



ADDENDUM # 2

Project: RVTD Transportation Building (2017.01)

Date: June 13, 2023

To: Interested Bidders

Prepared by: Burke Wardle, AIA



This Addendum modifies the Project Manual, Specifications, and Drawings as follows:

1. General Information

1.1. N/A

2. Changes to the Project Manual

2.1. Specification Section 32 3313 Site Bicycle Racks (Reissued)

2.1.1. Change 2.02 A 1. to the following: "Inverted U-shaped rack formed by one bend of round pipe at a continuous radius and matching the approved product options listed in 2.01 above, or approved equal by Owner's Representative.

2.1.2. Change 2.02 A 4. to the following: "Finish: Satin brushed."

2.1.3. Change 2.02 B 1. to the following: "Pipe: Stainless steel, ASTM A312/A312M, Type 304, Schedule 40S."

3. Changes to the Drawings

3.1. C111 - Mobilization Erosion and Sediment Control Plan: (Reissued) Removed demolition of sheds, added removal of concrete debris.

3.2. C200 - Site Existing Conditions and Demolition Plan: (Reissued) Removed demolition of sheds, added removal of concrete debris.

3.3. C201 - Campus Existing Conditions and Demolition Plan: (Reissued) Removed demolition of sheds.

3.4. Sheet E601 - Schedules: (Reissued) Added Approved Alternates.

4. Substitution Approvals

4.1. Specification Section 23 2116 Hydronic Piping Specialties

4.1.1. Part 2.08 Buffer Tanks. Add: John Wood Company to Acceptable Manufacturers.

4.1.2. Part 2.05 Expansion Tanks: Add John Woods Company to Acceptable Manufacturers.

- 4.1.3. Part 2.04 C. Coalescing Air Separators: Add Thrush to Acceptable Manufacturers.
- 4.2. Sheet C401 Sanitary Sewer Construction Notes #3. Oil Water Separator –
- 4.2.1. Add Striem to Acceptable Manufacturers.
- 4.3. Sheet E601 - Schedules: (Reissued) Added Approved Alternates:
- 4.3.1.

Type	Manufacturer
C4	PINNACLE
D4, D6	PORTFOLIO
F	PINNACLE
G	LIGMAN ULEE
H	METALUX XXSNX
K1, K2	XAL CURVE 2.5
Q	PINNACLE
QA	PINNACLE
W	PINNACLE
X	SURE-LITES

5. Pre-Bid Questions

- 5.1. Q: Casework specs call out for custom grade cabinets and decorative laminate at semi-exposed surfaces (2.01 A and B; This is considered premium grade). Please verify that the design intent is for custom grade with white melamine at semi-exposed surfaces (or premium grade with plastic laminate at semi-exposed surfaces).
- 5.1.1. A: Custom grade with melamine at semi-exposed surfaces. Open shelves in cabinets without doors to be plastic laminate.
- 5.2. Q: Please verify we are approved to use melamine (or plam, per previous question) on MDF for drawer bottoms (not hardboard).
- 5.2.1. A: Melamine on MDF drawer bottoms is acceptable.
- 5.3. Q: Please verify that we are approved to use dowel construction at drawer boxes (not lock shoulder).
- 5.3.1. A: Drawer Construction Type: Lock shoulder joints.
- 5.4. Q: Please verify that we are approved to use 1/4" thick MDF at cabinet backs.
- 5.4.1. A: No exceptions taken.
- 5.5. Q: Please verify that we are approved to use 5/8" thick industrial grade particle board at the drawer sides, sub-front and back.
- 5.5.1. A: No exceptions taken.
- 5.6. Q: Please verify that we are approved to use industrial grade particle board at the front of the drawers.
- 5.6.1. A: No exceptions taken.
- 5.7. Q: Please verify we are approved to use industrial grade particle board at cabinet doors.
- 5.7.1. A: No exceptions taken.
- 5.8. Q: Plans (C400, T100, A011,) call out vaults/handholds for power/data but there is no spec for size/type.
- 5.8.1. A: Sheet T100 shows locations, calls out type, and size of handholes. Specification 26 05 33 Raceways and Boxes for Electrical Systems, 2.06, B describes.
- 5.9. Q: Who is providing Access Points on the project? Who is providing the Nema 3 or Nema 4 boxes with antennas for external access points?

- 5.9.1. A: Contractor vs. Owner (access points, NEMA access point enclosures, etc.) – reference specifications:
 - a. Specification Section 27 05 00 General Communications Requirements, 1.11 Division of Work Between Owner and Contractors
- 5.10. Q: Who is performing the security/camera work on this project? Is it expected to be covered by the electrical contractor? Is the electrical contractor to provide cabling for the security/camera system?
 - 5.10.1. A Security scope
 - a. Video Surveillance – By Owner
 - b. Electronic Access Control – By Owner
 - c. Electrical Contractor shall provide pathways (backboxes and conduit):
 - 5.10.1.c.1. Refer to sheet T503, Detail 1 for door/wall rough-in, and Safety & Security plans for locations (including parking garage) T100, T141, T142, T143, T181, T182, T421, T431, T441
 - 5.10.1.c.2. Coordinate with Div 8 door hardware
 - 5.10.1.c.3. Coordinate with Owner's Security contractor
 - 5.10.1.c.4. Cable – coordinate with Owner's Security contractor
- 5.11. Q: Please verify whether EV chargers are all new, or some existing to be installed only.
 - 5.11.1. A: All EV chargers are new.
- 5.12. Q: Are there fire suppression systems in the MDF and IDF closets?
 - 5.12.1. A: No clean agent or suppression system in either Telecom room
 - a. Level 2 MDF has standard Fire Sprinkler System (per contract documents)
 - b. Level 1 IDF has Pre-Action Fire Sprinkler System (per contract documents)
- 5.13. Q: Detail 1, E401 Note 2 references a PV disconnect with details on detail 1/E611 but E611 has no info on this.
 - 5.13.1. A: Disconnect is shown on PV one line on E612.
- 5.14. Q: E-511 Keynotes 17, 18 in elevator shaft are not defined in the legend.
 - 5.14.1. A: Keynotes 17 and 18 are not used and should be deleted from detail.

-----End of Addenda-----

6. Attachments

- 6.1. Specification Section 32 3313 Site Bicycle Racks
- 6.2. C111 - Mobilization Erosion and Sediment Control Plan
- 6.3. C200 - Site Existing Conditions and Demolition Plan
- 6.4. C201 - Campus Existing Conditions and Demolition Plan
- 6.5. E601 - Schedules

**SECTION 32 33 13
SITE BICYCLE RACKS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Exterior bicycle racks.

1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete: Mounting surface for bicycle racks.

1.03 REFERENCE STANDARDS

- A. ASTM A312/A312M - Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes 2022.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Indicate size, shape, and dimensions, including clearances from adjacent walls, doors, and obstructions.
- D. Selection Samples: For each finish product specified, color chips representing manufacturer's full range of available colors and patterns.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Handle racks with sufficient care to prevent scratches and other damage to the finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Exterior Bicycle Racks:
 - 1. Huntco Supply, LLC; The Arc Bike Rack: www.huntco.com/#sle.
 - 2. MADRAX, a brand of Graber Manufacturing, Inc; Wingra Bike Rack: www.madrax.com/#sle.

2.02 BICYCLE RACKS

- A. Exterior Bicycle Racks: Device allows user-provided lock to simultaneously secure one wheel and part of the frame on each bicycle parked or racked.
 - 1. Style: Inverted U-shaped rack formed by one bend of round pipe at a continuous radius and matching the approved product options listed in 2.01 above, or approved equal by Owner's Representative.
 - 2. Capacity: 19 bicycles.
 - 3. Mounting, Ground: Surface flange.
 - 4. Finish: Satin brushed.
- B. Materials:
 - 1. Pipe: Stainless steel, ASTM A312/A312M, Type 304, Schedule 40S.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive bicycle racks.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory conditions before proceeding.
- C. Do not begin installation until unsatisfactory conditions are corrected.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install level, plumb, square, and correctly located as indicated on drawings.
- C. Surface Flange Installation: Anchor bicycle racks securely in place with 1/2 inch by 4 inch anchor bolts through flange holes.

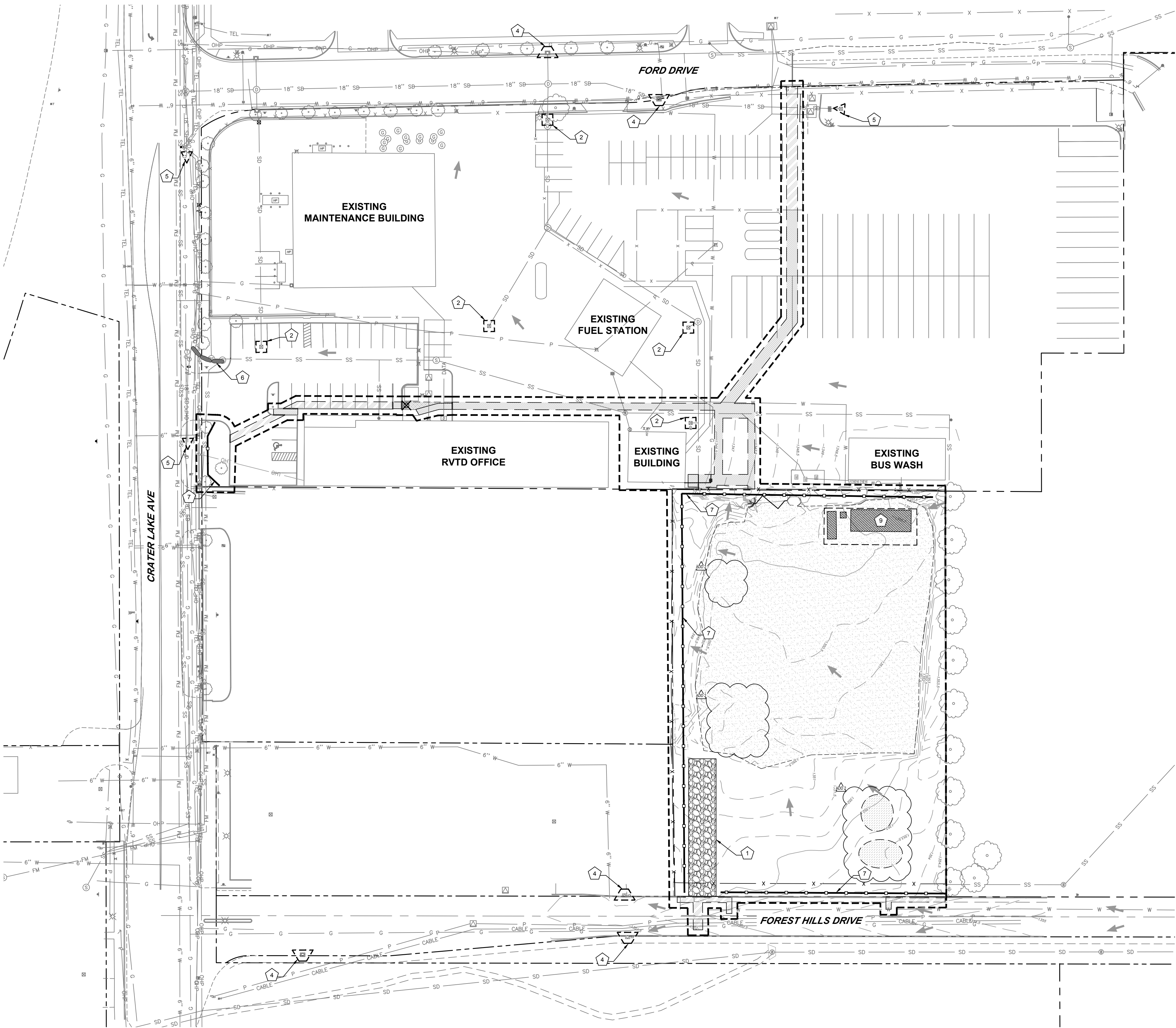
3.03 CLEANING

- A. Clean installed work to like-new condition. Do not use cleaning materials or methods that could damage finish.

3.04 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION



1 MOBILIZATION EROSION AND SEDIMENT CONTROL PLAN
C111

1"=40'

EROSION AND SEDIMENT CONTROL LEGEND:

- PHASE SPECIFIC CONSTRUCTION LEGEND
- CONCRETE DEBRIS TO BE REMOVED
 - ASPHALT PAVEMENT TO BE REMOVED
 - CONCRETE PAVEMENT TO BE REMOVED
 - GRAVEL PAVEMENT TO BE REMOVED
 - LANDSCAPING TO BE REMOVED
 - EXISTING UTILITY TO REMAIN
 - EXISTING UTILITY TO BE REMOVED
 - EXISTING GROUND CONTOUR (0.5 FT)
 - EXISTING GROUND CONTOUR (1 FT)
 - EXISTING TREE TO BE REMOVED

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY CONTRACTOR STAGING AREA
- LIMITS OF WORK (±1.60 ACRE)
- SEDIMENT FENCE
- STRAW WATTLE
- INLET PROTECTION - CATCH BASIN
- INLET PROTECTION - CURB INLET
- INLET PROTECTION - CULVERT
- EXISTING DRAINAGE FLOW DIRECTION

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

***ALL EROSION AND SEDIMENT CONTROL MEASURES ON SLOPES, AND AT CULVERT INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

***ALL NEW STORM DRAIN SYSTEM CATCH BASINS AND INLETS SHALL HAVE INLET PROTECTION INSTALLED PER ODOT STANDARD DRAWINGS RD1010 AND RD1015 AFTER INSTALLATION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.

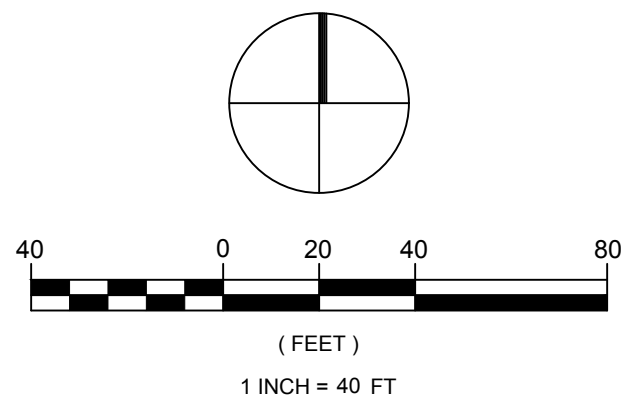
***ANY TRENCH OR EXCAVATION DEWATERING SHALL CONFORM TO THE REQUIREMENTS OF SECTION 2.4 OF THE 1200-C CONSTRUCTION STORMWATER GENERAL PERMIT. NO DISCHARGE OF UNMANAGED DEWATERING WATER IS PERMITTED TO ENTER THE EXISTING STORM SYSTEM. UNCONTAMINATED DEWATERING WATER MAY BE DISCHARGED TO A DEWATERING BAG SURROUNDED BY SEDIMENT FENCE (OR SIMILAR APPROACH). CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINAL DEWATERING PLAN BMPs BASED ON ACTUAL SITE CONDITIONS AND COMPLIANCE WITH THE 1200-C PERMIT.

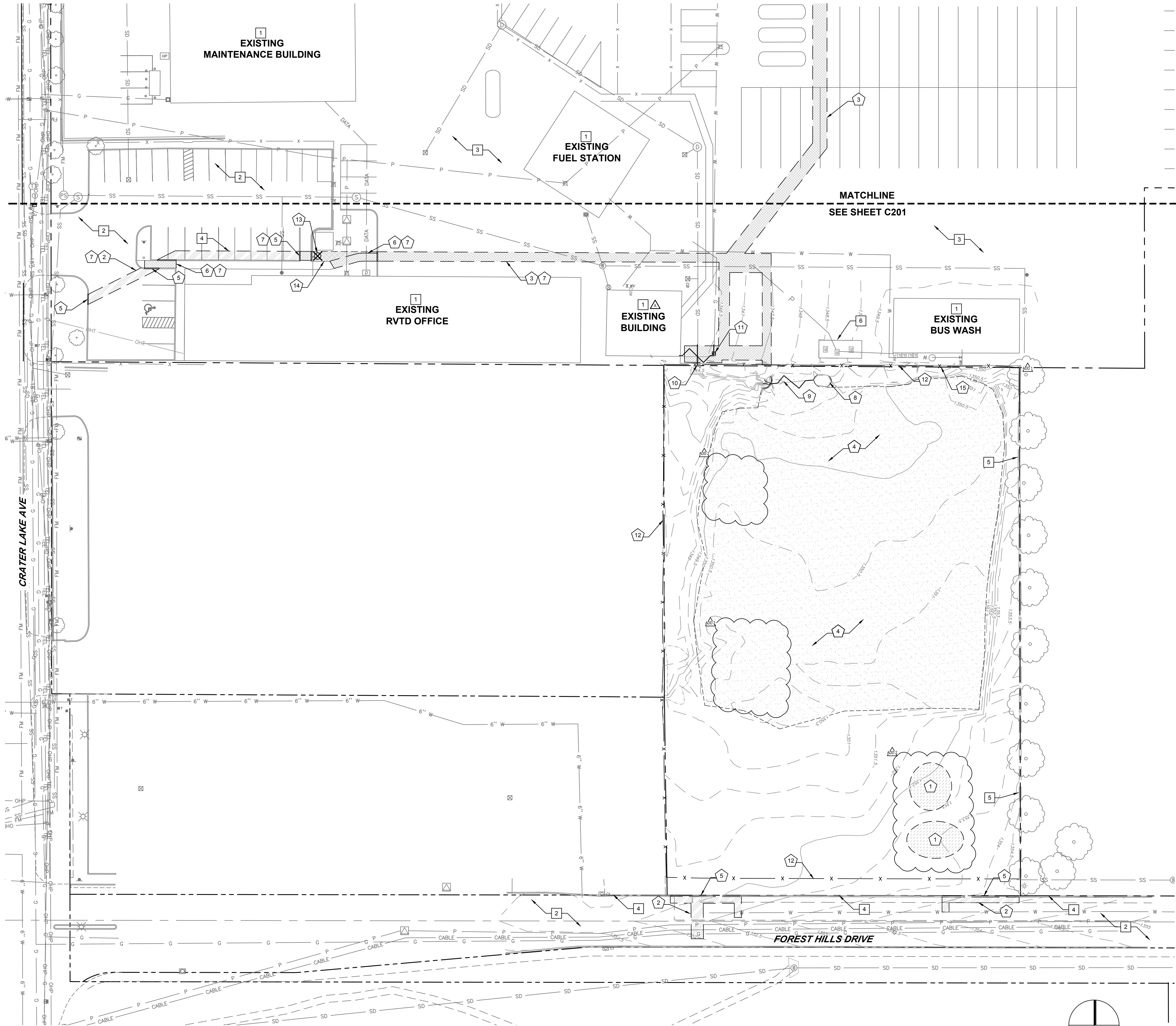
***THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.

***THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE AGENCIES HAVING JURISDICTION AND THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK.

EROSION AND SEDIMENT CONTROL NOTES:

- FURNISH AND MAINTAIN 25' WIDE BY 100' LONG CONSTRUCTION ENTRANCE PER ODOT RD1000.
- FURNISH AND MAINTAIN 'TYPE 3' INLET PROTECTION PER ODOT RD1010 AT ALL ON-SITE CATCH BASINS.
- NOTE NOT USED ON THIS SHEET.
- FURNISH AND MAINTAIN 'TYPE 10' INLET PROTECTION PER ODOT RD1010 AT ALL CURB INLETS SHOWN THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES (200 FEET MINIMUM) TO PREVENT ALL SEDIMENT FROM ENTERING STORM SYSTEM OR LEAVING THE SITE.
- FURNISH AND MAINTAIN 'TYPE 4' INLET PROTECTION PER ODOT RD1015 AT ALL DOWNSTREAM STORM OUTLETS THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES (200 FEET MINIMUM) TO PREVENT ALL SEDIMENT FROM ENTERING STORM SYSTEM OR LEAVING THE SITE.
- FURNISH AND MAINTAIN 'TYPE 3' SEDIMENT BARRIER PER ODOT RD1030 AT LOCATIONS SHOWN.
- FURNISH AND MAINTAIN PERIMETER SEDIMENT FENCE AS SHOWN PER ODOT RD1040.
- NOTE NOT USED ON THIS SHEET.
- APPROXIMATE LOCATION OF CONTRACTOR LAYDOWN, TRAILER, PARKING, TEMPORARY RESTROOMS, AND TRASH/RECYCLING FACILITIES.

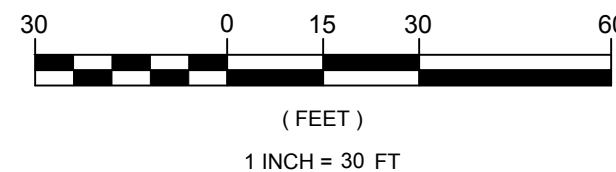




1
C200

SITE EXISTING CONDITIONS AND DEMOLITION PLAN

1"=30'



DEMOLITION LEGEND:

- EXISTING CONCRETE DEBRIS TO BE REMOVED
- EXISTING ASPHALT PAVING TO BE REMOVED AND RECYCLED
- EXISTING CONCRETE TO BE REMOVED AND RECYCLED
- EXISTING GRAVEL PAVING TO BE REMOVED AND RECYCLED
- EXISTING LANDSCAPING TO BE REMOVED
- EXISTING CURB TO BE REMOVED
- EXISTING FENCING TO BE REMOVED
- EXISTING UTILITY TO REMAIN
- EXISTING UTILITY TO BE REMOVED
- EXISTING GROUND CONTOUR (0.5 FT)
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING STRUCTURE TO BE REMOVED
- EXISTING STRUCTURE TO REMAIN

DEMOLITION AND PROTECTION NOTES:

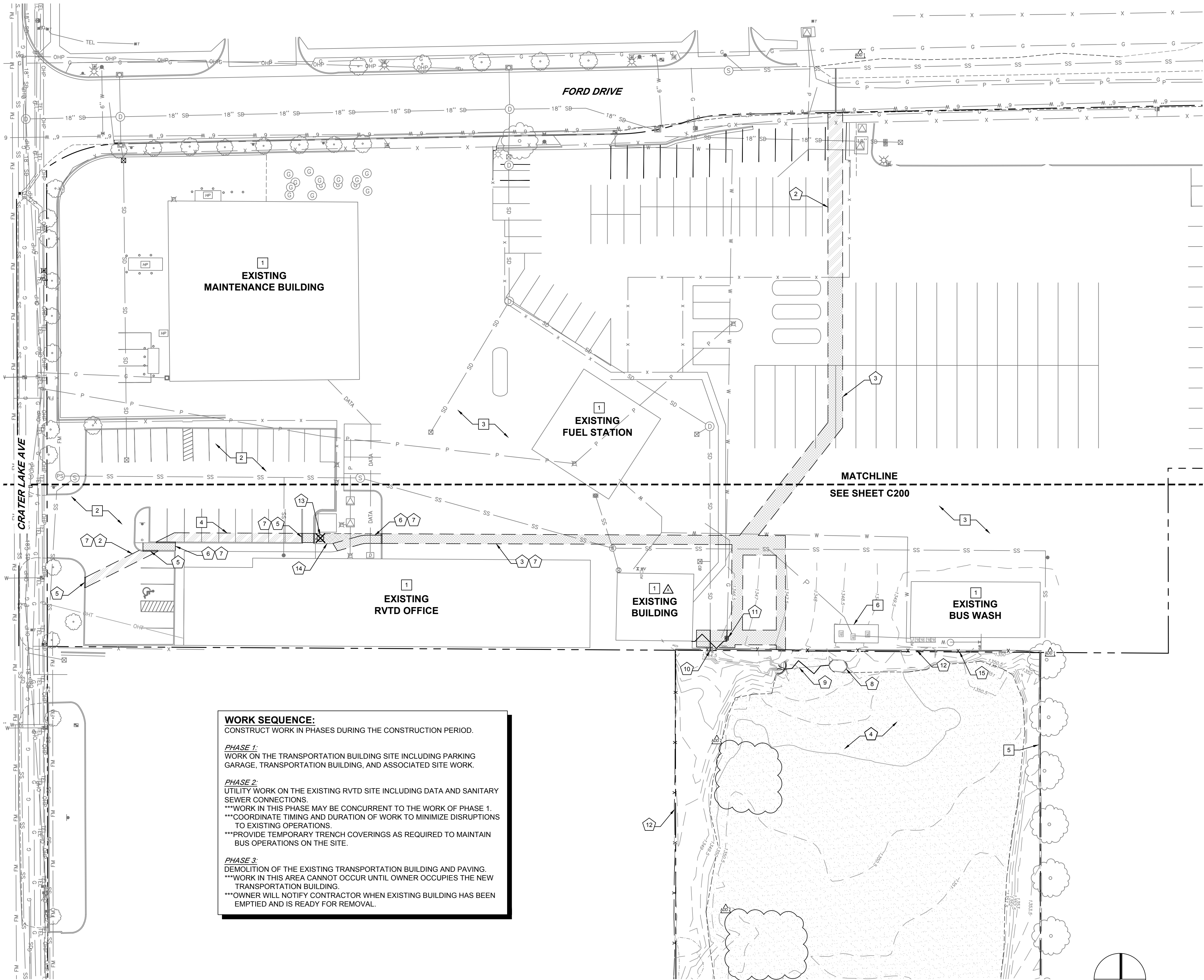
- GENERAL DEMOLITION AND PROTECTION NOTES:
 - CONTRACTOR SHALL FIELD VERIFY LIMITS OF ASPHALT/CONCRETE/ETC. DEMOLITION AND ADJUST AS REQUIRED.
 - PROVIDE SMOOTH VERTICAL SAWCUT AT ALL EXTERIOR LIMITS OF ASPHALT/CONCRETE REMOVAL.
 - UPON MOBILIZATION, CONTRACTOR SHALL POTHOLE EXISTING BURIED UTILITIES AND STRUCTURES (AS INDICATED) TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT, SIZE, AND MATERIAL.
 - CONTRACTOR SHALL REPORT TO ENGINEER FOR DIRECTION IN EVENT OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.
 - CONTRACTOR SHALL COORDINATE VEHICULAR AND PEDESTRIAN ACCESS REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE UTILITY SHUTOFF(S) WITH OWNER AND UTILITY PROVIDER 48 HOURS MINIMUM PRIOR TO CONSTRUCTION TO ENSURE MINIMAL SERVICE DISRUPTION DURING OPERATION HOURS.
 - CONTRACTOR SHALL STORE SALVAGED MATERIALS ON SITE (OR AT AN APPROVED OFF SITE LOCATION) FOR REUSE.
 - WHERE INDICATED, EXISTING STRUCTURES, HARDSCAPE, AND UTILITIES/APPURTENANCES SHALL BE PROTECTED THROUGHOUT ALL PHASES OF CONSTRUCTION.

DEMOLITION NOTES:

- APPROXIMATE LOCATION OF CONCRETE DEBRIS TO BE REMOVED AND RECYCLED.
- ASPHALT PARKING AND MANEUVERING AREAS TO BE REMOVED AND RECYCLED.
- REINFORCED CONCRETE PARKING AND MANEUVERING AREAS TO BE REMOVED AND RECYCLED.
- GRAVEL PAVING TO BE REMOVED AND RECYCLED AS REQUIRED. CONTRACTOR MAY ELECT TO STORE GRAVEL ON SITE FOR REUSE. GEOTECHNICAL ENGINEER OF RECORD SHALL INSPECT AND APPROVE MATERIAL PRIOR TO REUSE.
- CONCRETE CURB TO BE REMOVED AND RECYCLED, TYPICAL.
- CONCRETE SIDEWALK TO BE REMOVED AND REPLACED.
- APPROXIMATE SAWCUT/TRENCH FOR NEW DATA SERVICES. COORDINATE FINAL LOCATION WITH UTILITY PROVIDERS AND SYSTEMS WEST DURING CONSTRUCTION.
- CONCRETE STORM STRUCTURE TO BE REMOVED.
- STORM CULVERT TO BE REMOVED.
- REMOVE STORM INLET. PIPE TO BE CONNECTED TO NEW ON-SITE SYSTEM PER C300.
- GAS METER, BOLLARDS, AND GAS SERVICE TO BE REMOVED. CAP EXISTING SERVICE LATERAL AND COORDINATE WITH AVISTA DURING CONSTRUCTION.
- CHAIN LINK FENCING, POSTS, AND GATE TO BE REMOVED.
- EXISTING TREE AND ROOT BALL TO BE REMOVED.
- LANDSCAPING TO BE REMOVED.
- EXISTING PROPERTY BOUNDARY TO BE DISSOLVED. REPLAT SHALL BE RECORDED BY A LICENSED LAND SURVEYOR AND ACCEPTED BY THE CITY PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.

PROTECTION NOTES:

- BUILDING TO REMAIN.
- ASPHALT PAVEMENT TO REMAIN.
- CONCRETE PAVEMENT TO REMAIN.
- CONCRETE CURB TO REMAIN.
- CMU WALL TO REMAIN.
- POWER TRANSFORMERS TO REMAIN.



WORK SEQUENCE:
CONSTRUCT WORK IN PHASES DURING THE CONSTRUCTION PERIOD.

PHASE 1:
WORK ON THE TRANSPORTATION BUILDING SITE INCLUDING PARKING GARAGE, TRANSPORTATION BUILDING, AND ASSOCIATED SITE WORK.

PHASE 2:
UTILITY WORK ON THE EXISTING RVTD SITE INCLUDING DATA AND SANITARY SEWER CONNECTIONS.
***WORK IN THIS PHASE MAY BE CONCURRENT TO THE WORK OF PHASE 1.
***COORDINATE TIMING AND DURATION OF WORK TO MINIMIZE DISRUPTIONS TO EXISTING OPERATIONS.
***PROVIDE TEMPORARY TRENCH COVERINGS AS REQUIRED TO MAINTAIN BUS OPERATIONS ON THE SITE.

PHASE 3:
DEMOLITION OF THE EXISTING TRANSPORTATION BUILDING AND PAVING.
***WORK IN THIS AREA CANNOT OCCUR UNTIL OWNER OCCUPIES THE NEW TRANSPORTATION BUILDING.
***OWNER WILL NOTIFY CONTRACTOR WHEN EXISTING BUILDING HAS BEEN EMPTIED AND IS READY FOR REMOVAL.

- DEMOLITION LEGEND:**
- EXISTING CONCRETE DEBRIS TO BE REMOVED
 - EXISTING ASPHALT PAVING TO BE REMOVED AND RECYCLED
 - EXISTING CONCRETE TO BE REMOVED AND RECYCLED
 - EXISTING GRAVEL PAVING TO BE REMOVED AND RECYCLED
 - EXISTING LANDSCAPING TO BE REMOVED
 - EXISTING CURB TO BE REMOVED
 - EXISTING FENCING TO BE REMOVED
 - EXISTING UTILITY TO REMAIN
 - EXISTING UTILITY LINE TO BE REMOVED
 - EXISTING GROUND CONTOUR (0.5 FT)
 - EXISTING GROUND CONTOUR (1 FT)
 - EXISTING TREE TO REMAIN
 - EXISTING TREE TO BE REMOVED
 - EXISTING STRUCTURE TO BE REMOVED
 - EXISTING STRUCTURE TO REMAIN

- DEMOLITION AND PROTECTION NOTES:**
- GENERAL DEMOLITION AND PROTECTION NOTES:**
*** CONTRACTOR SHALL FIELD VERIFY LIMITS OF ASPHALT/CONCRETE/ETC. DEMOLITION AND ADJUST AS REQUIRED.
- *** PROVIDE SMOOTH VERTICAL SAWCUT AT ALL EXTERIOR LIMITS OF ASPHALT/CONCRETE REMOVAL.
- *** UPON MOBILIZATION, CONTRACTOR SHALL POTHOLE EXISTING BURIED UTILITIES AND STRUCTURES (AS INDICATED) TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT, SIZE, AND MATERIAL.
- *** CONTRACTOR SHALL REPORT TO ENGINEER FOR DIRECTION IN EVENT OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.
- *** CONTRACTOR SHALL COORDINATE VEHICULAR AND PEDESTRIAN ACCESS REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- *** CONTRACTOR SHALL COORDINATE UTILITY SHUTOFF(S) WITH OWNER AND UTILITY PROVIDER 48 HOURS MINIMUM PRIOR TO CONSTRUCTION TO ENSURE MINIMAL SERVICE DISRUPTION DURING OPERATION HOURS.
- *** CONTRACTOR SHALL STORE SALVAGED MATERIALS ON SITE (OR AT AN APPROVED OFF SITE LOCATION) FOR REUSE.
- *** WHERE INDICATED, EXISTING STRUCTURES, HARDSCAPE, AND UTILITIES/APPURTENANCES SHALL BE PROTECTED THROUGHOUT ALL PHASES OF CONSTRUCTION.

- DEMOLITION NOTES:**
- NOTE NOT USED THIS SHEET.
 - ASPHALT PARKING AND MANEUVERING AREAS TO BE REMOVED AND RECYCLED.
 - REINFORCED CONCRETE PARKING AND MANEUVERING AREAS TO BE REMOVED AND RECYCLED.
 - GRAVEL PAVING TO BE REMOVED AND RECYCLED AS REQUIRED. CONTRACTOR MAY ELECT TO STORE GRAVEL ON SITE FOR REUSE. GEOTECHNICAL ENGINEER OF RECORD SHALL INSPECT AND APPROVE MATERIAL PRIOR TO REUSE.
 - CONCRETE CURB TO BE REMOVED AND RECYCLED.
 - CONCRETE SIDEWALK TO BE REMOVED AND REPLACED.
 - APPROXIMATE SAWCUT/TRENCH FOR NEW DATA SERVICES. COORDINATE FINAL LOCATION WITH UTILITY PROVIDERS AND SYSTEMS WEST DURING CONSTRUCTION.
 - CONCRETE STORM STRUCTURE TO BE REMOVED.
 - STORM CULVERT TO BE REMOVED.
 - REMOVE STORM INLET. PIPE TO BE CONNECTED TO NEW ON-SITE SYSTEM PER C300.
 - GAS METER, BOLLARDS, AND GAS SERVICE TO BE REMOVED. CAP EXISTING SERVICE LATERAL AND COORDINATE WITH AVISTA DURING CONSTRUCTION.
 - CHAIN LINK FENCING, POSTS, AND GATE TO BE REMOVED.
 - EXISTING TREE AND ROOT BALL TO BE REMOVED.
 - LANDSCAPING TO BE REMOVED.
 - EXISTING PROPERTY BOUNDARY TO BE DISSOLVED. REPLAT SHALL BE RECORDED BY A LICENSED LAND SURVEYOR AND ACCEPTED BY THE CITY PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.

- PROTECTION NOTES:**
- BUILDING TO REMAIN.
 - ASPHALT PAVEMENT TO REMAIN.
 - CONCRETE PAVEMENT TO REMAIN.
 - CONCRETE CURB TO REMAIN.
 - CMU WALL TO REMAIN.
 - POWER TRANSFORMERS TO REMAIN.



CONSTRUCTION DOCUMENTS - ISSUE FOR BID
RVTD TRANSPORTATION BUILDING
PIVOT PROJECT #: 2017.01
ZCS PROJECT #: M-0304-22
ROGUE VALLEY TRANSIT DISTRICT
3131 FOREST HILLS DRIVE (GARAGE)
MEDFORD OREGON 97504

SHEET TITLE:
CAMPUS EXISTING CONDITIONS AND DEMOLITION PLAN

REVISIONS:		
#	DESCRP.	DATE
PR-01		03.17.2023
ADD 1		06.01.2023
ADD 2		06.13.2023

ISSUE DATE: 06.01.2023

LUMINAIRE SCHEDULE					
TYPE	DESCRIPTION	BOD MANUFACTURER	LAMP/POWER	ADDITIONAL SPECIFICATIONS AND NOTES	
C4	4 X 3 X 48 INCH SURFACE MOUNT LED LINEAR LUMINAIRE WITH SATIN LENS	AXIS WET BEAM OR APPROVED PINNACLE EDGE EX3 WET SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 500LM/F INPUT POWER: 24W VOLTAGE: UNV	MOUNTING: SURFACE HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: .125 INCH SATIN ACRYLIC DRIVER: 0-10V DIMMING MISC:	
D4	4(DIA) X 6.6 INCH RECESSED LED DOWNLIGHT	GOTHAM EVO4SH SERIES OR APPROVED PORTFOLIO LD4C SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 1000LM INPUT POWER: 8.8W VOLTAGE: MVOLT (120-277V)	MOUNTING: RECESSED HOUSING: 20G GALV. STEEL LENS/REFLECTOR: MED WIDE DISTRIBUTION, CLEAR, SEMI-SPECULAR DRIVER: 0-10V, TO 1% DIM MISC: SELF-FLANGED	
D6	6(DIA) X 6.6 INCH RECESSED LED DOWNLIGHT	GOTHAM EVO6SH SERIES OR APPROVED PORTFOLIO LD6C SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 1000LM INPUT POWER: 9.6W VOLTAGE: MVOLT (120-277V)	MOUNTING: RECESSED HOUSING: 20G GALV. STEEL LENS/REFLECTOR: MED WIDE DISTRIBUTION, CLEAR, SEMI-SPECULAR DRIVER: 0-10V, TO 1% DIM MISC: SELF-FLANGED	
F(XX)	2.5 X 2.5 X (XX) RECESSED LED LINEAR LUMINAIRE	FINELITE HP2RD HP2RDX(FT)-B-835-F-96LG OR APPROVED PINNACLE EDGE EV2D SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 423 LM/FT INPUT POWER: 6.8W /FT VOLTAGE: 120V	MOUNTING: PENDANT HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: ROUND DIFFUSE DRIVER: 0-10V DIMMING MISC: WHITE	
G	13 X 4.5 X 4 INCH EXTERIOR LINEAR FAÇADE SURFACE MOUNT - DIRECT ONLY	BEGA 22360 OR APPROVED LIGMAN ULEE-30011 SERIES	LIGHT SOURCE: LED COLOR TEMP: 3000K CRI: 80+ CRI OUTPUT: 1024LM INPUT POWER: 15.4W VOLTAGE: MVOLT (120-277V)	MOUNTING: SURFACE HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: DRIVER: MISC:	
H(XX)	2 X 3 X (XX) INCH STRIP LIGHT WITH CURVED ACRYLIC LENS	LITHONIA CLX CLX LXX SEF RDL OR APPROVED METALUX SNX SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 1000LM/FT INPUT POWER: 8W/FT VOLTAGE: MVOLT (120-277V)	MOUNTING: SURFACE HOUSING: 20G GALV. STEEL LENS/REFLECTOR: ROUND DIFFUSE DRIVER: 0-10V, TO 10% DIM MISC: SELF-FLANGED	
K1	2.5 X 4.5 INCH CUSTOM SURFACE MOUNT DIRECT ONLY LED ASSEMBLY WITH EXTRUDED ALUMINUM HOUSING. LENGTHS AND CURVES ARE ENGINEERED AND JOINED AS INDICATED ON DRAWINGS	CORONET LS CURVE VARIOUS SECTIONS - SEE DWGS OR APPROVED XAL CURVE 2.5	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 90 OUTPUT: 475 LM (FT) INPUT POWER: 12W (FT) VOLTAGE: MVOLT (120-277V)	MOUNTING: SURFACE HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: STANDARD DIFFUSER AT BOTTOM DRIVER: 0-10V DIMMING, TO 1% MISC: COORDINATE LOCATION OF LUMINAIRE AND PLACEMENT OF SUPPORTING STRUCTURE WITH ARCHITECT	
K2	2.5 X 4.5 INCH CUSTOM PENDANT INDIRECT/DIRECT LED ASSEMBLY WITH EXTRUDED ALUMINUM HOUSING. LENGTHS AND CURVES ARE ENGINEERED AND JOINED AS INDICATED ON DRAWINGS	CORONET LS CURVE VARIOUS SECTIONS - SEE DWGS OR APPROVED XAL CURVE 2.5	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 90 OUTPUT: 475 LM (FT) INPUT POWER: 12W (FT) VOLTAGE: MVOLT (120-277V)	MOUNTING: SURFACE HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: STANDARD DIFFUSER AT BOTTOM DRIVER: 0-10V DIMMING, TO 1% MISC: COORDINATE LOCATION OF LUMINAIRE AND PLACEMENT OF SUPPORTING STRUCTURE WITH ARCHITECT	
L	41 INCH DIAMETER PENDANT MOUNT DECORATIVE RIBBON LED LUMINAIRE WITH ADJUSTABLE LENGTHS (18" TO 138")	KUZO AMPERSAND PD22339-WH	LIGHT SOURCE: LED COLOR TEMP: 3000K CRI: 90 OUTPUT: 5851 LM INPUT POWER: 94W VOLTAGE: MVOLT (120-277V)	MOUNTING: PENDANT HOUSING: ALUMINUM LENS/REFLECTOR: WHITE ACRYLIC DIFFUSER DRIVER: 0-10V DIMMING MISC:	
M	CUSTOM INSTALLATION INTERNAL GLOW FLEXIBLE EXTRUDED LED SIGN LIGHT ASSEMBLY SECURED WITH ALUMINUM CLIPS. WET LOCATION LISTED SEE DETAILS ON SHEET E502	KELVIX SIGNWAVE 3HO SW3 XX 35K HZ X X IP67	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80W OUTPUT: 162L/FT INPUT POWER: 3.7W/FT VOLTAGE: MVOLT (120-277V)	MOUNTING: SURFACE MOUNT HORIZONTAL BEND HOUSING: EXTRUDED TRANSLUCENT MATERIAL LENS/REFLECTOR: HORIZONTAL FLEXIBLE DRIVER: 0-10V DIMMING MISC: REMOTE DRIVER / MOUNT IN WEATHERPROOF BOX - COORDINATE LOCATION WITH ARCHITECT	
N	19" DIA. X 5 INCH STEM MOUNT PARKING GARAGE LUMINAIRE WITH UPLIGHT	LITHONIA VCPGX LED VCPGLEED V4PI 40K 80CRI T5M UP1	LIGHT SOURCE: LED COLOR TEMP: 4000K CRI: 80+ OUTPUT: 3710LM INPUT POWER: 27W VOLTAGE: UNV	MOUNTING: STEM HOUSING: DIE-CAST ALUMINUM LENS/REFLECTOR: PRISMATIC ACRYLIC DRIVER: NLIGHT AIR WIRELESS CONTROLS ENABLED MISC: ALUMINUM	
(XX) TO DENOTE FIXTURE LENGTH OR DIAMETER (IN FEET) ON DRAWING					

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	BOD MANUFACTURER	LAMP/POWER	ADDITIONAL SPECIFICATIONS AND NOTES
P4	50 X 5 X 3 INCH SURFACE MOUNTED LINEAR DIRECT LED LUMINAIRE	LUMINAIRE LED VPF4 SERIES OR APPROVED	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ CRI OUTPUT: 2690LM/FT INPUT POWER: 25W VOLTAGE: MVOLT (120-277V)	MOUNTING: SURFACE HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: OPAL POLYCARBONATE DRIVER: ELECTRONIC DIMMING DRIVER (0-10V) MISC: WET LOCATION OPTION WHITE
Q	2.75 X 4 X 72 INCH WALL MOUNTED LINEAR INDIRECT ONLY ASYMMETRIC LED LUMINAIRE	FINELITE HP2 WMI HP2 WMI 72 B/0 835 ASY-R OR APPROVED PINNACLE EDGE EX2I SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80 OUTPUT: 414L/FT INPUT POWER: 4.6W/FT VOLTAGE: 120V	MOUNTING: SURFACE - WALL HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: FROSTED ACRYLIC DRIVER: ELECTRONIC 0-10V DIMMING MISC: WHITE
QA	2.75 X 4 X 72 INCH WALL MOUNTED LINEAR DIRECT/ASYMMETRIC INDIRECT LED LUMINAIRE WITH DUAL CIRCUITS	FINELITE HP2 WMI HP2 WMI 72 B/S 835 ASY-R-F DC OR APPROVED PINNACLE EDGE EX2DI SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80 OUTPUT: 414L/FT INPUT POWER: 4.6W/FT VOLTAGE: 120V	MOUNTING: SURFACE - WALL HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: FROSTED ACRYLIC DRIVER: ELECTRONIC 0-10V DIMMING MISC: WHITE
SA	26 X 14 X 2.25 INCH POLE-MOUNTED LED AREA FIXTURE, TYPE I DISTRIBUTION PEDESTRIAN SCALE. FIXTURE MOUNTED TO 12' - 0" ABOVE GRADE.	LITHONIA TYPE DSX0 DSX0 LED P1 35K T1S NLTAIR2 PIRHN	LIGHT SOURCE: LED COLOR TEMP: 4000K CRI: 80+ OUTPUT: 5113 INPUT POWER: 33W VOLTAGE: UNV	MOUNTING: POLE MOUNT HOUSING: DIE-CAST ALUMINUM LENS/REFLECTOR: SILICONE DRIVER: ELECTRONIC 0-10V DIMMING WITH INTEGRAL NLIGHT AIR CONTROLS
SG	32 X 14 X 8 INCH POLE-MOUNTED LED AREA FIXTURE, TYPE IV DISTRIBUTION, WITH FIXTURE MOUNTED TO 18'-0" ABOVE GARAGE LEVEL 2.	LITHONIA TYPE DSX1 DSX1 LED P3 35K T4M NLTAIR2 PIRHN	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 13403LM INPUT POWER: 102W VOLTAGE: UNV	MOUNTING: POLE MOUNT HOUSING: DIE-CAST ALUMINUM LENS/REFLECTOR: SILICONE DRIVER: ELECTRONIC 0-10V DIMMING WITH INTEGRAL NLIGHT AIR CONTROLS
SG2	32 X 14 X 8 INCH POLE-MOUNTED LED AREA FIXTURE, TYPE IV AND HOUSE SIDE SHIELD DISTRIBUTION, WITH FIXTURE MOUNTED TO 18' - 0" ABOVE GARAGE LEVEL 2.	LITHONIA TYPE DSX1 DSX1 LED P3 35K T4M HS NLTAIR2 PIRHN	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 12565 INPUT POWER: 103W VOLTAGE: UNV	MOUNTING: POLE MOUNT HOUSING: DIE-CAST ALUMINUM LENS/REFLECTOR: SILICONE DRIVER: ELECTRONIC 0-10V DIMMING WITH INTEGRAL NLIGHT AIR CONTROLS
SG3	26 X 14 X 2.25 INCH POLE-MOUNTED LED AREA FIXTURE, TYPE V DISTRIBUTION, WITH FIXTURE MOUNTED TO 12' - 0" ABOVE GARAGE LEVEL 2.	LITHONIA TYPE DSX0 DSX0 LED P1 35K T5M NLTAIR2 PIRHN	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 4510LM INPUT POWER: 38W VOLTAGE: UNV	MOUNTING: POLE MOUNT HOUSING: DIE-CAST ALUMINUM LENS/REFLECTOR: SILICONE DRIVER: ELECTRONIC 0-10V DIMMING WITH INTEGRAL NLIGHT AIR CONTROLS
SP	32 X 14 X 8 INCH POLE-MOUNTED LED AREA FIXTURE, TYPE IV DISTRIBUTION, WITH FIXTURE MOUNTED TO 20' - 0" ABOVE GRADE.	LITHONIA TYPE DSX1 DSX1 LED P5 35K T4M NLTAIR2 PIRHN	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 14930 INPUT POWER: 124W VOLTAGE: UNV	MOUNTING: POLE MOUNT HOUSING: DIE-CAST ALUMINUM LENS/REFLECTOR: SILICONE DRIVER: ELECTRONIC 0-10V DIMMING WITH INTEGRAL NLIGHT AIR CONTROLS
SR	26 X 14 X 2.25 INCH POLE-MOUNTED LED AREA FIXTURE, TYPE IV DISTRIBUTION PEDESTRIAN SCALE. FIXTURE MOUNTED TO 12'.	LITHONIA TYPE DSX0 DSX0 LED P2 35K T4M NLTAIR2 PIRHN	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 6272LM INPUT POWER: 45W VOLTAGE: UNV	MOUNTING: POLE MOUNT HOUSING: DIE-CAST ALUMINUM LENS/REFLECTOR: SILICONE DRIVER: ELECTRONIC 0-10V DIMMING WITH INTEGRAL NLIGHT AIR CONTROLS
T	FLEXIBLE TAPE ASSEMBLY - TAPE TO BE APPLIED TO SIDE SHELF AT CEILING "RIVER", EVENLY OFFSET FROM EDGE OF LOW CEILING. ASSEMBLY LENGTHS AS SHOWN - ASSEMBLY INCLUDES REMOTE DRIVERS AS NEEDED. COORDINATE DRIVER LOCATION WITH ARCH.	KELVIX SIGNWAVE 3HO SW3 XX 35K HZ X X	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 162L/FT INPUT POWER: 3.7W/FT VOLTAGE: MVOLT (120-277V)	MOUNTING: SURFACE MOUNT HORIZONTAL BEND HOUSING: EXTRUDED TRANSLUCENT MATERIAL LENS/REFLECTOR: HORIZONTAL LY FLEXIBLE DRIVER: 0-10V DIMMING MISC: REMOTE DRIVER / INTERIOR, COORDINATE LOCATION WITH ARCHITECT
TC	LED TAPE ASSEMBLY - PRODUCT TO BE APPLIED TO CANOPY PERIMETER. ASSEMBLY LENGTHS AS SHOWN - ASSEMBLY INCLUDES REMOTE DRIVERS AS NEEDED. COORDINATE PIVOT ANGLE AND REMOTE DRIVER LOCATION WITH ARCHITECT	KELVIX LED TAPE ASSEMBLY UNI-WL-O-300- 35K - 24V CHANNEL - CH-506-A PIVOT MOUNTING CLIPS	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 300LM/FT INPUT POWER: 2.1W/FT VOLTAGE: UNV	MOUNTING: SURFACE HOUSING: FROSTED ACRYLIC LENS/REFLECTOR: ELECTRONIC 0-10V DIMMING DRIVER: COORDINATE ACCESSIBLE LOCATIONS FOR DRIVERS WITH ARCHITECT
U	4.6 X 1.4 X (XX) FOOT SURFACE MOUNT LED UNDERCAB LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING AND WHITE FROSTED ACRYLIC LENS	PRIMUS - FOCUS 7 FC7 L 35K FO INV W	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 535LM/FT INPUT POWER: 3.5 W/FT VOLTAGE: UNV	MOUNTING: SURFACE HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: FROSTED ACRYLIC - DOWN OPTICS DRIVER: ELECTRONIC 0-10V DIMMING MISC: WHITE
V(XX)	3 X 2 X (XX) FOOT SURFACE MOUNT LED LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING AND WHITE FROSTED DR ACRYLIC LENS	PRIMUS LINEA 2-SQL-LED LN2-SQL L 35K UNV SM SEB	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 487LM/FT INPUT POWER: 3.9 W/FT VOLTAGE: UNV	MOUNTING: SURFACE - WALL HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: FROSTED ACRYLIC DRIVER: ELECTRONIC 0-10V DIMMING MISC: WHITE
W(XX)	3 X 4 INCH RECESSED GRAZING LED LUMINAIRE WITH 4 INCH RECESS IN LENGTHS AS SHOWN ON DRAWINGS. COORDINATE INSTALLATION WITH ARCHITECT	PINNACLE EDGE EV2DPM SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80+ OUTPUT: 487LM/FT INPUT POWER: 3.9 W/FT VOLTAGE: UNV	MOUNTING: SURFACE - WALL HOUSING: EXTRUDED ALUMINUM LENS/REFLECTOR: FROSTED ACRYLIC DRIVER: ELECTRONIC 0-10V DIMMING MISC:
WD	EXTERIOR WALL SURFACE MOUNT WEDGE LED LUMINAIRE	LITHONIA WDGE2 SERIES WDGE2LED P25W 35K VW OR APPROVED	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80 OUTPUT: 2087 INPUT POWER: 15W VOLTAGE: UNV	MOUNTING: WALL MOUNT HOUSING: CAST ALUMINUM LENS/REFLECTOR: VISUAL COMFORT WIDE DRIVER: ELECTRONIC 0-10V DIMMING MISC: DARK BRONZE
X	12 X 7 X 4 INCH CAST ALUMINUM SURFACE MOUNT EXIT SIGN WITH GREEN LETTERS, UNIVERSAL MOUNTING KIT	SURE-LITES CX SERIES	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: N/A OUTPUT: N/A INPUT POWER: 1W VOLTAGE: UNV	MOUNTING: UNIVERSAL MOUNT HOUSING: CAST ALUMINUM LENS/REFLECTOR: GREEN DRIVER: N/A MISC:
Y	3 X 3 X 48 INCH WALL MOUNTED STAIRWELL LUMINAIRE	LINEA 3 - SQL LN3-SQL M 35K UNV SM SEB W	LIGHT SOURCE: LED COLOR TEMP: 3500K CRI: 80 OUTPUT: 920LM/FT INPUT POWER: 6.5W/FT VOLTAGE: UNV	MOUNTING: WALL MOUNT HOUSING: CAST ALUMINUM LENS/REFLECTOR: FROSTED WIDE DRIVER: 0-10V DIMMING DRIVER MISC:
(XX) TO DENOTE FIXTURE LENGTH OR DIAMETER (IN FEET) ON DRAWING				

MECHANICAL EQUIPMENT CONNECTION SCHEDULE														
TAG	DESCRIPTION	VOLTAGE	PHASE	HP	KW	FLA	FEEDER DESCRIPTION	CIRCUIT BREAKER (AMPS/POLES)	PANEL IDENTIFICATION	STARTER DIVISION	DISCONNECT DIVISION	VFD DIVISION	NOTES	
B-1	CONDENSING BOILER 1	120	1		0.5	4.2	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:37	NA	DIV 26	NA		
B-2	CONDENSING BOILER 2	120	1		0.5	4.2	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:39	NA	DIV 26	NA		
BP-1	BOILER 1 PUMP	120	1		0.36	3.0	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:41	NA	DIV 26	NA		
BP-2	BOILER 2 PUMP	120	1		0.36	3.0	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:43	NA	DIV 26	NA		
HWP-1	HEATING WATER PUMP 1	208	3	2.00	7.5		(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/3	M2A:7,9,11	NA	DIV 26	NA		
HWP-2	HEATING WATER PUMP 2	208	3	2.00	7.5		(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/3	M2A:13,15,17	NA	DIV 26	NA		
HWP-3	HEATING COIL, CIRC PUMP	208	3	1.00	4.6		(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/3	M2A:19,21,23	NA	DIV 26	NA		
DOAS-1	DOAS AIR HANDLER	208	3		13.2	36.6	(4) 6 AWG CU, (1) 10 AWG GND, IN 1 1/4" C.	45/3	M2A:25,27,29	NA	DIV 23	NA		
	CONVENIENCE RECEPTACLE	120	1		1.5	12.5	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	20/1	M2A:52	NA	DIV 23	NA		
	ELECTRONIC AIR FILTER	120	1		1.5	12.5	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	20/1	M2A:54	NA	DIV 23	NA		
	HEAT TRACE FREEZE PROTECTION	120	1		0.15	1.3	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	M2A:56,58	NA	DIV 23	NA		
CH-1	CHILLER	208	3		47.6	132.0	(4) 2/0 AWG CU, (1) 6 AWG GND, IN 2" C.	175/3	M2A:1,3,5	NA	DIV 26	NA		
	CONVENIENCE RECEPTACLE	120	1		1.5	12.5	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	20/1	M2A:44	NA	DIV 26	NA		
	POWER RELAYS	120	1		1.5	12.5	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	20/1	M2A:46	NA	DIV 26	NA		
	FREEZE PROTECTION	120	1		0.15	1.3	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	M2A:53,55	NA	DIV 26	NA		
	DOMESTIC WATER PUMP	120	1		0.1	0.8	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:45	NA	DIV 26	NA		
DWP-1	BOOSTER PUMP	208	3		9	25.0	(3) 6 AWG CU, (1) 10 AWG GND, IN 1" C.	35/3	M2A:31,33,35	NA	DIV 26	NA		
FC-1.1	FAN COIL - DX	208	1	0.33	4.0		(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	R1B:35,37	NA	DIV 26	NA		
FC-1.2	FAN COIL - HYDRO	208	1		1.25	6.0	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	R1B:36,38	NA	DIV 26	NA		
FC-1.3	FAN COIL - HYDRO	208	1		1.25	6.0	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	R1B:39,41	NA	DIV 26	NA		
FC-1.4	FAN COIL - HYDRO	208	1	0.25	3.2		(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	R1B:40,42	NA	DIV 26	NA		
FC-2.1	FAN COIL - DX	208	1	0.33	4.0		(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	R2B:31,33	NA	DIV 26	NA		
FC-2.2	FAN COIL - HYDRO	208	1		0.83	4.0	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	R2B:35,37	NA	DIV 26	NA		
FC-2.3	FAN COIL - HYDRO	208	1		0.83	4.0	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	R2B:39,41	NA	DIV 26	NA		
EF-1	EXHAUST FAN	120	1	0.33	7.2		(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:42	NA	DIV 23	NA		
AC-1	AIR CURTAIN 1	208	1		0.83	4.0	(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	M2A:30,32	NA	DIV 26	NA		
AC-2	AIR CURTAIN 2	208	1		0.83	4.0	(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/2	M2A:38,40	NA	DIV 26	NA		
CWP-1	CHILLED WATER PUMP 1	208	3	2.00	7.5		(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/3	M2A:2,4,6	NA	DIV 26	NA		
CWP-2	CHILLED WATER PUMP 2	208	3	2.00	7.5		(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/3	M2A:8,10,12	NA	DIV 26	NA		
CWP-3	CHILLED WATER PUMP 3	208	3	2.00	7.5		(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/3	M2A:14,16,18	NA	DIV 26	NA		
CWP-4	CHILLED WATER PUMP 4	208	3	2.00	7.5		(3) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/3	M2A:20,22,24	NA	DIV 26	NA		
CU-1	CONDENSING UNIT 1	208	1		3.75	18.0	(2) 10 AWG CU, (1) 10 AWG GND, IN 3/4" C.	20/2	M2A:26,28	NA	DIV 26	NA		
CU-2	CONDENSING UNIT 2	208	1		3.75	18.0	(2) 10 AWG CU, (1) 10 AWG GND, IN 3/4" C.	20/2	M2A:34,36	NA	DIV 26	NA		
DWH-1	DOMESTIC WATER HEATER	120	1		0.2	1.7	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	20/1	M2A:51	NA	DIV 26	NA		
SP-1	ELEVATOR SUMP PUMP	120	1	0.50	9.8		(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	20/1	M2A:50	NA	DIV 26	NA		
UH-1	UNIT HEATER	120	1		0.02	0.2	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:49	NA	DIV 26	NA		
CA-1	FIRE RISER AIR COMPRESSOR	120	1		0.47	3.9	(2) 12 AWG CU, (1) 12 AWG GND, IN 3/4" C.	15/1	M2A:47	NA	DIV 26	NA		

REGISTERED PROFESSIONAL ENGINEER
#80,821
DIGITALLY SIGNED
OREGON
MAY 21, 2024
MATTHEW B. REICH
EXPIRES: 12-31-24



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SWE Proj. #: Y008.02

CONSTRUCTION DOCUMENTS - ISSUE FOR BID

RVTD TRANSPORTATION BUILDING

PROJECT #: 2017.01

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