

New outdoor reading room to consist of landscaping walls along with new entry steps and ramp.

This project was designed under the 2017 OBC, 2017 NEC, 2017 OPC and 2017 OMC.  
Ramp and stairs are to be constructed of stone veneer on concrete masonry units.

Ben Heckman  
2411 E. Main Street, Bexley, Ohio, 43209

Brian Marzich  
2465 Seneca Park Place, Bexley, Ohio, 43209  
Phone 614-314-0260

Chad Macwhinney  
2130 Quarry Trails Drive 2nd Floor, Columbus, Ohio 43228  
Phone 614-299-2999

Jim Miller  
537 East Pete Rose Way, Cincinnati, Ohio 45202  
Phone 513-562-2718

Sean Smith  
6225 Emerald Parkway, Dublin, Ohio 43016  
Phone 614-408-3862

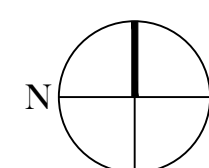
Elena Andrews  
271 S. Cassingham Road, Columbus, Ohio 43209  
Phone 626-676-3330

A0.1	COVER SHEET
A0.2	LAYDOWN AREA

D1.0	DEMOLITION PLAN
A1.0	FOUNDATION PLAN
A1.1	CONSTRUCTION PLAN
A1.2	PARKING LOT WALL - ALTERNATE #1
A2.0	ELEVATIONS, DETAILS
A2.1	ELEVATIONS, DETAILS
A3.0	SECTIONS

ED1.1	ELECTRICAL DEMOLITION PLAN
E1.1	LIGHTING PLAN
E1.2	POWER PLAN
E2.1	ELECTRICAL SPECIFICATIONS

## No Scale

614 314 0260  
PLACE BEXLEY, OHIO 43209

2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025

Scale: VARIES

Sheet:

# BID SET

JUNE 6, 2025



spruce

271 S. CASSINGHAM RD.  
COLUMBUS, OH 43209  
T (626) 626-3330

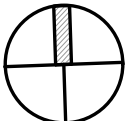
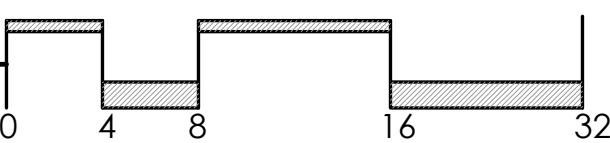
SETS & REVISIONS:	DATE:
BID SET	6-6-25

OUTDOOR READING  
ROOM

2411 E MAIN ST  
BEXLEY, OH 43209

LAYDOWN AREA

ALL DRAWING ARE THE ORIGINAL WORK OF SPRUCE LLC AND MAY NOT BE DISCLOSED, USED OR DUPLICATED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF SPRUCE LLC. SPRUCE LLC RESERVES THE RIGHT TO SUBSTITUTE PLANTS DUE TO AVAILABILITY AND QUALITY.



M:\584028\_BexleyPublicLibrary\DWG\Exhibits\584028\_PropGradingDetail.dwg -JTOP LAST EDITED BYCDM ON 6/6/25



**E. P. FERRIS**  
AND  
**ASSOCIATES**  
INC

Consulting Civil Engineers and Surveyors

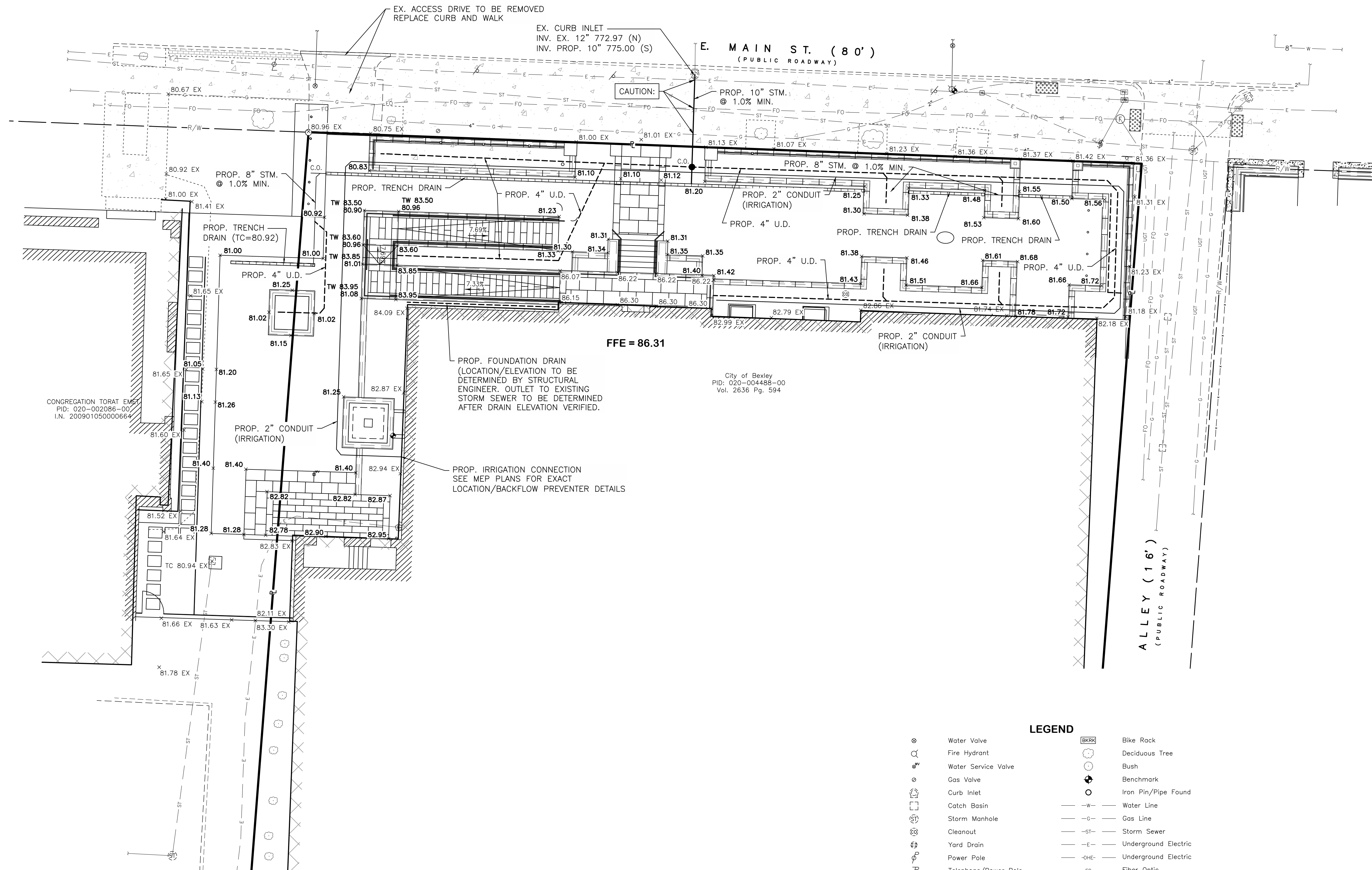
2130 QUARRY TRAILS DR.  
2ND FLOOR  
COLUMBUS, OHIO 43228  
(614) 299-2999  
(614) 299-2992 (Fax)  
www.EPFERRIS.com

CITY OF BEXLEY, OHIO  
**BEXLEY PUBLIC LIBRARY**

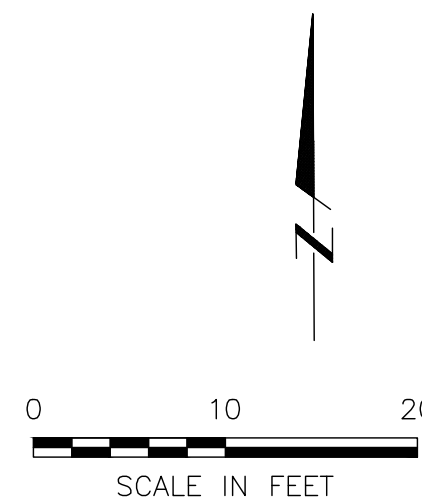
JOB NO. 584.028  
DESIGNED BY: CDM  
DRAWN BY: CDM  
CHECKED BY: CDM  
APPROVED BY: \_\_\_\_\_  
DATE: 6/6/25

**GRADING DETAIL**

SCALE:  
1" = 10'  
SHEET NO. 1 OF 1



LEGEND	
	Water Valve
	Fire Hydrant
	Water Service Valve
	Gas Valve
	Curb Inlet
	Catch Basin
	Storm Manhole
	Cleanout
	Yard Drain
	Power Pole
	Telephone/Power Pole
	Light Pole
	Electric Box
	Pull Box
	Electric Meter
	Fiber Optic Manhole
	Yard Light
	Traffic Signal Pole
	Traffic Pedestal
	Flag
	Sign
	Bollard
	Bike Rack
	Deciduous Tree
	Bush
	Benchmark
	Iron Pin/Pipe Found
	Water Line
	Gas Line
	Storm Sewer
	Underground Electric
	Fiber Optic
	Fence
	Hand Rail
	Bush Line
	Property Line
	Right-of-Way
	Clean-Out





EXPIRATION DATE: 12-31-2025

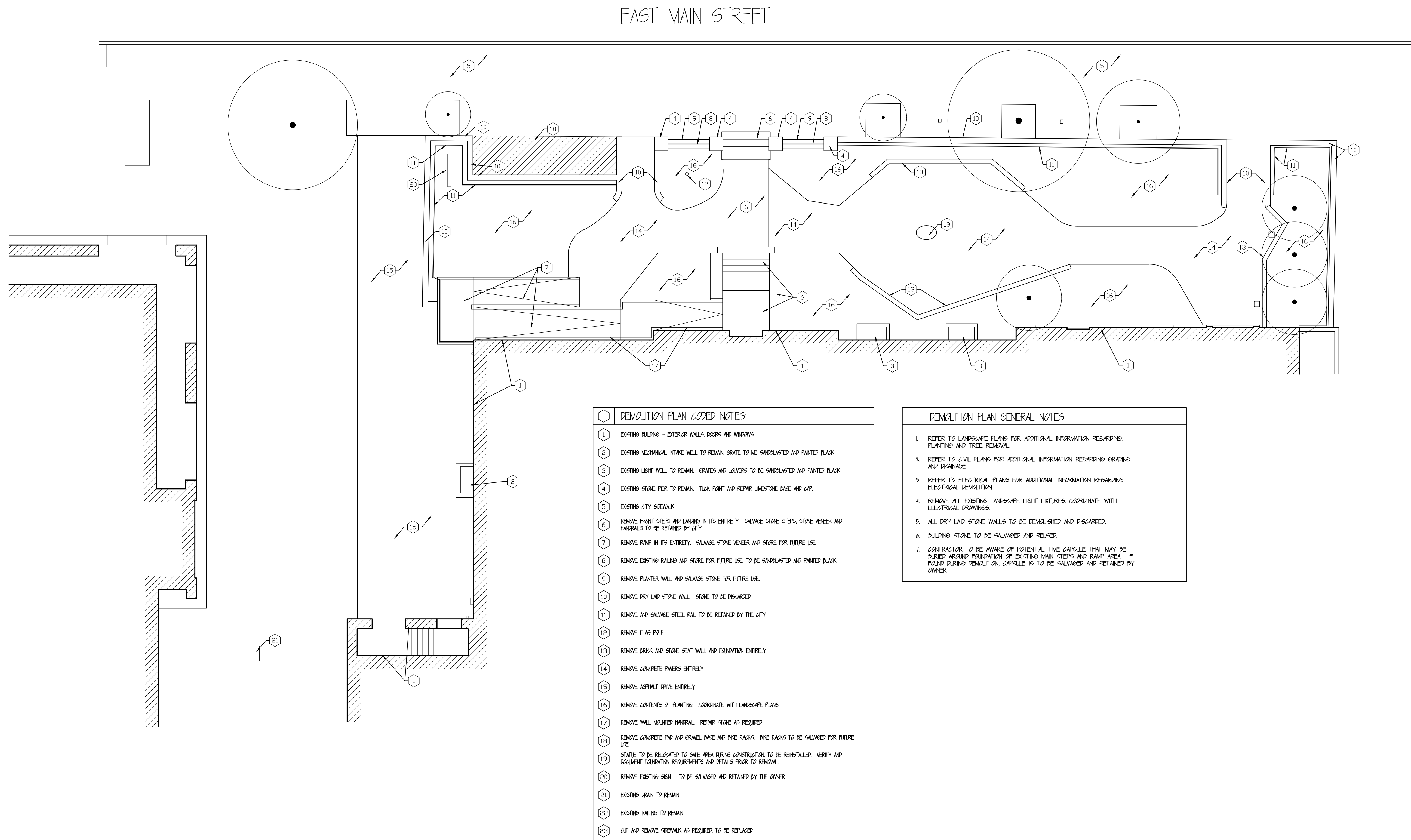
**MARZICH**  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

# OUTDOOR READING ROOM

2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025  
Scale: VARIES  
Sheet:

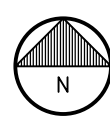
D1.0



EAST MAIN STREET

DEMOLITION PLAN CODED NOTES:
1. EXISTING BUILDING - EXTERIOR WALLS, DOORS AND WINDOWS
2. EXISTING MECHANICAL INTAKE WELL TO REMAIN. GRATE TO BE SANDBLASTED AND PAINTED BLACK
3. EXISTING LIGHT WELL TO REMAIN. GRATES AND LAMERS TO BE SANDBLASTED AND PAINTED BLACK
4. EXISTING STONE PIER TO REMAIN. TUCK POINT AND REPAIR LIMESTONE BASE AND CAP
5. EXISTING CITY SIDEWALK
6. REMOVE FRONT STEPS AND LANDING IN ITS ENTIRETY. SALVAGE STONE STEPS, STONE VENEER AND HANDRAILS TO BE RETAINED BY CITY
7. REMOVE RAMP IN ITS ENTIRETY. SALVAGE STONE VENEER AND STORE FOR FUTURE USE
8. REMOVE EXISTING RAILING AND STORE FOR FUTURE USE. TO BE SANDBLASTED AND PAINTED BLACK
9. REMOVE PLANTER WALL AND SALVAGE STONE FOR FUTURE USE
10. REMOVE DRY LAD STONE WALL. STONE TO BE DISCARDED
11. REMOVE AND SALVAGE STEEL RAIL TO BE RETAINED BY THE CITY
12. REMOVE FLAG POLE
13. REMOVE BRICK AND STONE SEAT WALL AND FOUNDATION ENTIRELY
14. REMOVE CONCRETE PAVERS ENTIRELY
15. REMOVE ASPHALT DRIVE ENTIRELY
16. REMOVE CONTENTS OF PLANTING. COORDINATE WITH LANDSCAPE PLANS
17. REMOVE WALL MOUNTED HANDRAIL. REPAIR STONE AS REQUIRED
18. REMOVE CONCRETE PAD AND GRAVEL BASE AND PINE RACKS. PINE RACKS TO BE SALVAGED FOR FUTURE USE
19. STATUE TO BE RELOCATED TO SAFE AREA DURING CONSTRUCTION TO BE REINSTALLED. VERIFY AND DOCUMENT FOUNDATION REQUIREMENTS AND DETAILS PRIOR TO REMOVAL
20. REMOVE EXISTING SIGN - TO BE SALVAGED AND RETAINED BY THE OWNER
21. EXISTING DRAIN TO REMAIN
22. EXISTING RAILING TO REMAIN
23. CUT AND REMOVE SIDEWALK AS REQUIRED. TO BE REPLACED

DEMOLITION PLAN GENERAL NOTES:
1. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING PLANTING AND TREE REMOVAL
2. REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION REGARDING GRADING AND DRAINAGE
3. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION REGARDING ELECTRICAL DEMOLITION
4. REMOVE ALL EXISTING LANDSCAPE LIGHT FIXTURES. COORDINATE WITH ELECTRICAL DRAWINGS
5. ALL DRY LAD STONE WALLS TO BE DEMOLISHED AND DISCARDED
6. BUILDING STONE TO BE SALVAGED AND REUSED
7. CONTRACTOR TO BE AWARE OF POTENTIAL TIME CAPSULE THAT MAY BE BURIED AROUND FOUNDATION OF EXISTING MAIN STEPS AND RAMP AREA. IF FOUND DURING DEMOLITION, CAPSULE IS TO BE SALVAGED AND RETAINED BY OWNER



DEMOLITION PLAN - LIBRARY  
1/8"=1'-0"



EXPIRATION DATE: 12-31-2025

**MARZICH**  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

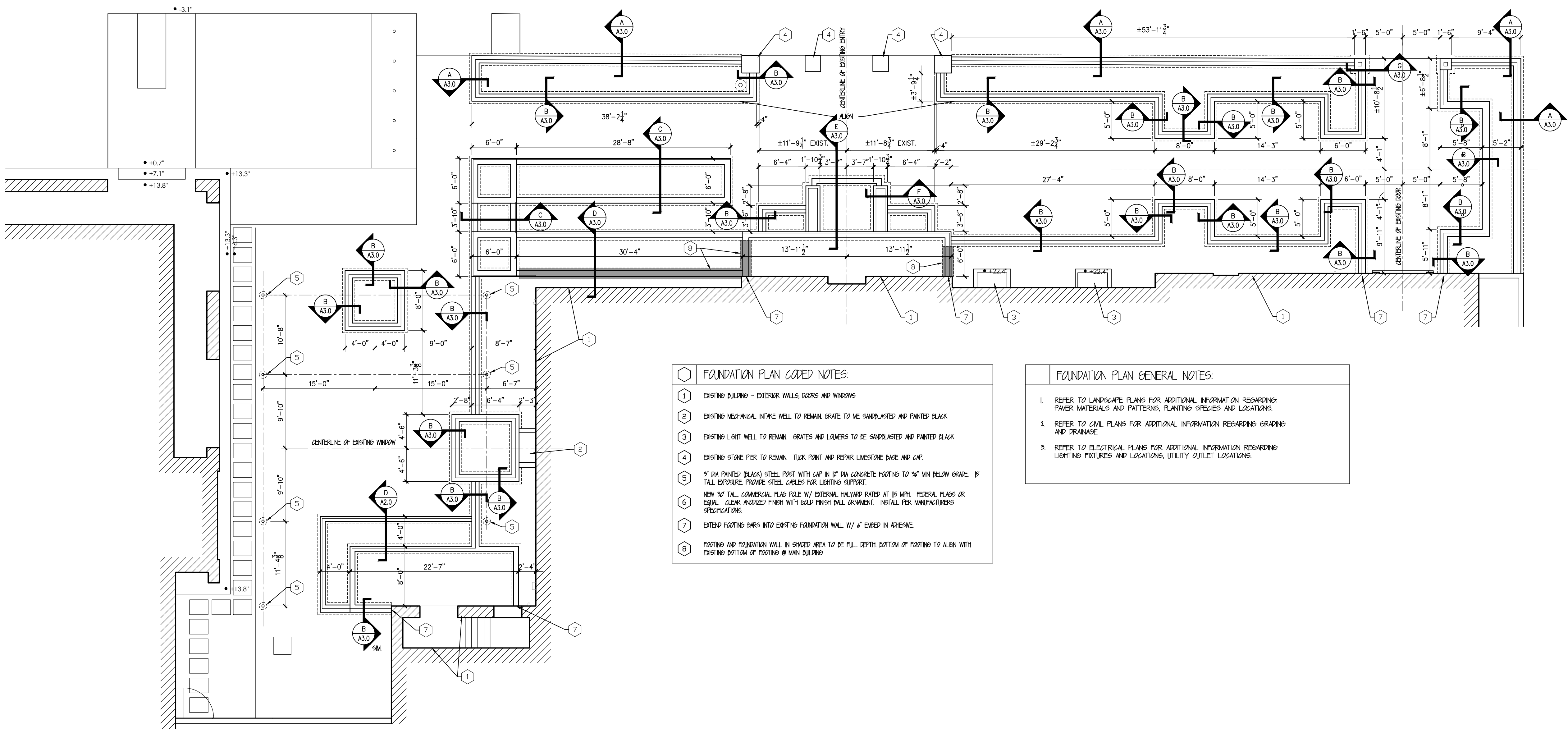
# OUTDOOR READING ROOM

2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025  
Scale: VARIES  
Sheet:

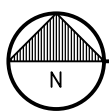
A1.0

EAST MAIN STREET

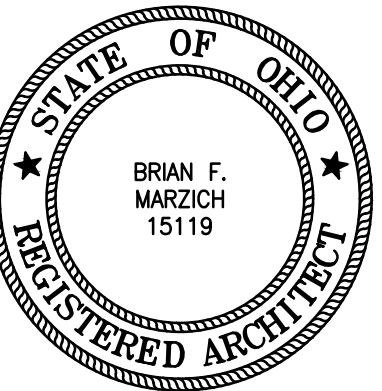


- FOUNDATION PLAN CODED NOTES:**
- 1. EXISTING BUILDING - EXTERIOR WALLS, DOORS AND WINDOWS
  - 2. EXISTING MECHANICAL INTAKE WELL TO REMAIN. GRATE TO BE SANDBLASTED AND PAINTED BLACK
  - 3. EXISTING LIGHT WELL TO REMAIN. GRATES AND LAMERS TO BE SANDBLASTED AND PAINTED BLACK
  - 4. EXISTING STONE PER TO REMAIN. TUCK POINT AND REPAIR LIMESTONE DAGE AND CAP
  - 5. 3" DIA PAINTED (BLACK) STEEL POST WITH CAP IN 12" DIA CONCRETE FOOTING TO 3/4" MIN BELOW GRADE. 15' TALL EXPOSURE. PROVIDE STEEL CABLES FOR LIGHTING SUPPORT.
  - 6. NEW 30' TALL COMMERCIAL FLAG POLE W/ EXTERNAL HALLYARD RATED AT 15 MPH. FEDERAL FLAGG OR EQUAL. CLEAR ANODIZED FINISH WITH GOLD FINISH BALL ORNAMENT. INSTALL PER MANUFACTURERS SPECIFICATIONS
  - 7. EXTEND FOOTING BARS INTO EXISTING FOUNDATION WALL W/ 6" ENBED IN ADHESIVE
  - 8. FOOTING AND FOUNDATION WALL IN SHADDED AREA TO BE FULL DEPTH. BOTTOM OF FOOTING TO ALIGN WITH EXISTING BOTTOM OF FOOTING @ MAIN BUILDING

- FOUNDATION PLAN GENERAL NOTES:**
- 1. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING: PAVEMENT MATERIALS AND PATTERNS, PLANTING SPECIES AND LOCATIONS
  - 2. REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION REGARDING GRADING AND DRAINAGE
  - 3. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURES AND LOCATIONS, UTILITY OUTLET LOCATIONS



FOUNDATION PLAN - LIBRARY  
1/8"=1'-0"



EXPIRATION DATE: 12-31-2025

**MARZICH**  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

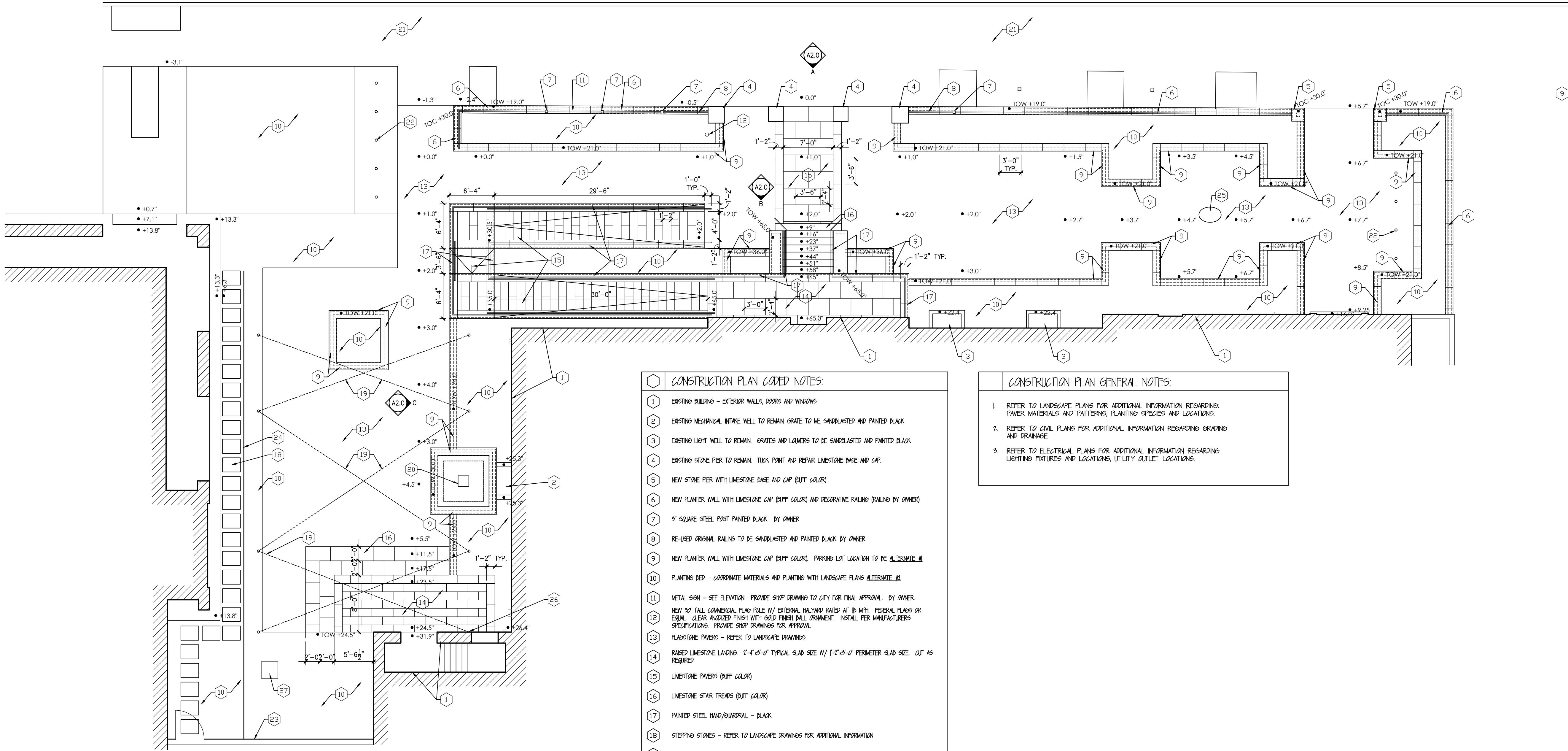
# OUTDOOR READING ROOM

2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025  
Scale: VARIES  
Sheet:

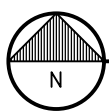
A1.1

EAST MAIN STREET



CONSTRUCTION PLAN CODED NOTES:
1 EXISTING BUILDING - EXTERIOR WALLS, DOORS AND WINDOWS
2 EXISTING MECHANICAL INTAKE WELL TO REMAIN. GRATE TO BE SANDBLASTED AND PAINTED BLACK
3 EXISTING LIGHT WELL TO REMAIN. GRATES AND LOUVERS TO BE SANDBLASTED AND PAINTED BLACK
4 EXISTING STONE PER TO REMAIN. TUCK POINT AND REPAIR LIMESTONE BASE AND CAP
5 NEW STONE PER WITH LIMESTONE BASE AND CAP (BUFF COLOR)
6 NEW PLANTER WALL WITH LIMESTONE CAP (BUFF COLOR) AND DECORATIVE RAILING (RAILING BY OWNER)
7 5" SQUARE STEEL POST PAINTED BLACK BY OWNER
8 RE-USE ORIGINAL RAILING TO BE SANDBLASTED AND PAINTED BLACK BY OWNER
9 NEW PLANTER WALL WITH LIMESTONE CAP (BUFF COLOR). PARKING LOT LOCATION TO BE ALTERNATE #1
10 PLANTING BED - COORDINATE MATERIALS AND PLANTING WITH LANDSCAPE PLANS ALTERNATE #1
11 METAL SIGN - SEE ELEVATION. PROVIDE SHOP DRAWING TO CITY FOR FINAL APPROVAL BY OWNER
12 NEW 30" TALL COMMERCIAL FLAG POLE W/ EXTERNAL HALLYARD RATED AT 15 MPH. FEDERAL FLAG OR EQUAL. CLEAR ANCHORED FINISH WITH GOLD FINISH BALL ORNAMENT. INSTALL PER MANUFACTURERS SPECIFICATIONS. PROVIDE SHOP DRAWINGS FOR APPROVAL
13 FLAGSTONE PAVING - REFER TO LANDSCAPE DRAWINGS
14 RAMPED LIMESTONE LANDING. 3'-4"x5'-0" TYPICAL SLAB SIZE W/ 1'-5"x5'-0" PERIMETER SLAB SIZE. CUT AS REQUIRED
15 LIMESTONE PAVING (BUFF COLOR)
16 LIMESTONE STAIR TREADS (BUFF COLOR)
17 PAINTED STEEL HANDRAIL/RAILING - BLACK
18 STEPPING STONES - REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
19 GATEWAY LIGHTING WITH 5" DIA BLACK PAINTED STEEL POSTS AND SUPPORT CABLES
20 COPPER TREE WATER FOUNTAIN - REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE POWER, WATER AND DRAINAGE REQUIREMENTS WITH MANUFACTURER. BY OWNER
21 EXISTING CITY SIDEWALK
22 SALVAGED BIKE RACKS - REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
23 4" HIGH PAINTED ALUMINUM FENCE TO MATCH EXISTING AND GATE. SEE ELEVATION C/A1. PROVIDE 4" WIDE PEDESTRIAN GATE. CONTROL MANUAL AND ELECTRIC LOCK REQUIREMENTS WITH OWNER. BY OWNER
24 4" HIGH ALUMINUM FENCE. SEE ELEVATION D/A1
25 REINSTALL SCULPTURE. REPLICATE FOUNDATION REQUIREMENTS AND DETAILS
26 PROVIDE ANCHOR EYELET FOR GATEWAY LIGHTING AND SUPPORT CABLES
27 EXISTING DRAIN
28 EXISTING RAILING TO REMAIN. PAINT BLACK
29 CUT, REMOVE AND REPLACE SIDEWALK AS REQUIRED

CONSTRUCTION PLAN GENERAL NOTES:
1. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING: PAVING MATERIALS AND PATTERNS, PLANTING SPECIES AND LOCATIONS.
2. REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION REGARDING GRADING AND DRAINAGE.
3. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURES AND LOCATIONS, UTILITY OUTLET LOCATIONS.

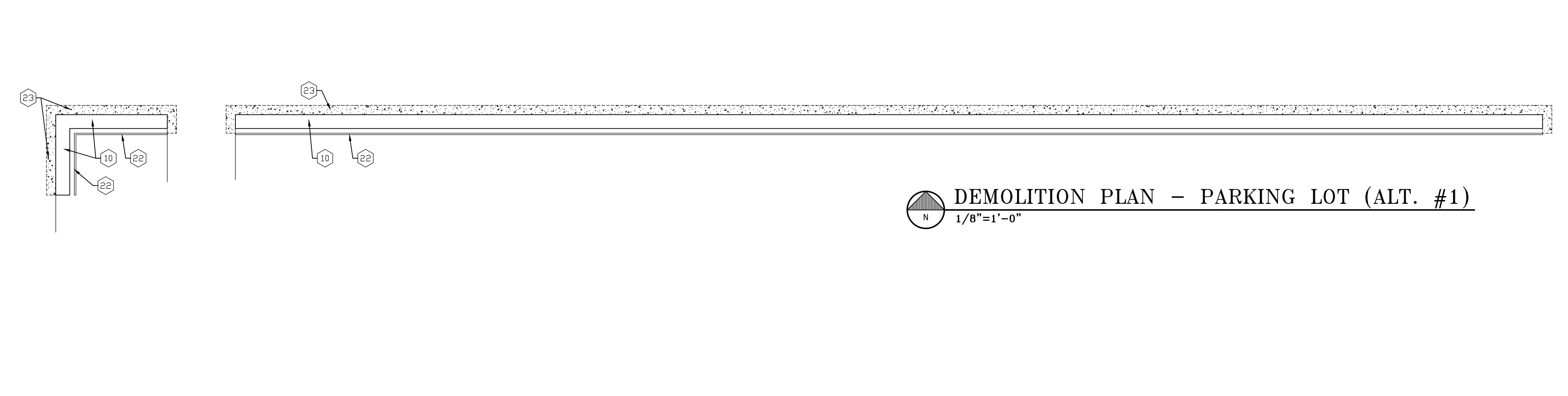
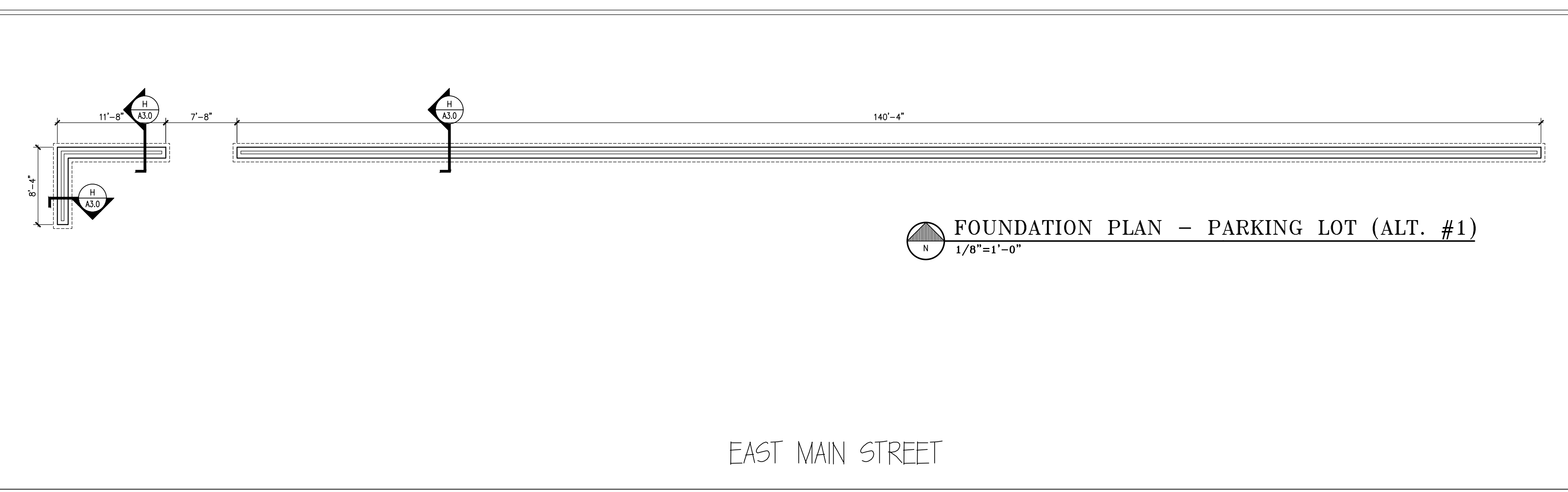
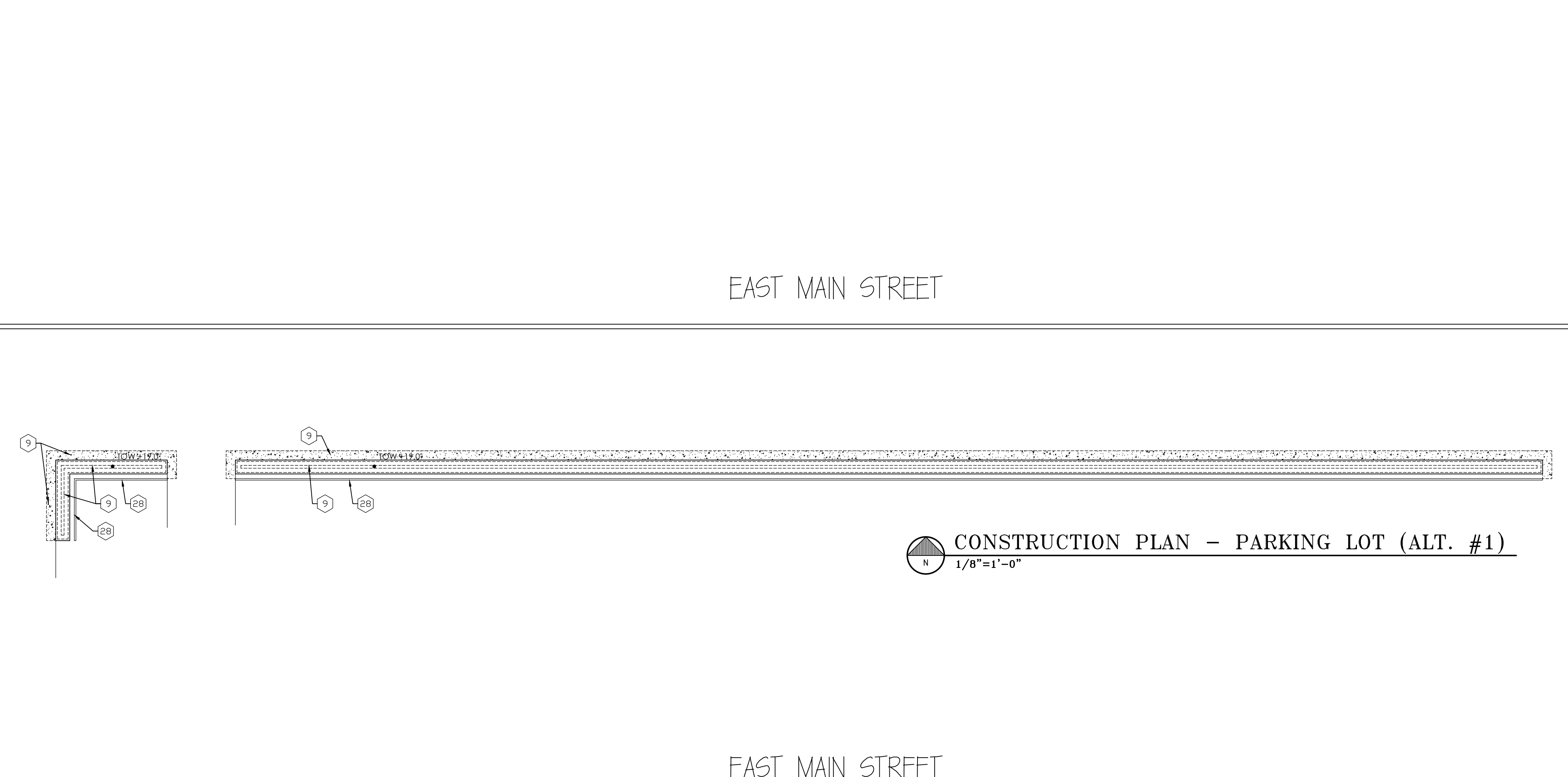


CONSTRUCTION PLAN - LIBRARY  
1/8"=1'-0"

CONSTRUCTION PLAN CODED NOTES:	CONSTRUCTION PLAN GENERAL NOTES:
<div><div>1</div><div>EXISTING BUILDING - EXTERIOR WALLS, DOORS AND WINDOWS</div></div> <div><div>2</div><div>EXISTING MECHANICAL INTAKE WELL TO REMAIN. GRATE TO BE SANDBLASTED AND PAINTED BLACK.</div></div> <div><div>3</div><div>EXISTING LIGHT WELL TO REMAIN. GRATES AND LAMERS TO BE SANDBLASTED AND PAINTED BLACK.</div></div> <div><div>4</div><div>EXISTING STONE PER TO REMAIN. TUCK POINT AND REPAIR LIMESTONE BASE AND CAP.</div></div> <div><div>5</div><div>NEW STONE PER WITH LIMESTONE BASE AND CAP (BUFF COLOR).</div></div> <div><div>6</div><div>NEW PLANTER WALL WITH LIMESTONE CAP (BUFF COLOR) AND DECORATIVE RAILING (RAILING BY OWNER).</div></div> <div><div>7</div><div>9" SQUARE STEEL POST PAINTED BLACK. BY OWNER.</div></div> <div><div>8</div><div>RE-USE ORIGINAL RAILING TO BE SANDBLASTED AND PAINTED BLACK. BY OWNER.</div></div> <div><div>9</div><div>NEW PLANTER WALL WITH LIMESTONE CAP (BUFF COLOR). PARKING LOT LOCATION TO BE ALTERNATE III.</div></div> <div><div>10</div><div>PLANTING BED - COORDINATE MATERIALS AND PLANTING WITH LANDSCAPE PLANS ALTERNATE III.</div></div> <div><div>11</div><div>METAL SIGN - SEE ELEVATION. PROVIDE SHOP DRAWING TO CITY FOR FINAL APPROVAL. BY OWNER.</div></div> <div><div>12</div><div>NEW 30" TALL COMMERCIAL FLAG POLE W/ EXTERNAL HALVARD RATED AT 15 MPH. FEDERAL FLAGS OR EQUAL. CLEAR ANODIZED FINISH WITH GOLD FINISH BALL ORNAMENT. INSTALL PER MANUFACTURERS SPECIFICATIONS. PROVIDE SHOP DRAWINGS FOR APPROVAL.</div></div> <div><div>13</div><div>FLAGSTONE PAVERS - REFER TO LANDSCAPE DRAWINGS.</div></div> <div><div>14</div><div>RAISED LIMESTONE LANDINGS: 1'-4"X5'-0" TYPICAL SLAB SIZE W/ 1'-2"X5'-0" PERIMETER SLAB SIZE. CUT AS REQUIRED.</div></div> <div><div>15</div><div>LIMESTONE PAVERS (BUFF COLOR).</div></div> <div><div>16</div><div>LIMESTONE STAR TREADS (BUFF COLOR).</div></div> <div><div>17</div><div>PAINTED STEEL HAND/GUARDRAIL - BLACK.</div></div> <div><div>18</div><div>STEPPING STONES - REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.</div></div> <div><div>19</div><div>CATEGORY LIGHTING WITH 3" DIA BLACK PAINTED STEEL POSTS AND SUPPORT CABLES.</div></div> <div><div>20</div><div>COPPER TREE WATER FOUNTAIN - REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE POWER, WATER AND DRAINAGE REQUIREMENTS WITH MANUFACTURER. BY OWNER.</div></div> <div><div>21</div><div>EXISTING CITY SIDEWALK.</div></div> <div><div>22</div><div>SALVAGED PINE RACKS - REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.</div></div> <div><div>23</div><div>6" HIGH PAINTED ALUMINUM FENCE TO MATCH EXISTING AND GATE. SEE ELEVATION C/A1. PROVIDE 4" WIDE PEDESTRIAN GATE. CONFIRM MANUAL AND ELECTRIC LOCK REQUIREMENTS WITH OWNER. BY OWNER.</div></div> <div><div>24</div><div>41" HIGH ALUMINUM FENCE. SEE ELEVATION D/A1.</div></div> <div><div>25</div><div>REINSTALL SCULPTURE. REPLICATE FOUNDATION REQUIREMENTS AND DETAILS.</div></div> <div><div>26</div><div>PROVIDE ANCHOR EYELET FOR CATEGORY LIGHTING AND SUPPORT CABLES.</div></div> <div><div>27</div><div>EXISTING DRAIN.</div></div> <div><div>28</div><div>EXISTING RAILING TO REMAIN. PAINT BLACK.</div></div> <div><div>29</div><div>CUT, REMOVE AND REPLACE SIDEWALK AS REQUIRED.</div></div>	<div><div>1</div><div>REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING: PAVES MATERIALS AND PATTERNS, PLANTING SPECIES AND LOCATIONS.</div></div> <div><div>2</div><div>REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION REGARDING GRADING AND DRAINAGE.</div></div> <div><div>3</div><div>REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURES AND LOCATIONS, UTILITY OUTLET LOCATIONS.</div></div>

FOUNDATION PLAN CODED NOTES:	FOUNDATION PLAN GENERAL NOTES:
<div><div>1</div><div>EXISTING BUILDING - EXTERIOR WALLS, DOORS AND WINDOWS</div></div> <div><div>2</div><div>EXISTING MECHANICAL INTAKE WELL TO REMAIN. GRATE TO BE SANDBLASTED AND PAINTED BLACK.</div></div> <div><div>3</div><div>EXISTING LIGHT WELL TO REMAIN. GRATES AND LAMERS TO BE SANDBLASTED AND PAINTED BLACK.</div></div> <div><div>4</div><div>EXISTING STONE PER TO REMAIN. TUCK POINT AND REPAIR LIMESTONE BASE AND CAP.</div></div> <div><div>5</div><div>9" DIA PAINTED (BLACK) STEEL POST WITH CAP IN 8" DIA CONCRETE FOOTING TO 36" MIN BELOW GRADE. 15" TALL BRASS/BRONZE STEEL CABLES FOR LIGHTING SUPPORT.</div></div> <div><div>6</div><div>NEW 30" TALL COMMERCIAL FLAG POLE W/ EXTERNAL HALVARD RATED AT 15 MPH. FEDERAL FLAGS OR EQUAL. CLEAR ANODIZED FINISH WITH GOLD FINISH BALL ORNAMENT. INSTALL PER MANUFACTURERS SPECIFICATIONS.</div></div> <div><div>7</div><div>EXTEND FOOTING BARS INTO EXISTING FOUNDATION WALL W/ 6" EMBED IN ADHESIVE.</div></div> <div><div>8</div><div>FOOTING AND FOUNDATION WALL IN SHAVED AREA TO BE FULL DEPTH BOTTOM OF FOOTING TO ALIGN WITH EXISTING BOTTOM OF FOOTING @ MAIN BUILDING.</div></div>	<div><div>1</div><div>REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING: PAVES MATERIALS AND PATTERNS, PLANTING SPECIES AND LOCATIONS.</div></div> <div><div>2</div><div>REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION REGARDING GRADING AND DRAINAGE.</div></div> <div><div>3</div><div>REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURES AND LOCATIONS, UTILITY OUTLET LOCATIONS.</div></div>

DEMOLITION PLAN CODED NOTES:	DEMOLITION PLAN GENERAL NOTES:
<div><div>1</div><div>EXISTING BUILDING - EXTERIOR WALLS, DOORS AND WINDOWS</div></div> <div><div>2</div><div>EXISTING MECHANICAL INTAKE WELL TO REMAIN. GRATE TO BE SANDBLASTED AND PAINTED BLACK.</div></div> <div><div>3</div><div>EXISTING LIGHT WELL TO REMAIN. GRATES AND LAMERS TO BE SANDBLASTED AND PAINTED BLACK.</div></div> <div><div>4</div><div>EXISTING STONE PER TO REMAIN. TUCK POINT AND REPAIR LIMESTONE BASE AND CAP.</div></div> <div><div>5</div><div>EXISTING CITY SIDEWALK.</div></div> <div><div>6</div><div>REMOVE FRONT STEPS AND LANDING IN ITS ENTIRETY. SALVAGE STONE STEPS, STONE VENEER AND HANDRAILS TO BE RETAINED BY CITY.</div></div> <div><div>7</div><div>REMOVE RAMP IN ITS ENTIRETY. SALVAGE STONE VENEER AND STONE FOR FUTURE USE.</div></div> <div><div>8</div><div>REMOVE EXISTING RAILING AND STORE FOR FUTURE USE. TO BE SANDBLASTED AND PAINTED BLACK.</div></div> <div><div>9</div><div>REMOVE PLANTER WALL AND SALVAGE STONE FOR FUTURE USE.</div></div> <div><div>10</div><div>REMOVE DRY Laid STONE WALL. STONE TO BE DISCARDED.</div></div> <div><div>11</div><div>REMOVE AND SALVAGE STEEL RAIL TO BE RETAINED BY THE CITY.</div></div> <div><div>12</div><div>REMOVE FLAG POLE.</div></div> <div><div>13</div><div>REMOVE BRICK AND STONE SEAT WALL AND FOUNDATION ENTIRELY.</div></div> <div><div>14</div><div>REMOVE CONCRETE PAVERS ENTIRELY.</div></div> <div><div>15</div><div>REMOVE ASPHALT DRIVE ENTIRELY.</div></div> <div><div>16</div><div>REMOVE CONTENTS OF PLANTING. COORDINATE WITH LANDSCAPE PLANS.</div></div> <div><div>17</div><div>REMOVE WALL MOUNTED HANDRAIL. REPAIR STONE AS REQUIRED.</div></div> <div><div>18</div><div>REMOVE CONCRETE PAD AND GRAVEL BASE AND PINE RACKS. PINE RACKS TO BE SALVAGED FOR FUTURE USE.</div></div> <div><div>19</div><div>STONE TO BE RELOCATED TO SAFE AREA DURING CONSTRUCTION TO BE REINSTALLED. VERIFY AND DOCUMENT FOUNDATION REQUIREMENTS AND DETAILS PRIOR TO REMOVAL.</div></div> <div><div>20</div><div>REMOVE EXISTING SIGN - TO BE SALVAGED AND RETAINED BY THE OWNER.</div></div> <div><div>21</div><div>EXISTING DRAIN TO REMAIN.</div></div> <div><div>22</div><div>EXISTING RAILING TO REMAIN.</div></div> <div><div>23</div><div>CUT AND REMOVE SIDEWALK AS REQUIRED. TO BE REPLACED.</div></div>	<div><div>1</div><div>REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING: PLANTING AND TREE REMOVAL.</div></div> <div><div>2</div><div>REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION REGARDING GRADING AND DRAINAGE.</div></div> <div><div>3</div><div>REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION REGARDING ELECTRICAL DEMOLITION.</div></div> <div><div>4</div><div>REMOVE ALL EXISTING LANDSCAPE LIGHT FIXTURES. COORDINATE WITH ELECTRICAL DRAWINGS.</div></div> <div><div>5</div><div>ALL DRY Laid STONE WALLS TO BE DEMOLISHED AND DISCARDED.</div></div> <div><div>6</div><div>BUILDING STONE TO BE SALVAGED AND REUSED.</div></div> <div><div>7</div><div>CONTRACTOR TO BE AWARE OF POTENTIAL TIME CAPSULE THAT MAY BE BURIED AROUND FOUNDATION OF EXISTING MAIN STEPS AND RAMP AREA. IF FOUND DURING DEMOLITION, CAPSULE IS TO BE SALVAGED AND RETAINED BY OWNER.</div></div>



STATE OF OHIO

BRIAN F. MARZICH  
15119

REGISTERED ARCHITECT

EXPIRATION DATE: 12-31-2025

MARZICH  
ARCHITECTURE

2465 SENECA PARK PLACE • BEXLEY, OHIO 43209  
614.314.0260

OUTDOOR READING ROOM

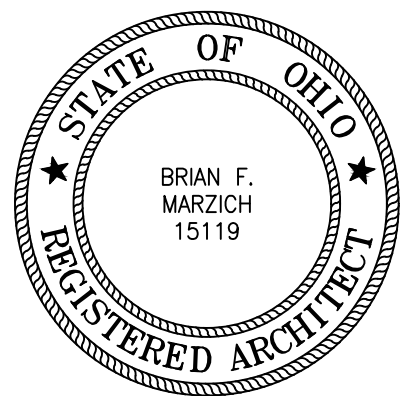
2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025

Scale: VARIES

Sheet:

A1.2



EXPIRATION DATE: 12-31-2025

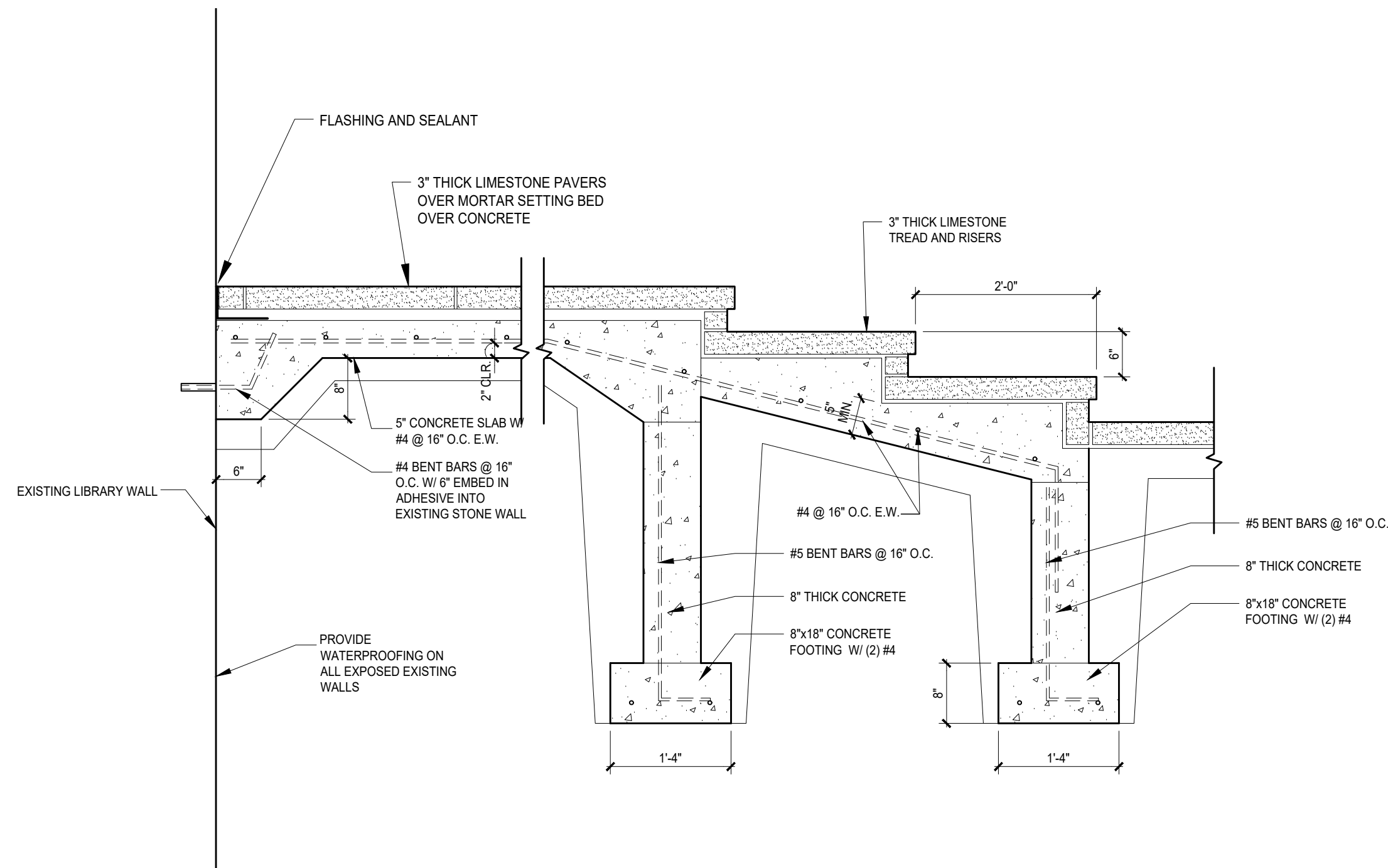
**MARZICH**  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

OUTDOOR READING ROOM

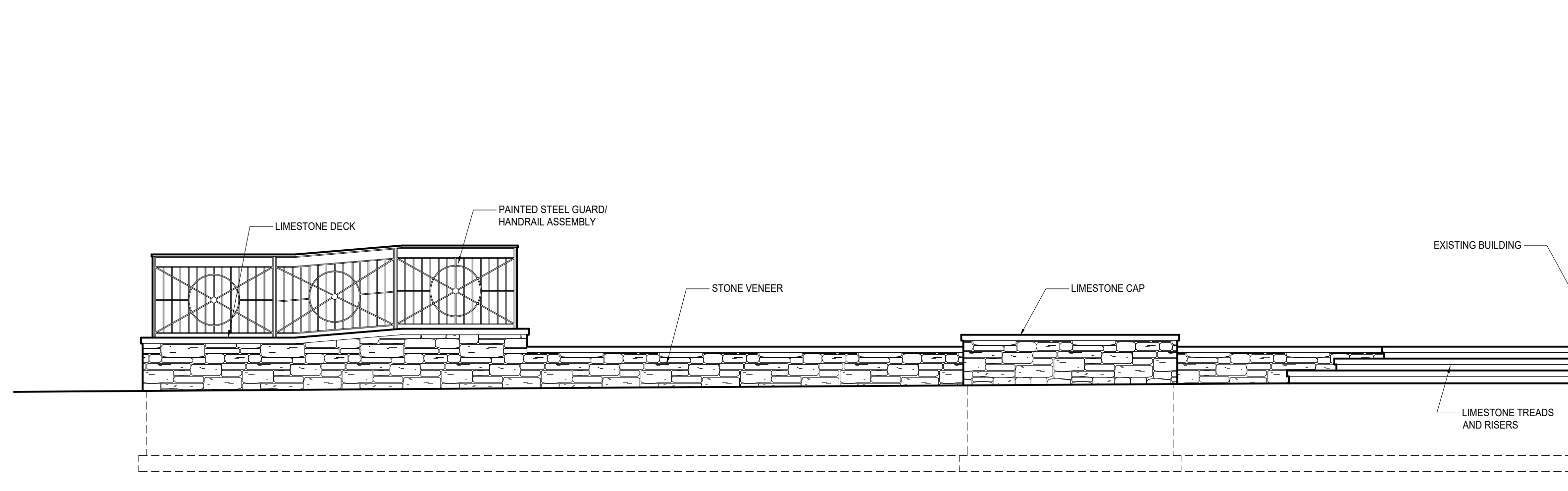
2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025  
Scale: VARIES  
Sheet:

A2.0

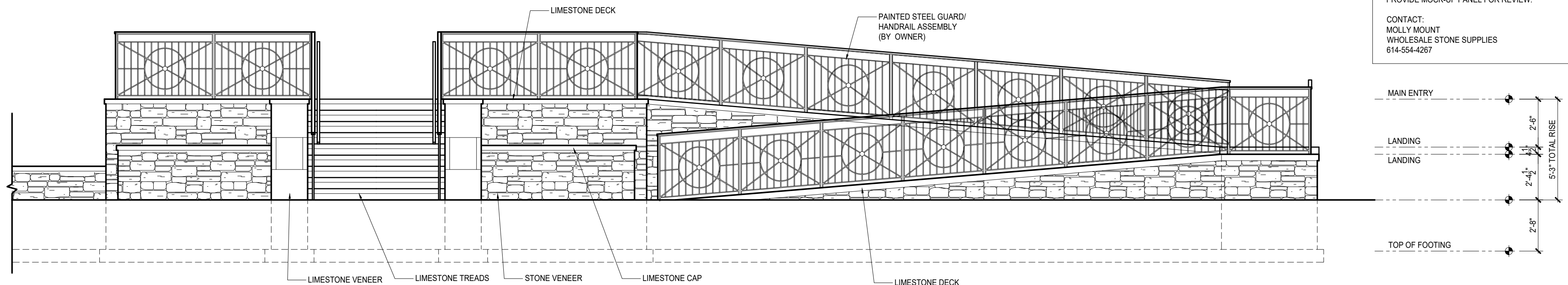


**D**  
SECTION @ SIDE ENTRY STEPS  
3/4" = 1'-0"

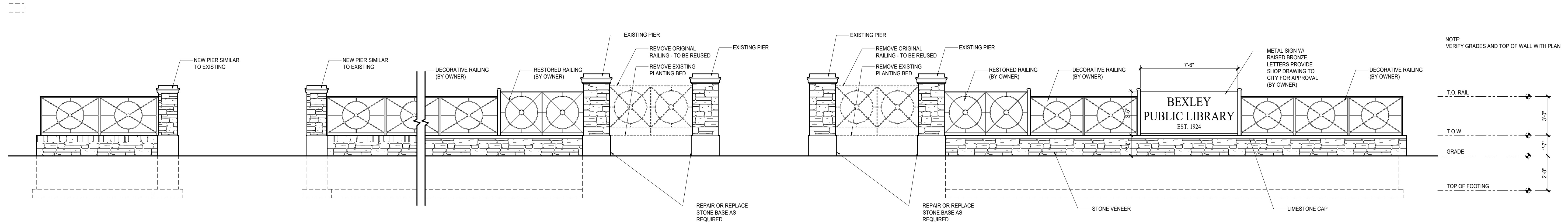


**B**  
NORTH ELEVATION @ ENTRY  
1/4" = 1'-0"

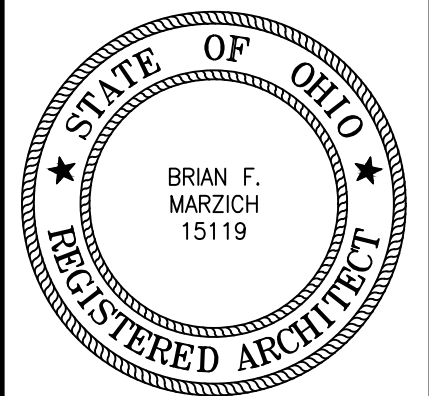
NOTE:  
STONE VENEER TO MATCH EXISTING LIBRARY  
STONE TO BE NORTH SHORE BUFF FULL DEPTH  
AND THIN CUT. SEE SECTIONS FOR LOCATIONS  
GROUT STYLE TO BE BUTTER/SMEAR-OVER GROUT  
JOINT. GROUT TO HAVE CONCRETE SAND. COLOR  
TO BE TENNESSEE BUFF WITH BROWN ADDITIVE.  
PROVIDE MOCK-UP PANEL FOR REVIEW.  
CONTACT:  
MOLLY MOUNT  
WHOLESALE STONE SUPPLIES  
614-554-4267



**B**  
NORTH ELEVATION @ ENTRY  
1/4" = 1'-0"



**A**  
NORTH ELEVATION @ SIDEWALK  
1/4" = 1'-0"



EXPIRATION DATE: 12-31-2025

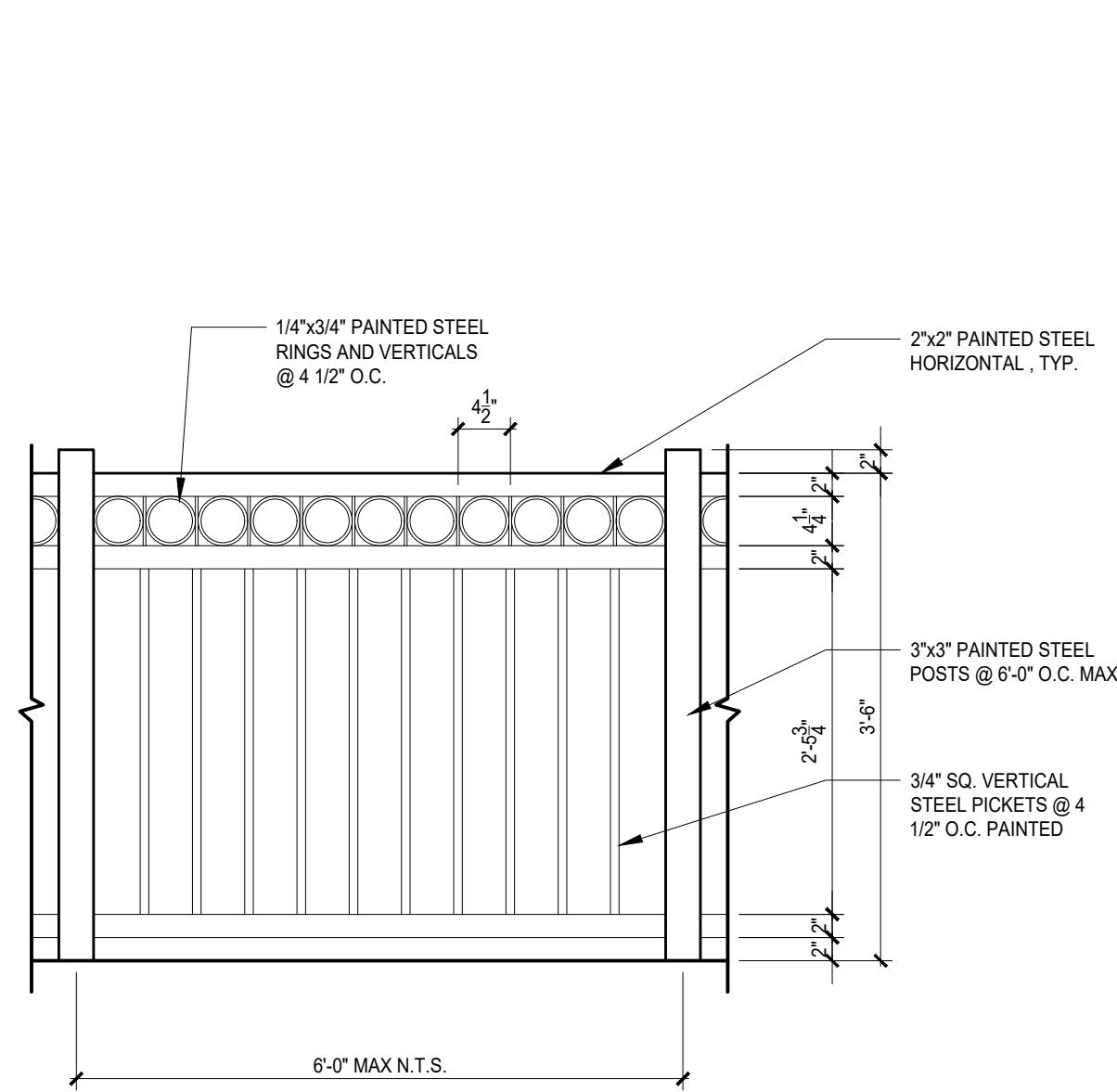
**MARZICH**  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

OUTDOOR READING ROOM

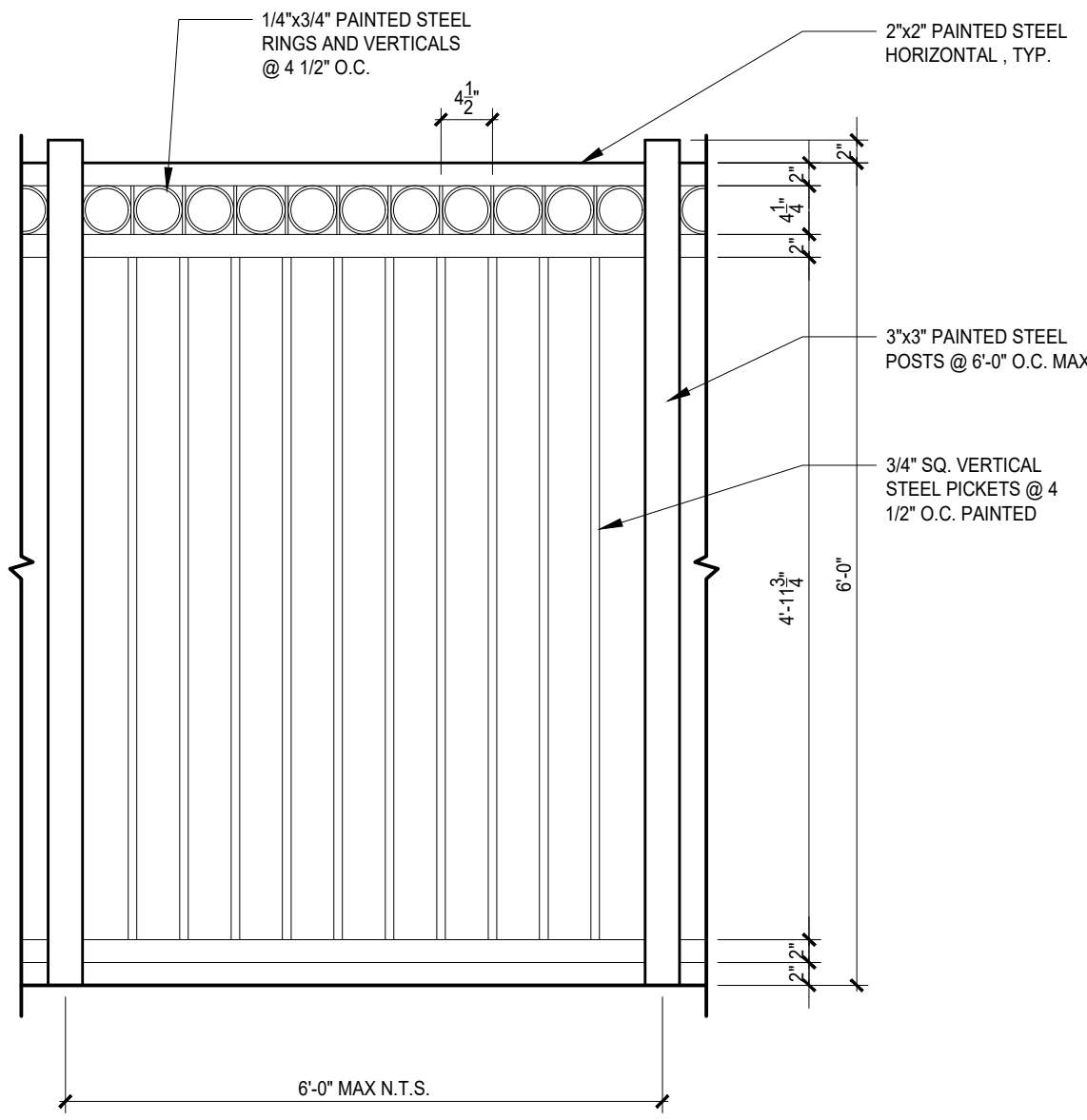
2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025  
Scale: VARIES  
Sheet:

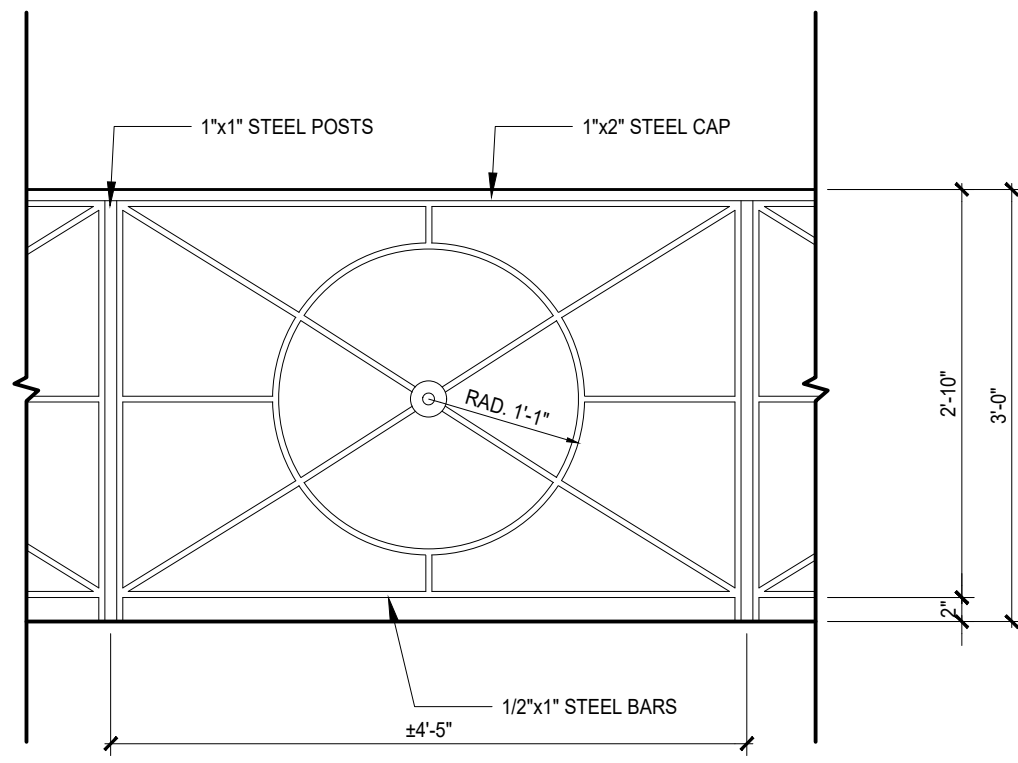
A2.1



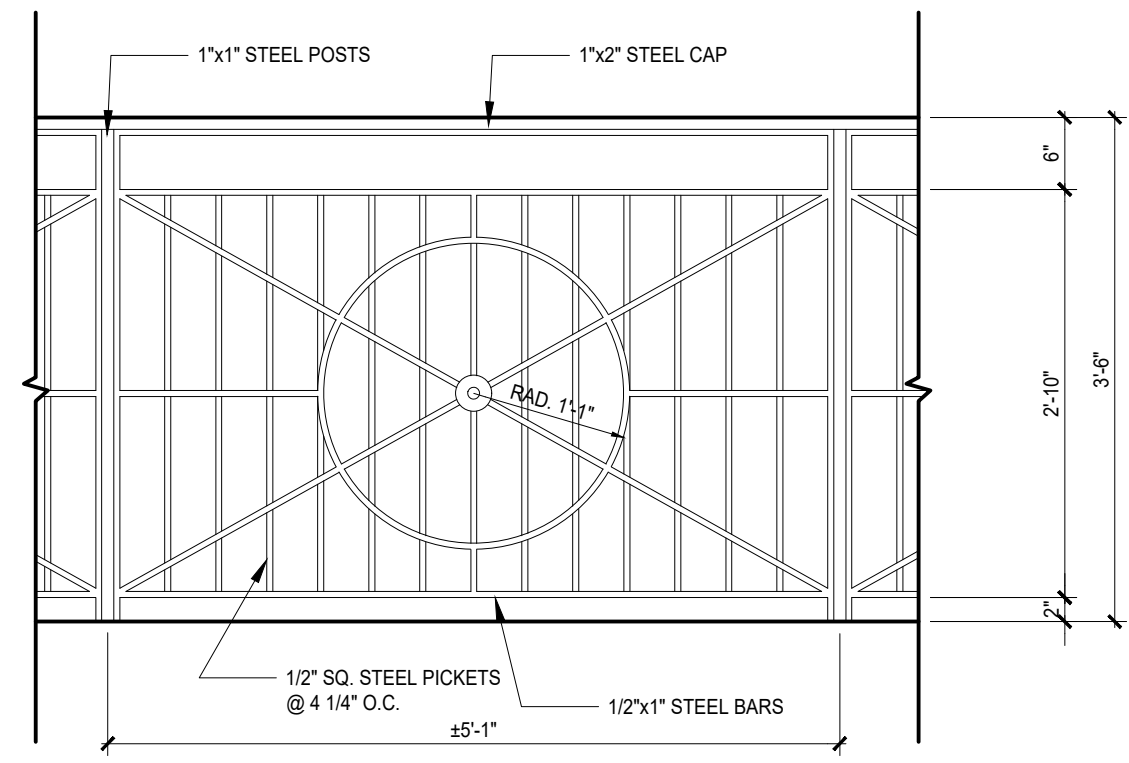
**42" FENCE ELEVATION**  
3/4" = 1'-0"



**6' FENCE ELEVATION (BY OWNER)**  
3/4" = 1'-0"



**RAIL ELEVATION @ PLANTER WALLS (BY OWNER)**  
3/4" = 1'-0"



**GUARDRAIL ELEVATION (BY OWNER)**  
3/4" = 1'-0"



EXPIRATION DATE: 12-31-2025

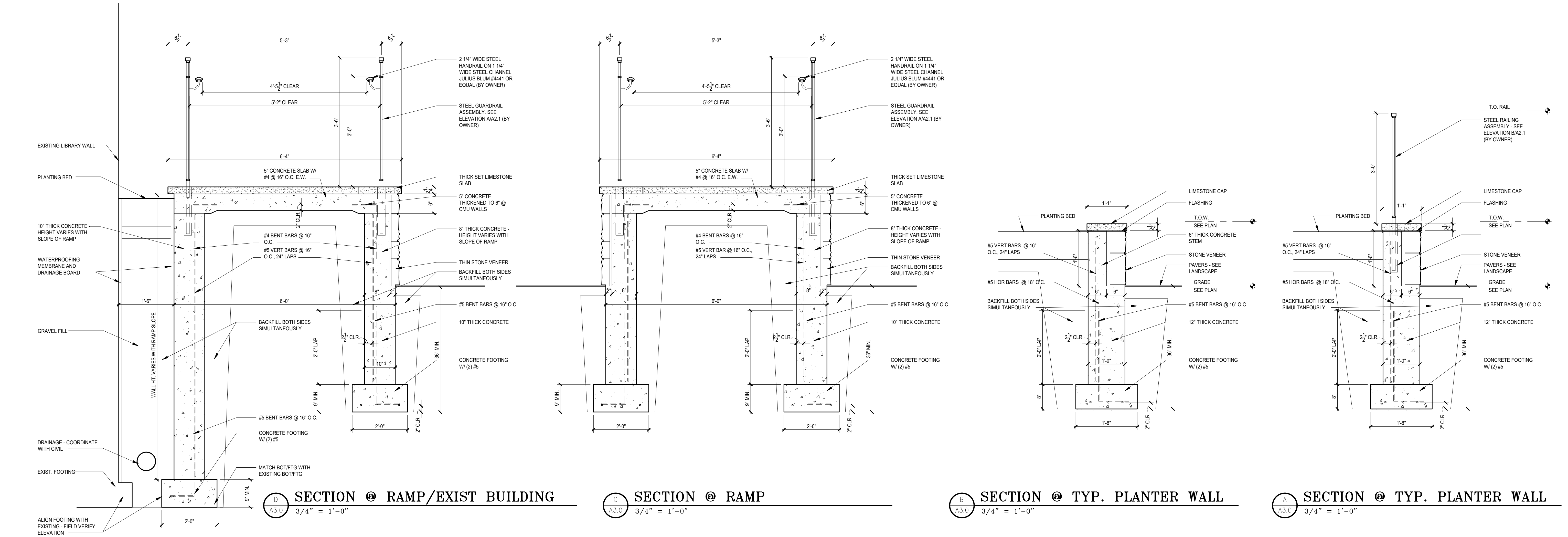
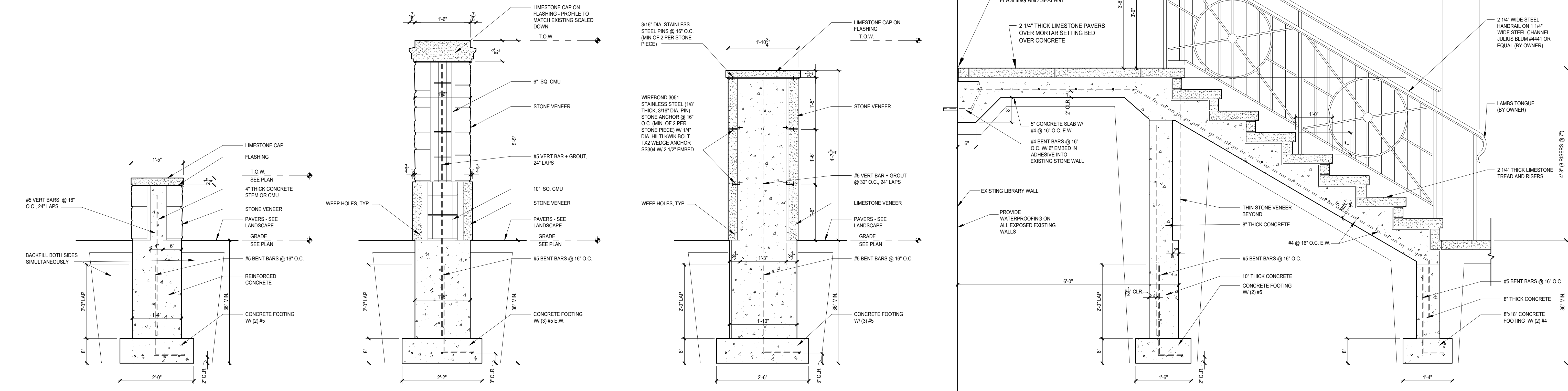
**MARZICH**  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

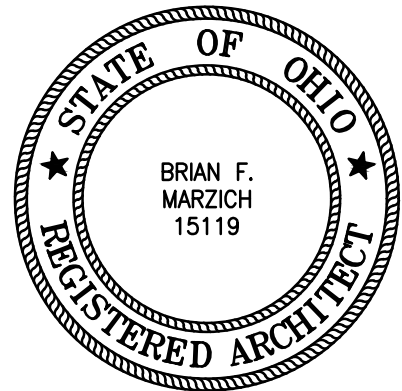
# OUTDOOR READING ROOM

2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025  
Scale: VARIES  
Sheet:

A3.0





EXPIRATION DATE: 12-31-2025

MARZICH  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

OUTDOOR READING ROOM

2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Scale: VARIES

Sheet:

S1.0

ISTRUCTURAL NOTES

GOVERNING CODE

2017 OHIO BUILDING CODE (REFERENCES IBC 2015 & ASCE-7 10).

CONSTRUCTION AND SAFETY

- CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
- ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION.

FOUNDATIONS

- PER CLIENT'S REQUEST, THE FOUNDATION DESIGN AND GENERAL FOUNDATION NOTES ARE BASED ON THE ASSUMPTION OF FAVORABLE SOIL CONDITIONS. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 1500 PSF.
- CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.
- FILL MATERIALS: MATERIAL SHALL NOT BE PLACED ON FROZEN GROUND.
  - CONTROLLED LOW STRENGTH MATERIAL (CLSM): SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL WITH AN UNCONFINED COMPRESSIVE STRENGTH BETWEEN 50 PSI AND 150 PSI.
  - WELL GRADED GRANULAR MATERIAL: WELL GRADED MIXTURE OF CRUSHED GRAVEL, CRUSHED STONE, AND SAND PER ASTM D294 WITH AT LEAST 95 PERCENT PASSING A 1 1/2" SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NO. 200 SIEVE OR ODOT 304.
  - FREE DRAINING GRANULAR FILL: NARROWLY GRADED MIXTURE OF CRUSHED STONE PER ASTM D448 WITH COARSE AGGREGATE GRADING SIZE 67 WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NO MORE THAN 5 PERCENT PASSING A NO. 4 SIEVE OR AASHTO NO 57 - CRUSHED AGGREGATE.
- FOUNDATION ELEVATIONS SHOWN ARE FOR BIDDING PURPOSES AND MAY VARY TO SUIT SUB-SURFACE SOIL CONDITION. PROVIDE CLSM UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS
- FOUNDATIONS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL

BACKFILL AGAINST WALLS:

- FACE OF SHALLOW FOUNDATION WALLS:
    - CLSM OR IMPERVIOUS FILL (COMPACTED IN 6" LIFTS TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 3% OPTIMUM MOISTURE CONTENT), OR
    - WELL GRADED GRANULAR MATERIAL (COMPACTED IN 6" LIFTS TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 2% OPTIMUM MOISTURE CONTENT); AT THE BOTTOM OF THE GRANULAR BACKFILL PLACE A 4" DIAMETER PERFORATED FOUNDATION DRAIN PIPE. PROVIDE A POSITIVE SLOPE TO APPROPRIATE OUTLET.
  - EXTERIOR FACE OF EXISTING BASEMENT WALLS:
    - MINIMUM 3 FT WIDE ZONE OF FREE DRAINING GRANULAR FILL (COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 2% OPTIMUM MOISTURE CONTENT) UP TO WITHIN 24 INCHES OF THE FINISHED GRADE. TOP 24" OF BACKFILL SHALL BE COMPACTED CLAYEY MATERIAL. AT THE BOTTOM OF THE GRANULAR MATERIAL, PLACE A 4" DIAMETER PERFORATED FOUNDATION DRAIN PIPE WITH POSITIVE DRAINAGE TO SUMP OR TO APPROPRIATE OUTLET.
7. FINISHED GRADE SHALL SLOPE AWAY FROM THE PERIMETER FOUNDATION OF EXISTING BUILDING.
8. EXCAVATIONS:
- EXCAVATIONS IN THE VICINITY OF EXISTING FOUNDATIONS SHALL BE PERMITTED WITHOUT ANY SPECIAL MEASURES AS LONG AS THE BOTTOM NEAR EDGE OF THE EXCAVATION IS ABOVE A LINE WITH SLOPE OF 2 HORIZONTAL TO 1 VERTICAL EXTENDING OUTWARD AND DOWNWARD FROM THE NEAREST BOTTOM CORNER OF THE EXISTING FOUNDATION.
  - EXCAVATIONS IN THE VICINITY OF EXISTING FOUNDATIONS WITH THE BOTTOM NEAR EDGE OF THE EXCAVATION BELOW A LINE WITH SLOPE OF 2 HORIZONTAL TO 1 VERTICAL EXTENDING OUTWARD AND DOWNWARD FROM THE NEAREST BOTTOM CORNER OF THE EXISTING FOUNDATION SHALL BE MADE ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE PROJECT GEOTECHNICAL ENGINEER. SUCH EXCAVATIONS MAY REQUIRE SPECIAL TEMPORARY EXCAVATION BRACING OR UNDERPINNING OF EXISTING FOUNDATIONS, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF ITS SELECTED MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES. CONTRACTOR SHALL SUBMIT TEMPORARY EXCAVATION BRACING AND UNDERPINNING DETAILS PRIOR TO EXCAVATION. CONTRACTOR SHALL PERFORM THESE EXCAVATIONS WITH CAUTION SO AS NOT TO UNDERMINE ANY EXISTING STRUCTURE FOUNDATIONS, AND EXCAVATIONS SHALL BE MADE IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
9. UTILITY TRENCHES PARALLEL TO FOOTINGS AND WITH PIPES BELOW THE BOTTOM OF FOOTING ELEVATION MUST BE LOCATED SO THAT THE SLOPE BETWEEN THE PIPE INVERT ELEVATION AND THE NEAREST BOTTOM CORNER OF THE FOOTING IS A MINIMUM OF 2 HORIZONTAL TO 1 VERTICAL.

CAST-IN-PLACE CONCRETE

- CONCRETE MIXTURES: REFER TO CONCRETE MIXTURE REQUIREMENTS TABLE FOR CONCRETE MIX INFORMATION.
- CONCRETE MATERIALS:
  - CEMENTITIOUS MATERIALS
    - PORTLAND CEMENT: ASTM C150, TYPE I OR TYPE II.
    - FLY ASH: ASTM C618, CLASS F OR C. FLY ASH SHALL NOT EXCEED 25% OF TOTAL CEMENTITIOUS CONTENT BY MASS.

- GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989, GRADE 100 OR 120. COMBINATION SLAG AND FLY ASH SHALL NOT EXCEED 50% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
- AGGREGATES:
    - NORMAL WEIGHT AGGREGATES: ASTM C33, COARSE GRADED.
  - ADMIXTURES: ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.
    - WATER REDUCING ADMIXTURE: ASTM C494.
    - PLASTICIZING ADMIXTURE: ASTM C1017.
    - AIR ENTRAINING ADMIXTURE: ASTM C260.
  - WATER: ASTM C94 AND POTABLE
3. DETAILING REQUIREMENTS
- FINISH OF CONCRETE HANDICAP RAMPS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
  - CONTRACTION JOINTS IN SLABS ON GROUND SHALL NOT EXCEED A LENGTH TO WIDTH RATIO OF 1.5:1.
  - PROVIDE 3/4" CHAMFER AT CORNERS OF EXPOSED CONCRETE.
  - CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE UNLESS EFFECTIVELY COATED TO PREVENT ALUMINUM-CONCRETE REACTION OR ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.
4. PERFORMANCE
- CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1-90 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R-16 "GUIDE TO COLD WEATHER CONCRETING".
  - CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305.1-14 "SPECIFICATION FOR HOT WEATHER CONCRETING" AND ACI 305R-10 "GUIDE TO HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND SPEED SHALL BE ENTERED INTO NOMOGRAPH FIGURE 4.2 IN ACI 305R-10 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
  - TOLERANCES: CONFORM TO ACI 117-10
  - EXTERIOR SLAB FINISHING AND CURING:
    - FINISH: LIGHT BROOM FINISH
    - CURING: UV RESISTANT ACRYLIC "CURE AND SEAL" LIQUID MEMBRANE FORMING CURING COMPOUND (ASTM C1315, TYPE 1, CLASS A).

CONCRETE REINFORCING

- MATERIALS
  - DEFORMED BARS: ASTM A615, GRADE 60.
- REINFORCING DEVELOPMENT AND LAP SPLICES (UNLESS OTHERWISE NOTED)
  - DEFORMED BAR DEVELOPMENT LENGTHS: 44 BAR DIAMETERS
  - DEFORMED BAR LAP SPLICE LENGTHS: 57 BAR DIAMETERS

PERFORMANCE

- COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR PLACING AND SUPPORTING REINFORCEMENT.
- REINFORCING BARS SHALL HAVE CLEAR COVER AS INDICATED ON THE DRAWINGS. WHERE NOT INDICATED, PROVIDE MINIMUM CLEAR COVER PER ACI-318.
- REINFORCING BARS SHALL BE FREE OF DIRT AND FORM RELEASE AGENTS.

MASONRY

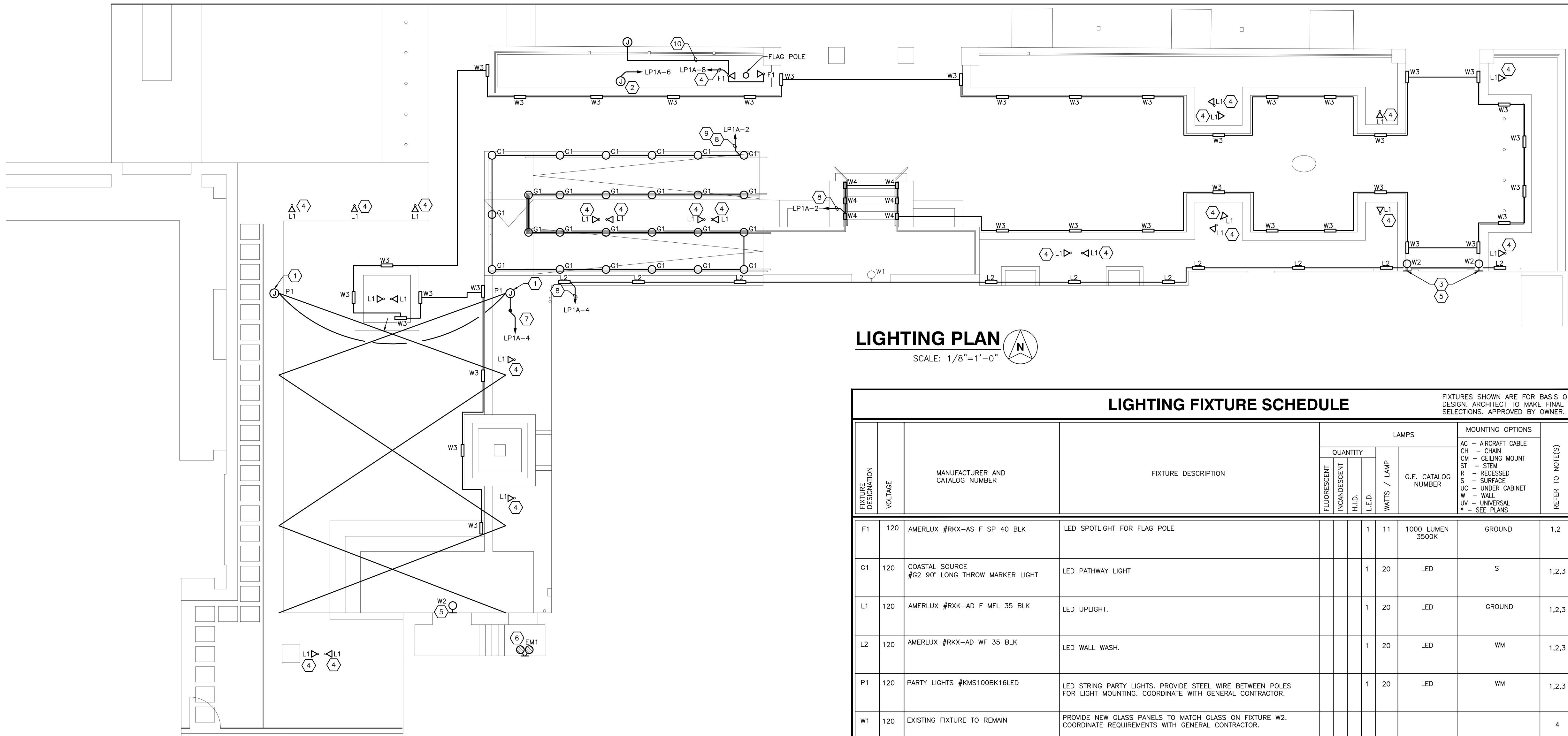
- MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES" (TMS 602-13), EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
- COMPRESSIVE STRENGTH SHALL BE DETERMINED FOR EACH TYPE OF MASONRY BY THE UNIT STRENGTH METHOD.
  - CONCRETE MASONRY: f<sub>m</sub> = 2000 PSI AT 28 DAYS.
- MATERIALS
  - CONCRETE MASONRY UNITS: ASTM C90 TYPE I.
    - NORMAL WEIGHT AGGREGATE PER ASTM C33.
  - MORTAR: ASTM C270
    - ALL MASONRY UNLESS NOTED OTHERWISE: TYPE S
    - ABOVE GRADE VENEER: TYPE N
  - PORTLAND CEMENT-LIME MORTAR:
    - PORTLAND CEMENT: TYPE I.
    - HYDRATED LIME: TYPE S.
  - MASONRY CEMENT MORTAR IS PERMITTED.
  - GROUT: ASTM C476. SLUMP 8" TO 11". MINIMUM COMPRESSIVE STRENGTH = 2000 PSI AT 28 DAYS.
  - REINFORCING STEEL: ASTM A615, ASTM A706, OR ASTM A996, 60 KSI YIELD.
  - HORIZONTAL JOINT REINFORCING FOR SINGLE WYTHE CONCRETE MASONRY: ASTM A951 9 GAGE LADDER TYPE. HOT DIPPED GALVANIZED PER ASTM A153 CLASS B. PLACE HORIZONTAL JOINT REINFORCING AT 16" CENTERS VERTICALLY FOR CONCRETE MASONRY. LAP HORIZONTAL JOINT REINFORCING 6" MINIMUM. HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINTS.
- MORTAR PROPORTIONS MUST BE ACCURATELY MEASURED PRIOR TO MIXING. ADD CEMENT TO MIX IN FULL BAG QUANTITIES. MEASURE SAND IN BOX WITH VOLUME OF ONE CUBIC FOOT AS OFTEN AS NECESSARY TO MAINTAIN CONSISTENT PROPORTIONS AND AT LEAST ONCE DAILY AND EVERY 4 HOURS OF MIXING.
- PROVIDE PREFABRICATED "L" AND "T" SHAPED HORIZONTAL JOINT REINFORCING AT WALL INTERSECTIONS.
- KEEP AIR SPACE BEHIND VENEER FREE OF MORTAR DROPPINGS.
- RUNNING BOND PATTERN SHALL BE USED FOR ALL MASONRY WORK UNLESS OTHERWISE NOTED.

- PLACE MOVEMENT (CONTROL AND EXPANSION) JOINTS IN WALLS AT PILASTERS, NEAR CORNERS AND AT A MAXIMUM SPACING OF 20 FEET.
  - MOVEMENT JOINTS IN CONCRETE BLOCK: SASH BLOCK UNIT WITH PREFORMED SHEAR KEY. CAULK BOTH FACES. ALTERNATE DETAILS FOR CONTROL JOINTS MAY BE ACCEPTABLE -- SUBMIT DETAILS FOR APPROVAL.
  - MOVEMENT JOINTS IN STONE AND THIN STONE VENEER: 3/8" WIDE CLEAN JOINT FILLED WITH EXPANSION JOINT MATERIAL PER ASTM D1056, CLASS RE 41. CAULK EXTERIOR FACE.
- ALL REINFORCING STEEL SHALL BE SUPPORTED AND FASTENED TO APPROVED POSITIONERS LOCATED AT 162 BAR DIAMETERS MAXIMUM SPACING AND WITH A MINIMUM OF TWO POSITIONERS PER GROUT POUR (ONE NEAR THE BOTTOM AND ONE NEAR THE TOP) TO PREVENT DISPLACEMENT DURING THE PLACEMENT OF GROUT.
- GROUT ALL CELLS BELOW GRADE SOLID.

POST INSTALLED ANCHORS

- INSTALLATION: INSTALL ANCHORS PER EVALUATION REPORT AND MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
- ADHESIVE ANCHORS:
  - ANCHOR RODS: ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE. SIZE AND EMBEDMENT AS INDICATED ON DRAWINGS.
  - ADHESIVE IN CONCRETE: SIMPSON STRONG-TIE "SET-3G" EPOXY (EVALUATION REPORT: ICC ESR-4057.
  - ADHESIVE IN GROUT FILLED CONCRETE MASONRY: SIMPSON STRONG-TIE "AT-XP" (EVALUATION REPORT: IAPMO UES ER-281). SUBSTITUTES COMPLYING WITH ACCEPTANCE CRITERIA ICC-ES AC508 FOR USE IN GROUT FILLED CONCRETE MASONRY WALLS MAY BE CONSIDERED.
  - VERIFY THAT THE SHELF LIFE OF THE ADHESIVE HAS NOT BEEN EXCEEDED ON THE DATE OF INSTALLATION.

EAST MAIN STREET



### LIGHTING PLAN

SCALE: 1/8"=1'-0"

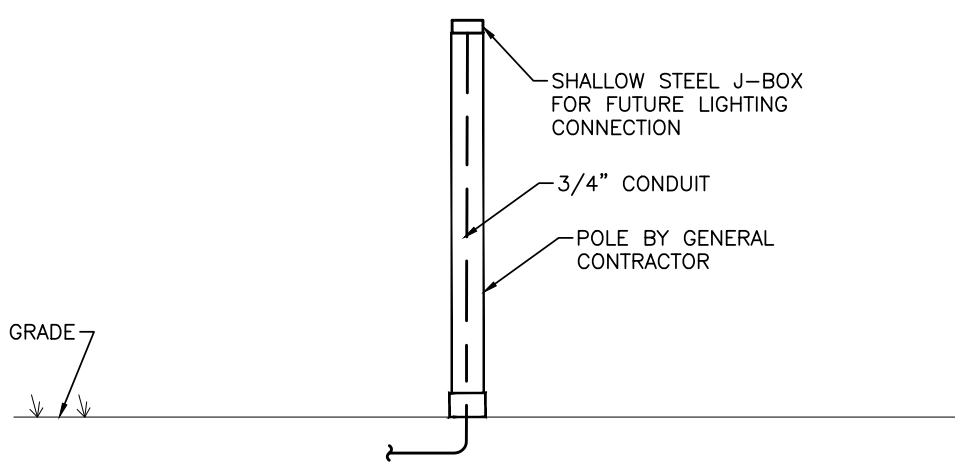
### LIGHTING FIXTURE SCHEDULE

FIXTURES SHOWN ARE FOR BASIS OF DESIGN. ARCHITECT TO MAKE FINAL SELECTIONS. APPROVED BY OWNER.

FIXTURE DESIGNATION	VOLTAGE	MANUFACTURER AND CATALOG NUMBER	FIXTURE DESCRIPTION	QUANTITY				LAMPS	MOUNTING OPTIONS		REFER TO NOTE(S)
				FLUORESCENT	INCANDESCENT	H.I.D.	L.E.D.	WATTS / LAMP	G.E. CATALOG NUMBER	AC - AIRCRAFT CABLE CHAIN CW - CEILING MOUNT ST - STEM R - RECESSED S - SURFACE UC - UNDER CABINET W - WALL UY - UNIVERSAL + - SEE PLANS	
F1	120	AMERLUX #RXK-AS F SP 40 BLK	LED SPOTLIGHT FOR FLAG POLE				1	11	1000 LUMEN 3500K	GROUND	1,2
G1	120	COASTAL SOURCE #G2 90° LONG THROW MARKER LIGHT	LED PATHWAY LIGHT				1	20	LED	S	1,2,3
L1	120	AMERLUX #RXK-AD F MFL 35 BLK	LED UPLIGHT.				1	20	LED	GROUND	1,2,3
L2	120	AMERLUX #RXK-AD WF 35 BLK	LED WALL WASH.				1	20	LED	WM	1,2,3
P1	120	PARTY LIGHTS #KMS100BK16LED	LED STRING PARTY LIGHTS. PROVIDE STEEL WIRE BETWEEN POLES FOR LIGHT MOUNTING. COORDINATE WITH GENERAL CONTRACTOR.				1	20	LED	WM	1,2,3
W1	120	EXISTING FIXTURE TO REMAIN	PROVIDE NEW GLASS PANELS TO MATCH GLASS ON FIXTURE W2. COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR.								4
W2	120	PRIMO INTERNATIONAL #ORLEANS WALL MOUNT BUNDLE	23.5" X 14" LED WALL LANTERN. BLACK POWDER COAT. STANDARD WALL BRACKET. ELECTRIC ILLUMINATION. SOLID TOP PANELS. BOTTOM PANELS TO BE FROSTED OR WHITE MILK BASED ON AVAILABILITY. COORDINATE FINAL COLOR SELECTION WITH LANDSCAPE DESIGNER. COORDINATE WITH GC TO PROVIDE 1" CUT LIMESTONE FRAMING AROUND WALL MOUNT. LIMESTONE TO BE CUT INTO STONE WALL FOR FLUSH SURFACE MOUNT.				1	15	LED	WM	ALL
W3	120	AMERLUX #PASSO RT	12" DIRECTIONAL LED STEPLIGHT. DIMMABLE.				1	9	525 LUMEN	R	1,2,3
W4	120	AMERLUX #PASSO SQ	4" DIRECTIONAL LED RECESSED WALL FIXTURE. DIMMABLE.				1	5.5	94 LUMEN	R	1,2,3

- NOTES:
- SUBMIT CUT SHEETS ON ALL FIXTURES.
  - ALL FIXTURES SHOWN ARE FOR BASIS OF DESIGN. ALL FIXTURES TO BE SELECTED BY ARCHITECT AND APPROVED BY OWNER.
  - ALL FIXTURES TO BE 2700° K COLOR TEMPERATURE.
  - ALL EXISTING AND NEW SCENES AT ENTRIES TO HAVE NEW CUSTOM ETCHED/TRANSLUCENT GLASS PANELS. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT.

### FESTOON LIGHTING POLE ELECTRIC DETAIL



NOTE: REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

### GENERAL NOTES

- EVERYTHING SHOWN ON THIS DRAWING AND/OR IDENTIFIED IN THE DIVISION 26, 27, AND 28 SPECIFICATIONS IS FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. IF ANY DEVICE, EQUIPMENT, FEEDERS, ETC., IS FURNISHED AND/OR INSTALLED BY ANYONE OTHER THAN THE ELECTRICAL CONTRACTOR, IT WILL BE SPECIFICALLY NOTED.
- ELECTRICAL CONTRACTOR SHALL REVIEW OTHER TRADES DRAWINGS, AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS WITH THE ELECTRICAL CONTRACTOR'S INSTALLATIONS. FAILURE TO COORDINATE WILL RESULT IN THE ELECTRICAL CONTRACTOR REMEDYING HIS CONFLICT(S) AT HIS EXPENSE.
- FOR VOLTAGE DROP ON 120V CIRCUITS, THE MAXIMUM LENGTHS ARE AS FOLLOWS: #12=65 FEET, #10=108 FEET, AND #8=162 FEET. FOR 277V CIRCUITS, MAXIMUM LENGTHS SHALL BE #12=150 FEET, #10=247 FEET, AND #8=375 FEET. THESE DISTANCES MUST BE FOLLOWED TO MAINTAIN 3% VOLTAGE DROP.
- ALL BACKBOXES LOCATED IN RATED WALLS MUST BE ENCASED IN FIRE PUTTY SEALANT. ALL CONDUITS THAT PASS THRU RATED WALLS MUST BE FIRE SEALED ON BOTH SIDES OF THE WALL. COORDINATE WITH THE ARCHITECT'S DRAWINGS FOR LOCATIONS OF THE RATED WALLS.
- PROVIDE A NEW TYPED UPDATED PANEL DIRECTORY FOR ALL BRANCH CIRCUIT CHANGES TO NEW AND EXISTING ELECTRICAL PANELS IN AREA OF WORK. INDICATE ANY SPARE CIRCUIT BREAKERS AS A RESULT OF THE DEMOLITION WORK IN THE EXISTING PANELS.
- ALL LANDSCAPING LIGHTING TO BE CONNECTED TO EXISTING TIME CLOCK SYSTEM. PROVIDE NEW TIMECLOCK AT OWNER'S DESIGNATED LOCATION IF EXISTING SYSTEM IS INADEQUATE.
- CUTTING AND PATCHING TO BE PERFORMED BY GENERAL CONTRACTOR.
- COORDINATE ALL LIGHTING FINISHES AND COLORS WITH ARCHITECT/LANDSCAPE DESIGNER.
- COORDINATE LOCATION OF MANUAL DISCONNECT SWITCHES WITH JOHN MOSAC, FACILITIES MANAGER.

### LINE TYPE LEGEND

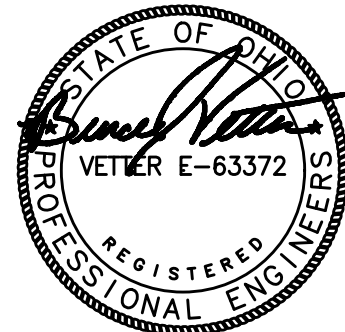
- LIGHT CONTINUOUS LINEWEIGHT IS EXISTING TO REMAIN.
- HEAVY DASHED LINEWEIGHT IS DEMOLISHED WORK.
- HEAVY CONTINUOUS LINEWEIGHT IS NEW WORK.

### ELECTRICAL LEGEND

- ALL HEIGHTS INDICATED ARE TO CENTERLINE OF ITEM UNLESS INDICATED OTHERWISE ON DRAWINGS.
- WH MOUNTING HEIGHT TO CENTERLINE OF ITEM UNLESS INDICATED.
- TYP TYPICAL
- WP WEATHERPROOF
- 123 ROOM NUMBER
- PLAN NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH NOTE IS SHOWN.
- EF-1 EQUIPMENT REFERENCE SYMBOL
- ELECTRICAL CONNECTION REQUIRED.
- EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; CAPITAL LETTER DENOTES PANEL; NUMBER(S) DENOTES CIRCUIT(S).
- WIRE & CONDUIT IN WALL OR ABOVE CEILING.
- WIRE & CONDUIT IN OR BELOW FLOOR SLAB OR BELOW GRADE.
- WALL MOUNTED DUAL-TECHNOLOGY PASSIVE INFRARED/ULTRASONIC OCCUPANCY SENSOR WITH MANUAL-ON/AUTO-OFF FUNCTION - HUBBELL #Lighthawk2 SERIES. EQUALS BY SENSOR SWITCH, DOUGLAS OR GREENGATE. COORDINATE WITH LIGHTING MANUFACTURER FOR COMPATIBILITY (46" MH).
- LIGHTING FIXTURE; CAPITAL LETTER DENOTES FIXTURE TYPE.
- JUNCTION BOX.
- 20A-125V DUPLEX/SINGLE RECEPT., NEMA 5-20R (18"MH). HUBBELL HBL8300/HBL8310-1/R, UNO.
- 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT FEED THROUGH CIRCUIT INTERRUPTER (16" MH).
- EXTRA DUTY, WEATHER RESISTANT, TAMPER-PROOF 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (16" MH). INCLUDE VERTICAL MOUNT WEATHERPROOF IN-USE COVER. SEE SPECIFICATIONS.
- MOTORIZED EQUIPMENT CONNECTION.
- CIRCUIT BREAKER PANEL (FLUSH MOUNTED) 6"-0" TO TOP.
- CIRCUIT BREAKER LOADCENTER (SURFACE MOUNTED).

### PLAN NOTES

- PROVIDE JUNCTION BOX WITH WEATHERPROOF GFCI RECEPTACLE. GENERAL CONTRACTOR TO PROVIDE STEEL POLES AND STEEL GUIDE WIRE FOR FESTOON LIGHTING MOUNTING. COORDINATE POWER REQUIREMENTS WITH FINAL SELECTED MODEL. COORDINATE LOCATION AND ADDITIONAL REQUIREMENTS WITH GENERAL CONTRACTOR. COORDINATE LOCATION OF DISCONNECT SWITCH WITH JOHN MOSAC, FACILITIES MANAGER.
- MONUMENT SIGN: RUN 2#12 AND 1#12 GROUND IN 3/4" CONDUIT FROM SIGN THRU A MANUAL DISCONNECT SWITCH TO A 20A-1P CIRCUIT BREAKER IN PANEL. CIRCUIT THRU EXISTING TIME CLOCK CONTROL. COORDINATE ON/OFF SCHEDULE WITH OWNER.
- FIXTURE TO DOUBLE AS EMERGENCY EGRESS FIXTURE. PROVIDE IOTA INVERTER #115-125-SM, OR EQUAL, WITH 90 MINUTE BATTERY BACK-UP PER MANUFACTURER'S RECOMMENDATIONS. MOUNT INVERTER ABOVE ACCESSIBLE CEILING IN CONVENIENT LOCATION. COORDINATE LOCATION WITH GENERAL CONTRACTOR.
- CIRCUIT LANDSCAPE UPLIGHTS TOGETHER. COORDINATE FINAL LOCATIONS WITH LANDSCAPING PLANS. LIGHTS TO BE CONTROLLED BY EXISTING TIME CLOCK.
- REUSE EXISTING EXTERIOR LIGHTING CIRCUIT AND CONTROLS FROM REMOVED WALL SCIENCE.
- NEW DOUBLE HEAD EGRESS FIXTURE. LITHONIA ELA-DT OR EQUAL.
- PROVIDE ON/OFF SWITCH CONTROL FOR FESTOON LIGHTING. COORDINATE LOCATION OF DISCONNECT SWITCH WITH JOHN MOSAC, FACILITIES MANAGER.
- CIRCUIT LIGHTS THRU EXISTING TIME CLOCK CONTROLS. COORDINATE ON/OFF SCHEDULE WITH OWNER.
- COORDINATE LOCATION OF REQUIRED LOW VOLTAGE TRANSFORMER WITH GENERAL CONTRACTOR.
- FUTURE SIGN LIGHTING. PROVIDE JUNCTION BOX AND 3/4" CONDUIT FROM JUNCTION BOX UNDERGROUND TO LIGHTING CIRCUIT AS SHOWN. COORDINATE FINAL LOCATION WITH LANDSCAPE DESIGNER.



MARZICH  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

VMP  
ENGINEERING INC.  
623 Federal Parkway  
Dublin, Ohio 43016  
Phone: 614.405.3822  
Email: mail@vmpengineering.com

OUTDOOR READING ROOM

2411 MAIN STREET, BEXLEY, OHIO 43209

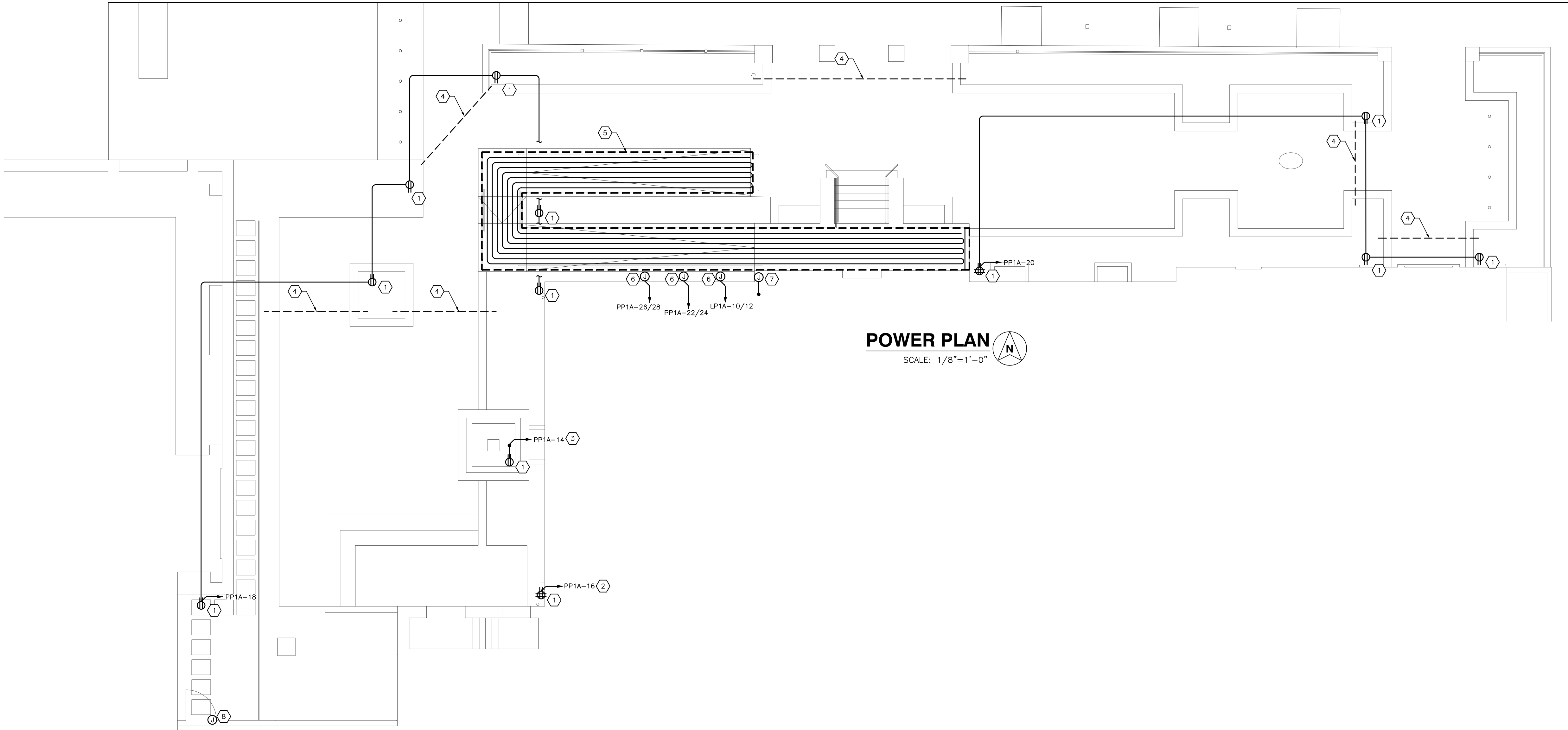
Date: June 6, 2025

Scale:

Sheet:

E1.1

EAST MAIN STREET



POWER PLAN  
SCALE: 1/8"=1'-0"

PLAN NOTES

1. PROVIDE OFCI PROTECTED, WEATHER PROOF, OUTDOOR RATED RECEPTACLE IN A LOCKED BOX. RECEPTACLES TO BE IN THE LANDSCAPE BED. COORDINATE FINAL LOCATIONS WITH OWNER'S REPRESENTATIVE.
2. PROVIDE DEDICATED CIRCUIT.
3. PROVIDE DEDICATED CIRCUIT FOR FOUNTAIN FEATURE. PROVIDE ON/OFF SWITCH AT REMOTE LOCATION. COORDINATE LOCATION OF DISCONNECT SWITCH WITH JOHN MOSAC, FACILITIES MANAGER.
4. POTENTIAL PATHWAY OF UNDERGROUND CONDUITS FOR POWER AND LIGHTING BETWEEN FLOWER BEDS. COORDINATE FINAL LOCATION AND PATH WITH GENERAL CONTRACTOR AND FIELD CONDITIONS. GENERAL CONTRACTOR TO PERFORM ALL NECESSARY SAW CUTTING.
5. PROVIDE ELECTRIC SNOW MELT SYSTEM FOR PAVED AREA(S) INDICATED. COORDINATE FINAL AREA OF SYSTEM WITH ARCHITECTURAL PLANS, BUILDING MATERIALS, LIMESTONE PAVERS, AND OWNER. PROVIDE TEMPERATURE SENSOR FOR AUTOMATIC ON/OFF. PROVIDE ANY AND ALL COMPONENTS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
6. POWER FOR SNOW MELT SYSTEM. RUN 2#6 AND 1#8 GROUND IN 1" CONDUIT FROM CONTROLLER TO 50A-2P BREAKER IN PANEL. CIRCUIT BREAKER TO BE CLASS B TYPE WITH 30mA GROUND FAULT PROTECTION. ELECTRICAL CONTRACTOR TO FIELD TEST CIRCUITS AND CONSOLIDATE AS NEEDED TO ALLOW ALL SNOW MELT CIRCUITS TO BE LOCATED ON THE SAME PANEL. COORDINATE FINAL POWER REQUIREMENTS AND CONNECTIONS WITH SELECTED SNOW MELT SYSTEM.
7. PROVIDE TOGGLE SWITCH FOR MANUAL ON/OFF OF SNOW MELT SYSTEM. COORDINATE LOCATION WITH JOHN MOSAC, FACILITIES MANAGER. COORDINATE REQUIREMENTS WITH SELECTED SNOW MELT SYSTEM.
8. POWER FOR GATE LOCK. COORDINATE REQUIREMENTS WITH FACILITIES MANAGER OF NEIGHBORING SYNAGOGUE.

EXISTING PANEL: LP1-A

MAINS: 100A			VOLTAGE: 120Y/208V., 3ø, 4W.			
100A MCB			MOUNTING: SURFACE			
REMARKS	KVA	BKR.	CIRCUIT NO. AND PHASE	BKR.	KVA	REMARKS
1102	0.70-L	20/1	1 A	2 20/1	0.50-L	OUTDOOR LTS
1102	0.80-L	20/1	3 B	4 20/1	0.50-L	OUTDOOR LTS
PENDANT	1.20-L	20/1	5 C	6 20/1	0.50-L	OUTDOOR LTS
STRIP	0.80-L	20/1	7 A	8 20/1	0.50-L	OUTDOOR LTS
CAN LIGHTS	0.80-L	20/1	9 B	10 20/1	3.64-A	SNOW MELT
STRIP	0.60-L	20/1	11 C	12 20/1	3.64-A	SNOW MELT
CAN LIGHTS	0.80-L	20/1	13 A	14 20/1	-	SPARE
PENDANT	1.20-L	20/1	15 B	16 20/1	-	SPARE
PENDANT	1.60-L	20/1	17 C	18 20/1	-	SPARE
PENDANT	0.80-L	20/1	19 A	20 20/1	-	SPARE
PENDANT	1.60-L	20/1	21 B	22 20/1	-	SPARE
SCDNCCE	0.80-L	20/1	23 C	24 20/1	-	SPARE
STRIP	0.50-L	20/1	25 A	26 20/1	-	SPARE
TOILETS	0.70-L	20/1	27 B	28 20/1	-	SPARE
WORK RM	1.50-L	20/1	29 C	30 20/1	-	SPARE
OFFICES	1.20-L	20/1	31 A	32 20/1	-	SPARE
SPARE	-	20/1	33 B	34 20/1	-	SPARE
SPARE	-	20/1	35 C	36 20/1	-	SPARE
SPARE	-	20/1	37 A	38 20/1	-	SPARE
SPARE	-	20/1	39 B	40 20/1	-	SPARE
SPARE	-	20/1	41 C	42 20/1	1.60-L	HALLWAY

LEGEND: L-LIGHTING, R-RECEPTACLES, M-MOTORS, H-HVAC REHEAT, A-APPLIANCE, MLO-MAIN LUGS ONLY, MCB-MAIN BREAKER, GF-GROUND FAULT, LC-LOCKING CLIP.

CONNECTED LOADS	DEMAND LOADS:	
LIGHTING: 17.20 KW	100%	= 17.20 KW
RECEPTS: 0.00 KW	100% TO 10 KW + 50% REMAIN	= 0.00 KW
MOTOR: 0.00 KW	80%	= 0.00 KW
APPLIANCE: 7.28 KW	80%	= 5.83 KW
HVAC: 0.00 KW	80%	= 0.00 KW
SUBTOTAL: 17.20 KW		SUBTOTAL = 23.03 KW
DEMAND TOTAL: 23.03 KW / (208V x $\sqrt{3}$ ) =		63.9 AMPS

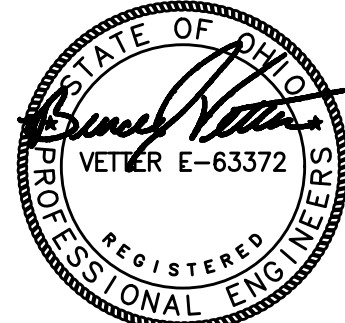
\* CONNECT NEW CIRCUIT TO EXISTING CIRCUIT BREAKER.  
\*\* INSTALL NEW CIRCUIT BREAKER IN EXISTING SPACE. CONNECT NEW CIRCUIT.  
\*\*\* REPLACE EXISTING CIRCUIT BREAKER(S) WITH NEW CIRCUIT BREAKER. CONNECT NEW CIRCUIT.

EXISTING PANEL: PP1-A

MAINS: 100A		VOLTAGE: 120Y/208V., 3ø, 4W.				
100A MAIN CB		MOUNTING: SURFACE				
REMARKS	KVA	BKR.	CIRCUIT NO. AND PHASE	BKR.	KVA	REMARKS
112	0.72-R	20/1	1 A	2 20/1	1.40-H	VAV BOX
112	0.72-R	20/1	3 B	4 20/1	1.40-H	VAV BOX
109	0.36-R	20/1	5 C	6 20/1	1.40-H	VAV BOXES
109	0.90-R	20/1	7 A	8 20/1	1.10-R	OFFICE RM
111	0.36-R	20/1	9 B	10 20/1	1.10-R	OFFICE RM
102	0.36-R	20/1	11 C	12 20/1	1.10-R	OFFICE RM
102	0.90-R	20/1	13 A	14 20/1	0.50-R	FOUNTAIN
102	0.36-R	20/1	15 B	16 20/1	0.18-R	OUTDOOR SPEC
102	0.36-R	20/1	17 C	18 20/1	1.08-R	OUTDOOR GEN
BOOK SECURITY	0.50-R	20/1	19 A	20 20/1	0.90-R	OUTDOOR GEN
101	0.72-R	20/1	21 B	22 50/2	3.64-A	SNOW MELT
101	1.20-R	20/1	23 C	24	3.64-A	
104	0.57-R	20/1	25 A	26 50/2	3.64-A	SNOW MELT
104	0.57-R	20/1	27 B	28	3.64-A	
104	0.57-R	20/1	29 C	30 20/1	-	SPARE
104	0.54-R	20/1	31 A	32 20/1	-	SPARE
105	0.72-R	20/1	33 B	34 20/1	-	SPARE
105	0.72-R	20/1	35 C	36 20/1	-	SPARE
CLOCK	0.20-R	20/1	37 A	38 20/1	-	SPARE
105	0.54-R	20/1	39 B	40 20/1	-	SPARE
EWG	0.18-H	20/1	41 C	42 20/1	-	SPARE

LEGEND: L-LIGHTING, R-RECEPTACLES, M-MOTORS, H-HVAC REHEAT, A-APPLIANCE, MLO-MAIN LUGS ONLY, MCB-MAIN BREAKER, GF-GROUND FAULT, LC-LOCKING CLIP.

CONNECTED LOADS	DEMAND LOADS:	
LIGHTING: 0.00 KW	100%	= 0.00 KW
RECEPTS: 14.83 KW	100% TO 10 KW + 50% REMAIN	= 12.42 KW
MOTOR: 0.00 KW	80%	= 0.00 KW
APPLIANCE: 14.56 KW	80%	= 11.65 KW
HVAC: 4.38 KW	80%	= 3.50 KW
SUBTOTAL: 33.77 KW		SUBTOTAL = 27.57 KW
		DEMAND TOTAL: 27.57 KW / (208V x $\sqrt{3}$ ) = 76.5 AMPS



MARZICH  
ARCHITECTURE  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

VMP  
ENGINEERING INC.  
623 Federal Parkway  
Dublin, Ohio 43016  
Phone: 614.405.3802  
Email: mail@vmpengineering.com

OUTDOOR READING ROOM

2411 MAIN STREET, BEXLEY, OHIO 43209

ELECTRICAL SPECIFICATIONS

1. GENERAL

A. FURNISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HERE-IN. WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING CATEGORIES:

1) WIRING DEVICES

2) POWER WIRING

3) MISCELLANEOUS WIRING AND INTERLOCKS

4) EQUIPMENT CONNECTIONS

5) PANELBOARDS/LOADCENTERS

6) TRANSFORMERS

7) LIGHTING FIXTURES

B. OBTAIN AND PAY FOR ALL PERMITS. UPON COMPLETION, PROVIDE A CERTIFICATE OF INSPECTIONS FROM THE GOVERNING ELECTRICAL AUTHORITY.

C. DURING THE BIDDING PERIOD, INSPECT THE SITE AND PREMISES OF PROPOSED WORK. REPORT IMMEDIATELY ANY OBSERVED DISCREPANCIES AS RELATED TO THE PLANS OR REQUIRED WORK. ALL WORK SHALL COMPLY WITH N.E.C.

D. WHERE TRADE NAMES, BRANDS, OR MANUFACTURERS ARE LISTED, ANY ONE OF THE NAMED ARE CONSIDERED EQUALLY ACCEPTABLE. NON-SPECIFIED MANUFACTURERS, PRODUCTS, OR MATERIAL SHALL BE USED UNLESS IT IS SUBMITTED DURING BIDDING, WITH STATED CHANGE IN COST, AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF ORDER. SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS.

E. WORKMANSHIP SHALL BE FIRST CLASS. THE ARCHITECT AND/OR ENGINEER'S JUDGEMENT SHALL PREVAIL IF THE QUALITY IS SUSPECT.

F. PROTECT MATERIAL AND EQUIPMENT AFTER DELIVERY TO THE JOB SITE. RESPECT OTHER TRADES AS RELATED TO PROTECTING THEIR WORK AND TO AVOID CONSTRUCTION INTERFERENCES. CALL ATTENTION TO PROBLEMS RELATING TO SPACE REQUIREMENTS SO EARLY RESOLUTION MAY BE OBTAINED. RESPECT THE OWNER'S PROPERTY AT ALL TIMES

G. CUT AND PATCH TO INSTALL WORK WHERE FAILURE TO INSTALL SLEEVES OCCURS, OR PAY OTHERS TO PERFORM SUCH WORK. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM ALL OF HIS OWN CUTTING AND PATCHING OF FLOORS AND WALLS WHERE NECESSARY TO INSTALL ELECTRICAL EQUIPMENT. CONCRETE SHALL BE SAW CUT, NEATLY AND ACCURATELY. NECESSARY HOLES SHALL BE CORE DRILLED AND FIRE SEALED. PATCHING SHALL BE DONE TO MATCH BOTH THICKNESS AND FINISH OF ADJACENT MATERIAL. GENERAL CONTRACTOR SHALL DO ALL PATCHING WORK, PAID FOR BY THE ELECTRICAL CONTRACTOR.

H. CONDUITS, CABLES AND WIRING WHICH PENETRATE WALLS, SLABS, MASONRY, ETC., SHALL DO SO THROUGH PIPE SLEEVES. PENETRATIONS THROUGH ALL ASSEMBLIES SHALL HAVE SLEEVES AND BE SEALED OUTSIDE AND INSIDE WITH CAULK OR TIGHTLY PACKED WITH INSULATION (BLANKET OR FOAM) TO PREVENT HEAT LOSS, INFILTRATION AND SOUND TRANSMISSION. PENETRATIONS THROUGH FIRE/SMOKE RATED ASSEMBLIES SHALL BE PROTECTED WITH PRODUCTS LISTED AND LABELED TO MAINTAIN THE FIRE/SMOKE RATING OF THE ASSEMBLY.

I. AS EACH ELECTRICAL SYSTEM IS COMPLETED, IT SHALL BE TESTED TO ASSURE FREEDOM FROM GROUND, AND THAT ALL REQUIRED FUNCTIONS HAVE BEEN PERFORMED. WORK SHALL BE INSPECTED AND APPROVED BY THE LOCAL INSPECTION AGENCY HAVING JURISDICTION. PERFORM SPECIAL RESISTANCE TESTS WHEN REQUESTED BY THE INSPECTION AGENCY TO PROVE THE SYSTEM'S INTEGRITY. FURNISH TO THE OWNER (THROUGH THE ARCHITECT), A FINAL INSPECTION CERTIFICATE.

J. DEMONSTRATE FUNCTIONS PERFORMED BY DEVICES AND SYSTEMS TO THE OWNER'S REPRESENTATIVE. FURNISH TO THE OWNER DATA SHEETS INDICATING NATURE AND FREQUENCY OF MAINTENANCE REQUIRED FOR SWITCHES, DEVICES, AND EQUIPMENT. ASSEMBLE AND DELIVER TWO (2) BOUND COPIES OF THIS DATA.

K. THIS CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, EQUIPMENT, AND MATERIAL ENTERING INTO THIS CONTRACT IN ACCORDANCE WITH THE OWNER-CONTRACTOR AGREEMENT EXECUTED FOR THE PROJECT, INCLUDING ALL LAMPS AND BALLASTS. ANY WORK PROVEN TO BE DEFECTIVE DURING THIS PERIOD SHALL BE MADE GOOD BY THIS CONTRACTOR WITH NO EXPENSE TO THE OWNER.

L. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF "AS-BUILT" DRAWINGS TO THE OWNER AT THE COMPLETION OF THE PROJECT. THE DRAWINGS ARE TO SHOW ALL CONDUIT, DEVICES, WIRE QUANTITY AND SIZES.
2. DEMOLITION

A. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL EXISTING WORK WHICH IS KINDRED TO HIS TRADE, AND NOT REQUIRED WHEN THE NEW SYSTEM IS INSTALLED. COOPERATE WITH THE GENERAL CONTRACTOR AND REMOVE EXISTING UNUSED CONDUIT TO BEHIND WALLS OR BELOW FLOORS AS NECESSARY, OR DIRECTED. UPON COMPLETION, NO UNUSED CONDUIT, STUB UPS, OR JUNCTION BOXES SHALL EXTEND THRU FLOORS, WALLS, OR CEILINGS. ABANDON CONDUIT WHERE REMAINING IN PLACE SHALL HAVE ALL UNUSED WIRING REMOVED. MATERIAL AND EQUIPMENT WHICH IS REMOVED SHALL NOT BE RE-USED ON THIS PROJECT.
3. WIRING DEVICES

A. HARD USE SPECIFICATION GRADE WIRING DEVICES AND GROUND FAULT CIRCUIT INTERRUPTERS IN NEMA CONFIGURATIONS AS SHOWN ON THE ELECTRICAL PLANS. DEVICES AND COVER PLATES SHALL BE IVORY IN COLOR. COVER PLATES SHALL BE NON-BREAKABLE, AND NON-COMBUSTIBLE NYLON, 0.100" THICK. DEVICES MUST BE SIDE AND BACK WIRED. QUICK CONNECT OR PLUG-IN TYPE RECEPTACLES ARE NOT APPROVED. HUBBELL, P&S, OR COOPER.

B. ALL DUPLEX AND QUAD RECEPTACLES WITHIN BUSINESS OFFICES, CORRIDORS AND WAITING ROOMS IN CLINICS, MEDICAL & DENTAL OFFICES AND OUTPATIENT FACILITIES SHALL BE TAMPER-RESISTANT TYPE PER N.E.C. 406.12 EXCEPT WHERE EXEMPTED.
4. RACEWAYS & BOXES

B. CONDUIT SHALL BE USED FOR ALL WIRING, EXCEPT AS NOTED FOR "MC" CABLE ASSEMBLIES. CONDUIT SYSTEMS MAY BE ANY ONE OR A COMBINATION OF THE FOLLOWING, WITHIN RESTRICTING LIMITS INDICATED. CONDUIT TYPES NOT LISTED SHALL NOT BE USED. MINIMUM SIZE FOR ALL TYPES SHALL BE 3/4".

1) RIGID GALVANIZED CONDUIT - NO RESTRICTIONS

2) INTERMEDIATE GRADE GALVANIZED THREADED CONDUIT - NO RESTRICTIONS

3) THINWALL CONDUIT WITH APPROVED CONNECTOR FITTINGS TO ASSURE GROUNDING CONTINUITY, SUBJECT TO THE FOLLOWING RESTRICTIONS:

a. HAZARDOUS OR CORROSIVE ATMOSPHERES

b. NOT IN POURED CONCRETE, OUTDOOR OR UNDERGROUND

c. EXPOSED BELOW 96" ABOVE FINISHED FLOOR

4) FLEXIBLE METAL CONDUIT (GREENFIELD TYPE), GALVANIZED. USE RESTRICTED TO THE FOLLOWING APPLICATIONS:

a. CONNECTIONS TO LIGHTING FIXTURES, MAXIMUM LENGTH IS 6 FEET

5) LIQUID TIGHT FLEXIBLE METAL CONDUIT WITH WATERTIGHT OIL RESISTANT OUTER PVC COVERING. USE REQUIRED.

a. CONNECTIONS TO MOTORS OR CONTROL ON DYNAMIC EQUIPMENT

b. CONNECTIONS TO FURNITURE ELECTRICAL OUTLETS

6) RIGID NON-METALLIC (SCHEDULE 40 PVC)

a. THIS CONDUIT MAY BE USED IN OR UNDER CONCRETE SLABS ON GRADE, IN CONCRETE DUCT BANKS, AND DIRECT BURIED

b. THIS CONDUIT MAY NOT RUN EXPOSED WHERE SUBJECT TO PHYSICAL DAMAGE

c. TYPE EB MAY BE USED WHERE U.L. LISTED FOR SPECIFIC USE INTENDED

C. CONDUIT FITTINGS SHALL BE MANUFACTURED BY EFCOR, STEEL CITY, RACO, MIDWEST, ETP, OR TAB. WHERE THE METALLIC CONDUIT SYSTEM IS USED AS THE EQUIPMENT GROUNDING SYSTEM:

1) RIGID CONDUIT-COUPPLINGS AND CONNECTORS SHALL BE THREADED STEEL, CONCRETE TIGHT WITH NON-INSULATED THROAT. GROUND BUSHINGS SHALL BE INSULATED MALLEABLE IRON.

2) EMT-FITTINGS SHALL BE ALL STEEL SET SCREW TYPE, CONCRETE TIGHT, WITH INSULATED THROAT FITTINGS. GROUND BUSHINGS SHALL BE INSULATED
- MALLEABLE TYPE.

3) FLEXIBLE CONDUIT-MALLEABLE IRON, "SQUEEZE" TYPE

4) LIQUID-TIGHT CONDUIT-STEEL OR MALLEABLE IRON
- D. RUN CONDUITS AGAINST UNDERSIDE OF STRUCTURE OR AGAINST TOP CHORD OF JOISTS OR TRUSSES, WHETHER EXPOSED OR CONCEALED. IN NO CASE SHALL CONDUIT BE RUN IMMEDIATELY ABOVE ACCESSIBLE CEILINGS. USE ONLY METALLIC CONNECTORS AND FASTENERS. IN CONCRETE SLAB, LIMIT CONDUIT SIZE TO 3/4", LARGER CONDUITS SHALL BE INSTALLED UNDER THE SLAB. PLACE METALLIC CONDUITS ABOVE THE VAPOR BARRIER WHEN SLAB IS ON GRADE. WHERE FEEDERS ARE TO BE RUN BELOW FLOOR SLAB ON GRADE, THEY SHALL BE INSTALLED IN CONDUIT ENCASED IN 3" CONCRETE.
- E. BRANCH CIRCUITS FOR LIGHTING AND RECEPTACLE CIRCUITS MAY BE TYPE "MC" CABLE ASSEMBLIES, WHERE PERMITTED BY N.E.C. "MC" SHALL BE USED ONLY WHERE CONCEALED IN WALLS OR ABOVE CEILINGS. ALL "MC" CABLE SHALL BE PROPERLY SUPPORTED PER N.E.C. ALL CONDUITS LEAVING A PANELBOARD MUST BE A MINIMUM OF EMT CONDUIT TO ABOVE CEILING, THEN TRANSITION TO "MC" CABLE.
- F. DEVICE AND JUNCTION BOXES SHALL BE GALVANIZED STEEL, CODE GAUGE AND SIZE, BY STEEL CITY, RACO, APPLETON, OR T&B. BOXES CONNECTING MORE THAN ONE PAIR OF CONDUCTORS SHALL BE A MINIMUM 4"x4" OR 4" OCTAGONAL SIZE. USE ADAPTER PLATES FOR DEVICES WHERE NUMBER OF CONNECTIONS OR OTHER CONDITIONS DICTATE. EXTERIOR WEATHERPROOF METALLIC COVER PLATES SHALL BE HEAVY CAST ALUMINUM SIMILAR TO PASS & SEMOUR #4510 UNLESS NOTED OTHERWISE.
5. CONDUCTORS

A. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. MINIMUM SIZE IS #12 AWG FOR BRANCH CIRCUITS AND #14 FOR CONTROL CIRCUITS. SEE DRAWINGS FOR VOLTAGE DROP PARAMETERS. BUILDING WIRING SHALL BE INSULATED FOR 600 VOLT, TYPE THW, THWN, XHHW, OR THHN, SUBJECT TO MOISTURE AND HEAT LIMITATIONS STATED IN CODE. USE ONLY THW, THHN, OR XHHW CONDUCTORS FOR CONNECTIONS TO LIGHTING AND EMERGENCY FIXTURES. SERVICE CONDUCTORS AND SELECTED FEEDERS MAY BE ALUMINUM. ALL SERVICE AND FEEDER GROUNDING CONDUCTORS MUST BE COPPER, NO EXCEPTIONS. ALL WIRING TO BE COLOR-CODED AS FOLLOWS:

120/208 VOLT SYSTEM: 277/480 VOLT SYSTEM:

NEUTRAL-WHITE NEUTRAL-GRAY

PHASE A OR L1-BLACK PHASE A OR L1-BROWN

PHASE B OR L2-RED PHASE B OR L2-ORANGE

PHASE C OR L3-BLUE PHASE C OR L3-YELLOW

GROUND-GREEN GROUND-GREEN w/YELLOW TRACER

B. BRANCH CIRCUITS IN COMMERCIAL PROJECTS MAY BE TYPE "NM" (ROMEX) CABLE ASSEMBLIES IN WOOD-FRAMED CONSTRUCTION, WHERE PERMITTED BY N.E.C. 334. ROMEX IS NOT ALLOWED ABOVE LAY-IN (DROPPED) CEILINGS PER NEC 334.12.
6. GROUNDING

A. THE BUILDING NEUTRAL SHALL BE IDENTIFIED THROUGHOUT BY A WHITE CONDUCTOR. WORK INCLUDES GROUNDING OF THE SYSTEM NEUTRAL, EQUIPMENT, AND CONDUIT SYSTEMS TO CONFORM TO N.E.C. ALL GROUND RODS SHALL BE COPPER CLAD, MOLTEN CADWELDED COPPER TO STEEL, 5/8" DIAMETER-10'-0" LONG. RUN GREEN GROUND CONDUCTOR IN ALL CONDUITS. PROVIDE BONDING JUMPER.
9. PANELBOARDS/LOADCENTERS

A. BRANCH CIRCUIT PANELBOARDS SHALL BE SQUARE D TYPE "NODD" FOR 120/208V-3ø-4W, AND TYPE "NIT" FOR 277/480V-3ø-4W. BRANCH CIRCUIT LOADCENTERS SHALL BE SQUARE D TYPE "QOO" FOR 120/208V-1ø-3ø, EQUALS BY GENERAL ELECTRIC, Eaton OR SIEMENS. SEE DRAWINGS FOR SURFACE OR FLUSH MOUNTING. BUSBARS SHALL BE ALL COPPER WITH SEPARATE GROUND BAR. CIRCUIT BREAKERS SHALL BE BOLTED TYPE WITH 10KAIC FOR BRANCHES AND 42KAIC FOR MAIN BREAKERS. CIRCUIT BREAKERS USED FOR PROTECTION OF HEATING, AIR CONDITIONING AND REFRIGERATION EQUIPMENT SHALL BE U.L. "NACR" TYPE. CABINETS SHALL BE MINIMUM OF 20" WIDE WITH HINGED AND LOCKED DOOR. ALL PANELS SHALL BE KEYPED THE SAME.

B. NEW CIRCUIT BREAKERS ADDED TO EXISTING PANELBOARDS SHALL MATCH PANEL MANUFACTURER, VOLTAGE RATING, AND FAULT CURRENT RATING OF EXISTING PANELBOARD VALUES.
11. FUSES

A. PROVIDE FUSES FOR EACH FUSE GAP IN FUSIBLE DISTRIBUTION EQUIPMENT AND DISCONNECT SWITCHES BY BUSSMANN, GOULD-SHAWMUT OR LITTELFUSE ONLY. FUSES OVER 600 AMP UL CLASS 1 SHALL BE BUSSMANN TYPE KRP-C, SMALLER FUSES UL CLASS RK-1 SHALL BE BUSSMANN LPJ-SR, LPN-RK OR LPS-RK DUAL ELEMENT TIME DELAY. FURNISH ONE SPARE FUSE FOR EACH FUSE REQUIRE. TURN OVER TO THE OWNER AND RECORD IN WRITING TO THE ARCHITECT.
12. DISCONNECTS, STARTERS AND CONTROLS

A. DISCONNECT SWITCHES SHALL BE HEAVY DUTY WITH LOCKING DEVICES, FUSED WHERE USED TO PROTECT CIRCUIT WIRING.

B. CONTROL RELAYS: CONTROL RELAYS SHALL BE SIMILAR TO SQUARE D CLASS 501 WITH 600 VOLT, 15 AMP CONVERTIBLE CONTACTS. FURNISH IN NEMA 1 ENCLOSURE WITH COILS AND CONTACTS. EQUIPMENT SHALL BE SQUARE D OR EQUAL BY SIEMENS, G.E. OR Eaton.
13. IDENTIFICATION

A. IDENTIFY THE FOLLOWING: SWITCHBOARDS, PANELBOARDS, DISTRIBUTION PANELS, DISCONNECT SWITCHES AND BREAKERS, AND MOTOR STARTERS, ETC. INSTALL AN ENGRAVED, LAMINATE PLASTIC PLATE (NORMAL POWER-BLACK PLATE WITH WHITE LETTERS, EM POWER-RED PLATE WITH WHITE LETTERS). INSTALL A TYPEWRITTEN DIRECTORY IN EACH BRANCH CIRCUIT PANEL.

B. IN HOSPITALS AND NURSING HOMES, INSTALL A CIRCUIT NUMBER LABEL (EX. A-30) ON EACH LIGHT SWITCH AND POWER RECEPTACLE COVER PLATE (NORMAL POWER-BLACK LABEL WITH WHITE LETTERS. EM POWER-RED LABEL WITH WHITE LETTERS).
14. EQUIPMENT CONNECTIONS

A. MISCELLANEOUS ITEMS OF EQUIPMENT REQUIRE WIRING CONNECTIONS AS SHOWN. FURNISH POWER AND CONTROL SOURCES FOR THESE. OBTAIN ROUGH-IN DRAWINGS AND INFORMATION ON FURNISHED CONTROLS FROM THE EQUIPMENT SUPPLIER. PLACE DISCONNECTS AND CONNECTION BOXES IN AN INCONSPICUOUS BUT ACCESSIBLE LOCATION. COORDINATE LOCATIONS WITH EQUIPMENT SUPPLIER AND THE ARCHITECT.
15. LIGHTING FIXTURES

A. LIGHTING FIXTURES AND SPECIFIED APPROVED MANUFACTURERS ARE SHOWN ON THE DRAWINGS, AND ARE STANDARDS FOR DESIGN, QUALITY AND APPEARANCE. APPROVED MANUFACTURERS LISTED IN SCHEDULE MAY BE USED AT THE CONTRACTOR'S OPTION FOR THAT FIXTURE ONLY. ALL FIXTURES SHALL BE NEW AND U.L. LABELED.

B. FIXTURE MATERIALS GIVEN WITH THE STANDARD FIXTURES SHALL BE MAINTAINED IF ALTERNATE MANUFACTURERS ARE USED, I.E., METAL SIDES FOR METAL SIDES, ACRYLIC PLASTIC LOUVER OR ACRYLIC PLASTIC LOUVER, ETC. LENS THICKNESS FOR L.E.D. FIXTURES SHALL BE 0.125 INCHES, MINIMUM (NOT NOMINAL) AND HAVE A MINIMUM WEIGHT OF 8.0 OUNCES PER SQUARE FOOT. RECESSED INCANDESCENT FIXTURES SHALL BE EQUIPPED WITH THERMAL PROTECTION IN ACCORDANCE WITH NEC ARTICLE 410.115(C) AND UL 1571.

C. L.E.D. ARRAYS SHALL BE SEALED, HIGH PERFORMANCE, LONG LIFE TYPE; MINIMUM 70% RATED OUTPUT AT 50,000 HOURS. THE L.E.D. LIGHT SOURCE SHALL BE FULLY DIMMABLE WITH USE OF A COMPATIBLE DIMMER SWITCH DESIGNATED FOR LOW VOLTAGE LOADS. DRIVERS SHALL BE SOLID STATE AND ACCEPT 120 THRU 277 VAC AT 60 HZ INPUT.

D. NO FIXTURES SHALL BE INSTALLED UNTIL PAINTING IS COMPLETED, FIXTURES WITH PAINT MARKS ON THEM SHALL BE REPLACED. ALL LIGHTING FIXTURES ARE TO BE
- GROUNDING ON THE INTERIOR OF THE FIXTURE HOUSING, ON CLEAN BARE METAL (FREE OF PAINT), BY USE OF A PIGTAL AND FASTENED BY A SCREW USED FOR NO OTHER PURPOSE. ALL FIXTURES SHALL BE THOROUGHLY CLEANED PRIOR TO THE COMPLETION OF THE PROJECT.

E. INSTALLATION: SURFACE MOUNTED FIXTURES SHALL BE FASTENED AT EACH OF THE FOUR CORNERS AND FIT TIGHT TO THE CEILING SUSPENSION SYSTEM. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO SUPPORT EACH RECESSED LIGHT FIXTURE WITH A SUPPORT WIRE AT ALL FOUR CORNERS OF THE LIGHT FIXTURE. FIXTURES SHALL BE INSTALLED FLUSH WITHIN CEILING SUSPENSION SYSTEM. THE T-BAR SHALL NOT BE CUT OUT TO PROVIDE ROOM FOR THE JUNCTION BOX. PRIOR TO THE INSTALLATION OF ANY LIGHT FIXTURES, THIS CONTRACTOR SHALL COORDINATE PLACEMENT OF LIGHT FIXTURES WITH FIRE PROTECTION CONTRACTOR'S SPRINKLER HEAD LAYOUT.
17. SHOP DRAWINGS

P. SUBMIT ELECTRONIC COPY OF SHOP DRAWINGS ON MAJOR ITEMS OF EQUIPMENT AND MATERIALS. ALL REQUIREMENTS BELOW APPLY TO ELECTRONIC SUBMITTALS, SHOP DRAWING SUBMITTALS HAVING MISSING OR INCOMPLETE INFORMATION SHALL BE RETURNED AS REJECTED.

Q. REVIEW EACH SUBMITTAL AND INDICATE THE EXACT ITEM TO BE FURNISHED WITH ALL REQUIRED OPTIONS AND ACCESSORIES HIGHLIGHTED. EACH ELECTRONIC COPY SHALL HAVE THE CONTRACTOR'S APPROVAL STAMP BEFORE SUBMITTING TO THE ENGINEER.

R. EACH SUBMITTAL SHALL ALSO PROVIDE A COVER SHEET FOR THE ELECTRONIC SUBMITTAL FOR EACH SHOP DRAWING SECTION WITH THE FOLLOWING FORMAT AND INFORMATION: TITLE OF PROJECT, OWNER, ADDRESS, VMP ENGINEERING PROJECT COMMISSION NUMBER, SECTION NUMBER AND NAME, DATE SUBMITTED, PROVIDE THE NAME, PHONE, AND ADDRESS OF THE FOLLOWING: CONTRACTOR, ARCHITECT, ENGINEER, AND DISTRIBUTOR. SECOND PAGE: INDEX OF SUBMITTALS'S CONTENTS.

S. SUBMIT OUT SHEET SUBMITTALS OF THE FOLLOWING PRODUCTS TO THE ENGINEER FOR REVIEW (ALL PRODUCTS MUST BE APPROVED BY THE ENGINEER PRIOR TO ORDERING):

1) LIGHT FIXTURES (INCLUDING LAMPS AND BALLASTS)
18. OPERATION & MAINTENANCE MANUAL

A. FURNISH (1) ONE COPY (IN PDF FORMAT) OF OPERATION AND MAINTENANCE INSTRUCTIONS TO ENGINEER FOR REVIEW. THE COPY SHALL BE NEAT AND LEGIBLE. AFTER APPROVAL PROVIDE (1) ONE ELECTRONIC COPY IN PDF FORMAT TO THE OWNER, INSTRUCTIONS SHALL CONSIST OF THE FOLLOWING:

1) TITLE PAGE: TITLE OF PROJECT, ADDRESS, DATE OF SUBMITTAL, NAME AND ADDRESS OF CONTRACTOR, NAME OF ENGINEER.

2) SECOND PAGE: INDEX OF MANUAL CONTENTS.

3) FIRST SECTION: A COPY OF EACH APPROVED SHOP DRAWING AND SUBMITTAL WITH AN INDEX AT THE BEGINNING OF THE SECTION.

4) SECOND SECTION: LIST OF ALL EQUIPMENT USED ON THE PROJECT WITH THE SUPPLIER'S NAME AND ADDRESS, MANUFACTURER'S NAME, REPRESENTATIVE, MODEL, SERIAL NUMBER, METHOD BY WHICH OWNER CAN CONTACT SERVICE.

5) THIRD SECTION: BRIEF BUT COMPLETE INSTRUCTIONS FOR START-UP, OPERATION, SHUT-DOWN, TROUBLESHOOTING, AND MAINTENANCE OF MOTOR CONTROL EQUIPMENT, SWITCHBOARDS, DISCONNECTS, PANELBOARDS, AND TVSS EQUIPMENT.

6) FOURTH SECTION: OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL SYSTEMS, INCLUDING FIRE ALARM AND LIGHTING CONTROL SYSTEMS, MANUFACTURER'S OPERATING AND MAINTENANCE MANUALS FOR EQUIPMENT FURNISHED UNDER THIS CONTRACT WILL BE ACCEPTABLE UNLESS THE SYSTEM IS CUSTOMIZED FOR THE PARTICULAR PROJECT. ALL MANUALS SHALL INCLUDE SUCH ITEMS AS COMPLETE OPERATING INSTRUCTIONS, SYSTEM START-UP, SYSTEM SHUT-DOWN, TROUBLE- SHOOTING TIPS, PARTS LISTS, AND DETAILED MAINTENANCE INSTRUCTIONS.

7) FIFTH SECTION: COMPLETE AS-BUILT WIRING DIAGRAMS FOR THE SYSTEMS REFERENCED IN THE FOURTH SECTION. DIAGRAMS SHALL BE CLEARLY LEGIBLE. LEGAL SIZE SHEETS ARE ACCEPTABLE AS LONG AS THEY ARE FOLDED NEATLY. DRAWINGS LARGER THAN LEGAL SIZE SHALL BE ENCLOSED IN A CLEAR ZIP-POUCH AND INCLUDED IN THIS SECTION.
- 
- MARZICH  
ARCHITECTURE
- 2465 SINICA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260
- 
- ENGINEERING INC.  
9225 Imperial Parkway  
Dublin, Ohio 43016  
Phone: 614-405-3802  
Email: mail@vmpengineering.com
- OUTDOOR READING ROOM
- 2411 MAIN STREET, BEXLEY, OHIO 43209
- Date: June 6, 2025

\_\_\_\_\_

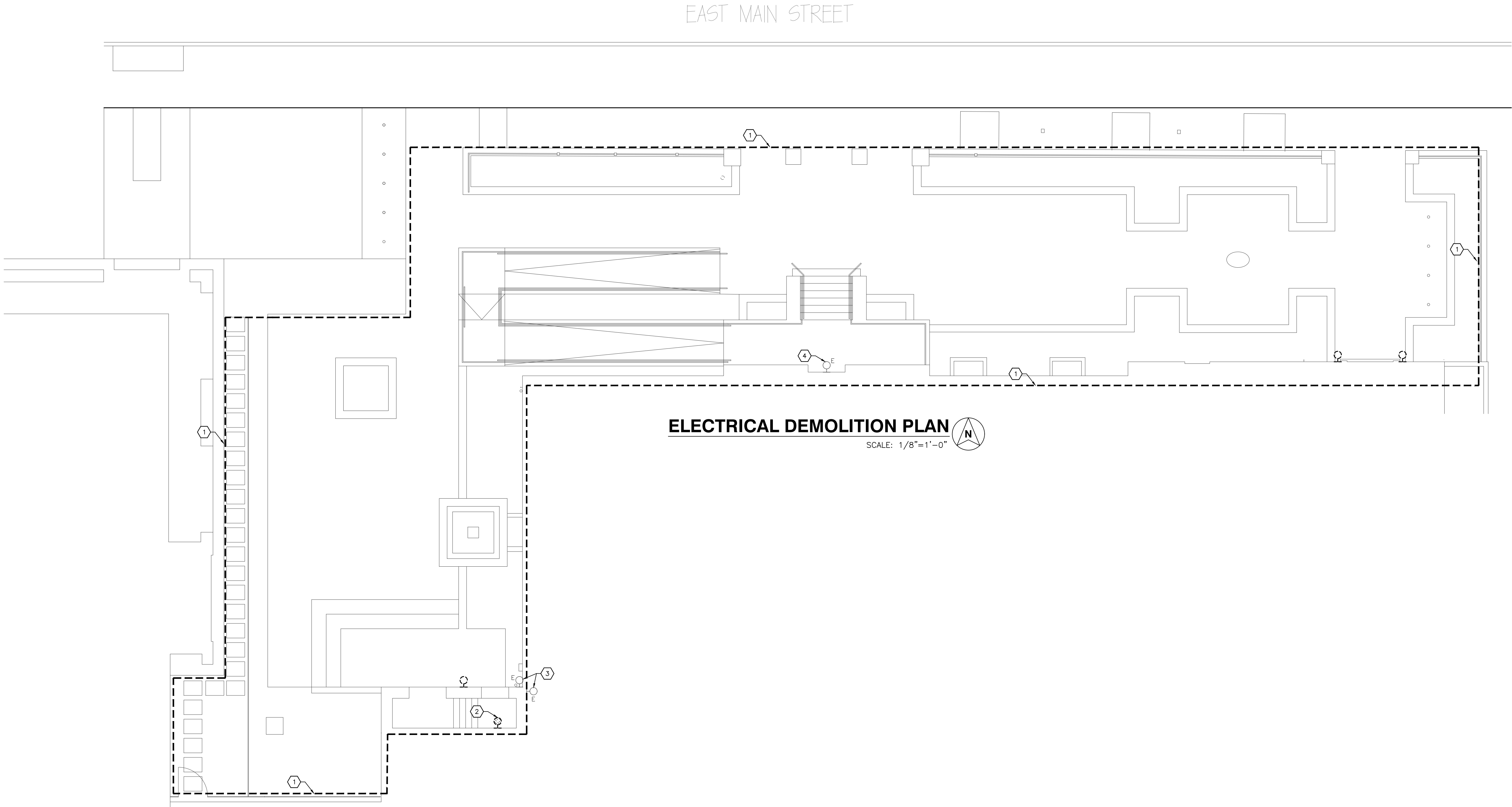
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Scale: \_\_\_\_\_

Sheet: \_\_\_\_\_
- E2.1



**GENERAL DEMOLITION NOTES**

A. IN GENERAL, DEMOLITION PLAN SHOWS ALL EXISTING EQUIPMENT TO BE REMOVED, HOWEVER ELECTRICAL EQUIPMENT, WEATHER SHOWN ON THIS DRAWING OR NOT THAT IS LOCATED IN REMOVED WALLS, FLOORS OR CEILING SHALL BE REMOVED UNLESS OTHERWISE NOTED.

B. THE CONTRACTOR SHALL VISIT THE SITE SPECIFICALLY INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THESE EXISTING CONDITIONS, AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO PERFORM HIS WORK.

C. IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, ELECTRICAL EQUIPMENT, ETC. AFFECTED BY THE REMODELED AREA. THIS WILL INCLUDE REROUTING, OR THE EXTENSION OF EXISTING CONDUITS AND FEEDERS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.

D. ALL CIRCUIT NUMBERS AND EXISTING CONDUIT HOMERUNS SHOWN ON THESE DRAWING WERE TAKEN FROM EXISTING RECORD DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF HOMERUNS, AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED.

E. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEM, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY AN ABANDONED OUTLETS. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING CONDUIT, WIRING, ETC AS REQUIRED.

F. ALL ELECTRICAL FIXTURES, OUTLETS, DEVICES, ETC. THAT ARE REMOVED, SHALL BE REMOVED COMPLETELY, INCLUDING CONDUIT AND WIRING BACK TO THE LAST FIXTURE, OUTLET, DEVICE, ETC. REMAINING IN SERVICE.

G. EXISTING CIRCUIT WHICH ARE REMOVED AND NOT REUSED SHALL BE IDENTIFIED ON THE PANEL, SCHEDULE AS 'SPARE'.

H. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT, AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS IN AN "AS-FOUND" CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT.

I. ELECTRICAL CONTRACTOR TO CIRCUIT TRACE ALL EXISTING LIGHTING, WIRING DEVICES AND MECHANICAL EQUIPMENT TO REMAIN IN PROJECT SCOPE OF WORK AREA AND UPDATE EXISTING PANELBOARD SCHEDULES ACCORDINGLY.

J. EXISTING CONDUIT MAY BE REUSED IF ADEQUATELY SIZED, BUT IN NO CASE SHALL ANY EXISTING CONDUCTORS BE REUSED.

K. IN SOME INSTANCES, IT MAY BE NECESSARY FOR THE ELECTRICAL CONTRACTOR TO TEMPORARILY RELOCATE, REROUTE, ETC., EXISTING ELECTRICAL EQUIPMENT. THIS SHALL BE DONE SO THAT THE SYSTEMS IN ALL PHASES (THOSE COMPLETED AND THOSE YET TO BEGIN), ARE IN COMPLETE OPERABLE CONDITION AS CONSTRUCTION PROCEEDS THRU EACH PHASE.

L. WHERE NEW CIRCUITS ARE SHOWN CROSSING PHASES BOUNDARIES (I.E. CORRIDOR LIGHTING, ETC.) THIS CONTRACTOR SHALL CONNECT ALL EQUIPMENT, FIXTURES, ETC. IN THE PHASE WHICH IS THEN UNDER CONSTRUCTION. CONTRACTOR SHALL STUBOUT ALL REQUIRED CONDUIT AND WIRING ACROSS PHASE BOUNDARIES THEN PICK UP AND EXTEND THESE CONDUIT RUNS WHEN CONSTRUCTION BEGINS IN THE ADJACENT PHASE.

M. DURING EACH PHASE OF DEMOLITION, ALL CIRCUITS FROM EXISTING PANELS WHICH FEED AREAS OUTSIDE THE BOUNDARIES OF THAT PHASE, SHALL BE MAINTAINED.

**LINE TYPE LEGEND**

———— LIGHT CONTINUOUS LINEWEIGHT IS EXISTING TO REMAIN.

----- HEAVY DASHED LINEWEIGHT IS DEMOLISHED WORK.

———— HEAVY CONTINUOUS LINEWEIGHT IS NEW WORK.

**DEMO PLAN NOTES**

1. REMOVE ALL ELECTRICAL DEVICES AND WIRING AS REQUIRED TO ALLOW FOR NEW WORK. ALL LANDSCAPE LIGHTING AND CONTROLS TO BE REMOVED.

2. REMOVE EGRESS FIXTURE FOR REPLACEMENT WITH NEW CODE COMPLIANT EGRESS FIXTURE. SEE LIGHTING PLAN FOR ADDITIONAL INFORMATION.

3. EXISTING SECURITY LIGHT. COORDINATE POTENTIAL REMOVAL WITH OWNER'S REPRESENTATIVE.

4. EXISTING WALL SCONCE TO REMAIN.

**STATE OF OHIO**  
**REGISTERED PROFESSIONAL ENGINEERS**  
VETER E-63372

**MARZICH ARCHITECTURE**  
2465 SENECA PARK PLACE BEXLEY, OHIO 43209  
614.314.0260

**VMP ENGINEERING INC.**  
623 Federal Parkway  
Dublin, Ohio 43016  
Phone: 614-405-3822  
Email: mail@vmpengineering.com

**OUTDOOR READING ROOM**

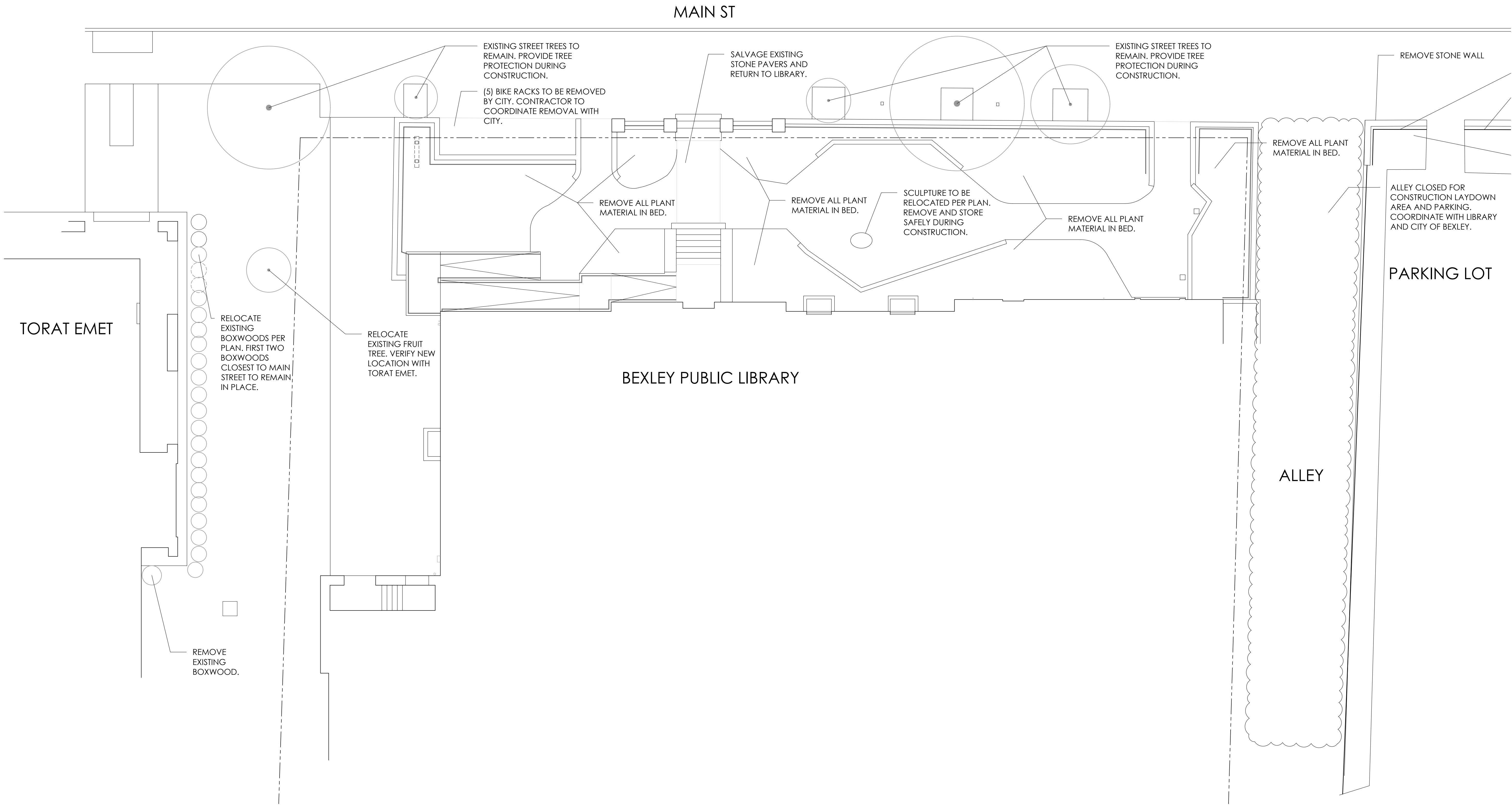
2411 MAIN STREET, BEXLEY, OHIO 43209

Date: June 6, 2025

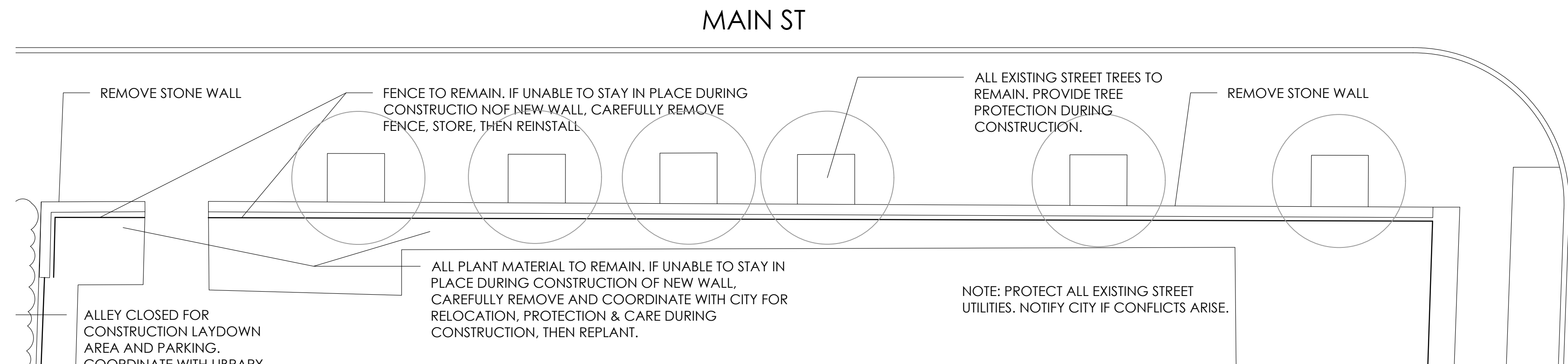
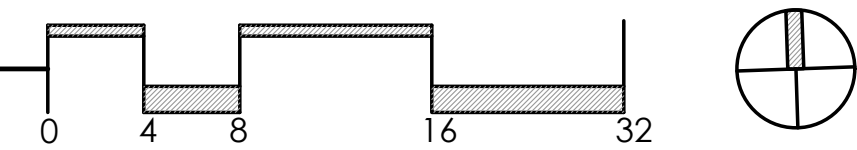
Scale:

Sheet:

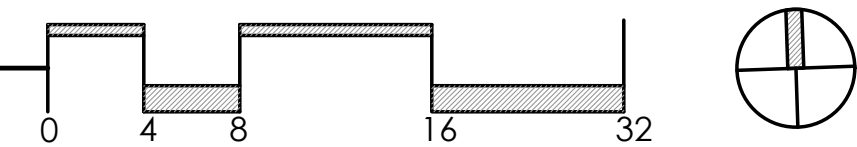
**ED1.1**



1 LANDSCAPE DEMOLITION PLAN  
SCALE: 1/8" = 1' - 0"



2 LANDSCAPE DEMOLITION PLAN - PARKING LOT (ALT. #1)  
SCALE: 1/8" = 1' - 0"



spruce

271 S. CASSINGHAM RD.  
COLUMBUS, OH 43209  
T (626) 626-3330

SETS & REVISIONS:	DATE:
BID SET	6-6-25

OUTDOOR READING  
ROOM

2411 E MAIN ST  
BEXLEY, OH 43209

EXISTING SITE AND  
LANDSCAPE  
DEMO PLAN

ALL DRAWING ARE THE ORIGINAL WORK OF SPRUCE LLC AND MAY NOT BE DISCLOSED, USED OR DUPLICATED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF SPRUCE LLC. SPRUCE LLC RESERVES THE RIGHT TO SUBSTITUTE PLANTS DUE TO AVAILABILITY AND QUALITY.

L1.0

GENERAL NOTES

- EACH CONTRACTOR IS TO VERIFY WITH OWNER AND UTILITY COMPANIES THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION, TO DETERMINE IN THE FIELD THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL CALL UTILITY PROTECTION SERVICE 72 HOURS PRIOR TO CONSTRUCTION.
- EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
- CONTRACTOR RESPONSIBLE FOR COST OF REPAIRS TO EXISTING SITE CONDITIONS WHEN DAMAGED BY CONTRACTOR. REPAIR TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN LAWN AREAS, IF APPLICABLE.
- FINE GRADE LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE FREE OF IRREGULARITIES OR DEPRESSIONS.
- CONTRACTOR SHALL SEED OR SOD ALL AREAS DISTURBED DURING CONSTRUCTION.
- QUANTITIES SHOWN ARE INTENDED TO ASSIST CONTRACTOR IN EVALUATING THEIR OWN TAKE OFFS AND ARE NOT GUARANTEED AS ACCURATE REPRESENTATIONS OF REQUIRED MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR BID QUANTITIES AS REQUIRED BY THE PLAN.
- WHERE TREE LOCATIONS OCCUR UNDER EXISTING OVERHEAD UTILITIES OR CROWD EXISTING TREES, NOTIFY OWNER'S REPRESENTATIVE TO ADJUST TREE LOCATIONS.
- PROTECT ALL STREET TREES PER CITY OF BEXLEY STANDARDS.
- IRRIGATE ALL BEDS. PROVIDE CONDUIT FOR IRRIGATION AND LIGHTING TO ALL BEDS. PROVIDE (2) SPARE CONDUIT ON EACH OF STONE WALLS FLANKING MAIN ENTRANCE TO ALLOW FOR FUTURE LIGHTING AND IRRIGATION OF STREET TREE BEDS.

PLANT INSTALLATION NOTES

- PLANT MATERIAL SHALL BE FURNISHED IN THE QUANTITIES AND/OR SPACING AS SHOWN OR NOTED. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.
- CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL SITE ELEMENTS AND IMMEDIATELY INFORM THE OWNER AND DESIGN CONSULTANT OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS AND ACTUAL CONDITIONS. NO WORK SHALL BE DONE IN ANY AREA WHERE THERE IS A DISCREPANCY WITHOUT OWNER'S APPROVAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING IN THE PROJECT REQUIRED TO PROVIDE A PROPER PLANTING BED.
- CONTRACTOR SHALL PROVIDE PROFESSIONAL BLEND TOPSOIL IN ALL BEDS.
- ALL PLANT MATERIAL TO MEET OR EXCEED AMERICAN STANDARD FOR NURSERY STOCK, 1986 EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL PLANT MATERIALS SUBJECT TO INSPECTION PRIOR, DURING AND AFTER INSTALLATION. ANY PLANT NOT MEETING THE REQUIREMENTS WILL BE CAUSE FOR REJECTION BY THE OWNER. ALL REJECTED PLANTS SHALL BE IMMEDIATELY REMOVED AND DISPOSED OF BY THE CONTRACTOR AND THE REPLACEMENT MATERIAL SHALL BE PROVIDED.
- ALL SUBSTITUTIONS AND PLANT CHANGES MUST BE APPROVED BY THE OWNER AND DESIGN CONSULTANT PRIOR TO ANY ACTION TAKEN. TREES SHALL BE PROTECTED AND HANDLED CAREFULLY AT ALL TIMES DURING TRANSPORT & HANDLING TO PREVENT DRYING OF TREE OR ROOT BALL BY WINDS AND TO PREVENT ANY DAMAGE OR BREAKAGE OF THE ROOT BALL. BARK SHALL BE PROTECTED FROM BRUISING OR ABRASION.
- WATER TREES IMMEDIATELY AFTER PLANTING AND CONTINUE TO WATER UNTIL FINAL ACCEPTANCE BY THE OWNER.
- PLANT LOCATIONS AND BEDS SHALL BE LOCATED BY CONTRACTOR AND APPROVED BY OWNER AND DESIGN CONSULTANT BY PRIOR TO PLANT INSTALLATION.
- ALL SHRUB AND BED AREAS TO BE MULCHED WITH TWO INCHES (2") DEPTH MINIMUM SHREDDED HARDWOOD MULCH - NATURAL BROWN COLOR. SUBMIT SAMPLE TO OWNER FOR APPROVAL.
- THE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS AND GROUND COVERS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. REPLACE MATERIAL WITHIN SEVEN (7) DAYS OF NOTIFICATION OF THE OWNER.
- PERFORM CLEANING DURING INSTALLATION OF LANDSCAPE WORK AND UPON COMPLETION. REMOVE FROM SITE ALL EXCESS LANDSCAPE RELATED MATERIAL, SOIL DEBRIS AND EQUIPMENT. REPAIR DAMAGE RESULTING FROM LANDSCAPING OPERATIONS. SWEEP AND HOSE DOWN PAVED SURFACES AFFECTED BY LANDSCAPING OPERATIONS. COORDINATE WITH OWNER AND OTHER CONTRACTORS FOR FINAL CLEANUP PRIOR TO CLEANING.



CITY OF BEXLEY  
RULES AND REGULATIONS  
City Right of Way and Tree Protection During Construction

The City Right of Way (ROW) and public trees will be protected against injury or damage to branches, trunks, or roots from construction and excavation. Private trees identified to be protected during construction shall be covered by these same rules and regulations. **For all questions, please contact the City Arborist, Grant Archer, at 614-599-4225 or garcher@bexley.org.**

- Use of heavy equipment will not be allowed to compact the soil over the root zone of protected trees or within the ROW. Restricted equipment access routes will be established before work is begun. Temporary paving materials such as plywood, lumber or rubber matting spread over the root zone may be required to prevent compaction.
- Installation of utilities including downspouts under the dripline of protected trees must be directionally bored or drilled below the root zone. Top of the bore or tunnel should be no higher than three (3) feet deep. Open trenches within the root zone must be avoided.
- Where grade change is required within the root zone of protected trees, a sufficient residual root zone to provide for the good health of the trees should remain undisturbed and protected by either a dry well or retaining wall if the grade is to be raised or lowered.
- Construction materials, excavation debris, chemicals, fuel, equipment, portable restrooms, or vehicles are not to be stockpiled, stored, dumped or parked within the dripline of protected trees or within the ROW.
- All protected trees designated for preservation will be protected with a fence as specified in the Tree Protection Fencing Detail. The location of the fence shall be at the dripline or a minimum 20-foot x 20-foot area around the center of the tree. However, the actual location will be determined by site limitations. See Figure 1 and Figure 2 for the details of the minimum requirements of the tree protection fence.
- Fencing will be installed and inspected before commencing site preparation work. The fence must be maintained during the full construction period and will be inspected by the City on a regular basis.
- Branches of trees in the ROW or are protected that interfere with construction access may be removed when acceptable to the City Arborist and shall be pruned in accordance with these standards.
- Any protected trees or trees in the ROW that are damaged or destroyed due to contractor negligence will be treated or removed and replaced at the contractor's expense.

City of Bexley /2242 E. Main Street / Bexley, OH 43209 / 614-559-4200

November 2020

- Construction Access should be the existing driveway. If the construction access is not on the driveway, a site plan illustrating the alternative construction access must be prepared for review and approval by the City Arborist.
- Protect all existing brick and concrete curbs and gutters. If disrupted by construction, repair and/or replace per the City of Bexley's standard construction drawings (see BEX-ST-04, BEX-ST-04.1, BEX-ST-04.2 and BEX-ST-21). If temporary construction access is needed over existing brick curbs and gutters, remove and save all impacted brick, securely store on site, create temporary access, then replace all brick per the standard construction drawings. Permanent removal of brick curbs and gutters is subject to the approval of City. Consult with City Arborist for modifications to discuss any additional access points.
- Fines for noncompliance will be enforced per Part 10, Chapter 1026 – Trees and Shrubs of the Codified Ordinances of the City of Bexley.  
1026.99 PENALTY; EQUITABLE REMEDIES  
Whoever violates or fails to comply with any provision of this chapter shall be deemed guilty of a misdemeanor of the fourth degree and fined not exceeding two hundred fifty dollars (\$250.00) or imprisoned for not more than thirty days, or both for each offence in addition to any required restitution for damages incurred by the City or any special assessments levied as provided for herein. A separate offence shall be deemed committed each day during or on which a violation or noncompliance occurs or continues. The application of a penalty under this section shall not preclude the City from seeking an injunction to enjoin prohibited acts or specific performance to compel actions required under this chapter or making application for an obtaining any other appropriate equitable remedy.  
(Ord. 7-13. Passed 3-12-13; Ord. 18-18. Passed 10-23-18.)

Contractor/Owner Signature and Date

**For all questions, please contact the  
City Arborist, Grant Archer, at 614-  
599-4225 or garcher@bexley.org.**

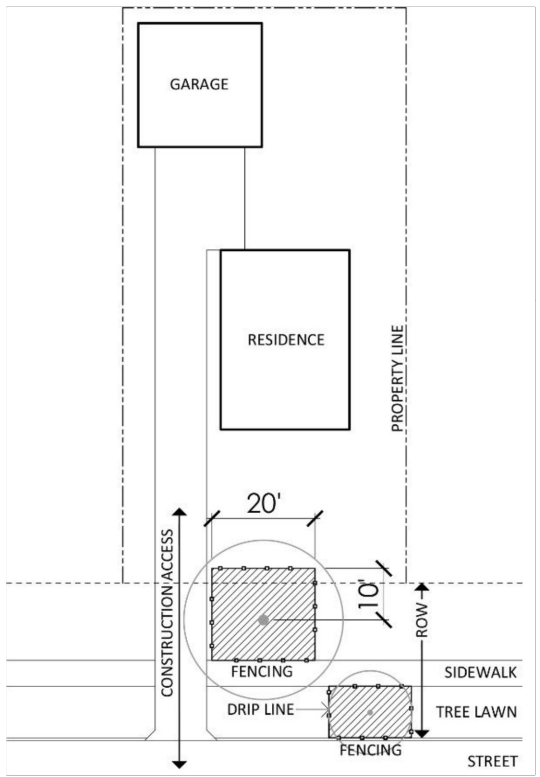
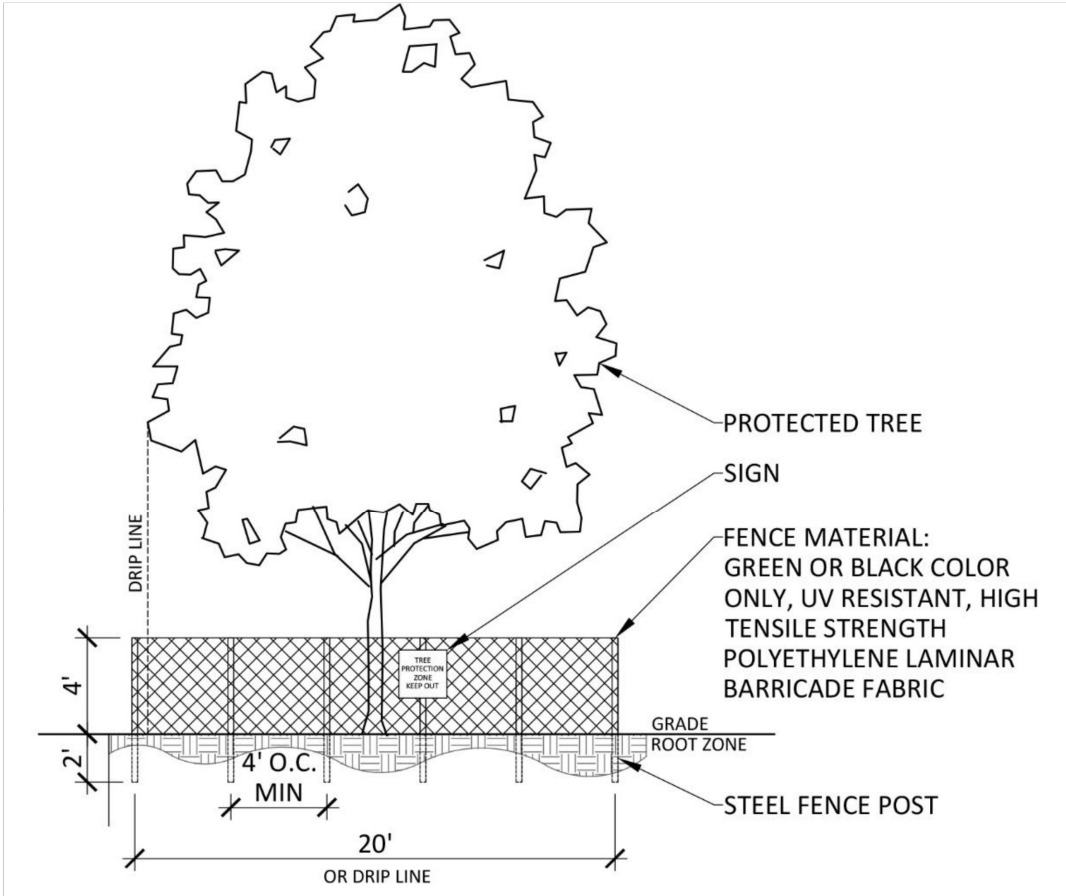


Figure 1 - ROW and Tree Protection Site Plan Diagram

City of Bexley /2242 E. Main Street / Bexley, OH 43209 / 614-559-4200

November 2020



NOTES

- ALL PLANTS DESIGNATED TO BE SAVED SHALL BE PROTECTED BY FENCING, AS ILLUSTRATED.
- INSTALL TREE PROTECTION FENCE AT TREE DRIP LINE OR AT 20' DIAMETER CIRCLE AROUND CENTER OF TREE PRIOR TO COMMENCEMENT OF CONSTRUCTION. FINAL LOCATION TO BE APPROVED BY CITY ARBORIST.
- CITY ARBORIST MAY REQUIRE SIGNAGE. SPACE TREE PROTECTION ZONE SIGNS AT A MINIMUM OF ONE EVERY 100 FEET. THE SIZE OF EACH SIGN MUST BE A MINIMUM OF 8.5"X11 AND VISIBLE FROM BOTH SIDES OF THE FENCE. THE SIGN MUST CONTAIN THE FOLLOWING LANGUAGE: "TREE PROTECTION ZONE. KEEP OUT."
- THERE SHALL BE NO GRADING, TRENCHING, FILLING OR STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE TREE PROTECTION FENCING.
- TREE PROTECTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

Figure 2 – Tree Protection Fencing Detail

City of Bexley /2242 E. Main Street / Bexley, OH 43209 / 614-559-4200

November 2020

spruce

271 S. CASSINGHAM RD.  
COLUMBUS, OH 43209  
T (626) 626-3330

SETS & REVISIONS: DATE:  
BID SET 6-6-25

OUTDOOR READING  
ROOM

2411 E MAIN ST  
BEXLEY, OH 43209

LANDSCAPE  
NOTES

ALL DRAWING ARE THE ORIGINAL WORK OF SPRUCE LLC AND MAY NOT BE DISCLOSED, USED OR DUPLICATED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF SPRUCE LLC. SPRUCE LLC RESERVES THE RIGHT TO SUBSTITUTE PLANTS DUE TO AVAILABILITY AND QUALITY.

L2.0

spruce

271 S. CASSINGHAM RD.  
COLUMBUS, OH 43209  
T (626) 626-3330

SETS & REVISIONS:	DATE:
BID SET	6-6-25

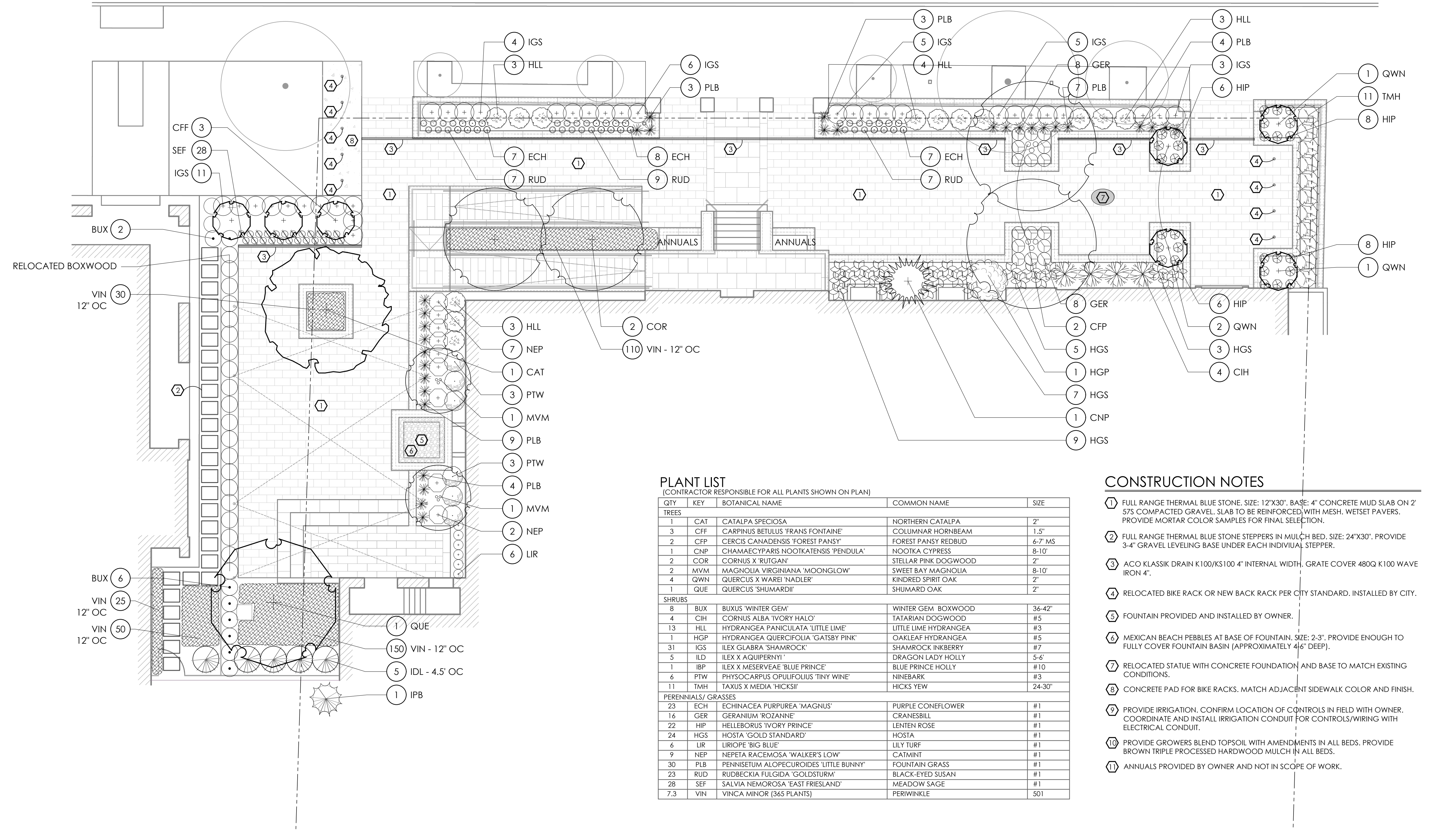
OUTDOOR READING ROOM

2411 E MAIN ST  
BEXLEY, OH 43209

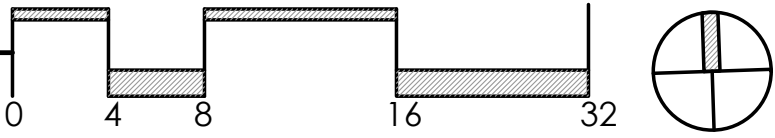
ALTERNATE #2  
LANDSCAPE PLAN

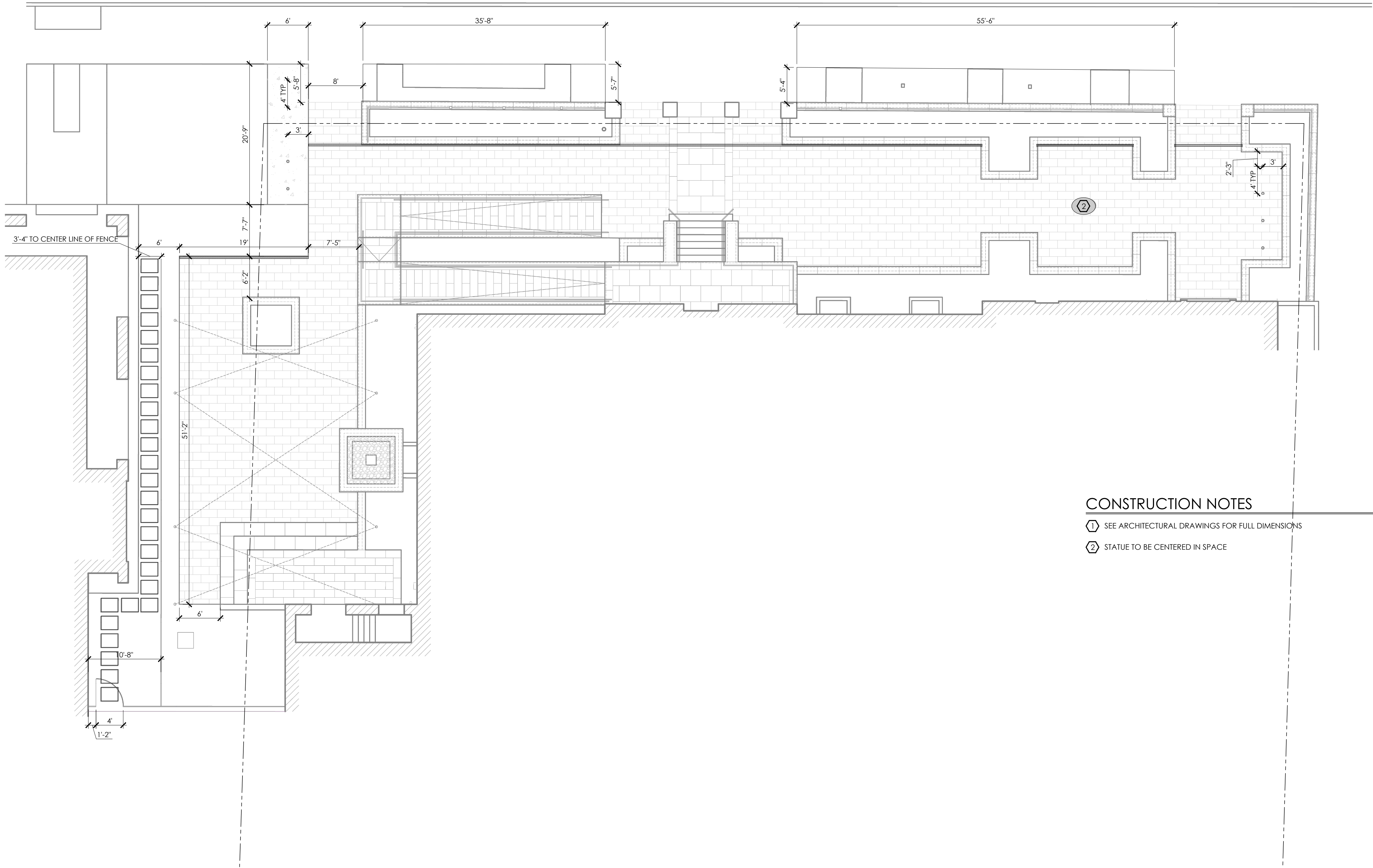
ALL DRAWING ARE THE ORIGINAL WORK OF SPRUCE LLC, AND MAY NOT BE DISCLOSED, USED OR DUPLICATED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF SPRUCE LLC. SPRUCE LLC RESERVES THE RIGHT TO SUBSTITUTE PLANTS DUE TO AVAILABILITY AND QUALITY.

L3.0



1 LANDSCAPE PLAN (ALT. #2)  
SCALE: 1/8" = 1' - 0"

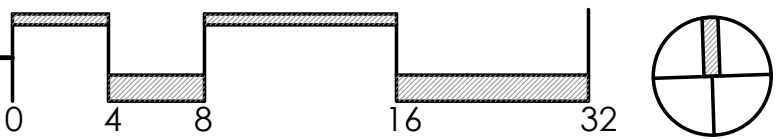




CONSTRUCTION NOTES

- ① SEE ARCHITECTURAL DRAWINGS FOR FULL DIMENSIONS
- ② STATUE TO BE CENTERED IN SPACE

① DIMENSION PLAN (ALT. #2)  
SCALE: 1/8" = 1' - 0"



spruce

271 S. CASSINGHAM RD.  
COLUMBUS, OH 43209  
T (626) 626-3330

SETS & REVISIONS:	DATE:
BID SET	6-6-25

OUTDOOR READING  
ROOM

2411 E MAIN ST  
BEXLEY, OH 43209

ALTERNATE #2  
DIMENSION PLAN

ALL DRAWING ARE THE ORIGINAL WORK OF SPRUCE LLC, AND MAY NOT BE DISCLOSED, USED OR DUPLICATED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF SPRUCE LLC. SPRUCE LLC RESERVES THE RIGHT TO SUBSTITUTE PLANTS DUE TO AVAILABILITY AND QUALITY.

L4.0