

TRIBUTARY TO INDIAN CREEK (PROJECT B)


SRF SPONSORED PROJECT

CITY OF NEVADA IOWA

NEVADA, IOWA

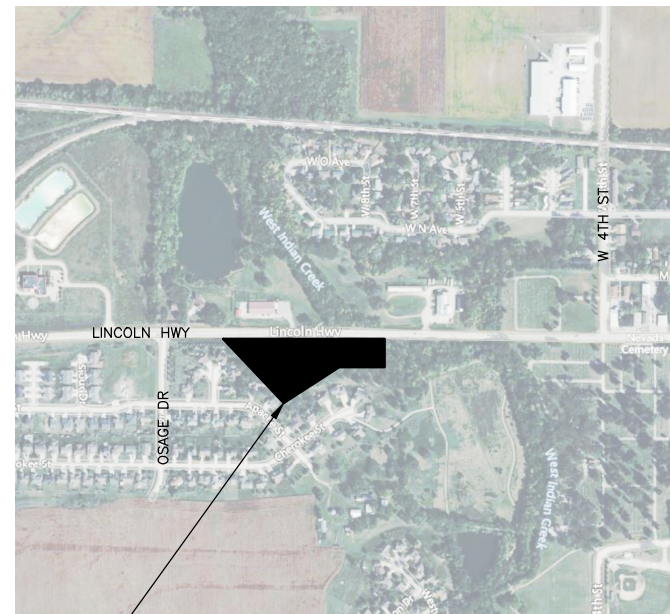
2025

CERTIFICATION

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.	
	KATE R. BARNES, P.E., CFM License Number: 26428 My license renewal date is December 31, 2025. Pages or sheets covered by this seal:	DATE



LOCATION MAP



PROJECT LOCATION



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SHEET INDEX

Sheet Number	Sheet Title
GENERAL	
G000	COVER SHEET
G001	LEGENDS, SYMBOLS AND GENERAL NOTES
G002	ABBREVIATIONS
G003	QUANTITIES
G004	ERI NOTES - ESTIMATE REFERENCE
G005	SURVEY CONTROL
CIVIL	
C101	OVERALL SITE PLAN, EROSION CONTROL & KEY PLAN
C102	AQUISITION PLAN
C103	DEMOLITION PLAN
C201	PLAN & PROFILE - STA 10+00 TO 14+00
C202	PLAN & PROFILE - STA 14+00 TO 18+40
C203	PLAN & PROFILE - STA 19+80 TO 25+60
C204	RESTORATION - STA 9+80 TO 14+00
C205	RESTORATION - STA 14+00 TO 18+40
C206	RESTORATION - STA 19+80 TO 25+60
C301	CROSS SECTIONS
C302	CROSS SECTIONS
C303	CROSS SECTIONS
C304	CROSS SECTIONS
C501	CROSS VANE DETAIL
C502	STONE TOE PROTECTION DETAIL
C503	RIPRAP APRON DETAIL

FINAL PLANS

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TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVEDA
 NEVADA, IOWA

GENERAL
 COVER SHEET

SHEET NO.
 G000

CIVIL LEGEND

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

NOTES:

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

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

MATERIAL LEGEND

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

SYMBOL LEGEND

	TRUE NORTH ARROW: ORIENTATION IS SURVEYED TO TRUE NORTH OR AS CLOSE TO TRUE NORTH AS KNOWN DATA.
	PLAN NORTH ARROW: ORIENTATION IS CLOSEST TO TRUE NORTH AND INCREASES COMMUNICATION WHEN ADDRESSING SIDES OF A STRUCTURE.
	CIVIL SCALE BAR
	1 BLDG DETAIL OR SECTION SCALE: TO SCALE
	1 DETAIL (NOT TO SCALE) SCALE: NONE
	TYPICAL NOTE: 1. NOTES ASSOCIATED WITH SHEET, PLAN, ELEVATION, SECTION OR DETAIL.
	1 S100 DETAIL INDICATOR
	1 A100 SECTION INDICATOR
	E A201 ELEVATION INDICATOR
	P101 P102 MATCH LINE INDICATOR
	CONTRACT TERMINATOR
	REVISION MARKER
	VENDOR CONTRACTOR

NOTE:

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

GENERAL NOTES:

- SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
- IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS.
- ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, & ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. NO ON SITE BURNING WILL BE ALLOWED
- GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
- PART OF THE PROPOSED PROJECT IS LOCATED WITHIN WATERS OF THE UNITED STATES.
- THE CONTRACTOR SHALL CONFINE THEIR GRADING OPERATIONS TO WITHIN CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
- ALL FIELD TILES ENCOUNTERED SHALL BE REPLACED AND/OR CONNECTED TO THE STORM SEWER SYSTEM AND LOCATED AND IDENTIFIED ON THE RECORD PLANS BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OR MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.
- THE CONTRACTOR MAY BE REQUIRED TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME DAY, AS DIRECTED BY THE ENGINEER OR THE OWNER.
- FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL CONNECTIONS TO EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATIONS AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
- GENERAL CONTRACTOR SHALL HAVE APPROVAL OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THIS SYSTEM PRIOR TO INSTALLATION.
- ALL EXISTING UTILITIES TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

FINAL PLANS

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TRIBUTARY TO INDIAN CREEK (PROJECT B)
CITY OF NEVEDA
NEVEDA, IOWA

GENERAL
LEGENDS, SYMBOLS AND GENERAL NOTES

SHEET NO.
G001

Xref: xg-0-000; xg-3-3-001

ITEM NUMBER	ITEM CODE	BID ITEM	QUANTITY	UNITS
DIVISION 1 - GENERAL				
1	1070-206-A	TEMPORARY TRAFIC CONTROL	1	LS
DIVISION 2 - EXCAVATION				
2	2010-108-C	CLEAR AND GRUBBING, TREE, BRUSH, AND ROCK REMOVAL	1	LS
3	2010-108-D-1	TOPSOIL, ONSITE, 6-INCH DEPTH (STRIP, SALVAGE, AND RESPREAD)	400	CY
4	2010-108-E	EXCAVATION, CLASS 13, HAUL OFF-SITE	75	CY
5	2010-108-E	EXCAVATION, CLASS 13, RESPREAD OFF-SITE	75	CY
6	2010-108-E	EXCAVATION, CLASS 13, REUSE ON-SITE	178	CY
DIVISION 9 - SITE WORK AND EROSION CONTROL				
7	9010-108-A	PERMANENT CONVENTIONAL SEEDING, FERTILIZING, AND MULCH, TYPE 6	269	SY
8	9010-108-B	TEMPORARY HYDRAULIC SEEDING AND MBFM (SUDAS TYPE 4)	2,470	SY
9	9010-108-B	PERMANENT HYDRAULIC SEEDING, FERTILIZING, AND MBFM (SUDAS NATVE GRASSES AND WILDFLOWERS)	2,200	SY
10	9010-108-E	WARRANTY, 3 YEAR ESTABLISHMENT AND MAINTENANCE	1	LS
11	9040-108-A-1	SWPPP PREPARATION	1	LS
12	9040-108-A-2	SWPPP MANAGEMENT	1	LS
13	9040-108-E	TEMPORARY RECP, TYPE 3B, NATURAL FIBER ONLY	494	SY
14	9040-108-J	RIP RAP, CLASS E	440	TON
15	9040-108-J	RIP RAP, CLASS E, SOIL CHOKED	50	TON
16	9040-108-J	MACADAM STONE	275	TON
17	9040-999-A	LIMESTONE CROSS VANE	29	EA
18	9040-108-O-1	STABILIZED CONSTRUCTION ENTRANCE	1	EA
19	9040-108-T-1	INLET PROTECTION DEVICE	4	EA
20	9040-108-T-2	INLET PROTECTION DEVICE, MAINTENANCE	4	EA
DIVISION 11 - SITE WORK AND EROSION CONTROL				
21	11010-A	CONSTRUCTION SURVEY	1	LS
22	11020-A	MOBILIZATION	1	LS

FINAL PLANS

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TRIBUTARY TO INDIAN CREEK (PROJECT B)
CITY OF NEVEDA
NEVEDA, IOWA

GENERAL
QUANTITIES

SHEET NO.
G003

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
DIVISION 1 - GENERAL		
1	1070-206-A	TEMPORARY TRAFFIC CONTROL A. CONTRACTOR TO PLACE TEMPORARY TRAFFIC CONTROL IN ORDER TO ALLOW FOR NORMAL USE OF ROADS IN ACCORDANCE WITH SUDAS
DIVISION 2 - EXCAVATION		
2	2010-108-C	CLEAR AND GRUBBING, TREE, BRUSH, AND ROCK REMOVAL A. CONTRACTOR TO FURNISH ALL TOOLS, EQUIPMENT, LABOR AND MATERIALS NECESSARY TO CLEAR AND GRUBBING IN COMPLIANCE WITH THE CONTRACT DOCUMENTS B. INCLUDES REMOVAL AND LEGAL DISPOSAL OF TREES, SHRUBS, OR OTHER MATERIALS AND PLACEMENT OF BACKFILL IN AREA WHERE ROOTS HAVE BEEN REMOVED C. PROTECTION OF TREES AND SHRUBS TO REMAIN SHALL BE INCIDENTAL TO THIS ITEM. CONTRACTOR IS NOT TO CLEAR AND GRUB OUTSIDE OF THE CONSTRUCTION LIMITS NOTED ON THE PLAN AND PROFILE SHEETS. ONLY THE MINIMUM CLEARING AND GRUBBING TO TAKE PLACE AS NECESSARY TO COMPLETE THE PROJECT D. 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
3	2010-108-D-1	TOPSOIL, ONSITE, 6-INCH DEPTH (STRIP, SALVAGE, AND RESPREAD) A. TOPSOIL TO BE STRIPPED, SALVAGED, AND APPLIED (6 INCH MINIMUM) WITHIN NEWLY GRADED AREAS BEFORE SEEDING B. ANY EXCESS TOPSOIL IS THE PROPERTY OF THE OWNER AND TO BE STOCKPILED AT A LOCATION ON-SITE AT THE DISCRETION OF THE OWNER. C. ADEQUATE EROSION CONTROL MEASURES FOR STOCKPILED SOIL SHALL BE PROVIDED BY THE CONTRACTOR, AND ARE INCIDENTAL TO THIS BID ITEM
4	2010-108-E	EXCAVATION, CLASS 13, HAUL OFF-SITE A. ITEM TO ONLY BE USED AT THE DIRECTION OF THE OWNER. B. CONTRACTOR WILL NOT BE PAID FOR HAUL-OFF EXCAVATION WITHOUT PRIOR PERMISSION FROM THE OWNER AND AGREEMENT ON QUANTITY. C. ITEM TO BE MEASURED BY TRUCK LOAD.
5	2010-108-E	EXCAVATION, CLASS 13, RESPREAD OFF-SITE A. CAD QUANTITIES: CUT = 320 CY & FILL = 132 CY B. RESPREAD ON-SITE = CUT + ROCK VOL. - REUSE ONSITE = 320 + 498 - 178 = 640 CY C. EXCAVATION QUANTITIES ESTIMATED COMPARING EXISTING SURFACE TO PROPOSED SURFACE AND A 1.35 FILL FACTOR D. IT IS THE INTENTION TO RESPREAD OR STOCKPILE ALL EXCESS SOIL AT 445 11TH STREET. HOWEVER, IF ANY SOIL IS DEEMED UNDESIRABLE BY THE OWNER DUE TO EXCESS ROOTS, ROCK, DEBRIS, ETC. THIS SOIL WILL BE HAULED OFF-SITE IN A SEPARATE BID ITEM (ITEM 4). THE CONTRACTOR WILL BE PAID PLAN QUANTITY LESS THE VOLUME OF SOIL THAT IS DEEMED UNSUITABLE AND TRANSFERRED TO ITEM 4.
6	2010-108-E	EXCAVATION, CLASS 13, REUSE ON-SITE A. CAD QUANTITIES: CUT = 320 CY & FILL = 132 CY B. REUSE ONSITE = 1.35 X FILL = 1.35 X 132 = 178 C. EXCAVATION QUANTITIES ESTIMATED COMPARING EXISTING SURFACE TO PROPOSED SURFACE AND A 1.35 FILL FACTOR D. CONTRACTOR SHALL BE PAID THE PLAN QUANTITY
DIVISION 9 - SITE WORK AND EROSION CONTROL		
7	9010-108-A	PERMANENT CONVENTIONAL SEEDING, FERTILIZING, AND MULCH, TYPE 6 A. CONTRACTOR TO USE THE TYPE 6 MIXTURE ACCORDING TO SUDAS B. THE CONTRACTOR SHALL WATER THE SEEDED AREAS NO LESS THAN TWICE PER WEEK FOR THE FIRST TWO WEEKS, NO LESS THAN ONCE PER WEEK FOR THE NEXT TWO WEEKS, AND AS NECESSARY UNTIL SEEDED AREA IS ACCEPTED BY THE OWNER C. WATERING IS INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE D. CONTRACTOR TO OBTAIN SEED BED PREP APPROVAL PRIOR TO SEEDING E. TO BE PAID PLAN QUANTITY F. THIS INCLUDES SEEDBED PREP BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL G. IMMEDIATELY COVER ALL SEEDED AREAS WITH MULCH AND RECP
8	9010-108-B	TEMPORARY HYDRAULIC SEEDING AND MBFM (SUDAS TYPE 4) A. CONTRACTOR TO USE THE TYPE 4 MIXTURE ACCORDING TO SUDAS B. THE CONTRACTOR SHALL WATER THE SEEDED AREAS NO LESS THAN TWICE PER WEEK FOR THE FIRST TWO WEEKS, NO LESS THAN ONCE PER WEEK FOR THE NEXT TWO WEEKS, AND AS NECESSARY UNTIL SEEDED AREA IS ACCEPTED BY THE OWNER C. WATERING IS INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE D. CONTRACTOR TO OBTAIN SEED BED PREP APPROVAL PRIOR TO SEEDING E. TO BE PAID PLAN QUANTITY F. THIS INCLUDES BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL G. ITEM IS ONLY NEEDED IF PERMANENT SEEDING CAN NOT BE COMPLETED WITHIN THE SUDAS SPECIFIED SEEDING WINDOW H. ITEM ONLY INTENDED FOR USE IF SEEDING WINDOWS CAN NOT BE MET FOR PERMANENT SEEDING. CONTRACTOR TO OBTAIN PERMISSION FROM OWNER OR ENGINEER PRIOR TO APPLICATION.
9	9010-108-B	PERMANENT HYDRAULIC SEEDING, FERTILIZING, AND MBFM (SUDAS NATIVE GRASSES AND WILDFLOWERS) A. CONTRACTOR TO USE THE NATIVE GRASSES MIXTURE ACCORDING TO SUDAS B. THE CONTRACTOR SHALL WATER THE SEEDED AREAS NO LESS THAN TWICE PER WEEK FOR THE FIRST TWO WEEKS, NO LESS THAN ONCE PER WEEK FOR THE NEXT TWO WEEKS, AND AS NECESSARY UNTIL SEEDED AREA IS ACCEPTED BY THE OWNER C. WATERING IS INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE D. CONTRACTOR TO OBTAIN SEED BED PREP APPROVAL PRIOR TO SEEDING E. TO BE PAID PLAN QUANTITY F. SEED BED PREP INCLUDES BUT IS NOT LIMITED TO SMOOTHING AND RUTTING OF RESTORATION OF TOPSOIL G. SEEDING TO BE COMPLETED IN THE APRIL 1 - JUNE 30 SEEDING WINDOW H. CONTRACTOR SHALL SUBMIT A LETTER OF CONFIRMATION OF SEED VARIETIES AND MATERIAL SOURCE PRIOR TO PROCUREMENT AND INSTALLATION I. CONTRACTOR TO PROVIDE PROOF OF 5 PROJECTS USING NATIVE PLANTS OR UTILIZE QUALIFIED SUB J. ICIA YELLOW TAG CERTIFIED SEED ONLY. ALL SEED MUST BE SOURCED WITHIN A 200-MILE RADIUS OF THE PROJECT (GENETIC ORIGIN NOT NURSERY LOCATION). DOCUMENTATION MUST BE PROVIDED. K. IMMEDIATELY COVER ALL SEEDED AREAS WITH RECP

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
10	9010-108-E	WARRANTY, 3 YEAR ESTABLISHMENT AND MAINTENANCE A. DURING THE ESTABLISHMENT WINDOW A QUALIFIED NATIVE PLANT SPECIALIST WILL MONITOR THE SITE 3 TIMES IN YEAR 1 AND 2 TIMES IN YEARS 2 AND 3 AND PROVIDE AN ESTABLISHMENT REPORT THAT INCLUDES MAINTENANCE ITEMS PERFORMED AND % COVERAGE B. SATISFACTORY ESTABLISHMENT INCLUDES 70% COVERAGE AFTER 1 GROWING SEASON, 90% COVERAGE AFTER 2 GROWING SEASONS, AND 95% COVERAGE AFTER 3 GROWING SEASONS C. YEAR 1 ESTABLISHMENT ITEMS INCLUDE: MOWING "KNEE HIGH" (UNDER 4 FT) TO 6" THROUGHOUT JUNE, JULY, AND AUGUST, SPARING APPLICATION OF HERBICIDES AS NEEDED D. YEAR 2 ESTABLISHMENT ITEMS INCLUDE: MOWING 1 TIME ONCE WEEDS ARE 3-4 FT TALL TO AND 8-12" HEIGHT E. YEAR 3 PRESCRIBED BURN ACCORDING TO EXHIBIT 11-4-1 "PRESCRIBED BURN SCHEDULE" IN THE ISWMM DOCUMENTATION F. ITEM DOES NOT INCLUDE RE-SEEDING. CONTRACTOR WILL NOTIFY CITY AND ENGINEER IF RESEEDING IS NEEDED. UNIT COST FOR RESEEDING SHALL NOT EXCEED ORIGINAL NATIVE SEEDING COSTS G. CONTRACTOR TO FOLLOW MAINTENANCE GUIDE PROVIDED IN CONTRACT DOCUMENTS
11	9040-108-A-1	SWPPP PREPARATION A. FINAL SWPPP TO BE APPROVED BY THE ENGINEER
12	9040-108-A-2	SWPPP MANAGEMENT A. ITEM INCLUDES ALL WORK RELATED TO COMPLY WITH THE ADMINISTRATIVE PROVISIONS OF THE IOWA DNR NPDES GENERAL PERMIT NO. 2, INCLUDING RECORD KEEPING, DOCUMENTATION, UPDATING THE SWPPP, WEEKLY INSPECTIONS, FILING THE NOTE OF DISCONTINUATION, ETC. B. ITEM INCLUDES FURNISHING ALL TOOLS, EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLY WITH THE SWPPP AS NEEDED FOR THE PROJECT. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, INSTALLATION OF SILT FENCE AROUND SOIL STOCKPILES AND APPLICATION OF WATER FOR DUST CONTROL AND STRAW MULCH IF INACTIVITY CONDITIONS ARE MET
13	9040-108-E	TEMPORARY 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 SEEDING.
14	9040-108-J	RIP RAP, CLASS E A. ITEM TO BE USED AS SHOWN FOR BED PROTECTION, RIPRAP APRONS, AND STONE TOE PROTECTION B. SEE SHEETS C.201-C.203 FOR PLAN AND PROFILE LOCATION C. REFER TO SHEETS C.502 AND C.503 FOR DETAILS D. NO PAYMENT OF THE ITEM ABOVE PLAN QUANTITY UNLESS PRE-APPROVED E. FILTER FABRIC IS INCIDENTAL
15	9040-108-J	RIP RAP, CLASS E, SOIL CHOKED A. IN AREAS CALLED OUT AS SOIL CHOKED RIPRAP, PLACE RIP RAP AS NORMAL, FILL WITH A LIGHT LAYER OF SOIL, SEED, AND PLACE RECP B. NO PAYMENT OF THE ITEM ABOVE PLAN QUANTITY UNLESS PRE-APPROVED C. FILTER FABRIC IS INCIDENTAL D. ITEM TO BE PAID BY PLAN QUANTITY
16	9040-108-J	MACADAM STONE A. ITEM TO BE USED AS SHOWN BELOW BED PROTECTION AND TOE ROCK B. SEE SHEETS C.201-C.203 FOR PLAN AND PROFILE LOCATION C. REFER TO SHEETS C.502 FOR DETAILS D. NO PAYMENT OF THE ITEM ABOVE PLAN QUANTITY UNLESS PRE-APPROVED E. FILTER FABRIC IS INCIDENTAL
17	9040-999-A	LIMESTONE CROSS VANE A. ITEM SHALL INCLUDE THE PLACEMENT OF 12" H, 24" D, 48" W LIMESTONE BLOCKS AS CHECK DAMS IN LOCATIONS SHOWN ON PLANS B. ITEM SHALL INCLUDE STONE BASE AND SUBGRADE PREP C. ITEM TO BE PAID PLAN QUANTITY UNLESS PRE APPROVED BY THE ENGINEER D. BLOCK SIZE AND PLACEMENT SUBJECT TO APPROVAL
18	9040-108-O-1	STABILIZED CONSTRUCTION ENTRANCE A. ITEM INCLUDES FURNISHING AND INSTALLING ENGINEERING FABRIC BENEATH THE STONE MATERIAL B. CONTRACTOR TO FURNISH ALL TOOLS, EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION ENTRANCES C. MINIMUM 6-INCH THICKNESS REQUIRED
19	9040-108-T-1	INLET PROTECTION DEVICE A. ITEM SHALL INCLUDE THE INSTALLATION OF A FILTERSOCK WHERE SHOWN ON THE PLAN
20	9040-108-T-2	INLET PROTECTION DEVICE, MAINTENANCE A. ITEM INCLUDES FURNISHING LABOR AND MATERIALS NEEDED TO CLEAR SEDIMENT FROM PROTECTION DEVICES AS NEEDED
DIVISION 11 - SITE WORK AND EROSION CONTROL		
21	11010-A	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 RESETTling AND FILING OF TIE CERTIFICATES OF ALL DISTURBED SECTION OR LOT CORNERS
22	11020-A	MOBILIZATION A. CONTRACTOR TO NOTIFY ENGINEER AND CITY PRIOR TO MOBILIZING

FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 3/10/2025 2:22:22 PM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\G\G004 ERI NOTES.dwg

NO.	DATE	BY	REVISION DESCRIPTION



TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVEDA
 NEVEDA, IOWA

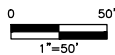
GENERAL
 ERI NOTES - ESTIMATE REFERENCE

SHEET NO.
 G004

Xref: xgt-1-dm1



1 CONTROL PLAN
SCALE: 1" = 50'



CONTROL POINT				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
5020	FNDPIN 5/8IN IP YPC 15268	993.42	3471297.28	4929054.73
5905	CTLSTA MAG	954.98	3471220.89	4930081.16
5906	CTLSTA MAG	964.88	3471317.01	4929717.57
5913	CTLSTA CUT X	989.91	3470830.70	4929429.57

FINAL PLANS

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 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 3/14/2023 1:19:58 PM
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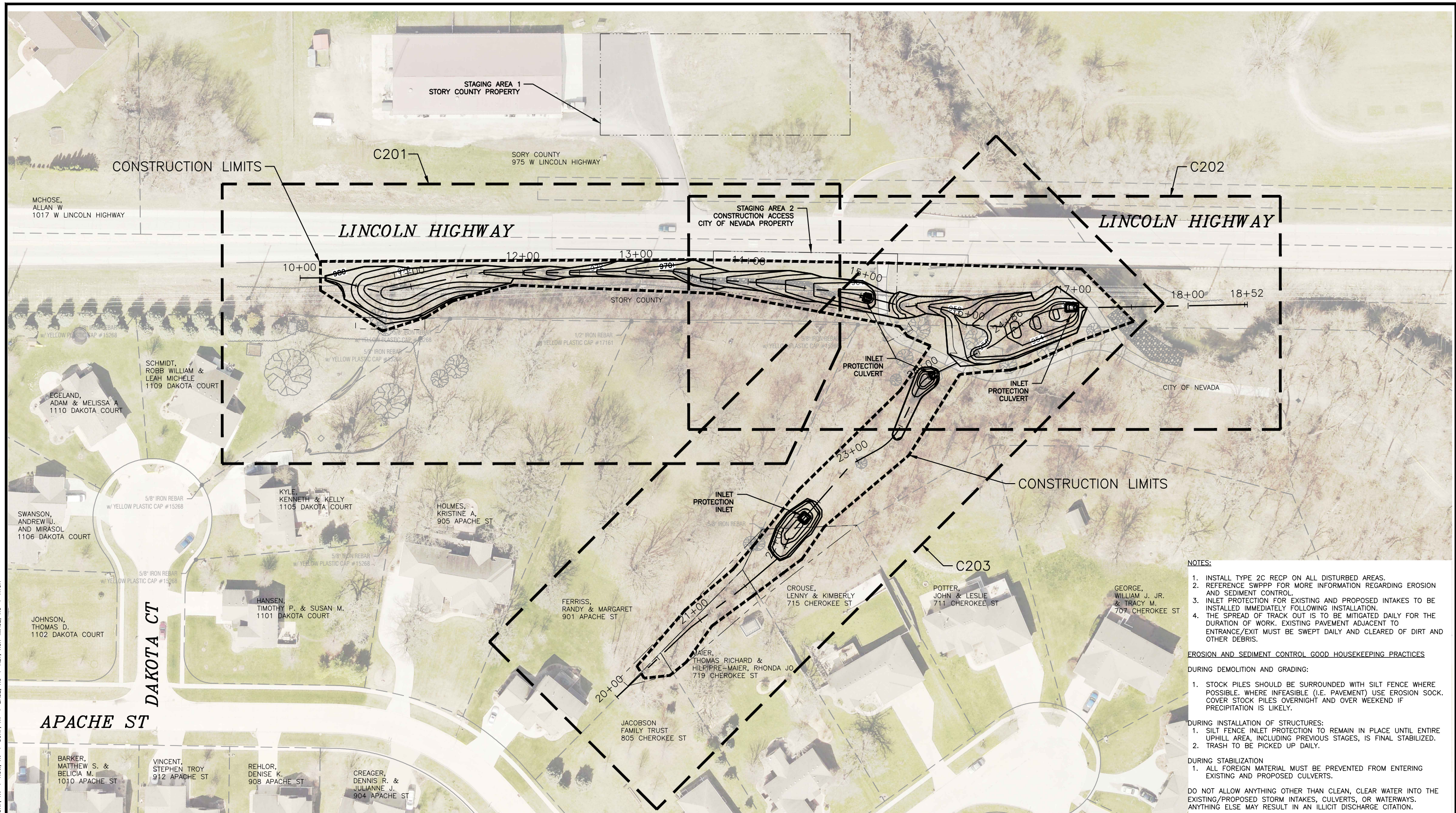


TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVEDA
 NEVEDA, IOWA

GENERAL
 SURVEY CONTROL

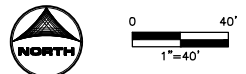
SHEET NO.
G005

Xrefs: XV-1-BASE; XV-1-SURF; XV-2-ROW; XCI-IMAGE; xgl-1-dh01



- NOTES:**
1. INSTALL TYPE 2C RECP ON ALL DISTURBED AREAS.
 2. REFERENCE SWPPP FOR MORE INFORMATION REGARDING EROSION AND SEDIMENT CONTROL.
 3. INLET PROTECTION FOR EXISTING AND PROPOSED INTAKES TO BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION.
 4. THE SPREAD OF TRACK OUT IS TO BE MITIGATED DAILY FOR THE DURATION OF WORK. EXISTING PAVEMENT ADJACENT TO ENTRANCE/EXIT MUST BE SWEEPED DAILY AND CLEARED OF DIRT AND OTHER DEBRIS.
- EROSION AND SEDIMENT CONTROL GOOD HOUSEKEEPING PRACTICES**
- DURING DEMOLITION AND GRADING:**
1. STOCK PILES SHOULD BE SURROUNDED WITH SILT FENCE WHERE POSSIBLE. WHERE INFEASIBLE (I.E. PAVEMENT) USE EROSION SOCK. COVER STOCK PILES OVERNIGHT AND OVER WEEKEND IF PRECIPITATION IS LIKELY.
- DURING INSTALLATION OF STRUCTURES:**
1. SILT FENCE INLET PROTECTION TO REMAIN IN PLACE UNTIL ENTIRE UPHILL AREA, INCLUDING PREVIOUS STAGES, IS FINAL STABILIZED.
 2. TRASH TO BE PICKED UP DAILY.
- DURING STABILIZATION**
1. ALL FOREIGN MATERIAL MUST BE PREVENTED FROM ENTERING EXISTING AND PROPOSED CULVERTS.
- DO NOT ALLOW ANYTHING OTHER THAN CLEAN, CLEAR WATER INTO THE EXISTING/PROPOSED STORM INTAKES, CULVERTS, OR WATERWAYS. ANYTHING ELSE MAY RESULT IN AN ILLICIT DISCHARGE CITATION.

1 OVERALL SITE PLAN, EROSION CONTROL & KEY PLAN
SCALE: 1" = 40'



FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 1/15/2025 8:16:23 AM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C101

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 OVERALL SITE PLAN.dwg

NO.	DATE	BY	REVISION DESCRIPTION



TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVADA
 NEVADA, IOWA

CIVIL
 OVERALL SITE PLAN, EROSION CONTROL & KEY PLAN

SHEET NO.
C101

Xrefs: xref-1-dwg1: XC-1-ALGN; XC-1-BASE; XC-1-KEY; XC-1-MAGE; XC-1-HTCH

LINCOLN
HIGHWAY

LINCOLN
HIGHWAY

LINCOLN HIGHWAY ROW

STORY COUNTY

CITY OF NEVADA

SCHMIDT,
ROBB WILLIAM &
LEAH MICHELE
1109 DAKOTA
COURT

KYLE,
KENNETH &
KELLY
1105 DAKOTA
COURT

HOLMES,
KRISTINE A,
905 APACHE
ST

FERRISS,
RANDY &
MARGARET
901 APACHE ST

GEORGE,
WILLIAM J. JR.
& TRACY M.
707 CHEROKEE ST

POTTER,
JOHN & LESLIE
711 CHEROKEE ST

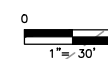
CROUSE,
LENNY & KIMBERLY
715 CHEROKEE ST

MAIER,
THOMAS RICHARD &
HILPIPRE-MAIER, RHONDA JO
719 CHEROKEE ST

JACOBSON
FAMILY TRUST
805 CHEROKEE ST

- ① SCHMIDT, ROBB WILLIAM & LEAH MICHELE
1109 DAKOTA COURT
AREA OF EASEMENT 611 SF
EASEMENT TYPE: PERMANENT MAINTENANCE EASEMENT
GRANTED TO THE CITY
- ② FERRISS, RANDY & MARGARET
901 APACHE ST
AREA OF EASEMENT 2060 SF
EASEMENT TYPE: PERMANENT MAINTENANCE EASEMENT
GRANTED TO THE CITY
- ③ JACOBSON FAMILY TRUST
805 CHEROKEE ST
AREA OF EASEMENT 469 SF
EASEMENT TYPE: PERMANENT MAINTENANCE EASEMENT
GRANTED TO THE CITY
- ④ MAIER, THOMAS RICHARD & HILPIPRE-MAIER, RHONDA JO
719 CHEROKEE ST
AREA OF EASEMENT 2715 SF
EASEMENT TYPE: PERMANENT MAINTENANCE EASEMENT
GRANTED TO THE CITY
- ⑤ CROUSE, LENNY & KIMBERLY
715 CHEROKEE ST
AREA OF EASEMENT 3105 SF
EASEMENT TYPE: PERMANENT MAINTENANCE EASEMENT
GRANTED TO THE CITY

1 ACQUISITION PLAN
SCALE: 1" = 30'



FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
APPROVED: KB JOB NUMBER: 191900.03
CAD DATE: 1/8/2024 8:54:45 PM
CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C102 ACQUISITION PLAN.dwg

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NO.	DATE	BY	REVISION DESCRIPTION

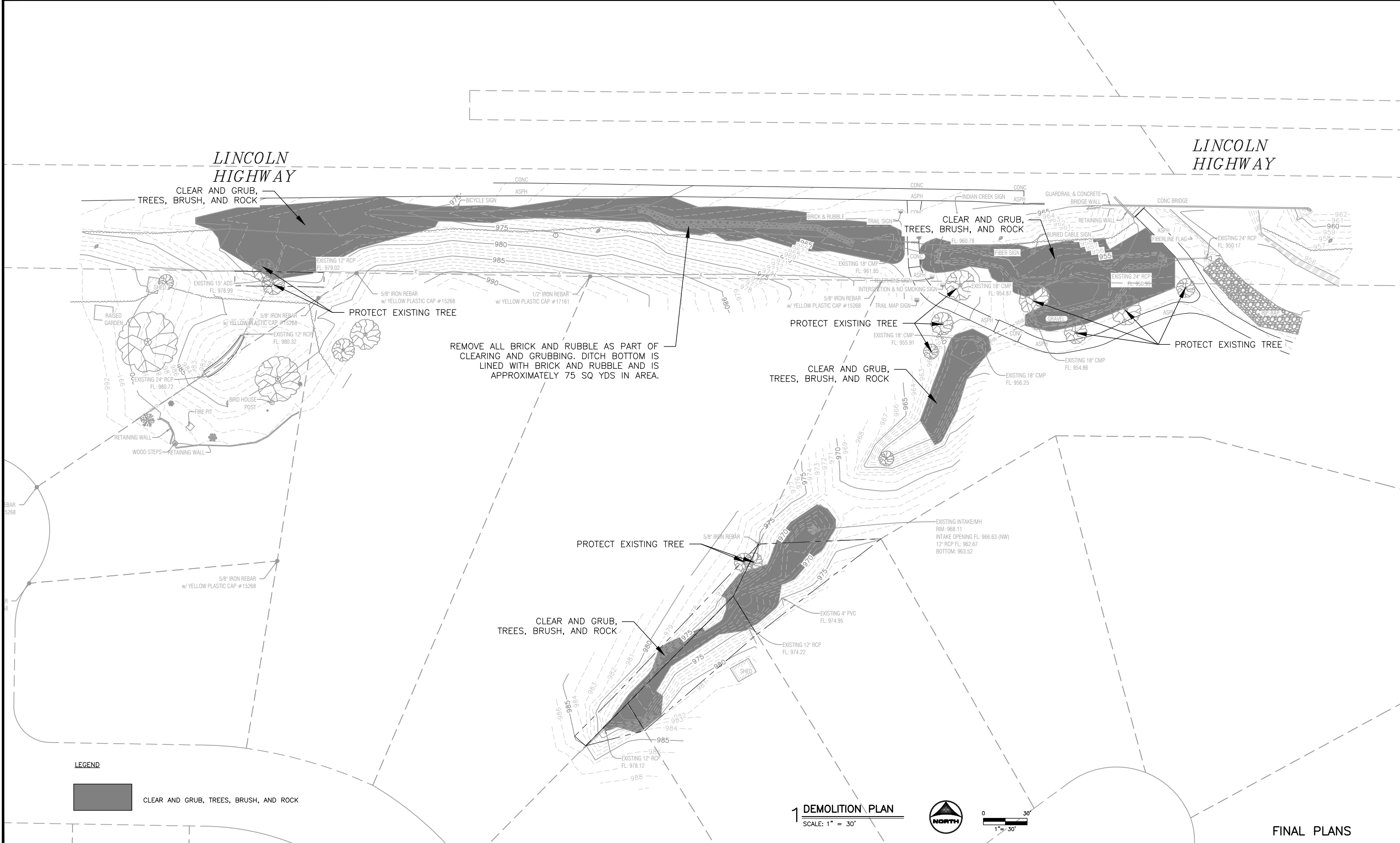


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CITY OF NEVADA
NEVADA, IOWA


CIVIL
ACQUISITION PLAN

SHEET NO.
C102

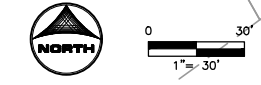
Xref: xgt-1-dh01: XV-1-ROW; XV-1-BASE; XV-1-SURF; XC-1-EASEMENT



LEGEND

 CLEAR AND GRUB, TREES, BRUSH, AND ROCK

1 DEMOLITION PLAN
SCALE: 1" = 30'



FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 1/10/2024 9:37:43 AM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C103 DEMO PLAN.dwg

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NO.	DATE	BY	REVISION DESCRIPTION

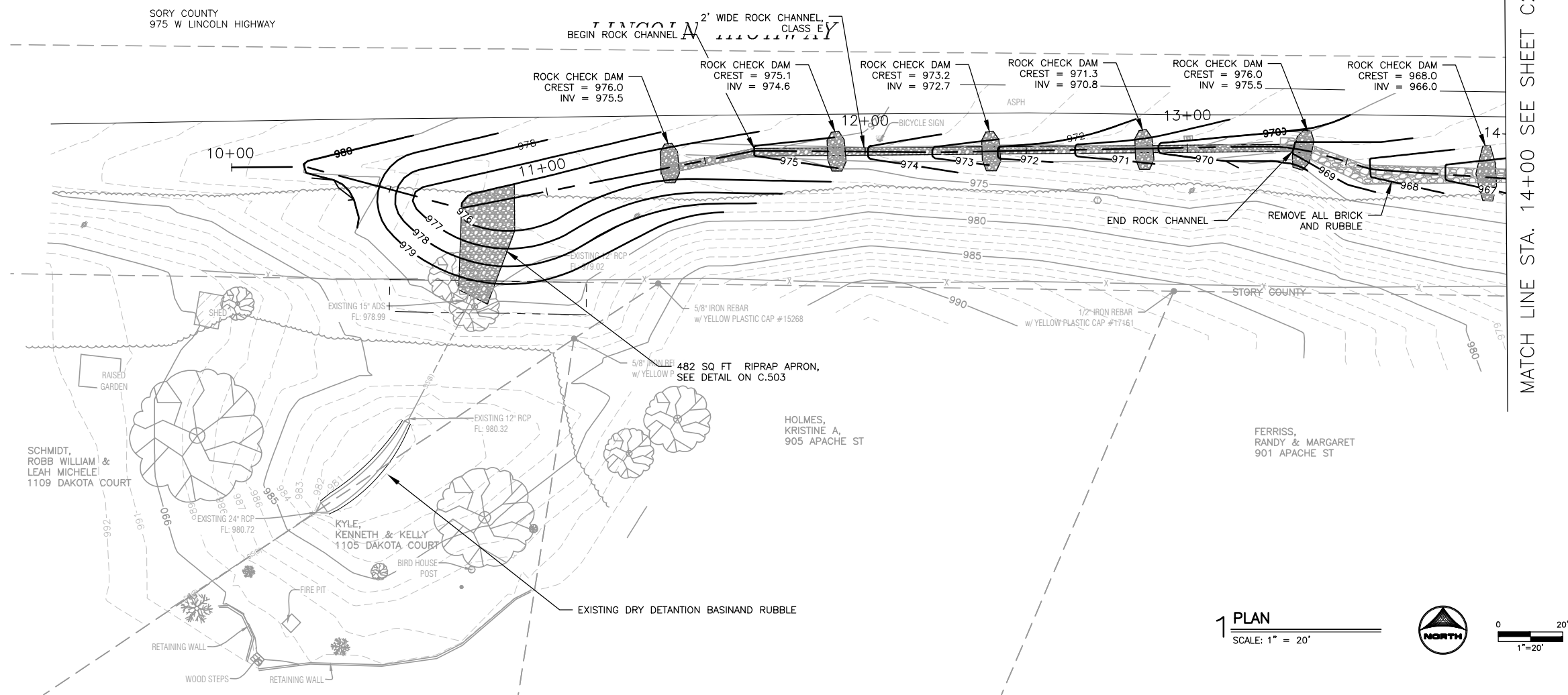


TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVADA
 NEVADA, IOWA

CIVIL
DEMOLITION PLAN

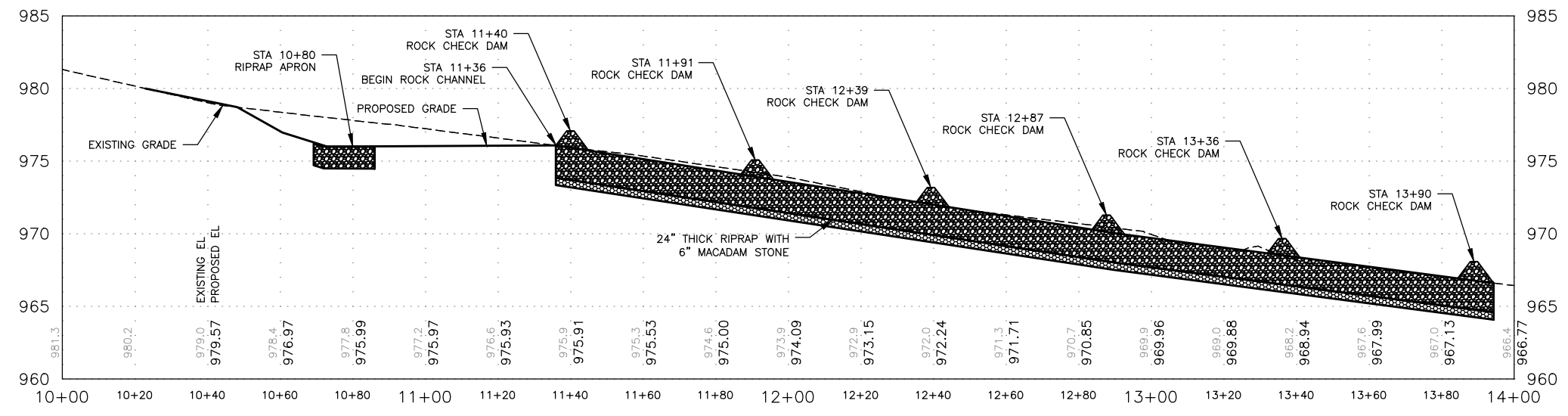
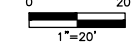
SHEET NO.
C103

XC-1-ALGN; XC-1-SURF; XY-1-ROW; XC-1-PROF; XY-1-BASE; XC-1-HIGH; XC-1-DEMO-HIGH; BAR 5268



MATCH LINE STA. 14+00 SEE SHEET C202

1 PLAN
SCALE: 1" = 20'



2 PROFILE
SCALE: 1" = 20'

FINAL PLANS

Xrefs: xg=1-df01; XC-1-ALIGN; XC-1-SURF; XY-1-ROW; XC-1-PROF; XY-1-BASE; XV-1-SURF; XCX-IMAGE; XC-1-HIGH

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APPROVED: KB	JOB NUMBER: 191900.03	0" = 1"
CAD DATE: 2/12/2025 9:55:08 AM		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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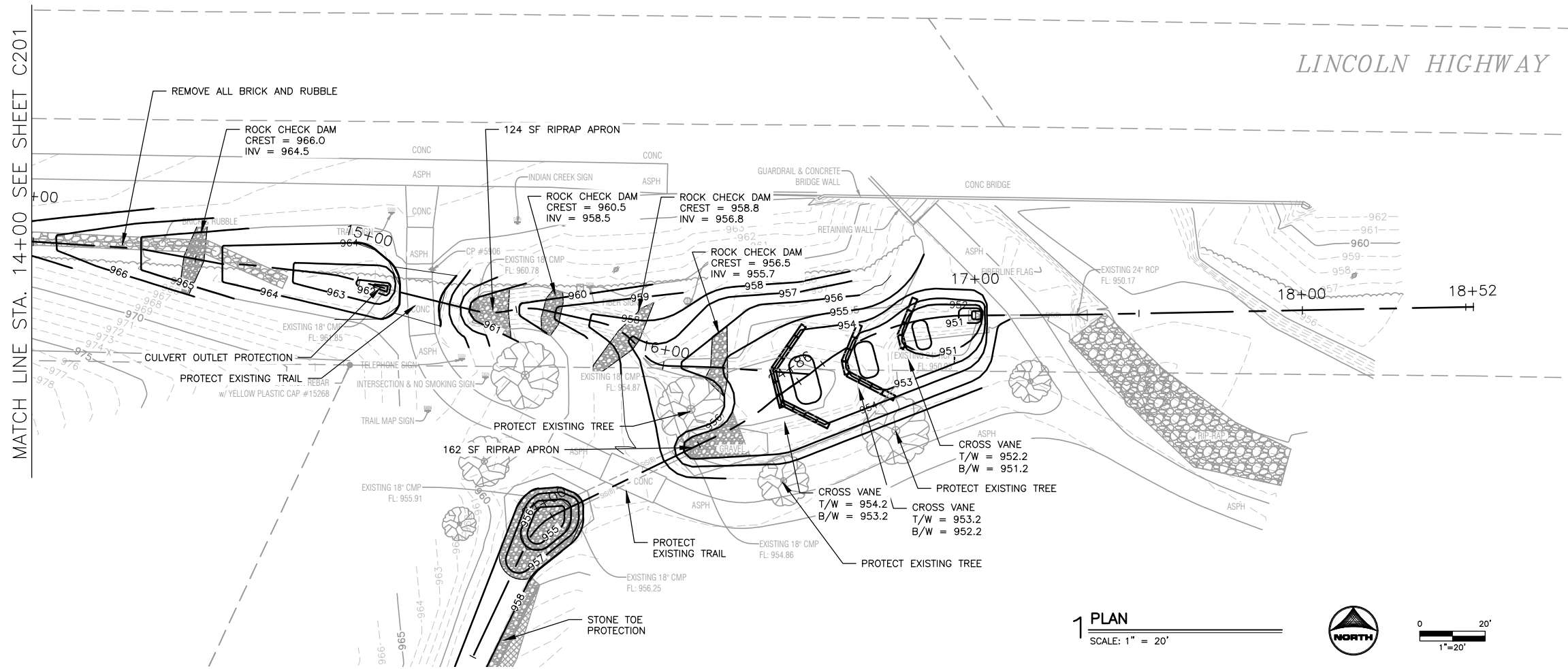
NO.	DATE	BY	REVISION DESCRIPTION

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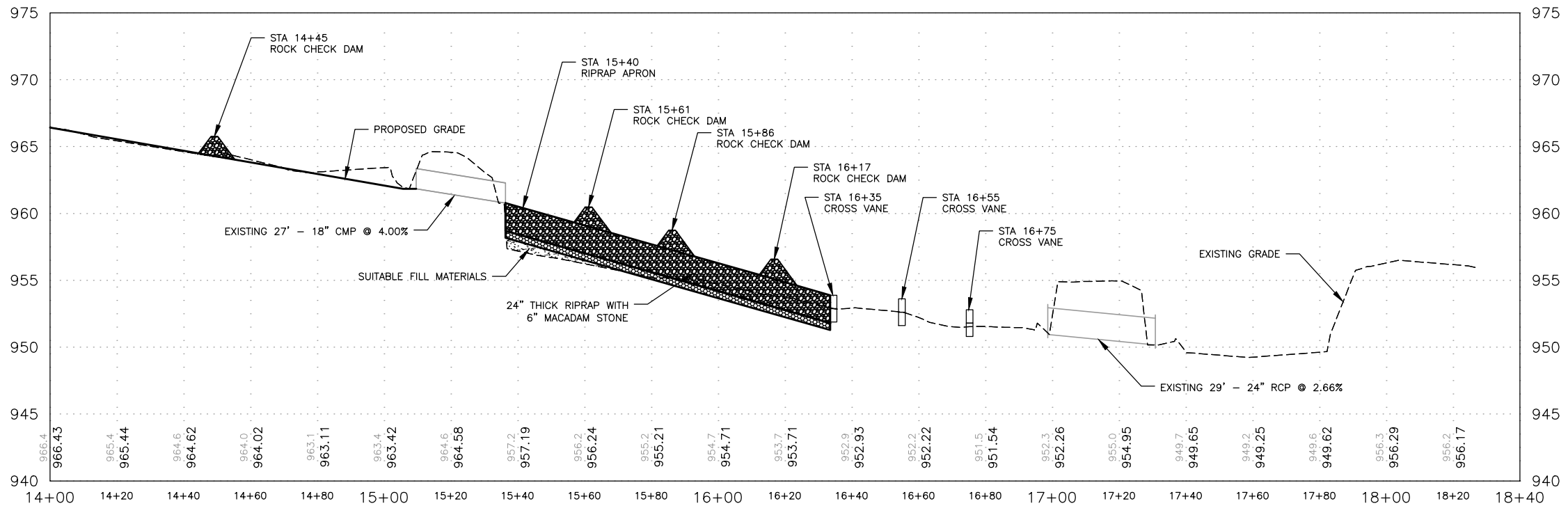
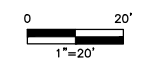
TRIBUTARY TO INDIAN CREEK (PROJECT B)
CITY OF NEVEDA
NEVEDA, IOWA

CIVIL
PLAN & PROFILE - STA 10+00 TO 14+00

SHEET NO.
C201



1 PLAN
SCALE: 1" = 20'



2 PROFILE
SCALE: 1" = 20'

FINAL PLANS

Xrefs: xg1-1-df01; XC-1-ALIGN; XC-1-SURF; XY-1-ROW; XC-1-PROF; XY-1-BASE; XV-1-SURF; XCX-IMAGE; XC-1-HIGH

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NO.	DATE	BY	REVISION DESCRIPTION

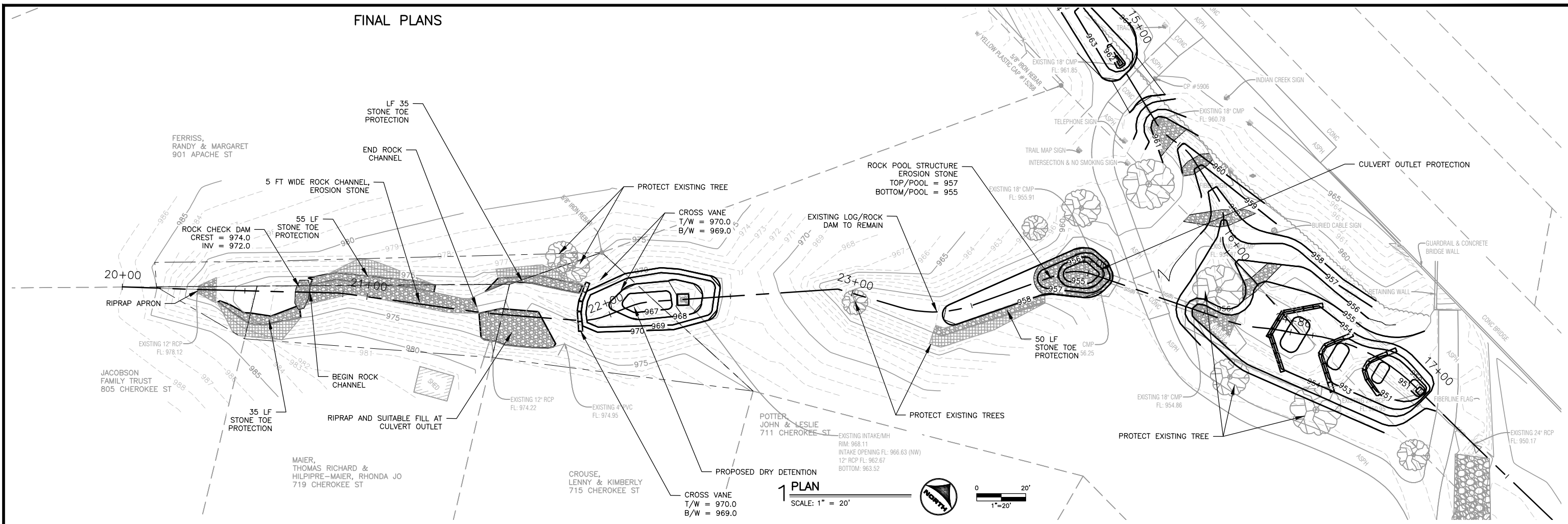


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CITY OF NEVADA
NEVADA, IOWA

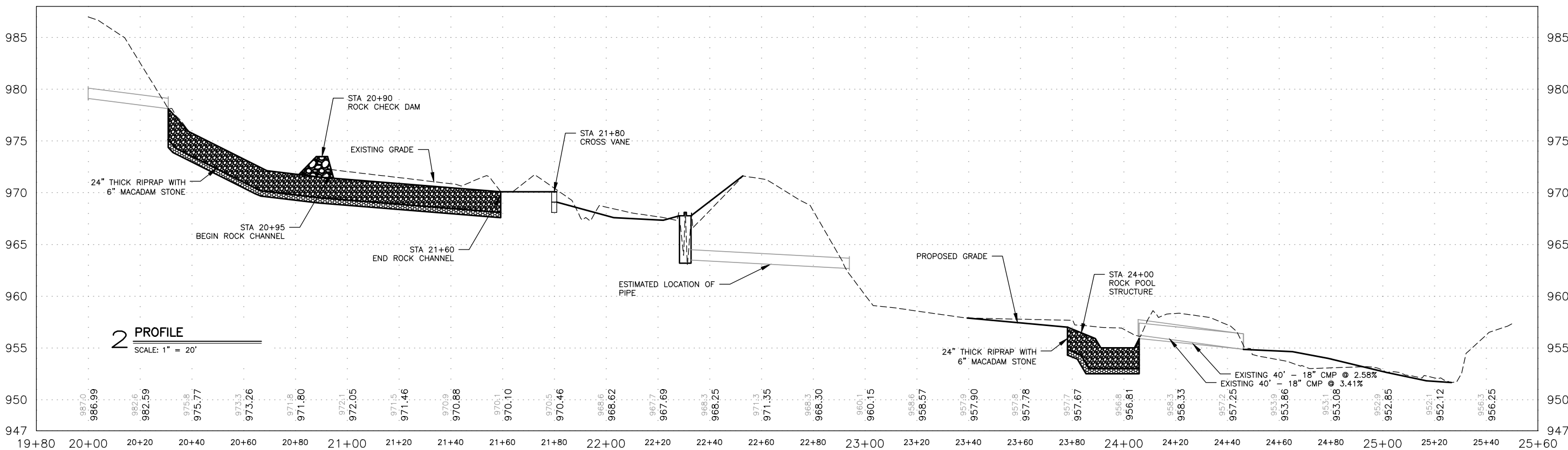
CIVIL
PLAN & PROFILE - STA 14+00 TO 18+40

SHEET NO.
C202

FINAL PLANS



1 PLAN
SCALE: 1" = 20'



2 PROFILE
SCALE: 1" = 20'

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APPROVED: KB
CAD DATE: 2/12/2025 10:17:39 AM
CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C203 PLAN & PROFILE - STA 19+80 TO 25+60.dwg

JOB DATE: 2025
JOB NUMBER: 191900.03

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NO.	DATE	BY	REVISION DESCRIPTION



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CITY OF NEVADA
NEVADA, IOWA

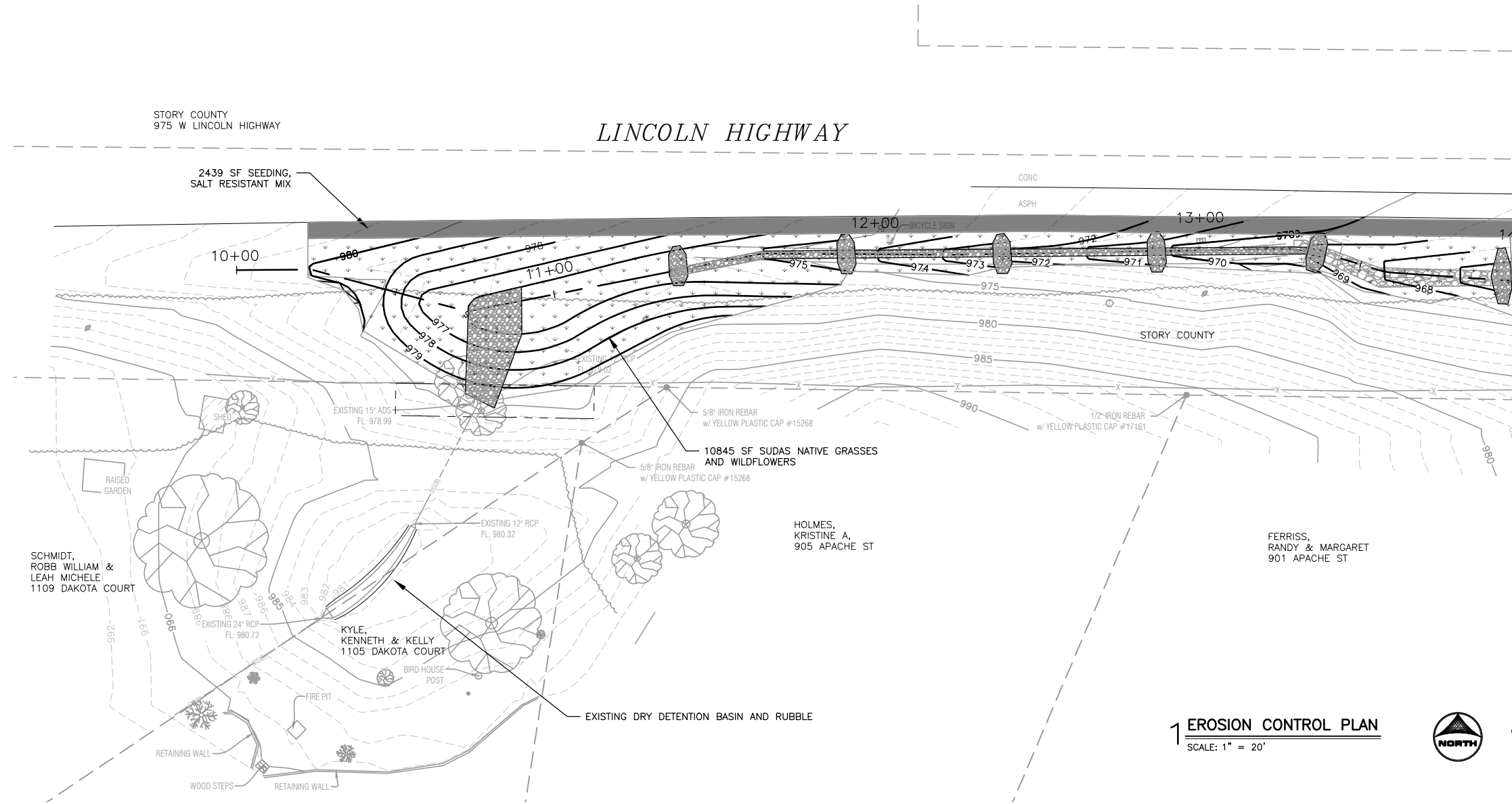
CIVIL
PLAN & PROFILE - STA 19+80 TO 25+60

SHEET NO.
C203

Xref: xg1-dm01: XC-1-ALIGN; XC-1-SURF; XY-1-ROW; XC-1-PROF; XY-1-BASE; XY-1-SURF; XC-1-IMAGE; XC-1-HIGH

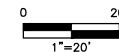
STORY COUNTY
975 W LINCOLN HIGHWAY

LINCOLN HIGHWAY






MATCH LINE STA. 14+00 SEE SHEET C202

1 EROSION CONTROL PLAN
SCALE: 1" = 20'



LEGEND

-  SALT RESISTANT GRASS MIX WITH TEMP RECP
-  SUDAS NATIVE GRASSES AND WILDFLOWERS
-  RIPRAP

FINAL PLANS

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 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 1/17/2025 9:54:44 AM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C204 EOC - STA 9+80 TO 14+00.dwg

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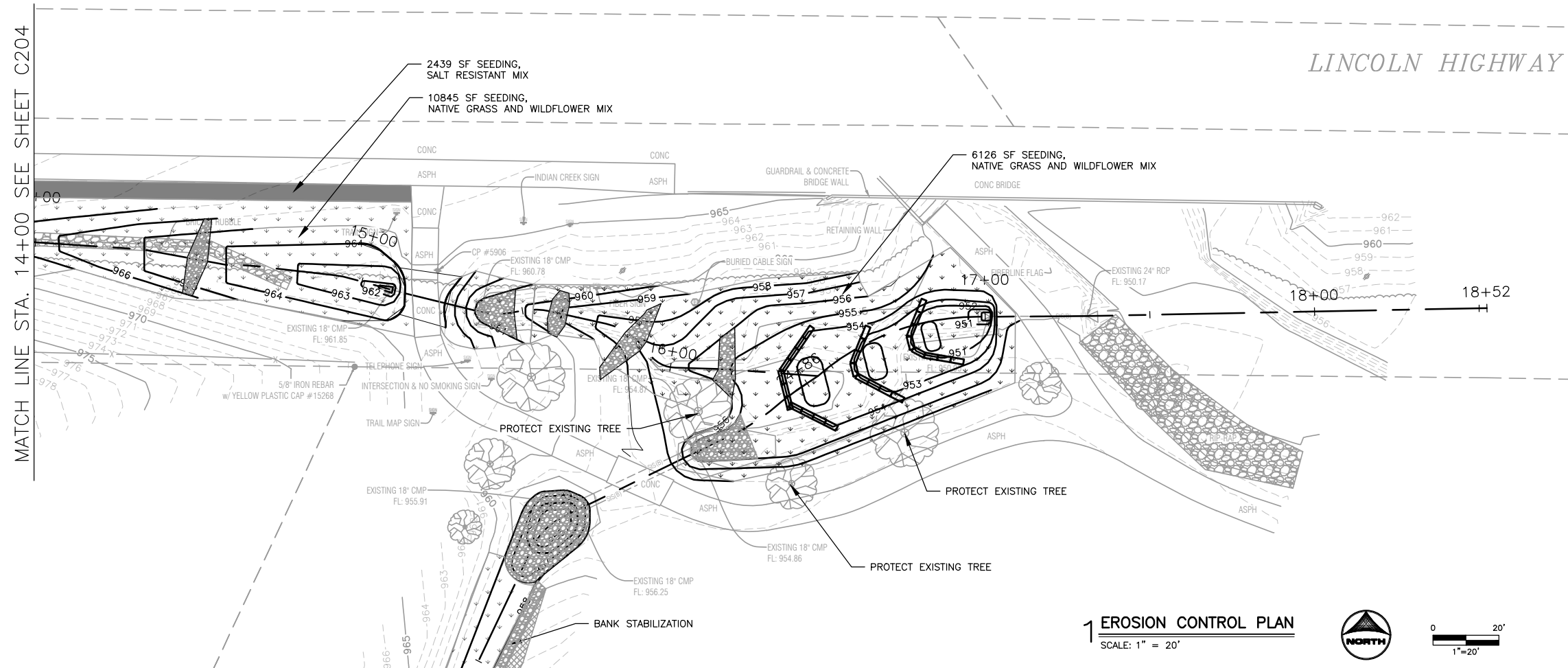


TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVEDA
 NEVEDA, IOWA

CIVIL
 RESTORATION - STA 9+80 TO 14+00

SHEET NO.
C204

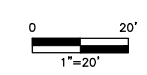
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MATCH LINE STA. 14+00 SEE SHEET C204

LINCOLN HIGHWAY

1 EROSION CONTROL PLAN
SCALE: 1" = 20'



LEGEND

- SALT RESISTANT GRASS MIX WITH TEMP RECP
- SUDAS NATIVE GRASSES AND WILDFLOWERS
- RIPRAP

FINAL PLANS

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APPROVED: KB	JOB NUMBER: 191900.03	0	1"
CAD DATE: 2/12/2025 10:00:21 AM		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C205 EOC - STA 14+00 TO 18+52.dwg			

NO.	DATE	BY	REVISION DESCRIPTION

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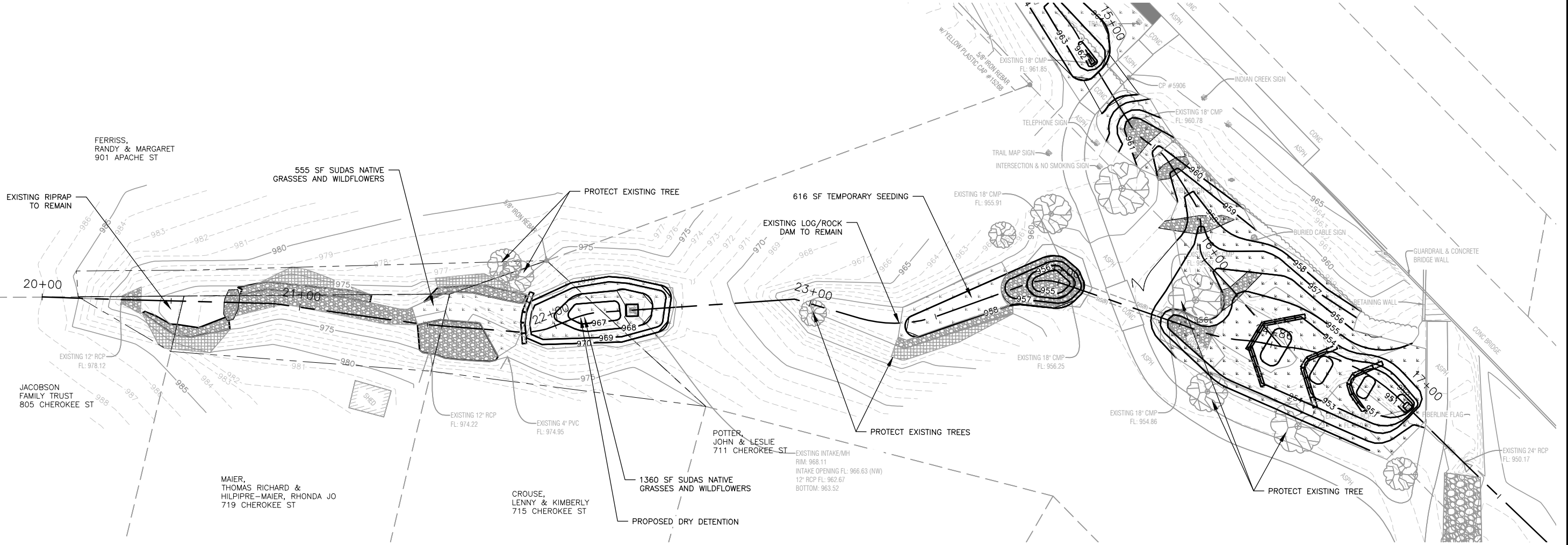
TRIBUTARY TO INDIAN CREEK (PROJECT B)
CITY OF NEVEDA
NEVEDA, IOWA

CIVIL
RESTORATION - STA 14+00 TO 18+40

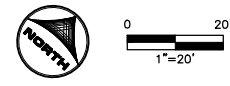
SHEET NO.
C205

Xrefs: xgl-1-dwg1; XC-1-ALIGN; XC-1-SURF; XY-1-ROW; XC-1-PROF; XC-1-IMAGE; XC-1-HATCH; XC-1-REST-HATCH

X:\gis\1-2025\191900\CAD - Tributary\Dwgs\C206 EOC - STA 19+80 TO 25+60.dwg



1 EROSION CONTROL PLAN
SCALE: 1" = 20'



LEGEND

- SALT RESISTANT GRASS MIX WITH TEMP RECP
- SUDAS NATIVE GRASSES AND WILDFLOWERS
- SOIL CHOKED RIPRAP WITH RECP & SUDAS NATIVE GRASSES AND WILDFLOWERS
- RIPRAP

FINAL PLANS

DRAWN BY: ELC	JOB DATE: 2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0" = 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. EOC - STA 19+80 TO 25+60.dwg
APPROVED: KB	JOB NUMBER: 191900.03	
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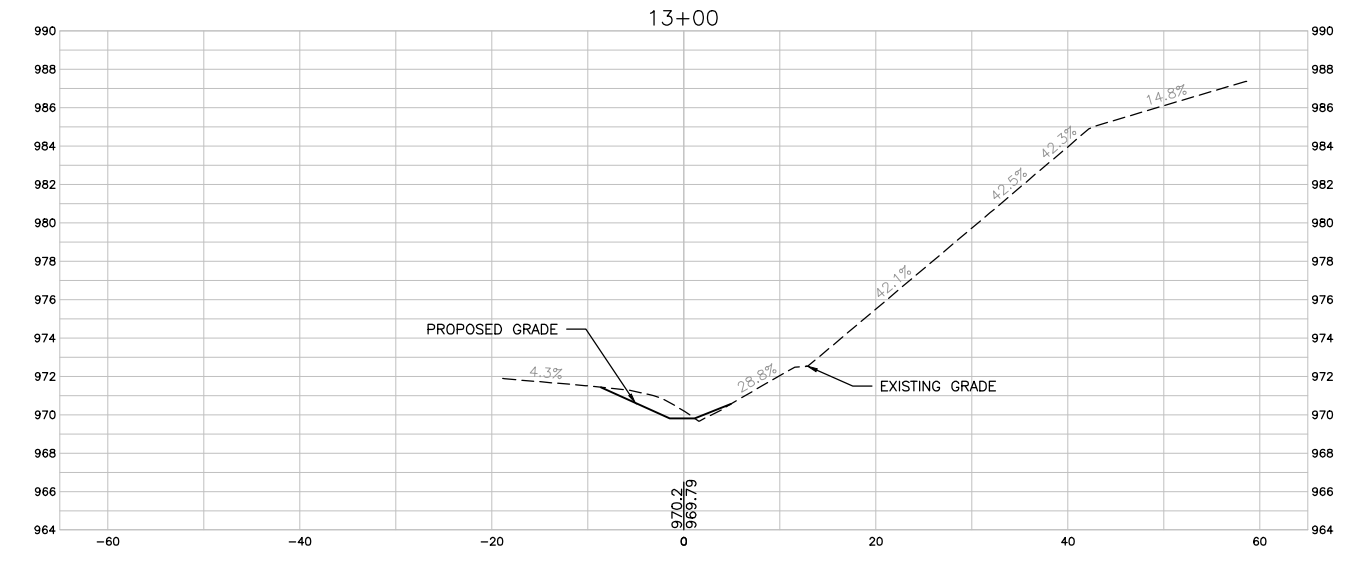
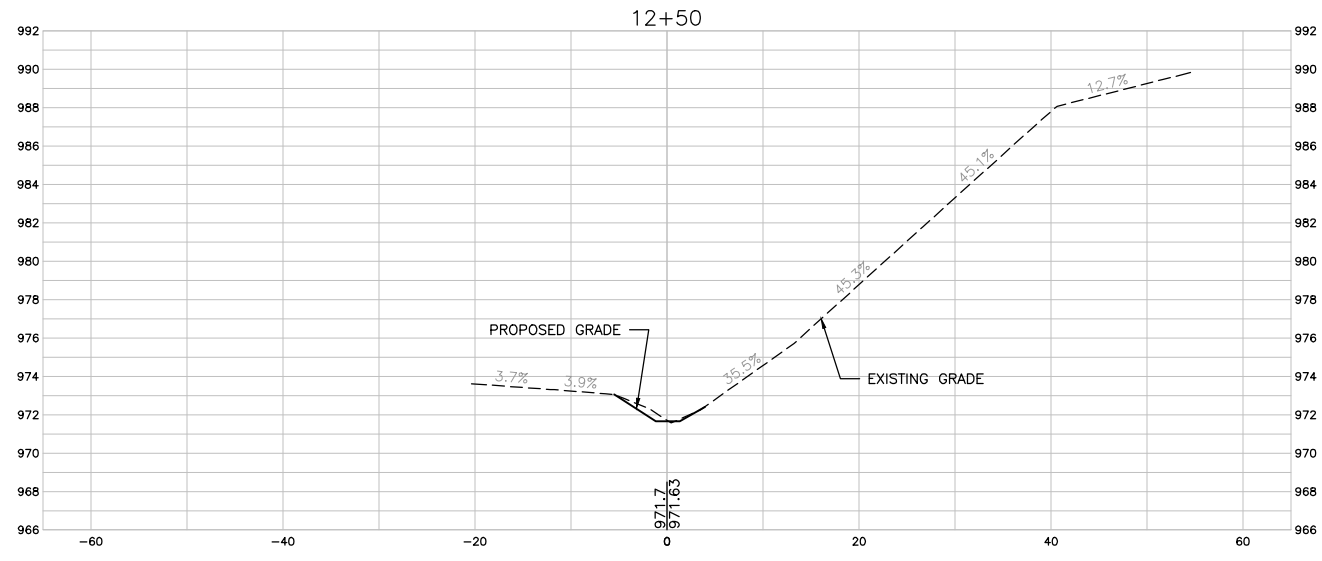
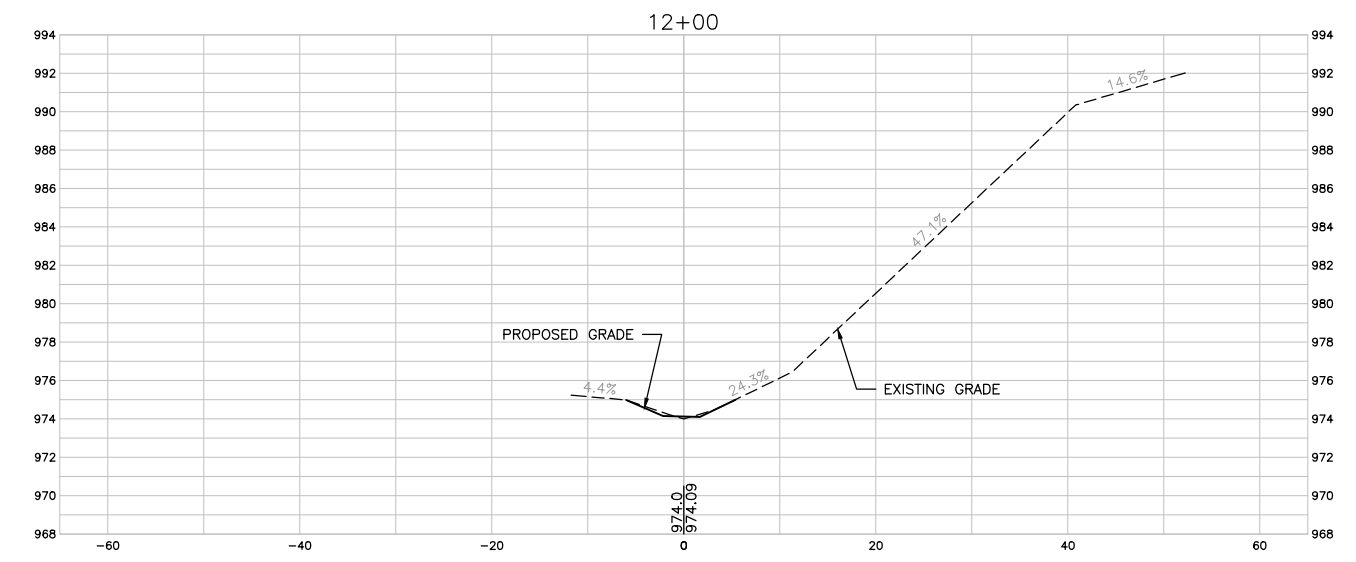
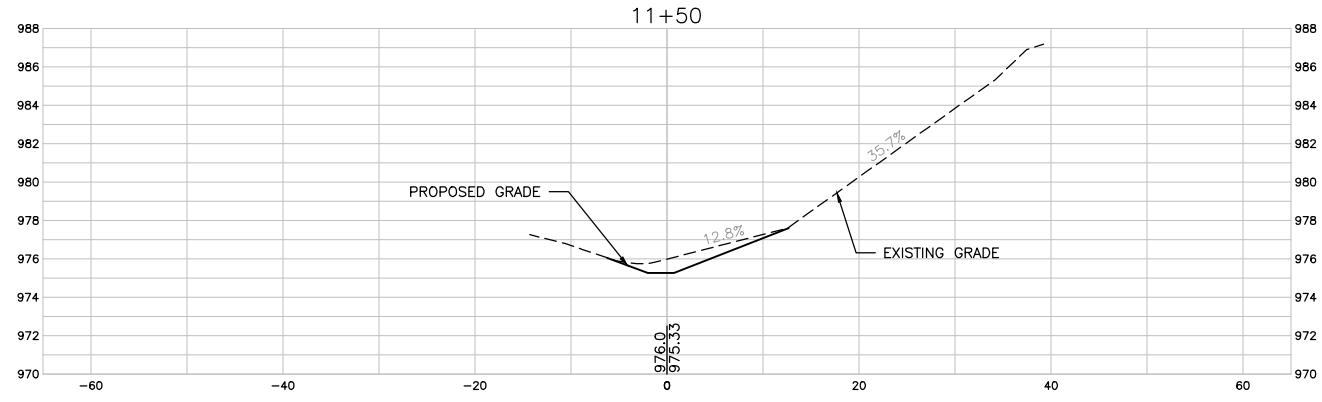
NO.	DATE	BY	REVISION DESCRIPTION



TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVADA
 NEVADA, IOWA

CIVIL
RESTORATION - STA 19+80 TO 25+60

SHEET NO.
C206



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 12/28/2023 10:17:35 AM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C301 CROSS SECTIONS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"

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 CROSS SECTIONS

NO.	DATE	BY	REVISION DESCRIPTION

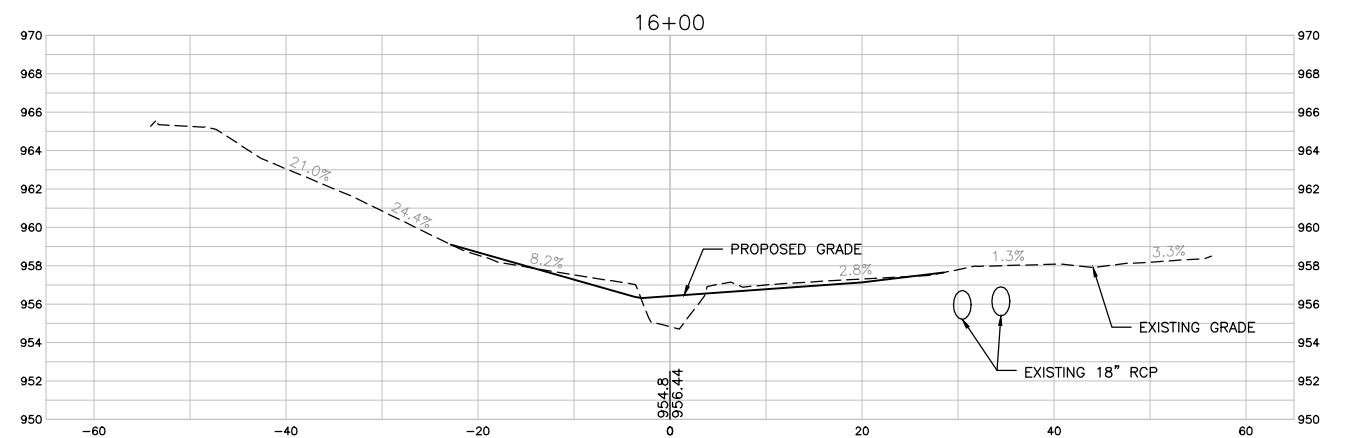
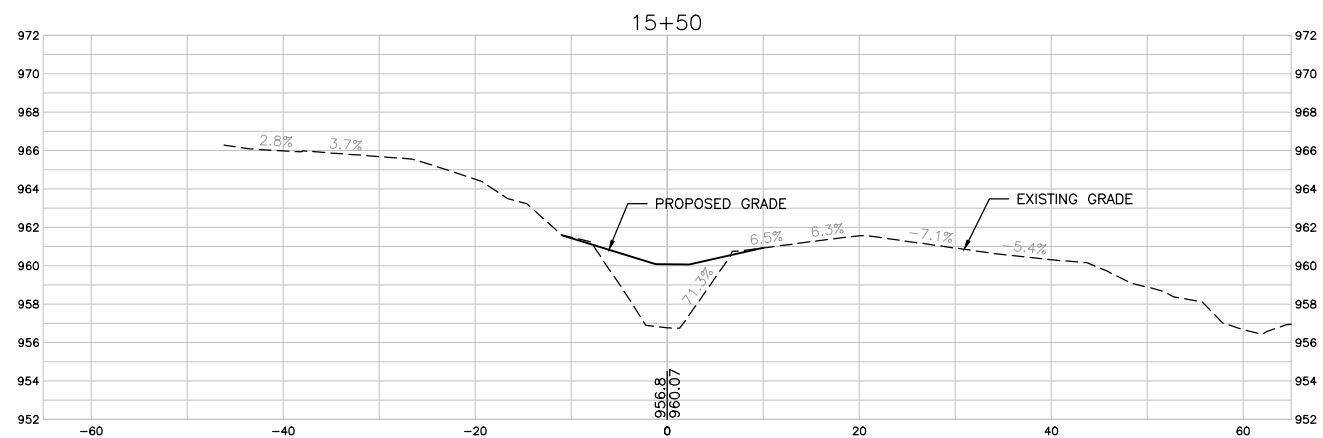
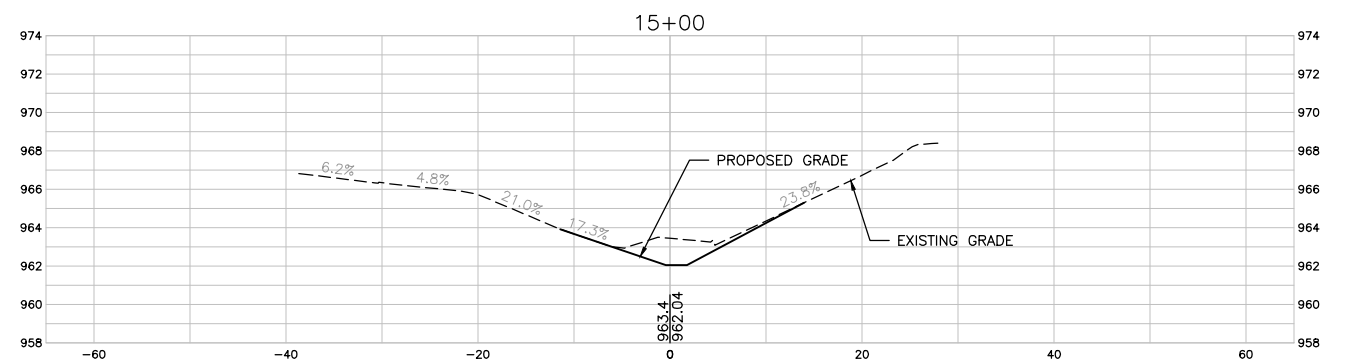
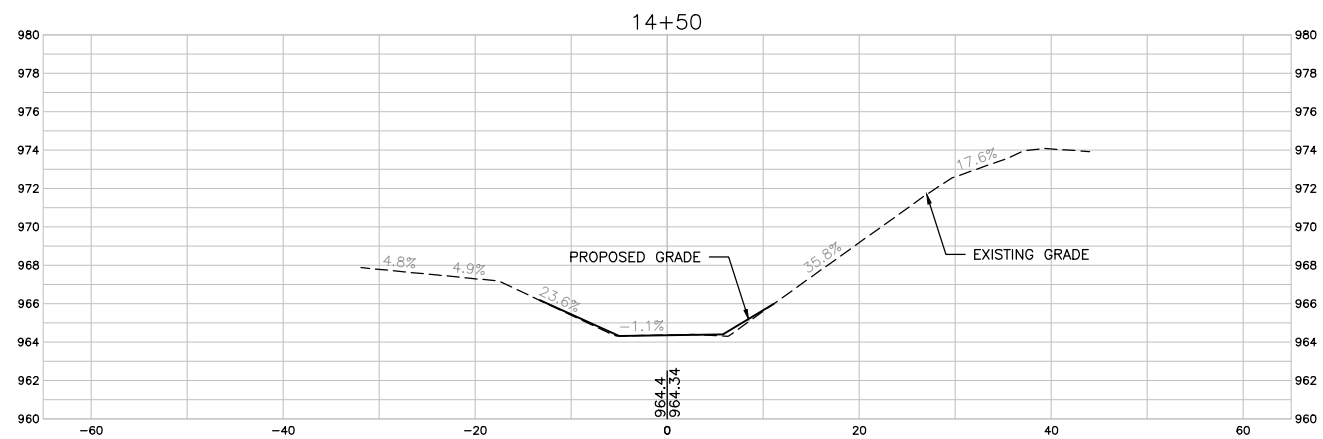
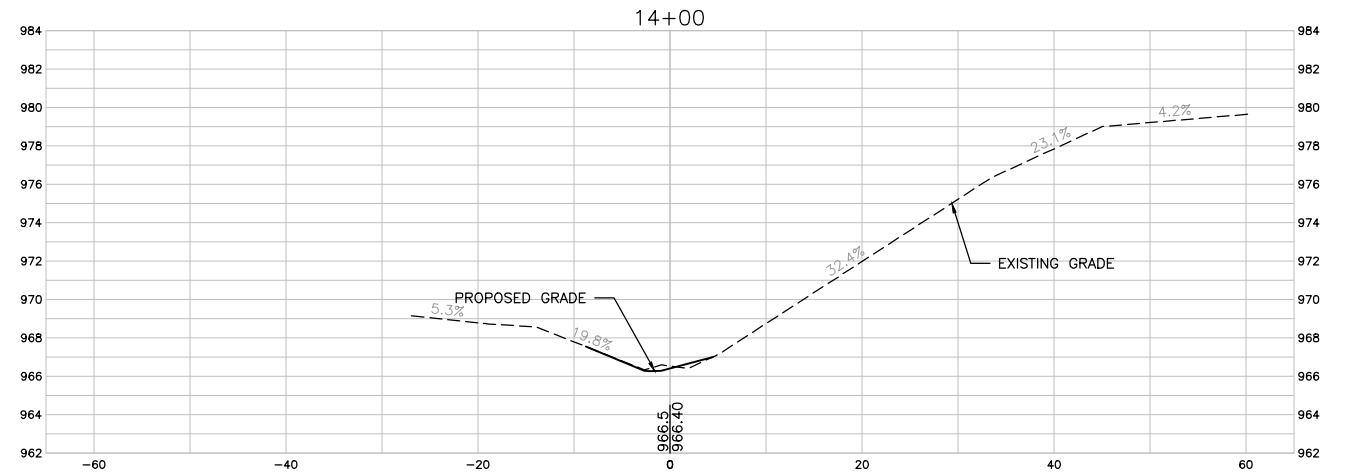
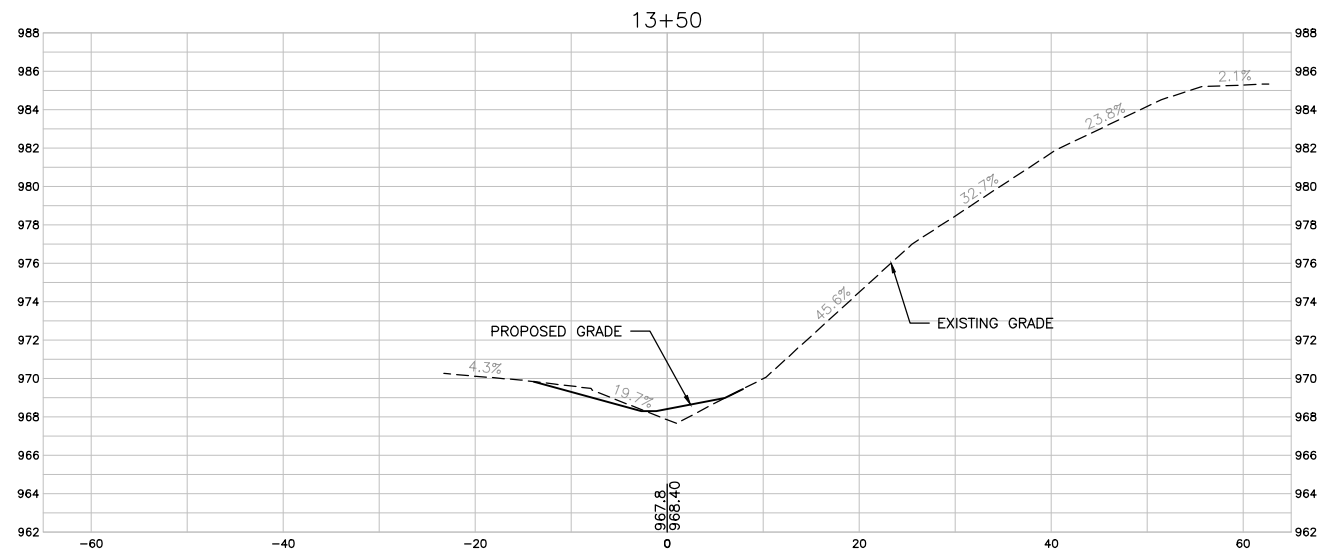


TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVADA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
 C301

Xref: xgl-1-dh01: XC-1-XSEC



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 3/14/2023 10:22:44 AM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C302 CROSS SECTIONS.dwg

NO.	DATE	BY	REVISION DESCRIPTION

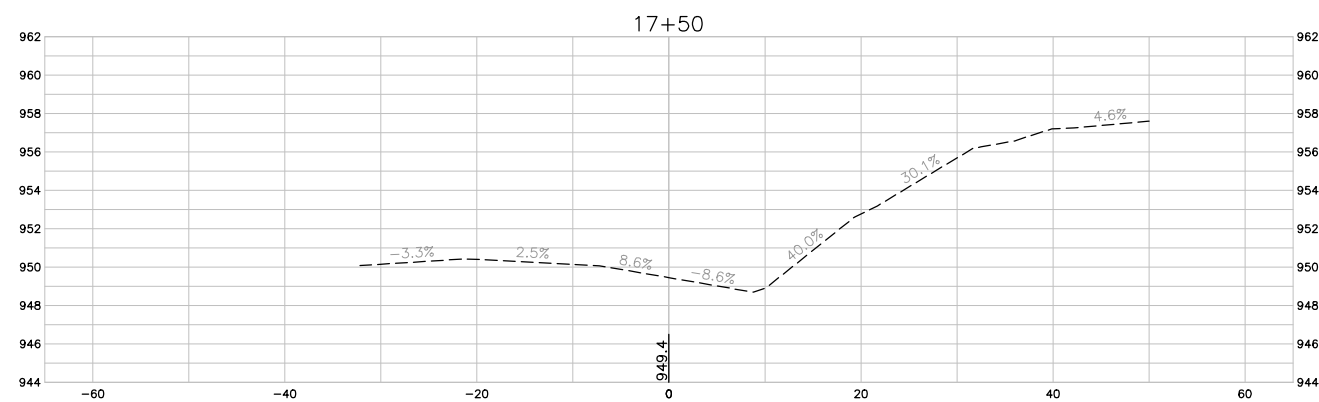
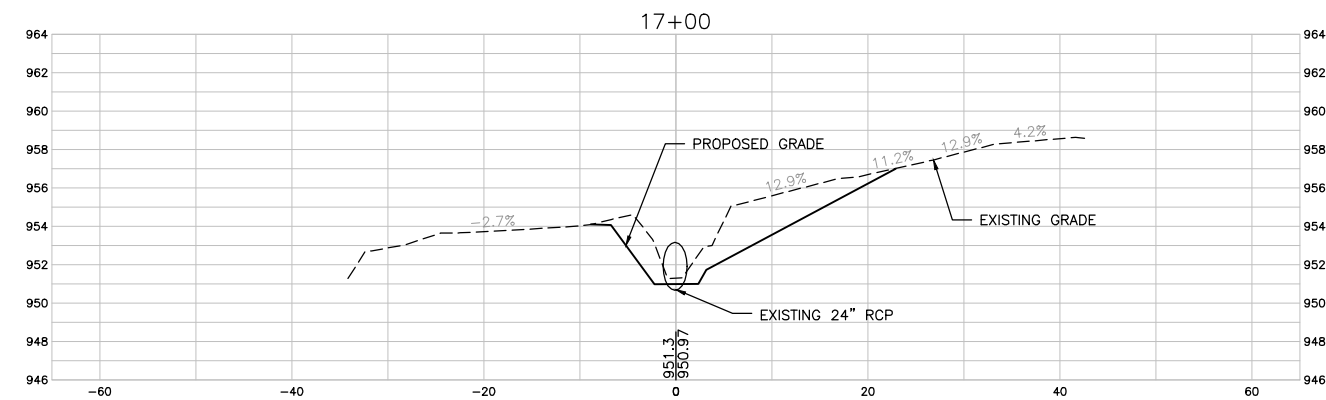
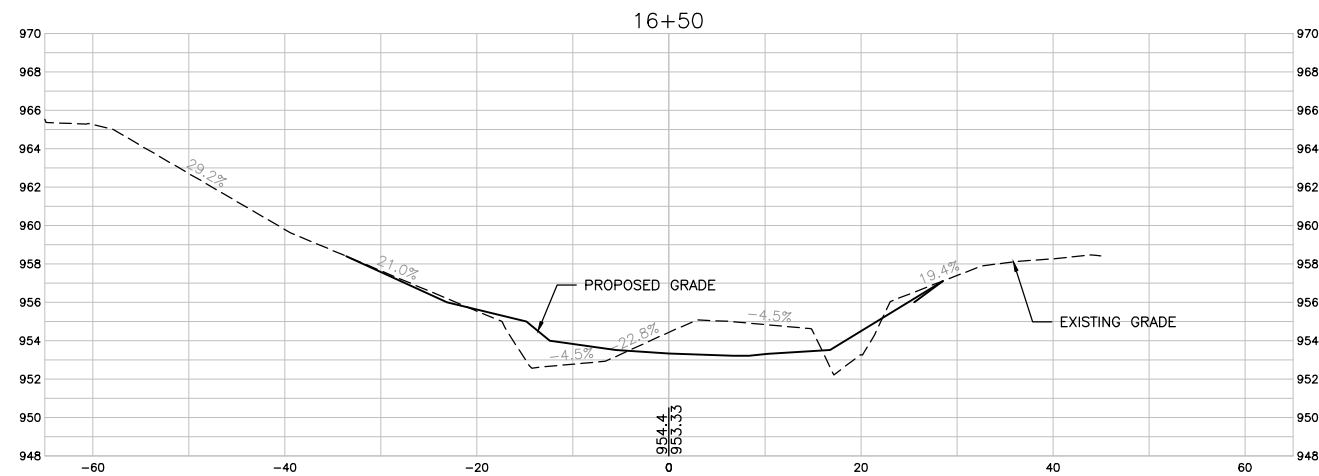


TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVADA
 NEVADA, IOWA

CIVIL
CROSS SECTIONS

SHEET NO.
C302

Xref: xgl-1-dh01: XC-1-XSEC



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 3/14/2023 10:33:08 AM
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 0 1"
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

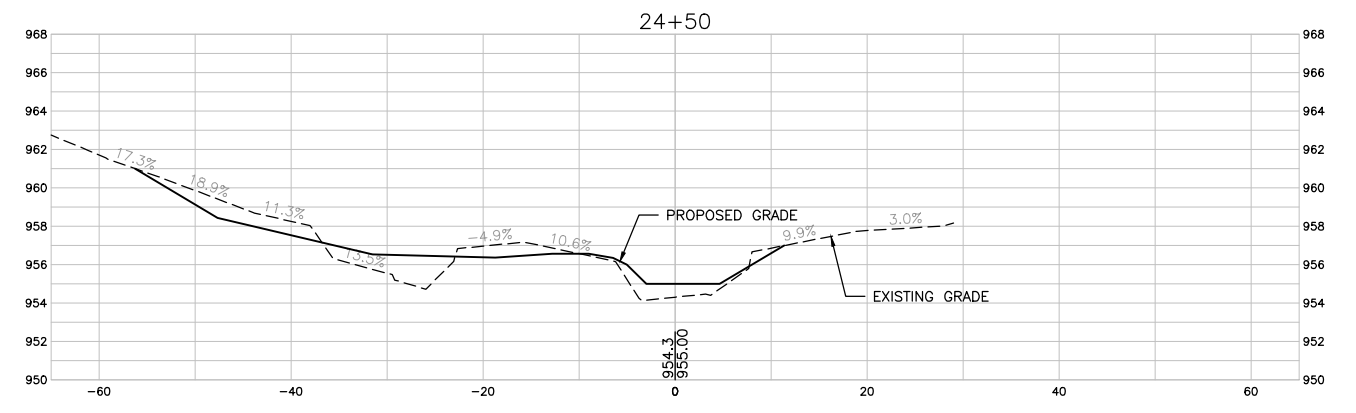
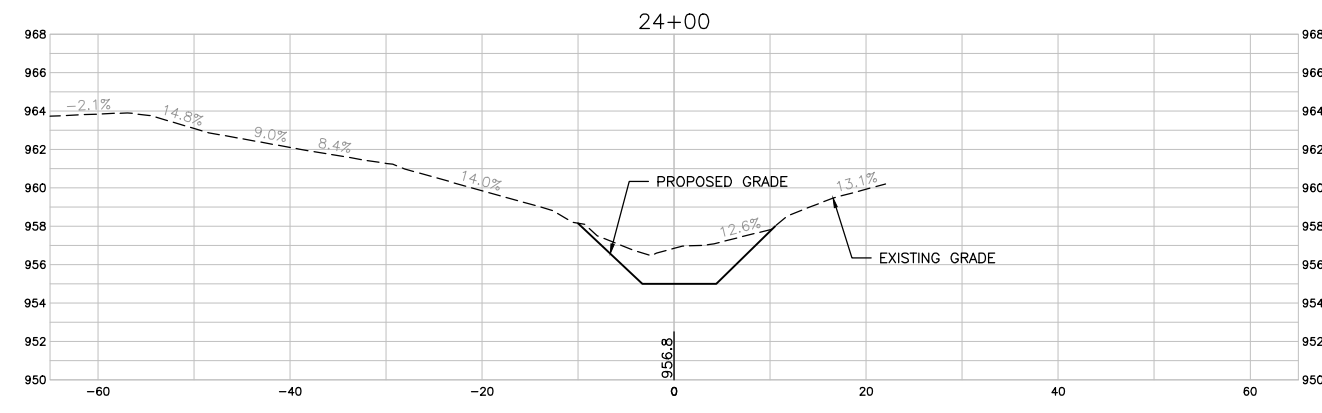
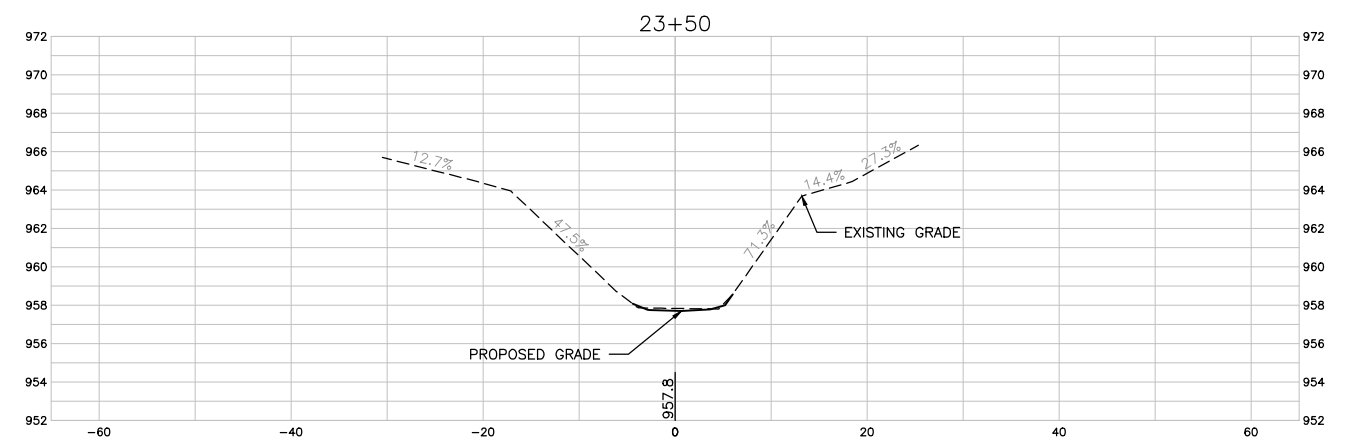
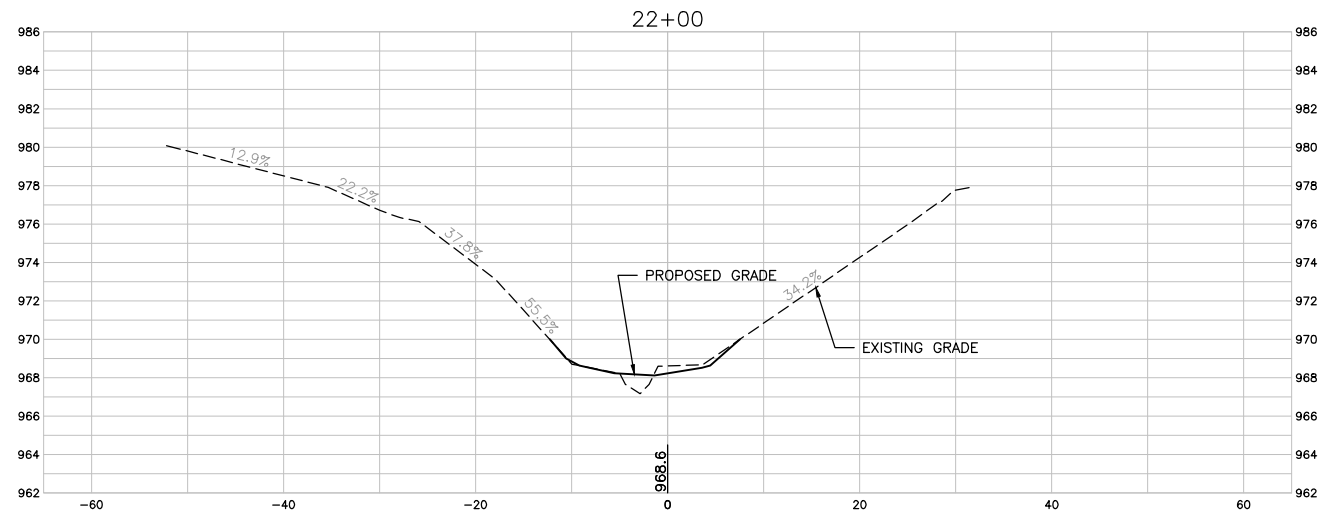


TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVEDA
 NEVEDA, IOWA

CIVIL
 CROSS SECTIONS

SHEET NO.
C303

Xref: xgl-1-dh01: XC-1-XSEC



1 CROSS SECTIONS
SCALE: 1" = 10'

FINAL PLANS

DRAWN BY: ELC
 APPROVED: KB
 CAD DATE: 3/14/2023 10:33:02 AM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C304 CROSS SECTIONS.dwg

JOB DATE: 2025
 JOB NUMBER: 191900.03

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"

IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

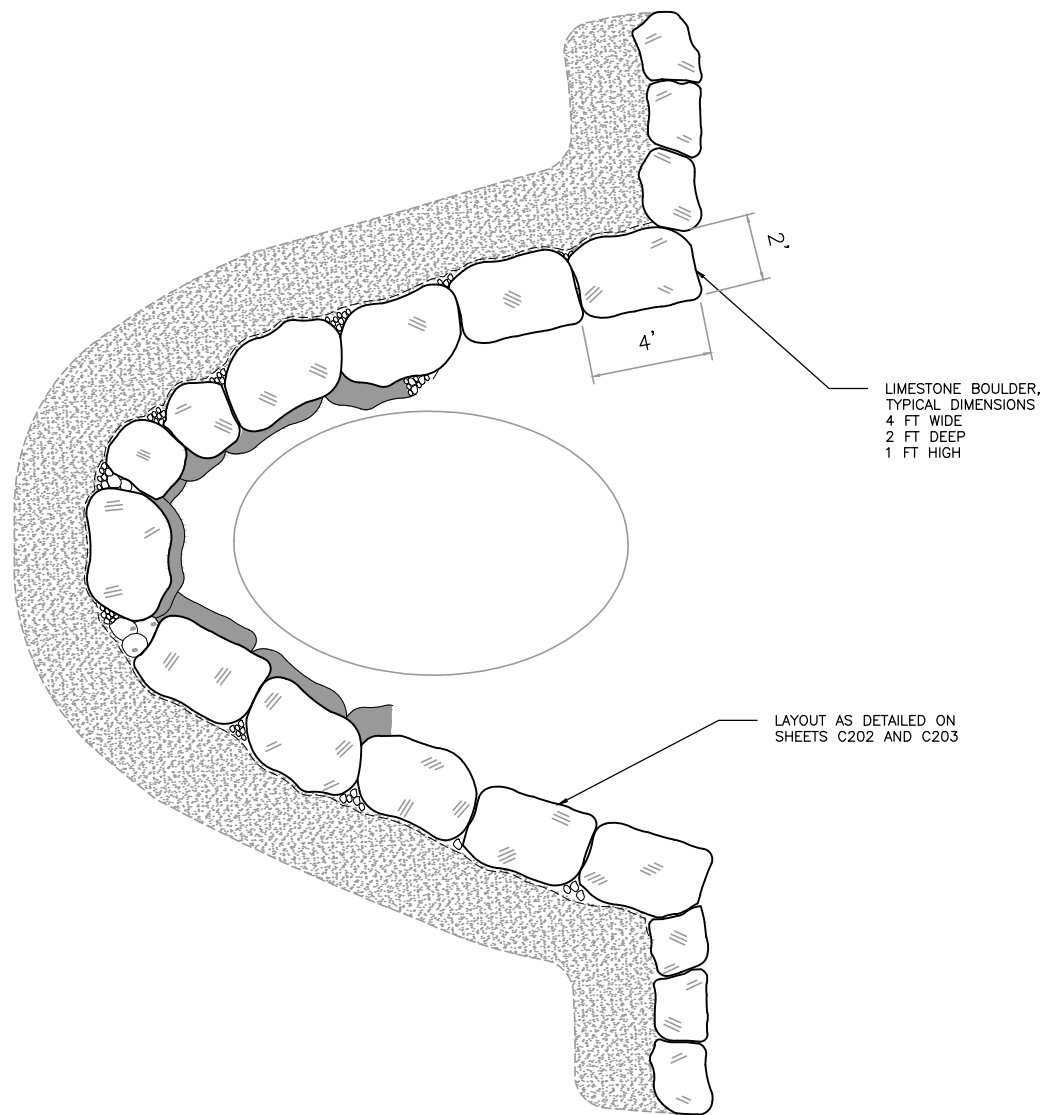


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 CITY OF NEVEDA
 NEVADA, IOWA

CIVIL
 CROSS SECTIONS

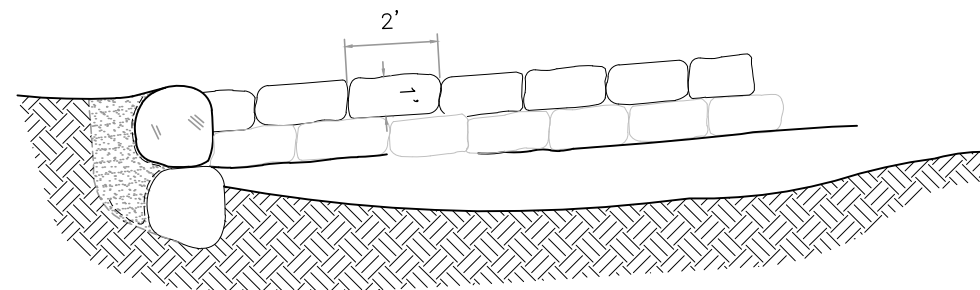
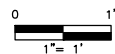
SHEET NO.
C304

Xref: xgl-1-dm01: XC-1-XSEC



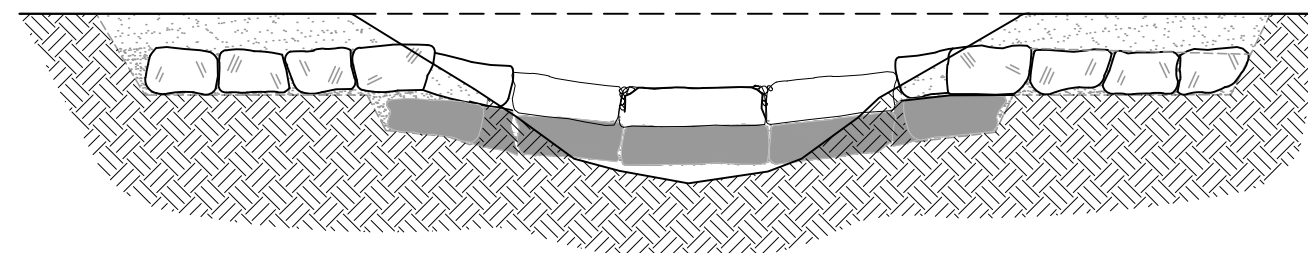
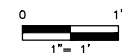
1 CROSS VANE DETAIL – PLAN

SCALE: 1" = 1'



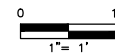
1 CROSS VANE DETAIL – PROFILE

SCALE: 1" = 1'



1 CROSS VANE DETAIL – CROSS SECTION

SCALE: 1" = 1'



FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 1/8/2025 12:56:42 PM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C501 DETAILS.dwg

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NO.	DATE	BY	REVISION DESCRIPTION

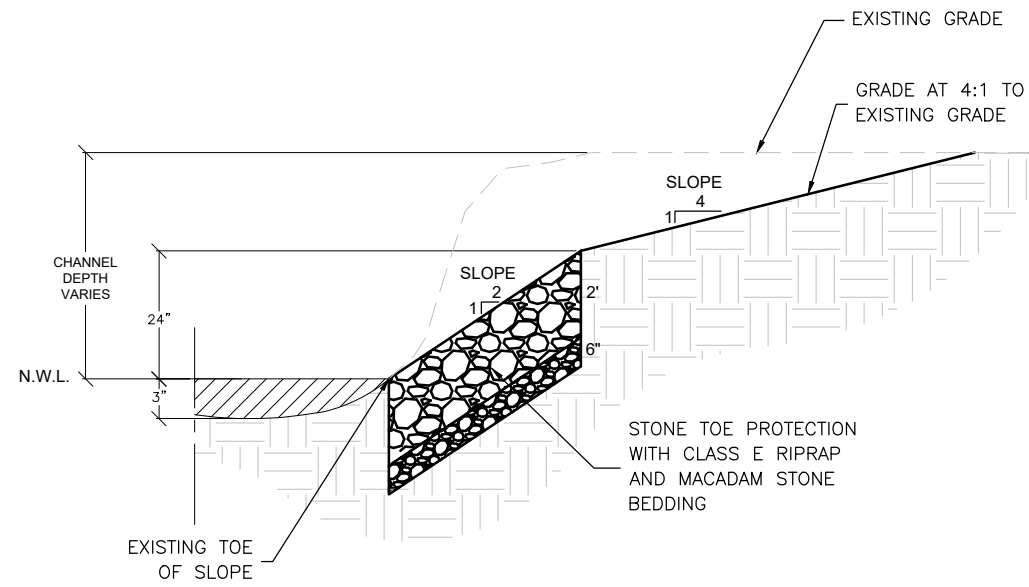


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 CITY OF NEVEDA
 NEVADA, IOWA

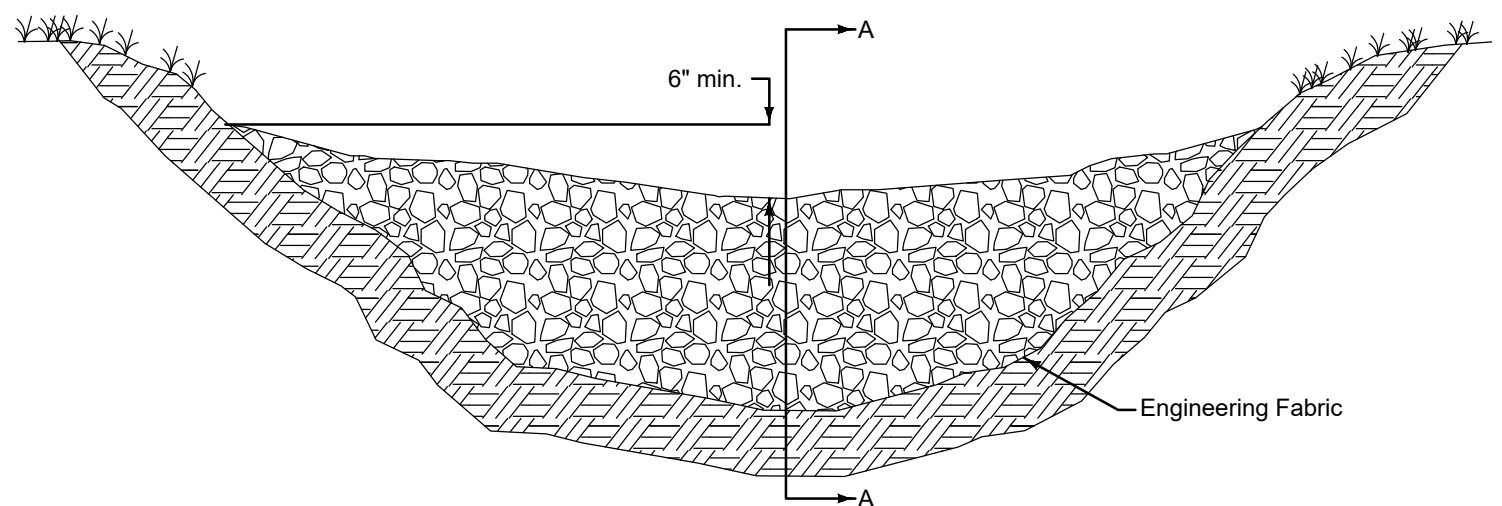
CIVIL
 CROSS VANE DETAIL

SHEET NO.
C501

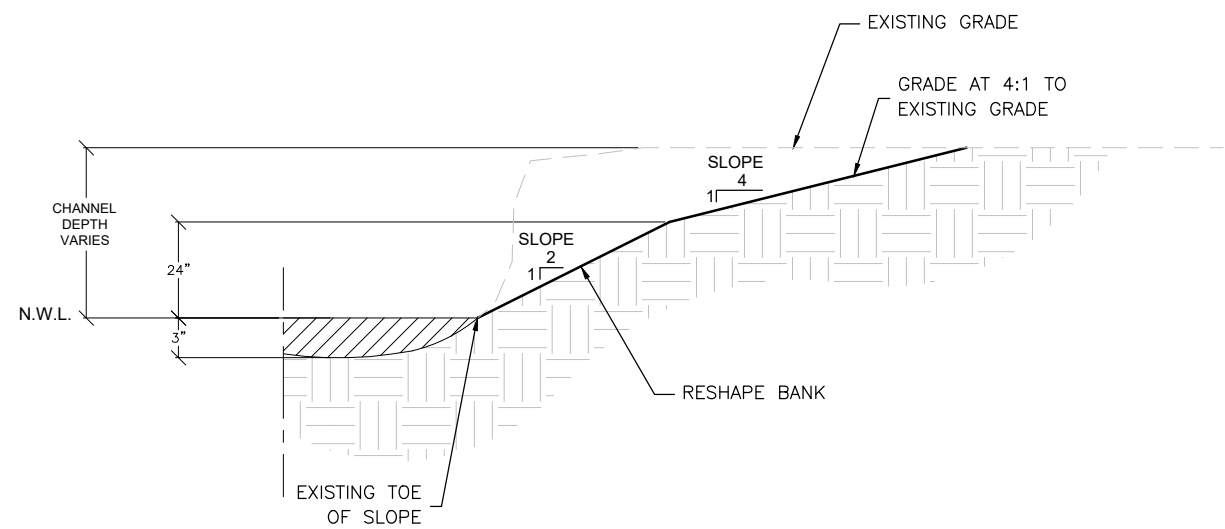
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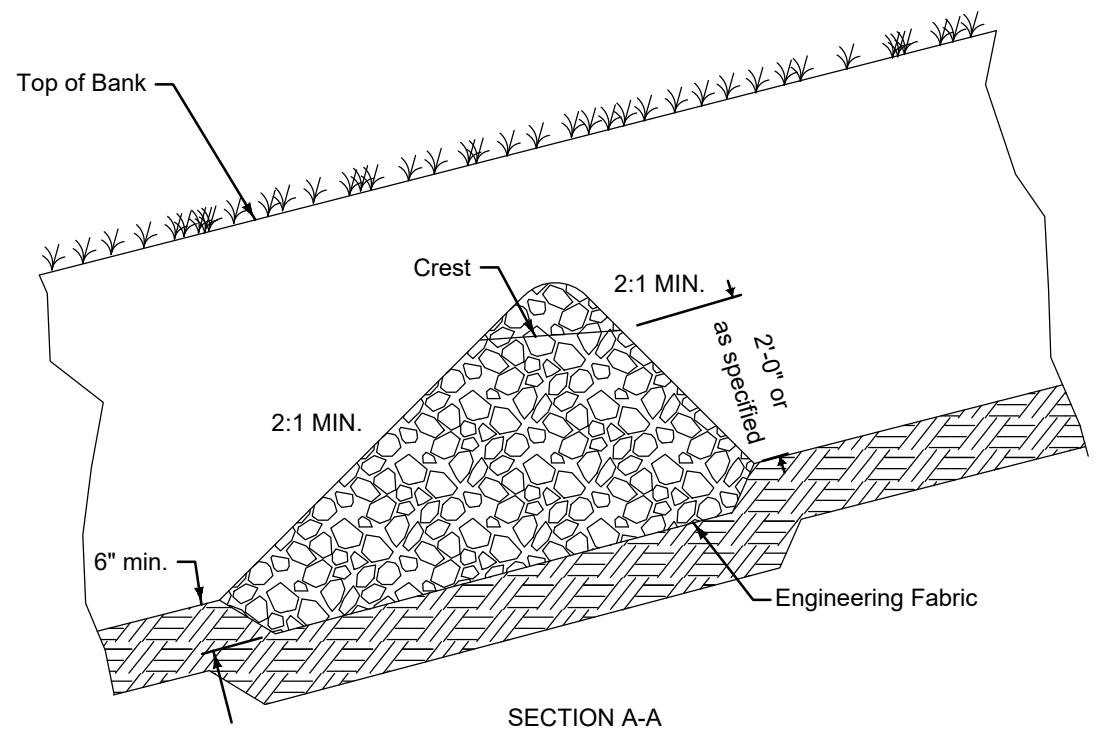
1 TYPICAL CHANNEL SECTION WITH STONE TOE PROTECTION
SCALE: N.T.S.



2 DITCH CROSS-SECTION
SCALE: N.T.S.



3 TYPICAL CHANNEL SECTION WITH BANK SLOPE RESHAPING
SCALE: N.T.S.



4 TYPICAL CHANNEL SECTION WITH ROCK BOTTOM
SCALE: N.T.S.

SECTION A-A

FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 1/13/2025 11:38:25 AM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C502 DETAILS.dwg

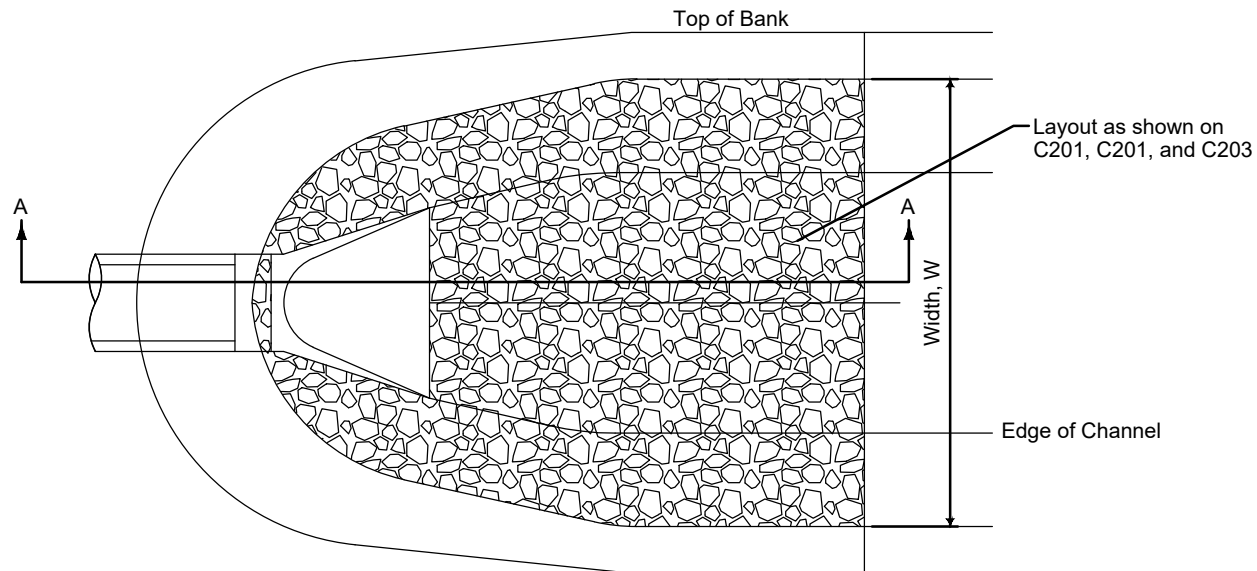
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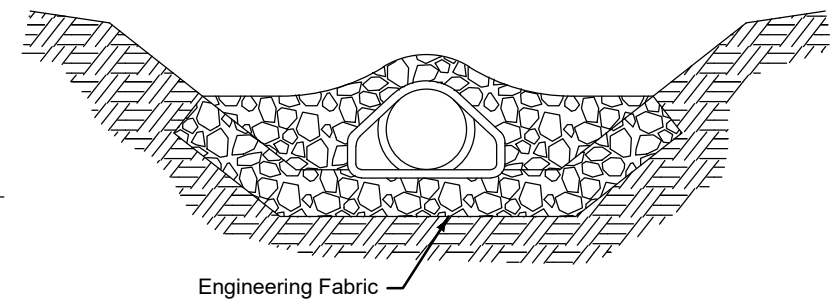
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 CITY OF NEVEDA
 NEVEDA, IOWA

CIVIL
 STONE TOE PROTECTION DETAIL

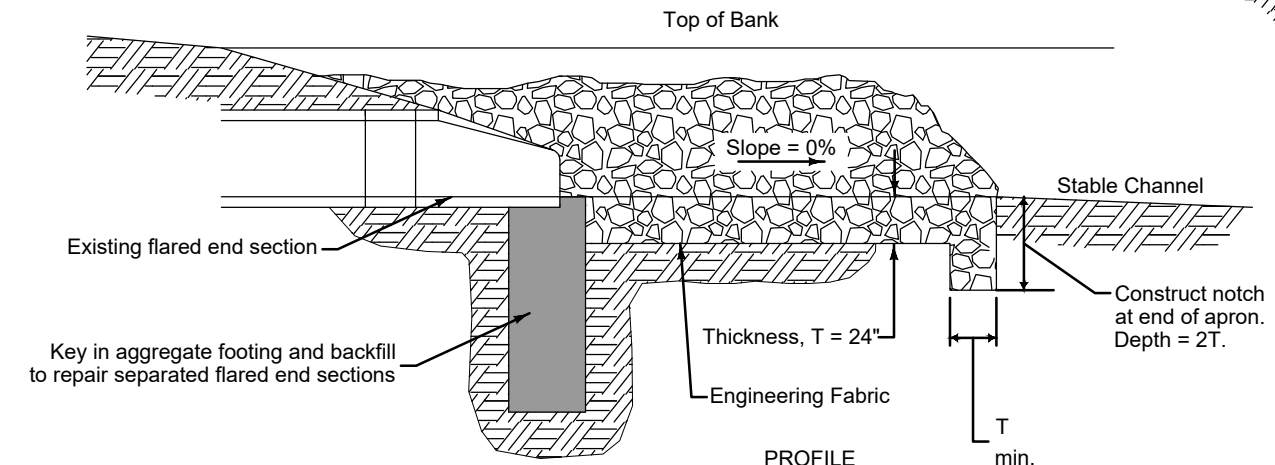
SHEET NO.
C502



PLAN



CROSS-SECTION



PROFILE Section A-A

1 RIPRAP APRON DETAIL
SCALE: N.T.S.

FINAL PLANS

DRAWN BY: ELC JOB DATE: 2025
 APPROVED: KB JOB NUMBER: 191900.03
 CAD DATE: 1/8/2025 12:58:17 PM
 CAD FILE: J:\2019\191900\CAD - Tributary\Dwgs\C\C504 DETAILS.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"

IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



TRIBUTARY TO INDIAN CREEK (PROJECT B)
 CITY OF NEVADA
 NEVADA, IOWA

CIVIL
 RIPRAP APRON DETAIL

SHEET NO.
 C503

Xref: xgt-1-dm01