A. ALL PARTITION TYPE '1A' UNLESS NOTED OTHERWISE.
B. SEE SHEET A003 FOR PARTITION TYPES.
C. SEE A030 FOR EQUIPMENT AND OWNER SUPPLIED ITEMS.
D. ALL EXPOSED STEEL TO BE PAINTED.

1/4" = 1'-0"
1 MEETING RM 141 - SOUTH
2 MEETING RM 141 - NORTH
3 MEETING RM 141 - EAST
5 LARGE MTG 142 - SOUTH
8 LARGE MTG 142 - NORTH
9 LARGE MTG 142 - EAST
10 LARGE MRG 142 - PANTRY
6 LARGE MTG 142 - WEST
7 MEETING RM 140 - WEST
4 MEETING RM 141 - WEST

COMPOSITE SHEET - MEETING ROOMS

COLUMBUS METROPOLITAN LIBRARY
CANAL WINCHESTER BRANCH

Bostwick Design Partnership
GENERAL NOTES

A. ALL PARTITION TYPE '1A' UNLESS NOTED OTHERWISE.

B. SEE SHEET A003 FOR PARTITION TYPES.

C. SEE A030 FOR EQUIPMENT AND OWNER SUPPLIED ITEMS.

D. ALL EXPOSED STEEL TO BE PAINTED.

SHEET NOTES

1. NOT FOR CONSTRUCTION

Bostwick Design Partnership

COLUMBUS METROPOLITAN LIBRARY
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AUTODESK DOC://22007 CML CANAL WINCHESTER BRANCH/CLCW - ARC.rvt

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COMPOSITE SHEET - STAFF AREA

A520
DESIGN LOADS:

1. SOIL BEARING PRESSURE:
   
   a. The contractor shall be familiar with the survey and the subsurface investigation report.
   
   b. Foundation shall be designed for soil b/c capacity, per subsurface investigation report.
   
   c. All soil shall be of Portland cement for all classes of concrete.

2. STORAGE - 125 PSF
   
   a. Provide formwork and reinforcement for all classes of concrete.
   
   b. Provide lally columns as noted in the design.

3. MAXIMUM ALLOWED SHALL BE 20% OF PORTLAND CEMENT FOR ALL CLASSES OF CONCRETE.
   
   a. Use concrete reinforcing steel, A606, A706, or A996.
   
   b. Use high-strength reinforcing steel, A500, or A500E.

4. WIND LOAD DESIGN PARAMETERS
   
   a. Wind loads shall be calculated for all buildings and structures.
   
   b. Roof loads shall be determined for all buildings and structures.

5. BOTTOM OF EXTERIOR FOUNDATION WALLS SHALL BE AT LEAST 18" ABOVE FLOORS OR SLABS.
   
   a. Provide seismic ties for all masonry walls.
   
   b. Provide shear reinforcement for all masonry walls.

6. PROVIDE LINTELS OF ADEQUATE SIZE FOR ALL OPENINGS NOT SPECIFICALLY INDICATED.
   
   a. Provide full-depth concrete blocks for all masonry walls.
   
   b. Provide full-depth concrete blocks for all masonry walls.

7. LEAN CONCRETE UNDER NEW FOOTING FOR SUITABLE BEARING CAPACITY.
   
   a. Use lean concrete under new footing for suitable bearing capacity.
   
   b. Use lean concrete under new footing for suitable bearing capacity.

8. STRUCTURAL LOADS - STEEL:
   
   a. Use steel reinforcement for all structural steel members.
   
   b. Use steel reinforcement for all structural steel members.

9. PROVIDE ADEQUATE CONNECTORS FOR ALL CONNECTIONS.
   
   a. Use adequate connectors for all connections.
   
   b. Use adequate connectors for all connections.

10. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearance between reinforcing steel and the concrete surface.
    
    b. Use adequate clearance between reinforcing steel and the concrete surface.

11. PROVIDE CLEARANCES BETWEEN REINFORCING STEEL AND OTHER STRUCTURAL ELEMENTS.
    
    a. Use clearances between reinforcing steel and other structural elements.
    
    b. Use clearances between reinforcing steel and other structural elements.

12. PROVIDE ADHESIVE BONDING BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adhesive bonding between reinforcing steel and the concrete surface.
    
    b. Use adhesive bonding between reinforcing steel and the concrete surface.

13. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND OTHER STRUCTURAL ELEMENTS.
    
    a. Use adequate clearances between reinforcing steel and other structural elements.
    
    b. Use adequate clearances between reinforcing steel and other structural elements.

14. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND OTHER STRUCTURAL ELEMENTS.
    
    a. Use adequate clearances between reinforcing steel and other structural elements.
    
    b. Use adequate clearances between reinforcing steel and other structural elements.

15. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.

16. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.

17. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.

18. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.

19. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.

20. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.

21. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.

22. PROVIDE ADEQUATE CLEARANCE BETWEEN REINFORCING STEEL AND THE CONCRETE SURFACE.
    
    a. Use adequate clearances between reinforcing steel and the concrete surface.
    
    b. Use adequate clearances between reinforcing steel and the concrete surface.
## Structural Steel:

1. Use ASTM A992 Grade 50 steel for wide flange shapes.

2. Use A47 malleable iron or ASTM A27 cast steel for plate gusset connections.

3. Bolted, welded, and bolting and pins shall be designed by the steel fabricator for fabricator's notes.

4. Installation of steel deck shall be according to the steel fabricator's notes.

5. Use ASTM A325 or A490 bolts for field connections.

6. Use ASTM A325 or A490 bolts for fasteners and accessories.

7. Use ASTM A194 Grade 2 nuts for field connections.

8. Use ASTM A193 Grade B7 bolts for fasteners and accessories.

9. Use ASTM A193 Grade B8 bolts for field connections.

10. Use ASTM A193 Grade B8M bolts for fasteners and accessories.

11. Use ASTM A490 Grade B140 bolts for fasteners and accessories.

12. Use ASTM A490 Grade B140 bolts for field connections.

13. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

14. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

15. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

16. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

17. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

18. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

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74. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

75. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.

76. Use ASTM A570 Grade 50 carbon steel for plate gusset connections.
SAWCUT JOINT LAYOUT PLAN

LOCATIONS MARKED FOR 2-#3 x 3'-0" LG. @ 45 DEG IN SLAB FOR ANY RE-ENTRANT CORNERS WITHOUT SAWCUT JOINTS. INCLUDE AN ALLOWANCE OF 60 LF OF #3 REBAR FOR RE-ENTRANT CORNERS.

SAWCUT JOINT & CONSTRUCTION JTs SHALL BE LOCATED AS TO COINCIDE W/ COL CENTERLINES & REENTRANT CORNERS IN SLAB WHEREVER ... DWG S100 **** SUBSTITUTE A CONSTRUCTION JT IN LEIU OF A SAWCUT JT WHEREVER SEPARATE CONC POURS OCCUR. SEE DETAIL -/S---.

SCHEMATIC DESIGN 12 MAY 2023 INTERIM DD 27 OCT 2023
A. COORDINATE ALL DIMENSIONS WITH ARCH DWGS. IN CASE OF CONFLICT, THE DIMENSIONS SHOWN IN THE ARCH DWGS GOVERN.

C. ROOF CONSTRUCTION:
- ROOF LIVE LOAD: SEE DWG S001.
- ROOF DEAD LOAD:
  - METAL ROOF DECK = 2 PSF
  - STEEL BEAMS = 5 PSF
  - MECH (DUCT/LIGHT/SPRINKLER/ELEC) = 10 PSF
  - CEILING/OTHER FINISHES = 5 PSF
  - INSULATION = 3 PSF
- TOTAL DEAD LOAD = 25 PSF

Dimensions and notes are visible on the diagram, including:
- Heights and distances
- Beam and column specifications
- Roof framing and construction notes

NOTE:
- 15'-11" HSS8X8X3/8
- 17' - 3" HSS8X8X3/8 COLUMBUS W14X26 (20K4)
- 17' - 3" HSS8X8X3/8 W16X31 (16K4)
- 17' - 3" HSS8X8X3/8 W14X26 (16K4)
- 17' - 3" W16X36 (8'-0" O.C.) (20K4)
- 17' - 3" W16X36 (8'-0" O.C.) (14K3)
- 17' - 3" W24 BEAM (18LH12)
- 17' - 3" W16X31 (10K1)
- 17' - 3" W16X31 (28K6 @ 8'-0" O.C.)
- 17' - 3" W16X31 (8'-0")
- 17' - 3" W16X31 (16' - 11")
1. PROVIDE NEW DOMESTIC WATER, SANITARY WASTE, STORM DRAINAGE, NATURAL GAS FOR THIS
   LOCATION.  ALL PIPING TO BE AS TIGHT TO THE WALL AS POSSIBLE.  PIPING IN AREAS WITHOUT
   FINISHED CEILINGS SHALL BE INSTALLED ABOVE CEILINGS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES,
   ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

3. CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS
   AND DETAILS TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION.  CONTRACTOR
   SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING
   ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
   ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

4. CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING
   ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
   ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

5. ANY INFORMATION CONFLICTS BETWEEN THE SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT
   TO THE Attention of THE City OF Columbus, Department of Health, and THE City OF Columbus,
   Department of Housing and Community Development, prior to FABRICATION OR INSTALLATION.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES,
   ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

7. ALL MATERIAL AND LABOR SHALL BE UNDER WARRANTY FOR ONE YEAR FROM THE DATE OF FINAL
   ACCEPTANCE.

8. CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS
   AND DETAILS TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION.  CONTRACTOR
   SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING
   ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
   ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

9. CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS
   AND DETAILS TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION.  CONTRACTOR
   SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING
   ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
   ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

10. CORE DRILL PENETRATIONS IN CONCRETE FLOORS OR WALLS 1-2 INCHES LARGER THAN THE PIPE
    DIAMETER OF THE PENETRATING PIPE.

11. NO FABRICATION OR INSTALLATION IS ALLOWED WITHOUT APPROVED SHOP DRAWING SUBMITTALS.

12. EQUIPMENT, MATERIALS, INSTALLATION WORKMANSHIP, EXAMINATION AND TESTING SHALL BE IN
    ACCORDANCE WITH STATE REQUIREMENTS AND LOCAL AUTHORITIES HAVING JURISDICTION.  NO
    CONTRACTOR(S) BY THE ENGINEER.

13. CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS
    AND DETAILS TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION.  CONTRACTOR
    SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING
    ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
    ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

14. CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS
    AND DETAILS TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION.  CONTRACTOR
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    ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
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    ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
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    ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
    ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

17. CONTRACTOR SHALL SUBMIT SYSTEM CATALOG PRODUCT DATA SHEETS OF ALL COMPONENTS
    AND DETAILS TO THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION.  CONTRACTOR
    SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC (AUTOCAD) FORMAT, REFLECTING
    ACCURATE FIELD CONDITIONS.  CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN
    ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

18. PIPING SHALL NOT SHARE SUPPORTS WITH OTHER BUILDING SYSTEMS.  IN MECHANICAL AREAS,
    CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES,
    ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

19. PIPING IN AREAS WITH FINISHED CEILINGS SHALL BE INSTALLED ABOVE FINISHED CEILINGS.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES,
    ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

21. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES,
    ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES,
    ELECTRONIC (AUTOCAD) FORMAT, REFLECTING ACCURATE FIELD CONDITIONS.

23. MAINTAIN MAXIMUM HEADROOM AT ALL LOCATIONS.  ALL PIPING TO BE AS TIGHT TO THE WALL AS
    POSSIBLE.
24" MIN. 30" MAX. 48" (*2) OS&Y

WATER METER WITH BYPASS. INSTALL PER L-6317C.

FLOOR SUPPORT (TYP)

FLOOR DRAIN MIN. 12" ABOVE DRAIN STRAINER

PRESSURE GAUGE WITH GAUGE COCK RANGE 0-150 PSI

TO DOMESTIC WATER SYSTEM

2" ASSE #1013 REDUCED PRESSURE BACKFLOW PREVENTER. PROVIDE AIR GAP FITTING AND EXTEND DRAIN FULL SIZE TO NEAREST FLOOR DRAIN

NOTES:

1. CLEARANCE FROM WATER METER TO WALL TO BE 18"

GAS METER FURNISHED BY LOCAL GAS COMPANY AND INSTALL BY PLUMBING CONTRACTOR. INSTALL PER LOCAL GAS COMPANY REQUIREMENTS. SET AT ____ CFH

REGULATORS FURNISHED BY LOCAL GAS COMPANY AND INSTALLED BY PLUMBING CONTRACTOR. INSTALL PER LOCAL GAS COMPANY REQUIREMENTS. SET FOR ____ AT METER OUTLET FOR BUILDING SERVICE FROM GAS COMPANY MAIN

GRADE CONCRETE SUPPORT BY PLUMBING CONTRACTOR

SLEEVE PER LOCAL GAS COMPANY REQUIREMENTS

4" HOUSEKEEPING PAD

GWH-1 ET1 THERMOMETER. RANGE 30°-180°F

TMV1 HEAT TRAP HW CW 120°F

FLUE BY HVAC CONTRACTOR

GAS LINE TO WATER HEATER TEMPERATURE PRESSURE RELIEF VALVE WITH DISCHARGE PIPE DOWN TO 6" ABOVE FLOOR

3/4" DRAIN FURNISHED WITH WATER HEATER

A6 A6 A6

A6 A6 A7

4" FIRE SERVICE WITH 4" BACKFLOW PREVENTER.

2" DCW SERVICE WITH 2" METER AND 2" BACKFLOW PREVENTER
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Model No.</th>
<th>Price (USD)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>WC1</td>
<td>FREEZEPROOF FAUCET, BRONZE CASING, HINGED, LOCKING POLISHED BRONZE (NICKEL) BOX AND COVER, SELF-DRAINING VACUUM BREAKER, INTEGRAL BACKFLOW PREVENTER, 3/4&quot; SIZE. LENGTH AS REQUIRED.</td>
<td>Woodford 67</td>
<td>100.00</td>
<td>1</td>
</tr>
<tr>
<td>UR1</td>
<td>URINAL: SAME AS UR1 MOUNTED AT ADA HEIGHT AMERICAN STANDARD 6590.005</td>
<td></td>
<td>50.00</td>
<td>2</td>
</tr>
<tr>
<td>RH1</td>
<td>FREEZELESS ROOF HYDRANT, BACKFLOW PROTECTED AUTOMATIC DRAIN, DUAL CHECK VALVES. 3/4&quot; HOSE CONNECTION, COMPLETE WITH MOUNTING SYSTEM.</td>
<td>Woodford RHY2-MS</td>
<td>150.00</td>
<td>1</td>
</tr>
<tr>
<td>DN1</td>
<td>DOWNSPOUT NOZZLE, POLISHED BRONZE BODY, NPT THREADS, WALL FLANGE WITH MOUNTING HOLES. SIZE OF PIPING ON PLANS INDICATES OUTLET SIZE. PROVIDE BIRD SCREEN.</td>
<td>J.R. Smith 1770</td>
<td>100.00</td>
<td>1</td>
</tr>
<tr>
<td>RD1</td>
<td>LARGE, GENERAL PURPOSE ROOF DRAIN WITH CAST IRON BODY, CAST IRON DOME, BOTTOM OUTLET, ADJUSTABLE EXTENSION SLEEVE, REVERSED COLLAR, FLASHING CLAMP WITH GRAVEL STOP, SUMP RECEIVER, AND</td>
<td></td>
<td>150.00</td>
<td>1</td>
</tr>
<tr>
<td>HB3</td>
<td>HOSE BIBB: ANIT-SIPHON, VACUUM BREAKER PROTECTED WALL FAUCET WITH RIGID SPOUT FOR HOT AND COLD WATER. 3-3/8&quot; BODY WITH ADJUSTABLE ARMS 3&quot; TO 8-3/8&quot; CENTERS. CHROME FINISH, 3/4-INCH MALE HOSE</td>
<td></td>
<td>75.00</td>
<td>1</td>
</tr>
<tr>
<td>HB1</td>
<td>HOSE BIBB: ANIT-SIPHON, VACUUM BREAKER PROTECTED WALL FAUCET ENCLOSED IN FLUSH MOUNTED BOX. CHROME FINISH, 1/2&quot; INLET, 3/4-INCH MALE HOSE THREAD, WHEEL HANDLE, TEFLON IMPREGNATED PACKING,</td>
<td></td>
<td>125.00</td>
<td>1</td>
</tr>
<tr>
<td>FD3</td>
<td>SAME AS FD1 WITH 6&quot; DIAMETER GALVINIZED FUNNEL.</td>
<td></td>
<td>75.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>FLUSH VALVE: DIAPHRAGM TYPE FLUSH VALVE, CHROME PLATED, SYNTHETIC RUBBER DIAPHRAGM, 1&quot; I.P.S. SCREWDRIVER ANGLE STOP, VACUUM BREAKER FLUSH CONNECTION, SPUD COUPLING AND FLANGE FOR 1-1/2&quot; TOP</td>
<td></td>
<td>100.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>SEAT: HEAVY WEIGHT AND INJECTION-MOLDED OF SOLID PLASTIC, OPEN FRONT LESS COVER FOR ELONGATED BOWL AND FEATURE EXCLUSIVE, 2 BUMPERS, CONCEALED CHECK HINGES WITH STAINLESS STEEL POSTS.</td>
<td>Bemis BB955CT</td>
<td>150.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>WATER CLOSET: VITREOUS CHINA, FLOOR MOUNTED ELONGATED BOWL, 1-1/2&quot; INLET TOP SPUD, LOW-CONSUMPTION 1.6 GPF, DIRECT-FED SIPHON JET ACTION, FULLY-GLAZED 2-1/8&quot; TRAPWAY, 10&quot;x12&quot; WATER, SURFACE AREA, MEETS ASME FLUSH REQUIREMENTS AT 1.6 GPF.</td>
<td>American Standard 2234.001</td>
<td>200.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CONNECTION THREADED 2&quot; INSIDE, MEETS ASME FLUSH REQUIREMENTS AT 0.5 GPF. STAINLESS STEEL STRAINER.</td>
<td>American Standard 6590.005</td>
<td>50.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>TRIM: SUPPLY PIPE WITH WHEEL HANDLE STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT. P.O. PLUG. CHROME PLATED BRASS 17 GAUGE TAILPIECE.</td>
<td>MCGUIRE 165, 8912</td>
<td>150.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>TRIM: WALL MOUNTED SERVICE SINK FAUCET, POLISHED CHROME PLATED FINISH, SOLID BRASS BODY CONSTRUCTION, ATMOSPHERIC VACUUM BREAKER SPOUT WITH WALL BRACE, INTEGRAL CHECK VALVES, 3/4&quot; MALE</td>
<td></td>
<td>125.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>FUACET: DECK MOUNTED MANUAL FAUCET, POLISHED CHROME PLATED FINISH, SOLID BRASS BODY CONSTRUCTION, 8&quot; CENTERS, 8&quot; SWING SPOUT, 1.5 GPM AERATOR.</td>
<td>Chicago 1100-GN8AE35-317AB</td>
<td>75.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MONITOR AND BOTTLE COUNTER. HERMETICALLY SEALED COMPRESSOR, RECIPROCATING TYPE, 120V-1PH. SEALED-IN LIFETIME OIL SUPPLY. EQUIPPED WITH ELECTRIC CORD AND THREE PRONG MOLDED RUBBER PLUG.</td>
<td></td>
<td>500.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>GARDEN HOSE THREAD OUTLET, LEVER HANDLES WITH SECURED COLOR CODED INDEX BUTTONS.</td>
<td>Chicago 897-MPCRCF</td>
<td>25.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CARRIER: WATER COOLER SUPPORT WITH TOP AND BOTTOM PLATES, RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, ADJUSTABLE SUPPORT PLATES AND MOUNTING FASTENERS.</td>
<td>Zurn Series Z1200</td>
<td>200.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>SINK: 19-1/2&quot;x19&quot;x7-1/2&quot; DEEP, SINGLE BOWL, #18 GAUGE, TYPE 304 NICKEL BEARING STAINLESS STEEL. TOP MOUNT. 1-3/4&quot; VERTICAL AND HORIZONTAL RADIUS. BOWL AND FAUCET DECK RECESS 3/16&quot; BELOW OUTSIDE EDGE OF</td>
<td>Bradley S59-4000</td>
<td>300.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>TRIM: SUPPLY PIPE WITH LOOSE KEY STOPS. CAST BRASS P-TRAP WITH CLEAN-OUT. DRAIN WITH CHROME PLATED CAST BRASS SOLID TOP, OPEN GRID, P.O. PLUG. CHROME PLATED BRASS 17 GAUGE TAILPIECE.</td>
<td>MCGUIRE 165LK, 8902, 149</td>
<td>100.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>FAUCET: CHROME PLATED BRASS, SENSOR ACTIVATED, 0.5 GPM VANDAL RESISTANT SPRAY HEAD, SENSOR RANGE ADJUSTMENT SCREW, FILTERED SOLENOID VALVE WITH SERVICEABLE STRAINER FILTER. 120VAC/ 24 VAC TRANSFORMER</td>
<td>Sloan ETF-600</td>
<td>150.00</td>
<td>1</td>
</tr>
</tbody>
</table>
A. REFER TO SHEET H001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. THIS SHEET PROVIDED TO SHOW HVAC ZONING ONLY. REFER TO SHEET H101 FOR HVAC WORK.

INTERIM DD 27 OCT 2023
1. PROVIDE HORIZONTAL DUCTED VRV FAN COIL UNIT SUPPORTED FROM STRUCTURE ABOVE.
2. PROVIDE ELECTRIC BASEBOARD HEATER.
3. PROVIDE VRV CEILING CASSETTE SUPPORTED FROM STRUCTURE ABOVE.
4. PROVIDE WALL MOUNTED DUCTLESS SPLIT SYSTEM INDOOR UNIT.
5. PROVIDE ELECTRIC UNIT HEATER WITH WALL MOUNT BRACKET.
6. PROVIDE RECESSED ELECTRIC WALL HEATER.

A. REFER TO SHEET H001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
B. ALL EXPOSED DUCTWORK IN CONDITIONED SPACES SHALL BE PERFORATED DOUBLE WALL DUCTWORK. PROVIDE PAINT GRIP FOR DUCTWORK TO ALLOW FOR PAINTING.
C. PROVIDE DRIP MAN FOR ALL INDOOR UNITS. TIE LEVEL SENSORS INTO BAS CONTROLS.
D. ALL EXPOSED FAN COIL UNITS AND DUCTWORK SHALL BE INSTALLED AS HIGH AS PRACTICAL BELOW STRUCTURE UNLESS NOTED OTHERWISE. ITEMS REQUIRING ACCESS SHALL BE INSTALLED NO MORE THAN 14'-0" AFF.

INTERIM DD 27 OCT 2023
1. PROVIDE PACKAGED ROOFTOP DOAS UNIT PER SCHEDULE ON SHEET H601. PROVIDE SUPPLY AND EXHAUST DUCTWORK DOWN THROUGH ROOF. REFER TO SHEET H101 FOR CONTINUATION.

2. PROVIDE VRF HEAT PUMP OUTDOOR UNIT PER SCHEDULE ON SHEET H601. INSTALL ON 12" RAIL SUPPORTS.

3. PROVIDE DUCTLESS SPLIT SYSTEM OUTDOOR UNIT PER SCHEDULE ON SHEET H601. INSTALL ON 24" RAIL SUPPORTS.

4. PROVIDE ROOF EXHAUST FAN PER SCHEDULE ON SHEET H601. INSTALL ON MINIMUM 14" ROOF CURB.

A. REFER TO SHEET H001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
### DEDICATED OUTDOOR AIR SYSTEM SCHEDULE

<table>
<thead>
<tr>
<th>Tag</th>
<th>Model</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOAS-1</td>
<td>DPS020A</td>
<td>6,333</td>
<td>20.3</td>
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### AIR DEVICE SCHEDULE

<table>
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<tr>
<th>Tag</th>
<th>Model</th>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>G1</td>
<td>EXHAUST</td>
<td>80</td>
<td>EGGCRATE</td>
</tr>
<tr>
<td>R2</td>
<td>RETURN</td>
<td>80</td>
<td>EGGCRATE</td>
</tr>
<tr>
<td>D2</td>
<td>SUPPLY SPD PLAQUE</td>
<td>24 X 24</td>
<td>SURFACE STEEL WHITE</td>
</tr>
<tr>
<td>D1</td>
<td>SUPPLY SPD PLAQUE</td>
<td>24 X 24</td>
<td>LAY-IN STEEL WHITE</td>
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</tbody>
</table>

### EXHAUST FAN SCHEDULE

<table>
<thead>
<tr>
<th>Tag</th>
<th>Model</th>
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<tbody>
<tr>
<td>EF-2</td>
<td>CSP-A200</td>
<td>106</td>
<td>TLT GRAVITY</td>
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### SPLIT SYSTEM INDOOR UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Tag</th>
<th>Model</th>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>HP-1</td>
<td>RZQ18TAVJUA</td>
<td>18.0</td>
<td>17.0</td>
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### SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

<table>
<thead>
<tr>
<th>Tag</th>
<th>Model</th>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>ENB</td>
<td>TOTT</td>
<td>240</td>
<td>EGGCRATE</td>
</tr>
<tr>
<td>ESN</td>
<td>TOTT</td>
<td>240</td>
<td>EGGCRATE</td>
</tr>
</tbody>
</table>

### VENTILATION SCHEDULE (DOAS-1)

<table>
<thead>
<tr>
<th>Zone</th>
<th>Design AIRFLOW (CFM)</th>
<th>OA</th>
<th>TURNDOWN</th>
<th>DISTRIBUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100</td>
<td>50</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>2</td>
<td>150</td>
<td>75</td>
<td>37.5</td>
<td>150</td>
</tr>
<tr>
<td>3</td>
<td>200</td>
<td>100</td>
<td>50</td>
<td>200</td>
</tr>
</tbody>
</table>

### Notes
- Provide with 0-100% Economizer with comparative enthalpy control.
- Provide with non-fused disconnect switch.
- Provide with smoke detector in return ductwork.
- Provide with wired wall-mounted thermostat at 48" AFF.
**Autodesk Docs://22007 CML Canal Winchester Branch/CLCW - v23 - MEPT.rvt**

**Type** | **Description** | **Quantity** | **D** | **M** | **A** | **L** | **S** | **G**
--- | --- | --- | --- | --- | --- | --- | --- | ---
DI | General Alarm / Smoke Signal (from fire system) | 1 | X | X | X | X | X | X
PI | Building Electric Meter | * | X | X | X | X | X | X
AI | Outside Air Temperature | 1 | X | X | X | X | X | X

**BUILDING GLOBAL POINTS**

- **I.** Morning Warm-Up
  - **B.** A BAS communications interface shall be provided by the unit manufacturer.
  - **C.** Safeties
  - **D.** Discharge Air Control. The packaged unit controls shall maintain a constant discharge air temperature setpoint.
  - **E.** Occupied Mode
  - **F.** Economizer Mode
  - **G.** Unoccupied Control

**DEDICATED OUTSIDE AIR SYSTEM (DOAS) WITH ERW**

- **1.** During the scheduled unoccupied times, the unit shall be off.
  - **A.** The discharge air setpoint shall be decreased to 55° F.
  - **B.** When a nearby Fan Coil zone drops more than 2 deg below the zone heating setpoint, activate the unit.
  - **C.** System Points:
  - **D.** Monitor Elevator Sump Pump level through the Building Automation System.
  - **E.** Integrate Water Meter reading with Building Automation System.
  - **F.** Integrate Gas Meter reading with Building Automation System.

**UNIT HEATERS**

- **A.** The building exterior lighting shall be controlled on a time schedule as defined at the operator workstation.
- **B.** The building automation system shall control the space temperature to 60 deg (adj).
- **C.** Heater shall be locked out if nearby Fan Coil is in cooling mode as determined by the zone controller.
- **D.** Heater shall be locked out if outside air temperature is above 55 deg F (adjustable).

**VARIABLE REFRIGERANT FLOW (VRF) SYSTEM**

- **A.** The building exterior lighting shall be controlled on a time schedule as defined at the operator workstation.
- **B.** System Points:
  - **C.** A motor current operated switch shall input fan status to a DDC panel for ALL exhaust fans.
  - **D.** Monitor Elevator Sump Pump level through the Building Automation System.
- **C.** System Points:
  - **D.** Monitor Elevator Sump Pump level through the Building Automation System.
- **D.** DX Cooling Command 3
- **E.** DX Cooling Command 1
- **F.** Unit Mode Status
- **G.** Supply Fan Status
- **H.** Exhaust Air Damper
- **I.** Economizer Dampers

**EXHAUST FANS**

- **A.** The fan shall be on.
- **B.** When a nearby Fan Coil zone drops more than 2 deg below the zone heating setpoint, activate the unit.
- **C.** System Points:
  - **D.** Monitor Elevator Sump Pump level through the Building Automation System.
  - **E.** Integrate Water Meter reading with Building Automation System.
  - **F.** Integrate Gas Meter reading with Building Automation System.

**AIR HANDLING UNITS**

- **A.** Factory mounted controls shall be provided by unit manufacturer. These packaged unit controls shall sequence the DX cooling and heating to maintain a space temperature setpoint.
- **B.** Discharge Air Temperature, VRF zone temperature, zone temperature set point, VRF cool/heat status, and fan status.
- **C.** System Points:
  - **D.** Monitor Elevator Sump Pump level through the Building Automation System.
  - **E.** Integrate Water Meter reading with Building Automation System.
  - **F.** Integrate Gas Meter reading with Building Automation System.

**EMERGENCY FANS**

- **A.** When smoke is detected (unless otherwise specified), the handling unit fan(s) shall be turned on.
- **B.** The outside air dampers and exhaust air dampers shall remain fully closed. The exhaust fan shall remain off. Energy recovery wheel shall be off.
- **C.** Cooling shall be disabled.
- **D.** Monitor Elevator Sump Pump level through the Building Automation System.
- **E.** Integrate Water Meter reading with Building Automation System.
- **F.** Integrate Gas Meter reading with Building Automation System.
1. Encased primary duct bank from new utility pole, located within R/W. Refer to duct bank detail 1/E501. Conductors and terminations shall be by the utility company. Coordinate location with nearby storm and water service.

2. Secondary encased duct bank. Refer to duct bank detail 1/E501. Contractor shall provide conductors and termination. Conduit count shown includes required spares.


4. Utility XFMR pad shall be installed per utility company standards. Refer to detail X/XX. Coordinate with utility CO. who will furnish and install transformer.

5. Ground mounted pull box 17" X 30" Quartz PG style, refer to detail X/XX.

6. EV charging station.

7. Vehicular protection bollard at transformer, confirm final placement with utility CO. Refer to detail X/XXX.

A. Minimum size for all site conduit shall be 1.25", unless noted otherwise.

B. Maintain 12" separation between parallel primary duct bank and telecom duct bank.
1. XX
   A. XX

   ELECTRICAL ONE-LINE DIAGRAM
1. An 84" H x 20" W x 30" D 4-post rack with EIA standard 19" rack rails. 45 rack units of mounting space.

2. 6" wide vertical wire management on each side of the rack.

3. Provide a 12" W ladder rack cable tray for telecommunications cabling mounted at 10'-0" AFF.

4. (3) 4" conduit sleeves for telecommunications cabling through the IT room walls.

5. Provide a 24" L x 4" H main telecommunications bonding busbar mounted at 18" AFF.

6. Provide 4' x 8' x 3/4" technology plywood backboard on IT room walls.

7. Provide wall mounted ACS panel with a single CAT6 cable connection. Coordinate with the security contractor for the exact location.
ALL DRAINAGE ELEMENTS SUCH AS PIPING, DRAINS AND RAIN GARDENS ARE TO BE ENGINEERED

PROVIDE MOCK-UPS FOR APPROVAL BY ARCHITECT FOR ALL PAVING, WALLS, STAIRS, WATER

ARCHITECT TO ACCEPT LOCATIONS FOR FOOTING POURS OF LIGHT POLES IN THE FIELD PRIOR TO

WALLS, STAIRS, AND RAMPS.

REFER TO CIVIL DRAWINGS FOR SANITARY SEWER LINES, STORM DRAIN LINES, GRADING AND OTHER

PLANTS AND WOOD CHIP MULCH ARE NOT SHOWN ON SOME DETAILS FOR PURPOSES OF CLARITY.

COORDINATE PENETRATIONS REQUIRED FOR IRRIGATION AND SUB-DRAINAGE AND ELECTRICAL

WITH GROUND SLOPE.

DIMENSIONS INDICATED ON PLANS ARE FOR HORIZONTAL CONTROL ARE ACCURATE IF MEASURED

SET STRAIGHT LINE GRADES BETWEEN ELEVATIONS UNLESS OTHERWISE SHOWN.

FINISHED FLOOR ELEVATION OF THE BUILDING ENTRANCE ELEVATIONS.

BACKFILL UTILITY LINES EXPOSED BY WORK OPERATIONS AND REPAIR BEDDING AND BACKFILL

PROCEED UNTIL FURTHER INSTRUCTIONS ARE RECEIVED.

GUARANTEE IS MADE AS TO THE ACCURACY AND COMPLETENESS OF THE INFORMATION SHOWN.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE

COMMENCEMENT OF SOIL PREPARATION WORK. DO NOT BEGIN SOIL PREPARATION WORK OR

NOTED OTHERWISE.

GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.

ARCHITECT OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION AND CHANGE.

CLARIFICATIONS AND ADJUSTMENTS BEFORE COMMENCING WORK. ANY DEVIATIONS OR CHANGES

SPECIFY REQUIREMENTS FOR MATERIALS OF DESIGN ELEMENTS SHALL MEAN THE LATEST EDITION OF

UNLESS OTHERWISE SPECIFIED, SPECIFIC REFERENCES TO CODES, REGULATIONS, STANDARDS,

THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS, AND

MATCH EXISTING...
ON-SITE TREE REPLACEMENT CALCULATION:

MAJOR TREES REQUIRED TO BE REPLACED = 99 TREES
CREDIT FOR EXISTING TREES PRESERVED = 69 TREES
TOTAL TREES REQUIRED TO BE REPLACED ON SITE (99 - 69) = 30 TREES AT 2 1/2" CALIPER

ON-SITE TREE REPLACEMENT CALCULATION:

1" = 40'-0"
1 TREE REPLACEMENT PLAN

"NON-RESIDENTIAL USES. FOR ALL NEW CONSTRUCTION, BUILDING ADDITIONS, OR LAND DEVELOPMENT FOR WHICH A BUILDING PERMIT AND/OR ZONING CERTIFICATE IS REQUIRED THE FOLLOWING SHALL APPLY: ALL NON-RESIDENTIAL USES SHALL PROVIDE THIRTY (30) SQUARE FEET OF LANDSCAPED AREA FOR EVERY 1,000 SQUARE FEET OF BUILDING GROUND COVERAGE AREA. ALL AREAS OF A LOT NOT COVERED BY BUILDINGS, STRUCTURES, PAVING, OR THE LANDSCAPING REQUIRED HEREIN SHALL BE COVERED BY NATURAL TURF AT A MINIMUM."

30,121.5 SF / 1,000 SF = 30.13
30.13 X 30 SF = 903.65 SF OF LANDSCAPE AREA REQUIRED
= 5,443.88 SF OF LANDSCAPE AREA PROVIDED

"A BUILDING BETWEEN 30,001 SQ. FT. TO 60,000 SQ. FT. IS REQUIRED TO PLANT THIRTY (30) TREES FOR THE FIRST 30,000 SQ. FT. AND AN ADDITIONAL ONE TREE PER 1,500 SQ. FT. ABOVE 30,001 SQ. FT. OF GROUND FLOOR AREA."

30,121.5 SF
– 30,000 SF = 30 TREES
30 TREES + 1 (121<1500)= 1
31 OF TREES REQUIRED

1191.05(A-B) DEVELOPMENT STANDARDS:

"ALL OFF-STREET PARKING AREAS SHALL PROVIDE ONE (1) TREE OF NO LESS THAN TWO (2) INCHES CALIPER, FOR EVERY SIX (6) PARKING SPACES, UNLESS SPECIFIED BELOW. A MINIMUM OF FIFTY PERCENT (50%) OF THE OFF-STREET PARKING TREES SHALL BE PLANTED IN PARKING LOT ISLANDS. THE REMAINDER MUST BE PLANTED WITHIN TEN (10) FEET OF THE PERIMETER OF THE PARKING LOT."

161 PARKING SPACES/ 6 = 27 TREES REQUIRED

1191.06(1) OFF-STREET PARKING STANDARDS:

PLANT SCHEDULE

<table>
<thead>
<tr>
<th>TAG ID</th>
<th>COUNT</th>
<th>COMMON NAME (TREE)</th>
<th>SCIENTIFIC NAME (TREE)</th>
<th>SIZE</th>
<th>CONTAINER</th>
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</thead>
<tbody>
<tr>
<td>UF 32</td>
<td>1</td>
<td>Frontier Elm</td>
<td>Ulmus 'Frontier'</td>
<td>1 1/2&quot; CALIPER</td>
<td>B&amp;B</td>
</tr>
</tbody>
</table>
GENERAL NOTES - LAYOUT & JOINTING:
1. ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
2. DO NOT SCALE DRAWINGS, UTILIZE DIMENSIONS INDICATED ON DRAWINGS.
3. ALL DIMENSIONS USING CURBS, BUILDING WALLS OR PAVEMENT AS A REFERENCE ARE FROM FACE OF CURB, FINISHED FACE OF BUILDING, FINISHED FACE OF WALL OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
4. UNLESS INDICATED OTHERWISE, ALL WALKWAYS AND HARDSCAPE ABUT AT 90 DEGREE ANGLES.
5. UTILITIES ARE NOT SHOWN.
6. THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE A/E.
7. EACH CONTRACTOR SHALL NOTIFY THE A/E IMMEDIATELY IF A DISCREPANCY IS FOUND BETWEEN THE DIMENSION GIVEN AND ACTUAL DIMENSIONS IN THE FIELD, PRIOR TO CONSTRUCTION.
8. ALL LAYOUT TO BE BY A REGISTERED SURVEYOR OR ENGINEER. THE A/E WILL REVIEW THE LAYOUT FOR GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.
9. EXTERIOR PAVEMENT ELEVATIONS AT ALL ENTRANCES TO BUILDING ARE TO BE FLUSH WITH THE FINISHED FLOOR ELEVATION OF THE BUILDING ENTRANCE ELEVATIONS.
10. FOR SITE FURNISHINGS REFER TO SPECIFICATIONS.
11. COLUMN JOINTING TO BE BY THE RECOMMENDATION OF THE STRUCTURAL ENGINEER.

GENERAL NOTES - STONE OUTCROPPING LAYOUT:
1. FINAL STONE LOCATION TO BE FIELD VERIFIED WITH OWNERS REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO FINAL PLACEMENT.
2. CONTRACTOR SHALL SUBMIT PRODUCT SAMPLES TO OWNERS REPRESENTATION AND LANDSCAPE ARCHITECT FOR APPROVAL, PRIOR TO ORDERING STONE.
3. GRADES SHOWN ARE FOR APPROXIMATIONS ONLY.
4. VERIFY FINAL GRADING WITH CIVIL PLANS.

LAYOUT & JOINTING LEGEND:
- Expansion Joint
- Control Joint
- Decorative Joint

SITE LAYOUT & JOINTING PLANS - ZONE 2
COLUMBUS METROPOLITAN LIBRARY
CANAL WINCHESTER BRANCH

SCALE: 1" = 20'-0"
GENERAL NOTES - SOILS:

* 10' X 10' SOIL AMENDMENT AREA AT EVERY TREE LOCATION.

* 10' X 10' PERENNIAL MIX AT EVERY TREE LOCATION.

* BIORETENTION PLANTING MIX - 24" DEPTH.

* GROUNDCOVER, PERENNIAL & SHRUB PLANTING MIX - 24" DEPTH.

* SEEDED LAWN & NO MOW PLANTING MIX - 6" DEPTH.

* OVER EXCAVATE AS NECESSARY TO PROVIDE REQUIRED DEPTH OF SOIL.

* COMPEN rate FOR SETTLING AND TOPSOIL DEPTH INDICATED IS THE FINAL DEPTH.

* CLEAN AMENDED TOPSOIL AND BE SEEDED OR RECEIVE IMPORTED SOIL ON THIS PLAN SHALL RECEIVE CONSTRUCTION ACTIVITIES AND NOT SHOWN TO SPECIFICATIONS AND SHOWN IN THE DETAILS.

* PREPARE TRANSITION ZONE ABOVE SUBSOIL IN TURF BY THE TREE'S DRIP LINE.

* DO NOT FILL OVER EXISTING TREE ROOT ZONES DEFINED AND BENCH MARK INFORMATION.

* SEE SITE SURVEY FOR EXISTING GRADE CONDITIONS.

* SEE REPORT OF SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS IF AVAILABLE, FOR INSURE POSITIVE DRAINAGE ACROSS ALL FINISH GRADED SURFACES.

* LIMITS OF GRADING. REFER TO CIVIL ENGINEER'S PLANS.

* INLET PROTECTION FOR ALL.

* CONSTRUCTION IS RESPONSIBLE FOR PROVIDING MATERAL RETEST AND RESUBMIT UNTIL ACCEPTED BY LANDSCAPE ARCHITECT.

* IF SOIL TESTS INDICATE A HIGH pH ABOVE 8.5 PLANT SUBSTITUTIONS MUST BE MADE AS INDICATED APPROVAL.

* PROVIDE TEST ANALYSIS REPORT FOR EACH SAMPLE. PROVIDE TEST WEEKS BEFORE SCHEDULED PLACEMENT OR MIXING OF PLANTING SOIL MIXES. IF TEST FAIL TO MEET SPECIFICATIONS.

* FOR ALL IMPORTED TOPSOIL TYPES: SUBMIT SOIL TEST SPECIFICATIONS.

* REFER TO THE SPECIFICATIONS FOR MORE INFORMATION ON SOIL AMENDMENTS AND SOIL REQUIREMENT DEPTH OF SOIL.

* OVER EXCAVATE AS NECESSARY TO PROVIDE REQUIRED DEPTH OF SOIL.

* RIP, SCARIFY SUB-GRADE, COMPACT SOILS IN 6" LIFTS.

* REFER TO THE SPECIFICATIONS FOR MORE ADDITIONAL REQUIREMENTS OF GRADING.

* SEE REPORT OF SUBSURFACE EXPLORATION AND INSURE POSITIVE DRAINAGE ACROSS ALL FINISH GRADED SURFACES.

* LIMITS OF GRADING. REFER TO CIVIL ENGINEER'S PLANS.

* INLET PROTECTION FOR ALL.

* CONSTRUCTION IS RESPONSIBLE FOR PROVIDING MATERAL RETEST AND RESUBMIT UNTIL ACCEPTED BY LANDSCAPE ARCHITECT.

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* RIP, SCARIFY SUB-GRADE, COMPACT SOILS IN 6" LIFTS.

* REFER TO THE SPECIFICATIONS FOR MORE ADDITIONAL REQUIREMENTS OF GRADING.

* SEE REPORT OF SUBSURFACE EXPLORATION AND INSURE POSITIVE DRAINAGE ACROSS ALL FINISH GRADED SURFACES.

* LIMITS OF GRADING. REFER TO CIVIL ENGINEER'S PLANS.

* INLET PROTECTION FOR ALL.
GENERAL NOTES - SOILS:

1. All areas within grading limits or disturbed by construction activities and not shown to the limits of grading. Refer to Civil Engineer's plans for more information on soils amendments and soil types.

2. Preserve & protect soils at existing grade. Over excavate as necessary to provide compensating for settling and required depth of soil.

3. Preparation of transition zone above subsoil in turf by the tree's drip line. Do not fill over existing tree root zones defined in site survey for existing grade conditions.

4. Rip, scarify sub-grade, compact soils in 6" lifts. Compaction as necessary, refer to specifications and shown in the details.


6. Preserve & protect soils at existing grade. Over excavate as necessary to provide compensating for settling and required depth of soil.

7. Plant substituions must be made as indicated on the plant schedule. 7.5 Plant Substitutions must be approved. If soil tests indicate a high pH above the limits of grading, refer to the landscape architect for review and planting soil mix for each sample. Provide test analysis report for all ammended areas at least 8 weeks before scheduled placement or mixing of planting soil. Material retest and resubmit until accepted by the landscape architect.

8. Limit the area of soil required. Compensate for settling and required depth of soil.


10. Prepare transition zone above subsoil in turf by the tree's drip line. Do not fill over existing tree root zones defined in site survey for existing grade conditions.

11. Rip, scarify sub-grade, compact soils in 6" lifts. Compaction as necessary, refer to specifications and shown in the details.


13. Preserve & protect soils at existing grade. Over excavate as necessary to provide compensating for settling and required depth of soil.


SOILS LEGEND:

1. General notes - soils:
   a. Inlet protection for all drain inlets within the project.
   b. For all areas within grading limits or disturbed by construction activities and not shown to the limits of grading, refer to civil engineer's plans for more information on soils amendments and soil types.
   c. Preserve & protect soils at existing grade. Over excavate as necessary to provide compensating for settling and required depth of soil.
   d. Rip, scarify sub-grade, compact soils in 6" lifts. Compaction as necessary, refer to specifications and shown in the details.
   f. Preserve & protect soils at existing grade. Over excavate as necessary to provide compensating for settling and required depth of soil.

SCALE: 1" = 20'-0"
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PLANTING LEGEND:
PERENNIAL PLANTINGS AT INFILTRATION STRIPS / BIORETENTION BASIN
PERENNIAL PLANTING BEDS INCLUDING; ORNAMENTAL GRASSES, SHRUBS, PERENNIALS, & GROUNDCOVERS

LEGEND FOR GENERAL REFERENCE PURPOSES ONLY.
NOT ALL ITEMS LISTED BELOW ARE USED ON EACH SHEET.
SEE SHEET L5.04 - PLANTING DETAILS AND SCHEDULE FOR INFORMATION REGARDING PLANTING DETAILS AND PLANTING QUANTITIES.

PROJECT
PROPOSED TREE - TREE SPECIES TO BE SELECTED FROM APPROVED CITY OF CANAL WINCHESTER PLANTING LIST.
- 2.5" CALIPER
- B&B
EXISTING TREE - PRESERVE AND PROTECT DURING CONSTRUCTION.
- DO NOT STOCKPILE CONSTRUCTION MATERIALS AND/OR NO CONSTRUCTION TRAFFIC PERMITTED WITHIN THE EXISTING TREE'S DRIP LINE.

LAWN, SEEDED
XX
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PROGRESS PRINTS MEET FOR CONSTRUCTION
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Design
Partnership

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III

Autodesk Docs://22007 CML Canal Winchester Branch/CLCW-LND.rvt10/24/2023 12:15:13 PM

SITE PLANTING PLANS - ZONE 2
L2.32 / SITE PLANTING PLANS - ZONE 2
L2.31

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L2.31

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L2.31

SCALE: 1" = 20'-0"

SCHEMATIC DESIGN 12 MAY 2023
INTERIM DD 27 OCT 2023
PLANTING LEGEND:

PERENNIAL PLANTINGS AT INFILTRATION STRIPS / BIORETENTION BASIN

PERENNIAL PLANTING BEDS INCLUDING;
ORNAMENTAL GRASSES, SHRUBS, PERENNIALS, & GROUNDCOVERS

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LAWN, SEEDED

PROPOSED TREE - TREE SPECIES TO BE SELECTED FROM APPROVED CITY OF CANAL WINCHESTER PLANTING LIST.
- 2.5" CALIPER
- B&B

EXISTING TREE - PRESERVE AND PROTECT DURING CONSTRUCTION.
- DO NOT STOCKPILE CONSTRUCTION MATERIALS AND/OR NO CONSTRUCTION TRAFFIC PERMITTED WITHIN THE EXISTING TREE'S DRIP LINE.

SCALE: 1" = 20'-0"
RHS 6" X 0.25 GALV. STEEL GATE POST. PAINTED BLACK COLOR.
SUBMIT TO OWNER AND LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

2 X 4 NATURAL CEDAR PICKET SET PERPENDICULAR TO GATE FRAME
2 X 4 NATURAL CEDAR PICKET
1 1/2" X 1 1/2" X 3/16" GALV. STEEL ANGLE SUPPORT FRAMING PAINTED BLACK COLOR, TYP.
2 X 2 PRESSURE TREATED SUBFRAME, TYP.
5' - 0" HEAVY DUTY CONCRETE PAVEMENT, SEE CIVIL ENGINEER'S DRAWINGS.
24" DIA. CONCRETE FOOTING, TYP.
COMPACTED AGGREGATE BASE. ODOT ITEM #304

HINGE, BEYOND L5.02
6
2' - 0" 8" 6"
23' - 4"
24' - 0" 2"
12' - 0" 12' - 0"
4" 4"

GALV. STEEL 1/4" X 5" PLATE PAINTED BLACK COLOR
2 X 4 CEDAR PICKET - NATURAL
2 X 2 PRESSURE TREATED SUBFRAME
1 1/2" X 1 1/2" X 3/16" GALV. STEEL ANGLE SUPPORT FRAME. PAINTED BLACK COLOR.
1 1/2" X 1 1/2" X 3/16" GALV. STEEL ANGLE SUPPORT FRAME PAINTED BLACK COLOR

1/4" GALV. STEEL POST CAP PAINTED BLACK COLOR

ZERK GREASE FITTINGS ARE INSTALLED ON THE DUMPSTER HINGES ON FRONT SIDE OF GATE
RHS 6.625" X 0.25" GALV. STEEL HINGE PAINTED BLACK COLOR
RHS 6.625" X 0.25" GALV. STEEL POST-CONC. PAINTED BLACK COLOR
RHS 6.625" X 0.25" GALV. STEEL SUPPORT BRACKET PAINTED BLACK COLOR

WELD

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BDP NO. 23062

ENCLOSURE SCREEN FENCE ENLARGEMENT PLAN, TYPICAL
ENCLOSURE GATE ELEVATION - INTERIOR
ENCLOSURE GATE ELEVATION - EXTERIOR
8'-0" TALL ENCLOSURE FENCE DETAIL
ENCLOSURE SCREEN FENCE ENLARGEMENT PLAN, TYPICAL

PROGRESS PRINTS NOT FOR CONSTRUCTION
III

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REFUSE ENCLOSURE DETAILS
L5.02
GENERAL NOTES - PLANTING:

1. CONTRACTOR SHALL THOROUGHLY WATER ALL PLANTS AT TIME OF INSTALLATION AND AS NEEDED UNTIL PROJECT COMPLETION.
2. Application rate of lawn fertilizer shall be sufficient to amend soil according to manufacturer's instructions.
3. All trees and shrubs shall be fertilized with controlled release tablets of 20-10-5 composition. Size and fine grade lawn areas to provide a smooth and continual grade free of irregularities or fungi.
4. Mycorrhizal fungi shall be a dry, mix mycorrhizal fungi into planting mix during placement of planting mix. Application rate shall be according to manufacturer's written recommendations.
5. Parking lot and street trees shall have a clear canopy height of 6' min. to exceed standards set in the U.S.A. standard for nursery stock.
6. Install all plants in accordance with planting details and specifications. All plants shall meet or exceed standards set in the U.S.A. standard for nursery stock.
7. Excavated material shall be removed from the bed edge and planting bed.
8. Average applied thickness shall be 3" depth. Mulch hedges in a continuous bed.
9. Mulch planting beds with double shredded hardwood bark mulch of uniform natural brown color.
10. Contractor shall repair damages to the satisfaction of the owner.
11. Contractor may slightly field adjust plant locations as necessary to avoid utilities.
12. Substituted materials shall be equivalent or greater in size than the specified plant. Substituted plants acceptable to the landscape contractor.
13. Soil amendment @ tree.

PLANT SCHEDULE:

1. Tree Football Preparation Detail
2. Tree Staking & Guying - Single Stem
3. Orthogonal Plant Spacing (per area)
4. Triangular Plant Spacing
5. Soil Amendment @ Tree
6. Planting Bed Edge Detail
7. Planting Details
8. Orthogonal Plant Spacing (per area)
9. Root Aeration System
10. Evergreen Tree
11. Single Stem Tree Staking
12. Groundcover & Perennial Planting Detail
13. Tree Planting
14. Shrub Planting
15. Planting Bed Detail

PLANTING DETAILS:

- Placement, soil amendments, and planting mix shall be in accordance with manufacturer’s instructions and specifications.
- Roots shall be handled with care. Trees shall be placed with the root flare at the soil line and the centerline of the tree coinciding with the centerline of the planting space.
- Trees shall be staked and guyed in accordance with the manufacturer’s instructions.
- Trees shall be backfilled with a mixture of undisturbed soil or biodegradable materials.
- Groundcover and perennials shall be planted in accordance with the manufacturer’s instructions and specifications.
- Mulch shall be applied in a continuous bed.
- Trees and shrubs shall be fertilized with controlled release tablets of 20-10-5 composition.
- Mycorrhizal fungi shall be mixed into the planting mix during placement.
- Trees and shrubs shall be watered at time of installation and as needed until project completion.
- Parking lot and street trees shall have a clear canopy height of 6' min.
- Excavated material shall be removed from the bed edge and planting bed.
- Average applied thickness shall be 3" depth. Mulch hedges in a continuous bed.
- Mulch planting beds with double shredded hardwood bark mulch of uniform natural brown color.
- Contractor shall repair damages to the satisfaction of the owner.
- Contractor may slightly field adjust plant locations as necessary to avoid utilities.
- Substituted materials shall be equivalent or greater in size than the specified plant. Substituted plants acceptable to the landscape contractor.
- Soil amendment @ tree.

NOTES:

- Orthogonal Spacing (per area)
  - Spacing as shown on plans and/or on plant lists.
- Triangular Spacing
  - Spacing as shown on plans and/or on plant lists.
- Tree Football Preparation Detail
  - Placement, soil amendments, and planting mix shall be in accordance with manufacturer’s instructions and specifications.
- Trees shall be placed with the root flare at the soil line and the centerline of the tree coinciding with the centerline of the planting space.
- Trees shall be staked and guyed in accordance with the manufacturer’s instructions.
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- Substituted materials shall be equivalent or greater in size than the specified plant. Substituted plants acceptable to the landscape contractor.
- Soil amendment @ tree.