RECORD OF PUBLIC BID OPENING

REQUISITION # K000180
PROJECT: Metal Sand Shed Clark Fork #1070
Bid Closing Date: 06/07/06 @ 5:00 PM
Bid Open Date: 06/08/06 @ 11:00 AM

STATUS – AWARDED TO RICHARD JORDAN

BIDDER	UNIT	DESCRIPTION	TOTAL AMOUNT BID
RICHARD JORDAN KUNA, IDAHO	1 - EA	Design and Construct a Metal Sand Shed at CLARKFORK	$ 117,884.00

BIDDER	UNIT	DESCRIPTION	TOTAL AMOUNT BID
	1 - EA		$_____

BIDDER	UNIT	DESCRIPTION	TOTAL AMOUNT BID
	1 - EA		$_____

BIDDER	UNIT	DESCRIPTION	TOTAL AMOUNT BID
	1 - EA		$_____

INVITATION TO BID
METAL SAND STORAGE BUILDING
CLARK FORK
REQUISITION # K-000180

Table of Contents

TABLE OF CONTENTS **1**

REQUEST FOR BID **3**

SP-1 METAL SAND STORAGE BLDG **4**

ARCHITECTURAL **5**

SPECIAL PROVISIONS **5**
2.0 SITE WORK 6
3.0 CONCRETE 7
13.0 SPECIAL CONSTRUCTION METAL BLDG 8

SPECIAL PROVISION **14**

IDAHO BUILDING **14**
LIQUIDATED DAMAGES 14
GENERAL 14
GUARANTEE 14
WARRANTIES, GUARANTEES AND INSTRUCTION SHEETS 15
TEMPORARY UTILITIES 15
PERMITS 15
CLEANING UP BUILDING 15
PROTECTION 15
CODES 15
PRIOR APPROVAL 15
SUBMITTALS 16
AS-BUILT DRAWINGS 16
OPERATION, MAINTENANCE INSTRUCTIONS AND MANUALS 17
WORK NOT NOTED, DETAILED OR SPECIFIED (Revised 9/29/03) 17
DIMENSIONS AND MEASUREMENTS 17
PERFORMANCE 17
BID SCHEDULE 17
COORDINATION AND CONTROL 18
SUPERINTENDENT 18
SPECIAL PROVISION ITEMS - MEASUREMENT AND PAYMENT (SP-1) 18
OWNERS USE OF BUILDING (Addition 12/1/03) 18

II. PROPOSAL GUIDELINES **19**

1. PRE-PROPOSAL CONFERENCE **19**
2. PERFORMANCE **19**
3. BIDDING REQUIREMENTS AND CONDITIONS **19**
4. IRREGULAR PROPOSALS **19**
5. PROPOSAL GUARANTY / SURETY BOND REQUIREMENTS **20**
6. DISQUALIFICATION OF BIDDERS **20**
7. CONSIDERATION OF PROPOSALS **21**
8. EXECUTION / AWARD OF THE CONTRACT **21**
9. FAILURE TO EXECUTE CONTRACT **21**
10. RETURN OF PROPOSAL GUARANTY **21**

III. TERMS AND CONDITIONS 22

1. CONTRACT TERM 22
2. PAYMENT REQUIREMENTS 22
3. CHANGES 22
4. CLAIMS FOR ADJUSTMENT AND DISPUTES 22
5. COMPLIANCE 22
6. TERMINATION FOR DEFAULT 23
7. TERMINATION FOR CONVENIENCE 23
8. INDEMNIFICATION 23
9. INSURANCE REQUIREMENTS 23

10. TITLE VI ASSURANCES 25

11. LABOR PROVISIONS 27

ATTACHMENTS/FORMS/EXHIBITS

MATERIALS PHASE IV REPORT
PLAN SHEETS
FAX BACK
BID SCHEDULE
SIGNATURE PAGE
BID PROPOSAL
DOMICILE
SUBCONTRACTOR CERTIFICATION
CONTRACTORS AFFIDAVIT
BIDDER'S RESPONSIBILITY PAGE
PLAN HOLDERS LIST

IDAHO TRANSPORTATION DEPARTMENT
REQUEST FOR BID

May 22, 2006

Idaho Transportation Department
Supply Services Purchasing Section
3311 West State Street
Boise, Idaho 83703

REQUISITION #: K-000180

ALL <u>sealed bids must</u> be received by 5:00 pm on June 7, 2006. Sealed bids will be opened at 11:00 AM on June 8, 2006 at Supply Services, Purchasing Office, at 3311 West State Street in Boise. The scope of work on this project consists of furnishing all materials, equipment and labor for the **DESIGN AND CONSTRUCTION OF A METAL SAND STORAGE BUILDIN, CLARK FORK,** as per the specifications contained in the above requisition.

Contact EVEY MCADAMS Contract Program Specialist for Bid Requirements and Clarification at (208) 334-8084.

Fax ALL questions regarding this bid to: (208) 332-4109

FOR BID RESULTS, PLAN HOLDERS LIST VISIT:

http://itd.idaho.gov/business/business.htm

RETURN BID IN A SEALED ENVELOPE <u>CLEARLY MARKED</u> AS SHOWN:

Requisition #: K-000180
Bid Close Date: 6/7/06 – 5:00 PM Bid Open Date: 6/8/06 – 11:00 AM
Item Bidding: METAL SAND SHED CLARK FORK

<u>Mailing Address</u>

Idaho Transportation Department
Supply Services Purchasing Section
P.O. Box 7129
Boise, Idaho 83707-1129

SP-1 METAL SAND STORAGE BLDG

SP-1 DESIGN AND CONSTRUCT METAL SAND STORAGE BUILDING (CLARK FORK)

Description: This item shall consist of the design and construction of one (1) rigid steel sand storage building 60 ft. x 120 ft. The design weight of the stored material in the sand shed will be 130 lbs /cubic foot with a natural angle of repose of 33°.

The Contractor shall furnish and install all necessary parts and accessories required for a complete sand storage building.

All finish grading and site finish work 10'-0" outside of the roofline will be completed by State Forces. All finish grading and site finish work within 10'-0" of the outside roof line will be completed by contractor. The Contractor shall be responsible for the foundation excavation, utility trenching, boring, and backfill regardless of location.

Construction Requirements: The following design parameters apply to the respective location. The successful bidder shall show certified engineering proof, by a professional structural engineer licensed in the State of Idaho, that the structure and foundation design will support these loads.

Ground Snow Load: 60 PSF
Wind load: 90 MPH, 3 second gust
Minimum Footing Depth – 3', Site Class: B
Flood loads are non-applicable to this project.
Use Materials Foundation Investigation Report. Refer to Foundation Report

The building is exempt from seismic requirements, equivalent to an agricultural storage structure which is intended for incidental occupancy.

Method of Measurement: This item will be measured by the lump sum for construction of the buildings complete in place, including all materials, labor, equipment and site work.

Basis of Payment: The accepted quantity of this item will be paid for at the contract unit price for the item listed below.

Payment will be made under:

Pay Item:	Pay Unit:
SP-1 Design and Construct Metal Sand Storage Building (Clark Fork)	Lump Sum

I N D E X

ARCHITECTURAL
SPECIAL PROVISIONS

DIVISION NO.	DIVISION NAME
2.0	SITE WORK
3.0	CONCRETE
4.0	MASONRY (not used)
5.0	METALS (not used)
6.0	CARPENTRY (not used)
7.0	MOISTURE PROTECTION (not used)
8.0	DOORS, WINDOWS and GLASS (not used)
9.0	FINISHES (not used)
10.0	SPECIALTIES (not used)
11.0	EQUIPMENT (not used)
12.0	FURNISHINGS (not used)
13.0	SPECIAL CONSTRUCTION METAL BUILDING
14.0	CONVEYING SYSTEMS (not used)
15.0	MECHANICAL (not used)
16.0	ELECTRICAL (Included on Drawings)

2.0 SITE WORK

2.0 General

The building site will be graded by State Forces to an approximate 0.5' above or below floor elevation. The Contractor shall complete foundation and other miscellaneous excavations and backfill as required.

2.1 Excavation

Excavation shall be made in accordance with the applicable provisions of ITD Standard Specifications, Section 210 - Excavation for Structures, and shall include all excavating and backfilling of sewers, water, plumbing, heating and electrical work. Provisions shall be made for the installation of all work as the building progresses. Cutting and patching to install omitted work shall be avoided.

Excavation shall be made to the indicated elevation or dimension plus sufficient space to permit erection of forms and shoring, to allow proper installation of below-grade materials, and to allow proper inspection of foundations and below-grade installations. Excavations shall be shored and braced if necessary to prevent cave-in. Such shoring and bracing shall be removed before backfill is completed, but not until permanent supports are in place. Excavations shall be kept free from water.

2.2 Fill

Material under footings and foundations shall be compacted to the requirements of Class A in accordance with ITD Standard Specifications, Section 205 - Excavation and Embankment. All backfill around foundations and footings shall be an approved granular material placed and compacted to the requirements of Class A by the Contractor in accordance with Section 205.

Trash shall not be allowed to accumulate in spaces to be backfilled; such spaces shall be thoroughly cleaned before backfill is placed therein. Frozen particles, large stones, vegetable matter, or trash shall not be used in fill or backfill.

Fill, which is exterior to the building site and not under Portland cement concrete, except driveways and approaches, will be considered non-load-bearing. Non-load-bearing fill shall be placed in layers of not more than 12-inch loose measurement and thoroughly compacted. Driveway and approach fills shall be compacted in accordance with all applicable provisions of ITD Standard Specifications, Section 205-Compaction, Class A Compaction.

No fill or backfill shall be placed without approval.

The Contractor shall conduct work in an orderly manner and so as not to create a nuisance. Dirt shall not be permitted to accumulate on streets or sidewalks nor to be washed into sewers.

The Contractor shall remove from the site and legally dispose of all debris. Excavated material not required for fill shall be removed or spread on the site as directed.

2.3 Soil Preparation

No waste concrete, mortar, or building materials are to be buried on the site. They shall be removed by the Contractor.

3.0 CONCRETE

3.0 General

Portland cement concrete shall meet the requirements of class 30 with 3000 PSI minimum compression strength.

Minimum Cement Content - 560LB
Maximum Water Cement Ratio - .49
Maximum Slump Inches - 5"
Air Content Percent - 6.5 ± 1.5%

3.2 Form Work

Suitable and adequate wood, fiber, or metal forms shall be used for contact surfaces, conforming to shapes, lines, grades and dimensions of concrete shown on drawings. Mortar-tight, well-braced ties and supports shall be used to maintain desired position during and after placing concrete, designed for removal without injury to concrete.

Undressed lumber will be permitted for form work, except for permanently exposed exterior and interior "finished" surfaces.

Double form all footings with boards. Earth forms are not acceptable, except as indicated or approved. Before any concrete placement is started, the form work shall be cleaned of chips, trash, and sawdust. Sand shed pier forms shall be non-perforated N-12® Pipe, as manufactured by Advanced Drainage Systems Inc., of Columbus, Ohio.

3.3 Concrete Tests

6" X 12" cylinders will be taken at the point of placement in the forms for all plain and reinforced concrete, at the discretion of the Engineer and will be taken by State Forces. Cylinders will be tested in accordance with AASHTO methods by the State Laboratory.

3.4 Reinforcement

Reinforcing bars shall meet the requirements of ITD Standard Specification, Section 503, and "Standard Specifications for Billet-Steel Bars for Concrete Reinforcement," ASTM A 15, Intermediate grade bars deformed in accordance with ASTM A 305; unpainted, uncoated, free from rust and loose scale.

3.4.1 Support For Reinforcement

Metal chairs shall be used in slabs supported on earth.

Metal wire ties shall be used for formed members or walls.

3.5 Dampproofing

All exposed concrete in contact with sand and salt is to be protected with Met-Con 3000 as manufactured by Romar Industries, 2109 East Rockhurst, Springfield, Mo. 65802 or approved equal shall be applied just prior to occupancy. Surface must be clean and free of dirt, dust, and debris. Apply at 250-300 sq. ft. per gallon with recommended application methods. Met-Con 3000 shall also be applied to exposed steel up to first girt as in division 13.1 of this spec. Steel surface receiving Met-Con 3000 must be clean and completely rust free.

13.0 SPECIAL CONSTRUCTION METAL BLDG

13.0 Steel Building & Components - Prefabricated Structure

This specification covers the materials furnished for the metal buildings.

The materials furnished and installed shall include, but not be limited to the structural rigid framing, end wall columns, anchor bolts, girts, purlins, wind bracing rods, eave struts, girt sag rods, purlin bridging, diaphragm bracing, stirrups, flange bracing, web stiffeners, roofing, siding, exterior trim, fasteners, bolts, sealants, caulking and any other component parts as needed for the metal buildings as specified.

The intent of these specifications and drawings is to establish a quality and performance level for structural design, material, durability and workmanship. All bidders must conform strictly to these specifications in their bid.

The buildings shall be of a manufacturer who is regularly engaged in the fabrication of pre-engineered structures. All materials shall be new, unused, free from defects and of high quality manufacture.

All members fabricated or formed from hot rolled steel shall be hand cleaned to remove loose weld splatter, loose mill scale and loose rust and shall receive one shop coat of approved primer.

Products of the following manufacturers are acceptable provided that they comply with the remainder of this specification:

Armco Steelox Corp.
B & C Building Systems
Stran Steel Corp.
R& M Steel
HCI Building Systems

The following standards and criteria (of most recent issue) shall be used where applicable in the structural design of the building covered by these specifications.

RECOMMENDED DESIGN PRACTICES MANUAL - Metal Building Manufacturers Assn.
STEEL CONSTRUCTION MANUAL - American Institute of Steel Construction
COLD FORMED STEEL DESIGN MANUAL - American Iron and Steel Institute
CODE FOR WELDING IN BUILDING CONSTRUCTION - American Welding Society

The following criteria shall also be applicable in other phases of design:

Building code having jurisdiction over the area in which the site is located.

Structural Steel Painting Council Standards

Contractor shall furnish the Owner with a warranty for the roof that all work will be free from defects of materials or workmanship for a period of five (5) years from date of acceptance.

13.0.1 Building Description and Nomenclature

High Profile (HP) designates a clear span rigid frame building with a roof slope of 6:12 minimum for the sand shed.

Structural mill shapes and built-up sections shall be designed in accordance with the latest edition of American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Steel for Buildings."

Cold-formed steel members and exterior covering shall be designed in accordance with the latest edition of American Iron and Steel Institute (AISI), "Specification for the Design of Cold Formed Steel Structural Members."

13.1 Painting

Before leaving the shop, all steel work shall be cleaned by hand wire brushing, or by other means elected by the fabricator, of loose mill scale, loose rust, accessible weld slag or flux deposit, dirt and other foreign matter. Oil and grease deposits shall be removed by solvent. All galvanized metal will be clean and free of defective coating before leaving shop.

After cleaning all steel work shall be given one coat of shop paint applied thoroughly and evenly to dry surfaces by brush, spray, roller coating, flow coating or dipping at the election of the fabricator.

Surfaces within two inches of any field weld location shall be free of materials that would prevent proper welding or produce objectionable fumes while welding is being done. If shop painted, surfaces to be welded shall be wire brushed in the field before welding to reduce the paint film to a minimum. All exposed steel from the footing up four feet to the first girt shall be painted with Bridge-Tec 2000 or approved equal shall be applied just prior to occupancy. Surface must be clean and free of dirt, rust, dust, and debris. Apply to 250-300 sq. ft. per gallon with recommended application methods. Interior columns shall be painted with two coats of epoxy paint.

13.2 Anchorage

The building anchor bolts shall be designed to resist the maximum column reactions resulting from the specific combinations of loadings. The anchor bolt sizes shall be specified by the building manufacturer unless otherwise noted. The column base plates shall be set level with leveling nuts using at least one inch of dry pack non-shrink grout. Base channels shall be anchored with anchor bolts set on sill sealer material and pulled down evenly to form base seal.

13.3 Erection

The Contractor erecting the buildings shall be approved by the building manufacturer as an installer of their product, and have a minimum of three years experience in metal building construction. Welding shall be performed by a certified welder.

The erection of the metal buildings and the installation of accessories shall be performed in accordance with building manufacturer's erection drawings using proper tools and equipment. Erection practices shall, in addition, conform to Part IV, MBMA "Code of Standard Practices." There shall be no field modifications to primary structural members except as authorized and specified by the building mfg.

13.4 Design Loads

The basic design loads shall include live, wind, and earthquake, in addition to dead load. All of the design loads, whether they be a static, dynamic or kinetic nature, shall be considered as auxiliary loads. Snow load design shall be 60 PSF ground snow load.

13.4.1 Wind Loads

The wind design of the structure shall be for 90 MPH velocity, as recommended by the Metal Building Manufacturers Association, Design Practice Manual of current issue.

13.4.2 Combination Loads

Combination of normal loads and auxiliary loads for design purposes shall be as prescribed and recommended by the Metal Building Manufacturers Association, Design Practice Manual of recent issue.

13.5 Drawings and Certification

The building manufacturer shall furnish complete erection drawings showing anchor-bolt settings, sidewalls, endwall and roof framing, transverse cross- sections, covering and trim details and accessory installation details to clearly indicate the proper assembly of all building parts. The manufacturer shall also furnish a letter of certification by a professional civil engineer registered by the State of Idaho, verifying that the building design meets the specified loading requirements. After approval of these drawings by the Owner, the Contractor will coordinate with the Engineer and verify the existing plans meet the requirements set forth in the building plans for the building supplied.

If the building selected requires changes in the foundation plans, the Contractor shall furnish complete revised foundation plans for approval. The plans must bear the seal of a licensed civil engineer registered in the State of Idaho.

13.6 General Framing

All framing members shall be shop fabricated for bolted field assembly. Field cutting or drilling when required shall be clearly noted on the drawings. Field cutting or drilling will not be done with a cutting torch.

Only approved drills or saws shall be used.

All shop connections shall be welded in accordance with the American Welding Society (AWS) "Standard Code for Welding in Building Construction." Certification of welder qualification will be furnished when required and specified.

All framing members shall carry an easily visible identifying mark, either stamped, stenciled or painted.

13.6.1 Primary Framing

Primary structural framing shall include transverse rigid frames, intermediate columns, and endwall columns.

Hot rolled structural mill shapes used in primary framing shall conform to the requirements of ASTM A 36. Hot rolled bars, plates, sheets or strip used in primary framing

shall conform to the requirements of ASTM A 529, A 570, or A 572 with a minimum yield strength of 42,000 psi.

Rigid frames, tapered beams, and side columns shall be straight or tapered welded built-up I shapes or structural mill shapes.

Frame load bearing end walls per manufacturer's recommendations for design load.

All base plates, splice plates, cap plates and stiffeners shall be factory welded in place and shall include bolt connection holes. Webs shall be shop fabricated to include brace rod holes and flange brace holes.

13.6.2 Secondary Framing

Secondary structural framing shall include the purlins, girts, eave struts, flange braces, sill support, rake angles, clips and other miscellaneous structural parts.

Hot rolled steel and strip used in fabrication of cold-framed members shall conform to the requirements of ASTM A 570 with a minimum yield of 55,000 psi.

The minimum size of the purlins and girts shall be 8" cold-formed "Z" sections with 2.5" flanges with stiffened edges. Stiffened flange edges shall be formed so as to permit nesting during shipping and when assembling overlapping continuous connections.

Eave struts shall be unequal flange "C" sections cold-formed so as to provide adequate back-up for both roof and wall panels at the building eave.

13.7 Bracing

Wind bracing shall consist of diagonal rod, cable, or angle bracing in both roof and sidewalls. When diagonal bracing is not permitted in the sidewalls, a rigid frame type portal shall be placed between the frames. Sag rods or angles and bridging angles shall be placed properly along the center spans of all the girts and purlins. The inside flanges of the rigid frames shall be braced laterally by angles connected diagonally to the webs of the purlins and girts.

13.8 Roof and Wall Covering

Exterior roof covering shall be 24 gauge minimum thickness galvanized factory painted steel ribbed panels, Exterior wall covering shall be 26 gauge minimum thickness galvanized factory painted steel ribbed panels. Painted panel colors will be as approved by the Engineer.

Wall panels shall provide 36" net coverage (maximum) in width and shall lap one full major rib on sides. Roof panels shall provide 36" net coverage (maximum) in width. All roof panels shall be two piece staggered joints. Wall panels shall be continuous one piece as shown on the drawings. All endwall panels shall be full length bevel cut.

Material for galvanized steel panels shall conform to the requirements of ASTM A 653 Grade 37 (37,000 psi minimum yield) 1.15 ounce coating class.

Unless otherwise specified, the exposed exterior surface of all galvanized wall panels, flashing, trim, and other exterior galvanized steel surfaces shall be color coated (color to be selected by Owner) with silicone polyester coating system, which will meet or exceed the following durability criteria:

Film Integrity - Film will not peel, crack or blister, except for slight crazing on tightly formed bend lines as a result of accepted fabrication procedures for a period of 8 years on vertical (± 15°) surfaces or for a period of five years on non-vertical surfaces.

Chalk - Finish of vertical (± 15°) surfaces will not chalk in excess of a numerical rating of 8 for colors or 6 for white as measured by ASTM D 659 for a period of 8 years.

Color Change - Finish of vertical (± 15°) surfaces will not fade or change color more than 5 NBS units as measured by any standard Tristimulus color meter in accordance with ASTM methods on a properly cleaned specimen for a period of 8 years.

The color (baked) finish for the wall panels shall be guaranteed by the building manufacturer for ten years against blistering, peeling, cracking, flaking, color change not to exceed 5NBS units per ASTM D 2244 and chalking shall be less than a rating of 8 per ASTM D 659.

13.9 Trim

Trim and flashing shall be furnished at the rake, corners, eaves, at all framed openings, and wherever necessary to provide weather tightness and finished appearance.

Galvanized steel for trim, flashings, and other miscellaneous uses shall be 26 gauge or heavier and shall be color coated. Ridge shall be provided with closed cell light gray EPCM closures matching the panel profile to provide a weather tight roof.

13.10 Bolts and Fasteners

All field connections shall be bolted. Structural bolts shall conform to ASTM A 325 with no washers and shall be tightened by the turn-of-the-nut method.

All panels shall be attached to secondary frame with #14 x 3/4" Type A self- tapping screws with cadmium plated carbon steel head and shank and domed washer with neoprene sealing element. Roof
panels shall be jointed at side laps with the same fastener. Panels shall be properly fastened to every girt and purlin. The minimum spacing of the panel fasteners on the girt and purlin lines shall be 12" on centers. The minimum spacing of the side lap fasteners shall be 24" on centers, but properly designed and variable spaced to meet the snow and wind load requirements.

Optional fastener for wall panels shall be #14 x 1" self-drilling screw with cadmium plated carbon steel head and shank with domed washer and neoprene sealing element.

Trim laps shall be connected with 1/8" aluminum pop rivets.

Heads of all fasteners for colored panel and trim shall be pre-painted to match color of adjacent surface.

13.11 Sealant and Closures (Walls)

Sealant for sidelaps, endlaps, and flashings shall be a nominal 1/4" wide x 3/16" thick, gray pressure sensitive tape which shall be a blend of butyl rubber, plasticizers and inert fillers. The material shall be non-toxic, non-corrosive, non-shrinking and non-drying and shall have

superior adhesion to metals, plastics and painted surfaces at temperatures from –40° to +180°F.

13.12 Roof Sealants

The sealant shall be applied in the longitudinal and transverse joints of the roofing sheets to provide a waterproof seal that will not lose its sealing properties when exposed indefinitely to sunlight, moisture, and extreme temperature changes.

The compound shall be gray, pumpable grade, polybutens butyl rubber type, non-drying sealer. It shall exceed the performance requirements of the pressure sensitive tape type used for wall side laps.

The sealant shall have good cohesion and good adhesion to protective-coated steel. The material shall not be corrosive to the roof components. It shall pump satisfactorily from a loaded gun that has been stored at 10°F. for 12 hours; and shall not sag or slump at 120°F.

13.13 Shop Drawings

Five (5) copies of all shop drawings shall be submitted for approval. Approved or noted drawings will be returned to the Contractor within fifteen (15) days.

Shop drawings so prepared and approved are deemed to represent the correct interpretation of the work to be done. Contractor shall furnish all necessary templates and patterns required by other trades and supervise and be responsible for proper location

NAME: Clark Fork Sand Shed (Yard 11300)
COUNTY: Bonner
WA: A405003

MATERIALS PHASE IV REPORT
April 21, 2006

250.1 Introduction

This project will consist of constructing a 60-foot by 120-foot sand shed. The proposed design will utilize an open sidewall with spill through pier column supports. The proposed site lies within an area containing thick deposits of clean sand and gravel with cobble and boulders.

District maintenance has maintained a sand stockpile at the proposed building locations for many years. The site has historically been an aggregate source, a sand storage site and a location for the Clark Fork Maintenance Facility.

Bearing for the foundations will be within clean, poorly graded, dense sandy gravel for both spread footing and shaft foundation options. Portions of the site may have been previously disturbed and backfilled with native material or sanding material. Spread footings are recommended.

250.2 Field Exploration and Laboratory Testing

250.2.1 Test Holes

Two borings were completed for this project. These were located in the southwest and northeast corners of the propose building locations. The borings were completed to approximately 30 below existing grade utilizing rotary drilling methods and Standard Penetration Test (SPT) methods.

250.2.2 Field Tests

Standard Penetration Testing was performed at 5 foot intervals as part of this investigation.

240.2.3 Geophysical Exploration

No geophysical testing was performed.

250.2.4 Laboratory Tests

Laboratory testing was not performed. The soils were visually classified in the field.

250.3 Surface Conditions

The proposed sand storage shed is located 180 feet north of the existing Maintenance Office and Shop. The proposed site has been the location of sanding material stockpiles placed there for several years.

250.4 Subsurface Conditions

The subsurface soils will consist of dense, poorly graded, clean sandy gravel soils with cobbles and boulders. The soil is generally moist and excavation of large cobbles and boulders will be required. Depth to groundwater is controlled by the flood stage of Lightning Creek.

250.5 Conclusions and Recommendations

250.5.1 General

The proposed building is an open sided, sand-shed design. A shallow spread footing is recommended. The building site has historically been the location of numerous sanding material stockpiles. The site is underlain by generally granular soils and has been pre-loaded, so settlement should be minimal and occur quickly.

250.5.2 Foundations

250.5.2.1 Spread Footings

Spread footings may be either individual or continuous. The estimated allowable bearing capacity is 3 ton/ft^2 based upon a minimum 3 foot wide footing with a minimum embedment of 3 feet below finish grade for frost protection. The estimated coefficient of friction between the bottom of the footing and the foundation soil is 0.48.

250.5.3 Lateral Pressures and Backfill

Lateral earth pressures were not required for this project. All backfill material should be native granular material.

250.5.4 Anchors

Not required for this project.

250.5.5 Drainage

The surface should be graded to drain away from the site but anti-icing salt runoff will need to be controlled.

250.5.6 Embankments

Embankments are not required for this project but minor site grading may be required.

250.5.7 Erosion Control

Standard Erosion Control measures will be required.

250.5.8 Seismic Design

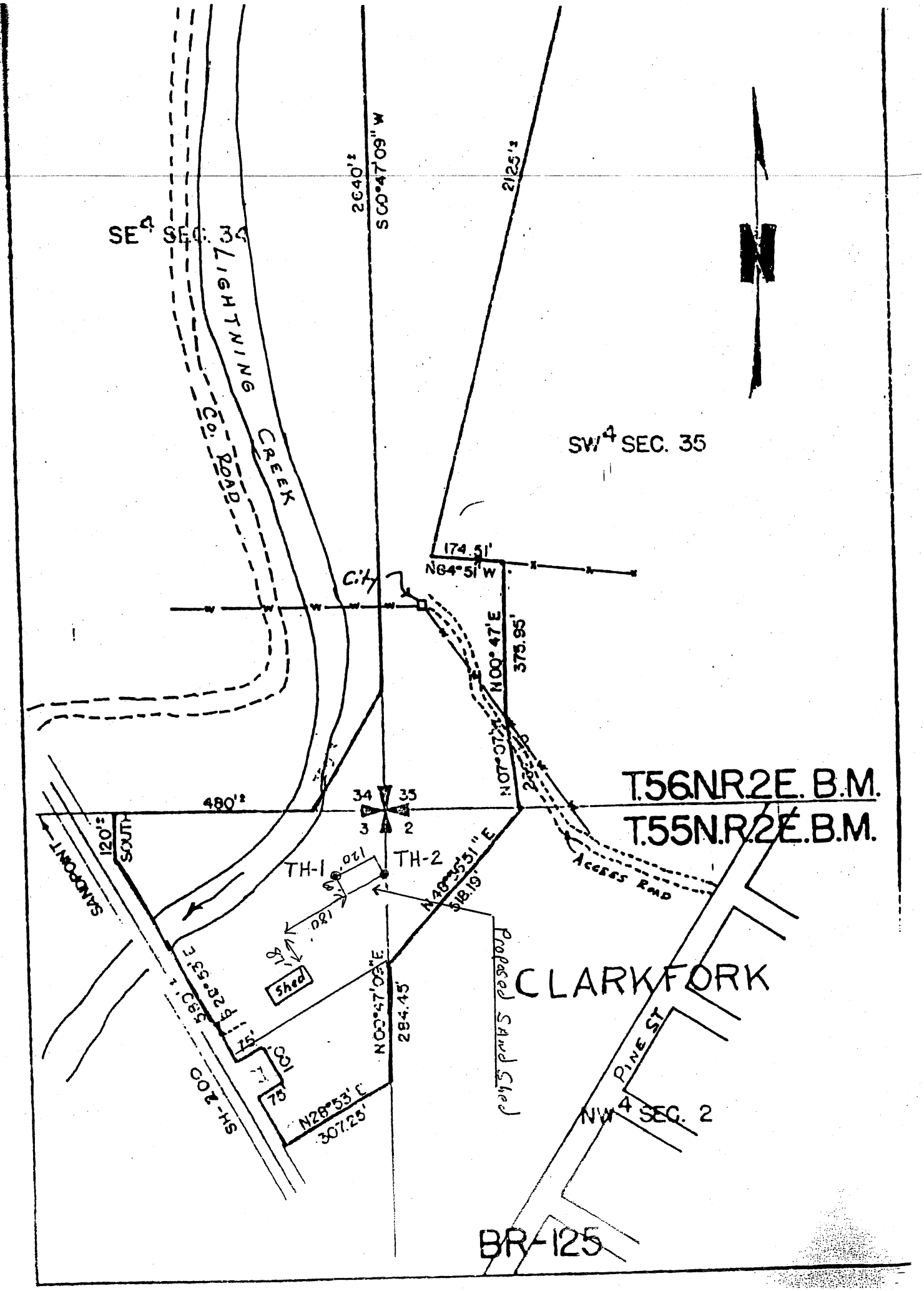
The project area falls within the $A_V \leq 0.09$ contour of the Effective Peak Velocity Related Acceleration Coefficient interim map (Matls. Manual, Fig. 16-240.5.8.1). For the design on any structures associated with this project, the Effective Peak Velocity Related Acceleration Coefficient, A_v should be 0.09. The probability of exceeding this value is 0.10 in 50 years.

250.5.9 Construction

Open excavations shall be supported or sloped to 1.5H: 1.0V or flatter and meet OSHA safety standards.

250.6 Illustrations

A site plat and test hole location sketch is attached.


SE¼ SEC. 35
LIGHTNING CREEK
Co. ROAD
2640'±
S 00°47'09" W
2125'±
SW¼ SEC. 35
174.51'
N64°51' W
C.H.
N 00°47' E
373.95'
N 07°07' W
233'
T.56N.R.2E. B.M.
T.55N.R.2E.B.M.
480'±
34
35
3
2
120'±
SOUTH
SANDPOINT
TH-1
TH-2
120'
180'
48'
Shed
N48°35'51" E
518.19'
ACCESS ROAD
Proposed Sand Shed
CLARKFORK
S 28°53' E
383.1'
N 00°47' 09" E
284.45'
15'
100'
75'
N28°53' E
307.25'
SH-200
PINE ST
NW¼ SEC. 2
BR-125

ITD-981 4-88

FOUNDATION AND SLOPE STABILITY EXPLORATION

Field Log of Boring No. 1 Sheet 1 of 1

Project No. _____ Date 7-26-01 Collar Elevation _____

Project Name Clark Fork Sand Shed Reference 165'N @ N10°W from NW Corn Shop

Technician _____ Location SW Corner Proposed Sand Shed

Driller Don Hannie Water Level 17.5' After Overnight w/30' cased.

Drilling Method Rotary / HW Casing Driving Weight 140# Average Drop 30"

Time: Start _____ Stop _____

SAMPLE

Depth	Type	Number	Blows per Length - in.	Moisture	Consistency	Color	Description	Group Symbol	Remarks
0–5				M	Loose + Very Dense	Lt. Brn. to Lt Gry	Sandy GRAVEL w/ gravelly SAND lenses, cobble & Boulders.	*	Sand is subrounded to subangular. Cobbles & Boulders are subrounded.
5	N	1	18 34/6"						Drilling is slow w/ roller bit.
6–10									*Lightning Ck Alluvium.
10	N	2	30+/3"						
15	N	3	45 49 35						Lost Circ. @ 15'–
16–17									N-4 20'-20.4'- 50+ blows
17									N-5 25'-20.3'- 50+ blows
18				Wet					N-6 30'-30.6'- 70+ blows

ITD-981 4-88

FOUNDATION AND SLOPE STABILITY EXPLORATION

Field Log of Boring No. 2 Sheet 1 of 1

Project No. _____ Date 7-31-01 Collar Elevation _____

Project Name Clark Fork Sand Shed Reference 285' N 45° E from NW Corner existing Shed

Technician _____ Location NE Corner Proposed Sand Shed

Driller Don Hanni Water Level 17.5' After Overnight, casing to 25'.

Drilling Method Rotary w/ HW Casing Driving Weight 140# Average Drop 30"

Time: Start _____ Stop _____

SAMPLE

Depth	Type	Number	Blows per Length - in.	Moisture	Consistency	Color	Description	Group Symbol	Remarks
0				M	Loose to Very Dense	Lt. Br to Lt. Gry	Sandy Gravel w/ gravelly Sand lenses & Cobbles & Boulders.		Lightning Creek Alluvium.
5	N	1	48 17 20		Dense				
8									Circulation is intermittent.
9					Very Dense				
10	N	2	45+/4"						
15	N	3	35 27 32						N-4 20'-20.7' 72+ blows N-5 25'-25.3' 50+ blows N-6 30'-30.1' 50+ blows
17					Wet				
20							END @ 30.1'		

SPECIAL PROVISION
IDAHO BUILDING

Furnish all materials, equipment and labor for the **Design & Construction of a Metal Sand Storage Building CLARK FORK,** as per the specifications contained in requisition number **K-000180.**

The following Special Provisions supplement or modify the 2004 State Standard Specifications for Highway Construction and SP-SA Special Provisions – State Aid.

The plans shall be supplemented by the Contractor for such working drawings as are necessary to adequately control the work.

Materials incorporated into this project shall be new and free from defects and of the best commercial quality for the purpose specified.

The Idaho Transportation Department's Standard Specifications for Highway Construction manual is available to the Contractor for $30.00 plus tax. Contact the Idaho Transportation Department at 334-8430 to purchase. Note: The Standard Specifications of Highway Construction can also be viewed and downloaded at http://itd.idaho.gov. Where general and supplementary conditions and division 1-specification sections are referred to; current industry standards shall be followed. Owner shall be construed to mean the State of Idaho through the Idaho Transportation Department (ITD). Where approval of Architect or Engineer is required, it shall be construed to mean the Resident Engineer.

LIQUIDATED DAMAGES

The amount of Liquidated Damages for failure to complete the work on time of this project will be **$100.00 per day**.

Contractor shall submit all required submittals within 30-days of contract signing. Authority to proceed will be given after building and foundation submittals are approved and returned to the Contractor, as well as, construction and material delivery schedules are established

GENERAL

The Contractor shall supplement the plans for such working drawings as are necessary to adequately control the work. Materials incorporated into this project shall be new and free from defects and of the best commercial quality for the purpose specified.

The contractor, before commencing work, shall purchase and maintain property insurance against fire with extended coverage, including loss or damage by vandalism and malicious mischief on this work to the full insurable value thereof, with insurance approved by the State and any loss made payable to the State, as his interest may be at the time of said loss. He shall furnish a copy of the insurance policy to the Engineer. No cancellation or change in this policy shall be effective without 30 days prior written notice to the Engineer.

GUARANTEE

Excepting where certain portions of the work call for a longer period, all work shall be guaranteed for a minimum period of one year after the date of final acceptance; during the guarantee period, any repairs or replacements required because of defective workmanship or material shall be at the Contractor's expense.

WARRANTIES, GUARANTEES AND INSTRUCTION SHEETS

Three (3) copies of the manufacturer's warranties, guarantees, instruction sheets, and parts lists for all Contractors' furnished materials shall be turned over to the State upon completion of the project.

TEMPORARY UTILITIES

Contractor shall provide temporary power pole and power. The contractor shall visit the site and determine what measure, if any, he will have to take to provide for water for construction work, which may occur before the time that permanent services will be available.

The contractor shall make arrangements for and furnish at their own expense, all water, sanitary facilities and other utilities necessary for construction purposes. All utilities shall be at contractor's expense until final acceptance.

The Contractor shall provide and maintain weather protection and heating as required for the protection of the work from the beginning of the work until final completion, acceptance, or occupancy. Methods and extent of protection and heating shall be subject to the State's Approval.

PERMITS

The State will furnish the building permit, if required.

The Contractor shall obtain and pay for all other licenses and permits and shall pay fees and charges for connection to outside services to include, water sewer and electricity and use of public or private property for storage of materials, etc. The Contractor shall comply, without additional expense to the State, with all State, County and Municipal building ordinances and regulations insofar as the same are binding upon the State. ITD will reimburse the contractor for utility hookup fees at invoice costs.

CLEANING UP BUILDING

In addition to removal of rubbish and leaving the building rooms clean, the Contractor shall remove stains, spots, marks and dirt from decorated surfaces, clean hardware, remove paint spots and smears from all surfaces and clean fixtures, clean all glass; replace any broken glass.

PROTECTION

The Contractor shall, at all times, protect excavation, trenches and building from damage or cave-in; provide pumps, equipment or enclosures as required; remove and replace with new work any work damaged by failure to provide protection; provide and maintain guard lights at barricades, obstructions, trenches or pits adjacent to public thoroughfares. Replacement of damaged work will be at no additional cost to the Owner.

CODES

Contractor, including subcontractors, shall submit his bid in accordance with plans and specifications. If plans and specifications do not comply with any codes having jurisdiction in that particular place or construction, Contractor shall submit alternate price on any changes necessary to comply with such codes. If such alternates are not stated in bid, it shall be assumed that Contractor's base bid includes, to the best of his knowledge and experience, all work necessary to comply with such codes.

PRIOR APPROVAL

The references made to materials equipment, appliances or fixtures in the plans or these specifications, where manufacturers' products or brand names are specified, are made to show

standards for comparison only as to type, design character, or quality of the article desired, and are not for the purpose of restricting bidders to these products or brand names.
The term "or equal" as used herein shall be understood to mean equal to that specified for fulfilling the intended requirements in the judgment of the Engineer. THE BURDEN OF PROVING THE EQUALITY SHALL BE THE CONTRACTOR'S RESPONSIBILITY. The Engineer's decision shall be final. Shop drawings or manufacturer's literature for the substitute item and for the specified item shall be submitted to support the Contractor's requests on all substitutions.

All requests for approval of change in design of function of materials specified must allow 14 days review time, after receipt of all necessary documents, by the Engineer. Approval of submittals shall not relieve the Contractor from responsibility for deviations from the plans or specifications, unless he has, in writing, called the Engineer's attention to deviations at the time of submission, and obtained his written approval. Approval of submittals does not relieve the Contractor from responsibility for errors in shop drawings or literature.

SUBMITTALS

Minimums of five (5) complete submittals are required on all products, unless more are required in the Architectural Specifications.

Submittals shall contain:

Project name and number

1. Date of submission and dates of any previous submissions.
2. The names of the contractor, sub-contractor and manufacturer.
3. Contractors stamp, initialed or signed, certifying to review of submittal.
4. Identification of any deviation from Contract Documents.
5. Identify each submittal item by specification section, manufacturer, brand, trade name, number, size, rating, or whatever other data is necessary to properly identify and check materials and equipment. The words “as specified” are not sufficient identification.

AS-BUILT DRAWINGS

The Contractor shall provide the Engineer with three (3) complete sets of as-built drawings. As-built drawings shall provide detailed and accurate sizes, dimensions and locations of all work items covered under this contract. Contractor shall instruct the separate trades to keep accurate measurements and records of their installation, as the work proceeds. No measurement or payment will be made for as-built drawings, but the cost thereof shall be considered incidental to the items of work under this contract.

OPERATION, MAINTENANCE INSTRUCTIONS AND MANUALS

Train owner's personnel in the general use and maintenance of all installed equipment and accessories. Provide three complete copies of "Operations and Maintenance" manuals for the owner's use. Manuals will identify all parts of equipment and show complete wiring diagrams. Manuals will include copies of warranties for all items.

WORK NOT NOTED, DETAILED OR SPECIFIED (Revised 9/29/03)

All work required for complete installation or assembly shall be included in the Contractor's bid. Where minor portions of required work are not noted, detailed, or specified, such work shall be done in accordance with proven construction practice or accepted industry standards at no additional cost to the owner. The Contractor shall be held responsible for verification of existing job conditions prior to bid. No additional cost shall be awarded to the successful contractor (or their subcontractors) after bids have been submitted and contracts awarded for failure to verify existing field conditions. Discrepancies between actual field conditions and contract documents shall be brought to the Architects/Engineers attention for alternative methods of installation prior to the bidding of this project.

DIMENSIONS AND MEASUREMENTS

The Contractor shall field verify all dimensions pertaining to the work and shall be responsible for the determination of all quantities of materials required for the work and for the accuracy of all dimensions of materials and items fabricated for this project. The Contractor shall not rely on the scale drawings in the project drawings for the determination of exact quantities or dimensions.

PERFORMANCE

Contractors interested in bidding this project shall carefully inspect the project prior to submitting his bid. Submission of a bid by any Contractor shall be accepted as prima facie evidence that he has examined these specifications and has satisfied himself as to the nature and location of the work and all other matters, which can in any way affect the work or cost thereof under the contract. Any failure of the Contractor to acquaint himself with all available information, including a physical survey of the site of the proposed work, shall not relieve him from successfully performing all the work required for a complete finished job.

BID SCHEDULE

All of the items shown or noted on the plans or in these specifications, which are not specifically a bid item, are considered incidental items. The cost of furnishing and installing all incidental items will not be paid for separately, but shall be included in the contract unit prices as bid, unless otherwise noted.

COORDINATION AND CONTROL

This work shall proceed in an effective sequence so as to eliminate unnecessary work stoppages at the building.

SUPERINTENDENT

The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during the progress of work. The superintendent shall be satisfactory to the Architect, and shall not be changed except with the consent of the Architect unless the

Superintendent proves to be unsatisfactory to the contractor and ceases to be in his employ. Under this circumstance, the new superintendent shall also be satisfactory to the Architect. The superintendent shall represent the Contractor and all communications given to the superintendent shall be as binding as if given to the Contractor. Important communications will be confirmed in writing.

SPECIAL PROVISION ITEMS - MEASUREMENT AND PAYMENT (SP-1)

The accepted quantities of all Special Provision Items hereinafter specified will be measured by the units shown and paid for at the contract unit prices for such items, which price shall be full compensation for all material, labor, equipment, tools and incidental expense necessary to complete the item except as otherwise noted.

OWNERS USE OF BUILDING (Addition 12/1/03)

Owner reserves the right to occupy and/or use the building or portions thereof, including portions during the construction period and prior to final acceptance. Such occupancy and/or use shall not constitute acceptance of the Work or any part thereof. The contractor shall take special care to insure that no unnecessary disruptions or normal routines will occur at the project work site. Access to and egress from buildings, grounds, services areas, drives, and streets shall be maintained at all times. Temporary disruptions of building services, equipment, etc… shall be scheduled with the Owner. Normal functions shall be restored as quickly as possible.

II. PROPOSAL GUIDELINES

1. Pre-proposal Conference

Oral explanations, instructions and interpretations given to bidders prior to award of contract will not be binding. It is the Department's intent to provide all bidders equal opportunity to access and acquire all available pertinent information necessary to formulate a responsive bid. Any information, specifications, plans, data or interpretations which the Department discovers is lacking and may be important to all bidders, will be furnished to all bidders in the form of an addendum, the receipt of which shall be acknowledged.

2. Performance

Submission of a bid by any Contractor shall be accepted as prima facie evidence that they have satisfied themselves as to the nature and location of the work and all other matters, which can in any way affect the work or cost thereof under the contract. Any failure of the Contractor to acquaint them with all available information, including a physical survey of the site of the proposed work, shall not relieve them from successfully performing all the work required.

3. Bidding Requirements and Conditions

Sealed Bids will be received at the time and place stated on the Signature Page. Timely receipt of Bids will be determined by the date and time the Bid is received at the address specified. Hand delivery is encouraged to ensure timely receipt. No proposals will be accepted after the time indicated. All material that is submitted in accordance with this solicitation becomes the property of the State of Idaho and will not be returned.

The bidder shall submit their bid proposal upon the forms furnished by the Department. In the bid schedule, the bidder shall specify a unit price in figures for each pay item for which a quantity is given and show the products of the respective unit prices and quantities written in figures in the column "Amount Bid," and the total amount of the bid obtained by adding the amounts of the several items. In the event of a discrepancy between unit bid prices and extensions, the unit bid price shall govern. All figures shall be written in ink or typed. Penciled entries will not be accepted. If entries are in pencil, the bid proposal shall be considered irregular and the bid will be rejected.

The bidder's proposal shall be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, by one or more officers of a corporation, or by an agent of the bidder legally qualified and acceptable to the State. If the proposal is made by an individual, their name and post office address shall be shown; by a partnership, the name and post office address of each partner shall be shown; as a joint venture, the name and post office address of each member or officer of the firms represented by the joint venture shall be shown; by a corporation, the name of the corporation and the business address of its corporate officials shall be shown.

4. Irregular Proposals

Proposals will be considered non-responsive and shall be rejected for the following reasons:

1. If the Bid Proposal Form(s) are on a form other than that furnished by the State or if the form is altered or any part thereof is detached.

2. If there are unauthorized additions, conditional or alternate bids, omission of addenda, or irregularities of any kind, which tend to make the proposal incomplete, indefinite, or ambiguous as to its meaning.

3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.

4. If the Bid Schedule does not contain a unit price for each pay item listed except in the case of alternate pay items.

5. If the Bid Documents are not sealed, when received by the Department.

6. If the Signature Page is not signed in Ink.

7. If Addendums are not signed and returned with the Bid Documents.

8. If the required Public Works License Number(s) is not inserted on the Signature Page.

5. <u>Proposal Guaranty / Surety Bond Requirements</u>

No proposal will be considered unless accompanied by a guaranty of the character and in an amount not less than the amount indicated on the Request for Quotation.

If a surety bond is used, it shall be submitted on an acceptable form signed by the bidder and their surety company. Power of Attorney for the person who executes the bond on behalf of the surety as Attorney-In-Fact must accompany the proposal bond.

The lowest responsive bidder shall furnish a performance bond and a payment bond each in the amount of the contract.

The lowest responsive bidder may deposit government obligations in lieu of performance and payment bonds under the following conditions:

1. The obligations shall be acceptable to the State Treasurer.

2. The obligations shall be payable to, or fully negotiable by, the Department.

3. The obligation shall be in an amount equal at fair market value to the penal sum of the required surety bonds.

4. The bidder pays the initial and return transfer charges for transmittal of the obligation of the Treasurer's Office.

Within **90 days** after final acceptance for the project those obligations deposited, as a performance bond will be returned, less any amount owed to the Department as a result of this contract. Obligations deposited, as the payment bond shall be held for a period of one year from the date of acceptance of the project for settlement of claims in accordance with Idaho Code, Section 54-1927.

Government obligations shall be deposited with the State Treasurer with instructions to issue a safe keeping receipt to the Department.

6. <u>Disqualification of Bidders</u>

Any of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of their proposal or proposals:

1. More than one proposal, for the same work from an individual, partnership or corporation under the same name or a different name.

2. Evidence of collusion among bidders. Participants in such collusion will receive no recognition as bidders for any future work of the State until any such participant shall have been reinstated as a qualified bidder.

7. Consideration of Proposals

After the proposals are opened and read, they will be compared on the basis of the summation of the products of the approximate quantities shown in the bid schedule by the unit bid prices. The results of such comparisons will be available at http://itd.idaho.gov/business/business.htm.

The right is reserved to reject any or all proposals, to waive technicalities, to advertise for new proposals, or to proceed to do the work otherwise, if, in the judgment of the Department, it is in the best interest of the State.

8. Execution / Award of the Contract

The award of contract, if it is awarded, will be made within **15 calendar days** after the Intent to Award Notice letter has been mailed to the lowest responsive bidder whose proposal complies with all requirements prescribed.

However, the award may be deferred beyond **15 calendar days** by mutual written agreement between the Department and the lowest responsive bidder.

The contract shall be signed by the lowest responsive responsible bidder and returned together with the Surety bonds, **within 15 calendar days** after the bidder has received the contract. If the contract is not executed by the State within **15 calendar days** following receipt from the bidder of the signed contracts and bonds, the bidder shall have the right to withdraw their bid without penalty. No contract shall be considered as effective until it has been fully executed by all of the parties thereto.

9. Failure to Execute Contract

Failure to execute the contract and file acceptable bonds within **15 calendar days**, after the contract has been received by the bidder, shall be just cause for the cancellation of the award of contract and the forfeiture of the proposal guaranty which shall become the property of the State, not as a penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible bidder or the work may be re-advertised or otherwise, as the Department may decide.

10. Return of Proposal Guaranty

Proposal guaranties, except those of the two lowest responsive bidders, will be returned immediately following the opening and checking of the proposals. The retained proposal guaranty of the unsuccessful of the two lowest responsive bidders will be returned within 10 days following the award of contract and that of the successful bidder will be returned after satisfactory Surety bonds have been furnished and the contract has been executed.

III. TERMS AND CONDITIONS

1. Contract Term

Contract term is non-renewable. Work shall not commence before notice to proceed has been given and will be completed within forty-five (45) calendar days.

2. Payment Requirements

Payments will be made as provided: Upon satisfactory completion of services specified herein, the Contractor will be paid monthly as soon as possible after receipt of invoices. Payments otherwise due may be withheld on account of substandard or defective work n ot remedied.

3. Changes

The Department reserves the right to revise the "Work Locations and Schedule" and to make other changes within the general Scope of Work as may be deemed necessary to best serve the interests of the Department. Changes in compensation, which may result from such revisions, shall be documented by formal Change Order to the contract and approved by the Purchasing Agent.

4. Claims for Adjustment and Disputes

If the Contractor believes that additional compensation is due them for work or material not clearly covered in the contract, or not ordered as extra work, as defined herein, they shall prosecute their claim in the following manner.

Prior to doing the work on which they believe additional compensation is due them, the Contractor shall notify the ITD Purchasing Agent in writing of their intent to file a claim. If such notification is not given, then the Contractor shall thereby waive their right to any claim for such additional compensation.

At a minimum, the detailed letter shall include a narration of events, citing of entitlement and a showing of the amount of compensation and/or adjustment of time believed due. Full documentation for all elements in the letter shall be included. The claim will be considered and a determination made. The Purchasing Agent will notify the Contractor in writing of the decision.

The decision will be final and conclusive unless, within thirty (30) days from receipt of the Purchasing Agent's letter, the Contractor submits an appeal in writing to the Purchasing Agent. All pertinent information, references, arguments and data to support the claim shall be included. The Purchasing Agent will review the claim and the Contractor will be notified by mail. This decision will be final and conclusive.

In connection with any appeal proceeding under this subsection, the Contractor will be afforded an opportunity to be heard and offer evidence in support of their claim at any level of review. Pending final decision of a dispute hereunder the Contractor shall proceed diligently with performance of the contract.

5. Compliance

If the Department registers a formal and written compliant with the Contractor in respect to undesirable or unsanitary conditions, the Contractor will have 72 hours in which to respond in person to the complaint, to the project Coordinator to remedy the problem(s).

Failure to respond in the prescribed time to the complaint or to remedy the problem may result in termination of the contract as provided in Section 6 TERMINATION.

If the Department is not satisfied with the results and remediation of the complaint, the project coordinator may require periodic and joint inspections of the area with the Contractor to discuss and point out Contractors violations. Failure of the Contractor to attend these inspections may result in termination of the contract.

6. Termination For Default

Should the Contractor neglect to prosecute the work properly, or fails to perform any provision of the contract, the Department, after seven (7) days from written notice to the Contractor, may without prejudice to any other remedy they may have, make good the deficiencies and may deduct the cost thereof from the payment then or thereafter due to the Contractor or, at its option, may terminate the contract and take possession of all materials, tools, fixtures and furnish the work by such means as the Department sees fit, and if the unpaid balance of the contract price exceeds the expense of finishing the work, such excess shall be paid to the Contractor, but if such expense exceeds such unpaid balance, the Contractor's surety shall pay the difference to the Department.

7. Termination For Convenience

A. The DEPARTMENT or CONTRACTOR may cancel this Contract at any time with or without cause upon thirty (30) days' written notice to the other party, and specifying the date of termination.

B. Cancellation of the Contract by either party shall terminate the obligations or liabilities of the parties, except that the obligations or liabilities incurred prior to the termination date shall be honored.

8. Indemnification

The Contractor shall indemnify, save harmless, and defend regardless of outcome, the State from the expenses of and against all suits, actions, claims, or costs, expenses, and attorney fees that may be incurred because of any injuries or damages received or sustained by any person, persons, or property on account of the operations of the Contractor or their subcontractors; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in the work; or because of any act or omission, neglect, or misconduct of the Contractor or their subcontractors; or because of any claims or amounts recovered from any infringements of patent, trademark, or copyright; or from any claims or amounts arising or recovered under the Worker's Compensation Act or any other law, ordinance, order or decree.

9. Insurance Requirements

The Contractor shall carry such public liability and property damage insurance that will protect them and the State of Idaho from claims for damages for bodily injury, including accidental death, as well as for claims for property damages, which may arise from operations under the contract whether such operations be by themselves or by any subcontractor or by anyone directly or indirectly employed by either of them. The following is a brief explanation of the required insurance coverage's. A certificate of insurance will be required of the contractor selected.

1) Worker's Compensation. The CONTRACTOR, its subcontractor(s), if any, and all employers providing work, labor or materials under this contract, are subject employers under the Idaho Worker's Compensation Law, and shall comply with Idaho Statutes regarding Worker's Compensation.

For the duration of this Contract, and until all work specified herein is complete, the CONTRACTOR, its subcontractor(s), if any, and all employers providing work, labor or materials under this contract, shall provide Idaho Worker's Compensation coverage that satisfies Idaho law for all their subject workers.

The CONTRACTOR must have a valid Worker's Compensation insurance policy in effect prior to the Division of Purchasing generating the contract. The CONTRACTOR must show proof of such coverage by presenting to the Division of Purchasing a valid certificate of insurance showing statutory coverage.

The CONTRACTOR must provide either a Certificate of Idaho Workers' Compensation Insurance issued by a surety licensed to write Idaho Workers' Compensation Insurance in the State of Idaho, as evidence that the CONTRACTOR has in effect a current Idaho Workers' Compensation Insurance policy, or an extraterritorial certificate approved by the Idaho Industrial Commission from a State that has a current reciprocity agreement with the Industrial Commission.

2) Employer's Liability. This coverage is written in conjunction with Worker's Compensation and provides insurance for the employer's liability to its employees in circumstances where the injury is not covered by the Worker's Compensation law and the employer may be subject to common law liability. Employer's liability insurance shall be a minimum amount of $100,000 per occurrence.

3) Liability Insurance. For the duration of the Contract and until all work specified in the Contract is completed, the CONTRACTOR shall have and maintain, at CONTRACTOR'S expense, the liability insurance set forth below and shall comply with all limits, terms and conditions of such insurance. Work under this Contract shall not commence until evidence of all required insurance is provided to the Division of Purchasing. Evidence of insurance shall consist of a completed certificate of insurance signed by the insurance agent for the CONTRACTOR and made a part of this Contract.

4) The Contractor shall not commence work under the contract until he obtains all insurance required under this provision and furnishes a certificate or other form showing proof of current coverage to the State and to the railroad or railway company, when involved. All insurance policies and certificates must be signed copies. After work commences, the Contractor will keep in force all required insurance until written acceptance of the project.

Required Insurance:

1) Commercial General Liability Insurance. The CONTRACTOR shall have and maintain Commercial General Liability (CGL) Insurance covering bodily injury and property damage. This insurance shall include personal injury liability coverage; blanket contractual liability coverage for the indemnity provided under this Contract and products/completed operations liability. The combined single limit per occurrence shall not be less than $1,000,000 or the equivalent. Each annual aggregate limit shall not be less than $1,000,000, when applicable, and will be endorsed to apply separately to each job site or location.

2) Automobile Liability Insurance

The Contractor shall obtain, at the Contractor's expense, and keep in effect during the entire term of the contract, Automobile Liability Insurance covering owned, non-owned and hired vehicles. This coverage may be written in combination with Commercial

General Liability Insurance. Combined single limit per occurrence shall not be less than $1,000,000.

Additional Requirements:

1) State of Idaho as Additional Insured:

The liability insurance coverage required for performance of the Contract shall include the State of Idaho, the Idaho Transportation Department and its division, officers and employees as additional insured, but only with respect to the CONTRACTOR'S activities to be performed under this Contract.

2) Notice of Cancellation or Change:

The CONTRACTOR shall ensure that all policies of insurance are endorsed to read that there shall be no cancellation, material change, potential exhaustion of aggregate limits or intent not to renew insurance coverage(s) without sixty (60) days prior written notice from the CONTRACTOR or its insurer to the Idaho Transportation Department. CONTRACTOR shall further ensure that all policies of insurance are endorsed to read that any failure to comply with the reporting provisions of this insurance, except for the potential exhaustion of aggregate limits, shall not affect the coverage(s) provided to the State of Idaho, Transportation Department and its divisions, officers and employees.

10. Title VI Assurances

1) Application

These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piece work, station work or by subcontract.

2) Employment Lists, Labor Selection, Non-Discrimination

A local public employment agency has been designated by the State to prepare the employment lists for the project.

All qualified unskilled labor shall be employed insofar as possible from lists furnished the contractor by the employment agency designated in the contract. The contractor may avail himself of the services of the employment agency for obtaining labor of the intermediate and skilled grade.

In the performance of this contract, within the limitations of Subsection 107.01 requiring employment of up to 95% Idaho residents, preference in employment shall be given to qualified honorably discharged Veterans of the United States Armed Forces.

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "Contractor"), agrees as follows:

3) Compliance with Regulations:

The Contractor shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the U.S. Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the "Regulations"), which are herein incorporated by reference and made a part of this contract.

4) Nondiscrimination:

The Contractor, with regard to the work performed during the contract, shall not discriminate on the grounds of race, color, religion, sex or national origin in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

5) Solicitations for Subcontracts, Including Procurements of Materials and Equipment:

In all solicitations, either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the Contractor, of the Contractor's obligations of this contract and Regulations relative to nondiscrimination on the grounds of race, color, religion, sex, or national origin.

6) Information and Reports:

The Contractor shall provide all information and reports required by Regulations and/or Directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the state of Idaho Transportation Department or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish this information, the Contractor shall so certify to the state of Idaho Transportation Department or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

7) Sanctions for Noncompliance:

In the event the Contractor is in noncompliance with the nondiscrimination provision of this contract, the state of Idaho Transportation Department shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

a. Withhold progress payments until it is determined that the contractor is found in compliance;

b. Suspend the contract, in whole or in part, until the contractor or subcontractor is found to be in compliance with no progress payment being made during this time and no time extension made;

c. Cancel or terminate the contract for cause;

d. Assess against the contractor's final payment on this contract or any progress payments on current or future Idaho projects an administrative remedy by reducing the final payment or future progress payment in an amount equal to 10% of this contract or $7,700, whichever is less.

8) Incorporation of the Provisions:

The Contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The Contractor shall take such action with respect to subcontractor or procurement as the state of Idaho Transportation Department or Federal Highway Administration may direct as a means of enforcing the provisions, including sanctions for noncompliance, provided, however, that in the event a Contractor becomes involved in, or is threatened with litigation with a subcontractor or supplier as a result of such direction, the Contractor may request the

state of Idaho Transportation Department to enter into such litigation to protect the interests of the State, and in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

11. Labor Provisions

The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount without discount or collection charges of any kind. Where checks are used for payment, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

No employee shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

Every employee on the work covered by this contract shall be permitted to lodge, board and trade where and with whom he elects and neither the contractor nor his agents nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

No individual shall be employed as a laborer on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams' trucks or other equipment from individuals. No such rental agreement or any charges for feed, gasoline, supplies or repairs on account of such agreement, shall cause any deduction from the wages accruing to any employee except as authorized by the regulations hereinbefore cited.

Requisition # K-000180
Project: CLARK FORK SAND
STORAGE BUILDING

INTENTION TO RESPOND

No Fax Cover Sheet Is Required

FAX BACK: 208 334-8824

Your assistance is requested. Please fax back immediately.

To: Idaho Transportation Department
Purchasing Section
PO Box 7129
Boise, Idaho 83707-1129

BID CLOSES ON: 6/7/06 @ 5:00 P.M. BID OPENS ON: 6/8/06 @ 11:00 AM

Please check all that apply

_____ Company intends to prepare and submit a proposal to the requisition listed above.

_____ Company does not plan to respond.

_____ Other Message/Comments: _____

_____

_____

Company Name _____

Individual/Owner's Name _____

Mailing Address _____

City_____ State_____ Zip_____

Contact Person _____
(Please Print)

Phone # _____ Fax # _____

B I D S C H E D U L E

Each Bid item shall be filled in completely by the Contractor in the bid schedule, by indicating total dollars and cents under Unit Price and Total Cost. All costs, including hourly rates, will be included here and will be fully burdened to include, but not limited to, wages, transportation, lodging, overhead, and per-diem. All figures shall be written in ink or typed. Penciled entries will not be accepted; bids will be considered irregular and rejected.

Requisition Number: K-000180

Contractor / Business Name: _____

"SP" ITEM NO.	UNIT	ITEM DESCRIPTION	UNIT PRICE	TOTAL AMOUNT BID
SP-1	**EA**	**Design and Construct a METAL Sand Storage Building at CLARK FORK**	**$ _____**	**$_____**

AWARD TO BE "ALL OR NONE"

This page MUST be returned with your BID Documents

IDAHO TRANSPORTATION DEPARTMENT
SIGNATURE PAGE

THIS PAGE MUST BE SIGNED WITH AN ORIGINAL SIGNATURE AND RETURNED WITH YOUR BID DOCUMENTS!!!

May 22, 2006

Idaho Transportation Department
Supply Services Purchasing Section
3311 West State Street
Boise, Idaho 83703

REQUISITION #: K-000180

The Idaho Transportation Department is seeking qualified bidders to furnish all materials, equipment and labor for: DESIGN AND CONSTRUCTION OF A METAL SAND STORAGE BUILDING, CLARK FORK, as per the specifications.

PUBLIC WORKS CONTRACTORS LICENSE #

_____

FEDERAL IDENTIFICATION #

_____

Company Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Contractors Signature/Authorized Signature:

_____

_____

Printed Signature

BY SIGNING, BIDDER ACKNOWLEDGES ITS RESPONSIBILITY FOR ANY ADDENDA THAT HAVE BEEN ISSUED FOR THIS SOLICITATION AND WILL COMPLY WITH ALL THE TERMS, CONDITIONS, AND SPECIFICATIONS OF THIS SOLICITATION.

THIS PAGE MUST BE SIGNED, WITH AN ORIGINAL SIGNATURE, AND RETURNED WITH YOUR BID DOCUMENTS!

B I D P R O P O S A L

TO: IDAHO TRANSPORTATION BOARD
Idaho Transportation Department
Division of Highways

In compliance with your invitation for bids to be received: **June 7, 2006, 2006 @ 5:00 P.M., and Opened on June 8, 2006 @ 11:00 A.M.** The undersigned certifies they have examined the location of work and/or materials sites, and has satisfied themselves as to the condition to be encountered, and that the plans, specifications, contract and method of payment for such work is understood. The undersigned hereby agrees to furnish all materials, equipment and labor for the **DESIGN AND CONSTRUCTION OF A METAL SAND STORAGE BUILDING, CLARK FORK** as directed at the designated areas, as per the specifications contained in Requisition Number K-000180.

On the acceptance of this bid for said work the undersigned will furnish the 100% Contract Performance and Payment Bonds with approved and sufficient surety within 10 days after the contract is presented for signature.

Accompanying this bid proposal is a Bid Bond or Cashier's Check in the amount of five percent (5%) of the total amount bid.
.
The bidder furthers agrees that if awarded the contract, work will be completed within **forty-five (45) calendar days** after authority to proceed has been given. In conformity with and subject to such extensions as may be authorized by the terms of "Determination and Extension of Contract Time," Subsection 108.06 of the said Standard Specifications

By signing this bid proposal (P-3, A, B or C), the bidder being duly sworn states that the firm, association or corporation to whom this contract is to be awarded has not by or through any of its officers, partners, owners or any other person associated therewith, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this highway project, and is not financially interested in or otherwise affiliated in a business way with any other bidder on this project.

B I D D E R 'S S I G N A T U R E S R E Q U I R E D

TO BE EXECUTED BY **C O R P O R A T E** CONTRACTORS

Date _____, 2006

Name, Address and Phone Number of
Corporation: _____

_____

_____
Phone Number

Idaho Public Works Contractors License Number _____

Incorporated under the laws of the State of _____

Name & Address of President _____

Name & Address of Secretary _____

Name & Address of Treasurer _____

SIGNATURE

_____
President, Vice President, etc…

State of _____, County of _____ss

On this _____ day of _____, in the year _____, before

me _____, personally appeared _____,
(Notary Public)
known or identified to me to be the President or Vice President or Secretary or Assistant Secretary, of the corporation that executed the instrument or the person who executed the instrument on behalf of said corporation, and acknowledged to me that such corporation executed the same.

_____

Notary Public for _____

Residing at _____

My Commission Expires on:

_____

P-3-A
Page 2 of 2

B I D D E R ‘S S I G N A T U R E S R E Q U I R E D

TO BE EXECUTED BY **P A R T N E R S H I P**

Date _____, 2006

Name, Address and Phone Number of Bidder:

_____

_____

_____
Phone Number

Idaho Public Works Contractors License Number_____

SIGNATURE:

_____ _____
(Name & Title, as “Partner”) Address

_____ _____
(Name & Title, as “Partner”) Address

_____ _____
(Name & Title, as “Partner”) Address

THIS MUST BE SIGNED BY AT LEAST ONE GENERAL PARTNER

State of _____, County of _____ss

On this _____ day of _____, in the year _____,

before me _____, personally appeared
(Notary Public)
_____, known or identified to me to be one

of the partners in the partnership of _____
(Partnership Name Signed to Instrument)

and the partner or one of the partners who subscribed said partnership name to the foregoing

instrument, and acknowledged to me that they executed the same in said partnership name.

_____

Notary Public For _____

Residing at _____

My Commission Expires on:

_____

P-3-B
Page 2 of 2

B I D D E R 'S S I G N A T U R E S R E Q U I R E D

TO BE EXECUTED BY **SOLE PROPRIETOR**

Date _____, 2006

Name, Address and Phone Number of Bidder:

_____

_____

_____
Phone Number

Idaho Public Works Contractors License Number_____

SIGNATURE:

_____ _____
(Name & Title, as "Owner") Address

_____ _____
(Name & Title, as "Owner") Address

State of _____ County of _____ss

On this _____ day of _____, in the year _____,

before me _____, personally appeared
(Notary Public)

_____, known or identified to me to be the

person whose name is subscribed to the within instrument, and acknowledged to me that

_____ executed the same.
(he/she/they)

_____

Notary Public For _____

Residing at _____

My Commission Expires on:

_____

P-3-C
Page 2 of 2

DOMICILE

PREFERENCE FOR IDAHO DOMICILED CONTRACTORS ON PUBLIC WORKS (Idaho Code 67-2348 - Effective July 1, 1982). To the extent permitted by federal laws and regulations, whenever the State of Idaho, or any department, division, bureau or agency thereof, or any city, county, school district, irrigation district, drainage district, sewer district, highway district, good road district, fire district, flood district, or other public body, shall let for bid any contract for bid any contract to a contractor for any public works, the contractor domiciled outside the boundaries of Idaho shall be required, in order to be successful, to submit a bid the same percent less than the lowest bid submitted by a responsible contractor domiciled in Idaho as would be required for such an Idaho domiciled contractor to succeed over the bidding contractor domiciled outside Idaho on a like contract being let in his domiciliary state.

If the bidder is unsure of where their business is domiciled, the following "rule of thumb" may help!

1) Corporation: Domiciled where chartered.

2) Sole Proprietor: Domiciled where permanent headquarters of business located.

3) Partnership: Domiciled where permanent headquarters of business located.

COMPANY NAME: _____

STATE OF DOMICILE: _____

NOTE: THIS PAGE MUST BE RETURNED WITH YOUR BID!!!!

SUBCONTRACT REQUIREMENTS

PLUMBING, ELECTRICAL, HEATING & AIR-CONDITIONING WORK ONLY

1. If the contractor intends to subcontract plumbing, heating, air-conditioning or electrical work, they must complete this form, giving the name, address, and Public Works Contractors License Number, for any and all Subcontractors who shall, in the event the Contractor secures the contract and subcontracts the plumbing, electrical, heating or air-conditioning work under the contract. Failure to complete this form as required shall render any such bid submitted by a contractor non-responsive and void.

2. Contractors not intending to subcontract any such work named in the preceding paragraph shall leave the appropriate spaces below blank or indicated by writing in the "work shall be" **none.**

3. Subcontractors named in accordance with the provisions of Paragraph 1 must possess an appropriate Idaho Public Works Contractors License issued by the State of Idaho Public Works Contractors State License Board covering the contract work classification in which the subcontractors is named.

4. The following are the names, addresses, and Public Works Contractors License Numbers, who shall do the following designated specialty, work under the prime and/or general contract should I/we be award the prime or general contract:

   a. Subcontractor for the **Plumbing** work shall be:

   _____, Residing at

   _____, Whose Idaho Public Works

   Contractor's License # is _____

   b. Subcontractor for the **Electrical** work shall be:

   _____, Residing at

   _____, Whose Idaho Public Works

   Contractor's License # is _____

   c. Subcontractor for the **HVAC** work shall be:

   _____, Residing at

   _____, Whose Idaho Public Works

   Contractor's License # is _____

NOTE: THIS PAGE MUST BE RETURNED WITH YOUR BID DOCUMENTS!

CONTRACTOR'S AFFIDAVIT

CONCERNING ALCOHOL AND DRUG-FREE WORKPLACE

STATE OF _____

COUNTY OF _____

The undersigned being duly sworn upon oath, deposes and says that

_____ complies with the provisions of Section 72-1717 Idaho
(Contractor Name)

Code (Drug Free Workplace program); that _____ provides a
(Contractor Name)

drug-free workplace program that complies with the provisions of Idaho Code, title 72,

chapter 17 and will maintain such program throughout the life of a state construction contract

and that _____ shall subcontract work only to subcontractors meeting
(Contractor Name)

the requirements of Idaho Code, section 72-1717(1)(a).

_____
Name of Contractor

_____
Address

_____
City and State

By: _____
(Signature)

Subscribed and sworn to before me this _____ day of _____, _____.

Commission expires:

_____
NOTARY PUBLIC, residing at

_____

_____

THIS PAGE MUST BE RETURNED WITH YOUR BID DOCUMENTS

BIDDERS RESPONSIBILITY PAGE

PLEASE NOTE: The following documents, IF APPLICABLE TO YOUR BID, must be returned to the Idaho Transportation Department Purchasing Section to allow your bid to be considered.

1.) **Idaho Employer Alcohol and Drug-Free Workplace Act State Construction Contracts - EFFECTIVE: January 1, 2005. Idaho Code, Section 72-1717, the following document is required on ALL State Construction or Improvement of Public Property or Publicly Owned Buildings.**

- **Affidavit of Alcohol and Drug Free Workplace Program**

2.) **"Signature Page"**
- Public Works License Number must be inserted
- Page must be signed with an original signature

3.) Bid Response
- Individual, Partnership, or Corporation
- One of three, depending upon company structure, MUST be completed, signed and notarized

4.) Bidder must complete Bid Schedule

5.) Bidder must complete Domicile Form

6.) Subcontractor form SC-1 – **as required per specifications**

7.) A 5% Bidders Bond or Cashier's Check

8.) **All Addenda** Must be Signed and returned with your Bid Documents.
It is the Bidder's responsibility to verify if an addendum was issued.

9.) **ALL BIDS** must be submitted in a sealed enveloped with the Requisition Number, Bid Open Date, and Project Name clearly marked on the outside of the envelope.

10.) **NO BID ADJUSTMENTS WILL BE ACCEPTED:** Any changes made to a bid must be submitted as a separate bid and all rules remain in effect. ALL REQUIRED paperwork must be re-submitted.

11.) **PUBLIC WORKS LICENSE REQUIRED:** - Public Works Contractors License Board – Phone # (208) 332-8968. http://www2.idaho.gov/dbs

12.) **WORKERS' COMPENSATION INSURANCE:** - Per Idaho Code 72-216. Proof of said insurance must be provided by successful Bidder before Contract(s) are executed. – It shall be the Contractors responsibility to request, each year, a current certificate of insurance is sent to the Agency. Non-Compliance will result in the forfeiture of Contract and all Bonds.

13.) **GENERAL AND AUTOMOBILE LIABILITY INSURANCE:** - Proof of said insurance must be provided by successful Bidder before Contract(s) are executed. Non-Compliance will result in the forfeiture of Awarded Contract and all Bonds.

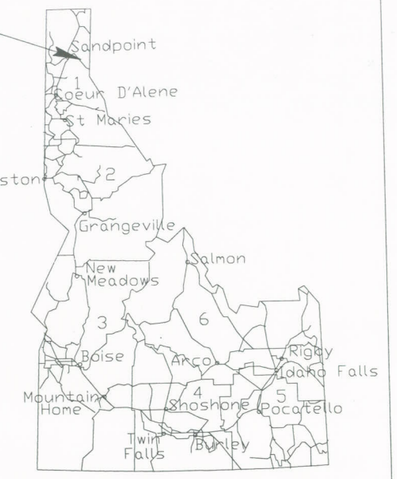
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ARCHITECTURAL DRAWINGS
3 & 4	ELECTRICAL PLANS

IDAHO TRANSPORTATION DEPARTMENT

PLAN AND PROFILE OF PROPOSED

BUILDING NO. 1070
KEY NO.
BONNER COUNTY

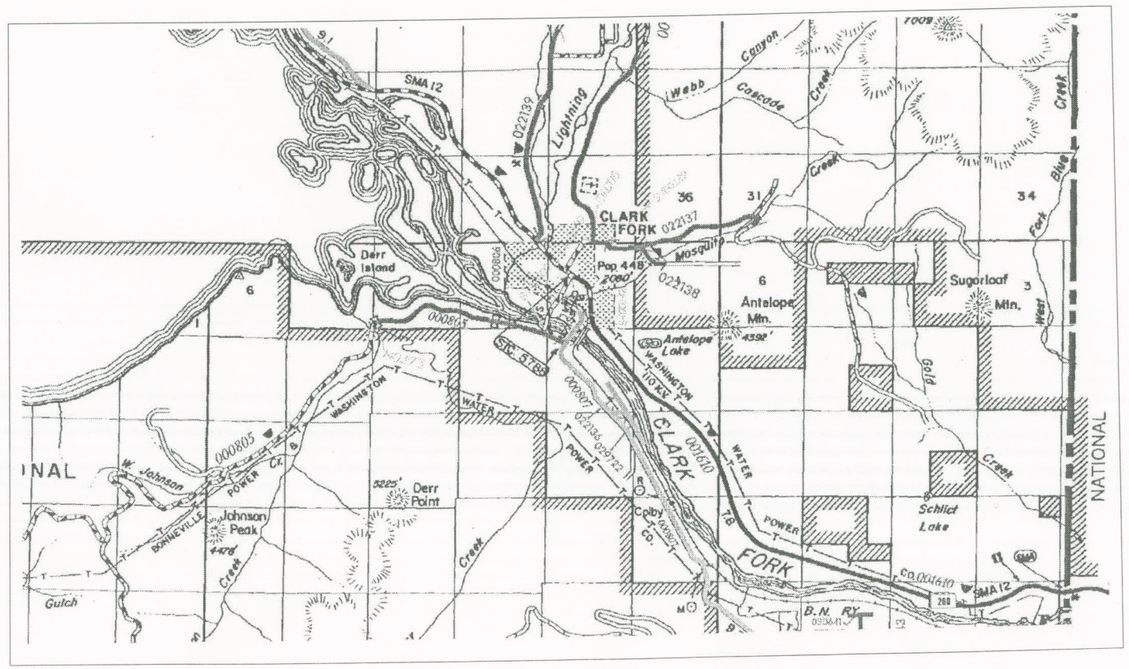
CLARKFORK SAND SHED
BUILDING NO. 1070
SH-200, M.P. 54.825
SEGMENT CODE 001611

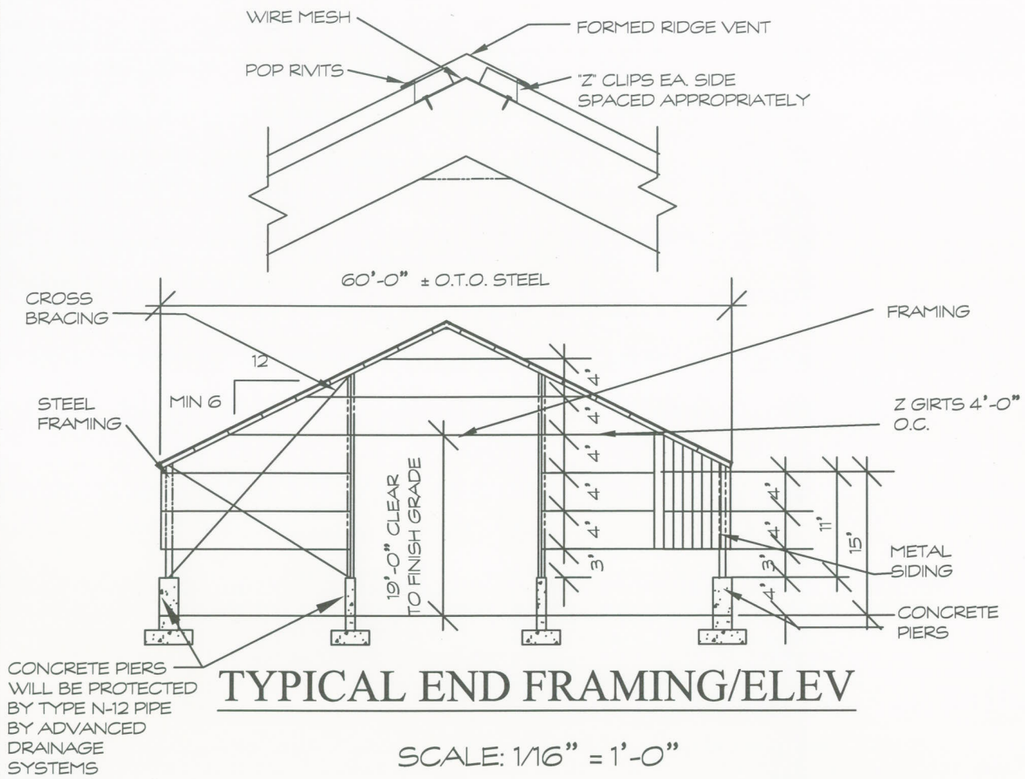


SCALES IN FEET

HORIZONTAL 0 FEET

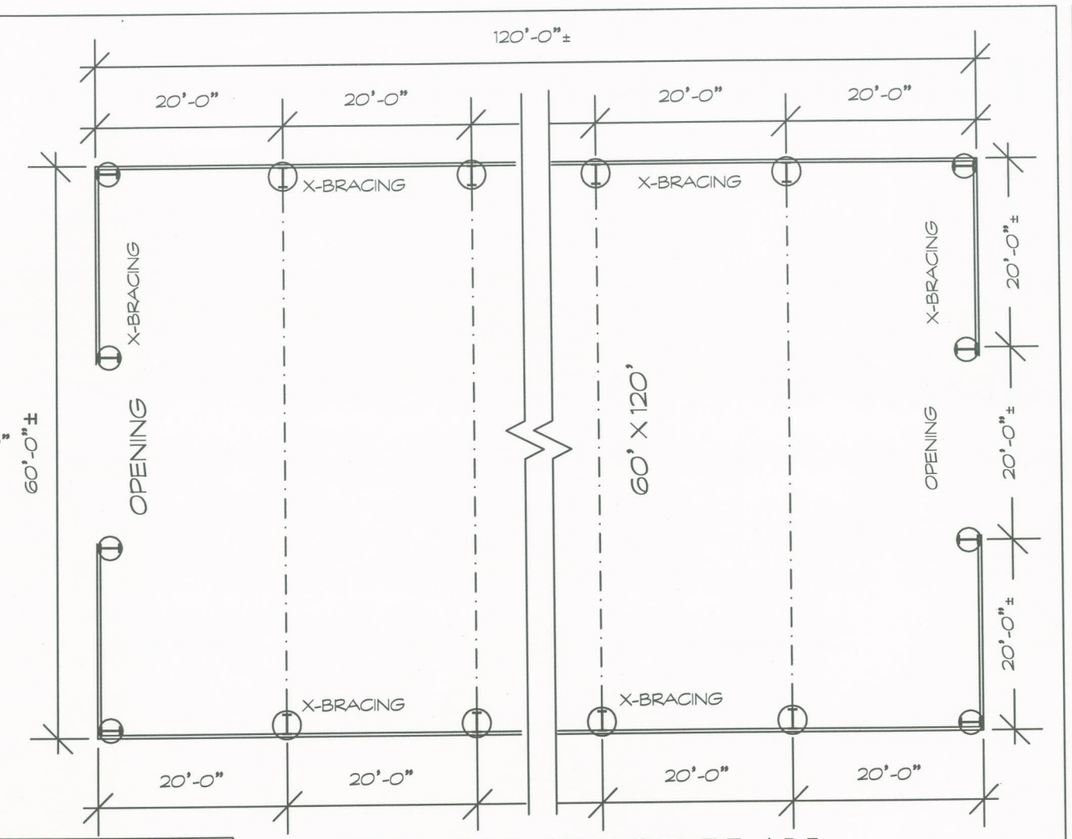
VERTICAL 0 FEET





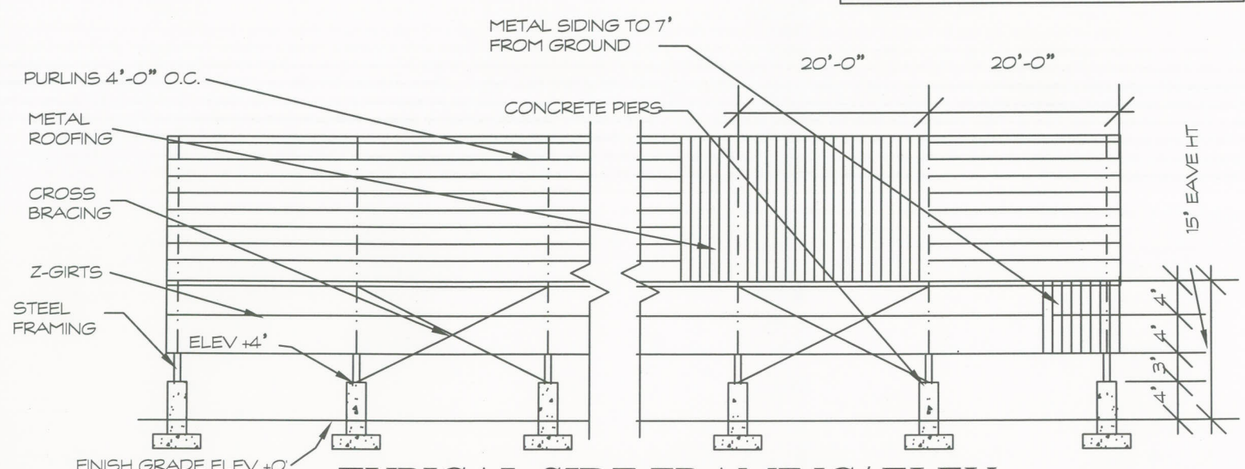
TYPICAL END FRAMING/ELEV

SCALE: 1/16" = 1'-0"



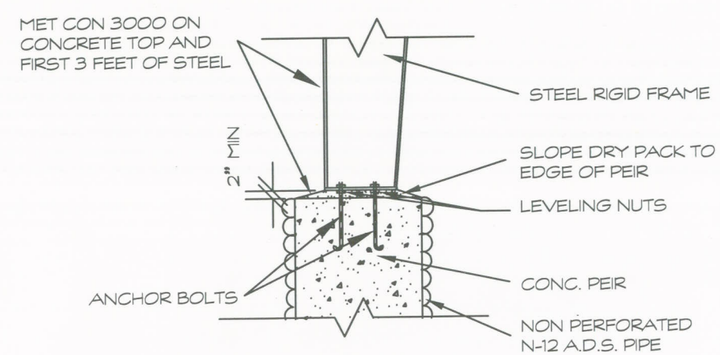
TYPICAL FLOOR PLAN

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR ENGINEERING DESIGNS OF FOOTINGS & STRUCTURE



TYPICAL SIDE FRAMING/ ELEV

SCALE: 1/16" = 1'-0"



DETAIL FOOTING/COLUMN

SNOWLOAD WILL BE 60 # PSI GROUND
WIND LOAD FOR A 3 SEC GUST IS 90 MPH

NO	REVISIONS	DATE

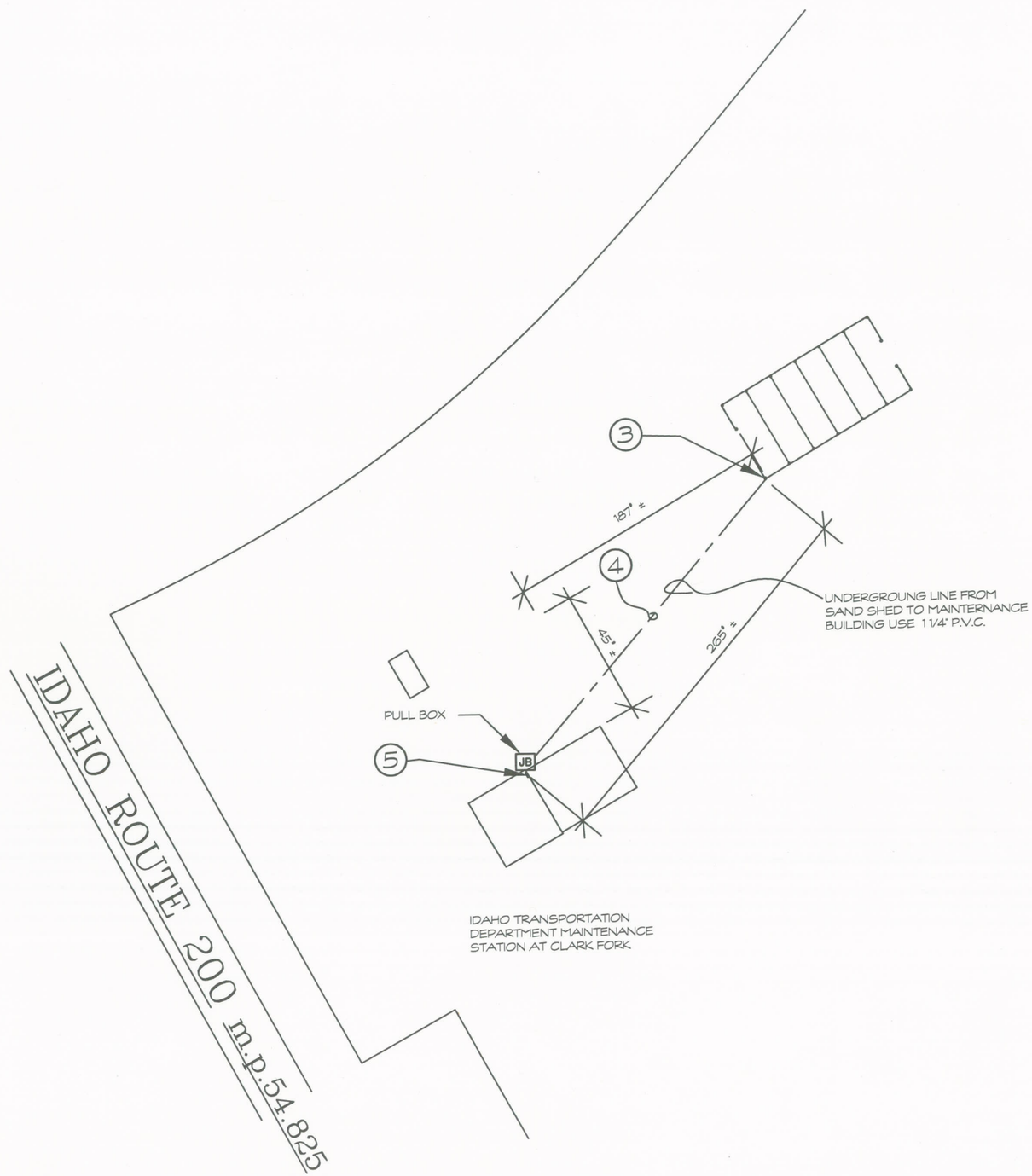
CLARK FORK SAND SHED
BUILDING NO. 1070

COUNTY BONNER

STATE OF IDAHO
TRANSPORTATION DEPARTMENT
DIVISION OF HIGHWAYS

BOISE IDAHO

DRAWN ROBERT
DATE 5/9/06
CHECKED DRB
JOB NO
SHEET 2
APPROVED



SCALES SHOWN ARE FOR 11" x 17" PRINTS ONLY

NO	REVISIONS	DATE

CLARK FORK SAND SHED
BUILDING NO. 1070
ELECTRICAL SITE

BONNER COUNTY

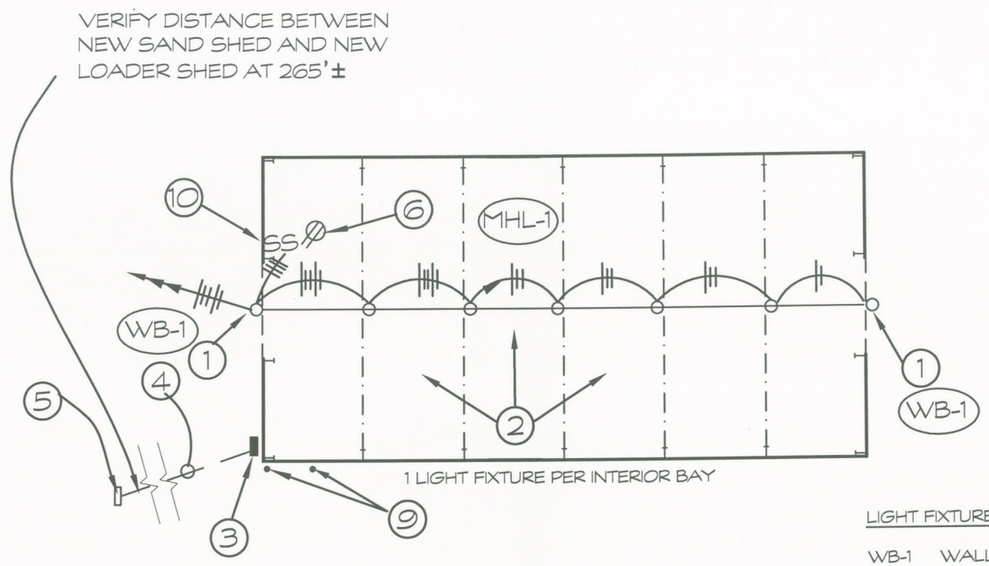
STATE OF IDAHO
TRANSPORTATION DEPARTMENT
DIVISION OF HIGHWAYS

BOISE IDAHO

DRAWN ROBERT
DATE 5/9/06
CHECKED DRB
JOB NO
SHEET 3
APPROVED

KEYED NOTES:

1. MOUNT AT PEAK
2. MOUNT ADJACENT TO STRUCTURAL BENT - AS HIGH AS POSSIBLE.
3. NEW PANEL SSA WITH PHOTOCELL ABOVE AND GFCI/WP RECEPTACLE ADJACENT AT 4'-0". THE PHOTOCELL SHALL CONTROL CIRCUIT SS-6 FOR THE TYPE WB-1 FIXTURES.
4. RUN (3)-#4 THHN CU-1 1/4" PVC UNDERGROUND TO JUNCTION BOX FROM THE JUNCTION BOX USE 1 1/4" IMC OR RG TO THE NEW BREAKER IN EXISTING MAINTENANCE BUILDING PANEL
5. EXISTING BRANCH PANEL - INSTALL A 70/2 BREAKER IN THE EXISTING BRANCH PANEL - VERIFY BRAND, MODEL, BUS REQUIREMENTS, ETC. PRIOR TO BIDDING - LABEL THE NEW BREAKER WITH AN ENGRAVED PHENOLIC, BOLTED-ON LABEL.
6. GFCI/WP RECEPTACLE - COVER RATED: "WEATHERPROOF WHILE IN USE".
7. BOND GROUNDING SYSTEM TO BUILDING STEEL WITH (1)-#4 BC IN 1/2" P.V.C.
8. SEPERATE GROUNDING CONDUCTORS: (1)-#4 BC IN 1/2" PVC.
9. 5/8" X 8'-0" COPPER COATED STEEL GROUND RODS. PLACE AT LEAST 10'-0" APART, ADJACENT TO BUILDING, WITH THE WIRE TO ROD CLAMP VISIBLE.
10. HUBBEL NO. HBL 1201 SWITCH WITH NO. 7420- MOUNT ON CHANNEL OF OPENING
11. WEATHER PROOF JUNCTION BOX



ELECTRICAL PLAN

GENERAL NOTES:

A. ALL BRANCH CIRCUIT WIRING SHALL BE COPPER THHN/THWN IN RGS OR IMC RUN EXPOSED ON WALLS AND CEILING.

B. EACH RACEWAY SHALL CONTAIN A GREEN INSULATED COPPER GROUND CONDUCTOR - SIZED PER N.E.C.

C. PROVIDE A TYPEWRITTEN CIRCUIT DIRECTORY IN THE BRANCH PANEL.

D. RECEPTACLE: HUBBEL NO. GF5362 OR APPROVED EQUAL

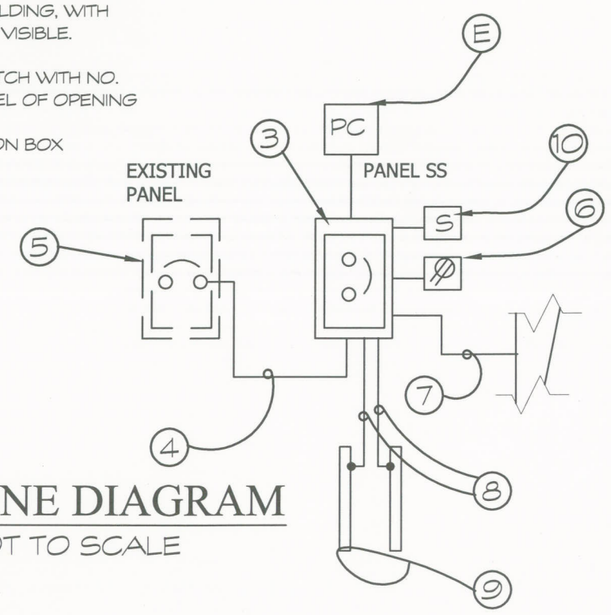
E. PHOTOCELL: INTERMATIC NO. K4221 - MOUNT ON CAST W/P BOX ON ROOF - FACE NORTH

LIGHT FIXTURES:

WB-1 WALL BRACKET: 150 WATT HIGH PRESSURE SODIUM LAMP, PRISMATIC GLASS REFRACTOR, WIRE GUARD; DESIGN BASIS LITHONIA NO. TWH 150S 120 TWHWG U (INCLUDING LAMP); APPROVED MANUFACTURES: GENERAL ELECTRIC, HOLOPHANE, LUMARK.

MHL-1 LOW BAY, METAL HALIDE, 250 WATT LAMP, ACRYLIC PRISMATIC DIFFUSER WITH WIRE GUARD; CORD AND PLUG, WITH L5-15P RECEPTACLE; DESIGN BASIS: LITHONIA NO. TXS 250M A30 120 LC3P/L5-15P WG (INCLUDING LAMP); APPROVED MANUFACTURES: GENERAL ELECTRIC, HUBBELL, LUMARK.

SCALES SHOWN ARE FOR 11"x 17" PRINTS ONLY



ONE LINE DIAGRAM

NOT TO SCALE

PANEL SS

TYPE: LOAD CENTER
VOLTAGE: 120/240 VOLTS, SINGLE-PHASE
MAIN: 70/2 BREAKER
BUSSES: 100 AMP
BUS TYPE: COPPER OR TIN PLATED ALUMINUM
CABINET: NEMA 3R
MOUNTING: SURFACE
LABEL: BOLTED TO INTERIOR TRIM
EQUIPMENT GROUND BUS: BOLTED TO CABINET

REMARKS	CONNECTED LOADS: POWER	C.O.	LIGHT	BRKR. AMP	P.	CCT NO.	PHASE LOADS A	B	CCT NO.	P.	BRKR. AMP	CONNECTED LOADS: LIGHT	C.O.	POWER	REMARKS
BUSSED SPACE (PFB)	-	-	-	-	1	1	8		2	1	20	8.0	-	-	-
BUSSED SPACE (PFB)	-	-	-	-	1	3		8	4	1	20	8.0	-	-	-
BUSSED SPACE (PFB)	-	-	-	-	1	5	3.6		6	1	20	3.6	-	-	-
BUSSED SPACE (PFB)	-	-	-	-	1	7		1.5	8	1	20	-	- 1.5	-	-
BUSSED SPACE (PFB)	-	-	-	-	1	9	0		10	1	20	-	-	-	- SPARE
BUSSED SPACE (PFB)	-	-	-	-	1	11		0	12	1	20	-	-	-	- SPARE

CONNECTED LOADS: LIGHTS: 9.8 AMPS
RECEPTICLES: 0.8 AMPS
POWER: 0.0 AMPS

(11.6 9.5) AMPS

TOTAL CONNECTED LOAD: 10.6 AMPS
2.5 KVA

NO	REVISIONS	DATE

CLARK FORK SAND SHED BUILDING NO. 1070 ELECTRICAL

BONNER COUNTY

STATE OF IDAHO TRANSPORTATION DEPARTMENT DIVISION OF HIGHWAYS

BOISE IDAHO

DRAWN ROBERT
DATE 5/9/06
CHECKED DRB
JOB NO
SHEET 4
APPROVED

SAND SHED
POSSIBLE INTEREST
-BIDDERS LIST-

AS OF 10/05

JORDAN CONSTRUCTION 7187 HAPPY VALLEY RD KUNA ID 83634 208 465 4848	KIGGINS CONCRETE 3610 HWY 30 W POCATELLO ID 83201 208 232 2790	COVERALL BLDG SYSTEMS 2674 DEERFIELD EAGLE ID 83616 208 794-4096 208 939 9122
COUGIT CONSTRUCTION 5446 N HWY 16 EAGLE ID 83616 208 286 0246 208 286 0157	REINCO INC PO BOX 116 PAYETTE ID 83661 208 642-1122	MCALVAIN CONSTRUCTION 5559 W GOWEN RD BOISE ID 83709 208 362 2125 208 362 4356
GAFFORD CONSTRUCTION 1365 N ORCHARD STE 101 BOISE ID 83706 208 322 4773 208 322 8240	SE/Z CONSTRUCTION LLC 5471 S HEYREND DR IDAHO FALLS ID 83402 208 528 9449 208 528 2316 neil_schafer@sezconstruction.com	MARVEL CONSTRUCTION PO BOX F LEWISTON ID 83501 208 743 2553 208 743 2553
RIVERS WEST CONST LLC 807 LINDSAY BLVD IDAHO FALLS ID 83402 208 522 4758 208 522 4763	REIBER-BODELL CONSTRUCTION CO INC 5340 MOMONT RD MISSOULA, MT 59808	HARRIS INC 4555 BURLEY POCATELLO ID 83202 208-237-0575 208-237-0520