

HICKORY WOODS PARK IMPROVEMENTS

1271 POLLOCK ROAD
DELAWARE, OHIO 43015

PREPARED FOR:
PRESERVATION PARK OF DELAWARE COUNTY

2656 HOGBACK ROAD
SUNBURY, OHIO 43074

CONSTRUCTION DOCUMENTS
BID SET FEBRUARY 12, 2026

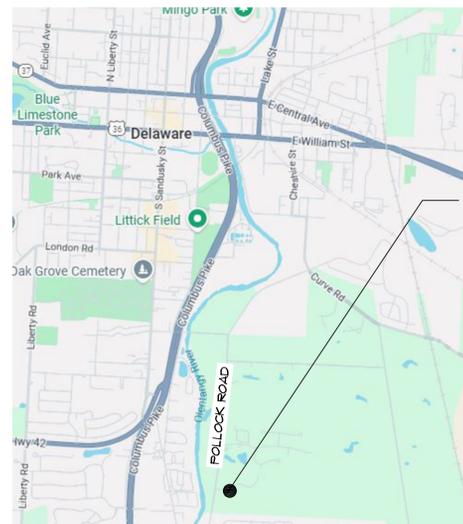


CONSULTANTS

STRUCTURAL ENGINEER:
DERWACHTER & ASSOCIATES
5275 MILFORD DR.
ZANESVILLE, OHIO 43701
(740) 319-1822

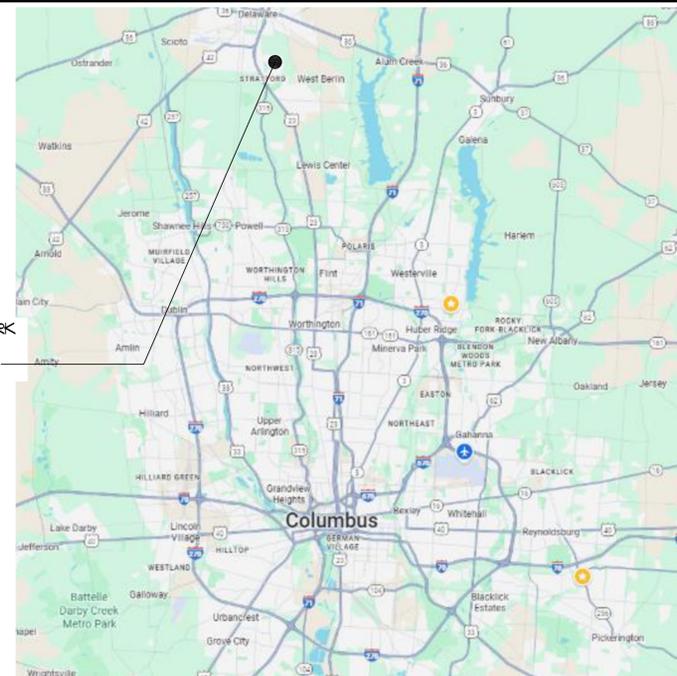


MEP ENGINEER:
ROGER D. FIELDS ASSOCIATES
580 N. 4TH ST., SUITE 240
COLUMBUS, OHIO 43215-2156
(614) 451-2248



LOCATION MAP
N.T.S.

HICKORY WOODS PARK
1271 POLLOCK ROAD
DELAWARE, OH 43015



VICINITY MAP
N.T.S.

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TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2027
SIGNED: Tony Schorr DATE: 02/12/2026

CIVIL ENGINEER:
EMH&T
5500 NEW ALBANY ROAD
COLUMBUS, OHIO 43054
(614) 775-4500

ASSOCIATE ARCHITECT:
SCHORR ARCHITECTS, INC.
230 BRADENTON AVE.
DUBLIN, OH 43017 OFFICE:
(614) 798-2096 FAX: (614) 798-2097





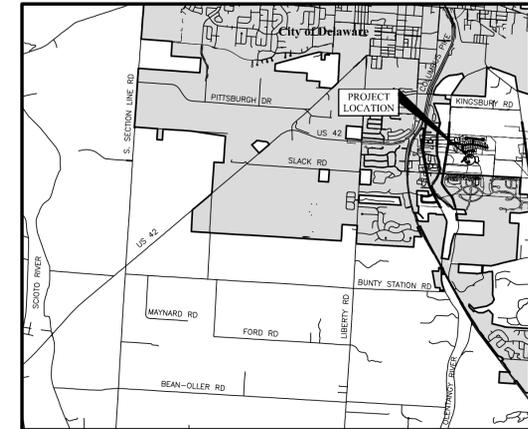
PRESERVATION PARKS OF DELAWARE COUNTY

HICKORY WOODS PARK

PARK IMPROVEMENTS

DELAWARE COUNTY, OHIO

2026



LOCATION MAP
Scale: 1" = 1000'

Sheet Index	
Sheet Number	Sheet Title
1	Title Sheet
2	General Notes
3	Details & Legend
4	Existing Conditions & Demolition Plan
5	Staging and Maintenance Access Plan
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17	Landscape - Engineered Wood Fiber Surfacing Details
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20	Landscape - Sections 1
21	Landscape - Sections 2

Vertical Datum

The elevations shown on this map are based on the North American Vertical Datum of 1988. Said elevations are based upon positional solutions derived from RTK GNSS observations using the Ohio Department of Transportation's Ohio Real Time Network equipment and software and the National Geodetic Survey's GEOID18 model at traverse control points numbered 201 and 202. Elevations from said traverse control points were then transferred by conventional leveling procedures to the permanent benchmarks listed herein. (Fieldwork Completed 05/2025).

BENCH MARKS
(NAVD 1988)

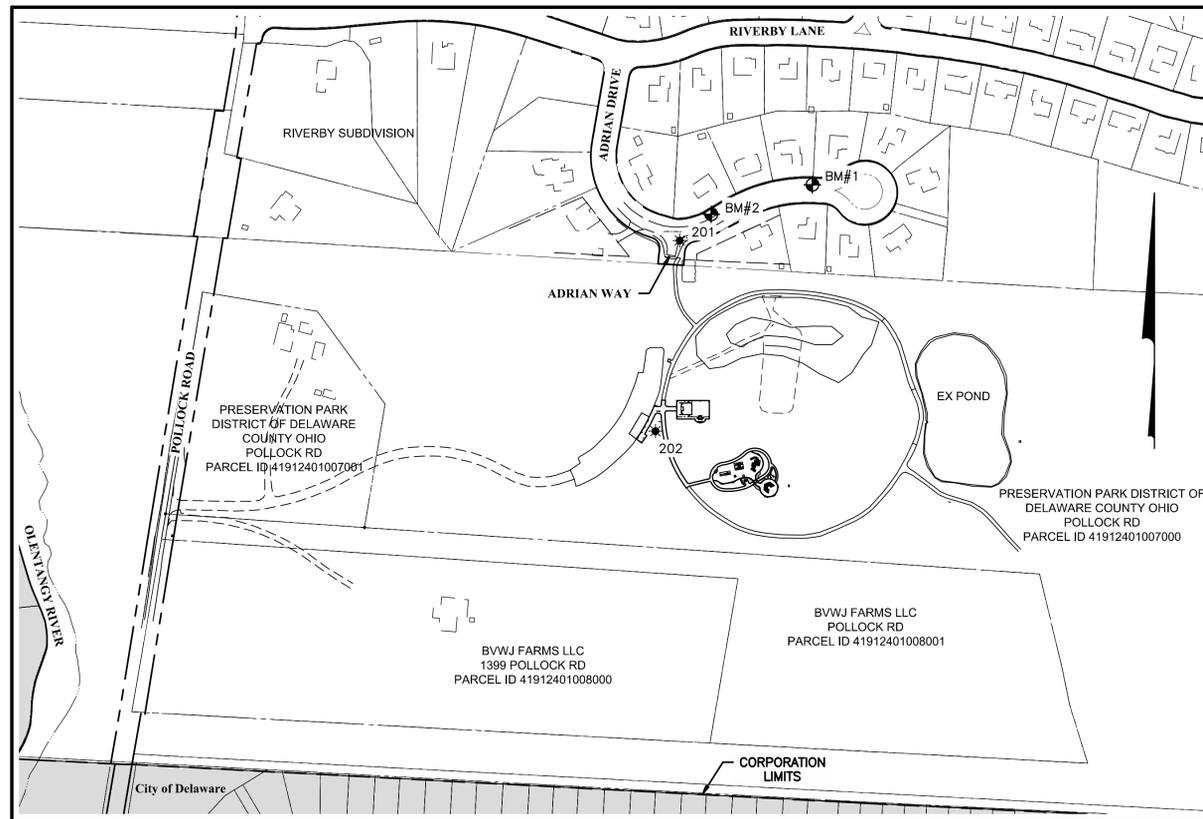
DESCRIPTION	ELEVATION
BM#1 CHISELED 'X' ON THE SOUTH FLANGE BOLT OF A FIRE HYDRANT LOCATED ON THE NORTH SIDE OF ADRIAN DRIVE, BEING 50 FEET EAST OF THE DRIVEWAY OF RESIDENCE #549. (222341N, 1812936E)	891.20
BM#2 CHISELED 'X' ON THE SOUTH FLANGE BOLT OF A FIRE HYDRANT LOCATED ON THE NORTH SIDE OF ADRIAN DRIVE, BEING 20 FEET WEST OF THE DRIVEWAY OF RESIDENCE #517. (222271N, 1812697E)	892.83

Horizontal Datum

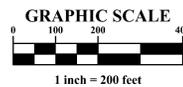
The coordinates shown on this map are based on the Ohio State Plane Coordinate System, North Zone, NAD 83 (2011). Said coordinates are based upon positional solutions derived from RTK GNSS observations using the Ohio Department of Transportation's Ohio Real Time Network equipment and software at traverse control points numbered 201 and 202. The grid to ground combined scale factor (1.0000031978707) was applied at the location of point number 201 (N 222210.580, E 1812622.702) (Fieldwork Completed 05/2025).

CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
201	222210.580	1812622.702	890.28	MAGS
202	221762.304	1812565.375	890.88	IRS



INDEX MAP
Scale: 1" = 200'



STANDARD CONSTRUCTION DRAWINGS

The Standard Construction Drawings listed on these plans are to be considered a part thereof.

CITY OF DELAWARE

WTRD-7.0	ERSD-1.0	SEWD-12.0
WTRD-8.0	ERSD-2.0	SEWD-13.0
WTRD-9.0	ERSD-3.0	SEWD-14.0
WTRD-11.0	ERSD-4.0	
WTRD-12.0	ERSD-7.0	
WTRD-13.0	ERSD-10.1	
WTRD-14.0	ERSD-10.2	
WTRD-15.0	ERSD-10.3	
WTRD-18.1	ERSD-10.4	

DEL-CO WATER

D-1	D-4	D-10	D-24
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OWNER

Preservation Parks of Delaware County
2656 Hogback Road
Sunbury, OH 43074
Contact: Kerry Gerich, PLA, ASLA
Email: kgerich@preservationparks.com



BID SET
NOT TO BE USED FOR
CONSTRUCTION

PLAN SET DATE
February 2026

CITY OF DELAWARE APPROVALS

JONATHAN R. OWEN, P.E. CITY ENGINEER	DATE
WILLIAM L. FERRIGNO, P.E. PUBLIC WORKS DIRECTOR	DATE
PUBLIC UTILITIES DIRECTOR	DATE

CITY OF DELAWARE SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER PREPARING THE PLANS.

PREPARED BY:

EMHT
Evans, Mechwart, Hombler & Titon, Inc.
Engineers + Surveyors + Planners + Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

Registered Engineer No. 73166

Date

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
TITLE SHEET



DATE
February 2026

SCALE
AS NOTED

JOB NO.
2025-0297

SHEET
1/21

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SPECIFICATIONS

The current City of Columbus "Construction and Material Specifications" (CMSC) together with the requirements of the Project Manual shall govern all materials and workmanship involved in the improvements shown on these plans except as such specifications are modified by the following specifications, or by the construction details set forth herein. In case of any conflict among these identified technical specifications, the greater requirement shall take precedence as determined by the sole discretion of Preservation Parks of Delaware County (PPDC or Owner).

PERMITS

The Contractor shall obtain all necessary permits prior to construction.

BENCH MARKS

The Contractor shall carefully preserve benchmarks, reference points, and stakes. Any benchmark, reference point, or survey marker damaged or disturbed by the Contractor shall be reset by an Ohio Registered Surveyor at the Contractor's expense.

SAFETY REQUIREMENTS

The Contractor and any and all Subcontractors shall be solely responsible for complying with all federal, state, and local safety requirements, together with exercising precautions at all times for the protection of persons (including employees) and property. It is also solely the responsibility of the Contractor and Subcontractors to initiate, maintain, and supervise all safety requirements, precautions, and programs in connection with the work.

CONFINED SPACE ENTRY

The Contractor shall be solely responsible for following the OSHA requirements for "Confined Space Entry" (CSE), Title #29 of the Federal Regulations Code, Part 1910.146, while performing work inside any manhole or other confined space requiring a permit. A copy of all CSE permits shall be given to PPDC upon project completion.

INSPECTION

PPDC of Delaware will provide or coordinate construction inspection for this project. No work shall be commenced until a pre-construction meeting has been held.

WORK HOURS

General work hours on this project shall be from 7AM to 6PM unless otherwise approved by PPDC. Weekend work may be permitted on a case-by-case basis. Contractor shall make requests for weekend work to PPDC no later than 48 hours prior.

SPECIAL EVENTS

Contractor shall, at no additional cost, accommodate park use by the public during construction by consolidating materials and equipment within the site and fully enclosing the work area prior to the end of the work day.

UTILITIES

The identity and locations of existing underground utilities in the construction area have been shown on the approved construction drawings as accurately as provided by the Owner of the underground utility as required by Section 153.64 or Section 3781.27 of the Ohio Revised Code. PPDC and the Engineer assume no responsibility for the accuracy of locations or depths of underground facilities shown on the approved construction drawings. When unknown or incorrectly located underground utilities are encountered during construction, the Contractor shall immediately notify the utility owner and PPDC.

The Contractor shall notify the Ohio 811 at 1-800-362-2764 at least 48 HOURS, and NO MORE THAN 10 DAYS PRIOR TO excavating, with such time periods not including weekends or holidays. Contractor shall similarly contact all utility owners who are not subscribers to OUPS.

The Contractor is responsible for the investigation, location, support, protection and restoration of all existing utilities and appurtenances whether shown on the plans or not. The Contractor shall proceed with the work and protect all underground utilities in a manner at least as cautious and protective of safety and underground utilities as those methods identified in Sections 3781.25 through 3781.30 of the Ohio Revised Code.

All private utility relocation (gas, electric, phone, etc.) will be the responsibility of the utility owners. The Contractor is responsible for coordinating the relocation and/or protection of any utilities as required by the plan with the owner of the affected utility.

EXPOSE EXISTING UTILITY

Where potential grade and alignment conflicts might occur with existing utilities, or as specifically called out on the plans (these locations are noted thus: EXPOSE), the Contractor shall expose utilities or structure sufficiently in advance of laying pipe to verify the vertical and horizontal effect on the proposed construction. Any discrepancy to the plans shall be coordinated with PPDC to ensure that there are no construction or conflict issues associated with discrepancy. The cost of this work shall be included in the unit price bid for the proposed work if a specific bid item is not provided in the estimate of quantities.

CONTRACTOR SITE VISIT

The Contractor is required to visit the site and fully become aware of all conditions affecting the scope of the work presented in the contract documents. Failure of the Contractor to visit the site shall not relieve the Contractor of any responsibility in the performance of this Contract.

MISCELLANEOUS WORK

The Contractor shall furnish all labor, materials, tools, equipment, services, and related accessories for a complete project, as shown and described in the plans and specifications. The price for items of work or materials shown on the plans or provided for in the specifications or special provisions for which no specific method of payment is provided, shall be performed by the Contractor and the costs included among their bid. Submission of a bid shall be considered evidence that the bidder is satisfied with the plans and conditions, as shown. No additional compensation will be paid to the Contractor for compliance with the plans, specifications, or special provisions.

SUBSURFACE SOIL DATA

Subsurface investigations are included in the project manual. It is the responsibility of the Contractor to make his own investigations of subsurface conditions prior to submitting his proposal. It is therefore the Contractor's responsibility to determine subsurface/site conditions, and no additional payment will be made for differing site conditions. Any performance of site subsurface investigations (test holes) shall be coordinated in advance with PPDC as warranted. Excavated material shall be replaced in a controlled manner to minimize impact on field earthwork.

WORK LIMITS

The Contractor is responsible for containing all performed work and all equipment, materials, vehicles, etc., used to complete the work within the work limits as shown on these plans. The Contractor is responsible for cost of restoration for any area outside of the work limits to former condition and to the satisfaction of the Property Owner.

CONTRACT WORK PERFORMED BY PPDC

In the event that it becomes necessary for PPDC to perform work of an immediate nature (such as the placement of barricades or replacement of signs or other warning or protective devices) required of the Contractor by this contract because of failure or refusal of the Contractor to perform such work, the Contractor shall reimburse PPDC at the Rate of 2.5 times the actual cost of labor, materials and equipment necessary to perform such work. PPDC shall be reimbursed by the Contractor by way of a deduction from the Contractor's net payment under the Contract.

CONVENIENCE FACILITIES

The Contractor shall furnish and maintain sanitary convenience facilities for the workmen and inspectors for the duration of the work. Cost shall be included in the price bid for the various items.

NON-RUBBER TIRED VEHICLES

No non-rubber tired vehicles shall be moved on park roads or parking lots. Exceptions may be granted by PPDC where short distances and special circumstances are involved. Granting of exceptions must be in writing, and any damage must be repaired by the Contractor to the satisfaction of PPDC.

PROTECTION OF TREES

The Contractor's cooperation is required to prevent damage to existing park trees. Any damages to limbs, bark, roots, etc. shall cause PPDC to retain \$1,000 per occurrence. If the Contractor believes that he cannot perform the work required by the Contract without damaging the tree, he shall so notify PPDC in advance of such work and a release will be provided from these requirements on a case by case basis. All exposed roots shall be neatly cut and trimmed prior to backfill. The roots shall be inspected by PPDC prior to backfill. Protect trees with tree protection fence. Trees damaged or destroyed that were not designated for removal or approved by PPDC for removal shall be replaced at the Contractor's expense.

PRUNING

Branches or growth which interferes with the free construction of the project may be removed from trees/bushes that are to be saved by the use of pruning tools with prior approval from PPDC. All pruning tools used and methods employed shall meet the approval of PPDC. The branches shall be removed with a good clean cut made flush with the parent trunk or if having a good healthy lateral branch, the cut shall be a good clean slanting cut close to and beyond the healthy branch.

DEWATERING

The Contractor is solely responsible to the Ohio Department of Natural Resources (O.D.N.R.) for registry, maintenance, and abandonment of any withdrawal devices used in the construction of this project.

Installation of any well, well point, pit or other device used for the purpose of lowering the groundwater level to facilitate construction of this project shall be properly abandoned in accordance with the provisions of Section 3745-9-10 of the Ohio Administrative Code or as directed by the Director or his representatives.

The Contractor shall be required to complete and file a Well Log and a Drilling Report Form with O.D.N.R., Division of Water, within 30 days of the completion of installation of any well, well point, pit or other device used for the purpose of removing groundwater from an aquifer, in accordance with Sections 1521.01 and 1521.05 of the Ohio Revised Code. In addition, any such facility that has a capacity to withdraw waters of the State in an amount greater than 100,000 gallons per day from all sources shall be registered by the Contractor with the Chief of the O.D.N.R., Division of Water, within three months of the completion of the facility in accordance with Section 1521.16 of the Ohio Revised Code. Copies of the necessary paperwork can be obtained at O.D.N.R., Division of Water, Fountain Square, Columbus, OH, 43224-1387 - (614) 265-6717.

The Contractor shall furnish and operate suitable pumping equipment of such capacity, adequate to dewater the trench, should water be encountered. The trench shall be sufficiently dewatered so that the placement of bedding and the laying and joining of pipe is made on firm, dry ground. If dewatering cannot produce acceptable subgrade, and only as directed by PPDC, unsuitable materials shall be removed and replaced by CMSC Item 906, stone foundation.

The Contractor shall convey all trench water to a natural drainage channel or storm sewer without damage to property. The Contractor shall be responsible to place and maintain the necessary sediment control measures to filter the dewatering discharge. Cost for the above shall be included in the bid price for the improvements.

The cost of any dewatering operations required for the construction of the sanitary sewer shall be included in the price bid for the various sewer items.

REPLACEMENT OF DRAIN TILES AND STORM SEWERS

All drain tile and storm sewers damaged, disturbed, or removed as a result of the Contractor's operations shall be replaced with the same quality pipe or better, maintaining the same gradient as existing. Replaced drain tile shall be laid on compacted bedding equal in density to surrounding stratum. Replacement shall be done at the time of the backfill operation. Cost of this work to be included in the price bid for the various items.

MAINTAIN DRAINAGE

The flow in all sewers, drains, and watercourses encountered shall be maintained by the Contractor at his own expense, and whenever such watercourses and drains are disturbed or destroyed during the prosecution of the work, they shall be restored by the Contractor at his own cost and expense, unless specific provision is made within the Contract Documents for the measure of and payment for such cost specific items, to a condition satisfactory to PPDC.

INLET PROTECTION

The Contractor is responsible to keep all storm sewer inlets protected from excessive amounts of sediments using adequate filtering devices as approved by PPDC.

EROSION & SEDIMENTATION CONTROL

The Contractor shall provide sediment control at all points where storm runoff leaves the project including waterways, overland sheet flow, and storm sewers. Erosion and sediment control shall be provided as per the requirements of the "Rainwater and Land Development" manual of the ODNR.

Erosion control measures are to be installed per NPDES permit regulations or as directed by PPDC, and are to be maintained until such time that they are no longer required by the permit and PPDC. All land disturbing activities shall be subject to inspection and site investigation by PPDC and/or the Ohio EPA. Failure to comply with these regulations is subject to legal enforcement action.

The Contractor is responsible to notify PPDC 48 hours prior to commencement of initial site land disturbance on any site of two or more acres. This includes site clearing, grubbing and any earth moving. Primary erosion and sediment control practices are mandated by regulations to be in place from the beginning of the construction activity.

SOIL STOCKPILES

The Contractor shall be responsible for keeping all soil stockpiles, including trench excavation stockpiles, protected from erosion. The areas surrounding the stockpiles are to be protected from sediment with the use of perimeter control devices such as earth or straw bale devices or silt fences. These perimeter control devices shall be maintained for the duration of the project.

DISPOSAL OF EXCESS EXCAVATION

The Contractor shall dispose of all unsuitable subgrade material and surplus excavation (cuts exceed fills) at an offsite location. Cost for removing excavated materials from the site shall be included in the bid price.

CONSTRUCTION DEBRIS

The Contractor shall be responsible for the immediate cleanup of any debris, mud or dirt tracked or spilled on park roads and/or public streets or private drives whether inside or outside the project area. The Contractor is responsible for the cost of any services contracted and/or completed by PPDC in the clean up of any tracking or spillage anytime during project construction. PPDC may require the Contractor to perform weekly street cleaning if excessive amounts of dirt and mud are left along streets and roads. This may include removal by sweeping, power cleaning, or manual methods.

CLEAN UP

All debris, rubble, unusable materials, and items not salvaged by PPDC shall become the property of the Contractor and shall be removed from the site by the Contractor and disposed of properly.

COORDINATION WITH UTILITIES

The Contractor shall exercise caution when working in the proximity of existing and/or relocated utility facilities. Costs to expose conduit shall be included in the items of work affected. The Contractor is reminded to keep their OUPS ticket updated according to industry practices.

BUILDING SANITARY AND WATER CONNECTIONS

All sanitary and water service piping from 5-ft. outside of building foundation to the building, including any under slab piping and cleanouts shall be installed by the building plumbing Contractor based on the building contractor's requirements. One sanitary cleanout shall be placed upstream of all connections within the building.

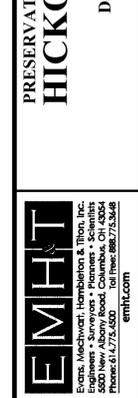
CLEARING AND GRUBBING

All trees, fence posts, rocks, brush, stumps, and other obstructions which would interfere with the site access and/or construction of these improvements shall be removed or trimmed per the lump sum price bid for item 201. The Contractor shall perform a pre-bid site visit to determine the extents of clearing and pruning additionally needed to construct the improvements as shown. Prior to clearing, the Contractor shall schedule a pre-clearing site visit with PPDC to confirm limits. The cost associated with erecting, maintaining, and removing the tree protection shall be included in the bid.

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 GENERAL NOTES



DATE	February 2026
SCALE	NONE
JOB NO.	2025-0297
SHEET	2/21

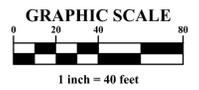
BID SET

NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
February 2026

NOTES:

- The Contractor shall protect the gravel path by whatever means necessary, by using rubber tire/tracked vehicles only and by bridging the path with steel plates to prevent point loading. Before construction the owner shall document the existing condition of the path prior to beginning of the work. Any damage to the path during construction shall be repaired at no additional cost to the owner.



PROPOSED LEGEND:
 [Hatched Box] To Be Removed



MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 EXISTING CONDITIONS & DEMOLITION PLAN

EMHT
 Evans, Meechwell, Hambelton & Hiron, Inc.
 Engineers • Surveyors • Planners • Architects
 5000 North State Street, Columbus, OH 43230
 Phone: 614.725.4500 emht.com

DATE
 February 2026

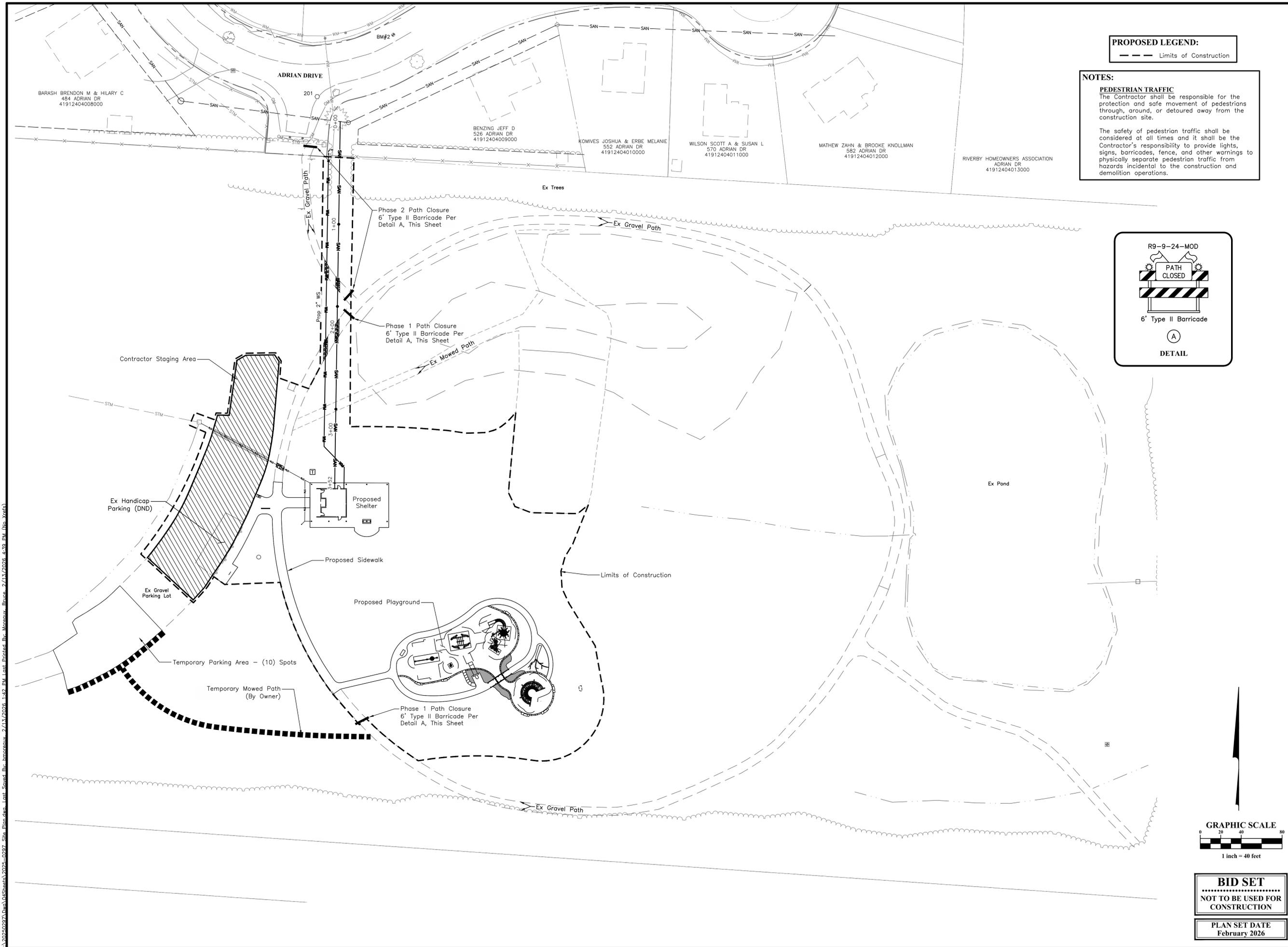
SCALE
 1" = 40'

JOB NO.
 2025-0297

SHEET
 4/21

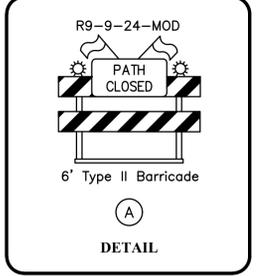
BID SET
 NOT TO BE USED FOR
 CONSTRUCTION
 PLAN SET DATE
 February 2026

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PROPOSED LEGEND:
 --- Limits of Construction

NOTES:
PEDESTRIAN TRAFFIC
 The Contractor shall be responsible for the protection and safe movement of pedestrians through, around, or detoured away from the construction site.
 The safety of pedestrian traffic shall be considered at all times and it shall be the Contractor's responsibility to provide lights, signs, barricades, fence, and other warnings to physically separate pedestrian traffic from hazards incidental to the construction and demolition operations.



MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 STAGING AND MAINTENANCE ACCESS PLAN

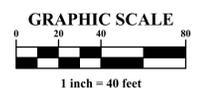
EMHT
 Evans, Mochel, Hamilton & Thon, Inc.
 Engineers • Surveyors • Planners • Architects
 5000 W. Main Street, Suite 100
 Columbus, OH 43228
 Phone: 614.735.4500
 emht.com

DATE
 February 2026

SCALE
 1" = 40'

JOB NO.
 2025-0297

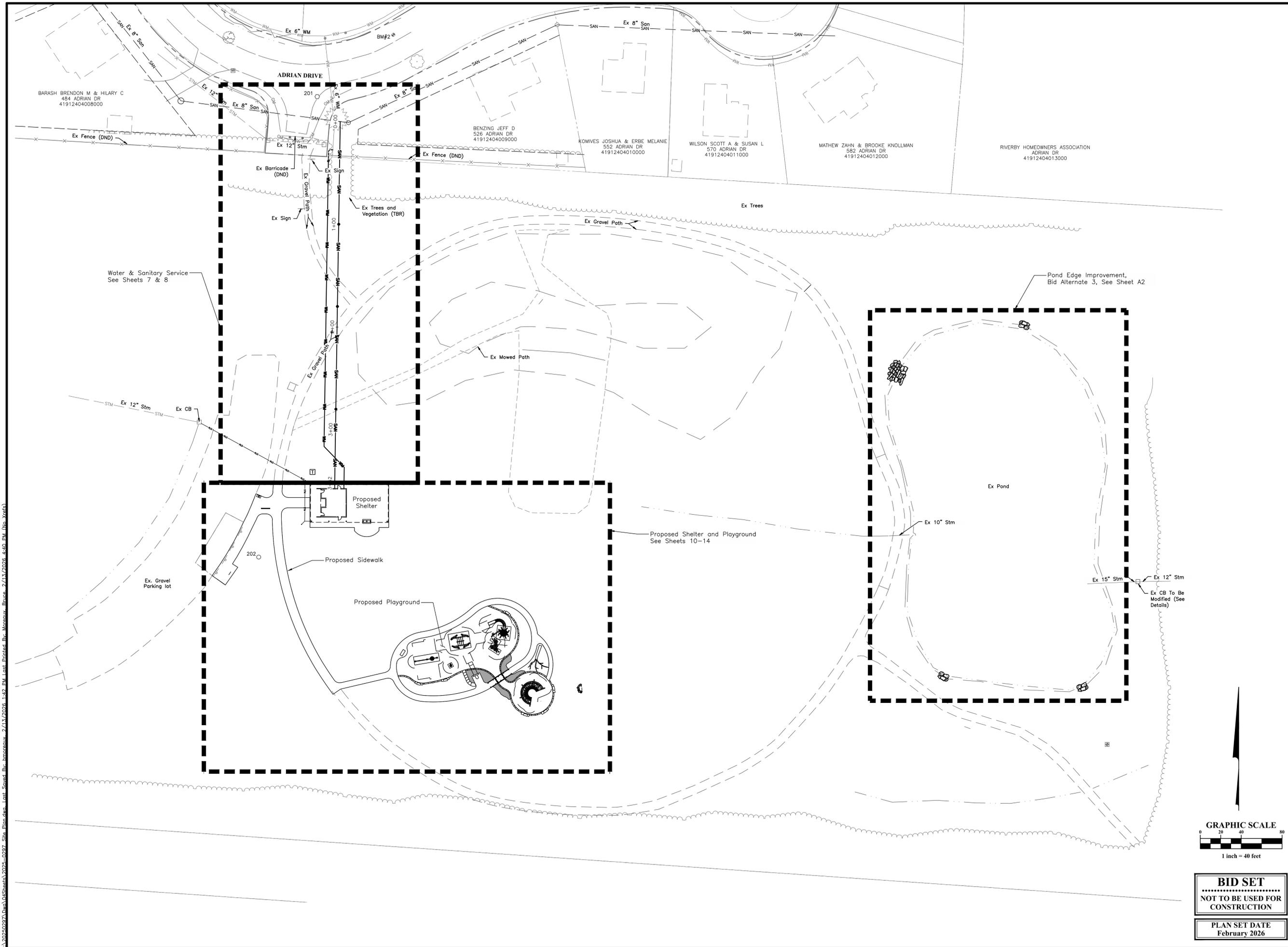
SHEET
 5/21



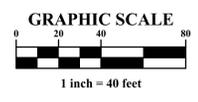
BID SET
 NOT TO BE USED FOR
 CONSTRUCTION

PLAN SET DATE
 February 2026

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BID SET
 NOT TO BE USED FOR
 CONSTRUCTION
 PLAN SET DATE
 February 2026

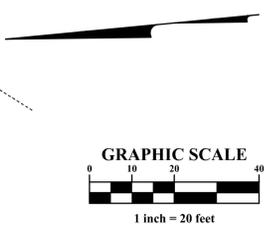
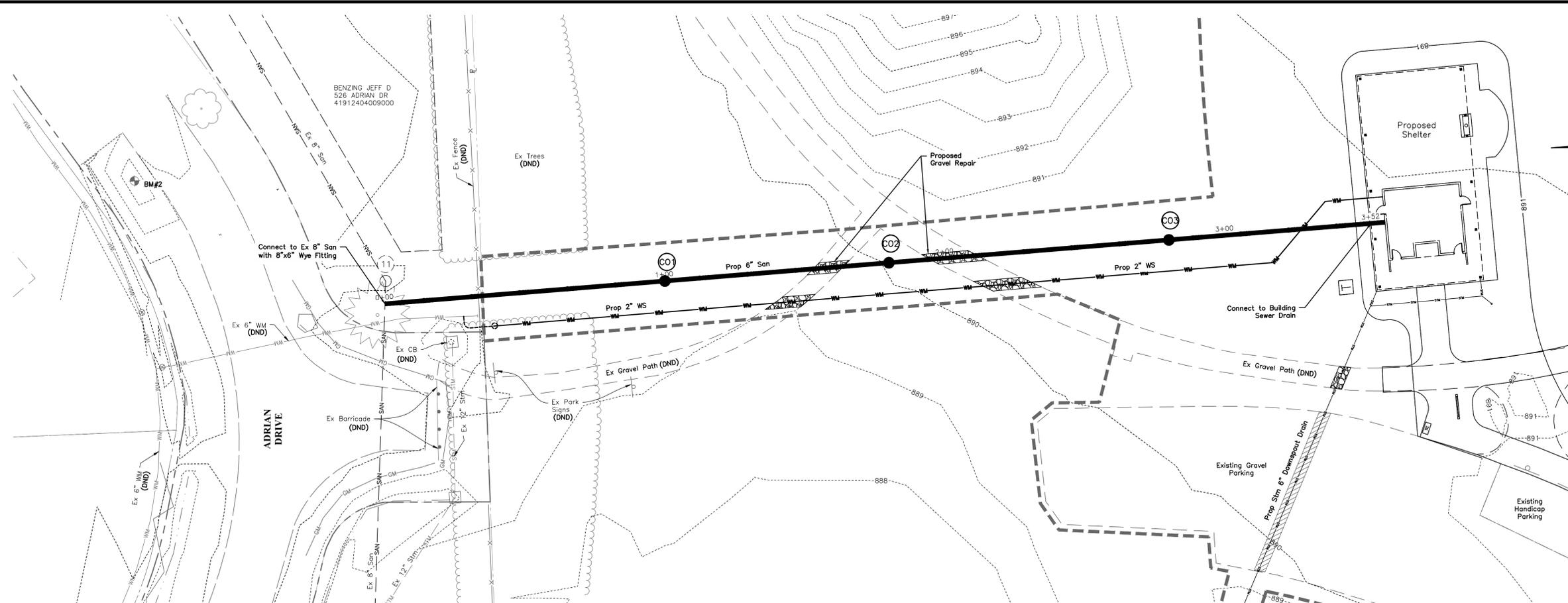
MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 SITE PLAN - OVERALL



DATE	February 2026
SCALE	1" = 40'
JOB NO.	2025-0297
SHEET	6/21



PROPOSED LEGEND:

	Gravel Parking Lot Repair See Detail
	Gravel Path Repair See Detail

REVISIONS

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 UTILITY PLAN - SANITARY SEWER SERVICE



DATE	February 2026
SCALE	Horiz: 1" = 20' Vert: 1" = 5'
JOB NO.	2025-0297
SHEET	8/21

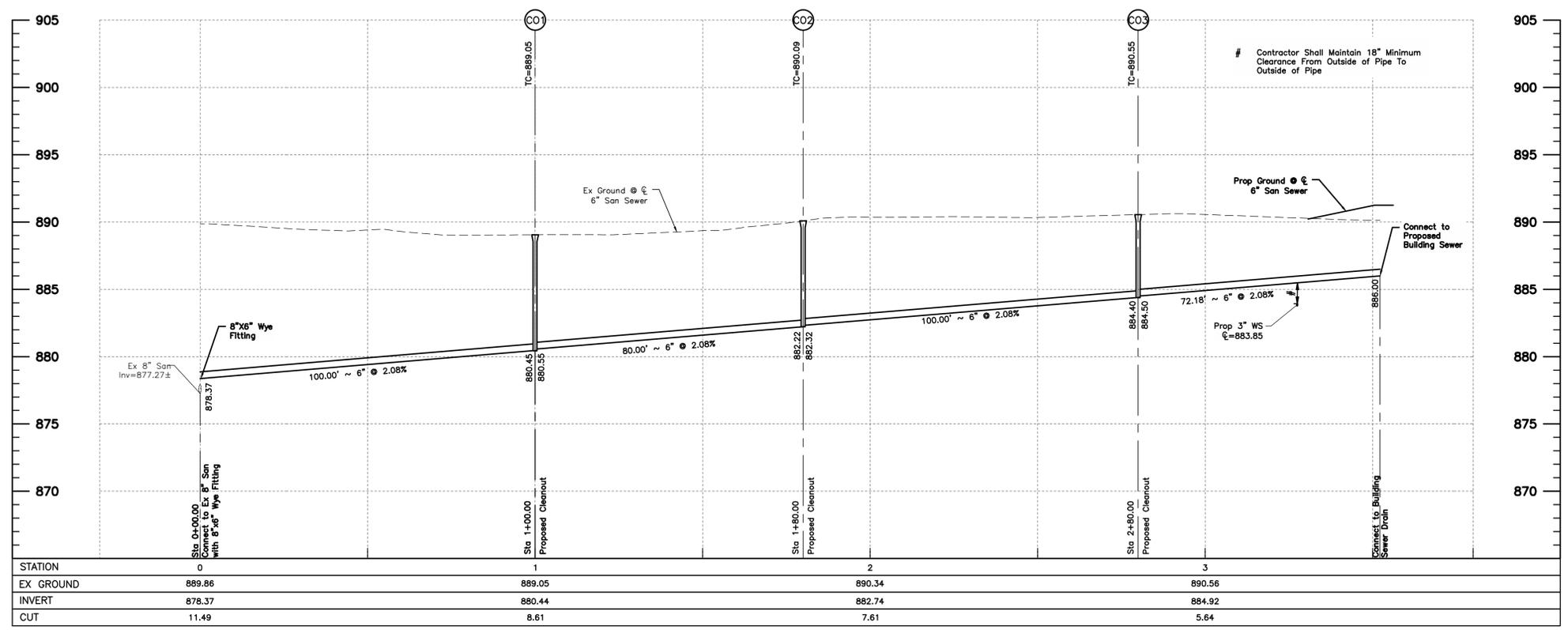
BID SET
 NOT TO BE USED FOR CONSTRUCTION
 PLAN SET DATE
 February 2026

AS-BUILT SANITARY SEWER COORDINATE TABLE

SHEET #	ITEM	STATION	OFFSET	NORTHING	EASTING	NORTHING	EASTING	℄ ELEVATION

NOTES:

- Unless otherwise noted the sanitary service shall have structural backfill per CMS 911.



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CITY OF DELAWARE SANITARY NOTES

SAS-1

All sanitary sewer shall be installed in accordance with the specifications contained within the most recent edition of the COC CMS, except as modified within the City of Delaware General Notes, Standard Drawings and Infrastructure Design Manual. The Contractor's specific attention is directed to the requirements of either the infiltration or exfiltration as specified by the COC CMS Section 900. All sanitary sewers, manholes and services shall be tested by the Contractor at the Contractor's expense. All sanitary sewers shall be subject to, and pass the infiltration or exfiltration test prior to acceptance, including vacuum testing of manholes. An air test is acceptable to the City. This air test shall be performed according to the current regulations.

SAS-2

Clean water connections including roof drains, foundation drains, sumps, etc. are prohibited from being connected to the sanitary sewer SYSTEM.

SAS-3

The minimum requirement for sanitary sewer pipe shall be ASTM D3034 polyvinyl chloride (PVC) sewer pipe, 46 psi pipe stiffness (SDR35), ASTM C1784 cell classification of 12454 or 12364, with ASTM D3212 pipe joints; ASTM F679 PVC sewer pipe, 46 psi pipe stiffness, ASTM cell classification 12454 or 12364, with ASTM D3212 pipe joints; or centrifugally cast fiberglass reinforced polymer cement (CCFRPM) pipe, ASTM D3262—Type 1, Liner 2, Grade 3, Stiffness 72 psi, unless otherwise shown on the plans. PVC pipe for installations with a depth of cover of greater than 20-feet shall be the same as specified above except with a pipe stiffness of 115 psi (SDR26) for ASTM D3034 and a pipe stiffness of 115 psi for ASTM F679. Pipe manufacturers must be on the current COC approved list, and require the additional approval of the City Public Utilities Department Director.

SAS-4

Sanitary sewer services shall be PVC pipe with the same specification as the sewer main and shall be 6-inch diameter, unless approved otherwise. The services are subject to either the infiltration or exfiltration testing requirements. All service extensions shall be installed at a minimum grade of 1/4" per foot and shall be constructed at the time of construction of the main sewer, unless otherwise directed by the City.

SAS-5

All PVC pipe shall be deflection tested thirty days or more after the trench has been backfilled to finished grade. A rigid mandrel shall be used for the testing. No mechanical pulling devices shall be used. Pipe deflection shall not exceed five 5%.

SAS-6 Not Used

SAS-7

Public sanitary manhole covers are to be East Jordan Iron Works No. 1661—A2, Neenah Foundry or equivalent, with enclosed pick holes and embossed "City of Delaware Sanitary Sewer". Private manhole covers shall be embossed "PRIVATE SEWER".

SAS-8

6"-0" long clay (trench) dams are to be installed on all sanitary laterals (both long and short laterals). Dams are to be installed by the contractor initially installing the laterals. No part of the clay dam shall be installed within the trench backfill for the sewer main or under the roadway pavement.

SAS-9 Not Used

SAS-10 Not Used

SAS-11

Where the sanitary sewer crosses under a proposed storm sewer or waterline the trench shall be backfilled to the bottom of the proposed storm sewer or waterline with compacted granular material Item 912, for a length of 10 LF centered on the storm sewer or waterline.

SAS-12

Prior to construction, the Contractor shall verify existing tie-in manhole flowline and topof-casting elevations. Manholes shall be built or adjusted so the tops conform to the elevations shown on these plans. All manhole casting adjustments shall be accomplished with pre-cast concrete or HDPE preformed adjustment rings.

SAS-13

All sanitary lines shall be installed with stone or gravel bedding as shown in the standard drawings.

SAS-14

Sanitary trench details shall be in accordance with City standard drawings.

SAS-15 Not Used

SAS-16 Not Used

SAS-17

All sanitary sewer manholes joints shall conform to the requirements of ASTM C443. All manholes shall have Wrapidseal Manhole Encapsulation System or an approved equal installed. The encapsulation shall include the frame and the top of the cone only.

SAS-18

All sanitary sewers are to be video inspected 3 months before the expiration of the maintenance bond. All mud and debris shall be removed prior to the maintenance bond being returned.

SAS-19

Shop Drawings are required for be submitted for review and approval per the City of Columbus CMS prior to the commencement of ordering materials/construction, this includes but is not limited to, all sanitary structures, pipe, fittings, manhole encapsulation system, frames, grates, and covers. Additional shop drawings shall be provided as requested by the City of Delaware.

DEL-CO WATER NOTES

1. General Notes as modified by Del-Co Water and shown on the approved Construction Drawings shall supersede the requirements of the Del-Co Water Company Construction Standards Manual wherever discrepancies occur.

2. Standard General Notes:

- a. Waterline design, materials, and installation methods shall conform to applicable sections of Recommended Standards for Water Works (Ten States Standards), American Water Works Association (AWWA) Standards, and the Del-Co Water Company Construction Standards Manual. Contractor shall obtain a copy of the standards and have in their possession at all times during construction. Coordinate work with Del-Co Water (740) 548-7746.
 - b. Del-Co Water's signature on this plan signifies only concurrence with the general purpose and location of the proposed waterline improvements. All technical details remain the responsibility of the professional engineer who prepared and certified these plans. Del-Co Water Company takes no responsibility, financial or otherwise, regarding errors in this plan.
 - c. Correction of errors shall be to the applicable Del-Co Water Company standard, and the sole responsibility of the developer. All corrections, or revisions that affect Del-Co's Waterline plans, directly or indirectly shall be submitted to, and approved by Del-Co Water Company prior to revisions being issued.
 - d. The contractor is responsible for the submission of GPS coordinates to the Del-Co Water GIS Department at the completion of the waterline installation. Based on the circumstances of the project, points may be required to be uploaded daily. These coordinates shall include all horizontal and vertical (Northing, Easting, Elevation) survey coordinates. The survey coordinates shall be obtained at the completion of water main installation and shall include all valves, tees, fire hydrants, bends, plugs, reducers, topped tees, curb boxes, air releases, 2" end of line fire hydrants, ends of casing pipe, and service saddles. GPS points and depths are also required on service line bores at each side of the road in addition to the saddle/water main and meter locations. GPS points should also be collected every 10 feet on services lines that are being deflected. Additional GPS coordinates are required on top of the exposed water main every 60' on straight runs, and at every bell (20') where the waterline is being deflected without fittings and where the trench can be safely entered. All GPS points shall be collected on the center or centerline of the feature. For hydrants, post indicator valves and 2" flush hydrants, the point correct location. To ensure accuracy, the GPS rod and level must be utilized for all points. All GPS points shall also have pertinent attributes collected, especially pipe material and pipe diameter where applicable. If the coordinates are unable to be collected on top of the water main or fitting, it shall be notated in the GPS attributes. If a coordinate is unable to be collected directly on top of the feature, an offset point must be collected by a capable survey grade unit.
 - i. GPS coordinates shall be referenced to the applicable county engineer's monuments and shall be based on the North American Datum of 1983 (NAD83) with the NSRS2007 adjustment, with further reference made to the Ohio State Plane North Coordinate System, North Zone, with elevations based on NAVD 88 Datum. All coordinates (Northing, Easting, Elevation) shall be referenced to the nearest hundredth. All survey coordinates shall be accurate to within 0.6 foot or less horizontal and vertical.
 - ii. The GPS coordinates shall be submitted to the Del-Co Water GIS Department in digital form, excluding Portable Document Format (PDF). Preferred file types include comma delimited text files and Microsoft Excel. The above-listed GPS coordinate information shall be submitted to the Del-Co Water GIS or Engineering Department as part of the as-built drawing submittal where applicable.
 - iii. Contractors are required to supply (own or rent) and maintain their own GPS devices. Del-Co Water reserves the right to deny inadequate GPS devices that are unable to provide sufficient accuracy required for submission.
 - e. As-Built drawings are required following the completion of construction. One set of drawings marked "As-Built" shall be submitted by the developer to Del-Co's Inspection Department for review and approval. Water mains cannot receive a Final Acceptance until as-built drawings have been approved. Please note: taps may not be purchased nor installed until water lines have received a Final Acceptance
 - f. Water mains shall become the ownership of Del-Co Water upon final acceptance.
 - g. Waterline construction plans are approved for a period of one year from the date of the approval letter or signed plans. If construction has not started within one year of the date of approval, plans shall be resubmitted to Del-Co Water Company for approval.
3. Waterline Construction:
- a. Waterlines shall be NSF 61 approved, and compliant with ASTM D2241 & Ohio EPA ENG-08-002 standards.
 - b. Use the following type and class of pipe unless otherwise indicated on the drawings:
 - i. 2-inch water line pipe: Class 200 SDR 21 Yelomine PVC (restrained joint).
 - ii. 4-inch water line pipe: Class 200 SDR 21 PVC.
 - iii. 6-inch water line pipe: Class 200 SDR 21 PVC.
 - iv. 8-inch to 12-inch water line pipe: Class 160 SDR 26 PVC.
 - v. 16-inch and larger water line pipe: AWWA C151 Class 52 DIP.
 - vi. 4-inch pipe and larger used for fire service: AWWA C900 DR 18 (150 PSI) PVC.
 - vii. All sizes of Del-Co-owned waterlines used on master meter projects: Class 200 SDR 21 PVC.
 - c. All sizes of Ductile Iron pipe shall be installed with V-Bio Enhanced Polyethylene Encasement and in accordance with Del-Co Water Subdivision Construction Standards Section 02731 Ductile Iron.
 - d. All fittings shall be mechanical joint conforming to AWWA C153.
 - e. Mechanical joint or Transition Pack T-bolts shall be corrosion resistant.
 - f. Crosses shall not be used without approval of Del-Co Water Company.
 - g. All valves shall be mechanical joint conforming to AWWA with AISI 304 stainless steel external hardware and shall be Resilient-Seated Gate valves per AWWA C509. Use of butterfly valves is prohibited.
 - h. Provide heavy-duty valve boxes on all hot-taps and at valves located under gravel or pavement surfaces.
 - i. Top of valve box shall be flush with finished grade in paved areas, and 4 inches above finished grade in non-paved areas.
 - j. Maintain a minimum 10-foot horizontal and 1.5-foot vertical separation between waterlines and sanitary and storm sewers.
 - k. All other buried utilities shall maintain a minimum 5-foot horizontal separation, and 2-foot vertical separation from the centerline of waterlines as finally laid and constructed.
 - l. Provide concrete thrust blocking for all fittings, valves, anchor tees, and hydrants.
 - m. Bury waterlines a minimum depth of 48-inches to the top of pipe.
 - n. All engineered fill to be placed over or under Del-Co Water Lines shall be in place prior to the construction of the water lines.
 - o. Place a 5-foot steel fence post or 4"x4" wood post at valves and the ends of lines. Paint blue.
 - p. Tracer Wire:
 - i. Install Copperhead® or equal 12-gauge high strength 452lb break strength 30 mil HDPE jacket, copper-clad, steel reinforced tracer wire on all water mains and service lines installed by trenching methods.
 - ii. Install Copperhead® or equal 12-gauge extra high strength 1150lb break strength 45 mil HDPE jacket, copper-clad, steel reinforced tracer wire on all water mains and service lines installed by boring methods.
 - iii. Fasten wire to pipe in two places per pipe section. Extend tracer wire to ground surface at all valves and hydrants as shown in the Del-Co standard detail. Splice wires using Burndy Copper Split Bolt KS-15. Thoroughly wrap the connector and bare wires with 3M Temflex 2155 Rubber Splicing Tape, cover entire connection with Scotch Super 88 Heavy Duty Grade Electrical Tape.
 - iv. Connect all service line wires to main line wires using Burndy Copper Split Bolt KS-15. Thoroughly wrap the connector and bare wires with 3M Temflex 2155 Rubber Splicing Tape, cover entire connection with Scotch Super 88 Heavy Duty Grade Electrical Tape.
 - v. Contractor Shall Test the continuity of all wire using a third-party tester.
 - 1- Contractor shall contact Del-Co's Inspection department a minimum of 24 hours prior to testing.
 - 2- Tester shall send a signed report to Del-Co Water Inspection Department affirming all wire has continuity.
 - 3- Contractor shall repair all deficiencies.
4. Water Service Construction (between main line and meter pit):
- a. All water services shall be constructed and installed per AWWA C800.
 - b. For meters 1-inch and smaller, use 1-inch Class 200 SDR 7 iron pipe size (IPS) polyethylene pipe.
 - c. Connections to PVC pipe shall be made with approved tapping saddle and corporation

stop per Del-Co Subdivision Construction Standards Manual.
d. Connections to DIP shall be by direct tap or saddle and approved corporation stop per Del-Co Subdivision Construction Standards Manual.

- e. Provide a curb stop with 1-inch female iron pipe threads on the customer side at the end of service lines. Locate at ROW, but a minimum of five feet from edge of sidewalk unless otherwise approved or directed by Del-Co Water.
 - f. All service line valves 1 1/2-inch and larger shall be mechanical joint gate valves, restrained with Duct-Lugs and galvanized all thread rod, or anchor tees where applicable.
 - g. Minimum depth of cover shall be 48 inches.
 - h. Place a 5-foot steel fence post or 4"x4" wood post at the ends of all service lines, paint blue.
 - i. Contractor shall be responsible for providing special backfill material for all lines, including those installed by Del-Co Water Company, where required by the County or City Engineer.
5. Fire Hydrants:
- a. Fire hydrants shall conform to AWWA C502 for dry barrel hydrants.
 - b. Main valve: 5.25-inch compression.
 - c. Nozzles:
 - i. Threading: Conform to NFPA National Standard fire hose threads.
 - ii. 4.5-inch steamer, except in the following locations provide an integral storz connection; Harrington HHS50 or equal; Berkshire, Berlin, Concord, Genoa, Kingston, Liberty, Orange, Porter, Trenton, and Scioto Townships; City of Powell; and the City of Sunbury and Galena.
 - iii. Two 2.5-inch hose connections.
 - iv. In Franklin County/City of Columbus, a 4" steamer is required along with the two 2.5-inch hose connections. Integral storz connections are prohibited.
 - d. Inlet Connection: 6-inch mechanical joint.
 - e. Operating Nut: 1.5-inch pentagon, turn counterclockwise to open. Excepting from this will be any projects within Franklin County or City of Worthington Fire Departments where a 1-inch square, turn counterclockwise nut is required.
 - f. Placement of Hydrant: 2 feet from the back of curb or 8 feet from the edge of pavement on non-curbed streets
 - g. Extensions and parts: Shall be manufactured by the original equipment manufacturer.
 - h. Approved Manufacturers: Mueller Super Centurion 200, American Flow Control B-84-B, Glow Medallion, M&H Model 129M, AVK Nostalgic 2780, Kennedy Guardian K81D, or EJ WaterMaster 5CD250
 - i. Painting: Repaint all hydrants after installation per Del-Co Subdivision Construction Standards Manual Section 02731, Part 2.06.
 - ii. Liberty Township, Powell, and Village of Sunbury: Safety Red.
 - iii. Other Townships & Municipalities: Safety Yellow
 Fire hydrants located on private water lines shall be painted Industrial Green.
6. Flushing Hydrants
- a. All dead ends line shall have either an automatic flushing device or a 2" end of line fire hydrant in accordance with Section 02731 Flushing Hydrants.
7. Disinfect all water lines in accordance with AWWA C651 and Del-Co Water specifications.
8. All pipe installation and pressure testing shall be in accordance with AWWA C600 for ductile iron pipe and C605 for plastic pipe, and Del-Co Specifications.
- a. Contractor shall provide all equipment necessary to perform the pressure test.
 - b. Schedule test between 8:00 AM and 2:00 PM weekdays. Notify Del-Co Water 24 hours prior to testing.
9. Obtain written approval of material and manufacturers list from Del-Co Water prior to beginning construction.
10. Provide casing pipe for all road crossings unless otherwise approved by Del-Co. Casing pipe shall be steel pipe with 0.375-inch wall thickness, or PVC C900 for waterlines 12-inch Dia. or less. Casings for waterlines larger than 12-inch Dia. may be AWWA C905.
11. Easements shall be provided to Del-Co Water before permission will be given to make new service line connections.
12. Connections to existing water lines will be made by Del-Co Water at the contractor's expense or performed by contractors who are approved for making connections. Notify all property owners, and Del-Co Water, in writing 48 hours before starting construction.
13. Contractor shall excavate to determine the location and depth of existing water lines wherever cover over the water lines is being reduced. If the final depth of the waterline will be below Del-Co Water standards, Contractor shall submit a relocation plan for approval by Del-Co Water, and relocate the water line at their expense.
14. Contractor shall be responsible for locating and protecting the water line prior to final acceptance by Del-Co Water and repairing all damages from construction activity.
15. Do not fill new water lines until approved by Del-Co Water.
16. Booster pumps are not allowed on individual services.
17. All water mains, including those not designed to provide fire protection, shall be sized following an analysis based on flow demands, and pressure requirements. The system shall be designed to maintain a minimum pressure of 20 psi at ground level at all points in the distribution system under all designed flow conditions. Normal working pressure in the distribution system shall not be less than 35 psi.
18. Del-Co Water requires all waterlines intended for ownership and maintenance by Del-Co Water, regardless of pipe size, to secure EPA approval prior to the start of construction.

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BID SET
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
February 2026

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
UTILITY PLAN - NOTES & DETAILS

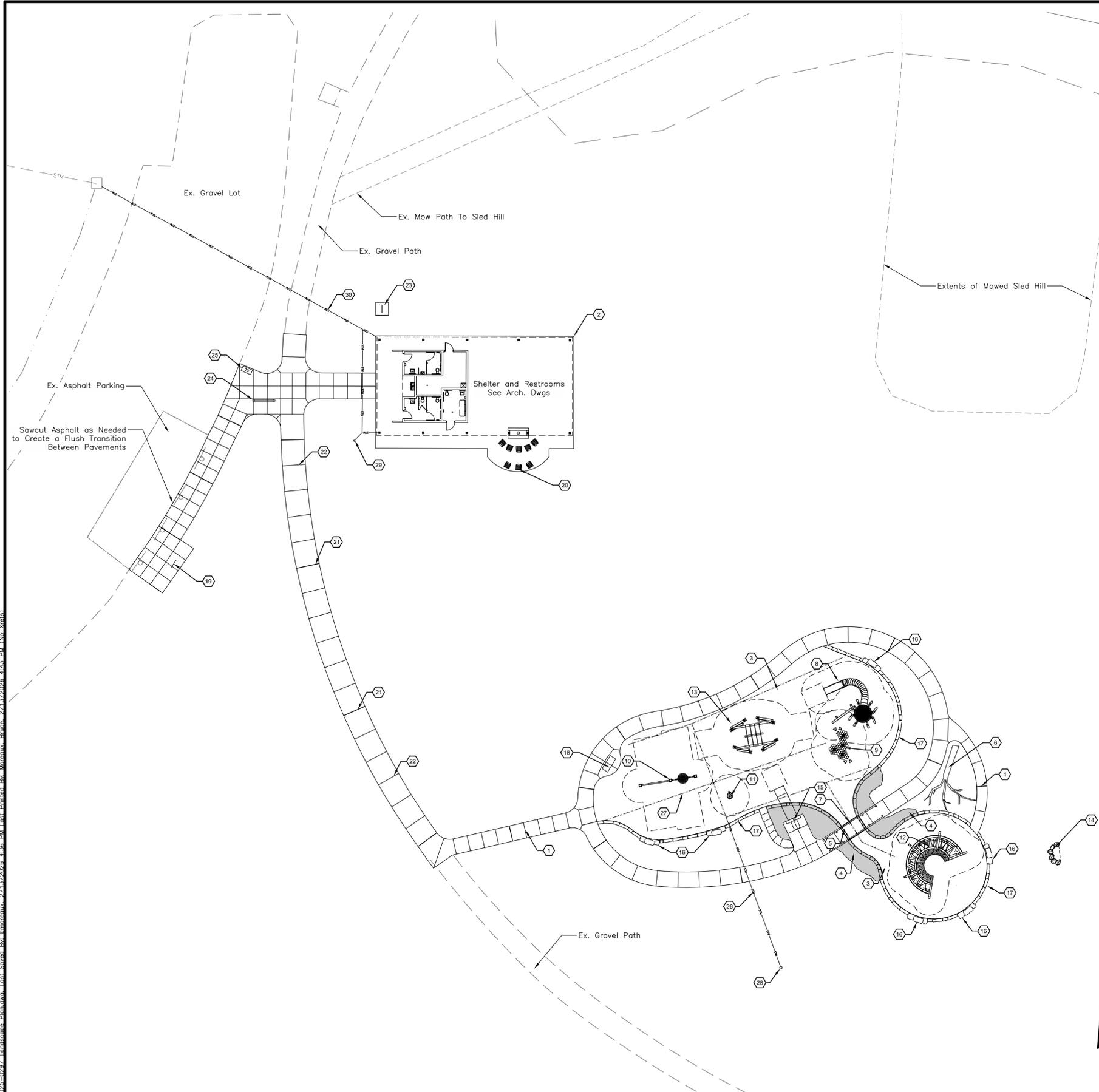


DATE
February 2026

SCALE
NONE

JOB NO.
2025-0297

SHEET
9/21



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REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
1	Concrete Walk, See Detail D Sheet 17
2	Shelter Concrete Slab, See Architectural Drawings
3	Play Surface Base Bid - Engineered Wood Fiber; Artificial Turf Alternate 1, Bonded Rubber Mulch Alternate 2. See Sheets 17 and A2 for Details
4	Stone Slab Wall, See Detail A Sheet 21
5	Pedestrian "Bridge" Walkway, See Detail C Sheet 20
6	Fallen Tree, By Owner
7	Prefabricated Box Culvert, See Detail A Sheet 20
8	Earthscape - Log Tower 3
9	Earthscape - Moku Yama 4.1
10	Earthscape - Basket and Belt Swings
11	Earthscape - Leaf Wobble Board
12	Earthscape - Ribbon Coliseum
13	Earthscape - Giant Rope Swing
14	Stone Nook, See Sheet 18
15	Playworld - Hillside Slide with Accessible Transfer Station, See Detail B Sheet 20
16	Stone Slab Benches, See Detail G Sheet 18
17	Stone Edge, See Detail A and C Sheet 16
18	Dumor Bench 11; 11-60PL 6' Bench, Redwood Plastic Color, Bronze Frame Color
19	Existing Bike Rack See Detail H Sheet 19
20	Site Furnishings, By Owner
21	Concrete Expansion Joint, See Detail C Sheet 18
22	Concrete Control Joint, See Detail C Sheet 18
23	Electrical Transformer
24	Signage Kiosk, Relocated
25	Trash Can, Relocated
26	4" Round Solid Drain Pipe
27	Flat Underdrain Pipe, See Detail G Sheet 17
28	4" Mitred Drain Outlet with Green HDPE Grate, See Detail I Sheet 17
29	Drain Clean Out
30	Roof Drain

PLAYGROUND NOTES

PLAY EQUIPMENT
 Play equipment designated as "Earthscape" is manufactured by Earthscape, 7215 Wellington Road 86, Wallenstein ON N0B 2S0, Canada (earthscapeplay.com) and shall be considered the basis-of-design.

Play equipment designated as PlayWorld is manufactured by Playworld, 1000 Buffalo Road, Lewisburg, PA 17837-9795, USA (playworld.com) and shall be considered the basis-of-design.

PLAYGROUND SAFETY SURFACING
 Base Bid playground safety surfacing shall be Engineered Wood Fiber (EWF). EWF shall conform to the current edition of ASTM F2075; containing no bark, leaves, twigs, or foreign or toxic materials. Uncompressed material depth shall be no less than indicated on Drawings.

Alternate 1 playground safety surfacing shall be Bonded Rubber Mulch. Bonded Rubber Mulch shall be a site-mixed and applied, single-layer blend of 100% wire free, clean, post-consumer recycled shredded rubber and binder, forming a wearing and cushioning product. Binder shall be weather-resistant, UV-stabilized, flexible, nonhardening, 100 percent solids polyurethane. Bonded Rubber Mulch surfacing shall be composed of a mix of three colors of rubber mulch ranging from tan to brown. Black rubber mulch shall not be used. Bonded Rubber Mulch surfacing shall maintain required impact attenuation and be guaranteed against defects in workmanship and material for a period of 5 years from the date of project acceptance.

Alternate 2 playground safety surfacing shall be Artificial Turf. See Section 321816 - Artificial Turf Playground Surfacing in the Project Manual.

SUBMITTALS

- Contractor shall submit the following:
- Laboratory Test Reports: Materials certificates certifying each material item complies with, or exceeds, specified requirements. Certificates of compliance must be signed by materials producer and contractor.
 - Product Verification: Delivery slip for each material shipment.
 - Warranties: Product and maintenance warranties must be provided to Owner prior to installation.
 - Inspection Reports: Field test inspection reports and samples for material including Impact Attenuation, Permeability, Flammability, and Electrostatic Discharge.
 - Installer Qualifications: A list of ten (10) playground surfacing projects completed with a similar product within the last five (5) years. List shall include names of project representatives and respective telephone numbers. This list shall also contain projects which require the same level of difficulty, e.g., number of poles and cutouts, transitions, and other special requirements.
 - Manufacturer's Certification: A signed statement by an authorized official of the surfacing manufacturer certifying that the surfacing system meets the requirements of ASTM F1292 for a head-first fall from the highest accessible portion of the installed playground equipment.
 - Colors: Colors of playground equipment, surfacing and furnishings shall be selected by the Owner from manufacturer's full range of available colors. Submit samples for Owner selection.

QUALITY ASSURANCE

All playground equipment, playground surfacing, edging, aggregate base and underdrainage shall be furnished and installed by a single playground installer for warranty coverage and maintenance service.

SUBSTITUTIONS

Refer to Instructions to Bidders and Section 012500 - Substitution Procedures in the Project Manual.



MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 LANDSCAPE - MATERIALS PLAN



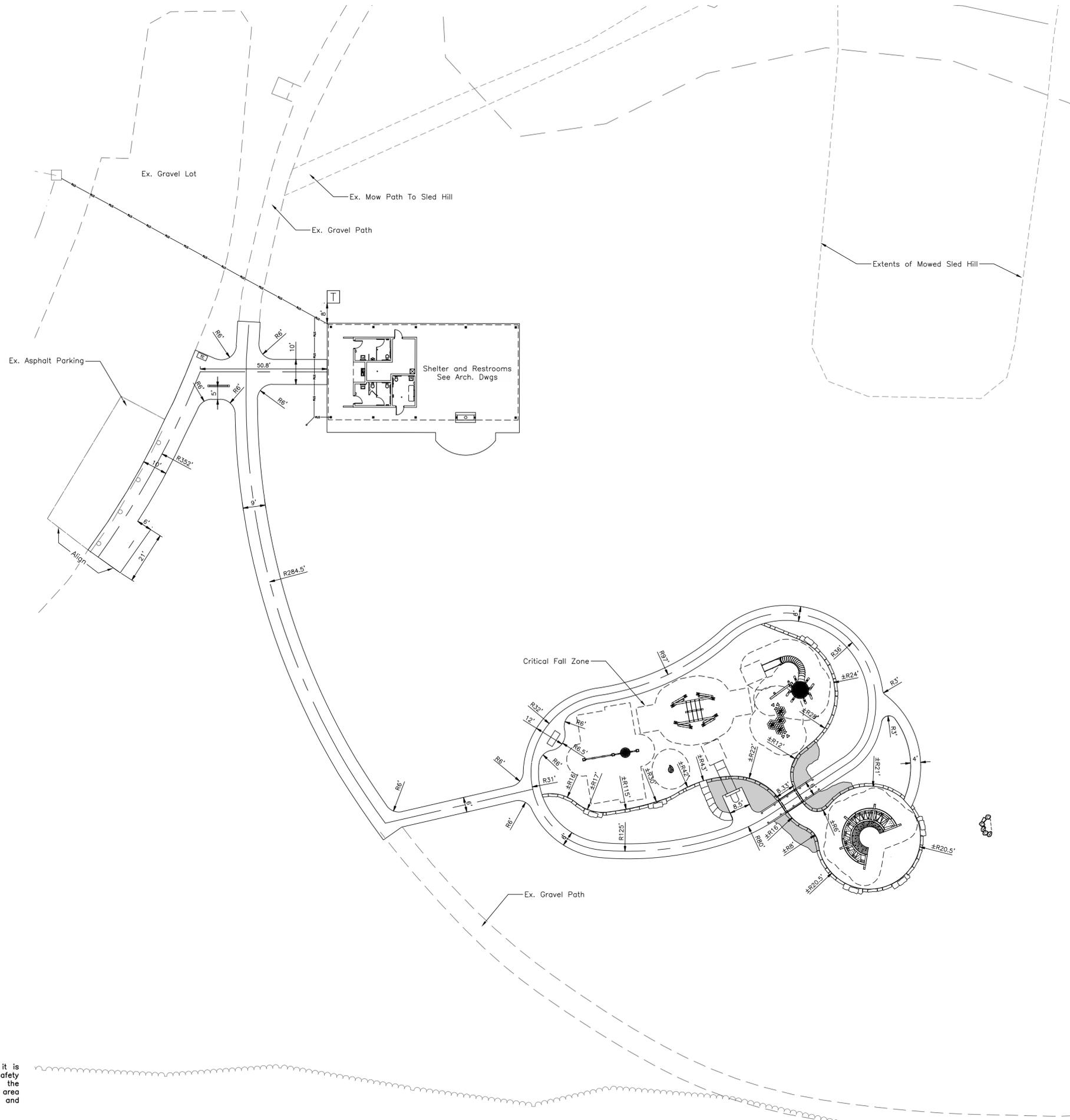
DATE	February 2026
SCALE	1" = 20'
JOB NO.	2025-0297
SHEET	10/21

BID SET

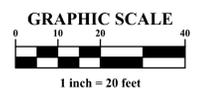
NOT TO BE USED FOR
CONSTRUCTION

PLAN SET DATE
 February 2026

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LAYOUT NOTE
 Plan dimensions and computer files are provided for contractor's use. However, it is the contractor's responsibility to install sufficient area and depth of resilient safety surfacing within the fall zone of the playground equipment in accordance with the current edition of ASTM F1487. Additionally, the contractor shall install sufficient area and depth of resilient safety surfacing within the fall zone of the stone walls and bridge feature in accordance with the current edition of ASTM F1487.



BID SET
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 CONSTRUCTION

PLAN SET DATE
 February 2026

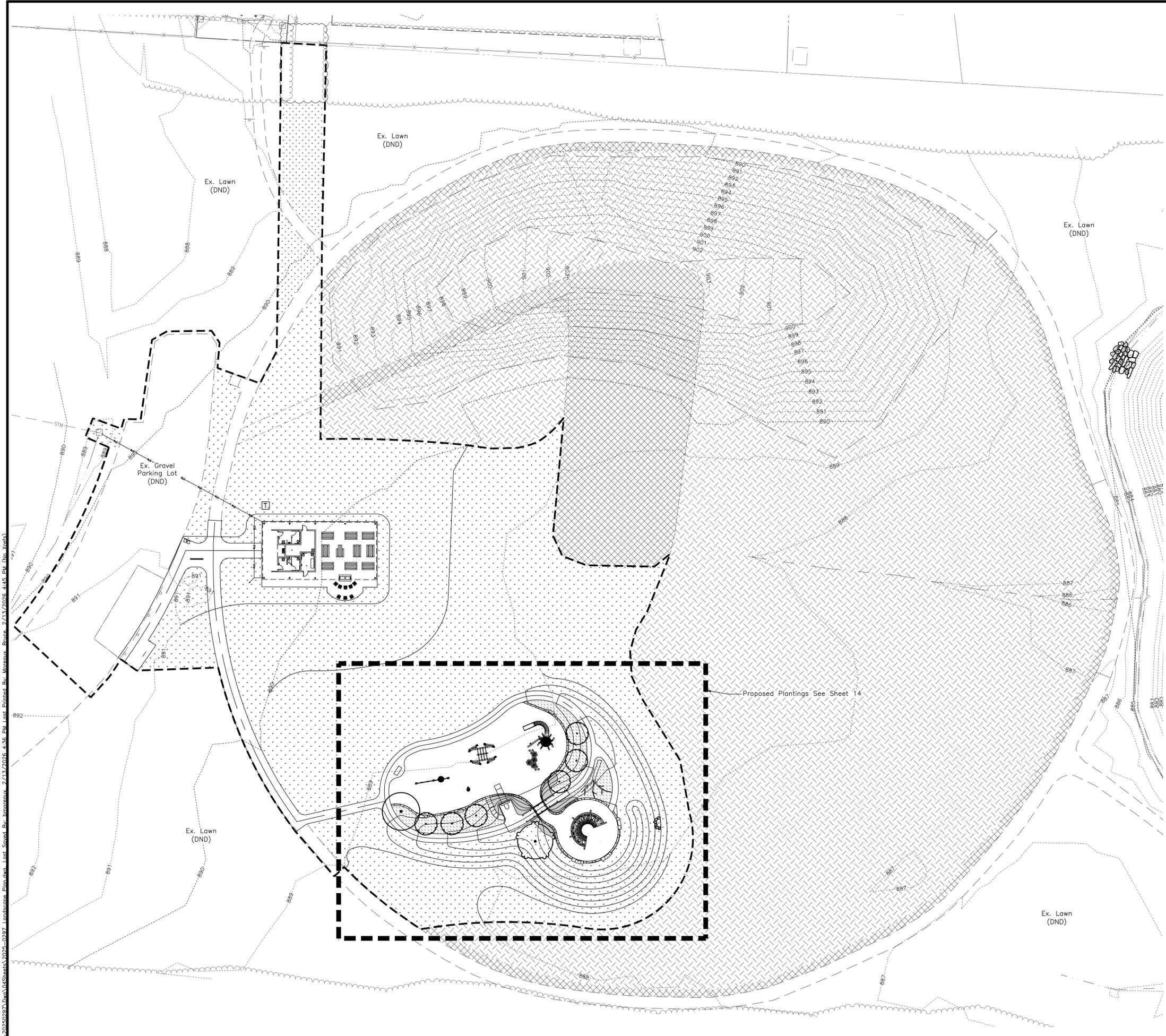
MARK	DATE	DESCRIPTION	REVISIONS



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 LANDSCAPE - SHELTER & PLAYGROUND LAYOUT PLAN

EMHT
 Evans, Mochel, Hamblen & Tilton, Inc.
 Engineers • Surveyors • Planners • Architects
 5000 W. Main Street, Suite 100
 Columbus, Ohio 43228
 Phone: 614.775.6000
 emht.com

DATE	February 2026
SCALE	1" = 20'
JOB NO.	2025-0297
SHEET	11/21



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
	Proposed Mowed Lawn (Seeding and Mulching)
	Playground Landscaped Mulch Bed
	Existing Mowed Lawn (DND)
	Existing Meadow (DND)

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REVISIONS

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 LANDSCAPE - SEEDING PLAN



DATE
February 2026

SCALE
1" = 30'

JOB NO.
2025-0297

SHEET
13/21



BID SET
 NOT TO BE USED FOR
 CONSTRUCTION

PLAN SET DATE
 February 2026

PLANT SCHEDULE PLAYGROUND PLANTING

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION
TREES						
	CA2	6	Carpinus caroliniana	American Hornbeam	2" Cal.	B&B
	CO	1	Celtis occidentalis	Common Hackberry	3" Cal.	B&B
	TA	1	Tilia americana	American Linden	3" Cal.	B&B
SHRUBS						
	CA	52	Ceanothus americanus	New Jersey Tea	24" Ht.	Cont.
	LR	15	Diervilla 'Kodiak Orange'	Kodiak Orange Diervilla	24" Ht.	Cont.
GRASSES						
	BB	77	Bouteloua gracilis 'Blonde Ambition'	Blonde Ambition Blue Grama	#1	Cont.
	PN	81	Panicum virgatum 'Northwind'	Northwind Switch Grass	#2	Cont.
	SL	80	Schizachyrium scoparium	Little Bluestem	#1	Cont.
PERENNIALS						
	BA	63	Baptisia australis	Blue Wild Indigo	#2	Cont.
	GM	50	Geranium maculatum	Spotted Geranium	#1	Cont.
	RH	21	Rudbeckia hirta	Black-eyed Susan	#1	Cont.



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BID SET
 NOT TO BE USED FOR
 CONSTRUCTION

PLAN SET DATE
 February 2026

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 LANDSCAPE - PLANTING PLAN



DATE
 February 2026

SCALE
 1" = 10'

JOB NO.
 2025-0297

SHEET
 14/21

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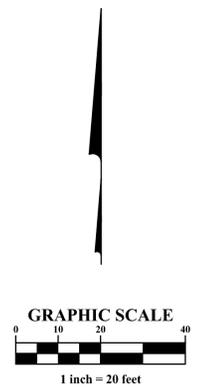


NOTES:

- It may become necessary to remove portions of the erosion & sediment control features during construction to facilitate the grading operations in certain areas. However, the erosion & sediment control features shall be in place in the evening or during any inclement weather.

PROPOSED LEGEND:

	Limits of Construction
	Proposed Inlet Protection/Sediment Filter
	Proposed Silt Fence



BID SET
 NOT TO BE USED FOR CONSTRUCTION
 PLAN SET DATE
 February 2026

MARK	DATE	DESCRIPTION	REVISIONS



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 EROSION & SEDIMENT CONTROL PLAN



DATE	February 2026
SCALE	1" = 20'
JOB NO.	2025-0297
SHEET	15/21

EROSION AND SEDIMENT CONTROL NARRATIVE

ALL EROSION & SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DIRECTION OF OWNER AND/OR OHIO EPA.

PLAN DESIGNER: EMH&T, Inc.
5500 New Albany Road
Columbus, Ohio 43054
Tel: (614) 775-4500
Fax: (614) 775-4800

OWNER: Preservation Parks of Delaware County
2656 Hogback Road
Sunbury, OH 43074

PROJECT DESCRIPTION: The project consists of installing a new building, play ground area and utility services.

PROJECT EARTH DISTURBED AREA: 2.75 Ac.

EXISTING SITE CONDITIONS: Existing park area.

RECEIVING STREAM: The site is tributary to existing storm sewers and unnamed tributaries to the Olentangy River.

ADJACENT AREAS: Existing residential areas and undeveloped park area.

CRITICAL AREAS: Conveyance ditch crossings.

EROSION AND SEDIMENT CONTROL MEASURES: Erosion and sediment will be controlled by the use of inlet protection at storm sewer inlets and silt fence around the perimeter of the work areas.

PERMANENT STABILIZATION: All disturbed areas shall be temporary/permanent seeded.

MAINTENANCE: All erosion control devices are to be inspected by the contractor daily and after rainfalls. Any damaged facilities are to be replaced/repared immediately as necessary.

CONSTRUCTION SEQUENCE: Existing storm sewer inlets that will remain in service shall be protected prior to construction. Inlet protection and silt fence shall be installed prior to any earth disturbance. Only after areas have been permanently stabilized may the erosion & sediment control devices be removed and storm sewer pipe and inlets cleaned of all sediment incurred during construction.

SCHEDULE: The Contractor shall provide a schedule of operations to the City. Erosion & sediment control features shall be placed and maintained in accordance with this schedule.

SITE CONTACT: Kerry Gerich, PLA, ASLA
Landscape Architect/Project Manager
Preservation Parks of Delaware County
2656 Hogback Road
Sunbury, OH 43074
Phone: (443) 206-3688
kgerich@preservationparks.com

GENERAL NOTES

CONTRACTOR RESPONSIBILITY: Details have been provided on the plans in an effort to help the Contractor provide erosion & sediment control. The details shown on the plan shall be considered a minimum. Additional or alternate details may be found in the City of Delaware's standard drawings or in the ODNR Manual "Rainwater and Land Development." The Contractor shall be solely responsible for providing necessary and adequate measures for proper control of erosion and sediment runoff from the site along with proper maintenance and inspection in compliance with the NPDES General Permit for Stormwater Discharges Associated with Construction Activity.

Contractor's Responsibilities:

Prior to Construction Operations in a particular area, all erosion & sediment control features shall be in place. Field adjustments with respect to locations and dimensions may be made by the owner.

The Contractor shall replace inlet protection for erosion & sediment control immediately after construction in the immediate area of the catch basins or inlets has occurred.

The Contractor shall be responsible to have the current Erosion & Sediment Control Plan immediately available or posted on site.

The Contractor shall be responsible to ensure that off-site tracking of sediments by vehicles and equipment is minimized. All such off-site sediment shall be cleaned up daily.

The Contractor shall be responsible to ensure that no solid or liquid waste is discharged into stormwater runoff. Untreated sediment-laden runoff shall not flow off of site without being directed through a control practice. Concrete trucks will not be allowed to wash out or discharge surplus concrete into or alongside rivers, streams, or creeks or into natural or man-made channels or swales leading thereto. Concrete wash water and surplus concrete shall be confined to approved areas; after solidifying, these waste materials shall be removed from the site.

The Contractor shall remove all temporary erosion and sediment controls upon permanent stabilization of the site.

It may become necessary to remove portions of the erosion & sediment control features during construction to facilitate the utility construction in certain areas. However, the erosion & sediment control features shall be in place in the evening or during any inclement weather.

All Temporary and Permanent seeding shall be completed using the requirements indicated under item 207 or below.

Permanent Seed Mixture:
Seeding rate 6 to 8 lb/1000 sq. ft.
30% Kentucky bluegrass (*Poa pratensis*), a minimum of two "Improved" cultivars.
30% Creeping Red Fescue (*Festuca rubra*), "Improved" cultivar.
20% Perennial Ryegrass, turf type, "Improved" cultivar.
20% Annual Ryegrass (*Lolium multiflorum*)

MAINTENANCE: It is the Contractor's responsibility to maintain the sediment control features used on this project. The site shall be inspected periodically and within 24 hours of a significant rainfall. Records of these inspections shall be kept and made available to jurisdictional agencies if requested. Any sediment or debris which has reduced the efficiency of a structure shall be removed immediately. Should a structure or feature become damaged, the Contractor shall repair or replace at no additional cost to the owner.

Note: Not all details indicated on the plan and profile sheets or indicated in this plan will be pertinent to this project. See the water main and sanitary sewer plan and profile for features used and locations.

TEMPORARY AND PERMANENT SEEDING:

All areas not designated to be seeded shall remain under natural ground cover. Those areas disturbed outside the seeding limits shall be seeded and mulched at the Contractor's expense.

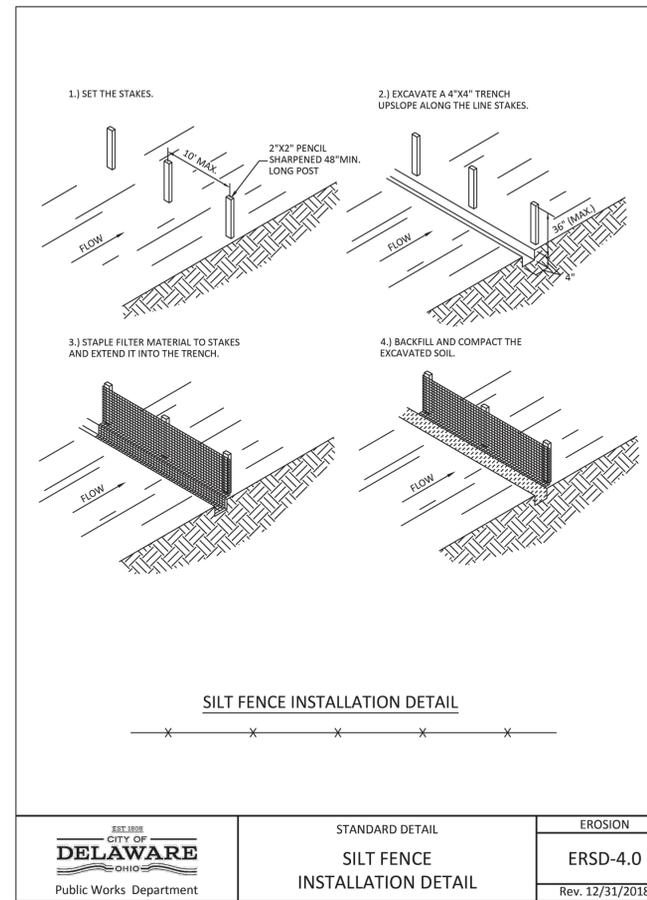
"Temporary Seeding:" Disturbed areas that are to remain idle for more than 14 days shall be temporarily seeded and mulched within seven (7) days of the most recent disturbance of the area. Disturbed areas within 50 feet of a stream and not at final grade shall be stabilized within two (2) days of the most recent disturbance. Disturbed areas that are to remain idle over the winter shall be stabilized prior to the onset of winter weather. Temporary seeding shall consist of fertilizing, watering, and mulching at the rates indicated under the 659 items. Seeding shall consist of a ryegrass mix, applied between March 1 and November 1. Straw mulch only will be used to temporarily stabilize areas between November and March.

"Permanent Seeding:" Areas that are at final grade shall be permanently seeded within seven (7) days of reaching final grade within that area. Areas at final grade within 50' of a stream shall be seeded within two (2) days of reaching final grade. Areas that are to lie dormant for one (1) year or more shall be seeded within seven (7) days of the most recent disturbance.

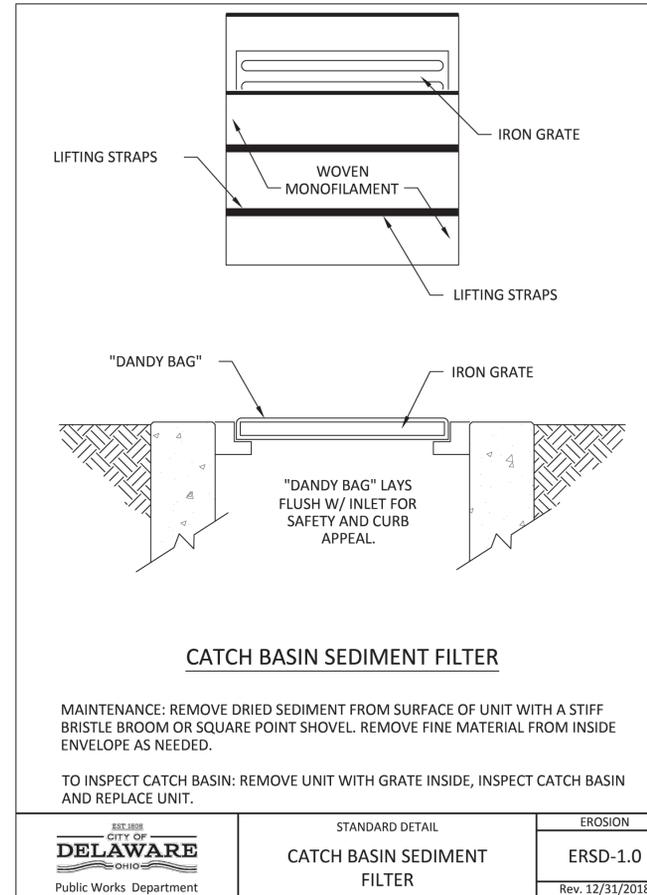
SEDIMENT AND EROSION CONTROL NOTES :

In order to control sediment pollution of water resources the owner or person responsible for the development area shall use conservation planning and practices to maintain the level of conservation established by the following standards:

- All structural erosion and sediment control measures shall be placed prior to or as the first step in grading for all sites.
- Sediment control practices shall be functional throughout earth-disturbing activities. perimeter controls, and other practices intended to trap sediment shall be implemented as the first step of grading and within seven days from the start of grubbing. They shall continue to function until the upslope development area is restabilized.
- All storm sewer, sanitary sewer, water main and service trenches shall be mulched and seeded within 14 days after backfill, if installation is through stabilized areas.
- All temporary diversions, sediment basin embankments, and earth stockpile shall be seeded and mulched for temporary vegetative cover within 7 days after grading. Straw, hay, mulch, or equivalent is required.
- All storm sewer inlets shall be protected by sediment traps (inlet protection) which will be maintained and modified as required as construction progresses. Sediment traps are not to be removed after seeding and mulching is established.
- Any disturbed area not stabilized with seeding, sodding, paving, or built on by November 1st or areas disturbed after that date, shall be mulched immediately with hay or straw at the rate of 2 tons per acre and over-seeded by April 15th.
- Denuded areas shall have soil stabilization applied within seven days if they are to remain dormant for more than fourteen (14) days. Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site, and shall also be applied within seven days to denuded areas which may not be at final grade, but will remain dormant (undisturbed) for longer than forty-five days.
- Sheet flow runoff from denuded areas shall be filtered.
- All storm sewer inlets which accept water runoff from the development area shall be protected so that sediment-laden water will not enter the storm sewer system without first being filtered or otherwise treated to remove sediment.
- The inlet structure shall be inspected after each rain and repairs as needed.
- Temporary Sediment Trap: Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to one-half the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- Diversion: Bare and vegetated diversion channels should be inspected regularly to check for points of scour or bank failure; rubbish or channel obstructions; rodent holes, breaching or settling of the ridge; excessive wear from pedestrian or construction traffic. Repair damage and remove deposits or sediment from the diversion channel and vegetative filter strip. reseed and fertilizing should be done as needed.
- Measures shall be taken to prevent soil transport onto surfaces where runoff is not checked by sediment controls, or onto public roads.
- Cut and fill slopes shall be constructed in a manner which will minimize erosion. Consideration shall be given to the length and steepness of the slope, soil type, upslope drainage area, groundwater conditions, and slope stabilization.
- Permanent vegetation shall not be considered established until ground cover is achieved which, in the opinion of the city, provides adequate cover and is mature enough to control soil erosion satisfactorily and to survive adverse weather conditions.
- All temporary erosion and sediment control practices shall be disposed of within thirty days after final site stabilization is achieved or after the temporary practices are no longer needed, unless otherwise authorized by the city. Trapped sediment shall be permanently stabilized to prevent further erosion.
- All temporary and permanent erosion and sediment control practices shall be designed and constructed to minimize maintenance requirements, they shall be maintained and repaired as needed to assure continued performance of their intended function.
- All erosion control measures will be checked by the owner's representative weekly and within 24 hours after each rainfall to assure that the measures are functioning adequately. Sediment that is collected will be distributed on the protected portion of the site and stabilized. All stockpiles of earth and topsoil will be protected with temporary seeding or other means to prevent erosion.
- Construction Road Stabilization/Construction Entrances: Both temporary and permanent roads and parking areas may require periodic top dressing with new grasses. Seeded areas adjacent to the roads and parking areas should be checked periodically to ensure that a vigorous stand of vegetation is maintained. Roadside ditches and other drainage structures should be checked regularly to ensure that they do not become clogged with silt or other debris.
- Silt Fence: Contractor shall place silt fence as located in this plan set.
- The height of a silt fence shall not exceed 36-inches (higher fences may impound volumes of water sufficient to cause failure to the structure).
- The filter fabric shall be purchased in a continuous roll and cut to the length of the barrier to avoid the use of when joints are necessary filter cloth shall be spliced together only at a support post with a minimum 6-inch overlap and securely sealed.
- Posts shall be spaced a maximum of 10-feet apart at the barrier location and driven securely into the ground (minimum of 12-inches). Extra strength fabric shall be used.
- A trench shall be excavated approximately 4-inches wide and 4 inches deep along the line of posts and upslope from the barrier, the fabric shall be stapled or wired to the fence and 8 inches of the fabric shall be extended into the trench, the fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
- The trench shall be backfilled and soil compacted over the filter fabric.
- It may become necessary to remove portions of the silt fence during construction to facilitate the grading operations in certain areas. However, the sediment fence shall be in place in the evening or during any inclement weather.
- Silt fences and filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary the fabric shall be replaced promptly.
- Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
- Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade prepared and seeded.
- Silt fences shall be removed when they have served their useful purpose but not before the upslope area has been permanently stabilized.
- At the completion of construction, all temporary sediment controls shall be removed and all denuded areas shall be stabilized.
- Additional erosion and sedimentation control management practices may be required due to unforeseen conditions, these additional items shall be installed as directed by the Owner.



 Public Works Department	STANDARD DETAIL	EROSION
	SILT FENCE INSTALLATION DETAIL	
	ERSD-4.0	
		Rev. 12/31/2018



 Public Works Department	STANDARD DETAIL	EROSION
	CATCH BASIN SEDIMENT FILTER	
	ERSD-1.0	
		Rev. 12/31/2018

MAINTENANCE: REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.

TO INSPECT CATCH BASIN: REMOVE UNIT WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE UNIT.

BID SET
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
February 2026

REVISIONS	MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
EROSION & SEDIMENT CONTROL NOTES AND DETAILS



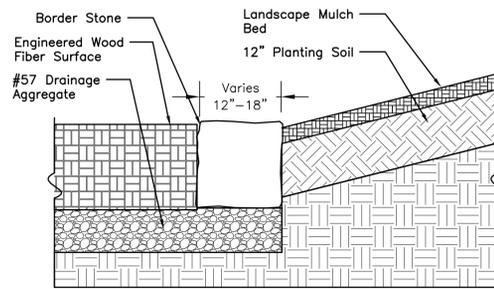
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February 2026

SCALE
AS NOTED

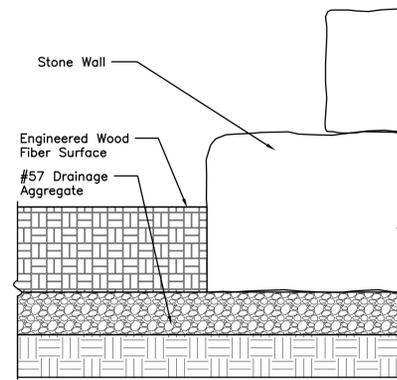
JOB NO.
2025-0297

SHEET
16/21

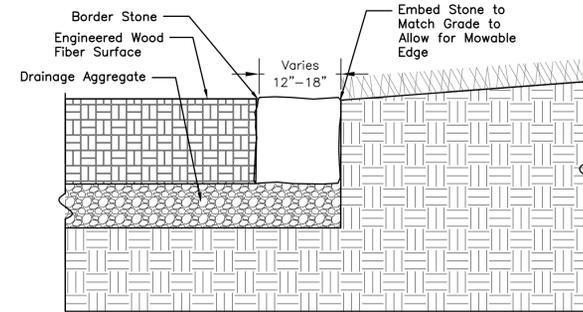
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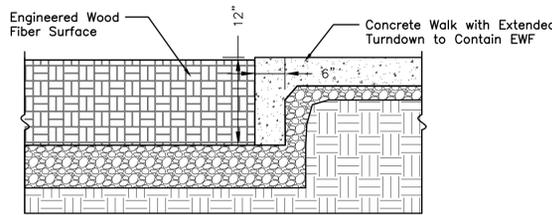
A **DETAIL**
Border Stone Edge Abutting Sloped Mulch Bed Not to Scale



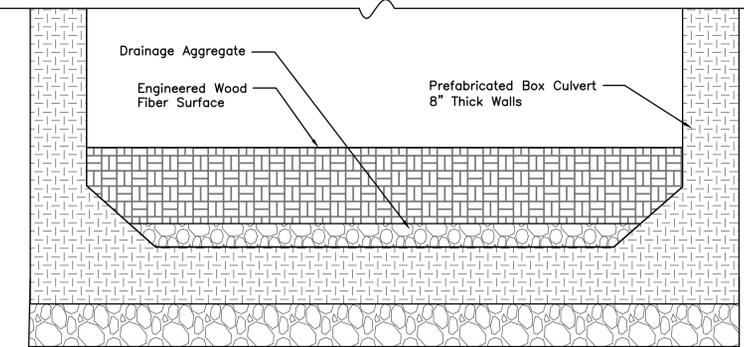
B **DETAIL**
Engineered Wood Fiber Abutting Stone Wall Not to Scale



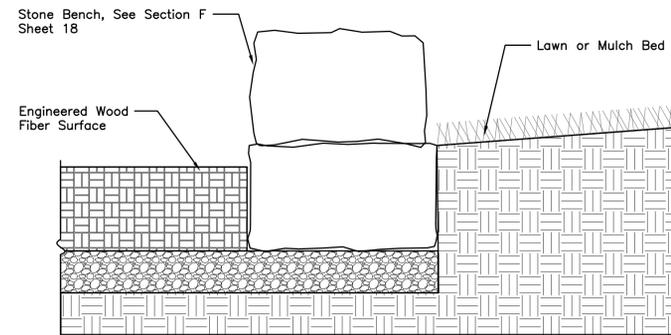
C **DETAIL**
Engineered Wood Fiber Abutting Stone Edge Not to Scale



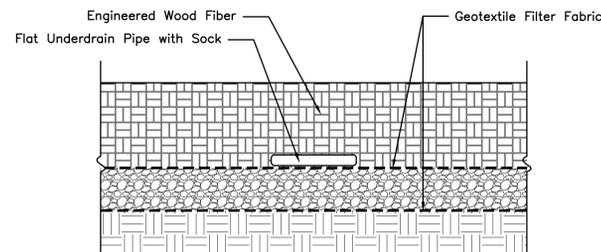
D **DETAIL**
Engineered Wood Fiber Abutting Concrete Walk Not to Scale



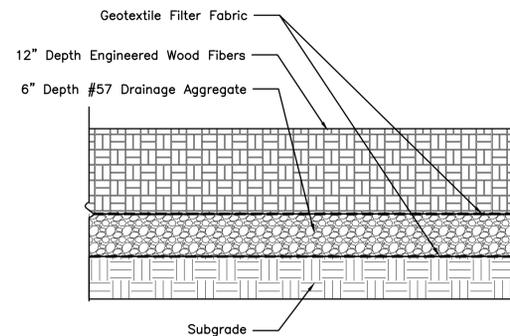
E **DETAIL**
Engineered Wood Fiber Abutting Prefabricated Box Culvert Not to Scale



F **DETAIL**
Engineered Wood Fiber Abutting Stone Edge and Seat Wall Not to Scale



G **DETAIL**
Engineered Wood Fiber Play Surface, with Underdrain Not to Scale

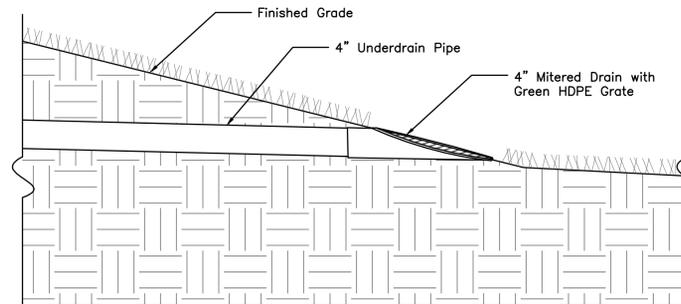


H **DETAIL**
Engineered Wood Fiber Play Surface, Typ. Not to Scale



1 **PLAN**
Key Plan Not to Scale

- DETAIL A: Border Stone Edge Abutting Sloped Mulch Bed
- DETAIL B: Engineered Wood Fiber Abutting Stone Wall
- DETAIL C: Engineered Wood Fiber Abutting Stone Edge
- DETAIL D: Engineered Wood Fiber Abutting Concrete Walk
- DETAIL E: Engineered Wood Fiber Abutting Prefabricated Box Culvert
- DETAIL F: Engineered Wood Fiber Abutting Seat Wall



I **DETAIL**
Mitered Underdrain Outlet Not to Scale

BID SET
NOT TO BE USED FOR
CONSTRUCTION

PLAN SET DATE
February 2026

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
LANDSCAPE - ENGINEERED WOOD FIBER SURFACING DETAILS



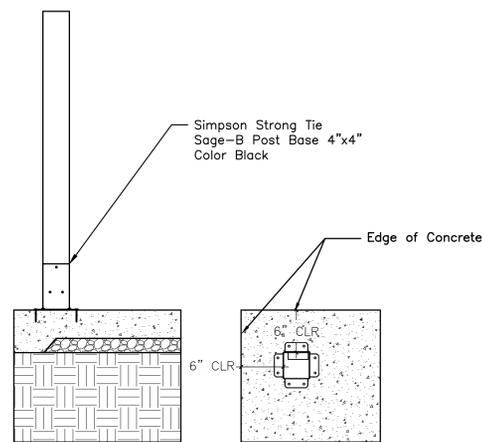
DATE
February 2026

SCALE
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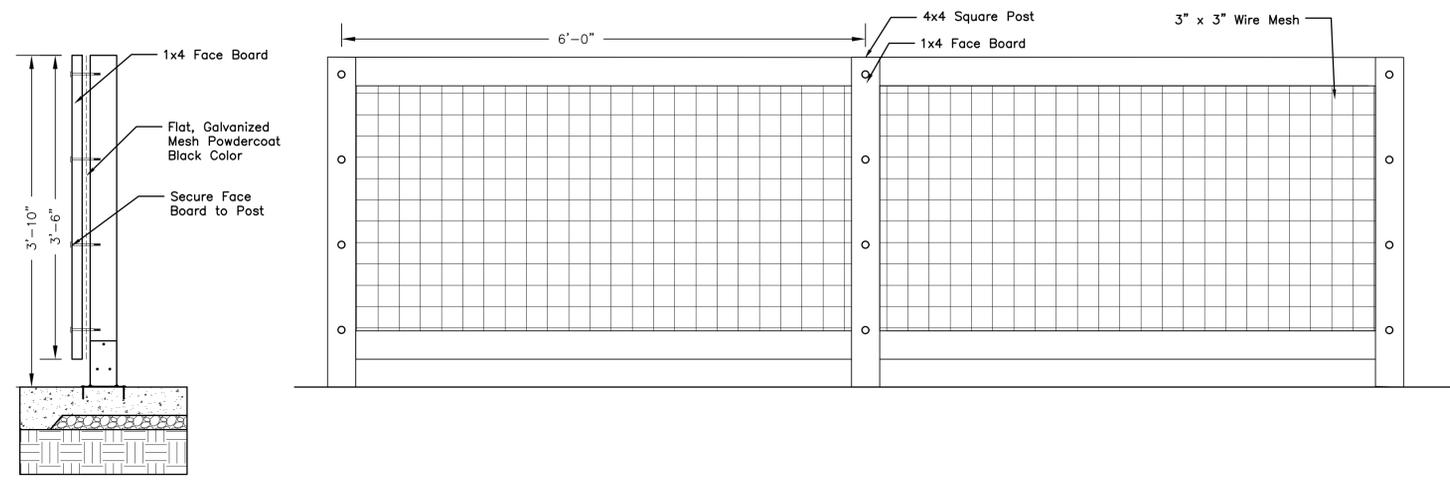
JOB NO.
2025-0297

SHEET
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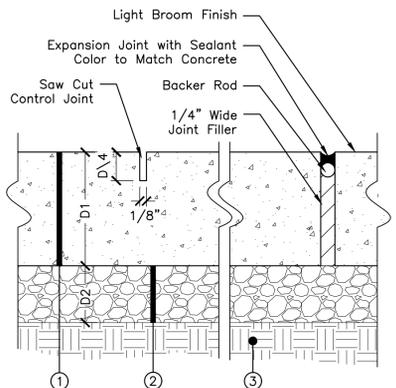
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A DETAIL
Surface Mount Bracket for Post
Not to Scale

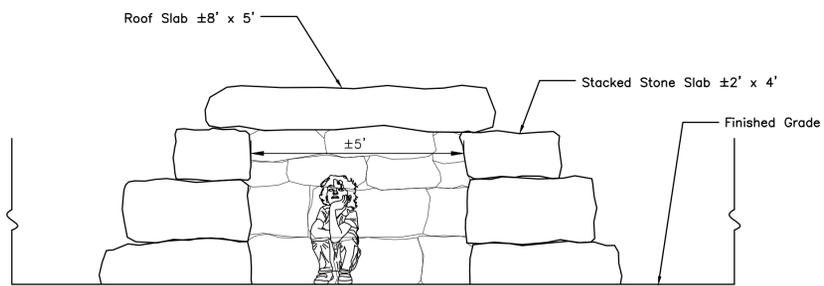


B DETAIL
Surface Mount Post and Railing
Not to Scale

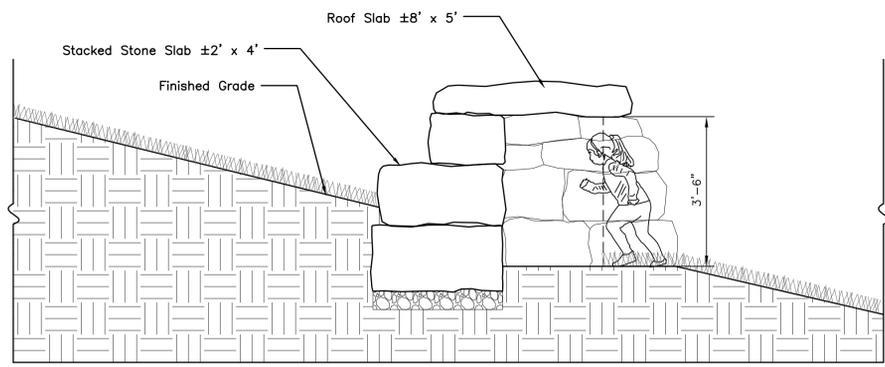


- CONCRETE**
Standard Duty D1=4" D2=4"
- ① ITEM 499, Concrete Pavement (Class QC1)
 - ② ITEM 304, Aggregate Base
 - ③ ITEM 204, Subgrade Compaction

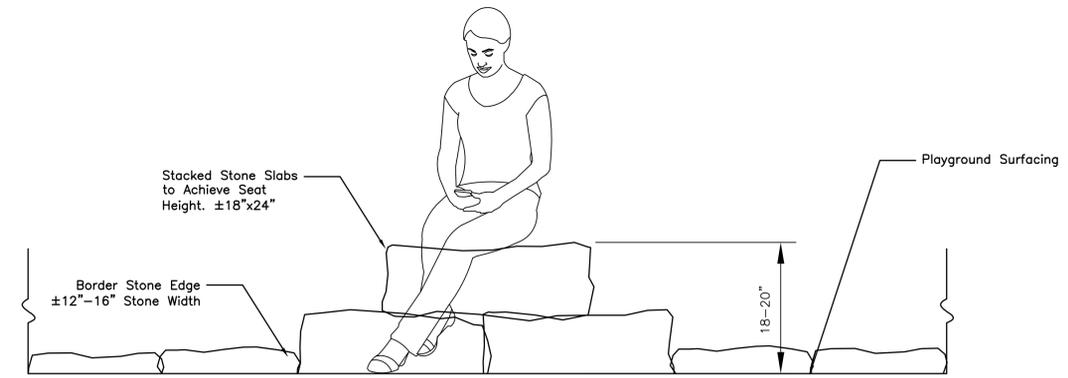
C DETAIL
Concrete Walk, Typ.
Not to Scale



D ELEVATION
Stone Nook
1" = 2'-0"



E SECTION
Stone Nook
1" = 2'-0"



F SECTION
Stone Bench
1" = 1'-0"

BID SET
NOT TO BE USED FOR
CONSTRUCTION
PLAN SET DATE
February 2026

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
LANDSCAPE - NOTES & DETAILS



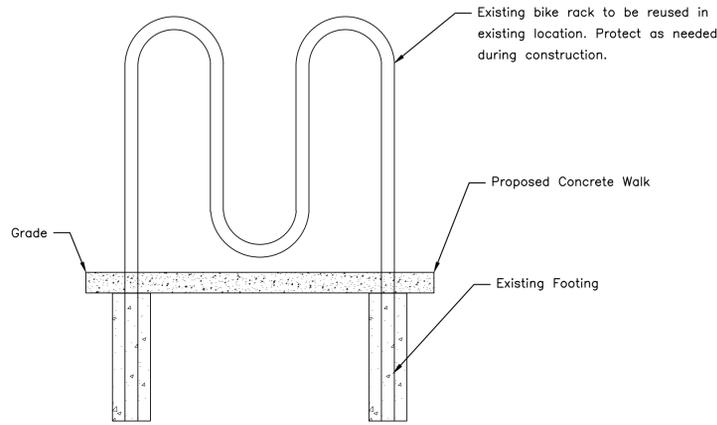
DATE
February 2026

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JOB NO.
2025-0297

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H **DETAIL**
Relocated Bike Racks

1" = 1'-0"



Delaware Buff Limestone Chunks
SiteOne Landscape Supply
6015 Taylor Road, Columbus Ohio
614-861-4668

I **DETAIL**
Wall and Slab Stone

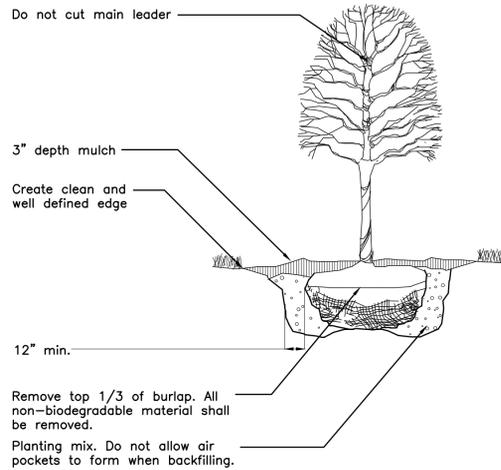
Not to Scale



Delaware Buff Limestone Slabs 5-7 Inches
SiteOne Landscape Supply
6015 Taylor Road, Columbus Ohio
614-861-4668
Contractor to break stone in field as needed

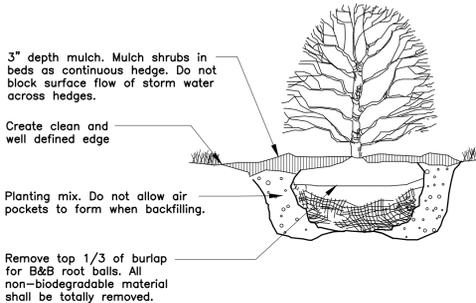
J **DETAIL**
Edge Stone

Not to Scale



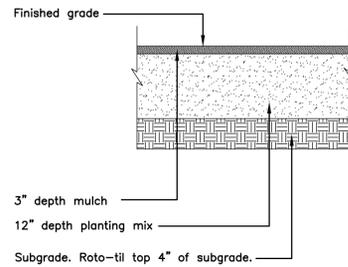
D **DETAIL**
Deciduous Tree Planting

Not to Scale



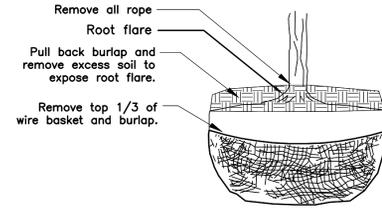
E **DETAIL**
Shrub Planting

Not to Scale



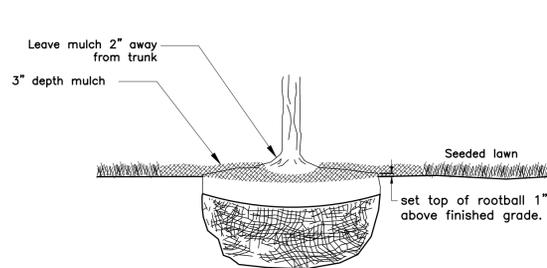
F **DETAIL**
Planting Area Establishment

Not to Scale



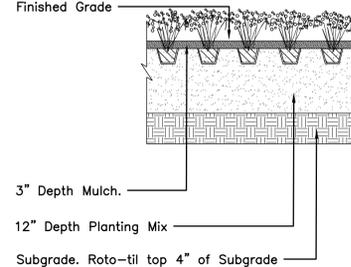
A **DETAIL**
Rootball Preparation

Not to Scale



B **DETAIL**
Rootball Setting

Not to Scale



C **DETAIL**
Perennial & Groundcover Planting

Not to Scale

GENERAL NOTES

- Prior to installation, the landscape contractor shall inspect the general site conditions and verify the subgrade, elevations, utility locations and topsoil provided by general contractor. The landscape contractor shall notify the general contractor of any unsatisfactory conditions and work shall not proceed until such conditions have been corrected and are acceptable to the landscape contractor.
- All plants shall meet or exceed standards set in the American Standard for Nursery Stock, ANSI Z60.2, current edition. All plants shall equal or exceed the measurements and sizes specified in the schedule.
- Substitutions shall only be permitted with notification and written approval from the Owner. Substituted material shall be equivalent or greater in size than the specified plant. Substituted plants shall have the same essential characteristics and growth habit of the specified plant.
- Confirm location of all utilities and subsurface drain lines prior to plant installation.
- Contractor may slightly field adjust plant locations as necessary to avoid utilities. Finished planting beds shall be graded to provide positive drainage.
- Contractor shall repair all lawn areas disturbed during construction with seed and warrant a healthy, weed free lawn prior to project acceptance.
- Mulch planting beds with shredded hardwood mulch of uniform dark brown color. It shall be free of twigs, leaves, disease, pest or other material unsightly or injurious to plants. Average applied thickness shall be 3" depth. Mulch hedges in a continuous bed.
- Planting beds shall be covered with pre-emergent herbicide applied at product specified rate unless otherwise noted.
- Bed edge shall be smooth, consistent, hand trenched 4" deep and "V" shaped unless otherwise noted. All excavated material shall be removed from the bed edge and planting bed.
- All planting bed edges to be smooth flowing arcs or straight lines as shown on plan. Plant locations and layout of beds shall be located by Contractor and approved by Landscape Architect prior to planting.
- Install all plants in accordance with planting details and specifications.
- Trees shall be placed a minimum of 3' from sidewalks and curbs.
- Unless otherwise indicated, Planting Mix shall be blended, manufactured soil consisting of three (3) parts topsoil, one (1) part compost, one (1) part sand. Topsoil shall be per ASTM D5268, pH range of 5.5 to 7, min. 4 percent organic material, free of stones and soil clumps 3/4 inch and larger. Compost shall be yard waste compost from an EPA rated Class IV compost facility or Com-til compost from City of Columbus Department of Public Utilities. Sand shall be per ASTM C33. Proprietary manufactured Planting Mix such as Kurtz Bros. Professional Blend or Kurtz SuperSoil may be used. Submit product data for review by Owner. Place Planting Mix in settled 6 inch lifts.
- Mix Mycorrhizal Fungi into Planting Mix during placement of Planting Mix. Application rate shall be according to manufacturer's written recommendations. Mycorrhizal Fungi shall be a dry, granular inoculant containing vesicular-arbuscular mycorrhizal fungi and ectomycorrhizal fungi.
- Excavate planting beds to a depth of 12 inches, unless otherwise indicated. Roto-til subgrade of excavation to a depth of 4 inches, unless otherwise indicated. Incorporate a 6 inch lift of planting mix into subgrade. Place remaining Planting Mix in settled 6 inch lifts.
- Planting beds, including mulch, shall be no higher than 6 inches above adjacent grade and shall not impede surface drainage.
- Lawn areas shall be backfilled with topsoil to a minimum settled thickness of 6 inches. Roto-til subgrade below lawns to a depth of 4 inches, unless otherwise indicated, prior to placement of Planting Mix.
- All trees and shrubs shall be fertilized with controlled release tablets of 20-10-5 composition. Size and number of tablets shall be per manufacturer's instructions.
- Composition and application rate of lawn fertilizer shall be sufficient to amend soil according to recommendations of a qualified soil testing agency. Submit soil test results and amendment recommendations to Owner. Lawn fertilizer shall be in a dry granular form.
- Contractor to determine plant list quantities from the plan. Graphic representation on plan supersedes in case of discrepancy with quantities on schedule.
- Any item or areas damaged during construction shall be repaired or replaced to its original condition at the contractor expense.
- Contractor shall thoroughly water all plants at time of installation and as needed until project acceptance by owner. Contractor shall guarantee all plants installed for one full year from date of acceptance by the Owner. All plants shall be alive and at a vigorous rate of growth at the end of the guarantee period.

MARK	DATE	DESCRIPTION



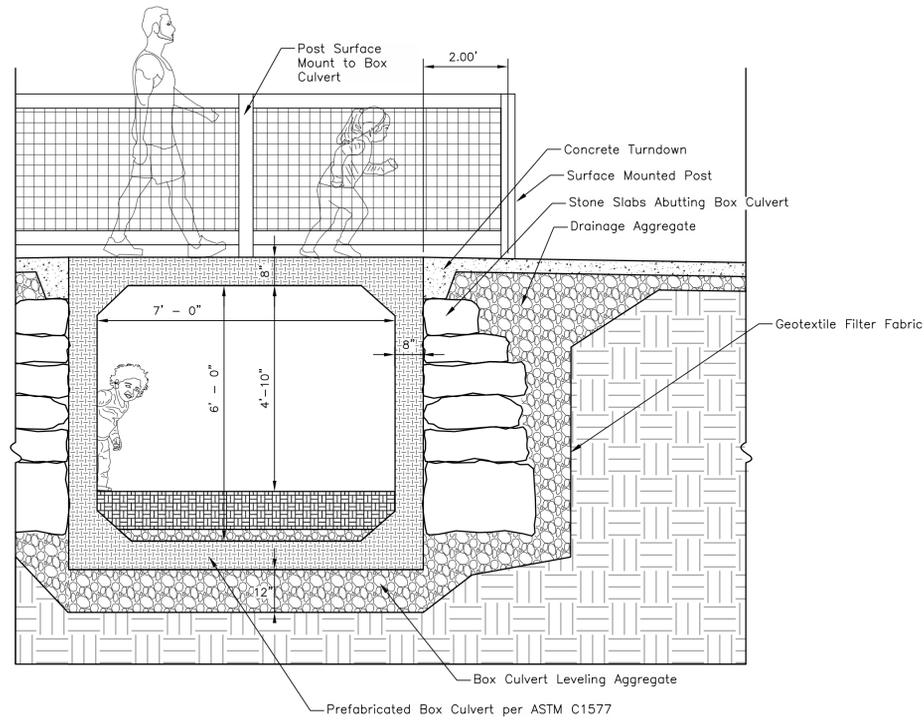
PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
LANDSCAPE - NOTES & DETAILS



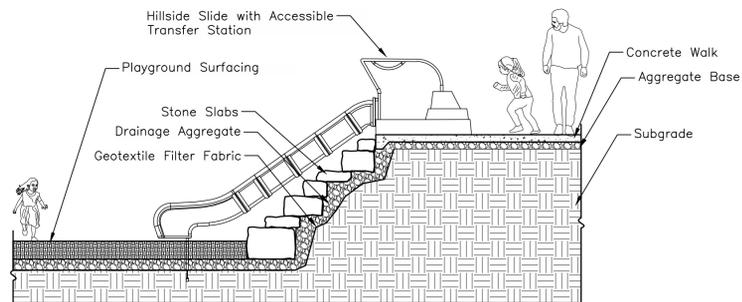
DATE	February 2026
SCALE	AS NOTED
JOB NO.	2025-0297
SHEET	19/21

BID SET
NOT TO BE USED FOR
CONSTRUCTION
PLAN SET DATE
February 2026

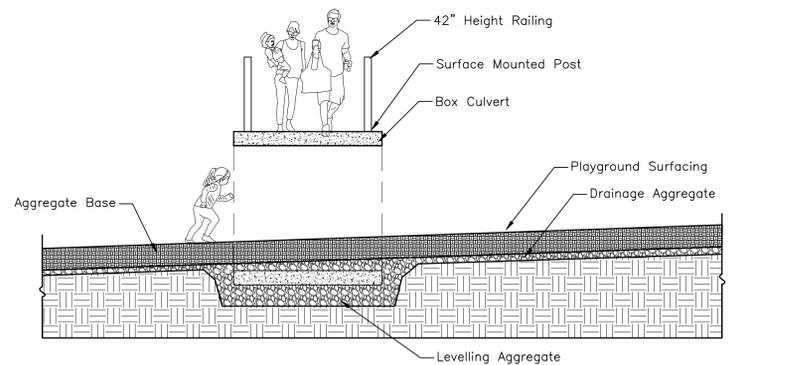
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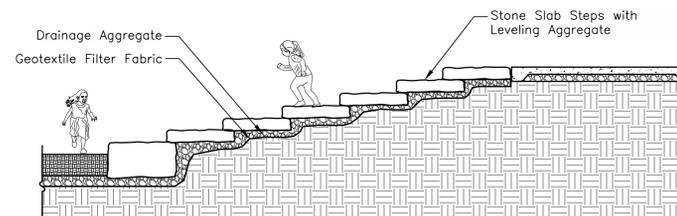
A SECTION
Concrete Walk Abutting Box Culvert
1" = 2'-0"



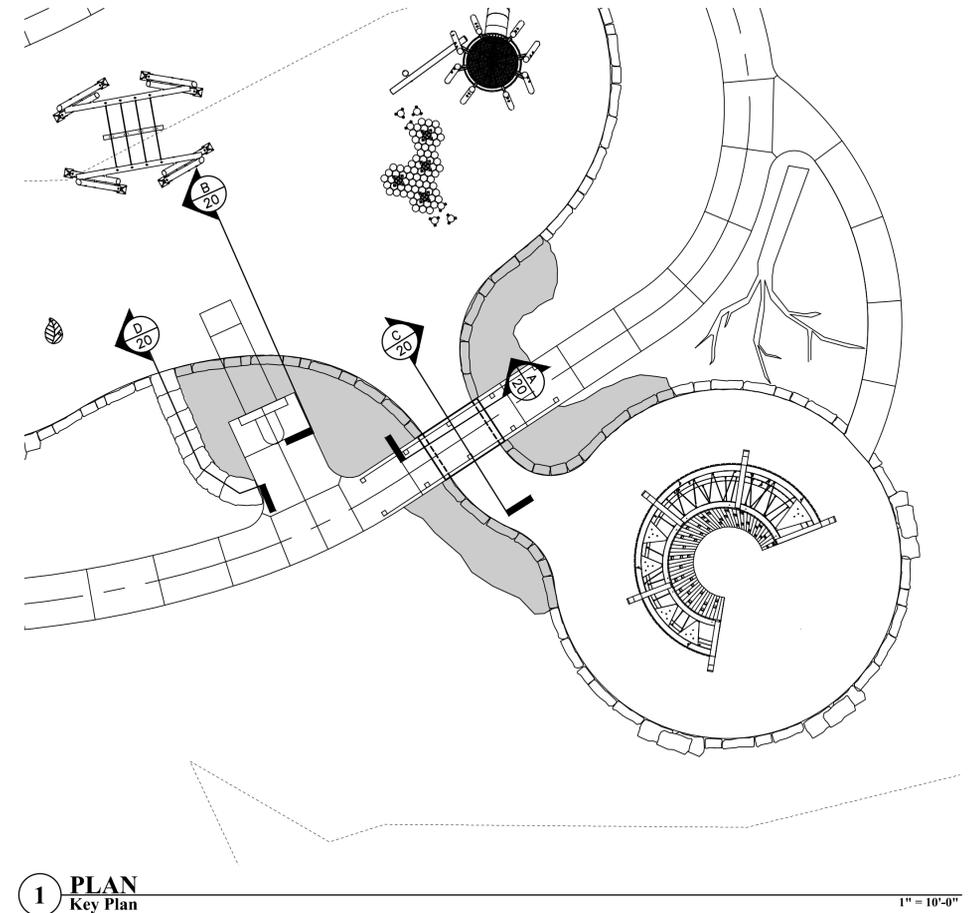
B SECTION
Hillside Slide
1" = 4'-0"



C SECTION
Box Culvert and Walkway
1" = 4'-0"



D SECTION
Stone Steps Near Hillside Slide
1" = 4'-0"



1 PLAN
Key Plan
1" = 10'-0"



BID SET
NOT TO BE USED FOR
CONSTRUCTION

PLAN SET DATE
February 2026

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
LANDSCAPE - SECTIONS 1



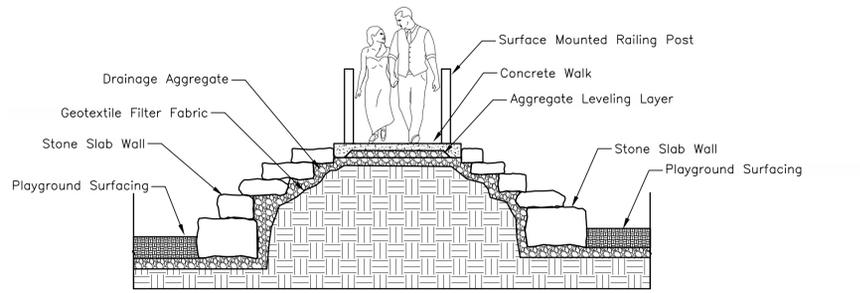
DATE
February 2026

SCALE
1" = 10'

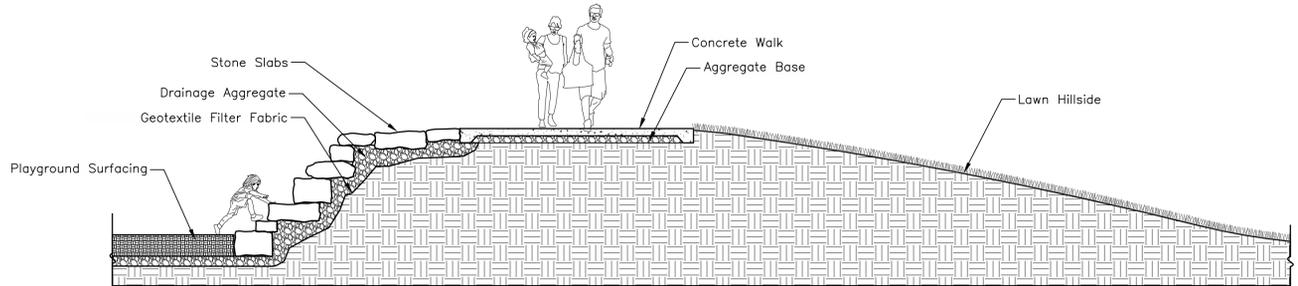
JOB NO.
2025-0297

SHEET
20/21

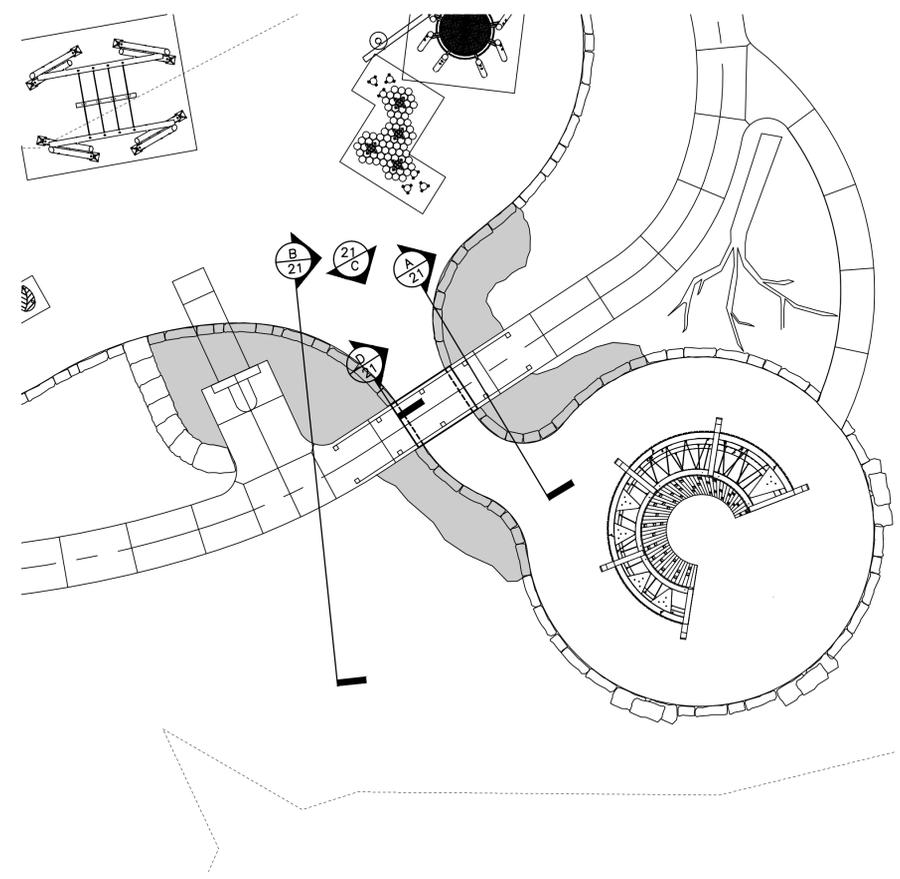
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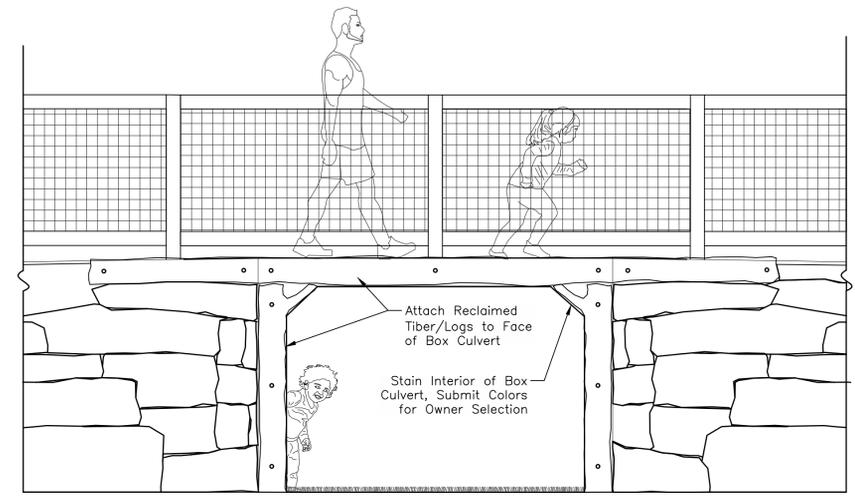
A SECTION
Walkway and Wall
1" = 4'-0"



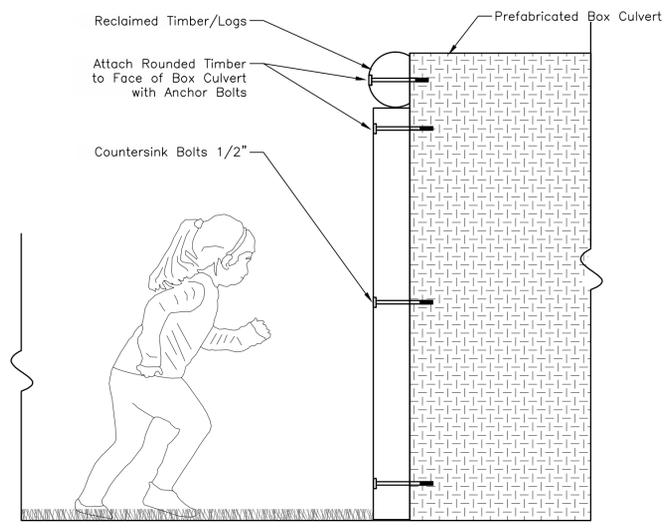
B SECTION
Wall and Hillside
1" = 4'-0"



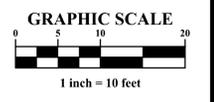
1 PLAN
Key Plan
1" = 10'-0"



C ELEVATION
Culvert Entry
1" = 2'-0"



D SECTION
Culvert Entrance Wood Attachments
1" = 1'-0"



BID SET
NOT TO BE USED FOR
CONSTRUCTION

PLAN SET DATE
February 2026

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
PARK IMPROVEMENTS
DELAWARE COUNTY, OHIO
LANDSCAPE - SECTIONS 2

EMHT
Evans, Meechwell, Hambleton & Hiron, Inc.
Engineers • Surveyors • Planners • Architects
10000 W. Main Street, Columbus, OH 43240
Phone: 614.775.4500 Fax: 614.775.4500
emht.com

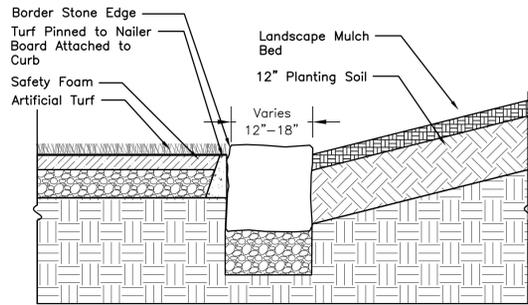
DATE
February 2026

SCALE
1" = 10'

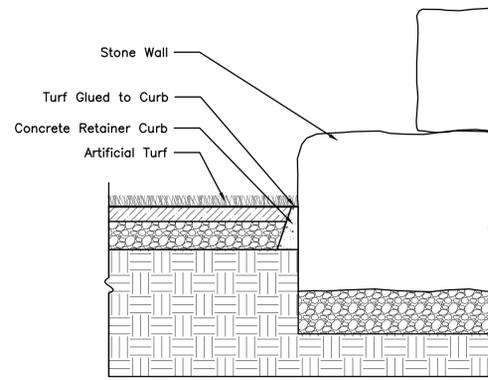
JOB NO.
2025-0297

SHEET
21/21

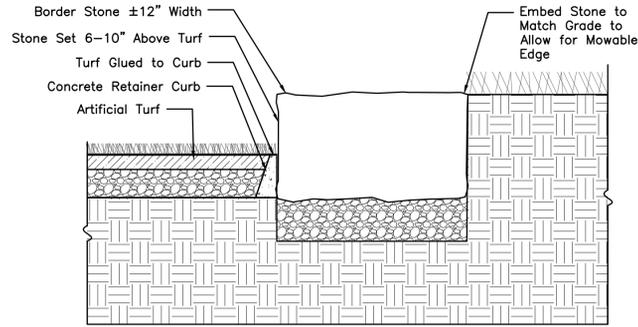
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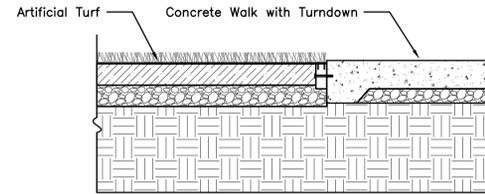
A **DETAIL**
Border Stone Edge Abutting Sloped Mulch Bed Not to Scale



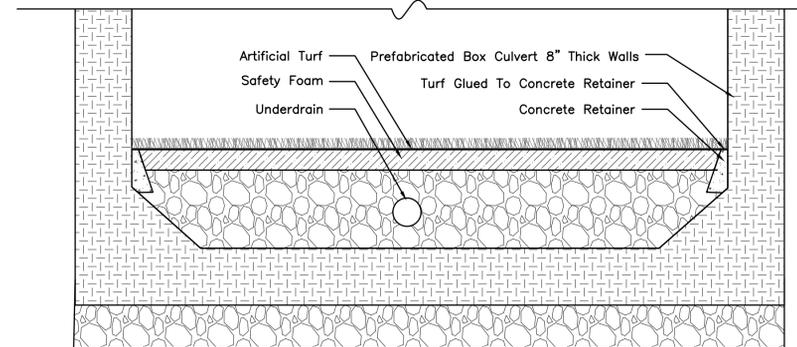
B **DETAIL**
Artificial Turf Abutting Stone Wall Not to Scale



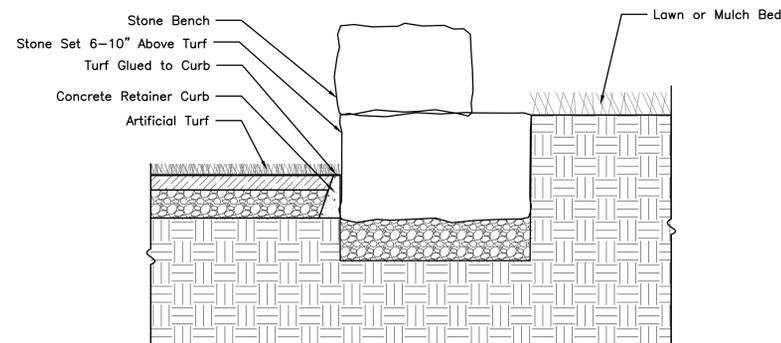
C **DETAIL**
Artificial Turf Abutting Stone Edge Not to Scale



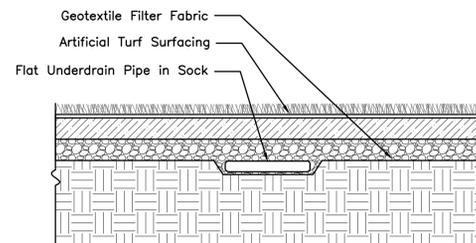
D **DETAIL**
Artificial Turf Abutting Concrete Walk Not to Scale



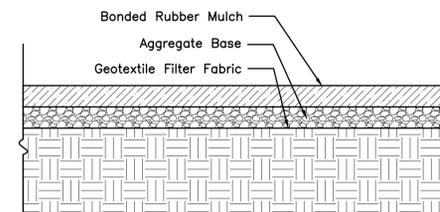
E **DETAIL**
Artificial Turf Abutting Prefabricated Box Culvert Not to Scale



F **DETAIL**
Artificial Turf Abutting Stone Edge and Seat Wall Not to Scale



G **DETAIL**
Underdrain for Artificial - Flat Drain Pipe Not to Scale



H **DETAIL**
Bonded Rubber Mulch Surface, Typ. - Alternate 1 Not to Scale



1 **PLAN**
Key Plan Not to Scale

- █ DETAIL A: Stone Edge Abutting Sloped Mulch Bed
- █ DETAIL B: Artificial Turf Abutting Stone Wall
- █ DETAIL C: Artificial Turf Abutting Stone Edge
- █ DETAIL D: Artificial Turf Abutting Concrete Walk
- █ DETAIL E: Artificial Turf Abutting Prefabricated Box Culvert
- █ DETAIL F: Artificial Turf Abutting Stone Edge and Seat Wall

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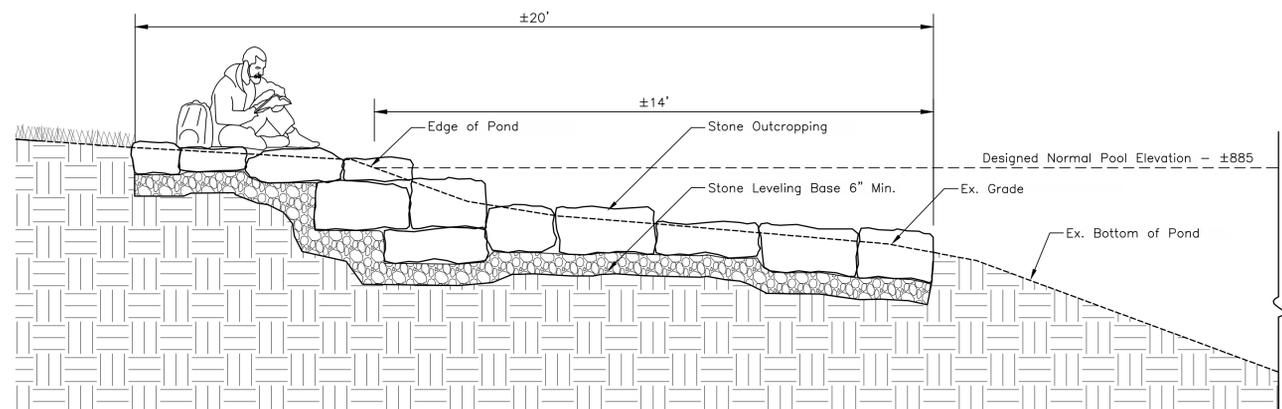
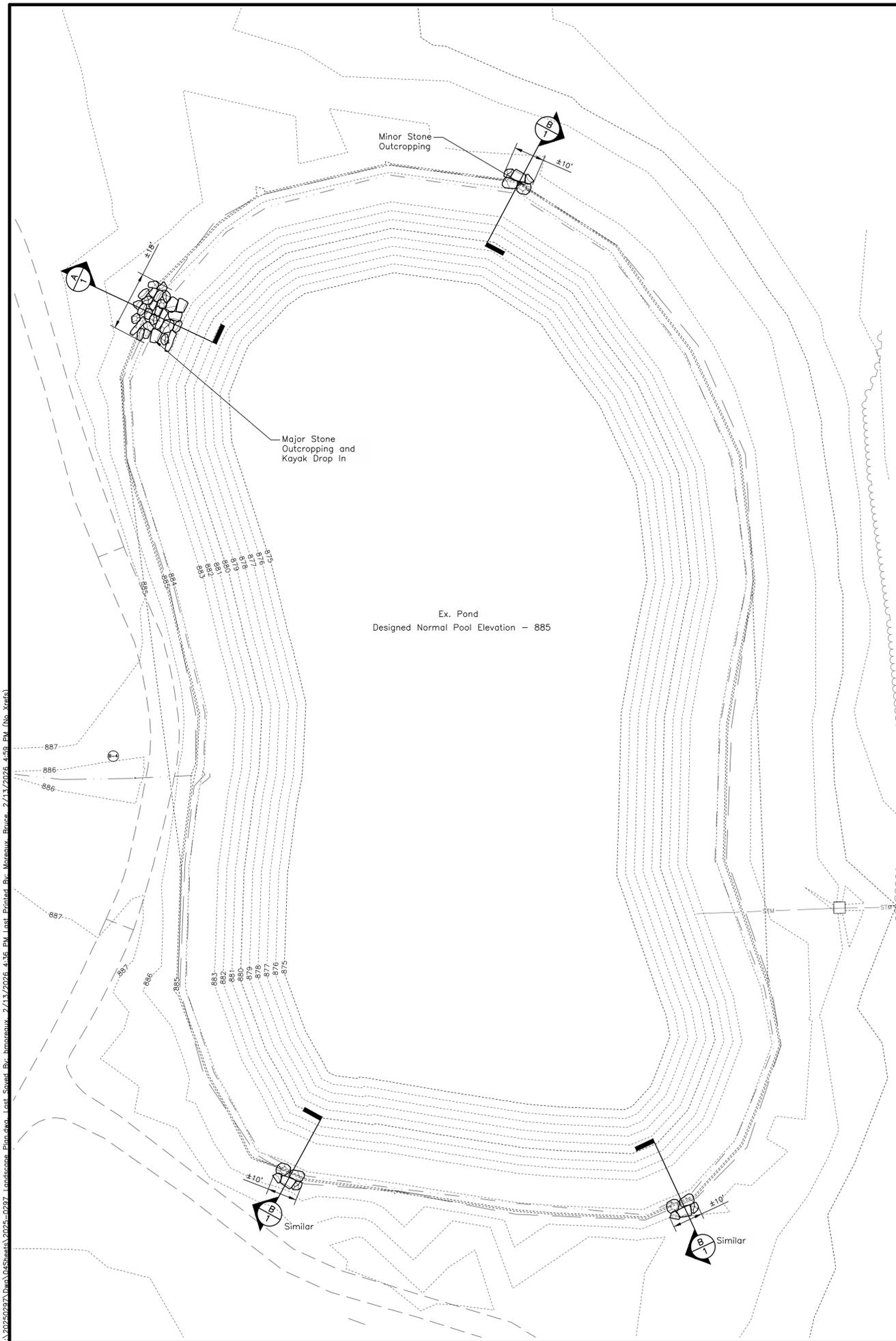
PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 LANDSCAPE - ARTIFICIAL TURF SURFACING DETAILS ALTERNATE 1 & 2



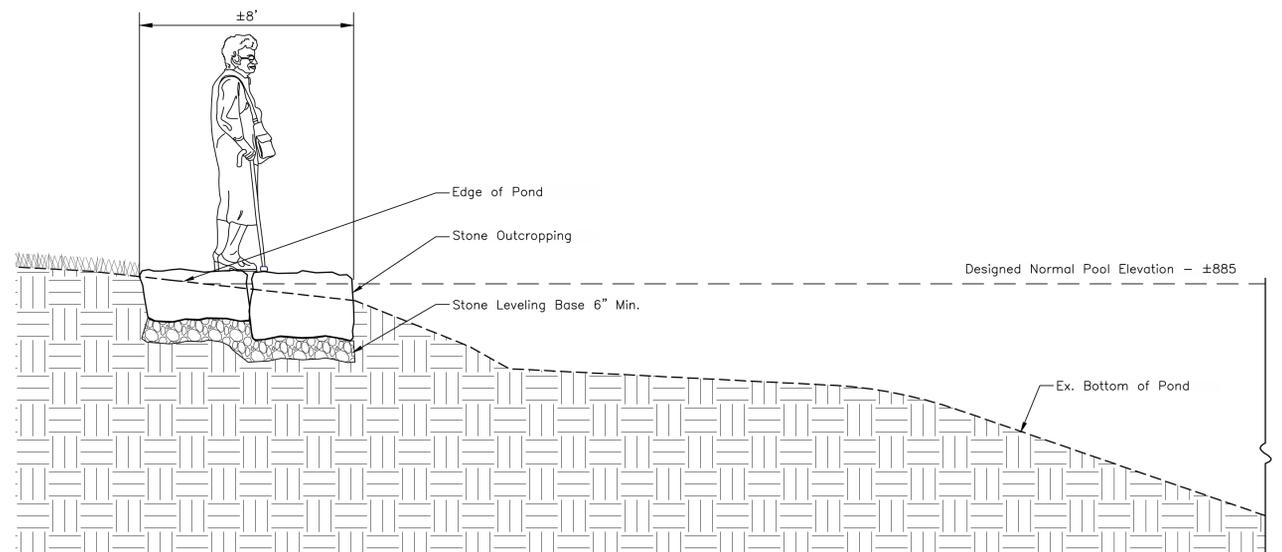
DATE	February 2026
SCALE	AS NOTED
JOB NO.	2025-0297
SHEET	A1

BID SET
 NOT TO BE USED FOR
 CONSTRUCTION
 PLAN SET DATE
 February 2026

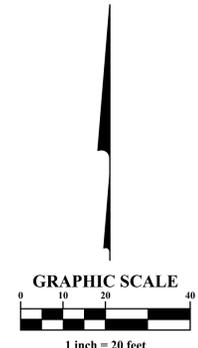
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A SECTION
Major Stone Outcropping
1" = 2'-0"



B SECTION
Minor Stone Outcropping
1" = 2'-0"



BID SET
NOT TO BE USED FOR
CONSTRUCTION
PLAN SET DATE
FEBRUARY 2026

MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 POND EDGE PLAN AND DETAILS - ALTERNATE 3

EMHT
 Evans, Meechwell, Hambleton & Tilton, Inc.
 Engineers • Surveyors • Planners • Architects
 500 West 1st Street, Columbus, OH 43260
 Phone: 614.735.4500 Fax: 614.735.4500
 emht.com

DATE	February 2026
SCALE	1" = 20'
JOB NO.	2025-0297
SHEET	A2

Water Line Notes

WTR-1 All water lines, fittings, and appurtenances shall be installed in accordance with the specifications contained within the most recent edition of the COC CMS, except as modified within the City of Delaware General Notes, Standard Drawings and Infrastructure Design Manual.

WTR-2 Any activity related to the modifying, upgrading, or expanding the public water system must have pre-approval of the Public Works Department and Utility Department. Work requiring the shutdown of existing water mains is to be coordinated with these two departments forty-eight hours prior to the scheduled work being performed. All affected customers shall be notified, in writing, by the contractor at least twenty-four hours prior to shut down. City approval of all customer notification is required in advance of distribution.

WTR-3 Water mains shall be ductile iron pipe (DIP), Class 53 for sizes 3" to 10" and Class 54 for sizes 12" to 48" (AWWA C151) with cement mortar lining and seal coating (AWWA C104) in accordance with city specifications, unless called out otherwise by these plans. For pipe 12" and smaller, AWWA C909 polyvinyl chloride (PVC) pipe with cast iron outside diameter (CIOD) dimensions and Pressure Class 235 is permitted as an alternate to ductile iron pipe. DIP joints must be rubber gasket push-on or mechanical (AWWA C111). PVC pipe joints must be integral bell push on joints (ASTM D3139). Water main fittings must be ductile iron with cement mortar lining and seal coating with mechanical joints and must conform to AWWA C153, unless specified otherwise by these plans. Joint restraints must be per the approved plans.

WTR-4 All piping 2" or less in diameter between the water main and the control valve or meter pit shall be Type K, soft tempered copper tubing conforming in all respects to ASTM B88. Fittings shall be Ford or Mueller high quality copper brass with AWWA approved compression type joints. There will be no fittings permitted between the water main connection and the control valve.

WTR-5 Not Used

WTR-6 Water lines shall be installed with a minimum of 4'-0" of cover measured from the finished grade to the top of the water main, or as indicated on the approved construction plans.

WTR-7 Not Used

WTR-8 If there are any conflicts in grade between water line and sewers, the water lines shall be lowered during construction.

WTR-9 The Contractor shall be responsible for the horizontal and vertical deflections or bend in the water line in accordance with the manufacturer's specifications. Water lines are to maintain 1'-6" vertical, and 10'-0" horizontal clearance from sanitary sewers and storm sewers.

WTR-10 A permit for each new water service must be obtained from the city prior to making a connection to the public water system as part of this project. Permit applications can be obtained from City Hall at 1 South Sandusky Street.

WTR-11 The water service taps shall consist of all pipe, valves, fittings, and appurtenances necessary to connect to the public water main and complete the installation according to the standards set forth in the approved construction plans.

WTR-12 The valve covers and inside of all mainline water valve boxes shall be painted blue, and the valve covers and inside of all fire hydrant watch valve boxes shall be painted red with 2 coats of rust inhibitive paint. Public fire hydrants are to be painted with two coats of Federal Safety yellow. Private fire hydrants are to be painted Federal Safety Red, with White bonnets and nozzle covers.

WTR-13 All mechanical fasteners, bolts, are to be provided with a factory-coated carbon steel bolts (Blue Fluoropolymer/fluorocarbon tee head bolts and nuts) for mechanical joint fittings; Sigma, Tyler, or approved equal. All thread rod, etc., shall receive one coat of rust inhibitive paint or coating.

WTR-14 If the top of the valve operating nut is more than 36" inches below finished grade, an extension stem shall be furnished to bring the top of the operating nut to within 24" of finished grade elevation. All valve stem extensions are to be installed with the extension secured directly to the valve operating nut with galvanized bolts.

WTR-15 Water line shall not be installed in any trench filled with water. The contractor is responsible for dewatering operations required for the construction of the water line.

WTR-16 All fittings shall be adequately restrained with solid or poured in place concrete blocking per the City standard drawings. All fittings to be backed must be thoroughly wrapped in plastic sheeting prior to placing concrete.

WTR-17 Not Used

WTR-18 Not Used

WTR-19 Not Used

WTR-20 The installation of 3/4" and 1" water taps shall be made by direct tap only. Direct taps are not permitted to any asbestos mains. 1 1/2" and 2" water taps shall be made with a Ford style FC-202. 3" and 4" water taps shall be made with a Ford style FS-202. 6" water taps and larger shall be made with a Ford FTSS tapping sleeve. A JCM 432 is an approved equal.

WTR-21 Not Used

WTR-22 Valve boxes are to be Tyler 6850 Series cast iron 2-piece screw type for main and water valves and Tyler 6500 Series cast iron 2-piece screw type valve boxes for curb valves. Star Pipe products 2-piece screw type valve box item code approved.

WTR-23 For water service taps: The water main connection shall be made using a Mueller 300 Ball Type B-25008 or Ford FB1000-Q BALLCORP corporation stop. Control valves shall be Mueller 300 Ball Curb Valve B-25209 or Ford B44-Q Ball valve curb stops (quarter turn only).

WTR-24 Not Used

WTR-25 All water lines shall be tested (AWWA C600 for ductile iron pipe or AWWA C605 for polyvinyl chloride pipe) and sterilized (AWWA C651) by the Contractor at the Contractor's expense in accordance with the City and AWWA specifications. Testing shall be done under the supervision of the Public Works Department.

WTR-26 All meters (other than standard 5/8" x 3/4" residential meter) and all backflow devices specified for this project must be delivered to the City Public Utilities Department for inspections and approval prior to installation.

WTR-27 Meter pits, including all piping, fittings, equipment, and appurtenances, must be approved by the City through a scheduled field inspection during the installation. The City Public Utilities Department is responsible for inspecting the domestic water meter pit, domestic water line, and associated appurtenances. The Planning and Community Development Department is responsible for the inspection of the fire line, thrust blocks for the fire line, meter pit-fire line connection, fire department connection, and valve monitoring. Prior to burying the water service, the appropriate department representative shall be contacted by the Contractor to arrange for the required inspection of each portion of the service. Failure to having the inspection performed will result in having to uncover the service for inspections.

WTR-28 The pressure required to perform hydrostatic testing on water lines is 150 psi for domestic lines and 200 psi for fire suppression lines (per NFPA 13).

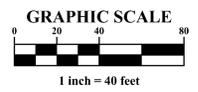
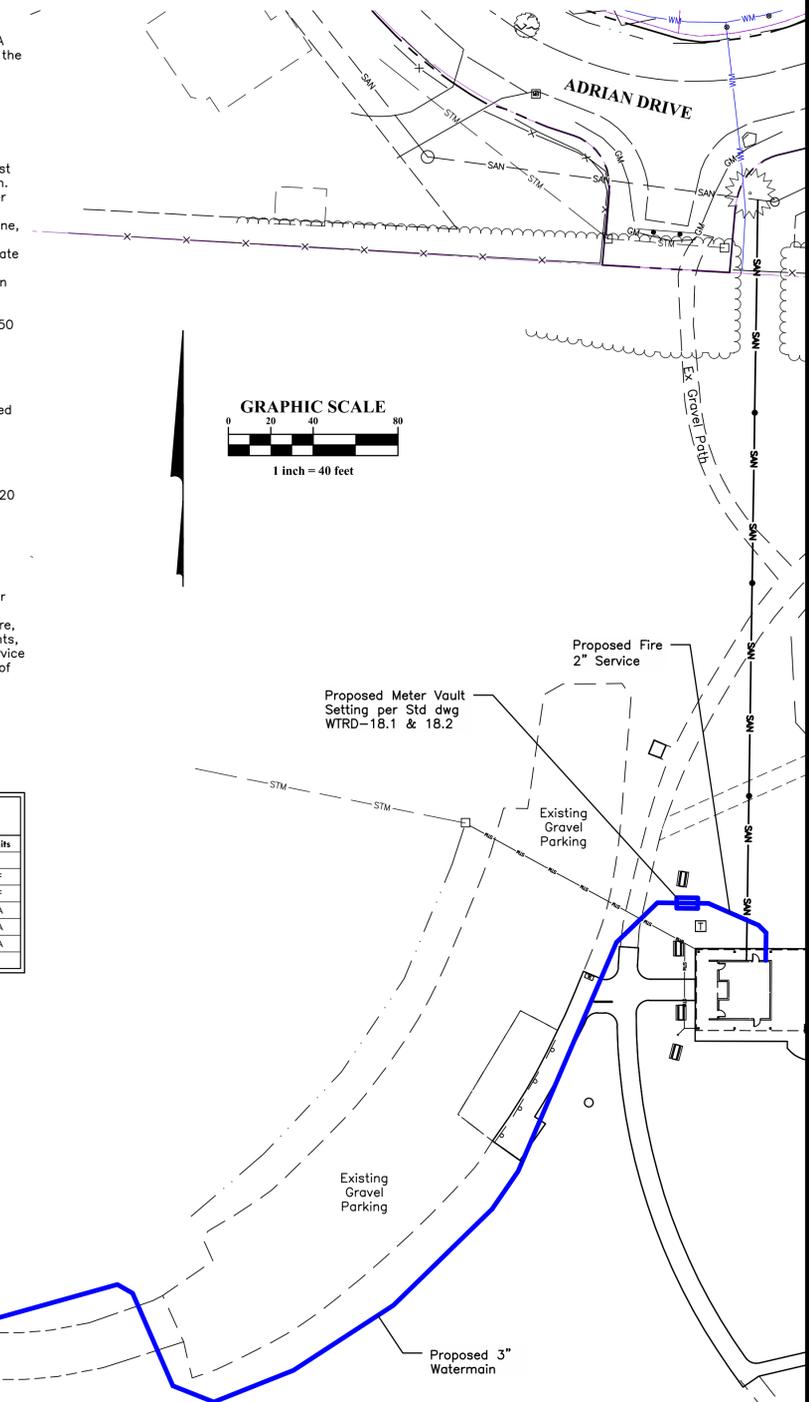
WTR-29 No Used

WTR-30 All mechanical joints within the meter vault shall include factor manufactured flanges. No uni-flanges are permitted. All joints and fittings located on the supply side within 20'-feet of the meter vault shall be restrained using approved mechanical joint restraints.

WTR-31 All water mains, including those not designed to provide fire protection, shall be sized after a hydraulic analysis based on flow demands and pressure requirements. The system shall be designed to maintain a minimum pressure of 20 psi at ground level at all points in the distribution system under all conditions of flow. The normal working pressure in the distribution system shall be at least 35 psi.

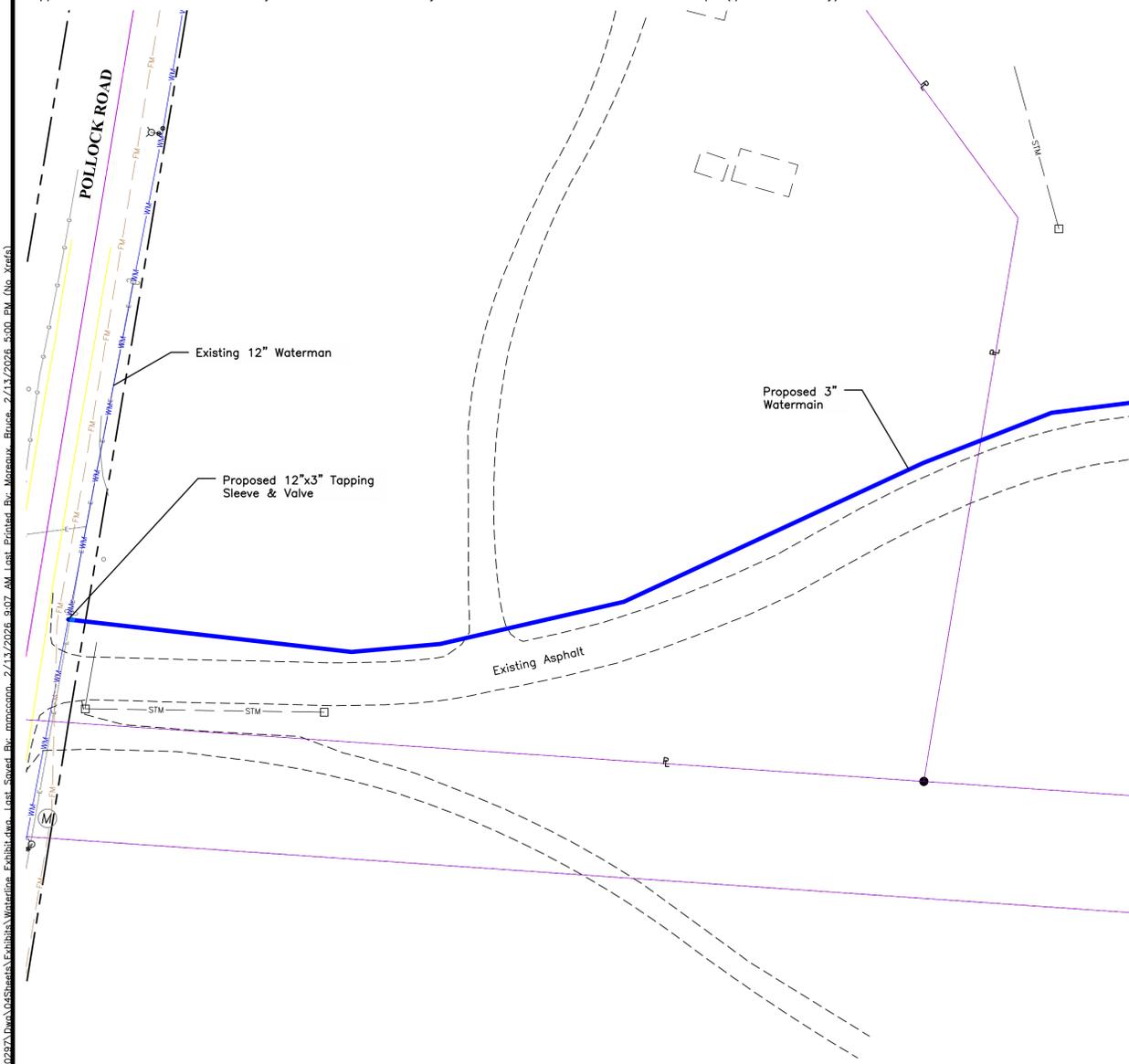
WTR-32 Booster pumps are not permitted on individual water services.

WTR-33 Shop Drawings are required for be submitted for review and approval per the City of Columbus CMS prior to the commencement of ordering materials/construction, this includes but is not limited to, all water pipe, tracer wire, connections, valves boxes, meter box covers, curb stops, corporation stops, hydrants, fittings, accessories (glands, gaskets, bolts, nuts) couplings, clamps, restraints, service saddles, etc. Additional shop drawings shall be provided as requested by the City of Delaware.



Ref	Spec	Item No.	Description	Quantity	Units
WATERWORK					
	COC	801	3" Water Pipe and Fittings	1,365	LF
	COC	801	2" Water Pipe and Fittings	54	LF
	COC	803	12"x3" Tapping Sleeve & Valve	1	EA
	COC	805	2" Water Tap	1	EA
	SPEC		Meter Vault & Setting (WTRD 18.1 & 18.2)	1	EA

* DENOTES CONTINGENCY ITEM



MARK	DATE	DESCRIPTION



PRESERVATION PARKS OF DELAWARE COUNTY
HICKORY WOODS PARK
 PARK IMPROVEMENTS
 DELAWARE COUNTY, OHIO
 UTILITY PLAN - WATERLINE PLAN ALTERNATE 4



DATE	OCTOBER 2025
SCALE	1" = 40'
JOB NO.	2025-0297
SHEET	A3

BID SET
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 CONSTRUCTION
 PLAN SET DATE
 February 2026

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ABBREVIATIONS

ANCHOR BOLT	AB.	JOINT	JT.
ABOVE FINISH FLOOR	ABF.	LAVATORY	LAV.
BEARING	BRG.	LENGTH	L.
BOTTOM	BOT.	MANUFACTURER	MFR.
BUILDING	BLDG.	MASONRY	MAS.
CEILING	CLG.	MASONRY OPENING	M.O.
CENTERLINE	C.L.	MAXIMUM	MAX.
CENTER TO CENTER	C.C.	MECHANICAL CONTRACTOR	M.C.
CHANNEL	CHAN.	MINIMUM	MIN.
CLOSET	CLOS.	MISCELLANEOUS	MISC.
CONCRETE	CONC.	NOT TO SCALE	N.T.S.
CONSTRUCTION	CONST.	NUMBER	NO.
CONTINUOUS	CONT.	OUTSIDE DIAMETER	O.D.
CONTRACTOR	CONTR.	OUT TO OUT	O/O
CUBIC	CU.	PAIR	PR.
CUBIC FEET	C.F.	PLATE	PL.
DEPTH	D.	PLUMBING CONTRACTOR	P.C.
DETAIL	DET.	RADIUS	R.
DIAMETER	DIA.	REQUIRED	REQ'D.
DIMENSION	DIM.	REVISION	REV.
DRAIN	DR.	ROOM	RM.
ELECTRIC	ELEC.	ROUGH OPENING	R.O.
ELECTRICAL CONTRACTOR	E.E.C.	SECTION	SECT.
ELEVATION	ELEV.	SIMILAR	SIM.
EQUAL	EQ.	SPECIFICATION	SPEC.
EXISTING	EXIST.	SQUARE	SQ.
EXPANSION	EXP.	SQUARE FEET	SF.
EXTERIOR	EXT.	STAINLESS STEEL	S.S.
FEET	FT.	STANDARD	STD.
FINISH	FIN.	THICKNESS	T.
FLOOR	FLR.	TOP OF CONCRETE	T.O.C.
FLOOR DRAIN	F.D.	TOP OF FOOTING	T.O.F.
FLUORESCENT	FLUOR.	TOP OF STEEL	T.O.S.
GAS	G.	TOP OF WALL	T.O.W.
GAUGE	GA.	TYPICAL	TYP.
GENERAL TRADES CONTRACTOR/G.T.C.	G.T.C.	VERTICAL	VERT.
GLASS	GL.	WIDTH	W.
GYP(SUM) BOARD	GYP. BD.	WIRE GLASS	WGL.
HEIGHT	HGT.	WITH	W.
HOLLOW METAL	H.M.	WITHOUT	W/O.
HORIZONTAL	HORIZ.	WOOD	WD.
HOT WATER	H.W.		
INSIDE DIAMETER	I.D.		
INSULATION	INSUL.		
INTERIOR	INT.		
INVERT	INV.		

GENERAL NOTES

- THE DRAWINGS SHOWN ARE AN APPROXIMATE REPRESENTATION OF EXISTING CONDITIONS. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS MAY CAUSE MINOR RELOCATIONS.
- CONTRACTORS SHALL INVESTIGATE AND LOCATE ALL UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED UTILITIES AFFECTED BY THE WORK IN PROGRESS IN ACCORDANCE WITH LOCAL UTILITY COMPANIES.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE PROCEDURES AND SEQUENCES AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS. THIS INCLUDES BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUY WIRE AND/OR TIE DOWNS THAT MAY BE NECESSARY, THE CONTRACTOR SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT. (OSHA, LATEST AMENDMENTS).
- DURING THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL INFORM THE OWNER OF ANY UNSTABLE CONDITIONS PRIOR TO PROCEEDING WITH THE WORK IN PROGRESS.
- THE EXCAVATION AND REMOVAL OF ANY EXISTING MATERIAL IS TO BE ACCOMPLISHED IN A SYSTEMATIC AND ORGANIZED MANNER. THE DEBRIS IS TO BE DISPOSED OF OFF SITE. COMPLY WITH THE REQUIREMENTS OF ALL STATE AND LOCAL CODES. PROVIDE ADEQUATE ENVIRONMENTAL CONTROLS. DISPOSE OF ALL MATERIALS IN A LAWFUL MANNER.
- ALL INTERIOR FINISHES SHALL COMPLY WITH ASTM E-84 FOR SMOKE DEVELOPMENT PER OBC REQUIREMENTS.
- THE PARK WILL REMAIN OPEN DURING THIS CONSTRUCTION AND ALL EFFORTS ARE TO BE MADE BY THE CONTRACTOR TO ENSURE MINIMAL DISRUPTIONS OUTSIDE OF THE DESIGNATED WORKING AREAS.
- THE PARK'S OPERATIONAL HOURS ARE FROM DUSK-TO-DAWN WITH THE PARK MANAGER OPENING AND CLOSING THE PARK'S MAIN GATES AT THESE TIMES. REVIEW OPENING AND CLOSING TIME CHANGES WITH THE MANAGERS DURING CONSTRUCTION AS SEASONAL CHANGES WILL BRING CHANGES IN THESE TIMES.
- THE BUILDING'S RESTROOMS ARE DESIGNED FOR NATURAL LIGHTING AS MUCH AS POSSIBLE AND HAVE MECHANICAL LIGHTING LOCATED IN THE CHASE AND PROJECTING THROUGH THE SKYLIGHTS INTO THE RESTROOMS PER DAYLIGHT LEVELS MONITORED BY AN OCCUPANCY SENSOR LOCATED IN EACH RESTROOM.
- RESTROOMS HAVE NATURAL VENTING THROUGH THE DOORS OPENING PER OCCUPANTS USE, HOWEVER MECHANICAL VENTING IS UTILIZED IN ADDITION TO THE NATURAL VENTING IN THE FORM OF EXHAUST FAN LOCATED IN THE CHASE AND CONNECTED TO ONE GRILLE IN EACH RESTROOM AND CONTROLLED BY A SWITCH.

BUILDING CODE SUBMITTAL DATA

CODE USED: 2024 OBC, 2024 OFC, 2024 OMC, 2024 NEC
 USE GROUP: U, UTILITY AND MISCELLANEOUS
 TYPE OF CONSTRUCTION: 5B COMBUSTIBLE/UNPROTECTED

STRUCTURE ELEMENTS:	RATING REQUIRED (HOURS)	PROVIDED RATING
I. EXTERIOR WALLS		
A. LOAD BEARING	0	0
B. NON LOAD BEARING	0	0
C. FIRE WALLS AND PARTY WALLS	NA	N/A
D. FIRE SEPARATION ASSEMBLIES		
A. FIRE ENCLOSURE OF EXITS	NA	NA
B. SHAFTS	NA	NA
C. MIXED USE	NA	NA
D. OTHER-FURNACE ROOM	NA	NA
E. FIRE PARTITIONS		
A. EXIT ACCESS CORRIDOR	NA	NA
B. TENANT SEPARATION	NA	NA
C. DWELLING UNIT SEPARATION	NA	NA
D. SMOKE BARRIERS	0	0
F. OTHER NON LOAD BEARING PARTITIONS		
G. INTERIOR LOAD BEARING WALLS/PARTITIONS, COLUMNS, GIRDERS, TRUSSES AND FRAMING		
A. SUPPORTING MORE THAN ONE FLOOR	NA	NA
B. SUPPORTING ONE FLOOR OR A ROOF ONLY	0	0
H. STRUCTURAL MEMBERS SUPPORTING A WALL	0	0
I. FLOOR CONSTRUCTION	0	0
II. ROOF CONSTRUCTION	0	0

ALLOW HEIGHT/AREA PER FLR	ACTUAL HEIGHT/AREA PER FLR
1 STORY, 401/5500 SQ. FT.	1 STORY, 161/3400 SQ. FT.

BUILDING DOES NOT REQUIRE AUTOMATIC FIRE SUPPRESSION SYSTEM
 PAVILION OCCUPANCY LOADING: 104 OCCUPANTS

BUILDING CODE DATA - GENERAL

APPLICABLE CODES:

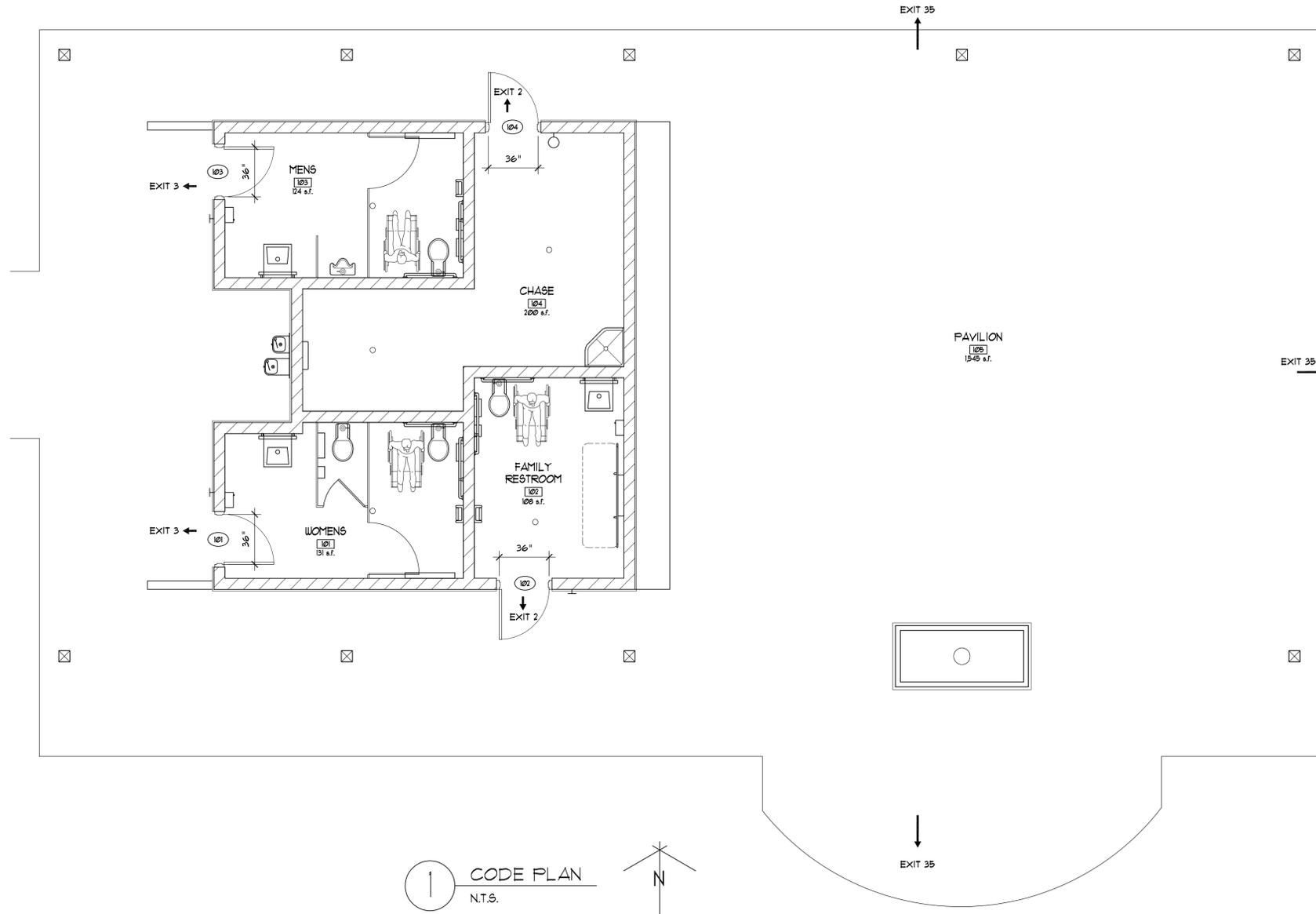
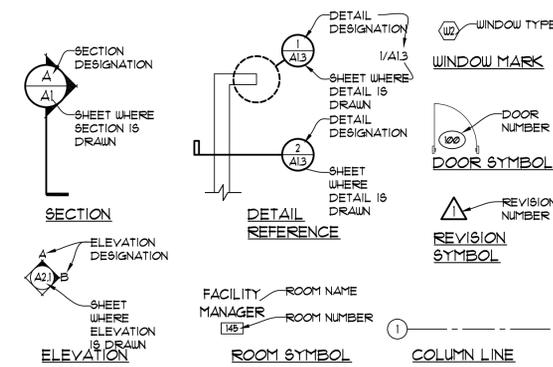
BUILDING CODE:	2024 OHIO BUILDING CODE WITH UPDATES
MECHANICAL CODE:	2024 OHIO MECHANICAL CODE WITH UPDATES
PLUMBING CODE:	2024 OHIO PLUMBING CODE WITH UPDATES
FIRE CODE:	2024 OHIO FIRE CODE (NEC) - NFPA 70
ELECTRICAL CODE:	2024 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70
ACCESSIBILITY CODE:	ICC/ANSI A117.1-2009

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS CHAPTER 6 OBC

ELEMENT	(HOURS)
EXTERIOR WALLS	0
STRUCTURAL FRAME	0
INTERIOR BEARING WALLS, COLS., BMS.	0
BEARING WALLS	
EXTERIOR	0
INTERIOR	0
FLOOR CONSTRUCTION	0
INCLUDING SUPPORTING BEAMS AND JOISTS	0
ROOF CONSTRUCTION	0
INCLUDING SUPPORTING BEAMS AND JOISTS	0

PLUMBING FIXTURE REQUIRED				
	WC	LAVS	DF	SERVICE SINK
MEN	1	1	1	1
WOMEN	1	1	1	1

DRAWING SYMBOLS



CODE PLAN SYMBOLS / LEGEND

	BUILDING #
	INDICATES EXIT WAY OUT OF BUILDING NUMBER DESIGN CAPACITY OF OPENING AT EACH LOCATION

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A SINGLE STORY, STEEL FRAMED 4 MASONRY UNIT SHELTER RESTROOM FACILITY FOR GENERAL PARK USE. THIS FACILITY WILL BE HEATED AND ONLY OPEN DURING DAYLIGHT HOURS.

CODE DATA AND GENERAL INFORMATION

IMPROVEMENTS
 HICKORY WOODS PARK
 1271 POLLOCK ROAD
 DELAWARE, OH 43015

PREPARED FOR:
 PRESENTATION PARKS OF DELAWARE COUNTY
 2656 HOGBACK ROAD
 SUNBURY, OH 43074

schorr architects inc. 230 Bradenton Ave. Dublin, OH 43017 (614)798-2096

BID SET 02.12.2026	
CD SET 01.22.2026	
COMM. NO.: 2522	

T1

TONY R. SCHORR, LICENSE #8879
 EXPIRATION DATE 12/31/2027
 SIGNED: [Signature] DATE: [Date]

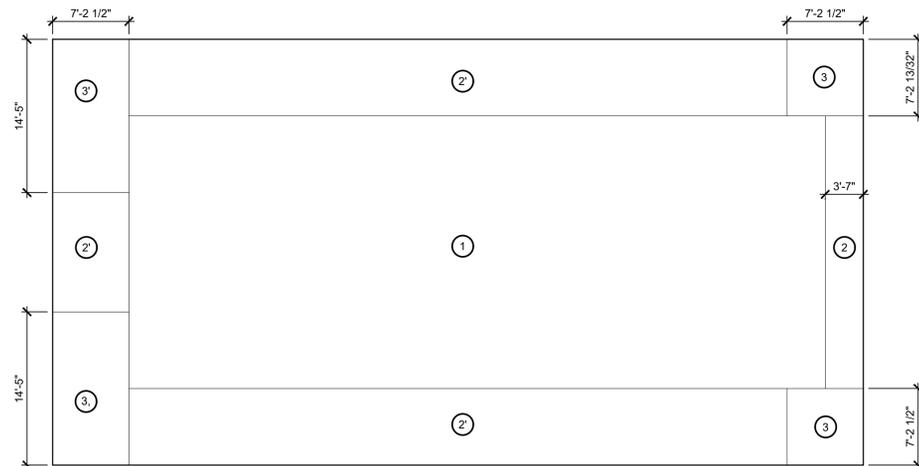
1 CODE PLAN N.T.S.

GOVERNING CODE: 2024 OHIO BUILDING CODE

1. DEAD LOADS
BUILDING ROOF
 - A. ROOF DECK = 8.0 PSF
 - B. MECHANICAL AND ELECTRICAL = 5.0 PSF
 - C. MISCELLANEOUS = 5.0 PSF
 - D. TOTAL DEAD LOAD = 18.0 PSF
1. ROOF LIVE LOADS:
 - A. MINIMUM ROOF LIVE LOAD = 20 PSF
3. ROOF SNOW DESIGN PARAMETERS
 - A. GROUND SNOW LOAD $P_g = 20.0$ PSF
 - B. BALANCED/FLAT ROOF SNOW LOAD $P_f = 16.8$ PSF
 - C. MINIMUM UNIFORM SNOW LOAD $P_m = 20.0$ PSF
 - D. SNOW EXPOSURE FACTOR $C_e = 1.0$
 - E. SNOW LOAD IMPORTANCE FACTOR $I = 1.0$
 - F. THERMAL FACTOR $C_t = 1.2$
 - G. DRIFTING SNOW AND UNBALANCED SNOW PER ASCE 7-16.
4. WIND DESIGN PARAMETERS
 - A. ULTIMATE DESIGN WIND SPEED $V_{ult} = 108$ MPH
 - B. NOMINAL DESIGN WIND SPEED $V_{asd} = 83.7$ MPH
 - C. RISK CATEGORY = II
 - D. WIND EXPOSURE CATEGORY = C
 - E. INTERNAL PRESSURE COEFFICIENT = ± 0.18
 - F. WIND DESIGN PRESSURES FOR COMPONENTS AND CLADDING PER **SO.1-01**
5. SEISMIC DESIGN PARAMETERS
 - A. SEISMIC IMPORTANCE FACTOR = 1.0
 - B. SEISMIC OCCUPANCY CATEGORY = II
 - C. MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION AT 0.2 SECOND PERIOD, $S_S = 12.2\%$
 - D. MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION AT 1.0 SECOND PERIOD, $S_1 = 5.9\%$
 - E. SITE CLASS = D
 - F. $SDS = 0.130g$
 - G. $SD1 = 0.094g$
 - H. SEISMIC DESIGN CATEGORY = B
 - I. BUILDING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
 - J. SEISMIC RESISTING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
 - K. RESPONSE MODIFICATION FACTOR, $R = 3.0$
 - L. DESIGN BASE SHEAR: 0.050W

COMPONENT AND CLADDING WIND PRESSURES (BASED UPON ULTIMATE WIND VELOCITY V_{ult})

ZONE	EFFECTIVE WIND AREA (SF)	POSITIVE PRESSURE (PSF)	NEGATIVE PRESSURE (PSF)
1	10	16.0	-27.6
	50	16.0	-27.6
	100	16.0	-27.6
2	10	16.0	-31.9
	50	16.0	-30.4
	100	16.0	-29.7
3	10	16.0	-38.4
	50	16.0	-36.8
	100	16.0	-36.2
4	10	16.0	-42.7
	50	16.0	-33.6
	100	16.0	-29.7
5	10	16.0	-59.9
	50	16.0	-44.8
	100	16.0	-38.4
6	10	23.3	-25.2
	50	20.9	-22.8
	100	19.8	-21.8
7	10	23.3	-31.0
	50	20.9	-26.2
	100	19.8	-26.2



STATEMENT OF SPECIAL INSPECTIONS:

1. IN ACCORDANCE WITH THE GOVERNING CODE, THE OWNER OR THE OWNER'S REPRESENTATIVE, OTHER THAN THE CONTRACTOR, IS TO EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS AND TESTS ON THE TYPES OF WORK SPECIFIED IN THE SCHEDULE BELOW. THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL. ALL SPECIAL INSPECTORS SHALL HAVE QUALIFICATIONS AS SET FORTH IN CHAPTER 17 OF THE GOVERNING CODE. ADDITIONAL INSPECTIONS MAY BE REQUIRED FOR OTHER DISCIPLINES AND ARE NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD.

ITEM	REQ'D	INSPECTION TYPE		REFERENCED STANDARD	OBC REFERENCE
		CONT.	PER.		
FABRICATORS (STRUCTURAL STEEL): (1705.2.5 OBC)					
INSPECTION AND NDE PER QUALITY ASSURANCE REQUIREMENTS OF AISC 360	X			ANSI/AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS	1704.2.5.1
STRUCTURAL LOAD BEARING MEMBERS		PER REF. STD.		"	"
STRUCTURAL LOAD BEARING ASSEMBLIES		PER REF. STD.		"	"
STEEL CONSTRUCTION: (1705.2 OBC)					
INSPECTION AND NDE PER QUALITY ASSURANCE REQUIREMENTS OF AISC 360	X			ANSI/AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS	1705.2.1
HIGH STRENGTH BOLTS		PER REF. STD.		"	"
STRUCTURAL STEEL MATERIALS		PER REF. STD.		"	"
STRUCTURAL STEEL WELDING		PER REF. STD.		"	"
STRUCTURAL STEEL FRAME JOINT DETAILS		PER REF. STD.		"	"
COLD-FORMED STEEL DECK: (1705.2.2 OBC)					
SPECIAL INSPECTIONS AND QUALIFICATION OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QA/QC.	X	PER REF. STD.		ANSI/DECK INSTITUTE QA/QC - 2017 STANDARD FOR QUALITY CONTROL AND QUALITY ASSURANCE FOR INSTALLATION OF STEEL DECK- SECTIONS 3.4, 6.7, AND APPENDIX 1	1705.2.2
WOOD CONSTRUCTION					
PREFABRICATED WOOD STRUCTURAL ELEMENTS	X			-	1705.5, 1704.2.5
WALL AND ROOF DIAPHRAGMS - WOOD STRUCTURAL PANELS GRADE AND THICKNESS		X		-	1705.5.1
WALL AND ROOF DIAPHRAGMS - FRAMING MEMBERS AT ADJOINING PANEL EDGES		X		-	"
WALL AND ROOF DIAPHRAGMS - FASTENER TYPE, SIZE AND SPACING		X		-	"
FOR METAL PLATE CONNECTED WOOD TRUSSES SPANNING 60' OR MORE, INSPECT TEMPORARY RESTRAINT/BRACING PER APPROVED TRUSS DRAWINGS		X		-	1705.5.2
FOR METAL PLATE CONNECTED WOOD TRUSSES SPANNING 60' OR MORE, INSPECT PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING INSTALLATION PER APPROVED TRUSS DRAWINGS		X		-	"
FOR METAL PLATE CONNECTED WOOD TRUSSES SPANNING 60' OR MORE, INSPECT FASTENERS AND CONNECTORS		X		-	"
ENSURE JOBSITE PACKAGE AND SUBMITTAL PACKAGE AS DESCRIBED IN PREFABRICATED WOOD TRUSS SPECIFICATIONS ARE DELIVERED WITH THE TRUSSES AND AVAILABLE ON THE JOBSITE DURING INSTALLATION OF THE TRUSSES.		X		-	"
MASONRY CONSTRUCTION					
SPECIAL INSPECTION TESTING PER THE QUALITY ASSURANCE REQUIREMENTS OF TMS 402/602-16 LEVEL 2	X	PER REF. STD.		TMS 402 3.1 AND TMS 602-16 1.6; TMS 602 TABLE 4 LEVEL 2 REQUIREMENTS	1705.4
CONCRETE CONSTRUCTION					
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS INCLUDING PLACEMENT VERIFICATION		X		ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1705.3
VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A-706		X		AWS D1.4 AND ACI 318: 26.6.4	"
INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"		X		"	"
INSPECT ALL OTHER WELDS		X		"	"
INSPECT ANCHORS CAST IN CONCRETE		X		ACI 318: 17.8.2	"
ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS		X		ACI 318: 17.8.2.4	"
MECHANICAL ANCHORS AND ADHESIVE ANCHORS OTHER THAN THOSE DEFINED ABOVE		-	X	ACI 318: 17.8.2	"
VERIFY USE OF REQUIRED DESIGN MIX		-	X	ACI 318: CH. 19 AND 26.4.3, 26.4.4	1904.1, 1904.2
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF CONCRETE		X		ASTM C 172, ASTM C 31, ACI 318: 26.5, 26.12	1705.3
INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		X		ACI 318: 26.5	"
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		-	X	ACI 318: 26.5.3 - 26.5.5	"
INSPECT PRECAST CONCRETE FOR APPLICATION OF PRESTRESSING FORCES		X		ACI 318: 26.10	"
INSPECT PRECAST CONCRETE FOR GROUTING OF BONDED PRESTRESSING TENDONS		X		"	"
INSPECT ERECTION OF PRECAST CONCRETE MEMBERS		-	X	ACI 318: 26.9	"
VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		-	X	ACI 318: 26.11.2	"
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		-	X	ACI 318: 26.11.1.2(b)	"
SOILS					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		-	X	PROJECT GEOTECHNICAL REPORT	1705.6
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		-	X	"	"
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		-	X	"	"
VERIFY USE OF PROPER MATERIALS, DENSITIES, PROCEDURES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.		X		"	"
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		-	X	"	"



STRUCTURAL GENERAL NOTES

IMPROVEMENTS
HICKORY WOODS PARK
1271 POLLOCK ROAD
DELAWARE, OH 43015

PREPARED FOR:
PRESENTATION PARKS OF DELAWARE COUNTY
2656 HOGBACK ROAD
SUNBURY, OH 43074

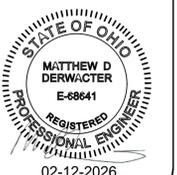
schorr architects inc. 230 Bradenton Ave.
Dublin, OH 43017
(614) 798-2096

PERMIT/BID: 02.12.2026

CD SET: 01.26.2026

COMM. NO.: 2522

SO.1



GENERAL NOTES:

- ANY CHANGES MADE TO THE DESIGN IDENTIFIED ON THESE DRAWINGS AND/OR ASSOCIATED SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO MAKING ANY MODIFICATIONS TO THE PROJECT. ANY LIABILITY AS A RESULT OF DESIGN MODIFICATIONS, AS WELL AS ANY COSTS ASSOCIATED WITH SUCH MODIFICATIONS, MADE WITHOUT THE WRITTEN APPROVAL OF ENGINEER OF RECORD SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS, DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIEDOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ENGINEER HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR WHICH MAY CONTAIN INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES.
- IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE CONSTRUCTION.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN AS DETERMINED BY THE ENGINEER.
- DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.
- ALL SUBMITTALS AND SHOP DRAWINGS SHALL BE REVIEWED AND COORDINATED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ARCHITECT AND ENGINEER OF RECORD. SUBMITTALS NOT BEARING THE CONTRACTOR'S REVIEW STAMP WILL BE RETURNED WITHOUT REVIEW. THE ENGINEER'S REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN INTENT ONLY AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, COORDINATION, OR COMPLIANCE WITH CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL ELEMENTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SYSTEMS. CONFLICTS BETWEEN TRADES SHALL BE IDENTIFIED AND RESOLVED PRIOR TO FABRICATION OR INSTALLATION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND NOTIFY THE ARCHITECT AND ENGINEER OF RECORD OF ANY DISCREPANCIES.

USE OF THESE DOCUMENTS:

- THESE DOCUMENTS SHALL NOT BE REPRODUCED IN ANY MANNER FOR THE PRODUCTION OF FABRICATION OR ERECTION SUBMITTALS. REPRODUCTION OF THESE DOCUMENTS IN THAT MANNER CONSTITUTES COPYRIGHT INFRINGEMENT. ANY DOCUMENTS SUBMITTED FOR REVIEW THAT CONTAIN ANY IMAGE, SKETCH, DETAIL, ETC. FROM THESE DOCUMENTS WILL BE REJECTED.
- ELECTRONIC VERSIONS OF THESE DOCUMENTS ARE THE PROPERTY OF DERWACTER & ASSOCIATES, LLC. ELECTRONIC OR CAD FILES WILL NOT BE MADE AVAILABLE FOR CONSTRUCTION PURPOSES.

REINFORCED CONCRETE:

- MATERIALS:
 - SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE".
- FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.
- CONTINGENCIES: PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT OF SCHEDULED REINFORCING. SUCH SUPPORTS ARE TO BE REFLECTED IN THE BID. THE USE OF CLAY BRICK IS NOT ACCEPTABLE.
- FOOTINGS:
 - DOWELS IN FOOTINGS TO MATCH SIZE AND SPACING OF VERTICAL WALL REINFORCING.
 - PROVIDE CONTROLLED LOW-STRENGTH MATERIAL (CLSM) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND TRENCHES.
- CONSTRUCTION JOINTS:
 - PROVIDE CONSTRUCTION JOINTS AT ALL POUR STOP LOCATIONS. ALL CONSTRUCTION JOINTS ARE TO BE DOWELED, USE 3/4" SMOOTH DOWELS 1'-0" LONG EMBEDDED 6" EACH SIDE GREASE ONE END OR PROVIDE SLEEVE, UNLESS WHERE NOTED OTHERWISE ON DRAWINGS.
- TOLERANCES FOR EMBEDDED ITEMS SHALL CONFORM TO AISC 303, ACI 117 AND THE CHART BELOW, WITH THE MOST STRINGENT CRITERIA CONTROLLING.

TOLERANCES	
ITEM	TOLERANCE
DIMENSION BETWEEN CENTERS OF ANY TWO ANCHOR RODS IN A GROUP	<= 1/8"
DIMENSIONS BETWEEN CENTERS OF ADJACENT ANCHOR ROD GROUPS	<= 1/4"
ELEVATION OF TOPS OF ANCHOR RODS	+/- 1/2"
ACCUMULATED VARIATION BETWEEN CENTERS OF ANCHOR ROD GROUPS	<= 1/4" PER 100'; 1" MAXIMUM
VARIATION IN DIMENSION FROM CENTER OF ANCHOR GROUP TO COLUMN / BUILDING LINE	<= 1/4"
CENTERLINE OF INDIVIDUAL ANCHOR RODS FROM SPECIFIED LOCATION	3/4" AND 7/8" DIA. BOLTS: +/- 1/4" 1", 1 1/4", AND 1 1/2" DIA. BOLTS: +/- 3/8" 1 3/4", 2", AND 2 1/2" DIA. BOLTS: +/- 1/2"
POSITION OF BASE PLATE HOLES	+/- 1/8"
TOP OF CONCRETE FOUNDATIONS	+1/2", -2"
TOP SURFACE OF DRILLED PIERS	+1", -3"
ELEVATION OF BEARING DEVICES - SHOP ATTACHED BASE AND BEARING PLATES, LOOSE BASE AND BEARING PLATES, LEVELING NUTS AND WASHERS, LEVELING SCREWS, AND TOPS OF CONCRETE PIERS	+/- 1/8"

REINFORCING FOR CONCRETE:

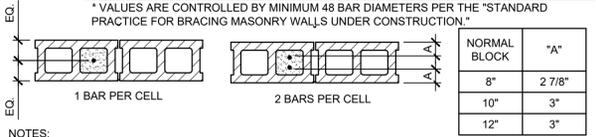
- REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60 OR ASTM A706, UNLESS NOTED OTHERWISE. ALL WELDED REINFORCING BARS SHALL CONFORM TO ASTM A706.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 (SHEETS FORM, NOT ROLLED).
- MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
 - UNFORMED SURFACE IN CONTACT WITH THE GROUND: 3 IN.
 - FORMED SURFACES EXPOSED TO EARTH OR WEATHER:
 - #6 BARS AND LARGER: 2 IN.
 - #5 BARS AND SMALLER: 1 1/2 IN.
- LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE.

BAR SIZE	CLASS B SPLICE		COMPRESSION SPLICE	
	LAP LENGTH (INCHES)	BAR SIZE	LAP LENGTH (INCHES)	BAR SIZE
#3	22	#8	72	30
#4	29	#9	81	34
#5	36	#10	89	38
#6	43	#11	98	42
#7	63			
- COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
- BASE PLATES, ANCHOR RODS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" OF CONCRETE.

REINFORCED MASONRY (CMU):

- UNLESS OTHERWISE NOTED MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS TMS 602-16 SPECIFICATION FOR MASONRY STRUCTURES.
- REINFORCED MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH, f_m , OF 2000 PSI. MASONRY UNITS SHALL BE NORMAL WEIGHT BLOCK CONFORMING TO ASTM C90, AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI. MORTAR SHALL CONFORM TO ASTM C270, TYPE S. MINIMUM GROUT COMPRESSIVE STRENGTH SHALL EQUAL OR EXCEED f_m , BUT NOT BE LESS THAN 2500 PSI. MASONRY GROUT SHALL COMPLY WITH ASTM C476.
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE HOT DIPPED GALVANIZED, LADDER TYPE FORMED FROM 9 GAUGE COLD - DRAWN STEEL WIRE COMPLYING WITH ASTM A82. JOINT REINFORCING SHALL BE SPACED AT 16" O.C. VERTICALLY IN ALL MASONRY WALLS AND PIERS, U.N.O.
- FOR VERTICAL CONTROL JOINTS IN MASONRY WALLS SEE SEPARATE NOTES THIS SHEET.
- ALL REINFORCED CELLS, ALL CELLS BELOW GRADE AND ALL CELLS BELOW FINISH FLOOR SHALL BE GROUTED SOLID.
- AT VERTICAL REINFORCING LOCATIONS, PROVIDE DOWEL FROM FOOTING TO MATCH SIZE AND SPACING OF VERTICAL WALL REINFORCING. DOWELS SHALL BE EMBEDDED INTO THE FOOTING MINIMUM 6" INCHES AND SHALL HAVE A 90 DEGREE STANDARD HOOK.
- WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL. DOWELS MAY BE GROUTED INTO A CELL IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN A CELL ADJACENT TO THE VERTICAL WALL REINFORCING.
- GROUT SHALL COMPLY WITH ASTM C476 MASONRY GROUT MIXTURES.
- GROUTING SHALL CONFORM TO THE REQUIREMENTS OF NCMA TEK 03-02A PROVISIONS FOR GROUTING WITHOUT CLEANOUTS - "LOW LIFT GROUTING".
- REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE GROUTING STARTS.
- ALL REINFORCING LAP SPLICES SHALL BE IN ACCORDANCE WITH THE MASONRY REINFORCING LAP SPLICE LENGTH SCHEDULE, U.N.O. SPLICE VERTICAL SHALL BE WIRED TOGETHER. LAP SPLICES BETWEEN ADJACENT BARS SHALL BE STAGGERED A MINIMUM OF 24 BAR DIAMETERS.
- VERTICAL BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AS REQUIRED TO PREVENT REINFORCING BAR MOVEMENT DURING GROUTING.
- VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4 OF AN INCH FROM THE MASONRY AND NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS.
- VERTICAL CELLS THAT WILL BE GROUTED SHALL HAVE A VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 3"x4".
- GROUT SHALL BE PLACED IN LIFTS NOT TO EXCEED 5 FEET.
- GROUTING SHALL BE STOPPED 1 1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE FOUR JOINT.
- GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
- ALL BOLTS, ANCHORS, ETC., INSERTED IN THE WALLS, SHALL BE GROUTED SOLID INTO POSITION. CELLS AT ANCHOR LOCATIONS SHALL BE GROUTED TO MINIMUM 6" ABOVE AND 6" BELOW THE CENTERLINE OF THE ANCHOR.
- PROVIDE OPEN END BLOCKS FOR SOLID HEAD JOINTS ADJACENT TO PROPOSED EPOXY ANCHOR LOCATIONS SHOWN PER PLAN AND SECTION.
- SUBMITTALS: SUBMIT THE FOLLOWING FOR ITEMS SPECIFIED IN THE STRUCTURAL DRAWINGS FOR REVIEW BY THE ENGINEER:
 - MORTAR: MIX DESIGNS INDICATING TYPE AND PROPORTIONS OF INGREDIENTS IN COMPLIANCE WITH THE PROPORTION SPECIFICATIONS OF ASTM C270 OR MIX DESIGNS AND MORTAR TESTS PERFORMED IN ACCORDANCE WITH THE PROPERTY SPECIFICATION OF ASTM C270
 - GROUT: MIX DESIGNS INDICATING TYPE AND PROPORTIONS OF THE INGREDIENTS ACCORDING TO THE PROPORTION REQUIREMENTS OF ASTM C476 OR MIX DESIGNS AND GROUT STRENGTH TEST PERFORMED IN ACCORDANCE WITH ASTM C476 OR COMPRESSIVE STRENGTH TESTS PERFORMED IN ACCORDANCE WITH ASTM C1019, AND SLUMP FLOW AND VISIBLE STABILITY INDEX AS DETERMINED BY ASTM C1611
 - MATERIAL CERTIFICATES FOR THE FOLLOWING CERTIFYING EACH MATERIAL IS IN COMPLIANCE:
 - REINFORCEMENT
 - ANCHORS, TIES, FASTENERS AND METAL ACCESSORIES
 - MASONRY UNITS
 - MORTAR AND GROUT MATERIALS
 - CONSTRUCTION PROCEDURES:
 - COLD WEATHER CONSTRUCTION PROCEDURES
 - HOT WEATHER CONSTRUCTION PROCEDURES

BLOCK SIZE	6"		8"		12"	
	1 BAR PER CELL	2 BARS PER CELL	1 BAR PER CELL	2 BARS PER CELL	1 BAR PER CELL	2 BARS PER CELL
#3	18"	18"	18"	18"	18"	18"
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	30"	30"	30"
#6	53"	37"	54"	36"	54"	54"
#7	-	52"	63"	42"	63"	63"
#8	-	72"	72"	50"	72"	72"
#9	-	-	82"	64"	82"	82"



- NOTES:
- REINFORCEMENT LAPS SHALL OCCUR ABOVE THE FLOOR LINE, WHERE LARGER BAR SIZE SHALL EXTEND FROM WALL BELOW.
 - TOLERANCES FOR PLACEMENT OF VERTICAL REINFORCING IS +/- 1/2 INCH.
 - FOLLOW TABLE FOR EDGE DISTANCES UNLESS NOTED OTHERWISE ON DETAILS.
 - SECURE REINFORCING IN PLATE TO PREVENT DISPLACEMENT BY CONSTRUCTION LOADS OR BY PLACEMENT OF GROUT.
 - REBAR LAP SPLICES AS NOTED IN SCHEDULE.
 - FOR 6" BLOCK, JOINT MORTAR FINIS SHALL BE REMOVED FROM CELLS FOR PLACEMENT OF #6 OR #8 BARS.
 - CONTRACTOR MAY ELECT TO PROVIDE MECHANICAL REINFORCEMENT SPLICES TO MINIMIZE CONGESTION OF VERTICAL BARS. MECHANICAL COUPLERS SHALL BE FABRICATED BY LENTON OR APPROVED EQUAL AND DEVELOP 125% OF REINFORCEMENT STRENGTH.

STRUCTURAL LUMBER:

- SPECIFICATIONS AND STANDARDS: DESIGN AND DETAILING OF WOOD FRAMING AND CONNECTIONS SHALL CONFORM TO THE CURRENT EDITION OF THE GOVERNING BUILDING CODE AND THE EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" ISSUED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION REFERENCED THERE-IN.
- MATERIALS: THE MATERIALS USED FOR THE WORK OF THIS PROJECT ARE TO COMPLY WITH THE MINIMUM STANDARDS OF QUALITY LISTED BELOW, UNLESS SPECIFICALLY NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

MINIMUM STRUCTURAL PROPERTIES FOR DIMENSIONAL LUMBER				
LOCATION	SIZE	STRUCTURAL PROPERTIES		
		Fb (psi)	Fv (psi)	E (ksi)
ALL	2x4	1100	175	1400
	2x6	1000	175	1400
	2x8	925	175	1600
	2x10	1050	175	1600
	2x12	1000	175	1600

- ALL STRUCTURAL LUMBER SHALL BE KILN DRIED TO A MAXIMUM MOISTURE CONTENT OF 15%.
- ALL WOOD MEMBERS EXPOSED TO THE ELEMENTS SHALL BE PRESERVATIVE PRESURE TREATED.
- ALL WOOD MEMBERS SECURED TO OR PLACED AGAINST CONCRETE, MASONRY, AND/OR EARTH ARE TO BE PRESERVATIVE PRESURE TREATED FOR GROUND CONTACT.
- STRUCTURAL WOOD MEMBERS ARE NOT TO BE CUT, COPE, OR MODIFIED, OTHER THAN CUTTING TO LENGTH OR MAKING PROVISIONS FOR FASTENERS. MAKE ALL CUTS TRUE AND SQUARE FOR FULL BEARING AT STRUCTURAL JOINTS.
- THE CONTRACTOR SHALL SUBMIT PRODUCT DATA TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION INDICATING COMPLIANCE WITH THIS SECTION.

STRUCTURAL STEEL:

- MATERIALS:
 - STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A992, $F_y = 50$ KSI
 - STRUCTURAL STEEL CHANNELS: ASTM A992
 - ANGLES, PLATES: ASTM A572, $F_y = 50$ KSI
 - STRUCTURAL TUBING (INCLUDES SQUARE, RECTANGULAR AND ROUND SECTIONS): ASTM A500, GRADE C, $F_y = 50$ KSI
 - HIGH STRENGTH BOLTS: ASTM A325 UNLESS NOTED OTHERWISE
 - ANCHOR RODS: ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE. GALVANIZE IN EXTERIOR WALLS AND EXTERIOR LOCATIONS.
 - STEEL STUDS: ASTM A108, $F_y = 60$ KSI
 - DEFORMED BAR ANCHORS: ASTM A496, $F_y = 70$ KSI
 - ELECTRODES: SERIES E70
 - SPECIFICATIONS
- WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, THE DESIGN FABRICATION AND ERECTION IS TO BE GOVERNED BY THE LATEST REVISION OF:
 - AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS
 - AWS CODE OF STANDARD PRACTICE
 - STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY
 - SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS
- SUBMITTALS
 - SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL WHICH INCLUDE ERECTION PLANS, CONNECTIONS, HOLES, THREADED FASTENER TYPES AND FINISHES.
 - SUBMITTALS MUST BE THE ORIGINAL WORK OF THE FABRICATOR OR DETAILER. ELECTRONIC REPRODUCTIONS OF THESE DOCUMENTS WILL NOT BE REVIEWED. ANY DELAY CREATED BY THE FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 - THE SUBMITTAL MUST INCLUDE ALL REQUIRED FIELD VERIFICATION OF DETAILS AND DIMENSIONS.
 - INDICATE MATERIAL SPECIFICATIONS, STRENGTHS AND FINISHES.
- CONNECTIONS:
 - FIELD CONNECTIONS ARE TO BE BOLTED, EXCEPT AS INDICATED OTHERWISE. SHOP CONNECTIONS MAY BE EITHER WELDED OR BOLTED.
 - CONNECTIONS ARE TO BE DETAILED AS SHOWN IN THE STRUCTURAL DRAWINGS OR PER THE FABRICATOR STANDARDS WITH PRIOR APPROVAL. WHERE CONNECTIONS ARE NOT SHOWN, THEY SHALL BE DESIGNED BY THE FABRICATOR'S ENGINEER TO DEVELOP 100% OF THE MEMBER CAPACITY, THE FORCES SHOWN ON THE PLANS, OR AS APPROVED BY THE ENGINEER.
- COATINGS:
 - DO NOT PAINT STEEL OR ANCHOR RODS WHICH WILL BE ENCASED IN 3" MINIMUM OF CONCRETE OR ANY STEEL WHICH IS TO RECEIVE SPRAY-APPLIED OR INTUMESCENT FIREPROOFING.
 - HOT-DIP GALVANIZE ALL LINTELS AND SHELF ANGLES.
 - PROVIDE A FIELD-APPLIED COAT OF ASPHALTIC MASTIC FOR ANY BELOW GRADE STEEL, NOT COVERED BY 3" OF CONCRETE OR MASONRY GROUT, INCLUDING BASE PLATES AND ANCHOR RODS.
 - REFER TO THE ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR ALL OTHER COATING REQUIREMENTS.

STEEL DECK:

- STEEL DECK SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE "SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK" (LATEST EDITION).
- STEEL DECK SHALL BE CONFIGURATION, DEPTH AND MINIMUM GAUGE AS SHOWN ON THE DRAWINGS. ATTACHMENT TO THE SUPPORTING STRUCTURE SHALL BE AS SHOWN ON THE DRAWINGS. SEE FRAMING PLAN NOTES.
- DO NOT HANG OR SUPPORT ANY LOADS FROM STEEL DECK.
- STEEL DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPANS. DECK WITH A THICKNESS OF 20G OR LESS SHALL BE CONTINUOUS FOR A MINIMUM OF TWO SPANS ADJACENT TO JOIST BAYS WITH OPENINGS.
- DECK ENDS SHALL BE LAPPED A MINIMUM OF 2". BUTTED ENDS ARE NOT PERMITTED.
- E60XX WELDING ELECTRODES SHALL BE USED WHEN WELDING STEEL DECK.



STRUCTURAL GENERAL NOTES

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1271 POLLOCK ROAD
DELAWARE, OH 43015

PREPARED FOR:
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2656 HOGBACK ROAD
SUNBURY, OH 43074

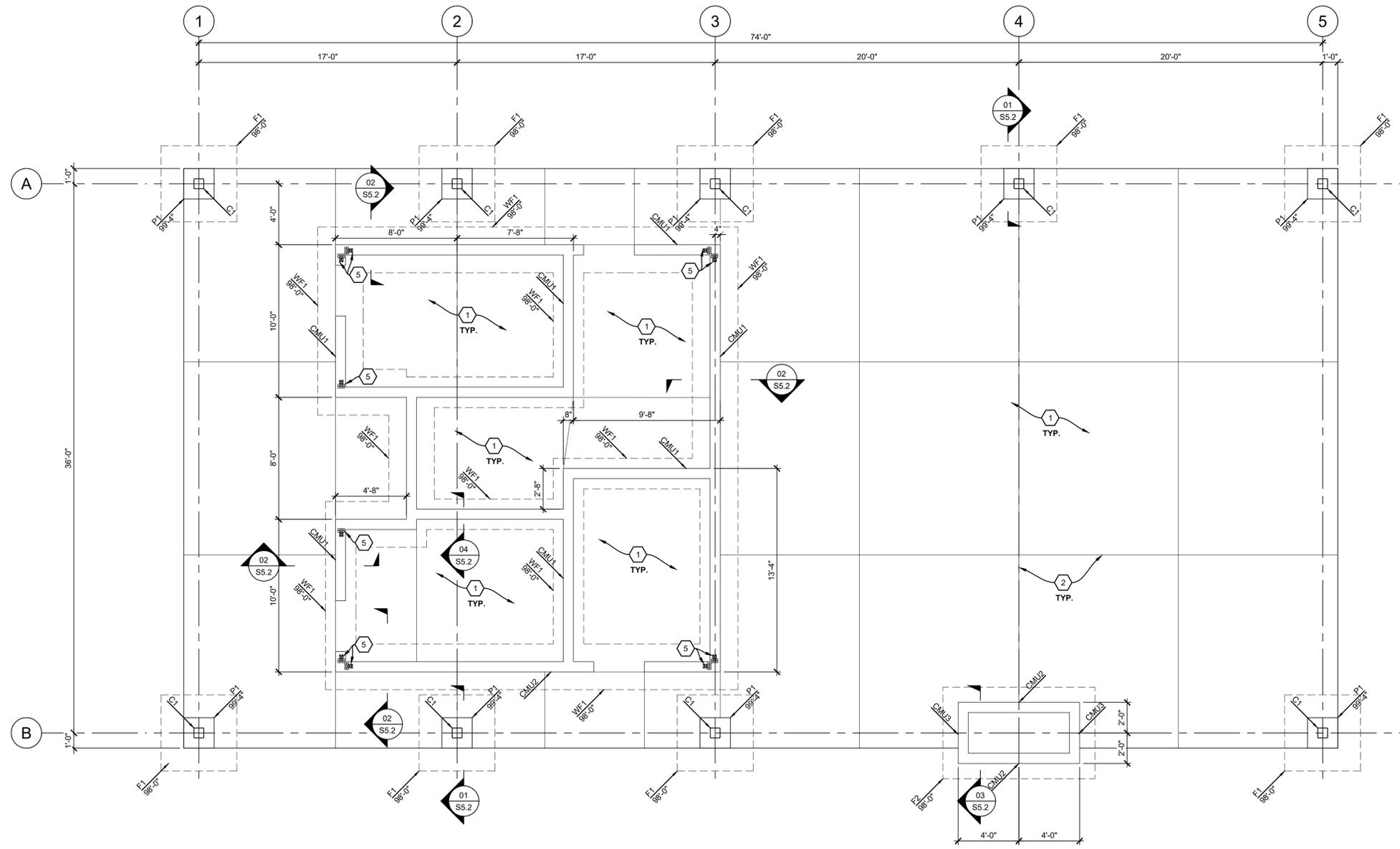


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SO.2



LEGEND

COL. MARK
PIER MARK
FTG. MARK
WALL MARK

FOOTING STEP LOCATION, SEE S5.1-03

100.00'

TOP OF SLAB ELEVATION

COLUMN, PIER, AND COLUMN FOOTING

CONTINUOUS FOOTING

FOUNDATION PLAN NOTES

A	SEE SHEETS S0.1 AND S0.2 FOR GENERAL NOTES.
B	ALL ELEVATIONS ARE RELATIVE TO A FINISH FIRST FLOOR ELEVATION OF 100'-0" (REFERENCE ONLY).
C	COORDINATE DOOR OPENINGS AND STOOP LOCATIONS WITH ARCH. DRAWINGS.
D	SEE DETAIL S5.1-01 FOR TYPICAL REINFORCING DETAILING.
E	SEE DETAIL S5.1-02 FOR TYPICAL REINFORCING AT FOOTING CORNERS AND INTERSECTIONS.
F	STEPS IN FOOTING AS REQUIRED TO MAINTAIN FROST DEPTH. SEE S5.1-03 FOR TYPICAL DETAIL.
G	SEE DETAIL S5.1-05 FOR RE-ENTRANT SLAB REINFORCING, TYP. AT SLAB PENETRATIONS, DOOR OPENINGS, ETC.
H	SEE DETAIL S5.1-06 FOR TYPICAL PIPE PENETRATIONS THROUGH FOUNDATIONS.
I	DIMENSIONS SHOWN FROM OUTSIDE FACE OF FOUNDATION WALL OR CENTER LINE OF COLUMNS, U.N.O. COORDINATE WITH ARCH. DRAWINGS.

KEYED NOTES

#	DESCRIPTION
1	4" CONCRETE SLAB ON GROUND REINFORCED w/WWR 6x6-W1.4xW1.4 ON 15 MIL. VAPOR BARRIER OVER 6" FREE DRAINING COMPACTED GRANULAR BASE. TOP OF SLAB AT 100'-0".
2	SLAB CONTROL AND/OR CONSTRUCTION JOINTS, LOCATE AS SHOWN, SEE S5.1-04 FOR DETAILS.
3	SUPPLEMENTAL SLAB REINFORCING, SEE S5.1-05 FOR DETAILS. FIELD VERIFY ALL LOCATIONS WHERE REINFORCING IS REQUIRED AS ILLUSTRATED IN THE DETAIL.
4	8" CMU FOUNDATION WALL, REINF. WITH #5 DOWELS AT 32" O.C.
5	SIMPSON DTTZZ HOLD-DOWN w/ 1/2" Ø SIMPSON TITEN-HD SCREW ANCHOR EMBEDDED 4 1/2" INTO SOLID GROUTED MASONRY.

PIER SCHEDULE

MARK	SIZE	REINFORCING *
P1	2'-0" x 2'-0"	(8) #6 VERTICAL BARS w/ #4 TIES

* SEE DETAIL S5.1-10 FOR PLAN LAYOUT AND REINFORCING PLACEMENT.

CONTINUOUS WALL FOOTING SCHEDULE

MARK	SIZE (WxLxH)	REINFORCING	
		CONTINUOUS	TRANSVERSE
WF1	2'-0" x CONT. x 1'-4"	(3) #5 BARS BOTTOM	N/A
WF2	3'-0" x CONT. x 1'-4"	(3) #5 BARS BOTTOM	N/A

COLUMN FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F1	5'-0" x 5'-0" x 1'-4"	(5) #5 BARS E.W. BOTTOM
F2	6'-0" x 10'-0" x 1'-4"	#5 BARS 12" O.C. E.W. BOTTOM

CMU WALL SCHEDULE

MARK	NOMINAL WIDTH	REINFORCING	
		VERTICAL*	HORIZONTAL**
CMU1	8"	#5 BARS AT 32" CENTERED	N/A
CMU2	8"	#5 BARS AT 16" CENTERED	#5 AT 48" CENTERED
CMU3	8"	#5 BARS AT 8" CENTERED	#5 AT 48" CENTERED

*REINFORCING INDICATED IS IN ADDITION TO TYPICAL REINFORCING AT JAMBS, WALL INTERSECTIONS, CONTROL JOINTS, CORNERS, ETC.

**REINFORCING INDICATED IS IN ADDITION TO HORIZONTAL JOINT REINFORCING

SEE S4.1 FOR TYPICAL MASONRY DETAILS AND LINTEL SCHEDULES

SEE ARCH. FOR TOP OF MASONRY, TYP.

PROVIDE FULL HEIGHT VERTICAL REINFORCING EA. UNOBSTRUCTED CELL ADJACENT TO BEAM BEARING.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE**		ANCHOR RODS*
		SIZE	TYPE	
C1	HSS 8x8x1/2	1 1/4" x 16 x 1'-4"	A	(4) 1" DIA.

* SEE S5.1-06 FOR TYPICAL ANCHOR ROD DETAILS.

** SEE S5.1-07 FOR TYPICAL BASE PLATE DETAILS.



FOUNDATION PLAN

IMPROVEMENTS
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1271 POLLOCK ROAD
DELAWARE, OH 43015

PREPARED FOR:
PRESENTATION PARKS OF DELAWARE COUNTY
2656 HOGBACK ROAD
SUNBURY, OH 43074



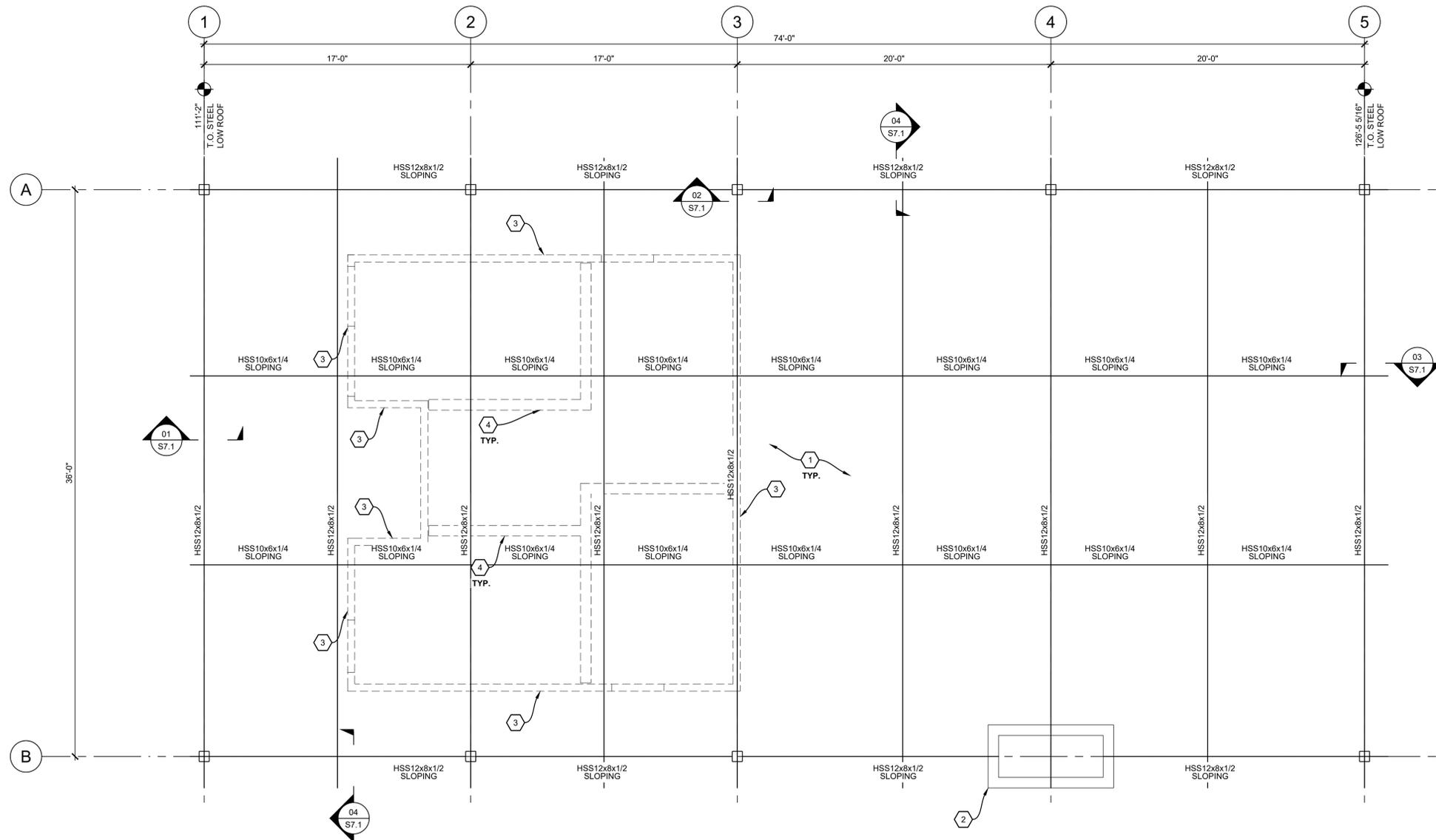
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S1.1



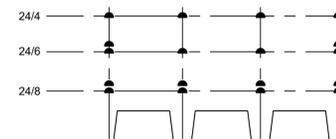


FRAMING PLAN NOTES	
A	SEE SHEETS S0.1 AND S0.2 FOR GENERAL NOTES.
B	ALL ELEVATIONS ARE RELATIVE TO A FINISH FIRST FLOOR ELEVATION OF 100'-0" (REFERENCE ONLY).
C	TOP OF STEEL (T.O. STEEL) EQUALS UNDERSIDE OF METAL DECK. BEAMS AND JOISTS AT DIFFERENT ELEVATIONS REFERENCE THEIR LOCATION +/- FROM TOP OF STEEL.
	PROVIDE 1/4" FLUSH CLOSURE PLATE SEAL WELDED ON ALL OPEN ENDED TUBE STEEL.

KEYED NOTES	
#	
1	STEEL ROOF DECK PER SCHEDULE THIS SHEET, SUPPORTING STANDING SEAM ROOF OVER PLYWOOD PER ARCH.
2	CMU PER S1.1.
3	WOOD STUD WALL SUPPORTED BY MASONRY STEM WALL, SEE FRAMING PLAN ON S3.2.
4	SEE S4.1-08 FOR BEAM BEARING.

ROOF DECK SCHEDULE					
DECK	FASTENING				
	TO TRANSVERSE SUPPORTS		TO PARALLEL SUPPORTS		SIDE LAPS BETWEEN SUPPORTS
	SIZE / TYPE	PATTERN	SIZE / TYPE	PATTERN	
N-DEK CELLULAR (25.5 CW) 20 GAUGE, 40KSI MIN., BY NEW MILLENNIUM OR APPROVED EQUAL	5/8" ARC SPOT WELDS	24/4**	5/8" ARC SPOT WELDS	6"	(8) #10 SCREWS

** 8" O.C. AT DECK ENDS/PERIMETER SUPPORT



STANDARD N DECK FASTENER PATTERNS



ROOF FRAMING PLAN

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PREPARED FOR:
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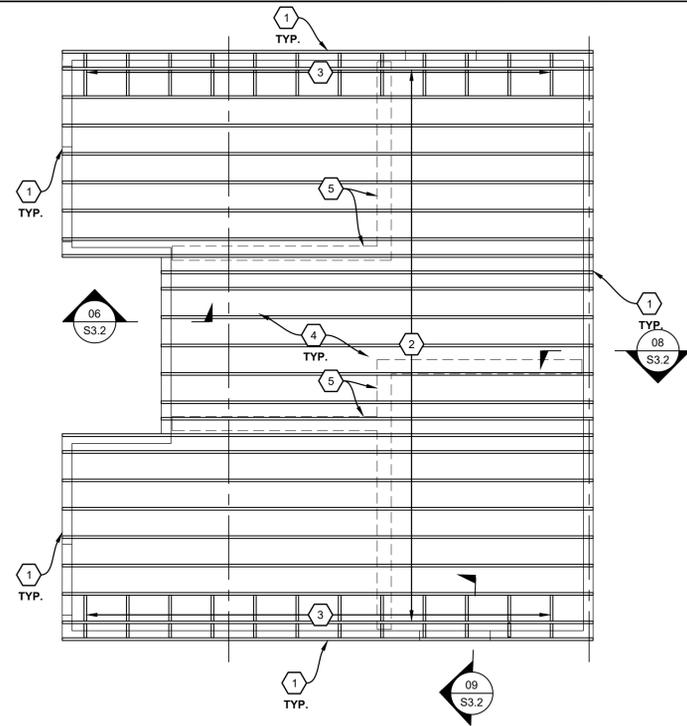
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S3.1



02-12-2026



FRAMING PLAN NOTES	
A	SEE SHEETS S0.1 AND S0.2 FOR GENERAL NOTES.
B	ALL ELEVATIONS ARE RELATIVE TO A FINISH FIRST FLOOR ELEVATION OF 100'-0" (REFERENCE ONLY).
C	COORDINATE WALL LAYOUT AND DIMENSIONS w/S1.1 AND ARCH.

CEILING SHEATHING SCHEDULE			
SHEATHING	FASTENING	FASTENING SPACING - MAX.	
		SUPPORTED PANEL EDGES	INTERMEDIATE SUPPORTS
7/16 APA RATED SHEATHING 24/16 EXPOSURE 1	NAILS - 8d COMMON (2 1/2" x 0.131")	6"	12"

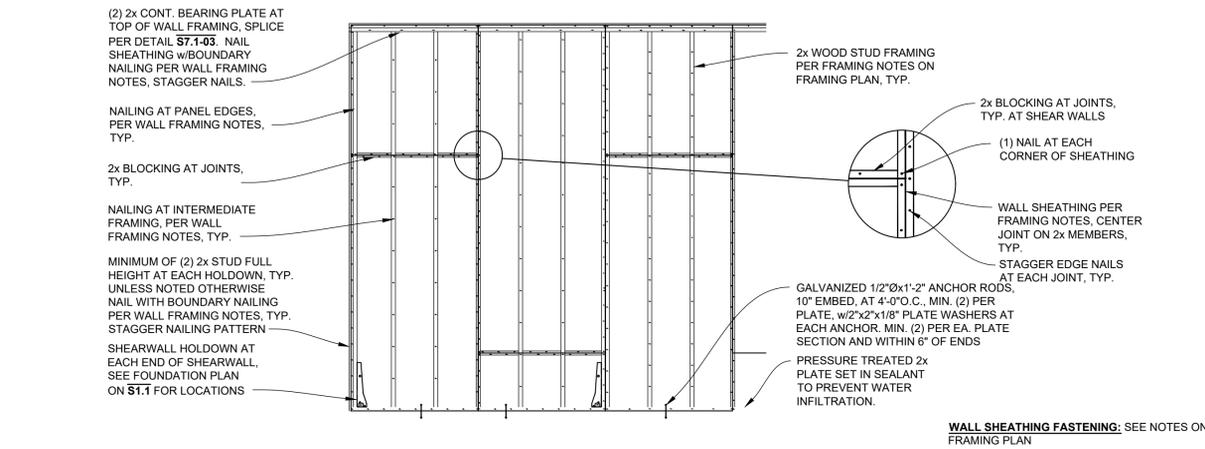
NOTE: ROOF SHEATHING SHALL BE ORIENTED WITH THE STRONG AXIS OF SHEATHING PERPENDICULAR TO THE ROOF TRUSSES AND SHALL NOT BE CUT SMALLER THAN 24" IN ANY DIRECTION. STAGGER PANEL END JOISTS.

KEYED NOTES	
#	DESCRIPTION
1	2x6 STUDS AT 16" O.C. SUPPORTED ON MASONRY STEM WALL. COORDINATE LOCATION w/FOUNDATION PLAN AND ARCH. SHEATH PER EXTERIOR WALL SHEATHING SCHEDULE THIS SHEET.
2	2x12 CEILING JOISTS SPACED 16" O.C. MAX., JOIST BEARING = 110'-0".
3	2x12 BLOCKING SPACE 2'-8.C. MAX., EXTEND 2'-0" MIN INTO CEILING OR AS REQUIRED FOR KICKER PER SECTION.
4	SHEATH TOP OF CEILING JOISTS PER CEILING SHEATHING SCHEDULE THIS SHEET.
5	MASONRY PARTITION, SEE S1.1.

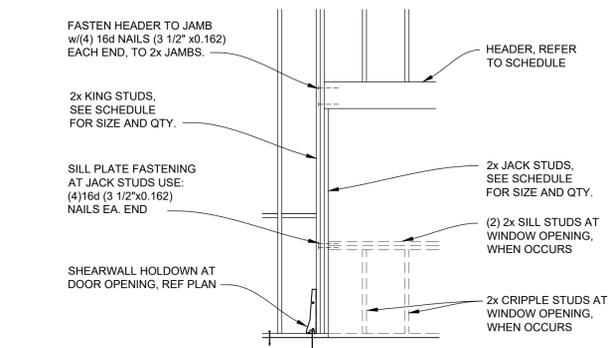
EXTERIOR WALL SHEATHING SCHEDULE		
SHEATHING	FASTENING: NAILS: 0.131" DIA. SHANK NAILS X 3 1/4"	
	MAXIMUM SPACING	
	SUPPORTED PANEL EDGES	INTERMEDIATE SUPPORTS
1 1/2" ZIP R-6 BY HUBER ENGINEERED WOODS, LCC	3"	12"

INSTALL SHEATHING PER ICC ESR-3373. SEE ARCHITECTURAL FOR MORE INFORMATION.

01 CEILING FRAMING PLAN
SCALE: 1/4" = 1'-0"

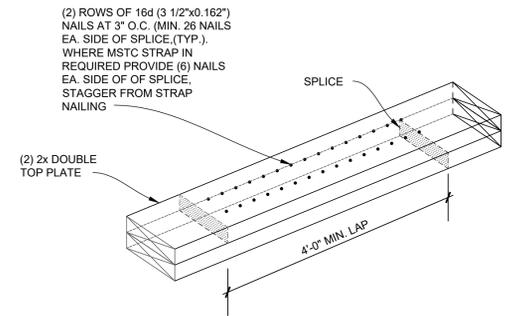


02 TYPICAL FRAMING ELEVATION AT STUD WALL FRAMING
SCALE: N/A



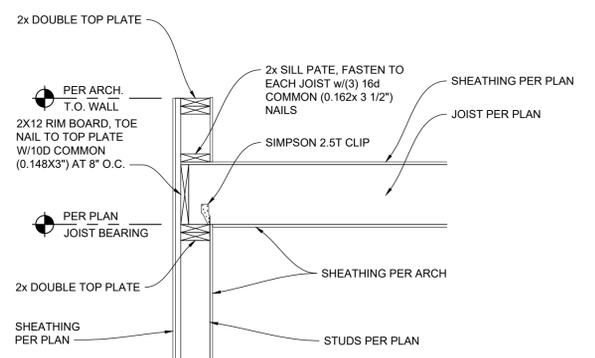
STUD WALL HEADER SCHEDULE			
ROUGH OPENING	STUD WALL HEADER		
	HEADER	JACK STUDS	KING STUDS
S <= 4'-0"	(3)2x8 WITH (2)1/2" PLYWOOD SPACERS	(1) 2x	(2) 2x

* SEE DETAIL S7.1-04 FOR HEADER SPLICE DETAIL.



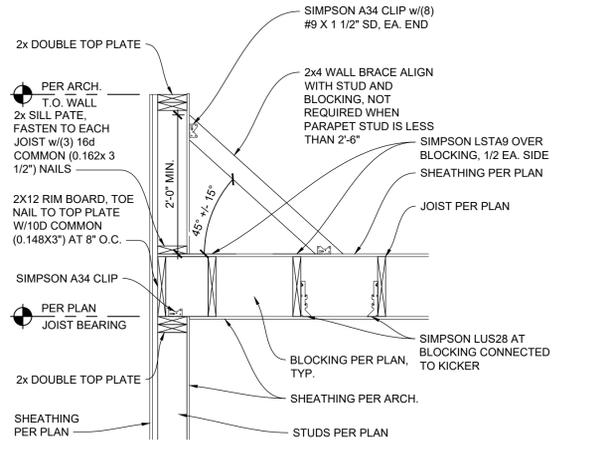
04 TOP PLATE SPLICE ISOMETRIC
SCALE: N/A

05 HEADER SPLICE ISOMETRIC
SCALE: N/A

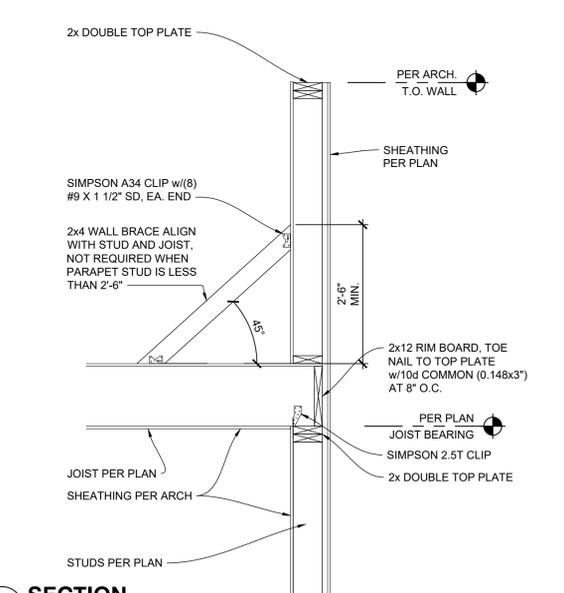


06 SECTION
SCALE: 3/4" = 1'-0"

03 FRAMING AT WALL OPENINGS
SCALE: N/A



07 SECTION
SCALE: 3/4" = 1'-0"



08 SECTION
SCALE: 3/4" = 1'-0"



RESTROOM CEILING
FRAMING PLAN AND DETAILS

IMPROVEMENTS
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DELAWARE, OH 43015

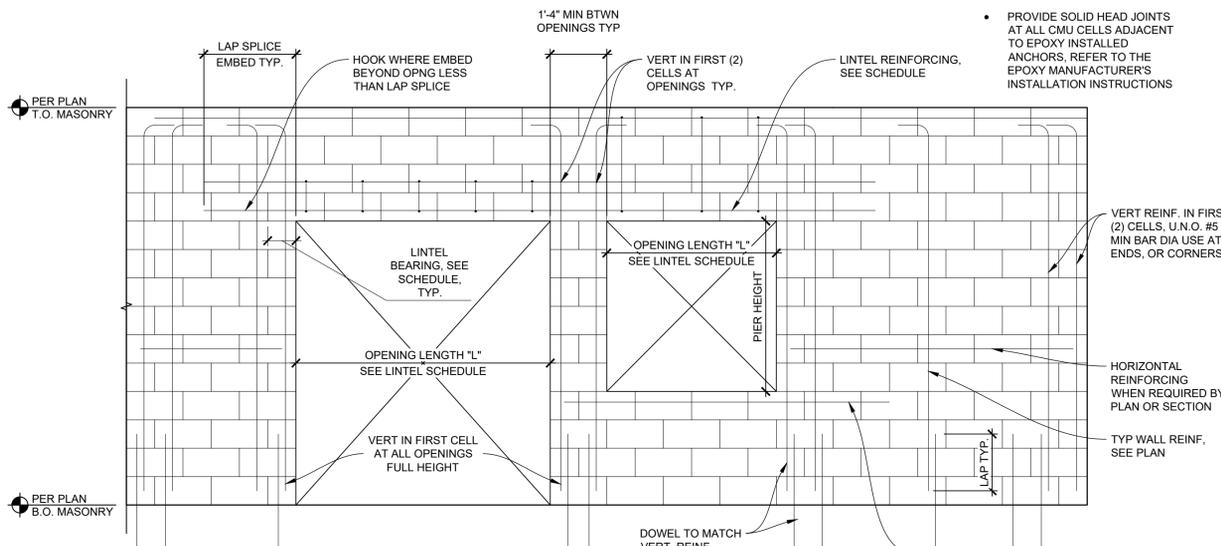
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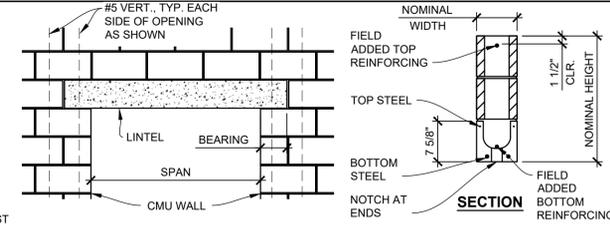
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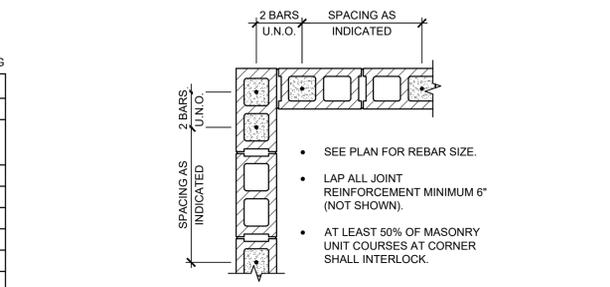
01 TYPICAL CMU WALL ELEVATION W/ OPENING
SCALE: 1/2" = 1'-0"



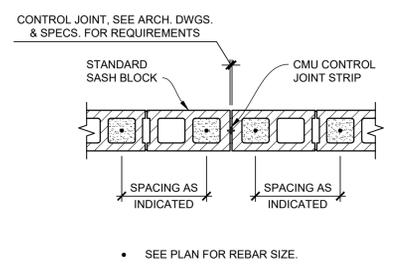
MASONRY & BRICK LINTEL SCHEDULE				
SPAN RANGE	MASONRY LINTEL			BEARING
	COMPOSITE PRECAST CONCRETE LINTEL DESIGNATION	PRECAST CONCRETE LINTEL TOP REINFORCING	PRECAST CONCRETE LINTEL BOT. REINFORCING	
S ≤ 5'-4"	8F8-0B/1T	(2) 7/32" WIRE	(2) #4 BARS	8"
5'-4" < S ≤ 7'-4"	8F8-1B/1T	(2) #3 BARS	(2) #4 BARS	8"
7'-4" < S ≤ 9'-4"	8F16-1B/1T	(2) #3 BARS	(2) #5 BARS	8"
9'-4" < S ≤ 12'-8"	8F24-1B/1T	(2) #3 BARS	(2) #5 BARS	8"
12'-8" < S ≤ 13'-4"	8F24-1B/1T	NONE	(2) 7/16" STRAND	8"

BASIS OF DESIGN IS CAST-CRETE PRECAST LINTELS, OTHERS BY APPROVAL.
SEE BELOW FOR EXPLANATION OF LINTEL DESIGNATION
LINTELS WITH A TOTAL LENGTH IN EXCESS OF 14'-0" ARE TO BE PRE-STRESSED
F=GROUT FILLED
U=UNFILLED

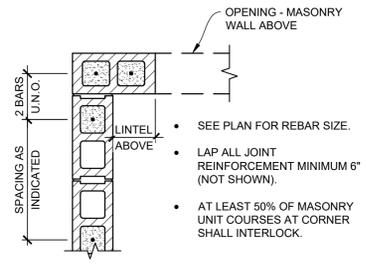
02 WALL LINTEL DETAIL AND SCHEDULE
SCALE: 1" = 1'-0"



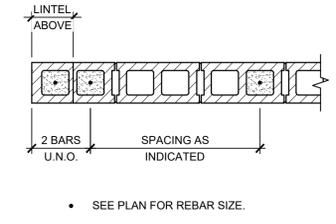
03 TYPICAL CORNER OF MASONRY WALL
SCALE: 3/4" = 1'-0"



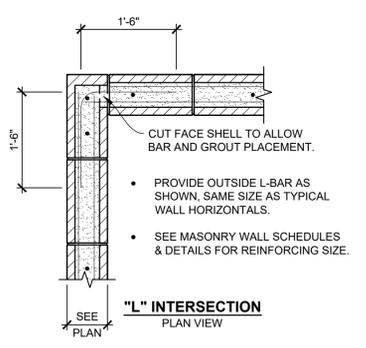
04 TYP REINF MASONRY WALL CONTROL JOINT
SCALE: 3/4" = 1'-0"



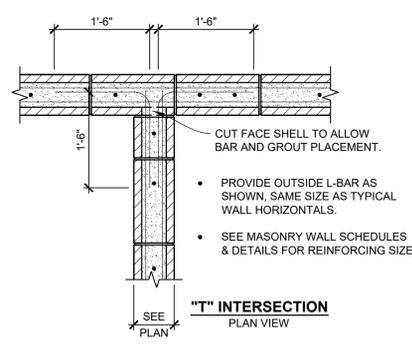
05 TYPICAL JAMB AT CORNER OF MASONRY WALL
SCALE: 3/4" = 1'-0"



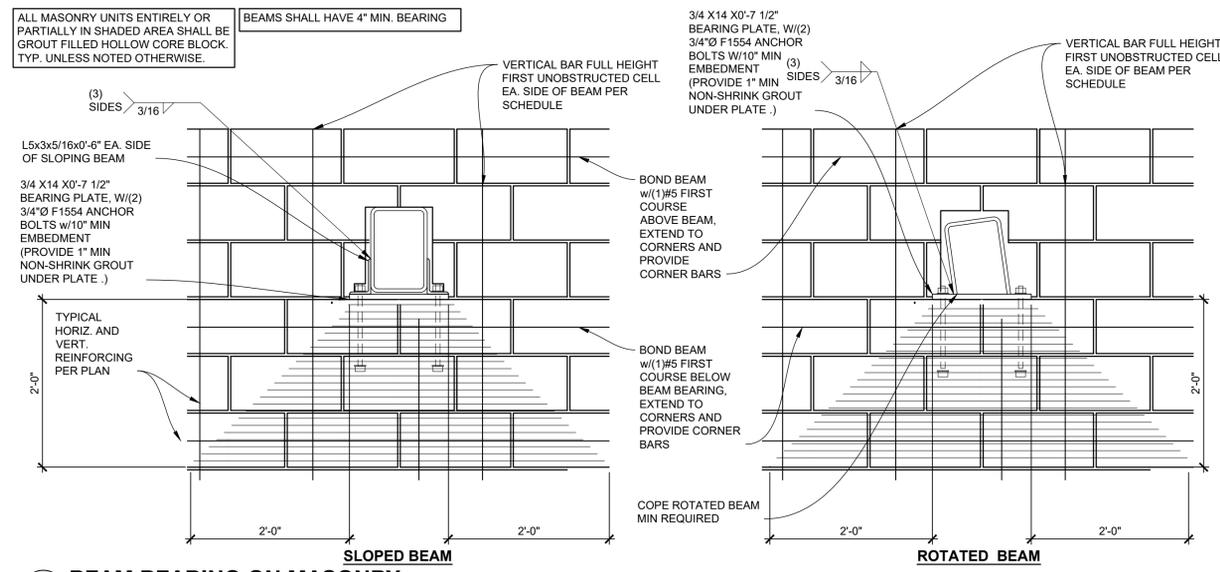
06 TYPICAL MASONRY JAMB DETAIL
SCALE: 3/4" = 1'-0"



07 TYPICAL BOND BEAM WALL INTERSECTIONS
SCALE: 3/4" = 1'-0"



08 BEAM BEARING ON MASONRY
SCALE: 1" = 1'-0"



08 BEAM BEARING ON MASONRY
SCALE: 1" = 1'-0"



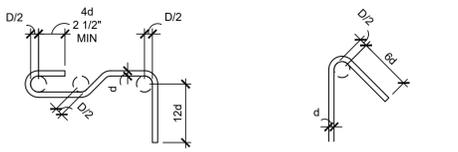
TYPICAL WALL DETAILS
IMPROVEMENTS HICKORY WOODS PARK
1271 POLLOCK ROAD
DELAWARE, OH 43015
PREPARED FOR:
PRESENTATION PARKS OF DELAWARE COUNTY
2656 HOGBACK ROAD
SUNBURY, OH 43074



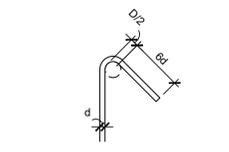
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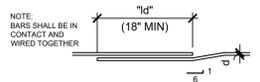
02-12-2026



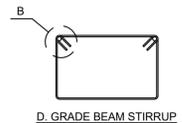
A. HOOKS AND BENDS



B. 135 DEGREE STIRRUP AND TIE HOOK



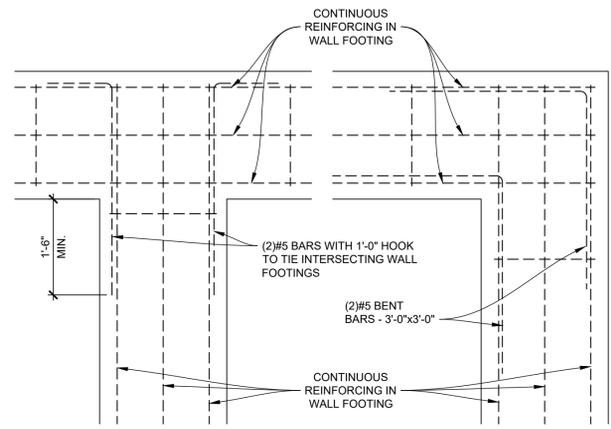
C. LAP SPLICE



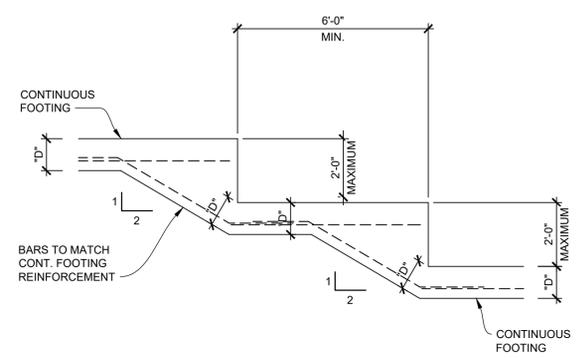
D. GRADE BEAM STIRRUP

BEND DIAMETER SCHEDULE		
BAR SIZE	STANDARD BEND DIAMETER	REDUCED BEND DIAMETER FOR TIES AND STIRRUPS
#3 THROUGH #5	D = 6"d	D = 4"d
#6 THROUGH #8	D = 6"d	NA
#9 THROUGH #11	D = 8"d	NA
#14 AND #18	D = 10"d	NA

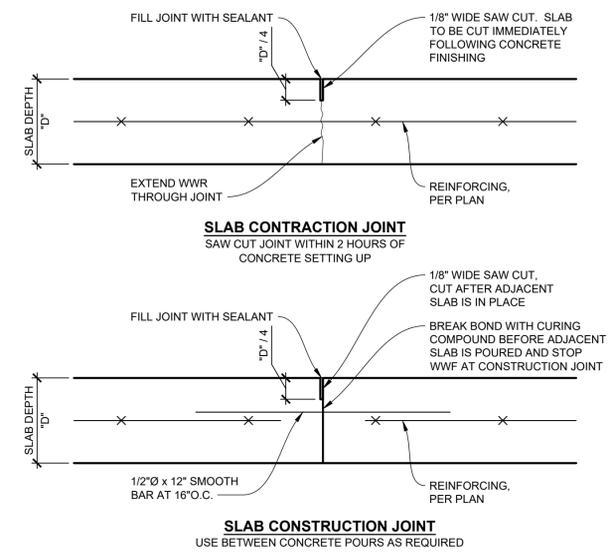
01 TYPICAL REINFORCEMENT DETAILS
SCALE: N/A



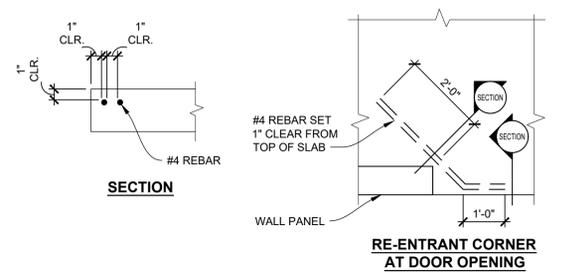
02 PLAN DETAIL AT INTERSECTING FOOTINGS
SCALE: N/A



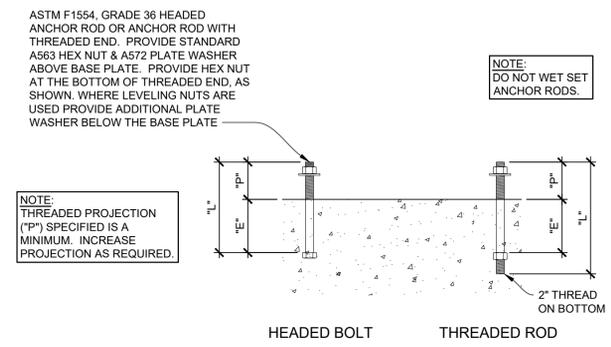
03 TYPICAL FOUNDATION STEP
SCALE: N/A



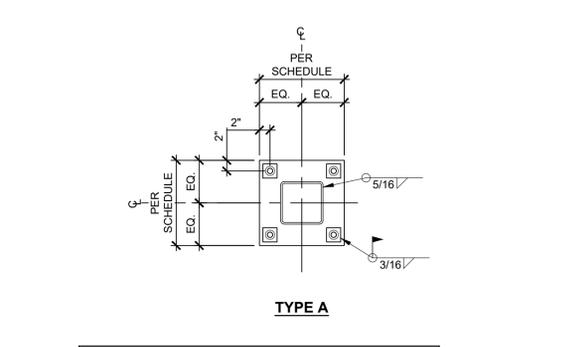
04 SLAB CONTRACTION JOINT
SCALE: N/A



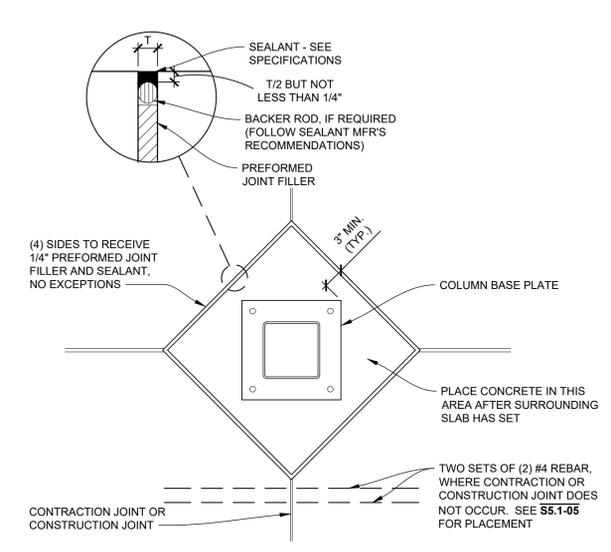
05 SLAB REINFORCEMENT
SCALE: N/A



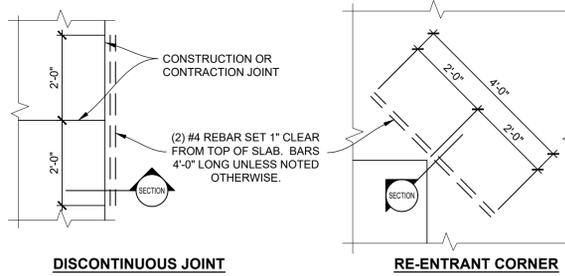
06 ANCHOR ROD DETAILS
SCALE: N/A



07 BASE PLATE DETAILS
SCALE: N/A



08 COLUMN ISOLATION JOINT
SCALE: N/A

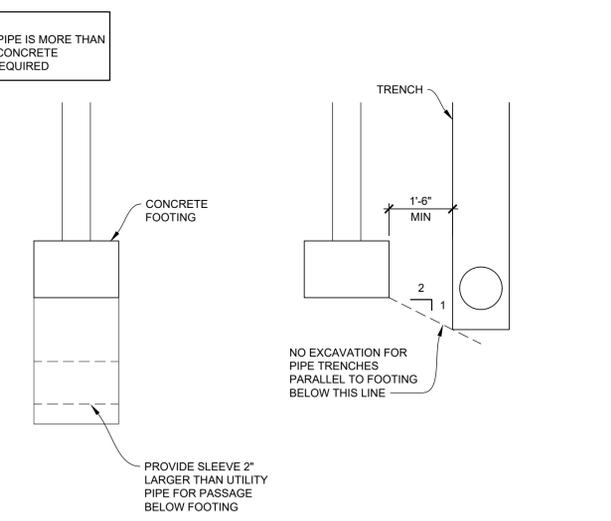


09 FOUNDATION SECTION AT PIPE PENETRATION
SCALE: N/A

ANCHOR ROD DIMENSIONS				
BOLT DIAMETER	EMBEDMENT "E"	THREADED PROJECTION "P"	LENGTH "L"	
			HEADED BOLT	THREADED ROD
3/4"	12"	5"	17"	19"
7/8"	14"	5"	19"	21"
1"	14"	5"	19"	21"
1 1/8"	16"	5"	21"	23"
1 1/4"	18"	5"	23"	25"

ANCHOR ROD HOLES, BASE PLATE HOLES AND PLATE WASHER SIZES			
BOLT DIAMETER	BASE PLATE HOLE DIAMETER	SQUARE WASHER SIZE*	WASHER THICKNESS
3/4"	1 5/16"	2"	1/4"
7/8"	1 9/16"	2 1/2"	5/16"
1"	1 13/16"	3"	1/2"
1 1/4"	2 1/16"	3"	1/2"

07 BASE PLATE DETAILS
SCALE: N/A



07 PIER PLAN DETAILS
SCALE: N/A



FOUNDATION DETAILS

IMPROVEMENTS
HICKORY WOODS PARK
 1271 POLLOCK ROAD
 DELAWARE, OH 43015

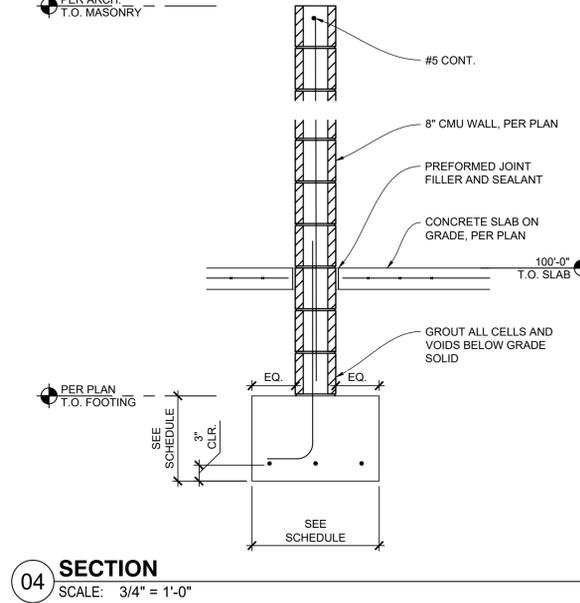
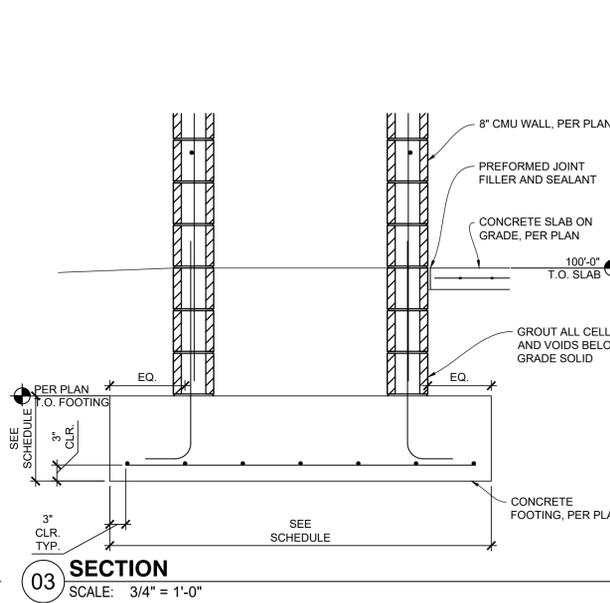
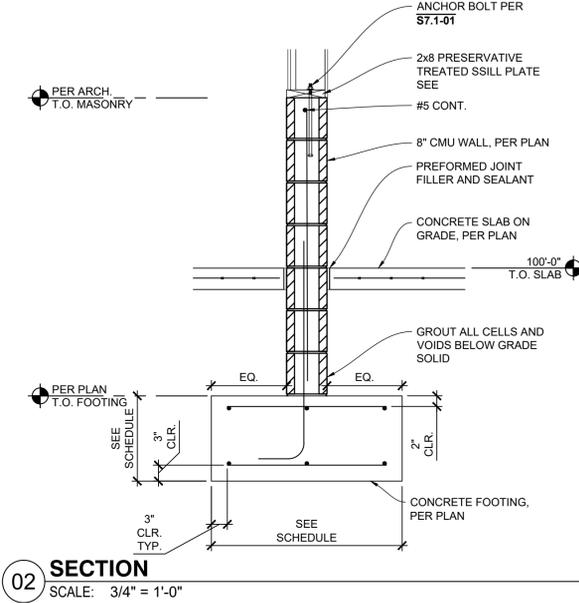
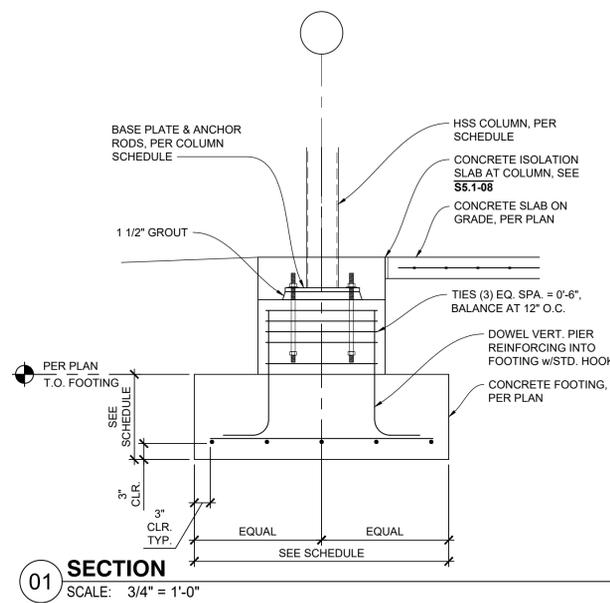
PREPARED FOR:
 PRESENTATION PARKS OF DELAWARE COUNTY
 2656 HOGBACK ROAD
 SUNBURY, OH 43074

schorr architects inc. 230 Bradenton Ave. Dublin, OH 43017 (614) 798-2096

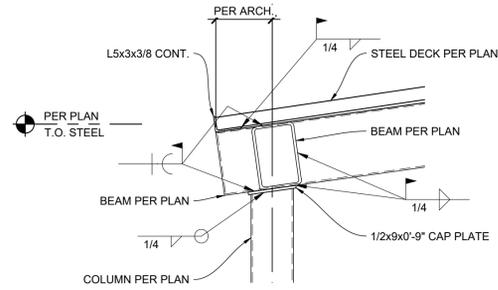
PERMIT/BID: 02.12.2026
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 COMM. NO.: 2522

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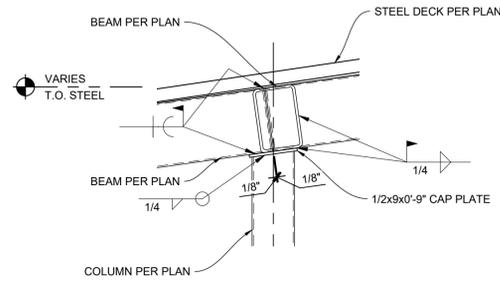
STATE OF OHIO
 MATTHEW D. DERWACTER
 E-68641
 REGISTERED PROFESSIONAL ENGINEER
 02-12-2026



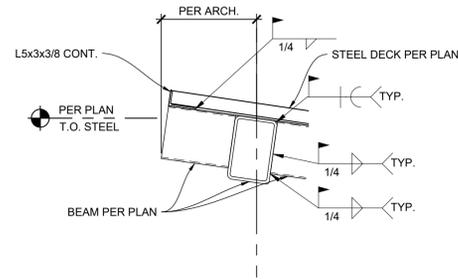
FOUNDATION DETAILS	
IMPROVEMENTS HICKORY WOODS PARK 1271 POLLOCK ROAD DELAWARE, OH 43015	
PREPARED FOR: PRESENTATION PARKS OF DELAWARE COUNTY 2656 HOGBACK ROAD SUNBURY, OH 43074	
schorr architects inc.	230 Bradenton Ave. Dublin, OH 43017 (614) 798-2096
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COMM. NO.: 2522	
S5.2	
	02-12-2026



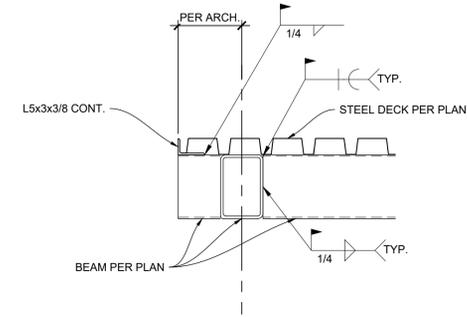
01 SECTION
SCALE: 3/4" = 1'-0"



02 SECTION
SCALE: 3/4" = 1'-0"



03 SECTION
SCALE: 3/4" = 1'-0"



04 SECTION
SCALE: 3/4" = 1'-0"



FRAMING
DETAILS

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Dublin, OH 43017
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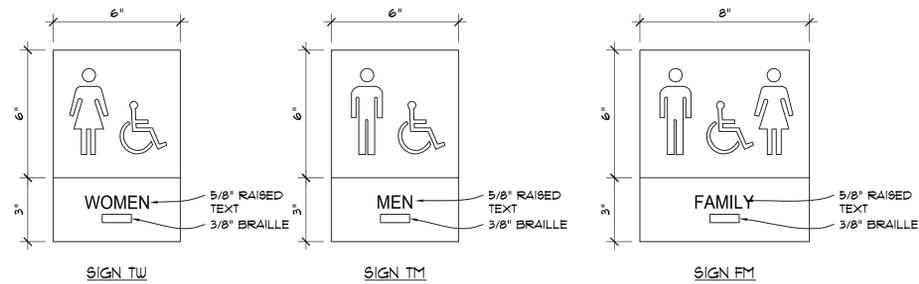
PERMIT/BID: 02.12.2026

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S7.1





SIGNAGE GENERAL NOTES:

1. CONFIRM SIGN FONT AND COLORS WITH OWNER AND ARCHITECT PRIOR TO ORDERING.
2. SIGNS TO BE HIGH CONTRAST BETWEEN GRAPHICS AND FIELD.
3. BRAILLE COLOR TO MATCH SIGN BACKGROUND COLOR.
4. MOUNT SIGNS SO THAT RAISED CHARACTERS ARE 48" MIN. ABOVE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND 60" MAX. ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST RAISED CHARACTER.

3 SIGNAGE
3" = 1'-0"

ROOM NUM.	AREA	REQUIRED		ACTUAL	
		LIGHT(%)	VENT (4%)	LIGHT	VENT
101	131 SF.	12.12 SF.	6.36 SF.	MECH.	MECH.
102	108 SF.	6.24 SF.	3.12 SF.	MECH.	MECH.
103	124 SF.	13.36 SF.	6.68 SF.	MECH.	MECH.
104	200 SF.	12.12 SF.	6.36 SF.	MECH.	MECH.
105	1545 SF.	12.12 SF.	6.36 SF.	MECH.	MECH.

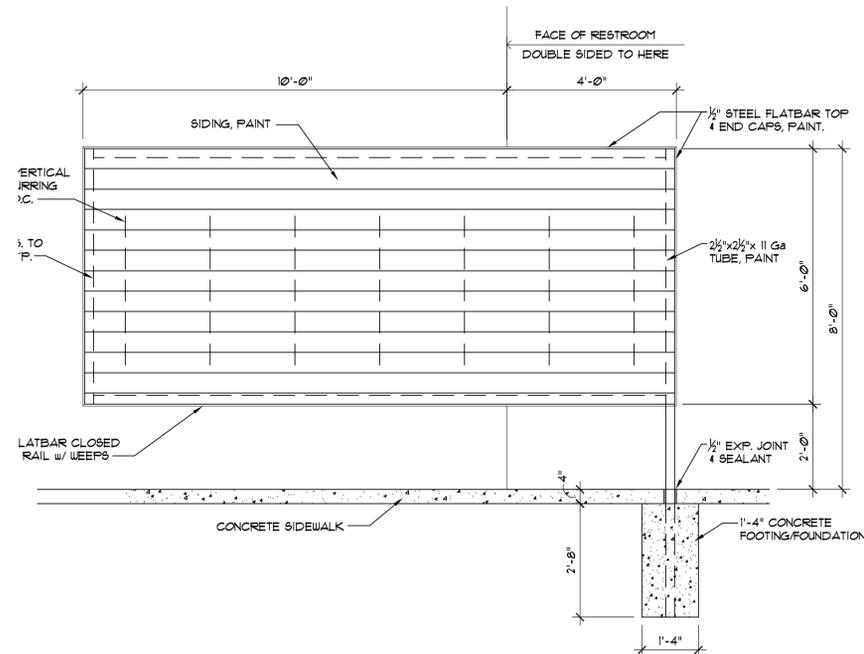
- NOTE:
1. AREAS ARE IN GROSS SQUARE FEET.
 2. BUILDING IS IN OPERATION IN DAYLIGHT HOURS ONLY (DUSK-TO-DAWN HOURS FOR PARK).
 3. DOORS OPEN 2 TIMES PER OCCUPANCY.
 4. MECH = MECHANICAL LIGHT AND VENTILATION REQUIRED, RE: H1 AND E1 SHEETS.
 5. ROOMS IN ADDITION TO THE ACCEPTABLE NATURAL LIGHT AND VENT HAVE SUPPLEMENTAL LIGHT AND VENT, RE: E1 AND H1.

ROOM FINISH SCHEDULE:

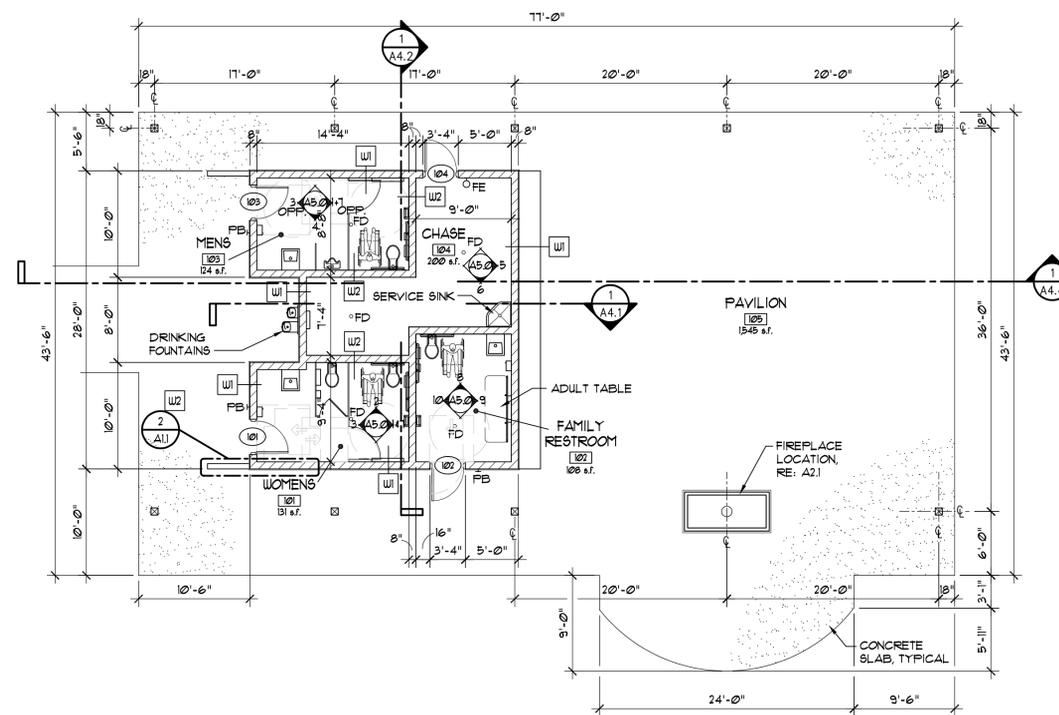
ROOM NUM.	ROOM NAME	FLOORS	BASE	WALLS	CEILING	REMARKS			
		EXPOSED CONCRETE w/ SEALER	RESINOUS	NONE	6" RUBBER		CONCRETE BLOCK, PAINT	WOOD, STAIN	PLYWOOD, NO STAIN
101	WOMENS	●	●	●	●	10'-0"			
102	FAMILY RESTROOM	●	●	●	●	10'-0"			
103	MENS	●	●	●	●	10'-0"			
104	CHASE	●	●	●	●	SLOPED			
105	PAVILION	●	●	●	●				

GENERAL NOTES

- A. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE DRAWINGS OR ELECTRONIC FILE.
- B. LAYOUT DIMENSIONS ARE TO FACE OF CMU AND COL. CENTERLINES OR TO FACE OF STUD (UNLESS OTHERWISE INDICATED). HOLD THE FACE DIMENSIONED. WALL THICKNESS WILL VARY WITH PARTITION TYPE, RE: WALL SECTIONS TO DETERMINE LOCATION OF STACKED MATERIALS, I.E. STUDS ON CMU.
- C. BUILDING # ROOM NUMBERS ARE FOR CONSTRUCTION PURPOSES ONLY.
- D. PAINT ALL EXPOSED SURFACES OF COLUMNS & OTHER STRUCTURAL BUILDING COMPONENTS IN ROOMS SCHEDULED TO BE PAINTED.
- E. REFER TO DOOR & OPENING SCHEDULES FOR DOORS AND INTERIOR OPENINGS.
- F. REFER TO EXTERIOR ELEVATIONS AND WINDOW SCHEDULE FOR EXTERIOR WINDOWS.



2 SCREEN WALL DETAILS
SCALE: 1/2" = 1'-0"



1 FIRST FLOOR PLAN
1/8" = 1'-0"

WALL TYPE LEGEND

TYPE	WALL DESCRIPTION	FIRE RATING	SOUND RATING
W1	INDICATES EXTERIOR WALL WITH NOM. 8" CMU TO 2'-8" AND ADHERED STONE VENEER. PROVIDE 2x6 STUD WALL ABOVE WITH EXTERIOR SHEATHING AND SIDING.	N/A	50
W2	NOMINAL 8" STANDARD CMU TO 1'-4" ABOVE FINISH FLOOR WITH 2x6 WOOD STUDS AT 16" O.C. TO UNDERSIDE OF ROOF DECK. CENTER STUDS ON BLOCK WALL BELOW. PROVIDE 5/8" BATT INSULATION IN WOOD STUD CAVITY WALLS.	N/A	50

FLOOR PLAN

**IMPROVEMENTS
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SUNBURY, OH 43074

schorr architects inc. 230 Bradenton Ave.
Dublin, OH 43017
(614) 798-2096

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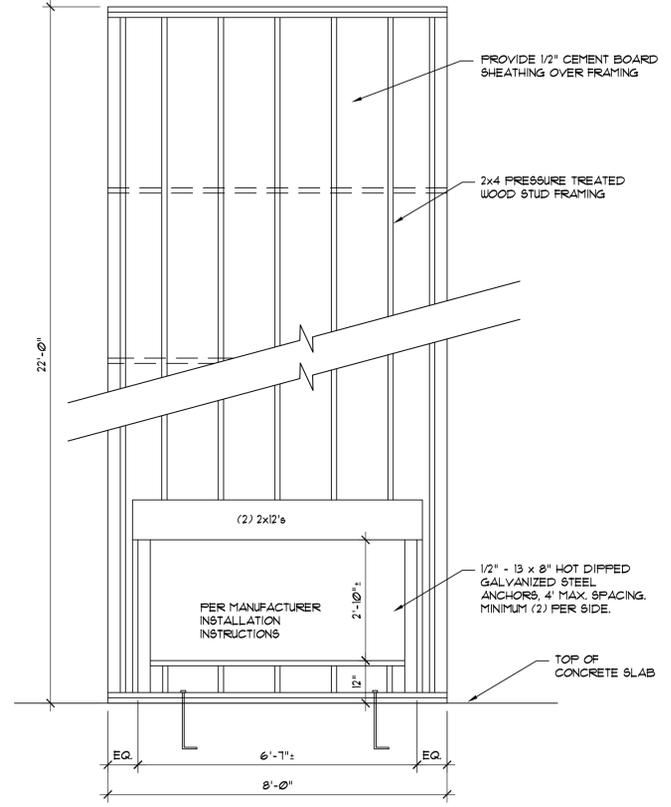
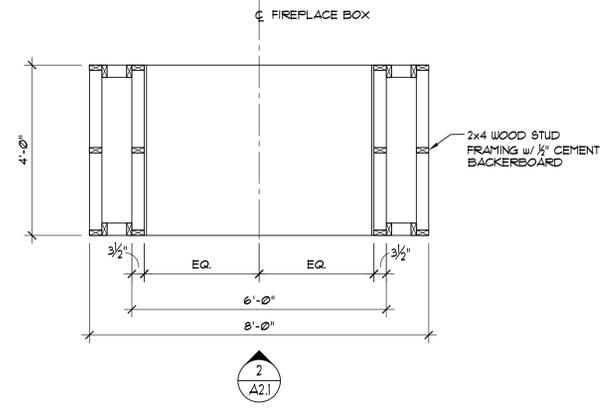
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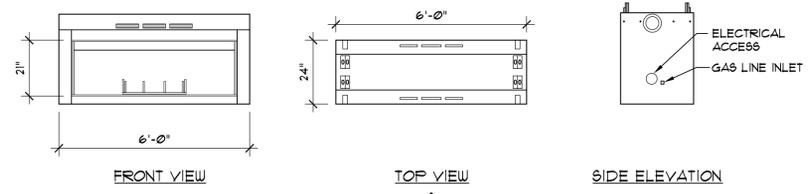
A1.1

TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2027
SIGNED: *Tony R. Schorr* DATE: 02.12.2026



FIREPLACE NOTES

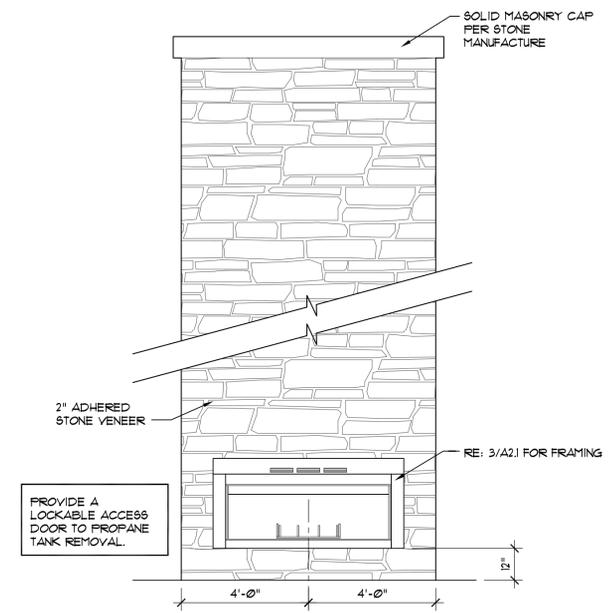
1. PROVIDE 15,000.00 ALLOWANCE TO BE INCLUDED IN THE BASE BID CONTRACT FOR THE PURCHASE OF THE FIREPLACE INSERT. ALL LABOR TO BE INCLUDED IN THE BASE BID.
2. GLASS WIND GUARDS AND HARDWARE.
3. SIX CERAMIC STANDARD DEFINITION LOGS WITH ILLUMINATED EMBERS.
4. 50LBS GLASS MEDIA.
5. WALL SWITCH OPERATION.
6. PROPANE GAS, VENTLESS.



1 FACTORY BUILT FIREPLACE

3/8" = 1'-0"

ALL DIMENSIONS ARE NOMINAL. CONSULT MANUFACTURER FOR EXACT UNIT DIMENSIONS PRIOR TO ROUGH-INS.



2 FRONT ELEVATION

3/8" = 1'-0"

NOTE: OPPOSITE AND SIDES ARE SIMILAR TO FRONT ELEVATION

NOTE:
ALL CHIMNEY AND FIREPLACE WORK SHALL BE INSTALLED PER FREMANUFACTURED FIREPLACE REQUIREMENTS AND CHAPTER 9 OF THE O.B.C. AND 2024 MECHANICAL CODE.

FIREPLACE DETAILS

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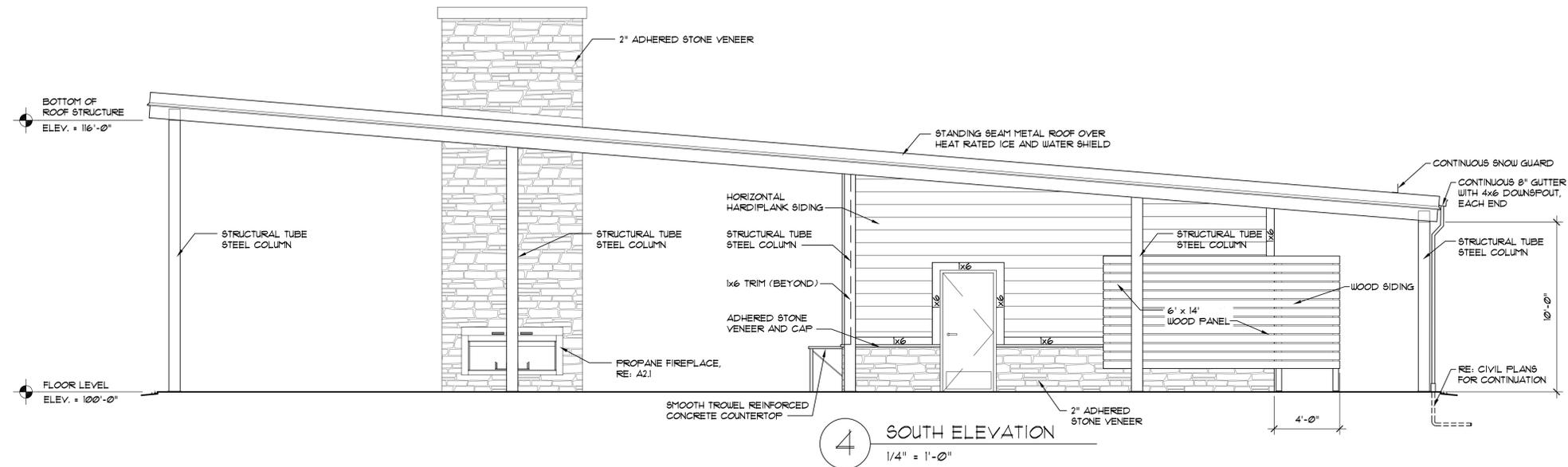
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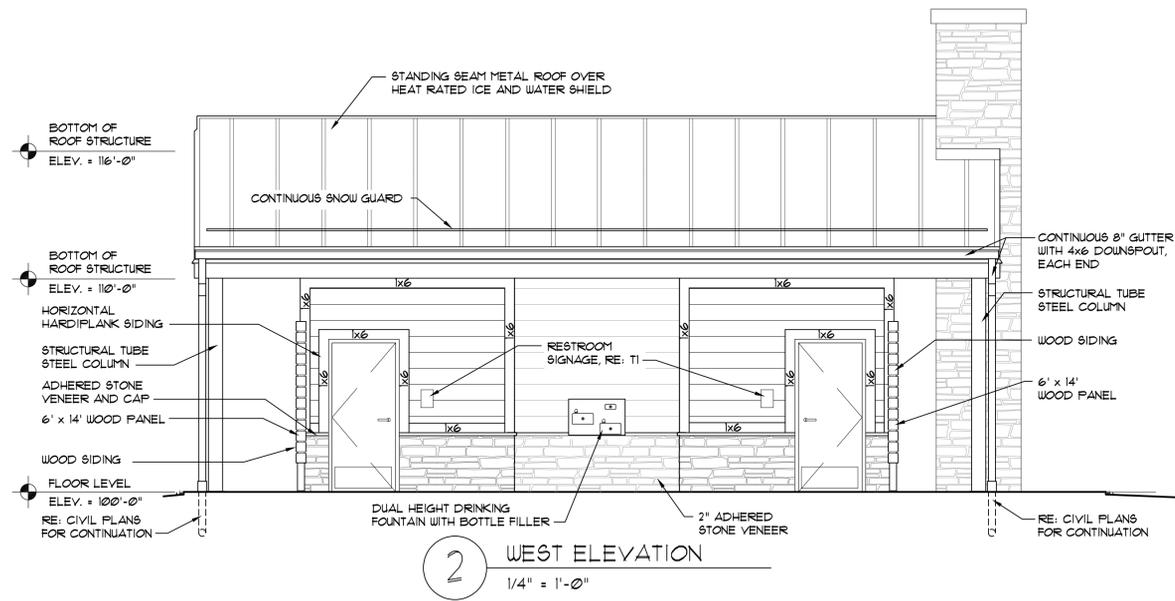
A2.1

STATE OF OHIO
REGISTERED ARCHITECT
TONY R. SCHORR
8879

TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2027
SIGNED: [Signature] DATE: 02.12.2026

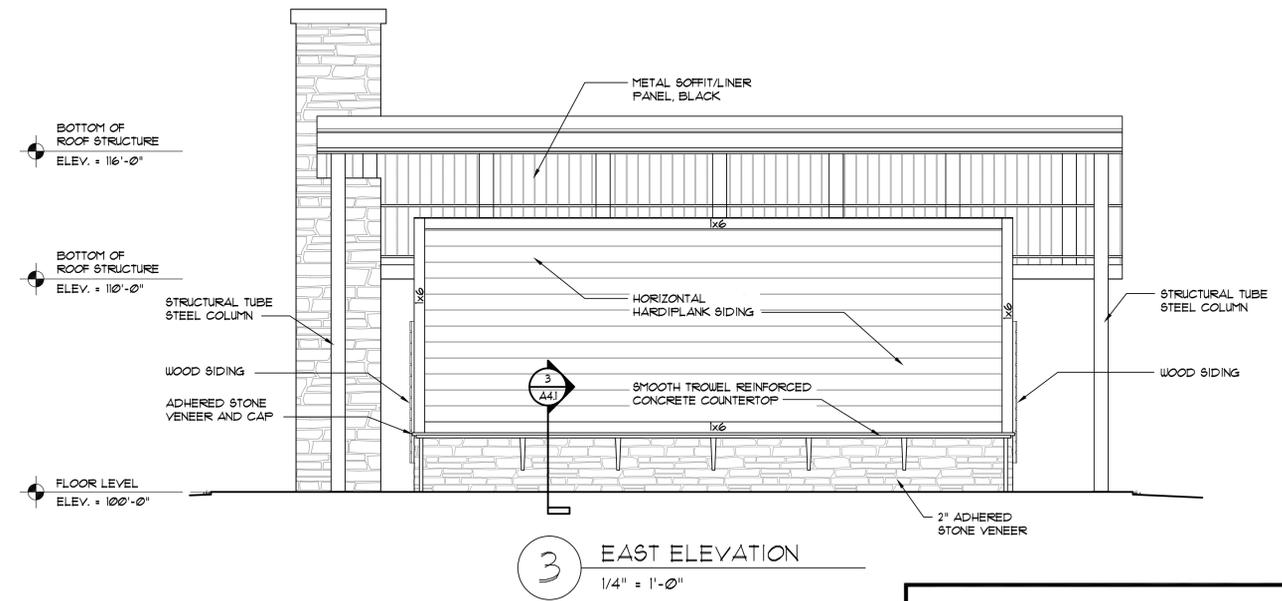


4 SOUTH ELEVATION
1/4" = 1'-0"

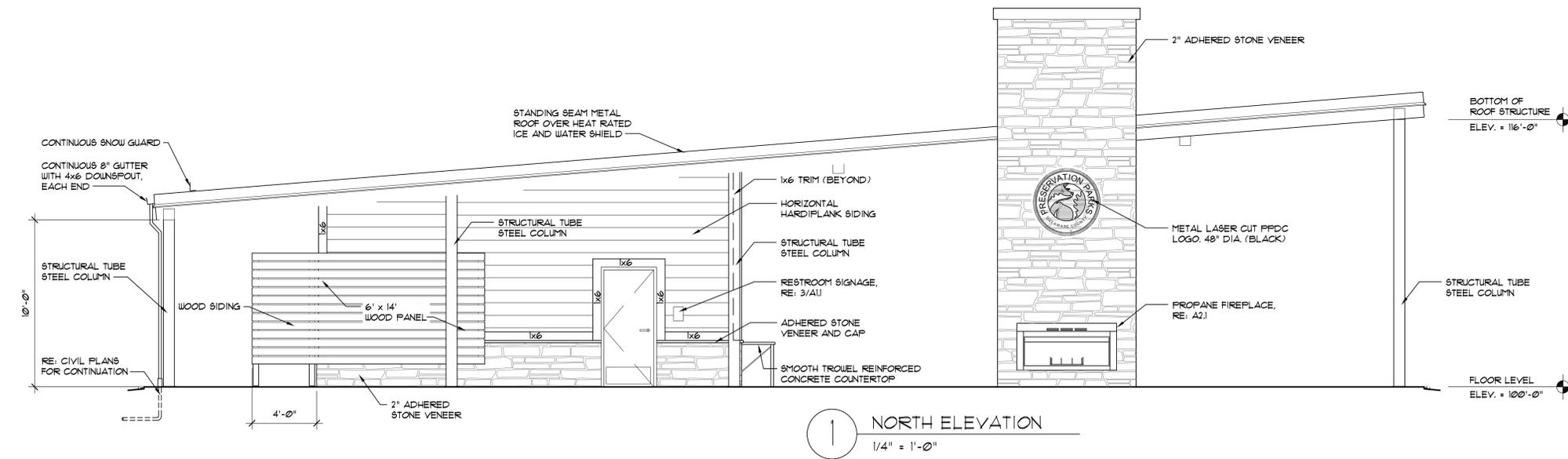


2 WEST ELEVATION
1/4" = 1'-0"

PAINT ALL EXPOSED EXTERIOR COMPONENTS PER SPECIFICATIONS



3 EAST ELEVATION
1/4" = 1'-0"



1 NORTH ELEVATION
1/4" = 1'-0"

EXTERIOR ELEVATIONS

IMPROVEMENTS
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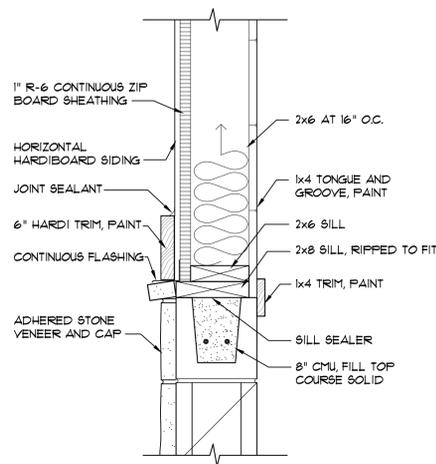
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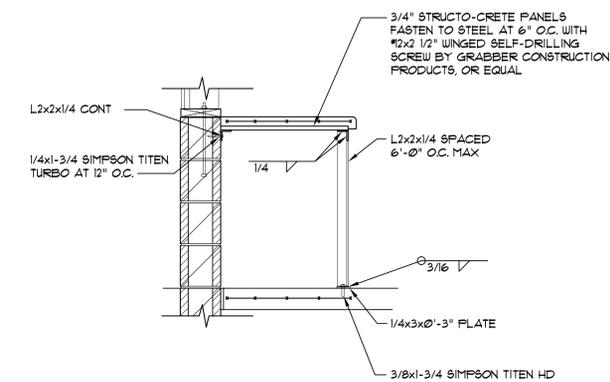
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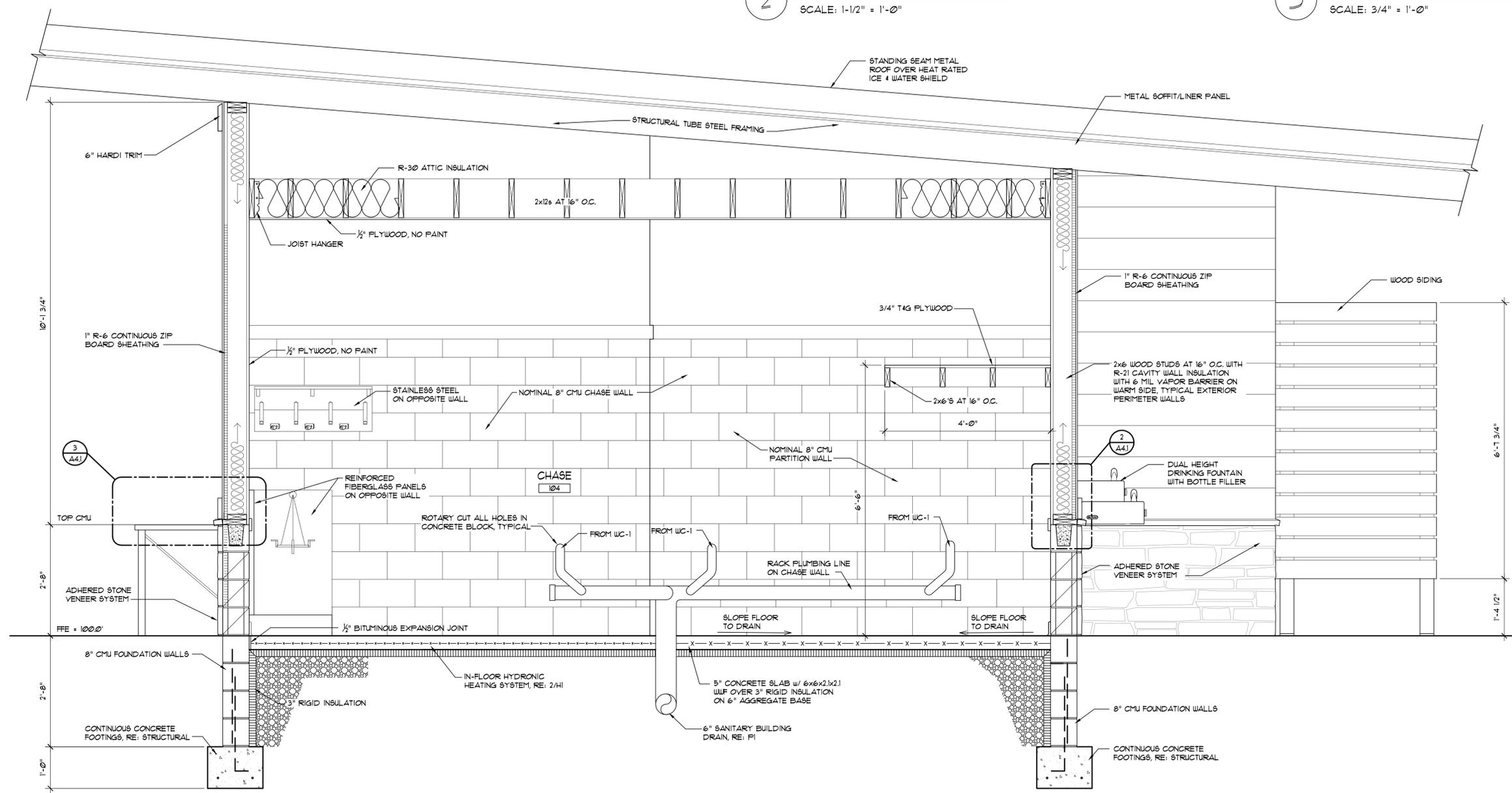
TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2027
SIGNED: [Signature] DATE: 02.12.2026



2 DETAIL
SCALE: 1-1/2" = 1'-0"



3 COUNTERTOP DETAIL
SCALE: 3/4" = 1'-0"



1 BUILDING SECTION
SCALE: 3/4" = 1'-0"

PARTIAL BUILDING SECTION

**IMPROVEMENTS
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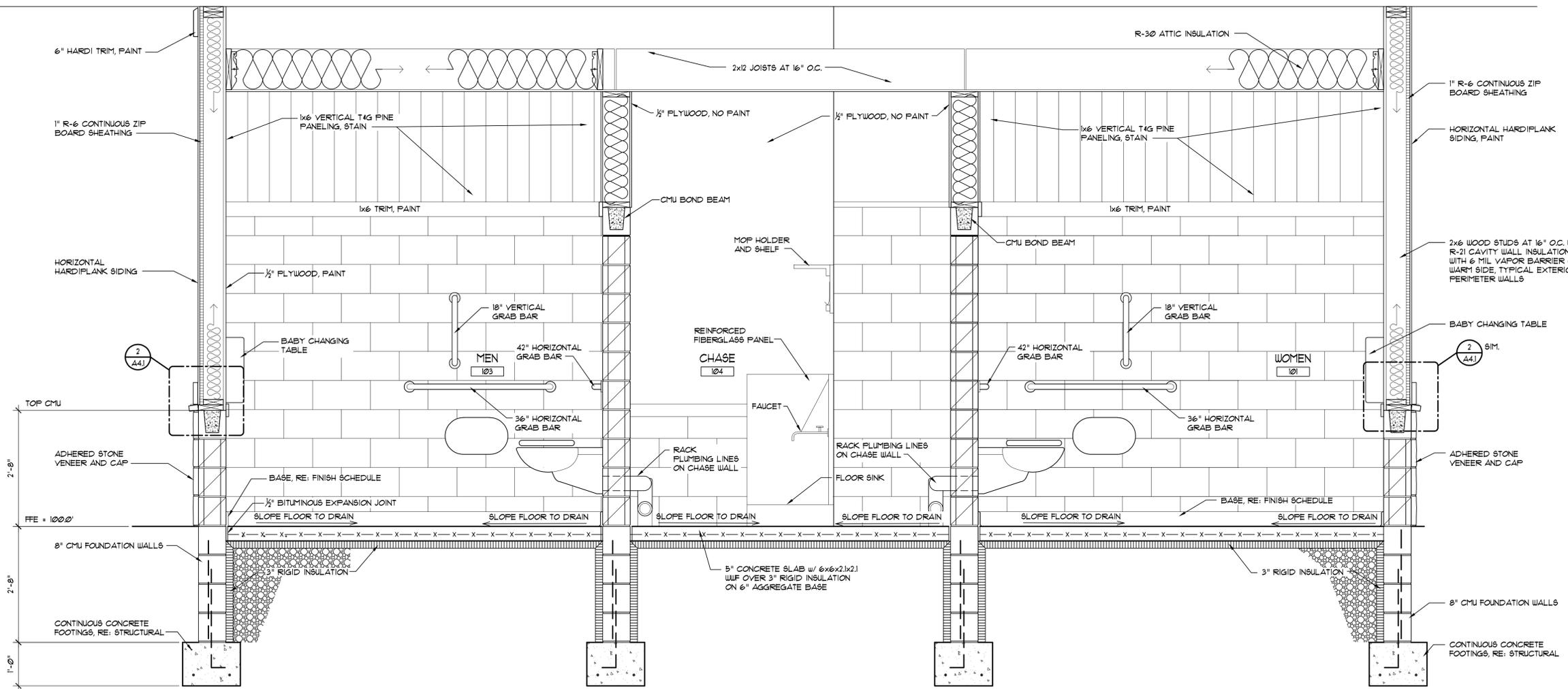
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(614) 798-2096

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STATE OF OHIO
REGISTERED ARCHITECT
TONY R. SCHORR
8879

TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2027
SIGNED: [Signature] DATE: 02.12.2026



1 BUILDING SECTION
SCALE: 3/4" = 1'-0"

BUILDING SECTION

IMPROVEMENTS
HICKORY WOODS PARK
1271 POLLOCK ROAD
DELAWARE, OH 43015

PREPARED FOR:
PRESENTATION PARKS OF DELAWARE COUNTY
2656 HOGBACK ROAD
SUNBURY, OH 43074

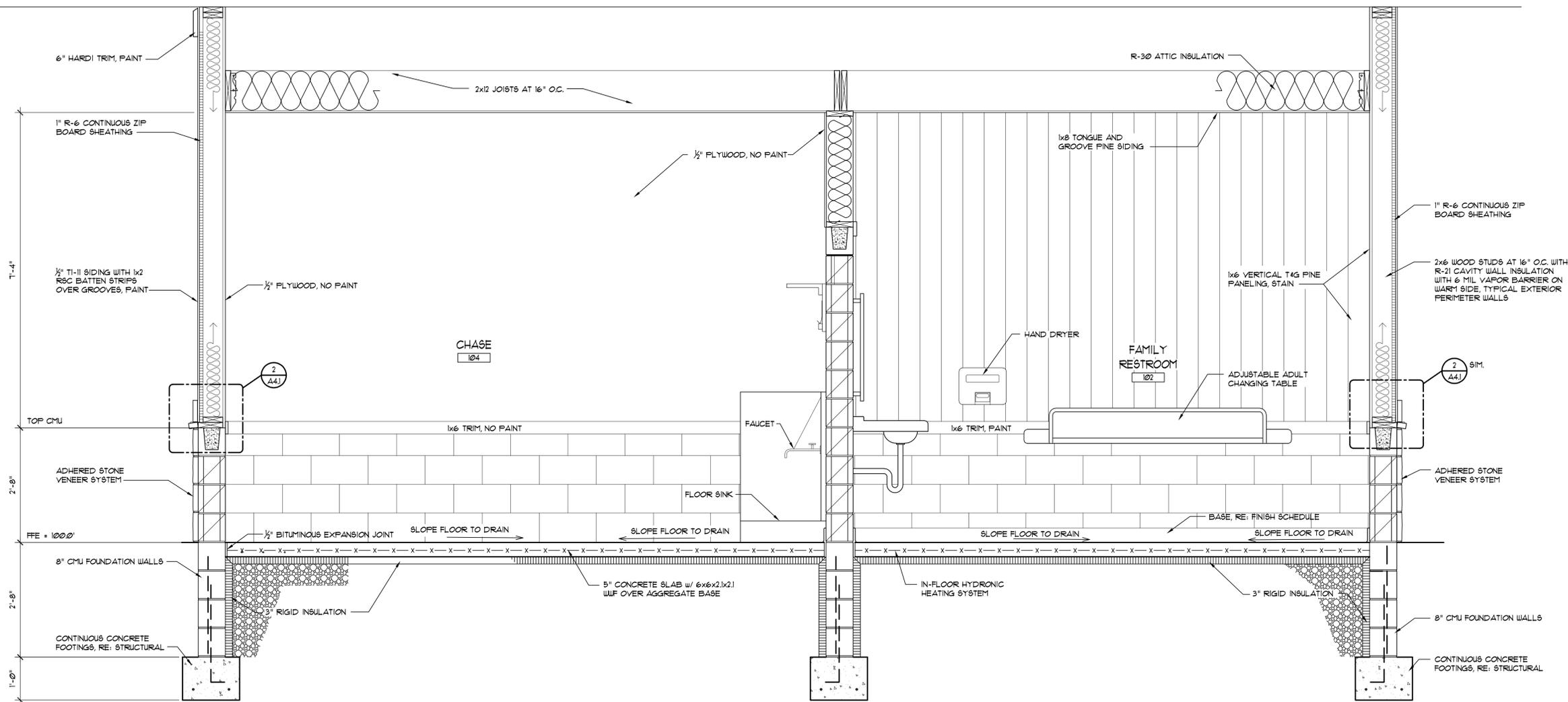
schorr architects inc. 230 Bradenton Ave.
Dublin, OH 43017
(614) 798-2096

BID SET 02.12.2026
CD SET 01.22.2026
COMM. NO.: 2522

A4.2

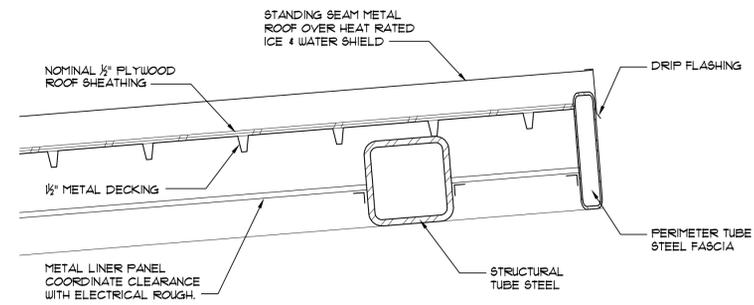
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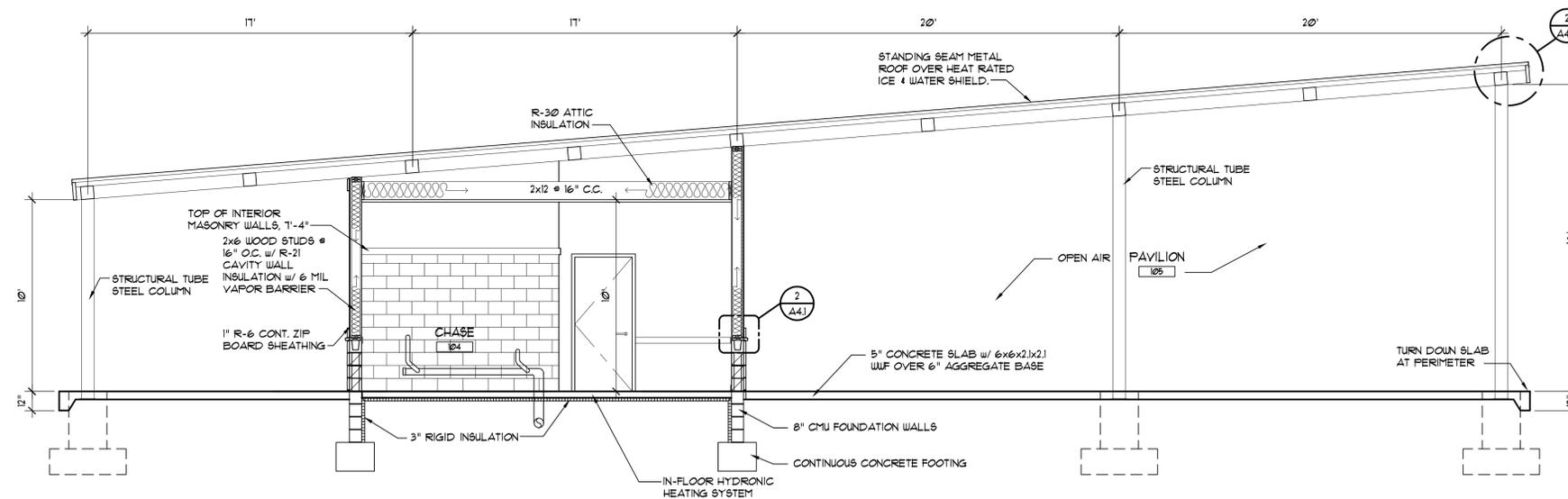


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IMPROVEMENTS HICKORY WOODS PARK 1271 POLLOCK ROAD DELAWARE, OH 43015	
PREPARED FOR: PRESENTATION PARKS OF DELAWARE COUNTY 2656 HOGBACK ROAD SUNBURY, OH 43074	
schorr architects inc. <small>230 Bradenton Ave. Dublin, OH 43017 (614)798-2096</small>	<small>230 Bradenton Ave. Dublin, OH 43017 (614)798-2096</small>
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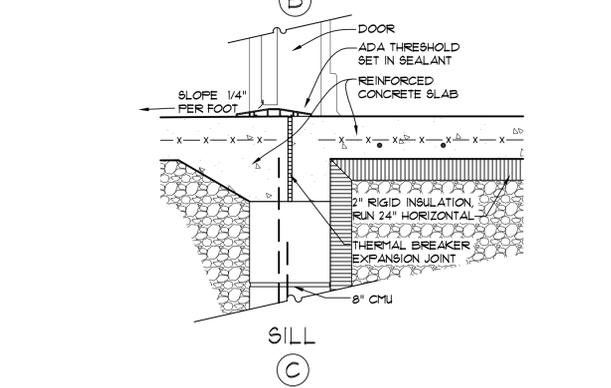
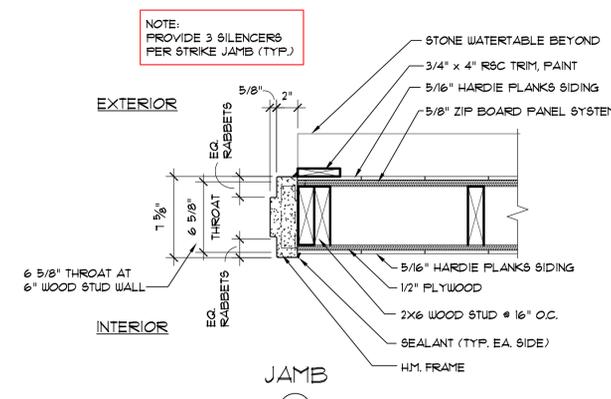
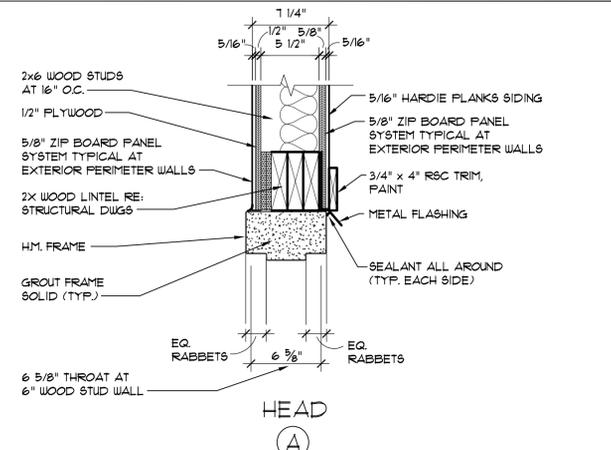
2 DETAIL
SCALE: 1 1/2" = 1'-0"



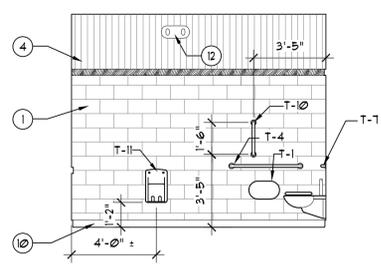
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SCALE: 1/4" = 1'-0"

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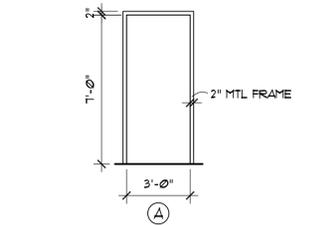
DOOR SCHEDULE								
INFORMATION				CONSTRUCTION DETAILS				
NUMBER	SIZE	TYPE	ELEV	HEAD	JAMB	SILL	HARDWARE	REMARKS
101	3'0" x 7'0" x 1 3/4"	INSUL. MTL.	13A/A5.1	11A/A5.1	11B/A5.1	11C/A5.1	C	
102	3'0" x 7'0" x 1 3/4"	INSUL. MTL.	13A/A5.1	11A/A5.1	11B/A5.1	11C/A5.1	A	
103	3'0" x 7'0" x 1 3/4"	INSUL. MTL.	13A/A5.1	11A/A5.1	11B/A5.1	11C/A5.1	C	
104	3'0" x 7'0" x 1 3/4"	INSUL. MTL.	13A/A5.1	11A/A5.1	11B/A5.1	11C/A5.1	B	



- CODED NOTES** INDICATED BY: ○
- APPLICABLE TO A5.1
1. CONCRETE MASONRY, PAINT
 2. TOILET PARTITION DOORS AND HARDWARE.
 3. 3/4"x4" RSC TRIM, PAINT.
 4. WOOD SIDING, PAINT.
 5. VENT OPENINGS TO CHASE, RE: HI.
 6. NOT USED.
 7. (RFP) REINFORCED FIBERGLASS PANEL SURROUND AT 2 SIDES OF THE CONCRETE CURB MOP SINK, RE: 4/A10.
 8. EXHAUST AIR REGISTER, RE 1/HI.
 9. WALL HYDRANT, RE 1/PI.
 10. 4" RUBBER BASE.
 11. INSULATE ALL EXPOSED PLUMBING PIPING AND PROVIDE PROTECTIVE COVERING OVER PLUMBING PIPING UNDER LAVATORIES.
 12. EMERGENCY LIGHT
 13. FLUSH VALVE OPERATOR ON OPEN SIDE OF H/C STALL.

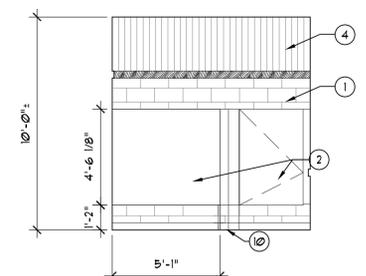


10 FAMILY RR 102
INTERIOR ELEVATION
1/4" = 1'-0"

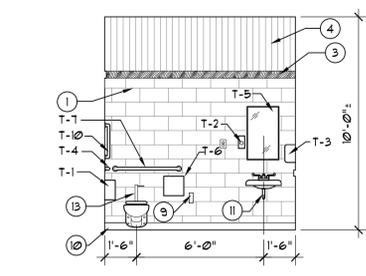


13 DOOR ELEVATIONS
1/4" = 1'-0"

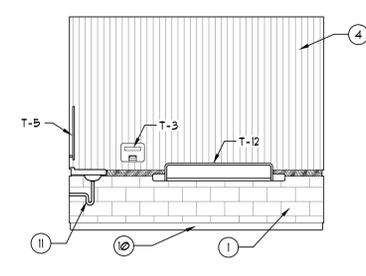
TOILET ACCESSORY SCHEDULE		
MARK	DESCRIPTION	REMARKS
T-1	TOILET PAPER HOLDER	26" AFF. TO TOP
T-2	SOAP DISPENSER	48" AFF. TO DISPENSER OPENING
T-3	SENSOR HAND DRYER	4'-8" AT BOTTOM EDGE
T-4	42" GRAB BAR	36" AFF. TO BAR C/L AND 12" FROM REAR WALL
T-5	18"x30" MIRROR	MOUNT W/ BOTTOM 40" (MAX.) AFF.
T-6	SANITARY NAPKIN RECEPTACLE	30" AFF. TO TOP OF UNIT
T-7	36" GRAB BAR	36" AFF TO BAR C/L AND 6" FROM SIDE WALL
T-8	BABY CHANGING STATION	48" AFF. (MAX.) TO C/L OF FULL HANDLE
T-9	MOP/BROOM HOLDER	48" TOP OF UNIT
T-10	18" GRAB BAR	MOUNT VERTICALLY AS SHOWN
T-11	CHILD SEAT	
T-12	ADULT CHANGING TABLE	MOUNT 36" AFF. TO BOTTOM



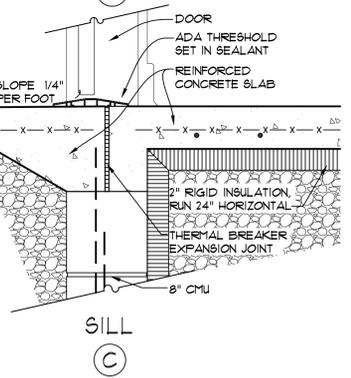
7 WOMEN 101
INTERIOR ELEVATION
1/4" = 1'-0" OPP: MEN 103



8 FAMILY RR 102
INTERIOR ELEVATION
1/4" = 1'-0"

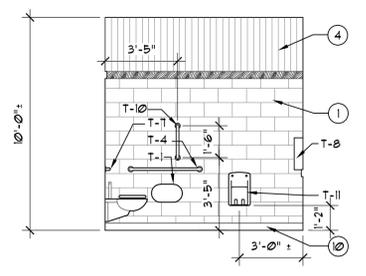


9 FAMILY RR 102
INTERIOR ELEVATION
1/4" = 1'-0"

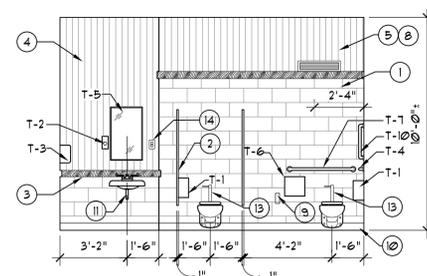


11 DOOR DETAILS
1 1/2" = 1'-0"

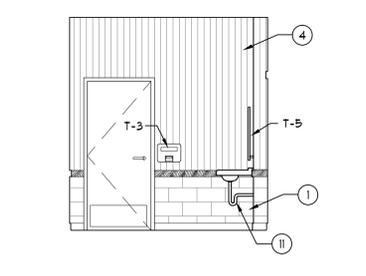
12 NOT USED



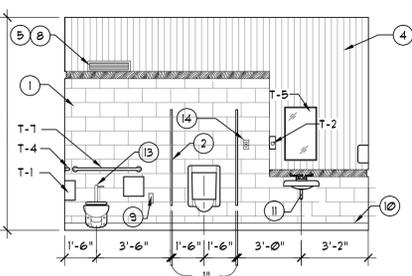
1 WOMEN 101
INTERIOR ELEVATION
1/4" = 1'-0" OPP: MEN 103



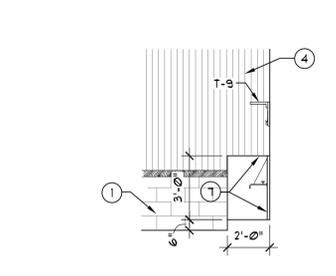
2 WOMEN 101
INTERIOR ELEVATION
1/4" = 1'-0"



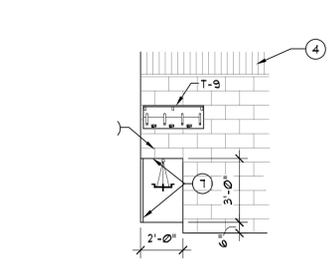
3 WOMEN 101
INTERIOR ELEVATION
1/4" = 1'-0" OPP: MEN 103



4 MEN 103
INTERIOR ELEVATION
1/4" = 1'-0"



5 CHASE 104
INTERIOR ELEVATION
1/4" = 1'-0"



6 CHASE 104
INTERIOR ELEVATION
1/4" = 1'-0"

INTERIOR ELEVATIONS, DOOR SCHEDULE AND DETAILS

IMPROVEMENTS
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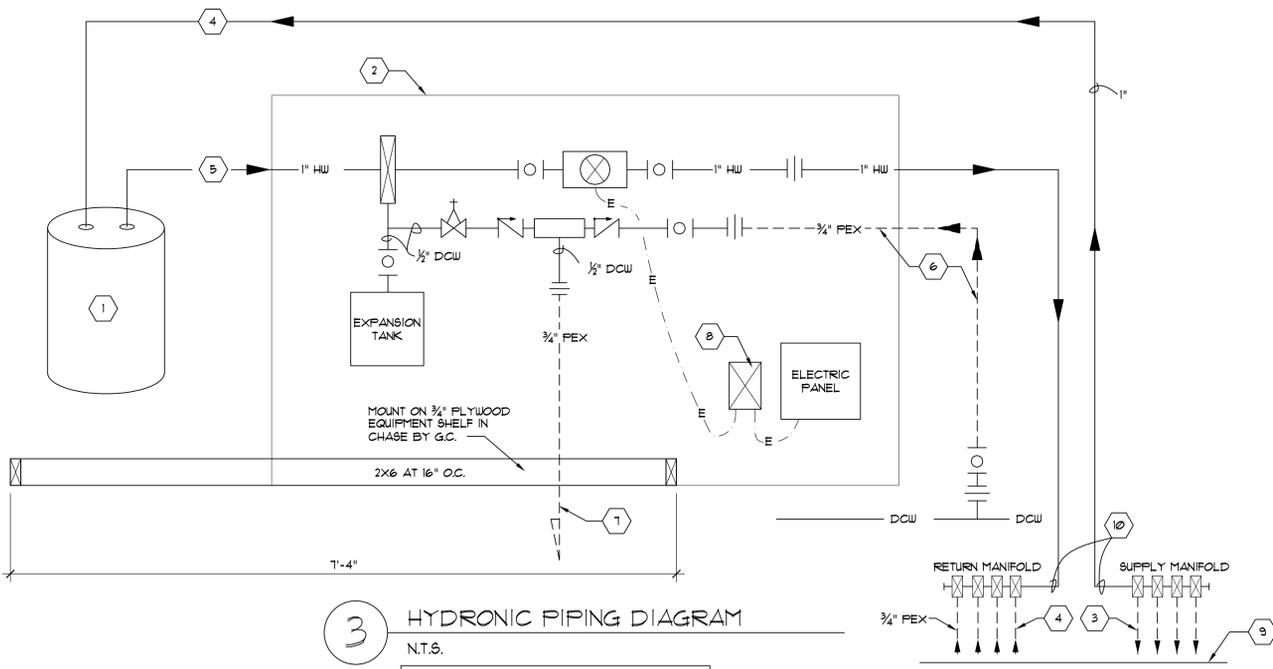
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3 HYDRONIC PIPING DIAGRAM
N.T.S.
NOTE: PROVIDE A GLYCOL 4 WATER MIXTURE TO PREVENT SYSTEM FROM FREEZING IN CASE OF POWER OUTAGE.

EQUIPMENT SCHEDULE:

- EF-1: RESTROOM IN-LINE EXHAUST FAN: BROAN L100L IN-LINE EXHAUST FAN 681 CFM AT 250 SF, 6-6 BONES, WITH BACKDRAFT DAMPER, PROVIDE WITH WALL CONTROLLER TO INTERLOCK WITH LIGHT SWITCH.
- G-1: RESTROOM WALL EXHAUST LOUVER: AMERI FLOW MODEL 6x20, FIXED GRILLE, STEEL CONSTRUCTION, WITH ENAMEL FINISH.
- HPS-1: IN-SLAB, HYDRONIC PIPING SYSTEM FOR BUILDING HEAT TO CONSIST OF 50 GALLON LOW BOY ELECTRIC WATER HEATER PEX TUBING, WATER PUMP, LOW PRESSURE VALVE, BACKFLOW PREVENTER, BALL VALVES, PRESSURE REDUCING VALVE, AIR ELIMINATOR, ELECTRICAL SWITCHING RELAY AND ELECTRICAL JUNCTION BOX, AND AS REQUIRED FOR A COMPLETE SINGLE LOOP/CIRCUIT SYSTEM. SYSTEM TO TAP INTO THE DCW LINE AT TO ALLOW FRESH WATER TO ENTER THE SYSTEM THROUGH THE BACKFLOW PREVENTER AS NEEDED TO REFRESH ANY EVAPORATED WATER IN THE SYSTEM. SYSTEM TO HAVE A THERMOSTAT LOCATED IN THE CHASE WITH ELECTRONIC READOUT.

SYMBOLS LEGEND

	BALL VALVE		DCW	DOMESTIC COLD WATER, SIZED AS NOTED
	PRESSURE REDUCING VALVE		HW	HOT WATER FROM WATER HEATER, CLOSED LOOP SYSTEM
	PUMP (SUPER BRUTE PUMP)		PEX	PEX WATER TUBING, SIZED AS NOTED
	1" AIR ELIMINATOR		E	ELECTRICAL WIRING, RE: SHEET E1
	PIPE UNION			DIRECTION OF FLOW
	BACKFLOW PREVENTER			ELECTRICAL SWITCHING RELAY
				ELECTRICAL JUNCTION BOX
			T	DIGITAL THERMOSTAT LOCATED 48" AFF IN CHASE

GENERAL NOTES

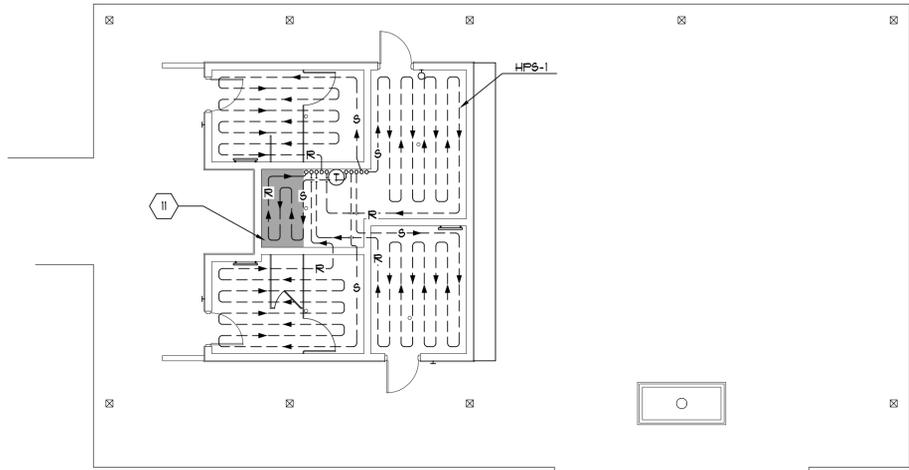
- APPLICABLE TO H1
- A. CONTRACTOR SHALL INSTALL ALL EQUIPMENT, DUCTWORK, ETC. PER ALL LOCAL, STATE AND FEDERAL CODES, PER THE RECOMMENDATIONS OF THE MANUFACTURER AND PER APPLICABLE GUIDELINES OF SMACNA AND ASHRAE.
 - B. COORDINATE ALL EQUIPMENT LOCATIONS, DUCT ROUTING, ETC. IN THE FIELD WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF THEIR EQUIPMENT THAT HAS NOT BEEN SO COORDINATED AND CAUSES CONFLICTS.
 - C. DUCTWORK SHALL BE GALVANIZED STEEL, LOW PRESSURE TYPE AS OUTLINED BY SMACNA.
 - D. INSULATE ALL DUCTWORK ASSOCIATED WITH EQUIPMENT, 1" 1 LB. DENSITY DUCT-WRAP WITH VAPOR BARRIER.
 - E. PROVIDE ALL TRANSITIONS, BOOTS, FITTINGS, ETC. AS REQUIRED TO ACHIEVE DUCT/DIFFUSER/REGISTER CONNECTIONS. FIELD VERIFY EXACT REQUIREMENTS.
 - F. HVAC CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING COMPLETE SYSTEM OF HVAC EQUIPMENT, PIPING, DUCTWORK, ETC. DRAWINGS ARE SYSTEMATIC IN NATURE AND CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATING AND ROUTING OF ALL PIPING AND DUCTWORK WITH RESPECT TO CONSTRUCTION, ATTIC TRUSSES, OTHER TRADES, ETC. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL OFFSETS, JOGS, TRANSITIONS, CORE DRILLS, WALL CUTS, LINTELS AND OTHER NECESSARY FITTINGS TO INSTALL WORK.
 - H. WORK WHICH HAS BEEN INSTALLED AND HAS NOT BEEN COORDINATED WITH OTHER TRADES AND HAS TO BE RELOCATED, SHALL BE DONE AT THE EXPENSE OF THIS CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING TO EQUIVALENT DUCT SIZES IN ATTIC SPACES AS NECESSARY TO ROUTE DUCTS THROUGH TRUSS AND JOIST SPACES. MAINTAIN DESIGN VELOCITIES.
 - I. CONTRACTOR SHALL OBTAIN A COMPLETE SET OF PLANS AND BE FAMILIAR WITH THE ENTIRE PROJECT IN ORDER TO UNDERSTAND THE COMPLETE SCOPE OF THE PROJECT.
 - J. HVAC CONTRACTOR RESPONSIBLE FOR CUTTING AND PATCHING OF ALL PENETRATIONS: ROOF, CEILING, FLOORS, WALL, ETC.
 - K. DUCT DIMENSIONS ARE INSIDE FREE CLEAR.

CODED NOTES INDICATED BY:

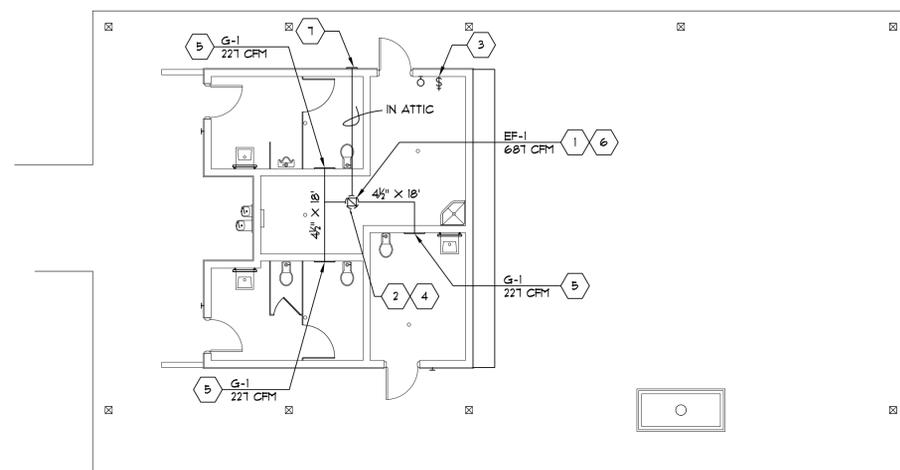
- APPLICABLE TO 1/H1
1. IN-LINE EXHAUST FAN (EF-1) LOCATED IN THE CHASE. PROVIDE VIBRATION ISOLATION WITH FLEXIBLE CONNECTION. DISCHARGE DUCT UP INTO ATTIC. PROVIDE FINISH TERMINATION CONNECTION. RUN DUCTWORK CLOSE TO WALLS AND CEILING. ROUND DUCT WITH EQUIVALENT AIR FLOW TO RECTANGULAR DUCT SIZE SHOWN WILL BE APPROVED.
 2. EXTERIOR TERMINATION CAP WITH SCREEN AND RAIN CAP.
 3. INTERLOCK EXHAUST FANS WITH RESTROOM OCCUPANCY/LIGHT SWITCH. COORDINATE WITH E.C.
 4. RUN UP THRU METAL ROOF.
 5. INTERIOR HIGH WALL LOUVER (G-1) FOR RESTROOM EXHAUST FAN MOUNT BELOW WINDOW.
 6. OPENING ABOVE, ALIGN RESTROOM EXHAUST FAN UNDER OPENING. COORDINATE SIZE OF OPENING WITH DUCT WORK SHOWN. G.T.C. TO INSURE PROPER OPENING SIZE AND BLOCKING AS REQUIRED FOR HANGING EXHAUST AND DUCTWORK.
 7. VENT THRU ATTIC SPACE. PROVIDE SIDEWALL TERMINATION WITH SCREEN & BACKDRAFT.

CODED NOTES INDICATED BY:

- APPLICABLE TO 2/H1 AND 3/H1
1. PROVIDE EWH-1, 50 GALLON LOW BOY ELECTRIC WATER HEATER TO BE USED FOR BUILDING HEATING SYSTEM ONLY ON EQUIPMENT SHELF.
 2. PROVIDE 3/4" PLYWOOD PANEL (SIZED AS REQUIRED FOR DESIGNED SYSTEM) AND MOUNTED ON CHASE WALL, THE IN-SLAB RADIANT HEAT SYSTEM PIPING PANEL PER DIAGRAM 3/H1. SUPPLY TO COME FROM WATER HEATER NOTED IN ITEM 1 ABOVE, AND RETURN TO WATER HEATER.
 3. DROP PEX SUPPLY CIRCUIT TUBING FROM HEATING PANEL DOWN CHASE WALL INTO SLAB, SLEEVE AT SLAB.
 4. RISE PEX CIRCUIT TUBING THROUGH SLAB, PROVIDE SLEEVE. AT RETURN SIDE OF LOOP/CIRCUIT CONTINUE UP CHASE WALL AND RETURN TO WATER HEATER.
 5. 1" COPPER HOT WATER LINE FROM EWH-1.
 6. TAP 3/4" PEX LINE FROM NEAREST 1/2" OR LARGER DOMESTIC COLD WATER LINE UP TO HEATING SYSTEM PANEL AND THROUGH BACK FLOW PREVENTER, EXPANSION TANK AND AIR ELIMINATOR TO SUPPLY CLOSED LOOP SYSTEM WITH FRESH WATER THAT MAY EVAPORATE THROUGHOUT THE SYSTEM.
 7. PROVIDE 1/2" PEX TUBING TO DRAIN.
 8. ELECTRIC CONDUIT AND WIRING FOR RADIANT HEATING SYSTEM FROM ELECTRIC PANEL, RE: E11 SHEET.
 9. PROVIDE SLEEVES AT FLOOR.
 10. PROVIDE SHUT OFF VALVE AND PRESSURE GAUGES AT THIS LOCATION.
 11. EQUIPMENT SHELF LOCATION SHOWN SHADED, APPROX. 4' x 7'4" BY G.C.



2 IN-FLOOR HYDRONIC HEATING PLAN
1/8" = 1'-0"



1 HVAC PLAN
1/8" = 1'-0"

HVAC PLANS AND SCHEDULE

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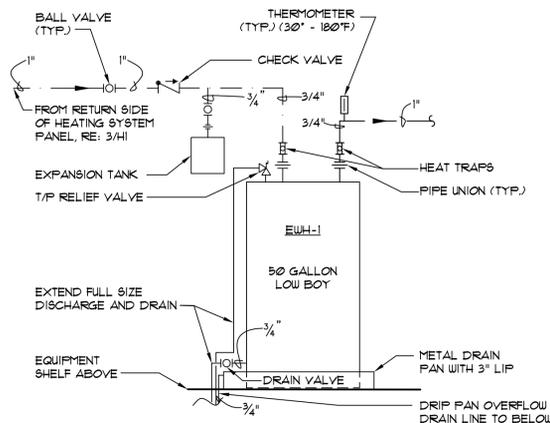
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2 WATER HEATER DIAGRAM
1/4" = 1'-0"

FIXTURE	DOMESTIC CW	DOMESTIC HW	WASTE	VENT	REMARKS
WC-1	1"	--	4"	2"	H/C HEIGHT, 11'-19" AFF.
SINK-1	1/2"	1/2"	3"	1 1/2"	
LAV-1	1/2"	1/2"	1 1/2"	1 1/2"	H/C HEIGHT, 34" AFF.
WH-1	3/4"	--	--	--	FREEZE PROOF
FD-1	--	--	3"	--	3/4" TRAP PRIMER CONNECTION
TP-1	1/2"	--	--	--	3/4" TO FLOOR DRAIN
UR-1	1/2"	--	2"	1 1/2"	LOW FLOW
EWH-1	3/4"	3/4"	--	--	PART OF CLOSED LOOP HEATING SYSTEM, RE: HI
WTR-1	3/4"	3/4"	--	--	

PLUMBING FIXTURE SCHEDULE:

WC-1 AMERICAN STANDARD MILLENNIUM FLOWISE WHITE ELONGATED HIGH EFFICIENCY WATER CLOSET. PROVIDE LEVER ASSEMBLY FOR USE WITH SLOAN SERIES 900 HYDRAULIC FLUSHMETERS. PROVIDE FLASTIC SEAT BENEKE NO. 533-85 FC/FR. COMPLETE WITH CARRIER. 15'-11" AFF.

LAV-1 AMERICAN STANDARD LUCERNE WALL HUNG VITREOUS CHINA WITH SLOAN ETF 600 SENSOR OPERATED FAUCET 802A-311-E2809 COMPLETE WITH CARRIER. MOUNT AT 34" AFF.

SINK-1 AMERICAN STANDARD FLORWELL WITH AMERICAN STANDARD EXPOSED YOKE MODEL NO. 8344212 WALL MOUNT UTILITY FAUCET, 36" TALL FRP PANELS AT WALLS, AND MOP HOLDER MOUNTED ABOVE.

WH-1 AUTOMATIC DRAINING, FROST PROOF, VACUUM BREAKER, WALL HYDRANT FLUSH PLATE TYPE WITH SQUARE HEAD AND LOOSE KEY STOP. SMITH NO. 55093QT.

FD-1 ZURN NO. Z-415 DURCOATED CAST IRON BODY WITH BOTTOM OUTLET FLOOR DRAIN WITH COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR TYPE 'B'. 6" POLISHED NICKEL BRONZE STRAINER. ZURN NO. Z-400-6B.

TP-1 CORROSION RESISTANT BRASS, ADJUSTABLE PRESSURE TRAP PRIMER FOR FLOOR DRAINS. PRECISION MODEL P-1.

UR-1 AMERICAN STANDARD WASHBROOK FLOWISE URINAL WITH SLOAN 186-10 FLUSHMATE COMPLETE WITH CARRIER. MOUNT AT ADA HEIGHT.

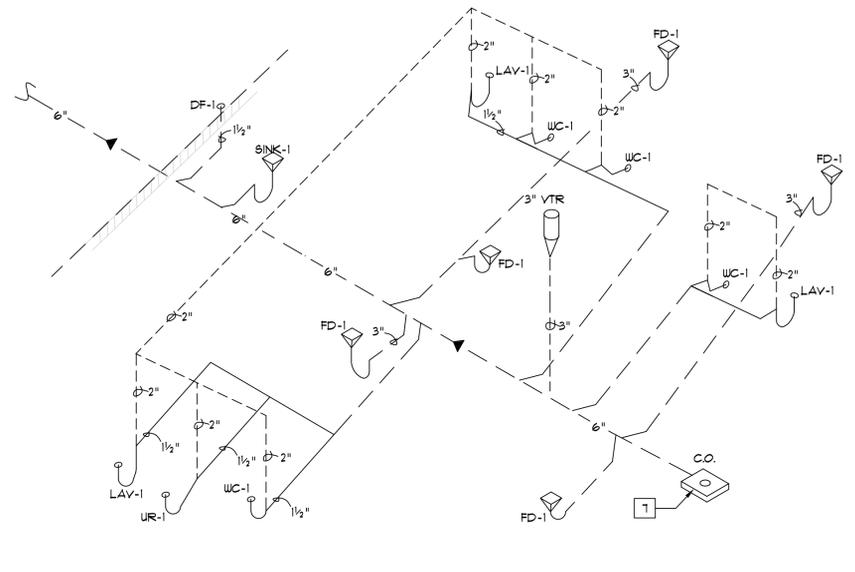
BF-1 REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER DEVICE. ZURN MODEL 915XL.

EWH-1 AO SMITH PROLINE LOWBOY, ELECTRIC WATER HEATER, MODEL# E6-80L 45 DVB, 30" TALL, 20" W, 4500 WATTS STANDARD, 6000 WATTS MAX, R-VALUE = 16, 91 LBS. PROVIDE METAL DRIP PAN AND 3/4" DRAIN LINE FROM DRIP PAN TO DRAIN BELOW.

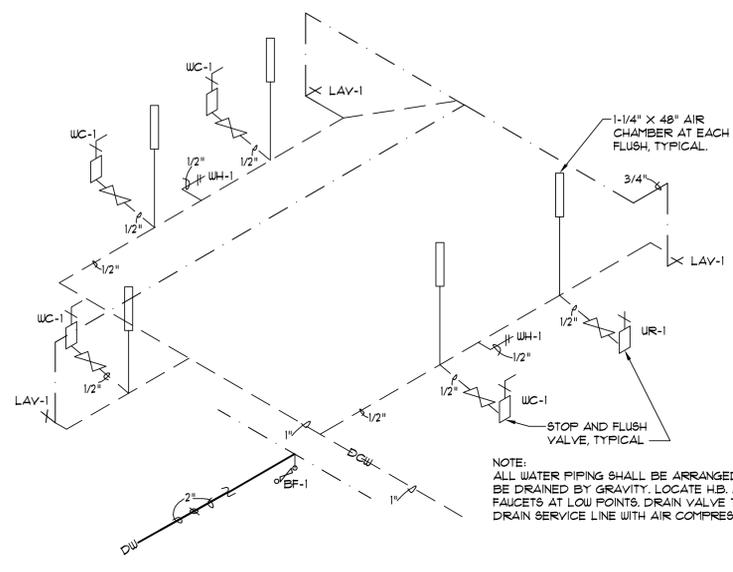
DF-1 HAUS MODEL 118 FRP ADA FREEZE PROOF DRINKING FOUNTAIN WITH BOTTLE FILLER.

WTR-1 BOSCH MODEL E84 POINT OF USE MINI TANK WATER HEATER.

- PLUMBING GENERAL NOTES
- ALL DOMESTIC WATER PIPING SHALL BE HARD DRAIN COPPER TYPE 'L' ABOVE GRADE AND SOFT DRAIN COPPER TYPE 'K' WITH BRAZED JOINTS BELOW GRADE. EXTERIOR WATER LINES SHALL HAVE A MINIMUM 42" OF COVER.
 - INSULATE ALL DOMESTIC (INTERIOR) WATER PIPING, HOT AND COLD, WITH 1/2" FIBERGLASS INSULATION WITH VAPOR BARRIER.
 - SANITARY WASTE AND VENT PIPING SHALL BE CAST IRON 'NO HUB' PIPING OR PVC PIPING ALL AS APPROVED BY THE LOCAL AUTHORITY. INSTALL AND TEST ALL SANITARY WASTE AND VENT PIPING IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES.
 - COMPLETELY FLUSH AND STERILIZE ALL DOMESTIC WATER PIPING PER AWWA RECOMMENDATIONS AND PER OHIO EPA REQUIREMENTS. PROVIDE AND PAY FOR ALL APPLICABLE TESTS, PERMITS AND FEES. DOMESTIC WATER PIPING SHALL BE PRESSURE TESTED TO 100 PSIG FOR SIX (6) HOURS WITH NO DROP.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL FEES, PERMITS AND INSPECTIONS REQUIRED FOR THE PERFORMANCE OF THIS WORK REQUIRED BY OHIO EPA AND/OR LOCAL HEALTH DEPARTMENT.
 - IT IS THE INTENT THAT THE CONTRACTOR PROVIDE COMPLETE SANITARY AND WATER PIPING SYSTEMS WITH ALL NECESSARY APPLICABLE APPOINTMENTS IN CONFORMANCE WITH ALL APPLICABLE ORDINANCES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUCH SYSTEM.
 - DRAWINGS ARE SCHEMATIC IN NATURE AND CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATING AND ROUTING OF ALL PIPING ETC. WITH RESPECT TO NEW CONSTRUCTION, FRAMING, OTHER TRADES, ETC. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL OFFSETS, JOGS, TRANSITIONS, CORE DRILLS, WALL CUTS, LINTELS AND OTHER NECESSARY FITTINGS TO INSTALL WORK. WORK WHICH HAS BEEN INSTALLED AND HAS NOT BEEN COORDINATED WITH OTHER TRADES AND HAS TO BE RELOCATED SHALL BE DONE SO AT THE EXPENSE OF THIS CONTRACTOR.
 - RUN TRAP PRIMERS TO ALL FLOOR DRAIN LOCATIONS.



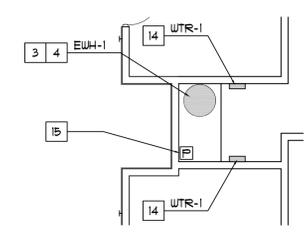
3 STACK DIAGRAM
N.T.S
REFERENCE FIXTURE CONNECTION SCHEDULE FOR BRANCH SIZING



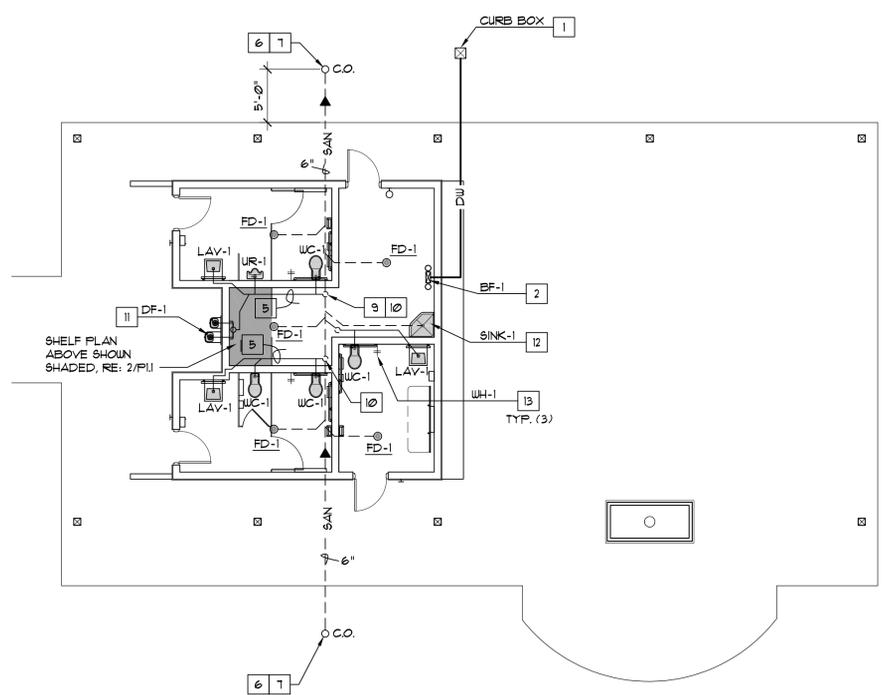
4 RISER DIAGRAM
N.T.S
PROVIDE TEMPERING DEVICES PER OHIO PLUMBING CODE

PLUMBING SYMBOLS LEGEND

- SANITARY UNDER SLAB
- SANITARY ABOVE SLAB
- VENT
- DIRECTION OF FLOW
- LINE RISE
- LINE DROP
- FIXTURE DRAIN
- DOMESTIC WATER MAIN
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- PRESSURE GAUGE
- BACKFLOW PREVENTER
- TIE INTO EXISTING



2 SHELF PLAN
SCALE: 1/8" = 1'-0"



1 PLUMBING PLAN
1/8" = 1'-0"

- CODED NOTES INDICATED BY: []
- APPLICABLE TO SHEET P11
- DOMESTIC WATER SERVICE MAIN. PROVIDE CURB/VALVE BOX AT THIS LOCATION.
 - EXTEND DOMESTIC WATER SERVICE UNDERGROUND INTO THE BUILDING WHERE SHOWN AND PROVIDE BACKFLOW PREVENTIVE DEVICE.
 - EXTEND DCW SERVICE FROM BACKFLOW PREVENTIVE DEVICE TO WATER HEATER. CONNECT TO INDIVIDUAL FIXTURES AND WATER HEATER. PER CONNECTION SCHEDULE AND RISER DIAGRAM THIS SHEET.
 - MOUNT ELECTRIC LOW BOY TANK WATER HEATER (EWH-1) ON EQUIPMENT SHELF. PROVIDE METAL DRIP PAN AND OVERFLOW LINE TO DRAIN BELOW.
 - RUN PLUMBING LINES EXPOSED IN CHASE. RACK ON WALLS. ROTARY CUT ALL HOLES THRU MASONRY AND GROUT AND OR CAULK ALL OPENINGS TIGHT TO EXPOSED WALLS.
 - GRAVITY FEED SANITARY LINE.
 - EXTERIOR CLEANOUT. PROVIDE 18"x18"x6" THICK CONCRETE COLLAR, OR MOUNT WITHIN SIDEWALK, PROVIDE WITHIN 5'-0" OF BUILDING.
 - RUN TRAP PRIMERS TO FLOOR DRAIN LOCATIONS. TYP OF (5).
 - PROVIDE 3" VENT THRU ROOF ON BACK SIDE OF ROOF.
 - DROP THRU FLOOR AT THIS LOCATION.
 - ADA DRINKING FOUNTAIN WITH BOTTLE FILLER.
 - FLOOR SINK.
 - PROVIDE (1) WALL HYDRANT WH-1 IN EACH RESTROOM ADJACENT THE WATER CLOSET, TYPICAL (3) LOCATIONS.
 - PROVIDE (2) ELECTRIC INSTANTANEOUS WATER HEATER IN CHASE TO FEED LAVS AND MOP SINK. MOUNT 48" AFF. PROVIDE EXPANSION TANK 4 3/4" TPR VALVE TO FLOOR DRAIN.
 - RECIRCULATING PUMP.

PLUMBING PLANS AND DETAILS

IMPROVEMENTS
HICKORY WOODS PARK
1271 POLLOCK ROAD
DELAWARE, OH 43015

PREPARED FOR:
PRESENTATION PARKS OF DELAWARE COUNTY
2656 HOGBACK ROAD
SUNBURY, OH 43074

schorr architects inc. 230 Bradenton Ave. Dublin, OH 43017 (614)798-2096

BID SET 02.12.2026
CD SET 01.22.2026
COMM. NO.: 2522

STATE OF OHIO REGISTERED ARCHITECT
TONY R. SCHORR 8579
TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2027
SIGNED [Signature] DATE 02.12.2026

P1.1

ELECTRICAL SYMBOLS

- ALL SYMBOLS MAY NOT APPLY.
- MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.
- MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.
- RTD: REFER TO DRAWING.
- ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" IN CORRIDORS AND WALKWAYS NECESSARY TO MEET A.D.A. CLEARANCE RESTRICTIONS.

SYMBOL	ITEM	M.H.	SYMBOL	ITEM	M.H.
	FLUORESCENT FIXTURE			SINGLE - PHASE MOTOR	
	CEILING MOUNTED FIXTURE			DISCONNECT SWITCH	
	WALL - MOUNTED FIXTURE	RTD		REMOTE LIGHTING HEAD	RTD
	SWITCH, 3 WAY, 4 WAY, KEY, PILOT	48"		BATTERY POWERED EMERGENCY LIGHT	RTD
	DUPLEX RECEPT.	18"		ELECTRICAL PANEL	
	GROUND FAULT RECEPT.	RTD		THERMOSTAT	48"
	EXHAUST FAN	RTD		HOME RUN TO PANEL, CIRCUIT BREAKER NUMBER	
	JUNCTION BOX	RTD		PRESSURE SWITCH	
	VARIABLE SWITCH	48"			

FIXTURE SCHEDULE

TYPE	MANUFACTURERS	CATALOG NUMBER	LAMPS	REMARKS
CL-1	COMMERCIAL ELECTRIC	54654241	LED SHOPLIGHT	MOUNT ON CEILING
R-1	WAC	FM-240103-05-BK	INCLUDED	BLACK PENDANT
W-2	KITCHLER	44H83	INCLUDED	BLACK WALL LANTERN
W-3	LITHONIA	ELM6L	INCLUDED	THERMOPLASTIC EMERGENCY LIGHT
W-4	LITHONIA	ELABNXH0806	INCLUDED	REMOTE HEAD, MOUNT ON WALL OVER DOOR
EHD-1	HAND DRYER	BOBRICK B100	120 VOLT	ELECTRIC, AIR HAND DRYER, SUPPLIED UNDER DIV. 10
OS	HUBBELL	WS 1000 W	INCLUDED	OCCUPANCY SENSOR

NOTES: FIXTURES SHALL INCLUDE CBM/ETL PREMIUM BALLASTS, LENSES, CANOPIES AND ACCESSORIES COMPATIBLE WITH CEILING CONSTRUCTION.

PANEL SCHEDULE 'P'

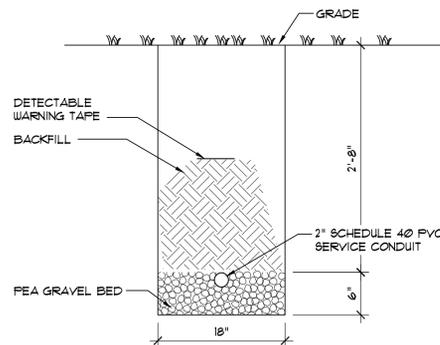
P 200A 120/240V, SINGLE PHASE, 3 WIRE PANEL BOARD WITH 200A + 2 POLE MAIN CIRCUIT BREAKER

VA	A	WIRE	CIRCUIT DESCRIPTION	BREAKER	CIR. NO.	BREAKER	CIRCUIT DESCRIPTION	WIRE	VA	A
360	3	#12	EXHAUST FAN	20-1	1	2	SENSOR LAVATORY	#12	360	3
1150	10	#12	HAND DRYER WOMENS	20-1	3	4	HAND DRYER MENS	#12	1150	10
360	3	#12	SENSOR LAVATORY WOMENS	20-1	5	6	SENSOR LAVATORY MENS	#12	360	3
360	3	#12	RECEPTACLE MEN	20-1	7	8	RECEPTACLE WOMEN	#12	360	3
250	2	#12	LIGHTING MEN'S	20-1	9	10	LIGHTING WOMEN'S	#12	250	2
125	1	#12	LIGHTING FAMILY RR	20-1	11	12	CHASE LIGHTING	#12	250	2
360	3	#12	HAND DRYER FAMILY	20-1	13	14	WATER HEATER (EWH-1)	#10	1500	12.5
360	3	#12	RECEPTACLE FAMILY	20-1	15	16	--		1500	
360	3	#10	TIMER / PHOTOCCELL	30-2	17	18	EMG. LIGHTING	#12	360	3
360			--		19	20	RECEPTABLES CHASE	#12	720	6
720	6	#12	RECEPTABLES CHASE	20-1	21	22	WTR-1 (QUAD)	#10	1500	12.5
360	3	#12	RECIRC. PUMP	20-1	23	24	(NOT IN CONTRACT - FUTURE)			
24000	240	NA	SUB-PANEL B (NOT IN CONTRACT)	100-2	25	26				
			--		27	28	SHELTER LIGHTING	#10	100	1
720	6	#12	COUNTERTOP RECEPTACLE	20-1	29	30	SHELTER RECEPTABLES	#10	720	6
720	6	#12	COUNTERTOP RECEPTACLE	20-1	31	32	FIREPLACE	#12	720	6
					33	34				

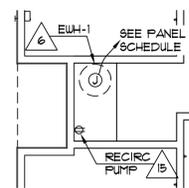
LOAD SUMMARY

40,000 VA = 161 AMPS AT 120/240V, 1, 3W

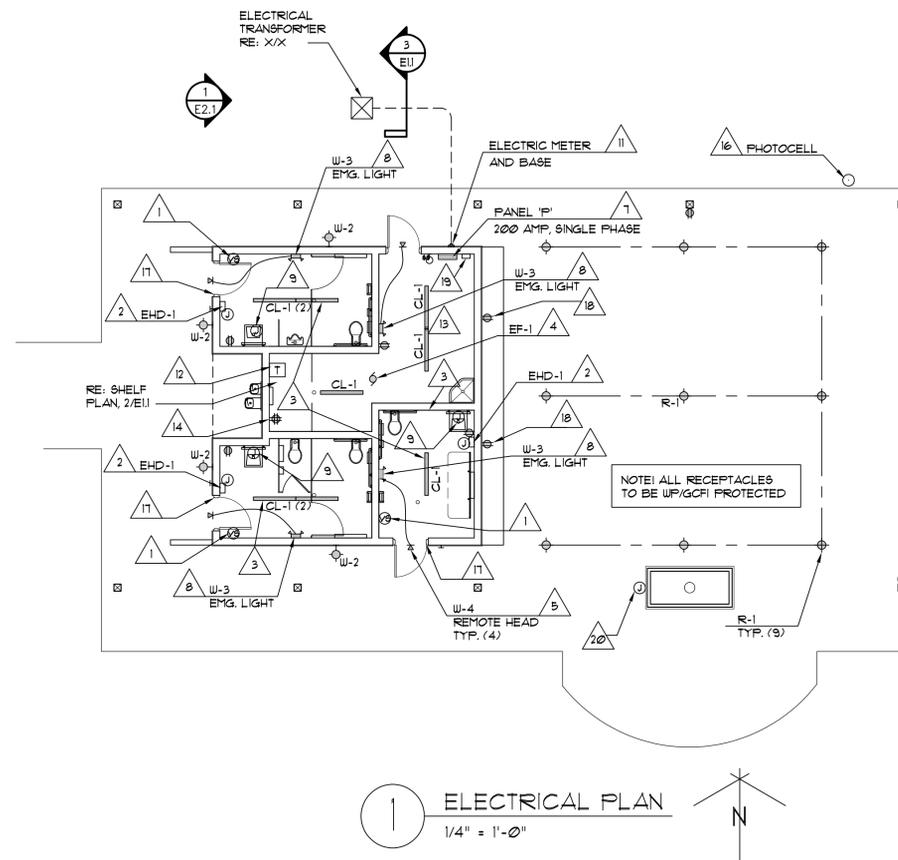
NOTE! ALL FIXTURES TO BE CAPABLE OF OPERATING AT LOW TEMPERATURES. COORDINATE REQUIREMENTS WITH MANUFACTURERS.



3 U/G ELECTRIC DETAIL
SCALE: 1" = 1'-0"



2 SHELF PLAN
SCALE: 1/8" = 1'-0"



1 ELECTRICAL PLAN
1/4" = 1'-0"

ELECTRICAL GENERAL NOTES

- ARRANGE FOR INSPECTION OF THE WORK BY THE CODE AUTHORITY HAVING JURISDICTION.
- ALL WORK SHALL COMPLY WITH THE LATEST NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES.
- ALL WIRING SHALL BE COPPER #12 THIN MINIMUM SIZE.
- INSTALL FULL WIRE IN ALL EMPTY CONDUITS.
- FIELD VERIFY EXACT LOCATIONS OF SERVICE ENTRY PANELS, ETC AND COORDINATE LOCATION WITH OTHER CONTRACTORS.
- CONTRACTOR IS RESPONSIBLE FOR ALL FEES, PERMITS AND INSPECTION RELATED WORK.
- WIRE NEW EXIT, EMERGENCY LIGHTS TO NEAREST FIXTURE LIGHTING CIRCUIT BY-PASSING SWITCH.
- FIELD VERIFY EXACT LOCATION OF OTHER CONTRACTOR'S EQUIPMENT AND PROVIDE EXACT POWER REQUIREMENTS.
- ALL DEVICES, CONTROLS, SWITCHES, ETC. TO BE LOCATED AT MINIMUM ADA HEIGHTS: SWITCHES AT 48" RECEPTABLES AT 15".

CODED NOTES INDICATED BY: Δ

- APPLICABLE TO SHEET E11
- CEILING MOUNTED VACANCY SENSOR (OS) MOUNT ON CEILING ABOVE SIDE WALL INTERLOCK RESTROOM LIGHT FIXTURES WITH THE EXHAUST FAN.
 - ELECTRIC HAND DRYER EHD-1, MOUNT 42" AFF. TO OPERATING MECHANISM.
 - MOUNT ON BOTTOM OF CEILING.
 - EXHAUST FAN EF-1, INTERLOCK WITH RESTROOM LIGHT FIXTURES THROUGH VACANCY SENSOR.
 - EGRESS LIGHTING REMOTE HEAD FROM RESTROOM EMERGENCY LIGHTS, MOUNT ABOVE RESTROOM DOOR HEAD.
 - ELECTRIC WATER HEATER EWH-1, MOUNT ON SHELF WITH DRIP PAN.
 - ELECTRICAL PANEL 'P', 200AMP/3 WIRE/SINGLE PHASE MOUNT 6' AFF. TO TOP OF PANEL.
 - BATTERY BACK-UP EMERGENCY LIGHT FIXTURE, MOUNT 8' AFF. RUN AHEAD OF LOCAL SWITCHING.
 - SENSOR OPERATED LAVATORY FAUCET CONTROLLER, PROVIDE LOW VOLTAGE TRANSFORMER AND WIRING, MAKE CONNECTIONS BELOW LAVATORY.
 - RUN EXTERIOR LIGHTING ON BUILDING THRU TIMER SWITCH/PHOTOCCELL.
 - PROVIDE UNDERGROUND SECONDARY ELECTRICAL SERVICE LINE FROM TRANSFORMER TO METER, RE: POWER RISER DIAGRAM.
 - DOOR HARDWARE EVENT TIMER COORDINATE WITH HARDWARE.
 - CHAIN MOUNT LIGHTS IN CHASE.
 - FOR WTR-1 MOUNT 36" AFF. COORDINATE WITH EQUIPMENT SUPPLIER FOR LOCATION ON SIDEWALL.
 - IN FLOOR HEATING SYSTEM RE-CIRCULATING PUMP.
 - WIRE THE TIMER TO THE PHOTOCCELL TO CONTROL EXTERIOR LIGHTS.
 - MAGNETIC DOOR SWITCH, RUN TO CONTROLLER IN CHASE.
 - WP/GFCI AT COUNTERTOP, 40" TO AFF.
 - DOOR SWITCH TIMER CONTROL PANEL.
 - FOR FIREPLACE, 20AMP

ELECTRICAL PLANS AND SCHEDULES

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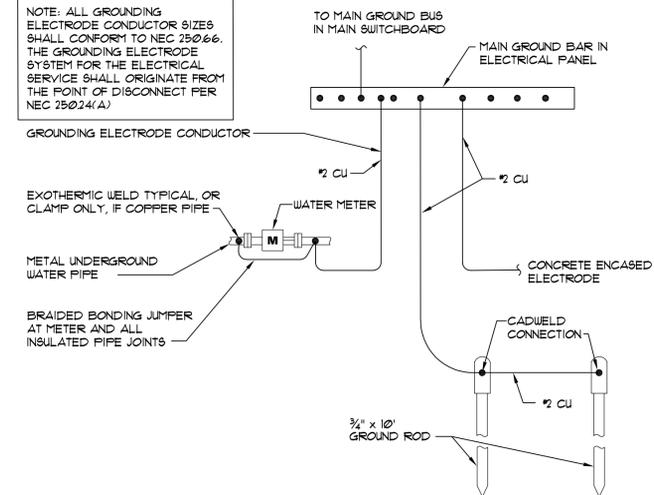
TONY R. SCHORR, LICENSE #8879
EXPIRATION DATE 12/31/2027
SIGNED *Tony Schorr* 02.12.2026
DATE

ELECTRICAL SYMBOLS

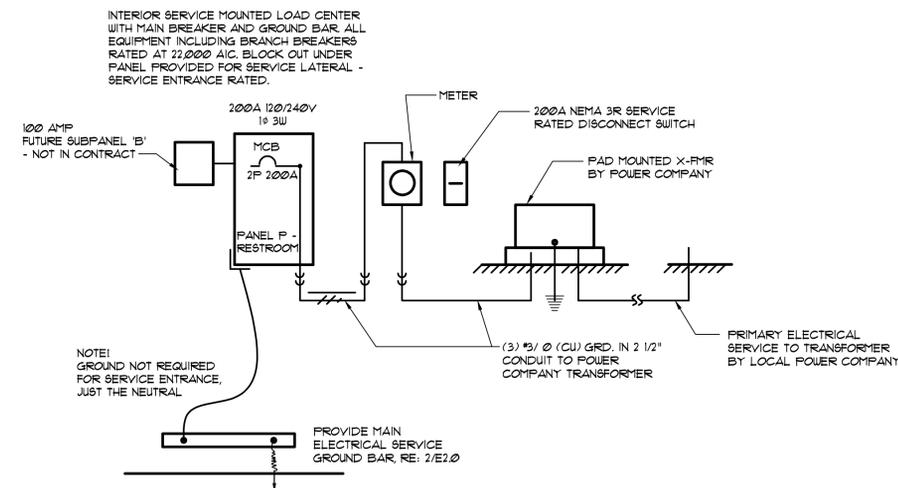
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	SWITCH, 3 WAY, 4 WAY, KEY, PILOT	48"		BATTERY POWERED EMERGENCY LIGHT	RTD
	DUPLEX RECEPT.	18"		ELECTRICAL PANEL	
	GROUND FAULT RECEPT.	RTD		THERMOSTAT	48"
	EXHAUST FAN	RTD		HOME RUN TO PANEL, CIRCUIT BREAKER NUMBER	
	JUNCTION BOX	RTD		PRESSURE SWITCH	
	VARIABLE SWITCH	48"			

NOTE: ALL GROUNDING ELECTRODE CONDUCTOR SIZES SHALL CONFORM TO NEC 250.66. THE GROUNDING ELECTRODE SYSTEM FOR THE ELECTRICAL SERVICE SHALL ORIGINATE FROM THE POINT OF DISCONNECT PER NEC 250.24(A)



2 **GROUNDING ELECTRODE SYSTEM**
NOT TO SCALE



1 **POWER RISER DIAGRAM**
NOT TO SCALE

ELECTRICAL POWER RISER DIAGRAM, DETAILS & SECTIONS

IMPROVEMENTS
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 1271 POLLOCK ROAD
 DELAWARE, OH 43015

PREPARED FOR:
 PRESENTATION PARKS OF DELAWARE COUNTY
 2656 HOGBACK ROAD
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schorr architects inc. 230 Bradenton Ave.
 Dublin, OH 43017
 (614) 798-2096

BID SET 02.12.2026

CD SET 01.22.2026

COMM. NO.: 2522

E2.1



TONY R. SCHORR, LICENSE #8879
 EXPIRATION DATE 12/31/2027
 SIGNED: *T. Schorr* DATE: 02.12.2026

GENERAL ABBREVIATIONS

A.	COMPRESSED AIRAB. ABOVE	G	GAS	SPEC.	SPECIFICATION
A.D.	ACCESS DOOR	GALV.	GALVANIZED	SQ.	SQUARE
A.D.	AREA DRAIN	G.C.	GENERAL CONTRACTOR	SQ.FT.	SQUARE FEET
A.F.F.	ABOVE FINISHED FLOOR	GEN.	GENERAL	S & R	SUPPLY & RETURN
AH	AIR HANDLER	G.I.	GREASE INTERCEPTOR	S.S.	SERVICE SINK
ALT.	ALTERNATE	GPM	GALLONS PER MINUTE	S.S.	STORM SEWER
ALUM.	ALUMINUM	GR	GRILLE	S.S., S/S	STAINLESS STEEL
A.P.	ACCESS PANEL	GRAV.	GRAVITY	ST	SOUND TRAP
APPROX.	APPROXIMATELY	G.T.C.	GENERAL TRADES CONTRACTOR	STAT	THERMOSTAT
ARCH.	ARCHITECT	HJHT.	HEIGHT	STD.	STANDARD
ARRT.	ARRANGEMENT	HAC	HEATING AND AIR CONDITIONING	STL.	STEEL
AUTO.	AUTOMATIC	HB	HOSE BIBB	STM.	STORM
AV	ACID VENT	HORIZ.	HORIZONTAL	SUCT./S	SUCTION
AT	AT	HP	HIGH PRESSURE	SW.	SWITCH
AW	ACID WASTE	HP	HORSEPOWER	SW	SOFTENED WATER
&	AND	HPS	HIGH PRESSURE STEAM	TD	TEMPERATURE DIFFERENCE
∠	ANGLE	H.S.	HAIR STRAINER	TEMP.	TEMPERATURE
BAL.	BALANCING	HTG.	HEATING	THERM.	THERMOMETER/ THERMOSTAT
B.D.D.	BACKDRAFT DAMPER	HTR.	HEATER	T*STAT	THERMOSTAT
BFP	BACKFLOW PREVENTER	HV	HEATING & VENTILATING	T.W.	TEMPERED WATER
BHP	BRAKE HORSEPOWER	HV	HIGH VELOCITY	TYP.	TYPICAL
BLDG.	BUILDING	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	UC	UNDERCUT
BSBD, RAD.	BASEBOARD RADIATION	H*STAT	HUMIDISTAT	UH	UNIT HEATER
BSMT.	BASEMENT	ID.	INSIDE DIAMETER	UR	URINAL
B.T.	BATH TUB	IN.	INSIDE	UV	UNIT VENTILATOR
B.T.	BLACKTOP	IND.	INDIRECT	V.	VENT
BTM.	BOTTOM	IND. U.	INDUCTION UNIT	VAC.	VACUUM
BTU	BRITISH THERMAL UNIT	INV.	INVERT	VC	VACUUM CLEANING
B.V.	BACKWATER VALVE	INV. ELEV.	INVERT ELEVATION	VCP	VITRIFIED CLAY PIPE
CAB.	CABINET	INSUL.	INSULATION	VERT.	VERTICAL
CAP.	CAPACITY	INT.	INTERIOR	VIB. ISO.	VIBRATION ISOLATOR
C.B.	CATCH BASIN	J.R.	JANITOR'S RECEPTOR	VSP	VITRIFIED SEWER PIPE
C.C.	CENTER TO CENTER	K.E.C.	KITCHEN EQUIPMENT CONTRACTOR	V.T.R.	VENT THRU ROOF
CEIL./CLG.	CEILING	L.	LENGTH	W.	WIDTH OR WATER
CFH	CUBIC FEET PER HOUR	LAB	LABORATORY	W/	WITH
CFM	CUBIC FEET PER MINUTE	L.A.T.	LEAVING AIR TEMPERATURE	WAT.	WATER
CHEM.	CHEMICAL	LAV	LAVATORY	WB	WET BULB
C.I.	CAST IRON	LH	LEFT HAND	WC	WATER CLOSET
CL	CENTERLINE	LPS	LOW PRESSURE STEAM	W.G.	WATER GAUGE
C.O.	CLEANOUT	LVG.	LEAVING	WH	WALL HYDRANT
COL.	COLUMN	L.W.T.	LEAVING WATER TEMP.	WH	WATER HEATER
COMB.	COMBINATION	M.A.	MIXED AIR	WO	WITHOUT
CONC.	CONCRETE	MAN. DPR.	MANUAL DAMPER	W/W	WALL TO WALL
COND.	CONDENSATE/CONDENSER	WAT.	WATER	XFMR	TRANSFORMER
CONN.	CONNECTION/CONNECT	MAX.	MAXIMUM	YD.	YARD
CONST.	CONSTRUCTION	MBH	THOUSAND BTU PER HOUR	YH	YARD HYDRANT
CONTR.	CONTRACTOR	MECH.	MECHANICAL		
CONV.	CONVECTOR/CONVERTER	MET/MTL.	METAL		
COORD.	COORDINATE	MEZZ.	MEZZANINE		
CUH	CABINET UNIT HEATER	MFR.	MANUFACTURER		
CJ. FT.	CUBIC FEET	MH	MANHOLE		
D.	DEEP	MIN.	MINIMUM		
DB	DRY BULB	MISC.	MISCELLANEOUS		
DBL	DOUBLE	M.O.	MOTOR OPERATED		
DCW	DOMESTIC COLD WATER	MPS	MEDIUM PRESSURE STEAM		
DET.	DETAIL	MS	MOTOR STARTER		
DEG. F.	DEGREES FARENHEIGHT	MTD./MT.	MOUNTED/MOUNT		
D.F.	DRINKING FOUNTAIN	N ₂	NITROGEN		
DHW	DOMESTIC HOT WATER	N.I.C.	NOT IN CONTRACT		
DHWR	DOM. HOT WATER RETURN	NO./#	NUMBER		
DIA. OR Ø	DIAMETER	NOM.	NOMINAL		
DIFF.	DIFFUSER	N.T.S.	NOT TO SCALE		
DIM.	DIMENSION	N-O	NITROUS OXIDE		
DISCH.	DISCHARGE	O.	OXYGEN		
D.L.	DOOR LOUVER	O.A.	OUTSIDE AIR		
D.M.	DAMPER MOTOR	O/C	ON CENTER		
DN.	DOWN	O.D.	OUTSIDE DIAMETER		
DPR.	DAMPER	O.I.	OIL INTERCEPTOR		
DR.	DOOR	OPG.	OPENING		
D.S.	DOWNSPOUT	OPP.	OPPOSITE		
DW	DISTILLED WATER	OU./OZ.	OUNCE		
DWH	DOMESTIC WATER HEATER	O.V.	OUTLET VELOCITY		
DWV	DRAIN, WASTE AND VENT	P.	PROPANE		
DWG.	DRAWING	P.	PLUMBING CONTRACTOR		
EA.	EACH	P.D.	PRESSURE DROP		
E.A.T.	ENTERING AIR TEMPERATURE	P.I.V.	POST INDICATOR VALVE		
E.C.	ELECTRICAL CONTRACTOR	P/L	PROPERTY LINE		
EFF.	EFFICIENCY	PLBG.	PLUMBING		
ELEC.	ELECTRIC, ELECTRICAL	PNEU.	PNEUMATIC		
ELEM.	ELEMENT	PRESS.	PRESSURE		
ELEV.	ELEVATION	PRV	PRESSURE REDUCING VALVE		
EMERG.	EMERGENCY	PROP.	PROPELLER		
ENGR.	ENGINEER	PSI	POUNDS PER SQUARE INCH		
ENT.	ENTERING	PSIG	POUNDS PER SQUARE INCH GAUGE		
EQUIP.	EQUIPMENT	PSF	POUNDS PER SQUARE FOOT		
E.S.P.	EXTERNAL STATIC PRESSURE	PT	PLASTER TRAP		
E.T.	EXPANSION TANK	R	REGISTER		
EW	EYE WASH	R.A.	RETURN AIR		
EWC	ELECTRIC WATER COOLER	RAD.	RADIUS/RADIATION/RADIATOR		
E.W.T.	ENTERING WATER TEMP.	R.D.	ROOF DRAIN		
EXH	EXHAUST	RECIRC.	RECIRCULATING		
EXIST.	EXISTING	REG.	REGISTER		
EXT.	EXTERIOR	REINF.	REINFORCED		
F.	FAN	REL	RELIEF		
F.	FIRE	REQ'D.	REQUIRED		
FD	FLOOR DRAIN	RH	RIGHT HAND		
F.D.	FIRE DAMPER	RHC	REHEAT COIL		
F.E.	FIRE EXTINGUISHER	RM.	ROOM		
F.E.C.	FIRE EXTINGUISHER CABINET	RPM	REVOLUTIONS PER MINUTE		
F.S.E.C.	FOOD SERVICE EQUIPMENT CONTRACTOR	RWC	RAINWATER CONDUCTOR		
F.H.	FIRE HYDRANT	RW	RAW WATER		
F.H.C.	FIRE HOSE CABINET	R/W	RIGHT OF WAY		
F.H.E.C.	FIRE HOSE/EXTINGUISHER CABINET	S.	SINK		
FIG.	FIGURE	S.A.	SHOCK ABSORBER		
FIN.	FINISH	S.A.	SUPPLY AIR		
FIN. RAD.	FINNED RADIATION	SAN.	SANITARY SEWER		
FLEX.	FLEXIBLE	SB	SHAMPOO BOWL		
FLR./FL.	FLOOR	SD	SMOKE DETECTOR		
FPM	FEET PER MINUTE	SD	SHOWER DRAIN		
F & T	FLOAT & THERMOSTATIC	S. DPR.	SMOKE DAMPER		
FT.	FEET	SECT.	SECTION		
FT. HD.	FEET OF HEAD	S.F.	SQUARE FEET		
FOR	FUEL OIL RETURN	SHR.	SHOWER		
FOS	FUEL OIL SUPPLY	SHT.	SHEET		
FPC	FIRE PROTECTION CONTRACTOR	SHT. MTL.	SHEET METAL		
FURN.	FURNISHED	S.M., S/M	SHEET METAL		
F.V.	FLUSH VALVE	S.P.	STATIC PRESSURE		

ELECTRICAL SYMBOLS

1. ALL SYMBOLS NOT NECESSARILY USED.
 2. MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.
 3. MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.
 4. RTD. REFER TO DRAWING.
 5. ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" INTO CORRIDORS AND WALKWAYS AS NECESSARY TO MEET A.D.A. CLEARANCE REQUIREMENTS.

SYMBOL	ITEM	M.H.	SYMBOL	ITEM	M.H.
	SURFACE MOUNTED LIGHTING FIXTURE			FIRE ALARM CONTROL PANEL	TOP @ 60"
	RECESSED MOUNTED LIGHTING FIXTURE			FIRE ALARM ANNUNCIATOR	TOP @ 60"
	LIGHTING ON EMERGENCY CIRCUIT			EMERGENCY GENERATOR ANNUNCIATOR	TOP @ 48"
	CEILING MOUNTED FIXTURE			AUDIOVISUAL ALARM BELL	80"
	LIGHTING ON EMERGENCY CIRCUIT			VISUAL ALARM STROBE	80"
	WALL MOUNTED FIXTURE	RTD		DUCT SMOKE DETECTOR	
	SINGLE FACE EXIT LIGHT W/DIRECTION ARROW			CEILING SMOKE DETECTOR	
	DOUBLE FACE EXIT LIGHT W/DIRECTION ARROWS			CEILING SMOKE DETECTOR W/ SOUNDER BASE	
	SWITCH, 3-WAY, 4-WAY, KEY, PILOT	48"		HEAT DETECTOR	
	SWITCH, LOW VOLTAGE	48"		MAGNETIC DOOR HOLD-OPEN DEVICE	RTD
	PUSHBUTTON SWITCH	48"		WATER FLOW SWITCH	
	SWITCHED LOADS, WIRING & CONDUIT			SUPERVISORY SWITCH	
	PUSHBUTTON SWITCH	48"		PRESSURE SWITCH	
	WALL DIMMER, 3-WAY	48"		TAMPER SWITCH	
	LOW VOLTAGE WALL DIMMER	48"		FIRE ALARM SYSTEM CONDUIT	
	DUPLEX RECEPT. QUADRUPLEX	18"		TV OUTLET	18"
	SINGLE RECEPT.	18"		TV SYSTEM CONDUIT	
	LIGHT OR DEVICE ON EMERG. CIRCUIT			CLOCK OUTLET	80"
	FLOOR RECEPT., FLOOR TELEPHONE OUTLET			CLOCK	80"
	TELEPHONE OUTLET	18"		CLOCK SYSTEM CONDUIT	
	TELEPHONEDATA OUTLET	18"		INTERCOM MASTER	RTD
	DATA OUTLET	18"		INTERCOM STAFF STATION	48"
	TELEPHONE CONDUIT			REMOTE INTERCOM	48"
	30 AMP, 208V. OUTLET	18"		INTERCOM SYSTEM CONDUIT	
	SPECIAL POWER OUTLET	18"		CEILING SPEAKER	
	JUNCTION BOX	RTD		TRUMPET SPEAKER	80"
	SINGLE-PHASE MOTOR			CEILING SOUND REINFORCEMENT SPEAKER	
	THREE-PHASE MOTOR			WALL SOUND REINFORCEMENT SPEAKER	80"
	MAGNETIC STARTER			VOLUME CONTROL	48"
	COMBINATION STARTER/DISCONNECT SWITCH			HORN SPEAKER	80"
	DISCONNECT SWITCH			MICROPHONE JACK	RTD
	ELECTRIC METER			BUZZER	80"
	SPEED CONTROLLER	48"		LOW VOLTAGE TRANSFORMER	RTD
	ELECTRIC THERMOSTAT	48"		SOUND SYSTEM CONDUIT	
	PANELBOARD	TOP @ 72"		PROGRAM BELL	80"
	WIRING ABOVE CEILING OR IN JOIST SPACE			WEATHERPROOF	
	WIRING UNDER FLOOR OR IN WALL			CCT	
	HOME RUN TO PANEL 'A', 2-POLE BRKR.			GFI	
	EMERGENCY CIRCUIT			BEDSIDE STATION (SINGLE, DUAL)	60"
	MANUAL FIRE ALARM PULL STATION	48"		EMERGENCY STAFF STATIONS	48"
	AUDIO ALARM HORN	80"		NURSE'S CALL ANNUNCIATOR	
	CEILING SMOKE DET. W/ SOUNDER BASE			NURSE'S CALL SYSTEM CONDUIT	
	AUDIOVISUAL ALARM HORN/STROBE	80"		EXISTING LIGHT, DEVICE OR SWITCH	
	AUDIOVISUAL ALARM SPEAKER/STROBE	80"		RELOCATED EXISTING DEVICE	
	AUDIO ALARM BELL	80"		EXISTING WIRING TO REMAIN	
	CONTACTOR 'C'			ITEM TO BE REMOVED	
	SECURITY MOTION DETECTOR	84"		TIME CLOCK	
	SECURITY DOOR SWITCH			BLANK OUTLET BOX	RTD
	SECURITY WINDOW SWITCH			CONNECT TO EXISTING	
	ELECTRIC LOCK			SECURITY GLASS BREAK	
	REMOTE DOOR RELEASE	48"		SECURITY SIREN	80"
	CARD READER	48"		PHOTOCELL	
	CCTV CAMERA	RTD		OCCUPANCY/VACANCY SENSOR (WALL)	
	ALARM STROBE/BEACON	80"		OCCUPANCY/VACANCY SENSOR (CEILING)	
	ISOLATED GROUND RECEPTACLE	18"		DIMMING VACANDY SENSOR	
				AUXILIARY WALL PANEL	80"

ELECTRICAL SHEET INDEX

SE0	ELECTRICAL ABBREVIATIONS AND SYMBOLS
SE1	SITE ELECTRICAL PLANS
SE2	SITE ELECTRICAL DETAILS

ELECTRICAL ABBREVIATIONS AND SYMBOLS

HICKORY WOODS PARK
 SHELTER HOUSE
 1271 POLLOCK ROAD
 DELAWARE, OH 43015

PREPARED FOR:
 PRESERVATION PARKS OF DELAWARE COUNTY
 2656 HOGBACK ROAD
 SUNBURY, OHIO 43074

schorr architects inc. 230 Bradenton Ave.
 Dublin, OH 43017
 (614) 798-2096

PERMIT/BID 02.12.2026

CD SET 01.22.2026

COMM. NO.: 2522

SEO



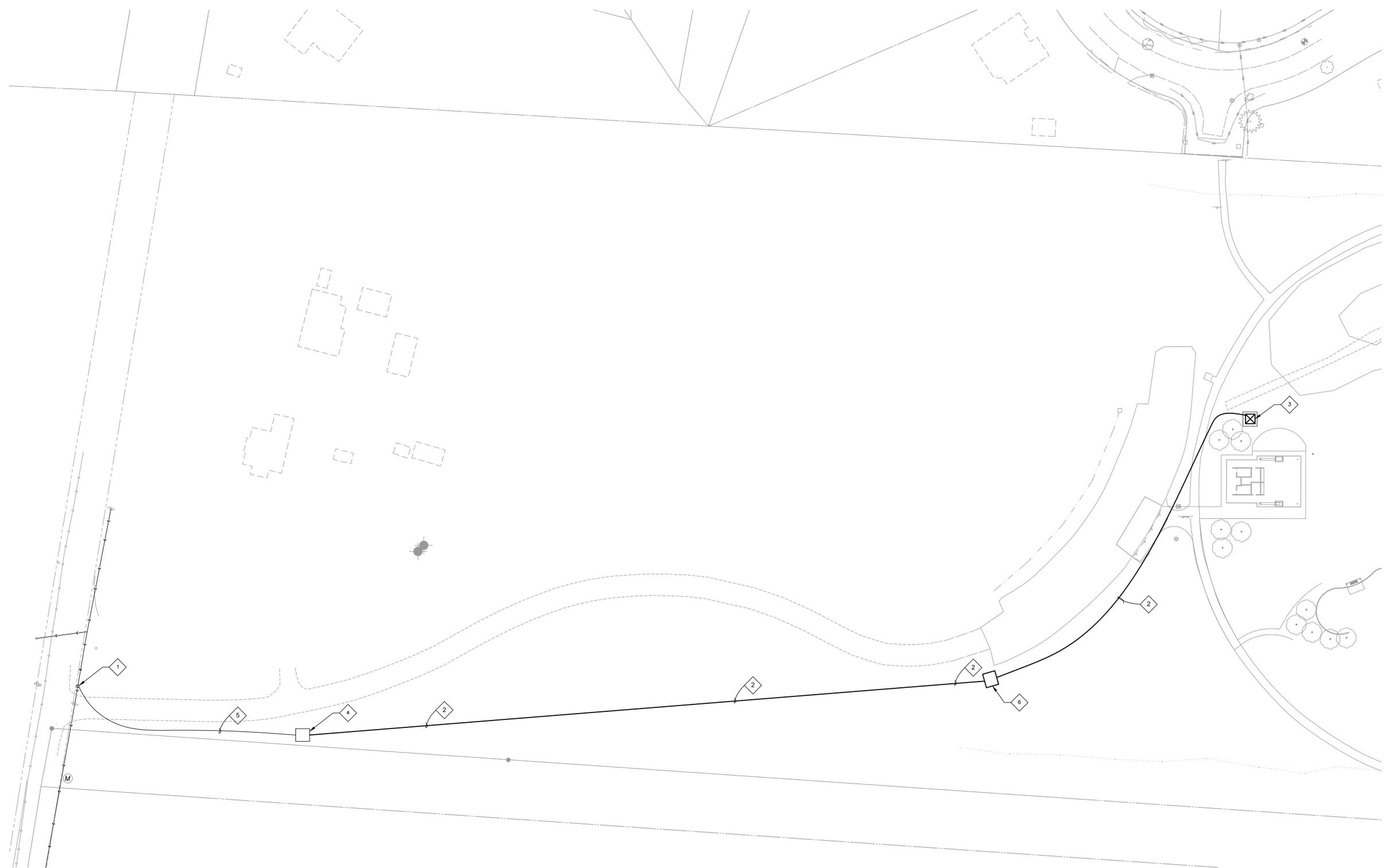
ROGER D. FIELDS ASSOCIATES, INC.
 580 N. 4th St., Suite 240
 Columbus, Ohio 43215
 (614) 451-2248
 www.rdfa.com
 Project #: 25019
 Checked By: SKS



Designed By: LH

ELECTRICAL CODED NOTES

1. EXISTING POWER COMPANY UTILITY POLE TO REMAIN.
2. NEW UNDERGROUND PRIMARY CABLING PROVIDED BY POWER COMPANY. (2) 5" SCHEDULE 40 PVC CONDUITS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. REFER TO DETAIL 2 ON SHEET SE2.
3. NEW TRANSFORMER PROVIDED BY POWER COMPANY. PROVIDE CONCRETE PAD PER POWER COMPANIES REQUIREMENTS.
4. EXISTING SPLICE PIT TO REMAIN.
5. EXISTING UNDERGROUND PRIMARY CABLING TO REMAIN.
6. PROVIDE NEW GRADE MOUNTED PULLBOX. COORDINATE EXACT LOCATION WITH POWER COMPANY. REFER TO DETAIL 3 ON SHEET SE2.



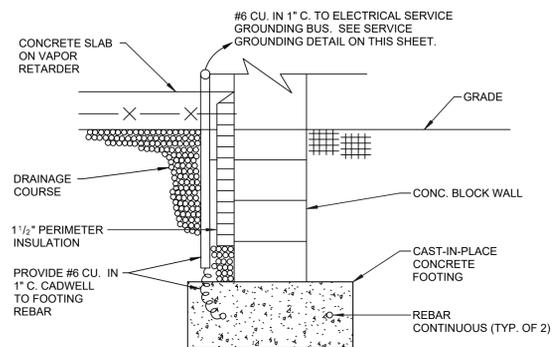
SITE ELECTRICAL PLAN	
<p>HICKORY WOODS PARK SHELTER HOUSE 1271 POLLOCK ROAD DELAWARE, OH 43015</p> <p>PREPARED FOR: PRESERVATION PARKS OF DELAWARE COUNTY 2656 HOGBACK ROAD SUNBURY, OHIO 43074</p>	
<p>schorr architects inc.</p>	<p>230 Bradenton Ave. Dublin, OH 43017 (614)798-2096</p>
<p>PERMIT/BID 02.12.2026</p> <p>CD SET 01.22.2026</p> <p>COMM. NO.: 2522</p>	
SE1	

1
SITE ELECTRICAL PLAN
 1" = 50'

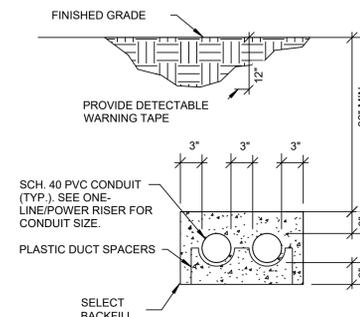
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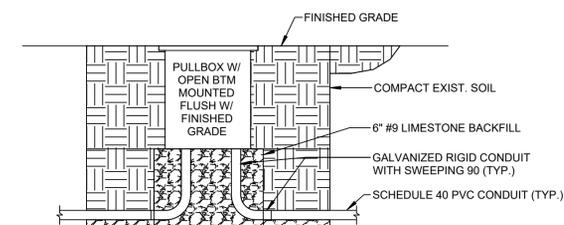
Designed By: LH



1 FOUNDATION REBAR BONDING DETAIL
N.T.S.



2 2-CORE PRIMARY DUCTBANK DETAIL
N.T.S.



3 GRADE MOUNTED PULLBOX DETAIL
N.T.S.

SITE ELECTRICAL DETAILS

HICKORY WOODS PARK
SHELTER HOUSE
1271 POLLOCK ROAD
DELAWARE, OH 43015

PREPARED FOR:
PRESERVATION PARKS OF DELAWARE COUNTY
2656 HOGBACK ROAD
SUNBURY, OHIO 43074

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SE2



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