2015-17 Small Projects Recruitment Form

"Additional Local Flood relief Projects"
(for 2015-17 biennium)

Chehalis River Basin Flood Relief

What are small projects? -- In general, small projects are those projects that provide predominantly localized benefit, are capable of being completed within the funding cycle, are supported by the jurisdiction within which the project is proposed, and are vetted and advanced through the Chehalis River Basin Flood Authority's Chehalis Basin Projects Committee.

What are additional local flood relief projects? – Additional local flood relief projects are small projects seeking to utilize surplus 2015-17 small project monies as a result of other small projects coming in under budget, being re-scoped or otherwise resulting in surplus resources. Additional local flood relief projects, like small projects are to be completed within the funding cycle, supported by the jurisdiction within which the project is proposed, and vetted and advanced through the Chehalis River Basin Flood Authority's Chehalis Basin Projects Committee.

Instructions:

a. Please submit additional local flood relief project requests (via this form) to Scott Boettcher (scottb@sbgh-partners.com) no later than 5:00 p.m. April 1, 2016.

b. Please submit individual project request forms for each project in your jurisdiction, even those projects previously or partially funded in the past.

c. Note: Parts III and IV below [marked by "(**)"] will be scored as part of the Chehalis Basin Projects Committee's review and evaluation. Part I and II will not be scored.

Part I **General**	
1. **Date:**	March 25, 2016
2. **Project Name:**	Airport Storm Water Pump Station
3. **Project Location --** Please identify the location of the project as precisely as possible, preferable with latitude/longitude coordinates.	Chehalis – Centralia Airport Levee 46°41'12.94"N 122°58'34.70"W
4. **Project Contact** -- Please identify who will be	David Fleckenstein; dfleckenstein@ci.chehalis.wa.us;

responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	(360)748-1230
5. **Lead Organization --** Please identify the lead organization, agency, entity, etc. responsible for this project. Please identify key partners responsible for assisting in the delivery or implementation of the project.	Chehalis-Centralia Airport on behalf of the City of Chehalis. Key Partner: Skillings Connolly Inc. (Engineering Firm) POC: Thomas Leyrer, (360)491-3399
Part II **Description, Timing and Cost**	
6. **Project Description --** Please describe the project, what it is intended to accomplish, and the benefits that will accrue and to whom.	Purchase and Installation of a back-up pump. Will allow for installation during initial construction of the pump station. The pump house is being designed and constructed for placement of a second pump. A back-up pump will allow maintainers to switch between the two pumps for maintenance, to increase the overall lives of the pumps, and to provide emergency back-up when storm waters are high. Thus, the overall cost of the project is reduced by ~$20,000 if the second pump is purchased and installed during initial construction.
7. **Project Timeline --** Please describe the overall timeline for completion of the project as well any interim stages or phases.	-Surveying, geo-technical work complete - Permitting and Design is ongoing. -Construction Bids Spring 2016 -Construction Summer 2016 -Completion late summer or early fall 2016
8. **Project Cost and Funding --** What is the cost of this project? What are the on-going maintenance and operation requirements? Is it clear who will be responsible for on-going maintenance and operations costs?	-Cost=$80,000 (estimated) - $716,000 initially funded by RCO -Current pump facility operated and maintained by airport staff. Maintainers perform periodic maintenance throughout the year. The system operates automatically as necessary, but can be operated in a manual mode. -Chehalis-Centralia Airport team will continue to budget for the operation and maintenance of the pump facility
9. **Other Funding --** Please explain the extent to which other funding sources or funding partners are available.	-Additional funding would be in the form of a loan. An existing RCO grant is being used for the initial construction.
Part III (**) **Completion and Doability by June 30, 2017**	
10. **Project Completion --** Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.	Yes, the funding requested completes the project in progress with an estimated completion date in SEP 2016.

11. **Project Doable --** Can this project or the stage/phase for which funding is sought be completed by June 30, 2017? Does the project face problem areas that could impact its doability and timeline, e.g., permitting or regulatory unknowns.	Project can be completed by June 30, 2107. There are no known problem areas that would prevent the completion of the project according to the deadline above.
12. **Project Impacts --** Please identify how any project impacts will be mitigated and if that mitigation will be accomplished by June 30, 2017?	The airport will work with the Director of Community Development for the City of Chehalis and Skillings Connolly to mitigate any impacts to the projects.
Part IV (**) **Benefits Stated and Quantified**	
13. **Emergency Response --** Please explain how this project enhances our ability to respond in a flood emergency (e.g., does it keep critical access roads, transportation facilities, etc. open and functional.)	The Chehalis-Centralia Airport pump station is an integral part of removing storm water from behind the airport levee. It protects the airport, associated roads and land immediately adjacent to I-5. The airport provides continuous services to emergency responders operating out of the airport during a flood emergency/evacuation.
14. **Essential Infrastructure Protection --** Please explain how this project protects essential infrastructure (as well the risks or consequences of not acting this funding cycle).	The project replaces the original pump house constructed in the early 1940s. The majority of storm water that enters into the ~380 acres located behind the levee drains to the pump house where it is subsequently pumped out to the Chehalis River. By not acting this funding cycle, the pump house will be constructed to house two pumps, but the back-up pump will not be installed. Waiting to purchase and install the pump once initial construction is completed will result in additional engineering and construction costs (= an additional $20,000) and leave the airport to rely on one pump to move storm water during the wet seasons of the year.
15. **Public Health, Safety and Welfare --** Please explain how this project protects public health, safety and welfare.	The pump house protects the Chehalis Centralia Airport that acts as a location for emergency responders [evacuation operations, aerial medical evacuation (MEDEVAC) transfers and MEDEVAC refueling]. It helps prevent flooding to roads and numerous businesses within the levee, flooding to underground fuel tanks, and flooding to septic systems.
16. **Residential, Commercial and/or Agricultural Protection --** Please explain how this project protects residential, commercial and/or agricultural interests and communities and the benefits of acting (or consequences of not acting) this funding cycle. Consider factors like number of structures	The airport pump house projects approximately 70 acres of retail businesses and restaurants within the levee as well as adjacent portions of I-5. During the fall of 2015, the airport pump house ran nearly continuously over a three day period to prevent flood waters from rising within the airport property and surrounding retail area. On an annual

at risk, number of people at risk, historic frequency of flood damage, magnitude of benefit to be gained for the cost, etc.).	basis, the pump house acts to provide consistent protection though out the wet season. The Chehalis River Basin can count on 1-2 flood events per season where the airport provides essential protection to businesses and the people that work there. Flooding behind the airport levee could quickly equate to $millions in losses given the businesses, aircraft, and equipment located there.
17. **Other Project Impacts --** Please explain how this project impacts or is potentially impacted by another project.	Improvements to the airport pump station are part of a multi-phased approach to protecting the area from flood waters. The airport levee was widened to support raising the levee to provide protection from 100 yr flood events. Additionally, rehabilitation work on the levee conducted by the US Army Corps of Engineers will take place in the summer of 2016.
18. **Anything Else --** Please feel free to offer any additional information (e.g., photos, maps, drawings, etc.) that would be helpful to better understand the scope, timeline and benefits of this project.	Please see the attached photo of the existing pump station and the engineering structure that includes a back up pump. The airport is working with Skillings Connolly to complete the project prior to the wet season in the fall of 2016. Added flood protection for respective businesses interested in the Chehalis area acts an incentive for them to locate in the area.

CASCADE PUMP COMPANY
MANUFACTURERS OF AXIAL AND MIXED FLOW PUMPING EQUIPMENT
10107 SOUTH NORWALK BOULEVARD, P.O. BOX 2767 • SANTA FE SPRINGS, CALIFORNIA 90670-0767
E-MAIL: PUMPINFO@CASCADEPUMP.COM • WWW.CASCADEPUMP.COM
TEL:562.946.1414 • FAX:562.941.3730

VIA EMAIL
david@trianglepump.com

January 21, 2016

Triangle Pump
Ridgefield, WA

ATTENTION: DAVID FLACK

SUBJECT: REQUEST FOR QUOTE
CHEHALIS/CENTRALIA AIRPORT-REPLACEMENT OF SO#13915
CASCADE QUOTATION NO. 16-019 was 14-064

We are pleased to submit the following price information for the 1 pump per our phone call on January 18, 2016.

SCOPE OF SUPPLY

Rated Condition: 10,000 GPM at 15 feet total dynamic head (bowl).

Pump: 20AP axial flow, 1 stage, 24" diameter below baseplate flanged discharge, oil lubrication, 880 RPM, bowl efficiency 77%, brake horsepower 49.2, 33' – 10 1/2" from baseplate to bottom of suction bell, weight 5,155 lbs., catalog curve AP2008.

Motor: 50 Horsepower, 900 RPM, vertical hollow shaft, WP-1 enclosure, 460 volts, 3 phase 60 hertz, 1.15 service factor, 40° C ambient, class F insulation with class B rise, non reverse ratchet, premium efficiency, weight 1560 lbs.

PRICES

QTY	DESCRIPTION	UNIT	EXTENDED
1	20AP Pump	$42,700.00	$42,700.00
1	50 HP Motor	$8,500.00	$8,500.00

Delivery terms are F.O.B. Shipping Point. Freight charges are not included. Estimate Freight Charges at $4,000.00

COMMENTS

1. Submittals 3 to 4 weeks after receipt of acceptable purchase order.
   Shipment 16 to 18 weeks after receipt of approval and release to production. Manufacture lead-time is estimated and is subject to availability of materials.

2. Price is firm for shipment not later than July 21, 2016. Shipment after that date will be subject to price in effect.
3. **Pump price includes: engineering drawings, O&M manual, flanged discharge with 25 lb. drilling only, motor stand, coupling guards, one gallon oil reservoir with 460v solenoid valve, and black enamel paint.**
4. Anchor bolts, installation, start-up services, field testing, controls, lubricants, etc. are not included.
5. Prices for motors, gear drives and other equipment purchased for resale included in this quotation are subject to price in effect at time of shipment.

Terms of Payment: Normal payment terms are net 30 days of invoice. Invoices are dated as of the date of shipment or notice of completion of manufacture if shipment is delayed at Purchaser's request. Purchaser's request shall be any cause whatsoever not reasonably within control of the Seller. If completion of manufacture is delayed at Purchaser's request, Seller may invoice according to percentage of completion. Storage of equipment shall be at Purchaser's risk and expense. We reserve the right to make partial shipments of equipment and pro rata invoice for that equipment as shipments are made. Retention of a percentage of the contract sale amount is prohibited unless agreed to in writing prior to our acceptance of contract. Credit worthiness of the purchaser will be determined upon receipt of contract. Credit terms, if authorized, are subject to change during the life of the contract if the financial condition of the Purchaser changes.

Sales and Similar Taxes: Unless otherwise stated in this quotation, prices do not include any Federal, State, or Local sales, use or other taxes that may be applicable to the sales of offered products or services. The amount of any such applicable taxes will be added to the invoice at the rate in effect at the time of shipment.

Terms and Conditions: This quotation is based solely upon the terms and conditions set forth herein including attachments. They supersede and reject any conflicting terms and conditions of yours. Any other terms and conditions that you may propose are subject to requotation.

This quotation will remain open for acceptance until February 20, 2016. Due to current price increases in materials, the quoted prices must be reviewed after this date. Please notify us prior to placing order to determine price increase, if any.

If you have any questions, feel free to call the sales office.

Sincerely,

CASCADE PUMP COMPANY

Ryan Lieberman

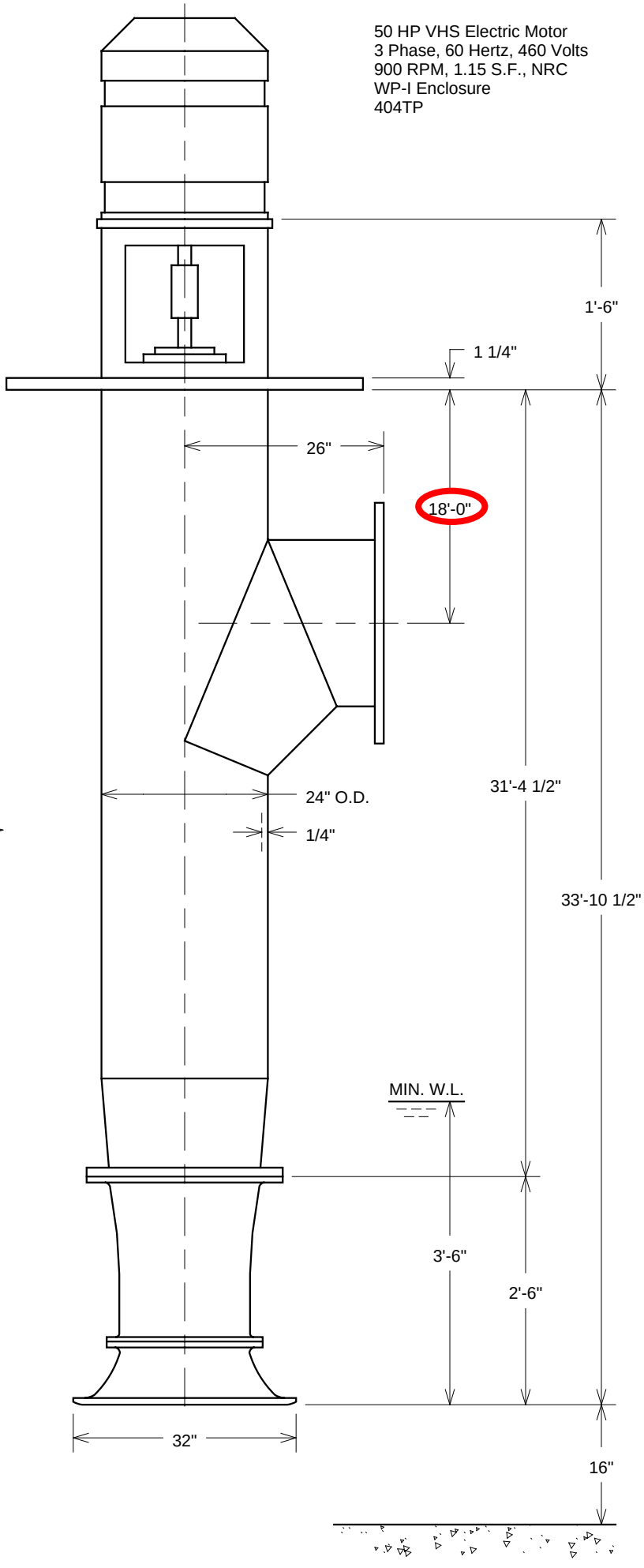
Attachment: Additional Terms and Conditions
Sales Quote Drawing #16-019
Catalog Curve AP2008

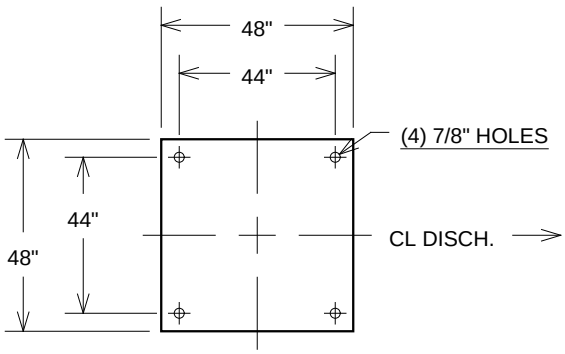
CASCADE PUMP COMPANY
ADDITIONAL TERMS AND CONDITIONS

1. **Prices are based on direct factory shipment or as noted.**
2. **The time for shipment given herein is approximate and is estimated from the date of receipt of order with complete manufacturing information and approval of drawings as may be necessary. The Seller shall not be liable for any loss or damage for delay or non-delivery due to the acts of civil or military authority, acts of the Purchaser or by reason of "force majeure", which shall be deemed to mean all other causes whatsoever not reasonably within the control of the Seller, including, but not limited to acts of God, war, riot or insurrection, blockades, embargoes, sabotage, epidemics, fires, strikes, lockouts or other industrial disturbances, delays of carriers, and inability to secure materials, labor or manufacturing facilities. Any delay resulting from any such cause shall extend shipping dates correspondingly. The Seller shall in no event be liable for any special, indirect or consequential damages arising from delay irrespective of the reason thereof, and receipt by the Purchaser shall constitute acceptance of delivery and waiver of any claims due to delay.**
3. **If quantities vary from those indicated we reserve the right to revise our prices. Where a quantity of material is quoted according to our takeoff, such quantity is believed to be accurate but cannot be guaranteed.**
4. **If an item quoted is not approved by the Consulting Engineer we assume no responsibility to furnish the item manufactured by others.**
5. **Orders shall not be subject to cancellation or change by the Purchaser unless agreed to in writing by the Seller. Purchaser will reimburse Seller for all losses and expenses incurred by such cancellation or change. Due to the custom nature of the product, cancellation charges may be up to 100% of order value.**
6. **Our Warranty on equipment and material covered herein is limited to that which is extended by the Manufacturer involved. We shall not be responsible for any damage arising directly or indirectly from the installation or use of this equipment. Copies of Warranty available on request.**
7. **Any preliminary drawings and illustrative materials herewith show general arrangement and approximate dimensions only. Certified drawings will be submitted after receipt of order if required.**
8. **No equipment or parts shall be returned to Seller without prior written authorization from the Seller. Partial credit may be allowed for returned material or equipment freight charges prepaid, F.O.B. Sellers factory. Amount of credit authorized will be determined after inspection.**
9. **Unless Purchaser specifies otherwise in writing. (a) goods will be boxed or crated as Seller may deem proper for protection against normal handling, and extra charge will be made for preservation, waterproofing, export boxing and similar added protection of goods; (b) routing and manner of shipment will be at Sellers discretion, and may be insured at Purchaser's expense, value to be stated at order price. On all shipments F.O.B. Sellers factory, delivery of goods to the initial carrier will constitute delivery to Purchaser and all goods will be shipped at Purchaser's risk. A claim for loss or damage in transit must be entered with the carrier and prosecuted by Purchaser. Acceptance of material from a common carrier constitutes a waiver of any claims against the Seller for delay or damage or loss.**
10. **Unless specifically stated herein, all material and/or equipment shall be installed and placed in service by and at the expense and under the exclusive responsibility of the Purchaser.**
11. **Purchaser shall be responsible for care, maintenance and protection of material and/or equipment after delivery. Purchaser agrees to provide and maintain adequate insurance for equipment and/or materials covered herein against loss or damage by fire, explosion or other causes during the time between shipment and final payment in an amount fully protecting Seller. The title and right of possession to the machinery shall remain with the Seller and the machinery shall remain personal property irrespective of attachment to or location on any foundation or in any structure, until all payments shall have been made in cash. The Purchaser will do all acts necessary to protect the above title and right. In the event of any default by the Purchaser, the Seller shall have the right to repossess the machinery as well as all other rights afforded to a conditional seller under the provisions of the Uniform Conditional Sales Act and any other applicable laws.**
12. **All agreements are contingent upon strikes, accidents or other causes beyond our control.**
13. **Interest chargeable at maximum legal rate on past due items still unpaid after 30 days from date of shipment. In addition to the prices and freight specified, Buyer shall pay all sales, consumers, or other taxes lawfully assessed or levied by the United States, a state or political subdivision thereof, or a municipal corporation, which are chargeable specifically to the transaction covered by the contract between Seller and Buyer, as well as additional freight rates and additional costs created by legislation or operation thereof.**
14. **These terms and conditions shall constitute a part of any contract which may be entered into and shall not be altered, modified, or added to unless specifically and expressly agreed to in writing by Seller, and all oral agreements and representations of Seller shall be embodied in any written contract of which they are a part. No statement, recommendation or assistance made or offered by the Seller or its representative to the Buyer or his representative, in connection with the use of any products or services sold by the Seller, shall be or constitute a waiver by the Seller of any of the provisions hereof or change the Seller's liability, as herein defined or constitute any guarantee or warranty.**
15. **The validity, interpretation, and performance of any purchase order issued accepting this proposal shall be controlled by and construed under the laws of the State of California. If legal action is brought to enforce any conditions of the purchase order or because of an alleged dispute, breach or default the successful or prevailing party shall be entitled to recover reasonable attorney's fees and other costs incurred in that action, in addition to any other relief to which it may be entitled.**

50 HP VHS Electric Motor
3 Phase, 60 Hertz, 460 Volts
900 RPM, 1.15 S.F., NRC
WP-I Enclosure
404TP

Oil Lubrication





BASE PLATE DETAIL

Customer Name: TRIANGLE PUMP & EQUIPMENT

Job Name: CHEHALIS/CENTRALIA AIRPORT PUMP STATION
REPLACEMENT OF SO#13915

CASCADE PUMP COMPANY
SANTA FE SPRINGS, CALIFORNIA

#20AP Propeller Pump
24"-25# ASA Flanged Discharge

DRAWN RYAN L.
DATE 01/21/16
CHECKED
SCALE NONE

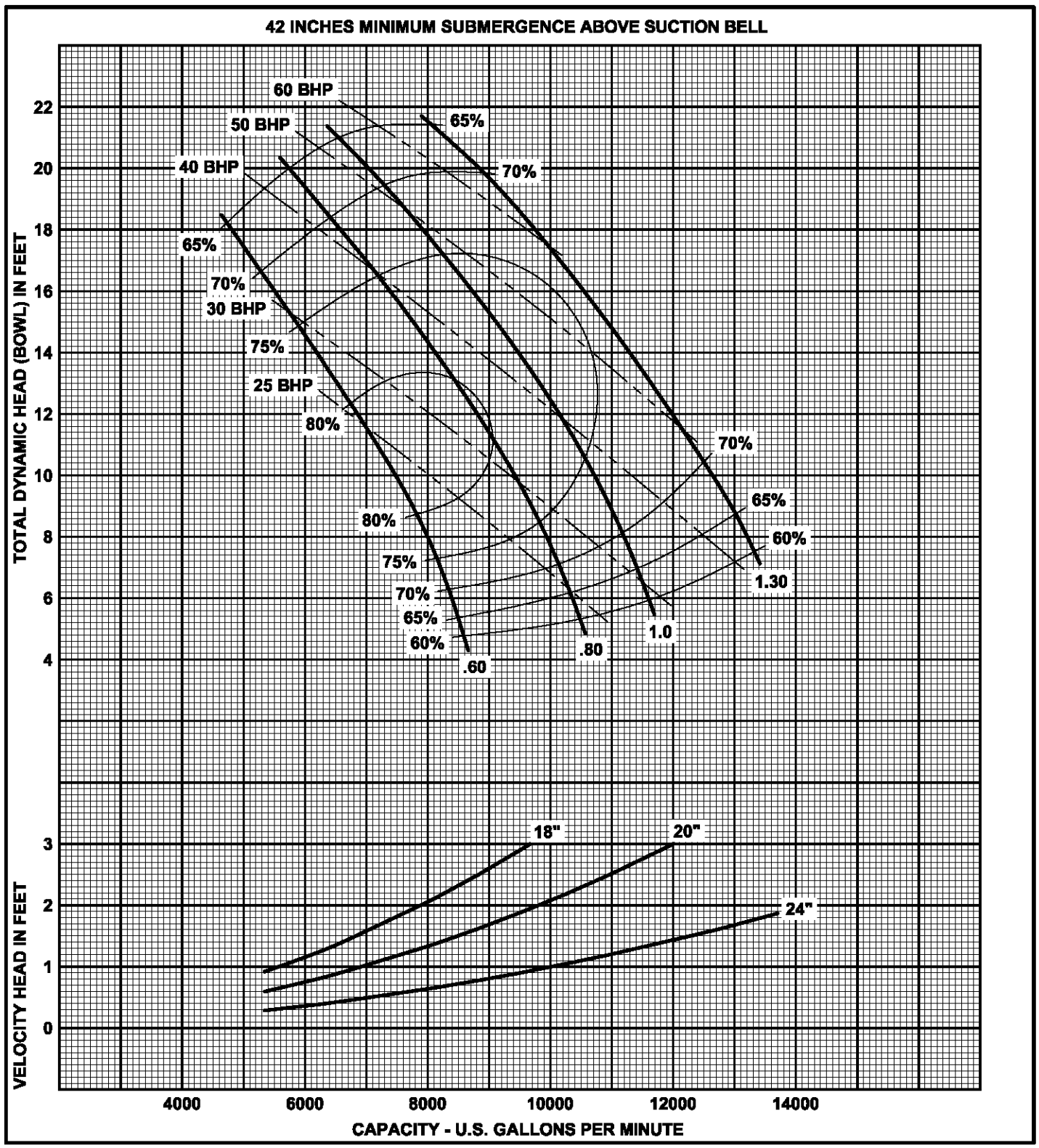
16-019

CASCADE PUMP COMPANY
10107 South Norwalk Boulevard • PO Box 2767
Santa Fe Springs, California 90670-0767

CURVE NUMBER **AP2008**
DATE 06-03
SUPERCEDES 03-88

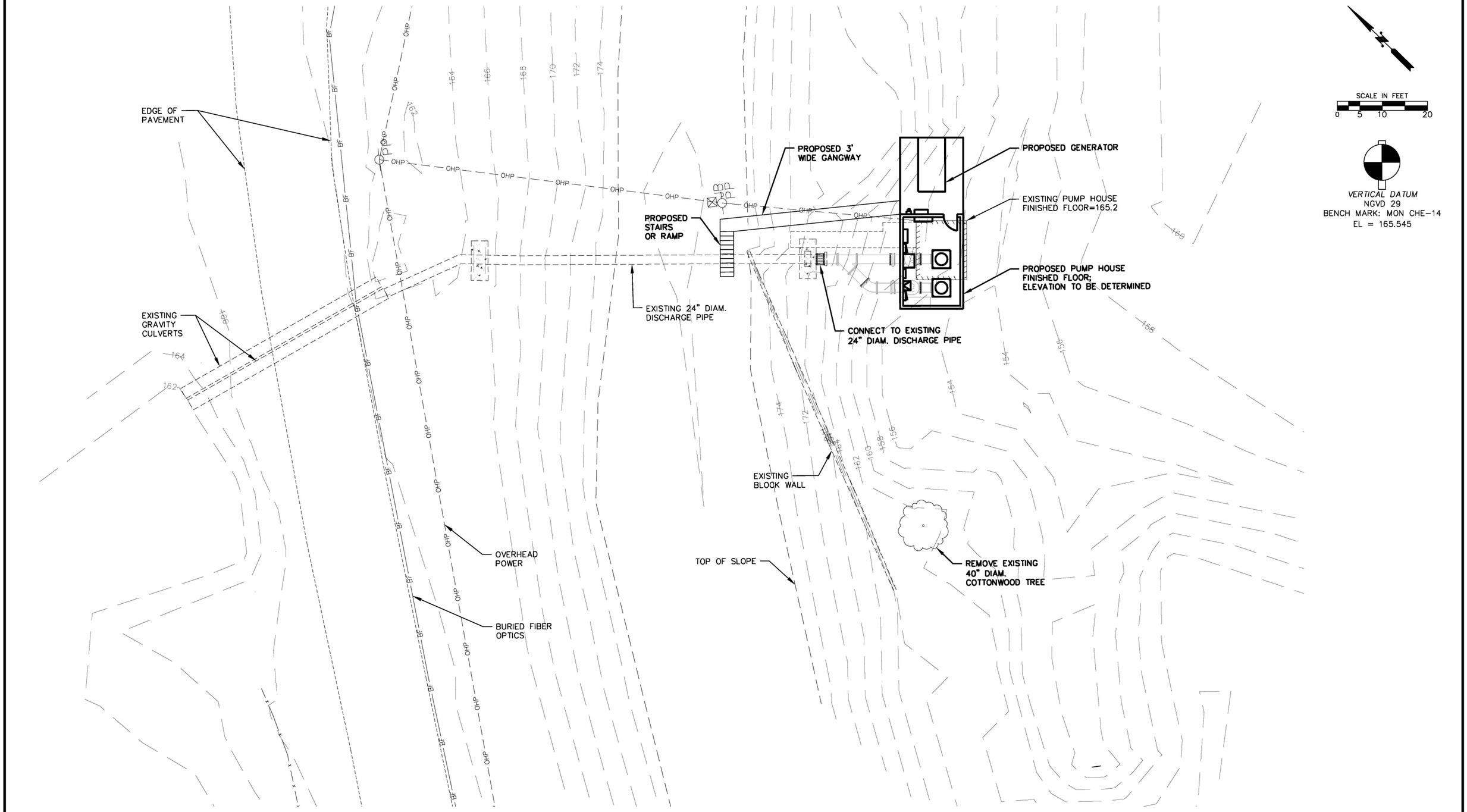
20
AP
880 RPM

CASCADE AXIAL FLOW PUMP



CURVE CHARACTERISTICS BASED ON PUMP PERFORMANCE WITH SPECIFIED AMOUNT OF CLEAR, NON-AERATED, FRESH COLD WATER.

THIS PERFORMANCE CURVE IS FOR ESTIMATING ONLY. CURVE SHOWS SINGLE STAGE PERFORMANCE. FOR MULTIPLE, VARIABLE AND OTHER SPEED APPLICATIONS, CONSULT FACTORY.



	DATE	REVISIONS		
DESIGNED BY: TL	03-11-16	NO.	DATE	
ENTERED BY: NM	03-11-16			
CHECKED BY:				
PROJ. ENGR.: TL	03-11-16			

Plotted By: Nicolas Mayfield on 3/11/16 4:10 PM

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PRELIMINARY — THOMAS LEYRER, STATE OF WASHINGTON, 51094, REGISTERED PROFESSIONAL ENGINEER

SKILLINGS CONNOLLY
5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com

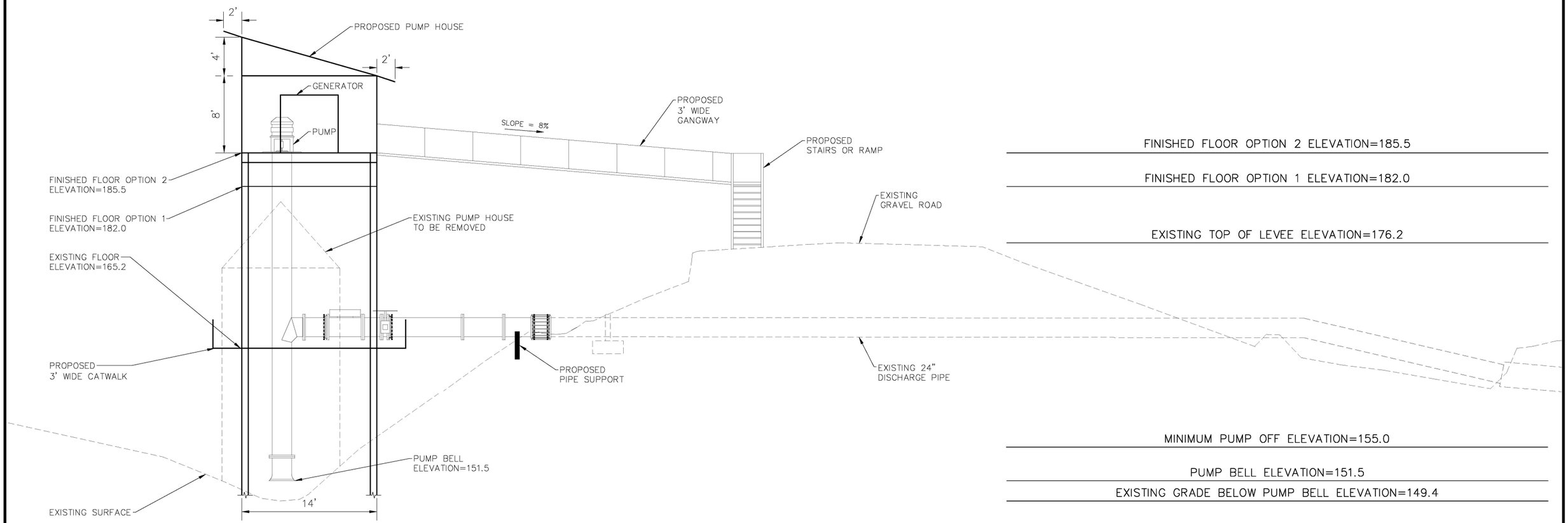
CHEHALIS-CENTRALIA AIRPORT

PUMP STATION REBUILD PRELIMINARY SITE PLAN

JOB NUMBER 15210

SHEET 1 OF 2 SHEETS

SCALE IN FEET
0 2.5 5 10



FINISHED FLOOR OPTION 2 ELEVATION=185.5

FINISHED FLOOR OPTION 1 ELEVATION=182.0

EXISTING TOP OF LEVEE ELEVATION=176.2

MINIMUM PUMP OFF ELEVATION=155.0

PUMP BELL ELEVATION=151.5

EXISTING GRADE BELOW PUMP BELL ELEVATION=149.4

	DATE
DESIGNED BY: TL	03-11-16
ENTERED BY: NM	03-11-16
CHECKED BY:	
PROJ. ENGR.: TL	03-11-16

REVISIONS		
NO.	DATE	

Plotted By: Nicolas Mayfield on 3/11/16 4:10 PM

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THOMAS J. LEVESQUE STATE OF WASHINGTON 51094 REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

SKILLINGS CONNOLLY
5016 Lacey Boulevard SE, Lacey, WA 98503
Ph.: (360) 491-3399 www.skillings.com

CHEHALIS-CENTRALIA AIRPORT

PRELIMINARY PUMP HOUSE ELEVATION

JOB NUMBER 15210

SHEET 2 OF 2 SHEETS