
INVITATION TO BIDDERS #2026-02
CAMPUS ELECTRICAL DISTRIBUTION
RESPONSE TO CLARIFYING QUESTIONS II
February 23, 2026

Note that these are questions submitted by interested firms to this solicitation. The below answers are for clarification purposes only and in no way alter or amend the solicitation as published.

1. **QUESTION: Alternate #1 - Deduct Tie-In to Heat Exchange Building (Scope Limits)**
Please confirm the exact limits of Alternate #1 Deduct Tie-In to Heat Exchange Building: identify the specific feeders/duct banks/conduits/vaults/terminations to be excluded, and confirm whether associated demolition, testing, commissioning, and restoration for that tie-in are also excluded. Please provide sheet/detail references and confirm any impacts to shutdown sequencing.

ANSWER: The deduct alternate begins where the conduit turns and runs east on the south side of Campus drive. The deductive alternate is the two 4-inch conduits from this location to the Utility cabinet located by the HX building, including conductors and related work. Please note from the beginning point of this alternate running north across campus drive 4 conduits are required all the way to the new switchgear location. If alternate 1 is deducted, cap two of these conduits. See sheet E 2.00

2. **QUESTION: Shutdown Planning, Approval and Weekend Window Requirements**
Please confirm the required shutdown planning/approval process (Required approvers, and typical review duration). Confirm the minimum lead time for written approval prior to a shutdown and whether any campus blackout weekends/events restrict outage scheduling. We understand that approval is required 14-calendar days prior to shutdowns, however it's important for us to know who and how approvals are gained.

ANSWER: Shutdowns must be approved by the Facilities Director and the electrical Engineer. Allow 10 days for approval.

3. **QUESTION: Solar System Isolation During Shutdowns**
Do any standby or after-hours fees apply. If so, is this responsibility of the Owner to pay?

ANSWER: Yes, as shutdowns only occur during approved hours/weekends likely to include "after-hours" and Contractor is to be on stand-by as required along with actively working throughout any shut-down (not just on stand-by). Include costs in bid, or clarify the question. See previous per-bid question response that clarified coordination, etc. requirements with Tesla, utility, etc.

4. **QUESTION: Excavation Spoils / Disposal - Use of OIT Fill Sites**

Please confirm whether trench excavation spoils may be hauled to and disposed of at OIT-designated on-campus fill sites at no cost to the Contractor. If not allowed, please confirm offsite export/disposal is Contractor responsibility and included in base bid.

ANSWER: Dispose of all excavation materials and debris off campus at contractor expense. See note 6 on sheet C 1.6

5. **QUESTION: Curb/Median Note Conflict - C1.7/Detail 1**

Sheet C1.7/Detail 1 notes 'Typ tunnel under curb do not damage, replace if damaged' Based on the trench/duct bank cross-sections and required depth/width, tunneling under the curb/median is not feasible while meeting trench details. Please clarify whether curb/median may be sawcut, removed, and replaced to accommodate the duct bank installation, and provide required restoration standards (curb profile, doweling, jointing, finish, curing, etc.), should we assume match existing?

ANSWER: If curb cannot be saved, cut curb at trench width and replace with standard 16-inch curb. Dowel into old curb with 1 #4 rebar with 4-inch embedment, into old curb. Place 1 continuous, horizontal, # 4 bar in new poured curb.

6. **QUESTION: Demolition & Restoration Limits - Asphalt/Concrete**

Please provide a demolition/restoration plan (or written limits) defining boundaries for asphalt and concrete removal and replacement associated with trenching/duct bank work. Sheet C1.6 notes 'Replace all asphalt in drive area 4" Thick Min' please clarify whether asphalt replacement is (a) trench patch only or (b) full-width/edge-to-edge in Drive Area and other affected drives. Please also confirm minimum sawcut offsets beyond trench width, required section thickness (base/AC lifts), compaction/testing requirements, and whether full panel replacement is required for concrete sidewalks/curbs where trenches cross.

ANSWER: Sawcut trench locations in asphalt 12 inches wider than proposed trench width. Only trench patches will be repaired. On sidewalk crossings remove entire sidewalk between existing joints and replace.

7. **QUESTION: Retaining Wall & Gate Coordination - Heights, Elevations, and Design Details**

Drawings indicate a stacked retaining wall near the electrical pad area that may impact new gate clearances on the north. Please confirm that the working area in front of the gates is sufficient for future maintenance and access.

ANSWER: Wall elevation is lower than gate swings, see sheet C 1.3

8. **QUESTION: Tree Removal Count and Landscape Restoration Responsibility**

Please confirm the quantity of trees to be removed (plan callout not shown) and whether stump grinding/root removal is required. Also please confirm who is responsible for landscape restoration (topsoil, seed/sod, irrigation repairs, shrubs/trees) in areas disturbed by trenching and restoration work. Contractor scope vs. OIT Maintenance.

ANSWER: Trees will need to be removed. See the attached drawing. Contractor responsible for final grading with topsoil around switchgear pad. Seeding by the owner,

on the slope areas around the pad. Replace damaged grass in irrigated areas with sod. Repair any damaged irrigation lines.

9. **QUESTION: Overhead Metal Grate System Finish**

Plans indicate an overhead metal grate system over electrical gear. Please confirm required material/finish (hot-dip galvanized after fabrication, painted, or raw steel) and any coating requirements for cut edges/welds, plus hardware requirements (galvanized vs. stainless). We believe some modifications to the design will be necessary to accommodate the panels to be removable in the future for maintenance, can this be delt with post bid with the awarded contractor?

ANSWER: At this time the Metal grate system is not removable. Clean all steel and paint, one coat, gloss finish, with Rust-Oleum® RO Epoxy 9100 Direct to Metal Epoxy Mastic Paint.

10. **QUESTION: HB5005 / Apprenticeship Utilization & Reporting Requirements**

Bid documents reference HB5005 Section 11 apprenticeship requirements. Please confirm the applicable apprenticeship utilization percentage for this project, is it 12%? It appears that on January 1, 2027, this will go to 15%, please clarify which percentage should be assumed as this is a multi-year project.

ANSWER: HB5005 item #11- 1 (a) states 15%.

11. **QUESTION: Special Inspections**

Please confirm that special inspections are provided by and paid for by Owner.

ANSWER: All inspections/ testing, on site work conduit runs, switchgear pad, and related work will be by engineer, at no cost to contractor. This does not include testing required for electrical equipment, such as breakers, switchgear, and related testing of components required by electrical specifications.

End of Response to Clarifying Questions II



LEGEND

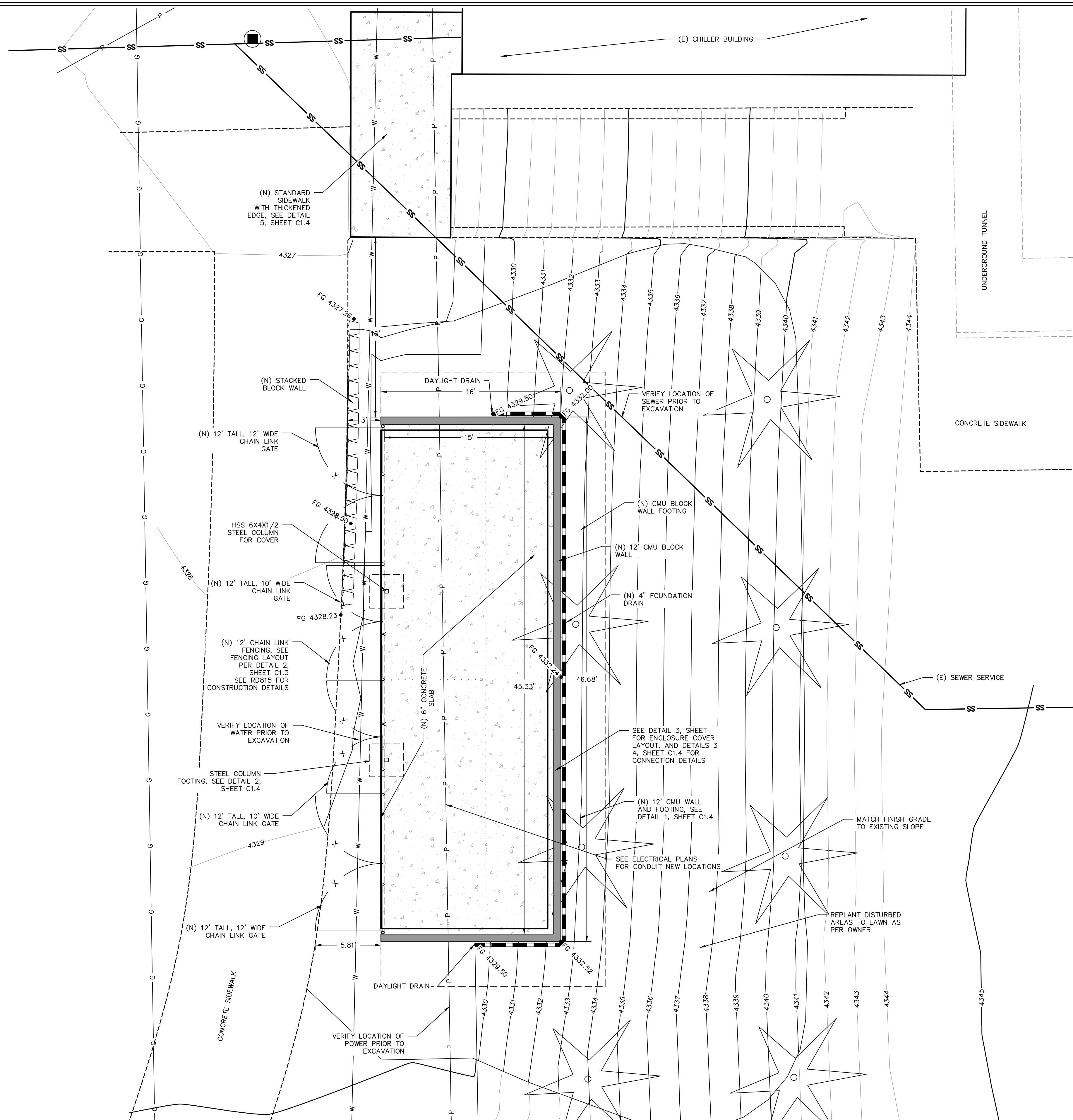
- SEWER SERVICE
- STORM DRAIN LINES
- GAS SERVICE
- POWER SERVICE
- WATER SERVICE

GENERAL NOTES

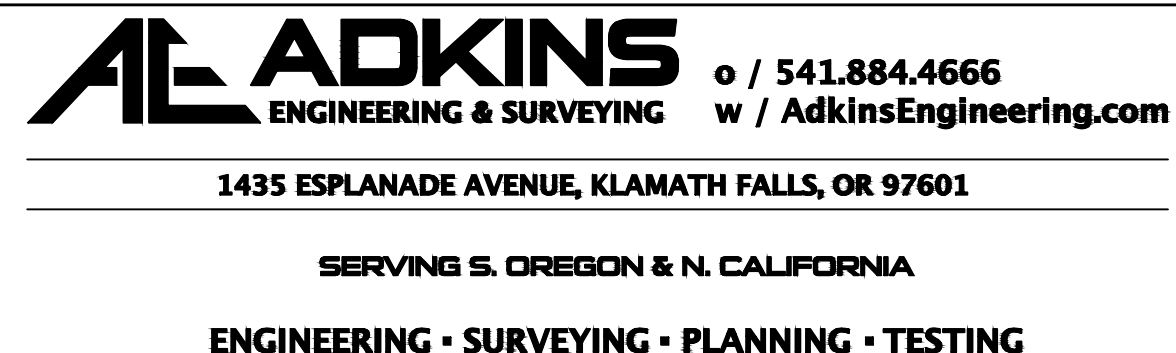
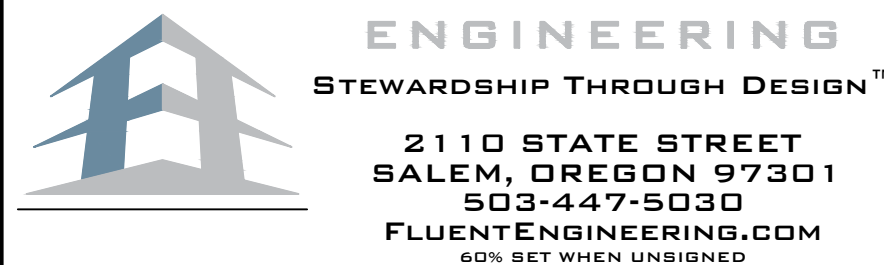
1. VERIFY EXISTING UTILITY LOCATIONS PRIOR TO ANY UNDERGROUND WORK OR EXCAVATION.
2. ALL EXISTING CONDUIT THAT IS TO BE REPLACED IS TO BE REMOVED - VERIFY WITH OWNER AND ENGINEER PRIOR TO REMOVAL.
3. ENGINEER WILL PROVIDE CONCRETE AND COMPACTION TESTING - CONTRACTOR TO SUPPLY EARTH & AGGREGATE SAMPLES.
4. SUBMIT ALL PRODUCT DATA TO ENGINEER FOR APPROVAL. ELECTRONIC SUBMITTALS ARE ACCEPTABLE.

CONCRETE NOTES

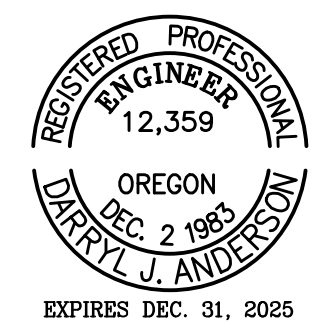
- 1) MIX DESIGN:
MINIMUM 6 SACK MIX
STRENGTH: 4000 PSI @ 28 DAYS
SLUMP: 4" ± 1"
AIR ENT: 5% ± 1%
SUBMIT MIX DESIGN TO ENGINEER FOR APPROVAL.
 - 2) CONCRETE SHALL NOT BE POURED ON FROZEN GROUND. CONCRETE PLACED DURING COLD WEATHER SHALL BE BLANKETED FOR A MINIMUM OF 24 HOURS. COLD WEATHER IS DESCRIBED AS, FOR 3 CONSECUTIVE DAYS, THE AVERAGE DAILY TEMPERATURE IS LESS THAN 40 DEGREES AND THE AIR TEMPERATURE IS LESS THAN 50 DEGREES.
 - 3) CONSOLIDATE CONCRETE BY MEANS OF A HIGH-FREQUENCY, INTERNAL, MECHANICAL VIBRATOR SUPPLEMENTED BY HAND SPADING.
- CONCRETE FORM WORK**
- 1) CONSTRUCT FORM WORK IN ACCORDANCE WITH ACI 301 AND 347.
 - 2) VERTICAL FACE, EXPOSED CONCRETE:
MINIMUM 3/4" PLYWOOD WITH "B" GRADE FACE TO CONCRETE. EARTH FORMS SHALL NOT BE PERMITTED.
 - 3) VERIFY LINES AND GRADES PRIOR TO PLACING CONCRETE.
 - 4) ARRANGE AND ASSEMBLE FORM WORK TO PERMIT STRIPPING OF FORMS WITHOUT DAMAGING CONCRETE.
 - 5) APPLY FORM RELEASE AGENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. KEEP SURFACES WET JUST PRIOR TO CONCRETE PLACEMENT.
- REINFORCING STEEL**
- 1) REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
 - 2) TIE WIRE SHALL BE CLEAN AND FREE OF SCALE OR RUST.
 - 3) PLACE REINFORCEMENT AS SHOWN ON THE DRAWINGS. PROVIDE SUPPORTING DEVICES NECESSARY TO MAINTAIN THE REINFORCEMENT IN-PLACE DURING CONCRETE PLACEMENT AND CONSOLIDATION.
 - 4) COVER REQUIREMENTS:
AGAINST EARTH: 3 INCHES CLEAR
FORMED CONCRETE AGAINST EARTH: 2 INCHES CLEAR
 - 5) ALL STEEL SHALL BE TIED IN-PLACE. NO STABBING OF REINFORCING SHALL BE ALLOWED.



1
C1.1
PROPOSED SITE PLAN
1" = 5'



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DATE	REVISION DESCRIPTION	BY
9/2/25	NOTES, FIX TEXT	R.C.

PREPARED FOR:
OREGON TECH
3201 CAMPUS DRIVE
KLAMATH FALLS, OR 97601

ELECTRICAL PAD PROPOSED SITE PLAN
OREGON INSTITUTE OF TECHNOLOGY
3201 CAMPUS DR,
KLAMATH FALLS, OREGON 97601

DATE:	6/25/2025
SCALE:	1"=5'
DWG. BY:	R.C.
FILE:	225005
JOB NO.:	225005
SHEET	C1.1

CONSTRUCTION SET