATE: | 3/10/2025  | 4:39:39 PM     |                    | IF NOT ONE INCH,<br>ADJUST SCALE ACCORDINGLY. |
|   | CAD FILE: | J:\2019\19 | 1900\CAD - Ind | ian Creek\Dwgs\G\G |   |
| ľ |           |            |                |                    |   |



REVISION DESCRIPTION

HRGreen.com

FINAL PLANS

ERI NOTES - ESTIMATE REFERENCE

G005

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



| 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 |  |

1 CONTROL PLAN SCALE:





FINAL PLANS

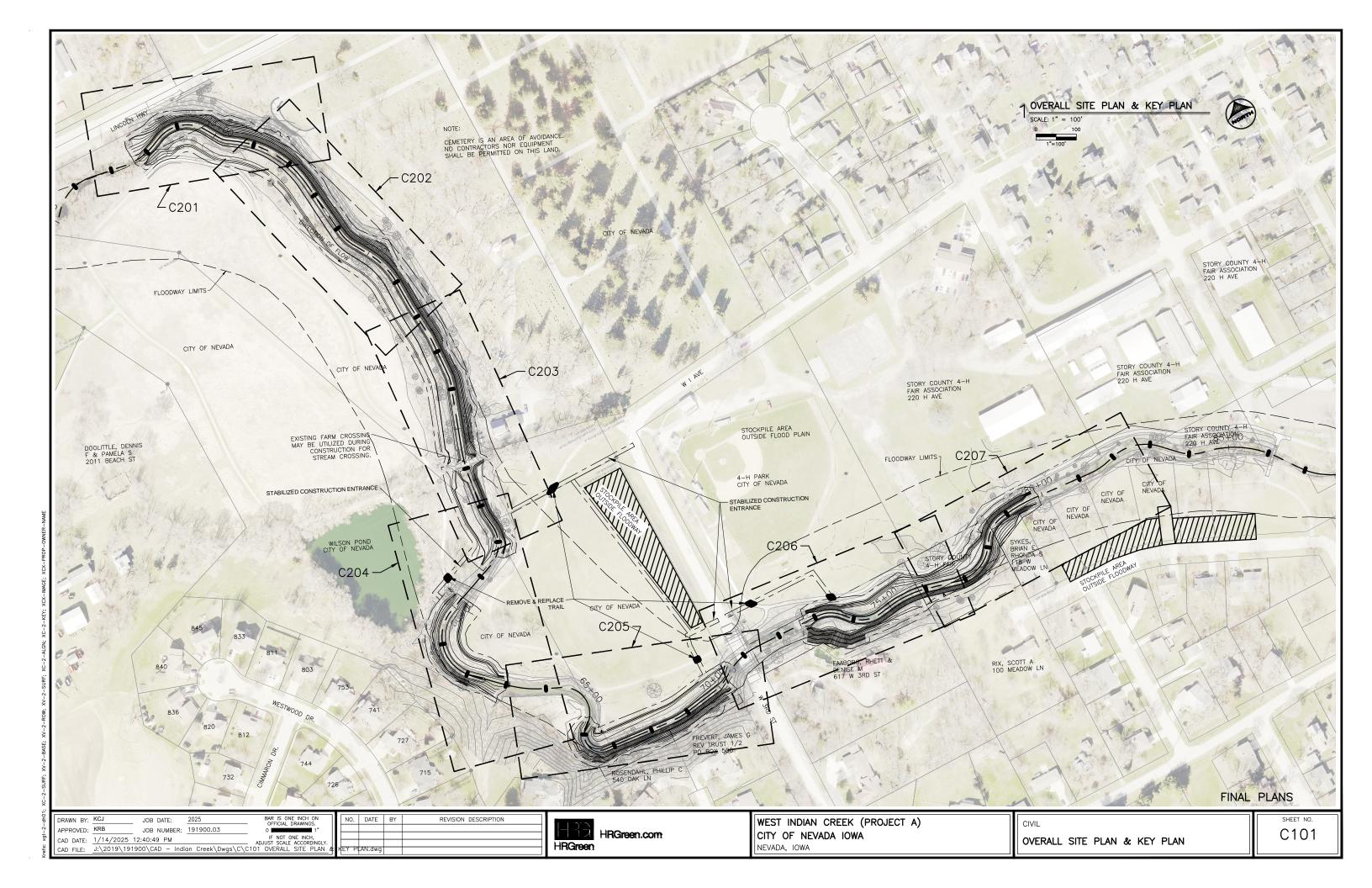
REVISION DESCRIPTION

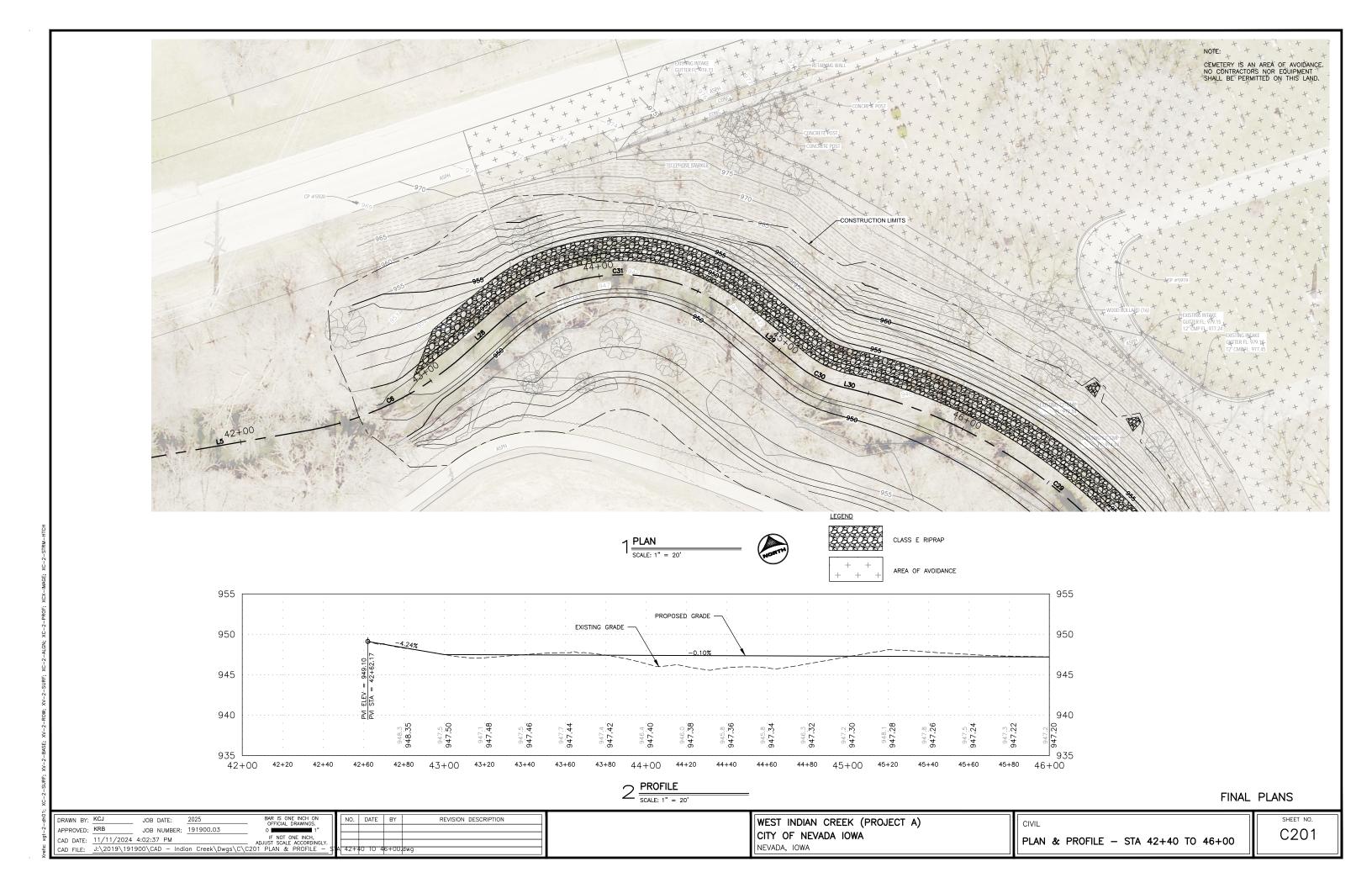


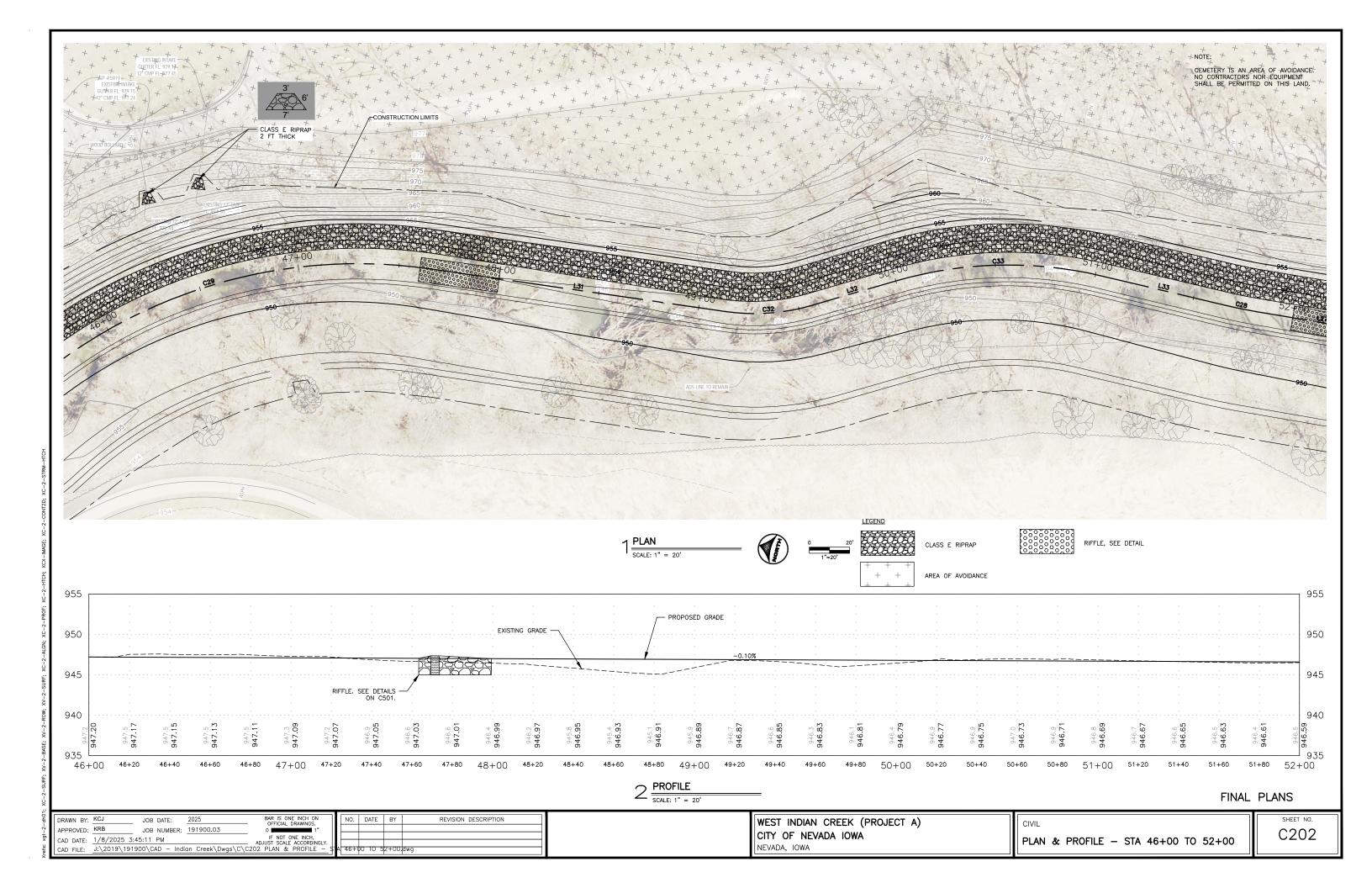
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

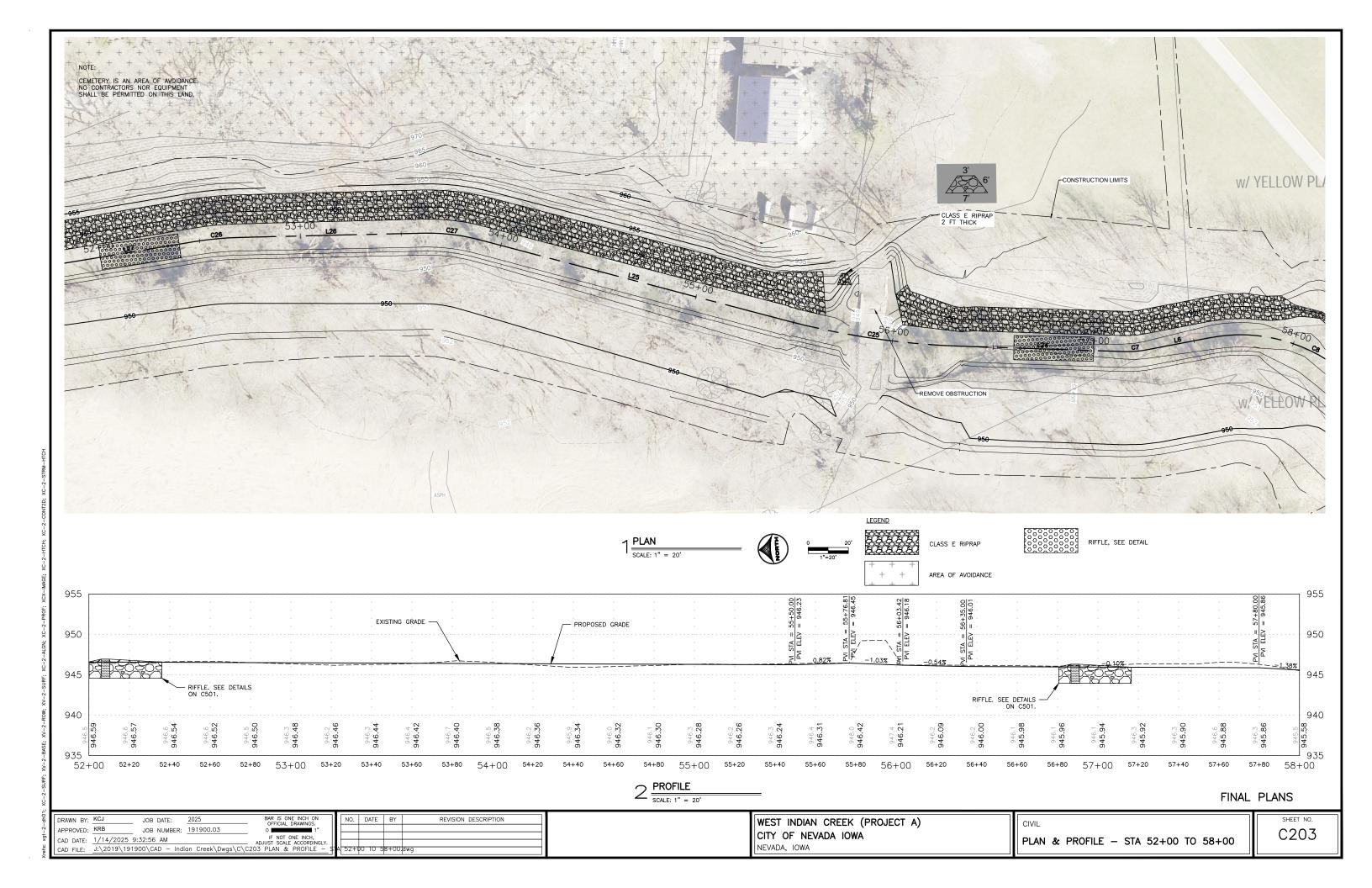
SURVEY & MAPPING
SURVEY CONTROL

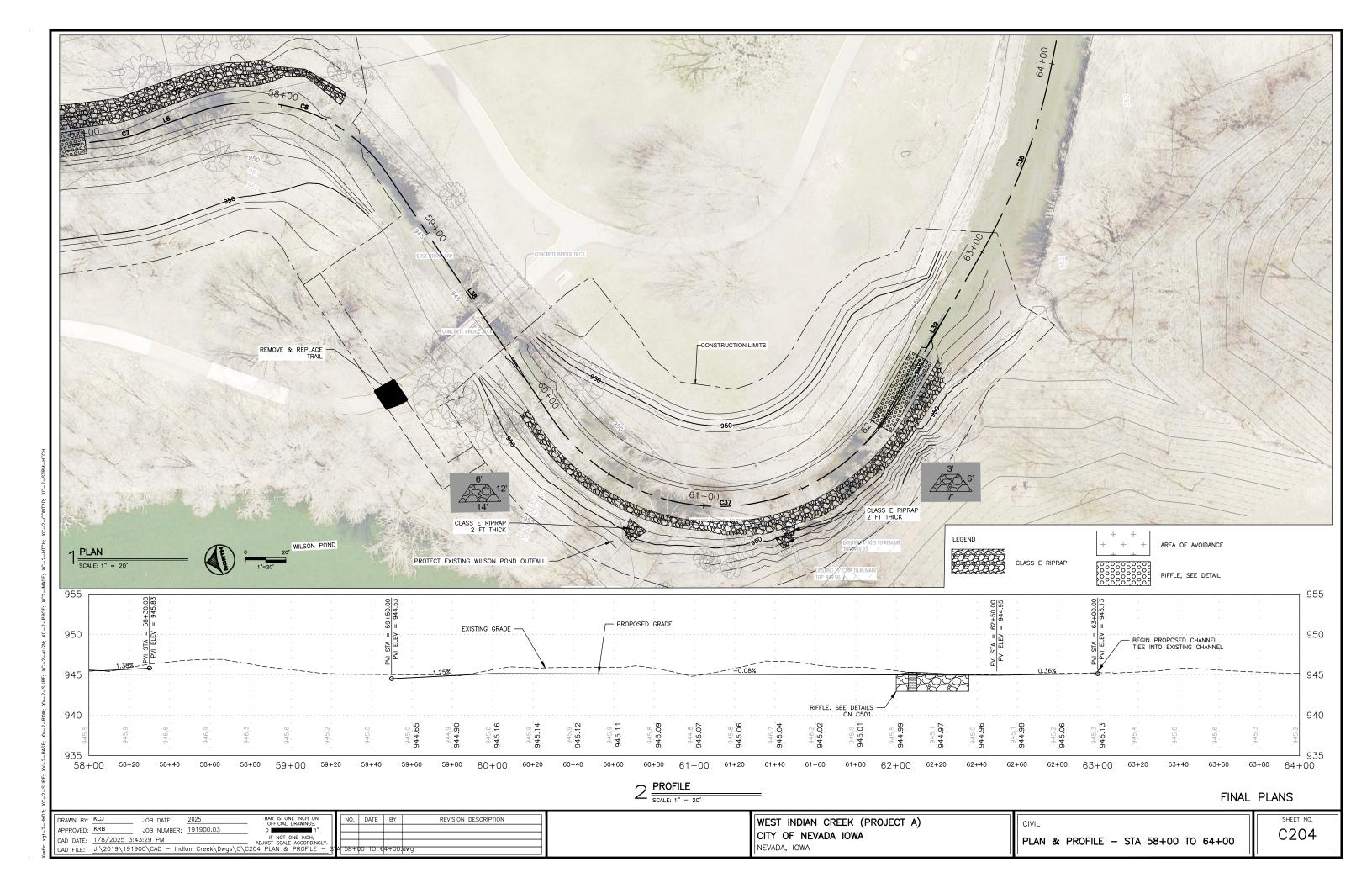
SHEET NO.

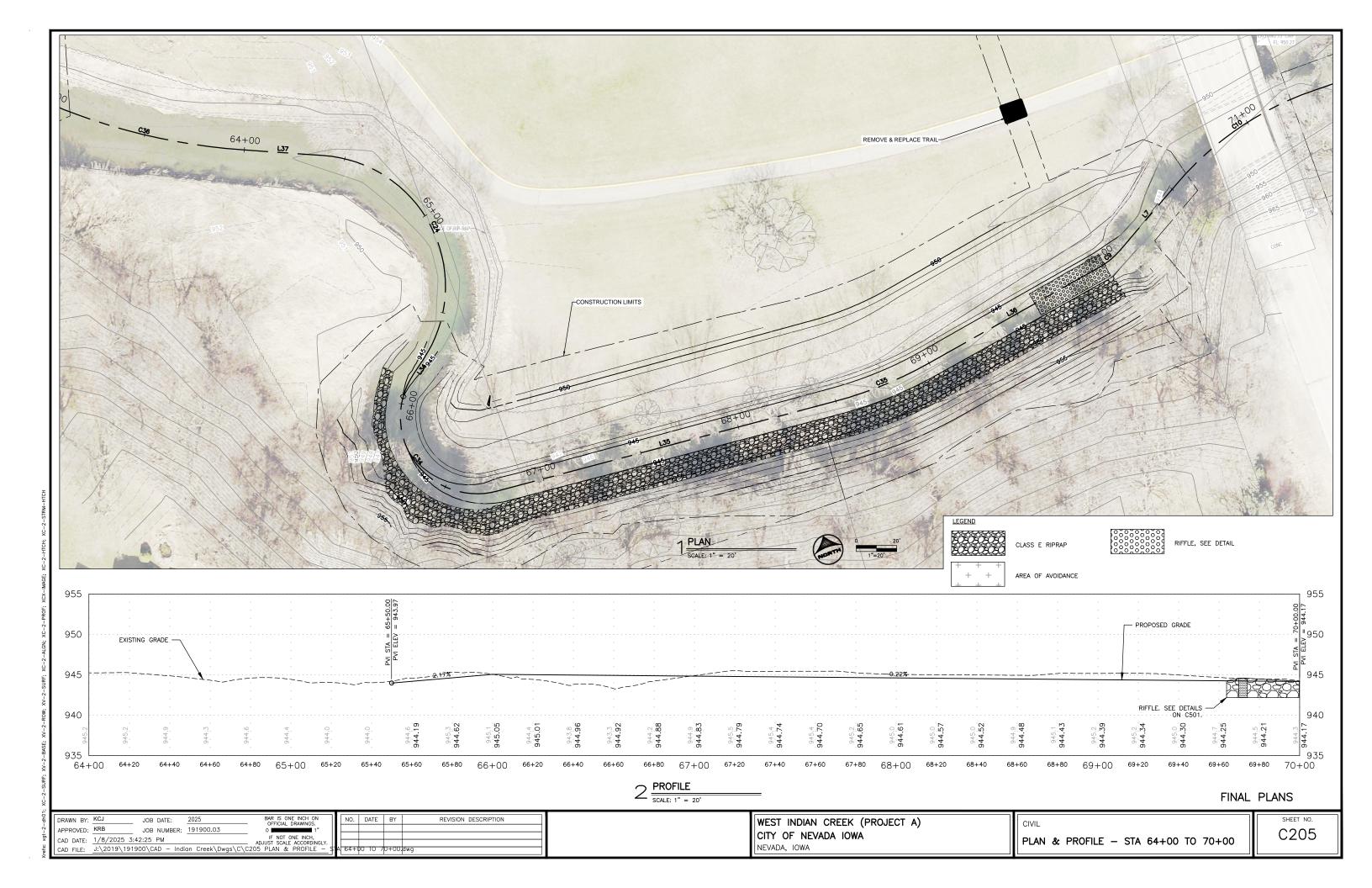


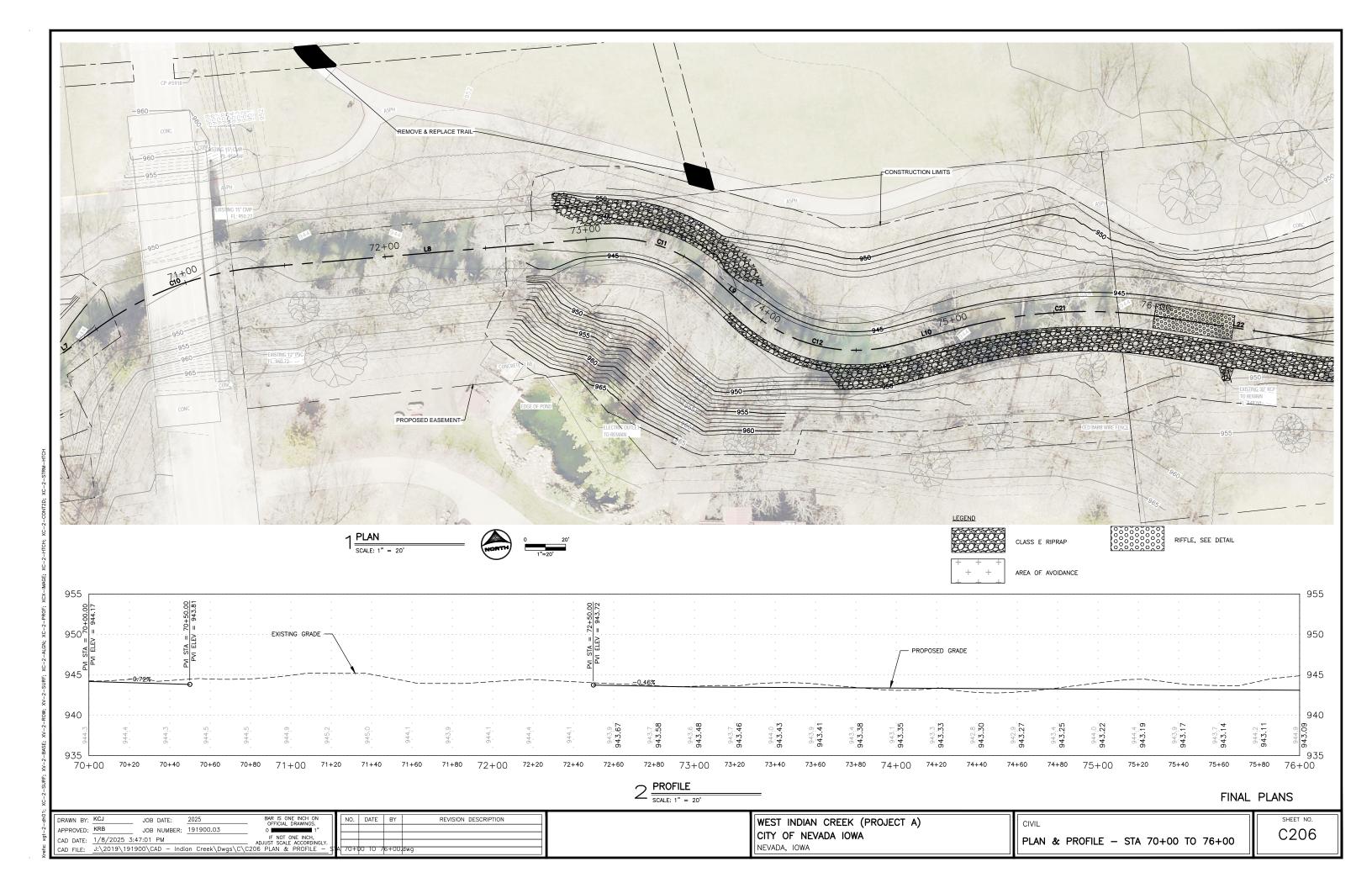


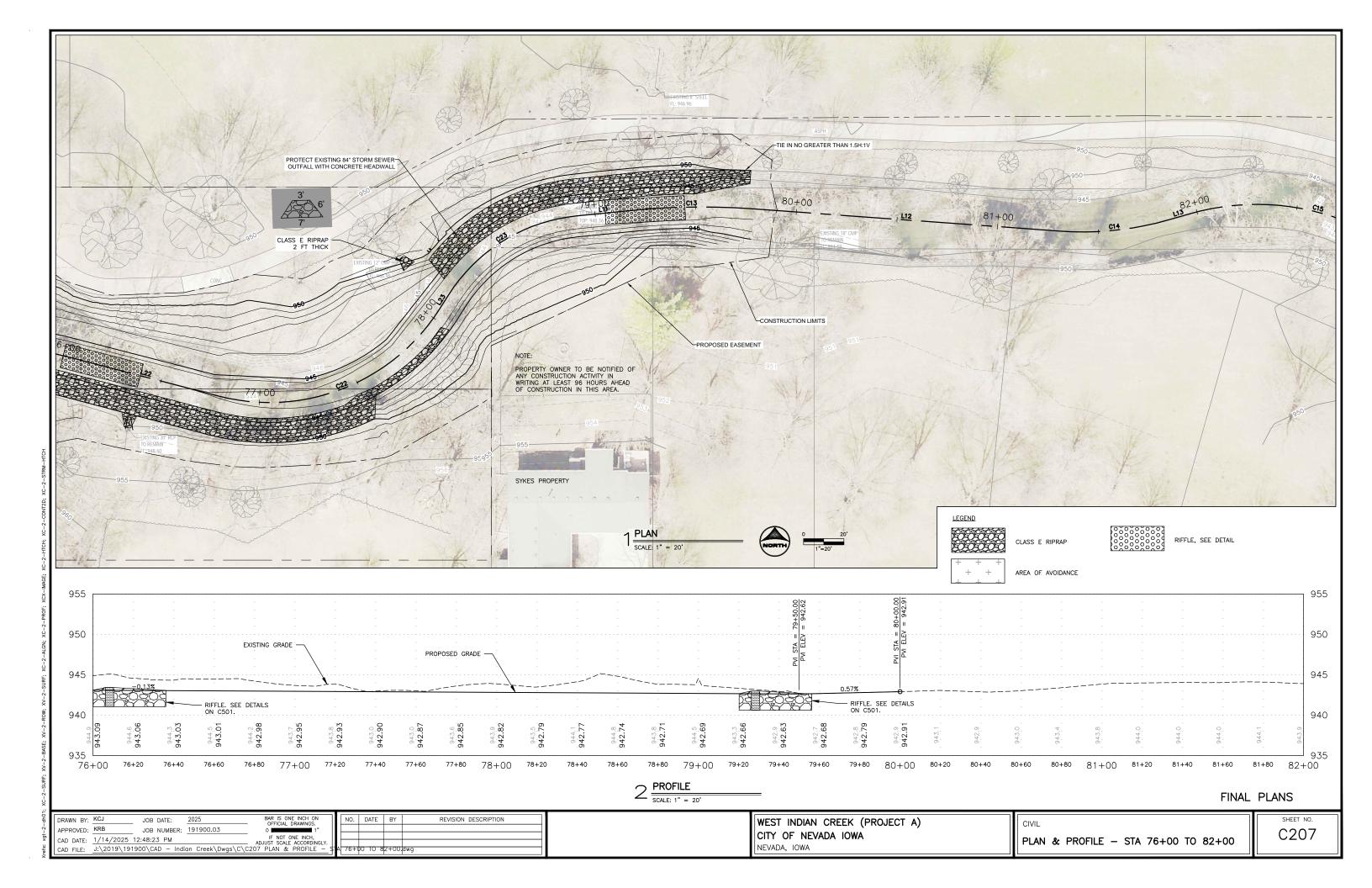














 DRAWN BY:
 KCJ
 JOB DATE:
 2025
 BAR IS ONE INCH ON OFFICIAL DRAWINGS.

 APPROVED:
 KRB
 JOB NUMBER:
 191900.03
 0
 ■ IF NOT ONE INCH,

 CAD DATE:
 11/11/2024
 5:02:29 PM
 IF NOT ONE INCH,

 CAD FILE:
 J:\2019\191900\CAD - Indian Creek\Dwgs\C\C208 PERMANENT SEEDING.

NO. DATE BY REVISION DESCRIPTION

LAN.dwg

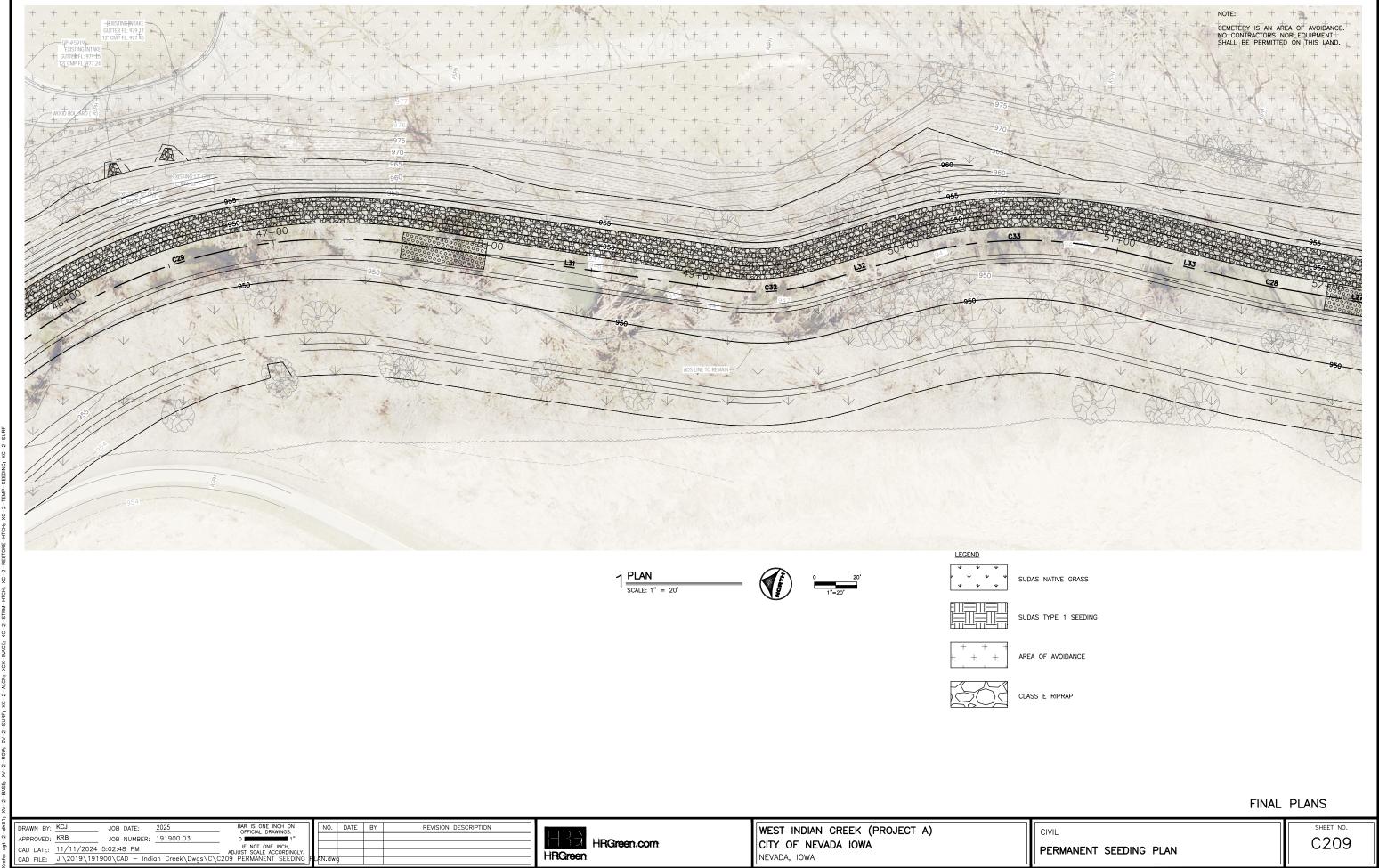
HRGreen.com

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

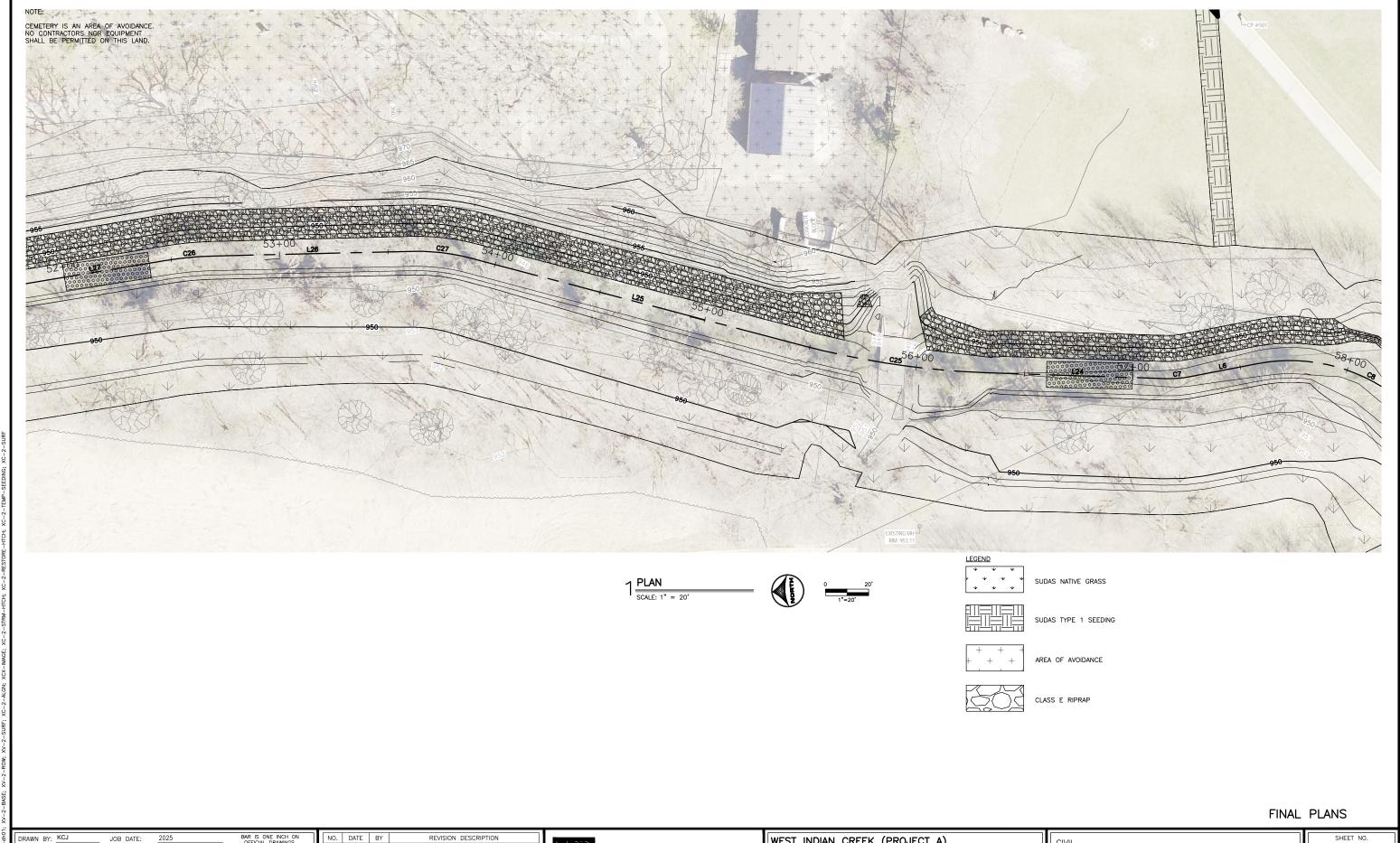
CIVIL

PERMANENT SEEDING PLAN

SHEET NO. C208



HRGreen



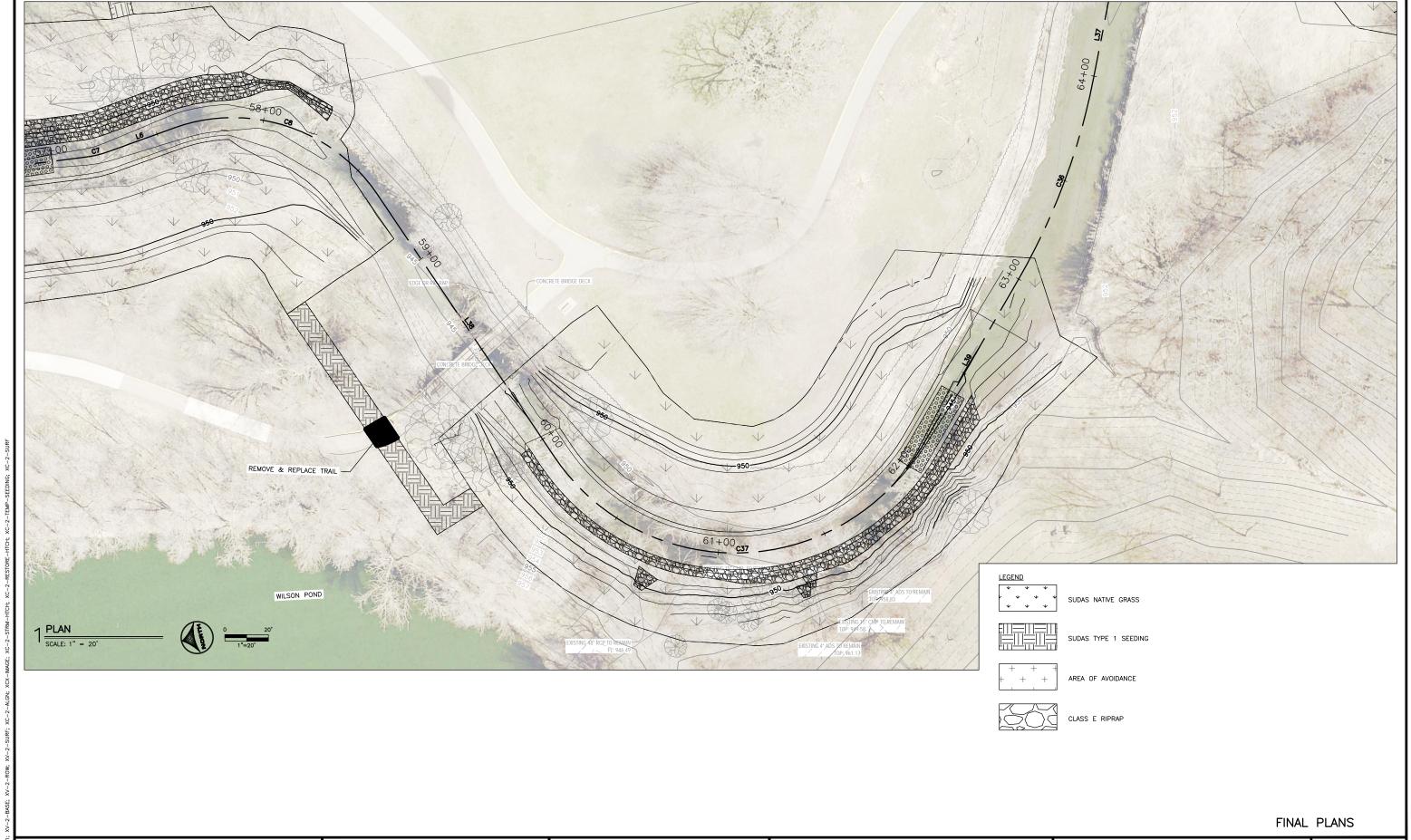
REVISION DESCRIPTION

HRGreen.com
HRGreen

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

CIVIL

PERMANENT SEEDING PLAN



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

 APPROVED:
 KRB
 JOB NUMBER:
 191900.03
 0 ■ 1"

 CAD DATE:
 11/11/2024
 5:05:22 PM
 IF NOT ONE INCH, INCHAINST SEDING!

 CAD FILE:
 J:\2019\191900\CAD - Indian
 Creek\Dwgs\C\C211
 PERMANENT SEDING!

REVISION DESCRIPTION

HRGreen

HRGreen.com

NO. DATE BY

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

CIVIL

PERMANENT SEEDING PLAN

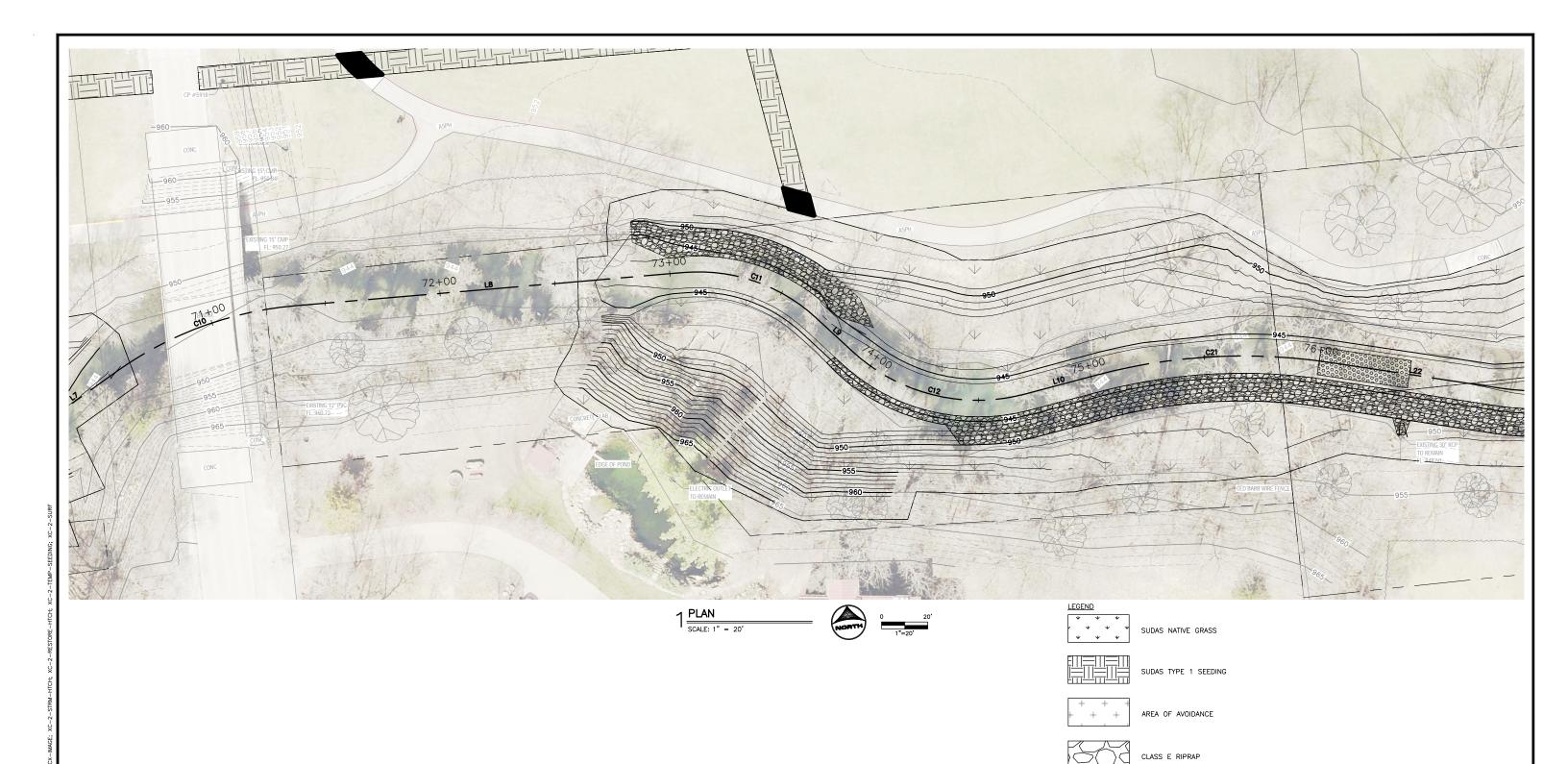


HRGreen.com

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

CIVIL

PERMANENT SEEDING PLAN



FINAL PLANS

NO. DATE BY REVISION DESCRIPTION APPROVED: KRB JOB NUMBER: 191900.03 OFFICIAL DRAWINGS.

CAD DATE: 11/11/2024 5:07:55 PM ADJUST SCALE ACCORDINGLY.

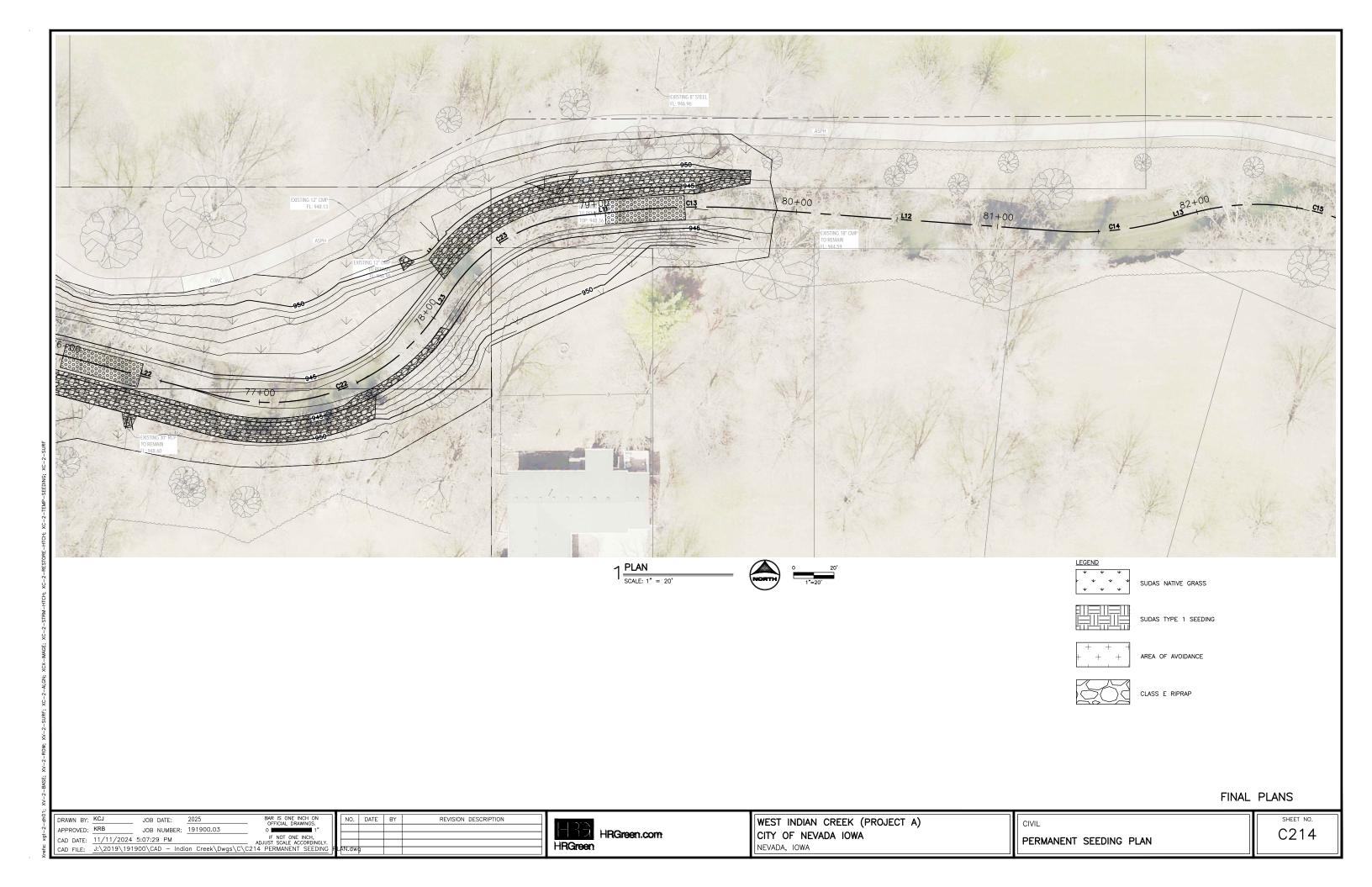
CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\213 PERMANENT SEEDING

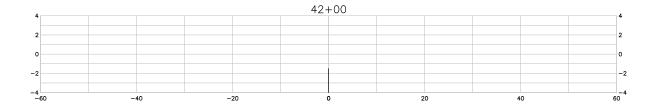
DRAWN BY: KCJ

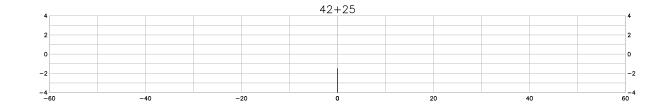


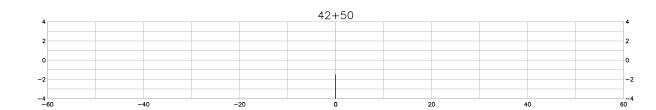
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

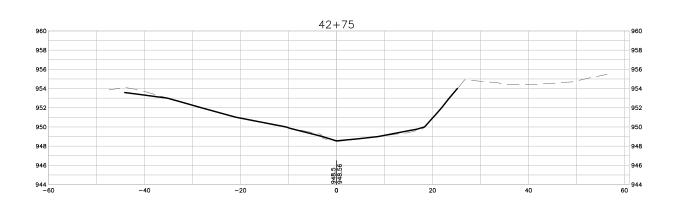
PERMANENT SEEDING PLAN

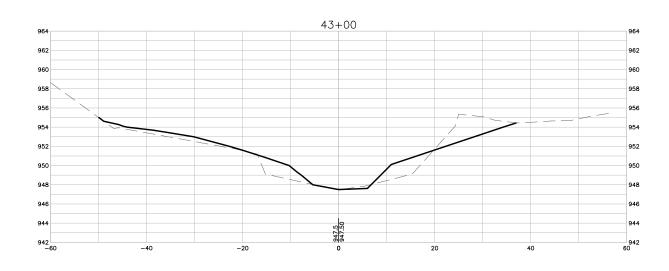


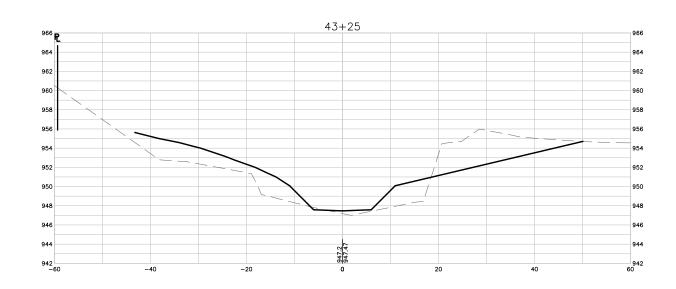












1 CROSS SECTIONS

SCALE: 1" = 10'

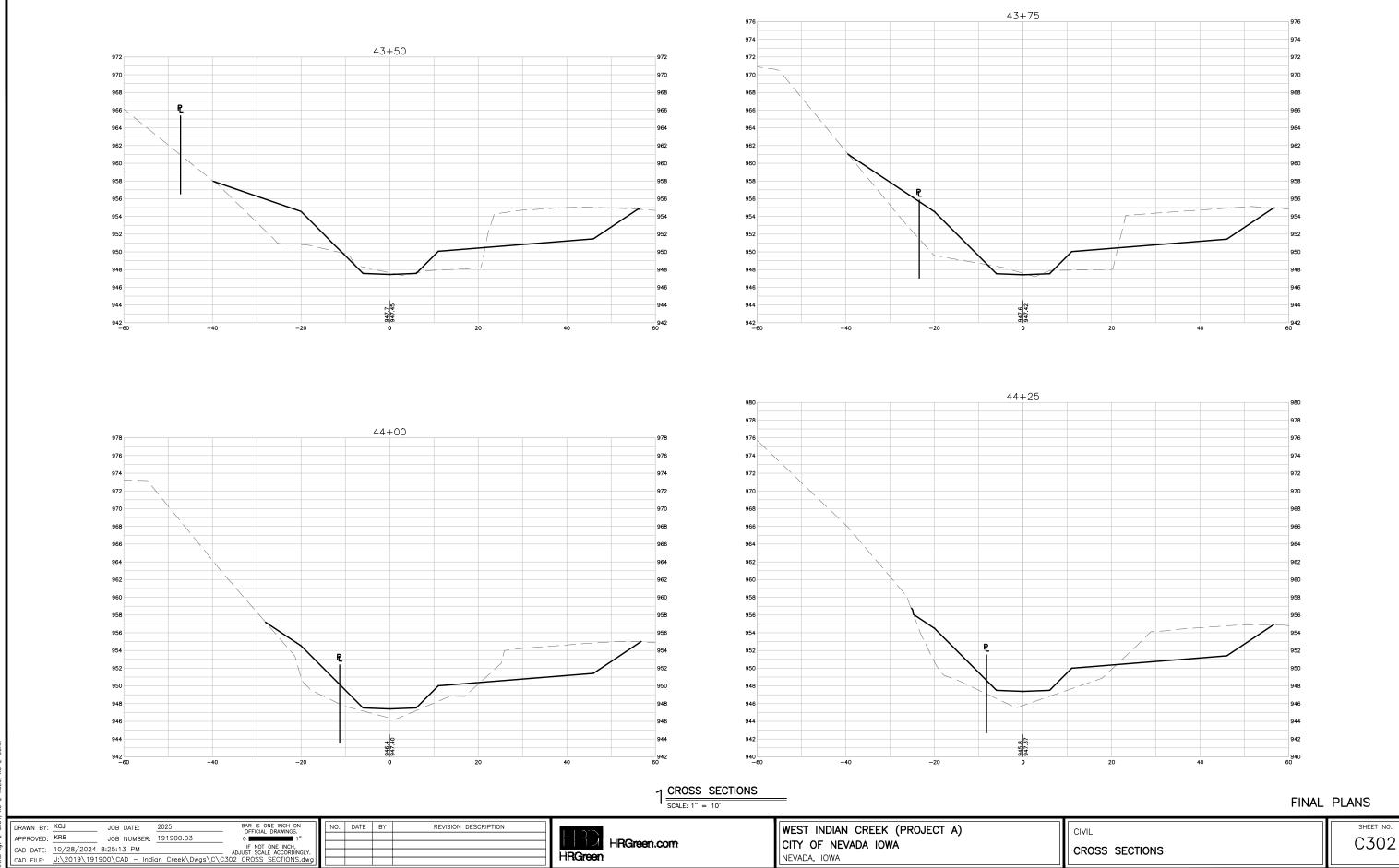
FINAL PLANS

NO. DATE BY REVISION DESCRIPTION



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

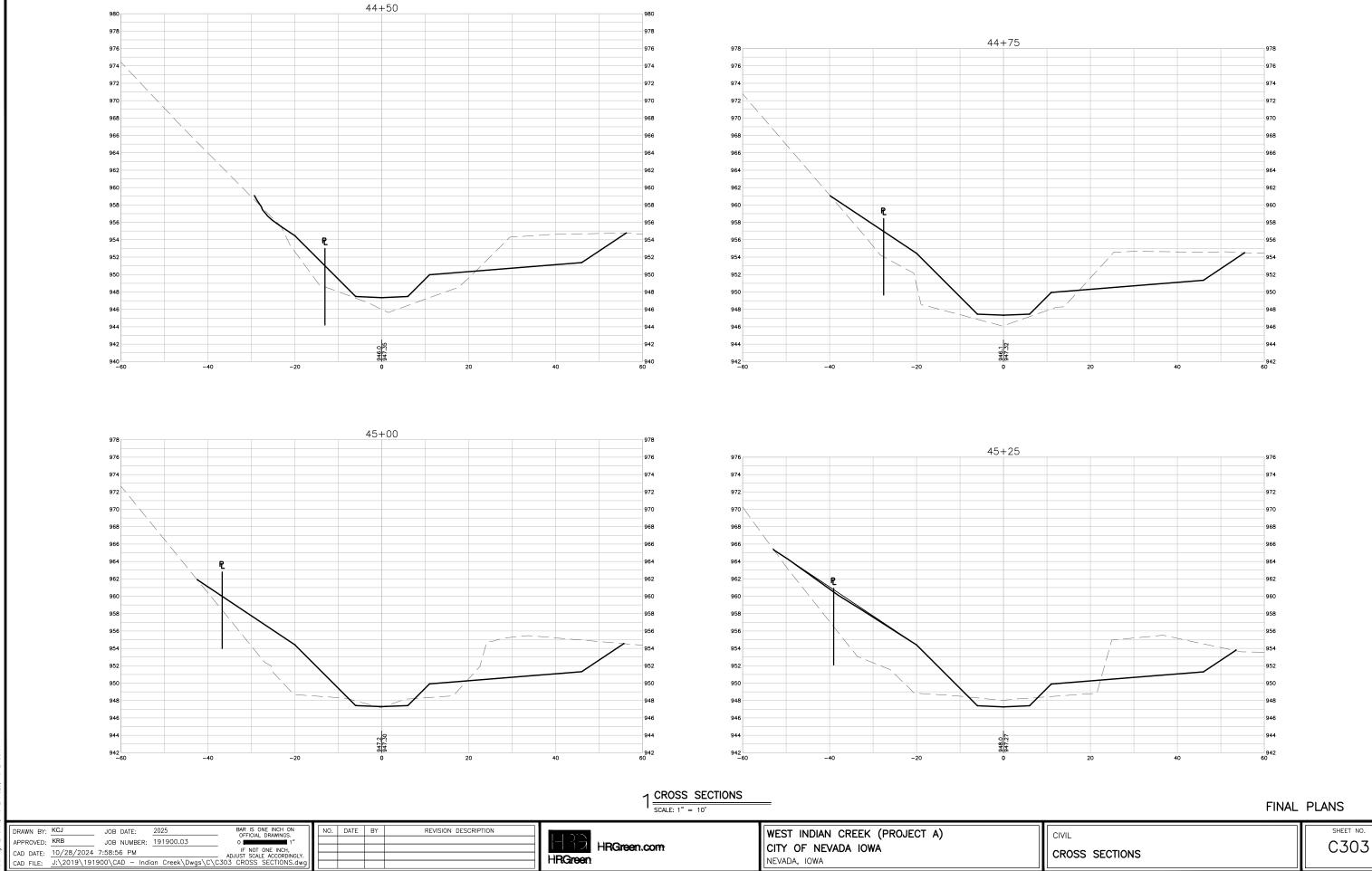
CIVIL CROSS SECTIONS



NEVADA, IOWA

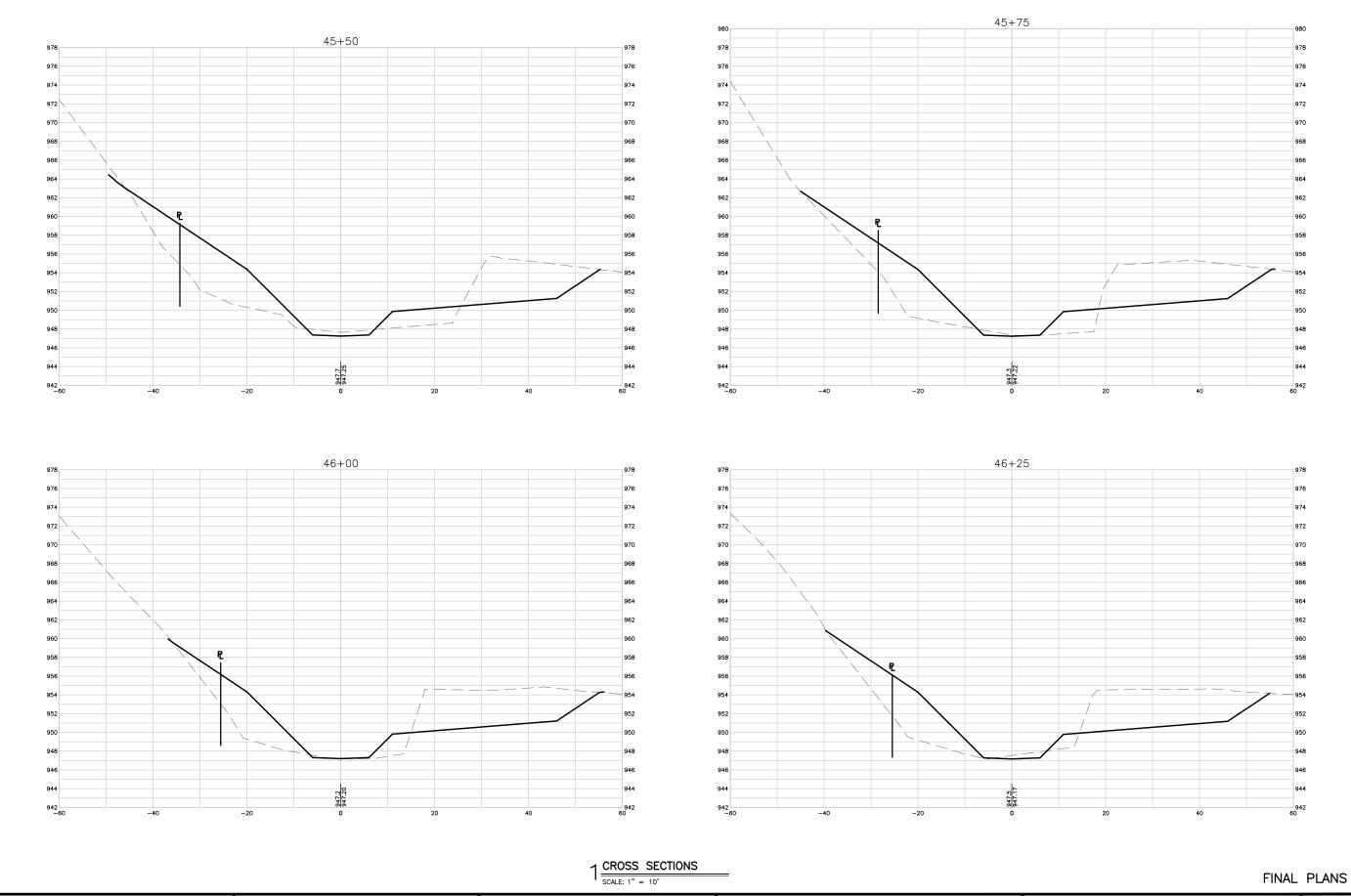
HRGreen

CROSS SECTIONS



NEVADA, IOWA

HRGreen



Xrefs: xgt-2-dh01; XC-2-XSEC; XC-2-

HRGreen.com

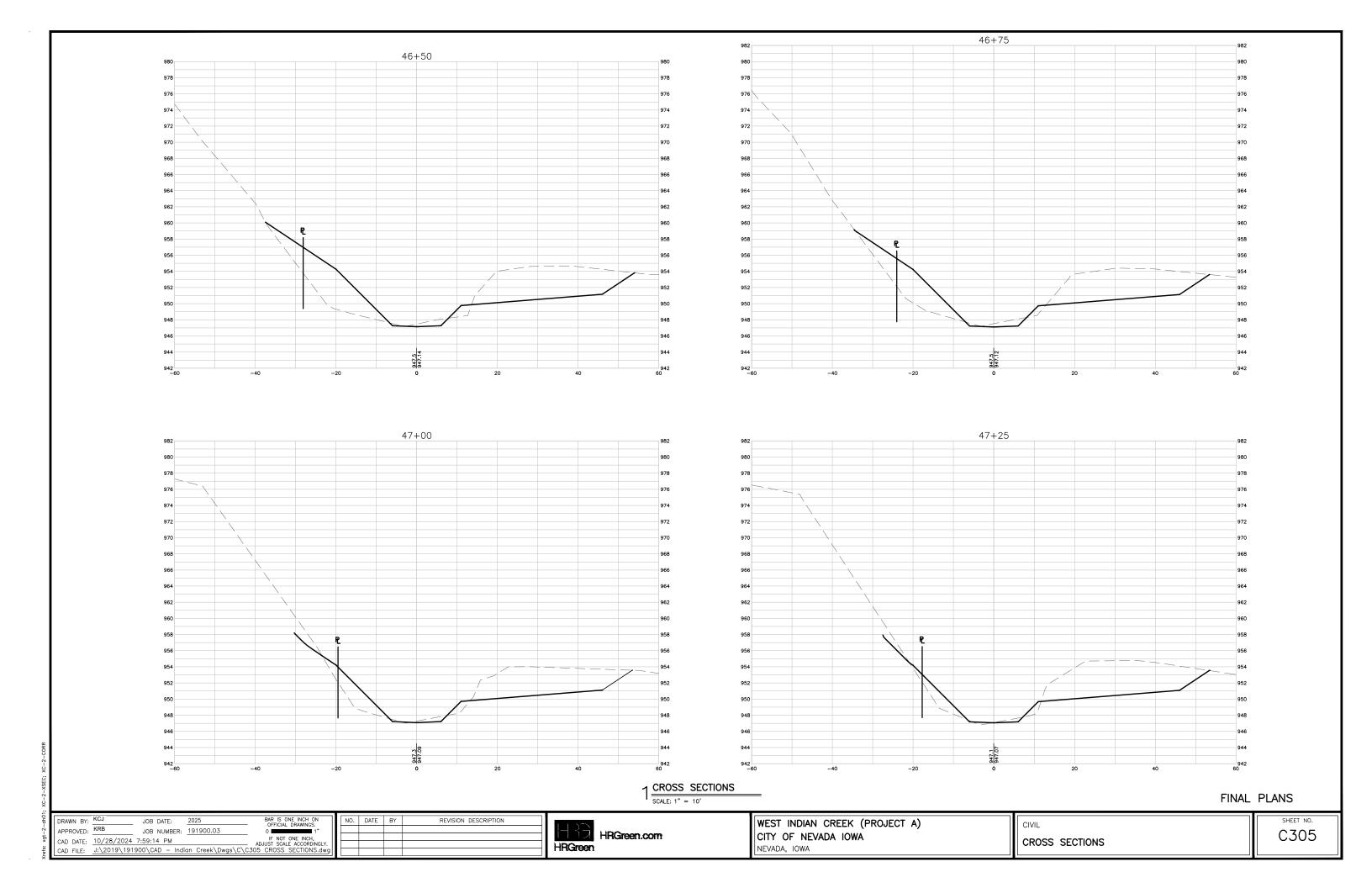
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

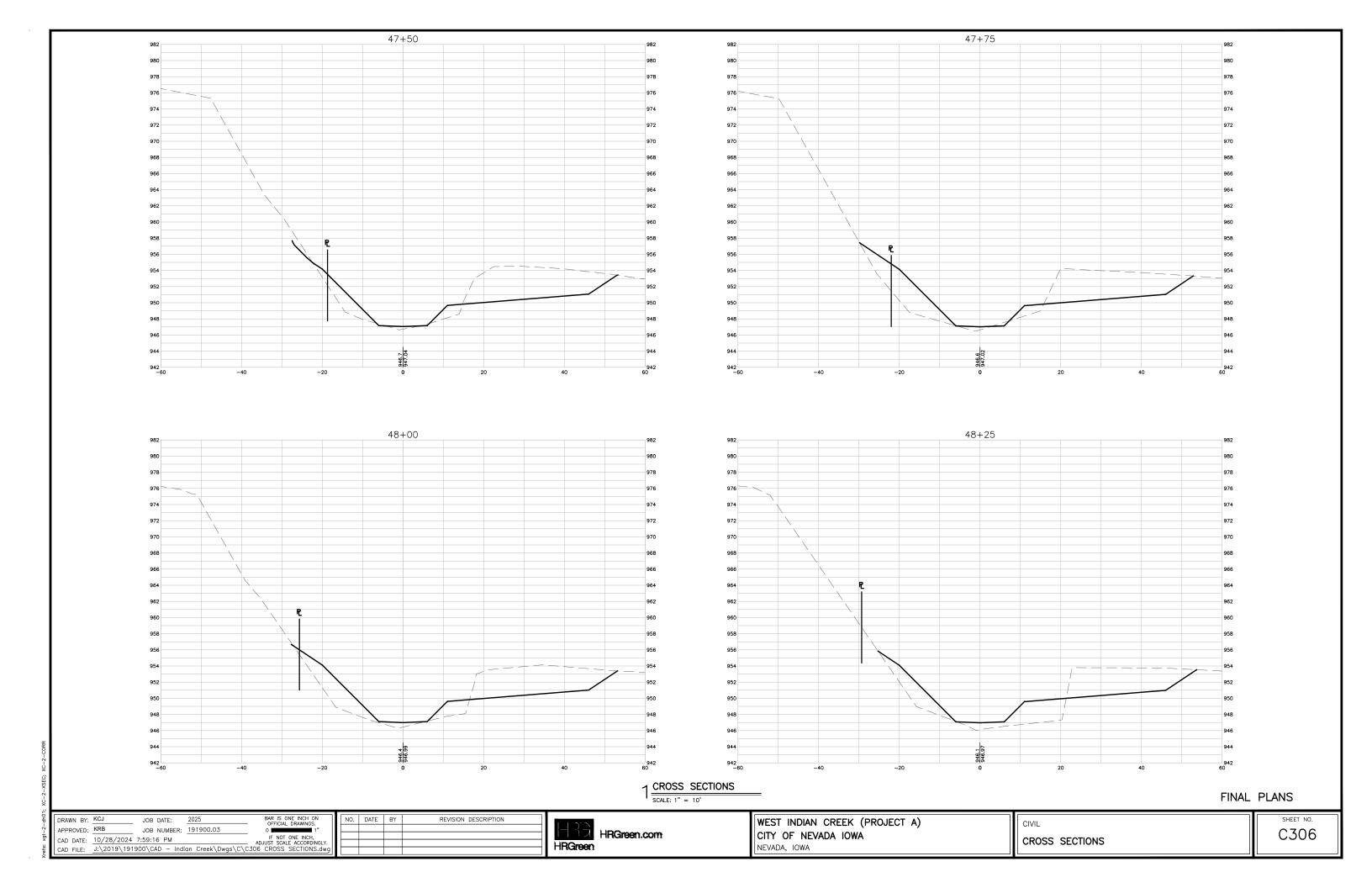
CROSS SECTIONS

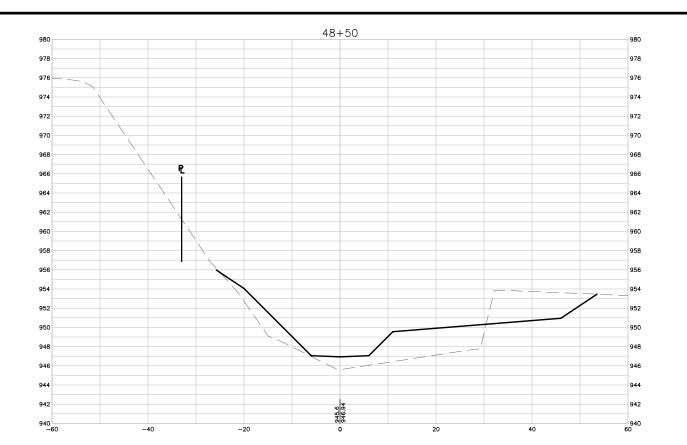
CREEK (PROJECT A)

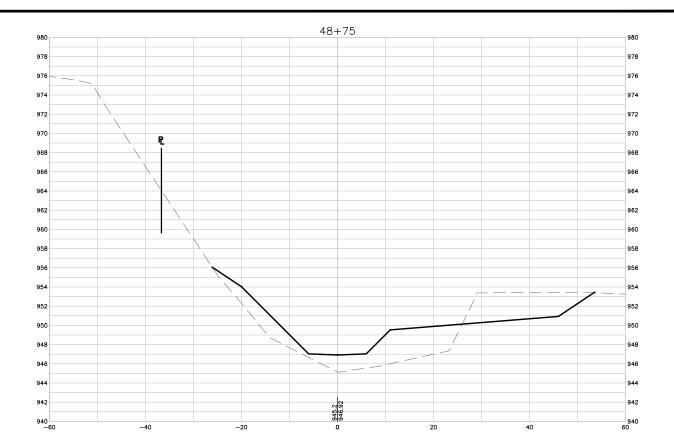
OA IOWA

CROSS









 $1 \frac{\text{CROSS SECTIONS}}{\text{SCALE: 1"} = 10'}$ 

HRGreen.com

HRGreen

CIVIL

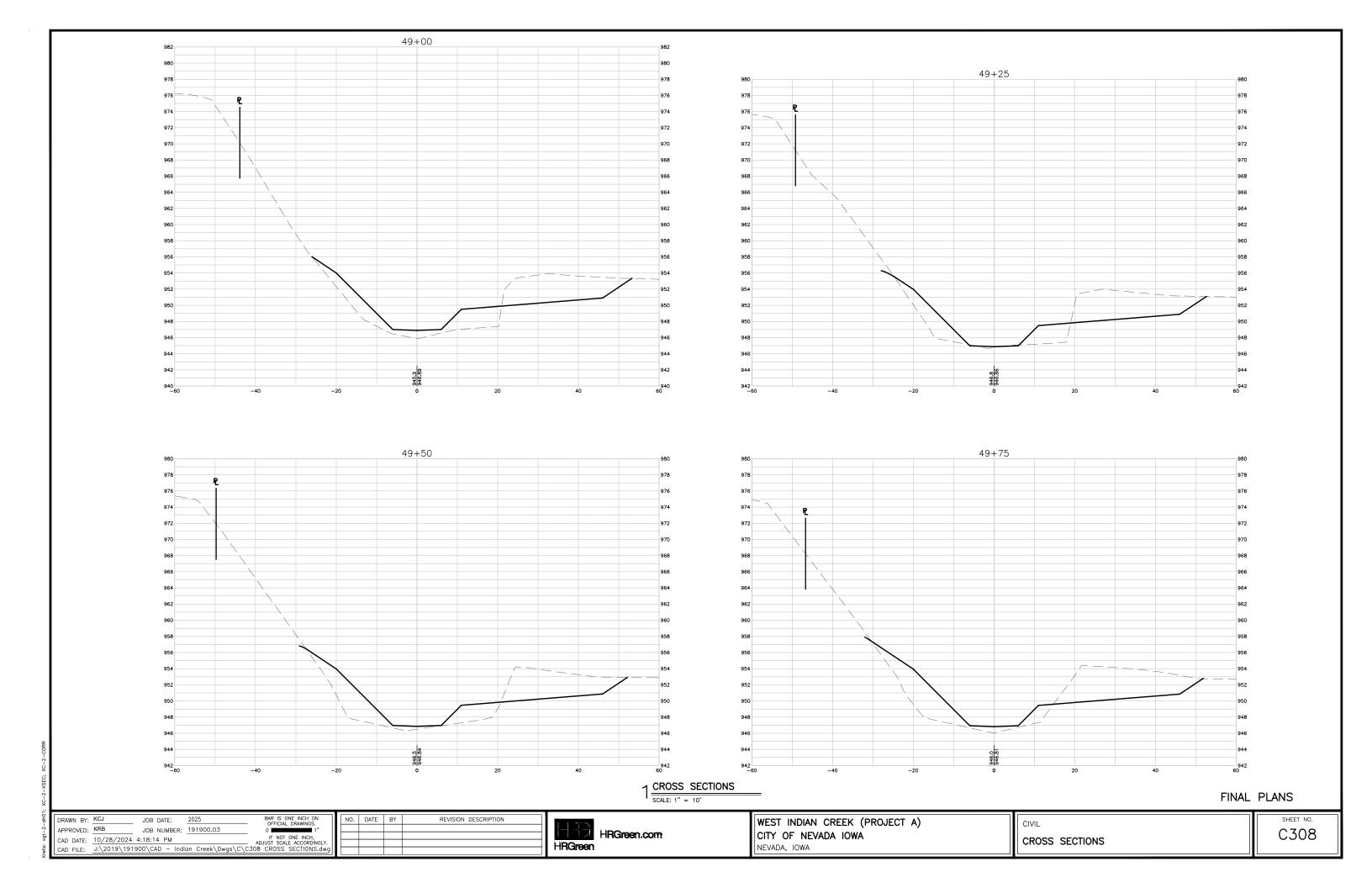
CROSS SECTIONS

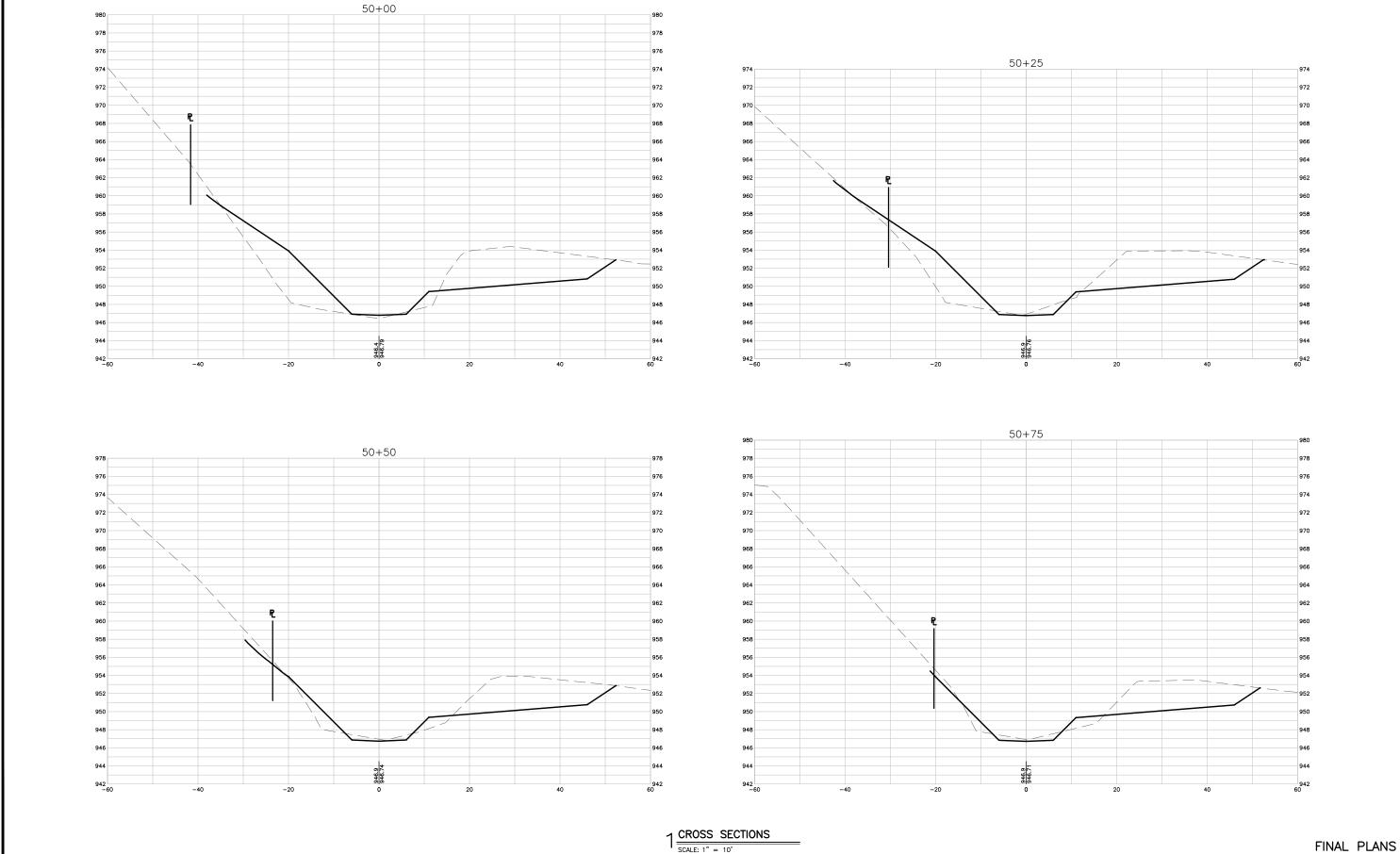
SHEET NO. C307

FINAL PLANS

| DRAWN BY: | KCJ         | JOB DATE:      | 2025              | BAR IS ONE INCH ON<br>OFFICIAL DRAWINGS.     |
|-----------|-------------|----------------|-------------------|--|
| APPROVED: | KRB         | JOB NUMBER:    | 191900.03         | 0 IIII 1"                                    |
| CAD DATE: | 10/28/2024  | 7:54:42 PM     |                   | IF NOT ONE INCH, - ADJUST SCALE ACCORDINGLY. |
| CAD FILE: | J:\2019\191 | 900∖CAD - Indi | an Creek\Dwgs\C\( | C307 CROSS SECTIONS.dwg                      |

| П | NO. | DATE | BY | REVISION DESCRIPTION |
|---|-----|------|----|----------------------|
| Ш |     |      |    |                      |
| Ш |     |      |    |                      |
| Ш |     |      |    |                      |
| Ш |     |      |    |                      |
| Ц |     |      |    |                      |





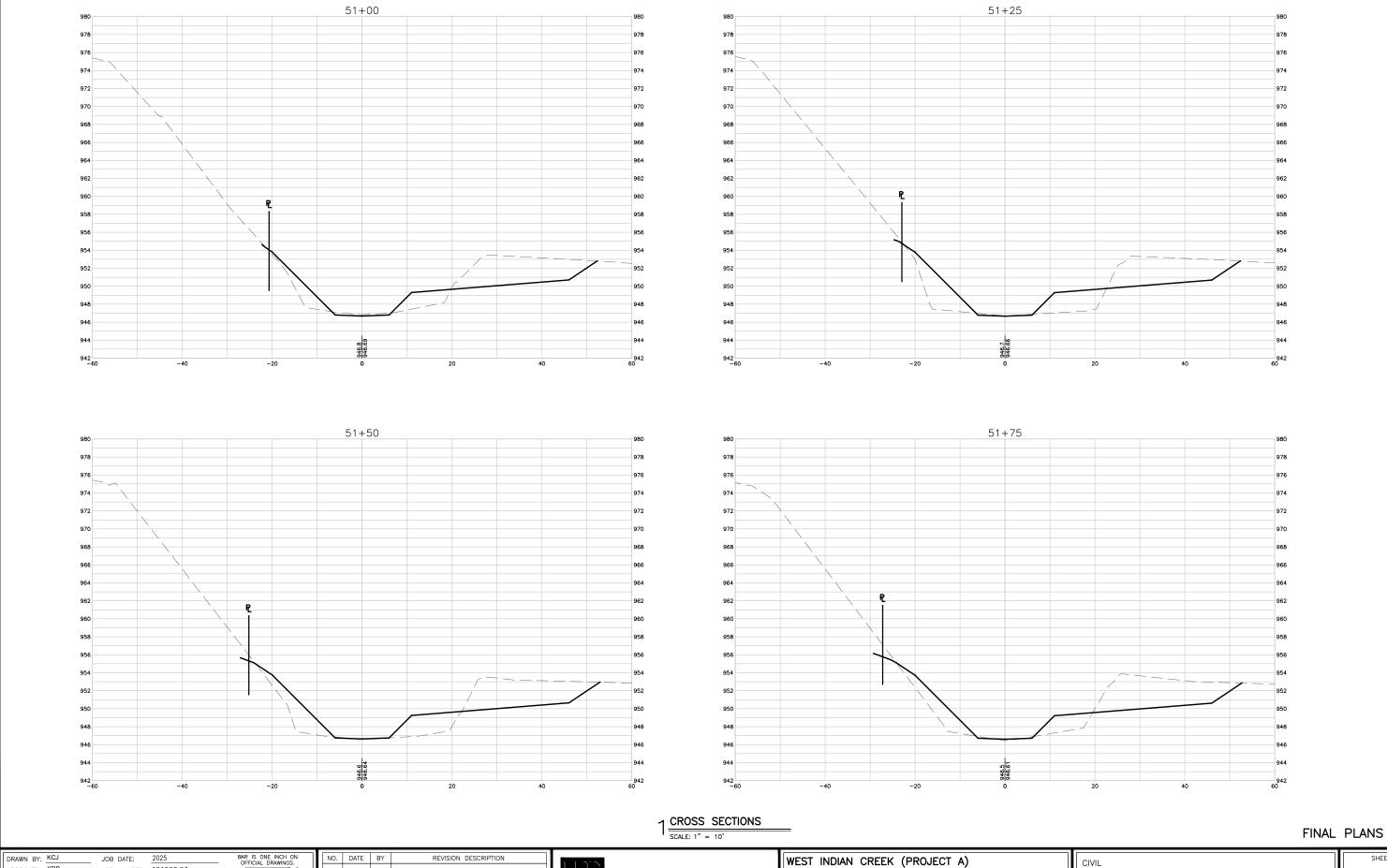
NO. DATE BY REVISION DESCRIPTION

HRGreen.com HRGreen

CITY OF NEVADA IOWA NEVADA, IOWA

CIVIL CROSS SECTIONS

WEST INDIAN CREEK (PROJECT A)



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

 APPROVED:
 KRB
 JOB NUMBER:
 191900.03
 ■ ■ 1"

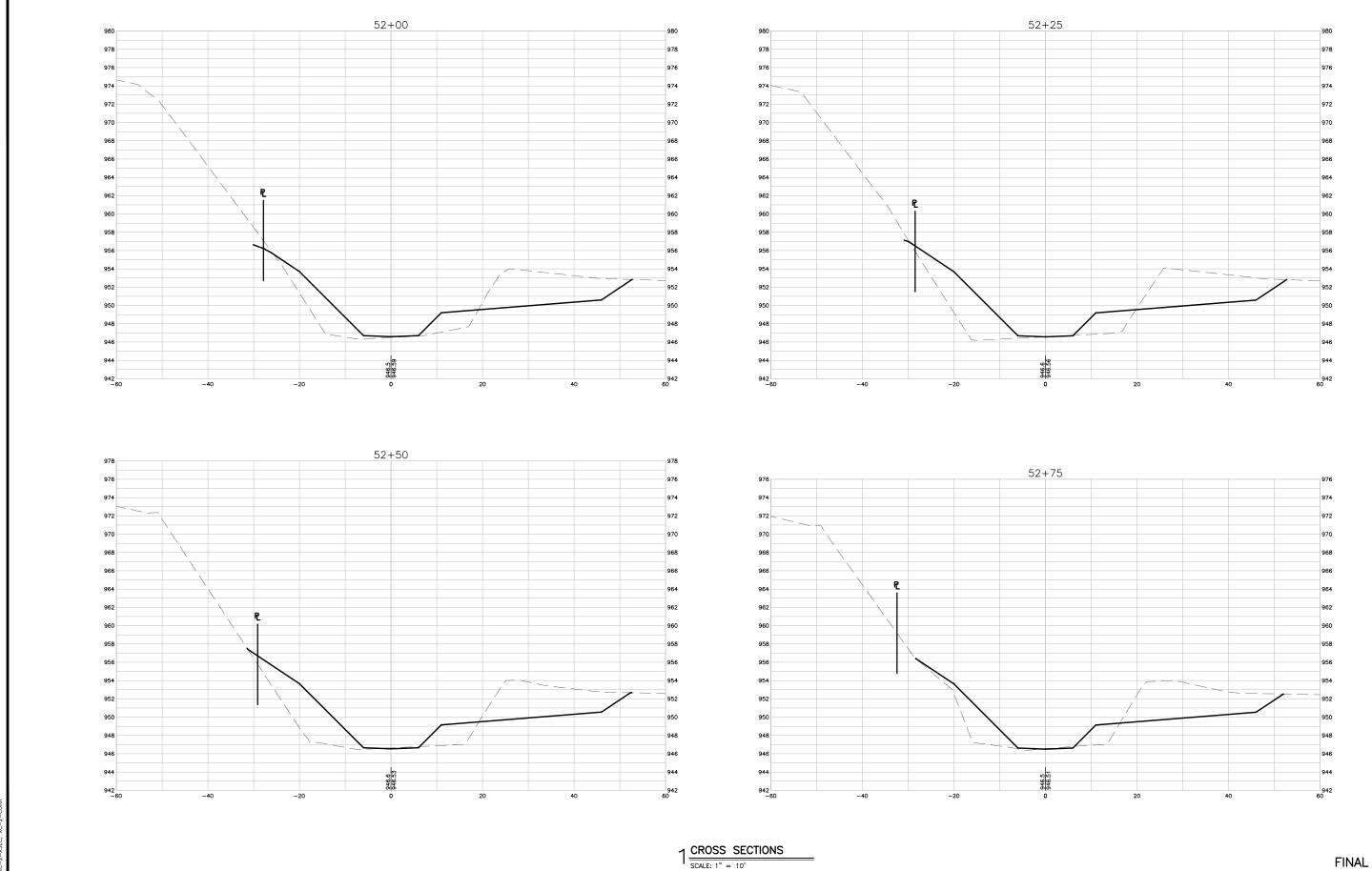
 CAD DATE:
 10/28/2024
 4:38:49
 PM
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

 CAD FILE:
 J:\2019\191900.CAD 9 | 0.000
 I old or ceek\Dwgs\C\C310
 CROSS SECTIONS.dwg

HRGreen.com HRGreen

CITY OF NEVADA IOWA NEVADA, IOWA

CROSS SECTIONS



NO. DATE BY REVISION DESCRIPTION

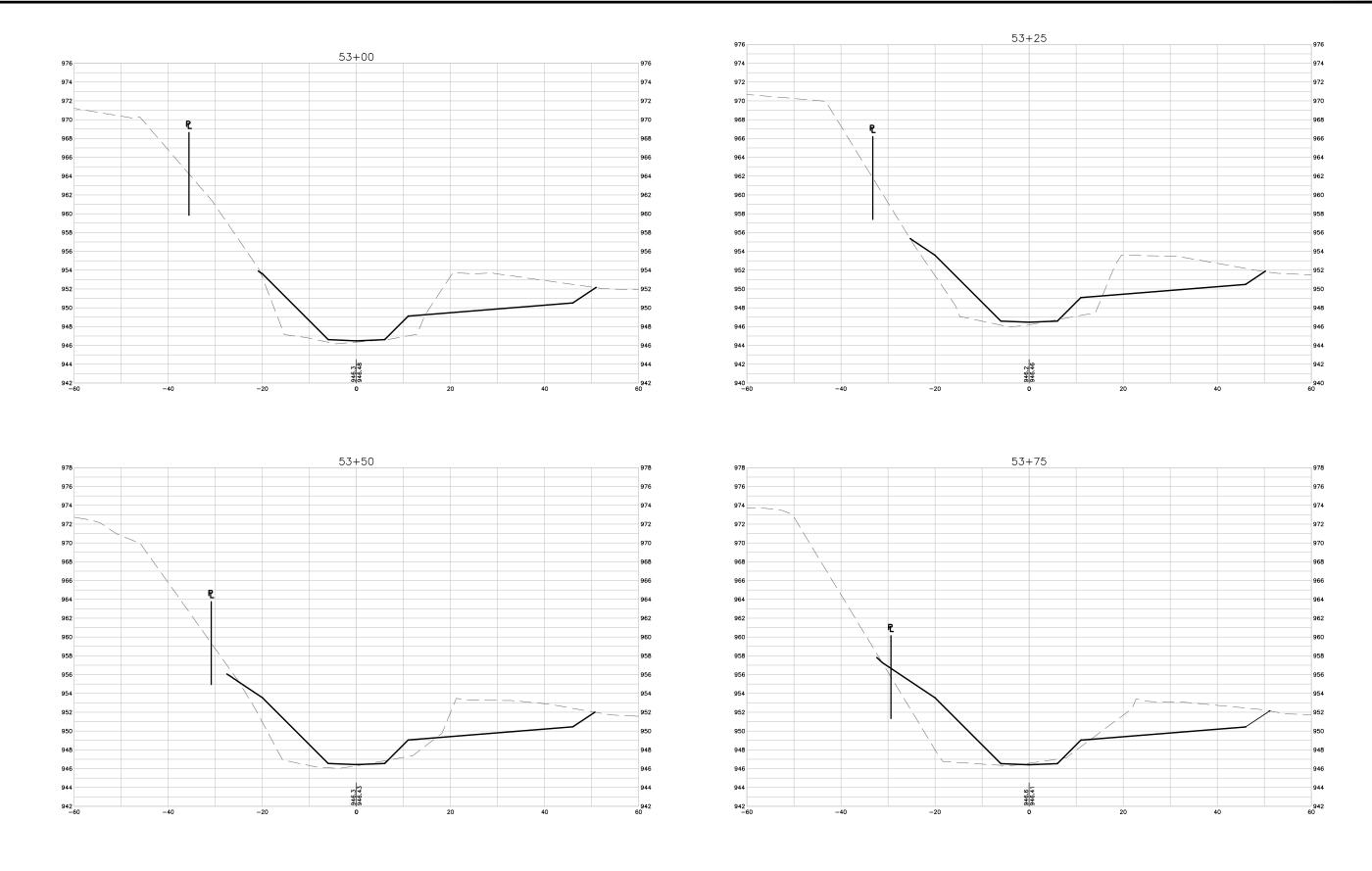
HRGreen.com

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

CROSS SECTIONS

SHEET

FINAL PLANS



T CROSS SECTIONS

SCALE: 1" = 10'

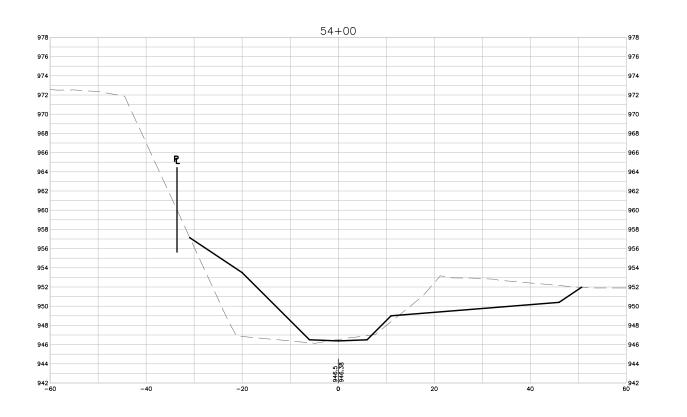
FINAL PLANS

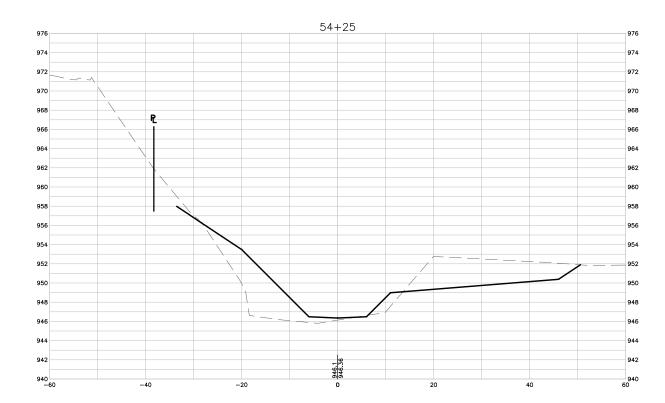
NO. DATE BY REVISION DESCRIPTION

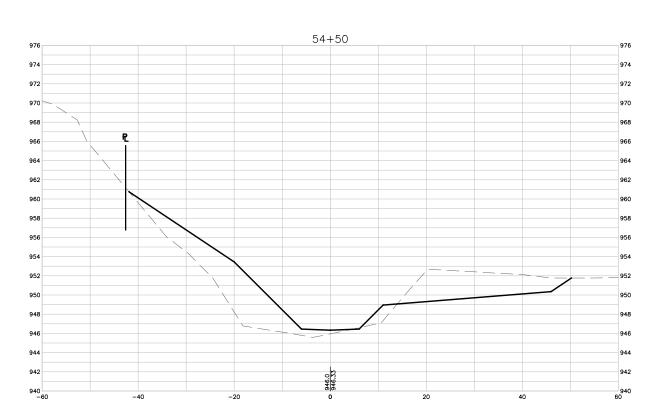


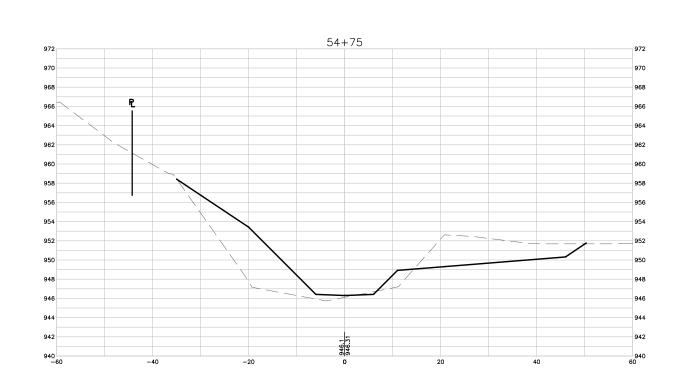
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CROSS SECTIONS









1 CROSS SECTIONS

SCALE: 1" = 10'

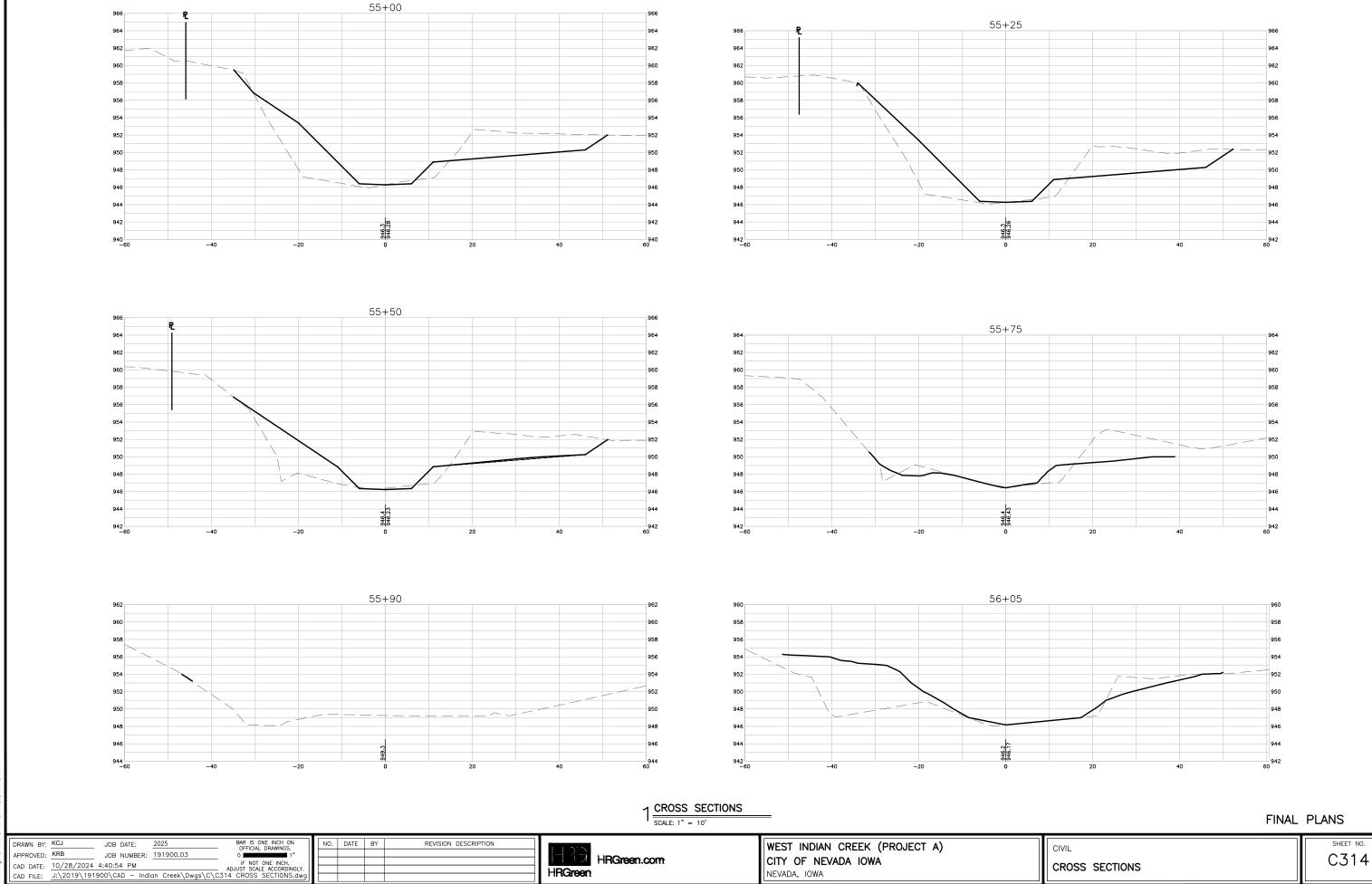
FINAL PLANS

NO. DATE BY REVISION DESCRIPTION

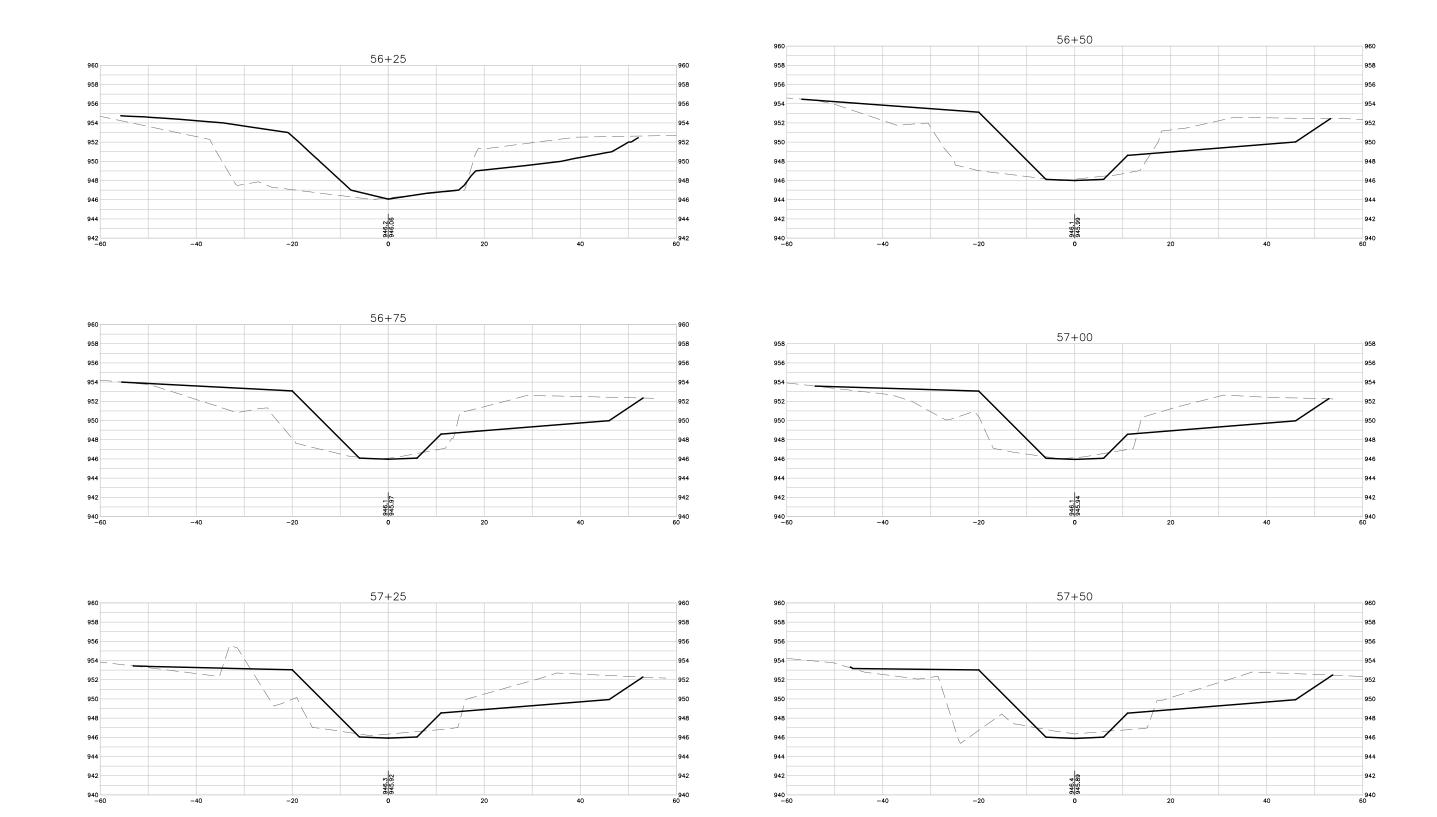
HRGreen.com HRGreen

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

CIVIL CROSS SECTIONS



NEVADA, IOWA



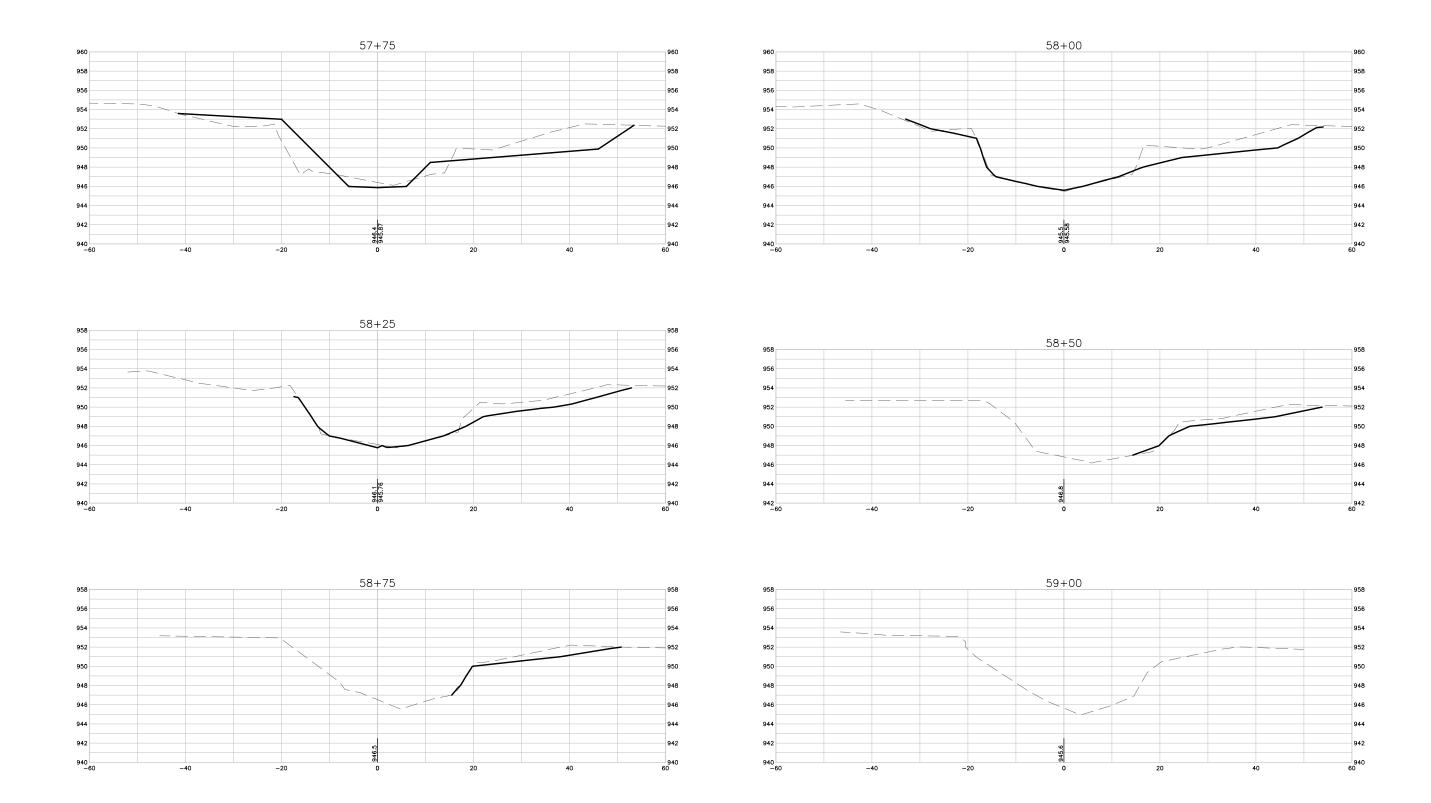
FINAL PLANS

NO. DATE BY REVISION DESCRIPTION



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

CROSS SECTIONS



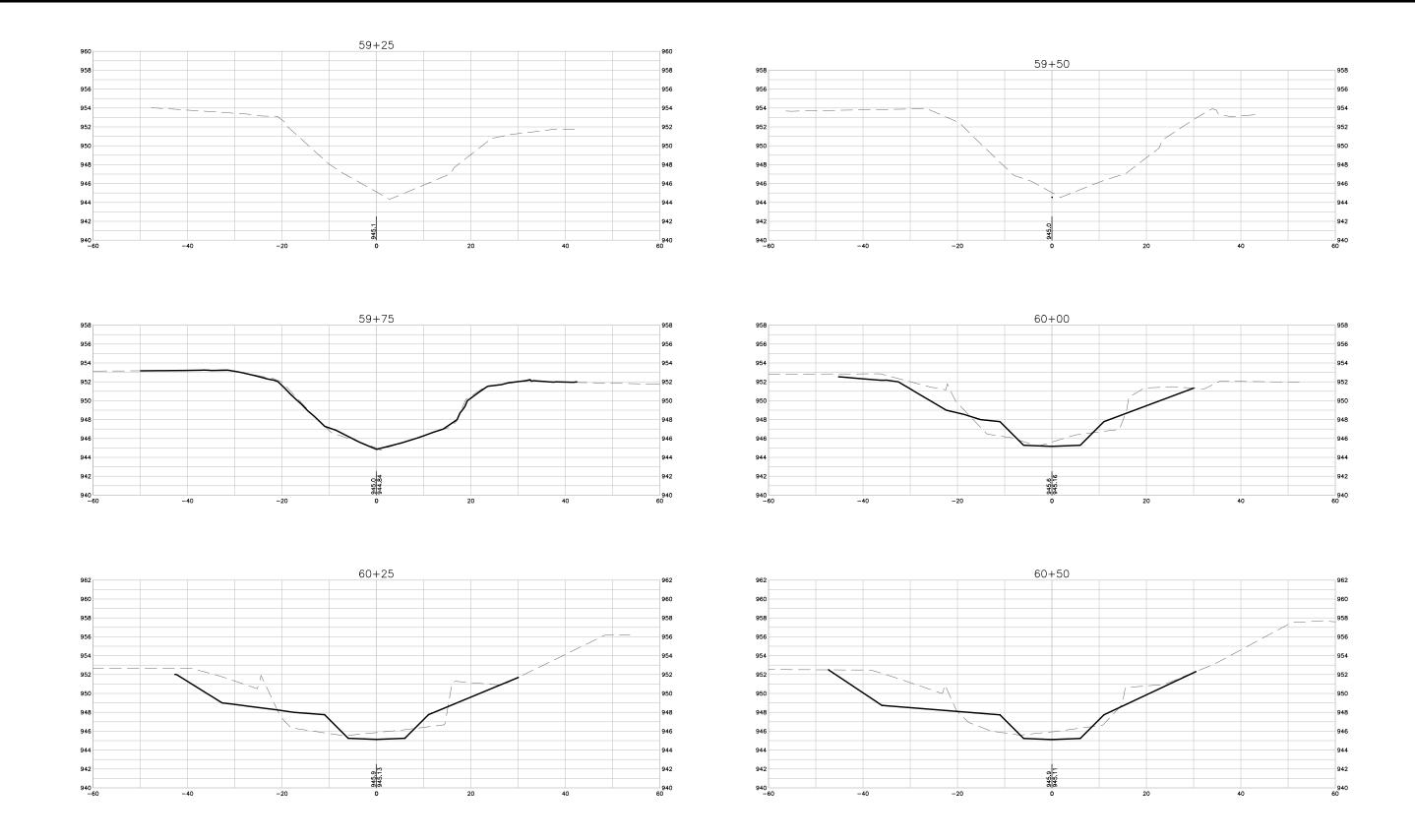
FINAL PLANS

|   | ı | NO. | DATE | BY | REVISION DESCRIPTION |
|---|---|-----|------|----|----------------------|
|   | ı |     |      |    |                      |
|   | ı |     |      |    |                      |
| . | ı |     |      |    |                      |
| 9 | ı |     |      |    |                      |
| _ |   | _   |      |    |                      |



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

CROSS SECTIONS



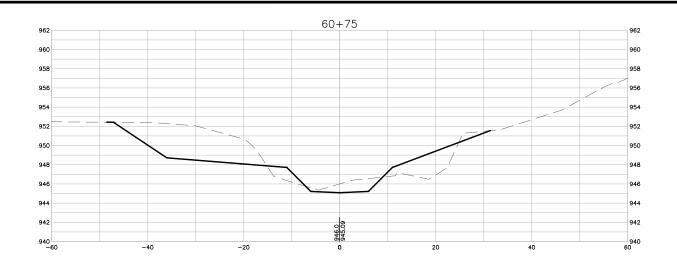
FINAL PLANS

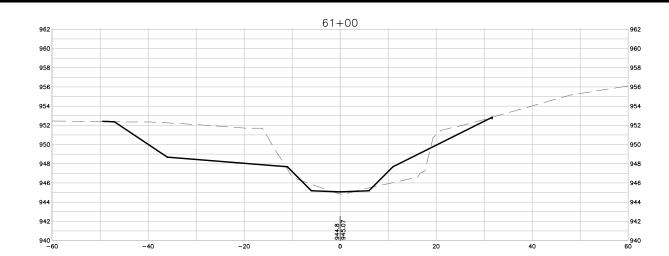
NO. DATE BY REVISION DESCRIPTION

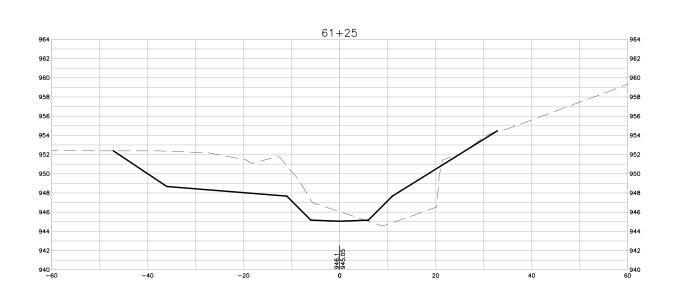


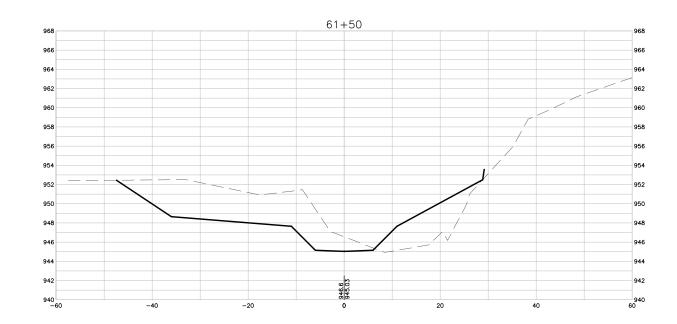
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CROSS SECTIONS









HRGreen.com

HRGreen

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

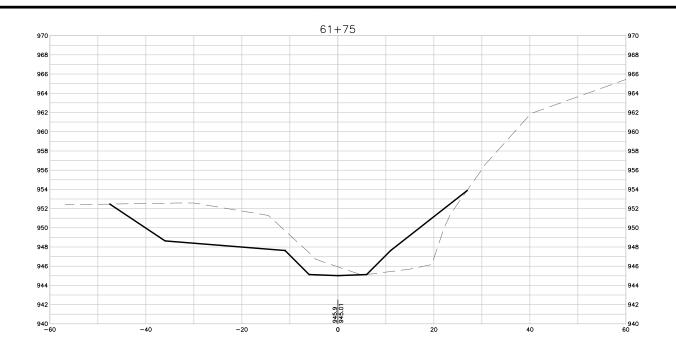
CIVIL

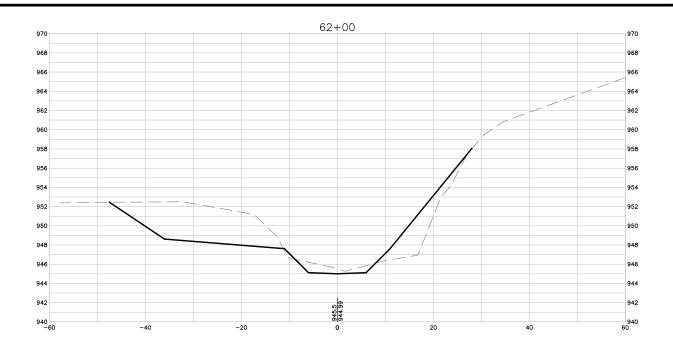
CROSS SECTIONS

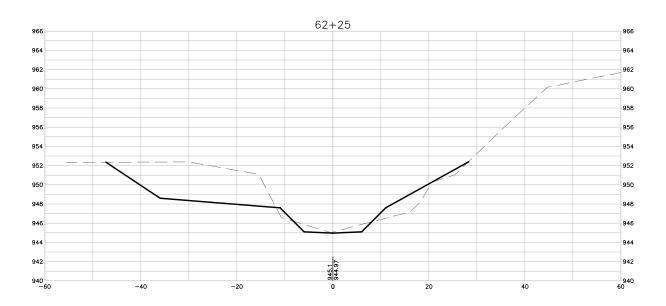
C318

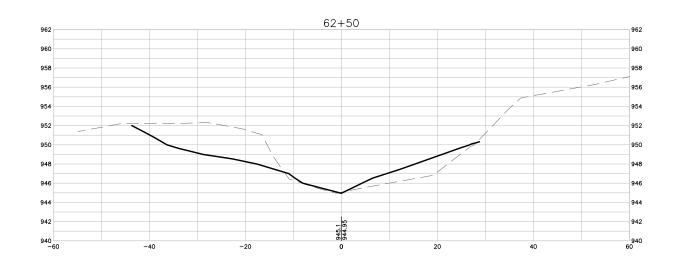
| DRAWN BY: KCJ | JOB DATE: | 2025 | BAR IS ONE INCH ON | NO. |
|---------------|-----------|------|--------------------|-----|

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
|     |      |    |                      |
|     |      |    |                      |
|     |      |    |                      |
|     |      |    |                      |









1 CROSS SECTIONS

SCALE: 1" = 10'

NO. DATE BY REVISION DESCRIPTION

HRGreen.com HRGreen

CITY OF NEVADA IOWA NEVADA, IOWA

CIVIL CROSS SECTIONS

FINAL PLANS

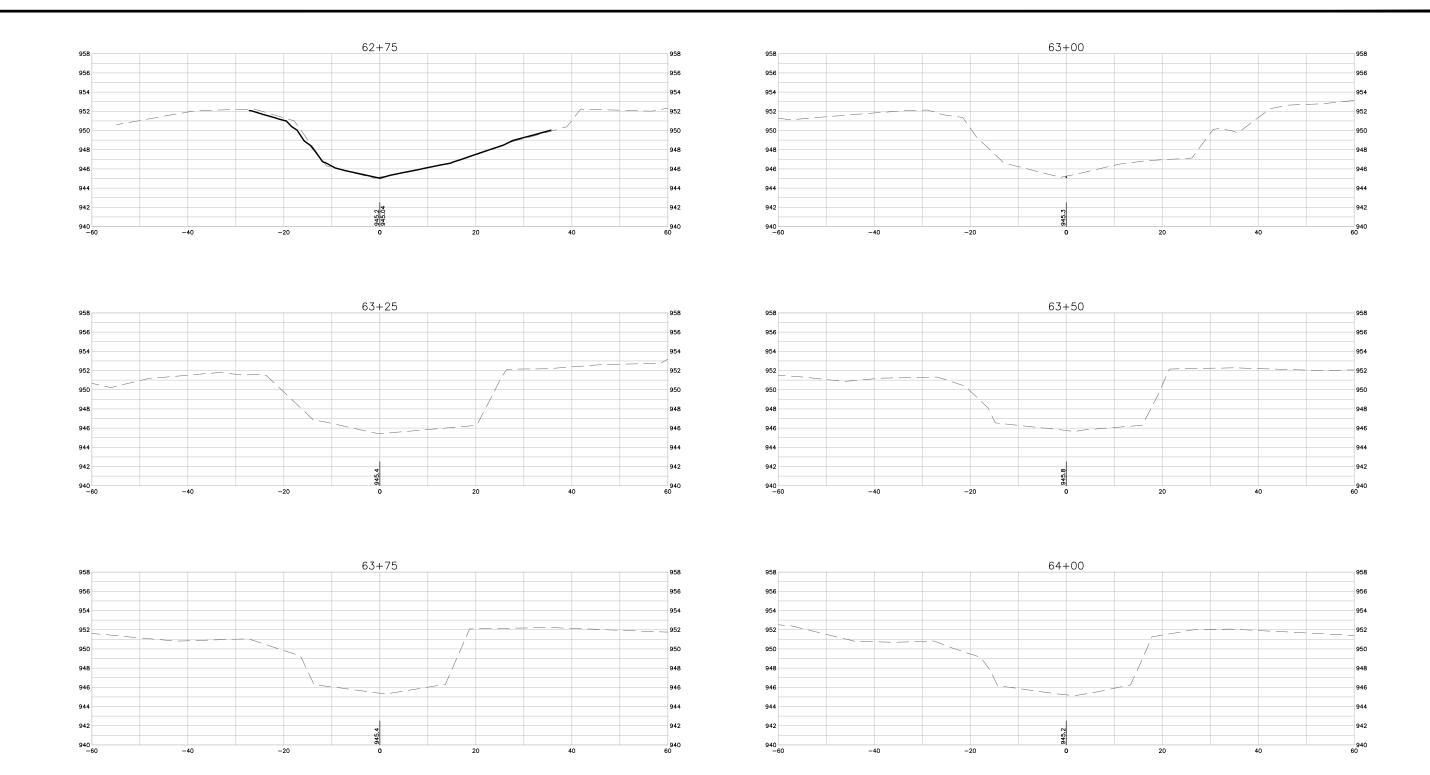
 DRAWN BY:
 KCJ
 JOB DATE:
 2025
 BAR IS ONE INCH ON OFFICIAL DRAWINGS.

 APPROVED:
 KRB
 JOB NUMBER:
 191900.03
 1"

 CAD DATE:
 10/28/2024
 4:50:43
 PM
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

 CAD FILE:
 J:\2019\191900.CAD 9 | 101st
 Creek\Dwgs\C\C319 \CSS SECTIONS.dwg

WEST INDIAN CREEK (PROJECT A)



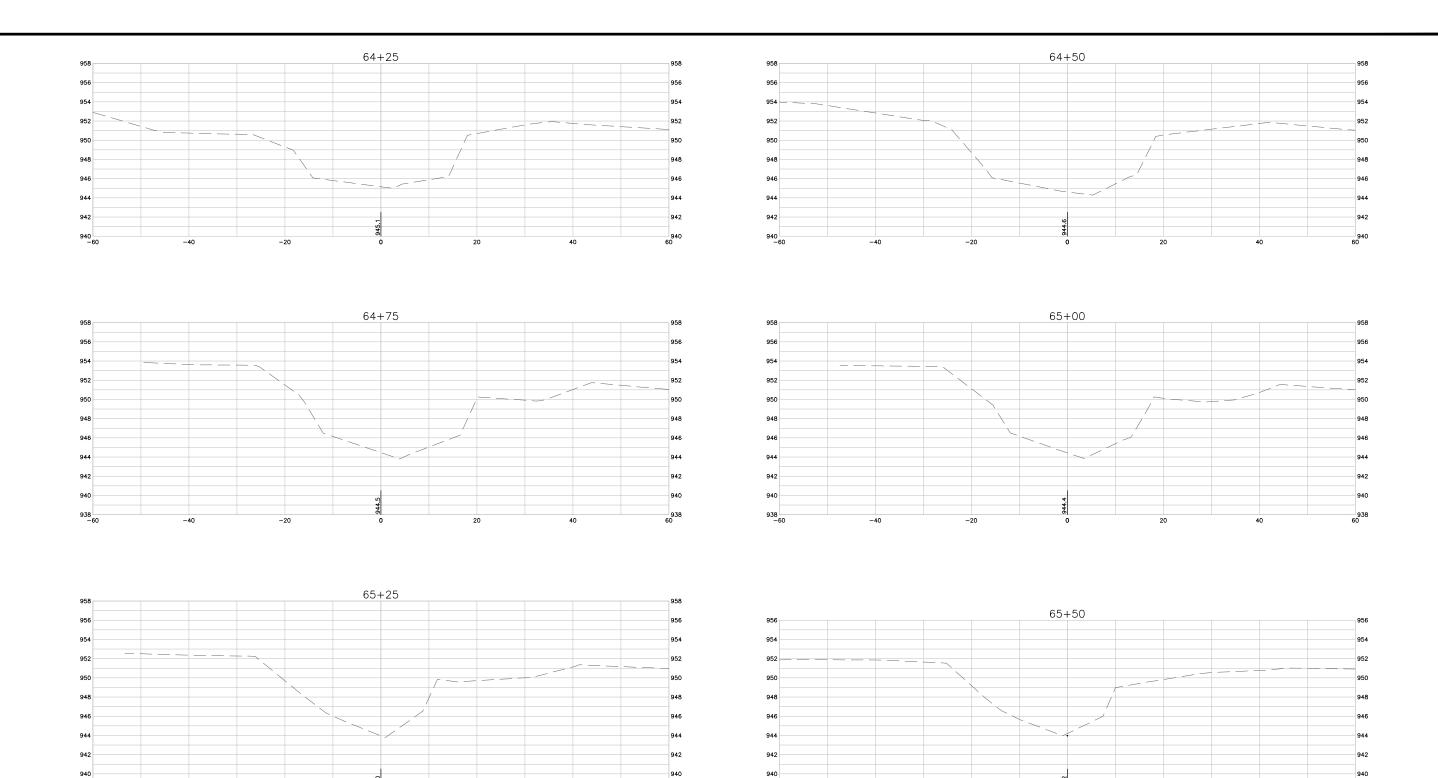
FINAL PLANS

NO. DATE BY REVISION DESCRIPTION



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

CROSS SECTIONS



FINAL PLANS

938 -60

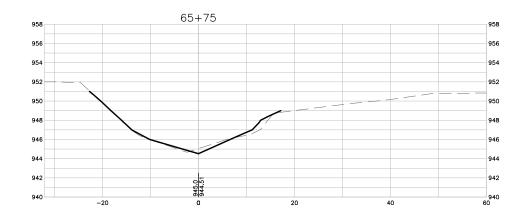
NO. DATE BY REVISION DESCRIPTION

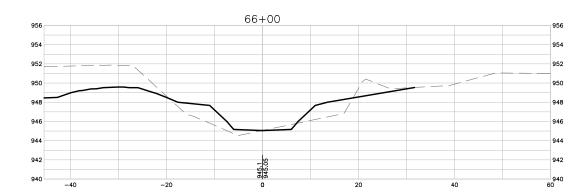
Y. Mg

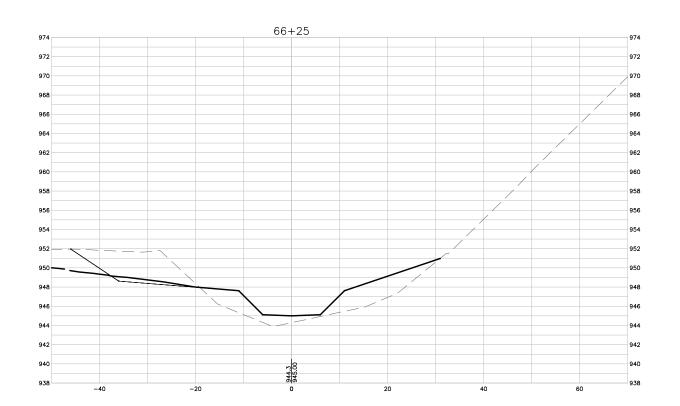


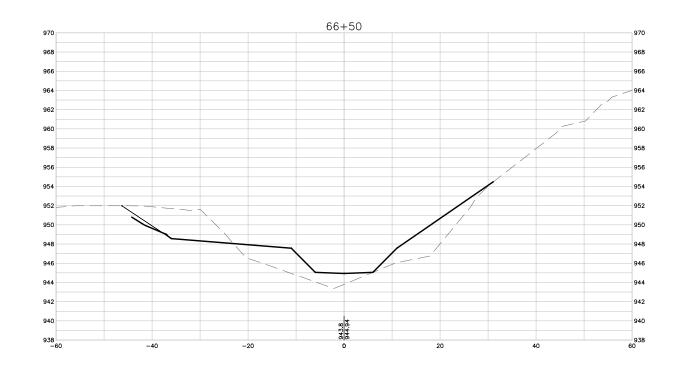
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

CROSS SECTIONS









HRGreen.com

HRGreen

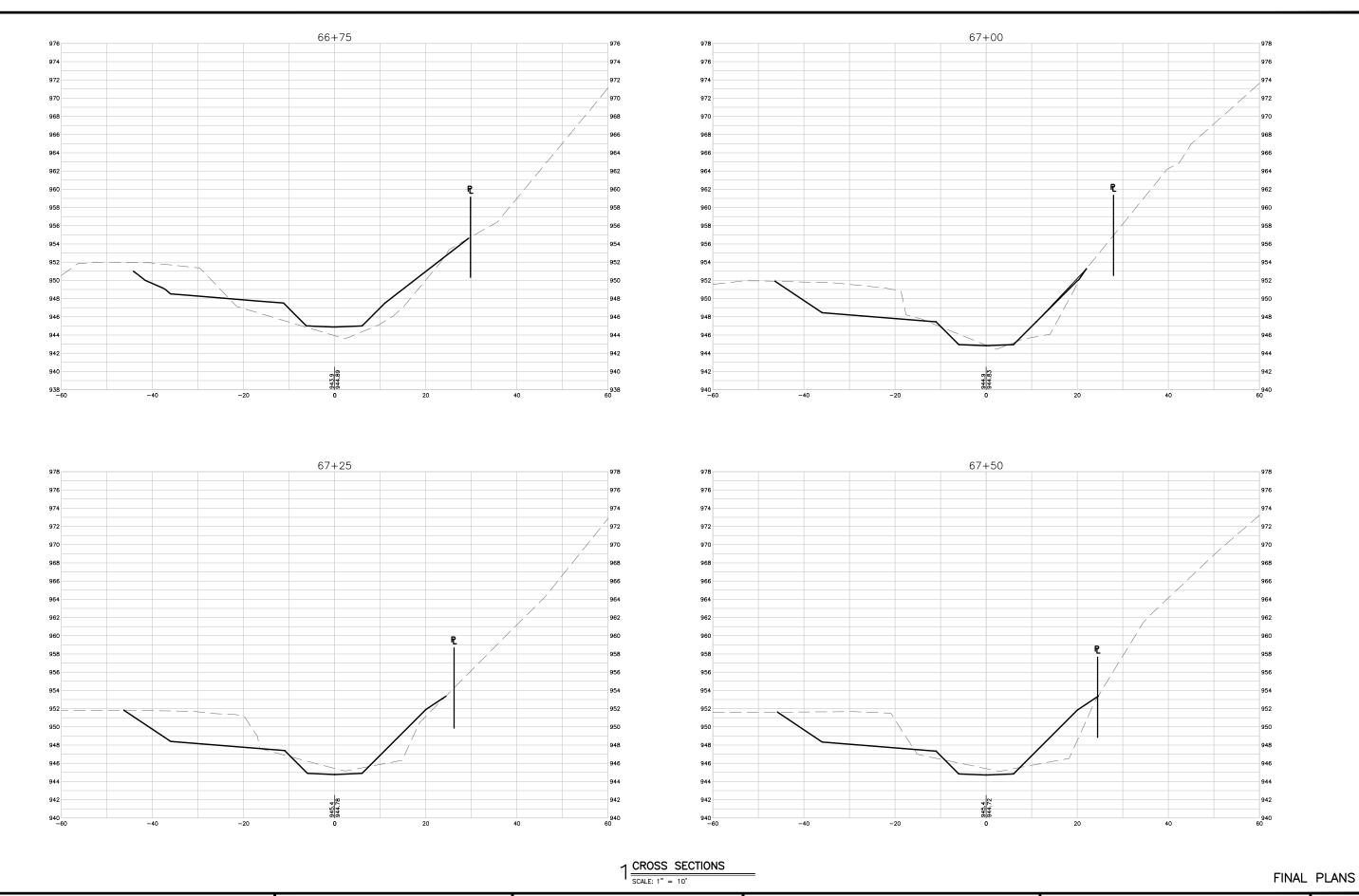
CIVIL

CROSS SECTIONS

SHEET NO. C322

| DRAWN BY: | KCJ         | JOB DATE:      | 2025              | BAR IS ONE INCH ON OFFICIAL DRAWINGS.        |
|-----------|-------------|----------------|-------------------|--|
| APPROVED: | KRB         | JOB NUMBER:    | 191900.03         | 0 11 1"                                      |
| CAD DATE: | 10/28/2024  | 4:56:28 PM     |                   | IF NOT ONE INCH, - ADJUST SCALE ACCORDINGLY. |
| CAD FILE: | J:\2019\191 | 900\CAD - Indi | an Creek\Dwas\C\( | C322 CROSS SECTIONS.dwa                      |

| 1 | ı | NO. | DATE | BY | REVISION DESCRIPTION |
|---|---|-----|------|----|----------------------|
|   | ı |     |      |    |                      |
|   | ı |     |      |    |                      |
|   | ı |     |      |    |                      |
| 3 | ı |     |      |    |                      |



Xrefs: xgt-2-dh01; XC-2-XSEC; XC-2-

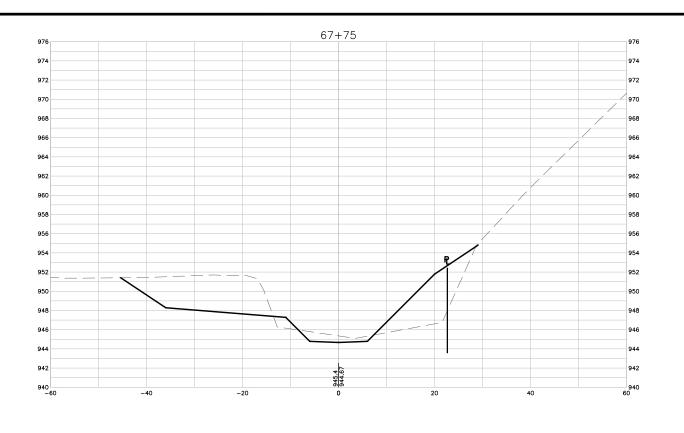
NO. DATE BY REVISION DESCRIPTION

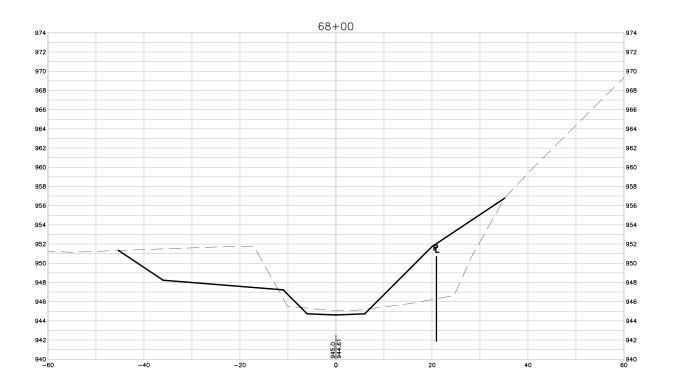
HRGreen.com

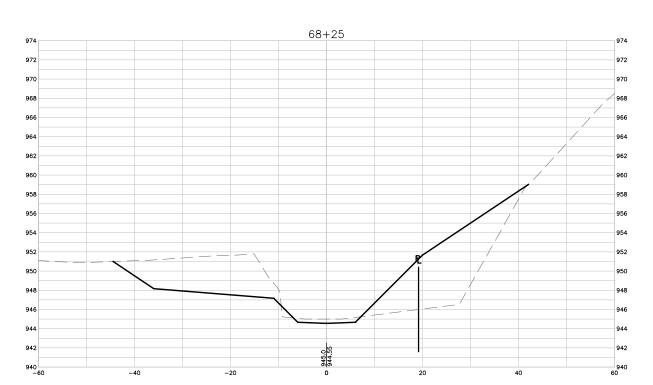
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

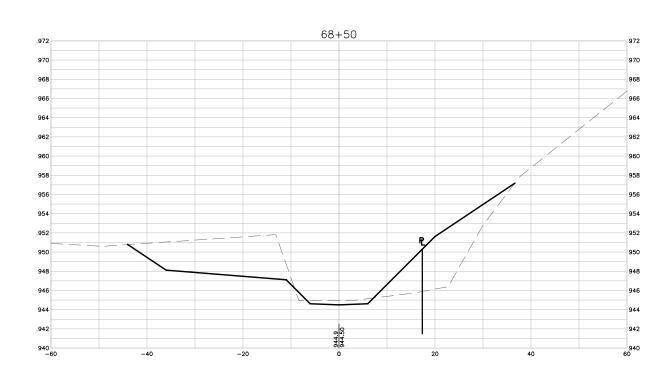
CROSS

CROSS SECTIONS









WEST INDIAN CREEK (PROJECT A)

CITY OF NEVADA IOWA NEVADA, IOWA

CIVIL

CROSS SECTIONS

C324

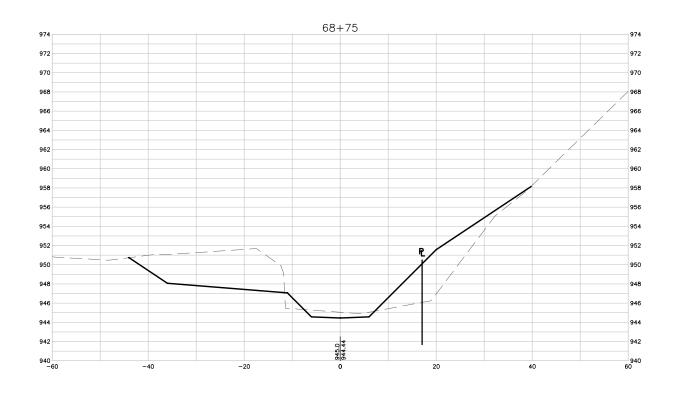
FINAL PLANS

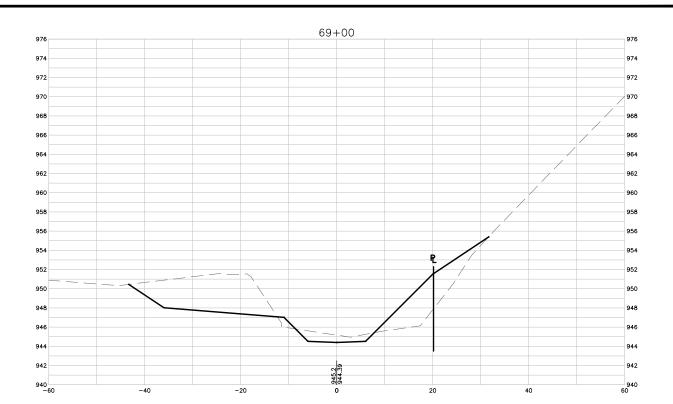
| - |           |             |                |                   |   |
|---|-----------|-------------|----------------|-------------------|---|
|   | DRAWN BY: | KCJ         | JOB DATE:      | 2025              | BAR IS ONE INCH ON<br>OFFICIAL DRAWINGS.      |
| ١ | APPROVED: | KRB         | JOB NUMBER:    | 191900.03         | 01"   |
|   |           |             | 12:35:03 PM    |                   | IF NOT ONE INCH,<br>ADJUST SCALE ACCORDINGLY. |
|   | CAD FILE: | J:\2019\191 | 900\CAD - Indi | an Creek\Dwgs\C\C | 324 CROSS SECTIONS.dwg                        |

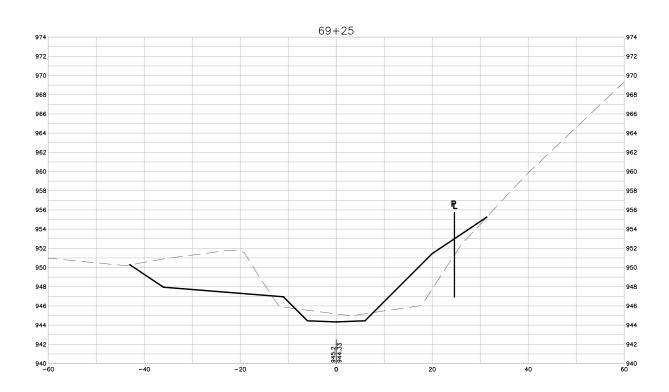
| $\ $ |   | NO. | DATE | BY | REVISION DESCRIPTION |
|------|---|-----|------|----|----------------------|
| Ш    | Ш |     |      |    |                      |
| Ш    | П |     |      |    |                      |
| Ш    | П |     |      |    |                      |
| Ш    | П |     |      |    |                      |
| -    |   |     |      |    |                      |

HRGreen.com

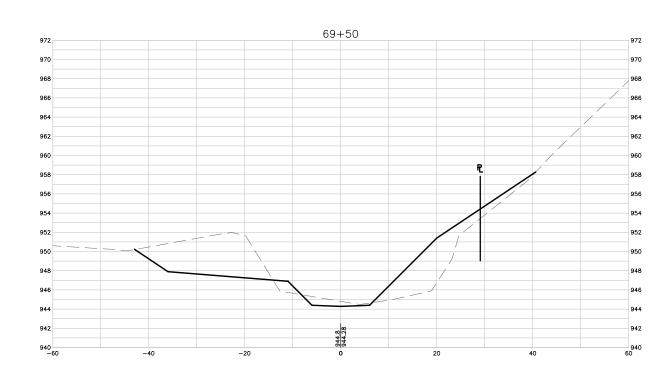
HRGreen







NO. DATE BY



1 CROSS SECTIONS SCALE: 1" = 10'

HRGreen.com

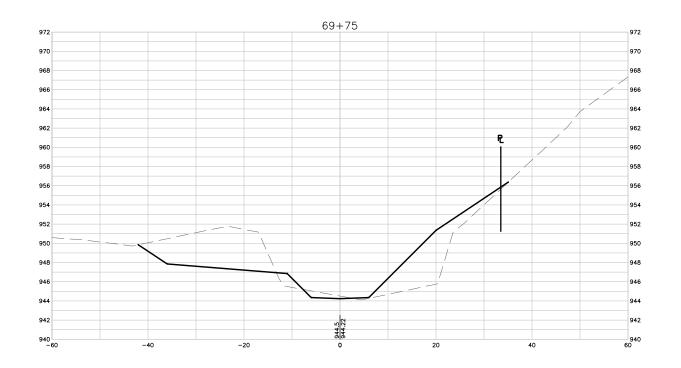
WEST INDIAN CREEK (PROJECT A)

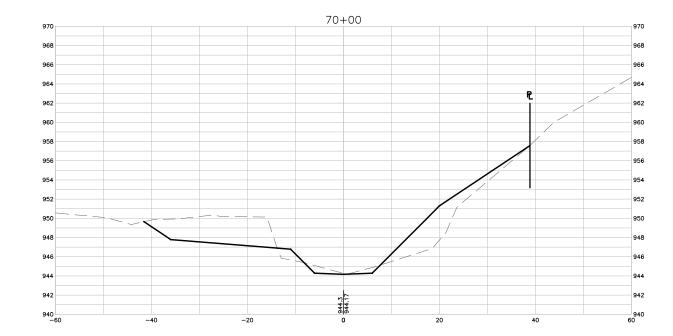
CIVIL

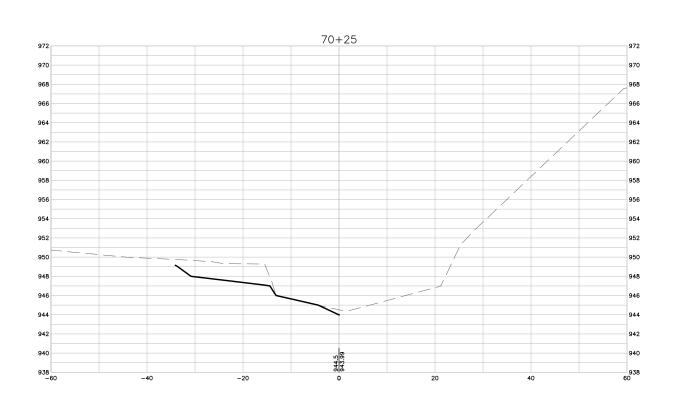
C325

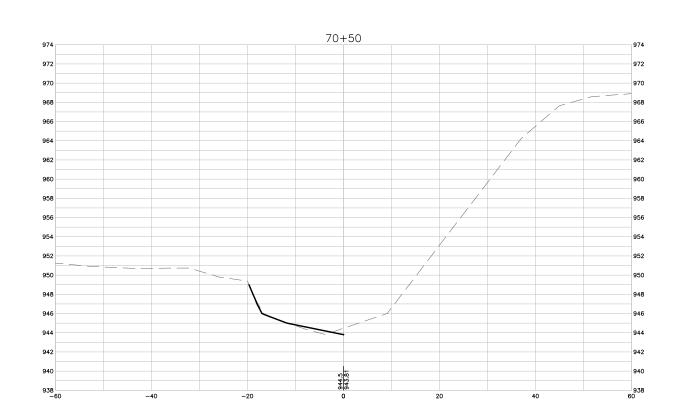
| APPROVED: KRB JOB NUMBER: 191900.03 0 1" 1"  CAD DATE: 10/29/2024 12:55:27 PM IF NOT ONE INCH, ADJUST SCALE ACCORDINGL'  CAD FILE: J:\2019\191900\CAD - Indian Creek\Dwgs\C\C325 CROSS SECTIONS.dv | DRAWN BY: | KCJ         | JOB DATE:      | 2025               | BAR IS ONE INCH ON OFFICIAL DRAWINGS.      |
|--|-----------|-------------|----------------|--------------------|--|
| CAD DATE: 10/29/2024 12:35:27 PM ADJUST SCALE ACCORDINGL   | APPROVED: | KRB         | JOB NUMBER:    | 191900.03          | 01"  |
|  | CAD DATE: | 10/29/2024  | 12:55:27 PM    |                    | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: 1: \2019 \191900 \CAD = Indian Creek \Dwgs \C \C325 CR055 SECTIONS.at  | CAD FILE: | J:\2019\191 | 900\CAD - Indi | ian Creek\Dwgs\C\( |  |

| REVISION DESCRIPTION | HRGreen        |
|----------------------|----------------|
|                      | I II ICII CONT |









REVISION DESCRIPTION

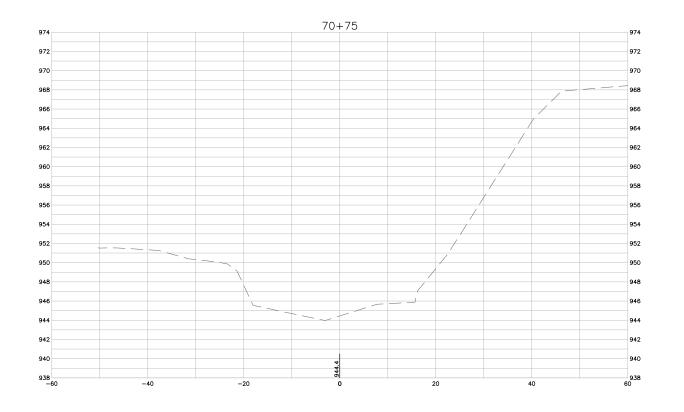
WEST INDIAN CREEK (PROJECT A) CITY OF NEVADA IOWA NEVADA, IOWA

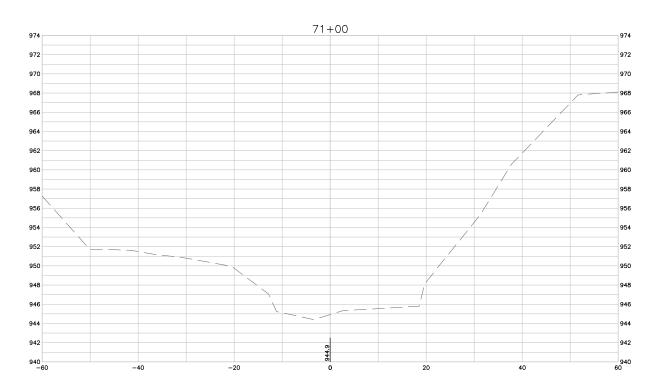
CIVIL CROSS SECTIONS C326

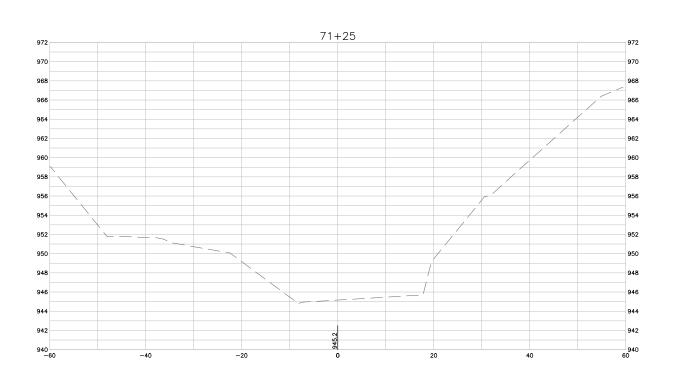
FINAL PLANS

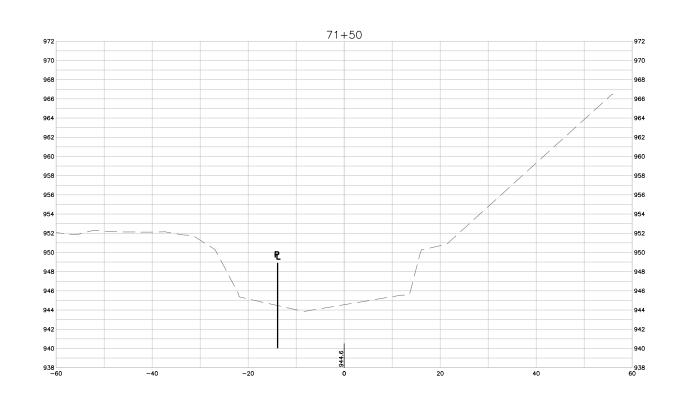
|              |                  |           |                   |  |     |      |    | =       |
|--------------|------------------|-----------|-------------------|--|-----|------|----|---------|
| DRAWN BY: K  | CJ JOB           | DATE:     | 2025              | BAR IS ONE INCH ON<br>OFFICIAL DRAWINGS. | NO. | DATE | BY |         |
| APPROVED: KI | RB JOB           | NUMBER:   | 191900.03         | 0 1"                                     |     |      |    | Ι       |
| CAD DATE: 1/ | 0/29/2024 12:55: | 10 DM     |                   | IF NOT ONE INCH,                         |     |      |    | $\perp$ |
|              | <del>, ,</del>   |           |                   | ADJUST SCALE ACCORDINGLY.                |     |      |    | $\perp$ |
| CAD FILE: J: | :\2019\191900\C  | AD – Indi | an Creek\Dwgs\C\C | 326 CROSS SECTIONS.dwg                   |     |      |    |         |

HRGreen.com HRGreen









1 CROSS SECTIONS

SCALE: 1" = 10'

WEST INDIAN CREEK (PROJECT A) CITY OF NEVADA IOWA

NEVADA, IOWA

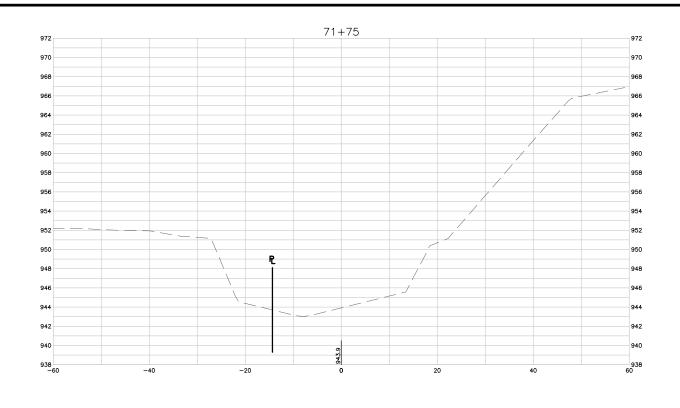
CIVIL

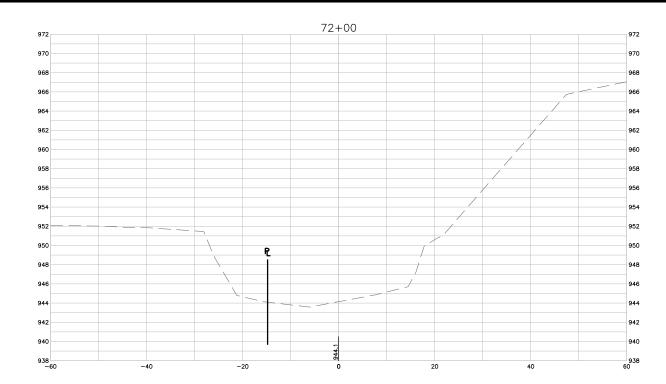
FINAL PLANS

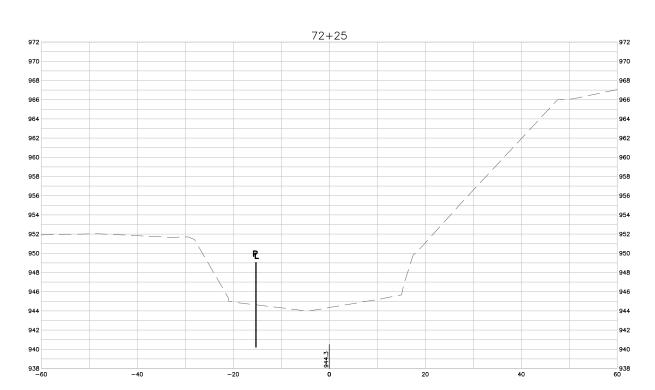
NO. DATE BY REVISION DESCRIPTION

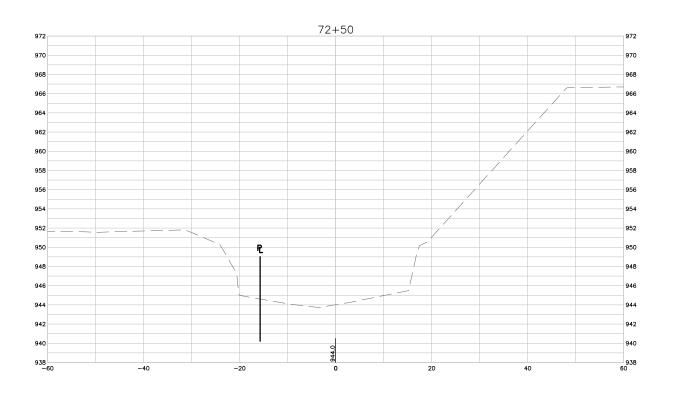
HRGreen.com HRGreen

CROSS SECTIONS









1 CROSS SECTIONS

SCALE: 1" = 10'

NO. DATE BY REVISION DESCRIPTION

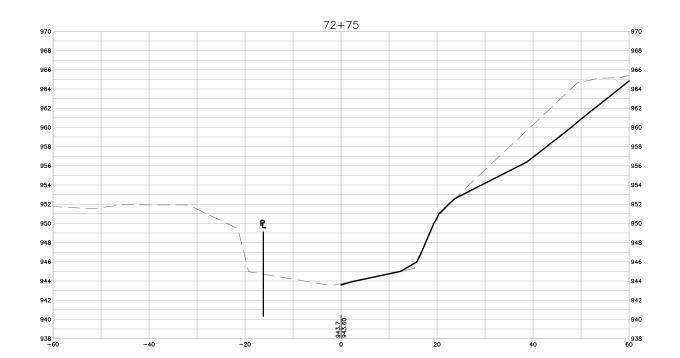
HRGreen.com HRGreen

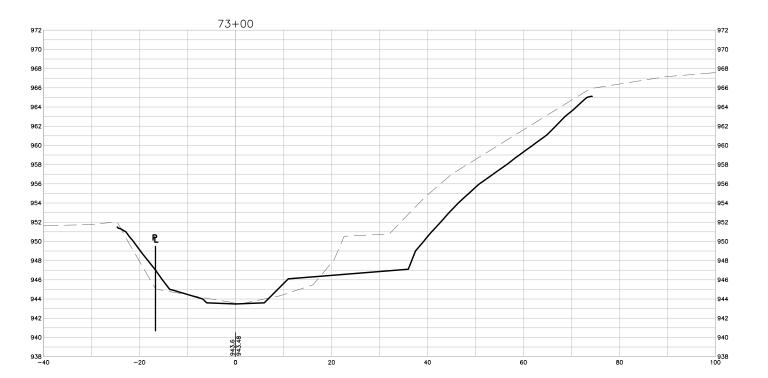
WEST INDIAN CREEK (PROJECT A) CITY OF NEVADA IOWA NEVADA, IOWA

CIVIL

CROSS SECTIONS

C328





NO. DATE BY REVISION DESCRIPTION

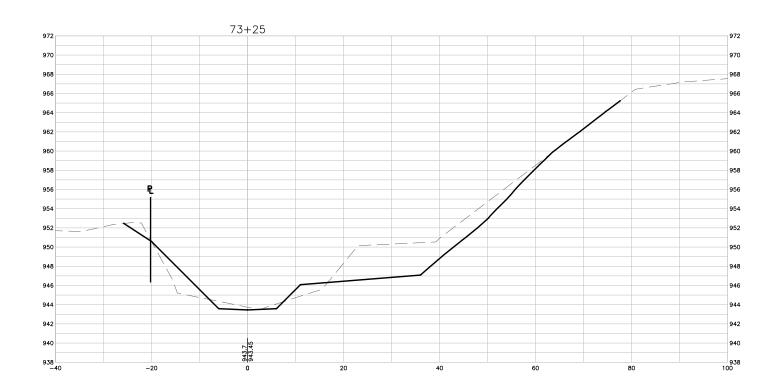
HRGreen.com HRGreen

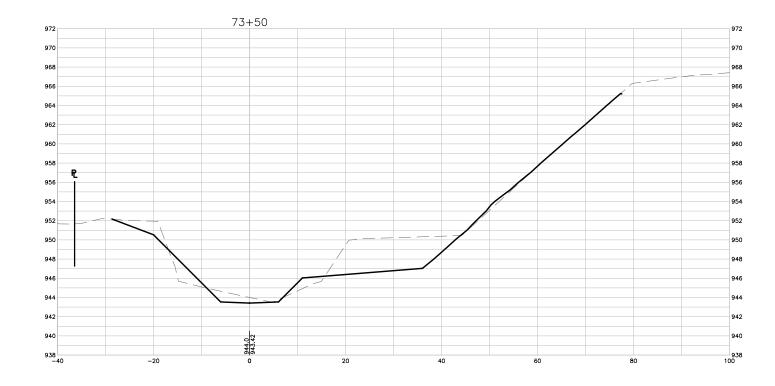
WEST INDIAN CREEK (PROJECT A) CITY OF NEVADA IOWA NEVADA, IOWA

CIVIL

CROSS SECTIONS

C329

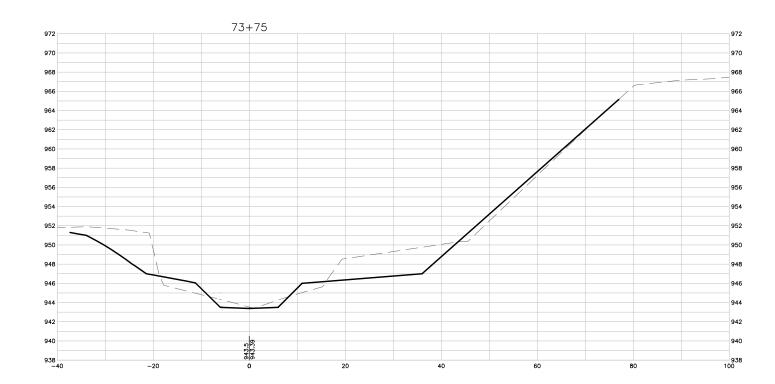


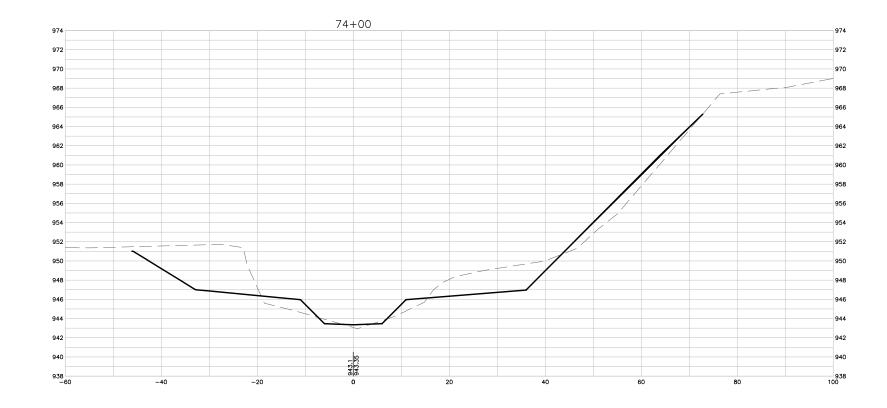


FINAL PLANS

NO. DATE BY REVISION DESCRIPTION







FINAL PLANS

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

 APPROVED:
 KRB
 JOB NUMBER:
 191900.03
 ■ ■ ■ ■
 ■ ■ ■

 CAD DATE:
 1/14/2025
 9:57:28 AM
 ■ F NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

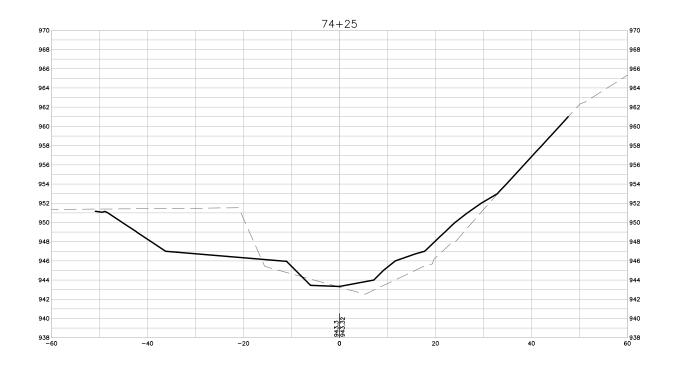
 CAD FILE:
 J:\2019\191900\CAD - India
 Creek\Dwgs\C\C331
 CROSS SECTIONS.dwg
 NO. DATE BY

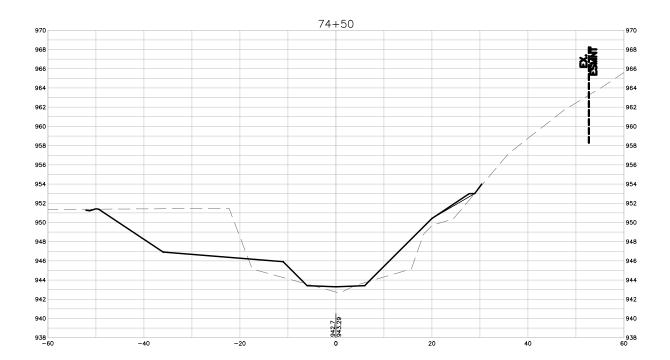


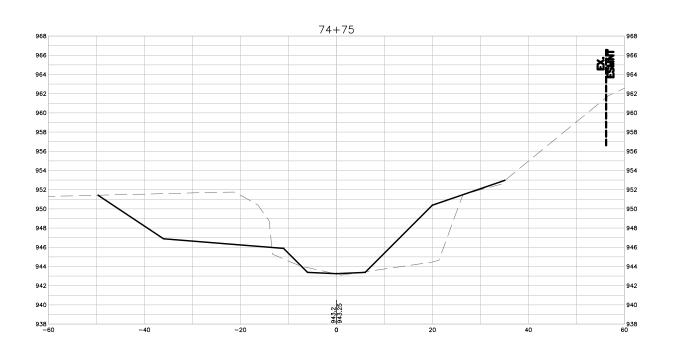
HRGreen.com

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

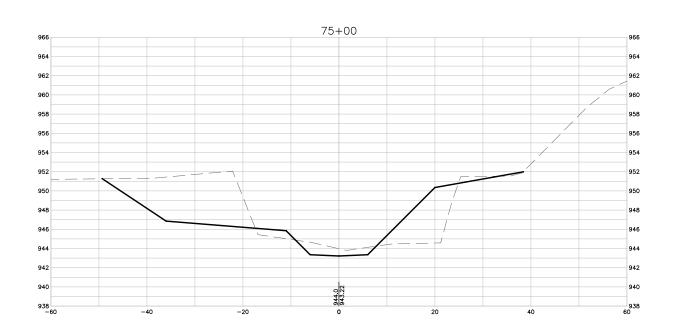
CIVIL CROSS SECTIONS







NO. DATE BY



 $1 \frac{\text{CROSS SECTIONS}}{\text{SCALE: 1"} = 10'}$ 

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

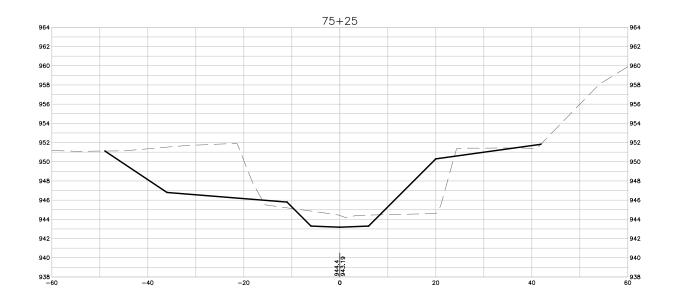
CIVIL CROSS SECTIONS

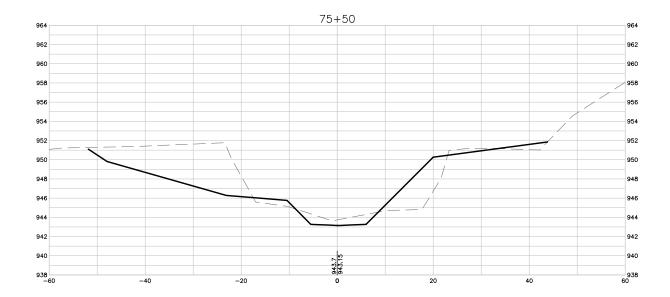
SHEET NO. C332

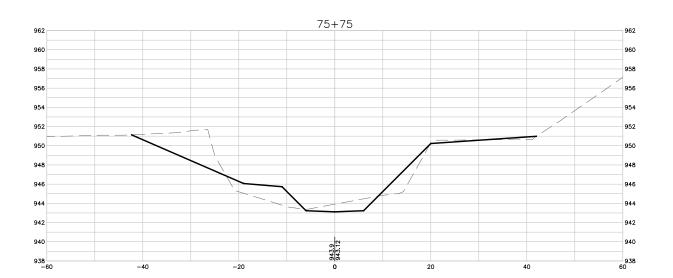
FINAL PLANS

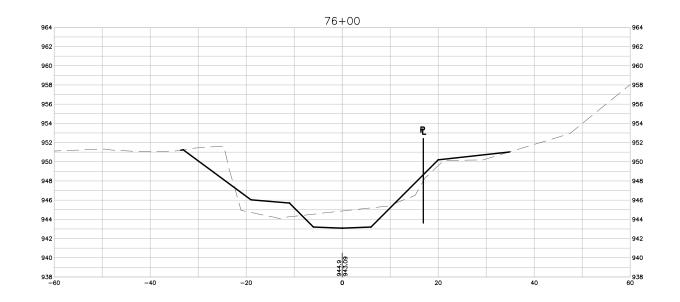
| DRAWN BY: | KCJ         | JOB DATE:      | 2025              | BAR IS ONE INCH ON CONTROL OFFICIAL DRAWINGS. |
|-----------|-------------|----------------|-------------------|---|
| APPROVED: | KRB         | JOB NUMBER:    | 191900.03         | 0 1"  |
| CAD DATE: | 10/29/2024  | 12:55:05 PM    |                   | IF NOT ONE INCH, - ADJUST SCALE ACCORDINGLY.  |
| CAD FILE: | J:\2019\191 | 900∖CAD - Indi | an Creek\Dwgs\C\( | C332 CROSS SECTIONS.dwg                       |

REVISION DESCRIPTION HRGreen









SCALE: I = IU

HRGreen.com

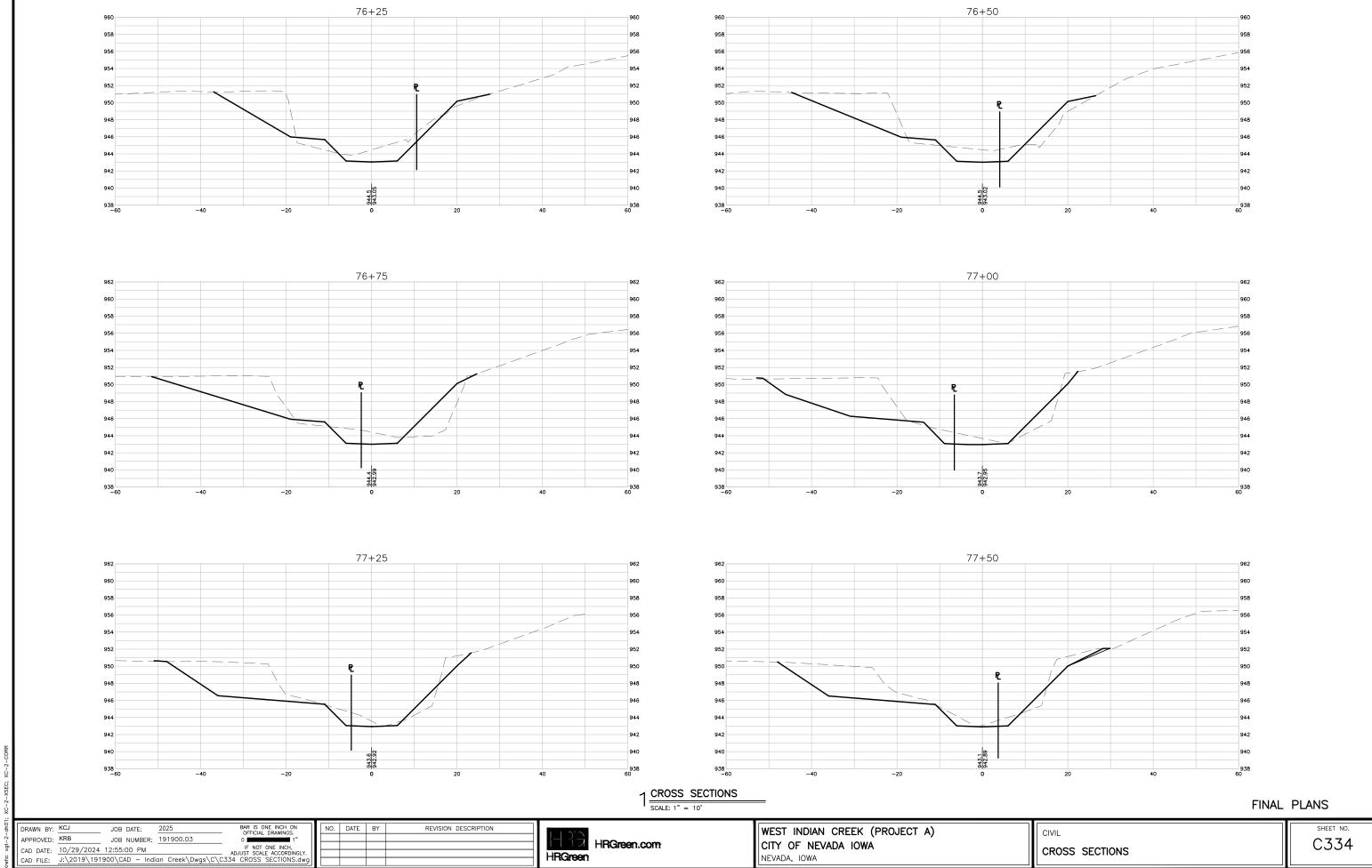
REVISION DESCRIPTION

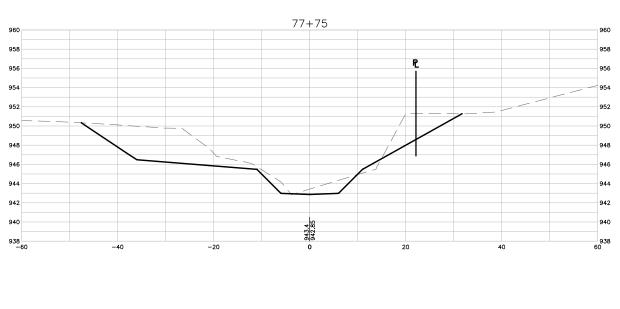
HRGreen

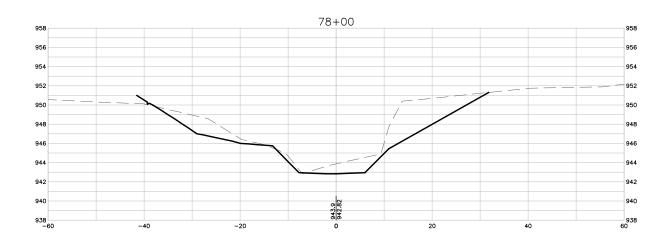
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

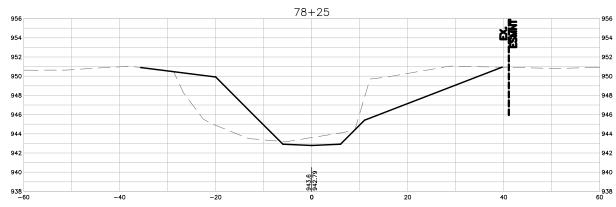
CROSS SECTIONS

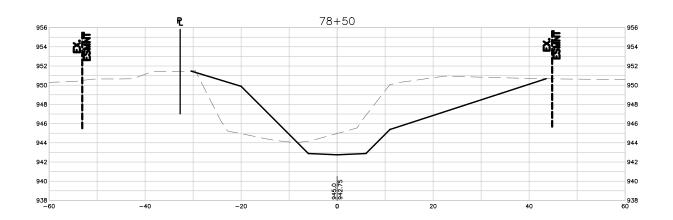
C333

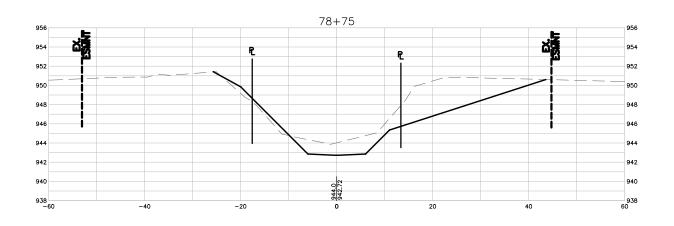


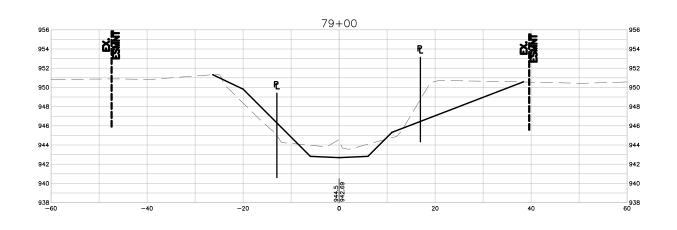












SCALE: I = IU

HRGreen.com

HRGreen

N CREEK (PROJECT A)

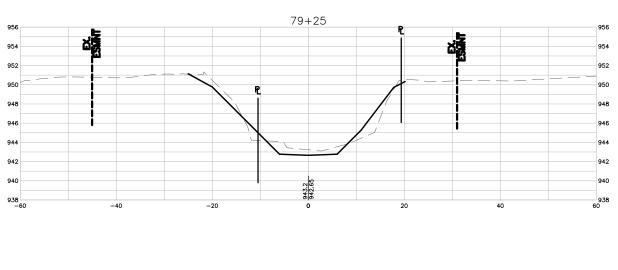
CROSS SECTIONS

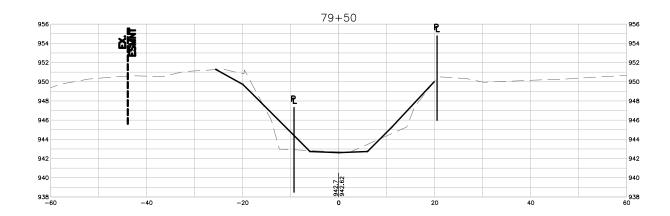
FINAL PLANS

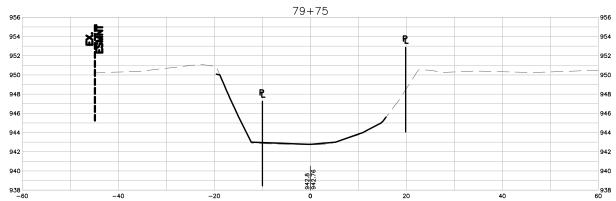
Areis: xgt-z-anol; xc-z-xsec; xc

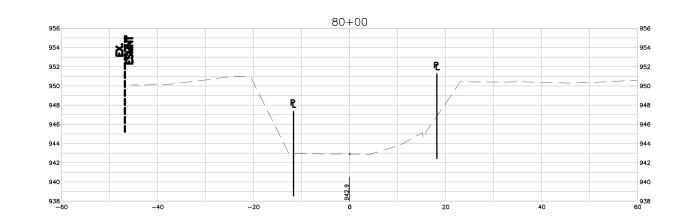
NO. DATE BY REVISION DESCRIPTION

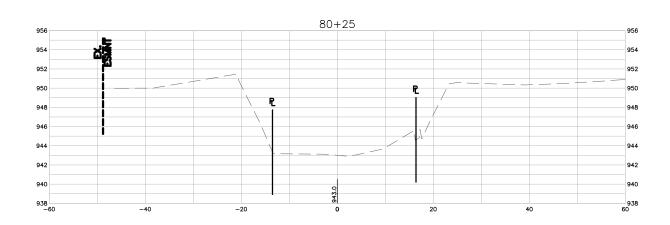
WEST INDIAN CREEK (PROJECT A)
CITY OF NEVADA IOWA
NEVADA, IOWA

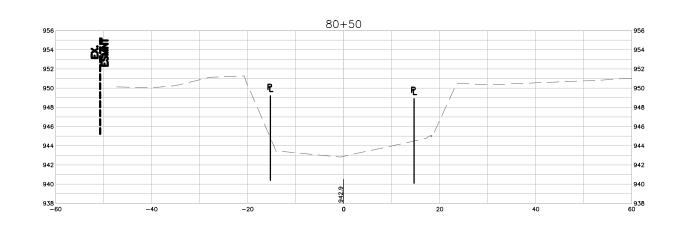












HRGreen.com

HRGreen

WEST INDIAN CREEK (PROJECT A)

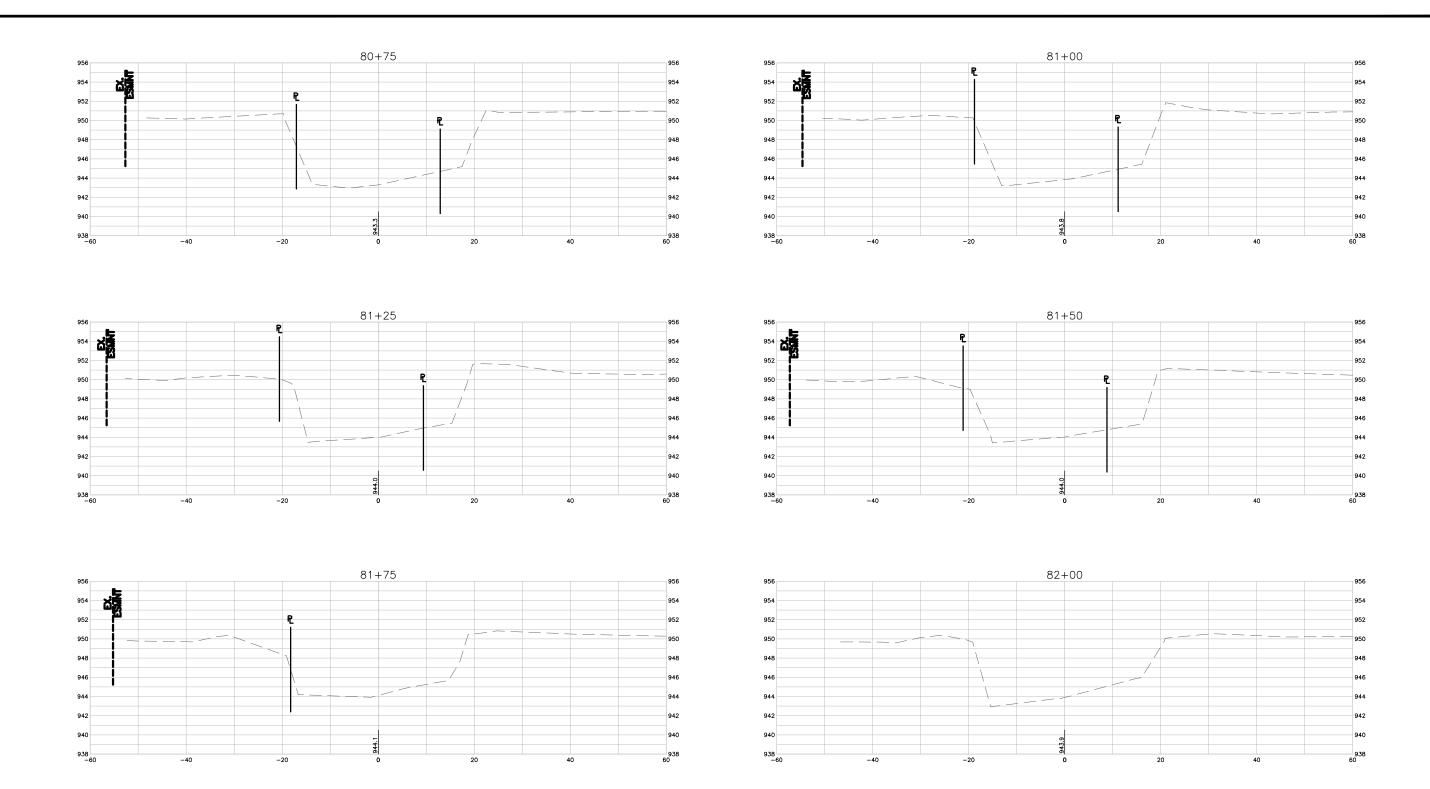
CIVIL

CROSS SECTIONS

FINAL PLANS SHEET NO.

| DRAWN BY: | KCJ         | JOB DATE:      | 2025              | BAR IS ONE INCH ON<br>OFFICIAL DRAWINGS.   |
|-----------|-------------|----------------|-------------------|--|
| APPROVED: | KRB         | JOB NUMBER:    | 191900.03         | 0 THE BRAWINGS.                            |
| CAD DATE: | 10/29/2024  | 12:54:54 PM    |                   | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: | J:\2019\191 | 900∖CAD - Indi | an Creek\Dwgs\C\C | 336 CROSS SECTIONS.dwg                     |

|   | NO. | DATE | BY | REVISION DESCRIPTION |
|---|-----|------|----|----------------------|
| Ш |     |      |    |                      |
| Ш |     |      |    |                      |
| Ш |     |      |    |                      |
| 9 |     |      |    |                      |
|   |     |      |    |                      |



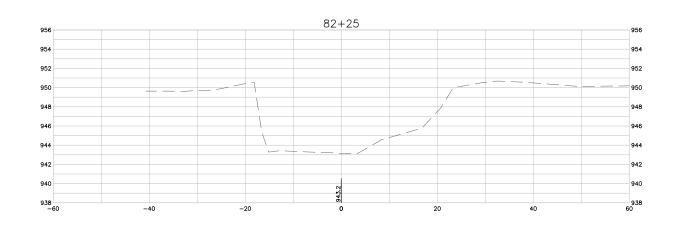
FINAL PLANS

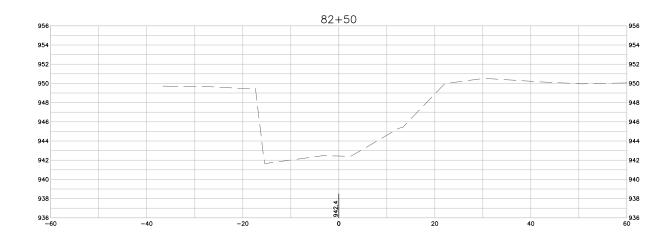
NO. DATE BY REVISION DESCRIPTION

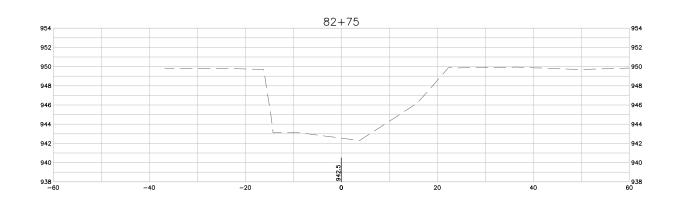


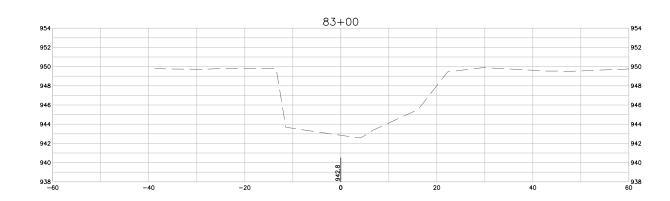
WEST INDIAN CREEK (PROJECT A) CITY OF NEVADA IOWA NEVADA, IOWA

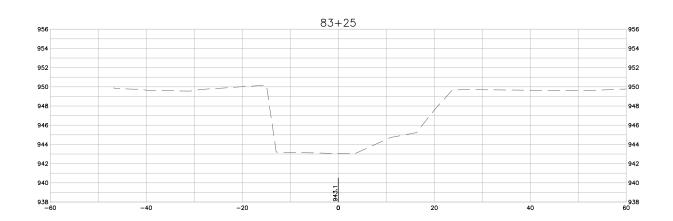
CIVIL CROSS SECTIONS

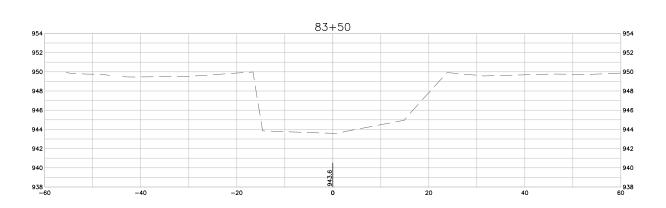












WEST INDIAN CREEK (PROJECT A)

CITY OF NEVADA IOWA NEVADA, IOWA

CIVIL CROSS SECTIONS

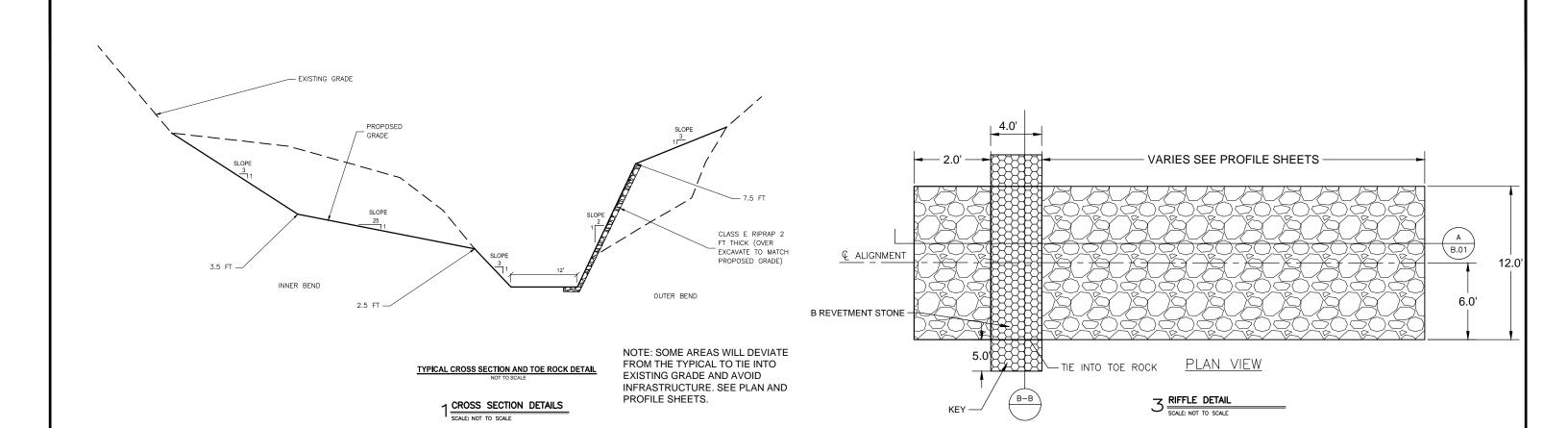
C338

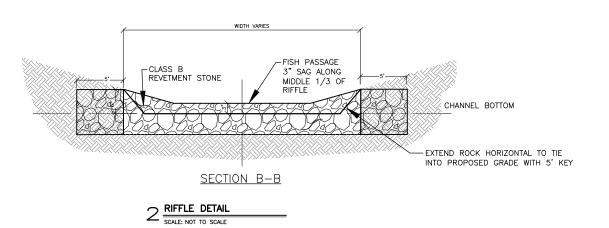
FINAL PLANS

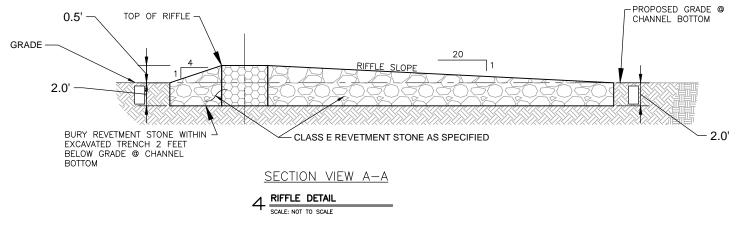
| DRAWN BY: | KCJ         | JOB DATE:      | 2025              | BAR IS ONE INCH ON<br>OFFICIAL DRAWINGS.     |
|-----------|-------------|----------------|-------------------|--|
| APPROVED: | KRB         | JOB NUMBER:    | 191900.03         | 0 MANUAL DICAMINGS.                          |
| CAD DATE: | 10/29/2024  | 12:54:46 PM    |                   | IF NOT ONE INCH, - ADJUST SCALE ACCORDINGLY. |
| CAD FILE: | J:\2019\191 | 900∖CAD - Indi | an Creek\Dwgs\C\0 | C338 CROSS SECTIONS.dwg                      |

| П | NO. | DATE | BY | REVISION DESCRIPTION |
|---|-----|------|----|----------------------|
| Ш |     |      |    |                      |
| П |     |      |    |                      |
| П |     |      |    |                      |
|   |     |      |    |                      |

HRGreen.com HRGreen







FINAL PLANS

|     | DRAWN BY: |  | JOB |  | 2025 | BAR IS ONE INCH ON<br>OFFICIAL DRAWINGS. |
|-----|-----------|--|-----|--|------|--|
| -2- | APPROVED: | &#B</th><th>JOB</th><th>NUMBER:</th><th>191900.03</th><th>0 1"</th></tr><tr><td>×gt</td><td>CAD DATE:</td><td>1/31/2025 3</td><td>:23:27</td><td>PM</td><td></td><td>IF NOT ONE INCH,<br>ADJUST SCALE ACCORDINGLY.</td></tr><tr><td>efs:</td><td>CAD FILE:</td><td colspan=8>J:\2019\191900\CAD - Indian Creek\Dwgs\C\C501 DETAILS.dwg</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> |     |  |      |  |

| - | ı | NO. | DATE | BY | REVISION DESCRIPTION |
|---|---|-----|------|----|----------------------|
| - | ı |     |      |    |                      |
| - | ı |     |      |    |                      |
| . | ı |     |      |    |                      |
| - | ı |     |      |    |                      |
|   |   |     |      |    |                      |

| 1433    | HRGreen.com |
|---------|-------------|
| HRGreen |             |

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

DETAILS

SHEET NO. C501