NEOH Construction Project
Bidder's Questions & Responses Set MASTER

Date/Time	Question/Issue	Response
Mon 4/24/2006 6:47 PM	Section 01400-1.3.B.6 states that the Contractor shall take, cure and transport the cylinders to the lab for testing. Section 03300-1.4.C states that the lab will do this. Similar conflict between 01400-1.2.A.1 (Owner selects lab) and 02200-1.4A (Contractor selects lab). We would prefer that the Owner selects and pays for the lab.	1) Section 03300-1.4.B & C: Change "*Testing firm*" to read "*Contractor*". 2) Section 01400-1.2.A: Change to read *"A. Testing Laboratory and Independent Construction Inspector* *1. Owner will select and direct an independent construction inspector to monitor/perform inspection and testing services described in this Section. The independent construction inspector will work solely at the direction of the Engineer for Owner's own Quality Assurance program.* *2. Contractor will select testing laboratory (Testing Lab) to perform inspection and testing services as described in this Section. The Contractor shall include the cost in the price proposal to provide his own testing services program. An allowance of $10,000 shall be included in the Contractor's bid to cover any Engineer required testing above those expected of the Contractor. At the end of the project during the final acceptance period, any remaining amount from this allowance will be deducted from the contract amount."* 2) Replace SECTION 01400, QUALITY CONTROL, paragraph 1.2 with the attached 01400-Quality Control Erratum in Response Set #6. (Ignore Mon 4/24/2006 6:47 PM response #2 given in Set #1)
Tue 4/25/2006 9:35 AM	Would you consider a delay in the bid date? One week would be great. Thought I'd float that out for tomorrow's meeting.	Bid date changed to May 22, 2006. See M Shonk Tue 5/2/2006 11:09 AM message.
Wed 4/26/2006 11:35 AM	1) Please provide a spec section for the hollow core plank for Lostine and the sectional rollup doors for the residences and the Vehicle Parking Structure @ Imnaha. 2) Please provide a spec/mix design for the 3/4" topping shown on Dwg. S10 for Lostine.	1.1) Specifications forwarded separately as Amendment #1. (See Shonk Wed 5/10/2006 5:15 PM message) 1.2) For Lostine residence and Imnaha garage doors – refer to Lostine Sheet A28 Windows & Doors item 5. 2) Additional concrete specification information is attached.
Thu 4/27/2006 9:43 AM Imnaha	1) The Sedimentation Pond is the only structure shown to have waterstop in the CJ's. The other structures appear to have water on both sides of the walls, and is not required (Intake - submerged, Acclimation Pond - pressure reliefs in slab). Please confirm. 2) Dwg. S7, Det. 1 - assume all handrail is galvanized.	1) Waterstops shall be in all control joints for the Sedimentation, Acclimation Pond, and intake structures. 2) That is correct, unless noted otherwise.
Thu 4/27/2006 3:03 PM	Dwg. S-17 calls for roof sheathing to be 5/8" @ lower roof, 3/4" @ upper roof. S-19 calls for 19/32" @ both areas.	The upper roof sheathing shall be 3/4" (nominal) or 23/32" minimum. The lower roof sheathing shall be 5/8" (nominal) or 19/32" minimum.

Landscape Addendum	Sheet L3	Groundcover Fragaria vesca/Wild Strawberry quantity should read *144* instead of 323 and Seed Mix Erosion Control quantity should read *8,800 S.F.* instead of 10,438 S.F.
Tue 5/2/2006 2:51 PM	1) Dwg. S-15 - need depth of continuous footings and depth and size of column footings. 2) Please provide a detail for the sidewalks. 3) Dwg. S-11 - no details are given for the overbuild on the roof. 4) Please provide details for the welding of the steel decking. 5) Section 07100 Damproofing - where is this to be used? Haven't seen any callouts on the plans. 6) Dwg. S-13 Detail 1 - not sure if this detail is right. Either the masonry should extend up to the bottom of the roof deck or a louver should be shown where the steel studs are. If a louver is there, what supports the outriggers?	1) Unless noted otherwise, all footings shall be 12" thick For columns, see Detail 3/GS-4 for the reinforcement. Footing is 2 feet square by 12 inches thick. 2) Sidewalks shall be 4 feet wide except for access sidewalk to the hatchery formalin room which is 6 feet wide. Concrete shall be 4 inches thick with a NO. 4 wire mesh placed at the center of the concrete slab. All sidewalks shall be placed over a 2 inch thick ¾ inch minus gravel base placed over compacted sub-grade. Sidewalk concrete shall be 3000 psi mix design. 3) See attached clarification sketch for additional information. 4) The steel roof deck shall be 1½" deep x 18 gauge type "HSB-36" with 3-span condition. Provide (7) 1½" diameter top seam puddle welds per panel at each support and 1½" top seam welds at 12" o.c. at side lap attachment per manufacturer's instructions. 5) Per Specification 07100: 1.1.B. - the work includes, but is not limited to, below grade concrete walls. 6) See attached clarification sketch for additional information and revised detail 1/S13.
Thu 5/4/2006 12:25 PM	1) The specs have a section for Traffic Guardrail (02451) and Roadway Signing (02520). Don't see any work in the plans for these. Please confirm. 2) Dwg. GA2, Door Schedule - the specs don't have a hardware Group 16 or 20. We have assumed Group 10 for 16, and Group 11 for 20. Please confirm. 3) Dwg. GA3, Door Schedule - Hardware Group 6 is for double doors. We are assuming Group 10 for Doors 203A, 203B and 203E. Please confirm. 4) Dwg. A8, Elevation 1 - Who is to supply the dishwasher? 5) Dwg. A8, Elevation 11 - Please provide a detail/model for the boot rack. 6) Dwg. L5, Para. 3.06C.1 - is 30 lbs./1000 sf correct? 7) Dwg. A18/M29 - Please provide a detail for the work stations.	1) We have no Traffic Guardrail or Roadway Signing on the project. 2) We are missing HW groups 16 and 20 from the spec. See attached PDF for these HW groups. 3) This assumption is correct. Use HW-10 for doors D-203A, B and E. 4) Contractor will supply dishwasher. Similar to Appliances/Equipment D. Sheet A28 5) Use GOF Ltd., Model VZ 9/10 (3 units) for the boot rack/bench. 6) Fertilizer shall be applied to sub-grade and planting soils per the required soil testing defined in Drawing L-5, Para. 2.01A and 2.02B. The fertilizer requirements defined in Drawing L-5, Para. 2.04A and Para. 3.06C.1 shall be deleted in their entirety. 7) Owner Furnished

Mon 5/8/2006 10:33 AM Imnaha	Dwg. M7, Section C - what is the spacing of the bent plate under the rail?	The bent plate should be 24 inches on center.
Mon 5/8/2006 1:17 PM	The pipe schedule on Dwg. GM1 specifies to use PVC for the OF piping. Note 13 states that under concrete floors it shall be ferrous metal. In Section B, Dwg. M18, a PVC coupling is shown at floor level. At this location, is the coupling a transition between buried steel pipe and a PVC standpipe, or is the buried pipe PVC?	The coupling is a transition between buried steel and the PVC standpipe.
Mon 5/8/2006 4:13 PM	1. Sheet M21; What is pipe type for following: Chiller Fluid Cooler Heat Exchnager Chiller Water 2. Sheet M22; Detail C, Detail B & Sh M23; Detail A - Some mats. are noted as DI, but this material is not listed in pipe Sched (GM1). Which is correct? 3. Sheet M23; Detail C; 30" line is noted as (RD). Should this be (SW)? 4. MJ Fittings; 15060-2.3.E; Can we use C153 fittings? 5. 15060-2.7.A; Can we use standard steel pipe sizes when epoxy lining is required, for 14" dia and larger? (Steel pipe sizes change from ID to OD measurement between 12" and 14") 6. Will you have a Davis Bacon wage rate decision for this prioject?	1) Insulated and jacketed schedule 40 PVC pipe for the Chiller, Fluid Cooler, Heat Exchanger and Water Chiller 2) Where DI piping and fittings are shown this can be either DI or steel. For DI piping use pipe group 5 in the pipe schedule. For steel use pipe group 1 for the smaller pipe and pipe group 4 for the larger. 3) The 20" RD should be 20" RO 4) C153 fittings are acceptable 5) Standard Steel Sizes are acceptable 6) Yes – Contracting Officer's Representative spoke with the Dept. of Labor in Washington DC. What she stated is that we (BPA) only need to provide the wage determinations and if there are further questions, they need to contact the DOL-Wage & Hour Division. The office is located in Portland and the phone number is 503-326-3057 and website is www.wdol.gov COR recommends contacting the office above for any questions regarding which determination to use.
Tue 5/9/2006 7:48 AM	With regards to the Obermeyer gate, is there no technical specification associated with the system. My concern is that if we have a contract for the project there is no specifications to adhere to the contract with OHI. Please advise.	The Obermeyer Gate will be designed and furnished through the contractor by Obermeyer and we are only to specifying the site design criteria. We have specified the sill elevation, dimensions of the desired weir (width and height), and the type of material the gates need to be. The vendor has specific specifications for their product. By this response, we are also requesting that the contractor request the standard warranty, have operational assistance included in their price and state the expected operation life along with maintenance requirements

Tue 5/9/2006 8:48 AM	Dwg. M29 - who supplies the freezer shown?	Contractor
Tue 5/9/2006 10:22 AM	1) Dwg. M29 - the table calls for the carcass racks to be stainless. Dwg. M35 says aluminum. 2) Dwg. M33, Fish Lift Plan - who furnishes the stairs/platforms and the aluminum flume around the sorting table? No details are given. 3) Dwg. M36 - how does the v-trap install? No anchors or embedded guides are shown. 4) Dwg. M-38 - no details are given for the brail floor.	1) The carcass rack should be aluminum. Revised table on Drawing M-29 to read aluminum material for the carcass rack. 2) The stairs, platform, and aluminum flume will be provided by the Owner and installed by the Contractor. 3) The v-trap will be installed in embedded steel guides in the concrete walls. See attached detail for location and embedded guide details. 4) Brail floor is shown on Drawing M-33, Detail 2.
Tue 5/9/2006 6:54 PM	Dwg. S38 - please provide the ODOT standard drawing number for the steel bridge curb.	The ODOT standard drawing number is BR206, Standard 2 Tube Curb Mount Rail, Sheets 1 and 2. (See attached). Provide only the 2 Tube Curb Mount Rail. Guardrail approaches to each side of crossing are not required.

Wed 5/10/2006 10:05 AM	1) On the Pipe Schedule on drawing GM1, the fittings for pipe system 10, 11, and 12 call for DI AWWA C110, can AWWA C153 fittings be also used?	1) Yes
	2) On drawing C6, a 4" irrigation line is shown extending from the intake, but it is not shown elsewhere. Where does it go to and who is to install it?	2) The 4" irrigation line extends from the intake to the end of the gravel access road as shown on the attached site plan. Install two frost free hydrants at the approximate locations shown. The hydrant locations shall be confirmed by the Owner's Representative in the field.
	3) Drawing C5 show a 4" Sanitary Sewer going from the hatchery building and then it goes under the utility building. It also looks like a box is in the parking area. Please clarify what is needed for a sanitary sewer from the hatchery building to the drain field near the utility building.	3) A 4-inch-diameter sanitary sewer line extends from the hatchery building north to the septic drain field. The septic line is routed under the utility building where the drains from the utility building are picked up and included. The 4 inch line enters the septic tank located on the north side of the utility building.
	4) What size and type of vaults are needed for the Oxygen system?	4) TBD
	5) The oil water separator on C3 and referred to on GM4, does show a size or the type of tank. Please let us know what type and size of tank is needed and the pipe diameters in and out of the tank.	5) Change callout on Drawing C-3 and C-4 from GM-4 to GC-3. The oil-water separator is a 1500 gallon capacity, two cell design as illustrated on Drawing GC-3. For the hatchery building oil-water separator called out on Drawing C-3, the pipe diameter in shall be 6 inch. Pipe diameter out shall be 8 inch. For the oil-water separator shown on Drawing C-4, pipe diameter in and our shall be 12 inch.
	6) Are there curbs, sidewalks, and slabs shown on C2, C3, and C4? E.g. are there curbs and sidewalk around the parking area? Are there curbs at the top of the retaining walls surrounding the hatchery building? Is there a concrete slab south of the clarifier? Please Clarify.	6) a. There are sidewalks around the perimeter of the hatchery and utility buildings as shown on Drawings C3 and C4. There are also sidewalks at the residences. There are no other sidewalks on the project. b. There is a curb around the parking area, but no sidewalk. c. Provide a 6 inch high curb on top of the retaining wall around the hatchery building. d. There is no concrete slab on the south side of the clarifier. e. There are concrete slabs located on the north side of the utility building for the pre-manufactured chemical storage building, fuel storage, water cooler and water chiller. Sizes are as shown on Drawing C4. Concrete pads shall be 12 inches thick with #5 bars EW EF.
	7) Is there a plan sheet M46? Can we get a copy of it?	7) There is no sheet M46 – Drawing index is in error.
	8) What diameter are the pipe vent materials (shown on drawing C5) detailed on GC1?	8) Vents for the 30-inch diameter water supply pipeline shall be 6-inch-diameter steel pipe. Paint the steel pipe as per specification section 09800.

Wed 5/10/2006 10:05 AM Imnaha	1) A storm system is shown On drawing C3. Is the entire storm system 12" diameter pipe? What type of pipe is needed? What is needed for the outfall of the storm drain and the penetration of the concrete wall? Please clarify.	The storm drain pipe shall be PVC. Route the storm drain into the auxiliary water supply box as shown on the attached drawing. Provide a flap gate on the outside of the wall to prevent backflow from the river into the storm drain system.
Wed 5/10/2006 1:40 PM	What is the status of the building permits? Have the plans been submitted for plan check review? Responsibility for payment vs. submittal status? Do the area jurisdictions have any control vs. federal ownership?	The contractor is responsible for applying for building permit. Plans have not been submitted for plan check review. www.cbs.state.or.us/external/bcd/ . The county defaults to the state building code.
Wed 5/10/2006 3:50 PM	1) WHAT IS THE SHEATHING ? THE ONLY SHEATHING I CAN FIND IS PLYWOOD AND I HAVE NEVER SEEN PLYWOOD ON Q DECK BEFORE . I HAVE SEEN DENS DEK WHICH IS A TYPE OF SHEET ROCK? (THIS IS ON THE HATCHERY BUILDING ONLY) 2) WHAT TYPE OF VAPOR RETARDER ? SOME CAN GET COSTLY SOME ARE JUST 10 MIL VYSQUEEN?	1) Sheathing: 1/2" Structural I Rated sheathing, EXP 1. 2) Vapor Retarder: Similar to Griffolyn, Type 90-FR.
Fri 5/12/2006 8:20 AM	1) Dwg. M16 - ball valves are shown to be PVC. Section 15100, 2.3.A calls for stainless. Please clarify. 2) Dwg. M22, Det. D and Dwg. M24, Det. A - size for thru wall pipe spool and butterfly valve is not shown. 3) Dwg. M24, Det. F - below grade pipe is shown to be PVC. Specs call for steel. Please clarify. 4) Section 09900 2.4B - paint system requires exposed PVC pipe to be painted. A painting sub says they have never painted PVC inside a building like the Hatchery Building. Please confirm that this is really the intent. 5) Please provide a spec for the aluminum handrail.	1) PVC valves are fine for formalin system 2) 6 or 8 inch would be fine. 3) It should be steel or ductile iron 4) PVC gets System 3 as specified. 5) Specification provided separately.
Fri 5/12/2006 11:46 AM	1) Section 07200, 2.1.E - don't see this material being used anywhere. Please confirm.	Due to the miss-lettering on the insulation items and the fact that we are not using this material, it appears that we inadvertently left this in.
Mon 5/15/2006 4:47 PM Imnaha	1) Who is the manufacturer of the imitation rock enclosure " hot roc model ghr3? Please clarify. 1) Imnaha Plan sheet C4 and C5 show (refer to detail 6/ GC1) all the pipe thimbles to be flanged. Lostine plans show pipe thimbles that are plain end. Can the thimbles on Imnaha be plain end, like those on Lostine?	1) http://www.hot-box.com/hotrok.html 2) Plain end pipe thimbles are acceptable with sleeve type coupling. Thrust blocks are required as illustrated on Drawing GM3, Detail 1. Pipe thimble shall be as shown on Drawing GM4, Detail 4.

Mon 5/15/2006 5:01 PM	1. Will a building permit(s) be required? If so, who will pay? Do you know the amount(s)? 2. I understand the Forest Service can assess a road use fee for regular use of the road to Imnaha. Will there be a fee requirement on this project? If so, do you know the amount? 3. Conflict between plan sheets and specs regarding color of CMU. Is it corect to assume standard gray block because the CMU gets covered with siding, etc?	1) A state building permit will be required. The contractor will apply and pay for the building permit. Information can be obtained at www.cbs.state.or.us/external/bcd/ 2) Forest Ranger in Enterprise office can be contacted at 541-426-4978 x5501 3) There is no integrally colored CMU.
Tue 5/16/2006 10:29 AM	1. Reference Drawing E-20, Lostine Fish Hatchery, Conduits between Vaults, question: The one line shows a Well #3 for the future. I there installation of conduits for the future pump? If so to what Hand Hold? 2. Reference Specification Section 16050-3.2.A1, Lostine Fish Hatchery, Use of PVC for Conduit for the Service, question: Per PGE we are required to install on 5" PVC from the pole to the transformer. Is it acceptable to use PVC for the Conduit between the pole and transformer? 3. Reference Drawing E-1, Imnaha Satillite Facility, Replace HR-3 Feeder, question: What is the size of the feeder HR-3 to be replaced? 4. Reference Drawing E-13, Lostine Fish Hatchery, Type of light Fixture, question: What are the type of light fixtures in the Adult Holding Spawning Building? 5. Reference Specification Section 16050-3.2.2a, Use of EMT, question: Please expand on use of EMT conduit. It appears that EMT conduit is allowed in most cases with exceptions to underground and Service Entrances.	1) No spare conduit. We don't know where the well will be. 2) Install per utility requirements on their web site. See note 4 on one-line. Direct utility questions to the local utility office, see note 3 on the one-line. 3) A 1987 drawing shows 4#1 in 1½" C and a 1" spare, but there have been many changes since then. Confirm in the field. 4) Formalin room: F9, Spawning room: F8, Mechanical room: F7. 5) Not in hazardous locations, and not in concrete or wet locations unless protected from corrosion, per NEC 358. I suggest that it be limited to above suspended ceilings, in stud walls, and mounted to block walls in dry areas.
Tue 5/16/2006 12:10 PM	1) A hollow core plank supplier is requesting the dead and live loading for the slabs, and if it needs a topping slab, as one is not shown.	Dead load = self weight Live load = 10psf (uninhabitable attics without storage). A topping slab is not required because the slab will not receive diaphragm loads.

Tue 5/16/2006 12:48 PM	Our fabricator had been searching out the 14 gauge helical corrugated Alum and has not had much luck in finding that material. He has several suppliers that can provide the indicated material in .060 material which is thinner in thickness than the 14 gauge (0.075) that is called for. Further, our manufacturer is indicating that the vendors for this material also use a overlay joint that is pressed tight, not a welded seam, which is called for on the drawing. Our fabricator is continuing to search for a provider of the specified material, however if a manufacturer of the specified material is not available, would FishPro engineers accept either of the following options? 1 - Provide the column in the material specified but at a metal thickness of .060 and the pressed seam? 2 - Would the engineer be open to the column being fabricated of rolled sheet aluminum of a similar or greater thickness. WMT has fabricated columns previously of 3/16" (7 gauge) material.	1) Option 2 is acceptable. 2) Yes. Go with rolled sheet material for the column.
Tue 5/16/2006 1:22 PM	Under spec section 14600, hoists, section 2.1; Wire Rope Hoist, calls for a electric Chain hoist?? This is the hoist for the fish sorting brail, I assume, which requires a wire rope. the spec section also calls for a trolley motor? The hoist is stationary is it not?	Hoist No. 1 – fish lock brail floor. The hoist shall be a wire rope hoist with helical/parallel gearing, Gilmore-Kramer Model 4HPF5M or approved equal, 5000 lb load rating, 5 hp motor, ½ inch wire rope diameter. Hoist No. 2 – shock tank brail floor hoist. The hoist shall be a wire rope hoist with helical/parallel gearing, Gilmore-Kramer Model 4HPF3M or approved equal, 2000 lb load rating, 2 hp motor, 5/16 inch wire rope diameter. See Drawings M29 and M33.
Tue 5/16/2006 2:06 PM	Do you know the "Plant Lady's" name or company name that you dealt with in design?	June Conley 541-569-2388

Tue 5/16/2006 3:49 PM	1. Do we need a spec on the Oxygen flowmeters? Section 15270 does not appear to cover oxygen system. 2. Can you clarify the LHO (low head oxygenators) locations, count, installation detail, design parameters? 3. CMU Supplier; can we use Central Pre-mix Concrete Products Co. block? Meets all dimensional and spec requirements, but not one of the listed suppliers.	1) No. There are no oxygen flowmeters 2) There are no LHO units. 3) Contractor may submit alternative manufacturers for CMU block which meet the requirements of the Contract Specifications.
Wed 5/17/2006 9:32 AM	Several of my major suppliers and subcontractors have contacted me requesting a few more days extension on the bid date of this project. As you are aware this is a VERY busy time of the year for contractors. As a result, we are formally requesting extending the bid date until Thursday, May 25th. We want to provide the best pricing possible and this extra time will allow all parties involved to refine their bids.	Due to scheduling issues and the previous shift in bid delivery date, we are regrettably unable to honor this request.

Wed 5/17/2006 9:40 AM	1) Lostine Dwg. M39 - please provide crowder rail size. Also, a supplier is saying that the spec'd track wheels are not available. 2) Lostine Dwg. S16, A14 - there is no access shown into the surface water tank once the slab @ El. 118' - 8" is placed, and no way to strip the formwork. Dwg. S16 shows four ladders, per Arch. Dwg. A14 shows two. Neither drawing shows the lengths. 3) Imnaha Dwg. GC1 - please provide a spec for the sheet pile.	1) Crowder rail is ASCE 25# rail. For the crowder track wheels, provide a track wheel that matches the requirements indicated on Drawing M39, Mechanical Components Table, for size and load capacity. 2) There should be four ladders as illustrated on Drawing S16. Modify Drawing A14 to add two ladders to match Drawing S16. Drawing S-16 illustrates a 3-foot by 3-foot access shaft at elevation 122' – 8" to the surface water tank. The removable grating indicated on S-16 provides access to the shaft. Section B, S18 indicates the concrete wall beyond which forms the edge of the access shaft. Move ladder called out on S-16 to north wall of the access shaft. Ladder shall extend from top of wall elevation 122' – 8" to the floor of the surface water head tank at elevation 95' – 0". This ladder was not shown on Drawing A14. Add the ladder to drawing A14 at the location indicated above. Ladder shall be as per Detail 9 on Drawing A12. Drawing A14 shows two ladders. The first ladder extends from the top of Mezzanine walkway T.O. of grating at elevation 118' – 8" to the T.O. of grating on the surface water head tanks buffer at elevation 122' – 8". The second ladder extends from the well water head tank T.O of grating at elevation 118' – 8" to the surface water head tank T.O. of grating at elevation 122' – 8". Drawing A14 indicates the location and elevations of structures where the ladders are to be installed. Add the access shaft ladder and a second ladder from the groundwater head tank to the surface water head tank as per Drawing S-16. Elevations shall be as per stated in the previous paragraph. As indicated above, a total of four ladders will be installed at the head water tank. All ladders shall be as per Detail 9 on Drawing A12. 3) Provide straight web steel sheet piling, Arcelor AS 500-12.5 or equal. Minimum web thickness is 0.4 inches. Steel shall meet the requirements of ASTM A 572 Grade 60.
Wed 5/17/2006 10:04 AM	Dwg. S21 - 18 pressure relief valves are shown, however the note says to be at 24' - 4" o.c. Only two are shown in the drain channel and are more than 24' from the next row to the right, and none are shown in the supply channel, or 24' to the right of the southern most row. We're assuming only 18 are req'd. Please confirm.	Yes, you are correct. 18 pressure relief valves shall be installed in each raceway structure as shown in contract drawings. No pressure relief valves are required in the inlet channel of these structures.

Wed 5/17/2006 11:32 AM	1) Drawing M2 shows 14" GW & SW, drawing M2 Show 12 GW & SW, which one is correct. 2) Drawing C4 & drain field piping specification indicate the piping to be schedule 40 with 1/8"holes. Please detail the number of rows and spacing needed. 3) On the low pressure pipelines (the ones that will be tested with the 10' of head) . Can fernco type couplings be used?	1) GW & SW on drawing M3 should be 14". 2) Septic system construction shall be in accordance with Oregon Department of Environmental Standards, OAR 340-073, Construction Standards The perforated drain pipe shall be as per OAR 340-073-0060, Pipe Materials and Construction: "The underdrain perforated pipe shall have two rows of holes spaced at 120 degrees apart and 60 degrees on either side of a centerline. The holes of each row may not be more than 5 inches on center and must have a minimum diameter of ½ inch". All septic system components shall meet the requirements of OAR 340-0073-0060. 3) No.
Wed 5/17/2006 2:05 PM	1.The note on detail 3, S46; "Perimeter jump net assy" is missing the top portion of the text. Please clarify the first (top) paragraph of text that ends in ".....at adjacent segments" 2. Slide Gates GC3 and GC3 from gate schedule on Sheet M58 call for rod or cable operator. Can yopu clarify what this will look like? Is it more like a shear gate? We only see 1 gate on sheet S45, water control box. Is 1 gate the correct count?	1) Top portion of note text should read *1/8" HDPE NET x 6"H WITH FABRIC POCKETS* 2) Yes. Only one shear gate is located in the control box structure. The intent of the operator is to be able to open and close the shear gate from finish asphalt grade. See: http://www.watermanusa.com/PDF/C-16.pdf for detail of type of shear gate.
Wed 5/17/2006 3:25 PM	I have been forwarded the excel bid form you sent for use in the NEOH Bid. Is it acceptable for us to format this form so as to allow the items to be completed by hand in lieu of type written? The form as is does not have enough space.	Yes

Wed 5/17/2006 3:59 PM	1) Details provided in Bidder Questions #2 regarding the roof overbuild at the Hatchery Building do not clearly show what is required for the structural support throughout the length of the building. Can a section be given in each direction in the center of the building for this? A plan view would be helpful also. 2) Section 01400 - 1.2 A.1 and Bidder Questions #1: What testing is expected of the contractor? Addendum #1, Section 03002, pg. 17 states that the Owner will employ and pay for concrete testing services which is what we would prefer. Can the Owner do the same for earthwork and asphalt comp action testing? The Owner will do the masonry testing per Section 04200. The asphalt and ready mix companies do their own trial batches and quarries provide gradations for imported aggregates. Not sure what the $10,000 is for. 3) Addendum #1 provided a new spec section for concrete - 03002. Does this replace the original Section 03300? Both are listed in the revised table of contents issued in Addendum #1.	1) No additional structural support is required under overbuild areas. At overbuild areas fully sheath entire area under overbuild framing with the metal decking as specified and shown on the original drawings. Hand frame the overbuild gable roof with 600S162-54 joists at 24 inches on center spanning from a continuous 16 gauge sleeper at the valley to a stud wall at the ridge. The sleeper connection to metal decking shall consist of (2) #10 Teks screws at 6 inches on center. The ridge stud wall shall be framed with 600S162-54 studs at 16 inches on center with 600T150-54 continuous tracks top and bottom. Cut and bend stud web and flanges as required for screwed connections. Use no less than (4) #10 Teks screws at each connection. 2) Replace SECTION 01400, QUALITY CONTROL, paragraph 1.2 with the attached 01400-Quality Control Erratum. (Ignore Mon 4/24/2006 6:47 PM response #2 given in Set #1) Specification SECTION 03002 Part 3.4, Paragraph A.; change the word *Owner* to read *Contractor*. 3) Concrete specification 03002 does not replace specification 03300.
Thu 5/18/2006 3:58 PM	1) I realize it is late, but the Lostine drawings do not have an existing site plan showing the existing grade contours. Dwgs. C3 & C4 only show the contours outside the paving area. Really need existing contours to be able to determine amount of cut/fill at paving & structures. 2) Similar condition @ Imnaha.	1) Contour drawings are forwarded separately. 2) Contour drawings are forwarded separately. These should be used for contour information only.
	THE END	