

HARRINGTON PARK STORMWATER WETLAND


SRF SPONSORED PROJECT

CITY OF NEVADA IOWA

NEVADA, IOWA

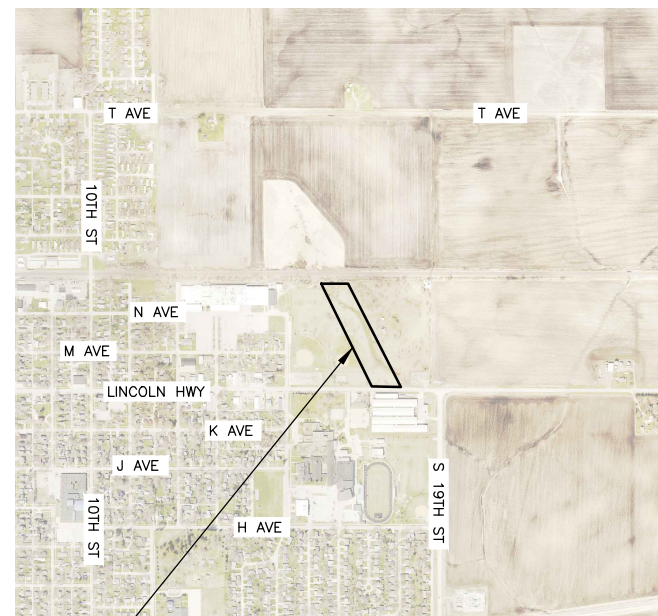
2024

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.
	DATE: <u>3/5/2024</u> JEFF W. MACKE, P.E. License Number: 27837 My license renewal date is December 31, 2024. Pages or sheets covered by this seal: ALL SHEETS



LOCATION MAP



PROJECT LOCATION



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HARRINGTON PARK – SRF PROJECT
CITY OF NEVADA IOWA
NEVADA, IOWA

GENERAL
COVER

SHEET NO.
G000

Xref: xgt-1-dh01; XC-1-ALGN; XCX=IMAGE; XC-3-SURF

CIVIL LEGEND

	BENCHMARK, CONTROL POINT, ELEVATION INDICATOR
	CONCRETE MONUMENT
	IRON PIN FOUND
	IRON PIN SET
	OPEN PIPE
	ROW RAIL
	SECTION CORNER
	CHISELED X
	AREA INTAKE
	FIRE HYDRANT
	GUY WIRE
	MAILBOX
	POWERPOLE
	CONIFEROUS TREE
	DECIDUOUS TREE
	CORNER MONUMENT
	BEEHIVE INTAKE
	CABLE BOX
	CLEAN OUT
	ELECTRIC METER
	ELECTRIC BOX
	PHONE BOOTH
	GAS METER
	CURB INTAKE
	HANDICAP
	INTAKE
	LIGHT POLE
	SANITARY MANHOLE
	MONITORING WELL
	POST
	RAILROAD SIGN
	SATELLITE DISH
	SIGN
	SOIL BORING
	TREE STUMP
	TELEPHONE BOX
	TELEPHONE PEDESTAL
	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:

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

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

MATERIAL LEGEND

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

SYMBOL LEGEND

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

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

GENERAL NOTES:

- CONTRACTOR SHALL CONFINE ALL ACTIVITIES TO THE RIGHT-OF-WAY OR INDICATED CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED. NO MATERIALS, EXCAVATED MATERIAL, OR EQUIPMENT SHALL BE STORED ON, PARKED ON, DEPOSITED ON, OR DRIVEN OVER ANY PRIVATE PROPERTY UNLESS WRITTEN AUTHORIZATION IS OBTAINED FROM THE PROPERTY OWNER BY THE CONTRACTOR. A COPY OF SUCH WRITTEN AGREEMENT SHALL BE PROVIDED TO THE CITY AND THE ENGINEER. UPON COMPLETION, CONTRACTOR SHALL PROVIDE TO THE CITY AND THE ENGINEER A WRITTEN RELEASE SIGNED BY THE PROPERTY OWNER.
- CONTRACTOR SHALL COORDINATE WITH THE CITY TO ESTABLISH A CONSTRUCTION STAGING AND STORAGE AREA. ALL CONTRACTOR MATERIALS, EQUIPMENT, JOB TRAILERS, EMPLOYEE VEHICLE PARKING, ETC. SHALL BE LOCATED IN THIS DESIGNATED AREA. CITY IS NOT RESPONSIBLE FOR SECURED/UNSECURED MATERIALS STORED ONSITE.
- ANY DAMAGE TO STREETS AND ROADS CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO COST TO THE OWNER, EXCEPT AS NOTED ON PLANS.
- CONTRACTOR SHALL REGULARLY CHECK VERTICAL AND HORIZONTAL ALIGNMENT. ALL ELEVATIONS ARE NAD83 DATUM. THE HORIZONTAL COORDINATE SYSTEM IS NAD83 IOWA STATE PLANE, NORTH ZONE, US SURVEY FEET.
- EXISTING UTILITIES, STRUCTURES, TREES, AND PAVEMENT LOCATIONS SHOWN ARE APPROXIMATE. THE COMPLETENESS AND ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS OF THESE OR ANY OTHER EXISTING FACILITIES AS REQUIRED TO COMPLETE THE WORK.
- CERTAIN RELOCATIONS OF EXISTING UTILITIES MAY BE REQUIRED AS A RESULT OF CONSTRUCTION OF THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE REQUIRED WORK WITH THE RESPECTIVE UTILITY COMPANIES IN ORDER TO AVOID UNNECESSARY DELAYS TO CONSTRUCTION. THE CONTRACTOR SHALL WORK CLOSELY WITH THE UTILITIES TO LOCATE, PLAN, AND RELOCATE THESE FACILITIES IN A MANNER THAT MINIMIZES UTILITY SHUT-OFF AND KEEPS THE PROJECT ON SCHEDULE.
- 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 PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION 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.
- IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES NOTICE TO IOWA ONE CALL NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND LEGAL HOLIDAYS.
- CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS NECESSARY TO PERFORM WORK. ALL TREES, STUMPS, BRUSH AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF SO THAT THEY WILL NOT INTERFERE WITH CONSTRUCTION OR PROPER FUNCTIONING OF THE DETENTION BASIN.
- CONTRACTOR SHALL CHECK FOR THE PRESENCE OF ANY FIELD OR DRAIN TILE AS EXCAVATION PROGRESSES. A RECORD OF ANY FIELD TILE ENCOUNTERED SHALL BE MADE AND INCLUDE LOCATION BY COORDINATES, TYPE OF PIPE, AND TYPE OF REPAIR MADE. ALL TILE LINE LOCATIONS SHALL BE PROTECTED.
- CONTRACTOR SHALL HAUL AND PROPERLY DISPOSE OF EXCESS MATERIAL (INCLUDING EXCAVATED MATERIAL OR BROKEN CONCRETE) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK ON THIS PROJECT. NO PAYMENT WILL BE ALLOWED FOR THE MATERIAL DISPOSED OF AND NOT INCORPORATED INTO THE WORK. NO MATERIAL SHALL BE PLACED WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE ENGINEER. UNLESS OTHERWISE DIRECTED OR AUTHORIZED, ALL ASPHALTIC CEMENT CONCRETE AND OTHER BITUMINOUS MATERIALS WHICH ARE NOT SPECIFICALLY ADDRESSED OR DESCRIBED IN THE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF THESE MATERIALS IN ACCORDANCE WITH CURRENT RULES AND REGULATIONS OF THE IOWA DEPARTMENT OF NATURAL RESOURCES.
- ALL HOLES RESULTING FROM OPERATIONS OF THE CONTRACTOR, INCLUDING REMOVAL OF FENCE POSTS, SHALL BE FILLED AND CONSOLIDATED TO FINISHED GRADE AS DIRECTED BY THE ENGINEER TO PREVENT FUTURE SETTLEMENT. THE VOIDS SHALL BE FILLED AS SOON AS PRACTICAL -- PREFERABLY THE DAY CREATED AND NOT LATER THAN THE FOLLOWING DAY. ANY PORTION OF THE RIGHT-OF-WAY OR PROJECT LIMITS (INCLUDING BORROW AREAS AND OPERATION AREAS) DISTURBED BY ANY SUCH OPERATIONS SHALL BE RESTORED TO AN ACCEPTABLE CONDITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- DURING REMOVAL AND CONSTRUCTION, THE CONTRACTOR SHALL CONTROL DUST FROM SPREADING BASED ON PRACTICES IDENTIFIED IN THE SWPP.
- CONTRACTOR SHALL MANAGE THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), CONDUCT ALL REQUIRED INSPECTIONS, AND MAINTAIN ASSOCIATED EROSION CONTROL. THE CONTRACTOR SHALL HAVE A COPY OF THE SWPPP ON-SITE DURING ALL CONSTRUCTION ACTIVITIES..
- THE TOP EIGHT (8) INCHES OF THE DISTURBED AREAS SHALL BE FREE OF ROCK AND DEBRIS AND SHALL BE SUITABLE FOR THE ESTABLISHMENT OF VEGETATION, SUBJECT TO THE APPROVAL OF THE ENGINEER AND THE CITY.
- CONTRACTOR SHALL FINISH GRADE AND SEED PER SPECIFICATIONS. TEMPORARY ROLLED EROSION CONTROL PRODUCT SHALL BE INSTALLED OVER ALL SEEDED AREAS.
- CONTRACTOR SHALL KEEP AND UPDATE A SET OF AS-CONSTRUCTED DRAWINGS. CONTRACTOR SHALL SUBMIT THE AS-CONSTRUCTED DRAWINGS TO THE ENGINEER UPON PROJECT COMPLETION.
- ALL PROPERTY CORNERS DISTURBED BY CONSTRUCTION SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR'S REPRESENTATIVE SHALL BE PRESENT AT THE FINAL INSPECTION.

- CONTRACTOR SHALL UTILIZE CONSTRUCTION ENTRANCE AND STAGING AREAS AS INDICATED IN THE PLANS.
- CONTRACTOR SHALL ENCLOSE WORKING AREA WITH TEMPORARY CONSTRUCTION FENCING, SNOW FENCE, TO DELINEATE PUBLIC PARK AREAS FROM CONSTRUCTION AREAS.
- CONTRACTOR SHALL HALT WORK AND CONTACT THE CITY OF NEVADA IMMEDIATELY IF DRAIN TILE IS ENCOUNTERED DURING EXCAVATION.

CONSTRUCTION SEQUENCING

- INSTALL TEMPORARY CONSTRUCTION FENCE (SNOW FENCE)
- INSTALL EROSION AND SEDIMENT CONTROLS
- STRIP TOPSOIL AND STORE ON SITE.
- EXCAVATE AND GRADE TO FINAL ELEVATION.
- CONSTRUCT CHECK DAMS AND SPILLWAYS.
- STABILIZE AND SEED DISTURBED AREAS.

PERMITS

PERMIT NO. CEMVR-RD-2022-226 OF THE UNITED STATES ARMY CORPS OF ENGINEERS NATIONWIDE PERMIT 27.

UTILITY CONTACT INFORMATION

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

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HARRINGTON PARK - SRF PROJECT
CITY OF NEVADA IOWA
NEVADA, IOWA

GENERAL
LEGENDS , SYMBOLS AND GENERAL NOTES

SHEET NO.
G001

ABBREVIATIONS

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

xref: xgt-1-dh01

DRAWN BY: CMB JOB DATE: 2022 BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 APPROVED: JPF JOB NUMBER: 191900.03 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. CAD DATE: 2/28/2024 2:58:55 PM ABBREVIATIONS CAD FILE: J:\2019\191900\CAD - Harrington Park\DWGS\C\G002

Table with columns: NO., DATE, BY, REVISION DESCRIPTION



HARRINGTON PARK - SRF PROJECT CITY OF NEVADA IOWA NEVADA, IOWA

GENERAL ABBREVIATIONS SHEET NO. G002

FOR BID NOT FOR CONSTRUCTION

ITEM NUMBER	ITEM CODE	BID ITEM	UNITS	QUANTITY
DIVISION 1 - GENERAL				
1	11020-A	MOBILIZATION	LS	1
2	11010-A	CONSTRUCTION SURVEY	LS	1
DIVISION 2 - EXCAVATION				
3	2010-M	COMPACTION TESTING	LS	1
4	2010-E	EXCAVATION, CLASS 13	CY	14759
5	2010-D	TOPSOIL, ONSITE, STRIP, SALVAGE, AND SPREAD, 8 INCHES	CY	7190
6	2010-C	CLEARING AND GRUBBING	LS	1
DIVISION 6 - STRUCTURES FOR SA				
7	6010-E-2	INTAKE ADJUSTMENT MINOR	EA	1
8	6010-F-2	INTAKE ADJUSTMENT MAJOR	EA	1
DIVISION 8 - MISCELLANEOUS				
9	8030-A	TRAFFIC CONTROL	LS	1
DIVISION 9 - PLANTINGS / LANDSCAPING				
10	9010-A	SEEDING AND FERTILIZING, TEMPORARY SEEDING	AC	6
11	9010-D	WATERING	LS	1
12	9010-E	SEEDING WARRANTY	LS	1
13	9040-A	SWPPP MANAGEMENT	LS	1
14	9040-E	TEMPORARY RECP, TYPE 1.A	SY	250000
15	9040-G-1	CHECK DAM, ROCK	TON	120
16	9040-G-2	EMERGENCY SPILLWAY, ROCK	TON	35
17	9040-N	SILT FENCE	LF	1435
18	9040-N	SILT FENCE, REMOVAL OF SEDIMENT	LF	1435
19	9040-N	SILT FENCE, REMOVAL OF DEVICE	LF	1435
20	9040-O	STABILIZED CONSTRUCTION ENTRANCE	SF	2500
21	9040-T1	INLET PROTECTION DEVICE	EA	4
21	9040-T2	INLET PROTECTION DEVICE, MAINTENANCE	EA	4
22	9060-F	TEMPORARY FENCE, SNOW FENCE, 48"	LF	3000

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DRAWN BY: CTK JOB DATE: 2022
APPROVED: JWM JOB NUMBER: 191900.03
CAD DATE: 3/5/2024 12:34:44 PM
CAD FILE: J:\2019\191900\CAD - Harrington Park\Dwgs\G\G003 QUANTITIES.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
0 1"

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NO.	DATE	BY	REVISION DESCRIPTION



HARRINGTON PARK - SRF PROJECT
CITY OF NEVADA IOWA
NEVADA, IOWA

GENERAL
QUANTITIES

SHEET NO.
G003

Xref: xgl-3-dm01

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
DIVISION 1 - GENERAL		
1	11020-A	MOBILIZATION
2	11010-A	CONSTRUCTION SURVEY
DIVISION 2 - EXCAVATION		
3	2010-M	COMPACTION TESTING
4	2010-E	EXCAVATION, CLASS 13
		A. THIS ITEM SHALL INCLUDE ALL MASS GRADING REQUIRED FOR STORMWATER WETLAND ALONG WITH SHAPING WETLAND AREAS (SWALES, POOLS, FOREBAYS, ETC.) ALIKE.
5	2010-D	TOPSOIL, ONSITE, STRIP, SALVAGE, AND SPREAD, 8 INCHES
6	2010-C	CLEARING AND GRUBBING
		A. THIS ITEM WILL NOT BE MEASURED AND SHALL BE PAID AS LUMP SUM.
		B. ALL ITEMS CALLED OUT TO BE PROTECTED, INCIDENTAL TO THIS ITEM.
DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS		
7	6010-E-2	INTAKE ADJUSTMENT MINOR
		A. THIS ITEM SHALL INCLUDE REMOVING EXISTING CASTING AND EXISTING ADJUSTMENT RINGS, FURNISHING AND INSTALLING ADJUSTMENT RINGS, AND FURNISHING AND INSTALLING NEW CASTING.
8	6010-F-2	INTAKE ADJUSTMENT MAJOR
		A. THIS ITEM SHALL INCLUDE REMOVAL OF EXISTING CASTING, ADJUSTMENT RINGS, TOP SECTIONS, AND RISERS; EXCAVATION; CONCRETE AND REINFORCING STEEL OR PRECAST SECTIONS; FURNISHING AND INSTALLING NEW CASTING; PLACING BACKFILL MATERIAL; AND COMPACTION.
DIVISION 8 - MISCELLANEOUS		
9	8030-A	TRAFFIC CONTROL
DIVISION 9 - PLANTINGS / LANDSCAPING		
10	9010-A	SEEDING AND FERTILIZING, TEMPORARY SEEDING
		A. AS NECESSARY TO ENSURE GERMINATION AND VEGETATION ESTABLISHMENT ACCORDING TO THE SPECIFICATIONS.
11	9010-D	WATERING
12	9010-E	SEEDING WARRANTY
13	9040-A	SWPPP MANAGEMENT
		A. ITEM INCLUDES ALL WORK REQUIRED TO COMPLY WITH THE ADMINISTRATIVE PROVISIONS OF THE IOWA DNR NPDES GENERAL PERMIT NO. 2, INCLUDING, BUT NOT LIMITED TO, WEEKLY INSPECTIONS, RECORD KEEPING, DOCUMENTATION, AND UPDATING THE SWPPP.
14	9040-E	TEMPORARY RECP, TYPE 1.A
15	9040-G-1	CHECK DAM, ROCK
		A. REFER TO EROSION CONTROL PLAN FOR LOCATIONS AND DETAILS.
16	9040-G-2	EMERGENCY SPILLWAY, ROCK
17	9040-N	SILT FENCE
		A. REFER TO EROSION CONTROL PLAN FOR LOCATIONS AND DETAILS.
18	9040-N	SILT FENCE, REMOVAL OF SEDIMENT
19	9040-N	SILT FENCE, REMOVAL OF DEVICE
20	9040-O	STABILIZED CONSTRUCTION ENTRANCE
21	9040-T2	INLET PROTECTION DEVICE, MAINTENANCE
		A. REFER TO EROSION CONTROL PLAN FOR LOCATIONS AND DETAILS.
22	9060-F	TEMPORARY FENCE, SNOW FENCE, 48"

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NO.	DATE	BY	REVISION DESCRIPTION

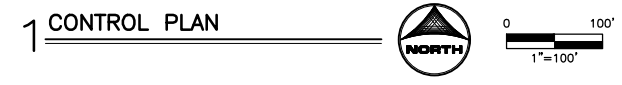


HARRINGTON PARK – SRF PROJECT
 CITY OF NEVADA IOWA
 NEVADA, IOWA

GENERAL
 ESTIMATE REFERENCE

SHEET NO.
 G004

SURVEY CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
8030	3471373.21	4938869.65	989.02	103 CUT X 18" RCP APRON
8031	3471359.72	4938720.15	990.77	103 CUT X GUTTER
8034	3471388.80	4938549.35	988.58	103 CUT X INTAKE/MH
8035	3471760.85	4937577.52	991.49	103 CUT X GUTTER
8036	3472036.66	4937605.84	993.54	103 CUT X FENCE POST
8000060	3472280.82	4937871.90	990.29	103 60 D-NAIL



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DRAWN BY: CTK JOB DATE: 2022
 APPROVED: JWM JOB NUMBER: 191900.03
 CAD DATE: 3/5/2024 12:33:26 PM
 CAD FILE: J:\2019\191900\CAD - Harrington Park\dwgs\G005 SURVEY CONTROL.dwg

NO.	DATE	BY	REVISION DESCRIPTION



HARRINGTON PARK – SRF PROJECT
 CITY OF NEVADA IOWA
 NEVADA, IOWA

GENERAL
 SURVEY CONTROL

SHEET NO.
 G005

Xrefs: xref-3-dwg1: XV-3-BASE

LEGEND

WETLAND FLOW AREA



1 OVERALL SITE PLAN



0 60'
1"=60'

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DRAWN BY: CTK
 APPROVED: JWM
 CAD DATE: 3/5/2024 12:28:38 PM
 CAD FILE: J:\2019\191900\CAD - Harrington Park\Drawings\C101 OVER ALL SITE PLAN.dwg

JOB DATE: 2022
 JOB NUMBER: 191900.03

NO.	DATE	BY	REVISION DESCRIPTION



HARRINGTON PARK - SRF PROJECT
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 OVERALL SITE PLAN

SHEET NO.
 C101

Xref: xg1-3-dm1; XCX-IMAGE; XC-3-SURF; XCX-PROP-OWNER-NAME; XV-3-ROW; XCX-3-SURF; XC-3-ALIGN; XC-3-SURF1

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.

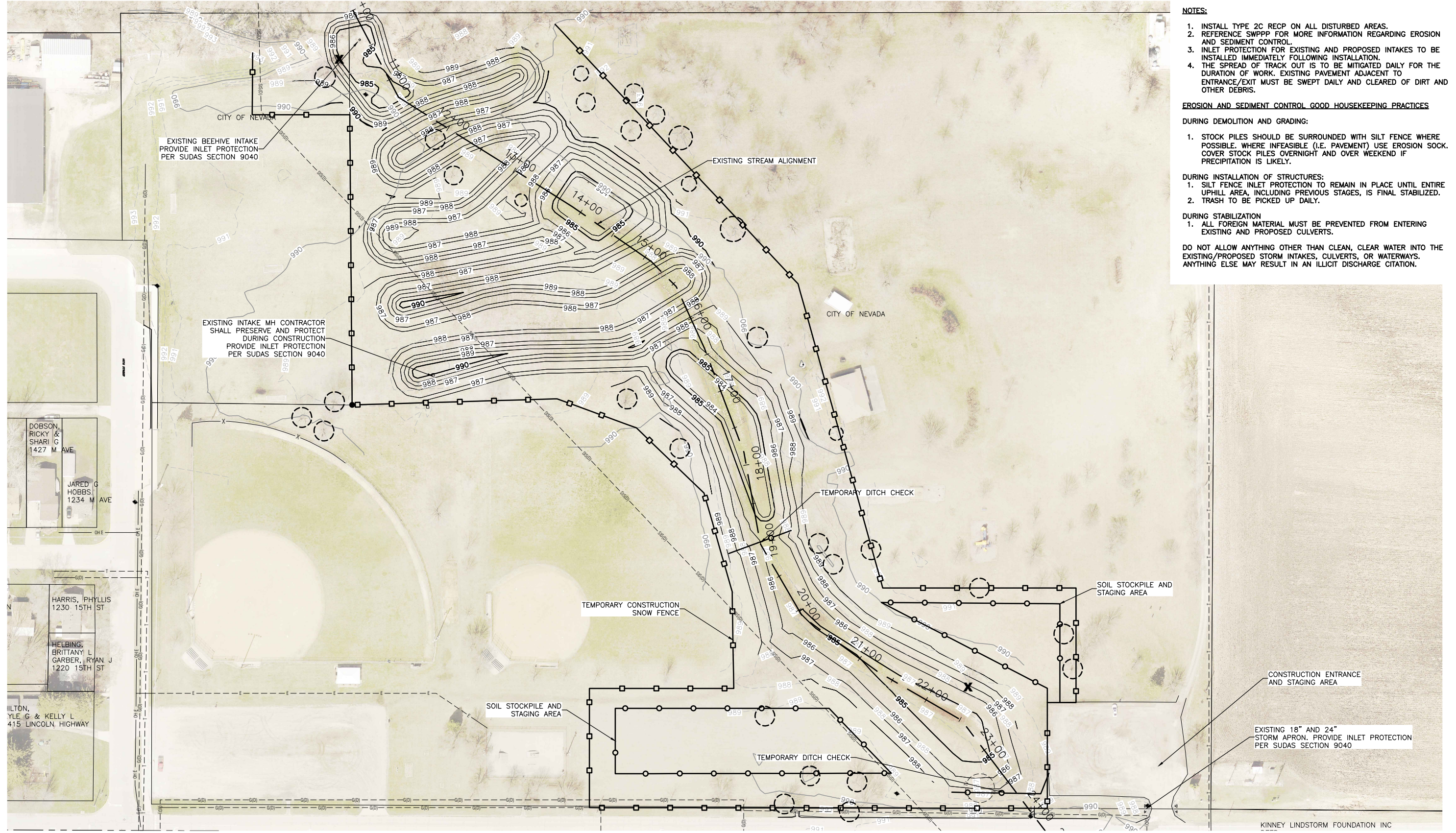
DURING INSTALLATION OF STRUCTURES:

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 EROSION CONTROL PLAN



LEGEND

- EROSION BARRIER
- REMOVE TREE AND TREAT STUMP WITH HERBICIDE.
- PROTECT TREE

**FOR BID
NOT FOR CONSTRUCTION**

Xref: xg1-3-dm01; XCK-IMAGE; XC-3-SURF; XC-3-ROW; XCX-3-SURF; XCX-3-ALGN; XV-3-BASE

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CAD DATE: 3/5/2024 12:28:32 PM		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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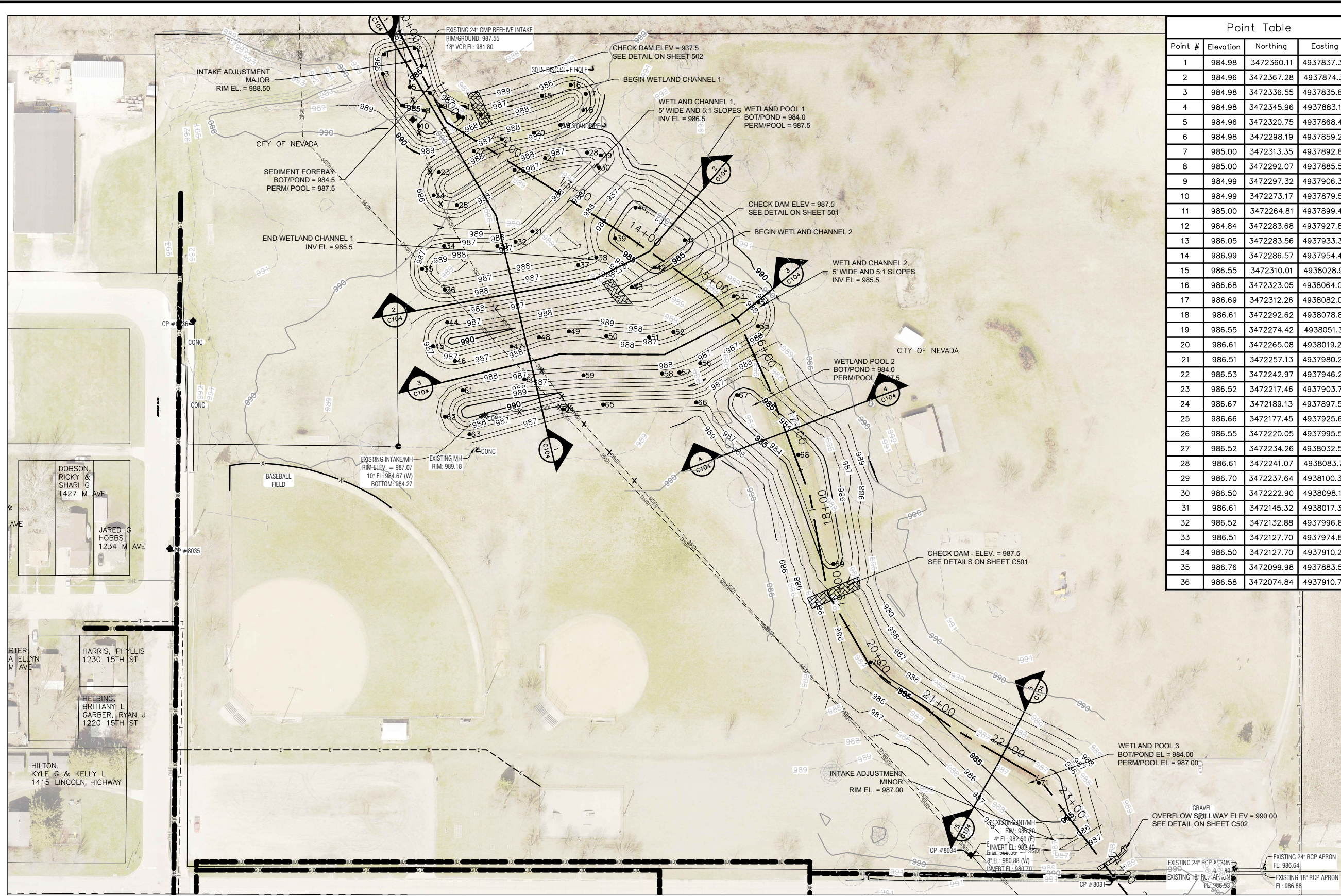
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 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
EROSION CONTROL PLAN

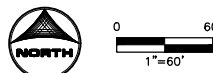
SHEET NO.
C102



Point Table			
Point #	Elevation	Northing	Eastng
1	984.98	3472360.11	4937837.35
2	984.96	3472367.28	4937874.31
3	984.98	3472336.55	4937835.80
4	984.98	3472345.96	4937883.13
5	984.96	3472320.75	4937868.49
6	984.98	3472298.19	4937859.25
7	985.00	3472313.35	4937892.88
8	985.00	3472292.07	4937885.59
9	984.99	3472297.32	4937906.30
10	984.99	3472273.17	4937879.56
11	985.00	3472264.81	4937899.42
12	984.84	3472283.68	4937927.84
13	986.05	3472283.56	4937933.36
14	986.99	3472286.57	4937954.48
15	986.55	3472310.01	4938028.91
16	986.68	3472323.05	4938064.04
17	986.69	3472312.26	4938082.08
18	986.61	3472292.62	4938078.86
19	986.55	3472274.42	4938051.31
20	986.61	3472265.08	4938019.24
21	986.51	3472257.13	4937980.28
22	986.53	3472242.97	4937946.26
23	986.52	3472217.46	4937903.72
24	986.67	3472189.13	4937897.54
25	986.66	3472177.45	4937925.66
26	986.55	3472220.05	4937995.59
27	986.52	3472234.26	4938032.58
28	986.61	3472241.07	4938083.71
29	986.70	3472237.64	4938100.38
30	986.50	3472222.90	4938098.16
31	986.61	3472145.32	4938017.30
32	986.52	3472132.88	4937996.86
33	986.51	3472127.70	4937974.82
34	986.50	3472127.70	4937910.26
35	986.76	3472099.98	4937883.56
36	986.58	3472074.84	4937910.78

Point Table			
Point #	Elevation	Northing	Eastng
37	986.59	3472104.64	4938072.84
38	986.67	3472113.71	4938094.87
39	984.00	3472136.87	4938117.70
40	984.00	3472174.27	4938142.40
41	984.00	3472134.80	4938202.17
42	984.00	3472101.55	4938165.79
43	986.01	3472077.79	4938138.06
44	986.43	3472035.15	4937914.03
45	986.49	3472006.18	4937897.00
46	986.42	3471988.34	4937923.37
47	986.44	3472005.83	4937991.91
48	986.48	3472017.15	4938025.40
49	986.49	3472024.21	4938061.68
50	986.50	3472018.30	4938107.16
51	986.43	3472016.99	4938159.04
52	986.44	3472023.40	4938188.51
53	986.51	3472066.71	4938261.57
54	986.44	3472059.49	4938291.61
55	986.45	3472030.45	4938291.28
56	986.64	3471985.60	4938221.00
57	986.47	3471974.28	4938195.72
58	986.71	3471972.97	4938174.71
59	986.57	3471970.97	4938079.26
60	986.50	3471965.88	4938007.68
61	986.47	3471952.76	4937932.82
62	986.48	3471920.60	4937911.15
63	986.48	3471899.28	4937941.03
64	986.50	3471929.79	4938054.47
65	986.50	3471935.37	4938103.23
66	986.50	3471937.98	4938216.10
67	984.00	3471946.84	4938265.68
68	984.00	3471874.54	4938339.93
69	984.00	3471742.20	4938382.48
70	985.00	3471622.96	4938427.22
71	984.60	3471476.93	4938631.58
72	984.98	3471433.70	4938664.25

1 SOUTH SITE PLAN



FOR BID
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DRAWN BY: CTK
APPROVED: JWM
CAD DATE: 2/28/2024 2:59:10 PM
CAD FILE: J:\2019\191900\CAD - Harrington Park\DWGS\C103 SOUTH SITE PLAN.dwg

JOB DATE: 2022
JOB NUMBER: 191900.03

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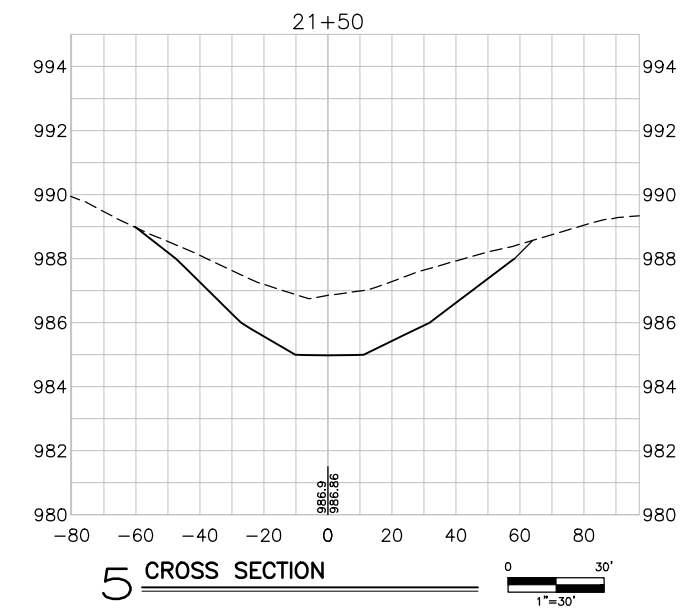
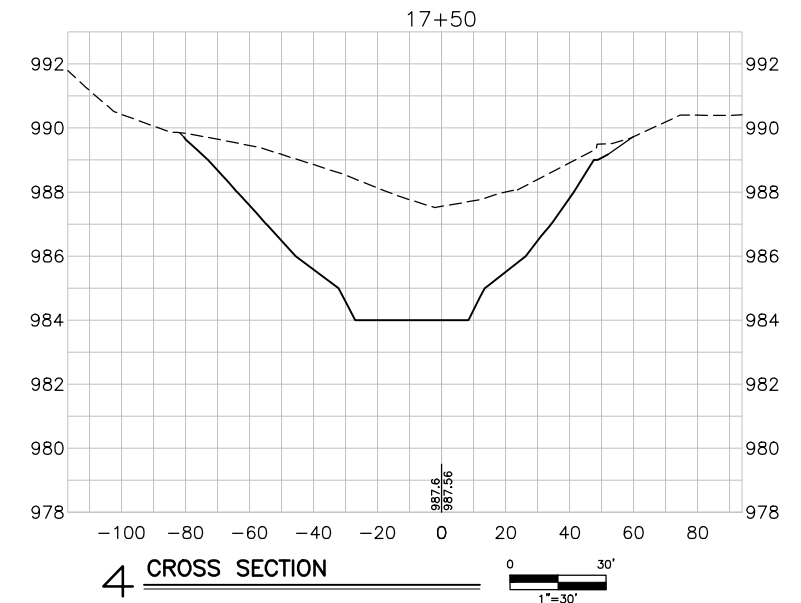
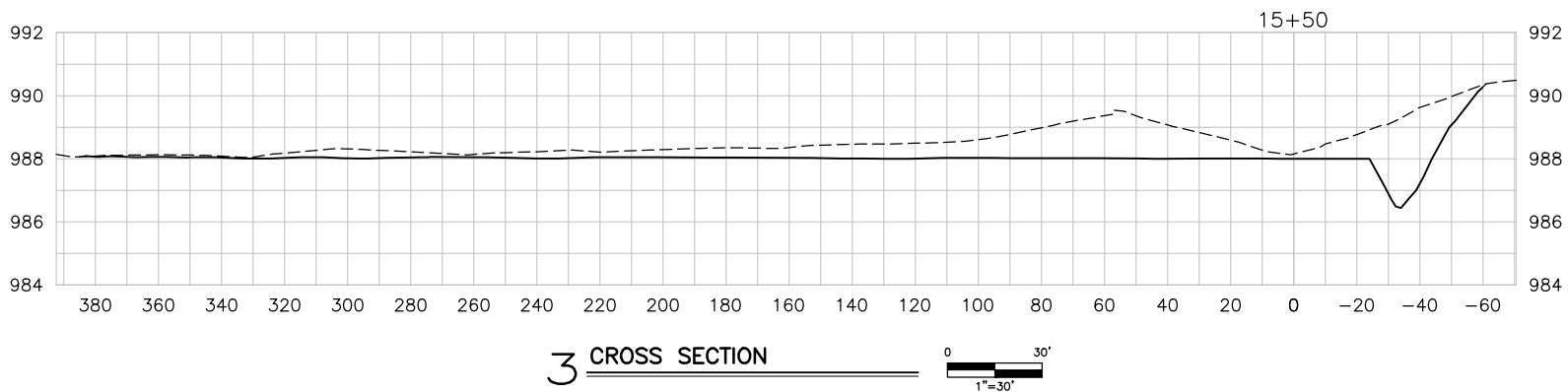
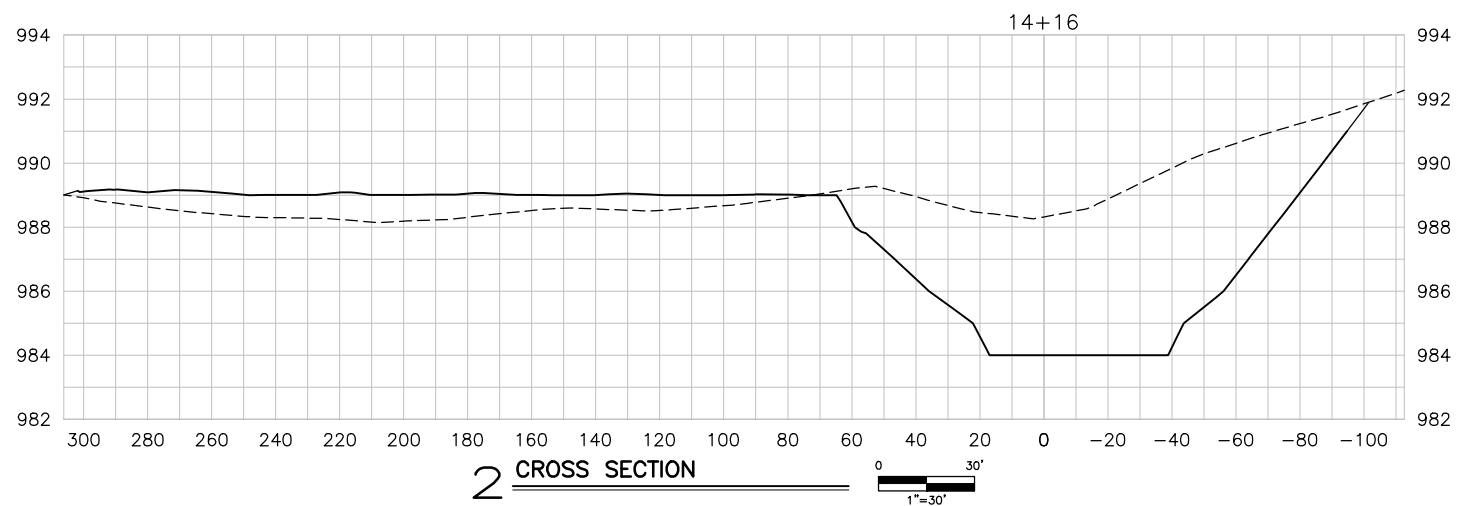
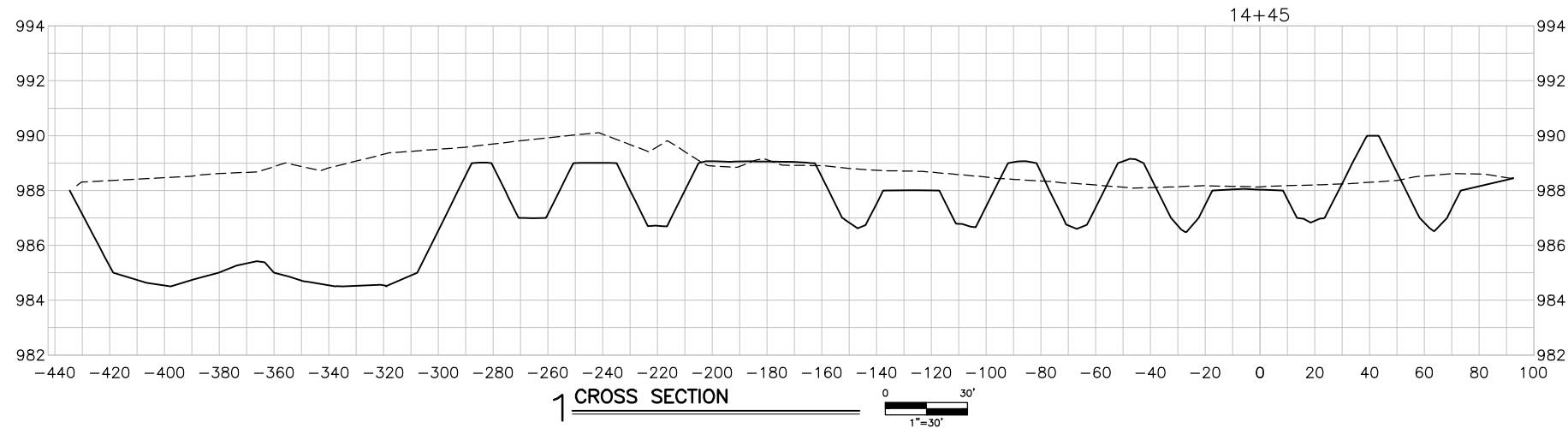
NO.	DATE	BY	REVISION DESCRIPTION

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HARRINGTON PARK - SRF PROJECT
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
SOUTH ALIGNMENT PLAN

SHEET NO.
C103



DRAWN BY: CTK JOB DATE: 2022
 APPROVED: SJP JOB NUMBER: 191900.03
 CAD DATE: 1/4/2024 9:19:26 AM
 CAD FILE: J:\2019\191900\CAD - Harrington Park\dwgs\C\105 SOUTH CROSS SECTIONS.dwg

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NO.	DATE	BY	REVISION DESCRIPTION




HARRINGTON PARK - SRF PROJECT
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 SOUTH CORSS SECTIONS

SHEET NO.
 C104

Xref: xgl-3-dh01: XC-3-XSEC

LEGEND

 TEMPORARY SEEDING. APPLY SEEDING AND ROLLED EROSION CONTROL BLANKET PER THE SEEDING SPECIFICATIONS (7 ACRES)



DOBSON, RICKY & SHARI G
1427 M AVE

JARED G HOBBS
1234 M AVE

HARRIS, PHYLLIS
1230 15TH ST

HELBING, BRITTANY L
GARBER, RYAN J
1220 15TH ST

HILTON, KYLE G & KELLY L
1415 LINCOLN HIGHWAY

1 OVERALL SITE PLAN
SCALE:



KINNEY LINDSTORM FOUR DEED
FOR BID
NOT FOR CONSTRUCTION

DRAWN BY: CTK
APPROVED: JWM
CAD DATE: 1/4/2024 9:22:28 AM
CAD FILE: J:\2019\191900\CAD - Harrington Park\DWGs\C\106 LANDSCAPE PLAN.dwg

JOB DATE: 2022
JOB NUMBER: 191900.03
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
C106 LANDSCAPE PLAN.dwg

NO.	DATE	BY	REVISION DESCRIPTION

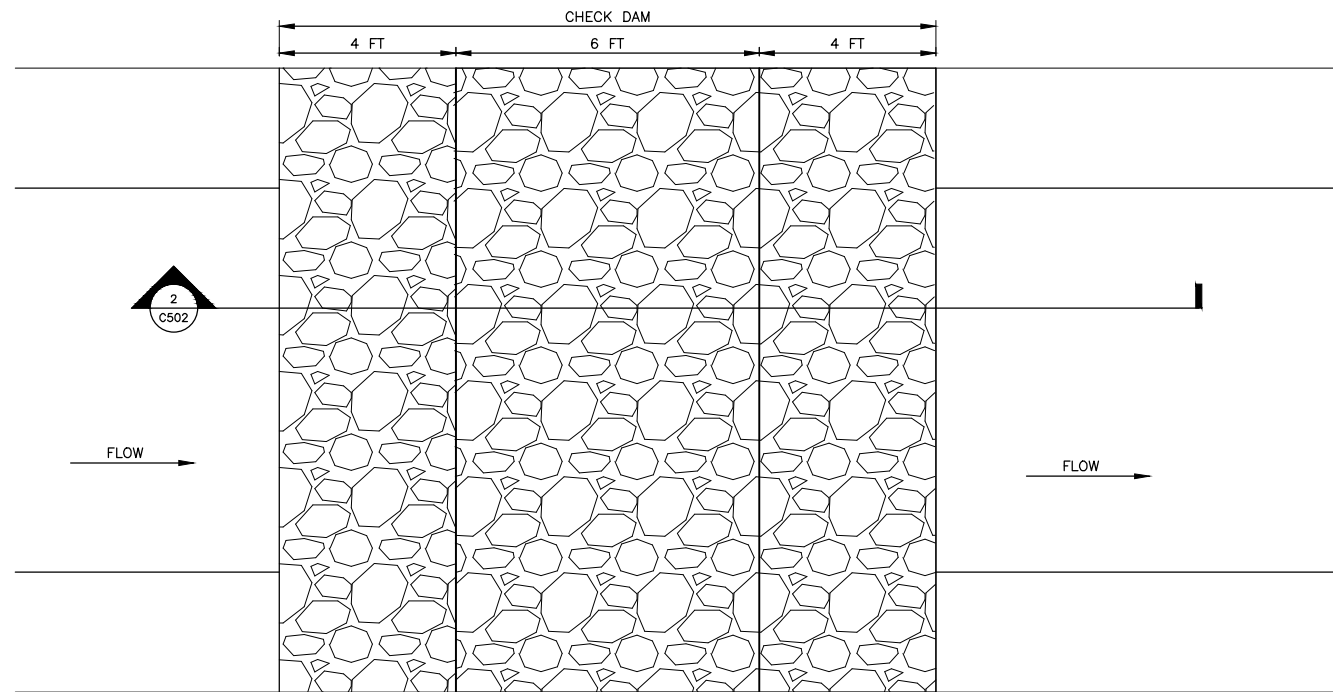


HARRINGTON PARK – SRF PROJECT
CITY OF NEVADA IOWA
NEVADA, IOWA

CIVIL
SOUTH TEMPORARY SEEDING PLAN

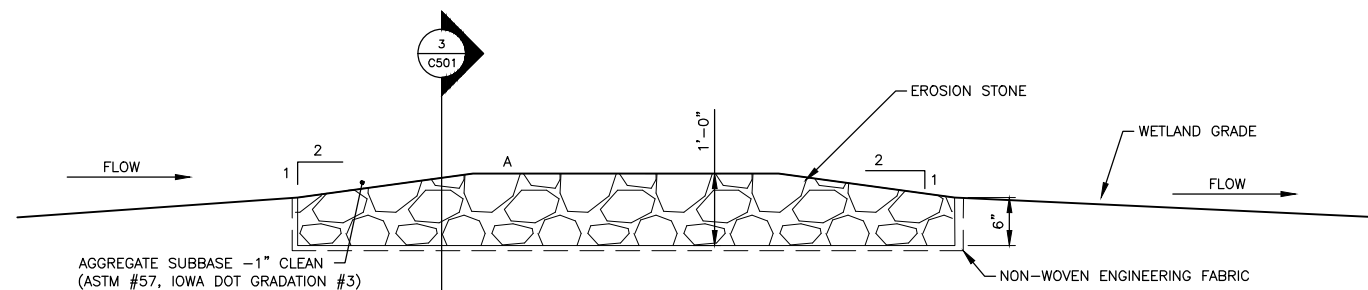
SHEET NO.
C105

Xref: xg1-3-dn1; XCK=IMAGE; XC=3-SURF; XCX=PROP-OWNER-NAME; X1=3-ROW; XCX=3-SURF; XC=3-ALIGN



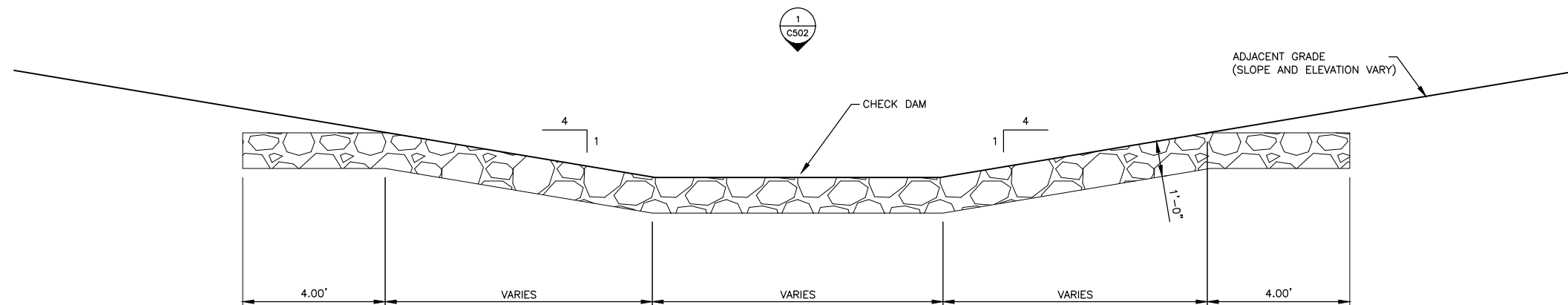
1 PLAN: CHECK DAM

SCALE: NO SCALE



2 SECTION: CHECK DAM

SCALE: NO SCALE



3 SECTION/ELEVATION: CHECK DAM

SCALE: NO SCALE

**FOR BID
NOT FOR CONSTRUCTION**

DRAWN BY: CTK
 APPROVED: JWM
 CAD DATE: 1/4/2024 9:38:51 AM
 CAD FILE: J:\2019\191900\CAD - Harrington Park\dwgs\C\C501 DETAILS.dwg

JOB DATE: 2022
 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

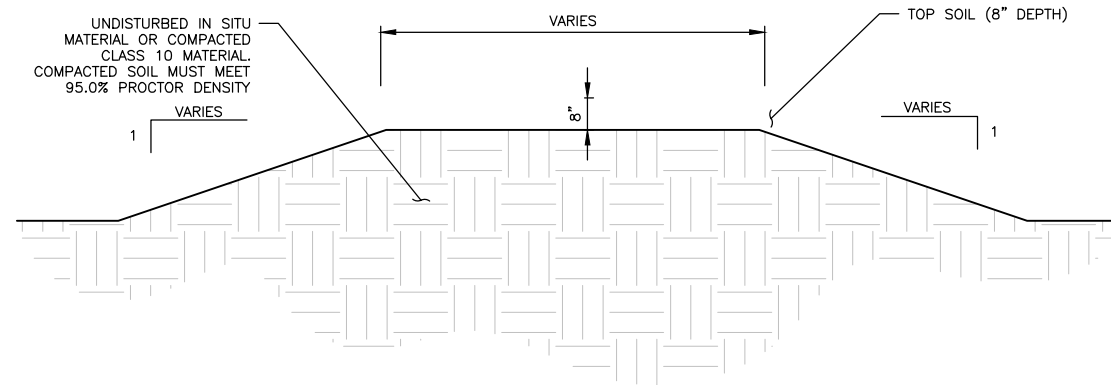


HARRINGTON PARK – SRF PROJECT
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 DETAILS

SHEET NO.
C501

Xref: xgl-3-dm01: xc-3-d01 - CHECK DAM

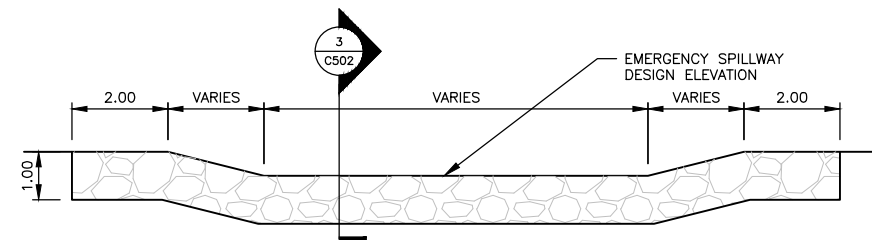


1 BERM TYPICAL SECTION

SCALE:

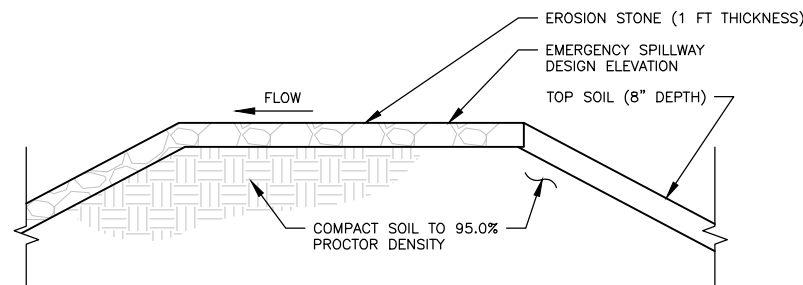
NOTES:

1. EMBANKMENT MATERIAL SHALL CONSIST OF SANDY LEAN CLAY OR LEAN CLAY WITH A PLASTIC INDEX NOT TO EXCEED 15 AND A LIQUID LIMIT LESS THAN 48.
2. PLACE EMBANKMENT MATERIAL IN HORIZONTAL LAYERS NO GREATER THAN 8 INCHES IN LOOSE THICKNESS.
3. COMPACT EMBANKMENTS TO 95 PERCENT OF THE MATERIAL'S MAXIMUM DRY DENSITY (ASTM D698).
4. NO FILL SHALL BE PLACED ON FROZEN SUBGRADES. NO FROZEN SOILS SHALL BE USED AS FILL.



2 EMERGENCY SPILLWAY SECTION CUT VIEW

SCALE:



NOTES:

1. EMERGENCY SPILLWAYS ARE LOCATED AT THE DOWNSTREAM END OF ALL WETLANDS AND WASCOBS, AND ARE DIFFERENT FROM CHECK DAMS.

3 EMERGENCY SPILLWAY SECTION VIEW

SCALE:

**FOR BID
NOT FOR CONSTRUCTION**

DRAWN BY: CTK JOB DATE: 2022
 APPROVED: JWM JOB NUMBER: 191900.03
 CAD DATE: 1/4/2024 9:31:18 AM
 CAD FILE: J:\2019\191900\CAD - Harrington Park\dwgs\C\C502 DETAILS.dwg

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

NO.	DATE	BY	REVISION DESCRIPTION



HARRINGTON PARK – SRF PROJECT
 CITY OF NEVADA IOWA
 NEVADA, IOWA

CIVIL
 DETAILS

SHEET NO.
C502

Xref: xg-3-dh01: xc-3-d02 BERM AND EMERGENCY SPILLWAY