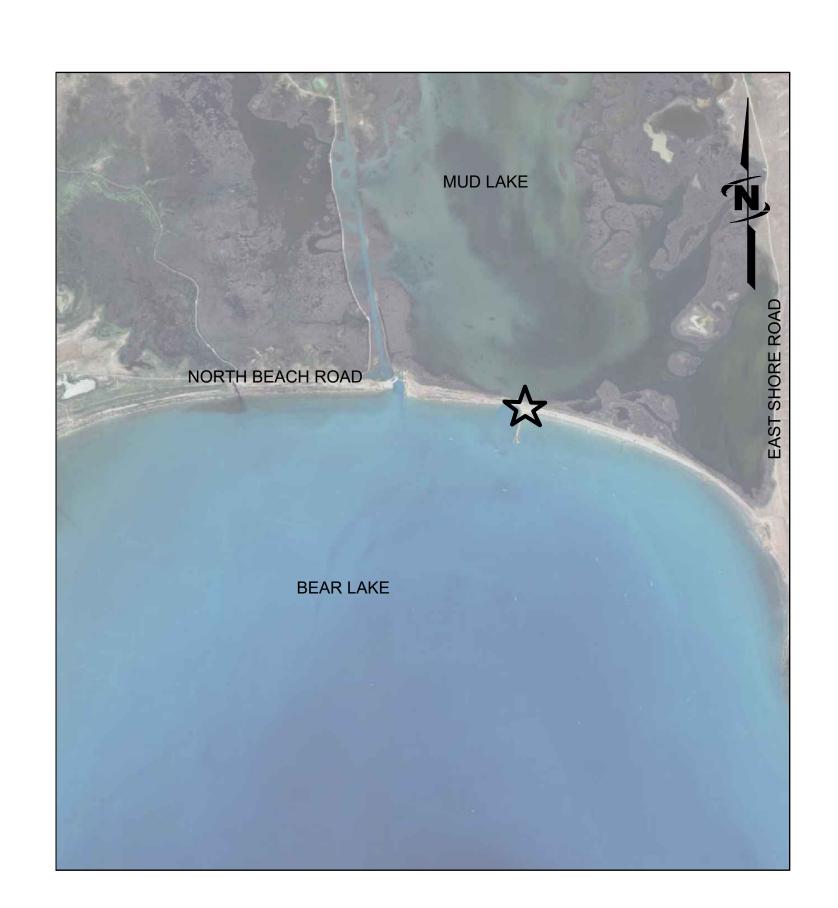
BRITISH COLUMBIA (CANADA) BOULD TO THE THE PROPERTY OF THE PR

AREA MAP



VICINITY MAP

NORTH BEACH REDESIGN

BEAR LAKE STATE PARK

IDAHO DEPARTMENT OF PARKS AND RECREATION

OCTOBER 2025

BID SET

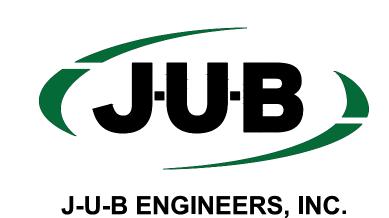




<u>IDPR PROJECT NO. 350341</u> J-U-B PROJECT NO. 57-24-031

Sheet List Table

Sheet Number	Sheet Title
G-001	COVER
G-002	GENERAL NOTES
G-003	STRUCTURAL NOTES
G-004	LINE LEGEND AND DETAIL KEY
G-005	SYMBOL, LEGENDS, AND ABBREVIATIONS
D-101	DEMOLITION PLAN
C-101	OVERALL SITE AND UTILITY PLAN
C-102	WEST SITE AND UTILITY PLAN
C-103	EAST SITE AND UTILITY PLAN
C-104	WEST GRADING PLAN
C-105	EAST GRADING PLAN
C-106	EROSION CONTROL PLAN
C-501	CIVIL DETAILS
C-502	CIVIL DETAILS



1047 South 100 West, Suite 180, Logan, UT 84321 p 435 713 9514 w www.jub.com



THE LANGDON GROUP





J-U-B FAMILY OF COMPANIES

REUSE OF DOCUMENTS

J-U-B grants to CLIENT a nonexclusive, non-transferable license to use the Drawings, Specifications and/or Contract Documents (Documents) as follows:

CLIENT may make and retain copies of the Documents for reference, but J-U-B shall retain all common law, statutory and other reserved rights, including the copyright thereto, and the same shall not be reused on this Project or any other Project without J-U-B's prior written consent. Distribution of Documents to meet regulatory or permitting requirements, or for similar purposes, in connection with the Project, including but not limited to distribution to contractors or subcontractors for the performance of their work, is not to be construed as publication adversely affecting the reserved rights of J-U-B. The Documents are not intended for use in creating dtm for grading or earthwork, survey staking layout (unless specifically identified as such in the documents), or property boundary layouts.

Any reuse without written consent by J-U-B, or without verification or adoption by J-U-B for the specific purpose intended by the reuse, will be at CLIENT's sole risk and without liability or legal exposure to J-U-B. The CLIENT shall release, defend, indemnify, and hold J-U-B harmless from any claims, damages, actions or causes of action, losses, and expenses, including reasonable attorneys' and expert fees, arising out of or resulting from such reuse.

If the Documents are provided in electronic format, the electronic documents are subject to the provisions of J-U-B's "electronic document/data limited license" found at edocs.jub.com

GENERAL NOTES

- . IDAHO DEPARTMENT OF PARKS AND RECREATION AND BEAR LAKE COUNTY HAVE JURISDICTION OVER THIS PROJECT. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND BUSINESS LICENSES PRIOR TO CONSTRUCTION.
- 2. CONTRACTOR IS RESPONSIBLE FOR DUST ABATEMENT AND ANY LIABILITY ISSUES RELATED TO DUST AT ANY LOCATION WHICH MAY BE CAUSED BY THIS PROJECT.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION OF PEDESTRIANS IN AND AROUND THIS WORK. REFERENCE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD LATEST EDITION FOR WORK ZONE TRAFFIC CONTROL).
- 4. ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND, IN PARTICULAR, REQUIREMENTS OF ANY RIGHT-OF-WAY SPECIAL USE PERMIT, OR OTHER PERMIT. ALL WORK SHALL MEET CURRENT OSHA REQUIREMENTS.
- 5. WHERE WORK IS PERFORMED ON EASEMENTS, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO ELIMINATE ANY ADVERSE EFFECTS ON THE ADJACENT PROPERTY AND/OR TO RESTORE IT TO ITS ORIGINAL CONDITION.
- 6. ALL DISTANCES AND DATA SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. IN CASE OF CONFLICT THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT CLARIFICATION MAY BE MADE PRIOR TO THE START OF THE WORK.
- 7. THE CONTRACTOR SHALL ARRANGE FOR, SECURE AND PAY FOR DIRECTLY, ANY AND ALL TEMPORARY UTILITY SUPPLIES (E.G. WATER, POWER, AND TELEPHONE) IT MAY REQUIRE FOR PROSECUTION OF ITS WORK. THE COST OF SUCH UTILITIES SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM WITH WHICH IT IS ASSOCIATED.
- 8. SHOULD CONSTRUCTION BE HALTED BECAUSE OF INCLEMENT WEATHER CONDITIONS, THE CONTRACTOR WILL COMPLETELY CLEAN UP ALL AREAS AND MAINTAIN THE SURFACE IN GOOD CONDITION DURING THE SHUT-DOWN PERIOD.
- THE CONTRACTOR'S PERSONNEL, EQUIPMENT, AND OPERATIONS SHALL COMPLY FULLY WITH ALL APPLICABLE STANDARDS, REGULATIONS, AND REQUIREMENTS OF EXISTING FEDERAL, IDAHO STATE, AND LOCAL GOVERNMENTAL AGENCIES.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL LOCAL, STATE, AND FEDERAL PERMITS REQUIRED FOR STORMWATER POLLUTION PREVENTION AS A RESULT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN FOR APPROVAL BY THE ENGINEER. IF THE CONSTRUCTION WILL DISTURB MORE THAN ONE ACRE, THE CONTRACTOR SHALL OBTAIN A COPY OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY'S NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (OTHERWISE KNOWN AS THE CONSTRUCTION GENERAL PERMIT OR CGP) AND SUBMIT A "NOTICE OF INTENT" (NOI)[EPA FORM 3510-9 (6/03)] FOR PERMIT COVERAGE UNDER THE GENERAL PERMIT. THE CGP MAY BE FOUND ON THE INTERNET AT <HTTP://WWW.EPA.GOV/NPDES/STORMWATER/CGP> OR BY CONTACTING THE U.S. EPA OFFICE OF WATER DIRECTLY AT (800) 424-4372. THE NOI MAY BE FILED ELECTRONICALLY AT THE FOLLOWING WEBSITE: <HTTP://CFPUB.EPA.GOV/NPDES/STORMWATER/ENOI.CFM>. THE CGP DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH OTHER REGULATIONS OR CONTRACT REQUIREMENTS REGARDING STORMWATER POLLUTION PREVENTION INCLUDING BUT NOT LIMITED TO: PROTECTION OF SURFACE WATERS, PREVENTION OF SOIL RUNOFF INTO DRAINS, DUST CONTROL, PREVENTION OF TRACKING SOILS TO ADJACENT STREETS, FUEL CONTAINMENT, SPILL CONTROL, ETC.
- 11. ALL WORK SHALL BE CONTAINED IN OR LIMITED TO THE AGENCY'S PROPERTY, EASEMENTS, OR APPROVED STAGING AREAS.
- 12. SLOPE ON ALL FOOTING DRAINS TO BE MINIMUM OF 0.5%.
- 13. THE GEOTECHNICAL EVALUATION FOR THIS PROJECT IS FOUND IN THE PROJECT SPECIFICATIONS. RECOMMENDATIONS FROM THE REPORT SHALL BE FOLLOWED. IN THE EVENT OF A CONFLICT WITH THE PROJECT SPECIFICATIONS, THE ENGINEER AND THE GEOTECHNICAL ENGINEER WILL APPROVE THE PROPER COURSE OF ACTION. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE SOILS INFORMATION.
- 14. CONTRACTOR TO PROVIDE, CONSTRUCT, MAINTAIN AND REMOVE A TEMPORARY FENCE AROUND THE CONSTRUCTION SITE USED TO PROTECT NEIGHBORING PROPERTIES FROM DAMAGE. CONTRACTOR IS ALSO RESPONSIBLE TO PROTECTION TO SAFE GUARD WORK SITE. PAY ITEM TO BE INCLUDED IN MOBILIZATION.
- 15. THE ENGINEER WILL PROVIDE VERTICAL AND HORIZONTAL CONTROLS ONE TIME ON THE PROJECT SITE. ANY ADDITIONAL CONSTRUCTION STAKING REQUIRED TO COMPLETE THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- 16. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES AND BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES AND EXISTING IMPROVEMENTS AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.
- 17. DURING CONSTRUCTION, ALL OPEN ENDS OF ALL PIPE LINES SHALL BE COVERED AND SEALED AT THE END OF THE WORK DAY.
- 8. THE MINIMUM COVER FOR ALL WATER LINES SHALL BE 5' UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.

EXISTING UTILITIES

1. APPROXIMATE LOCATIONS OF UTILITIES ARE SHOWN ON THE PLANS. THEY ARE TO BE USED FOR GENERAL INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE APPROPRIATE UTILITY COMPANIES WHEN CONSTRUCTION MIGHT INTERFERE WITH NORMAL OPERATION OF ANY UTILITIES. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE APPROPRIATE UTILITY COMPANY FIELD-LOCATE ANY UTILITY INSTALLATIONS WHICH MIGHT BE AFFECTED BY CONSTRUCTION PRIOR TO BEGINNING WORK IN THAT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICE OF EXISTING UTILITIES AND FOR RESTORING ANY UTILITIES DAMAGED DUE TO CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. DEPTHS AND ELEVATIONS OF UTILITIES ARE UNKNOWN UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL FIELD VERIFY UTILITY DEPTHS, ELEVATIONS, ANY DISCREPANCIES AND/OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

INSPECTION AND TESTING

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATERIALS TESTING INCLUDING BUT NOT LIMITED TO CONCRETE, FLUSHING, DISINFECTION, LEAK, PRESSURE, BACTERIOLOGICAL, AND COMPACTION. ALL TESTS SHALL MEET MINIMUM ENGINEER REQUIREMENTS. SEE THE CONTRACT DOCUMENTS AND DRAWINGS FOR FREQUENCY OF TESTING. RESULTS ARE TO BE DELIVERED TO SPECIAL INSPECTOR, OWNER AND ENGINEER.
- 2. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ENGINEER AND SPECIAL INSPECTOR FOR INSPECTIONS OF WORK AT APPROPRIATE INTERVALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR ADDITIONAL INSPECTIONS THAT ARE THE RESULT OF HIS WORKMANSHIP.

CONTACT PHONE NUMBERS

IDAHO DEPARTMENT OF PARKS AND RECREATION -

BEAR LAKE STATE PARK OFFICE

 NATHAN POWERS
 208-497-1505 m

 SARAH SUNDQUIST
 208-912-3296 m

 ANDY STOKES
 208-530-3248 m

208-912-3296 m PROJECT MANAGER 208-530-3248 m PARK MANAGER 208-945-2325 o

CONSTRUCTION MANAGER

ENGINEER -

QUINN DANCE 435-770-9920 m PROJECT MANAGER
DANIEL NETZLEY 435-881-8988 m PROJECT ENGINEER
J-U-B OFFICE 435-713-9514 o

BEAK LAKE COUNTY -

WAYNE DAVIDSON 208-945-2155 EXT 1428 BUILDING DEPARTMENT TODD BOEHME 208-479-5797 m ROADS AND BRIDGES



Know what's **below. Call** before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



J-U-B ENGINEERS, INC. 1047 South 100 West Suite 180 Logan, UT 84321

BID SET



		REUSE OF DRAWINGS			_
	<u>ا</u> ۔	J-U-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND	, COPYR	IGHT AND	
	OTH	OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME	S THE S	SAME	_
()	SHA	SHALL NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT.	TTEN CC	NSENT.	_
N()	AN≺	ANY REUSE WITHOUT WRITTEN CONSENT BY J-U-B WILL BE AT CLIENT'S	VILL BE /	AT CLIENT'S	
	SOL	SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-U-B.	SURE TC) J-U-B.	
		REVISION			
					_
					_
					_
	S N	DESCRIPTION	3Y APF	BY APR. DATE	_

NORTH BEACH REDESIGN ARTMENT OF PARKS AND RECRE

FILE: 57-24-031_G-002
IDPR PROJ. #: 350341
JUB PROJ. #: 57-24-031
DRAWNG/DESIGN BY: DAN
CHECKED BY: QVD

0

AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGI

SHEET NUMBER:

G-002

STRUCTURAL MATERIALS

- A. PROJECT CONCRETE MIX TYPES: CONCRETE SHALL BE PROPORTIONED AND FURNISHED FOR THE VARIOUS PROJECT USES AS INDICATED ON THE PLANS AND AS FOLLOWS. ALL CONCRETE AGGREGATES IN THIS AREA REQUIRE ALKALI-SILICA MITIGATION:
- i M2500-SEC: SECONDARY CONCRETE MIX FOR FILL AND BACKFILL AROUND BURIED PIPES UNDERNEATH STRUCTURAL FOOTINGS AND FOUNDATION SLABS: FC = 2,500 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.55, AIR CONTENT = 6% (+/- 1.5%), MAXIMUM AGGREGATE SIZE 3/8-INCH; SLUMP 8-INCH
- ii M4500-STD: STANDARD EXTERIOR STRUCTURAL CONCRETE MIX FOR ALL OTHER CONCRETE INCLUDING ABOVE GRADE STRUCTURAL WALLS AND SLABS: FC = 4,500 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.45, AIR CONTENT = 6% (+/- 1.5%)
- iii M4500-SPS: SUPER-PLASTICIZED CONCRETE MIX FOR LIQUID-RETAINING CONCRETE STRUCTURAL WALLS AND FOUNDATION SLABS: FC = 4,500 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.40, AIR CONTENT = 6% (+/- 1.5%).
- iv M2500-GFM: MIX FOR GROUT FILL FOR CREATING SLOPE IN LIQUID RETAINING STRUCTURES: FC = 2,500 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.55, AIR CONTENT = 6% (+/- 1.5%), MAXIMUM AGGREGATE SIZE 3/8-INCH; SLUMP 8-INCH
- v M-SLURRY: SLURRY CONCRETE FOR HORIZONTAL CONSTRUCTION JOINTS IN WALLS. A FLOWABLE MIX CONSISTING OF SAND, 3/8-INCH MAXIMUM AGGREGATE, WATER AND A MINIMUM 1,150 POUNDS OF CEMENT PER CUBIC YARD.
- vi M-CDF: MIX FOR CONTROLLED DENSITY FILL (CDF) OR CONTROLLED LOW STRENGTH MATERIAL (CLSM). CDF SHALL BE A MIXTURE OF CEMENT, FINE AND COARSE AGGREGATE, FLY ASH AND ADMIXTURES FORMULATED TO BE FLOWABLE AND SELF-CONSOLIDATING WITH A NET 28 DAY COMPRESSIVE STRENGTH OF 200 TO 300 PSI
- B. CONCRETE MIX COMPONENTS.
- i A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, USED IN STRICT CONFORMANCE WITH THE MANUFACTURERS INSTRUCTIONS. SHALL BE INCORPORATED IN ALL CONCRETE MIX DESIGNS
- ii FOR ALL WATER-RETAINING CONCRETE STRUCTURAL WALLS AND SLABS, A HIGH-RANGE WATER-REDUCING (HRWR) ADMIXTURE CONFORMING TO ASTM C494, TYPE F OR G. SHALL BE USED. THE TOTAL SLUMP SHALL BE LESS THAN 10-IN
- iii HIGHER WATER-CEMENT RATIOS THAN SHOWN ABOVE MAY BE USED IF SUBSTANTIATED IN ACCORDANCE WITH ACI 318
- iv FLY-ASH CONFORMING TO ASTM C618 TYPE F OR C, MAY REPLACE UP TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA.
- v CEMENT: ASTM C150 TYPE I/II OR IL.
- vi CEMENT: ASTM C845 TYPE K FOR SHRINKAGE COMPENSATING MIXES.
- vii WATER: CLEAN & POTABLE.
- viii AIR ENTRAINING AGENT: ASTM C260. EXCEPT WHERE NOTED NON-AIR ENTRAINED.
- ix AGGREGATE: 0.75-INCH MAXIMUM AGGREGATE PER ASTM C33. LOCAL AGGREGATES REQUIRE ALKALI-SILICA MITIGATION UNLESS NOTED OTHERWISE. SEE STANDARD SPECIFICATIONS FOR ALKALI-SILICA REACTION AND MITIGATION REQUIREMENTS.
- x MIX PROPORTIONING: ACI 211.1 AND 350R
- C. CONCRETE ACCESSORIES:
- i REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60: #3
- ii REINFORCING STEEL TO BE WELDED: ALL REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60, LOW-ALLOY, DEFORMED REINFORCING STEEL.
- iii WELDED WIRE FABRIC: ASTM A185 OR A497.
- IV EPOXY COATED REINFORCING BARS: ALL EPOXY COATED REINFORCING STEEL SHALL CONFORM TO ASTM A775 OR A 934. REPAIR COATING DAMAGE DUE TO SHIPPING, HANDLING, AND PLACING.
- v STAINLESS STEEL BARS: STAINLESS STEEL BARS SHALL CONFORM TO ASTM A955.
- vi WIRE: PLAIN WIRE SHALL CONFORM TO ASTM A 82. DEFORMED WIRE SHALL CONFORM TO ASTM A496, AND EPOXY COATED WIRE SHALL CONFORM TO ASTM A884.
- VII JOINTING MATERIALS: IN ACCORDANCE WITH ACI 350, ALL JOINTING MATERIALS INCLUDING WATER-STOPS, EXPANSION JOINTS AND SEALANTS SHALL BE RESISTANT TO CHEMICAL ATTACK FOR THE DESIGN LIFE OF THE FACILITY. SEALANTS SHALL CONFORM TO ASTM C920 AND FEDERAL SPECIFICATION TT-S-00227E AND PVC WATER-STOP SHALL CONFORM TO ASTM D570, ASTM D746, ASTM D1149 AND CRD-C572.
- D. NON-SHRINK GROUT: ALL NON-SHRINK GROUT NOTED ON THE PLANS SHALL BE NON-SHRINK, NON-METALLIC GROUT WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 7,000 PSI.

ADHESIVE ANCHORS

- A. MATERIALS
- i THE ADHESIVE ANCHOR SYSTEM USED FOR POST-INSTALLED ANCHORAGE TO CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY PUBLISHED ACI 355.4, QUALIFICATION OF POST—INSTALLED ADHESIVE ANCHORS IN CONCRETE AND COMMENTARY. THE ANCHOR SYSTEM SHALL BE ONE OF THE FOLLOWING:
 - (i) SIMPSON SET-3G
 - (ii) HILTI HIT-HY 200-R V3
 - (iii) APPROVED EQUAL MEETING ACI 355.4 AND THE FOLLOWING MINIMUM STRESS VALUES.
 - 1. CRACKED CONCRETE BOND STRESS, Tcr=760 PSI FOR 0.75-INCH DIAMETER THREADED ROD ANCHOR OR REBAR.
 - 2. UNCRACKED CONCRETE BOND STRESS, Tuncr=1,710 PSI FOR 0.75-INCH
- ii REBAR AND/OR ANCHOR ROD TYPE AND MATERIAL SHALL BE AS SPECIFIED.

DIAMETER THREADED ROD ANCHOR OR REBAR.

- iii NUTS, WASHERS, AND OTHER HARDWARE USED WITH AN ALL-THREADED BAR ADHESIVE ANCHOR SYSTEM SHALL HAVE A MATERIAL OR AN ALLOY DESIGNATION THAT MATCHES THE ALL-THREAD MATERIAL OR ALLOY. GALVANIZED ASSEMBLIES SHALL BE HOT-DIPPED IN ACCORDANCE WITH ASTM A153 CLASS C.
- B. GENERAL INSTALLATION GUIDELINES.
- i CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT THE TIME OF ADHESIVE ANCHOR INSTALLATION.
- ii CONCRETE TEMPERATURE AT THE TIME OF ADHESIVE ANCHOR INSTALLATION SHALL BE AT LEAST 50-DEGREES F
- iii EMBEDMENT DEPTH AND ANCHOR PROJECTION FROM THE CONCRETE SURFACE SHALL BE AS SHOWN ON THE DRAWINGS OR DETAILS OR AS NECESSARY FOR THE PARTICULAR ANCHOR OR GROUP OF ANCHORS BEING INSTALLED
- C. INSTALLATION TECHNIQUES
- i ADHESIVE ANCHORS SHALL BE INSTALLED BY QUALIFIED PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS IN ACCORDANCE WITH THE SPECIFICATIONS. POST INSTALLED ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS (MPII).
- ii INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM. THE INSTALLER'S QUALIFICATIONS SHALL BE SUBMITTED AND APPROVED BY THE LICENSED DESIGN PROFESSIONAL
- iii ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH A ROTARY IMPACT HAMMER DRILL OR ROCK DRILL
- iv ANCHOR HOLES SHALL BE THOROUGHLY CLEANED PRIOR TO ADHESIVE INJECTION, AS
- v ANCHORS TO BE INSTALLED IN ADHESIVE SHALL BE CLEAN, OIL-FREE AND FREE OF LOOSE RUST, PAINT OR OTHER COATING.
- D. FIELD QUALITY CONTROL
- ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION BY AN INSPECTOR SPECIFICALLY APPROVED FOR THE PURPOSE BY THE BUILDING OFFICIAL.
- ii ADHESIVE ANCHORS SHALL BE PROOF TESTED AS FOLLOWS:
 - (a) A MINIMUM OF 10 PERCENT OF THE HORIZONTALLY OR UPWARDLY INCLINED INSTALLED ADHESIVE ANCHORS SHALL BE PROOF TESTED IN TENSION BY AN INDEPENDENT TESTING LABORATORY.
 - (b) TENSION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM E488 (c) THE ADHESIVE ANCHORS SHALL BE TENSION PROOF TESTED TO THE FOLLOWING LOADS:
 - (i) 0.75-INCH DIAMETER ANCHOR WITH 9-INCH EMBEDMENT, Pt=50 KIPS.
- (ii) 1.00-INCH DIAMETER ANCHOR WITH 12-INCH EMBEDMENT, Pt=75 KIPS
- iii ANCHORS SHALL HAVE NO VISIBLE INDICATIONS OF DISPLACEMENT OR DAMAGE DURING OR AFTER PROOF LOAD APPLICATION, CONCRETE CRACKING IN THE VICINITY OF THE ANCHOR AFTER LOADING SHALL BE CONSIDERED A FAILURE.
- iv IF MORE THAN 15 PERCENT OF THE TESTED ADHESIVE ANCHORS FAIL TO ACHIEVE THE SPECIFIED PROOF LOAD WITHIN THE LIMITS DEFINED ON THESE DRAWINGS, 100 PERCENT OF THE SAME DIAMETER AND TYPE AS THE FAILED ANCHOR SHALL BE PROOF TESTED, UNLESS OTHERWISE DIRECTED BY THE LICENSED DESIGN PROFESSIONAL.

CONCRETE QUALITY AND DETAILS

- A. GENERAL. CONCRETE SHALL BE PROPORTIONED TO PROVIDE AN AVERAGE COMPRESSIVE STRENGTH, FC, AS PRESCRIBED IN ACI 318/350 AND SHALL SATISFY THE DURABILITY CRITERIA OF ACI 318/350.
- B. CONCRETE PROPORTIONS.
- CONCRETE MIX PROPORTIONING SHALL BE IN ACCORDANCE WITH ACI 211.1: STANDARD PRACTICE FOR SELECTING PROPORTIONS FOR NORMAL-DENSITY AND HIGH-DENSITY CONCRETE.
- ii CONCRETE MIX PROPORTIONING FOR LIGHTWEIGHT CONCRETE SHALL BE IN ACCORDANCE WITH ACI 211.2; STANDARD PRACTICE FOR SELECTING PROPORTIONS FOR LIGHTWEIGHT CONCRETE.
- C. CONCRETE MIX VERIFICATION: CONCRETE MIX DESIGNS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39.
- D. EVALUATION AND ACCEPTANCE OF CONCRETE. CONCRETE SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318/350.
- E. MIXING & PLACING CONCRETE. CONCRETE SHALL BE PREPARED, MIXED, PLACED AND CONSOLIDATED IN ACCORDANCE WITH ACI 318/350 AND AS FOLLOWS:
- i ACI 304; GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE. ii ACI 309; GUIDE FOR CONSOLIDATION OF CONCRETE
- F. MINIMUM TIME BETWEEN ADJACENT PLACEMENTS
- i NON-LIQUID RETAINING STRUCTURES:
- (a) CONSTRUCTION JOINTS: FIVE (5) DAYS WET CURE, OR SEVEN (7) DAYS DRY CURE. (b) CONTROL JOINTS: TWO (2) DAYS
- (c) EXPANSION JOINTS: ONE (1) DAY.
- ii FLOOR SLABS:
- (a) CONSTRUCTION JOINTS: SEVEN (7) DAYS WET CURE, OR TEN (10) DAYS DRY CURE.
- (b) CONTROL JOINTS: FOUR (4) DAYS.
- (c) EXPANSION JOINTS: ONE (1) DAY.
- iii LIQUID RETAINING STRUCTURES:
- (a) CONSTRUCTION JOINTS: TEN (10) DAYS WET CURE, OR FOURTEEN (14) DAYS DRY CURE.
- (b) CONTROL JOINTS: SIX (6) DAYS.
- G. HORIZONTAL JOINTS IN REINFORCED CONCRETE WALLS:
- i PROVIDE A LAYER OF SLURRY CONCRETE IN THE BOTTOM OF ALL HORIZONTAL WALL JOINTS, 1-INCH MINIMUM TO 2-INCH MAXIMUM THICKNESS. THOROUGHLY VIBRATE TO MIX CONCRETE & SLURRY TOGETHER.
- H. HORIZONTAL CONSTRUCTION JOINTS CONTAINING WATER-STOP
- i UNLESS OTHERWISE SPECIFICALLY DIRECTED, IN ALL HORIZONTAL CONSTRUCTION JOINTS IN NEW CONCRETE CONSTRUCTION CONTAINING WATER-STOPS, PROVIDE AN INITIAL LAYER OF SLURRY MIX TO AID IN CONSOLIDATION OF FRESHLY PLACED CONCRETE AT THE JOINT INTERFACE.
- ii SLURRY MIX SHALL BE A MIXTURE OF 3/8-INCH MAXIMUM AGGREGATE, SAND, CEMENT AND WATER.
- iii PLACE SLURRY MIX 2-INCH MINIMUM TO 4-INCH MAXIMUM IN THICKNESS.
- IV PLACE WITH BUCKETS OR OTHER MEANS PERMITTING VISUAL VERIFICATION THAT ONLY ENOUGH SLURRY MIX IS DEPOSITED IN THE VICINITY OF THE CONCRETE POUR TO MEET THE THICKNESS REQUIREMENTS
- v PLACE CONCRETE OVER SLURRY MIX WHILE SLURRY MIX IS STILL FLOWABLE.
- vi LIMIT INITIAL CONCRETE PLACEMENT ON TOP OF SLURRY MIX TO 12-INCHES IN THICKNESS. THOROUGHLY VIBRATE AND CONSOLIDATE CONCRETE AND SLURRY MIX TOGETHER.
- vii CONCRETE CURING. CONCRETE SHALL BE MAINTAINED ABOVE 50-DEGREES F AND IN A MOIST CONDITION FOR AT LEAST 7 DAYS AFTER PLACEMENT, EXCEPT WHEN CURED IN ACCORDANCE WITH ACI 308 GUIDE TO EXTERNAL CURING OF CONCRETE.
- I. COLD WEATHER REQUIREMENTS. ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING FREEZING OR NEAR-FREEZING WEATHER. THE RECOMMENDED PROCEDURES LISTED IN ACI 306; COLD WEATHER CONCRETING SHALL BE FOLLOWED.
- i COLD WEATHER IS DEFINED AS A PERIOD WHEN, FOR MORE THAN 3 CONSECUTIVE DAYS, THE FOLLOWING CONDITIONS EXIST:
- (a) THE AVERAGE DAILY AIR TEMPERATURE IS LESS THAN 40-DEGREES F AND
- (b) THE AIR TEMPERATURE IS NOT GREATER THAN 50-DEGREES F FOR MORE THAN ONE-HALF OF ANY 24-HOUR PERIOD.
- J. HOT WEATHER REQUIREMENTS. DURING HOT WEATHER, PROPER ATTENTION SHALL BE GIVEN TO INGREDIENTS, PRODUCTION METHODS, HANDLING, PLACING, PROTECTION, AND CURING TO PREVENT EXCESSIVE CONCRETE TEMPERATURES OR WATER EVAPORATION THAT COULD IMPAIR REQUIRED STRENGTH OR SERVICEABILITY OF THE MEMBER OR STRUCTURE. THE RECOMMENDED PROCEDURES LISTED IN ACI 305; HOT WEATHER CONCRETING SHALL BE FOLLOWED.
- i HOT WEATHER IS ANY COMBINATION OF THE FOLLOWING CONDITIONS THAT TENDS TO IMPAIR THE QUALITY OF FRESHLY MIXED OR HARDENED CONCRETE BY ACCELERATING THE RATE OF MOISTURE LOSS AND RATE OF CEMENT HYDRATION, OR OTHERWISE
- CAUSING DETRIMENTAL RESULTS: (a) HIGH AMBIENT TEMPERATURE.
- (b) HIGH CONCRETE TEMPERATURE. (c) LOW RELATIVE HUMIDITY.
- (d) WIND SPEED.
- (e) SOLAR RADIATION.

DETAILS OF REINFORCEMENT

- A. PLACEMENT OF ALL REINFORCING STEEL WITHIN CONCRETE STRUCTURES SHALL BE IN CONFORMANCE WITH ACI 318/350.
- REINFORCING STEEL HOOKS, BENDS, TIES, SPLICES AND OTHER REINFORCEMENT DETAILS SHALL BE IN ACCORDANCE WITH ACI 315, GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS.
- C. SPACING LIMITS FOR REINFORCEMENT SHALL BE IN CONFORMANCE WITH ACI 318/350.
- D. CONCRETE PROTECTION FOR REINFORCEMENT. UNLESS NOTED ELSEWHERE ON THE
 - DRAWINGS, ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER:
 - (a) CONCRETE CAST AGAINST EARTH: 3.00 INCH

i FOR LIQUID CONTAINING CONCRETE STRUCTURES; PER ACI 350:

- (b) CONCRETE EXPOSED TO EARTH, LIQUID OR WEATHER SLABS AND JOINTS: 2.00-INCH
- WALLS: 2.00-INCH
- (a) BEAMS AND COLUMNS:
- TIES, STIRRUPS, OR SPIRALS: 2.00-INCH
- PRIMARY REINFORCEMENT: 2.50-INCH
- (a) FOOTINGS AND BASE SLABS:
- FORMED SURFACES: 2.00-INCH
- TOP OF FOOTINGS AND BASE SLABS: 2.00-INCH
- E. CONCRETE BLOCKS OR PLASTIC-COATED BAR CHAIRS SHALL BE PROVIDED FOR SUPPORT OF ALL SLAB REINFORCING STEEL. SUFFICIENT IN NUMBER TO PREVENT SETTLEMENT OR SAGGING, BUT IN NO CASE SHALL SUCH SUPPORT BE CONTINUOUS. METAL CLIPS OR SUPPORTS SHALL NOT BE PLACED IN CONTACT WITH THE FORMS OR THE SUB-GRADE.
- F. DOWELS AND ANCHOR BOLTS SHALL BE WIRED OR OTHERWISE HELD IN CORRECT POSITION PRIOR TO PLACING CONCRETE. CARE SHALL BE TAKEN TO ENSURE THAT DOWELS AND ANCHOR BOLTS REMAIN PLUM AFTER CONCRETE IS POURED AND VIBRATED. IN NO CASE SHALL DOWELS OR ANCHOR BOLTS BE STABBED INTO FRESHLY POURED
- G. PROVIDE DOWELS IN FOOTINGS AND AT CONSTRUCTION JOINTS TO MATCH VERTICAL

REINFORCING BAR SIZE AND SPACING, UNLESS OTHERWISE NOTED ON THE DRAWINGS

- H. COORDINATE PLACEMENT OF DOWELS INTO MASONRY OR BRICK WALLS WITH THE MASONRY SHOP DRAWINGS.
- I. WHERE DRILLED IN ANCHORS ARE TO BE POST-INSTALLED INTO CONCRETE SURFACES TAKE CARE TO LOCATE REINFORCING STEEL SO THAT IT WILL NOT INTERFERE WITH THE DRILLING OPERATIONS. MOVE BARS PLUS OR MINUS 1 TO 2 INCHES IN ORDER TO AVOID DRILLING CONFLICTS.
- J. ALL BAR BENDS, HOOKS, SPLICES AND OTHER REINFORCING STEEL DETAILS SHALL CONFORM TO THE REQUIREMENTS OF ACI 315.
- K. UNLESS OTHERWISE NOTED ON THE PLANS ALL BARS SHALL BE SPLICED WITH A MINIMUM CLASS B LAP SPLICE; LAP SPLICES OF DEFORMED BARS AND DEFORMED WIRE IN COMPRESSION ZONES MAY BE CLASS A SPLICES.
- L. AT ALL CORNERS AND WALL INTERSECTIONS PROVIDE BENT BARS TO MATCH THE HORIZONTAL REINFORCING STEEL AND IN ACCORDANCE WITH THE TYPICAL CORNER REINFORCING DETAILS.
- M. CHAMFER ALL EXPOSED CORNERS AND FILLET ENTRANT ANGLES 3/4" UNLESS OTHERWISE
- N. WATERSTOP. ALL CONTROL AND CONSTRUCTION JOINTS IN LIQUID-RETAINING STRUCTURES SHALL BE DOWELED, KEYED AND PROVIDED WITH CONTINUOUS WATERSTOP. PER THE TYPICAL DETAILS, TECHNICAL SPECIFICATIONS OR AS DIRECTED BY THE PROJECT
- O. AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF (4) #5 BARS: OVER, UNDER AND AT EITHER SIDE OF THE OPENINGS. EXTEND THESE BARS A MINIMUM OF 24" PAST THE OPENING EDGE. PROVIDE (1) MATT OF (4) #5 BARS FOR WALLS OR SLABS WITH SINGLE-LAYER REINFORCING AND (2) MATTS OF (4) #5 BARS FOR DOUBLE-LAYER REINFORCING WALLS OR SLABS. PROVIDE #4, 4'-0" LONG DIAGONAL BARS AT EACH RE-ENTRANT CORNER IN SLABS; (1) BAR FOR SLABS WITH SINGLE LAYER REINFORCING AND (2) BARS FOR SLABS WITH DOUBLE LAYER REINFORCING.



CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



J-U-B ENGINEERS, INC

 \mathbf{B}

BID SET



O \propto SIGN AND F 品系 ACH F F PAI M D <u>م</u> ک NORTI RTME

FILE: 57-24-031 G-002 IDPR PROJ. #: 350341

JUB PROJ. #: 57-24-031

0

CHECKED BY: QVD ONE INCH AT FULL SIZE, IF NOT ONE

RAWNG/DESIGN BY: DAN

SHEET NUMBER:

G-003

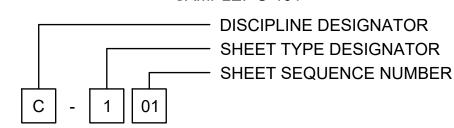
LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICA	ATIONS	
OVERHEAD POWER	OHP	OHP
UNDERGROUND POWER	UP	— — — UP — — —
OVERHEAD TELEPHONE	OHT	OHT
UNDERGROUND TELEPHONE	UT	— — — UT — — —
FIBER OPTIC	——F/0——	F/O
CABLE TELEVISION	стv	CTV
UNDERGROUND POWER, TEL, CABLE TV		- — — - P,T,CTV - — — -
UNDERGROUND POWER, TEL, CABLE TV, GAS		——— P,T,CTV,G ———
STORM DRAIN		
STORM DRAIN (GENERAL)	SD	— — — SD — — —
STORM DRAIN	——————————————————————————————————————	X"SD
ROOF DRAIN	RD	— — — RD — — —
LAND DRAIN	———LD———	LD
SANITARY SEWER		
SANITARY SEWER (GENERAL)	ss	ss
SANITARY SEWER	X " SS	X"ss
SANITARY SEWER SERVICE	—ss——ss—	SS SS
SEWER FORCE MAIN	FM	— — — FM — — —
WATER		
WATER (GENERAL)	——— w ———	w
WATER (SPECIFIED SIZE)	X*W	x"w
WATER SERVICE	wsws	ws ws
IRRIGATION		
IRRIGATION	——————————————————————————————————————	IRR
GRAVITY IRRIGATION	GIRR	— — — GIRR — — —
PRESSURE IRRIGATION	PIRR	— — — PIRR — — —
POTABLE WATER	PW	
NON-POTABLE WATER	NPW	NPW
GAS		
NATURAL GAS	G	G
NATURAL GAS SERVICE	— с — с —	G G
HIGH PRESSURE GAS	HPG	— — — HPG — — —
LIQUID GAS	LG	LG
UTILITY		
CHLORINE LINE	——————————————————————————————————————	CHL
INDUSTRIAL WASTE WATER	IWW	
DRAIN LINE	—— DL ——	DL

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	P/L	——— P/L ———
PROPERTY LINE		
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	——— т/е ———
PERMANENT EASEMENT	———P/E———	———— P/E ————
TOWNSHIP AND RANGE		
SECTION LINE		
QUARTER SECTION LINE		
1/16 SECTION LINE		
STATE LINE		
COUNTY LINE		
SITE		
FENCE MAJOR CONTOUR	x 2521	X
MINOR CONTOUR	2521	
GRADE BREAK		GB
TOP OF BANK		
TOE OF SLOPE		TOE
CUT LIMITS		TOE
CUT LIMITS CUT LIMITS	CUT	
FILL LIMITS		
FILL LIMITS		
DITCH		
STORM SWALE		
EDGE OF WATER		
HIGH WATER		
WETLAND		WET
WETLAND BOG		———— BOG ————
WETLAND MARSH		MRSH
WETLAND SWAMP		SWMP
ROADWAY		
ROAD SHOULDER ROAD CENTERLINE		
ROAD CENTERLINE ROAD ASPHALT		
ROAD ASPHALT	EG	EG
TOP BACK OF CURB		
LIP OF GUTTER		
LIP OF GUTTER LANDSCAPING LIMITS	LS	

SHEET NUMBERING

SAMPLE: C-101



DISCIPLINE DESIGNATORS				
DISCIPLINE	DESIGNATOR	DESCRIPTION		
	G	ALL GENERAL		
GENERAL	GI	GENERAL INFORMATION		
GENERAL	GC	GENERAL CONTRACTUAL		
	GR	GENERAL RESOURCE		
SURVEY/MAPPING	V	ALL SURVEY		
GEOTECHNICAL	В	ALL GEOTECHNICAL		
CIVIL	С	ALL CIVIL		
LANDSCAPE	L	ALL LANDSCAPE		
STRUCTURAL	S	ALL STRUCTURAL		
ARCHITECTURAL	А	ALL ARCHITECTURE		
EQUIPMENT	Q	ALL EQUIPMENT		
MECHANICAL	М	ALL MECHANICAL		
ELECTRICAL	Е	ALL ELECTRICAL		
PLUMBING	Р	ALL PLUMBING		
PROCESS	D	ALL PROCESS		
RESOURCE	R	ALL RESOURCE		

	SHEET TYPE DESIGNATORS		
DESIGNATOR	SHEET TYPE		
0	0 GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)		
1 PLANS (HORIZONTAL VIEWS)			
2 ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES			
3	SECTIONS (SECTIONAL VIEWS)		
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)		
5	DETAILS OR COMBINED DETAILS AND SECTIONS		
6 SCHEDULES AND DIAGRAMS			
7	USER DEFINED		
8 USER DEFINED			
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS)		

SECTION AND DETAIL IDENTIFIERS

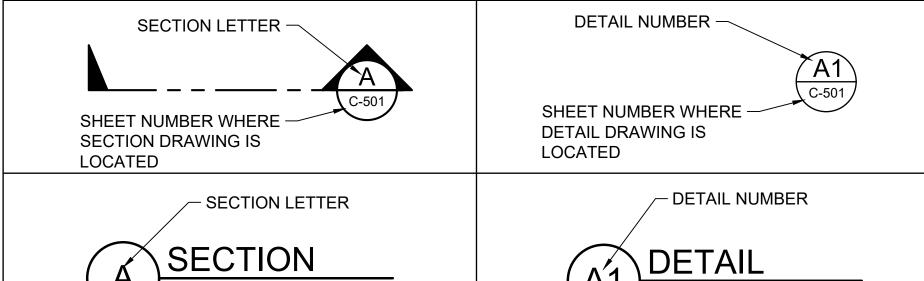
NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.

SECTION IDENTIFICATION

CALLOUT

LABEL

DETAIL IDENTIFICATION



J-U-B ENGINEERS, INC.

BID SET



			!	_
	7	J-U-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND	RIGHT AND	
VEDEOIGN VEDEOIGN	OTH	OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME	SAME	
_	SHA	SHALL NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT.	CONSENT.	
	AN≺	ANY REUSE WITHOUT WRITTEN CONSENT BY J-U-B WILL BE AT CLIENT'S	: AT CLIENT'S	
_	SOL	SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-U-B.	-0 J-U-B.	
		REVISION		
OFTAII KFY				
	2	I CITCIECOLO	L	

NORTH BEACH R DEPARTMENT OF PAR

IDAHO FILE: 57-24-031_G-004 IDPR PROJ. #: 350341 JUB PROJ. #: 57-24-031 DRAWN/DESIGN BY: DAN CHECKED BY: QVD

ONE INCH

AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY

LAST UPDATED: 9/26/2025

SHEET NUMBER:

G-004

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)	\oplus	
CAP (BRASS)	•	
CHISELED X		
CTRL PT GENERIC	\triangle	
CTRL PT ½" REBAR	△1/2" PIN CONTROL PT	
CTRL PT %" REBAR	△ 5/8" PIN CONTROL PT	
CTRL PT 60D NAIL	△ 60D	
CTRL PT HUB & TACK	А нт	
CTRL PT PK NAIL	Å PK	
CTRL PT TEMP BENCH MARK	<u></u> ТВМ	
NAIL		•
NAIL AND TAG	© ^{N/T}	
NAIL (PK)	© ^{PK}	
BOLT	•	
DRILL STEEL	\Diamond	
REBAR (½")	0	•
REBAR (%")	0	•
STAINLESS STEEL ROD		
IRON PIPE	©	
RAILROAD SPIKE	\Diamond	
R/W MONUMENT	0	
STONE	\bigoplus	
SECTION CORNER. MON.	22 15	
SECTION QUARTER MON.	15 22	
SITE	T	Г
BOLLARD	図	▣
BOULDER		
DRINKING FOUNTAIN	DF	DF
FLAGPOLE	(F)	©
GATE		
MAIL BOX	M	M
PARKING METER	<u>PM</u>	<u>PM</u>
POST	0	•
SIGN	- o -	•
SPOT ELEVATION		×
TREE (SHRUB)		
TREE (STUMP)	<u></u>	
TREE (CONIFEROUS)	EMZ EMZ	
TREE (DECIDUOUS)		
TEST HOLE	(TH)	
WELL	Ŵ	ŵ
WELL (MONITORING)	M	M

CVMPOL	EVICTING	DDODOSED
SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES	1	1
MANHOLE (GENERIC)		•
PRESSURE CLEAN OUT AT GRADE	PCG	PCG
THRUST BLOCK		•
VAULT	V	V
COMMUNICATION	_	
TELE. MANHOLE	T	•
TELE. PEDESTAL		◐
TELE. POLE		-
TV PEDESTAL	TV	₩
GUY WIRE		\uparrow
DOMESTIC WATER		
FIRE HYDRANT	Q	A
SPIGOT	€	€
YARD HYDRANT	P	•
WATER MANHOLE	W	•
WATER METER	⊞	•
WATER VALVE	W	W
ELECTRIC		1
ELEC. MANHOLE	E	•
ELEC. METER	E H	E E
ELEC. TRANS.	E	E
JUNCTION BOX	J	J
POWER POLE	-	-
POWER STUB	(E)	(E)
STREET LIGHT		*
TRAFFIC SIGNAL POLE		·
IRRIGATION		<u> </u>
IRRIGATION VALVE	IRR	IRR
IRRIGATION VALVE BOX		
SPRINKLER	lacksquare	A
NATURAL GAS		
GAS METER	G	G
	H G ⊠	G
SANITARY SEWER		<u> </u>
CLEANOUT		•
SEWER STUB	\$\\\\$\\\\$\\\\$\\\\\$\\\\\\\\\\\\\\\\\\\\	S
SS MANHOLE STORM DRAIN	S	
STORM DRAIN		
CATCH BASIN		
DRY WELL	(DW)	
FLARE END		
GREASE TRAP		
SD MANHOLE	D	

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
FITTINGS	OTMBOL	OTIVIBUL
BEND (11.25°)		I
BEND (22.5°)		\rightarrow
BEND (45°)		Ţ
BEND (90°)		4
CAP		E
COUPLING	#	#
CROSS	+	+
REDUCER (CONCENTRIC)		M
REDUCER (ECCENTRIC)		
TEE	H	ㅗ
TRUE UNION	=	=
WYE		
VALVES		
AIR VALVE	Á	A
BLOW OFF	B	A
COMBO VALVE		
BALL VALVE (N.C.)]	1
BALL VALVE (N.O.)	19[1 <u>0</u> 1
BUTTERFLY VALVE		N
CHECK VALVE		И
CHECK VALVE (FLANGE)		N
CHECK VALVE (MJ)		
GATE VALVE		\bowtie
PLUG VALVE (N.C.)		×
PLUG VALVE (N.O.)		×
ROAD MARKINGS	Ι α	
TURN ARROW		
ARROW STRAIGHT		†
ARROW STRAIGHT/TURN		4
BICYCLE ROUTE		%
CAR		
HANDICAP SYMBOL	E	E
ROADWAY		
INTERSTATE ROUTE	25	
MAST ARM		
PEDESTRIAN SIGNAL		
STATE ROUTE	14	

TRAFFIC LIGHT

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
ROADWAY (CONT.)		
TYPE 2 BARRICADE	• •	
US ROUTE	287	
TRAFFIC ATTENUATOR		
JERSEY BARRIER		

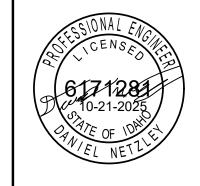
	ABBREVIATIONS				
ASSY	ASSEMBLY				
>	ANGLE				
@	AT (MEASUREMENTS				
BLDG	BUILDING				
BM	BENCH MARK				
BSC	BITUMINOUS SURFACE COURSI				
BSW	BACK OF SIDEWAL				
BW	BOTH WAYS				
С	CHANNEL (STRUCTURAL				
C/L	CENTER LINI				
CMP	CORRUGATED METAL PIPI				
CO	CLEANOU [*]				
CONC	CONCRETI				
CONT	CONTINUOUS				
CPLG	COUPLING				
CU FT	CUBIC FEE				
CU YD	CUBIC YARI				
DEG OR °	DEGRE				
DET	DETAI				
DIA OR Ø	DIAMETER				
DIP	DUCTILE IRON PIPI				
DIST	DISTRIBUTION				
DWG	DRAWING				
EA	EACI				
ELB	ELBOV				
ELEV	ELEVATION				
EW	EACH WAY				
EXIST	EXISTING				
FG	FINISH GRADI				
FH	FIRE HYDRAN				
FLG	FLANG				
FT OR '	FEE				
GV	GATE VALV				
HORIZ	HORIZONTA				
	INSIDE DIAMETER				
ID IN OR "	INCIDE DIAMETER				
	POUNI				
LB OR #					
LF	LINEAL FEET				
LN	LINEA				
MAX	MAXIMUN				
MIN NO OR #	MINIMUN				
NO OR #	NUMBER				
PE	POLYETHYLENI				
PL	PLATI				
PL	PROPERTY LINI				
PVC	POLYVINYL-CHLORIDI				
R	RADIUS				
RP	RADIUS POIN				
R&R	REMOVE & REPLACI				
REM	REMOVI				
REQ'D	REQUIRE				
REV	REVISIO				
R/W	RIGHT-OF-WA				

ABBREVIATIONS				
ASSY	ASSEMBLY			
S	SLOPE			
SPEC	SPECIFICATION			
STA	STATIO			
STD	STANDARI			
STL	STEE			
ST STL	STAINLESS STEE			
TBC	TOP BACK OF CURI			
TYP	TYPICA			
TFC	TOP FACE OF CONCRETI			
W/	WITI			
W/O	WITHOU'			
W/REQ'D	WHERE REQUIIRE			



-B ENGINEERS, INC 047 South 100 West Suite 180 Logan, UT 84321

BID SET



	SYMBOLLEGENDS AND ABBREVIATIONS
REVIS	
SHALL NOT BE REUSED WITHOUT J-L ANY REUSE WITHOUT WRITTEN CON SOLE RISK AND WITHOUT LIABILITY C	IDAHO DEPARTMENT OF PARKS AND RECREATION
OTHER RESERVED RIGHTS OF THESE	NOKIH BEACH KEDEVIGN
J-U-B SHALL RETAIN ALL COMMON LA	

FILE: 57-24-031_G-005 IDPR PROJ. #: 350341 JUB PROJ. #: 57-24-031 DRAWN/DESIGN BY: DAN

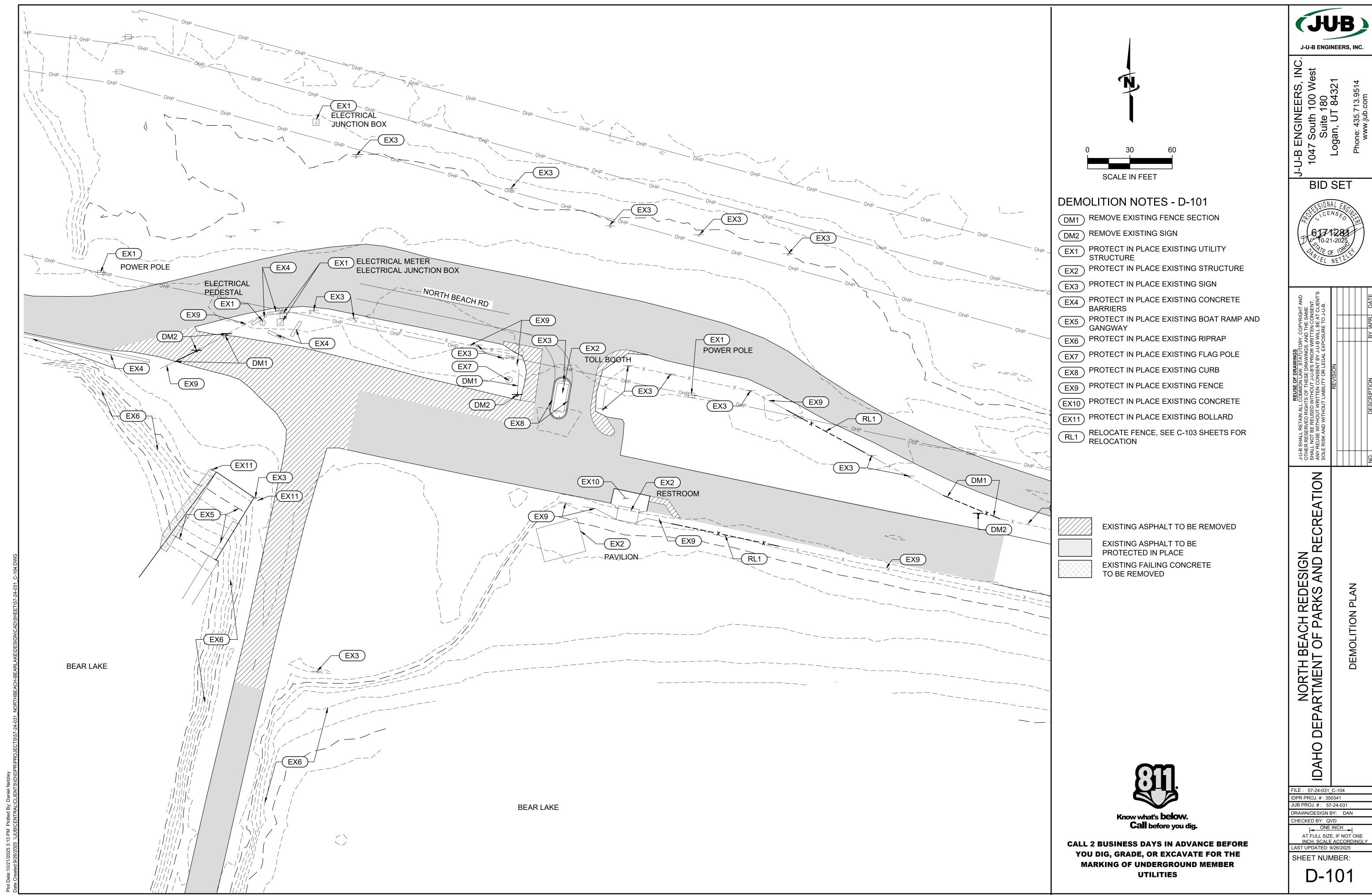
CHECKED BY: QVD

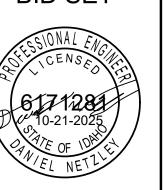
ONE INCH
AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY

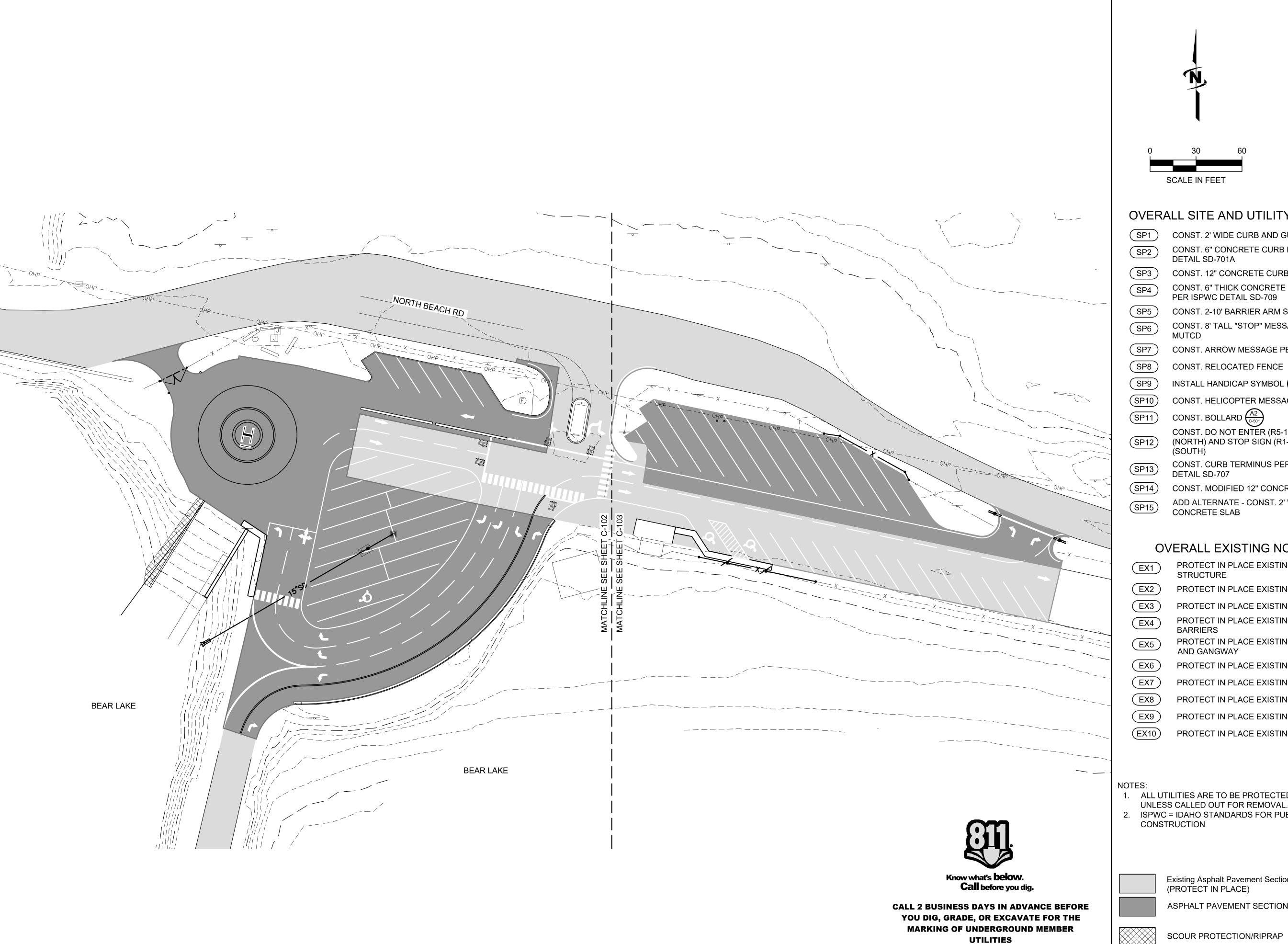
LAST UPDATED: 9/26/2025

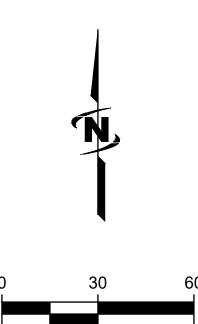
G-005

SHEET NUMBER:









OVERALL SITE AND UTILITY NOTES

CONST. 2' WIDE CURB AND GUTTER (A3)

CONST. 6" CONCRETE CURB PER ISPWC DETAIL SD-701A

CONST. 12" CONCRETE CURB (C-501)
CONST. 6" THICK CONCRETE SIDEWALK
PER ISPWC DETAIL SD-709 CONST. 2-10' BARRIER ARM SWING GATE (B1)

CONST. 8' TALL "STOP" MESSAGE PER MUTCD

CONST. ARROW MESSAGE PER MUTCD

CONST. RELOCATED FENCE

INSTALL HANDICAP SYMBOL (A1)

CONST. HELICOPTER MESSAGE C1

CONST. BOLLARD (A2)

CONST. DO NOT ENTER (R5-1) 30"X30" (NORTH) AND STOP SIGN (R1-1) 30"X30"

CONST. CURB TERMINUS PER ISPWC DETAIL SD-707

CONST. MODIFIED 12" CONCRETE CURB

ADD ALTERNATE - CONST. 2' WIDE CONCRETE SLAB

OVERALL EXISTING NOTES

PROTECT IN PLACE EXISTING UTILITY

STRUCTURE

PROTECT IN PLACE EXISTING STRUCTURE

PROTECT IN PLACE EXISTING SIGN

PROTECT IN PLACE EXISTING CONCRETE **BARRIERS**

PROTECT IN PLACE EXISTING BOAT RAMP AND GANGWAY

PROTECT IN PLACE EXISTING RIPRAP

PROTECT IN PLACE EXISTING FLAG POLE

PROTECT IN PLACE EXISTING CURB

PROTECT IN PLACE EXISTING FENCE

PROTECT IN PLACE EXISTING BOLLARD

- 1. ALL UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS CALLED OUT FOR REMOVAL.
- 2. ISPWC = IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION

Existing Asphalt Pavement Section (PROTECT IN PLACE)

ASPHALT PAVEMENT SECTION

SHEET NUMBER: C-101

IDAHO

FILE: 57-24-031 C-101X IDPR PROJ. #: 350341 JUB PROJ. #: 57-24-031 RAWN/DESIGN BY: DAN

CHECKED BY: QVD

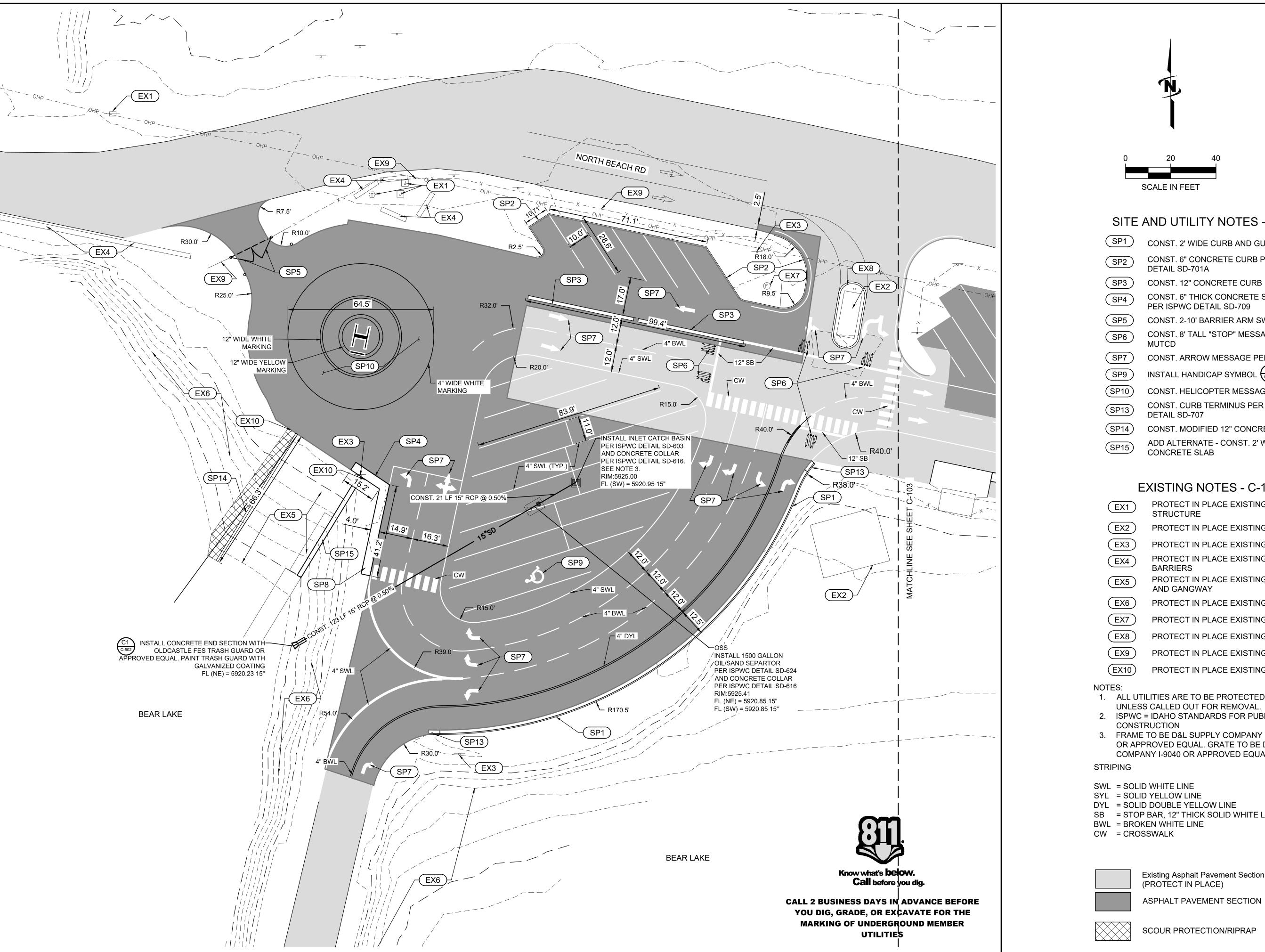
AT FULL SIZE, IF NOT ONE

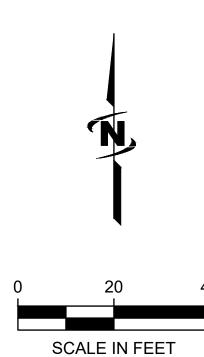
NORTH BEACH REDESIGN DEPARTMENT OF PARKS AND RECREATION

(JUB)

J-U-B ENGINEERS, INC

BID SET





SITE AND UTILITY NOTES - C-102

CONST. 2' WIDE CURB AND GUTTER $\begin{pmatrix} A3 \\ C-502 \end{pmatrix}$

CONST. 6" CONCRETE CURB PER ISPWC DETAIL SD-701A

CONST. 12" CONCRETE CURB (A4)

CONST. 6" THICK CONCRETE SIDEWALK PER ISPWC DETAIL SD-709 CONST. 2-10' BARRIER ARM SWING GATE (B1)

CONST. 8' TALL "STOP" MESSAGE PER MUTCD

CONST. ARROW MESSAGE PER MUTCD

INSTALL HANDICAP SYMBOL $\frac{A1}{C-501}$

CONST. HELICOPTER MESSAGE (C1) CONST. CURB TERMINUS PER ISPWC DETAIL SD-707

CONST. MODIFIED 12" CONCRETE CURB (B1)

ADD ALTERNATE - CONST. 2' WIDE CONCRETE SLAB CONCRETE SLAB

EXISTING NOTES - C-102

PROTECT IN PLACE EXISTING UTILITY **STRUCTURE**

PROTECT IN PLACE EXISTING STRUCTURE

PROTECT IN PLACE EXISTING SIGN

PROTECT IN PLACE EXISTING CONCRETE

BARRIERS PROTECT IN PLACE EXISTING BOAT RAMP

AND GANGWAY

PROTECT IN PLACE EXISTING RIPRAP

PROTECT IN PLACE EXISTING FLAG POLE

PROTECT IN PLACE EXISTING CURB

PROTECT IN PLACE EXISTING FENCE

PROTECT IN PLACE EXISTING BOLLARD

- ALL UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS CALLED OUT FOR REMOVAL.
- 2. ISPWC = IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION
- 3. FRAME TO BE D&L SUPPLY COMPANY FU-3036-R1 OR APPROVED EQUAL. GRATE TO BE D&L SUPPLY COMPANY I-9040 OR APPROVED EQUAL.

SWL = SOLID WHITE LINE

SYL = SOLID YELLOW LINE

DYL = SOLID DOUBLE YELLOW LINE

SB = STOP BAR, 12" THICK SOLID WHITE LINE

BWL = BROKEN WHITE LINE

CW = CROSSWALK

Existing Asphalt Pavement Section (PROTECT IN PLACE)





SCOUR PROTECTION/RIPRAP



IDPR PROJ. #: 350341 JUB PROJ. #: 57-24-031 RAWN/DESIGN BY: DAN CHECKED BY: QVD AT FULL SIZE, IF NOT ONE SHEET NUMBER:

EATION

CRE

RE

EACH REDESIGN OF PARKS AND I

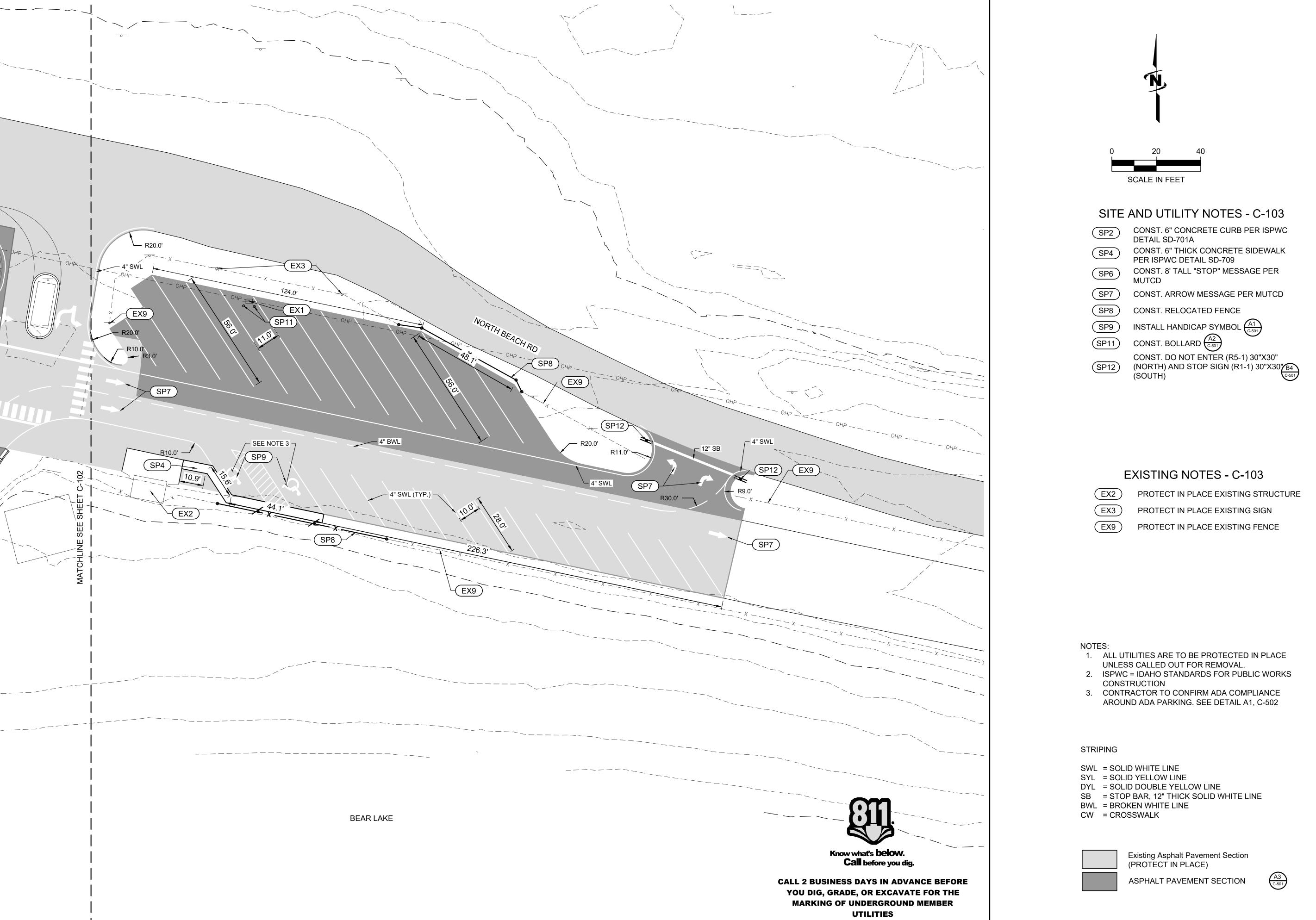
NORTH BE

 $\overline{\Box}$

FILE: 57-24-031 C-101X

J-U-B ENGINEERS, INC

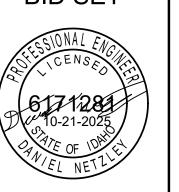
BID SET



(JUB)

J-U-B ENGINEERS, INC

BID SET



·	SHA SHA ANY SOL	LU-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT ANI OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT. ANY REUSE WITHOUT WRITTEN CONSENT BY J-U-B WILL BE AT CLIEN'SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-U-B.	Y, CC NND T NTTE WILL OSUR	PYRIG HE SAI N CON BE AT	HT ANI ME SENT. CLIEN: -U-B.
		REVISION			
	NO.	DESCRIPTION	ВҰ	APR.	BY APR. DAT

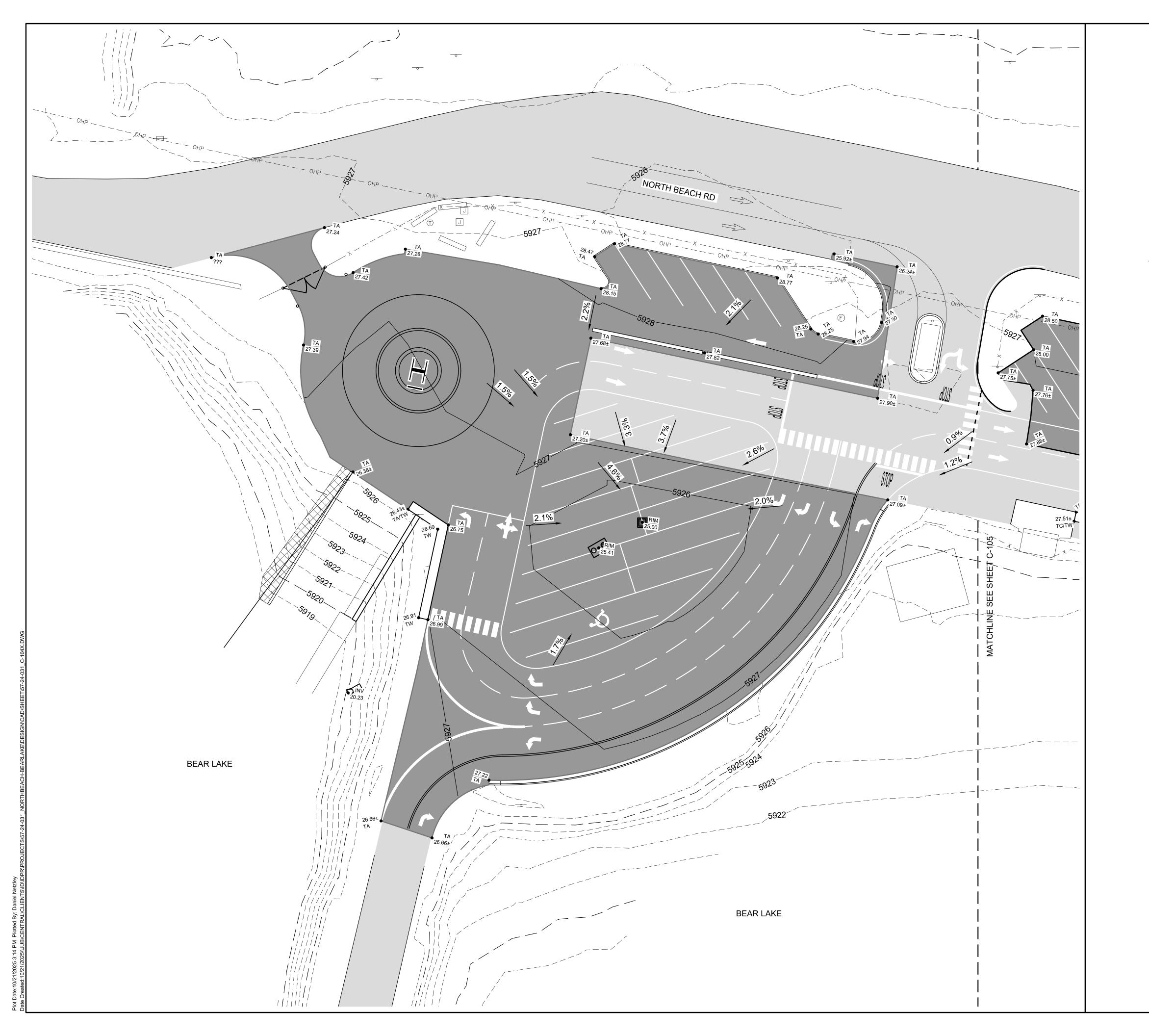
NORTH BEACH REDESIGN DEPARTMENT OF PARKS AND RECREATION

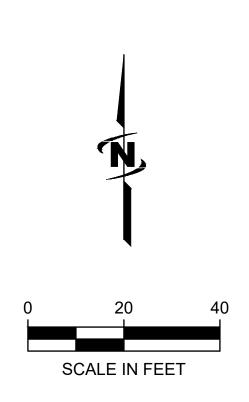
IDAHO FILE: 57-24-031 C-101X IDPR PROJ. #: 350341 JUB PROJ. #: 57-24-031 RAWN/DESIGN BY: DAN CHECKED BY: QVD

ONE INCH

AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGL' LAST UPDATED: 10/21/2025

SHEET NUMBER:





LEGEND

<u>CALLOUT</u>	DESCRIPTION		
<u>X.X%</u>	GRADING SLOPE AND DIRECTION (DOWNHILL)		
TA	TOP OF ASPHALT		
TC	TOP OF CONCRETE		
TW	TOP OF SIDEWALK		
RIM	RIM OF STRUCTURE		
FI	FLOWLINE		

INVERT OF PIPE

EXISTING CONTOUR MINOR (5926.00) EXISTING CONTOUR MAJOR (5925.00)

PROPOSED CONTOUR MINOR (FG) (5926.00) PROPOSED CONTOUR MAJOR (FG) (5925.00)

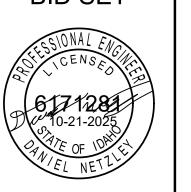
SURVEYED TOP OF WATER

Know what's **below. Call** before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

(JUB)
J-U-B ENGINEERS. INC.

BID SET



	_	_	_	_	_	_		ı
in I AND ME SENT. CLIENT'S -U-B.							BY APR. DATE	
PYKIG THE SAI IN CON BE AT							APR.	
AY, CC AND T RITTE 3 WILL							BY	
J-U-B SHALL KETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT. ANY REUSE WITHOUT WRITTEN CONSENT BY J-U-B WILL BE AT CLIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-U-B.	REVISION						DESCRIPTION	
SH. SA. SO.							NO.	

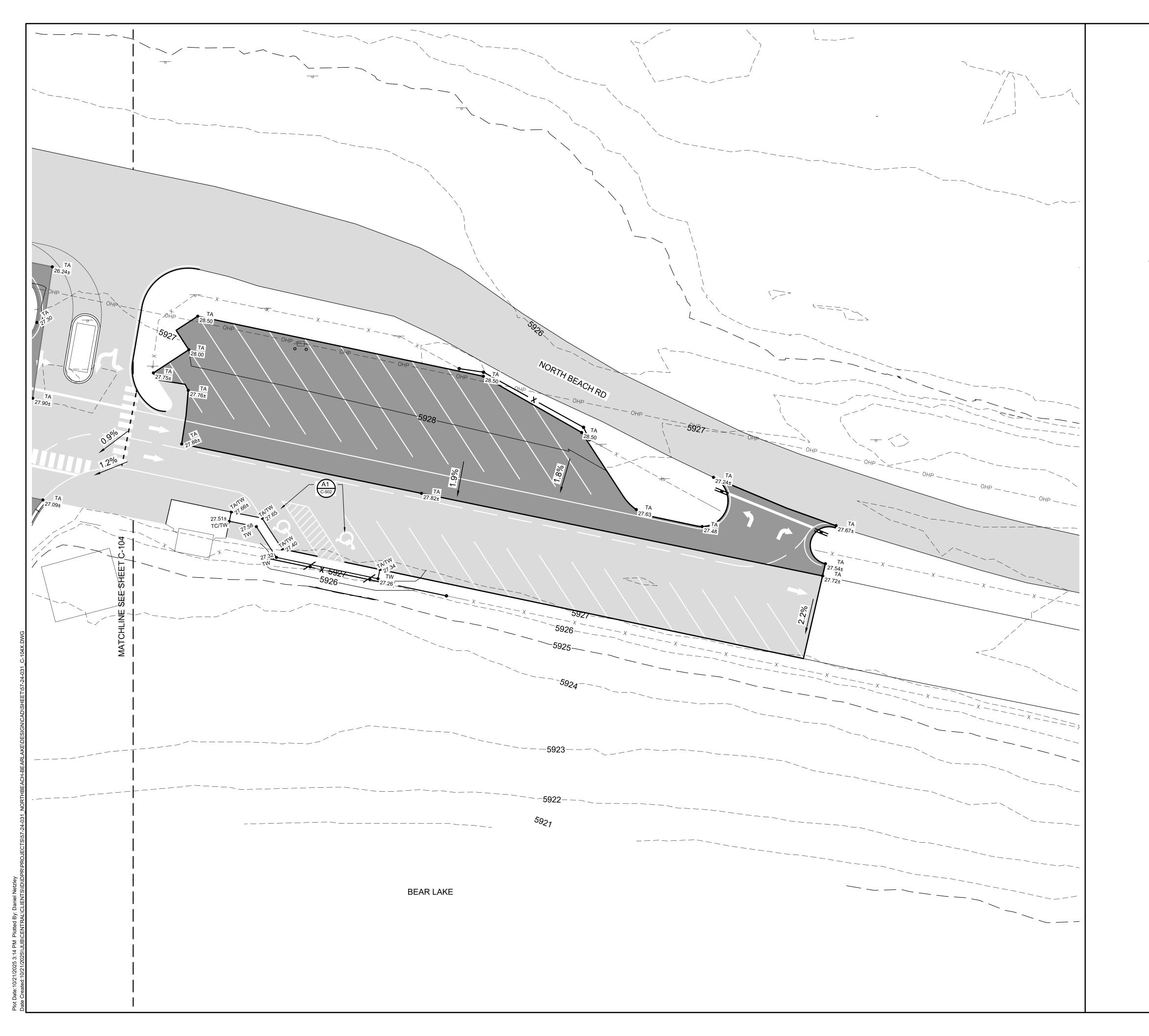
NORTH BEACH REDESIGN DEPARTMENT OF PARKS AND RECREATION

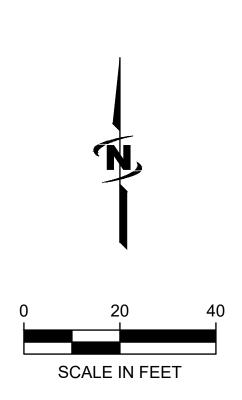
IDAHO

FILE: 57-24-031_C-104X IDPR PROJ. #: 350341 JUB PROJ. #: 57-24-031 DRAWN/DESIGN BY: DAN

CHECKED BY: QVD AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY LAST UPDATED: 10/21/2025

SHEET NUMBER:





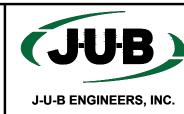
LEGEND

CALLOUT	DESCRIPTION		
<u>X.X%</u>	GRADING SLOPE AND DIRECTION (DOWNHILL)		
TA	TOP OF ASPHALT		
TC	TOP OF CONCRETE		
TW	TOP OF SIDEWALK		
RIM	RIM OF STRUCTURE		
FL	FLOW LINE		
STW	SURVEYED TOP OF WATER		
5926	EXISTING CONTOUR MINOR (5926.0		

EXISTING CONTOUR MAJOR (5925.00)

— PROPOSED CONTOUR MINOR (FG) (5926.00)

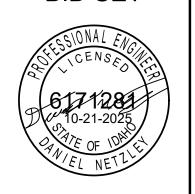
—— PROPOSED CONTOUR MAJOR (FG) (5925.00)



B ENGINEERS, I

047 South 100 Wes Suite 180 Logan, UT 84321

BID SET



RTMENT OF PARKS AND RECREATION	SHAI SHAI ANY SOLE	OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT. ANY REUSE WITHOUT WRITTEN CONSENT BY J-U-B WILL BE AT CLIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-U-B.	IND THE SA	ME SENT. CLIENT'S -U-B.
		REVISION		
FAST GRADING PLAN				
	Š	DESCRIPTION BY	BY APR DATE	DATE

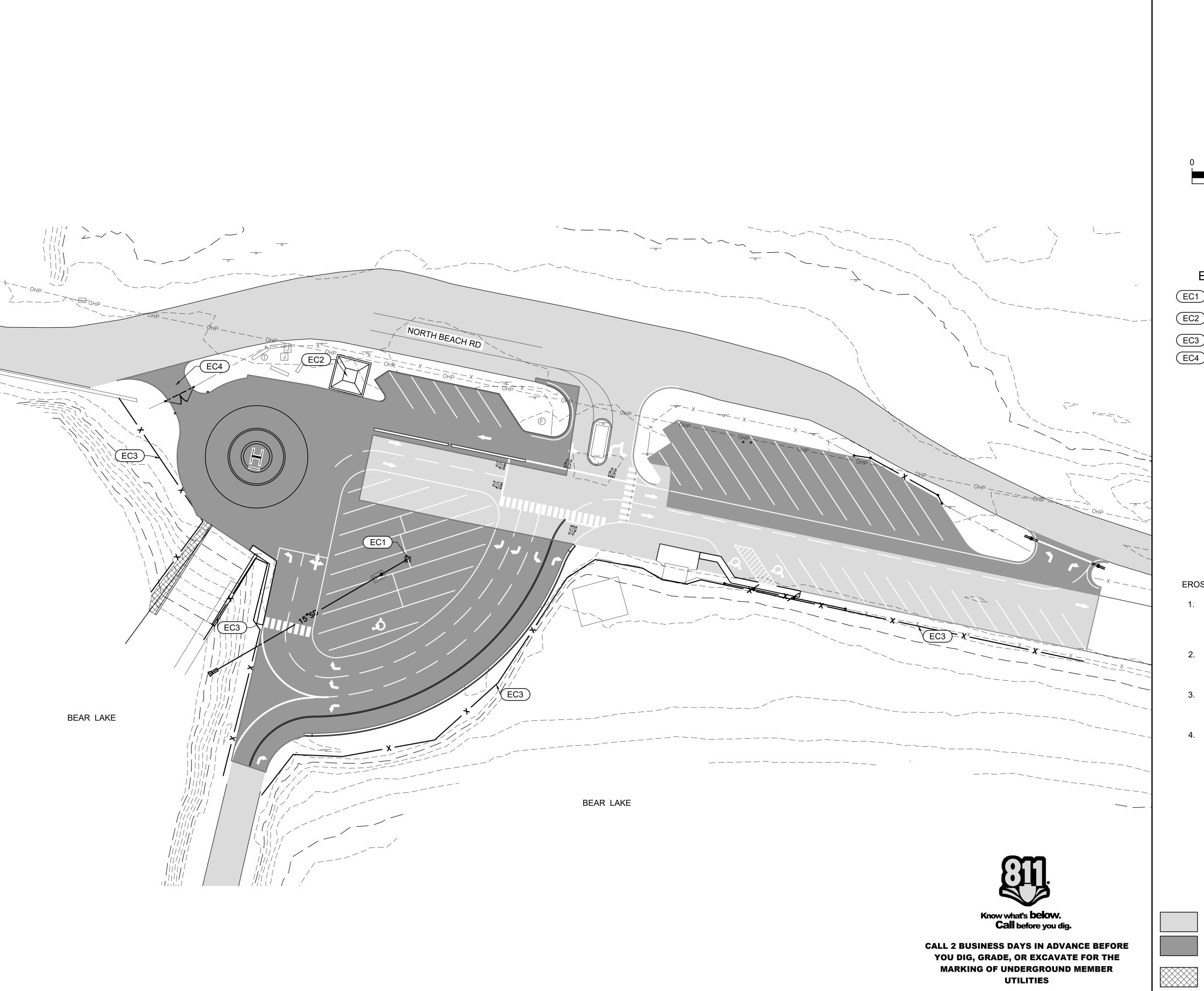
Know what's **below. Call** before you dig.

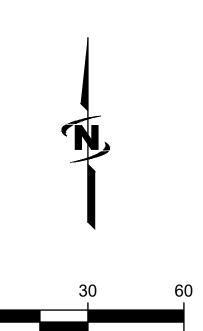
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE
YOU DIG, GRADE, OR EXCAVATE FOR THE
MARKING OF UNDERGROUND MEMBER
UTILITIES

IDAHO	
E: 57-24-031	C-104X
PR PROJ. # : 35	0341
B PROJ. #: 57	'-24-031
RAWN/DESIGN E	BY: DAN
HECKED BY: Q	V D
ONE	INCH -

AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY
LAST UPDATED: 10/21/2025

SHEET NUMBER:





SCALE IN FEET

EROSION CONTROL NOTES

INSTALL INLET PROTECTION, SEE IDAHO BMP 74

INSTALL CONCRETE WASHOUT, SEE IDAHO BMP 49

INSTALL SILT FENCE, SEE IDAHO BMP 65

INSTALL CONSTRUCTION ENTRANCE, SEE IDAHO BMP 40

EROSION CONTROL NOTES:

- 1. CONTRACTOR IS TO READ AND UNDERSTAND ALL BMP PRACTICES PRIOR TO ANY CONSTRUCTION ON THIS SITE. CONTRACTOR IS TO FOLLOW ALL BMP PRACTICES CONTAINED IN THE SWPPP.
- 2. THE SITE IS TO BE WATERED AT LEAST TWICE A WEEK TO CONTROL DUST OR MORE FREQUENT AS DETERMINED BY THE CONTRACTOR.
- 3. CONTRACTOR IS TO REMOVE INLET PROTECTION FROM CATCH BASINS/INLETS AND CLEAN OUT ALL CATCH BASINS/INLETS BEFORE DEMOBILIZING FROM THE SITE.
- IDAHO BMP IDAHO DEQ'S IDAHO CATALOG OF STORM WATER BEST MANAGEMENT **PRACTICES**



Existing Asphalt Pavement Section (PROTECT IN PLACE)

SCOUR PROTECTION/RIPRAP

ASPHALT PAVEMENT SECTION

(A3)
(C-501)



AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY LAST UPDATED: 9/26/2025 SHEET NUMBER:

CHECKED BY: QVD

IDAHO

FILE: 57-24-031 C-106 IDPR PROJ. #: 350341 JUB PROJ. #: 57-24-031 RAWN/DESIGN BY: DAN

NORTH BEACH REDESIGN DEPARTMENT OF PARKS AND RECREATION

J-U-B ENGINEERS, INC.

BID SET

