NEGUS TRANSFER STATION IMPROVEMENTS PROJECT
CEC PROJECT No.: 301-277

RE: ADDENDUM No.: 01

TO ALL CONTRACTORS:

This serves as Addendum No.: 01 for the above referenced projects. Included in this addendum are the following:

1. Change of Bid dates.
2. List of attendees at the in-person and virtual pre-bid meeting held on July 12, 2022.
3. Attachment of pre-bid meeting PowerPoint slides.
4. Attachment of corrected plan sheets.
5. Attachment of correct specification pages.

1. Inquiries pertaining to plans, specifications and other bid documents shall be submitted no later than 2:00 p.m. on Friday, August 5, 2022. Sealed bids will be received until but not after 2:00 p.m. on Friday, August 12, 2022.
2. List of attendees include the following:
    a. Kirby Nagelhout Construction Company
        i. Jeff Deswert
        ii. Larry Blanton
    b. Jack Robinson & Sons Inc.
        i. Greg Goss
    c. Pence Construction
        i. Karl Nottelmann
    d. Wildish Construction Co.
        i. Spencer Lemmon
    e. Taylor Northwest LLC
        i. Marty Johnson
        ii. Justin Barden
    f. K&E Excavating, Inc.
        i. Chad Walter
    g. Camp Creek Electric LLC
        i. Mike Brye
    h. 2KG Contractors, Inc.
        i. Doug Sesney

i. Phil Attendee
j. Daily Journal of Commerce Oregon
    i. Sharlene Richard
k. Deschutes County, Department of Solid Waste
    i. Chad Centola
    ii. Tim Brownell
l. Civil & Environmental Consultants, Inc. (Design Engineer)
    i. Jeff Shepherd
    ii. Maegan Schlosser
m. BLRB Architects
    i. Sarah Fischer
    ii. Lee Georgeton
n. Hickman, Williams & Associates, Inc. (Design Engineer)
    i. Sean Passage
o. MDA Engineering Inc. (Design Engineer)
    i. Ron Timko
p. CEA Consulting Engineers (Design Engineer)
    i. Kyle Swenson

ATTACHMENT 1
PRE-BID MEETING POWERPOINT SLIDES

ATTACHMENT 2
REVISED PLAN SHEETS

ATTACHMENT 3
REVISED SPECIFICATIONS

ATTACHMENT 1
PRE-BID MEETING POWERPOINT SLIDES

Civil & Environmental Consultants, Inc.

Negus Transfer Station Prebid Meeting

Negus Transfer Station PreBid Meeting

Welcome to the Negus Transfer Station PreBid Meeting

The Negus Transfer Station construction project consists of the following:

- New 30,000 SF transfer station building with offices attached
- New scale house
- New inbound and outbound scales
- New 100,000 gallon fresh water storage tank
- New utility infrastructure
- New Deschutes County Transportation Department aggregate storage yard

Negus Transfer Station
PreBid Meeting

OWNER:

Deschutes County Department of Solid Waste

Mr. Chad Centola – Director

61050 SE 27th Street

Bend, OR 97702

(541) 322-7172

chadc@Deschutes.org

Negus Transfer Station PreBid Meeting

Engineer/Architecture Team

Civil Engineering

- Civil & Environmental Consultants, Inc.
- Hickman, Williams & Associates, Inc.
- Walker Structural Engineering
- Wallace Group

Architectural

- BLRB Architects
- Szabo Landscape Architects

Electrical & Mechanical Engineering

- CEA Consulting Engineers (HVAC)
- MDA Engineering, Inc. (Electrical)

Negus Transfer Station PreBid Meeting

Negus Transfer Station bid schedule:

- Mandatory PreBid Meeting July 12, 2022
- Questions* due July 29, 2022 by 5:00 PM
- Bids Due August 5, 2022** by 4:00 PM

*All questions must be submitted in writing.

**The due date is going to be pushed back but not sure of date yet.

Negus Transfer Station PreBid Meeting

Important Notes for Civil Engineering

- Contractor shall install all site/civil improvements as indicated on the site/civil drawings including:
  - Erosion and sediment control features
  - Mass and fine-grade earthwork to establish site subgrades
  - Concrete and asphalt pavements
  - Signage, striping, and ancillary pavement improvements
  - Fence and gates. See electrical drawings for additional requirements for site security.
  - Wet utilities included water main, storm sewer, and leachate sewer (note, sanitary sewer described separately).
  - Final site restoration in accordance with landscape plans (by others)

Negus Transfer Station PreBid Meeting

Important Notes for Civil Engineering

- Contractor to prepare Pre-Engineered Metal Building & contractor storage area per sheet C102.
  - Contractor shall include receiving and documenting parts and pieces.
  - Contractor shall provide security and tarps or other protection as required by Nucor.
- Contractor shall provide chain link automated cantilever fence gate & chain link manual double swing gate meeting dimensions and in accordance with security fence requirements shown on plans.
- Contractor to confirm final entrance sign detail, material, and design requirements with Deschutes County prior to construction.

Negus Transfer Station PreBid Meeting

Important Notes for Civil Engineering

- Contractor shall provide Rice Lake Survivor SR Series Scales or approved equivalent at the scale house. Note that adjustments to the plans may be required pending final scale selection.
- Local electrical company, Central Electric Cooperative, Inc., to perform work to relocate overhead electrical lines. See electrical plans for additional information.
- Contractor to confirm existing water main size at existing facility prior to construction.

Negus Transfer Station PreBid Meeting

Important Notes for Civil

- Proposed sewer system incorporates a sewer lift station (located at the scale house) and a network of gravity and pressure sewer piping routed to a septic tank, alternative treatment technology (ATT) standard 1 system, and capping fill trench area.
- The septic area designated/defined on sheet C1.1 of the Construction Drawings shall be protected by means of fencing, prior to construction, to prevent and/or minimize activity and compaction to the greatest extent practicable. Use only track mounted equipment in the septic capping fill area and reserve area when possible.
- Contractor shall provide the engineer and Deschutes County product specifications and materials list for the ATT/S system and capping fill material prior to ordering and installation.

Negus Transfer Station PreBid Meeting

Important Notes for Civil

- Installation of the Orenco system shall be performed by an Advantex Authorized Installer Only.
- Septic System and Capping Fill Trenches shall be constructed installed by DEQ approved Contractor and inspected by the Deschutes County Environmental Soils Division prior to installing the drainfield cap. Per Deschutes County Standards, construction of capping fill drainfields may only occur between June 1st and October 1st unless authorized by a County Environmental Health Specialist.
- Start-up and service of the Orenco system shall be performed by an Advantex Authorized Service Provider only.

Negus Transfer Station PreBid Meeting

Important Notes for Civil

- Getting the anchorage for the metal building frames located and cast in the correct locations. These should all be surveyed to ensure accuracy, missing these will likely require concrete to be cut out and reinstalled as drilling and epoxying will not be strong enough to resist the large uplift forces.
- Dowels extending from slab for the push walls will need to be cast in place and can not be epoxied due to vehicular impact loads.

Negus Transfer Station PreBid Meeting

Important Notes for Civil

- Deep cuts in basalt bedrock greater than 15-ft will be required for the Transfer Station footings.
- Deep sections of new structural fill greater than 15-ft will be required for Transfer Station slab-on-grade. Structural fill material will need to meet Wallace Group Geotechnical Report specifications and be density testable.
- Water tank will bear on up to approximately 12-feet of new structural fill. Structural fill material will need to meet Wallace Group Geotechnical Report specifications and be density testable.
- Isolated areas of undocumented fill materials up to approximately 5-feet deep were encountered during exploration. Additional areas of undocumented fill could be encountered. The undocumented fill materials encountered will not be suitable for re-use as structural fill.

Negus Transfer Station PreBid Meeting

Important Notes for Architecture

- **Transfer Building** is PEMB pre-purchased by Owner and will be shipped to site by Manufacturer. The building will have assembly instructions and a BIM model from Manufacturer for use by the awarded Bidder. Bid is for assembly of the building, foundations, elements to complete the envelope, interior fit-out. Provide a turn-key delivery to the Owner.
- **Transfer Building** skylights are not intended to interrupt purlin pattern or spacing, purlins will run across skylight openings.
- **Fire Pump** building is identified on site plan and in specifications as a Pre-Engineered Metal Building (PEMB). Bidder to procure building, design slab, coordinate with the existing design work of Civil, MEP & Fire, obtain necessary building permits with Deschutes county, deliver to site, store securely, assemble, and provide turn-key delivery to the Owner.

Negus Transfer Station PreBid Meeting

Important Notes for Landscape Architecture

- Contractor shall install all site/landscape improvements as indicated on the landscape drawings including (but not limited to):
  - Irrigation system to include but not limited to all valves, spray & rotor heads, bubblers, mainline & lateral line, and controller
  - Soil tests, soil amendments, pre-emergent herbicides, fertilizers, mulch and topsoil
  - Planting of shrubs, grasses, groundcovers, perennials, and trees including tree stakes and ties
  - Hydroseeding with tackifier

Negus Transfer Station PreBid Meeting

Important Notes for Landscape Architecture

- Hydroseeding, soil amendments, & fine grading shall extend to those areas disturbed by construction activity (this my be beyond the anticipated limits expressly indicated on the plans)
- Warranty and maintenance of plantings & hydroseed
  - Supplemental watering of those areas not covered by irrigation systems
  - Weeding and monitoring of landscape areas
  - Reapplication of hydroseeding in areas of bare spots or little to no seed establishment.

Negus Transfer Station PreBid Meeting

Important Notes for Mechanical

Transfer Station:

Mechanical

- Provide split system heat pumps for scale house and transfer case to provide heating and cooling.
  - Ducted unit for general occupied area
  - 4 way cassette for vendor office and supervisor office – ventilation air ducted from roof
  - Cooling only unit for server room
- HRV provided as a means of ventilation throughout the space
  - Tied into return of ducted units
  - Individually ducted to restrooms
- Rooftop exhaust fan/outside air louver for main electrical room
- Electric duct heater for backup heat on ducted unit
- Electrical wall heaters provided for backup heat, sole source of heat in warming hut, and fire riser freeze protection.
- Exhaust fans provided for restrooms.
- High/low exhaust/intake system for transfer station
- Vestibule temperature controls

Negus Transfer Station PreBid Meeting

Important Notes for Mechanical

Transfer Station:

Plumbing

- Well pressure tanks in fire riser room
- Booster pump in fire riser
- Fire lines routed to hose reels
- 2x Restrooms
- Kitchen
- Water heater + recirc pump
- Shower/changing room
- Propane tank/gas piping
- Hose bibb
- Exterior emergency shower

Fire Protection

- Sprinkler zone map, design intent

Negus Transfer Station PreBid Meeting

Important Notes for Mechanical

Scale House:

Mechanical

- Provide split system heat pumps for scale house and transfer case to provide heating and cooling.
  - Ventilation air is ducted to 4 way cassette indoor units
  - Cooling only unit for electrical/server room
- Electrical wall heaters provided for backup heat.
- Exhaust fans provided for restrooms.
- High/low exhaust/intake system for transfer station

Plumbing

- Well pressure tanks above restroom
- Restroom plumbing
- Tankless water heaters x2
- Kitchen plumbing
- Hose bibb

Fire Protection

- Sprinkler zone map, design intent

Negus Transfer Station PreBid Meeting

Important Notes for Mechanical

Fire Pump House

Mechanical

- Door louver + exhaust fan for ventilation
- Electric unit heater for freeze protection

Fire Protection

- Piping/pumping system layout, design intent.

Negus Transfer Station PreBid Meeting

Important Notes for Electrical

- Contractor responsible for all site utility infrastructure (raceways, vaults, pads, pull boxes, pull strings, etc.) for electrical and communications utility services. Conductors and cables by utility company. Installation to be in accordance with the utility company standards.
- Low Voltage Systems Responsibilities:
  - Data Communications – Complete system by GC – Servers and switches by owner. All else by GC
  - Fire alarm and monitoring – Complete system by GC
  - Intrusion Detection – Complete system by GC
  - Access Controls – System devices, components and installation by owner's security vendor – Raceways, boxes, power and cabling by GC
  - Surveillance – System devices, components and installation by owner's security vendor – Raceways, boxes, power and cabling by GC
- Lighting control system consists of a networked wired and wireless system.
- Snow/Ice Melt system (gutters and downspouts) on scale house and transfer station buildings.

Negus Transfer Station PreBid Meeting

Important Notes for Electrical

- Diesel Emergency Generator for powering emergency lighting in transfer station building and optional standby loads consisting of transfer station office, scale house and fire pump building.
- Scale raceways and power will require detailed and close coordination with scale vendor prior to rough-in. All conduits to be underground and routed into scale building. No exterior boxes/conduits will be acceptable.
- Fire Pump building electrical design presented on the drawings is based on preliminary equipment/layout. Final design and coordination with adjustments as necessary for a complete and operable system to be by the contractor.
- Electrical work at existing transfer station consists of upgrading the electrical feed for the new well pump.

Negus Transfer Station PreBid Meeting

- Site Security is going to be very important during the course of the project. Lots of homeless people living out near the site.
- Working days can be Monday through Saturday
- The existing facility is going to be in operation during construction – lots of vehicular traffic on Saturday's

Negus Transfer Station PreBid Meeting

BLANKET STATEMENT ON SUBSTITUTIONS DURING BID PROCESS

Review and approval of products used in our project is not something that Deschutes County would do during the solicitation phase. It will be up to the contractor for the project to provide the appropriate submittals for review and approval in accordance with the project bid documents. Deschutes County suggests that all suppliers/vendors/subcontractors keep tabs on the project and reach out to either planholders and/or the successful bidder for consideration of your product.

Negus Transfer Station PreBid Meeting

Questions must be submitted in writing and submitted to:

Chad Centola at chad.centoal@Deschutes.org

Negus Transfer Station PreBid Meeting

THANKS FOR ATTENDING

We will include a this presentation with Addendum No. 1 along with any other information that might be required.

ATTACHMENT 2
REVISED PLAN SHEETS

CIVIL

SHEET NUMBER	SHEET TITLE
C000	COVER SHEET
C100	EXISTING CONDITIONS PLAN - OVERALL
C101	DEMOLITION & TREE REMOVAL PLAN
C102	PEMB & CONTRACTOR STORAGE AREAS
C200	OVERALL SITE PLAN
C201	OVERALL SITE PLAN - PROPOSED FACILITY AREA
C202	ROADWAY & GEOMETRIC PLAN - FACILITY ENTRANCE
C203	ROADWAY & GEOMETRIC PLAN - TRANSFER STATION ENTRANCE AND SCALE HOUSE
C204	ROADWAY & GEOMETRIC PLAN - TRANSFER STATION
C205	ROADWAY & GEOMETRIC PLAN - STORMWATER POND
C206	VEHICLE TRAFFIC FLOW PLAN
C207	VEHICLE QUEUING PLAN
C208	SIGNAGE AND STRIPING PLAN
C300	OVERALL GRADING PLAN
C301	GRADING PLAN - FACILITY ENTRANCE
C302	GRADING PLAN - TRANSFER STATION ENTRANCE AND SCALE HOUSE
C303	GRADING PLAN - TRANSFER STATION
C304	GRADING PLAN - STORMWATER POND
C305	GRADING PLAN - DETAILED LAYOUTS
C306	ISOPACH PLAN
C400	STORMWATER MANAGEMENT PLAN
C401	STORMWATER MANAGEMENT PLAN - TRANSFER STATION ENTRANCE AND SCALE HOUSE
C402	STORMWATER MANAGEMENT PLAN - TRANSFER STATION
C403	STORMWATER MANAGEMENT PLAN - STORMWATER POND
C404	LEACHATE MANAGEMENT PLAN - TRANSFER STATION ENTRANCE AND SCALE HOUSE
C405	LEACHATE MANAGEMENT PLAN - TRANSFER STATION
C406	STORMWATER UTILITY PROFILES
C407	STORMWATER UTILITY PROFILES
C408	STORMWATER UTILITY PROFILES
C409	LEACHATE UTILITY PROFILES
C410	LEACHATE UTILITY PROFILES
C411	LEACHATE UTILITY PROFILES
C412	STORMWATER & LEACHATE MANAGEMENT DETAILS
C413	STORMWATER & LEACHATE MANAGEMENT DETAILS
C500	OVERALL UTILITY PLAN
C501	UTILITY PLAN - FACILITY ENTRANCE
C502	UTILITY PLAN - TRANSFER STATION ENTRANCE AND SCALE HOUSE
C503	UTILITY PLAN - TRANSFER STATION
C504	UTILITY PLAN - EXISTING TRANSFER FACILITY
C505	WATER MAIN UTILITY PROFILES
C506	FIRE PROTECTION UTILITY PROFILE
C600	ROAD AGGREGATE YARD - EXISTING CONDITIONS PLAN
C601	ROAD AGGREGATE YARD - SITE PLAN
C602	ROAD AGGREGATE YARD - GRADING PLAN
C700	EROSION & SEDIMENT CONTROL PLAN
C800-C805	DETAILS

SANITARY SEWER

C1.1	SANITARY SEWER PLAN
C2.1	SANITARY SEWER PROFILES
C3.1	SANITARY SEWER DETAILS
C3.2	SANITARY SEWER DETAILS
C3.3	SANITARY SEWER DETAILS
C3.4	SITE EVALUATION SUMMARY

ARCHITECTURAL - TRANSFER STATION (A)

A0.01	TITLE SHEET/GENERAL INFORMATION
A0.02	ASSEMBLY TYPES
AC0.1A	CODE ANALYSIS NARRATIVE
AC0.2A	CODE ANALYSIS PLAN
AC0.3A	ACCESSIBILITY CODE INFO & DIAGRAMS
AC0.4A	ACCESSIBILITY CODE INFO & DIAGRAMS
A1.00	SITE PLAN - OVERALL
A1.10	SITE PLAN - PROPOSED NEW
A1.21	SITE STAIRS
A1.22	SITE WORK DETAILS
A2.0A	FLOOR PLAN - LOWER LEVEL - TRANSFER STATION
A2.1A	FLOOR PLAN - LEVEL ONE - TRANSFER STATION
A2.2A	ROOF PLAN - TRANSFER STATION
A2.3A	ENLARGED PLANS - TRANSFER STATION
A2.4A	ENLARGED PLANS - TRANSFER STATION LOADOUT
A3.1A	EXTERIOR ELEVATIONS
A3.2A	EXTERIOR ELEVATIONS
A4.1A	BUILDING SECTIONS - TRANSFER STATION
A4.2A	BUILDING SECTIONS - TRANSFER STATION
A4.3A	WALL SECTIONS
A4.4A	WALL SECTIONS
A4.5A	WALL SECTIONS
A5.0A	ROOM FINISH SCHEDULE
A5.1A	INTERIOR ELEVATIONS - TRANSFER STATION
A5.2A	INTERIOR ELEVATIONS - TRANSFER STATION
A5.3A	INTERIOR ELEVATIONS - STAFF AREA
A5.4A	INTERIOR ELEVATIONS - STAFF AREA
A5.5A	INTERIOR ELEVATIONS - STAFF AREA
A6.1A	REFLECTED CEILING PLAN - TRANSFER STATION
A6.2A	ENLARGED REFLECTED CEILING PLAN - TRANSFER STATION OFFICE
A6.3A	ENLARGED REFLECTED CEILING PLAN - LOADOUT
A7.1A	DOOR SCHEDULE
A7.2A	WINDOW TYPES
A7.3A	OPENING DETAILS
A7.4A	OPENING DETAILS - STOREFRONT
A7.5A	OPENING DETAILS
A8.1A	DETAILS
A8.2A	DETAILS
A8.3A	DETAILS
A8.4A	DETAILS
A8.5A	LOADOUT FALL GUARD DETAILS

ARCHITECTURAL - SCALE HOUSE (B)

A0.01B	TITLE SHEET/GENERAL INFORMATION
AC0.1B	CODE ANALYSIS
AC0.3A	ACCESSIBILITY CODE INFO & DIAGRAMS
AC0.4A	ACCESSIBILITY CODE INFO & DIAGRAMS
A1.00	SITE PLAN - OVERALL
A1.10	SITE PLAN - PROPOSED
A2.0B	ASSEMBLY TYPES
A2.1B	PLANS - SCALE HOUSE
A2.2B	ROOF PLAN AND VEHICLE SCALE COORDINATION PLAN
A3.1B	EXTERIOR ELEVATIONS
A4.1B	BUILDING SECTIONS - SCALE HOUSE
A5.1B	INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE
A7.1B	WINDOW & DOOR TYPES AND SCHEDULES
A7.2B	OPENING DETAILS
A7.3B	STOREFRONT OPENING DETAILS
A8.1B	DETAILS
A8.2B	DETAILS
A8.3B	ROOF DETAILS

STRUCTURAL - TRANSFER STATION (A)

S0.1	GENERAL STRUCTURAL NOTES & DRAWING INDEX
S0.2	GENERAL STRUCTURAL NOTES CONT.
S0.3	SPECIAL INSPECTION TABLES
S0.4	SPECIAL INSPECTION TABLES
S2.1	TRANSFER STATION LOWER FOUNDATION PLAN
S2.2	TRANSFER STATION FOUNDATION PLAN
S2.3	TRANSFER STATION OFFICE FOUNDATION PLAN
S5.1	STRUCTURAL DETAILS - FOUNDATION
S5.2	STRUCTURAL DETAILS - FOUNDATION
S5.3	STRUCTURAL DETAILS - FOUNDATION
S5.4	STRUCTURAL DETAILS - FOUNDATION
S5.5	STRUCTURAL SECTIONS - LOADOUT
S5.6	STRUCTURAL SECTIONS - LOADOUT
S5.7	STRUCTURAL SECTIONS - LOADOUT
S5.8	STRUCTURAL DETAILS - FOUNDATION

STRUCTURAL - SCALE HOUSE (B)

S0.1	GENERAL STRUCTURAL NOTES & DRAWING INDEX
S0.2	GENERAL STRUCTURAL NOTES CONT.
S0.3	SPECIAL INSPECTION TABLES
S0.4	SPECIAL INSPECTION TABLES
S2.1	SCALE HOUSE FOUNDATION & FRAMING PLANS
S2.2	SCALES FOUNDATION PLAN
S3.1	SCALE HOUSE SHEAR WALL PLAN
S3.2	SHEAR WALL DETAILS
S5.1	STRUCTURAL DETAILS - SCALE HOUSE FOUNDATION
S5.2	STRUCTURAL DETAILS - SCALE HOUSE FOUNDATION
S5.3	STRUCTURAL DETAILS - SCALES FOUNDATION
S5.4	STRUCTURAL DETAILS - SCALES FOUNDATION
S5.5	STRUCTURAL DETAILS - SCALES FOUNDATION
S6.1	STRUCTURAL DETAILS - FRAMING

ELECTRICAL

E1.0	ELECTRICAL LEGENDS, SCHEDULES AND DETAILS
E1.1	ELECTRICAL LEGENDS AND DETAILS
E1.2	LUMINAIRE SCHEDULES AND DETAILS
E1.3	SITE LUMINAIRE SCHEDULES AND DETAILS
E2.1	SITE PLAN - ELECTRICAL
E2.2	SITE PLAN - LOW VOLTAGE
E3.1A	TRANSFER STATION FLOOR PLANS - LIGHTING
E3.2A	TRANSFER STATION FLOOR PLANS - POWER
E3.3A	TRANSFER STATION ENLARGED PLANS - POWER
E3.4A	TRANSFER STATION FLOOR PLAN - FIRE ALARM
E3.5A	TRANSFER STATION FLOOD PLANS - LOW VOLTAGE
E3.6A	TRANSFER STATION ROOF PLAN - GUTTER/HEAT TRACE
E3.7B	SCALE HOUSE FLOOR PLANS - ELECTRICAL
E3.8B	SCALE HOUSE ROOF PLAN - GUTTER/HEAT TRACE
E3.9B	SCALE HOUSE SITE PLAN
E3.10C	FIRE PUMP BUILDING PLANS - ELECTRICAL
E4.1	ELECTRICAL RISER DIAGRAMS
E4.2	GROUNDING DETAILS
E4.3	GENERATOR INSTALLATION DETAILS
E5.1	ELECTRICAL PANEL SCHEDULES
E5.2	ELECTRICAL PANEL SCHEDULES
E6.1	FIRE ALARM DETAILS
E7.1	COMMUNICATION DETAILS
E8.1	SECURITY/ACCESS CONTROL AND SURVEILLANCE DETAILS

MECHANICAL - TRANSFER STATION (A)

M1.00	SCHEDULE & NOTES - TRANSFER STATION & OFFICE
M2.00	HVAC FLOOR PLAN - TRANSFER STATION
M3.00	ENLARGED OFFICE HVAC PLAN - TRANSFER STATION

MECHANICAL - SCALE HOUSE (B)

M1.00	SCHEDULES & NOTES - OUT BUILDINGS - SCALE, ORGANICS, PAY BOOTH

FIRE PROTECTION - TRANSFER STATION (A)

FP1.00	FIRE PROTECTION FLOOR PLAN - TRANSFER STATION
FP2.00	ENLARGED OFFICE FIRE PLAN - TRANSFER STATION
FP3.00	FIRE PUMP & STORAGE TANK SCHEMATIC DIAGRAM

FIRE PROTECTION - SCALE HOUSE (B)

FP1.00	FIRE PROTECTION FLOOR PLANS - OUT BUILDINGS - SCALE HOUSE

PLUMBING - TRANSFER STATION (A)

P1.00	SCHEDULES & NOTES TRANSFER STATION & OFFICE
P2.00	PLUMBING FLOOR PLAN TRANSFER STATION
P3.00	ENLARGED OFFICE PLUMBING PLAN TRANSFER STATION

PLUMBING - SCALE HOUSE (B)

P1.00	SCHEDULE & NOTES OUT BUILDINGS - SCALE HOUSE
P2.00	PLUMBING FLOOR PLANS OUT BUILDINGS - SCALE HOUSE

LANDSCAPE

LI1.00	LANDSCAPE IRRIGATION PLAN
LI1.01	LANDSCAPE IRRIGATION PLAN
LI1.02	LANDSCAPE IRRIGATION PLAN
LI1.03	LANDSCAPE IRRIGATION PLAN
LI1.04	LANDSCAPE IRRIGATION PLAN
LI1.05	LANDSCAPE IRRIGATION PLAN
LI1.06	LANDSCAPE IRRIGATION PLAN
LI2.01	LANDSCAPE IRRIGATION DETAILS
LI2.02	LANDSCAPE IRRIGATION DETAILS
LI2.03	LANDSCAPE IRRIGATION DETAILS
LP3.00	LANDSCAPE PLANTING PLAN
LP3.01	LANDSCAPE PLANTING PLAN
LP3.02	LANDSCAPE PLANTING PLAN
LP3.03	LANDSCAPE PLANTING PLAN
LP3.04	LANDSCAPE PLANTING PLAN
LP3.05	LANDSCAPE PLANTING PLAN
LP3.06	LANDSCAPE PLANTING PLAN
LP4.01	LANDSCAPE PLANTING DETAILS

SUBMITTAL RECORD

NO	DATE	DESCRIPTION
1	06/28/2022	BID SUBMITTAL

REVISION RECORD

NO	DATE	DESCRIPTION
1	07/15/2022	ADDENDUM NO. 1

BLRB architects
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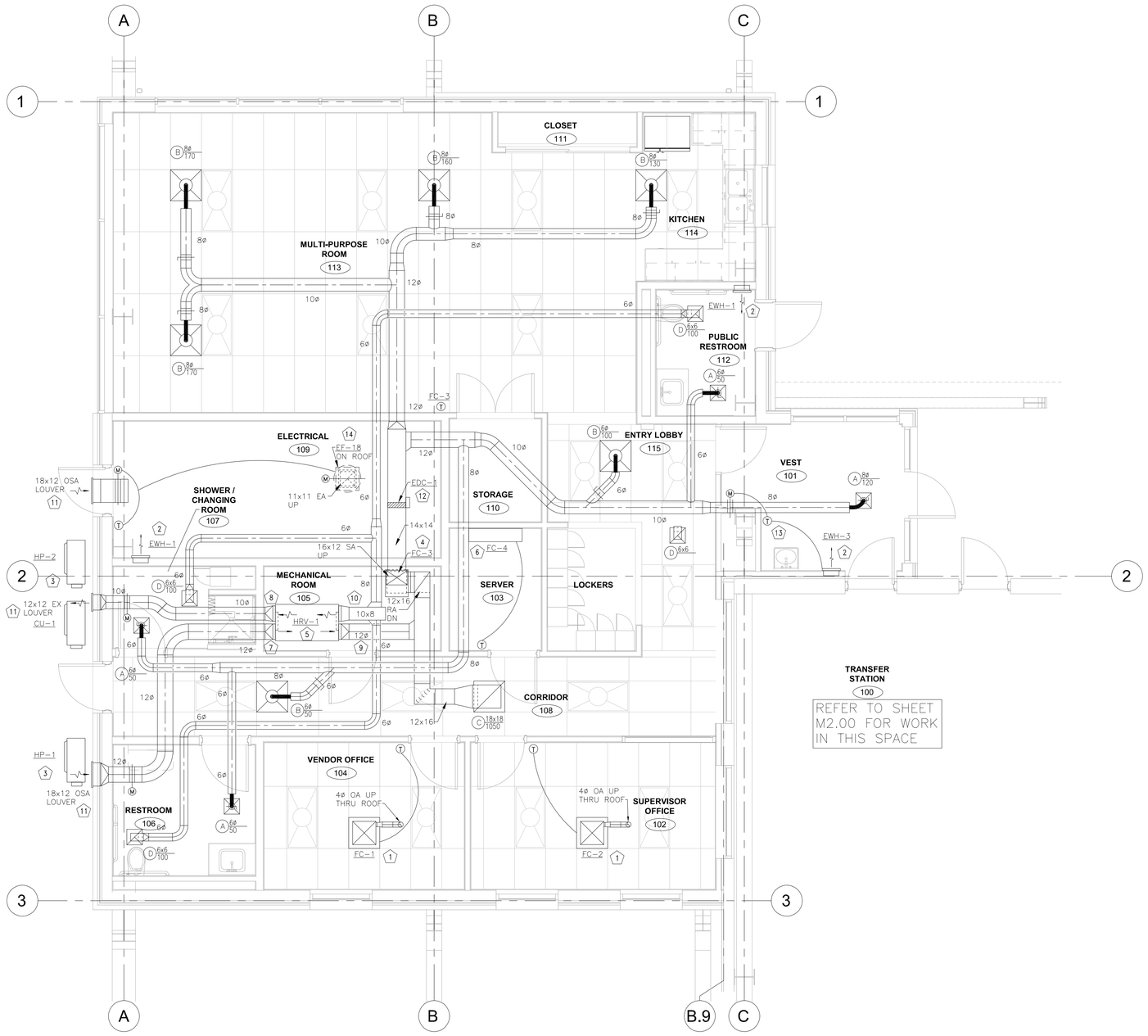
DESCHUTES COUNTY
SOLID WASTE DEPARTMENT
2400 NE MAPLE AVENUE
REDMOND, OREGON 97756

DRAWN BY:	MMS	CHECKED BY:	DAK	APPROVED BY:	JAS
DATE:	06/28/2022	DWG SCALE:	N.T.S.	PROJECT NO:	301-277.0004

SHEET INDEX

DRAWING NO.: **G001**



KEY NOTES – TRANSFER OFFICES

1. CEILING MOUNTED FAN COIL. ROUTE CONDENSATE TO MECHANICAL ROOM FLOOR DRAIN. INTERLOCK W/ WALL MOUNTED THERMOSTAT. ROUTE INSULATED OA TO ROOF & TERMINATE W/ RAIN PROOF CAP.
2. RECESSED WALL MOUNTED ELECTRIC HEATER W/ WALL MOUNTED THERMOSTAT W/ LOCKING COVER. REFER TO ENERGY NOTES FOR VESTIBULE HEATER AND COOLING REQUIREMENTS.
3. HEAT PUMP AT GRADE ON CONCRETE PAD. SECURE FOR WIND LOADING. REFRIGERANT LINES TO BE OF SIZE AND CONFIGURATION AS RECOMMENDED BY MANUFACTURER.
4. VERTICAL FAN COIL MOUNTED ON ELEVATED STAND. PROVIDE FLEX CONNECTORS AT SUPPLY & RETURN AIR CONNECTIONS. ROUTE CONDENSATE TO FLOOR DRAIN. INTERLOCK FURNACE W/ MOTORIZED OA INTAKE DAMPER TO OPEN DAMPER UPON ACTIVATION OF FAN. HOLD SUPPLY DUCTWORK TO BOTTOM OF STRUCTURE.
5. HEAT RECOVERY VENTILATOR SUSPENDED FROM STRUCTURE W/ VIBRATION ISOLATION. ALL INLETS/OUTLETS ARE 14x8, TRANSITION AS INDICATED. MOUNT REMOTE PANEL NEXT TO FC-3 T-STAT. INTERLOCK W/ TIME CLOCK FOR OCCUPIED/UNOCCUPIED CONTROL.
6. WALL MOUNTED FAN COIL INTERLOCKED W/ WALL MOUNTED THERMOSTAT. ROUTE CONDENSATE TO EXTERIOR W/ DRIP PAD.
7. ROUTE 12ø TO OA INTAKE LOUVER.
8. ROUTE 10ø TO EXHAUST AIR LOUVER.
9. ROUTE 12ø TO FC-3 RA.
10. ROUTE AS INDICATED TO RESTROOMS & SHOWER.
11. 6" DEEP DRAINABLE LOUVER W/ BIRDSCREEN OF SIZE INDICATED AND MINIMUM 55% FREE AREA. FINISH & COLOR TO BE PER ARCHITECT.
12. ELECTRIC DUCT COIL W/ SCR CONTROL.
13. VESTIBULE H/C:
    SETPOINTS ARE 60°F HEATING & 85°F COOLING.
    HEATING LOCKED OUT WHEN OAT > 45°F.
14. ROOF MOUNTED EXHAUST FAN W/ INLET MOTORIZED DAMPER. INTERLOCK W/ WALL MOUNTED THERMOSTAT & OA MOTORIZED DAMPER. DAMPER TO BE GREENHECK ICD-45.

1 HVAC FLOOR PLAN - TRANSFER STATION OFFICE

1/4" = 1'-0" @ FULL SIZE

0' 1' 2' 4'

PROJECT NORTH

TRUE NORTH

CONSULTING ENGINEERS
1345 NW WALL, SUITE 101
BEND, OREGON 97701
PHONE (541) 318-0404
cea@cea-engineering.com

REVISION RECORD

NO	DATE	DESCRIPTION
	03/15/2022	PERMIT SET
1	07/15/2022	ADDENDUM 1

Civil & Environmental Consultants, Inc.
4045 NW 64th Street · Suite 415 · Oklahoma City, OK 73116
Ph: 405.246.9411
www.ceiinc.com
C.A. #4439 EXP. 6/30/20

NEGUS RECYCLING AND TRANSFER FACILITY
2400 NE MAPLE AVE.
REDMOND, OREGON 97756

ENLARGED OFFICE HVAC PLAN
TRANSFER STATION

DATE:	07-15-2022
DRAWN BY:	BB
DWG SCALE:	1/4"= 1'-0"
CHECKED BY:	LS
PROJECT NO:	000-000.AW00
APPROVED BY:	

DRAWING NO.: M3.00

SHEET 1 OF 3

IRRIGATION NOTES

A. THIS DESIGNED SYSTEM REQUIRES A MINIMUM STATIC PRESSURE OF XX PSI AND A MAXIMUM FLOW OF XX GPM AT THE POINT OF CONNECTION. NOTIFY THE LANDSCAPE ARCHITECT IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.

B. MAINLINE AND RELATED EQUIPMENT SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL MAINLINE AND RELATED EQUIPMENT LOCATION TO BE WITHIN PLANTERS AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES.

C. CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC.

D. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING REES WILL BE ALLOWED. AIR SPADE SHALL BE UTILIZED FOR ALL TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES.

E. BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL LOCATION TO BE WITHIN PLANTER. BUBBLERS SHALL BE LOCATED JUST OUTSIDE THE ROOTBALL ON OPPOSITE SIDES OF THE TREE.

F. ELECTRICAL WIRING FOR REMOTE CONTROL VALVES NOT SHOWN ON PLANS, CONTRACTOR INSTALL WIRING FOR ALL VALVES AND USE PVC SLEEVING FOR WIRE RUNS UNDER CONCRETE OR HARDSCAPE.

G. CONTRACTOR SHALL INSTALL HUNTER MINI-CLIK RAIN SENSOR ON SYSTEM AND MOUNTED ON BUILDING WHERE IT WILL BE EXPOSED TO DIRECT, UNOBSTRUCTED RAINFALL (BUT AWAY FROM SPRINKLER SPRAY). CHECK FOR OBSTRUCTIONS TO RAINFALL SUCH AS OVERHANGS, TREES, ETC.

H. ALL SPRAY IRRIGATION TO ACHIEVE HEAD-TO-HEAD COVERAGE AND MINIMIZE OVER SPRAY. CONTRACTOR TO VERIFY IN FIELD AND MAKE NECESSARY ADJUSTMENTS.

I. CONTRACTOR TO INSTALL BLOWOUT VALVE IN THE SYSTEM FOR WINTERIZATION PER CITY OF BEND STANDARD DRAWING L-7.

J. CONTRACTOR TO COORDINATE POWER TO IRRIGATION CONTROLLER WITH ELECTRICAL CONTRACTOR.

K. ALL LATERAL END RUNS SHALL BE 3/4" PVC SCHEDULE 40 PIPE UNLESS OTHERWISE NOTED ON PLANS.

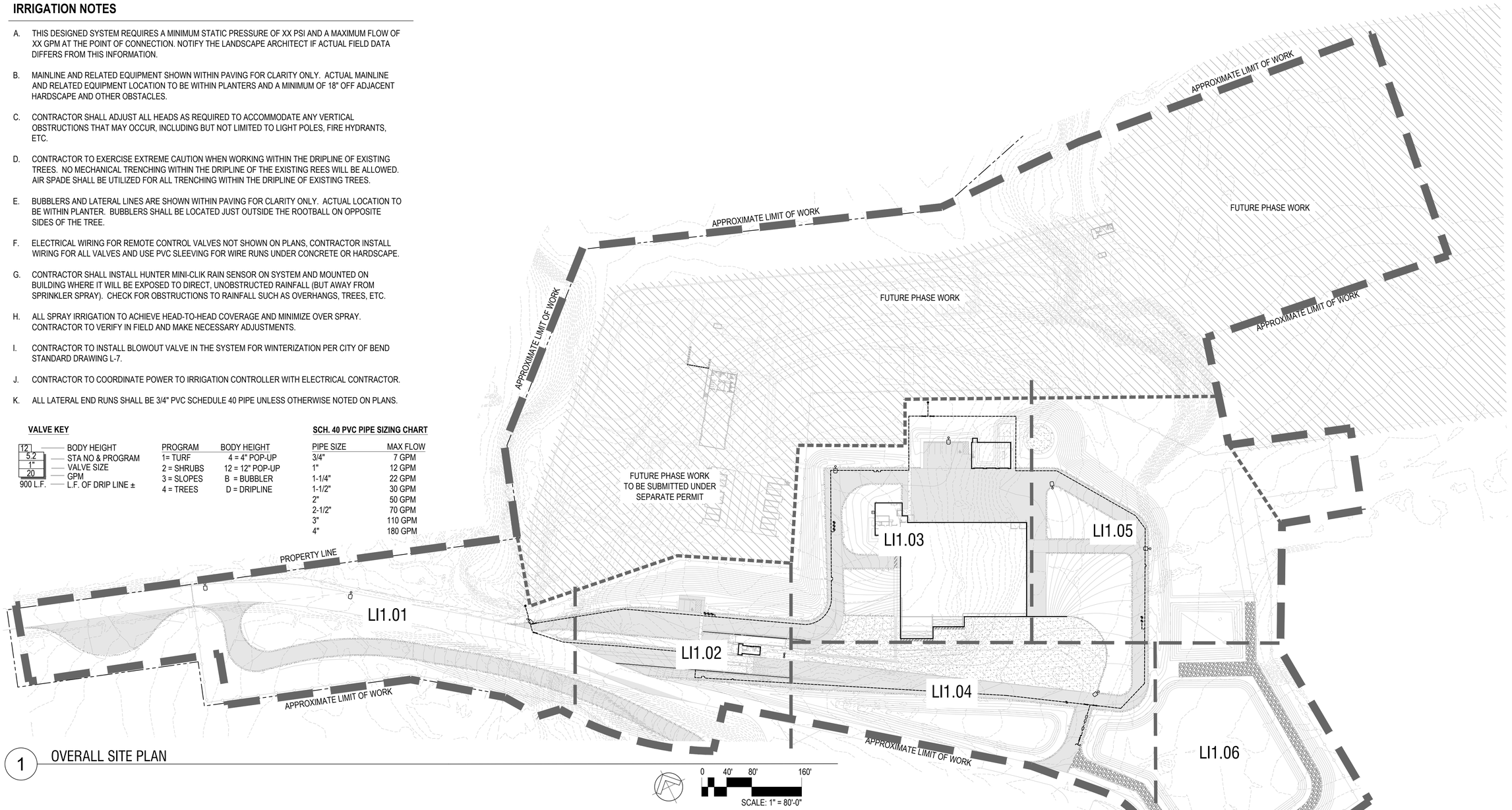
VALVE KEY

12 — BODY HEIGHT
5.2 — STA NO & PROGRAM
1" — VALVE SIZE
20 — GPM
900 L.F. — L.F. OF DRIP LINE ±

PROGRAM	BODY HEIGHT
1= TURF	4 = 4" POP-UP
2 = SHRUBS	12 = 12" POP-UP
3 = SLOPES	B = BUBBLER
4 = TREES	D = DRIPLINE

SCH. 40 PVC PIPE SIZING CHART

PIPE SIZE	MAX FLOW
3/4"	7 GPM
1"	12 GPM
1-1/4"	22 GPM
1-1/2"	30 GPM
2"	50 GPM
2-1/2"	70 GPM
3"	110 GPM
4"	180 GPM



1 OVERALL SITE PLAN

REVISION RECORD

NO	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
4045 NW 64th Street · Suite 415 · Oklahoma City, OK 73116
Ph: 405.246.9411
www.cecinc.com

SITE LAYOUT PLAN
NEGUS RECYCLING
TRANSFER STATION
REDMOND OREGON
ISSUE FOR PERMIT MAY 27, 2022

LANDSCAPE IRRIGATION PLAN

DATE: 5/27/2022
DRAWN BY:
DWG SCALE:
CHECKED BY:
PROJECT NO:
APPROVED BY:

REGISTERED LANDSCAPE ARCHITECT
824
James M. Szabo
OREGON
02.24.2014

SZABO
LANDSCAPE
ARCHITECTURE
1000 NW WALL ST., STE 270 | BEND, OR 97703
541.382.2059 | WWW.SZABO-LA.COM

DRAWING NO.: LI1.00
SHEET OF

ATTACHMENT 3
REVISED SPECIFICATIONS

TABLE OF CONTENTS

VOLUME 1

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END OF TABLE OF CONTENTS

SECTION 360100

ELECTRONIC TRUCK SCALES

PART 1 GENERAL

1.1 RELATED WORK SPECIFIED ELSEWHERE

A. Concrete: Division 03

B. Electrical: Division 26

1.2 DESCRIPTION

A. Contractor shall furnish and install three (3) new 80-ft. long x 10-ft. wide scale.

1.3 SUBMITTALS

A. Vendor drawing of scales, and scale support requirements shall be submitted per section 01340.

B. Details of load cells.

1.4 QUALITY ASSURANCE

A. The manufacturer shall have been in the business of design and manufacture of similar truck scales for at least 10 years. The manufacturer shall be capable of providing a local source of parts and service on a 24 hours per day, 7 days per week work basis. Service call response time shall be no more than 24 hours.

B. The scales shall be manufacturer's standard design and shall have NTEP (National Type Evaluation Program) certification for scale and load cells.

C. Manufacturer shall supply examples of past proven similar type installation.

PART 2 PRODUCTS

2.1 GENERAL

A. Scales shall be fully electronic "low profile" in design, and shall not incorporate any mechanical weighing elements, check rods, or check stays.

B. The scales shall each have a minimum capacity of 100 tons.

C. The scale shall be a minimum of 80-feet long and 10-feet wide.

D. The load cell stands and load cell suspension components shall be designed for the Sensortronics, Model 65058-50K Double ended, center loaded, shear beam load cell, or approved equal. Load cell must be available from more than one supplier and must be interchangeable. Load cells shall be mounted no less than 12" above concrete pier and shall be mounted outside of the weighbridge for ease of maintenance. Platform movement shall be controlled by adjustable bumper bolts mounted on the weighbridge. Self check load cells or check rods are not allowed.

E. Digital weight indication shall be in no greater than 20 pound increments.

F. The scales shall have a maximum of 3 modules and a maximum of 8 load cells. The scales shall be designed to perform as a single weighing platform. The Concentrated Load Capacity shall be a minimum of 66,000 lbs. Side rails shall be included for an added safety measure to assure that vehicles cannot drive off the side of scales.

G. There shall be no bolted connections between the load cell and weighbridge assemblies.

H. Steel weighbridge with 8-inch thick, site cast steel reinforced concrete deck.

I. A comprehensive surge voltage protection system shall be included with the scale that shall, at a minimum, consist of surge suppression circuits located in the scale platform junction box, an instrument load cell input protector, and an arc line protector.

2.2 DIGITAL INSTRUMENTATION

A. The instrumentation shall be through a microprocessor-based digital weight indicator. The digital instrument should meet or exceed the following specifications:

   a. The instrument shall be mounted in a stainless steel NEMA 4 enclosure.

   b. RFI and EMI protected.

   c. Digital display shall have eight (8) digits with polarity indication.

   d. RAM memory: 64K with battery back-up system for memory retention and including surge voltage protection.

B. Touch sensitive front panel controls shall have the following functions:

   a. Keyboard calibration

   b. Span and dead load offset through keyboard

   c. Pushbutton zero

   d. Lb/kg conversion

   e. Pushbutton tare

   f. Gross/net weight selection

   g. LAMP and LED test sequence

   h. Center of zero indication

   i. Motion detection with inhibit

   j. Over/under tolerance zone selection

   k. Automatic zero tracking with on/off selection

   l. Data send button

C. The instrument shall have provisions for remote display at each scale.

PART 3 EXECUTION

3.1 INSTALLATION

A. All weighbridge modules must be factory assembled and welded. No bolt together weighbridges or bolt on cross members will be accepted.

B. All exterior surfaces of the scale shall have a two-part epoxy primer coat to a minimum of 2 mils dry film thickness, and a two-part finish coat of epoxy paint to a minimum of 2 mils dry film thickness.

C. Interior portions of the scale weighbridge where concrete will be poured shall have a zinc rich primer coat applied to a minimum of 2 mils dry film thickness.

END OF SECTION

10.0 PROFESSIONAL AUTHENTICITY

This report has been authored and reviewed by the undersigned, respectively. This report is void if the original seal(s) and signature(s) are not included.

Digitally signed by Adam Larson
Date: 2020.10.23 13:36:06-07'00'

Adam Larson, P.E.
Staff Geotechnical Engineer

Lisa M. Splitter, P.E., G.E.
2020.10.23 14:45:37-07'00'

Lisa Splitter, P.E., G.E.
Senior Geotechnical Engineer

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