ADDENDUM NO. 1

PROJECT TITLE:	Parker Park Community Center Pool Addition City of Jonesboro Jonesboro, Arkansas
OWNER:	City of Jonesboro 300 South Church Street Jonesboro, AR 72401
OWNER'S REPRESENTATIVE:	Honorable Mayor Harold Copenhaver (870) 932-1052 Office
ARCHITECT:	Brackett-Krennerich and Associates P.A. 100 East Huntington Avenue, Suite D Post Office Box 1655 Jonesboro, Arkansas 72403-1655 (870) 932-0571 *office*
COMMISSION NUMBER:	2301
DATE OF ISSUE:	August 18, 2023
BID DATE/LOCATION:	**August 23, 2023** at **2:00 p.m.** C.D.S.T 1st Floor Conference Room Municipal Building Center 300 South Church Street Jonesboro, AR 72401

Contractor shall take note of the following listed revisions and/or additions to the drawings and specifications for the above referenced project and adjust the contract sum accordingly. These revisions are hereby made a part of said documents and subsequent construction as if therein included.

GENERAL

1. Specifications: Section 00 4100 – Bid Form

    A. Omit Section 00 4100 – Bid Form in its entirety. Replace with attached Section 00 4100 – Bid Form. Refer to pages 7-9 of this addendum.

CIVIL

2. Drawings: Sheet C002- Overall Site Plan

    A. Omit Sheet C002 in its entirety. Replace with attached Sheet C002 dated 08.18.23. Refer to page 10 of this addendum.
        a. Detail tags have been added to drawing.
        b. Areas of concrete surface have been clarified.

3. Drawings: Sheet C003- Enlarged Site Plan

    A. Omit Sheet C003 in its entirety. Replace with attached Sheet C003 dated 08.18.23. Refer to page 11 of this addendum.
        a. Modifications have been made to fence configuration.
        b. Fence has been added and clarified near existing mechanical package unit on north side of the site.

4. Drawings: Sheet C004- Site Utility Plan

    A. Omit Sheet C004 in its entirety. Replace with attached Sheet C004 dated 08.18.23. Refer to page 12 of this addendum.
        a. Site utilities (sewer and water) have been clarified.

5. Drawings: Sheet C005- Grading and Erosion Plan

    A. Omit Sheet C005 in its entirety. Replace with attached Sheet C005 dated 08.18.23. Refer to page 13 of this addendum.

6. Drawings: Sheet C006- Site Landscape Plan

    A. Omit Sheet C006 in its entirety. Replace with attached Sheet C006 dated 08.18.23. Refer to page 14 of this addendum.
        a. The extent and location of sod has been clarified.
        b. All disturbed areas of the site not receiving sod are to receive hydromulch grass seed. This application requires a maintenance plan as specified in section 32 2913; 3.03 and 32 9223; 3.05.

7. Drawings: Sheet C007- Site Details

    A. Clarification: Detail 2; Asphalt section to be 3" surface and 8" of class 7 base in lieu of 2" and 7".

DEMOLITION

8. Drawings: Sheet D100- Demolition Floor Plan

    A. Omit Sheet D100 in its entirety. Replace with attached Sheet D100 dated 08.18.23. Refer to page 15 of this addendum.
        a. Additional area of floor slab removal has been added to scope.
        b. Notes have been modified as needed.

ARCHITECTURAL

9. Specifications: Section 01 2200 – Unit Prices

    A. Add Section 01 2200 – Unit Prices to project manual. Refer to attached pages 16-17 of this addendum

10. Specifications: Section 01 2300 – Deductive Alternates

    A. Add Section 01 2300 – Deductive Alternates to project manual. Refer to attached page 18 of this addendum

11. Specifications: Section 04 2000 – Masonry

    A. General Note: Brick masonry at perimeter of pool is to be included with cost under this section. Refer to details on Sheet AQ105 and referred to in specification Section 13 1100 – Swimming Pools; Item 2.10 – 12 ½" x 3 5/8" specialty bricks by Marion Ceramics.

12. Specifications: Section 07 4646 – Fiber Cement Siding; 2.04 Accessories. Add the following:

    A. All fiber cement joints are to have "V1 vertical H molding – FCP-H VERT MOLD" trim at vertical joints and "H1 horizontal – FCP-HOZ 50-375" trim at horizontal joints as manufactured by Fry Reglet. This occurs where fiber cement panels join other panels in the same plane. This trim is to be paint grade for field painting.

13. Drawings: Sheet A501- Wall Sections

    A. Clarification: Detail 1; item indicated as cont. strip vent to be:
        a. S-400 strip vent as manufactured by Cor-A-Vent, Inc. www.cor-a-vent.com. (800) 837.8368.

14. Drawings: Sheet A503 – Wall Sections

    A. Clarification: Stainless steel countertops indicated to be 14 gauge; one-piece welded construction. ASTM 666 Type # 304.

AQUATICS

15. Specifications: Section 13 1100 – Swimming Pools

    A. Omit section 13 1100 in it's entirety and replace with the attached specification section. Refer to pages 19-37 of the addendum.

16. Drawings: Sheet AQ100- Overall Pool Plan

    A. Omit Sheet AQ100 in its entirety. Replace with attached Sheet AQ100 dated 08.18.23. Refer to page 38 of this addendum.
        a. Refer to reconfigurations of backwash pit.

17. Drawings: Sheet AQ103- Underground Piping

    A. Omit Sheet AQ103 in its entirety. Replace with attached Sheet AQ103 dated 08.18.23. Refer to page 39 of this addendum.
        a. Refer to reconfigurations of backwash pit.

18. Drawings: Sheet AQ108- Equipment Details 2

    A. Omit Sheet AQ108 in its entirety. Replace with attached Sheet AQ108 dated 08.18.23. Refer to page 40 of this addendum.
        a. Refer to modifications to details 4 and 5.

MECHANICAL

19. Drawings: Sheet M101- Floor Plans - HVAC

    A. Omit Sheet M101 in its entirety. Replace with attached Sheet M101 dated 08.04.23. Refer to page 41 of this addendum.

PLUMBING

20. Drawings: Sheet P101- Floor Plans - Plumbing

    A. Omit Sheet P101 in its entirety. Replace with attached Sheet P101 dated 08.04.23. Refer to page 42 of this addendum.

21. Drawings: Sheet P401- Plumbing Schedules

    A. Omit Sheet P401 in its entirety. Replace with attached Sheet P401 dated 08.04.23. Refer to page 43 of this addendum.

ELECTRICAL

22. Drawings: Sheet E000 – Electrical Site

    A. Omit Sheet E000 in its entirety. Replace with attached Sheet E000 dated 08.04.23. Refer to page 44 of this addendum.

23. Drawings: Sheet E101 – Floor Plan - Lighting

    A. Omit Sheet E101 in its entirety. Replace with attached Sheet E101 dated 08.04.23. Refer to page 45 of this addendum.

24. Drawings: Sheet E102 – Floor Plan - Power

    A. Omit Sheet E102 in its entirety. Replace with attached Sheet E102 dated 08.04.23. Refer to page 46 of this addendum.

25. Drawings: Sheet E103 – Floor Plan - Systems

    A. Omit Sheet E103 in its entirety. Replace with attached Sheet E103 dated 08.04.23. Refer to page 47 of this addendum.

26. Drawings: Sheet E201 – Electrical Site

    A. Omit Sheet E201 in its entirety. Replace with attached Sheet E201 dated 08.04.23. Refer to page 48 of this addendum.

27. Drawings: Sheet E301 – Electrical Site

    A. Omit Sheet E301 in its entirety. Replace with attached Sheet E301 dated 08.04.23. Refer to page 49 of this addendum.

SECTION 00 4100
BID FORM

THE PROJECT AND THE PARTIES

1.01 TO:

A. Owner: City of Jonesboro

1.02 FOR:

A. Parker Park Community Center Pool Addition, Jonesboro, Arkansas

1.03 DATE: _____ (Bidder to enter date)

1.04 SUBMITTED BY: (Bidder to enter name and address)

A. Bidder's Full Name _____
   1. Address _____
   2. City, State, Zip_____

1.05 OFFER

A. Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by Brackett-Krennerich and Associates, P. A. Architects for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of:

B. _____
(dollar amount to be shown numerically)

C. We have included the required security Bid Bond as required by the Instructions to Bidders.

D. All applicable federal taxes are included and State of Arkansas taxes are included in the Bid Sum.

E. All cash allowances described in Section 01 2100 are included in the bid sum.

F. We understand that the owner reserves the right to reject any and all bids and waive any informalities in the bidding.

1.06 UNIT PRICES

A. Soils Undercut:
   1. If the required quantity of soils undercut is decreased or increased by Change Order, the unit price set forth below shall apply to such quantities.
   2. Add or deduct soils undercut:
      Price per cubic yard _____($_____)
      (dollar amount to be shown numerically)
   3. Undercut quantity defined on the drawings is to be in the base bid price.

1.07 ALLOWANCES

A. Allowances described in Section 01 2100 are included in the bid price.

1.08 DEDUCTIVE ALTERNATIVES

A. Deductive Alternate No. 1 – Deduct the sum of:

_____
(dollar amount to be shown numerically)

1.09 ACCEPTANCE

A. This offer shall be open to acceptance for thirty days from the bid closing date.

B. If this bid is accepted by the Owner within the time period stated above, we will:
   1. Execute the Agreement within Ten (10) days of receipt of Notice of Award.
   2. Furnish the required bonds within Ten (10) days of receipt of Notice of Award.

3. Commence work within Ten days after written Notice to Proceed of this bid.

C. If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to the Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

D. In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

1.10 CONTRACT TIME/LIQUIDATED DAMAGES

A. If this Bid is accepted, we will:

B. Complete the work (including all punchlist items) by: **May 20, 2024**.

C. Liquidated Damages: **$300.00** for liquidated damages will be assessed to the contractor for each calendar day that the contractor is in default after time stipulated in the contract documents.

1.11 ADDENDA

A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum or price.
   1. Addendum # _____ Dated _____.
   2. Addendum # _____ Dated _____.
   3. Addendum # _____ Dated _____.
   4. Addendum # _____ Dated _____.

1.12 LISTING OF MECHANICAL, PLUMBING, ELECTRICAL AND ROOFING WORK

A. All mechanical, plumbing, electrical and roofing work shall be listed regardless of qualifications, licensures or work amount.

B. Bidders should consult the project manual on how to fill out this form. Failure to fill out this form correctly shall cause the bid to be declared non-responsive and the bid will not receive consideration.
   1. Indicate the Name(s), License Number(s) of each entity performing the listed work and the amount:

C. MECHANICAL (Indicative of HVACR): Name-_____
   1. License No._____
   2. Is the amount of work $50,000 or over: Yes___ No ___

D. PLUMBING: Name-_____
   1. License No._____
   2. Is the amount of work $50,000 or over: Yes___ No ___

E. ELECTRICAL: Name-_____
   1. License No._____
   2. Is the amount of work $50,000 or over: Yes___ No ___

F. ROOFING & SHEETMETAL : Name-_____
   1. License No._____
   2. Is the amount of work $50,000 or over: Yes___ No ___

1.13 BID FORM SIGNATURE(S)

A. Company Name: _____

B. Signature: _____

C. Printed Name: _____

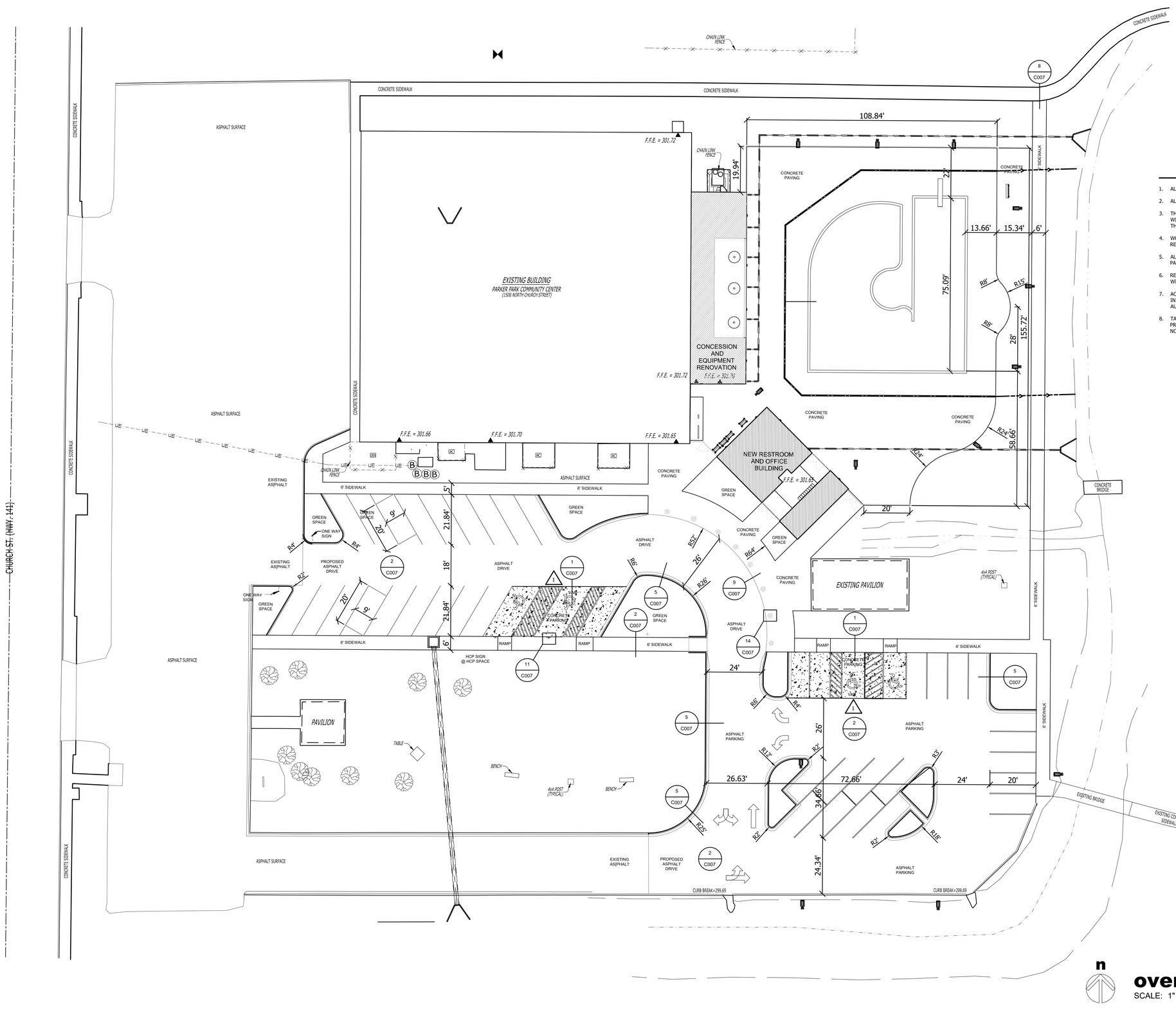
D. Title: _____

E. Business Address: _____

F. Contractor's License No._____

G. Seal if bid is by a corporation.

END OF BID FORM



BEARING BASIS
(STATE PLANE COORDINATES ARKANSAS NORTH ZONE)

20' 10' 0' 20'

GRAPHIC SCALE
IN FEET

SITE NOTES

1. ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.
2. ALL CURB RETURN RADII SHALL BE 5' UNLESS OTHERWISE NOTED.
3. THROUGHOUT ALL EXCAVATION ACTIVITIES, POSITIVE DRAINAGE SHALL BE MAINTAINED WITHIN MINIMUM SLOPES OF 0.50% OR GREATER AND SURFACE DRAINAGE GENERALLY IN THE DIRECTION PROVIDED BY EXISTING TOPOGRAPHY.
4. WORK SHALL PROGRESS IN SUCH A MANNER AS TO ALLOW THE EXISTING VEGETATION TO REMAIN AS LONG AS POSSIBLE, CONSISTENT WITH THE SCOPE OF WORK.
5. ALL ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ALL DIRECTIONS.
6. REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIAL AS SHOWN IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS.
7. ACCESS ALONG INTERIOR RING ROAD SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION IN CITY, COUNTY OR STATE RIGHT OF WAY SHALL BE COORDINATED WITH THE RESPECTIVE AUTHORITY.
8. TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL GIVE AFFECTED PROPERTY OWNERS SUFFICIENT NOTICE PRIOR TO CONSTRUCTION OPERATIONS.

overall site plan
SCALE: 1" = 20'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

BRACKETT KRENNERICH architects
100 East Huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975
www.bkarchits.com

Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by

CERTIFICATE OF AUTHORIZATION — ASSOCIATED ENGINEERING AND TESTING, LLC — No. 299 — ARKANSAS ENGINEER

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — No. 9815 — JOHN M. EASLEY

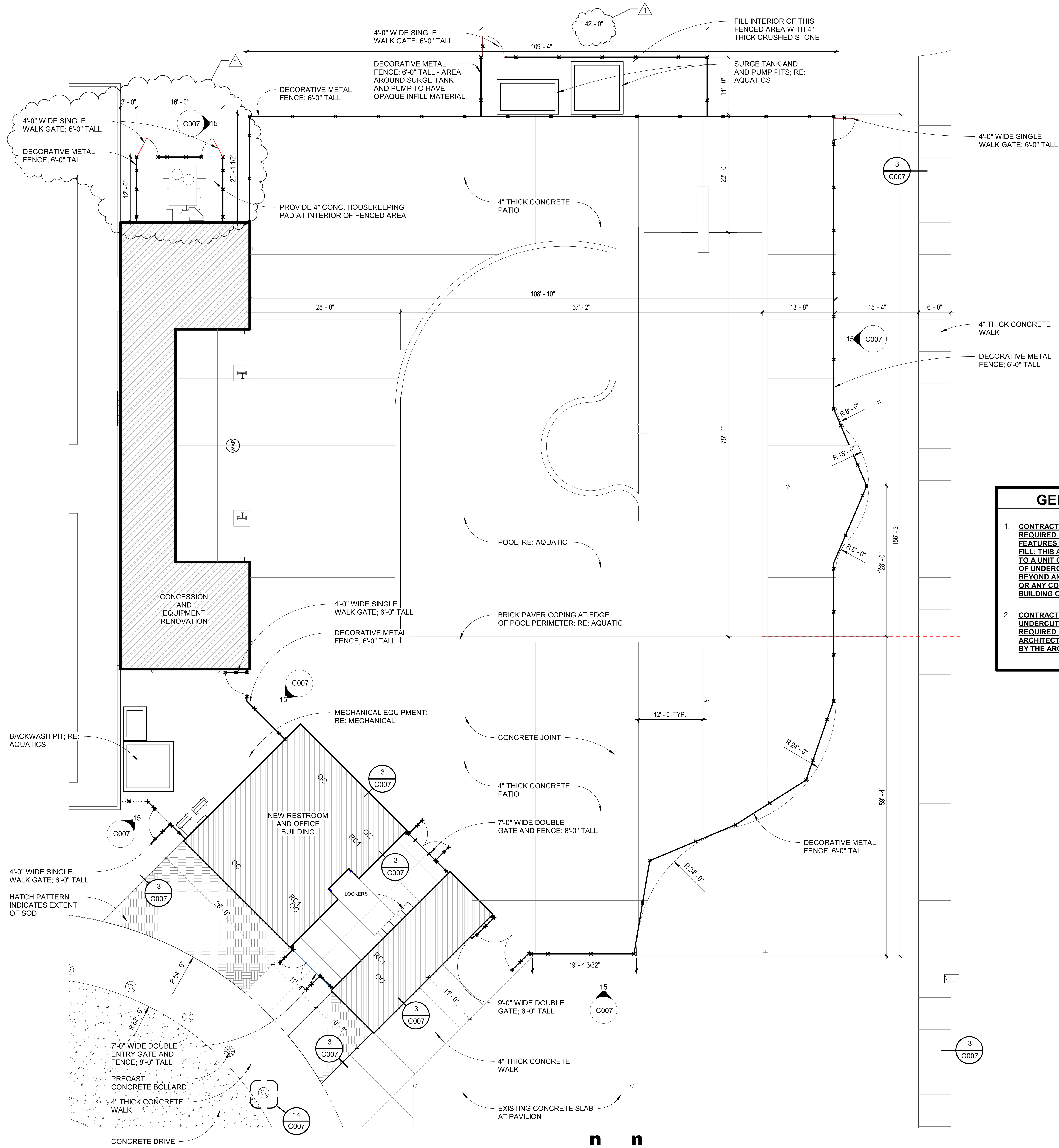
Know what's below. Call before you dig.

Commission Number 2301

C002

Date: August 4, 2023

SITE PLAN



GENERAL SITE PLAN NOTES

1. CONTRACTOR SHALL ASSUME THAT THE UNDERCUTTING AND FILL REQUIRED UNDER THE FOOTPRINT OF THE PAVING AND SITE FEATURES IS TO BE 1,800 CUBIC YARDS TOTAL OF UNDERCUT AND FILL; THIS AMOUNT IS TO BE INCLUDED IN THE BASE BID IN ADDITION TO A UNIT COST TO BE PROVIDED FOR THE ADDITION OR DEDUCTION OF UNDERCUT QUANTITIES. THIS 1,800 CUBIC YARDS IS ABOVE AND BEYOND ANY COST OF GRADING THE SITE BASED ON GRADING PLAN OR ANY COST OF EXCAVATION FIGURED FOR CONSTRUCTION OF BUILDING OR SITE STRUCTURES.

2. CONTRACTOR SHALL PROVIDE A UNIT PRICE ON THE BID FORM FOR UNDERCUT AND FILL FOR ADDITIONAL OR DEDUCTIVE WORK AS REQUIRED BY SOILS ENGINEER AND APPROVED BY THE ARCHITECT/OWNER. ANY CHANGES IN QUANTITY MUST BE APPROVED BY THE ARCHITECT/OWNER PRIOR TO COMMENCEMENT.

n n

ACTUAL NORTH BUILDING NORTH

enlarged site plan

SCALE: 1" = 10'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East Huntington Ave. Suite D P.O. Box 1655 870-932-0571 Fax 870-932-0975 www.bkarchts.com

Tag	Rev. Description	Rev. Date	Issued by
1	Addendum #1	08.18.23	KLC

Revision Schedule

BRACKETT-KRENNERICH & ASSOCIATES, P.A. REGISTERED ARCHITECTS C13 ARKANSAS

4 AUGUST 2023

Commission Number 2301

C003

Date: August 4, 2023

ENLARGED SITEPLAN

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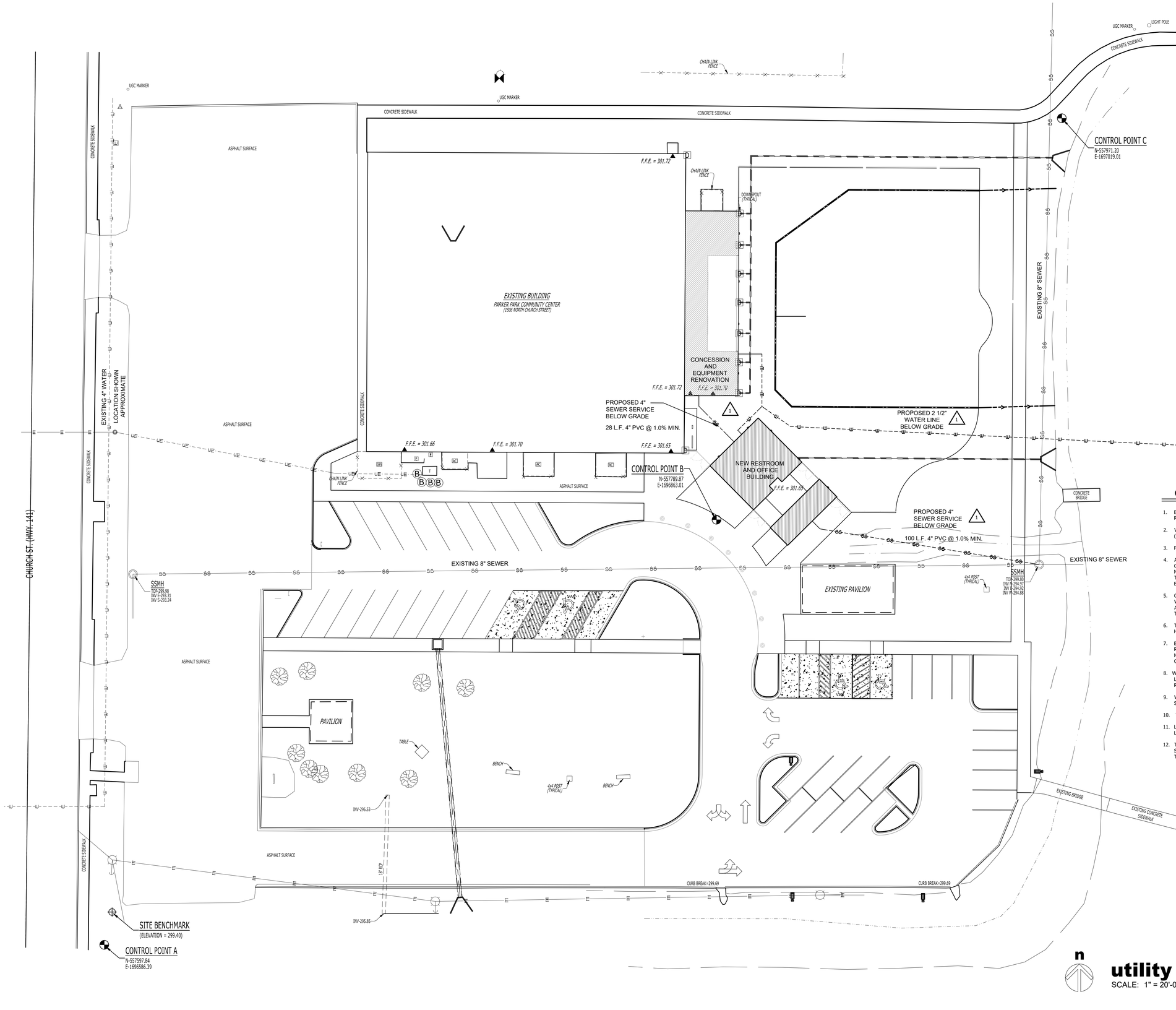

GENERAL UTILITY NOTES

1. ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND REFER TO MSL DATUM.
2. VERTICAL DATUM REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD 88).
3. PIPE DISTANCE SHOWN ARE TO CENTER OF STRUCTURES.
4. ALL WATER LINES (SERVICE) SHALL BE PVC SCH. 40 WITH 42" MIN. COVER. VALVES, CONNECTIONS AND RELATED APPURTENANCES SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, JONESBORO CITY WATER & LIGHT SPECIFICATIONS AS WELL AS THE CITY OF JONESBORO AND INSTALLED WITH REQUIRED BEDDING AND THRUST BLOCKING.
5. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE OWNER'S REPRESENTATIVE.
6. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
7. EXCAVATE AND VERIFY ALL UTILITY CROSSINGS AND INFORM THE OWNER'S REPRESENTATIVE OF ANY CONFLICT OR REQUIRED DEVIATION FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
8. WHERE SEWER LINES PASS WITHIN 2 FT. VERTICALLY OF WATER LINES, THE SEWER LINE SHALL BE ENCASED IN WATERTIGHT PIPE (SEE PART XIV.A OF ADH RULES AND REGULATIONS PERTAINING TO PWS).
9. WATER LINES AND STORM SEWER CROSSINGS SHALL MAINTAIN 36" MIN. SEPARATION IN ALL DIRECTIONS.
10. WATER AND SEWER LINES SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION.
11. LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD UTILITIES AND STRUCTURES FROM DAMAGE DURING CONSTRUCTION. THE COSTS OF SUCH PROTECTION IS INCLUDED IN THE BASE BID.

Certificate of Authorization — Associated Engineering and Testing, LLC — No. 299 — Arkansas Engineer

State of Arkansas — Registered Professional Engineer — No. 9815 — John M. Easley

Know what's below. Call before you dig.

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utility plan

SCALE: 1" = 20'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East Huntington Ave. Suite D P.O. Box 1655 870-932-0571 Fax 870-932-0975 www.bkarchts.com

Revision Schedule			
Tag	Rev. Description	Rev. Date	issued by

Commission Number
2301

C004

Date: August 4, 2023

UTILITY PLAN

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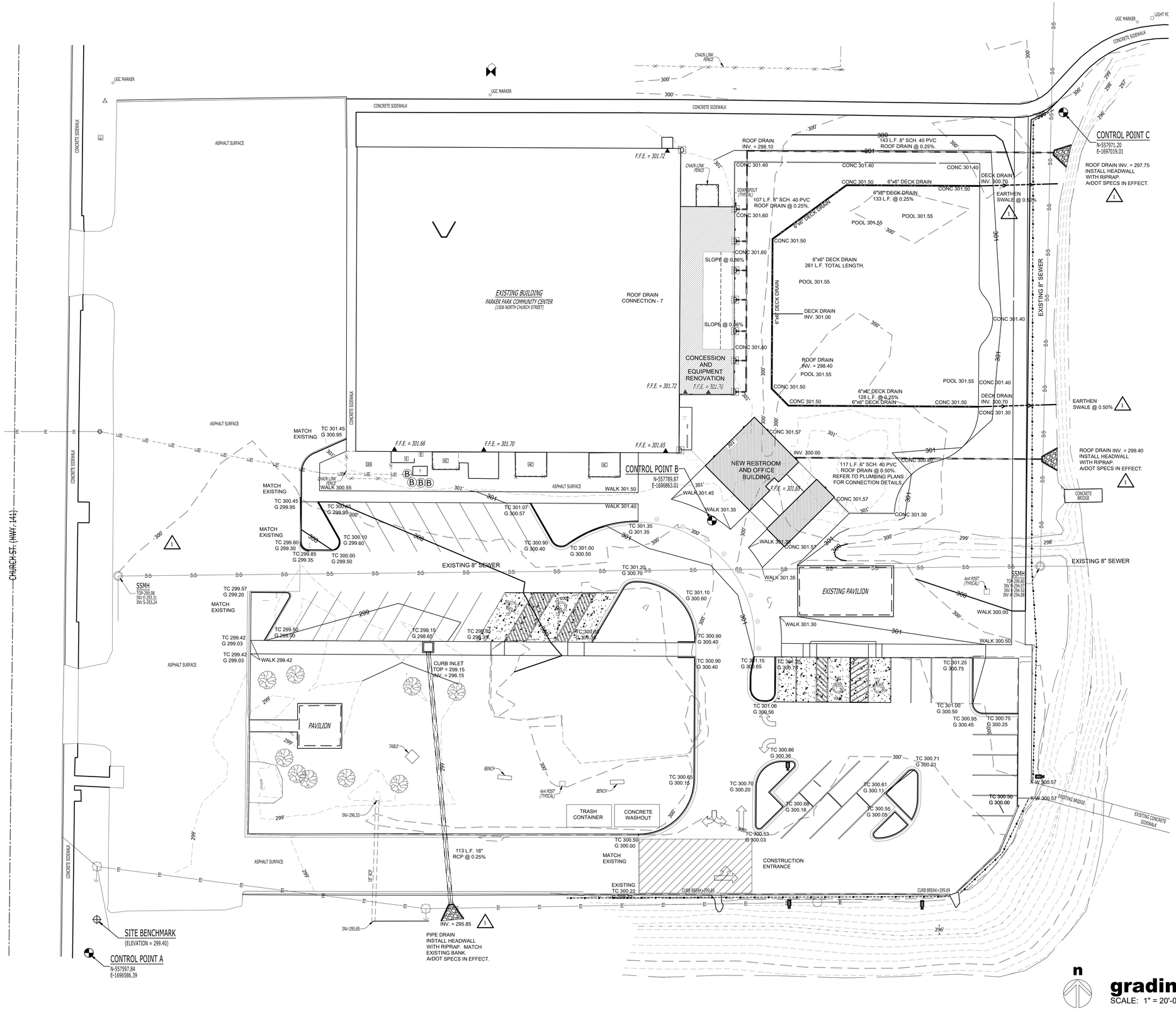

BEARING BASIS
(STATE PLANE COORDINATES ARKANSAS NORTH ZONE)

20' 10' 0' 20'

GRAPHIC SCALE
IN FEET

LEGEND

- SILT FENCE
- CONSTRUCTION ENTRANCE
- INLET PROTECTION
- DUMPED RIPRAP

GRADING NOTES

1. ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.
2. ALL CURB RETURN RADII SHALL BE 5' UNLESS OTHERWISE NOTED.
3. PROJECT SITE IS CURRENTLY COMMERCIAL.
4. THROUGHOUT ALL EXCAVATION ACTIVITIES, POSITIVE DRAINAGE SHALL BE MAINTAINED WITHIN MINIMUM SLOPES OF 0.50% OR GREATER AND SURFACE DRAINAGE GENERALLY IN THE DIRECTION PROVIDED BY EXISTING TOPOGRAPHY.
5. WORK SHALL PROGRESS IN SUCH A MANNER AS TO ALLOW THE EXISTING VEGETATION TO REMAIN AS LONG AS POSSIBLE, CONSISTENT WITH THE SCOPE OF WORK.
6. ALL ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ALL DIRECTIONS.
7. REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIAL AS SHOWN IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS.
8. ACCESS ALONG ROADWAY SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION IN CITY, COUNTY OR STATE RIGHT OF WAY SHALL BE COORDINATED WITH THE RESPECTIVE AUTHORITY.
9. TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL GIVE AFFECTED PROPERTY OWNERS SUFFICIENT NOTICE PRIOR TO CONSTRUCTION OPERATIONS.

EROSION CONTROL MEASURES

1. THE PURPOSE OF THIS PLAN IS TO ESTABLISH MINIMUM EROSION CONTROL MEASURES. THIS PLAN IS NOT INTENDED TO COVER ALL MEASURES, BUT TO SUPPLEMENT, EXPAND OR IMPLEMENT THE REQUIREMENTS OF THE STATE OF ARKANSAS NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT).
2. SILT FENCING SHALL BE PLACED ALONG THE LIMITS OF CONSTRUCTION AND AROUND EACH DRAINAGE STRUCTURE PRIOR TO CONSTRUCTION.
3. GRAVEL CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AT PROPOSED DRIVEWAY LOCATIONS TO PREVENT TRANSPORT OF SEDIMENT OFF SITE. WHEEL WASH FACILITIES MAY BE REQUIRED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL EROSION CONTROL MEASURES AND FACILITIES IN GOOD WORKING CONDITION THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. ANY FAILURES IN THE MEASURES MUST BE IMMEDIATELY REPAIRED. EROSION CONTROL MEASURES AND FACILITIES SHALL BE FREQUENTLY INSPECTED FOR COMPLIANCE. FAILURE TO INSTALL OR MAINTAIN THESE FACILITIES MAY RESULT IN DENIAL OF BUILDING INSPECTIONS UNTIL ALL PROBLEMS ARE CORRECTED. CONTRACTORS SHALL BE HELD ACCOUNTABLE FOR CONSTRUCTION VEHICLES TRACKING DIRT AND MUD ONTO PUBLIC STREETS. CONTRACTORS SHALL PUT INTO PLACE APPROPRIATE FACILITIES TO CLEAN VEHICLES BEFORE THEY ENTER STREETS. THE CONTRACTOR SHALL FREQUENTLY SWEEP THE ACCESS STREETS.
5. THE OWNER SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT WITH THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ).
6. DUST SHALL BE KEPT TO A MINIMUM. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED LIQUIDS FOR DUST SUPPRESSION ARE PROHIBITED.
7. ALL WORK ON THIS SITE PERTAINING TO EXCAVATION AND DRAINAGE SHALL BE IN ACCORDANCE WITH THIS PLAN AND THE APPLICABLE PROVISIONS OF THE CITY OF JONESBORO STORM WATER MANAGEMENT REGULATIONS.
8. ADDITIONAL CONTROLS MAY BE REQUIRED BY THE CITY OF JONESBORO AND ADEQ DURING CONSTRUCTION. GUIDELINES ESTABLISHED BY THE SOIL CONSERVATION SERVICE MAY BE REQUIRED FOR SEEDING OPERATIONS IF DETERMINED NECESSARY.

CERTIFICATE OF AUTHORIZATION
ASSOCIATED ENGINEERING AND TESTING, LLC
No. 299
ARKANSAS ENGINEER

STATE OF ARKANSAS
JOHN M. EASLEY
REGISTERED PROFESSIONAL ENGINEER
No. 9815

Know what's below.
Call before you dig.

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grading/erosion plan
SCALE: 1" = 20'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

BRACKETT KRENNERICH architects
100 East Huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975
www.bkarchts.com

Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by
1	ADDENDUM 1	08/18/23	KC

Commission Number
2301

C005

Date: August 4, 2023

GRADING/EROSION PLAN

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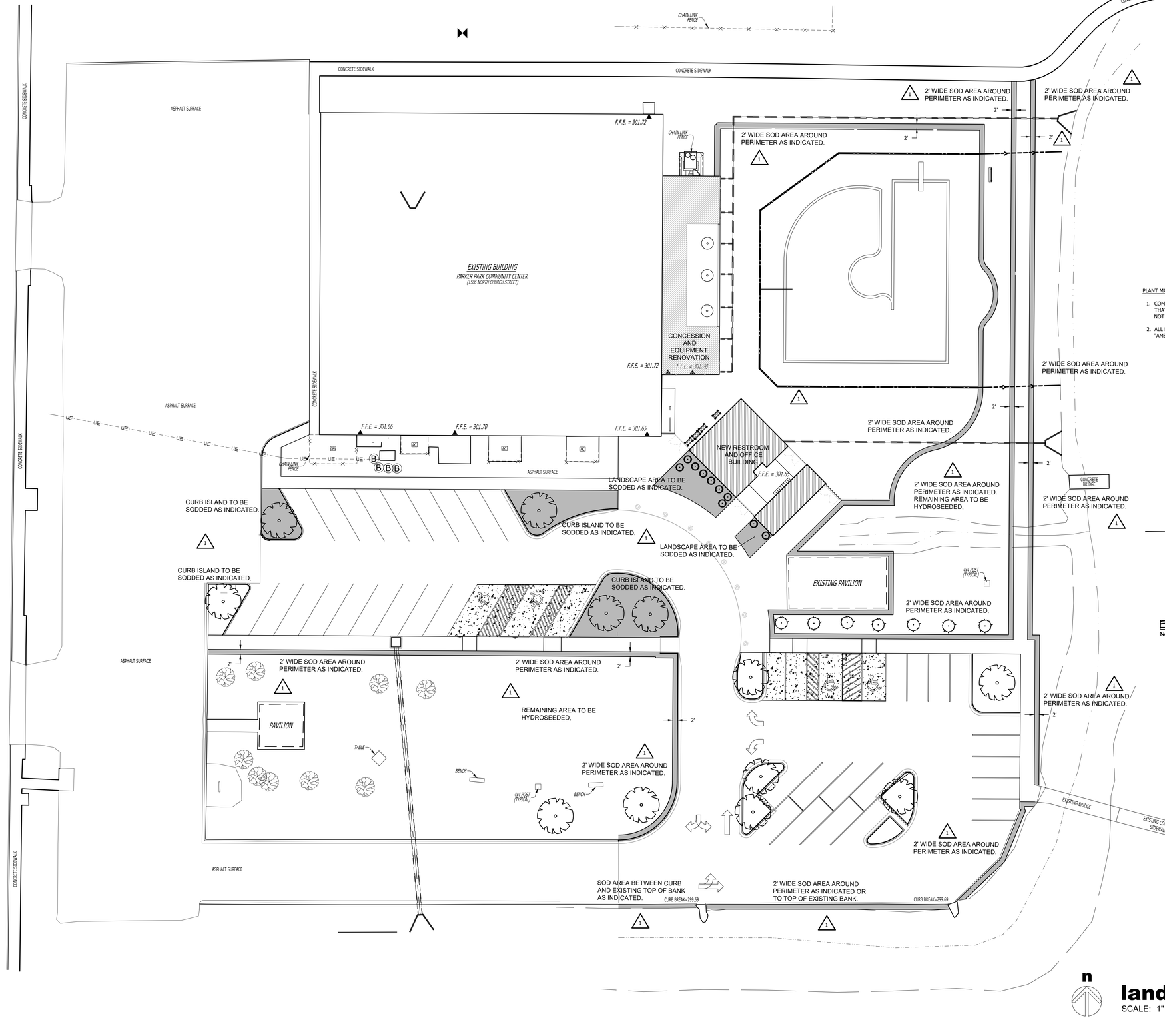


BEARING BASIS
(STATE PLANE COORDINATES ARKANSAS NORTH ZONE)

20' 10' 0' 20'

GRAPHIC SCALE
IN FEET

KEY

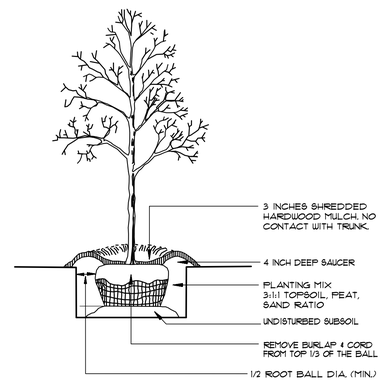
RED MAPLE - ACER RUBRUM - 12
2 ½" CALIPER, BALLED AND BURLAPPED.

CRAPE MYRTLE - LAGERSTOEMIA INDICA - 7
2 ½" CALIPER, BALLED AND BURLAPPED.

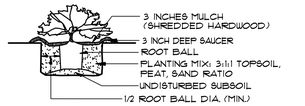
YAUPON HOLLY - 10
5-GAL. MINIMUM.

PLANT MATERIAL NOTES:

1. COMPLETE BERMUDA GRASS COVER SHALL BE ESTABLISHED FOR ALL AREAS OF DISTURBANCE THAT ARE NOT SCHEDULED FOR ANOTHER MATERIAL. PROVIDE HYDROMULCH ON AREAS NOT INDICATED TO RECEIVE SOD.
2. ALL PLANT MATERIAL SHALL COMPLY WITH WITH THE LATEST AMENDED EDITION OF THE "AMERICAN STANDARDS FOR NURSERY STOCK".



BALL AND BURLAP PLANTING
NOT TO SCALE



CONTAINER GROWN PLANTING
NOT TO SCALE

CERTIFICATE OF AUTHORIZATION ASSOCIATED ENGINEERING AND TESTING, LLC No. 299 ARKANSAS ENGINEER

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9815 JOHN M. EASLEY

Know what's below. Call before you dig.

n

landscape plan

SCALE: 1" = 20'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO

Jonesboro, Arkansas

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Revision Schedule			
Tag	Rev Description	Rev. Date	Issued by
1	ADDENDUM 1	08/18/23	KC

Commission Number
2301

C006

Date: August 4, 2023

LANDSCAPE PLAN

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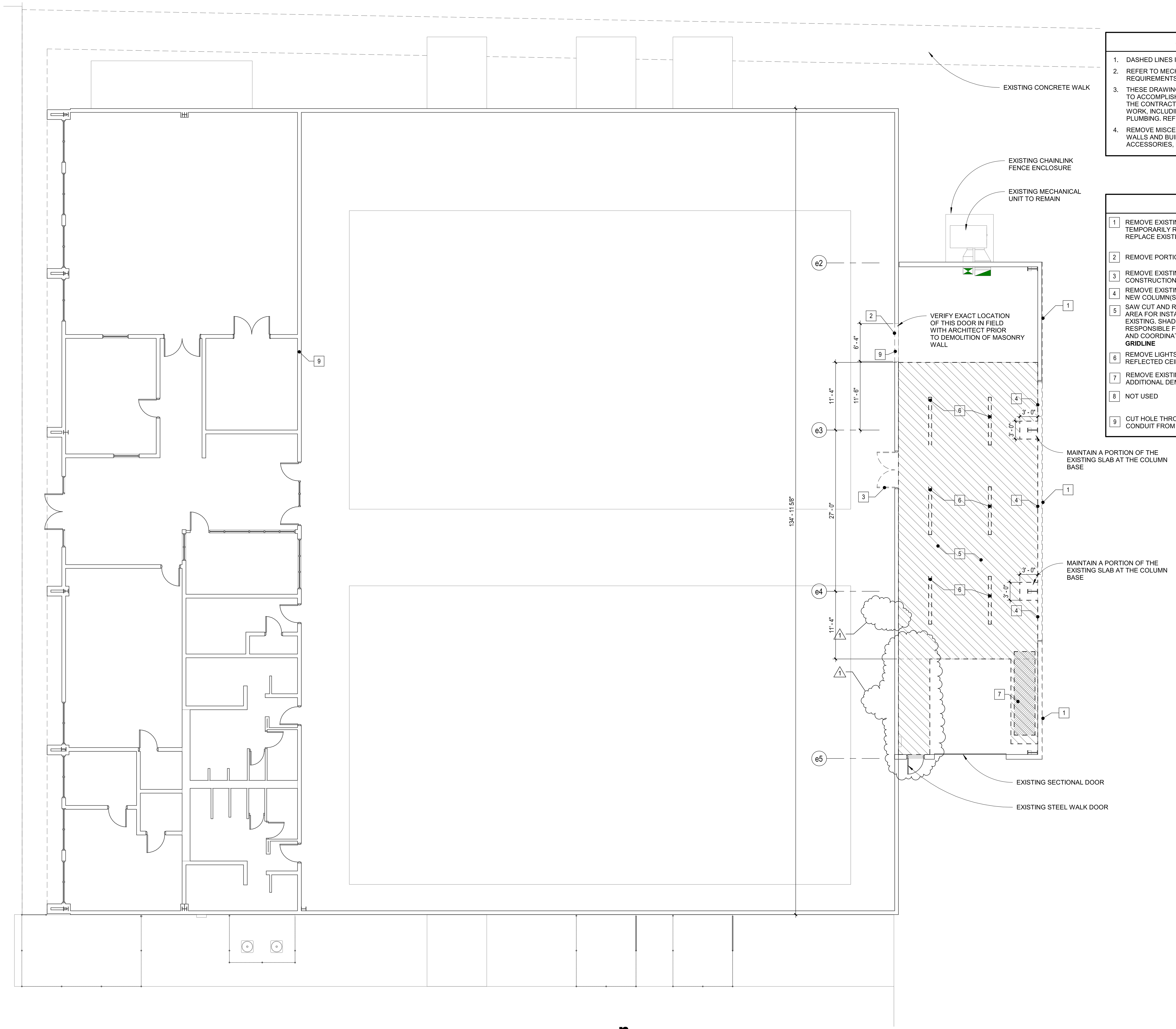

demolition floor plan

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

GENERAL DEMOLITION NOTES

1. DASHED LINES INDICATE WHICH ITEMS ARE TO BE DEMOLISHED.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR ADDITIONAL DEMOLITION REQUIREMENTS.
3. THESE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF DEMOLITION REQUIRED TO ACCOMPLISH THE NEW WORK. IT IS NOT INTENDED TO SHOW EVERY ITEM OF DEMOLITION. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION NECESSARY TO ACCOMPLISH THE NEW WORK, INCLUDING THAT REQUIRED FOR STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING. REFER TO SPECIFICATIONS FOR PRE-CONSTRUCTION SITE VISIT.
4. REMOVE MISCELLANEOUS NON-FUNCTIONAL ITEMS ATTACHED TO INTERIOR AND EXTERIOR WALLS AND BUILDING STRUCTURE. INCLUDED ARE SUCH ITEMS AS NAILERS, ANCHORS, ACCESSORIES, MECHANICAL AND ELECTRICAL DEVICES, ETC.

DEMOLITION NOTES

1 REMOVE EXISTING EXTERIOR METAL WALL PANEL AT EAST SIDE OF BUILDING AS INDICATED. TEMPORARILY REMOVE EXISTING ROOF GUTTER TO ALLOW REMOVAL OF WALL PANEL. REPLACE EXISTING GUTTER WITH NEW WALL PANEL

2 REMOVE PORTION OF WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR AND FRAME.

3 REMOVE EXISTING DOOR AND FRAME. PATCH OPENING TO MATCH EXISTING WALL CONSTRUCTION.

4 REMOVE EXISTING WALL GIRTS UP TO NEW CANOPY LOCATION. CONTRACTOR TO INSTALL NEW COLUMN(S) TO RECEIVE GIRT AS REQUIRED.

5 SAW CUT AND REMOVE A PORTION OF THE EXISTING CONCRETE FLOOR SLAB AT SHADED AREA FOR INSTALLATION OF NEW PLUMBING AND POOL LINES; PATCH FLOOR TO MATCH EXISTING. SHADED AREA REPRESENTS A GENERAL AREA OF SLAB REMOVAL. CONTRACTOR IS RESPONSIBLE FOR AMOUNT OF SLAB TO BE REMOVED AND REPLACED BASED ON NEED FOR AND COORDINATION WITH PLUMBING RENOVATION. **DO NOT REMOVE PEMB TIE BEAN AT GRIDLINE**

6 REMOVE LIGHTS AT AREA OF NEW CONCESSION. COORDINATE EXTENT OF DEMOLITION WITH REFLECTED CEILING PLAN AND MECHANICAL / ELECTRICAL PLANS.

7 REMOVE EXISTING POOL PIPING AND EQUIPMENT. SEE ELECTRICAL AND PLUMBING FOR ADDITIONAL DEMOLITION NOTES.

8 NOT USED

9 CUT HOLE THROUGH EXISTING WALL OF GYM AND OPPOSING WALL OF GYM TO RUN NEW CONDUIT FROM EXISTING IT CLOSET TO NEW IT RACK.

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO

Jonesboro, Arkansas

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Revision Schedule

Tag	Rev. Description	Rev. Date	Issued by
1	Addendum #1	08.18.23	KLC

BRACKETT-KRENNERICH & ASSOCIATES, P.A. REGISTERED ARCHITECTS C13 ARKANSAS

4 AUGUST 2023

Commission Number 2301

D100

Date: August 4, 2023

DEMOLITION FLOOR PLAN

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SECTION 01 2200
UNIT PRICES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. List of unit prices, for use in preparing Bids.

B. Measurement and payment criteria applicable to Work performed under a unit price payment method.

C. Defect assessment and non-payment for rejected work.

1.02 RELATED REQUIREMENTS

A. Section 00 4100 – Bid Form

B. Section 01 2100 - Allowances

C. Section 31 2316 Excavation

D. Section 31 2323 Fill

1.03 UNIT QUANTITIES SPECIFIED

A. Quantities indicated in the Bid Form are for bidding and contract purposes only. Quantities and measurements of actual work will determine the payment amount.

1.04 COSTS INCLUDED

A. Unit Prices included on the Bid Form shall include full compensation for all required labor, products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; overhead, profit, and taxes.

1.05 MEASUREMENT OF QUANTITIES

A. Measurement methods delineated in the individual specification sections complement the criteria of this section. In the event of conflict, the requirements of the individual specification section govern.

B. Take all measurements and compute quantities. Measurements and quantities will be verified by the independent testing agency retained by the construction manager to provide soil testing services.

C. Measurement by Volume: Measured by cubic dimension using mean length, width and height or thickness.

D. Linear Measurement: Measured by linear dimension, at the item centerline or mean chord.

E. Stipulated Sum/Price Measurement: Items measured by volume as a completed item or unit of the Work.

F. Perform surveys required to determine quantities, including control surveys to establish measurement reference lines. Notify Architect prior to starting work.

G. Engineer's Responsibilities: Sign surveyor's field notes or keep duplicate field notes ,calculate and certify quantities for payment purposes.

1.06 PAYMENT

A. Payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities of Work which is incorporated in or made necessary by the Work and accepted by the Architect, multiplied by the unit sum/price.

B. Payment will not be made for any of the following:
   1. Products wasted or disposed of in a manner that is not acceptable.
   2. Products determined as unacceptable before or after placement.
   3. Products not completely unloaded from the transporting vehicle.
   4. Products placed beyond the lines and levels of the required Work.
   5. Products remaining on hand after completion of the Work.

6. Loading, hauling, and disposing of rejected Products.

1.07 DEFECT ASSESSMENT

A. Replace Work, or portions of the Work, not conforming to specified requirements.

B. The authority of Architect to assess the defect and identify payment adjustment is final.

1.08 SCHEDULE OF UNIT PRICES

A. Unit Price No. 1 - Undercut and Replacement of Soils. Refer to Section 31 2323 – Fill.

1. As referred to by Specification Section 00 31 00 - Geotechnical Report, upper weak soils will be undercut and backfilled as needed. For bidding purposes a pre-calculated cubic yardage amount is to be included in the base bid as provided in Section 01 21 00 - Allowances, Allowance #1.
2. Undercut and Replacement of Soft Soils. Unit price shall apply in the event additions to or deductions from the work are required and authorized by the Architect. Quote cubic yard price for undercut, removal, backfill and compaction with select fill below building and paved areas where soft soil is encountered. Quantities measured in place by cross-sectioned area. Unit price to include all costs including cost of removal and replacement of materials, state sales tax, placing costs, all insurance costs, payroll taxes, overhead and profit and allowable bond premium.
3. See Section 31 2323 – Fill for Fill Material.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 2300

DEDUCTIVE ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Description of (1) one alternate bids required.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 ALTERNATE BIDS

A. Deductive Alternate No. 1
   1. Provide all material, labor, and associated expenses to **reduce scope of mechanical system per M102.** M101 to be included in the base bid. These modifications also include changes/modifications to masonry openings, electrical, concrete flatwork, and fencing.

3.02 BID INCLUSION

A. Included deductive pricing as shown on the bid form. Deduction pricing to include all applicable taxes, etc. and include items necessary to make the deduction and totally complete the requested change.

END OF SECTION

SECTION 13 11 00 SWIMMING POOLS

PART I

1.1 GENERAL

Provide all labor, materials, supervision, and related equipment required for swimming pool construction as herein specified.

All work called for in this Section shall be subject to the project General and Special Conditions. Contractors doing work of this Section shall refer thereto.

This Section of the specifications is intended to describe all work to be performed by a contractor specializing in swimming pool construction and swimming pool equipment installation and service.

Only Pool Contractors capable of meeting the qualifications and furnishing all work and equipment called for in this Section shall be considered. All work called for in this Section shall be, and remain through the warrantee periods, the sole responsibility of a single contractor specializing in the construction of swimming pools and the installation and service of swimming pool equipment. The General Contractor must obtain approval from the Engineer/Owner before awarding a subcontract for this Section. The Engineer/Owner reserves the right to request any information necessary to make final decision.

1.2 SUMMARY OF WORK INCLUDED

A. The work of this Section includes, but is not necessarily limited to the following:

1. Layout pool; bench mark and exact location supplied by the General Contractor.
2. Supervise and/or perform bulk excavation.
3. Furnish and Install all required granular sub-base and perform all required hand trimming of excavation.
4. Furnish and install all required forms for pool construction.
5. Furnish and install specified reinforcing steel.
6. Construct concrete swimming pool structure per plans and specifications herein. Contractor has an option of constructing wet or dry mix shotcrete, or poured in place concrete.
7. Supervise General Contractor's installation of permanent dewatering system if and as required by plans and specifications.
8. Furnish and install the entire recirculation system including pool piping, control panels, play equipment and required mechanical equipment.
9. Furnish and install interior pool finish as specified.
10. Furnish all depth markings and warning signs required by Arkansas Department of Health and as specified on the drawings.

11. Furnish and install complete filter equipment and pool mechanical system as shown on the drawings.
12. Furnish and install the specified pool sanitizing equipment.
13. Furnish pool deck equipment and accessory equipment shown and/or specified. All anchors to be set within the pool deck shall be furnished by the Pool Contractor for installation by the General Contractor.
14. Provide operation and maintenance manuals and operating charts as required. See section 01780 for O&M quantity.
15. Start-up, maintain and operate the pools until permitted by the Arkansas Department of Health.
16. Obtain Arkansas Department of Health permit for all pools.
17. Provide all chemicals required to properly balance the pools and maintain them until the Arkansas Department of Health permits are acquired.

NOTE:

Plumbing Contractor to provide: Fresh water piping into filter room, including backflow prevention devices and shut-off valves.

Electrical Contractor to provide: Power panel with circuit breakers, disconnect switches, duplex outlets, ceiling lights, exhaust fan, grounding and wiring (for Pool Contractor's pool, deck equipment, control panels and chemical feeders). Electrician must conform to ARTICLE 680 -- Swimming Pools, Fountains, and Similar Installations, UL and local code (RE. Electrical Fire Underwriter).

Any item of equipment or materials obviously a part of the filter and pool recirculation system and necessary to its operation, but not specifically mentioned in the specifications or shown on the drawings shall be furnished and installed by this Pool Contractor as a part of his work at no extra cost. The Engineer/Owner shall retain final judgment regarding any omissions.

1.3 RELATED WORK

Earthwork
Site Drainage
Site Utilities
Sealants and Caulking
Plumbing
Electric

1.4 SUBMITTALS

Product Data: Submit manufacturer's product specifications, technical product data and installation instructions for all types of equipment, components and products used in the pool work. Product Data will be required for the following:

- Filters
- Filter Sand
- Main Drains
- Chemical Controller: Include specified options, wiring schematic and programming if submitting other than specified.
- Pumps
- Heaters
- VFDs
- Ceramic Tile: Submit samples, specifications and color/pattern options for owner selection
- Play features
- Any part or material for which a substitute product is being proposed.

Operation and Maintenance Manuals: Submit bound maintenance manuals with full operating and maintenance instructions, parts listings, recommended spare parts and emergency parts, inventory, purchase source listing, emergency instructions and similar information. Every piece of equipment for which maintenance may be required shall be included.

If any substantial deviations from the mechanical design presented in the contract drawings are to be proposed by the contractor, complete hydraulic calculations that establish the hydraulic capabilities of the pool systems certifying that swimming pool systems are in compliance with the code requirements of the Arkansas Department of Health, certified by a licensed professional engineer will be required. It will additionally be required that the contractor acquire Arkansas Department of Health, Engineering Division, approval in addition to the Engineer's approval.

1.5 QUALIFICATIONS OF POOL CONTRACTOR

The Swimming Pool Contractor may be a subcontractor to the General Contractor or the General Contractor may be the Swimming Pool Contractor so long as he meets the following qualifications.

The Swimming Pool Contractor must have a proven record of competence and experience in the construction of similar institutional facilities. The following requirements have been established to insure that only properly qualified contractors will be considered. Special attention should be given to the Pool Contractor Qualification Form included with the Documents. The General Contractor is required to submit the completed form with his bid.

A. The Pool Contractor must be a licensed contractor in Arkansas and have had at least five (5) years experience in the construction of the type of swimming pool herein specified and must list at least five (5) pools of this type each with a water surface area not less than 2000 square feet which he has constructed and which upon investigation would be found to be completed in a satisfactory manner. If the pneumatically applied concrete option is taken, the Contractor's shotcrete foreman must have at least five (5) years experience and nozzlemen at least two (2) years experience in the construction of shotcrete swimming pool structures. If the dry-mix process is being used, the nozzlemen's experience must be with a dry mix nozzle. Satisfactory written evidence of such experience shall be presented to the Engineer/Owner on demand.

B. The Pool Contractor shall furnish complete evidence that he has the facilities, equipment, personnel, and financial capability to complete all phases of this trade division.

C. The Pool Contractor must maintain an in-house service organization to provide post-construction service and consultation. It must be completely staffed with people knowledgeable in the areas of pool and equipment operation and maintenance, and have demonstrable expertise in the area of pool water chemistry. He must maintain an inventory of commonly needed spare parts.

D. The Engineer/Owner reserves the right to reject any Pool Contractor if the evidence submitted by, or investigation of, such bidder fails to satisfy the Engineer/Owner that such contractor is properly qualified to carry out the obligations of the contract and to complete the work described, or if the contractor does not meet the qualifications stated herein.

1.6 SUBSTITUTIONS

A. Special attention is directed to the materials, products and equipment described in the Bidding Documents as shown on the drawings. They establish a standard of required function, dimension, appearance, durability, and quality to be met by any proposed substitution.

B. Where more than one manufacturer's name is mentioned for a particular item of equipment or material, the Pool Contractor may base his bid on any one of the manufacturers mentioned.

C. Whenever the words "or equal" or "approved equal", or "equal as approved" appear in the specifications they shall be interpreted to mean material or an item of equipment equal in quality to that named and which is suited to the same use, capable of performing the same function and which will meet the performance requirements of these specifications. The burden of proof of equality or service shall be on the supplying contractor.

1.7 PATENTED MATERIALS

The Pool Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Owner, the Contractor and Engineer harmless from loss on account thereof, except that the Pool Contractor shall not be responsible for all such loss when a particular design, process or the product of a particular manufacturer or manufacturers is specified, but if the Pool contractor has reason to believe that the design, process or product specified is an infringement of a patent, he shall be responsible for such loss unless he promptly gives such information to the Contractor and Owner.

1.8 DELIVERY, STORAGE AND HANDLING

Deliver shop fabricated components to the job site adequately packaged to prevent damage. Unloading and storage shall be by the Pool Installer. Do not stack or store in any manner which could cause damage or deform the stored materials.

PART 2 PRODUCTS

POOL CONSTRUCTION:

2.1 CEMENT

All cement shall conform to the requirements of the "Standard Specification for Portland Cement, Serial Designation C-150 of the ASTM and shall be Type I or II (except where transit mixed cement is to be employed) and shall be delivered to the job site in original packages or bulk tanker and adequately protected from the weather during storage.

2.2 CONCRETE FOR POOL CONSTRUCTION

All concrete to be used in the pool shell or bond beams shall develop a minimum 28 day compressive strength of 4000 PSI. See specification section 03360 SHOTECRETE for addition specifications on pneumatically applied concrete. All pool concrete will include glass or plastic fiber at the recommended dosage rate.

2.3 WATER PROOFING FOR TANKS AND PITS

XYPEX concentrate by XYPEX Chemical Corporation of Richmond, British Columbia. Brush or spray slurry to completely cover all interior surfaces.

2.4 WATERSTOP – CONCRETE JOINTS

PVC dumbbell type. Optionally, a bentonite type waterstop like Volclay may be used.

2.5 WATERSTOP – PIPE PENETRATIONS

PVC or FRP as manufactured by United Industries, Inc. or A.S.A Mfg. Inc. All pipe penetrations will be fitted with waterstop fittings. See inlet details in the drawings for additional measures.

2.6 PLIABLE WATERSTOP

SikaSwell S-2 by Sika Corporation. One component, polyurethane-based waterstop. Place a ½" bead around the pipe at the base of the cut-back.

2.7 REINFORCING

All reinforcing steel shall be standard sizes of deformed bars equal to the requirements of the "Standard Specification for New Billet Steel, Concrete Reinforcement", Intermediate Grade, Serial Designation ASTM A-615, Grade 60, latest revision as adopted by the American Society for Testing Materials.

2.8 GUTTERS

Natare roll-out type gutter with water level 1 ½" below deck level. Gutter shall be 12 ga. Type 304L SS with slip resistant surface on gutter lip and Natare "GPM" polymer grating. Gutters shall include supply channel with inlets except for the 24'-9 ½" section at the east side of the play area. See drawings for inlet spacing.

2.9 BONDING AGENT

Sikadur 32 Epoxy bonding adhesive. Apply 1 gal per 80 square feet. Place concrete while agent is still tacky. If bonding agent is allowed to harden, it shall be reapplied. Follow manufacturer directions. Sika Corporation, Lyndhurst, NJ 07071.

2.10 COPING

Brick: 12 ½" x 3 5/8" with finger grip by Marion Ceramics. Provide sample board for color selection.

2.11 DEPTH MARKERS

A. Ceramic: 6" Ceramic Tile set flush in pool deck or replacing the waterline tile on skimmer pools. Tile to be placed in the deck must be slip resistant. Wall markers will be placed at every location that deck markers are indicated. The "No Diving" marker is not required on the walls. Inlay Inc.
B. No Diving: 6" Slip Resistant Ceramic Tile set flush in pool deck. Inlay Inc.

Note: Deck markers may be set in wet concrete or the set concrete may be cut and chipped to inset the markers. The finished product will be square with the pool wall, flush with the concrete and neat in appearance.

2.12 TILE

A. Wall Targets: 2" Slip resistant, acid resistant black swimming pool tile by Cepac or Daltile.
B. Lane Lines: 2" Acid resistant black swimming pool tile by Cepac or Daltile.
C. Slope Break: 2" x 2" Ceramic tile, black and acid resistant by Cepac or Daltile.
D. Steps: 2" x 6" slip resistant Safety Edge Tile by Inlays Inc.
E. Slip Resistant Floor Tile: 1" Hexagonal Floor Tile: acid resistant, slip resistant, white by Cepac or Daltile.
F. Water Line: 6" x 6" Decorative ceramic wall tile: Acid resistant pool tile by Fujiwa, Cepac, NPT or Daltile. Submit samples for selection.

2.13 PLASTER

Marcite, white marble aggregate and white portland cement. See "3.6 PLASTER INTERIOR FINISH" this specification for prep and installation details.

2.14 AGGREGATE FINISH

PebbleTec®. This work must be done by a certified installer following manufacturer directions.

POOL ROUGH-IN:

2.15 PIPING

Unless specifically specified otherwise, all below ground piping and fittings shall be PVC Schedule 40 NSF approved. Above ground piping may be schedule 40 NSF approved. Flexible PVC may be schedule 40 Flexible PVC is only allowed when encased in concrete. Any threaded female plastic fittings shall be Spears stainless steel reinforced.

2.16 MAIN DRAINS

- Diving Well/Pool circulation: 18" x 36" x 24" Lawson Aquatics unblockable FRP sump with 8" connection.
- Play Features=: 18" x 36" x 33" Lawson Aquatics unblockable FRP sump with 12" connection.

2.17 HYDROSTATIC RELIEF

2" ABS, Swimtime P095130 and 2" Pebble and Gravel stopper, Swimtime P095260. A minimum of 1 cubic foot of gravel is to be placed around the stopper. Place plastic around drain to prevent concrete from penetrating the gravel well.

2.18 SKIMMERS

Baker-Hydro commercial skimmer #50W2010

2.19 INLETS, WALL

Inlets shall be plastic directional with an adjustable ball to direct flow and 1 ½" male pipe thread. Waterway 400-1410__ series, opening size as follows.

- Three inlets at Play Area, < 24" depth: 5/8" opening
- Three inlets at Seating Area: 3/8" opening
- Three inlets at Remainder, > 24" depth: 3/4" opening
- Gutter: By Natare

2.20 INLETS, FLOOR

Waterway 640-900X adjustable PVC with 2" socket.

2.21 SPA JETS

Waterway PolyGunite: Assembly (Body, Fitting & Retainer Ring) #210-3700, Niche #425-5030 and Jet #210-8750. Supply one wrench #218-1770A.

2.22 ROPE ANCHORS

At Stainless Steel Gutters: Per Natare

2.23 POOL NICHES

Pentair Water large plastic niche model number 79206700 with cord seal system. Top of niche shall be minimum 18" below normal water level, 21" below top of beam for skimmer pool. Niche shall be securely attached to the reinforcing with the face plumb. Electrical conduit from niche shall be watertight. Seal assembly shall be installed to prevent water from entering conduit.

2.24 SPA NICHES

Pentair small stainless steel niches for spa lights.

2.25 LIGHTS, POOL

White: Pentair 120 Volt, Intellibrite® 5G white LED swimming pool light. Lights shall have a stainless steel face ring and be UL listed to install in all full-sized Pentair Pool Products niches. See pool plan and elevations for locations. Grounding and bonding per NEC 680. Enough wire shall be coiled in the Niche that the light can be lifted and placed on the deck for bulb replacement.

2.26 LIGHTS, SPA

Pentair 100 "equivalent watt", 120 Volt, Intellibrite® white LED spa light. Lights shall have stainless steel face ring and be UL listed. See pool plan and elevations for locations. Grounding per NEC 680. Enough wire shall be coiled in the Niche that the light can be lifted and placed on the deck for bulb replacement.

2.27 JUNCTION BOXES

Lighting Junction Boxes are to be Intermatic PJB2175 (2 fixture) or PJB4175 (4 fixture) complete with ground bar and cord strain relief. Boxes shall be installed 8" above the pool deck per NEC 680. Pool contractor to provide boxes for installation by Electrical contractor.

2.28 POTTING COMPOUND

3M Scotchcast 2135

2.29 BONDING

#8 Bare solid copper electrical wire and bronze clamps. All metal within the pool area including; ladder anchors, light niches, diving stand, stanchion anchors, lifeguard chair anchors, metal gutters, starting platform anchors and concrete reinforcement shall be included. The wire is to be attached to the item and attached to concrete reinforcement with bronze clamps per NEC 680.

2.30 RECESSED STEPS:

Recessed steps shall be black injection molded plastic 17 ½" wide by 7" tall by SRSmith, model number 62-209-4002. Steps shall be neatly grouted in place level and to be flush with the finished pool surface.

2.31 GRAB RAILS

All grab rails to be 0.065" wall, 1.90" o.d. 304 stainless steel commercial by SRSmith. Grab Rails shall be 32" high x 48" deep and placed 20" apart on center. SRSmith model number DMS-101B. Provide 316 SS inside and 304 SS outside. Bronze wedge anchor sets and escutcheons are to be provided for all ladders and grab rails.

2.32 TRANSFER RAILS

Transfer rails shall be S.R.Smith EB-14B bent rail without flanges. Install permanently in concrete with bonding wire attached. Rails shall be parallel, 5 ¾" above the coping and otherwise installed per manufacturer and ADA requirements.

2.33 HANDRAILS (INDOOR OR IN-POOL)

1.5" O.D. 316 Stainless Steel 0.065" minimum wall thickness mounted in bronze wedge anchors and provided with stainless steel escutcheons.

2.34 HANDRAILS (OUTDOOR)

1.5" O.D. 304 Stainless Steel 0.065" minimum wall thickness mounted in bronze wedge anchors and provided with stainless steel escutcheons.

EQUIPMENT:

2.35 FILTERS

Single high rate sand filters with automatic gang valves. The filter shall be constructed of 1/4" steel sheet designed for 50 psi working pressure and 75 psi test pressure. The filter shall include an influent header and underdrain collection system designed to evenly distribute flow. The filter shall include a manway and adjustable jack legs. The filter shall include a drain fitting complete with media retainer to rise above contractor installed concrete and a fitting at the filter top for an air release. All aspects of filter design and construction shall comply with NSF & ANSI

standards. The exterior shall have a factory coating of zinc oxide primer. The filter interior shall have Flexsol 3000 or equal lining, The filter shall be loaded with concrete and graded media per manufacturer directions.

72" with 6" face piping, Neptune Benson 72 SRF-6 with MFP2 Automatic Controller and 120V valve actuators.

2.36 FILTER SAND

Filter sand must be hard and of quartzite nature, 90-95% insoluble in warm muriatic acid. Filter sand must be 0.45 - 0.55 mm with a uniformity coefficient of 1.7 or less. Not more than 5% of flat particles allowable. Not more than 1% clay, loam dust, or other foreign materials allowable.

2.37 AUTOMATIC AIR RELEASE

Apco #55 or per filter manufacturer

2.38 BACKWASH SITEGLASS

Swimtime Model P180990. Drill, tap and install in backwash piping.

2.39 DIFFERENTIAL PRESSURE GAGES

0 - 60 psi with 3 ½" face complete with brass air cushion and bleed assembly. Gages are to mounted in panel at filters. One influent and one effluent for each filter. Swimtime Model P181045 or per filter manufacturer

2.40 PUMPS

All pumps except VITs shall be installed on a minimum 5 ½" housekeeping pad. Disconnects, Soft Starts, VFDs and VFD controls are to be installed on Unistrut next to the pump or on the wall. All pumps shall be bolted down per detail 2, X1.12. Reducers/Increasers on pumps shall be cone type. The pump is to be wired by the Electrical Contractor. Install per manufacturer directions. Pumps are as follows:

- Multipurpose Pool: Pentair EQK1500 15 hp with high efficiency, 208V, 3Ø, 60Hz motor, minimum Class F insulation.
    - Control: VFD, Flow control. See bottom of section for specifications.
- Play Feature Pump: 15 hp VIT, 765 gpm @ 24.40' tdh, 208V, 60Hz motor, minimum Class F insulation.
    - Control: VFD, Pressure control. See bottom of section for specifications.
- Seat Jets: Pentair 3 hp WFK-12, 208V, 60Hz motor, minimum Class F insulation.
    - Control: Starter/disconnect
- VFD Pump Control: All pumps listed above to be controlled by a VFD shall be provided with the following unless stated otherwise:
    - H2Flow Eco-Flow-C with Aquatic Controller

  The drive is to receive a 4-20ma signal from the magnetic flow meter (or pressure sensor) and maintain flow rate (or pressure) based on that input. The combination shall be calibrated to accurately read the flow rate in gpm on the VFD display. Submit drive and magnetic flow meter for approval. All options and accessories required for a complete operational system shall be provided.
- Magnetic Flow Sensor: McCrometer Ultra Mag or equal full flow with a 4-20ma output

2.41 ACID PUMP

Stenner Model 45M5 with adjustable output. Pump shall be capable of 50 gpd at 25 psi. Tubing shall be 3/8" polyethylene. Install with check valve kit.

2.42 WATER LEVEL CONTROL

LEVELOR LEV110CK/2G water level control system with surge tank mounted low voltage slip type probe and 2" solenoid valve.

2.43 CHLORINATOR

PPG PowerBase 1030. NSF 50 Certified delivery of 67.2 lbs/day and a storage capacity of 30 lbs of tablets. Solenoid and pump shall be controlled by the chemical controller.

2.44 VALVES

All valves shall be as follows unless specifically specified otherwise.

A. Small valves less than ½" generally supplied with equipment or installed as part of an equipment installation such as a small valve supplied with a gage or installed as part of a gage installation shall be as supplied by the equipment manufacturer or as customarily used in such an installation.

B. Valves ½" to 2" shall be Spears PVC true union 2000 ball valves or Georg Fischer Type 375 True Union Ball Valves. Valves shall allow repair and removal of internal parts without cutting piping or installation of additional unions. The valve shall also allow removal of the downstream union while holding pressure on the upstream side for repair of downstream components.

C. Valves 2 ½" to 6" shall be Asahi Pool-Pro, Georg Fischer Type 563 Aqua or Hayward Industrial. Valves in this size range shall be provided with a locking lever handle unless indicated otherwise on the drawings.

D. Valves 8" and larger shall be Asahi Pool-Pro, Georg Fischer Type 563 Aqua or Hayward Industrial. Valves in this size range shall be gear operated unless indicated otherwise on the drawings

E. Modulating Valve: Mer-Made Filter FV-DP Float Valve Dual Arm – Single Float – Pivot

F. Foot Valve: TermoPro Poly-Swing foot valve with HDPE body and stainless steel hardware.

G. BALL CHECK VALVE: Spears True Union 2000 Industrial Ball Check Valve or Georg Fischer Type 360 True Union Ball Check Valve.

H. SPRING CHECK VALVE, 2" AND SMALLER: Jandy Never Lube or Waterway

I. CHECK VALVES, 2 ½" AND LARGER: PVC body swing check with stainless steel hardware; Hayward WCV or Asahi

2.45 VALVE TAGS

All valves shall be provided with a brass tag indicating service and normal position.

2.46 REDUCERS

Pump outlet or inlet reducers where required shall be flanged CONE TYPE; Spears PVC or equal.

2.47 CHEMICAL CONTROL, FLOW CELL ASSEMBLY

BECSys3 automatic controller. Microprocessor control. The controller is to be provided with:

- Membrane PPM Chlorine Sensor
- Rotary flow switch and check valve

- 115 VAC input power

The BECSys3 is to control the pump VFD, heater, chlorinator and acid pump. Provide all accessories and appurtenances necessary for a completely operational system.

2.48 PIPE ANCHORS, BRACKETS AND SUPPORTS

B-Line or Unistrut. All struts and brackets shall be galvanized or stainless steel. Pipe clamps, wedge anchors and hardware shall be stainless steel. The roof of the mechanical room will be I-beam construction and it will be acceptable to support piping from the beams using B-Line clamps designed for that purpose. It will also be acceptable and recommended in some cases to continue Unistrut material from floor to I-beam for more secure anchorage. Piping suspended from rods or trapeze hangers shall be angle braced to prevent movement. v

2.49 PAINTING

Filters shall be shop primed as in the filter specification. Any other metals to be painted shall receive a coating of zinc oxide primer. Any damage to primer during shipping or installation shall be repaired. The filters shall be cleaned before application of finish coats. Two finish coats of TNEMEC Series 135 polyamidoamine epoxy shall then be applied to all metals not factory finish coated. Submit color card for owner selection.

2.50 MECHANICAL ROOM SIGNAGE

A. Signage shall be provided for the following items:

1. Chlorinators: One sign for each chlorinator designating associated pool. Attached to wall over the unit.
2 Filters: One sign for each filter designating associated pool. Place on the center side of the filter.

These signs shall be matte finish acrylic, 2" x length, Series 200 sign as manufactured by Mohawk Sign Systems. Required lettering shall be Helvetica Medium. Lettering shall be 3/4".

B. All pumps shall be labeled with the pump number and service. These labels may be stenciled onto the pump in 3/4" lettering.

DECK INSTALLATION:

2.51 DIVING STAND

Durafirm One-Meter with top and intermediate rails on both sides. Indicate deck height above water based on gutter to be installed when ordering. Stand is for MaxiflexB 16’ board, Part # 70-231-400. The stand shall be installed with the use of eight Durafirm Catalog #70-231-900 Bronze Deck Anchors.

2.52 DIVING BOARD

16’ MaxiflexB by Duraflex.

2.53 STANCHION ANCHORS

Swimtime P142670

2.54 POOL RULES SIGN

Signs shall be minimum 14" wide x 20" tall constructed of aluminum/vinyl or rigid polyurethane. Text shall be similar to detail 3 on X-5.1 with 1/2" tall letters. Sign shall be securely anchored with 4 stainless steel screws and expansion type anchors. Provide 3 each to be installed as directed by the Engineer or Architect. Exact text to be verified with owner before ordering.

2.55 HANDICAP LIFTS

Pool lifts are to be F-MTY400 by Aqua Creek Products. Install permanently at the locations indicated on the drawings following manufacturer instructions. Deck area for wheelchair next to lifts shall be clear and less than the maximum allowed slope.

2.56 LIFEGUARD CHAIR (FIXED)

S.R.Smith Commercial Outlook I Lifeguard Stand.

2.57 PLAY FEATURES

- Emerald FX Barrel Falls
- Emerald FX Bell Tower
- Emerald FX Large Dome
- Emerald FX FG-2100 Play Structure
- Emerald FX Spray Bollard
- Emerald FX Water Geyser, 4 each
- S.R. Smith “Vortex” open flume with staircase, model number 695-209-3A
- S.R. Smith Commercial Basketball Goal with anchor

Emerald FX LLC, 502 Industrial Pkwy, Norwalk, OH 44857, (419) 663-3279
S.R. Smith, 1017 SW Berg Parkway, Canby, OR 97013, (800 824-4387

2.58 EXPANSION JOINT

Expansion joints at the pool perimeter, at building lines and other locations as shown on the plans are to be ½” full depth of the concrete decking utilizing expanded polyethylene. The top of the joints will be cleaned to a neat ½” wide x ½” deep joint before applying sealant. All moisture, dust and dirt will be removed before applying sealant. Sonneborn SL1 or Sikaflex is to be neatly applied to provide a level joint.

2.59 CHEMICALS

Provide all chemicals required to start up pool, balance pool water and maintain pool until health department approval is acquired.

2.60 EQUIPMENT TO BE PROVIDED BY OTHERS (NOT IN THIS CONTRACT)

A. Lifeguard Chairs
B. Test Kit
C. Shepherd’s Crooks
D. 16’ Poles
E. Ring Bouys
F. First Aid kit
G. Spine Board

H. Pool brush
I. Vac head
J. Portable Vac pump
K. Leaf rake

PART 3 EXECUTION

3.0 LAYOUT OF WORK

Before the start of any excavation or construction, the Pool Contractor, under supervision of the Engineer/General Contractor, shall place batter boards permanently locating the perimeter of all structures.

3.1 DIMENSIONS AND DESIGN

Structures designed as a monolithic unit shall be placed, insofar as possible, in one continuous operation. Some structural designs may incorporate a combination of poured concrete floor and pneumatically applied concrete walls.

Surfaces against which new shotcrete is to be placed shall be thoroughly cleaned and slushed with neat cement. All horizontal or vertical steel shall pass through construction joints in such a manner that the full strength of the reinforcing will be developed. Structural designs as shown on the pool drawings shall govern.

3.2 EXCAVATION AND GRADING

The machine excavation shall be carried on avoiding over-excavation. See the soil report for details of cut and fill.

All excavation work required for the pool installation shall be in accordance with the excavation specifications in the appropriate section of these specifications.

3.3 PLACE FITTINGS

Before commencing shotcrete work, the Pool Contractor shall place all special pool fittings and receptacles that are to be embedded in concrete and shall be responsible for their positioning in accordance with the drawings.

3.4 STEEL REINFORCEMENT

Refer to specification sections 3300 - Concrete and 3360 - Shotcrete.

3.5 FINISHING CONCRETE IN THE POOLS

Finished concrete shall be true to the form indicated on the plans and shall be free from swells, ridges, projections, depressions, holes, cavities, mortar deficiencies, and other defects.

Pools to receive a paint finish shall be trowel finished as follows. After the concrete has hardened sufficiently so that water and fine material will not be worked to the surface, the surface may receive the first troweling, which should be only sufficient to produce a smooth surface free from defects. After the surface has become hard enough that no mortar adheres to the edges of the trowel and the trowel produces a ringing sound when passed over the surface, the surface should receive final troweling. During this operation, the trowel should be tilted slightly and passed over the surface under heavy pressure to thoroughly compact and form a dense wearing surface. The

concrete finish to receive paint shall be consistently smooth. It will be required after tile installation to float beneath the tile with a patching product. This will taper from 3/8" thick at the base of the tile to 0" 24" down. Submit a suitable product for approval.

Repair of cracks:

a. Chip out a V ¾" wide and as deep.
b. Clean and dry
c. Fill with Sikadur 32 Hi-Mod

3.6 PLASTER INTERIOR FINISH

Interior surfaces of the pool shall be thoroughly cleaned of dust, oil, paint, and other loose material or foreign matter before application of any succeeding plaster coats. Interior surfaces shall receive a finish coat of plaster. This is a pool plaster manufactured from a calcareous base aggregate. This coat shall be 3/8" to 1/2" in thickness and shall be troweled to a smooth, dense, impervious surface exercising extreme care to avoid stains.

"Marcite" interior finish shall be applied by mechanics having at least three (3) years experience in the application of this finish to concrete swimming pool interiors. Written proof of the mechanics" experience shall be supplied at the Owner's request as will a list of pools over five (5) years old in which the original "Marcite" finish has not required maintenance other than a yearly cleaning.

The Plaster interior finish shall not be applied until:

A. All work by other contractors in the pool area shall have been completed.

B. All hairline cracks have been repaired.

B. The filter system is completely installed, including all plumbing and electrical work, and is ready for start-up.

C. The pool make-up water has been tested and the chemical analysis is available to those responsible for filling the pool and starting up the filter equipment.

D. Water for filling the pool uninterruptedly will be available immediately on completion of the plaster application.

3.7 PLASTER BREAK-IN

A. Add chelating agent such as Stain Out..

B. Turn pump on when pool is full. Run equipment 24 hours/day. May need to backwash filters often.

C. Test water for pH, total alkalinity and calcium hardness. Bring calcium level up to 200 to 400 ppm level by adding calcium chloride. Bring Alkalinity to 110 ppm with the addition of sodium Bicarb.

D. Adjust PH gradually. Add 1 pint of acid per 10,000 gallons of water.

E. Test water each day and adjust chemicals as needed.

F. Brush three times per day, the entire pool. Clean filter each time pressure is 10 psi more than normal.

G. Vacuum after 48 hours and each day thereafter.

H. Add sanitizer

3.8 POOL PIPING AND POOL FITTINGS

A. GENERAL

The drawings indicate the general arrangement of the pool plumbing details. Any substantial departure due to actual field conditions or other causes shall be submitted to the Owner/Engineer for approval. The Pool Contractor shall carefully examine the drawings and shall be responsible for the fitting and materials and equipment as indicated without alteration.

No installation shall be made that will provide a cross connection or interconnection between a distributing supply for drinking purposes and the swimming pool that will permit a backflow of water into the potable water system.

Pipe openings shall be closed with caps or plugs during installation. Equipment and pool fittings shall be tightly covered and protected against dirt, water and chemical or mechanical injury. At the completion of the work, the fittings, materials and equipment shall be thoroughly cleaned and adjusted for proper operation.

B. SCOPE OF WORK - POOL PIPING

In general, the work covers but is not limited to the following, and is the responsibility of the Pool Contractor:

The Pool Contractor shall supply and install all piping, pipe fittings and valves from the pool fittings to the juncture of the filter equipment; all piping, pipe fittings and valves from pool main outlet line; chlorinator hoses where indicated; all piping and pipe fittings within the filter room required and as shown on the plans; all pipe hangers, rods and supports and other material to complete the intended scope of work.

C. WORKMANSHIP

All materials to be used in this work shall be installed by workmen thoroughly skilled in their trade and all work shall present a neat and mechanical appearance when complete. The Owner/Engineer shall be the sole judge of whether work installed under this contract has met this requirement and the Pool Contractor, at no additional expense to the Owner,

shall replace or correct any work not judged acceptable by the Owner/Engineer.

D. INSTALLATION

1. Handling: Pipe and accessories shall be handled in such a manner as to insure delivery to the trench in sound, undamaged condition.

2. Cutting of Pipe: Shall be done in a neat and workmanlike manner without damage to the pipe.

3. Placing and Laying: Before installation, pipe shall be inspected for defects. The interior of the pipe shall be thoroughly cleaned of foreign matter and shall be kept clean during laying operation. Pipe shall not be laid in water, or when trench or weather conditions are unsuitable for the work. Water shall be kept out of the trench until the pipe is installed. When work is not in progress, open ends of pipe and fittings shall be securely closed so that no trench water, earth, or other substance will enter the pipes or fittings.

E. JOINTS

1. Mechanical Joints: Assemble all mechanical joints by washing the socket and plain ends of the pipe with soapy water. Then the gland and gasket shall be slipped over the plain end in such a manner that the small side of the gasket and the lip side of the gland face the socket. The gasket shall then be painted with soapy water. Insert the plain end into the socket and push the gasket into position so that it is evenly seated. Slide the gland into position, insert bolts and tighten bolts alternately bottom and top and continue around pipe until the joint is bottle-tight under all working pressures.

2. Threaded Joints: After cutting and before threading, pipe shall be reamed and shall have burrs removed. Screw joints shall be made with graphite or inert filter and oil or with an approved graphite compound applied to male threads only. Threads shall be full-cut and not more than three threads on the pipe remain exposed. Caulking of threaded joints to stop or prevent leaks will not be permitted. Unions shall be provided where required for disconnection of exposed piping. Unions will be permitted where access is possible.

3. Solvent-Welded Joints: shall be made in accordance with the manufacturer's recommendations. However, the following directions are considered minimum standards:

   All fittings shall fit easily on the pipe before applying cement. The outer surface area of pipe and inner wall of fitting shall be clean and dry. Thinner is to be applied to the outer surface of the pipe and to the inner surface of the fittings. Cement is to be applied to the outer surface of the pipe, or on the male section of fitting only. When the outside surface area of the pipe end is satisfactorily covered with cement, allow ten (10) seconds open time to elapse before inserting pipe into fittings, turning fitting about the pipe

end approximately 1/8 to 1/4 of a turn. Wipe off excess cement at the joint in a neat cover bead. Use only approved cement and thinner for making joints. All joints shall remain completely undisturbed for a minimum of ten (10) minutes from time of joining the pipe and fitting. If necessary to apply pressure to a newly made joint, limit of ten (10%) percent of rated pipe pressure, four (4) hours after joining, for the first twenty-four (24) hours after the joint has been made.

Carefully handle all pipe and move as little as possible so that the cement seal shall not be broken before it is completely dry and for a time of at least twenty-four (24) hours. Full working pressure shall not be applied until the joints have set for a twenty-four (24) hour period.

Installation made during hot weather shall provide for expansion by snaking in ditch or running line on open discharge until it contracts to operating length.

Protect plastic pipe from exposure to aromatic hydrocarbons, halogenated hydrocarbons and most of esters and ketones that attack the material. Protect all pipe from mechanical damage and long exposure to sunlight during storage.

Make threaded pipe joints with Permatex #2 compound or approved equal, applied sparingly to the male threads only.

All connections between PVC and metal pipes must be flanged, plastic flange to metal flange. DO NOT use threaded connections between plastic and metal pipe, except where specifically noted otherwise and in which case the PVC pipe shall be Class 200 weight regardless of size. Female threaded fittings shall be reinforced.

F. FLUSHING

All pipe lines leading to the pool shall be thoroughly flushed clean before the pool is filled and placed in use.

3.9 START-UP AND ENGINEERING SERVICES

The Pool Contractor shall supply the services of an experienced swimming pool operator instructor for a period of not less than three (3) days after the pool has been filled and initially placed in operation. During this period, the Owner's designated representative shall be thoroughly instructed in all phased of the pool's operation. The Pool Contractor shall deliver three (3) complete sets of operating and maintenance instruction for the swimming pool structure, finishes, and all component equipment. Prior to this instructor leaving the job, he shall obtain written certification from the Owner's designated representative acknowledging that the instruction period has been completed and all necessary operating information provided. The pool contractor shall maintain and operate the pool providing all necessary materials and

chemicals until the Pool Contractor acquires an Arkansas Department of Health operating permit for all pools. Pool Contractor shall, in his contract, include the cost of three (3) more days of instruction and operational check-out by a qualified representative of the contractor during the

first season's operation. Written reports of each of these visits outlining the pool's operation, competence and performance of the pool's operating personnel and other pertinent comments shall be submitted to the Owner within one (1) week after each visit.

3.10 TESTING

The Pool Contractor shall be responsible for the following test procedures:

A. Shotcrete Compressive Strength: See specification 03360 - Shotcrete

B. Piping: All pool recirculation system piping is to be tested at a pressure no less than 25 psi and shall hold pressure for 24 hrs without any addition of air. Piping shall be held under pressure during concrete pours.

C. Construction Tolerances:
1. Pool Depth - plus two (2") inches, minus one half (1/2") inch.
2. Vertical Wall - plus or minus one-half (1/2") inch in three (3') foot vertical dimension.
3. Competition Pool Between Walls – plus ½", minus 1/8".

3.11 WARRANTIES

The following warrantees shall apply to all work of this Section:

A. One (1) Year Contractual Warrantee:

1. The Pool Contractor warrants that all materials used in completing the installation contracted for are new and of high quality; that all work has been done in a competent and workmanlike manner; that if any substantial defect occurs in the workmanship or materials it will be remedied without cost to the Owner if written notice thereof is given to the Pool Contractor within one (1) year after the performance of such work and within thirty (30) days of evidence of the defect. Assemblies or units (such as heaters, pumps and motors, etc) and standard fittings or accessories purchased by the Pool Contractor for use in this installation are subject only to the extent of the manufacturer's warrantee. The foregoing agreement in respect to warrantees is in lieu of all other warrantees or guarantees, expressed, implied or statutory except Extended Warrantees, if called for in the detailed pool specifications.

2. It is specifically understood and agreed that no claims may be filed under this warrantee or the Extended Warrantees, and no obligation to make adjustment thereto will accrue until full indebtedness of the Owner/General Contractor to this contractor is paid.

B. Warranties

1. CONCRETE STRUCTURE

a. The Pool Contractor shall warrantee for two (2) years repair of the

concrete pool structure covering any defects, cracks and/or leaking in the concrete pool shell caused by defective workmanship or material, exclusive of damages due to subsurface hydrostatic conditions, provided the pool is kept full of water at all times except for required cleaning and that during such cleaning the pool does not remain entirely empty for more than a forty-eight (48) hour period.

b. This warrantee is void if the pool is not serviced by the Pool Contractor, or by others, in strict compliance with standard operating and maintenance procedures as detailed in the instructions furnished to the Owner by the Pool Contractor.

2. RECIRCULATION SYSTEM

a. The Pool Contractor shall warrant repair of any defective material or materials not caused by deliberate or abusive action by person(s) not employed by the Pool Contractor or attributable to normal wear and usage.

This warrantee shall remain in force for two (2) years from the date of installation. It is also understood that the entire system must be continuously maintained according to service procedures and directions issued by the manufacturer and that this warrantee does not cover damage to the system or its components caused by corrosive or improper water treatment procedures implemented by persons other than those employed by the Pool Contractor.

b. This warrantee does not cover filter media, elements, pumps, motors or other mechanical equipment furnished by third parties.

3. FILTRATION SYSTEM

The filtration system shall be warranted from defects for a period of five (5) years by manufacturer's standard warranty.

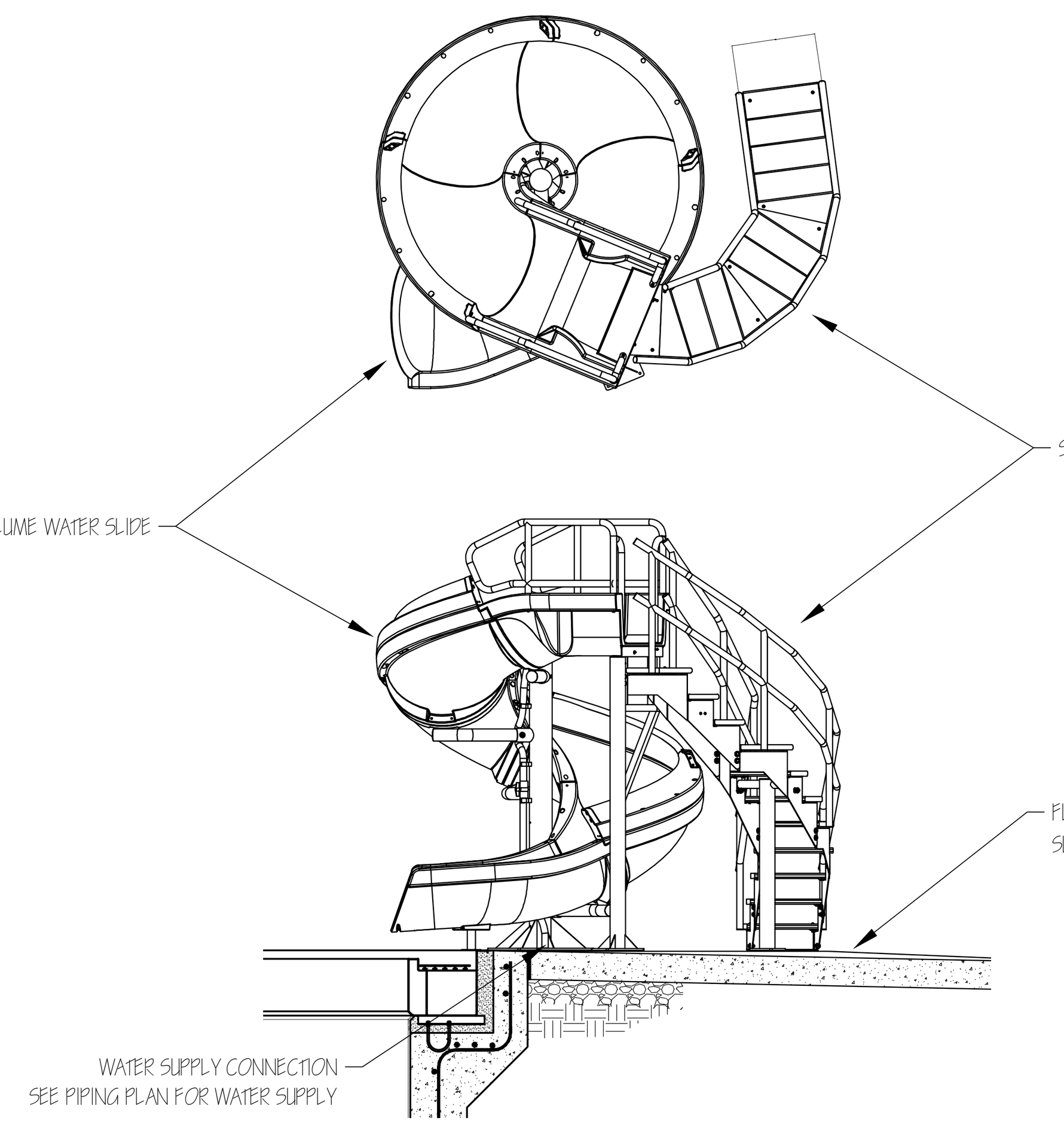
3.12 PERIOD OF TIME

Period of time of guarantees, warrantees and/or maintenance bonds, notwithstanding anything contrary in Contract Documents, shall commence with and include date of substantial completion as per the General Conditions section of this specification.

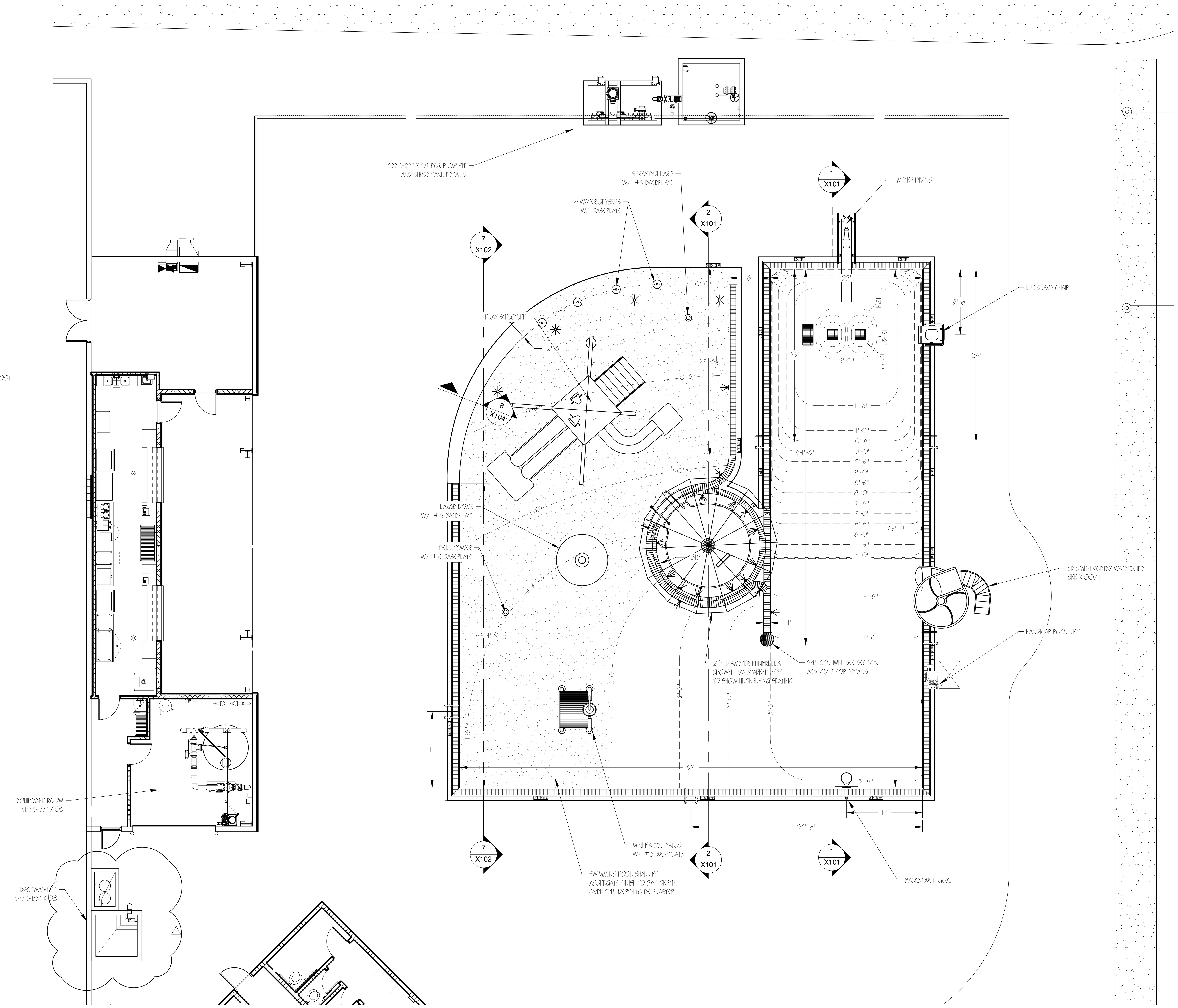
END OF SECTION

NOTE:

A POOL AREA BOND GRID SHALL FULLY COMPLY WITH ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE. ALL METAL ITEMS WITHIN THE POOL AREA SUCH AS LADDER SOCKETS, STANCHION SOCKETS, HANDRAIL SOCKETS, METAL MAIN DRAINS, DECK REINFORCING, POOL REINFORCING, LIGHT NICHES, PUMPS, FIILTERS AND ANY METAL EQUIPMENT THAT CONTACTS POOL WATER SHALL BE INCLUDED.



1 WATERSLIDE
SCALE: 3/8" = 1'-0"



2 OUTDOOR POOL AREA PLAN
SCALE: 1/8" = 1'-0"

POOL SPECIFICATIONS

AREA:	4,475 SF
PERIMETER:	272 FT
DEPTH:	0'-0" TO 12'-3"
VOLUME:	120,948 GALLONS
TURNOVER:	4.7 HR
MINIMUM FLOW RATE:	425 GPM

n

overall pool plan

SCALE: 1/16" = 1'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

BRACKETT KRENNERICH architects
100 East Huntington Ave. Suite D P.O. Box 1655
870-932-0571 Fax 870-932-0975
www.bkarchts.com

Revision Schedule

Tag	Rev. Description	Rev. Date	Issued by

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9529 WILLIAM RAY ANDREWS

Commission Number 2301

AQ100

Date: August 4, 2023

OVERALL POOL PLAN

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

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

3 WALL INLET DETAIL
SCALE: 11/ 2" = 1'-0"

BEARING AREA OF BLOCK IN SQ. FT.					
FITTING SIZES	TEE AND END	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6"	3.6	5.4	2.5	1.5	0.8
8"	6.3	8.9	4.8	2.5	1.3
10"	9.9	13.9	7.6	3.9	2.0
12"	14.2	20.0	10.9	5.6	2.8

4 THRUST BLOCKING DETAILS
SCALE: N.T.S.

NOTE:

A POOL AREA BOND GRID SHALL FULLY COMPLY WITH ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE. ALL METAL ITEMS WITHIN THE POOL AREA SUCH AS LADDER SOCKETS, STANCHION SOCKETS, HANDRAIL SOCKETS, METAL MAIN DRAINS, DECK REINFORCING, POOL REINFORCING, LIGHT NICHES, PUMPS, FILTERS AND ANY METAL EQUIPMENT THAT CONTACTS POOL WATER SHALL BE INCLUDED.

NOTES:
1. ALL PLAY FEATURE PIPING TO SLOPE TO PUMP PIT ¼" PER FOOT MINIMUM.
2. GUTTER DRAIN PIPING TO SLOPE TO SURGE TANK ¼" PER FOOT MINIMUM.
3. FLEXIBLE PVC TO ONLY BE USED WHEN FULLY ENCASED IN CONCRETE
4. LOCATE PLAY STRUCTURE SUPPLY PER MANUFACTURER DIRECTIONS
5. ALL UNDERGROUND FITTINGS TO BE THRUSTBLOCKED PER X105 / 4.

5 POOL PIPING PLAN
SCALE: 1/ 8" = 1'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO

Jonesboro, Arkansas

BRACKETT KRENNERICH architects
100 East Huntington Ave. Suite D P.O. Box 1655 870-932-0571 Fax 870-932-0975 www.bkarchs.com

Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by
1	Addendum #1	08/18/2023	

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9529
WILLIAM RAY ANDREWS
8/18/2023

Commission Number 2301

AQ103

Date: August 4, 2023

UNDERGROUND PIPING

NOTE:

A POOL AREA BOND GRID SHALL FULLY COMPLY WITH ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE. ALL METAL ITEMS WITHIN THE POOL AREA SUCH AS LADDER SOCKETS, STANCHION SOCKETS, HANDRAIL SOCKETS, METAL MAIN DRAINS, DECK REINFORCING, POOL REINFORCING, LIGHT NICHES, PUMPS, FILTERS AND ANY METAL EQUIPMENT THAT CONTACTS POOL WATER SHALL BE INCLUDED.

1 PUMP BASE SECTION
SCALE: 1 1/2" = 1'-0"

2 PUMP BASE PLAN
SCALE: 3/4" = 1'-0"

3 POOL CONTROLS / ACID PUMP
SCALE: 1 1/2" = 1'-0"

4 BACKWASH PIT / ACID STORAGE SECTION
SCALE: 1 1/2" = 1'-0"

5 BACKWASH PIT / ACID STORAGE SECTION
SCALE: 1 1/2" = 1'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

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Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by
1	Addendum #1	08.18.23	BK

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9524
WILLIAM RAY ANDREWS
08/18/2023

Commission Number
2301

AQ108

Date: August 4, 2023

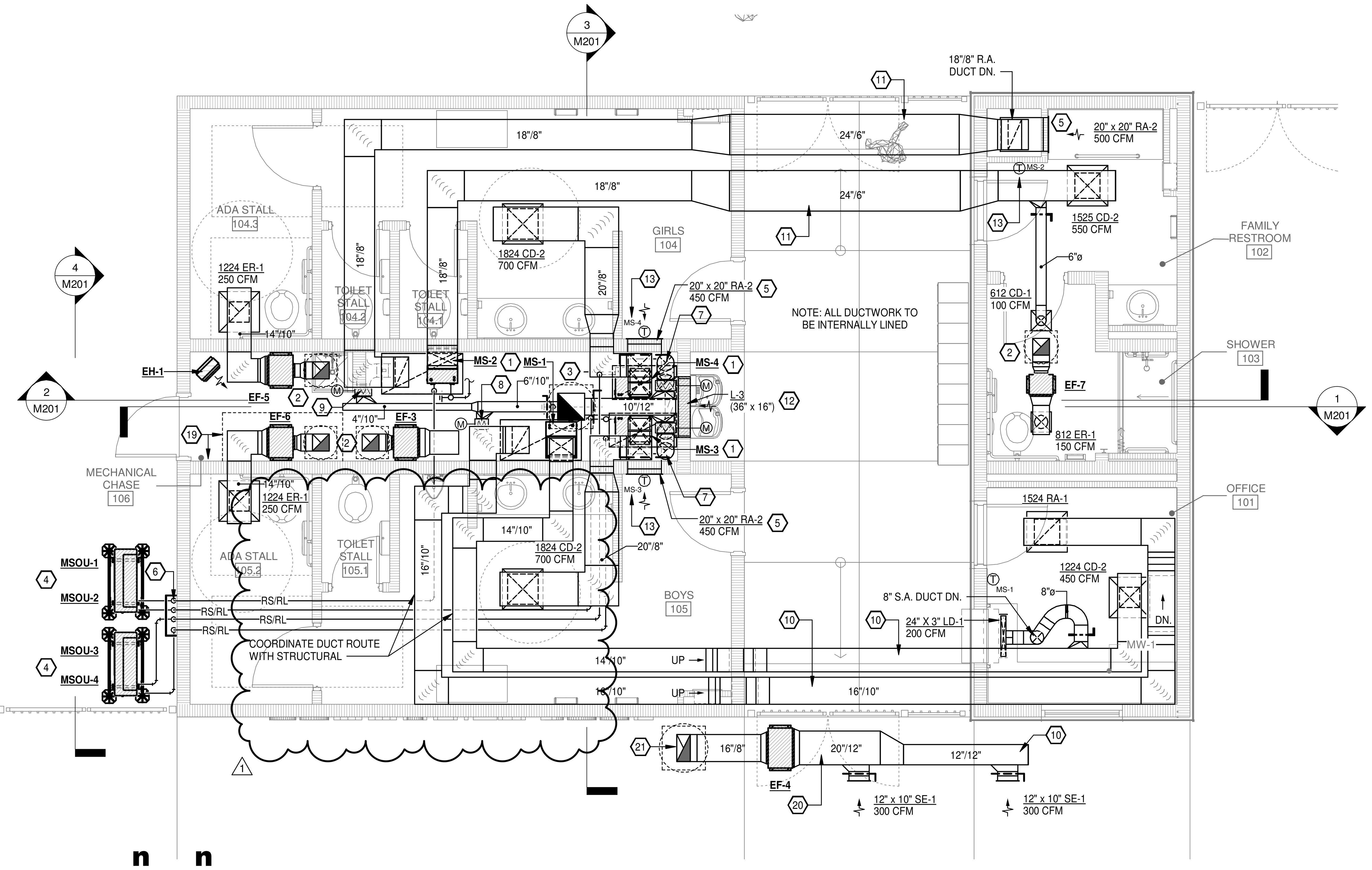
EQUIPMENT DETAILS 2

HVAC GENERAL NOTES

1. ALL LIGHTER SOLID LINES REPRESENT PIPING, DUCTWORK, EQUIPMENT, ETC. TO REMAIN.
2. ALL DARKER SOLID LINES REPRESENT NEW PIPING, DUCTWORK, EQUIPMENT, ETC.
3. FIELD VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING ITEMS SHOWN ON THIS PLAN THAT ARE TO BE CONNECTED TO.

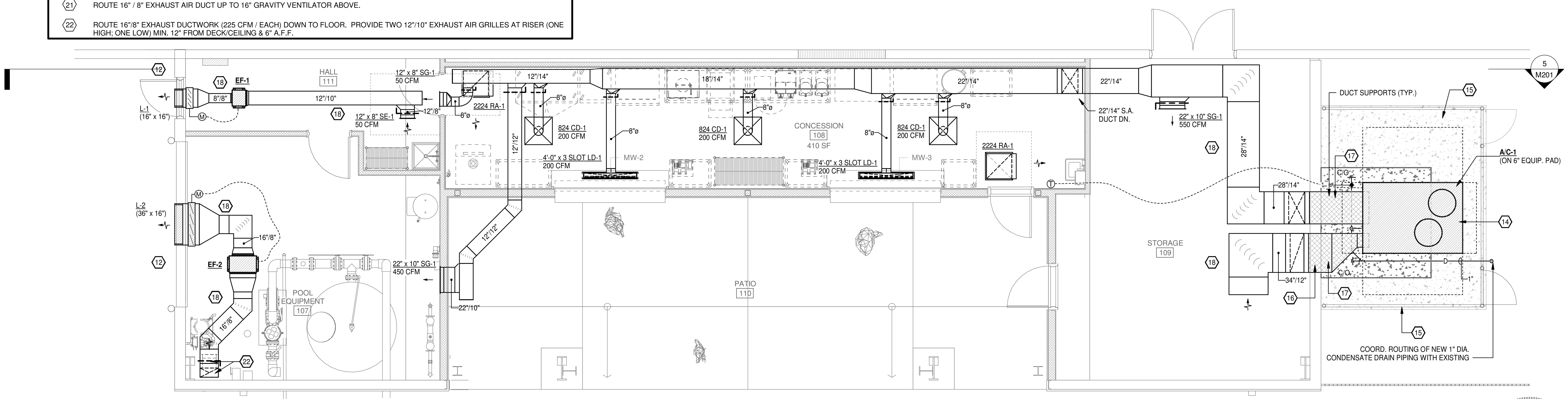
HVAC KEYED NOTES - M101

1. MINI SPLIT AIR HANDLER (MS-1, 2, 3, & 4) ON RETURN AIR PLENUM. CONTRACTOR TO COORD. LOCATION OF UNITS WITHIN MECHANICAL ROOM AND DUCT ROUTING TO ABIDE BY ALL MANUF. SERVICE CLEARANCES / INSTALLATION INSTRUCTIONS AND LOCAL REGULATIONS. ROUTE FULL SIZE CONDENSATE DRAIN PIPING FROM AIR HANDLER TO NEAREST FLOOR DRAIN.
2. ROUTE 8" / 8" EXHAUST AIR DUCT UP TO GRAVITY VENTILATOR (GV-1, 2, 3, & 4) ON ROOF.
3. ROUTE 16" / 16" OUTSIDE AIR DUCT UP TO GRAVITY VENTILATOR (GV-5) ON ROOF.
4. MINI SPLIT OUTDOOR UNIT (MSOU-1, 2, 3, 4) ON FACTORY MAUFACTURED SUPPORT STAND. CONTRACTOR TO FOLLOW ALL MANUF. INSTALLATIONS INSTRUCTIONS AND COORD. LOCATION OF OUTDOOR UNITS WITH ARCHITECT. COORD. WITH ELECTRICAL CONTRACTOR FOR LOCATION OF UNIT'S DISCONNECT AND MAINTAIN ALL SERVICE CLEARANCES.
5. RETURN AIR DEVICE MOUNTED LOW IN WALL. COORDINATE HEIGHT OF AIR DEVICE IN WALL WITH ARCHITECT.
6. ROUTE REFRIGERANT PIPING (RS/RL) FROM OUTDOOR UNIT (MSOU-1, 2, 3, 4) UP THROUGH SOFFIT AND CONTINUE ROUTING IN ATTIC SPACE TO INDOOR AIR HANDLER (MS-1, 2, 3, & 4). SECURE PIPING TIGHT TO WALL AND COVER WITH SHEET METAL SHROUD PAINTED TO MATCH EXTERIOR. CONTRACTOR TO PLUG, SEAL, AND INSULATE ALL PIPING PENTRATIONS
7. ROUTE 10" DIA. OUTSIDE AIR DUCTS DOWN TO RETURN AIR PLENUM OF INDOOR AIR HANDLER (MS-3 & MS-4). CONTRACTOR TO PROVIDE MOTORIZED DAMPERS AT EACH 10" TAKE-OFF AND INTERLOCK WITH AIR HANDLER. COORDINATE ROUTING OF DUCT WITH INTAKE LOUVER L-3 AND MOTORIZED DAMPER IN WALL.
8. ROUTE 6" DIA. OUTSIDE AIR DUCT TO RETRUN AIR DOWN TO RETURN AIR PLENUM. CONTRACTOR TO PROVIDE MOTORIZED DAMPER AT TAKE-OFF AND INTERLOCK WITH AIR HANDELR (MS-1)
9. ROUTE 8" DIA. OUTSIDE AIR DUCT TO RETRUN AIR DOWN TO RETURN AIR PLENUM. CONTRACTOR TO PROVIDE MOTORIZED DAMPER AT TAKE-OFF AND INTERLOCK WITH AIR HANDELR (MS-2)
10. ROUTE DUCTWORK TIGHT TO STRUCTURE IN THIS AREA TO MAXIMIZE HEAD ROOM IN ATTIC SPACE.
11. COORD. ROUTING OF DUCTWORK BETWEEN JOIST IN THIS AREA.
12. CONTRACTOR TO COORD. LOCATION AND HEIGHT OF LOUVER IN WALL WITH ARCHITECT.
13. CONTRACTOR TO PROVIDE CLEAR LOCKABLE THERMOSTAT COVER.
14. NEW PACKAGE UNIT (A/C-1) ON EXISTING EQUIPMENT PAD. CONTRACTOR TO COORD. LOCATION OF WITH EXISTING EQUIPMENT PAD AND ALL DUCTWORK TO ABIDE BY ALL MANUF. SERVICE CLEARANCES / INSTALLATION INSTRUCTIONS AND LOCAL REGULATIONS.
15. CONTRACTOR TO EXTEND EXISTING EQUIPMENT PAD AND CHAIN LINK ENCLOSURE TO ACCOMMODATE NEW PACKAGE UNIT'S (A/C-1) SERVICE CLEARANCE.
16. CONTRACTOR TO ROUTE NEW DUCTWORK THROUGH EXISTING WALL PENETRATIONS. COORD. BOTH SIZE AND LOCATION OF EXIST. OPENINGS; ENLARGE AS REQUIRED. COORD. BOTH SIZE AND LOCATION OF DUCT PENETRATIONS WITH ARCHITECT. HOLD DUCTWORK TIGHT TO STRUCTURE.
17. EXPOSED DUCT SHALL BE INSULATED AND FINISHED WITH ALUMAGUARD WEATHERPROOF JACKET. SLOPE TOP OF DUCT AT ALL HORIZONTAL RUNS TO PREVENT WATER PONDING. SEE ARCHITECT FOR COLOR OF OUTER JACKET.
18. EXPOSED DUCTWORK TO BE INTERNALLY LINED WITH PAINT GRIP FINISH. PAINT EXPOSED DUCTWORK AND AIR DEVICES AS DIRECTED BY ARCHITECT.
19. MECHANICAL CONTRACTOR TO COORD. ROUTING OF DUCTWORK ABOVE ELECTRICAL PANEL WITH ELECTRICAL CONTRACTOR. CONTRACTOR TO PROVIDE DRIP PAN BENEATH FAN AND DUCTWORK. ROUTE DRIP PAN DRAIN TO NEAREST FLOOR DRAIN.
20. EXHAUST FAN (EF-4) AND ALL ASSOCIATED DUCTWORK AND AIR DEVICES LOCATED IN ATTIC SPACE. COORD. ROUTING OF DUCTWORK WITH ELECTRICAL CONTRACTOR AND LIGHTING FIXTURES IN AREA.
21. ROUTE 16" / 8" EXHAUST AIR DUCT UP TO 16" GRAVITY VENTILATOR ABOVE.
22. ROUTE 16"/8" EXHAUST DUCTWORK (225 CFM / EACH) DOWN TO FLOOR. PROVIDE TWO 12"/10" EXHAUST AIR GRILLES AT RISER (ONE HIGH; ONE LOW) MIN. 12" FROM DECK/CEILING & 6" A.F.F.



RESTROOM AND OFFICE FLOOR PLAN - HVAC

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



CONCESSION AND EQUIPMENT FLOOR PLAN - HVAC

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

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East Huntington Ave. Suite D P.O. Box 1655 870-932-0571 Fax 870-932-0975 www.bkarchts.com

Revision Schedule

Tag	Rev. Description	Rev. Date	Issued by
1	ADDENDUM 1	8.18.23	

CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

Commission Number 2301

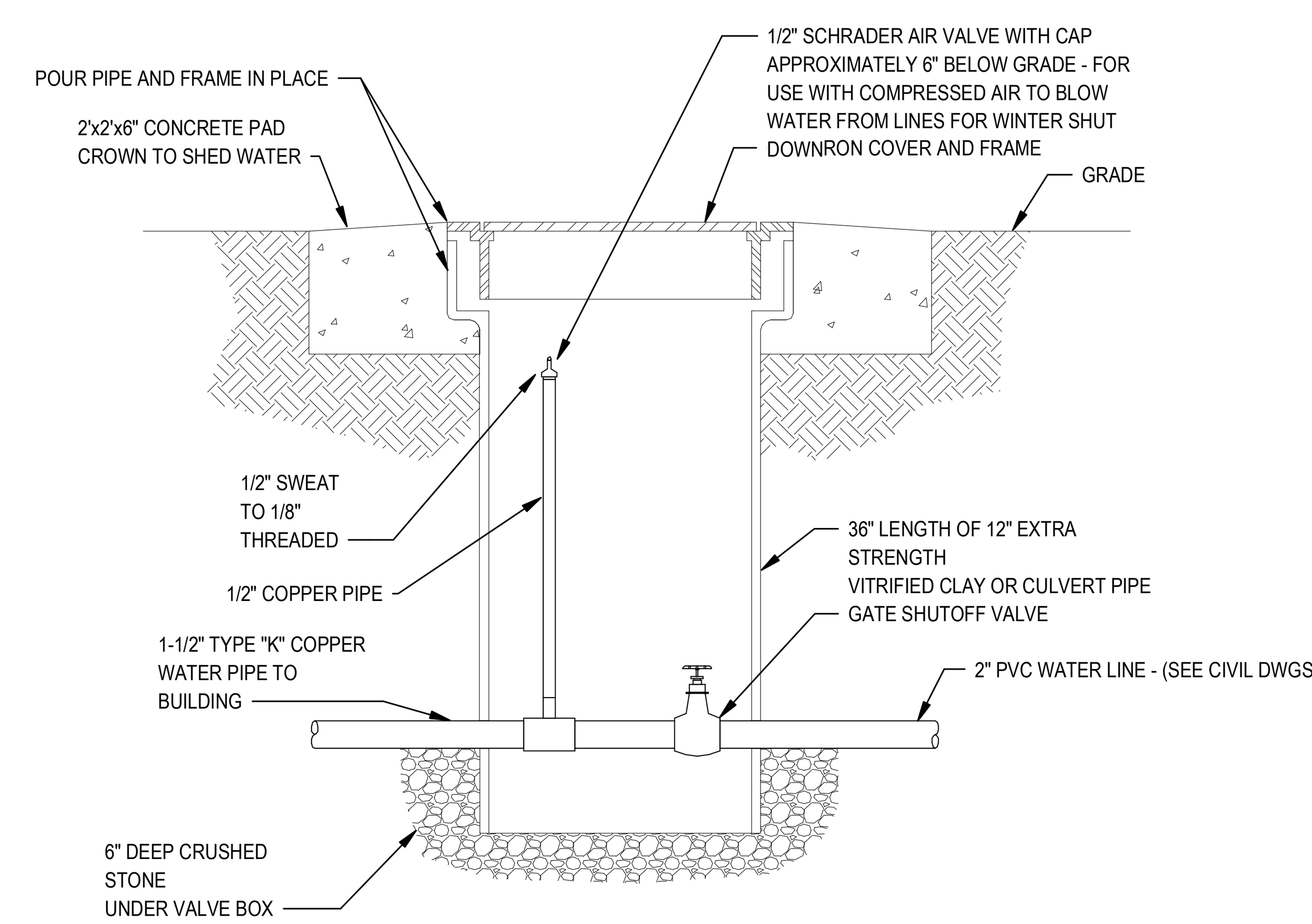
M101

Date: August 4, 2023

FLOOR PLANS - HVAC

PLUMBING DEDUCTIVE ALTERNATE

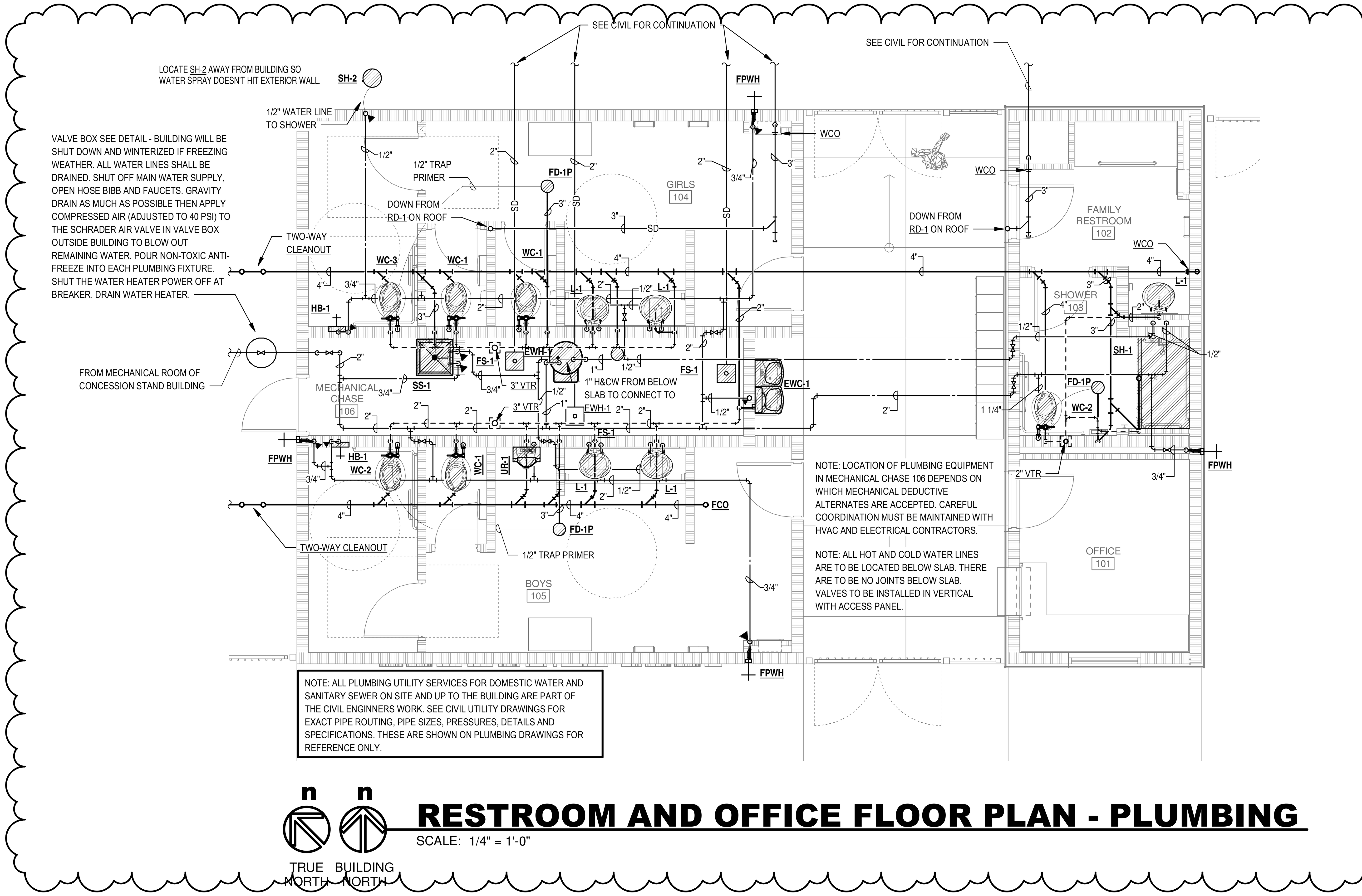
1. REMOVE WINTERIZATION DRAIN VALVE.
2. REMOVE (2) FLOOR DRAINS IN MECHANICAL CHASE 106. ONE NEXT TO EWC-1 AND ONE NEXT TO EWH-1. SEE M1.02 HVAC DEDUCTIVE ALTERNATE TO COORDINATE LOCATIONS OF DRAINS.



VALVE BOX DETAIL

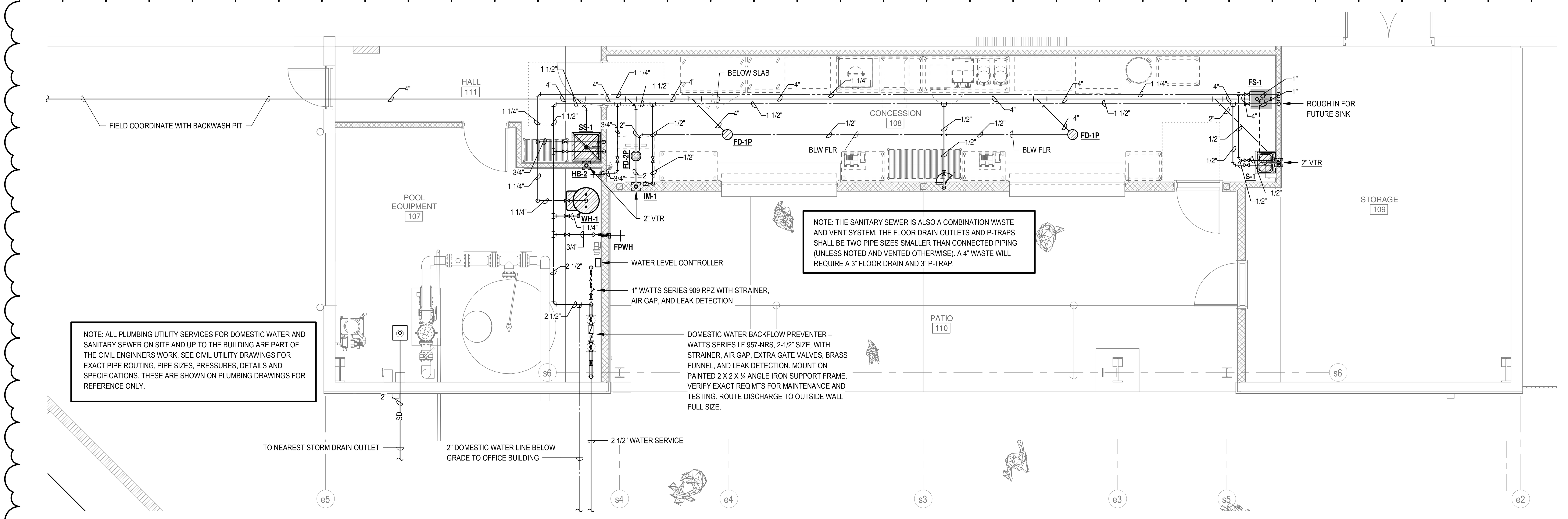
SCALE: NONE

NOTE: TO DRAIN BUILDING FOR WINTER SHUT-DOWN



RESTROOM AND OFFICE FLOOR PLAN - PLUMBING

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



CONCESSION AND EQUIPMENT FLOOR PLAN - PLUMBING

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

PARKER PARK COMMUNITY CENTER POOL ADDITION
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Date: August 4, 2023

FLOOR PLANS - PLUMBING

PLUMBING FIXTURE SCHEDULE

TYPE MARK	- MANUFACTURER -	- MODEL -	- DESCRIPTION -	- ADA COMPLIANT -	- TRIM -	- SUPPLIES -	- TRAP -	- SUPPORT -	- REMARKS -
EWC-1	OASIS INTERNATIONAL	PGV8FEBFSL	VERSACOOLER II (WITH VERSAFILTER SYSTEM) SPLIT LEVEL SHALL DELIVER 8 GALLONS OF 50 DEGREE F WATER AT 80 DEGREE IN LET WATER AND 90 DEGREE F AMBIENT. BUBBLERS SHALL BE CHROME-PLATED BRASS (OR STAINLESS STEEL) AND BUILT IN REGULATOR TO DELIVER SMOOTH READY STREAM AT SUPPLY PRESSURES FROM 20 TO 125 PSI. MODEL SHALL INCLUDE PG8AC AND 'VERSAFILLER' SPORTS BOTTLE FILLER WITH HANDS FREE ACTIVATION. COOLER TOP SHALL BE 304 STAINLESS STEEL WITH ANTI-SPLASH DESIGN. COOLER FRAME SHALL BE 16-GAGE WELDED STEEL AND PRIME COATED FOR CORROSION PROTECTION. CABINET FINISH SHALL BE BRUSHED STAINLESS STEEL. WATER COOLER SHALL HAVE 5-YEAR WARRANTY ON SEALED REFRIGERATION SYSTEM AND MOST COMPONENT PARTS.	YES	MCGUIRE LFST17K	MCGUIRE H-ST12LK HEAVY CAST BRASS STRAIGHT STOP WITH LOOSE KEY HANDLE, 1/2 INCH SIZE.	MCGUIRE 8088	ZURN Z-1225-BL 'RIGID PLATE SYSTEM' HAVING STEEL UPRIGHTS WITH SUPPORT PLATES, AND BEARING JACKS MOUNTED ON ADJUSTABLE HEADER.	
L-1	KOHLER	K-2211	CAXTON® UNDERMOUNT LAVATORY, 19 INCH BY 15 INCH SIZE, VITREOUS CHINA, OVAL BASIN, FRONT OVERFLOW.	YES	T&S BRASS MODEL B-2711-VF05 DECK MOUNTED SINGLE LEVER FAUCET, CHROME PLATED BRASS BODY WITH INTEGRAL SPOUT, B-0199-BF05 0.4 GPM VANDAL RESISTANT AERATOR, CERAMIC CARTRIDGE WITH ADJUSTABLE TEMPERATURE LIMIT STOP, MCGUIRE 155-A DRAIN WITH PERFORATED STRAINER AND 1-1/4 INCH TAILPIECE, ACORN ST-70 THERMOSTATIC MIXING VALVE. 105° F TEMPERED WATER TO BE DELIVERED TO HW SIDE OF FAUCET.	MCGUIRE H2167LK 1/2 INCH IPS HEAVY CAST BRASS ANGLE STOP, LOOSE KEY HANDLE, ANNEALED VERTICAL TUBE, CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON, CHROME PLATED BRASS NIPPLE TO WALL.	MCGUIRE 8872 (1-1/4 INCH) POLISHED CHROME PLATED CAST BRASS ADJUSTABLE 'P' TRAP WITH CLEANOUT AND 17-GAGE TUBING TO WALL WITH CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON.	COUNTER MOUNTED	NOTE: ALL EXPOSED SUPPLY (HOT AND COLD WATER) AND DRAIN PIPING SHALL BE INSULATED TO MEET ADA REQUIREMENTS. P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE COVERED WITH MOLDED, ANTI-MICROBIAL TRUEBRO, INC. 'LAV-GUARD' MODEL #102 (VERIFY EXACT MODEL REQUIRED). COLOR GREY. COVER SHALL BE SECURED WITH SNAP-CLIPS. ANGLE STOPS SHALL HAVE LOCK-LID ACCESS COVERS.
S-1	ADVANCE TABCO	7-PS-50	WALL MOUNTED, ALL STAINLESS STEEL, COMPLETE WITH K-59 SPLASH MOUNTED FAUCET, K-6 STAINLESS STEEL BASKET DRAIN, K-26 LEVER OPERATED DRAIN, 7-PS-14 P-TRAP.	YES	ADVANCE TABCO K-59 SPLASH MOUNTED, 4 INCH GOOSENECK FAUCET	MCGUIRE H2167LK 1/2 INCH IPS HEAVY CAST BRASS ANGLE STOP, LOOSE KEY HANDLE, ANNEALED VERTICAL TUBE, CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON, C.P. BRASS NIPPLE TO WALL.	ADVANCE TABCO 7-PS-14	WALL MOUNTED. PROVIDE AND INSTALL MANUFACTURER RECOMMENDED WALL BRACKET.	
SH-1	SYMMONS	S-9605-PLR	SITE BUILT SHOWER - SEE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL SYMMONS ORIGINS SHOWER SYSTEM WITH PRESSURE BALANCING SHOWER VALVE, ADJUSTABLE STOP SCREW, INTEGRAL VOLUME CONTROL, 1.5 GPM FLOW RESTRICTOR, VANDAL RESISTANT, INTEGRAL SERVICE STOPS, POLISHED CHROME, ADA GRAB BAR, 60 INCH METAL HOSE. AQUATIC SHOWER BASE F6034BTRPAN, ACRYLX 60x34 ADA COMPLIANT SHOWER BASE, TRENCH DRAIN.	YES	ZURN ZN-415BZ1-VP CAST IRON DRAIN, 8" POLISHED NICKEL BRONZE "TYPE B" STRAINER, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS.	INTEGRAL			
SH-2	BRADLEY	COL-4B	BRADLEY MODEL COL-4B, COLUMN BEACH SHOWER, 4 PERSON, TYPE 304 STAINLESS STEEL. 1.5 GPM FLOW, VANDAL PROOF ACCESS PANEL. 6'-0 STANDARD HEIGHT. AIR PUSHBUTTON. NO COLUMN DRAIN. WITH SUPPLY STOPS.	YES		INTEGRAL			
SS-1	STERN WILLIAMS	SB-900	'SERVICEPTOR' MOP SINK, 24 INCH X 24 INCH X 12 INCH, PRECAST TERRAZZO, WITH ONE PIECE STAINLESS STEEL CAST INTEGRAL CAP ON ALL FOUR SIDES AND INTEGRAL CAST BRASS DRAIN WITH S.S. STRAINER, 3 INCH OUTLET. PROVIDE 'T-40' MOP HANGER, 'T-35' HOSE, AND 'BP' STAINLESS STEEL BACK SPLASH PANELS.		T&S B-0665-BSTP FAUCET, POLISHED CHROME FINISH, INTEGRAL STOPS, TOP BRACE, LEVER HANDLES, VACUUM BREAKER, 8 INCH CENTERS.		CAST IRON 3 INCH SIZE, DEEP SEAL TYPE BELOW FLOOR.	FLOOR MOUNTED	
UR-1	KOHLER	K-4960-ET	BARDON™ URINAL WITH TOP SPUD, VITREOUS CHINA, WASH OUT WITH 3/4 INCH TOP SPUD, 2 INCH I.P.S. OUTLET CONNECTION.	YES	SLOAN 186-0.5-YB-YC "REGAL" EXPOSED FLUSH VALVE, NON-HOLD OPEN HANDLE, 1 INCH I.P.S. SCREWDRIVER ANGLE STOP, VACUUM BREAKER FLUSH CONNECTION, 1-1/2 INCH TOP SPUD, SWEAT SOLDER ADAPTOR, CAST WALL FLANGE WITH SET SCREW, SOLID RING PIPE SUPPORT AND 0.5 GALLON FLUSH CYCLE.		INTEGRAL WITH FIXTURE	ZURN Z-1222 'RIGID PLATE SYSTEM' HAVING STEEL UPRIGHTS WITH SUPPORT PLATES, AND BEARING JACKS ON ADJUSTABLE HEADERS.	
WC-1	KOHLER	K-96053	WELLCOMME' ULTRA, VITREOUS CHINA, SIPHON JET, 1.6 GPF, 12 INCH ROUGH IN, ELONGATED RIM, FLOOR MOUNTED, 1-1/2 INCH TOP SPUD BOWL, BOLT CAPS. OLSONITE 95-SS 'INDUSTRIAL' SEAT- FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT WITH CONCEALED CHECK HINGE, SELF-SUSTAINING FEATURE AND STAINLESS STEEL HINGE POST.	NO	SLOAN 111-1.6-YO "REGAL" EXPOSED FLUSH VALVE, ANGLE STOP, VACUUM BREAKER, 1-1/2" TOP SPUD - 1.6 GPF, WALL FLANGE, SET SCREW.		INTEGRAL WITH FIXTURE	FLOOR MOUNTED	
WC-2	KOHLER	K-96057	HIGHCLIFF' ULTRA, VITREOUS CHINA, SIPHON JET, 1.6 GPF, 12 INCH ROUGH IN, ELONGATED RIM, FLOOR MOUNTED, 1-1/2 INCH TOP SPUD BOWL, BOLT CAPS. OLSONITE 95-SS 'INDUSTRIAL' SEAT- FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT WITH CONCEALED CHECK HINGE, SELF-SUSTAINING FEATURE AND STAINLESS STEEL HINGE POST.	YES	SLOAN 111-1.6-YO "REGAL" EXPOSED FLUSH VALVE, ANGLE STOP, VACUUM BREAKER, 1-1/2 INCH TOP SPUD - 1.6 GPF, WALL FLANGE, SET SCREW.		INTEGRAL WITH FIXTURE	FLOOR MOUNTED	PROVIDE SLOAN MODEL VBF-72-A VACUUM BREAKER TRAP PRIMER ACCESSORY AS REQUIRED IN RESTROOMS WITH FLOOR DRAIN.
WC-3	KOHLER	K-96057	HIGHCLIFF' ULTRA, VITREOUS CHINA, SIPHON JET, 1.6 GPF, 12 INCH ROUGH IN, ELONGATED RIM, FLOOR MOUNTED, 1-1/2 INCH TOP SPUD BOWL, BOLT CAPS. OLSONITE 95-SS 'INDUSTRIAL' SEAT- FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT WITH CONCEALED CHECK HINGE, SELF-SUSTAINING FEATURE AND STAINLESS STEEL HINGE POST.	YES	SLOAN 111-1.6-C-I-YC-YK "REGAL" EXPOSED FLUSH VALVE, ANGLE STOP, VACUUM BREAKER, 1-1/2 INCH TOP SPUD - 1.6 GPF, WALL FLANGE, SET SCREW.		INTEGRAL WITH FIXTURE	FLOOR MOUNTED	PROVIDE SLOAN MODEL VBF-72-A VACUUM BREAKER TRAP PRIMER ACCESSORY AS REQUIRED IN RESTROOMS WITH FLOOR DRAIN.

EQUIPMENT (BY OTHERS) - ROUGH IN AND MAKE FINAL CONNECTIONS FOR EQUIPMENT AS INDICATED ON PLANS. FURNISH MCGUIRE, ZURN, ENGINEERED BRASS CO, OR KOHLER STRAIGHT STOP, (1/2" IPS) OR FEMALE INLET AND OUTLET AND POLISHED CHROMIUM PLATED CAST BRASS, MCGUIRE HEAVY-DUTY (1 1/4" OR 1 1/2") P-TRAP WITH CLEANOUT AND OTHER TRIM AS INDICATED ON PLANS. ALL EXPOSED PIPING SHALL BE CHROME PLATED AND ESCUTCHEONS SHALL BE C.P. CAST BRASS SET SCREW TYPE.

1

PLUMBING SPECIALTIES

TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	COMMENTS
FCO	ZURN	ZN-1400-BP-VP	'LEVEL-TROL' GASKETED HUB OUTLET, THREADED ADUSTABLE HOUSING, BRONZE PLUG, STAINLESS STEEL TOP, VALDAL PROOF SCREWS	
FD-1P	ZURN	ZN-415B-P-VP	CAST IRON DRAIN, 7" POLISHED NICKEL BRONZE "TYPE B" STRAINER, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, 1/2" TRAP PRIMER CONNECTION.	
FD-2P	ZURN	ZN-415I-P	CAST IRON DRAIN, 7" POLISHED NICKEL BRONZE "TYPE I" STRAINER WITH RAISED FLANGE, 1/2" TRAP PRIMER CONNECTION.	
FPWH	ZURN	Z-1300	'ECOLOTROL' ANTI-SIPHON, NON-FREEZE, 3/4 INCH SIZE NICKEL BRONZE CASING AND ALL BRONZE INTERIOR PARTS AND NON TURNING OPERATING ROD WITH FREE FLOATING COMPRESSION CLOSURE VALVE, NICKEL BRONZE FACE, INTEGRAL BACKFLOW PREVENTER, UNION ELBOW INLET, WALL CLAMP AND KEY HANDLE. BOX FACE AND HINGED COVER SHALL BE NICKEL BRONZE COMPLETE WITH OPERATING KEY AND 'WATER' CAST ON COVER.	
FS-1	ZURN	ZN-1902-P-11-2-32	CAST IRON 12INCHX12INCHX10INCH SQUARE FLOOR SINK WITH 10 INCH SUMP, DEEP CAST IRON BODY AND SQUARE, LIGHT DUTY GRATE A.R.E. INTERIOR, ALUMINUM DOME STRAINER, AND 1/2 NICKEL BRONZE HINGED TOP. 1/2" TRAP PRIMER. VANDAL PROOF	
HB-1	WOODFORD MANUFACTURING COMPANY	B79	WALL HYDRANT, BOX TYPE, WITH ASSE 12052 HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER. 3/4 INCH INLET AND OUTLET. 360 DEGREE INLET ORIENTATION. POLISHED BRASS FINISH. LOOSE KEY.	
HB-2	WOODFORD	79	BACKFLOW PROTECTED WALL HYDRANT, AUTOMATIC DRAIN, BRASS VALVE BODY, LOOSE KEY HANDLE.	
IM-1	IPS CORPORATION	88158	GUY GRAY, 11 5/8 INCH X 9 1/2 INCH, 1/2 INCH X 1/4 INCH COMPRESSION ANGLE VALVE, STEEL CONSTRUCTION.	
RD-1	ZURN	Z100F	16" DIAMETER MAIN ROOF DRAIN. DURACOATED CAST IRON. UNDERDECK CLAMP	

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

BRACKETT KRENNERICH architects

100 East Huntington Ave. Suite D P.O. Box 1655 870-932-0571 Fax 870-932-0975 www.bkarchts.com

Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by
1	ADDENDUM 1	8.18.23	

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13166
JAMES A. PETTIT
8-4-23

CORPORATE REGISTRATION
PETTIT & PETTIT CONSULTING ENGINEERS, INC.
No. 78
ARKANSAS ENGINEER

Commission Number
2301

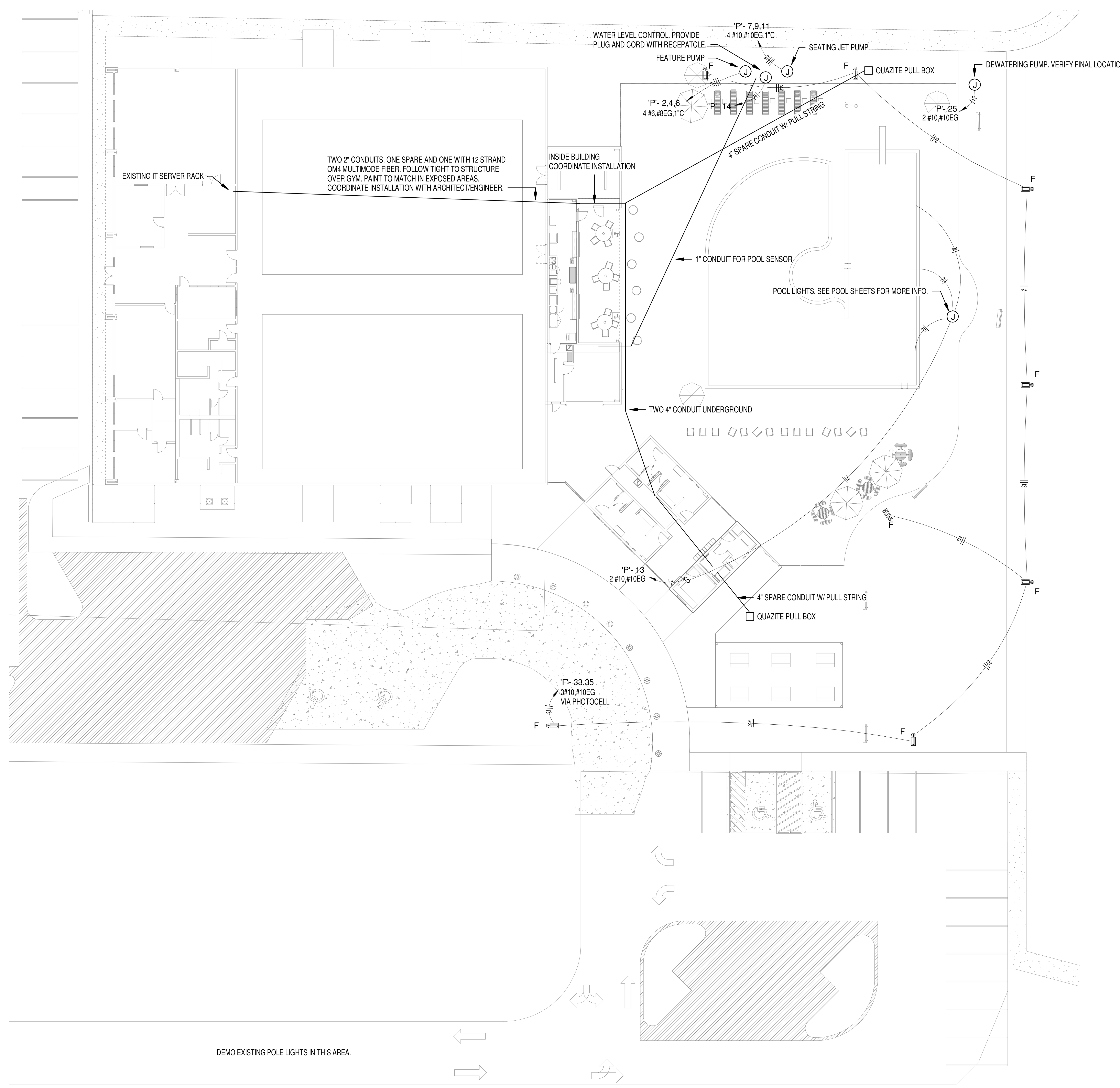
P401

Date: August 4, 2023

PLUMBING SCHEDULES

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2. CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUND. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
3. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER THW, THHN, THWN, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
4. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
5. PULL ALL THE CONDUCTORS THROUGH RACEWAY AT THE SAME TIME.
6. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. SEE SPECS FOR CONDUIT REQUIREMENTS. ALL CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
7. 6'-0" MAXIMUM LENGTH ON FLEXIBLE CONDUIT.
8. USE COMPRESSION FITTINGS ON CONDUIT, SET SCREW FITTINGS ARE NOT ALLOWED.
9. PROVIDE PULL STRING AND PROTECTIVE BUSHINGS IN ALL SPARE CONDUITS.
10. LABEL ALL CIRCUITS ON PANEL SCHEDULES.
11. TURN ALL UNUSED CIRCUIT BREAKERS TO OFF POSITION.
12. FIRE PROOF ALL PENETRATIONS MADE THROUGH FIRE RATED WALLS.
13. ALL DEVICES SHALL BE RATED 20 AMP MINIMUM, VERIFY COLOR WITH ARCHITECT.
14. CONNECT DEVICES BY WRAPPING WIRE AROUND SCREW TERMINAL IN A CLOCKWISE DIRECTION AND TIGHTEN SCREW, BACK-CONNECTED SPRING DEVICES ARE NOT ALLOWED.
15. ALL BOXES SHALL BE INDEPENDANTLY SUPPORTED TO THE BUILDINGS STRUCTURE.
16. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL ELEVATIONS AND MILLWORK DETAILS FOR EXACT LOCATIONS OF ALL WIRING DEVICES AND LIGHT FIXTURES.
17. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LAY-IN LIGHT FIXTURES.
18. THE SPECIFICATIONS ARE AS BINDING ON THE CONTRACTOR AS THE DRAWINGS. THE CONTRACTOR SHALL READ THE SPECIFICATIONS AND SHALL INCLUDE ALL ITEMS REQUIRED BY THE SPECIFICATIONS BEFORE SUBMITTING A BID.
19. ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT.
20. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTOR BEING INSTALLED.
21. PROVIDE TAMPER RESISTANT DEVICES AS REQUIRED BY CODE.



SITE PLAN - ELETRICAL

SCALE: 1" = 20'-0"

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO

Jonesboro, Arkansas

BRACKETT KRENNERICH architects

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Revision Schedule

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1	ADDENDUM 1	8.18.23	

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12363

CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

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Commission Number 2301

E000

Date: August 4, 2023

ELECTRICAL SITE

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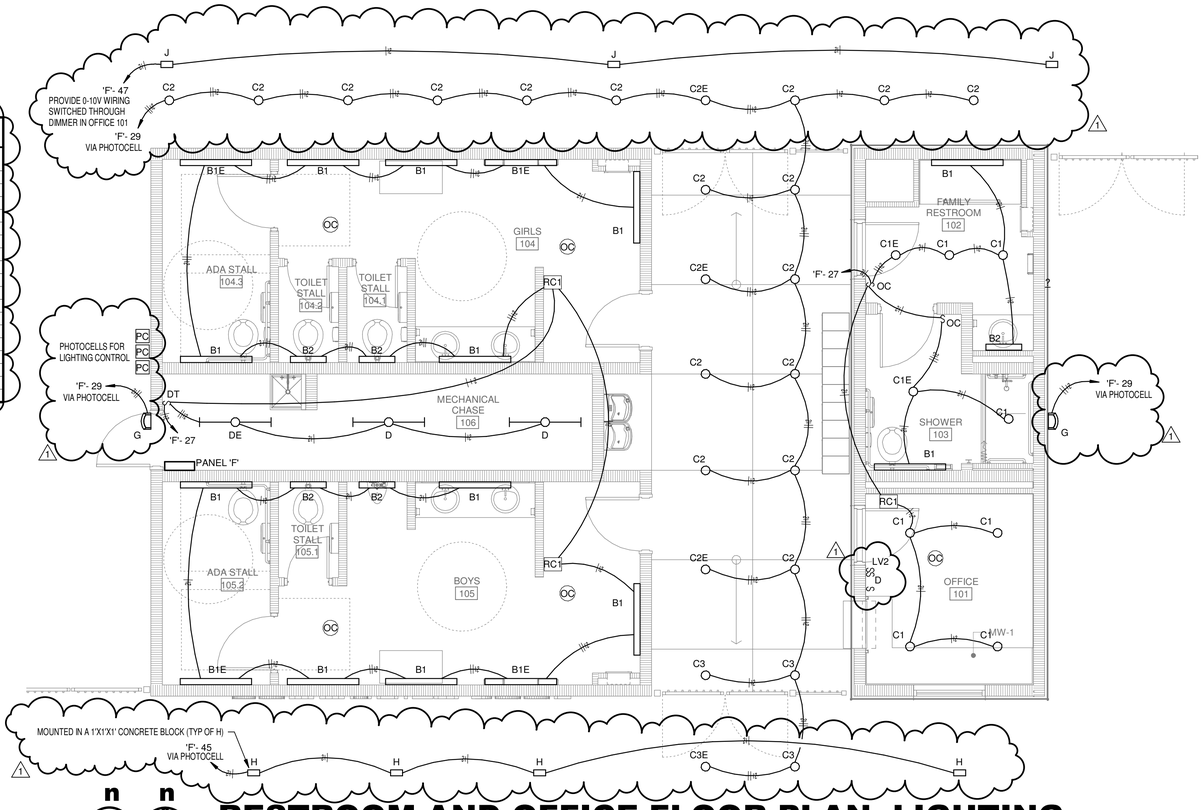
LIGHT FIXTURE SCHEDULE

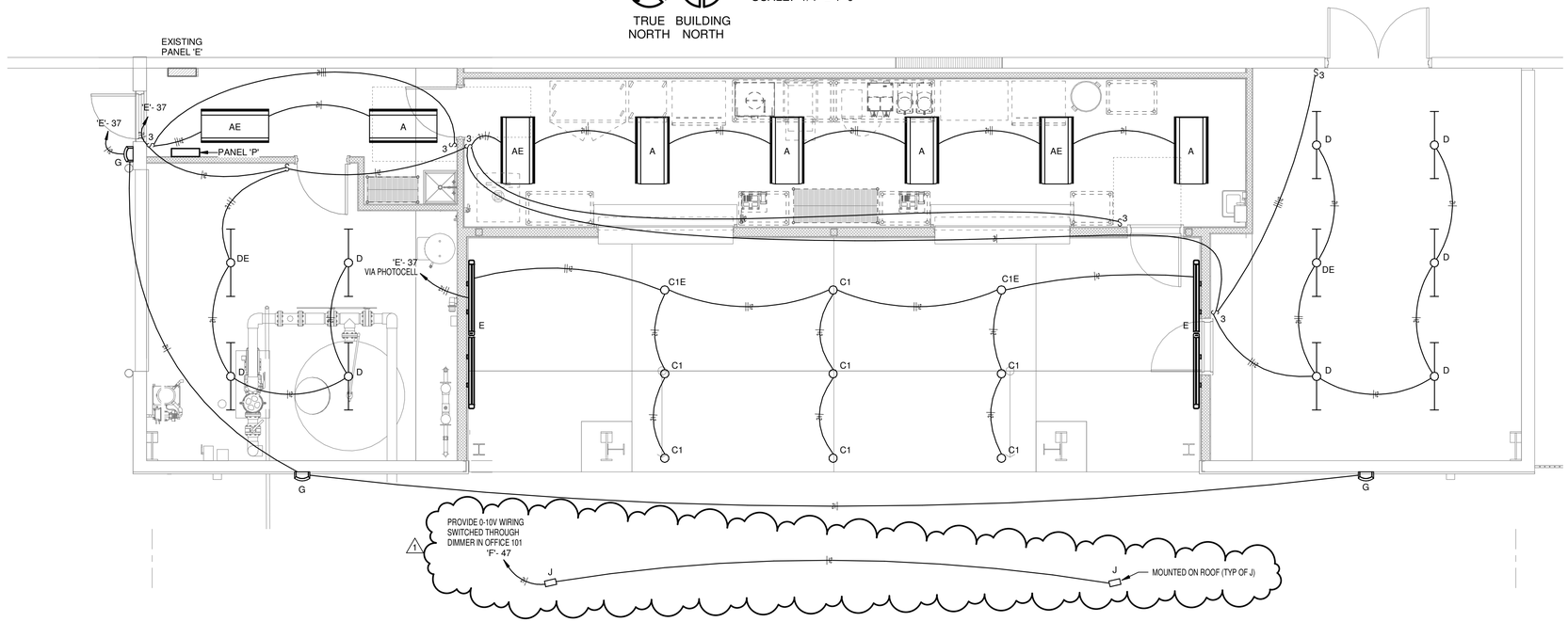
TYPE MARK	MANUFACTURER	MODEL	ELECTRICAL DATA	DESCRIPTION
A	DAYBRITE	2SBP3550L8CS-4-UN3-DIM	120 V/1-51 VA	2X4 FLAT PANEL SET TO 3500K AND 51 WATTS.
AE	DAYBRITE	2SBP3550L8CS-4-UN3-DIM WITH EM BATTERY	120 V/1-51 VA	2X4 FLAT PANEL SET TO 3500K AND 51 WATTS WITH EMERGENCY BATTERY.
B1	LEDALITE	2926L93546WW04DE1NXWA	120 V/1-17 VA	WALL MOUNT FIXTURE
B1E	LEDALITE	2926L93546WW04DE1BXWA	120 V/1-17 VA	4' WALL MOUNT FIXTURE WITH EMERGENCY BATTERY
B2	LEDALITE	2926L93546WW02DE1NXWA	120 V/1-17 VA	2' WALL MOUNT FIXTURE
C1	LIGHTOLIER	6RA-Z6RDL20935WOXXXX-Z10U	120 V/1-20 VA	6" DOWNLIGHT
C1E	LIGHTOLIER	6RAEM6-Z6RDL20935WOXXXX-Z10U	120 V/1-20 VA	6" DOWNLIGHT WITH EMERGENCY BATTERY. FINISH BY ARCHITECT.
C2	LIGHTOLIER	6RN-Z6RDL20940WOXXXX-Z10U	120 V/1-20 VA	6" DOWNLIGHT
C2E	LIGHTOLIER	6RNEM6-Z6RDL20940WOXXXX-Z10U	120 V/1-20 VA	6" DOWNLIGHT
C3	LIGHTOLIER	6RN-Z6RDL20940WOXXXX-Z10U-7925MH	120 V/1-20 VA	6" DOWNLIGHT
C3E	LIGHTOLIER	6RNEM6-Z6RDL20940WOXXXX-Z10U-7925MH	120 V/1-20 VA	6" DOWNLIGHT
D	DAYBRITE	FSW455L835UNVDIM	120 V/1-40 VA	4' STRIP LIGHT
DE	DAYBRITE	FSW455L835UNVDIMEMLED	120 V/1-40 VA	4' STRIP LIGHT WITH EMERGENCY BATTERY
E	LEDALITE	2925L94052WN08DE1N FINISH WA	120 V/1-42 VA	WALL MOUNT DIRECT LINEAR. FINISH BY ARCHITECT.
F	GARDCO	OPF-M A11 840 T4M AR1 208 XX WITH 25' POLE	208 V/2-130 VA	AREA LIGHT WITH 25' POLE
G	GARDCO	101L-16L-700-NW-G2-4-EBPC-UNV-DD-FINISH	120 V/1-38 VA	WALL PACK. FINISH BY ARCHITECT.
H	BK LIGHTING	YO-LED-TR-X116-WW-FINISH-9-BD-010-MT	120 V/1-34 VA	FLOOD WALL WASH WITH GROUND MOUNT. FINISH BY ARCHITECT.
J	GARDCO	DFC7-RM-16L-1050-NW-G2-UNV-FINISH-DD	120 V/1-55 VA	FLOOD LIGHT WITH ROOF MOUNT



RESTROOM AND OFFICE FLOOR PLAN -LIGHTING

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

TRUE NORTH BUILDING NORTH



CONCESSION AND EQUIPMENT FLOOR PLAN - LIGHTING

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

BRACKETT KRENNERICH architects
PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
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Revision Schedule			
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STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12363 ANTHONY DAVID ATKINS 8-7-23

CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

Commission Number 2301

E101

Date: August 4, 2023

FLOOR PLAN - LIGHTING

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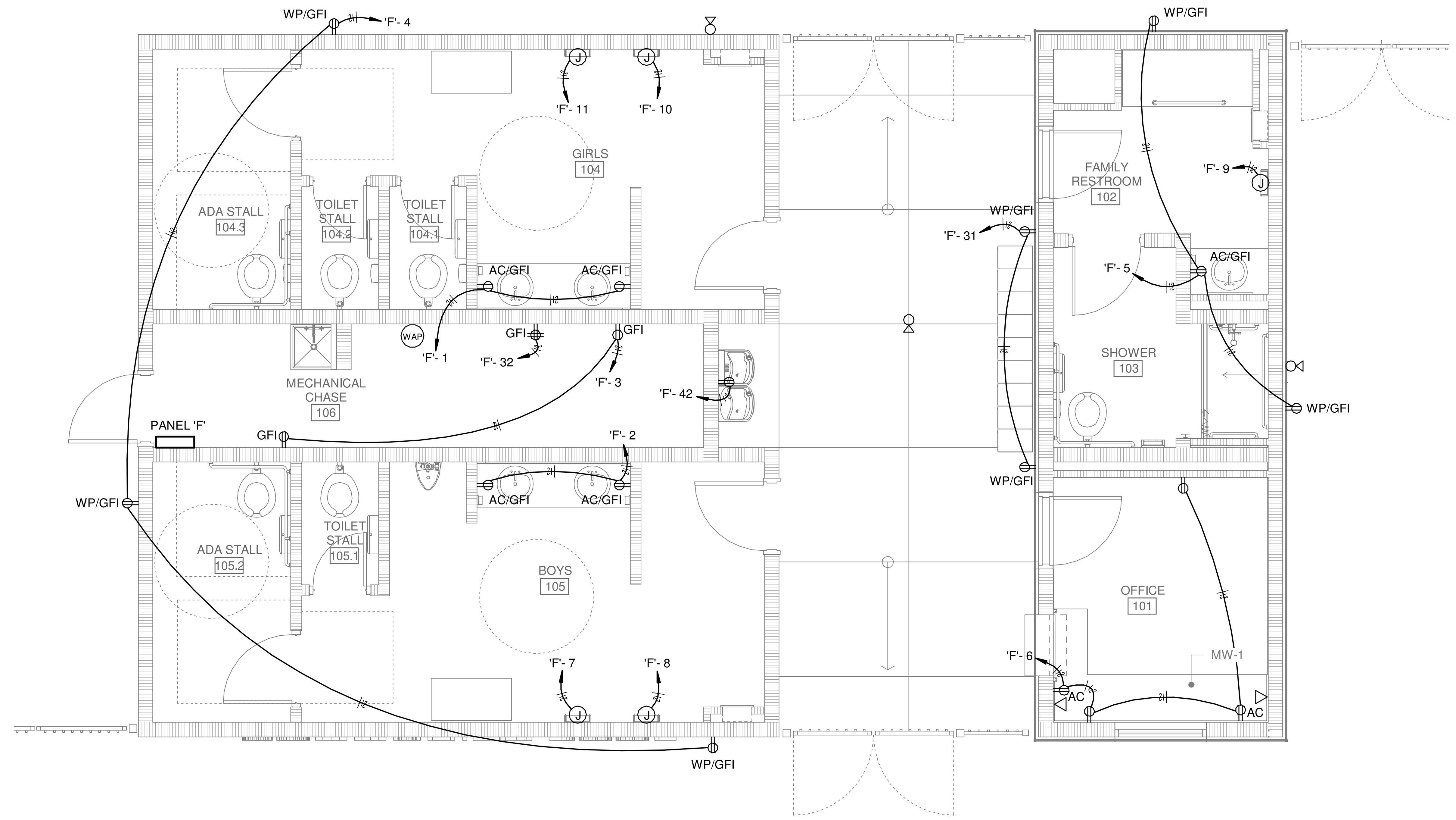
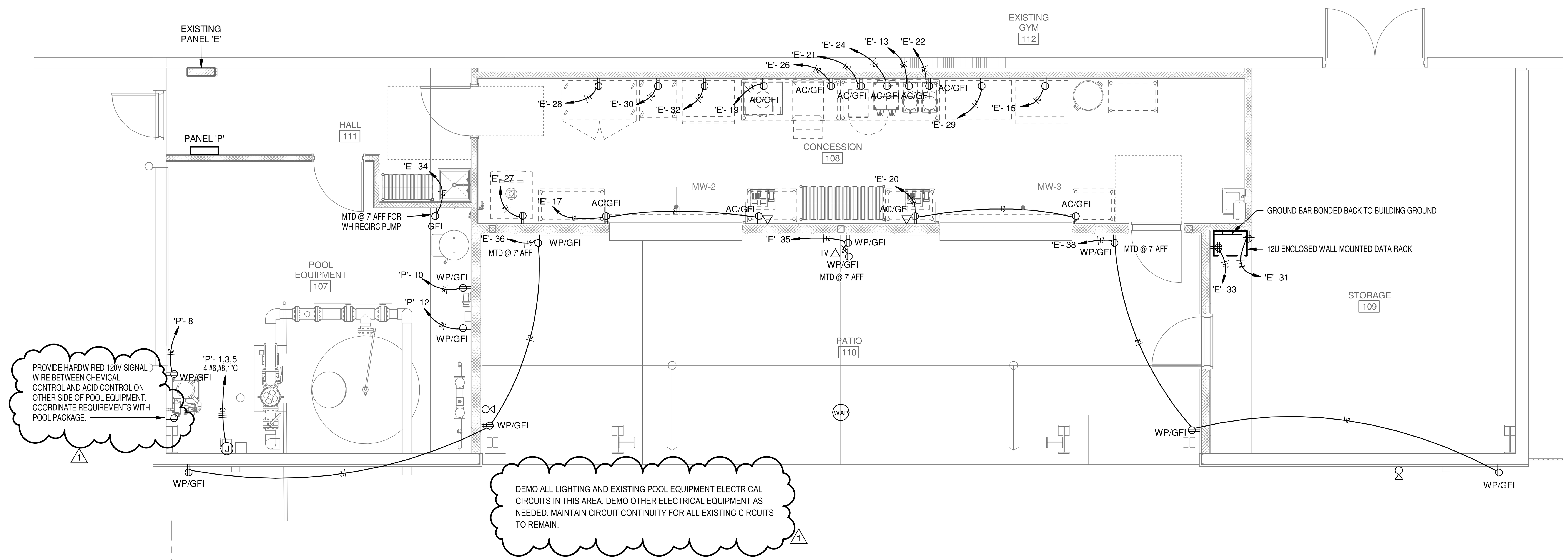


RESTROOM AND OFFICE FLOOR PLAN - POWER

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



CONCESSION AND EQUIPMENT FLOOR PLAN - POWER

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

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO

Jonesboro, Arkansas

BRACKETT KRENNERICH architects
100 East Huntington Ave. Suite D P.O. Box 1655 870-932-0571 Fax 870-932-0975 www.bkarchts.com

Revision Schedule

Tag	Rev. Description	Rev. Date	Issued by
1	ADDENDUM 1	8.18.23	

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12363 ANTHONY DAVID JACOBS

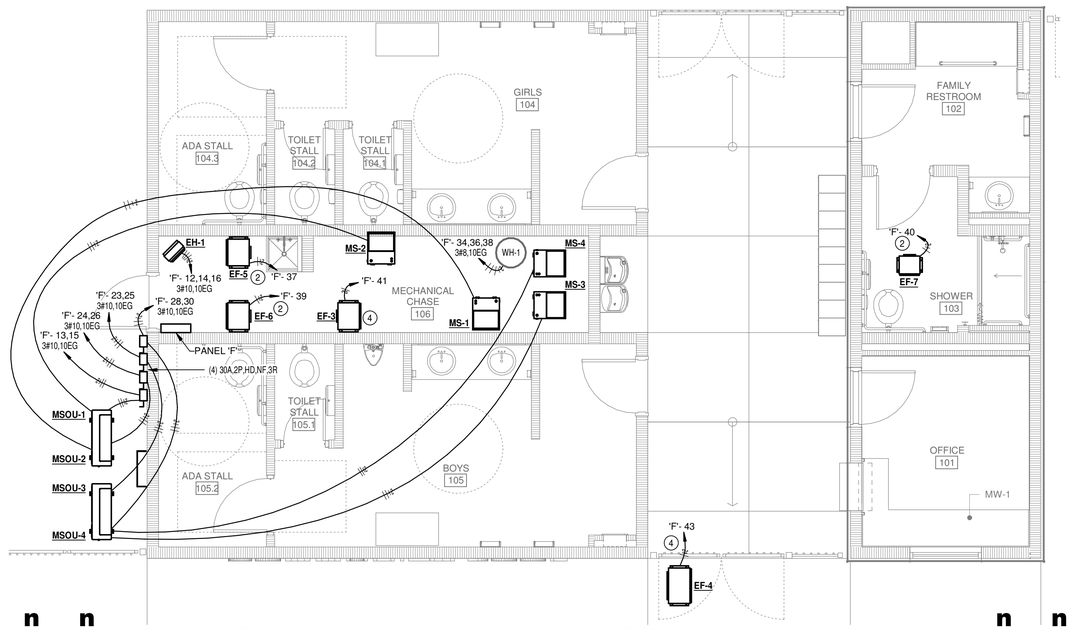
CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

Commission Number 2301

E102

Date: August 4, 2023

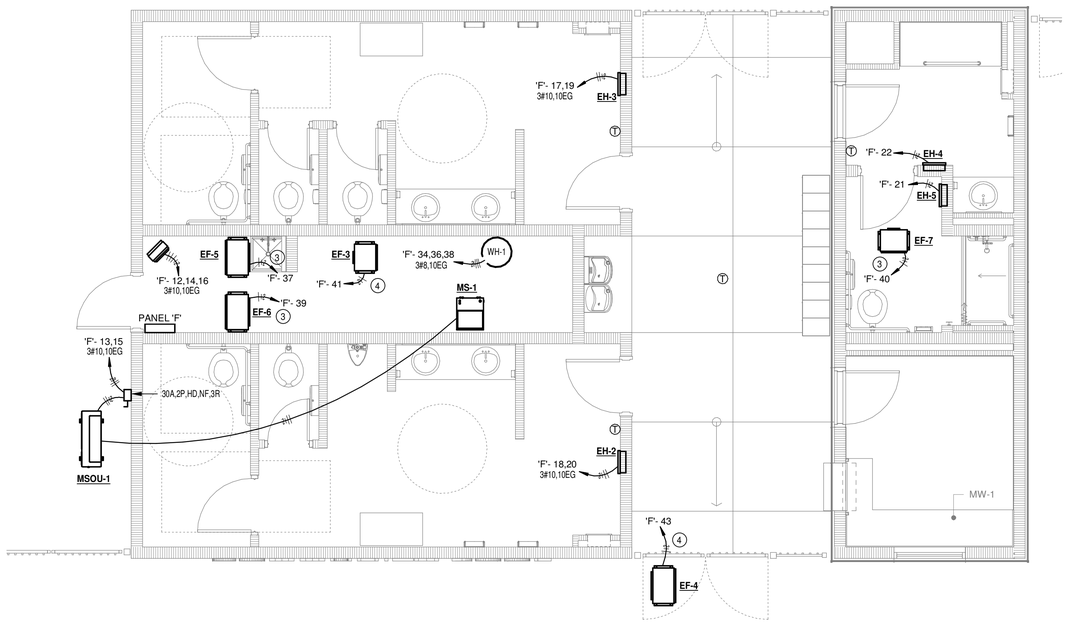
FLOOR PLAN - POWER



RESTROOM & OFFICE FLOOR PLAN - SYSTEMS

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

TRUE NORTH BUILDING NORTH



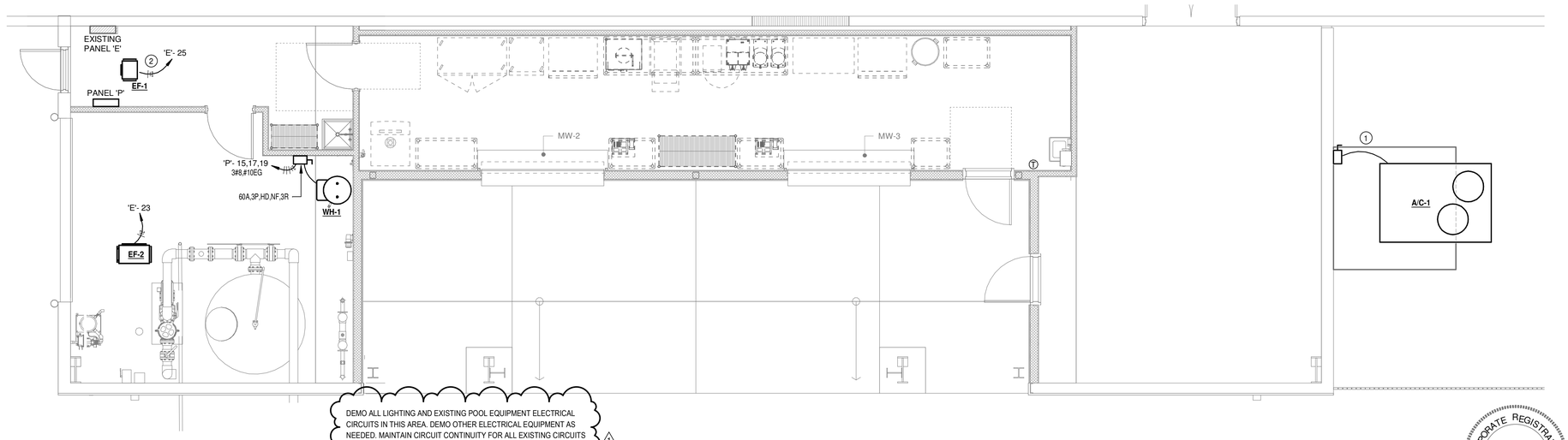
RESTROOM AND OFFICE FLOOR PLAN - SYS. DEDUCTIVE ALT.

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

TRUE NORTH BUILDING NORTH

SYSTEMS KEYED NOTES

1. EXISTING UNIT TO BE REPLACED WITH THE SAME SIZE. DISCONNECT EXISTING AND RECONNECT NEW UNIT. DEDUCTIVE ALTERNATE FOR THE EXISTING HVAC UNIT TO REMAIN.
2. EXHAUST FAN SHALL BE WIRED THROUGH LIGHTING CONTROLS FOR RESPECTIVE SPACE THE FAN IS EXHAUSTING. SEE MECHANICAL FOR MORE INFO.
3. WIRE LINE VOLTAGE THERMOSTATS AND MECHANICAL PROVIDED OCCUPANCY SENSOR TO RESPECTIVE EXHAUST FAN. SEE MECHANICAL PLANS AND DETAILS FOR MORE INFO.
4. WIRE LINE VOLTAGE THERMOSTATS TO RESPECTIVE EXHAUST FAN. SEE MECHANICAL PLANS FOR MORE INFO.



CONCESSSION AND EQUIPMENT FLOOR PLAN - SYSTEMS

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

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

BRACKETT KRENNERICH architects

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Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by
1	ADDENDUM 1	8.18.23	

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12363 ANTHONY DAVID LEWIS 8-17-23

CORPORATE REGISTRATION PETTIT & PETTIT CONSULTING ENGINEERS, INC. No. 78 ARKANSAS ENGINEER

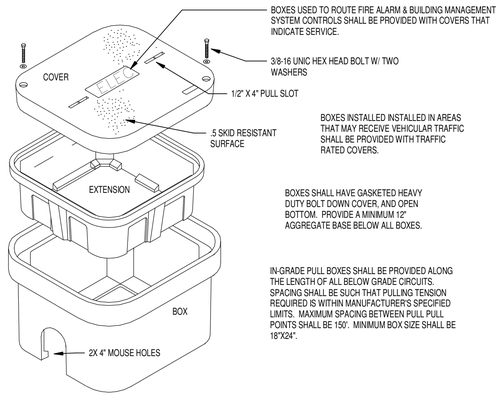
Commission Number 2301

E103

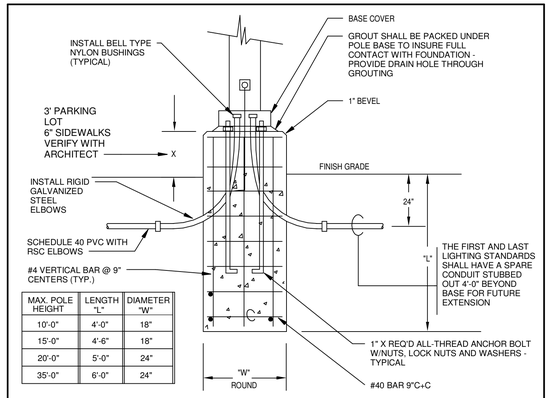
Date: August 4, 2023

FLOOR PLAN - SYSTEMS

C:\Temp_#23-044 Parker Park CC Pool Addtion (R20 Pettit Consulting Engineers, Inc.).rvt
8/18/2023 8:49:27 AM

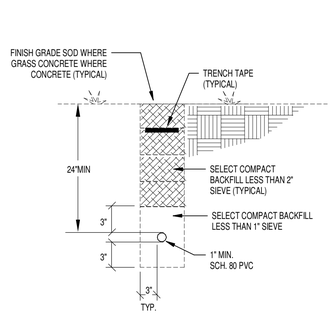


1 IN-GRADE PULL BOX DETAIL
SCALE:N.T.S.



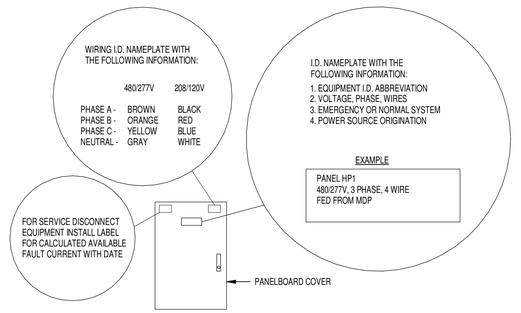
MAX. POLE HEIGHT	LENGTH "L"	DIAMETER "W"
10'-0"	4'-0"	18"
15'-0"	4'-6"	18"
20'-0"	5'-0"	24"
35'-0"	6'-0"	24"

2 POLE BASE DETAIL
SCALE: 1/8" = 1'-0"



TYPICAL DITCHING DETAIL
600 VOLTS OR LESS

3 UNDERGROUND CONDUIT DETAIL
SCALE:N.T.S.



PANEL IDENTIFICATION NOTES:

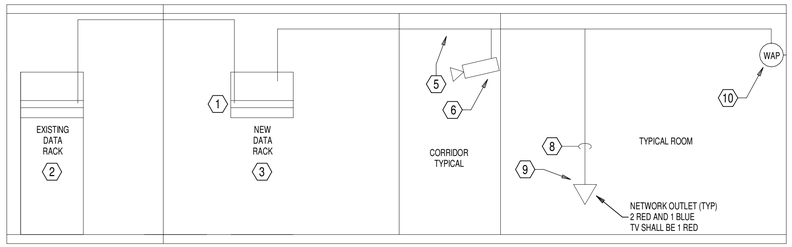
1. SIMILAR FOR DISCONNECTS, MOTOR CONTROLLERS, TRANSFORMERS, LIGHTING CONTROL PANEL, AUTOMATIC TRANSFER SWITCHES, ETC.
2. PROVIDE PANEL IDENTIFICATION FOR ALL NEW PANELS AND FOR ALL EXISTING REWORKED PANELS THAT DO NOT CURRENTLY HAVE IDENTIFICATION TAGS IN PLACE.

4 PANEL & SERVICE ID DETAIL
SCALE:N.T.S.

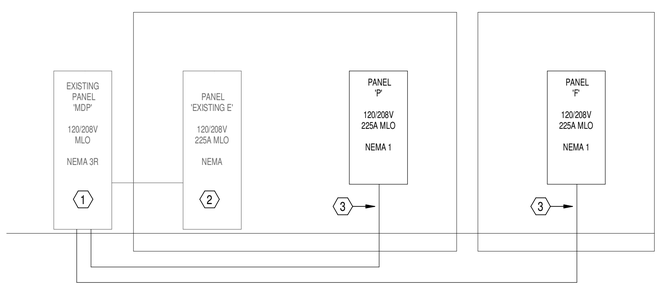
DATA RISER KEYED NOTES:

1. PROVIDE AND INSTALL NEW PATCH PANELS IN THE NEW RACK.
2. EXISTING DATA RACK. CONNECT NEW RACK WITH 12 STRAND OM4 FIBER WITH LC CONNECTORS. PROVIDE LIU/FIBER PATCH AS NEEDED.
3. NEW WALL MOUNTED 12U ENCLOSED RACK
4. TWO 4" UL LISTED, FIRE RATED CABLE PENETRATIONS EQUAL TO WIREMOLD FLAMESTOPPER AT ALL FIRE RATED PARTITIONS.
5. 3/4" MINIMUM CONDUIT
6. OWNER PROVIDED AND CONTRACTOR INSTALLED CAMERA. TYPICAL CAMERA LOCATIONS, REFER TO PLANS FOR NUMBER, LOCATIONS, AND MOUNTING. PROVIDE CONDUIT PATHWAY, TERMINATED GRAY CAT6 CABLE WITH 6' OF SLACK. VERIFY LOCATIONS AND QUANTITY WITH OWNER PRIOR TO INSTALLATION.
7. NOT USED
8. 3/4" EMT CONDUIT DROP DOWN FOR NETWORK CABLING.
9. TYPICAL DATA OUTLET, REFER TO PLANS FOR NUMBER AND LOCATION OF DROPS.
10. WALL MOUNTED WIRELESS ACCESS POINT. 1 RED DATA DROP WITH 6' OF SLACK. VERIFY MOUNTING HEIGHTS WITH THE OWNER PRIOR TO THE INSTALLATION.

CABLING SHALL BE AS FOLLOWS:
FOUR PAIR, CAT6, 24 AWG, UNSHIELDED TWISTED PAIR, PLENUM RATED CABLE SHALL TERMINATE AT SERVER ROOM 245 ON THE SECOND FLOOR. ALL NEW CABLING SHALL BE INSTALLED CONCEALED ABOVE CEILING AND WITHIN WALLS.



5 DATA RISER
SCALE: 1/8" = 1'-0"



POWER RISER KEYED NOTES:

1. PROVIDE AND INSTALL TWO 225A/3P BREAKERS IN THE EXISTING EATON PANEL. LABLE PANEL WITH NEW CIRCUITS.
2. PROVIDE AND INSTALL NEW BREAKERS IN THE EXISTING EATON PANEL. REFER TO PANEL SCHEDUEL FOR MORE INFORMATION.
3. 4-4/0'S, #4 EG IN 3"C. FIELD COORDINATE EXACT CONDUIT ROUTING PRIOR TO BID. CONTRACTOR SHALL REPAIR ALL CONCRETE, ASHPHALT, AND SITE CONDITIONS AS NEEDED.

6 POWER RISER DIAGRAM
NOT TO SCALE

SYMBOL LEGEND

	DUPLEX RECEPTACLE AT 18" A.F.F. GFI - GROUND FAULT CIRCUIT INTERUPTER AC - MOUNTED ABOVE COUNTER BC - MOUNTED BELOW COUNTER WP - PROVIDED WITH WEATHERPROOF IN-USE TYPE COVER
	QUADRUPLEX RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE NEMA CONFIGURATION SHOWN ON PLAN
	DATA OUTLET - REFER TO DATA RISER.
WAP #D	WIRELESS ACCESS POINT - REFER TO DATA RISER.
J	JUNCTION BOX
$	SINGLE POLE TOGGLE SWITCH AT 48" A.F.F. TYPICAL D - DIMMER LV* - LOW VOLTAGE PUSH BUTTON SWITCH, * = NUMBER OF BUTTONS M - MOTOR RATED TOGGLE OC - DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
	BRANCH CIRCUIT HOMERUN HOT-NETURAL-GROUND PANEL AND CIRCUIT NUMBER INDICATED ON PLAN
	PANELBOARD
	DISCONNECT SWITCH
	VIDEO SURVEILLANCE CAMERA- REFER TO DATA RISER.
G	GROUND BAR
HD	HEAT DETECTOR
SD	SMOKE DETECTOR
	MANUAL PULL STATION
FA	FIRE ALARM REMOTE ANNUNCIATOR
S D - SA	AIR SAMPLING SUPPLY
S D - RA	AIR SAMPLING RETURN
FIT	DUCT SMOKE DETECTOR REMOTE TEST STATION
S D	DUCT MOUNTED SMOKE DETECTOR
FA cd	FIRE ALARM AUDIO/VISUAL APPLIANCE CANDELA RATING AS SHOWN ON PLANS
FA cd	FIRE ALARM VISUAL ONLY APPLIANCE CANDELA RATING SHOWN ON PLANS
OC	DUAL TECHNOLOGY 2000SF OCCUPANCY SENSOR CEILING MOUNTED CONECTED TO ROOM CONTROLER.
RC1	LIGHTING ROOM CONTROLLER SINGLE RELAY

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
Jonesboro, Arkansas

BRACKETT KRENNERICH architects

Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by
1	ADDENDUM 1	8.18.23	

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 12363
JOSHUA DAVID ALLEN
8-4-23

CORPORATE REGISTRATION
PETTIT & PETTIT CONSULTING ENGINEERS, INC.
No. 78
ARKANSAS ENGINEER

Commission Number
2301

E201

Date: August 4, 2023

100 East Huntington Ave. Suite D P.O. Box 1655 870-932-0571 Fax 870-932-0975 www.bkarchts.com

ELECTRICAL LEGENDS & DETAILS

Panelboard: 'E'

VOLTAGE: 120/208 Wye | COPPER BUS RATING: 225 A | MAINS TYPE:
LOCATION: HALL 111 | PHASE: 3 | GROUND BUS: | MCB RATING:
MOUNTING: Recessed | WIRES: 4 | MINIMUM A.I.C. RATING: | FED FROM:
ENCLOSURE: Type 1 | MFR. AND TYPE: SQUARE D NQ OR NF | SUBFEED LUGS: | NEUTRAL RATING:

Circuit Number	Load Name	BRKR	A		B		C		BRKR	Load Name	Circuit Number
1	EXISTING AC-1	100/3	0	0					20/1	EXISTING	2
3					0	0			20/1	EXISTING	4
5							0	0	20/1	EXISTING	6
7	EXISTING	20/1	0	0					20/1	EXISTING	8
9	EXISTING	20/1			0	0			20/1	EXISTING	10
11	EXISTING	20/1					0	0	20/1	EXISTING	12
13	RECEPT	20/1	1500	0					20/2	EXISTING	14
15	*RECEPT*	20/1			1500	0			-	EXISTING	16
17	RECEPT	20/1					360	0	25/1	EXISTING	18
19	*RECEPT*	20/1	1500	360					20/1	RECEPT	20
21	RECEPT	20/1			1500	1500			20/1	RECEPT	22
23	EF-2	15/1					600	1500	20/1	RECEPT	24
25	EF-1	15/1	205	1500					20/1	RECEPT	26
27	RECEPT	20/1			828	1656			20/1	*RECEPT*	28
29	*RECEPT*	20/1					1500	1200	20/1	*RECEPT*	30
31	RECEPT	20/1	360	1500					20/1	*RECEPT*	32
33	RECEPT	20/1			360	750			20/1	RECEPT	34
35	RECEPT	20/1					360	540	20/1	RECEPT	36
37	LIGHTING	20/1	1270	540					20/1	RECEPT	38
39	SPARE	20/1			0	0			20/1	SPARE	40
41	SPARE	20/1					0	0	20/1	SPARE	42
	Total Load:		8735 VA		8094 VA		6060 VA				
	Total Amps:		75 A		70 A		51 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1270 VA	125.00%	1588 VA	Total Connected Load:	22889 VA
Receptacles	20064 VA	74.92%	15032 VA	Total Estimated Demand:	18175 VA
HVAC	805 VA	100.00%	805 VA	Total Connected Current:	64 A
Power	750 VA	100.00%	750 VA	Total Est. Demand Current:	50 A
Other	0 VA	0.00%	0 VA		
Motor	0 VA	0.00%	0 VA		
Heating	0 VA	0.00%	0 VA		
Existing Load	0 VA	0.00%	0 VA		

Notes:
* BREAKER * - GFI PROTECTED BREAKER
THIS IS AN EXISTING EATON PANEL INSTALL NEW BREAKERS AS SHOWN.
1

Panelboard: 'P'

VOLTAGE: 120/208 Wye | COPPER BUS RATING: 225 A | MAINS TYPE:
LOCATION: HALL 111 | PHASE: 3 | GROUND BUS: | MCB RATING:
MOUNTING: SURFACE | WIRES: 4 | MINIMUM A.I.C. RATING: | FED FROM:
ENCLOSURE: TYPE 1 | MFR. AND TYPE: SQUARE D NQ | SUBFEED LUGS: | NEUTRAL RATING:

Circuit Number	Load Name	BRKR	A		B		C		BRKR	Load Name	Circuit Number
1	CIRCULATION PUMP	90/3	5800	5800					90/3	PLAY FEATURE PUMP	2
3					5800	5800					4
5							5800	5800			6
7	SPA JET PUMP	20/3	1333	1800					20/1	*CHLORINATOR*	8
9					1333	1000			20/1	*CHEMICAL CONTROL*	10
11							1333	1000	20/1	*WATER LEVEL CONTROL*	12
13	*POOL LIGHTING*	20/1	750	750					20/1	*POOL EQUIPMENT*	14
15	WH-1	45/3			4100	0			20/1	SPARE	16
17							4100	0	20/1	SPARE	18
19			4100	0					20/1	SPARE	20
21	SPARE	20/1			0	0			20/1	SPARE	22
23	SPARE	20/1					0	0	20/1	SPARE	24
25	*DEWATERING PUMP*	20/1	750	0					20/1	SPARE	26
27						0			20/1	SPARE	28
29								0	20/1	SPARE	30
31				0					20/1	SPARE	32
33						0			20/1	SPARE	34
35								0	20/1	SPARE	36
	Total Load:		21083 VA		18033 VA		18033 VA				
	Total Amps:		176 A		150 A		150 A				

1

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA	Total Connected Load:	57150 VA
Receptacles	0 VA	0.00%	0 VA	Total Estimated Demand:	57150 VA
HVAC	12300 VA	100.00%	12300 VA	Total Connected Current:	159 A
Power	44850 VA	100.00%	44850 VA	Total Est. Demand Current:	159 A
Other	0 VA	0.00%	0 VA		
Motor	0 VA	0.00%	0 VA		
Heating	0 VA	0.00%	0 VA		
Existing Load	0 VA	0.00%	0 VA		

Notes:
* BREAKER * - GFI PROTECTED BREAKER

Panelboard: 'F'

VOLTAGE: 120/208 Wye | COPPER BUS RATING: 225 A | MAINS TYPE:
LOCATION: MECHANICAL CHASE 106 | PHASE: 3 | GROUND BUS: | MCB RATING:
MOUNTING: SURFACE | WIRES: 4 | MINIMUM A.I.C. RATING: | FED FROM:
ENCLOSURE: Type 1 | MFR. AND TYPE: SQUARE D NQ | SUBFEED LUGS: | NEUTRAL RATING:

Circuit Number	Load Name	BRKR	A		B		C		BRKR	Load Name	Circuit Number
1	RECEPT	20/1	360	360					20/1	RECEPT	2
3	RECEPT	20/1			360	540			20/1	RECEPT	4
5	RECEPT	20/1					540	720	20/1	RECEPT	6
7	* HAND DRYER *	20/1	1200	1200					20/1	* HAND DRYER *	8
9	* HAND DRYER *	20/1			1200	1200			20/1	* HAND DRYER *	10
11	* HAND DRYER *	20/1					1200	1667			12
13	MSOU-1,MS-1	30/2	2080	1667					25/3	EH-1	14
15					2080	1667					16
17	**EH-3**	25/2					2000	2000	25/2	**EH-2**	18
19			2000	2000							20
21	**EH-5**	20/1			1200	1800			20/1	**EH-4**	22
23	***MSOU-3,MS-3***	30/2					2080	2080	30/2	***MSOU-2,MS-2***	24
25			2080	2080							26
27	LIGHTING	20/1			657	2080			30/2	***MSOU-4,MS-4***	28
29	LIGHTING	20/1					556	2080			30
31	RECEPT	20/1	360	360					20/1	RECEPT	32
33	SITE LIGHTING	20/2			520	4133			45/3	WH-1	34
35							520	4133			36
37	EF-5	15/1	72	4133							38
39	EF-6	15/1			204	200			15/1	EF-7	40
41	EF-3	15/1					205	180	20/1	RECEPT - GFI BREAKER	42
43	EF-4	15/1	540	0					20/1	SPARE	44
45	Lighting	20/1			136	0			20/1	SPARE	46
47	Lighting	20/1					275	0	20/1	SPARE	48
49		20/1		0					20/1	SPARE	50
51		20/1				0			20/1	SPARE	52
53		20/1						0	20/1	SPARE	54
55		20/1		0					20/1	SPARE	56
57		20/1				0			20/1	SPARE	58
59		20/1						0	20/1	SPARE	60
	Total Load:		20452 VA		17977 VA		20236 VA				
	Total Amps:		173 A		150 A		172 A				

1

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1624 VA	125.00%	2030 VA	Total Connected Load:	58665 VA
Receptacles	3780 VA	100.00%	3780 VA	Total Estimated Demand:	59071 VA
HVAC	32640 VA	100.00%	32640 VA	Total Connected Current:	163 A
Power	19581 VA	100.00%	19581 VA	Total Est. Demand Current:	164 A
Other	1040 VA	100.00%	1040 VA		
Motor	0 VA	0.00%	0 VA		
Heating	0 VA	0.00%	0 VA		
Existing Load	0 VA	0.00%	0 VA		

Notes:
* BREAKER * - BREAKER SHALL BE LOCKOUT TAGOUT ** BREAKER ** - PART OF ADD ALTERNATE
*** BREAKER *** - BREAKER REMOVED IN ADD ALTERNATE

PARKER PARK COMMUNITY CENTER POOL ADDITION
CITY OF JONESBORO
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No. 12363
ANTHONY DAVID PETTIT
8-17-23

CORPORATE REGISTRATION
PETTIT & PETTIT CONSULTING ENGINEERS, INC.
No. 78
ARKANSAS ENGINEER

Commission Number
2301

E301

Date: August 4, 2023

ELECTRICAL DETAILS & DIAGRAMS