RIDGEWAY RECREATION CENTER
1900 US HIGHWAY 21 SOUTH, RIDGEWAY, SC 29130

ARCHITECTURE
Consultant: Designed by: Drawn by: Checked by: Project Number: Notes:

Project Name: Drawing Name: Date: Scale: Sheet Number: Drawing Number:

110 Midlands Court
Columbia, SC 29169
803-822-0333

Seal

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RIDGEWAY RECREATION CENTER
1900 US HIGHWAY 21 SOUTH, RIDGEWAY, SC 29130

PERMIT SET
07-29-2022

COVER SHEET

SCHEDULE SHEET INDEX

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**LINETYPE DESIGNATION**

- Utility Type: (sewer, water, forcemain, telephone, cable, electric, storm drainage etc.)
- Pipe Diameter (inches)
GENERAL NOTES

1. The project is located in the Fairfield County, South Carolina. The contractor shall stake the limits of construction and any area needed for staging of equipment or materials and provide Fairfield County a minimum of 10 business days to review said items with the project. All other debris or materials shall become the property of the contractor and shall be disposed of in accordance with local, state, and federal regulations.

2. The contractor is responsible to ascertain existing field conditions prior to bidding on the project.

3. The contractor shall field verify all information and dimensions indicated on plans and specifications prior to the project. All dimensions are in feet unless otherwise stated. If discrepancies exist between drawings, specifications and site conditions, the contractor shall inform the owner or engineer.

4. The contractor shall verify all grades before commencing work. Existing surveys are for reference only.

5. Elevation datum and construction baseline shall be established and maintained by the contractor.

6. These notes contain general information and are not complete for construction purposes. Contractor shall verify information given here with the specifications and other documents and bring any conflicts to the attention of the owner before beginning affected work. The owner will coordinate with the contractor to resolve any such conflicts.

7. Fairfield County maintains the right to allow alternate pipe and material installations.

8. See bid documents for information on subsurface conditions.

9. The contractor shall remove all debris, material, and equipment from the project site upon completion of the work.

CODES AND STANDARDS

1. Reinforced concrete work shall conform to the requirements of "Specifications for Structural Concrete for Buildings" (American Concrete Institute ACI 318) and "Building Code Requirements for Reinforced Concrete" (ACI 318).

2. Reinforced concrete pipe, structural pipe, or pavement or parallel to the edge of pavement in public right of way shall have gasket joints in accordance to ASTM C443 and/or ASHTO M35. The joints shall be securely wrapped with filter fabric 18 inch width.

3. Supplemented drainage systems with piping in the public right of way shall have gasket joints in accordance to ASTM C443 and/or ASHTO M35. The joints shall be securely wrapped with filter fabric 18" width.

4. All air valves, benches, bedrock boulders, storm boxes etc. in city right of way or city owned maintained drainage easements shall be installed per current SCDD standard specifications and current SCDD standard drawings.

5. All reinforced concrete pipe shall be ASTM C67 Class III (Minimum).

CONSTRUCTION NOTES

1. The contractor shall adhere to all technical specifications and all documents of any description including notes on the plans to ensure a satisfactory completed project. Contractor to notify engineer of any discrepancies. The most stringent requirement shall apply.

2. All work made by the contractor shall be adequately protected each day prior to leaving the site.

3. Existing invert elevations shall be verified and pipes to be laid up-grade.

4. Tree protection fencing shall be inspected prior to the start of construction.

5. Sediment and erosion control shall be in accordance with SCDEW general permit, SCDD standard specifications section 815, current supplemental specifications section 815 and erosion control notes and details. Temporary SWF is to be placed around the perimeter of embankments and follow the seeding schedule in the erosion control notes and details provided in this set of drawings.

6. Contractor shall remove all debris. A proof of roll for required inspection of roadway, storm drainage, subgrade and base course shall be proof rolled with a fully loaded tandem axle dump truck in the presence of an inspector. All areas are to be maintained in a safe manner. Any discrepancies noted during the following inspection shall be excavated and re-compact with suitable material to the design elevations shown on the approved plans. Installation of the approved drainage system shall be inspected and shall occur prior to acceptance.

UTILITIES

1. Before commencing work, arrange to locate and protect utility lines and property from damage.

2. The contractor shall cooperate with the utility owners in the relocation and re-arrangement of any underground or overhead utility lines or facilities to minimize interruption to service and duplication of work by the utility owners.

3. If due to construction activities utility service is interrupted, the contractor must promptly notify the proper authority and cooperate with them until service has been restored.

4. Do not commence work around fire hydrants until provisions for continued service have been made and approved by the local fire authority.

5. The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact locations of all existing utilities before commencing any work, and agrees to be fully responsible for any and all damages which may occur due to the contractors failure to exactly locate and preserve any and all underground utilities.

PAVEMENTS

1. Existing curb, concrete, and asphalt pavement shall be saw cut for clean edges.

2. The contractor shall comply with all provisions including special provisions, of the SCDOT Encroachment Permit within US-21 right of way.

3. All paving shall be set in close conformity to those indicated in the plan, specifications, and drawings. Tolerances shall meet those listed in the contract documents or "L", all paving shall be full mixes and installation shall meet the requirements of the SCDD. All variations from those requirements will be as defined in the contract documents.

4. The contractor shall not be responsible for the outside of abutting existing pavements shall match the elevations of the existing adjoining pavement.

5. Pavements shall be uniform in grade with smooth transitions at intersections.

6. Bird baths or depressions will not be accepted. Areas which exhibit ponding deeper than the prescribed tolerances will be removed and reconstructed at the contractors expense.

7. Contractor to feather the edges of asphaltic surfaces, as applicable.

8. Compaction of subgrade material to be verified and accepted by placing paving contractor prior to start of construction.

9. ADA accessible ramps shall be constructed at all locations where pedestrian routes intersect vehicle use areas and change grade. ADA detectable warning devices (truncated domes) shall be constructed at all locations where pedestrian routes intersect vehicle use areas, regardless of grade change, as indicated on the plans.

10. Vehicle rated sidewalk pavement section shall be used where vehicular use areas cross proposed sidewalk.

SITE layout

1. Contractor is responsible for site layout of all work as illustrated on plans. If existing conditions differ from those illustrated on plans, notify engineer prior to the start of construction. Differences found in the field shall be called to the attention of the engineer prior to proceeding with work.

2. All dimensions and radius lengths are at the edge of pavement, or as indicated on plans. Contractor shall contact engineer for clarity, as necessary.

3. All project stakeout shall be performed by a registered land surveyor to be paid by the contractor. For stakeout, do not rely solely on the physical scale as shown on the drawings. Refer to given dimensions, symbols on the legend, key notes, and referenced details for correct stake out. Contractor shall contact engineer for clarity, as necessary.

4. Contractor shall refer to survey information for monuments. The contractor shall establish two temporary monuments in the field which will be maintained for layout operations.

CONTRACTOR NOTES

1. Prior to beginning construction, the general contractor shall be responsible for verifying that all required permits and approvals have been obtained from all regulatory authorities.

2. Care shall be taken to prevent damage to existing utilities during construction. Any damage to these utilities shall be repaired at the contractors expense.

3. The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours prior to any trenching or excavation to request exact field location of utilities. For assistance with field location of existing utilities the contractor can contact Palmetto Utility Protection Service, Inc. (PUPS) at 1-888-721-7773.

4. The contractor shall be responsible for field verifying all illustrated known underground elements. Additionally, the contractor shall be responsible for exercising reasonable structural soundness and effort to protect any unknown underground elements. The contractor shall notify the engineer immediately if unknown elements are discovered that would necessitate modification to the illustrated design.

5. The contractor shall protect all adjacent properties, the general public, and any persons or property as required. Should damages occur, contractor shall repair immediately as directed by the manager/owner. Contractor is financially responsible for all repairs, and repairs are to be performed to the owners approval.

6. The contractor shall utilize signs, barricades, flagmen or guards as required by the safety of all vehicular and pedestrian traffic during all construction activities, and shall be responsible for any and all damage or injuries to persons or property.

7. All improvements shall be in accordance with the project specifications.

8. The contractor shall maintain the site in a manner so that workmen and public shall be protected from injury.

9. The general contractor shall complete all owner of easements, utilities and right-of-way, public or private, prior to working in these areas.

10. Contractor is responsible for securing the site prior to substantial completion of the project. Repairs, resulting from vandalism, to be at the contractors expense.
Before construction begins, the contractor shall locate, mark, and protect all survey control points.

The contractor shall perform a survey verification of all control points before any points are used for construction purposes.

Prior to any construction horizontal survey layout session, the users of the horizontal control points are required to check between any three points in order to (1) verify that the points have not been disturbed and (2) correct identities of the points.

All surveys that require elevations shall commence the survey session on a benchmark (not an elevation on a horizontal control point) and end the survey session on a second benchmark (not an elevation on a horizontal control point).

### Existing Conditions

**RIDING CENTER**

**PROJECT: RIDGECREST CENTER**

**SCALE: 1" = 40 FT**

**CURRENT**

**CONTRACTOR SHALL REFER TO GENERAL NOTES FOUND ON SHEET C0.04**
SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF ALL WORK AS ILLUSTRATED ON PLANS. IF EXISTING CONDITIONS DIFFER FROM THOSE ILLUSTRATED ON PLANS, NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FOUND IN THE FIELD SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH WORK.

2. ALL DIMENSIONS AND RADIUS LENGTHS ARE TO THE EDGE OF PAVEMENT OR FACE OF BUILDING UNLESS SHOWN OTHERWISE.

3. ALL PROJECT STAKEOUT SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR TO BE PAID BY THE CONTRACTOR. FOR STAKEOUT, DO NOT RELY SOLELY ON THE PHYSICAL SCALE AS SHOWN ON THE DRAWINGS. REFER TO GIVEN DIMENSIONS, SYMBOL LEGEND, KEYNOTES, AND REFERENCED DETAILS FOR CORRECT STAKEOUT.

4. CONTRACTOR SHALL REFER TO SURVEY INFORMATION FOR MONUMENTS. THE CONTRACTOR SHALL ESTABLISH TWO TEMPORARY MONUMENTS IN THE FIELD WHICH WILL BE MAINTAINED FOR LAYOUT OPERATIONS.

5. ELECTRONIC FILES WILL BE PROVIDED TO SELECTED CONTRACTOR.

6. EXISTING CURB, CONCRETE, AND ASPHALT PAVEMENT SHALL BE SAWCUT FOR CLEAN EDGES.

7. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS, INCLUDING SPECIAL PROVISIONS, OF THE SCDOT ENCROachment PERMIT.

8. ALL PAVING SHALL BE IN CLOSE CONFORMITY TO THOSE INDICATED IN THE PLANS AND DETAILS. TOLERANCES SHALL MEET THOSE LISTED IN THE CONTRACT DOCUMENTS OR 2".

9. ALL PAVING MATERIAL MIXES AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE SCDOT. ANY VARIANCES FROM THOSE REQUIREMENTS WILL BE AS DEFINED IN THE CONTRACT DOCUMENTS.

10. ALL NEW PAVEMENT ABUTTING EXISTING PAVEMENTS SHALL MATCH THE ELEVATIONS OF THE EXISTING.

11. PAVEMENTS SHALL BE UNIFORM IN GRADE WITH SMOOTH TRANSITIONS AT CHANGES IN SLOPE.

12. BIRD BATHS OR DEPRESSIONS WILL NOT BE ACCEPTED. AREAS WHICH EXHIBIT PONDING DEEPER THAN THE PRESCRIBED TOLERANCES WILL BE REMOVE AND RECONSTRUCTED AT THE CONTRACTOR’S EXPENSE.

13. CONTRACTOR TO FEATHER THE EDGES OF ASPHALTIC SURFACES WHERE REQUIRED.

14. COMPACTATION OF SUBGRADE MATERIAL TO BE VERIFIED AND ACCEPTED BY FAIRFIELD COUNTY AND BY PAVING CONTRACTOR PRIOR TO START OF CONSTRUCTION.

15. ADA ACCESSIBLE RAMPS SHALL BE CONSTRUCTED AT ALL LOCATIONS WHERE PEDESTRIAN ROUTES INTERSECT VEHICLE USE AREAS AND CHANGE GRADE. ADA DETECTABLE WARNING DEVICES (TRUNCATED DOMES) SHALL BE CONSTRUCTED AT ALL LOCATIONS WHERE PEDESTRIAN ROUTES INTERSECT VEHICLE USE AREAS, REGARDLESS OF GRADE CHANGE. (SIX LOCATIONS HAVE BEEN IDENTIFIED IN PLAN VIEW)

QUICK REFERENCE NOTES:

TOTAL DISTURBED AREA: 4.9 AC
TOTAL IMPERVIOUS AREA: 0.8 AC
TOTAL PERVIOUS AREA: 4.1 AC

REQUIRED SPACES: 7,821 SF / 500 = 16 SPACES
22 PROVIDED SPACES (2 ADA VAN ACCESSIBLE)
120 OVERFLOW SPACES (OPTIONAL)

CONTRACTOR SHALL REFER TO GENERAL NOTES FOUND ON SHEET CS-04
**LEGEND:**
- Silt Fence
- Limits of Disturbance
- Stabilized Construction Entrance
- Rock Outlet (Contractor to install and adjust as required for construction)
- Temporary Seeding
- Permanent Seeding
- Dust Control
- Surface Roughening (Surface tracking, stair stepping - see detail)
- Temporary Diversion Ditch (Contractor to install and adjust as required for construction)
- Storm Pipe - Turf Reinforcement Pyramat Outlet Protection

**CONTRACTOR SHALL INSTALL DITCH CHECKS OR SEDIMENT TUBES AS REQUIRED TO CONTROL SEDIMENT AND EROSION WITHIN SWALES**

**CONTRACTOR SHALL INSTALL CONCRETE WASH OUT AND PORTA POTTY ON SITE IN ACCORDANCE WITH THE SCHEC CPSP.**

**COUNTY TO PROVIDE CONSTRUCTION DUMPSTER FOR WASTE REMOVAL**
**COUNTY TO PERFORM SWPPP INSPECTIONS**

**4.9 ACRES LAND DISTURBANCE**

*SEE SHEET C3.02 FOR SWPPP PLAN NOTES AND SHEETS C3.03 THROUGH C3.06 FOR SWPPP DETAILS*

**CONTRACTOR SHALL REFER TO GENERAL NOTES FOUND ON SHEET C3.04**
**Temporary Gravel Construction Entrance/Exit (SCDHEC Detail)**

(NOT TO SCALE)

**Edges shall be tapered out towards road to prevent tracking of mud on the edges.**

**AVOID STONE DIAMETER**

**UP TO 3 IN CONCRETE**

**WITH A 6-INCH MAXIMUM DEPTH**

UNDERLying NON-WOVEN GEOTEXTILE FABRIC

**Installation:**

- Remove all vegetation and any objectionable material from the foundation area.
- Direct all surface runoff and drainage from streets to a sediment trap or basin.
- Install a non-woven geotextile fabric prior to placing any stone.
- Install a culvert pipe across the entrance when needed to provide positive drainage.
- The entrance shall consist of 1-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
- The edges of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.

**Ingestion and Maintenance:**

- Inspect construction entrances every seven (7) calendar days and within 24-hours after each rainfall event that produces 0.25-inch or more of precipitation, or after heavy use. Check for mud and sediment buildup and repair or replace stones as needed.
- Mud or replace stones as needed and as directed by the inspector. The stone in the entrance should be replaced or replaced where the stone falls to reduce mud being carried off-site by vehicles. Frequent rinsing will extend the useful life of stone.

- Immediately remove mud and sediment tracked on vehicles onto public streets by body of sweeping flushing should only be used when the water can be discharged to a sediment trap or drain.

*Please see detailed instruction below.*
WATER SYSTEM NOTES:

1. WATER INSTALLATION SHALL BE IN ACCORDANCE WITH "TEN STATES STANDARDS" SCDHEC REGULATIONS, AND GOVERNED BY SCDHEC SPECIFICATIONS, LATEST EDITION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL TAPS. A SLEEVE SHALL BE NO CLOSURE TO A JOINT THAN 4 FEET.
3. THRUST BLOCKING SHALL BE USED ONLY ON WET TAPS. CONTRACTOR SHALL NOTIFY INSPECTOR A MINIMUM OF 72 HOURS (THREE FULL WORKING DAYS) PRIOR TO MAKING ANY WET TAP.
4. ROUGH GRADING SHALL BE DONE PRIOR TO INSTALLATION OF WATER MAINS.
5. CONTRACTOR SHALL MAINTAIN BETWEEN 36" - 48" COVER OVER TOP OF PIPE.
6. ALL VALVES SHALL OPEN COUNTERCLOCKWISE.
7. MEALUG, FORD SERIES 1400, OR SIGMA ON-LOK RETAINER GLANDS SHALL BE USED FOR ALL FITTINGS, VALVES, AND HYDRANTS.
8. RESTRAINED LENGTHS SHALL BE IN MULTIPLES OF A FULL LENGTH OF PIPE.
9. USE 45° FLATTE BENDS WHEN GOING UNDER RCP AND DO NOT INSTALL VALVES, HYDRANTS, OR SERVICES ON DEEP PIPE SECTIONS.
10. WHERE POSSIBLE, HORIZONTAL WATERLINES SHALL BE DEFLECTED IN LINE OF USING BENDS. DEFLECTIONS SHALL NOT EXCEED 75% OF MANUFACTURER'S SPECIFICATIONS.
11. WHERE WATER AND SANITARY SEWER LINES CROSS WITHIN 18", THE LINE LAID LAST SHALL HAVE A FULL LENGTH OF PIPE INSTALLED WITH ITS MIDPOINT VERTICALLY IN LINE WITH THE OTHER LINE. THE CROSSING SHALL BE AT NOT LESS THAN 45° ANGLE.
12. ALL MATERIAL SHALL COMFORM TO WATER SPECIFICATIONS AS TO MANUFACTURER, TYPE, AND DESIGN.
13. COORDINATE INSPECTION OF THE BACKFLOW DEVICES WITH WATER AUTHORITY'S CROSS CONNECTION DEPARTMENT. WATER SERVICE SHALL NOT BE TURN ON UNTIL ALL BACKFLOW DEVICES HAVE PASSED INSPECTION.
14. WATER AUTHORITY RESERVED THE RIGHT NOT TO INSTALL WATER METERS IF METER BOXES ARE NOT LOCATED ON GRADE IN COMPLIANCE WITH ITS MINIMUM STANDARDS.

UTILITY NOTES:

1. ALL DISTURBED AREAS TO BE SEEDED AS SOON AS PRACTICAL, HOWEVER IN NO CASE SHALL THE SEEDING TAKE LONGER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED.
2. ALL EXCAVATION IS UNCLASSIFIED. WHEN EXCAVATING, REMOVE ALL MATERIALS OF WHATEVER SUBSTANCE ENCOUNTERED.
3. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONSTRUCTION DOCUMENTS AND SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY DISCREPANCIES OR OMISSIONS DISCOVERED ON THE PLANS OR AT THE SITE. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS TO VERIFY THAT ALL LOCATIONS ARE CORRECT PRIOR TO COMMENCING CONSTRUCTION.
4. CONTRACTOR TO PROVIDE THE ENGINEER A SET OF MARKED-UP CONSTRUCTION DRAWINGS INDICATING THE AS-BUILT LOCATION OF ALL FEATURES AND COMPONENTS OF THE SEWER AND WATER SYSTEMS. (I.E. BENDS, VALVES, MANHOLES, ETC.) SHALL BE LOCATED TO KNOWN OBJECTS IN THE FIELD BY 2 POINTS.
5. SEE SEWER PLANS BY OTHERS (ONSITE SEPTIC ENGINEERING) FOR SEPTIC DESIGN AND LAYOUT WHICH ARE ATTACHED AND INCLUDED WITHIN THIS PLAN SET. NO WORK SHALL COMMENCE UNTIL PERMITS FROM SCDHEC ARE OBTAINED FOR SEWER AND SEPTIC SYSTEM.

SEE ARCHITECTURAL AND MEP PLANS FOR UTILITY CONNECTIONS AT THE BUILDING
SEE SEPTIC PLANS FOR SEWER DESIGN AND SPECIFICATIONS

CONTRACTOR SHALL REFER TO GENERAL NOTES FOUND ON SHEET 00-04

SCALE: 1" = 40'
PROJECT NAME: RIDGEWAY RECREATION CENTER
PROJECT LOCATION: 1966 US HWY 21 SOUTH
RIDGEWAY, SC 29130
FAIRFIELD COUNTY, SC
TMS: 186-03-05-018-000
WATER SUPPLY: PUBLIC

SHEET INDEX

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<tr>
<th>SHEET</th>
<th>DRAWING NUMBER</th>
<th>SHEET TITLE</th>
</tr>
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<tr>
<td>CD</td>
<td>21-500-CM4</td>
<td>GENERAL NOTES &amp; PROJECT OVERVIEW</td>
</tr>
<tr>
<td>SP010</td>
<td>21-500-CM1</td>
<td>SEPTIC SITE PLAN</td>
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<td>SP012</td>
<td>21-500-CM3</td>
<td>DRAIN FIELD CALC, SECTION &amp; DETAILS</td>
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<td>SP020</td>
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<td>DRAIN FIELD &amp; MISC. DETAILS</td>
</tr>
<tr>
<td>SP021</td>
<td>21-500-CM5</td>
<td>TANK DETAILS</td>
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"INSTALLERS MUST BE APPROVED BY ONSITE SEPTIC ENGINEERING AND MUST CONTACT ONLINE SEPTIC ENGINEERING TO SCHEDULE PRE-CONSTRUCTION MEETING AND CONSTRUCTION OBSERVATIONS 1 WEEK PRIOR TO INSTALLATION."

CLIENT: ICE ENGINEERING
MRS. JENNY GERMUTH, PA
863-592-3918
JENNY.GERMUTH@ICE-ENG.COM

General Notes:

- Trench slurry shall be level along its length.
- Use 300 class HDPE fill (less than 1/2" fines) shall be used to fill all cut areas surrounding trenches if applicable.
- Trench ditches (if applicable) shall be 5' wide or approved alternate to meet septic specifications.

- Excavation and Maintenance Plans:

1. General Maintenance Considerations.
2. Excavation procedures.
3. Maintenance of the system.
4. Effluent disposal from the system.
5. Service/repair and maintenance procedures.
6. Disposal of sludge.
7. Disposal of septage.

- Testing and Cleaning:

1. Pre-installation testing.
2. Post-installation testing.
4. Troubleshooting.

- Design and Installation:

1. System design.
2. Installation procedures.
3. Acceptance testing.
4. Service and maintenance procedures.

- Operation and Maintenance:

1. General operation and maintenance procedures.
2. Troubleshooting procedures.
3. Service and maintenance procedures.
4. Acceptance testing.

- Warranty:

1. Manufacturer's warranty.
2. Contractor's warranty.
4. Service and maintenance procedures.

- Modifications:

1. System modifications.
2. Service and maintenance procedures.
3. Acceptance testing.
4. Troubleshooting procedures.

- Replacement:

1. Replacement procedures.
2. Service and maintenance procedures.
3. Acceptance testing.
4. Troubleshooting procedures.

- Disposal:

1. Sludge disposal.
2. Septage disposal.
3. Effluent disposal.

- Service and Maintenance:

1. General service and maintenance procedures.
2. Troubleshooting procedures.
3. Service and maintenance procedures.
4. Acceptance testing.

- Troubleshooting:

1. System troubleshooting.
2. Service and maintenance procedures.
3. Acceptance testing.
4. Troubleshooting procedures.

- Acceptance Testing:

1. General acceptance testing.
2. Service and maintenance procedures.
3. Acceptance testing.
4. Troubleshooting procedures.
CIVIL DRAWINGS HAVE BEEN REVISED. PLEASE REFER TO SHEET C2.01 FOR UPDATED SITE PLAN DATED 7/29/2022 AND FULLY COORDINATED WITH OTHER DISCIPLINES.
NON-SPRINKLERED CONSTRUCTION CORRIDORS SHALL BE 1 HOUR RATED (OVER 30 OCCUPANTS)
GENERAL NOTES:

1. CONCRETE NOTES:
   - ALL PLACED FILL SOILS SHALL BE TESTED AND LABORATORY REPORTS PROVIDED TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO PLACEMENT.
   - ALL CONCRETE PLACEMENT SHALL BE CONTROLLED BY THE ARCHITECT OR ENGINEER OF RECORD.
   - ALL PLACING AND FINISHING OF CONCRETE SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFIED COMPOSITION.

2. LIGHT GAUGE STUDS:
   - ALL LIGHT GAUGE STEEL STUDS SHALL BE ATTACHED TO THE WALL FRAMING WITH SELF-DRILLED AND SELF-TAPPING SCREW FASTENERS.
   - ALL STUDS SHALL BE ATTACHED TO THE FRAME WITH EIGHT STUD FASTENERS PER METRE RUN.

3. ROOF SHEATHING NOTES & FASTENER PATTERN:
   - ALL ROOF SHEATHING TO BE 5/8" FIRE RETARDANT PLYWOOD.
   - ALL ROOF SHEATHING SHALL HAVE STAGGERED ENDJOINTS.

4. WALL SHEATHING NOTES & ATTACHMENT PATTERN:
   - ALL WALL SHEATHING TO BE 5/8" FIRE RETARDANT PLYWOOD.
   - ALL WALL SHEATHING TO BE ATTACHED TO THE FRAME WITH EIGHT STUD FASTENERS PER METRE RUN.

SOIL NOTES:

1. FOUNDATION SYSTEM DESIGN AT ALL EMBANKMENTS AND ALL EMBANKMENTS WITHin THE PROPOSED BUILDING AREA SHALL BE BASED ON THE SITE APPLICABLE LOADS AND SOIL CONDITIONS.

2. BELOW GRADE CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND OTHER APPLICABLE CODES AND STANDARDS.

3. FOUNDATION SYSTEM DESIGN SHALL ACCOUNT FOR THE EFFECTS OF HYDRAULIC ENERGY ON THE SOILS AND STRUCTURES.

4. FOUNDATION SYSTEM DESIGN SHALL ACCOUNT FOR THE EFFECTS OF GEOLOGICAL HAZARDS ON THE SOILS AND STRUCTURES.

5. FOUNDATION SYSTEM DESIGN SHALL ACCOUNT FOR THE EFFECTS OF SOIL COMPACTION ON THE SOILS AND STRUCTURES.

6. FOUNDATION SYSTEM DESIGN SHALL ACCOUNT FOR THE EFFECTS OF SOIL MOISTURE ON THE SOILS AND STRUCTURES.

7. FOUNDATION SYSTEM DESIGN SHALL ACCOUNT FOR THE EFFECTS OF SOIL TEMPERATURE ON THE SOILS AND STRUCTURES.
FOOTING SCHEDULES

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Footing Type</th>
<th>Footing Size</th>
<th>Footing Material</th>
<th>Footing Notes</th>
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<tbody>
<tr>
<td>1</td>
<td>Load Bearing</td>
<td>W12X65</td>
<td>W1.4XW1.4</td>
<td>U.N.O.</td>
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</tbody>
</table>

GENERAL FOUNDATION NOTES:

A. TOP OF FOOTINGS @ (-1' - 4") BELOW FINISH FLOOR, UNLESS NOTED OTHERWISE. SEE WALL SECTION DETAILS FOR SPECIFIC CONDITIONS.

B. FLOOR SLAB TO BE 4" CONCRETE SLAB W/ WWF 6X6 - W1.4XW1.4, U.N.O.

C. CONTROL JOINTS TO BE SPACE 14' - 0" MAX. SEE TYPICAL DETAIL SHEET.

D. PROVIDE L4X4X4X3/8" BASE ANGLE AT FLOOR SLAB AND W10X12 GIRTS AS SHOWN IN WALL SECTIONS AT STEEL FRAMED BUILDING.

E. ALL INTERIOR AND EXTERIOR OPENING TO HAVE BOX BEAM - METAL STUD HEADER, SEE TYPICAL DETAIL SHEET.

SYMBOLS

- CONTROL JOINTS
- LOAD BEARING STUD WALLS

FOUNDATION NOTES-F.0

SCALE: 1/8" = 1'-0"
GENERAL ROOF FRAMING NOTES:

A. PROVIDE W10X12 WALL GIRTS AS SHOWN IN WALL SECTIONS W/ W10X12 JAMB POSTS AT EACH SIDE OF EXTERIOR OPENINGS, UNLESS NOTED OTHERWISE.

B. PROVIDE 1/2" DIAMETER SAG RODS AT MID SPAN BETWEEN EACH BAYS, TYPICAL AT STEEL FRAMED BUILDING.

C. ALL INTERIOR AND EXTERIOR OPENINGS TO HAVE BOX BEAM METAL STUD FRAMING, SEE TYPICAL DETAIL SHEET, UNLESS NOTED OTHERWISE.
4" CONCRETE SLAB W/ WWF 6"X6" - W1.4XW1.4 OVER 15" MILL THICK POLYETHYLENE VAPOR BARRIER OVER 4" GRANULAR BASE AND COMPACTED SUBGRADE, TYPICAL.

1'-4"X1'-4" CONTINUOUS TOE FOOTING W/ #5 BAR AT TOP AND 2-#5 AT BOTTOM

LIGHT GA TRUSS AT 24" O.C. W/ 5/8" FIRE RETARDANT PLYWOOD SHEATHING

BOX BEAM SEE DETAIL ON TYPICAL DETAIL SHEET

6" LIGHT GAGE METAL STUDS AT 16" O.C. WITH 1/2" EXTERIOR GRADE, FIRE RETARDANT PLYWOOD SHEATHING, TYPICAL.

ATTACH TRACK TO SLAB USING: (2) 0.145" P.A.F.'S W/ 1 1/4" MIN EMBED AT EACH STUD OR @ 16" O.C. MAX. TYPICAL
REFER TO ENLARGED PLUMBING PLAN "A" FOR PIPING IN THIS AREA.

REFER TO ENLARGED PLUMBING PLAN "B" FOR PIPING IN THIS AREA.

3/4" WATER SUPPLY DOWN AT COLUMN.
PROVIDE SHUT-OFF VALVE IN VERTICAL RISER AT 6'-0" ABOVE FINISHED FLOOR.

HOLD TIGHT TO BOTTOM OF STRUCTURE.
PLUMBING CONTRACTOR TO CONNECT 2" WATER SUPPLY TO WATER SUPPLY MAIN (BY OTHERS) AT 5'-0" OUTSIDE OF BUILDING. COORDINATE EXACT LOCATION IN FIELD.

NOTE: COORDINATE EXACT LOCATION REFER TO RISER AND INVERT IN FIELD. DIAGRAM ON P301 FOR VENT PIPING.
NEW PLUMBING LINETYPE LEGEND

- NEW SANITARY SEWER PIPING
- NEW VENT PIPING
- NEW COLD WATER PIPING
- NEW HOT WATER PIPING

PLUMBING CONTRACTOR TO CONNECT TO SANITARY SEWER MAIN (BY OTHERS) AT 5' OUTSIDE OF BUILDING. COORDINATE EXACT LOCATION IN FIELD.

CONTRIBUTED ON OVERALL PLUMBING CONTRACTOR SHEET P101.

PLUMBING CONTRACTOR TO CONNECT TO WATER SUPPLY MAIN (BY OTHERS) AT 5' OUTSIDE OF BUILDING. COORDINATE EXACT LOCATION IN FIELD.

1. SANITARY SEWER RISER

2. WATER SUPPLY RISER

REVISIONS

RIDGECWAY RECREATION CENTER
US Highway 21 South
Ridgeway, SC 29130

PLUMBING RISERS

T-29-2022 P201
LOW SIDE WALL RETURN WITH HEAVY DUTY GYM GRILLE.

DOUBLE WALL EXPOSED DUCTWORK IN ENCLOSURE. ROUTE SUPPLY IN ENCLOSURE UP SIDE OF WALL.

PENETRATE APPROX 18'-0" A.F.F. DUCTSOX DUCTWORK TIGHT TO BOTTOM OF STRUCTURE. COORDINATE LOCATION OF DUCT WITH BASKETBALL GOALS PRIOR TO DUCT FABRICATION. (TYPICAL)

ROUTE FAN TO EXTERIOR. PROVIDE WITH WALL CAP BY FAN MFG. PROVIDE EF-2, EF-3 WITH GRILLE MOUNTED MOTION SENSOR 6"ø, 8"x8".

ROUTE 6" STAINLESS STEEL EXHAUST DUCT FROM RANGE HOOD TO EXTERIOR. PROVIDE WITH WALL CAP BY FAN MFG. COORDINATE CABINET BLANK OFF SECTION TO CONCEAL DUCTWORK WITH ARCHITECT 16"x14".

UNLESS OTHERWISE INDICATED, FLEX/GRILLE RUN OUT TO MATCH NECK SIZE OF GRILLE (TYPICAL)

PROVIDE WITH (8) DUCTSOX DIFFUSERS TO ACCOMODATED @440 CFM EACH. INSTALL AT 22 DEGREE ANGLE (TYPICAL)

1/8" = 1'-0" 1 FIRST FLOOR MECHANICAL FLOOR PLAN
CONTRACTOR TO SECURE REFRIGERANT LINES ON TOP OF EACH OTHER TIGHT AGAINST WALL IN GYM. PROVIDE PROTECTIVE SHROUD OVER LINES TO AVOID DAMAGE.

COORDINATE EXACT LOCATION OF CONDENSING UNITS PRIOR TO POURING CONCRETE PADS AND ROUTING REFRIGERANT LINES. REFRIGERANT LINES SHOWN DIAGRAMMATIC FOR CLARITY. ROUTE IN SHORTEST DISTANCE POSSIBLE IN NEAT ORDER.

CONTRACTOR TO ROUTE REFRIGERANT LINES ABOVE CEILING FROM AIR HANDLER IN NEAT AND IN SHORTEST DISTANCE POSSIBLE WITH LEAST AMOUNT OF ELL’S TO UNITS AS INDICATED. SECURE WITH MECHANICAL FASTNERS TO STRUCTURE. (TYPICAL)

SECURE REFRIGERANT LINES WITH MECHANICAL PIPE SUPPORTS AS INDICATED ON DETAILS.

STACK REFRIGERANT LINES IN NEAT MANNER ON TOP OF EACH OTHER AND ROUTE TO HP-1, DAC-1, AND DHP-1 AS INDICATED.

6" CONCRETE PAD BY MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH ARCHITECT AND GENERAL CONTRACTOR PRIOR TO SETTING UNITS. (TYPICAL OF 3)
MECHANICAL NOTES

- DO NOT SCALE DRAWINGS. ROUGH FROM EQUIPMENT MANUFACTURER AND ARCHITECTURAL DRAWINGS.
- DIMENSIONS NOTED ON PLANS ARE IN INCHES UNLESS OTHERWISE NOTED.
- DIMENSIONS SHOWN ON DRAWINGS ARE NOT TO SCALE. ACTUAL PARTS SHALL BE SHAPED THE SAME AS SHOWN ON DRAWINGS.
- ALL EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. NO FOREIGN PIPING ALLOWED ON PROJECT.
- PROVIDE TESTING AND BALANCING OF ALL SYSTEMS BY A THIRD PARTY NEBB CERTIFIED T&B CONTRACTOR.
- SUBMIT T&B FORMS PRIOR TO PERFORMING WORK FOR APPROVAL.
- SUBMITTING TO ENGINEER/ARCHITECT WITH "APPROVED" OR "APPROVED AS NOTED" STAMPS FOR ENGINEER'S SIGNATURES WHEN APPLICABLE.

MECHANICAL SYMBOLS

- ALL PIPING SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. NO FOREIGN PIPING ALLOWED ON PROJECT.
- ALL SUPPLY AIR DUCT SECTIONS SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. NO FOREIGN PIPING ALLOWED ON PROJECT.
- PROVIDE TESTING AND BALANCING OF ALL SYSTEMS BY A THIRD PARTY NEBB CERTIFIED T&B CONTRACTOR.
- SUBMIT T&B FORMS PRIOR TO PERFORMING WORK FOR APPROVAL.
- SUBMITTING TO ENGINEER/ARCHITECT WITH "APPROVED" OR "APPROVED AS NOTED" STAMPS FOR ENGINEER'S SIGNATURES WHEN APPLICABLE.

AIR DISTRIBUTION SCHEDULE

<table>
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<tr>
<th>SYMBOL</th>
<th>TYPE</th>
<th>MANUFACTURER</th>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
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<td>A</td>
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### Ductless System Schedule

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<td>EF-2,3</td>
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### Package Heat Pump Schedule

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<td>WP-120</td>
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### Electric Wall Heater Schedule

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### Exhaust Hood Schedule

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### Equipment Connection Schedule

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<th>CONNECTION DESCRIPTION</th>
<th>VOLTAGE</th>
<th># OF POLES</th>
<th>LOAD (KVA)</th>
<th>TURN-OF</th>
<th>DISC. TYPE</th>
<th>DISC. RATING</th>
<th>TRIP / FUSE</th>
<th>NEMA</th>
<th>NOTES</th>
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</table>

**Equipment Connection Schedule Notes:**
1. "P" denotes disconnect switch internal with mechanical equipment.
2. "S" denotes disconnect is furnished and installed by electrical contractor.
3. For disconnect type, "P" denotes plug type, "S" denotes non-plug type, and "N" denotes internal plug type and disconnect assembly.

### Light Fixture Schedule

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>TYPE</th>
<th>DESCRIPTION MANUFACTURER</th>
<th>CAT #</th>
<th>LUMENS</th>
<th>COLOR TEMP</th>
<th>TXT LOAD</th>
<th>VOLTS</th>
<th>MOUNTING REMARKS</th>
<th>NOTES</th>
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</table>

**Light Fixture Schedule Notes:**
1. Luminaries listed in schedule are intended for use in the trade.
2. See architectural plans and elevations for exact locations and related notes.
3. Duplex quantities of fixtures shown in RCP and electrical drawings or plans may require additional fixtures to meet minimum design requirements for each area.
4. Emergency luminaries shall be equipped with data.

### Lighting Control Scheme Legend

- [Legend Image]

**Lighting Control Scheme Notes:**
1. All automatic controls shall be installed in the trade.
2. Set controls for all occupant groups and sensor devices to go off.
3. Manual pull switch may be part of the control panel, refer to plans for manual pull switch location.
4. Rooms with dedicated fire extinguisher. Emergency sensor equipment after hours.

### Specialty Equipment Schedule

<table>
<thead>
<tr>
<th>UNIT</th>
<th>ELECTRICAL SUMMARY</th>
<th>SYMBOL</th>
<th>TYPE</th>
<th>LOAD (KVA)</th>
<th>NEMA</th>
<th>NOTES</th>
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**Specialty Equipment Schedule Notes:**
- [Notes Image]