

300 CHASE PARK SOUTH • SUITE 200 • HOOVER, ALABAMA 35244  
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**ADDENDUM NO. 4**  
**NEW SOFTBALL COMPLEX FOR TRUSSVILLE CITY SCHOOLS**  
**Architect Job No. 23-72**  
**April 9, 2024**  
**DCM # Pending**

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**BIDS DUE:**

Thursday, April 25, 2024  
until 2:00 p.m., local time  
at Trussville City Board of Education,  
476 Main Street  
Trussville AL 35173

**MANDATORY PRE-BID MEETING:**

Wednesday, April 10, 2024  
at 10:00 a.m., local time  
at Trussville City Board of Education,  
476 Main Street  
Trussville AL 35173

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The Plans and Specifications are here by amended. The following supersedes all contrary and/or conflicting information and is made part of the contract documents.

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**DRAWINGS**

1. See the attached **C0.1** – CIVIL NOTES revised General Notes to **ADD**:  

“11. GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ADEM PERMIT PRIOR TO START OF CONSTRUCTION. CONSTRUCTION SITE IS WITHIN ADEM PRIORITY WATERSHED. FULL CBMPP PLAN WILL BE REQUIRED BY THE CONTRACTOR. 3 PHASE EROSION CONTROL PLANS ARE INCLUDING HERIN; CONTRACTOR SHALL REFERENCE BMP'S NECESSARY TO MEET ALL PERMIT REQUIREMENTS.”
2. See the attached **C5.0** – SITE UTILITY PLAN revised to **ADD “REMOVE & REPLACE ALL CONCRETE CURB & GUTTER.”**
3. See the attached **REVISED C5.1** – **JCES PLAN & PROFILE.**
4. See attached Sheet **P1.2** – PLUMBING – HIT HOUSE FLOOR PLANS for revisions to 4 Pressure – Enlarged – HIT House Lower Level.
5. See attached Sheet **M0.3** – MECHANICAL – SCHEDULES for revisions to ERU-1 Schedule.

6. Sheet **E3.2** – FLOOR PLANS – LIGHTING **REVISE** circuit RPH-2 in VARSITY LOCKER ROOM D101 to now read RPH-3 to match Relay Panel LCP-h Schedule. Circuit numbers at light fixture were correct.
7. Sheet **E4.2** – FLOOR PLAN – POWER **REVISE** breakers serving circuits RPH-29 through 41 to all be GFCI breakers.

**GENERAL NOTES:**

- 1. LBYD, INC. SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. LBYD IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
2. ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY ON-SITE PERSONNEL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO LBYD IMMEDIATELY.
3. EXISTING UTILITIES TO REMAIN MAY BE LOCATED WITHIN PROPOSED DEMOLITION AREAS. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THESE AREAS TO ENSURE NO UTILITY SERVICE INTERRUPTIONS TO FACILITIES THAT REMAIN OR TO ADJACENT PROPERTIES.
4. ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED, TO REMAIN.
5. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY. NOTIFY LBYD OF ANY DISCREPANCIES PRIOR TO SUBMITTING PRICES OR ORDERING MATERIALS.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
9. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY THE OWNER AND PERFORMED BY ARRINGTON ENGINEERING & LAND SURVEYING, CO.
10. TOPOGRAPHIC INFORMATION WAS PERFORMED VIA GROUND RUN FORMAT.
11. GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ADEM PERMIT PRIOR TO START OF CONSTRUCTION. CONSTRUCTION SITE IS WITHIN ADEM PRIORITY WATERSHED. FULL CBMP PLAN WILL BE REQUIRED BY THE CONTRACTOR. 3 PHASE EROSION CONTROL PLANS ARE INCLUDING HEREIN; CONTRACTOR SHALL REFERENCE BMP'S NECESSARY TO MEET ALL PERMIT REQUIREMENTS.

**SITE DEMOLITION NOTES:**

- 1. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO ANY DEMOLITION REGARDING ITEMS TO BE SALVAGED, RECYCLED, AND REUSED. CONTRACTOR SHALL REMOVE ITEMS TO BE SALVAGED WITH EXTREME CAUTION TO PREVENT DAMAGE. CONTRACTOR SHALL TURN ALL SALVAGED ITEMS OVER TO OWNER.
2. CONTRACTOR SHALL COORDINATE WITH OWNER AND THE UTILITY PROVIDER PRIOR TO THE DISCONNECTING OR REMOVAL OF ANY UTILITY SERVICE TO THE EXISTING BUILDINGS. ALL UTILITIES TO BE REMOVED ARE TO BE CAPPED OR PLUGGED OR TERMINATED ACCORDING TO THE UTILITY OWNERS REQUIREMENTS.
3. REFER TO SITE GRADING AND UTILITY PLANS FOR PROPOSED UTILITY AND DRAINAGE INSTALLATION AND REMOVAL.
4. REFER TO LAYOUT AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION RELATING TO PAVING, CURB, SIDEWALKS, HARDSCAPES, ETC. REMOVE EXISTING CURBS AS NEEDED TO INSTALL PROPOSED IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE WITH OWNER AND THE UTILITY PROVIDER PRIOR TO THE DISCONNECTING OF ANY UTILITY SERVICE TO THE EXISTING BUILDINGS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, RELOCATION OR PROTECTION OF ALL ABOVE AND BELOW GROUND EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS UNLESS NOTED.
7. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE TRANSPORTED AND DISPOSED OF AT LEAST WEEKLY IN A LEGAL AND APPROVED MANNER.
8. ALL EXISTING PAVING, CURBS, HARDSCAPE, ETC. SHALL BE SAW CUT AT THE LIMITS OF REMOVAL IN ORDER TO PROVIDE A CLEAN EDGE. EXISTING PAVING AT EDGE SHALL BE MILLED BACK A MINIMUM OF 1.5 TO ENSURE SMOOTH TRANSITION.

**SITE LAYOUT NOTES:**

- 1. ALL HANDICAP RAMPS, SIGNS, SYMBOLS, AND PAINTED ISLANDS AND ACCESS ROUTES MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
2. THE MAXIMUM SLOPE IN HANDICAP PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL HANDICAP ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
3. ALL DIMENSIONS AND COORDINATES SHOWN ARE TO THE OUTSIDE FACE OF BUILDING, TO THE BACK OF CURB, OR TO THE EDGE OF SURFACING UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL PLANS FOR SPECIFIC BUILDING INFORMATION.
4. ALL STRIPING TO BE PER THE LATEST EDITION OF THE MUTCD UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SITE CONSTRUCTION TRAFFIC CONTROL PLAN AND OBTAINING ANY REQUIRED APPROVALS FROM THE LOCAL JURISDICTIONAL AUTHORITY. THE SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL TAKE INTO ACCOUNT THE ENTERING AND EXITING OF CONSTRUCTION TRAFFIC ONTO THE ROADWAY AND THE IMPACT TO THE FLOW OF TRAFFIC. THIS PLAN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. THIS SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL BE IN ADDITION TO ANY TRAFFIC CONTROL PLAN PROVIDED IN THE PLAN SET FOR ROADWAY IMPROVEMENTS.
6. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ELEVATIONS OF ALL AT-GRADE STRUCTURES AND UTILITIES TO REMAIN (VALVE BOXES, MANHOLES, INLETS, VAULTS, ETC) TO MATCH PROPOSED FINISHED GRADES.

**GRADING NOTES:**

- 1. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING.
2. ALL TOPSOIL SHALL BE STRIPPED WITHIN THE PROPOSED LIMITS OF GRADING AND SHALL BE STOCKPILED ON-SITE IN AN APPROVED LOCATION FOR LATER USE WITH ANY EXCESS TO BE DISPOSED OF OFF-SITE ONCE ALL LANDSCAPED AREAS HAVE BEEN BROUGHT TO FINISH GRADE UNLESS OTHERWISE NOTED ON THE PLANS.
3. SUBGRADE SHALL BE PROOF ROLLED WITH A HEAVILY LOADED DUMP TRUCK AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL. ANY AREAS SHOWING SIGNS OF PUMPING, RUTTING, OR ANY UNSUITABLE (ORGANIC, SOFT, WET, LOOSE) MATERIAL FOUND IN PLACE SHALL BE UNDERCUT AND REPLACED, OR MOISTURE CONDITIONED AND COMPACTED TO THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW.
4. ALL EXPOSED SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12", MOISTURE CONDITIONED, AND RECOMPACTED, AS NEEDED TO ACHIEVE THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW, UNLESS OTHERWISE DETERMINED BY A GEOTECHNICAL ENGINEER.
5. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT PREPARED SUBGRADE AND RESTORE TO PROJECT SPECIFICATIONS IF DAMAGED OR COMPROMISED DUE TO INCLIMENT WEATHER AND/OR CONSTRUCTION TRAFFIC.
6. FILL MATERIAL SHALL HAVE THE FOLLOWING PROPERTIES: VIRTUALLY FREE OF ORGANICS, NO ROCK FRAGMENTS GREATER THAN 4" WITHIN 4" OF FINISH GRADE, LIQUID LIMIT NOT EXCEEDING 50, PLASTICITY INDEX NOT EXCEEDING 10, AND A MAXIMUM DRY DENSITY OF NO LESS THAN 100PCF AS DETERMINED BY ASTM D-698, STANDARD PROCTOR.
7. PLACE FILL MATERIAL IN 8" MAXIMUM LOOSE LIFTS AND COMPACT TO REQUIREMENTS LISTED BELOW.
8. COMPACTION TESTS SHALL BE TAKEN AT THE RECOMMENDATION OF THE ON-SITE GEOTECHNICAL ENGINEER, BUT AT A MINIMUM EVERY 2,500 SQUARE FEET OF AREA PER 8" LIFT.
9. FILL MATERIAL TO BE WITHIN ±2.0% OF OPTIMUM MOISTURE CONTENT AT THE TIME OF COMPACTION, UNLESS OTHERWISE DETERMINED BY A GEOTECHNICAL ENGINEER.

Table with 5 columns: Material Type, % Maximum Dry Density, and 98%, 96%, 98%, 95% values for various materials like Subgrade, Fill, etc.

\*STRUCTURAL AREAS INCLUDE ZONES OF INFLUENCE AROUND THE BUILDING, PAVEMENT AREAS, FILL SLOPES, ETC.

- 11. COMPACTION WITHIN LIMITED SPACES (I.E. MANHOLES, INLETS, UTILITY TRENCHES) SHOULD BE BACKFILLED AND COMPACTED SYSTEMATICALLY, AT THE DIRECTION OF THE ON-SITE GEOTECHNICAL ENGINEER. STONE BACKFILL SHALL BE INSTALLED IN 12" MAXIMUM LOOSE LIFTS AND COMPACTED WITH 6-8 PASSES OF A VIBRATORY COMPACTOR.
12. CLEARING LIMITS SHALL BE 5' OUTSIDE OF ALL PROPOSED GRADED AREAS OR NOT BEYOND THE PROPERTY LINES WHICHEVER IS LESS.
13. NO GRADING OFF-SITE OR IN ANY ROAD RIGHT-OF-WAY WITHOUT PROPER APPROVALS AND PRIOR NOTIFICATION.
14. COORDINATE THE SEQUENCING OF ALL GRADING OPERATIONS WITH THE EROSION CONTROL PLAN.
15. THE MAXIMUM SLOPE IN HANDICAP PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL HANDICAP ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
16. ALL GRADING ADJACENT TO EXISTING OR PROPOSED BUILDINGS SHALL BE SLOPED AWAY FROM THE STRUCTURES AT A MINIMUM OF 1.0% GRADE. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM THE STRUCTURES. NOTIFY LBYD OF ANY DISCREPANCIES.
17. PROPOSED GRADES INDICATED ON THIS PLAN ARE TO FINISH GRADE. THE CONTRACTOR SHALL MAKE SUBGRADE ADJUSTMENTS FOR TOPSOIL, PAVING, BUILDING PAD, ETC.
18. FILL SLOPES SHOULD BE BENCHED INTO THE EXISTING SLOPES AND SHOULD BE COORDINATED WITH THE ONSITE

- GEOTECHNICAL ENGINEER FOR BENCH DETAILS (HEIGHT AND DEPTH OF BENCH INTO THE SLOPE.)
19. RETAINING WALL GRADES: GTW INDICATES FINISHED GRADE AT TOP OF WALL, GBW INDICATES FINISHED GRADE AT BOTTOM OF WALL. ACTUAL WALL HEIGHT MUST BE A MINIMUM OF 6" ABOVE FINISHED GRADE AT TOP OF WALL.
22. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY TERRACON PROJECT NUMBER E1235230 AND IS AVAILABLE FOR INFORMATION PURPOSES. THE CONTRACTOR SHALL REVIEW THIS REPORT, VISIT THE SITE AND COMPLETE ANY ADDITIONAL EXPLORATIONS THAT IT FEELS NECESSARY IN ORDER TO PROVIDE A SATISFACTORY BID.
24. DEWATERING SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION. REROUTE SURFACE WATER RUNOFF AWAY FROM EXCAVATED AREAS. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES. INSTALL A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS. MAINTAIN UNTIL DEWATERING IS NO LONGER REQUIRED. IF GROUNDWATER DEWATERING IS REQUIRED, CONTRACTOR IS TO OBTAIN ANY PERMITS AS MAY BE REQUIRED PRIOR TO DISCHARGE OF EFFLUENT FROM DEWATERING.
25. GRADING ADJACENT TO THE BUILDING SHALL BE COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FOUNDATION WALLS, STEM WALLS, DRAINS, AND OTHER CONDITIONS. THE CONTRACTOR SHALL NOTIFY LBYD INC. OF ANY DISCREPANCIES.

**MODULAR WALL NOTES:**

- 1. MODULAR RETAINING WALLS SHALL BE A TOTAL DESIGN BUILD BY THE CONTRACTOR. THE CONTRACTOR'S WALL DESIGNER/INSTALLER SHALL HAVE AT LEAST 10 YEARS OF EXPERIENCE IN THE DESIGN AND INSTALLATION OF SEGMENTAL RETAINING WALLS.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, INCLUDING WALL DETAILS AND DESIGN PARAMETERS, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ALABAMA.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A GEOTECHNICAL ENGINEER TO PERFORM SITE EXPLORATION TO GATHER INFORMATION CONCERNING SUBSURFACE SOILS TO BE USED IN THE DESIGN OF THE WALL. A WALL SPECIFIC GEOTECHNICAL REPORT/LETTER STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ALABAMA SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS.
4. WALL DESIGNER SHALL EVALUATE INTERNAL STABILITY, EXTERNAL STABILITY, AND OVERALL GLOBAL STABILITY FOR THE WALL DESIGN. SAFETY FACTORS FOR THE WALL DESIGN SHALL BE IN ACCORDANCE WITH NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS.
5. CONTRACTOR SHALL ACCOUNT FOR ANY DRAINAGE CONDITIONS OCCURRING ABOVE THE WALL SUCH AS A FLUME OR SWALE TO ELIMINATE DRAINAGE RUNOFF OVER THE TOP OF THE WALL.

**STORM DRAINAGE NOTES:**

- 1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL STORM PIPE MATERIALS TO LBYD PRIOR TO INSTALLATION AND/OR FABRICATION.
2. ALL PROPOSED STORM INLETS (GRATES, CURB, YARD, AREA DRAINS) ARE TO BE LOCATED AT THE LOWPOINTS. GRADING SHALL BE TO DIRECT RUNOFF TO THESE INLETS. NOTIFY LBYD OF ANY DISCREPANCIES.
3. STORM DRAINAGE SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY LBYD OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED STORM PIPE GRADES AND POINTS OF CONNECTION PRIOR TO INSTALLATION. LBYD SHALL BE NOTIFIED OF ANY DEVIATIONS PRIOR TO CONSTRUCTION.
5. PROPOSED STORM PIPES 30" AND LESS SHALL BE BEDDED IN 4" OF CRUSHED AGGREGATE AND STORM PIPES 36" AND GREATER SHALL BE BEDDED IN A 6" OF CRUSHED AGGREGATE.
6. ALL STORM PIPES 15" AND LESS SHALL BE SMOOTH LINED HIGH DENSITY POLYETHYLENE (HDPE) OR SCHEDULE 40 POLYVINYL CHLORIDE (PVC) WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED, INSTALLED PER MANUFACTURERS RECOMMENDATIONS. ALL STORM PIPES 18" AND GREATER SHALL BE CLASS 3 REINFORCED CONCRETE PIPE (RCP) BELL AND SPIGOT INSTALLED WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED.
7. ALL STORM MANHOLES SHALL BE PRECAST CONE, RISER, AND BASE SECTIONS WITH GASKETED JOINTS MEETING ALDOT SPECIAL DRAWING # MH-612-1.
8. ALL BURIED JUNCTION BOXES SHALL BE PER ALDOT SPECIAL DRAWING # JB-620-B OR TB-620-C DEPENDING ON FILL HEIGHT.
9. CONTRACTOR SHALL PROVIDE CAST IRON DOWNSPOUT BOOTS, CLEANOUTS AND COLLECTOR LINES FROM ALL EXTERIOR DOWNSPOUTS TO CONNECT TO PRIMARY STORM DRAINAGE SYSTEM. COORDINATE WITH EXTERIOR ELEVATIONS, ROOF AND PLUMBING PLANS FOR DOWNSPOUT LOCATIONS. COORDINATE DOWNSPOUT MODEL NUMBER WITH THE ARCHITECT.
10. CONTRACTOR SHALL COORDINATE ROOF DRAIN COLLECTOR LINES, DOWNSPOUTS AND BOOTS WITH FOOTING ELEVATIONS ON THE STRUCTURAL PLANS PRIOR TO POURING FOOTINGS. TOP OF FOOTINGS SHALL BE A MINIMUM OF 3' BELOW GRADE AT ALL ROOF DRAIN DOWNSPOUT LOCATIONS TO ENSURE ADEQUATE COVER TO TRANSITION TO BELOW GRADE PIPING.
11. PROVIDE 4" PVC SCHEDULE 40 GRAVITY DRAIN LINE FROM ALL BELOW GRADE UTILITY VAULTS TO THE NEAREST STORM DRAINAGE INLET OR DAYLIGHT AT GRADE.

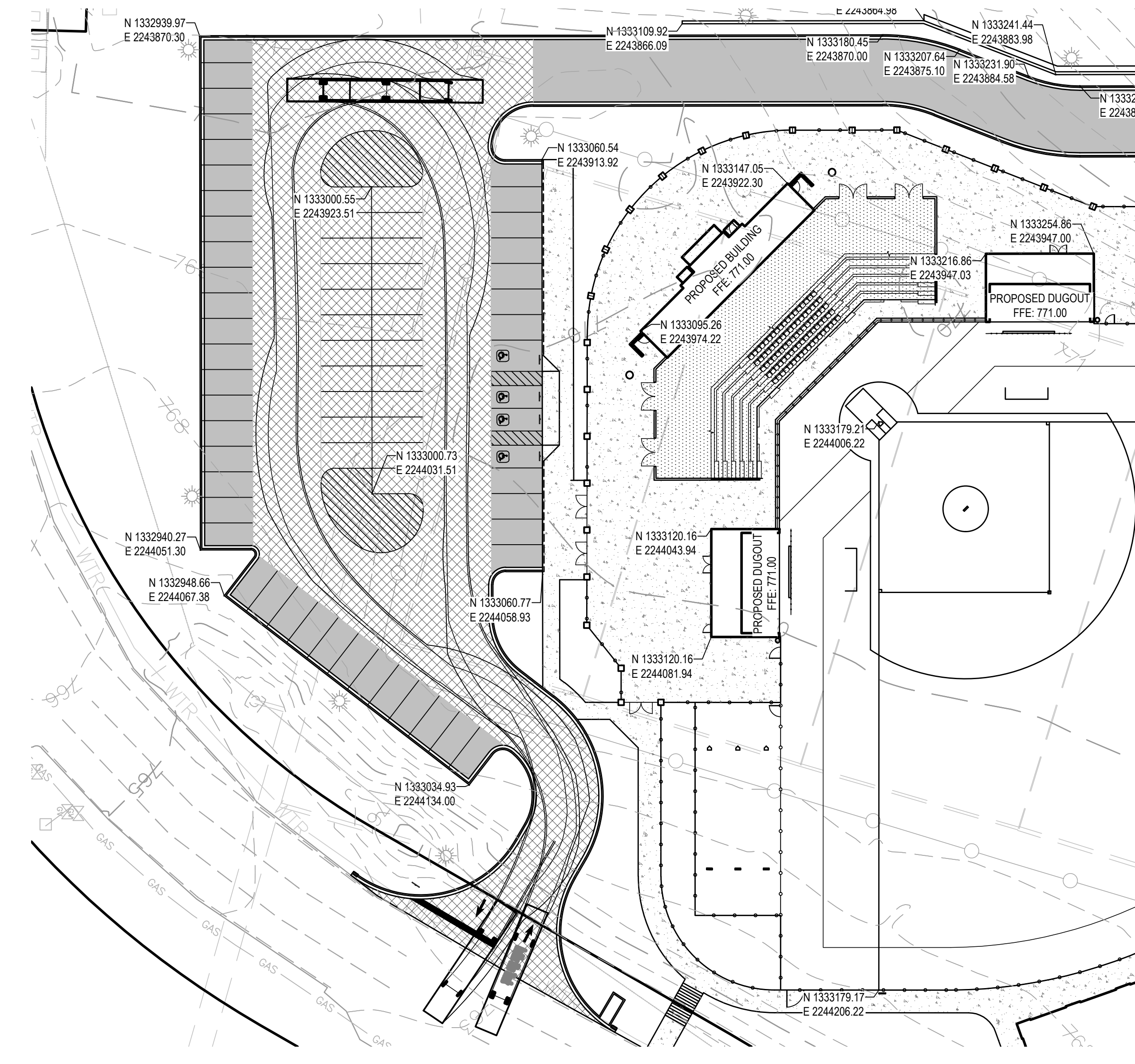
**EROSION CONTROL NOTES:**

- 1. SITE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A "NOTICE OF INTENT"(NOI) FROM ADEM. THE OWNER SHALL BE RESPONSIBLE FOR ALL MONITORING, INSPECTIONS, ETC. TO ENSURE THAT THE SITE IS AT ALL TIMES IN ACCORDANCE WITH ADEM RULES & REGULATIONS. DOCUMENTATION OF INSPECTIONS BY A Q.C.I. OR Q.C.P. SHALL BE MAINTAINED BY THE CONTRACTOR AND PROVIDED TO THE OWNER AT HIS/HER REQUEST. ANY AND ALL FEES, FINES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING THE CONSTRUCTION PROCESS AND UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL EROSION CONTROL INSTALLATION AND MAINTENANCE SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
4. EROSION CONTROL DEVICES SHOWN ON THESE PLANS ARE A MINIMUM AND ARE DEPENDENT ON THE CONTRACTOR'S CONSTRUCTION PHASING OF THE PROJECT. ADDITIONAL DEVICES SHALL BE INSTALLED AS REQUIRED TO PREVENT SILTATION, EROSION AND OTHER DEGRADATION OR POLLUTION TO THE SITE OR ADJACENT PROPERTIES, STREAMS, DITCHES, AND PUBLIC ROADWAYS. ADDITIONAL MEASURES MAY INCLUDE, AS MINIMUM, TEMPORARY SEDIMENT BASINS, CONSTRUCTION EXITS PAD, VEHICLE WASH RACKS, SILT FENCING, STRAW AND RIP RAP CHECK DAMS, DIVERSION DITCHES, ETC. THESE ADDITIONAL MEASURES SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
5. EROSION CONTROL DEVICES SHALL INCLUDE, BUT NOT LIMITED, TO THE FOLLOWING DEVICES: SILT FENCING, BRUSH BERMS, SEDIMENT BASINS, DETENTION PONDS, STRAW WATTLES, CHECK DAMS, FILTER BERMS, JUTE MATTING, VEGETATIVE FILTER STRIPS, TURF REINFORCEMENT MAT, DIVERSION BERMS, ETC.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES IN GOOD OPERATING CONDITION DURING ALL LAND DISTURBING ACTIVITIES. THIS RESPONSIBILITY SHALL INCLUDE THE CLEANUP AND/OR REPAIRS TO THE DEVICES AT NO ADDITIONAL COST TO THE OWNER.
7. EROSION CONTROL DEVICES SHALL BE MONITORED AND MAINTAINED UNTIL THE SITE HAS BEEN PERMANENTLY STABILIZED AND AFTER EACH RAINFALL GREATER THAN 0.75 INCHES IN A 24 HOUR PERIOD, ANY WIND GUSTS GREATER THAN 25 MPH, AND ANY SUSTAINED WINDS GREATER THAN 20 MPH IN A 24 HOUR PERIOD.
8. AFTER ALL LAND DISTURBANCE ACTIVITIES HAVE CEASED AND AFTER ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED, THE EROSION CONTROL DEVICES SHALL BE REMOVED BY THE CONTRACTOR AND THE AREA CLEANED AND DRESSED.
9. DEWATERING OPERATIONS MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR POLLUTION TO ADJACENT PROPERTIES, STREAMS, DITCHES, OR PUBLIC ROADWAYS.
10. A GRAVELED ACCESS DRIVE OF SUFFICIENT SIZE SHALL BE AT EACH SITE ENTRANCE/EXIT TO PREVENT TRACKING OF DIRT AND SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS. IF SEDIMENT REACHES THE ROADWAY, THEN IT MUST BE CLEANED AT THE END OF EACH WORKDAY.
11. ALL LAND DISTURBANCE ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE EXPOSURE OF BARE AREAS AT ANY ONE TIME.
12. ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN 13 DAYS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH ALDOT SPECIFICATIONS SECTION 652 AND 656.
13. ALL PREVIOUSLY GRADED AREAS SHALL RECEIVE 4 INCHES OF TOPSOIL AND PERMANENT GRASSING UNLESS OTHERWISE INDICATED ON THE LANDSCAPE PLAN.
14. PRIOR TO SITE CLEARING, ALL PERIMETER SILT FENCING, BRUSH BERMS, ETC. AND GRAVELED ACCESS DRIVES SHALL BE INSTALLED.
15. ALL EXISTING STREAMS, DITCHES, ETC. SHALL BE PROTECTED FROM SEDIMENTS AND SILTS BY SILT FENCING, WATTLES, BRUSH BERMS, ETC.
16. WATTLES OR SILT FENCING SHALL BE INSTALLED AT ALL INLETS UPON THE COMPLETION OF EACH INLET AS INSTALLED.
17. RIP RAP SHALL BE PLACED AT EACH HEADWALL IMMEDIATELY FOLLOWING CONSTRUCTION OF EACH HEADWALL.
18. GEOTEXTILE SHALL BE PLACED ON ALL 2:1 SIDE SLOPES. GEOTEXTILE SHALL BE NORTH AMERICAN GREEN (SC150) OR APPROVED EQUAL UNLESS OTHERWISE NOTED ON PLANS. ALL GEOTEXTILES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
19. GEOTEXTILE SHALL BE PLACED ON ALL 3:1 SIDE SLOPES. GEOTEXTILE SHALL BE NORTH AMERICAN GREEN S150 OR

- APPROVED EQUAL UNLESS OTHERWISE NOTED ON PLANS. ALL GEOTEXTILES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
20. GEOTEXTILE SHALL BE PLACED ON ALL DITCH BOTTOMS & 1' UP EACH SIDE. GEOTEXTILE SHALL BE NORTH AMERICAN GREEN SC150 OR APPROVED EQUAL UNLESS OTHERWISE NOTED ON PLANS. ALL GEOTEXTILES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

**UTILITY NOTES:**

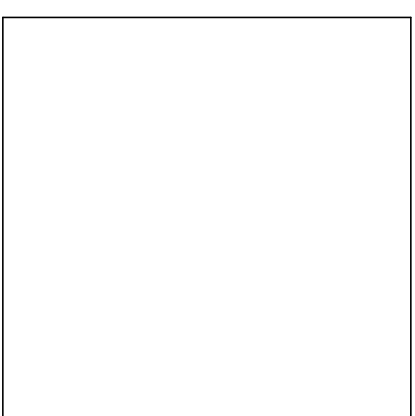
- 1. THE SITE CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL UTILITY SERVICES (WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, CABLE TV) FROM THE POINT THE RESPECTIVE UTILITY COMPANY COMPLETES THEIR WORK TO THE POINT OF CONNECTION AT THE BUILDING.
2. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, ETC. PLANS FOR ALL PROPOSED UTILITY POINTS OF CONNECTION AT THE BUILDING. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
3. GRAVITY SEWER SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY LBYD OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED GRAVITY SEWER PIPE GRADES AND POINTS OF CONNECTION PRIOR TO INSTALLATION. LBYD SHALL BE NOTIFIED OF ANY DEVIATIONS PRIOR TO CONSTRUCTION.
5. BACKFLOW PREVENTION AND METERING SHALL BE PROVIDED ON THE FIRE, DOMESTIC, AND IRRIGATION SERVICES IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY AND FIRE DEPARTMENT'S REQUIREMENTS.
6. WATER MAINS 4 INCHES IN DIAMETER AND GREATER SHALL BE PVC C900(CL.20 DR-14) AND WATER MAINS LESS THAN 3 INCHES IN DIAMETER SHALL BE PVC (SCHD.40) UNLESS OTHERWISE INDICATED ON THE PLANS.
7. WATER MAINS AND SERVICES SHALL BE A MINIMUM OF 10 FEET HORIZONTAL AND 2 FEET VERTICAL FROM ALL SANITARY SEWER MAINS AND LATERALS.
8. WATER MAINS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY'S REQUIREMENTS. ALL MAINS AND SERVICES SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER UNLESS OTHERWISE INDICATED ON PLANS.
9. ALL SANITARY SEWER MAINS AND LATERALS SHALL BE DUCTILE IRON (CL. 350) UNLESS OTHERWISE REQUIRED BY THE LOCAL UTILITY COMPANY.
10. ALL UNDERGROUND [ELECTRICAL, TELEPHONE, AND CABLE TV] SHALL BE INSTALLED IN PVC CONDUIT OR CONCRETE ENCASED DUCT BANK WITH PULL WIRE MEETING THE LOCAL UTILITY COMPANY'S REQUIREMENTS. INFORMATION SHOWN ON CIVIL DRAWINGS FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR SPECIFIC INFORMATION.
11. GAS SERVICE SHALL BE PER THE LOCAL UTILITY COMPANY'S REQUIREMENTS. INFORMATION SHOWN ON CIVIL DRAWINGS FOR REFERENCE ONLY. COORDINATE WITH MECHANICAL ENGINEER AND UTILITY COMPANY.
12. UTILITY TRENCHES SHALL BE BACKFILLED WITH COMPACTED FILL PLACED IN 6 INCH LOOSE LIFTS. FILL SHALL BE COMPACTED TO 98% STANDARD PROCTOR AND OPTIMUM MOISTURE CONTENT WITHIN ±2.0%.
13. WHEN INSTALLING UTILITIES IN EXISTING PAVED AREAS OR IN AREAS WHERE SOILS ARE CONSIDERED UNSUITABLE FOR BEDDING OR BACKFILLING, UTILITY TRENCHES SHALL BE BACKFILLED FULL DEPTH WITH CRUSHED AGGREGATE.
14. WHERE UTILITIES ARE TO BE INSTALLED IN AREAS OF EXISTING PAVING, HARDSCAPE, SIDEWALKS, ETC. CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING PAVING, HARDSCAPE, SIDEWALK ETC. AND REPLACE IN LIKE KIND AND RESTRIPE AS NECESSARY. BACKFILL TRENCH FULL DEPTH WITH STONE.
15. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ELEVATIONS OF ALL AT-GRADE EXISTING AND PROPOSED STRUCTURES AND UTILITIES TO REMAIN (VALVE BOXES, MANHOLES, INLETS, VAULTS, ETC) TO MATCH PROPOSED FINISHED GRADES.
16. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TAMPER SWITCHES AND ASSOCIATED CONDUIT, WIRING, ETC ON FIRE SERVICE POST INDICATOR VALVES AND VALVES IN FIT MOUNTED FIRE BACKFLOW PREVENTOR ASSEMBLIES. COORDINATE WITH FIRE PROTECTION AND ELECTRICAL PLANS.
17. PROVIDE 4" PVC SCHEDULE 40 GRAVITY DRAIN LINE FROM ALL BELOW GRADE UTILITY VAULTS TO THE NEAREST STORM DRAINAGE INLET OR DAYLIGHT AT GRADE.



**FIRE TRUCK ROUTING PLAN**



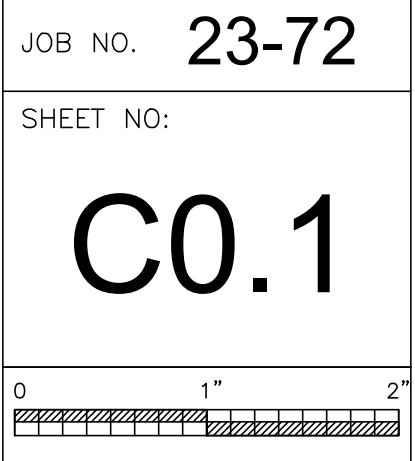
NEW SOFTBALL COMPLEX FOR TRUSSVILLE CITY SCHOOLS 6344 HUSKY PARKWAY, TRUSSVILLE, AL 35173 TRUSSVILLE CITY BOARD OF EDUCATION



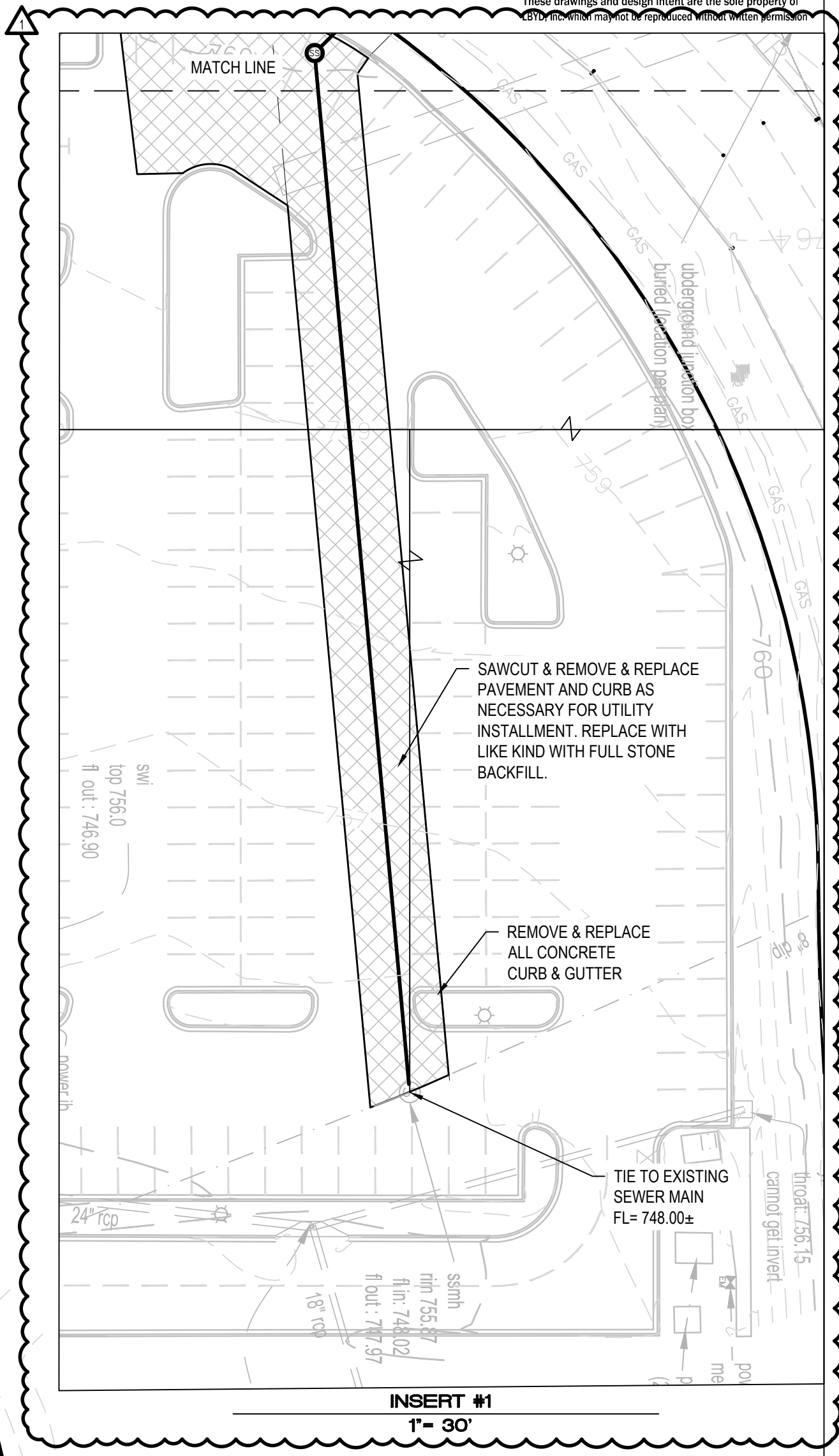
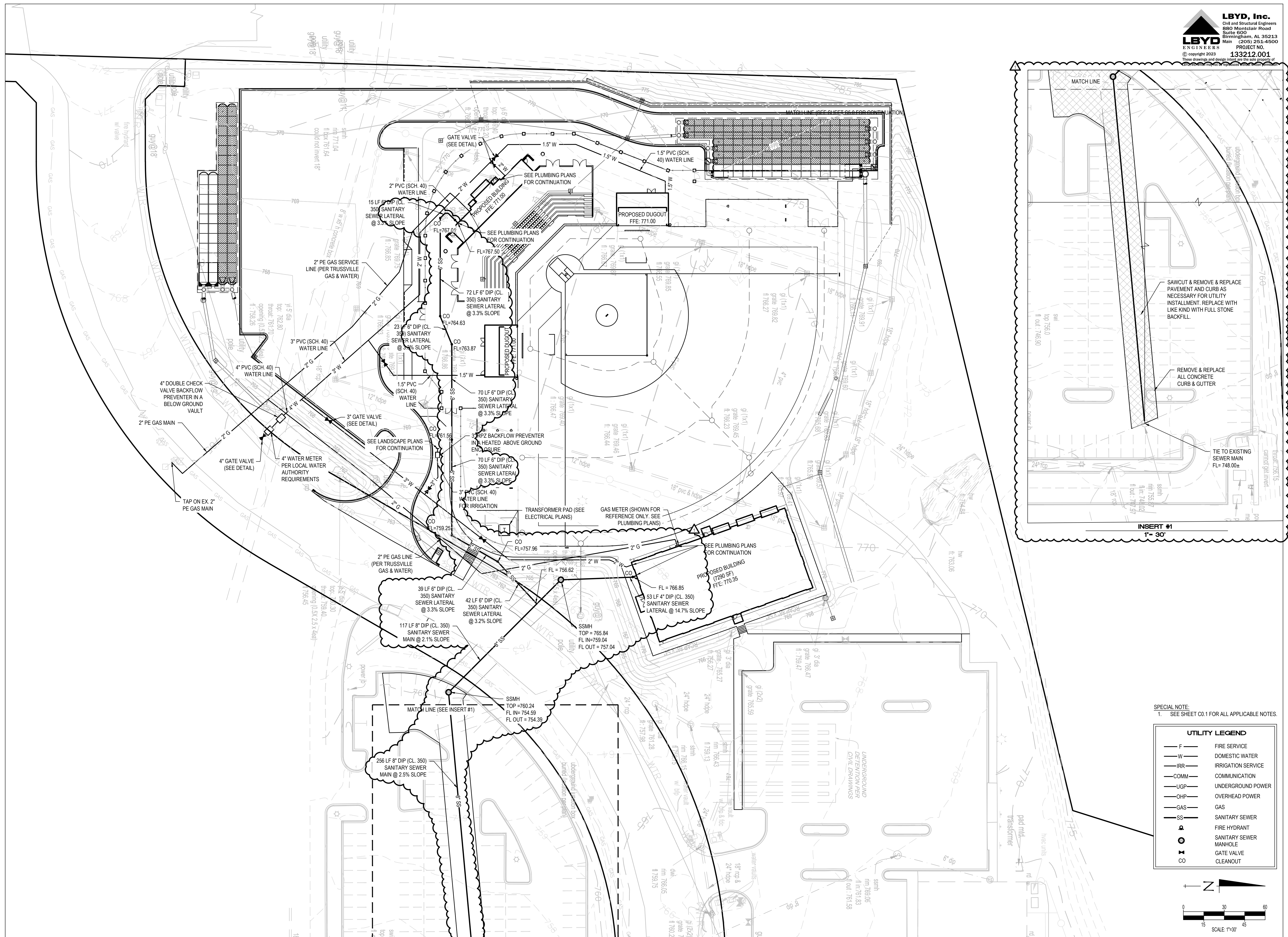
SHEET TITLE: CIVIL NOTES

PROJ. MGR.: MTH
DRAWN: IJB
DATE: MARCH 13, 2024
REVISIONS:
ADDENDUM 4

JOB NO. 23-72
SHEET NO. C0.1

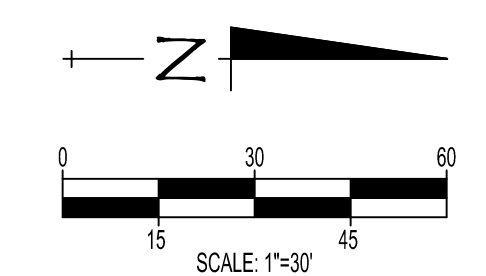




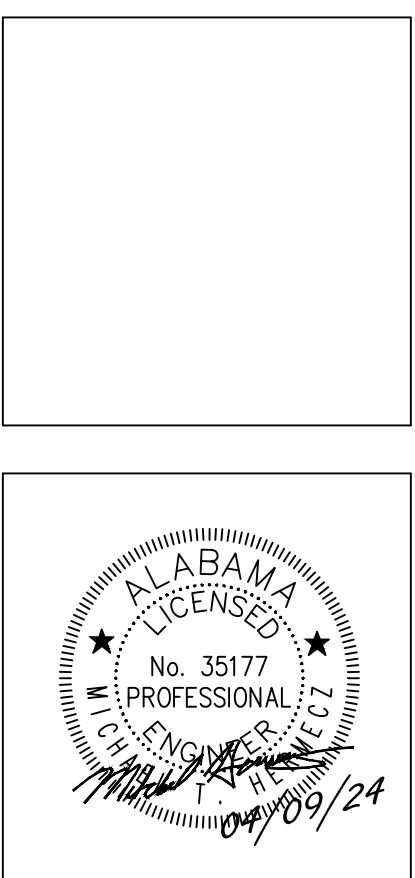


SPECIAL NOTE:  
 1. SEE SHEET CO.1 FOR ALL APPLICABLE NOTES.

UTILITY LEGEND	
— F —	FIRE SERVICE
— W —	DOMESTIC WATER
— IRR —	IRRIGATION SERVICE
— COMM —	COMMUNICATION
— UGP —	UNDERGROUND POWER
— OHP —	OVERHEAD POWER
— GAS —	GAS
— SS —	SANITARY SEWER
⊙	FIRE HYDRANT
⊙	SANITARY SEWER MANHOLE
⊙	GATE VALVE
CO	CLEANOUT



NEW SOFTBALL COMPLEX FOR  
**TRUSSVILLE CITY SCHOOLS**  
 6344 HUSKY PARKWAY, TRUSSVILLE, AL 35173  
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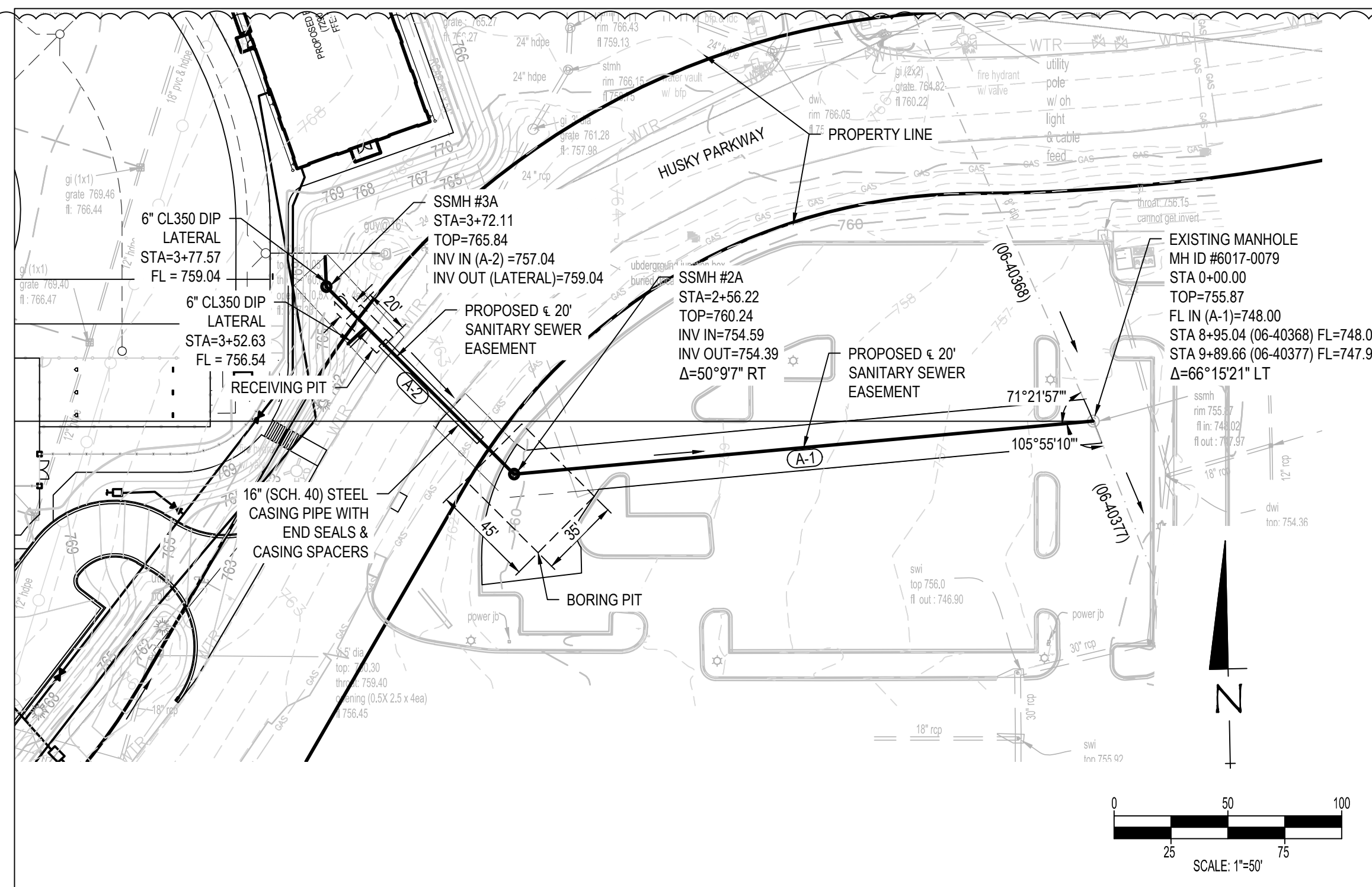


SHEET TITLE:  
 SITE UTILITY PLAN

PROJ. MGR.: MTH  
 DRAWN: JJB  
 DATE: MARCH 13, 2024  
 REVISIONS  
 Δ ADDENDUM 4

JOB NO. 23-72  
 SHEET NO:  
**C5.0**





**JEFFERSON COUNTY STANDARD NOTES FOR 8 INCH AND LARGER SANITARY SEWERS:**

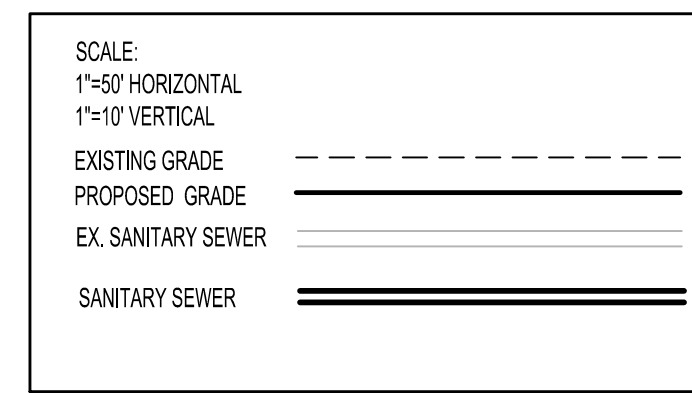
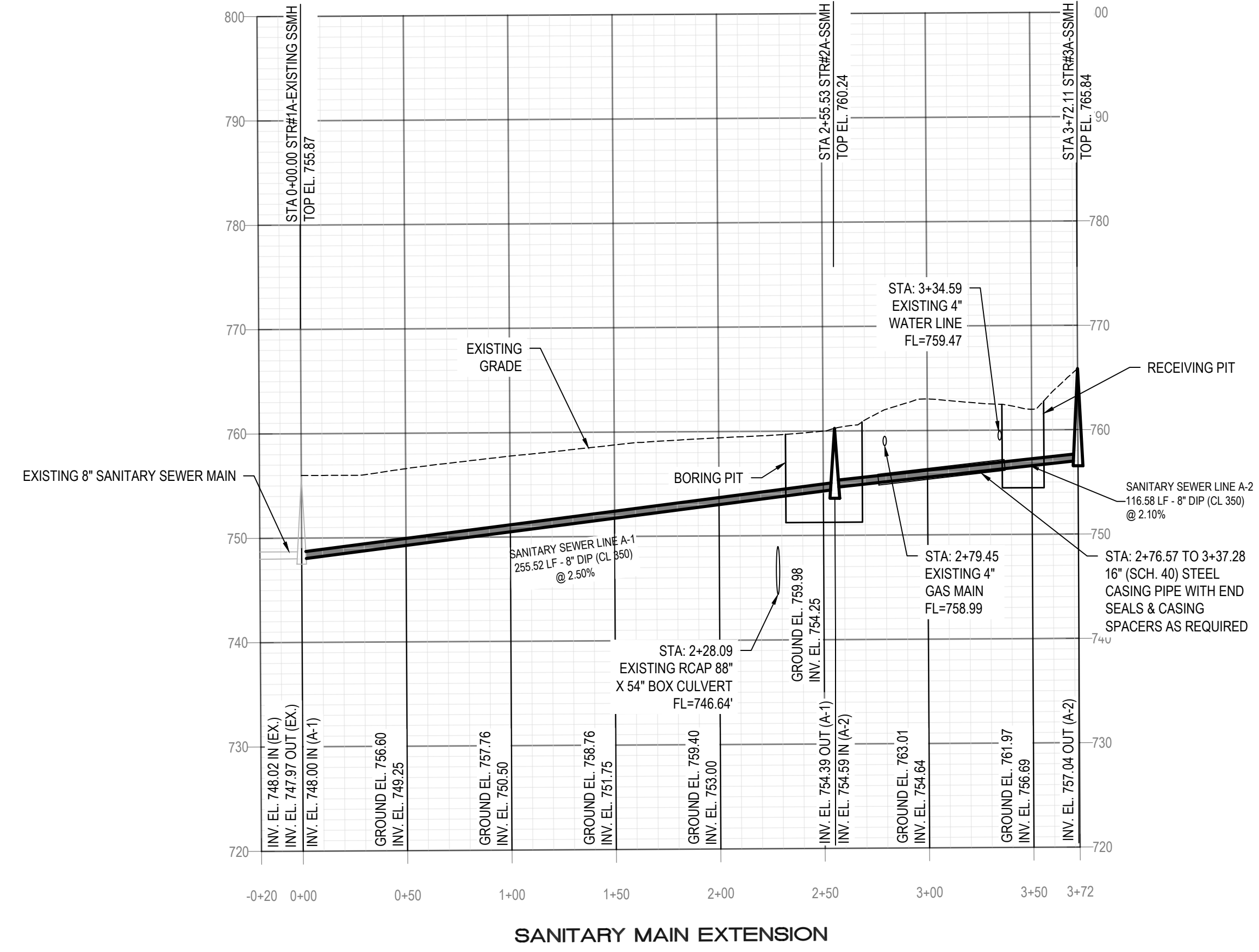
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF JEFFERSON COUNTY, THE LOCAL MUNICIPALITY AND/OR THE STATE HIGHWAY DEPARTMENT, AND APPLICABLE O.S.H.A. REGULATIONS, AS APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE JEFFERSON COUNTY ENVIRONMENTAL SERVICES DEPARTMENT AT 205/325-5127 AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION. THERE SHALL BE NO CHANGES IN DRAWINGS WITHOUT WRITTEN APPROVAL BY THE JEFFERSON COUNTY ENVIRONMENTAL SERVICES DEPARTMENT.
- DUCTILE IRON PIPE SHALL BE CLASS 350 OR BETTER.
- PVC PIPE SHALL BE AWWA C900, CAST IRON (CI) STANDARD DIMENSIONS. DIMENSION RATIO (DR) 18. PRESSURE CLASS (PC) 150 PSI OR BETTER.
- IN EARTH TRENCHES, 4" OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES OF 12" IN DIAMETER OR SMALLER AND 6" OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES LARGER THAN 12" IN DIAMETER. IN ROCK TRENCHES, 6" OF CRUSHED STONE SHALL BE PLACED UNDER ALL SEWERS. THE DITCH SHALL BE BACKFILLED WITH CRUSHED STONE TO A DEPTH OF 12" ABOVE THE TOP OF THE PIPE. WHEN CROSSING EXISTING ROADS AND STREETS, THE TOTAL BACKFILL SHALL BE CRUSHED STONE AND PROPERLY CHOKED.
- AT THE DIRECTION OF THE ESD INSPECTOR, A CONNECTION OF SANITARY SEWER PIPES (8" THROUGH 16") OF DISSIMILAR SIZES OR FOR REPAIR OF SANITARY SEWER PIPES OF SIMILAR MATERIALS MAY BE MADE BY MEANS OF AN APPROVED MECHANICAL SEAL TYPE ADJUSTABLE COUPLING. COUPLINGS WITH ANY REQUIRED ADAPTING BUSHINGS SHALL BE MANUFACTURED OF AN APPROVED PREFORMED ELASTOMERIC MATERIAL SPECIFICALLY FOR DIMENSIONS OF THE PIPE MATERIALS TO BE CONNECTED. COUPLINGS OF THE MECHANICAL SEAL TYPE SHALL HAVE NUT AND BOLT TIGHTENING CLAMPS OR DEVICES MADE OF 316 STAINLESS STEEL, WITH AN ADJUSTABLE STAINLESS STEEL SHEAR RING, AND STAINLESS STEEL HARDWARE. A CONCRETE COLLAR AS SHOWN ON APPENDIX STANDARD DRAWING SD2060 IS REQUIRED. THE ADJUSTABLE COUPLING SHALL BE INSTALLED AS RECOMMENDED AND SPECIFIED BY THE MANUFACTURER. EACH COUPLING SHALL BEAR THE MANUFACTURER'S NAME AND REQUIRED MARKINGS.
- MANHOLES SHALL MEET ASTM SPECIFICATIONS C-478. JOINTS BETWEEN THE MANHOLES SECTIONS SHALL BE OFFSET TONGUE AND GROOVE "PUSH ON" TYPE. SUPPLIED WITH TYLOX SUPER SEAL PRE-LUBRICATED GASKET AS MANUFACTURED BY HAMILTON KENT MEETING THE REQUIREMENTS OF ASTM C443. EACH JOINT SHALL ALSO BE SUPPLIED WITH CONSAL CS-231 WATERSTOP SEALANT AS MANUFACTURED BY CONCRETE SEALANTS. IN WIDTHS AS RECOMMENDED BY THE MANUFACTURER. MANHOLES SHALL HAVE A MINIMUM DIAMETER OF 48" AND A MINIMUM THICKNESS OF 5". ALL MANHOLE CONES SHALL BE OF THE

- CONCENTRIC TYPE. MANHOLES MAY BE FINISHED TO STREET GRADE WITH BRICK AND MORTAR. THIS ADJUSTMENT HEIGHT SHALL NOT EXCEED 6".
- STUBOUTS FOR SANITARY SEWER SERVICE LINES SHALL END ON OR NEAR THE PROPERTY LINE UNLESS OTHERWISE NOTED. ON "DOWNHILL" SIDE LOTS INSTALL LATERALS ON A MINIMUM 1% GRADE. ON "UPHILL" SIDE LOTS, INSTALL SERVICE LINES TO GRADE THAT WILL TERMINATE A MAXIMUM DEPTH OF 10 FEET. THE FIRST JOINT OUT OF A MANHOLE, FOR BUILDING OR HOUSE SERVICE, SHALL BE DUCTILE IRON PIPE CLASS 52 OR BETTER (MINIMUM 8 FEET). ANY BUILDING SERVICE LINE SET OUTSIDE OF EASEMENT OR R.O.W. MUST BE INSTALLED BY A MASTER PLUMBER AND HAVE A SEWER CONNECTION PERMIT FOR EACH LOT.
- IF THE CONTRACTOR IS INSTALLING SERVICE LINES AT THE SAME TIME AS MAIN LINE, THE SERVICE LINE SHALL BE INSTALLED IN ACCORDANCE WITH JEFFERSON COUNTY STANDARDS FOR CONSTRUCTION OF SERVICE LINES AND CONNECTIONS, AND INSPECTED/TESTED BY COUNTY INSPECTOR BEFORE IT IS BACKFILLED.
- ALL SERVICE LINE STUBOUTS INSTALLED IN ROAD ROW OR UNDER ASPHALT SHALL BE PER STANDARD SPECIFICATIONS FOR SANITARY SEWER SERVICE LINES AND CONNECTIONS SECTION 4.
- CONSTRUCTION SIGNS FOR WORK WITHIN AND ADJACENT TO PUBLIC ROADS, HIGHWAYS, AND ALLEYS SHALL BE IN ACCORDANCE WITH ALDOT STANDARDS.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE CONTINUOUS AND PROPER OPERATION OF ALL EXISTING UTILITIES LOCATED ON OR ADJACENT TO THE PROJECT SITE AND WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT.
- ALL EMBANKMENT FILL AREAS SHALL BE FILLED AND COMPACTED PRIOR TO EXCAVATION OF SEWER LINE TRENCHES.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS AND FOR ACQUISITION OF ALL PERMITS DURING CONSTRUCTION TO INSURE THAT DAMAGE DOES NOT OCCUR TO ADJACENT PROPERTIES, PUBLIC ROADS AND/OR DITCHES (CREEKS, STREAMS).
- UPON COMPLETION OF ALL OR ANY PART OF A SANITARY SEWER LINE, THE CONTRACTOR WILL BE REQUIRED TO TEST SAID SEWER FOR ACCEPTABILITY. GRAVITY SEWERS WILL BE PRESSURE TESTED WITH AIR. FORCE MAIN SEWERS WILL BE PRESSURE TESTED WITH WATER. MANHOLES WILL BE VACUUM TESTED. ALL TESTS WILL BE CONDUCTED IN THE PRESENCE OF THE COUNTY SEWER CONSTRUCTION INSPECTOR IN ACCORDANCE WITH SECTION 5.00 STANDARDS FOR COMMERCIAL AND RESIDENTIAL CONSTRUCTION OF SANITARY SEWER SYSTEMS. GRAVITY SANITARY SEWERS WILL BE TELEVISION INSPECTED FOLLOWING AIR TESTING WITH THE FINAL VIDEO TAPE AND LOG FURNISHED TO THE COUNTY FOR RECORD INFORMATION.

**LBVD, Inc.**  
Civil and Structural Engineers  
880 Montclair Road  
Suite 600  
Birmingham, AL 35213  
Main (205) 251-4500  
PROJECT NO. 133212.001  
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**LATHAN ARCHITECTS**  
LATHAN • BRYANT • CALMA

NEW SOFTBALL COMPLEX FOR  
**TRUSSVILLE CITY SCHOOLS**  
6344 HUSKY PARKWAY, TRUSSVILLE, AL 35173  
TRUSSVILLE CITY BOARD OF EDUCATION



- NOTES:**
- ANY SECTION OF SEWER MAIN WITH LESS THAN 3' OF COVER WILL REQUIRE CONCRETE ENCASUREMENT.

**PROJECT CONTACTS**

**OWNER:**  
TRUSSVILLE CITY SCHOOLS  
476 MAIN STREET  
TRUSSVILLE, AL 35173  
PHONE: (205) 226-3900  
CONTACT: PATRICK MARTIN

**ENGINEER:**  
LBVD, INC.  
880 MONTCLAIR RD, SUITE 600  
BIRMINGHAM, AL 35213  
PHONE: (205) 251-4500  
CONTACT: MICHAEL HERMECZ, PE

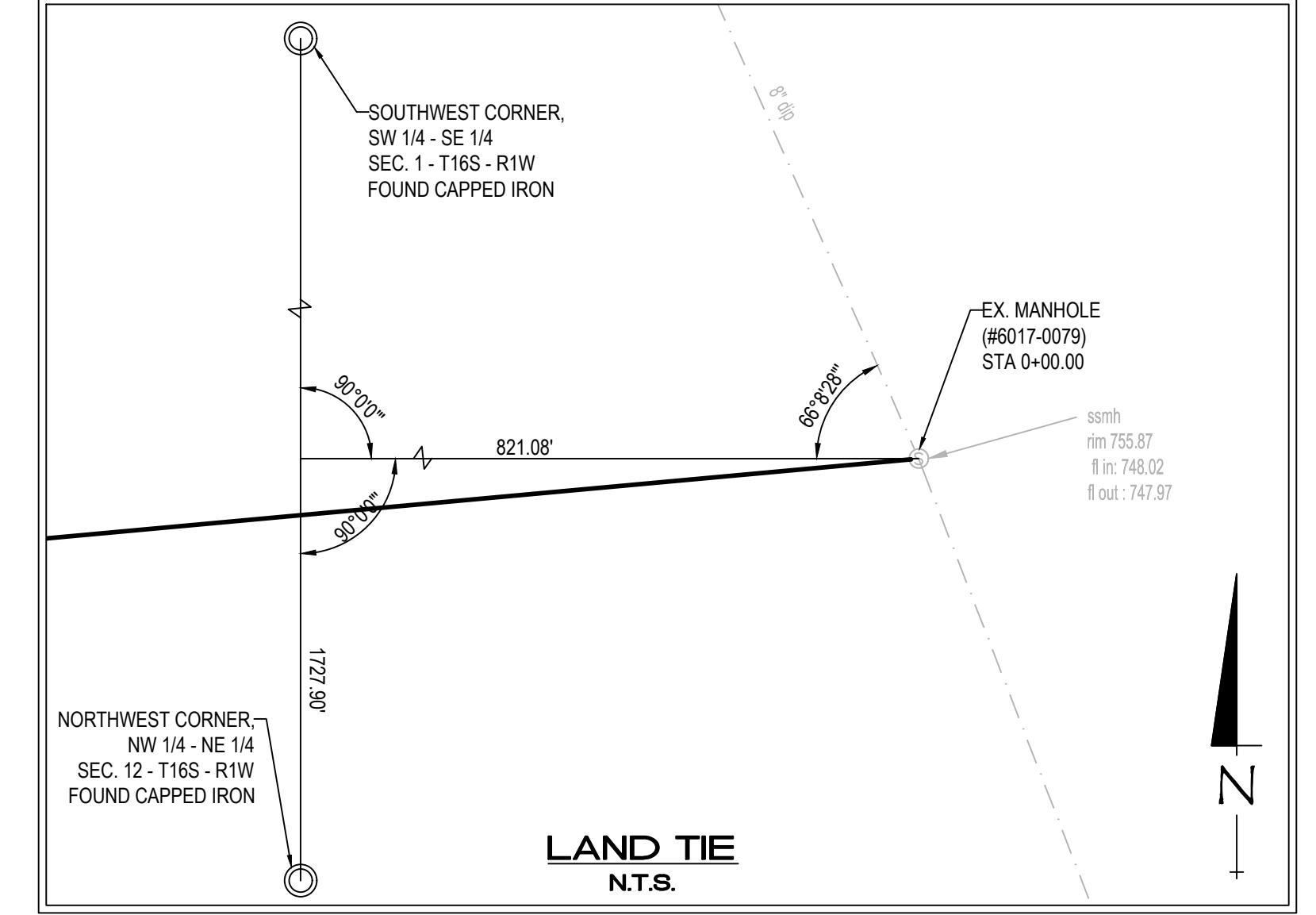
**SURVEYOR:**  
ARRINGTON ENGINEERING & LAND SURVEYING INC.  
2032 VALLEYDALE RD  
BIRMINGHAM, AL 35244  
PHONE: (205) 985-9315  
CONTACT: DAVE ARRINGTON

**SURVEY CONTROL**

THE BASIS OF BEARINGS AND OR COORDINATES SHOWN ON THIS SURVEY ARE BASED ON ALABAMA STATE PLANE WEST ZONE, GRID NORTH, NAD 83 (2011) AND VERTICAL DATUM IS NAVD 88 (GEOID 12B) ELEVATION AND POSITION WAS OBTAINED FROM R.T.K OBSERVATION USING THE ALDOT CORS NETWORK AS CONTROL.

PARCEL ID: 12 00 12 1 000 001.001  
SITE ADDRESS: 6344 HUSKY PARKWAY, TRUSSVILLE, AL 35173

**SECTION INFORMATION**  
1/2 SEC. 12, TOWNSHIP 16 SOUTH,  
RANGE 1 WEST, JEFFERSON COUNTY, ALABAMA



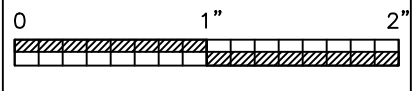
ALABAMA LICENSED PROFESSIONAL ENGINEER  
No. 35177  
MICHAEL HERMECZ, PE  
04/09/24

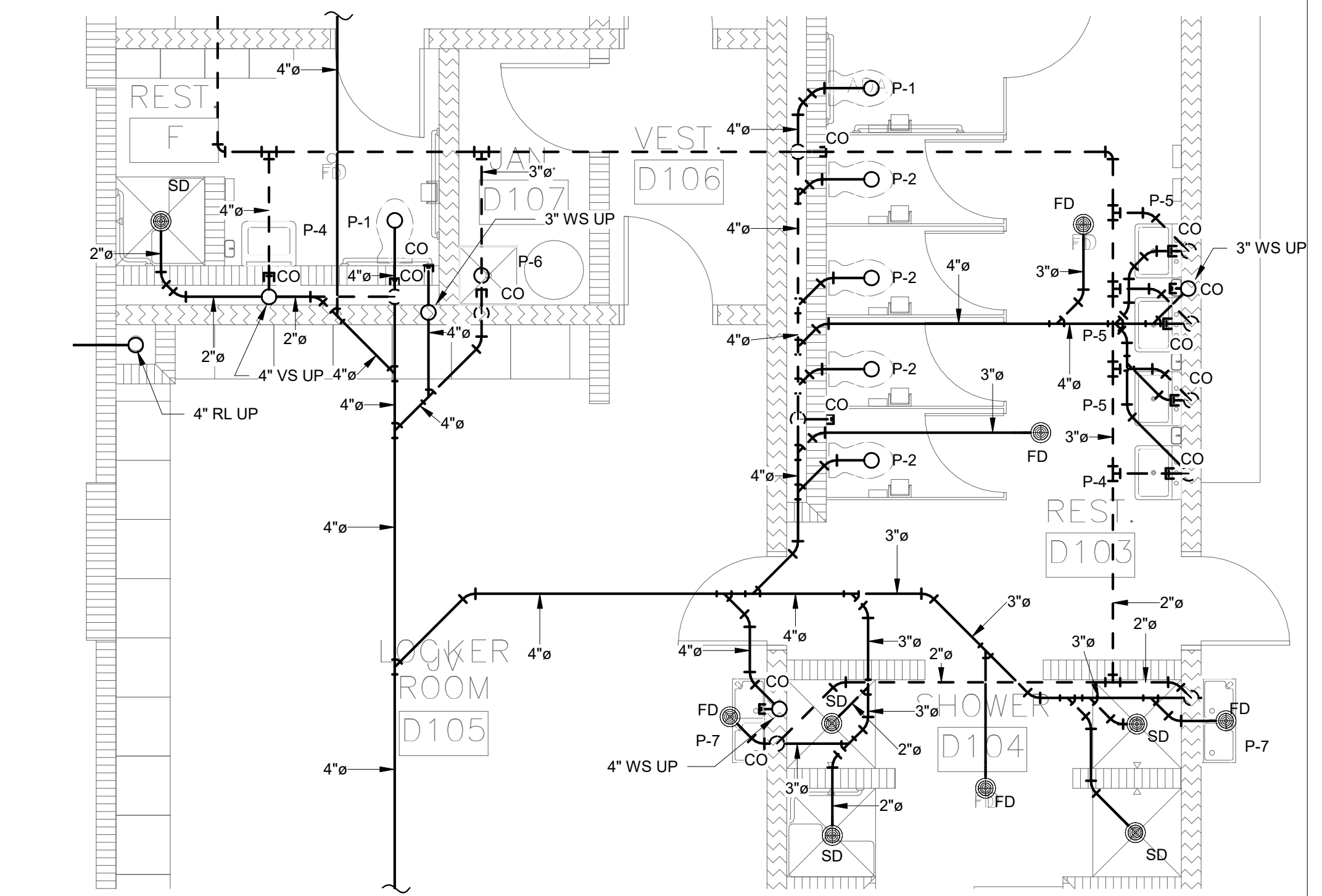
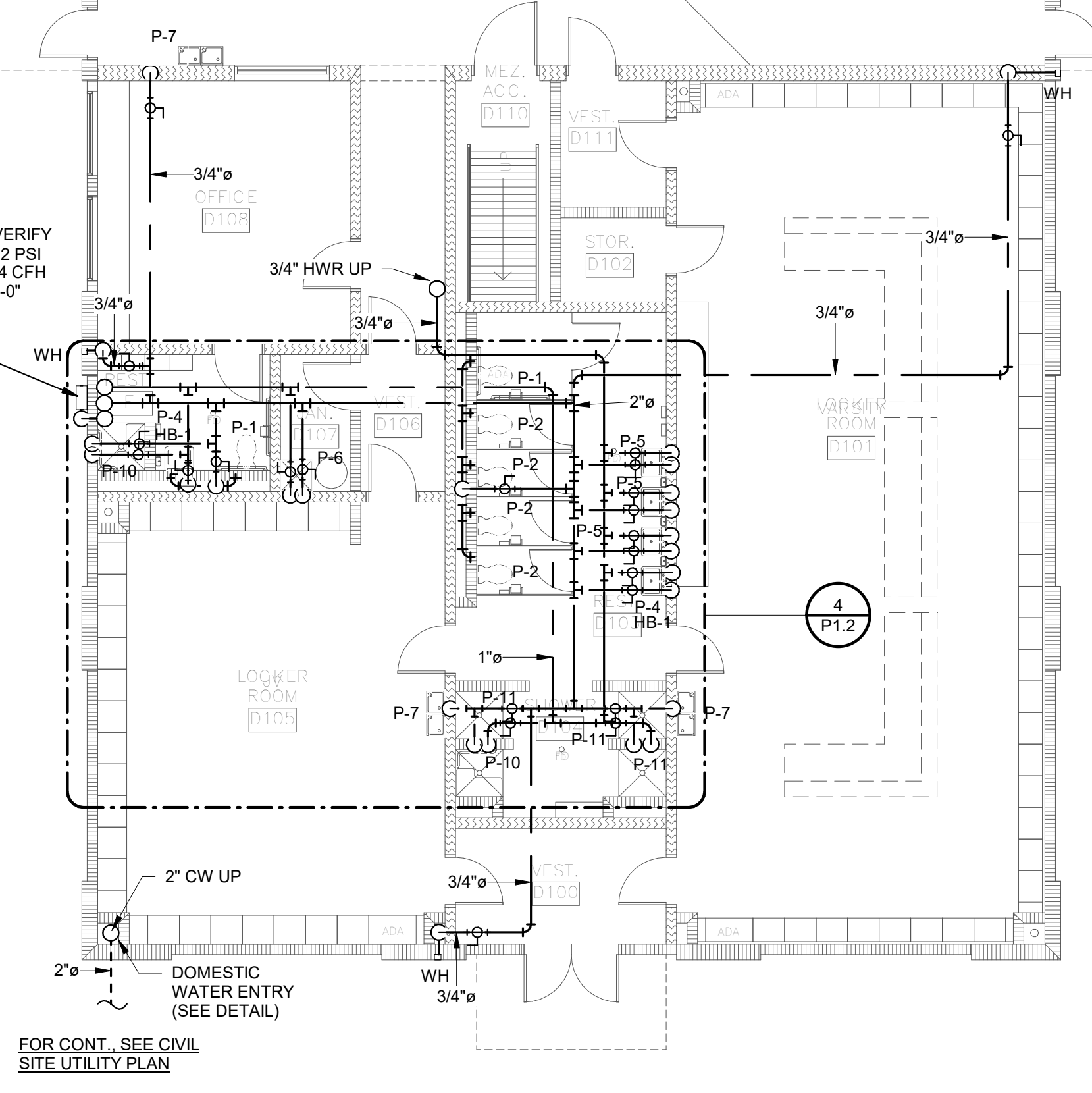
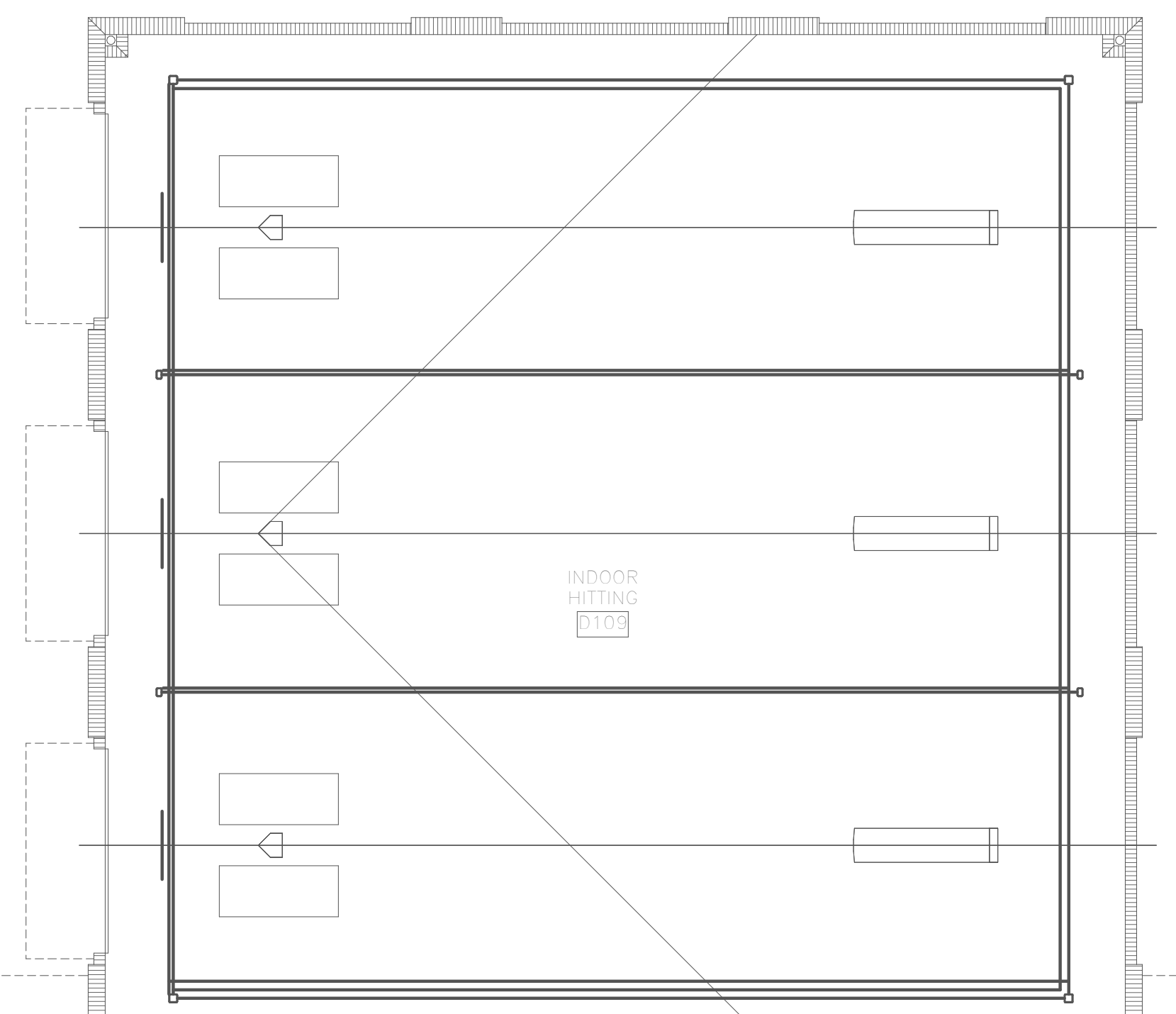
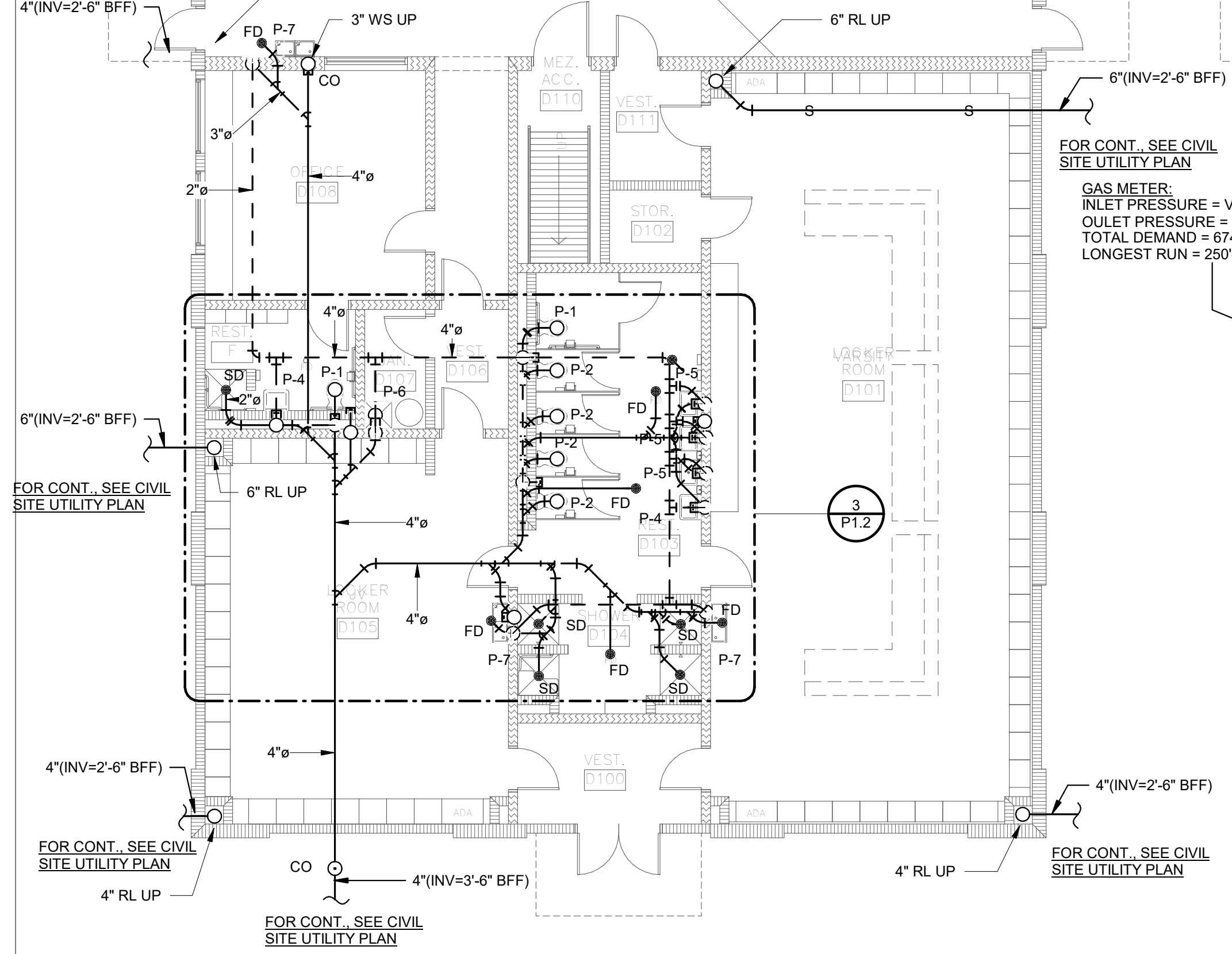
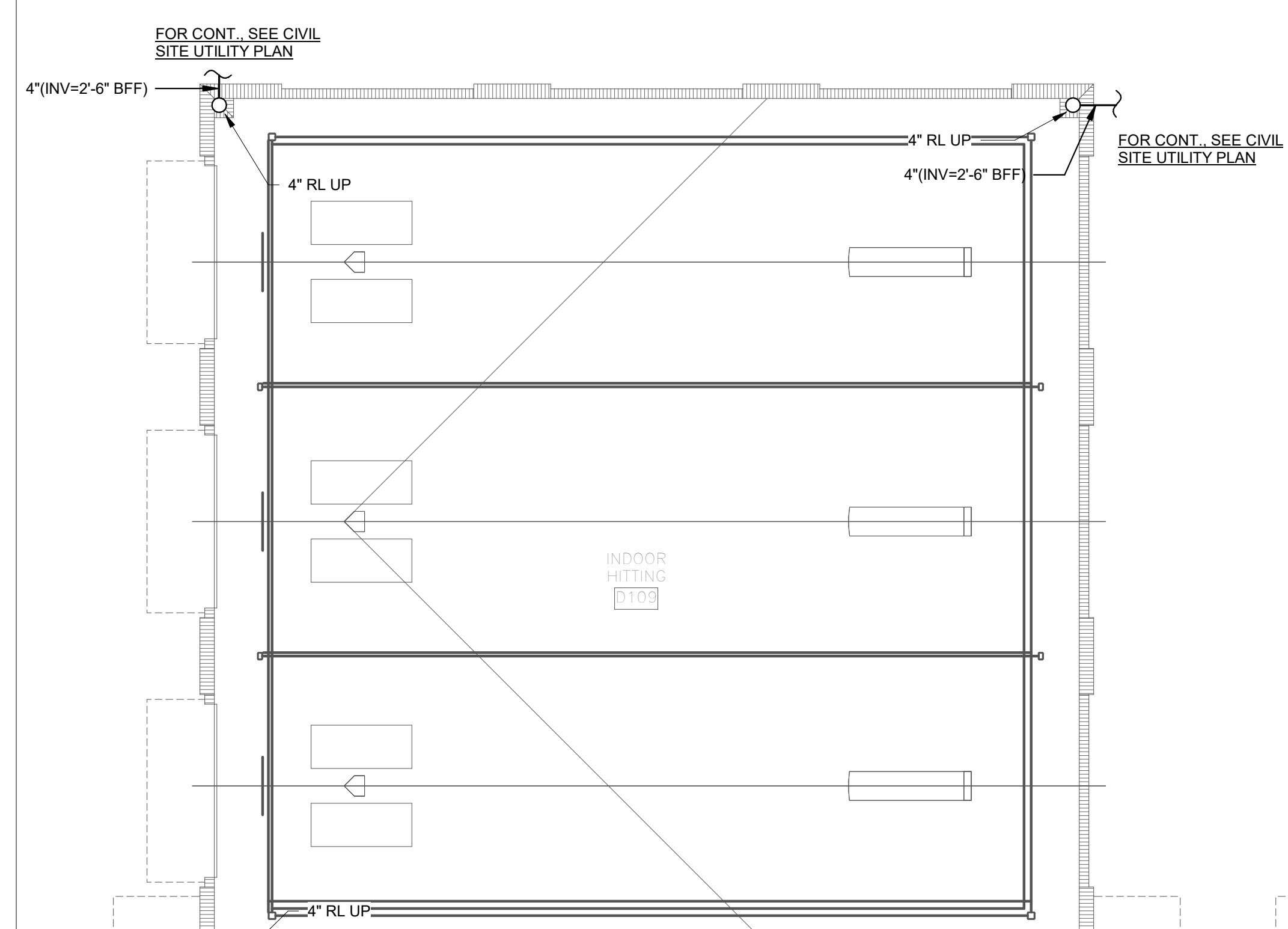
**SHEET TITLE:**  
JCES PLAN & PROFILE

**PROJ. MGR.:** MTH  
**DRAWN:** IJB  
**DATE:** MARCH 13, 2024

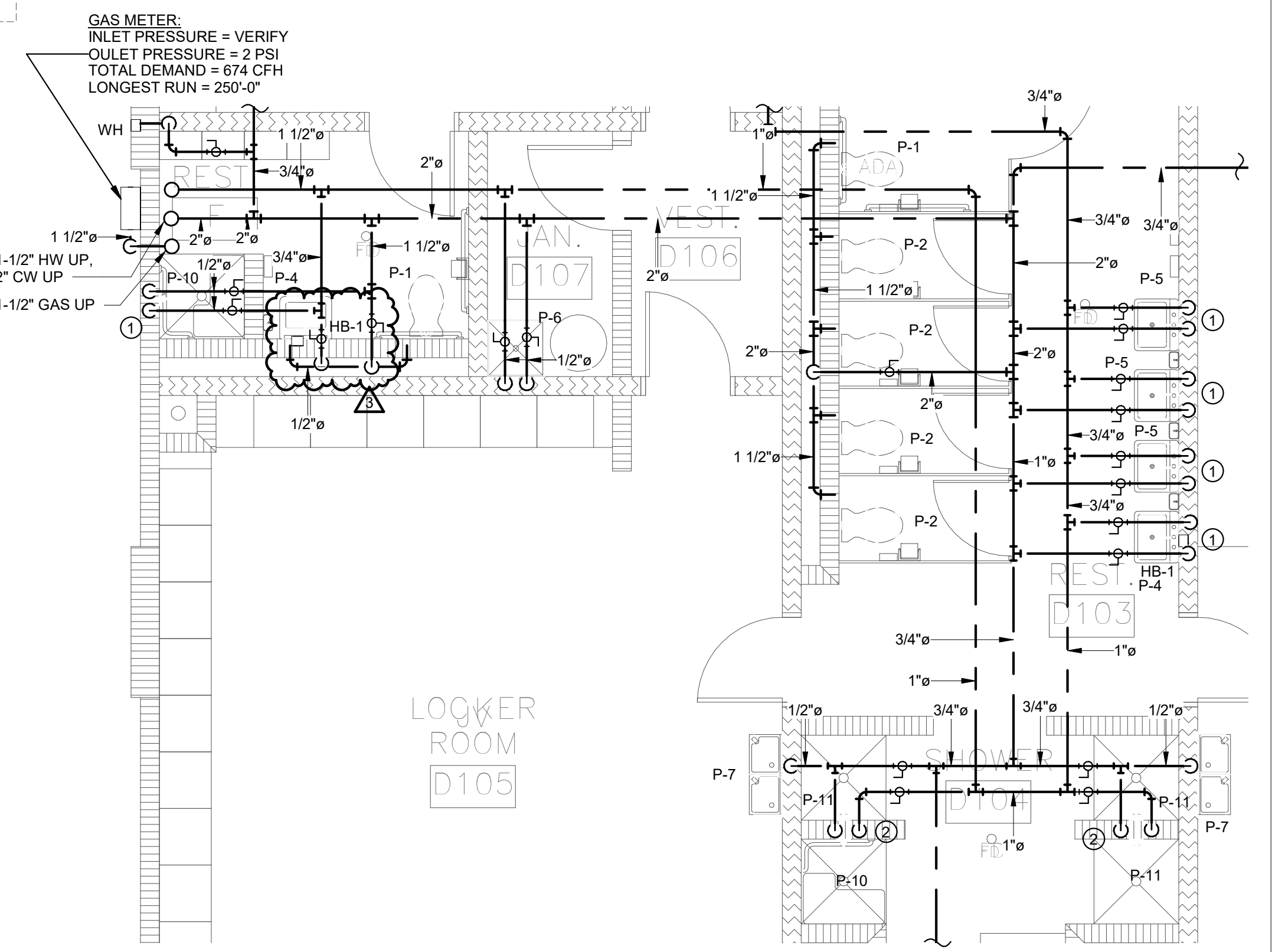
**REVISIONS**

**JOB NO. 23-72**  
**SHEET NO. C5.1**





**3** NON-PRESSURE - ENLARGED - HIT HOUSE LOWER LEVEL  
1/4" = 1'-0"



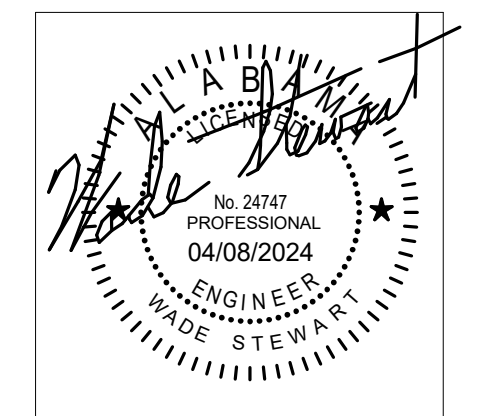
**4** PRESSURE - ENLARGED - HIT HOUSE LOWER LEVEL  
1/4" = 1'-0"

**1** NON-PRESSURE - HIT HOUSE LOWER LEVEL  
1/8" = 1'-0"

**2** PRESSURE - HIT HOUSE LOWER LEVEL  
1/8" = 1'-0"

**PRESSURE KEY NOTES**

①	1/2" CW & HW DN
②	3/4" CW & HW DN

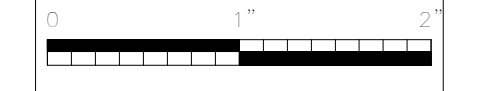


SHEET TITLE:  
PLUMBING - HIT HOUSE  
FLOOR PLANS

PROJ. MGR.:	SMC
DRAWN:	ADH
DATE:	04/08/2024
REVISIONS	
3	04/08/24 Addendum 4

JOB NO. **23-72**

SHEET NO. **P1.2**



### PACKAGED AC UNIT - GAS

**TYPE:** PACKAGED AC UNIT WITH VERTICAL DUCT CONNECTIONS, DX COIL, GAS FIRED HEAT EXCHANGER, AND DIRECT DRIVE FAN.

**NOTES:**  
 1. COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT.  
 2. UNIT SHALL BE ASHRAE 90.1 - 2013 COMPLIANT.  
 3. MAX FACE VELOCITY = 500 FPM.  
 4. SINGLE POINT POWER CONNECTION.

**ACCESSORIES:**  
 1. 2" THICK THROWAWAY FILTER, 30% EFFICIENT.  
 2. CONDENSER COIL GUARD.  
 3. DIRECT DRIVE EVAPORATOR FAN.  
 4. HEAD PRESSURE CONTROL TO 10°F AMBIENT.  
 5. FACTORY FABRICATED ROOF CURB.  
 6. HINGED ACCESS DOORS.  
 7. ANTI-SHORT CYCLE TIMER.  
 8. STAINLESS STEEL HEAT EXCHANGER.  
 9. OSA INTAKE HOOD WITH AUTO DAMPER, ECONOMIZER, DIFFERENTIAL ENTHALPY CONTROLS, AND BAROMETRIC RELIEF.  
 10. HOT GAS REHEAT COIL.  
 11. LOUVERED PANELS.  
 12. PROGRAMMABLE THERMOSTAT.

MARK	SUPPLY FAN			MAX OSA	ENTERING AIR TEMP.		DX COOLING CAPACITY			ELECTRICAL				GAS HEAT		EER	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN		
	CFM	"W.G. E.S.P.	MOTOR HP		D.B. (°F)	W.B. (°F)	TOTAL (MBH)	SENS (MBH)	NOM. TONS	VOLTAGE	PH	HZ	MCA	MOCPP	INPUT (MBH)				OUTPUT (MBH)	MANUFACTURER	MODEL
RTU-1	2000	1.0"	1	200	77.0°F	64.3°F	57.5	43.9	5	208	3	60	33	45	80	64	13	1540	1,2,3,4,5,6,7,8,9,10,11,12	TRANE	YHC067
RTU-2	2000	1.0"	1	200	77.0°F	64.3°F	57.5	43.9	5	208	3	60	33	45	80	64	13	1540	1,2,3,4,5,6,7,8,9,10,11,12	TRANE	YHC067

### INDOOR AIR HANDLING UNIT SCHEDULE - GAS FURNACE

**AIR HANDLER UNIT TYPE:** GAS FIRED FURNACE WITH SUPPLY FAN AND CASED DX COIL WITH MATCHING OUTDOOR CONDENSING UNIT.

**NOTES:**  
 1. COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT.  
 2. UL LISTED. AHRI CERTIFIED.  
 3. SEE PLANS FOR AIRFLOW CONFIGURATION.

**ACCESSORIES:**  
 1. SINGLE POINT POWER CONNECTION.  
 2. 1" THICK FILTERS, 30% EFFICIENT  
 3. INTERNALLY ISOLATED SUPPLY FAN - DIRECT DRIVE.  
 4. DX COOLING COIL - MATCHED TO OUTDOOR CONDENSING UNIT.  
 5. CONCENTRIC VENT KIT.

MARK	SUPPLY FAN			MAX OUTSIDE AIR	DX COOLING COIL CAPACITY				GAS HEAT				ELECTRICAL				SEER2	BASIS OF DESIGN		
	AIRFLOW	E.S.P.	MOTOR HP		TOTAL	SENSIBLE	EAT (DB/WB °F)	NOMINAL TONS	MBH INPUT	MBH OUTPUT	STAGES	AFUE	VOLTAGE	PH	HZ	MCA		MOCPP	MANUFACTURER	MODEL
GFF-JVLK	1200 CFM	0.9"	0.75	0 CFM	33.1 MBH	26.1 MBH	75.0°F / 62.5°F	3	60 MBH	58.2 MBH	1	96%	120	1	60	10.3	15	15.0	TRANE	4TXC + S9X1
GFF-MEZZ	1200 CFM	0.9"	0.75	0 CFM	33.1 MBH	26.1 MBH	75.0°F / 62.5°F	3	60 MBH	58.2 MBH	1	96%	120	1	60	10.3	15	15.0	TRANE	4TXC + S9X1
GFF-VLOCK	2000 CFM	0.9"	1.0	0 CFM	60 MBH	45.0 MBH	75.0°F / 62.5°F	5	120 MBH	116.4 MBH	1	96%	120	1	60	14.1	15	16.5	TRANE	4TXC + S9V2

### SPLIT ENERGY RECOVERY UNIT

**TYPE:** INDOOR, CONSTANT VOLUME, HORIZONTAL DRAW-THRU, WITH DX COOLING COIL, GAS HEAT, HOT GAS RE-HEAT COIL, FIXED PLATE ENERGY RECOVERY CORE, AND MATCHED CONDENSING UNIT.

**NOTES:**  
 1. COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT.  
 2. UNIT SHALL BE ASHRAE 90.1 - 2013 COMPLIANT.

**ACCESSORIES:**  
 1. 2" THICK THROWAWAY FILTERS, MERV 13.  
 2. INVERTER DUTY RATED MOTORS  
 3. DIRECT DRIVE SUPPLY & EXHAUST FAN.  
 4. VARIABLE FREQUENCY DRIVE FOR SUPPLY & EXHAUST FAN.  
 5. HINGED ACCESS DOORS.  
 6. STAINLESS STEEL DRAIN PAN.  
 7. HOT GAS REHEAT COIL.  
 8. GFCI CONVENIENCE OUTLET.

**COMPONENTS:**  
 1. INTAKE SECTION WITH OUTSIDE AIR CONNECTION WITH AUTO DAMPERS.  
 2. FILTER SECTION WITH ANGLED FILTERS.  
 3. ENERGY RECOVERY WHEEL SECTION.  
 4. GAS HEAT SECTION.  
 5. DX COOLING COIL.  
 6. ACCESS SECTION.  
 7. DIRECT DRIVE PLENUM FAN IN SUPPLY FAN SECTION WITH HORIZONTAL DISCHARGE.  
 8. DIRECT DRIVE PLENUM FAN IN EXHAUST FAN SECTION WITH HORIZONTAL DISCHARGE.

MARK	SUPPLY FAN		EXHAUST FAN		SUMMER			WINTER			ELECTRICAL				GAS HEAT		DX COOLING COIL				WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN					
	CFM	"W.G. E.S.P.	HP	CFM	"W.G. E.S.P.	HP	OUTSIDE AIR		EXHAUST ENTERING (DB/WB)	OUTSIDE AIR		EXHAUST ENTERING (DB/WB)	V	PH	Hz	MCA	MOCPP	INPUT (MBH)	OUTPUT (MBH)	STAGES			LAT (DB/WB)	TOTAL (MBH)	SENSIBLE (MBH)	NOM. TONS	MANUFACTURER	MODEL
	EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB/WB)																
ERU-1	1750	1.1"	2	1690	1.1"	1.5	95.0°F / 78.0°F	80.5°F / 70.0°F	75.0°F / 62.5°F	17.0°F / 15.0°F	55.4°F / 48.0°F	70.0°F / 58.0°F	208	3	60	33.7	45	75	60	MODULATING 5:1	53.6°F / 53.5°F	93.2	51.8	7.5	4235	1,2,3,4,5,6,7,8	RENEWAIRE	DN-3-JIN

### CONDENSING UNIT SCHEDULE

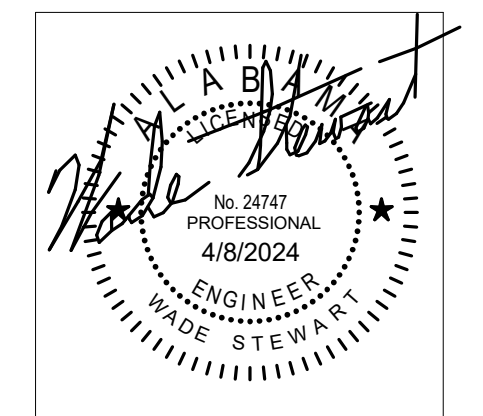
**TYPE:** AIR COOLED CONDENSING UNIT.

**NOTES:**  
 1. CAPACITY TO BALANCE RESPECTIVE INDOOR AC UNIT.  
 2. CAPACITY BASED ON 95°F AMBIENT.  
 3. UL LISTED, AHRI CERTIFIED, ASHRAE 90.1-2007 COMPLIANT.  
 4. REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS. ANY ACCESS DEVICE REQUIRED SHALL BE LEFT ON SITE WITH THE OWNER AT PROJECT CLOSE OUT.

**ACCESSORIES:**  
 1. PHASE PROTECTION.  
 2. MICROPROCESSOR CONTROLS.  
 3. ISOLATION VALVES.  
 4. LIQUID LINE REFRIGERANT FILTER DRIER.  
 5. ANTI SHORT CYCLE TIMER.  
 6. LOW AMBIENT CONTROL DOWN TO 0°F.  
 7. HAIL / VANDAL GUARDS.  
 8. THERMAL EXPANSION VALVE.  
 9. HOT GAS BYPASS WITH RAWAL DEVICE AT CONDENSING UNIT.

MARK	NOMINAL CAPACITY	VOLTAGE	ELECTRICAL				SEER2 / EER	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN	
			PH	HZ	MCA	MOCPP				MANUFACTURER	MODEL
CU-1	7.5 T	208	3	60 Hz	34 A	45 A	12.8 EER	380	1,2,3,4,5,6,7,8	TRANE	TTA090
CU-JVLK	3.0 T	208	3	60 Hz	12 A	20 A	14 SEER2	175	1,2,3,4,5,6,7,8	TRANE	4TTA4036
CU-MEZZ	3.0 T	208	3	60 Hz	12 A	20 A	14 SEER2	175	1,2,3,4,5,6,7,8	TRANE	4TTA4036
CU-OSA	3.5 T	208	3	60 Hz	15 A	25 A	14 SEER2	235	1,2,3,4,5,6,7,8,9	TRANE	4TTA4042
CU-VLOK	5.0 T	208	3	60 Hz	21 A	35 A	14 SEER2	235	1,2,3,4,5,6,7,8	TRANE	4TTA4060

NEW SOFTBALL COMPLEX FOR  
**TRUSSVILLE CITY SCHOOLS**  
 6344 HUSKY PARKWAY, TRUSSVILLE, AL 35173  
 TRUSSVILLE CITY BOARD OF EDUCATION



SHEET TITLE:  
 MECHANICAL - SCHEDULES

PROJ. MGR.: WS  
 DRAWN: MEH  
 DATE: 4/8/2024

REVISIONS

1	4/8/2024	ADDENDUM #4
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JOB NO. **23-72**  
 SHEET NO. **M0.3**