

SECTION 009113 – ADDENDUM TWO

PART 1 - ADDENDA

1.1 PROJECT INFORMATION

- A. Project Name: 21098.01 New Albany Center for Innovation Phase 1
- B. Owner: New Albany Schools, 1112 Wesson Tate Drive, Mississippi 38652
- C. Architect: Dale | Bailey, an Association, One Jackson Place, Suite 250, 188 East Capitol Street, Jackson, MS 39201
- D. Architect Project Number: 21098-01
- E. Date of Addendum Two: 28 February 2023

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is **unchanged** by this Addendum at same time and location.

1.3 QUESTIONS & ANSWERS

- A. Q: There is a detail on air relief valves for the force main and none are shown on the drawings. Will this be required?
 - A. Air release valve will not be required on the force main.
- B. Q: Should there be a gate valve or a post indicator valve on the fire line going to the building?
 - A. There is a wall indicator valve indicated on the fire line at the building.
- C. Q: What size is the new domestic water meter?
 - A. A 3" Water Meter will be required for the 3" service line, with the meter being installed as per manufacturer's recommendations.



1.4 REVISIONS TO DRAWINGS

- A. Sheet C1.0 – GENERAL NOTES. Updated Sheet List. See attached.
- B. Sheet C2.0 – DEMO PLAN. Added additional pipe removal items. See attached.
- C. Sheet C3.0 – SITE PLAN. Updated quantities, added additional signage and striping, added additional curbing to meet City's landscape requirements. See attached.
- D. Sheet C4.0 – DRAINAGE PLAN. Added trench drain, updated types of drainage structures to include gutter inlets. See attached.
- E. Sheet C4.1 – GRADING PLAN. Updated grading plan to achieve ADA accessibility. See attached.
- F. Sheet C5.0 – GEOMETRIC LAYOUT. Added additional dimensions. See attached.
- G. Sheet C6.0 – JOINT LAYOUT. Updated joint layout to match site plan layout, added additional tie-bar and reinforcement panels, included notes about alternate parking. See attached.
- H. Sheet C7.0 – CONSTRUCTION DETAILS. Replaced a couple of details, add made minor adjustments to a couple others. See attached.
- I. Sheet C7.3 – CONSTRUCTION DETAILS. Added fencing detail for around pump station. See attached.
- J. Sheet C11.0 – EROSION CONTROL. Updated erosion control plan to match revised site plan. See attached.
- K. Sheet F-001 – Phase 1 – FIRE SPRINKLER NEW WORK PLAN. (REISSUED). Delete this sheet in its entirety and replace with attached. Revised sprinkler layout to include overhang and storage room.

1.5 ATTACHMENTS

- A. Sheet C1.0 General Notes dated 28 February 2023.
- B. Sheet C2.0 Demo Plan dated 28 February 2023.
- C. Sheet C3.0 Site Plan dated 28 February 2023.
- D. Sheet C4.0 Drainage Plan dated 28 February 2023.
- E. Sheet C4.1 Grading Plan dated 28 February 2023.
- F. Sheet C5.0 Geometric Layout dated 28 February 2023.
- G. Sheet C6.0 Joint Layout dated 28 February 2023.
- H. Sheet C7.0 Construction Details dated 28 February 2023.
- I. Sheet C7.3 Construction Details dated 28 February 2023.

J. Sheet C11.0 Erosion Control dated 28 February 2023.

K. Sheet F-001 – Phase 1 – Fire Sprinkler New Work Plan dated 28 February 2023.

END OF ADDENDUM TWO

V:\Dale Partners\2022-481-00 New Albany SD CTE Building\Production Drawings\Revision 2\CI-1.0 - General Notes 2/28/2023 8:37 AM

Sheet List Table	
Sheet Number	Sheet Title
C-1.0	General Notes
C-2.0	Demolition Plan
C-3.0	Site Plan
C-4.0	Drainage Plan
C-4.1	Grading Plan
C-5.0	Geometric Layout
C-6.0	Joint Layout
C-7.0	Construction Details
C-7.1	Construction Details
C-7.2	Construction Details
C-7.3	Construction Details
C-8.0	Grinder Pump Station
C-8.1	Grinder Pump Details
C-9.0	Sewer Details
C-10.0	Water Details
C-11.0	Erosion Control Plan
C-11.1	Erosion Control Details



GENERAL NOTES

- 1-01 ANY EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE SHOWN IN THEIR ORIGINAL LOCATION BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SERVICE OF EXISTING UTILITIES THROUGHOUT THE PROJECT WHETHER THEY ARE TO REMAIN OR THEY ARE TO BE ABANDONED AFTER RELOCATION.
- 1-02 THE CONTRACTOR SHALL COORDINATE THE LOCATION (HORIZONTAL AND VERTICAL) OF ANY EXISTING UTILITIES WITH THE APPROPRIATE UTILITY COMPANY BEFORE CONSTRUCTION BEGINS.
- 1-03 ANY UTILITY LINE OR SERVICE LINE ENCOUNTERED DURING CONSTRUCTION, WHETHER SHOWN ON PLANS OR NOT, SHALL BE PROTECTED BY THE CONTRACTOR AND ANY REPAIRS NECESSARY DUE TO DAMAGE TO SAME BY THE CONTRACTOR SHALL BE AT NO ADDITIONAL COST TO THE OWNER. LIVE UTILITIES FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE DRAWINGS SHALL BE CONNECTED TO THE NEW SYSTEM BY THE CONTRACTOR.
- 1-04 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING HORIZONTAL AND VERTICAL CLEARANCES ON ANY UTILITY SERVICE CROSSINGS REQUIRED BEFORE INSTALLATION.
- 1-05 THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN GRASS COVER BY WHATEVER MEANS NECESSARY TO PREVENT ANY EROSION WHERE THE EXISTING VEGETATION WAS REMOVED OR DISTURBED DURING CONSTRUCTION. CONTRACTOR SHALL ABIDE BY THE MINIMUM REQUIREMENTS IN THE GUIDELINES ESTABLISHED BY THE MDEQ STORM WATER GENERAL PERMIT REGULATIONS.
- 1-06 THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SILT DOES NOT LEAVE THE PROPERTY AND/OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION.
- 1-07 UNSUITABLE BEDDING, BACKFILL OR SITE SUB-GRADE MATERIAL WHICH MAY BE ENCOUNTERED SHALL BE EXCAVATED TO THE LIMITS REQUIRED AND BACKFILLED WITH ACCEPTABLE MATERIAL TO THE LINES AND GRADES SHOWN ON THE PLANS. UNLESS A SEPARATE PAY ITEM IS NOTED FOR THIS REMOVAL AND BACKFILL, NO ADDITIONAL COMPENSATION SHALL BE MADE BUT SHALL BE ABSORBED IN THE CONTRACT PRICE.
- 1-08 WHERE THE CONSTRUCTION CROSSES PERMANENT SURFACES OR IMPROVED FEATURES, THE CONTRACTOR SHALL REPLACE SAME IN ACCORDANCE WITH THE SPECIFICATIONS, OR SHALL RESTORE SAME TO ITS ORIGINAL OR BETTER CONDITION. UNLESS INDICATED OTHERWISE ON THE PLANS, ALL PAVED SURFACES WILL BE CROSSED BY CASED BORE OR UN-ENCASED BORE, WHILE ALL GRAVEL SURFACES WILL BE CROSSED BY OPEN CUT.
- 1-09 THE CONTRACTOR'S AREA OF WORK SHOULD BE LIMITED TO THE PROJECT SITE AND ANY EASEMENTS OR RIGHTS-OF-WAY SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED HEREIN.
- 1-10 ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 1-11 PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY PLATED WITH THE STOCKPILED TOPSOIL. STRIPPING, STOCKPILING, PLACING AND SPREADING OF TOPSOIL WILL NOT BE MEASURED FOR PAYMENT.
- 1-12 THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE TESTING DURING CONSTRUCTION AND FOR SUBMISSION OF SAME TO ENGINEER FOR REVIEW. ALL SUBMITTALS, MANUFACTURER'S CERTIFICATES, PROPOSED MIX DESIGNS, ETC. SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BEFORE INCORPORATION INTO PROJECT.
- 1-13 ALL TESTING CERTIFICATIONS SHALL STATE THAT THE SUBJECT MATERIAL MEETS THE SPECIFIED QUALITY, GRADE, PURITY, CLASS, OR WEIGHT, OR THAT THE SUBJECT MATERIAL MEETS OR EXCEEDS THE REQUIREMENT OF THE APPLICABLE ASTM, AASHTO, MDOT, MSDH OR OTHER STANDARDS. CERTIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO INCORPORATION OF THE SUBJECT MATERIAL INTO THE PROJECT.
- 1-14 THE SITE LAYOUT AND PROPOSED GRADING PLAN HAVE BEEN PREPARED BASED ON THE RECOMMENDATIONS OF THE ARCHITECT/OWNER AND/OR THEIR REPRESENTATIVES. ANY DEVIATION FROM THE PLANS AS SHOWN SHOULD BE COORDINATED THROUGH AND APPROVED BY THE OWNER PRIOR TO ANY CHANGES BEING MADE.
- 1-15 HANDICAP RAMPS SHALL BE ADA COMPLIANT. SIDEWALKS SHALL HAVE NO GREATER THAN 2% CROSS SLOPE.
- 1-16 WATER AND SEWER SERVICE CONNECT TO THE NEW ALBANY MUNICIPAL SYSTEM. CONTRACTOR TO CONTACT AND COORDINATE WITH UTILITY REPRESENTATIVE FOR UTILITY SERVICE CONNECTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND PAYING ALL APPLICABLE FEES REQUIRED OR CONSTRUCTION PURPOSES AND UTILITY HOOKUPS. THESE FEES MAY INCLUDE, BUT ARE NOT LIMITED TO, ROAD BOND, BUILDING PERMIT, UTILITY CONNECTION FEES, ETC.
- 1-17 CONTRACTOR TO REFERENCE EROSION CONTROL PLAN FOR WHICH AREAS NEED TO BE SODDED, SEEDED, AND USE OF EROSION CONTROL BLANKETS.
- 1-18 GEOTECHNICAL REPORT IS PROVIDED WITHIN THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING GEOTECHNICAL RECOMMENDATIONS BASED OFF OF THE SOIL BORINGS THAT WERE TAKEN. THIS INCLUDES ANY REQUIRED UNDERCUT/EXCAVATION UNDERNEATH PROPOSED BUILDINGS, PAVEMENT, AND SIDEWALKS.
- 1-19 CONTRACTOR SHALL BE REQUIRED TO SAW CUT ANY PLACES WHERE ASPHALT AND CONCRETE REMOVAL IS REQUIRED.

DALE
PARTNERS

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



New Albany Center For Innovation
Phase 1
New Albany, MS

100%
Construction
Documents

Project No 21098-01

Date 1 February 2023

Revisions Rev Date

2/28/2023



204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

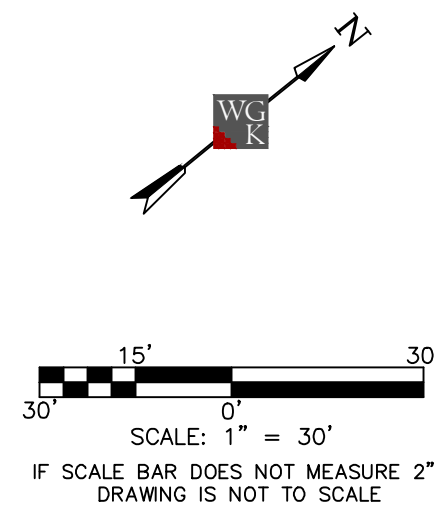
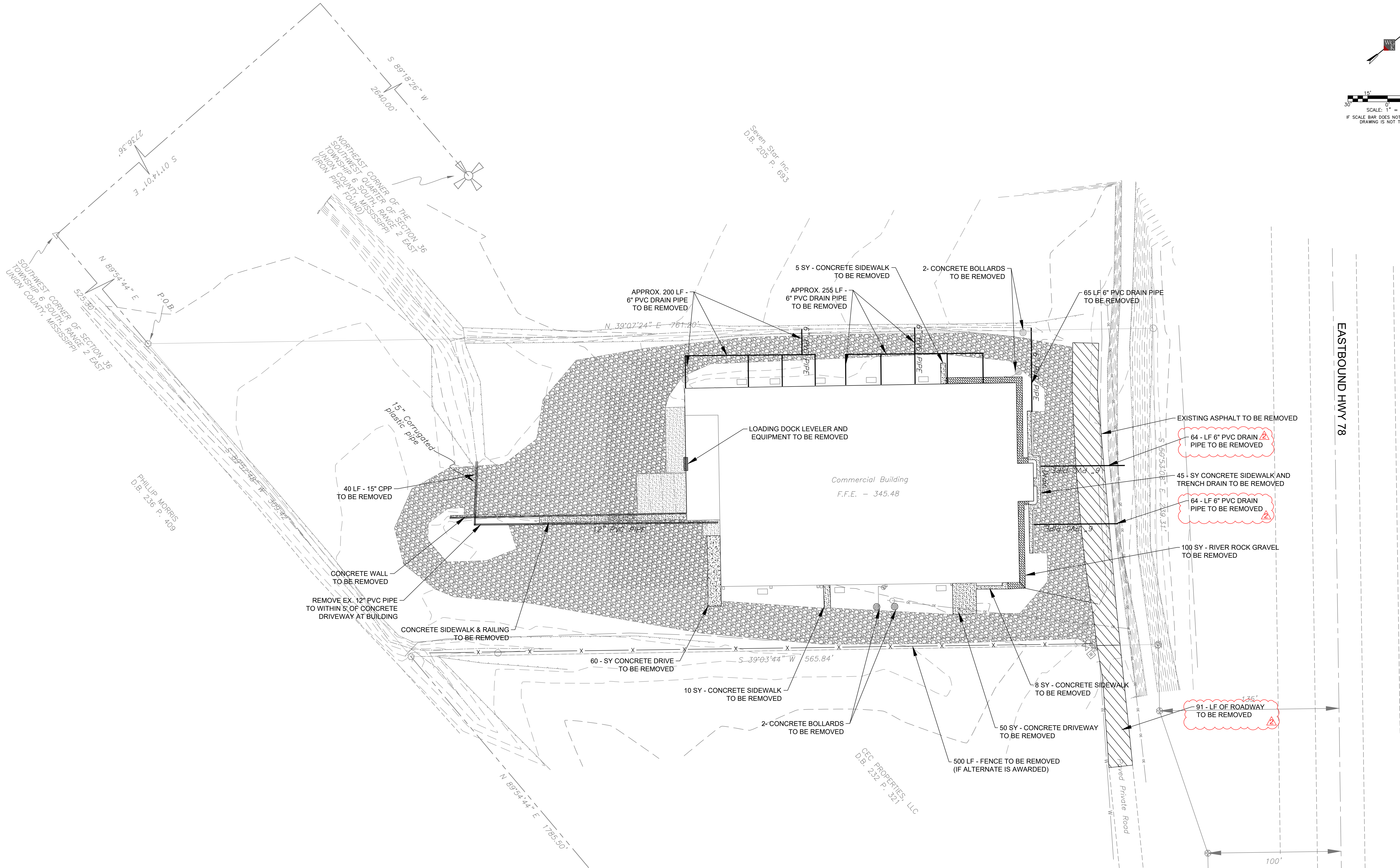
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

ENGINEERS & SURVEYORS

C-1.0

GENERAL NOTES

V:\Dale Partners\2022-481-00 New Albany SD CTE Building Production Drawings\Revision C-2.0 - DEMO PLAN 2/28/2023 8:47 AM



DALE
PARTNERS

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



New Albany Center For Innovation Phase 1 New Albany, MS

100%
Construction
Documents

Project No	21098-01
Date	1 February 2023
Revisions	Rev Date
Δ	2/28/2023

WGK
ENGINEERS & SURVEYORS

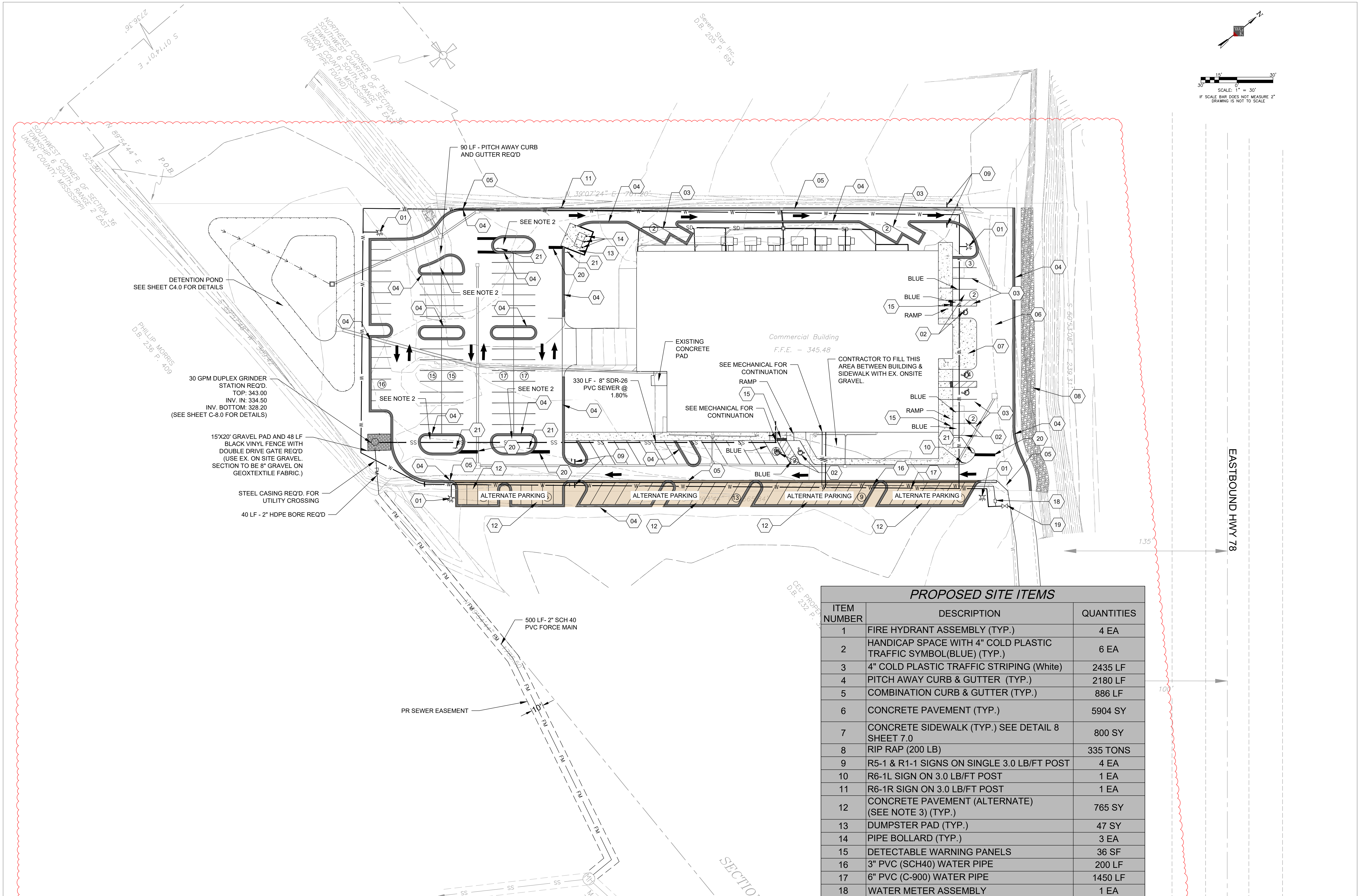
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

C-2.0

DEMO PLAN

V:\Dale Partners\2022-481-00 New Albany SD CTE Building Production Drawings\Revision 2\C3.0 - Site Plan 2/28/2023 11:25 AM



- NOTE:
1. CONTRACTOR TO REFER TO SHEET C-6.0 FOR JOINTING PLAN. ALL CONTRACTION JOINTS TO BE MADE BY EARLY ENTRY SAWING.
 2. CONTRACTOR TO MOUND DIRT GRADE ABOVE BACK OF CURB AND ENSURE POSITIVE DRAINAGE TO BACK OF CURB.
 3. IF ALTERNATE PARKING IS AWARDED, PITCH AWAY CURB BETWEEN PARKING STALLS AND TRAVELED WAY TO BE OMITTED.
 4. ALL CONCRETE PAVING WILL BE HEAVY DUTY UNLESS OTHERWISE SHOWN.
 5. EXISTING GRAVEL TO BE STOCKPILED ON SITE BY CONTRACTOR.

PARKING:
107 ONSITE PARKING
38 OPTION 1 PARKING
145 TOTAL PARKING SPOTS
6 HANDICAP ~ (2 VAN ACCESSIBLE STALLS)
** (ADA REQUIREMENT: 101-150 PARKING SPACES REQUIRES MIN OF 5 ACCESSIBLE PARKING SPACES.)

PROPOSED SITE ITEMS		
ITEM NUMBER	DESCRIPTION	QUANTITIES
1	FIRE HYDRANT ASSEMBLY (TYP.)	4 EA
2	HANDICAP SPACE WITH 4" COLD PLASTIC TRAFFIC SYMBOL(BLUE) (TYP.)	6 EA
3	4" COLD PLASTIC TRAFFIC STRIPING (White)	2435 LF
4	PITCH AWAY CURB & GUTTER (TYP.)	2180 LF
5	COMBINATION CURB & GUTTER (TYP.)	886 LF
6	CONCRETE PAVEMENT (TYP.)	5904 SY
7	CONCRETE SIDEWALK (TYP.) SEE DETAIL 8 SHEET 7.0	800 SY
8	RIP RAP (200 LB)	335 TONS
9	R5-1 & R1-1 SIGNS ON SINGLE 3.0 LB/FT POST	4 EA
10	R6-1L SIGN ON 3.0 LB/FT POST	1 EA
11	R6-1R SIGN ON 3.0 LB/FT POST	1 EA
12	CONCRETE PAVEMENT (ALTERNATE) (SEE NOTE 3) (TYP.)	765 SY
13	DUMPSTER PAD (TYP.)	47 SY
14	PIPE BOLLARD (TYP.)	3 EA
15	DETECTABLE WARNING PANELS	36 SF
16	3" PVC (SCH40) WATER PIPE	200 LF
17	6" PVC (C-900) WATER PIPE	1450 LF
18	WATER METER ASSEMBLY	1 EA
19	8" X 6" TAPPING SLEEVE AND VALVE	1 EA
20	12" STOP BAR - COLD PLASTIC TRAFFIC STRIPING (White)	62 LF
21	R-1 SIGN ON 3.0 LB/FT POST	5 EA

WG K
ENGINEERS & SURVEYORS

204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

DALE
PARTNERS

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

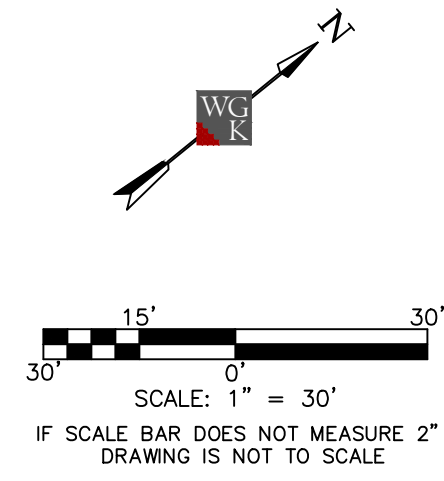


New Albany Center For Innovation Phase 1 New Albany, MS

100%
Construction
Documents

Project No 21098-01
Date 1 February 2023
Revisions Rev Date
2/28/2023

C-3.0
Site Plan



New Albany Center For Innovation
Phase 1
New Albany, MS

100%
Construction
Documents

Project No 21098-01
Date 1 February 2023
Revisions Rev Date
2/28/2023

C-4.0

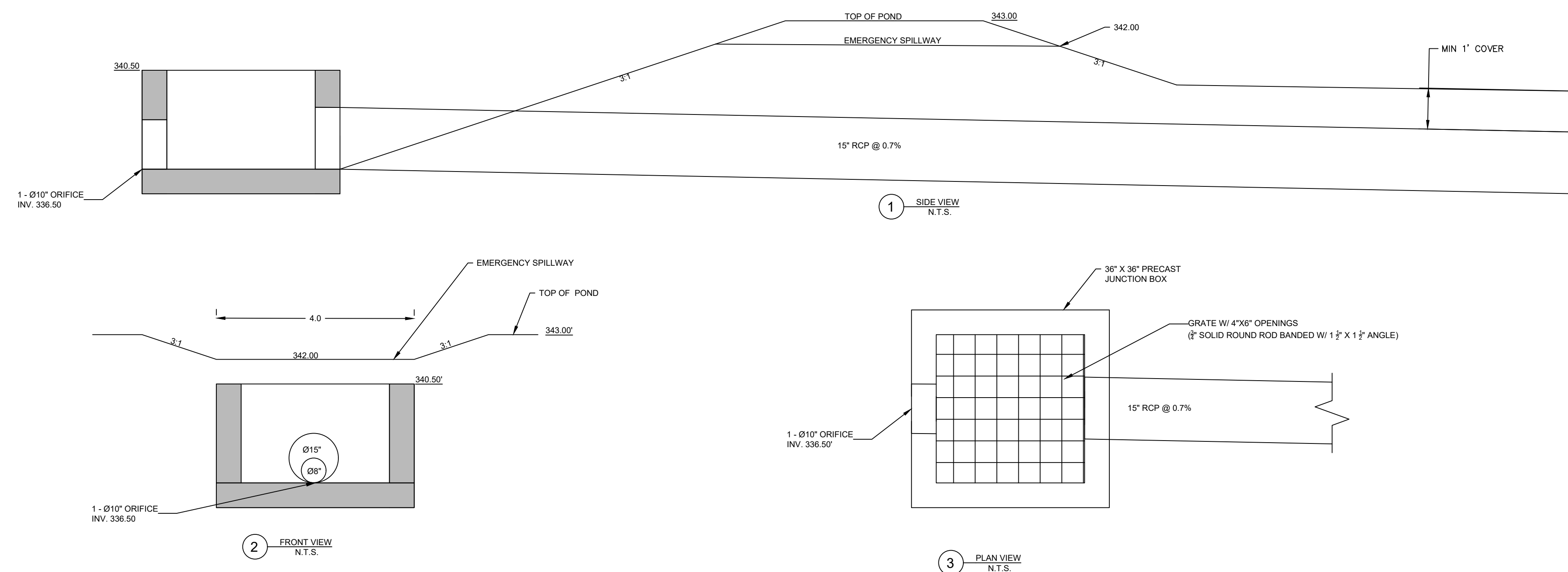
Drainage Plan



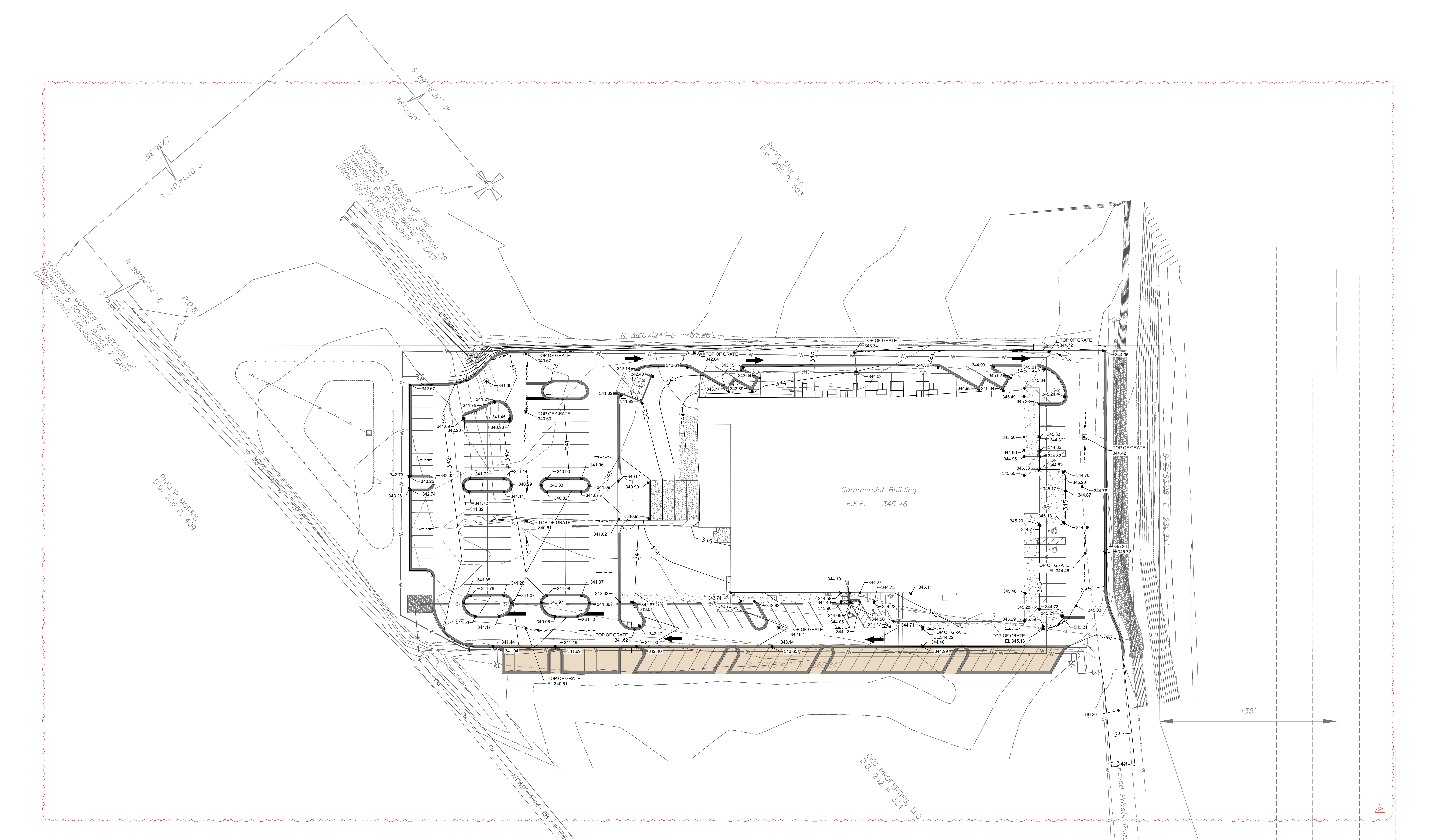
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

ENGINEERS & SURVEYORS

Note:
CONNECT TO PR ROOF LEADER
PIPE W/8" PVC. CONNECTION TO
BE MADE WITH CONCRETE
JUNCTION BOX.



V:\Dale Partners\2022-481-00 New Albany SD CTE Building Production Drawings\Revision 2\C4.1 Grading Plan 2/28/2023 10:12 AM



DALE
PARTNERS

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



New Albany Center For Innovation Phase 1 New Albany, MS

100%
Construction
Documents

Project No 21098-01
Date 1 FEBRUARY 2023
Revisions Rev Date
2/28/2023



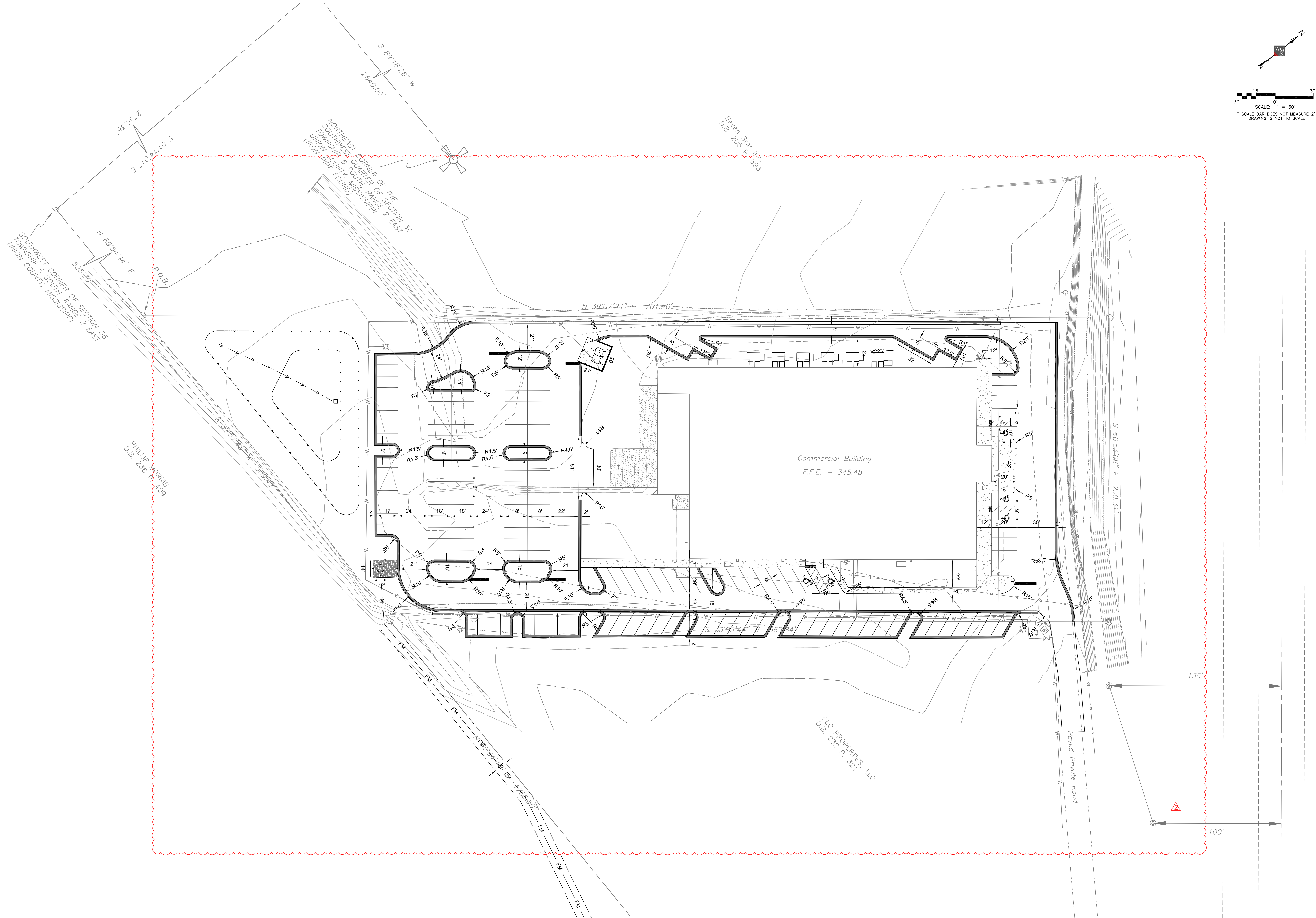
ENGINEERS & SURVEYORS

204 West Leake Street
Clinton, Mississippi 39056
p 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p 601.833.9598

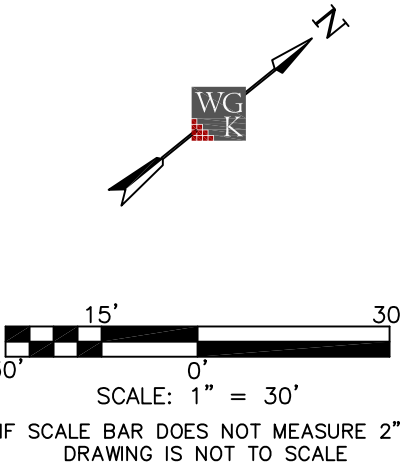
C-4.1

GRADING PLAN

V:\Dale Partners\2022-48+00 New Albany SD CTE Building\Production Drawings\C5.0 - Geometric Layout\2/28/2023 11:30 AM



NOTES:
1. ALL RADIUS DIMENSIONS ARE TO THE FRONT OF CURB.



WGK
ENGINEERS & SURVEYORS
204 West Lake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

DALE
PARTNERS

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyparts.com



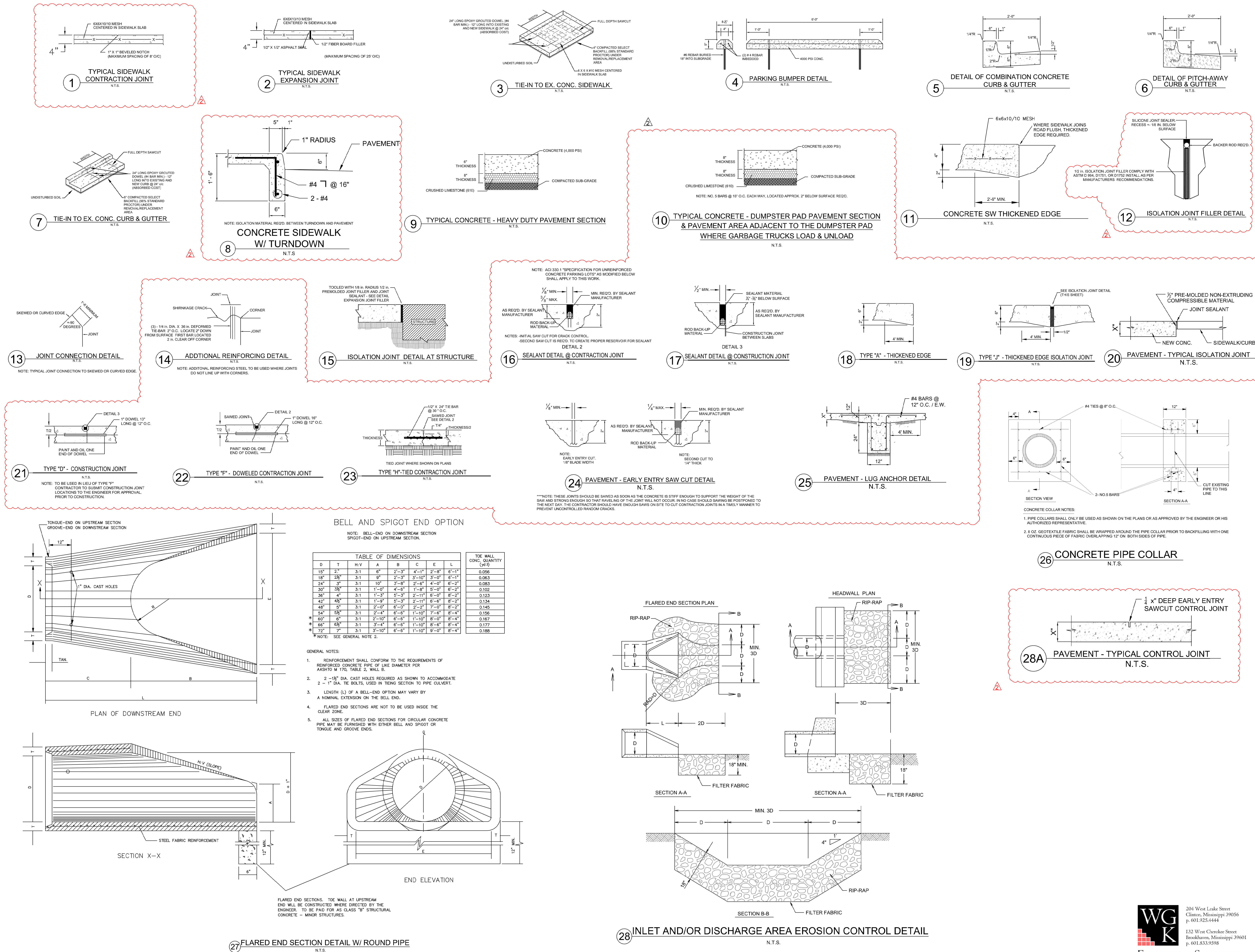
New Albany Center For Innovation Phase 1 New Albany, MS

100%
Construction
Documents

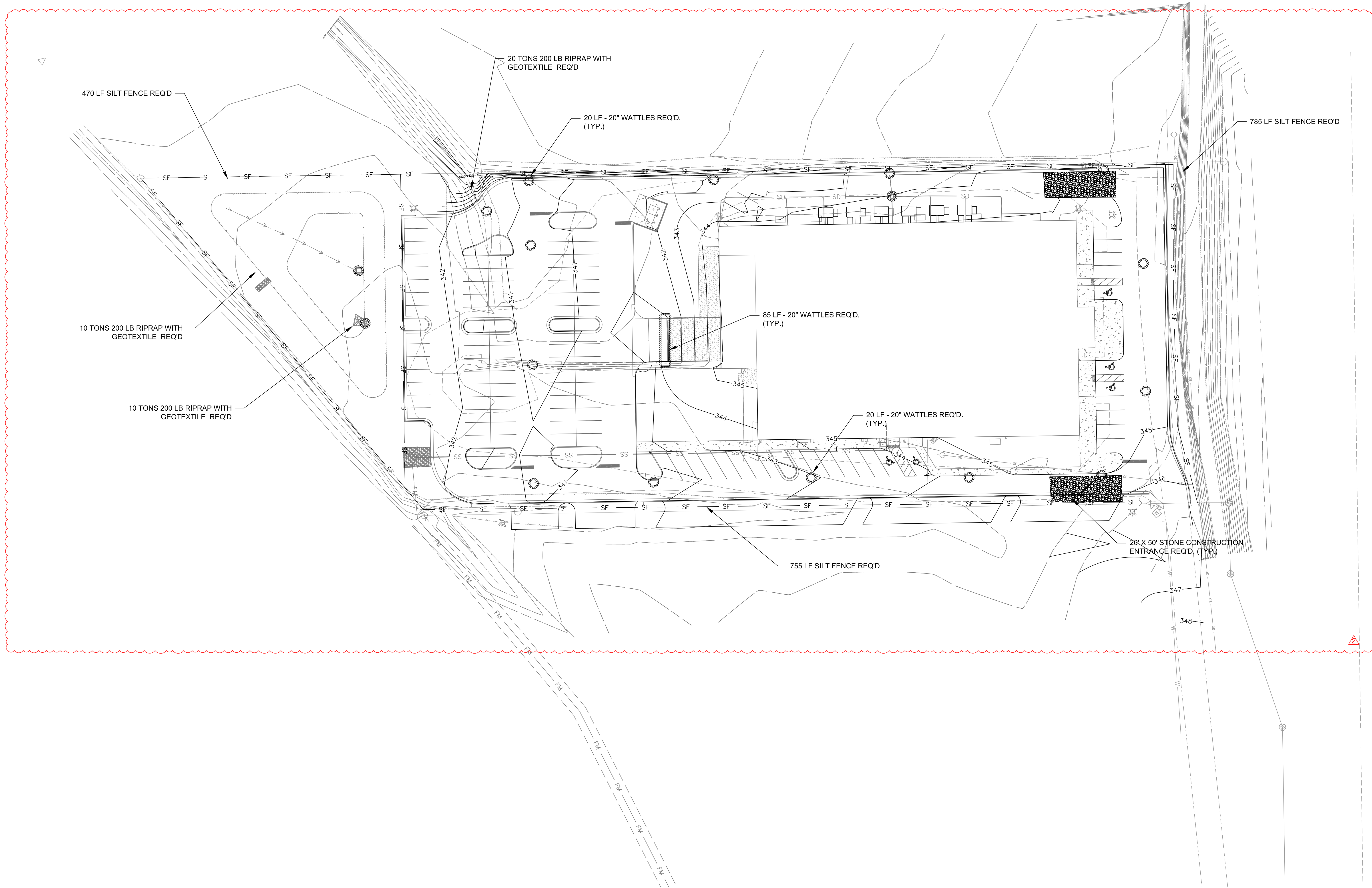
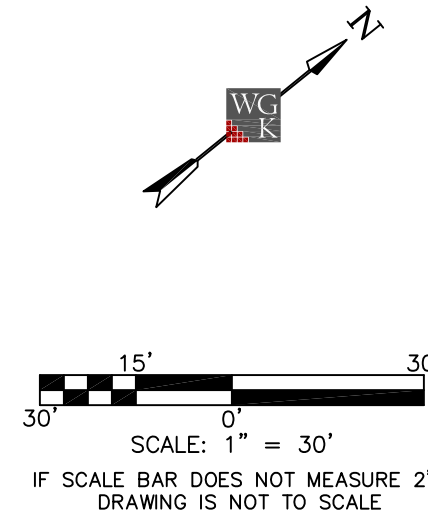
Project No 21098-01
Date 1 February 2023
Revisions Rev Date
2/28/2023

C-5.0
GEOMETRIC LAYOUT

V:\Dale Partners\2022-481-00 New Albany SD CTE Building\Production Drawings\Construction Details_resnow (2) 2/28/2023 10:20 AM



V:\Dale Partners\2022-48+00 New Albany SD CTE Building\Production Drawings\Revision 2\C11.0_Erosion Control Plan 2/28/2023 10:30 AM



204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444
132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

ENGINEERS & SURVEYORS

DALE
PARTNERS

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



New Albany Center For Innovation Phase 1 New Albany, MS

100%
Construction
Documents

Project No	21098-01
Date	1 February 2023
Revisions	Rev Date
	2/28/2023

C-11.0

Erosion Control



SPECIFICATIONS - FIRE SPRINKLER

WET PIPE SPRINKLER SYSTEM GENERAL NOTES:

- THE SPRINKLER CONTRACTOR SHALL PROVIDE A NEW FIRE SPRINKLER ARRANGEMENT INCLUDING PIPING AND HEADS, AND OTHER APPURTENANCES AS SHOWN ON CONTRACT DRAWINGS OR AS SPECIFIED, TO PROVIDE A WET PIPE SYSTEM COVERAGE TO THE ENTIRE TENANT SPACE, INCLUDING MODIFICATION OF EXISTING PIPING AND HEADS, WITH NEW AS REQUIRED TO SUIT RENOVATED AND NEW AREAS, AS SHOWN ON CONTRACT DRAWINGS.
- THE SYSTEM SHALL INCLUDE ALL PIPING, VALVES, FITTINGS, AND HEADS REQUIRED FOR THE TYPE OF CONSTRUCTION AND AS REQUIRED BY OWNER'S INSURANCE AND LOCAL FIRE AUTHORITY REQUIREMENTS.
- SYSTEM SHALL INCLUDE GENERAL WET PIPE AREA SPRINKLER PIPED ARRANGEMENT, INCLUDING NEW HEADS OF TYPE INDICATED HEREINAFTER, PER NFPA 13 (LATEST EDITION) REQUIREMENTS FOR ALL NEW INTERIOR SPACES, AS REQUIRED FOR A COMPREHENSIVE FIRE SPRINKLER PROTECTION.
- IT IS THE SPRINKLER CONTRACTOR'S RESPONSIBILITY TO REVIEW PLANS, AVAILABLE AS-BUILTS FROM SHELL BUILDING, AND VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS FOR INSTALLATION.
- THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DESIGN REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITY WHICH VARY FROM THE MINIMUM CODE STANDARDS IMPOSED BY THESE SPECIFICATIONS, AND INCLUDE SAME IN HIS BID AND INSTALL SAME IN THIS PROJECT.
- THE ENTIRE WORK MUST BE EXECUTED IN A NEAT, SUBSTANTIAL, AND WORKMAN-LIKE MANNER, ACCORDING TO THE TRUE INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS, WHICH ARE INTENDED TO INCLUDE EVERYTHING DEPENDENT UPON THEM AND REQUIRED FOR THE COMPLETION OF THE WORK WITH MATERIALS BEST ADAPTED TO THE PURPOSE.
- IN GENERAL, DUCTWORK AND OTHER GRADED PIPING DRAINAGE SYSTEMS HAVE THE RIGHT-OF-WAY. THE SPRINKLER CONTRACTOR SHALL PROVIDE, INSTALL, AND ARRANGE HIS PIPING LAYOUT TO AVOID CONFLICTS WITH OTHER INSTALLATIONS.
- THE SPRINKLER CONTRACTOR SHALL TEST THE SYSTEM AND CONTROLS, RELIEF VALVES, ETC., AS IT PERTAINS TO PROPER OPERATION IN CONJUNCTION WITH A NEW OR EXISTING SYSTEM, FIRE ALARM SYSTEM, PIPE LEAK TESTING, ETC. CONTRACTOR SHALL PROVIDE ANY AND ALL EQUIPMENT AND INSTALLATIONS NECESSARY TO PROVIDE A FULLY OPERABLE SYSTEM CONFORMING TO THE LATEST CODES AND STANDARDS.

FIRE ALARM:

- THE CONTRACTOR SHALL PROVIDE ALL WIRING AND INTERLOCKS AS REQUIRED FOR CONNECTION TO THE BUILDING FIRE ALARM SYSTEM FOR NEW AND EXISTING REPLACED TAMPER AND FLOW SWITCHES. SEE DIVISION 28 FOR FURTHER REQUIREMENTS.

SEISMIC RESTRAINTS:

- SUBMIT SHOP DRAWINGS FOR ALL DEVICES SPECIFIED HEREIN AND AS INDICATED AND SCHEDULED ON THE DRAWINGS. SUBMITTALS SHALL INDICATE FULL COMPLIANCE NFPA 13 REQUIREMENTS. ANY DEVIATION SHALL BE SPECIFICALLY NOTED AND SUBJECT TO ENGINEER APPROVAL. SUBMITTALS SHALL INCLUDE DEVICE DIMENSIONS, PLACEMENT, ATTACHMENT AND ANCHORAGE REQUIREMENTS.
- PROVIDE CALCULATIONS FOR SELECTION OF SEISMIC RESTRAINTS, CERTIFIED BY A QUALIFIED PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF THE PROJECT.

PIPING MATERIALS:

- WET PIPE: PIPING FROM FIRE PROTECTION RISER TO NEW WET PIPE SPRINKLER DISTRIBUTION SYSTEM SHALL BE BLACK STEEL, WITH JOINTS AND CONNECTIONS EITHER WELDED, SCREWED, OR BY MECHANICAL GASKETED GROOVED COUPLINGS, AS PER NFPA 13.
- SPRINKLER PIPING SHALL HAVE ANTIBACTERIAL COATING ON INSIDE OF PIPING TO RESIST MICROBIAL COLONIZATION OF PIPE/FITTING WALL(S) PREVENTING THE ONSET OF MICROBIOLOGICAL INFLUENCED CORROSION (MIC), AS 'DYNATHREAD' BY ALLIED TUBE AND CONDUIT.
- ALL SCREWED PIPING SHALL BE MINIMUM SCHEDULE 40 AND ALL ROLLED GROOVE PIPING SHALL BE A MINIMUM OF SCHEDULE 10 PIPING. NO PIPING LESS THAN SCHEDULE 10 SHALL BE ALLOWED ANYWHERE IN THE PROJECT.
- UNDERGROUND SERVICE ENTRANCE AT BUILDING SHALL BE SINGLE EXTENDED 90 DEGREE FITTING OF FABRICATED 304 STAINLESS STEEL, MAXIMUM WORKING PRESSURE OF 200PSI. SIZES THE ASSEMBLY SHALL BE UL/FM APPROVED AND MEET AWWA C900 INLET/DIP COUPLER FITTING ON OUTSIDE END AND A GROOVED END CONNECTION ON THE INDOOR END AND SHALL INCLUDE TIE-ROD RESTRAINING BRACKETS, ASSEMBLY EQUAL TO AMES SERIES IBR.

SPRINKLER HEADS:

- UNLESS OTHERWISE SPECIFIED OR SHOWN, PROVIDE AND INSTALL SPRINKLER HEADS OF REGULAR AUTOMATIC CLOSED TYPE, OR NEW SPRAY TYPE HEADS, FOR ORDINARY DEGREE TEMPERATURE RATING EXCEPT THAT TYPE AND TEMPERATURE RATINGS OF SPRINKLER HEADS INSTALLED IN THE VICINITY OF HEATING EQUIPMENT SHALL BE AS REQUIRED FOR SUCH LOCATIONS BY NFPA 13, WHERE, IN THE OPINION OF THE OWNER'S INSURANCE COMPANY, SPECIAL OCCUPANCIES AND INSTALLATIONS INDICATE THE NEED FOR SPECIAL HEADS, HIGH TEMPERATURE RATING, ETC., FOR SUCH HEADS BY ACTUAL TESTS AT THE SITE, PROVIDE QUICK RESPONSE HEADS IN ALL APPLICATIONS.
- UTILIZE CONCEALED PENDENT-TYPE HEADS WITH FLUSH MOUNTED COVERS IN AREAS WITH CEILINGS.
- UTILIZE CHROME PLATED UPRIGHT HEADS, WITH THE DEFLECTORS PARALLEL TO CEILING OR ROOF SLOPE, IN AREAS WITHOUT CEILINGS. CLEARANCES BETWEEN THE DEFLECTORS AND THE CEILINGS, ROOF DECKING, OR ROOF JOISTS TO BE IN ACCORDANCE WITH NFPA 13, UNLESS OTHERWISE SHOWN ON DRAWINGS.
- ALL HEADS IN LAY-IN ACOUSTICAL TILE CEILING AREAS SHALL BE INSTALLED WITH SWING JOINTS SO AS TO BE ABLE TO CENTER SAME IN CEILING TILE. (NO EXCEPTIONS). AN ACCEPTED ALTERNATIVE TO SWING JOINTS ARE FLEXIBLE STAINLESS-STEEL HOSES AND LAY-IN OR SHEETROCK MOUNTING BRACKETS MANUFACTURED BY FLEXHEAD.

TAMPER SWITCHES:

- PROVIDE TAMPER SWITCHES FOR ALL ABOVE GRADE AND INTERIOR BUILDING SHUT-OFF VALVES AND COORDINATE FIRE ALARM CONNECTIONS FOR ALL SWITCHES.

WATER FLOW INDICATOR SWITCHES:

- PROVIDE WATER FLOW INDICATION SWITCHES FOR ALL ZONES AND SYSTEMS OF THE SPRINKLER INSTALLATIONS. COORDINATE ALL FIRE ALARM CONNECTIONS AND ZONES.

WATER PIPING ACCESSORIES:

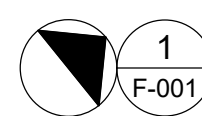
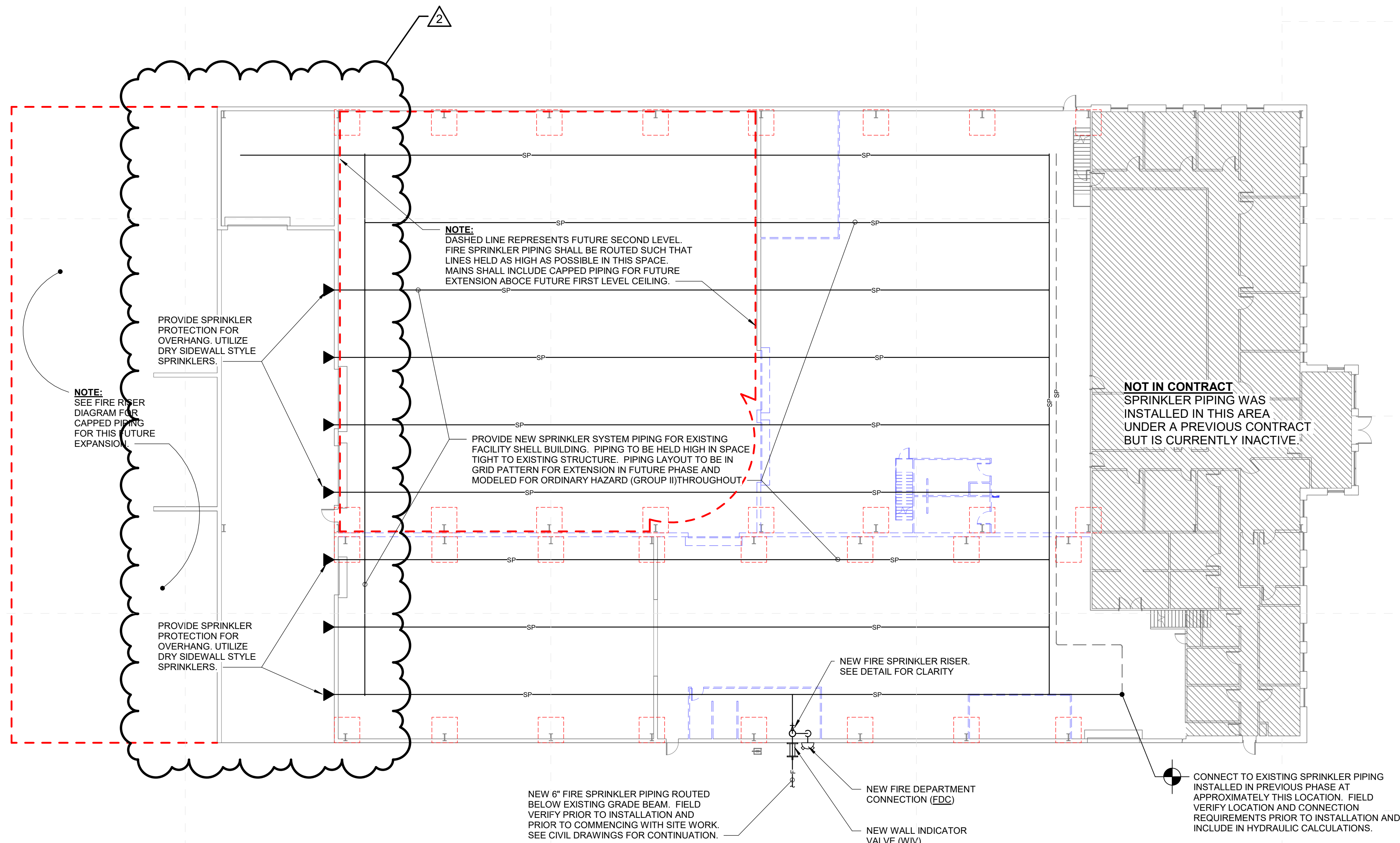
- FIRE DEPARTMENT CONNECTIONS: SHALL BE CAST BRASS BODY WITH DROP CLAPPERS AND PIN LUG SWIVELS. PROVIDE FACTORY LETTERING READING "AUTO. SPKR." CONNECTION SHALL BE AS FOLLOWS:
 - WALL SIAMESE TYPE EQUAL TO POTTER-ROEMER FIG. 5751-F (4"x2-1/2"x2-1/2", 2-WAY WITH SILCOCK AND FLANGE PLATE)

DRAINS:

- INSTALL MAIN DRAINS ON MAIN RISERS AND AUXILIARY DRAINS AT LOW POINTS IN THE SYSTEM. INSTALL INSPECTOR'S TEST DRAINS ON EACH SPRINKLER SYSTEM AS NEAR THE OUTER END OF SYSTEM AS POSSIBLE. DRAIN VALVES TO BE OF THE ANGLE TYPE, INSTALL IN ACCORDANCE WITH NFPA 13. PIPE DRAIN VALVES TO A SAFE PLACE OR DISCHARGE, DISCHARGE TO BE VISIBLE EITHER BY OPEN END DRAIN PIPE OR SIGHT DRAIN FITTING. PROVIDE PERMANENT METAL SIGNAGE AT EACH TEST VALVE INSTALLATION.

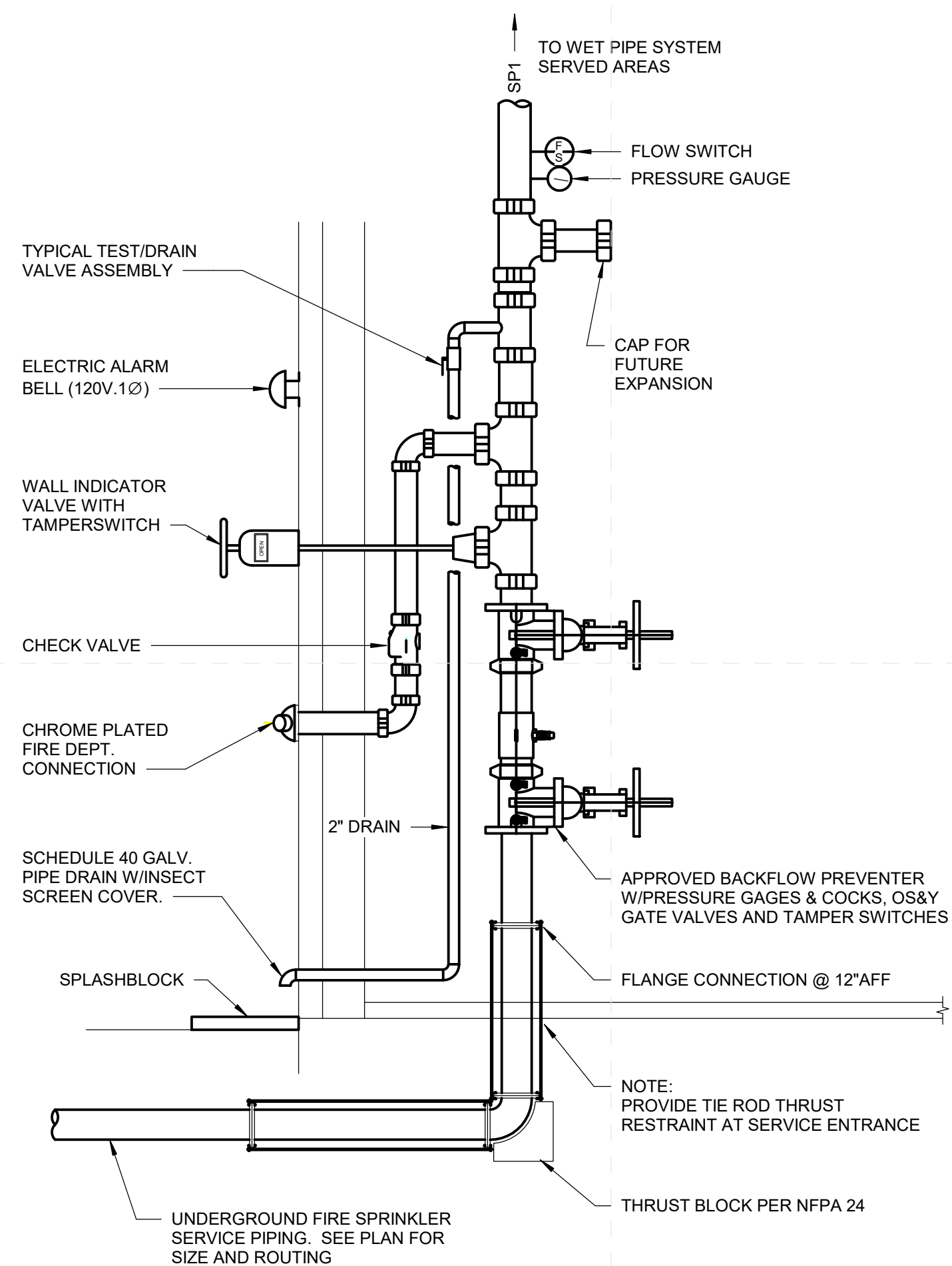
TESTS:

- UPON COMPLETION AND PRIOR TO THE ACCEPTANCE OF THE INSTALLATION, SUBJECT THE SYSTEM TO THE TESTS REQUIRED BY FIRE DEPARTMENT AUTHORITIES AND THE OWNER'S INSURANCE COMPANY AND NFPA PAMPHLET NO. 13, PARAGRAPHS 110 AND 111, AND FURNISH THE OWNER WITH A CERTIFICATE AS ACCEPTABLE BY SAME, INDICATING THE SPRINKLER CONTRACTOR CERTIFIES THE SPRINKLER SYSTEM IS COMPLETELY OPERABLE AND CONFORMS TO LOCAL AND NATIONAL CODE REQUIREMENTS, SPECIFICALLY NFPA 13.



Phase 1 - Fire Sprinkler New Work Plan

1/16" = 1'-0"



FIRE SPRINKLER RISER DETAIL

N.T.S.

FIRE SPRINKLER FLOW DATA:

72 P.S.I. - STATIC

52 P.S.I. - RESIDUAL

1062 GPM FLOW

FLOW DATA PROVIDED BY FIRELINE, INC. TEST PERFORMED ON MAY 17, 2022. THE FIRST FIRE HYDRANT (PRESSURE READINGS) IS LOCATED ROUGHLY 1000' EAST OF SITE ON FRONTAGE ROAD. THE SECOND FIRE HYDRANT (FLOWING PITOT TUBE READING) IS LOCATED AT NORTHEAST CORNER OF PROPERTY.

CONTRACTOR'S HYDRAULIC CALCULATIONS SHALL PROVIDE FOR A MINIMUM OF 10 PSI SAFETY MARGIN.

CONTRACTOR SHALL PERFORM HIS OWN FLOW TEST WITHIN SEVEN (7) DAYS OF NOTICE TO PROCEED FOR USE IN HYDRAULIC CALCULATIONS.