

GENERAL REQUIREMENTS

QUALITY CONTROL NARRATIVE

6C.3.1-16

QUALITY CONTROL NARRATIVE

The 90 % Construction Documents (CD) have been reviewed by both the OPM's and the CM's staff. Recommendations and information were exchanged during the meetings and pre-bid requests for information (RFI's). CM-R is utilizing Procore site to communicate information between the Project Team members. The CM-R's recommendations, that were based on their knowledge of the construction means and methods, have been included as part of this 90% Construction Documents submission. The documents went through an in-house Quality Control Review.

Ceiling Clearances

Regular meetings were held involving the entire design team to review all systems and their impact on the ceilings. The coordination meetings used 3D BIM models to review the requirements for key MEP systems, including air handling units on mechanical mezzanines, ductwork supply and return lines, sprinkler mains and head locations, and light fixtures. The MEP requirements were coordinated with the structural steel depths to confirm finished ceiling heights. In addition, Interdisciplinary Document Coordination, IDC, was performed by the CM-R and the findings shared with the Design Team. The resulting information was coordinated and is documented on the Reflected Ceiling Plans and Building sections.

Mechanical Room & Shaft Sizes

Prior to issuance of the Early Structural Bid documents, all major pieces of the MEP Systems were carefully coordinated. Each piece of equipment, and associated distribution components, placed within the Mechanical Rooms and on the roof were reviewed to coordinate the structural load requirements, clearances required around the units, and major shaft sizes and locations. The results of this coordination can be seen in the floor plans, the MEP drawings, and the structural framing.

Coordinate Specifications & Drawings

The Design team has been coordinating the drawings and specifications, and incorporating additional comments received from the OPM and the CM-R. The updated specifications have been included in the 90% submission.

Filed Sub-Bid Work

Further progress was made on defining the Filed Sub-Bid (Trade Bid) scope of work and incorporating it into the specifications and drawings.

Scheduling

The construction schedule and phasing approach was reviewed and confirmed during several progress meetings with the School District Administration, CM-R, OPM, and Architect. Specific emphasis was given to the site entry during construction to provide proper separation between the existing high school and construction activities. Ledge removal by blasting activities and site utilities coordination continued to be the focus of the CM-R planning of the early site package. The planning was guided by the goal of minimal disturbance to the adjacent resource areas and properties. CM-R consulted with the blasting experts as part of the construction activities planning. The Project Team discussed the advantages and challenges of the early site and structural steel enabling packages.

Further development of the site utilization diagrams by the CM-R was significant effort as part of the Early Site Enabling Bid Package documentation which has been awarded and will begin shortly.

Equipment & Power

Power requirements for major equipment have been reviewed and coordinated between design team members.

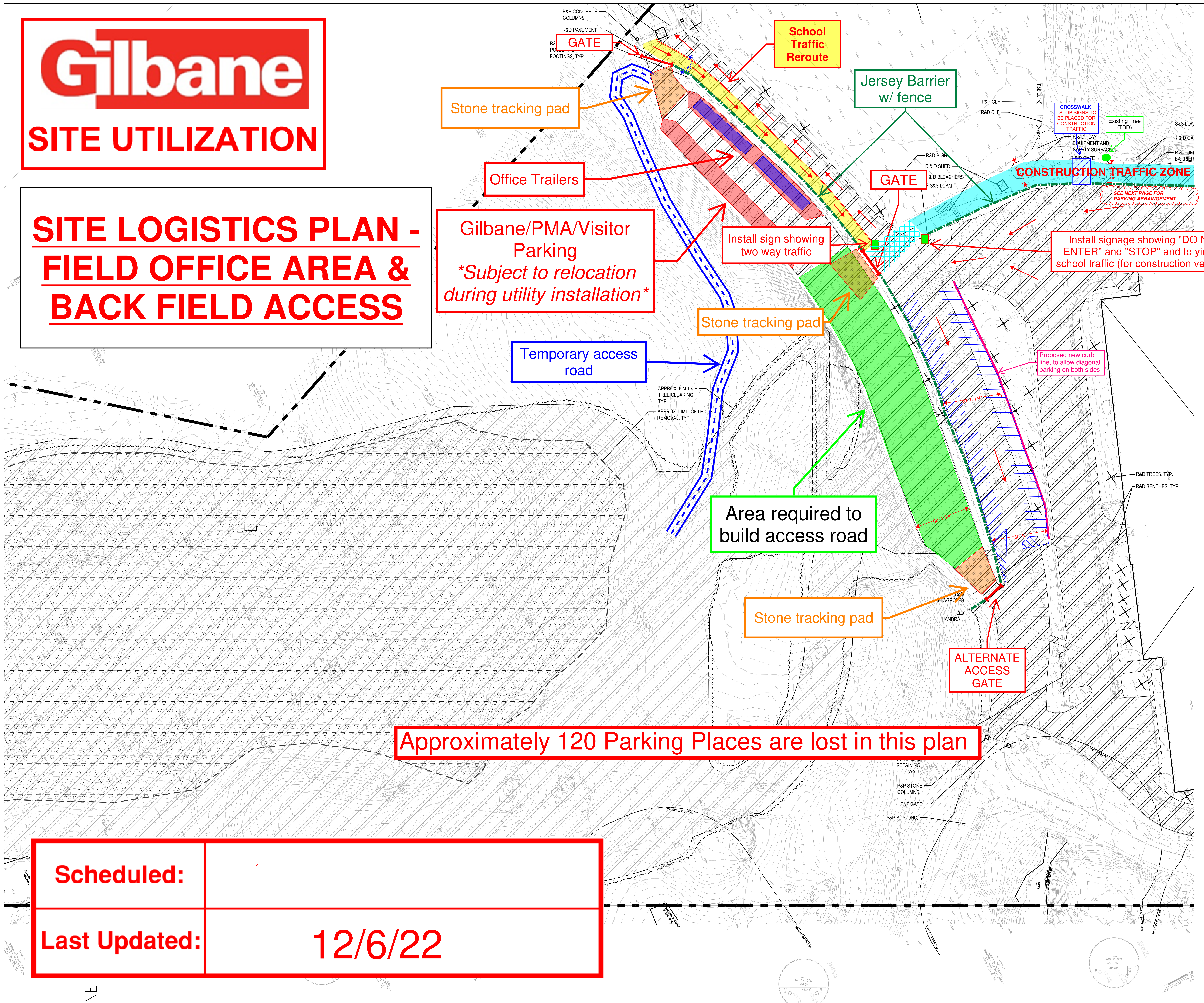
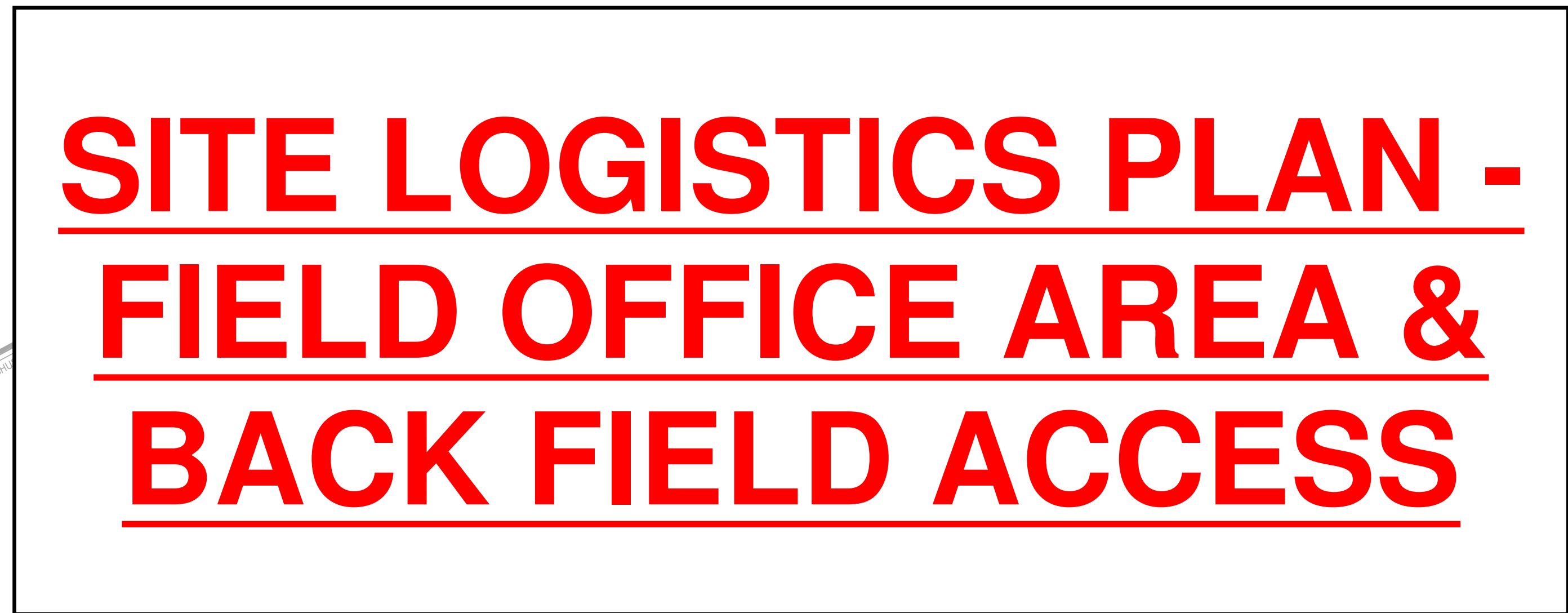
Additional coordination meetings have been held with the Career Tech Staff and School District Administration. Vocational equipment types and locations were reviewed. Base utilities have been coordinated and updated to reflect the latest equipment selections. In addition, locations for convenience utilities, mobile and benchtop equipment were reviewed, as well as locations for fume extraction arms, compressed air, 208V-3-phase power to accommodate portable MIG welders, pneumatic hand tools. These items have been incorporated into the drawings and can be seen in the Equipment plans and schedules, architectural plans, and MEP drawings.

Existing & New Construction

The existing building will be demolished as part of this project, thus the Project does not include renovation of the existing school.

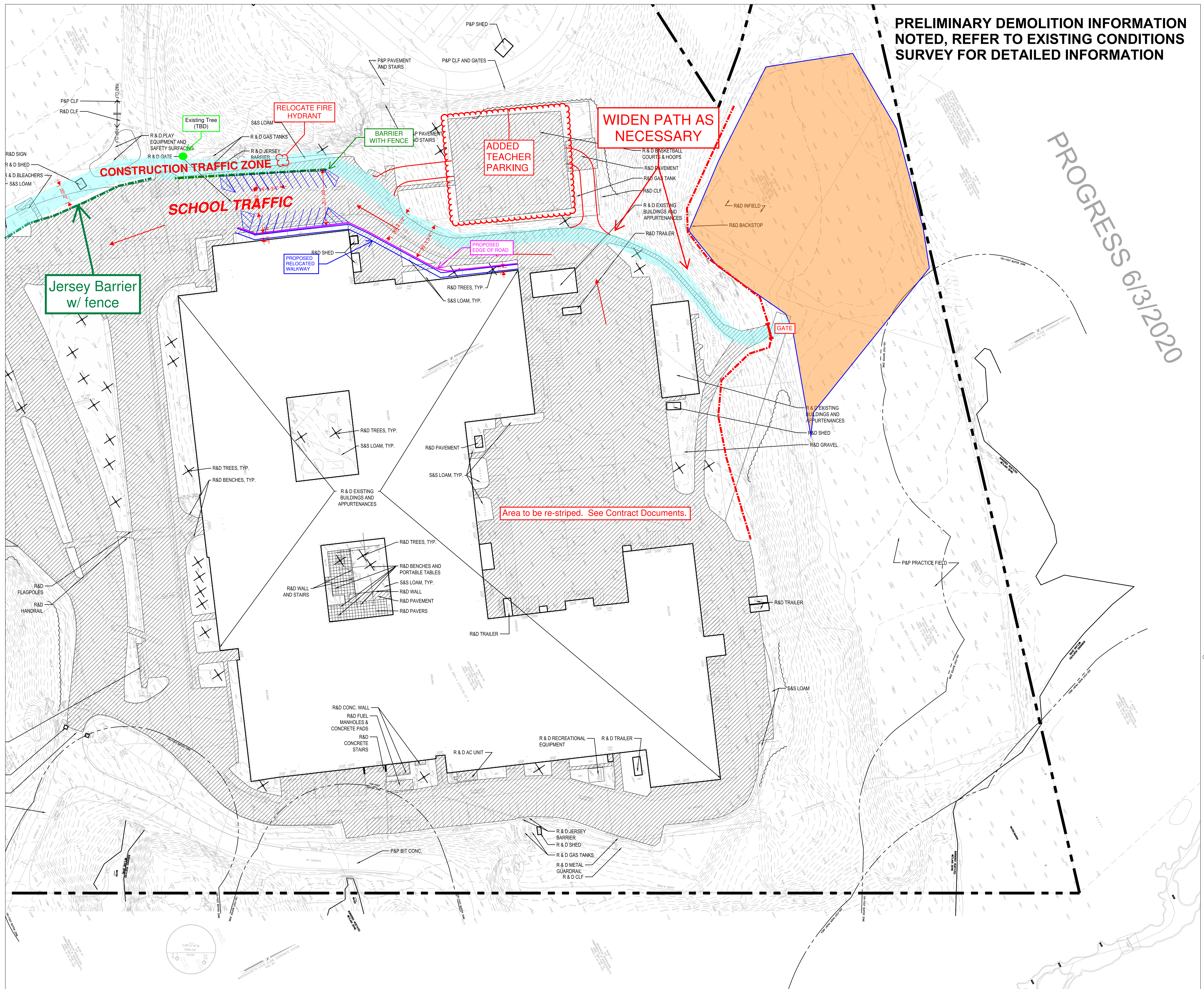
Phasing

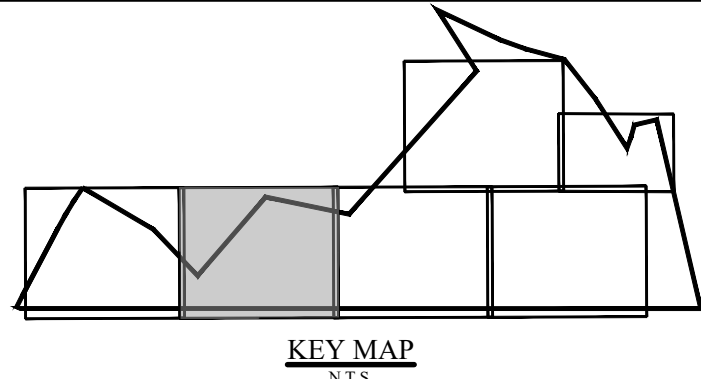
Early Site Enabling and Foundation and Structural Steel packages have been issued to the CMR for bidding. The project team continues to coordinate phasing as additional CM-R input is received. Phasing / Site utilization Diagrams, prepared by CM-R, can be found at the end of this section, 6C.3.1-16.



PROGRESS 6/3/2020

104





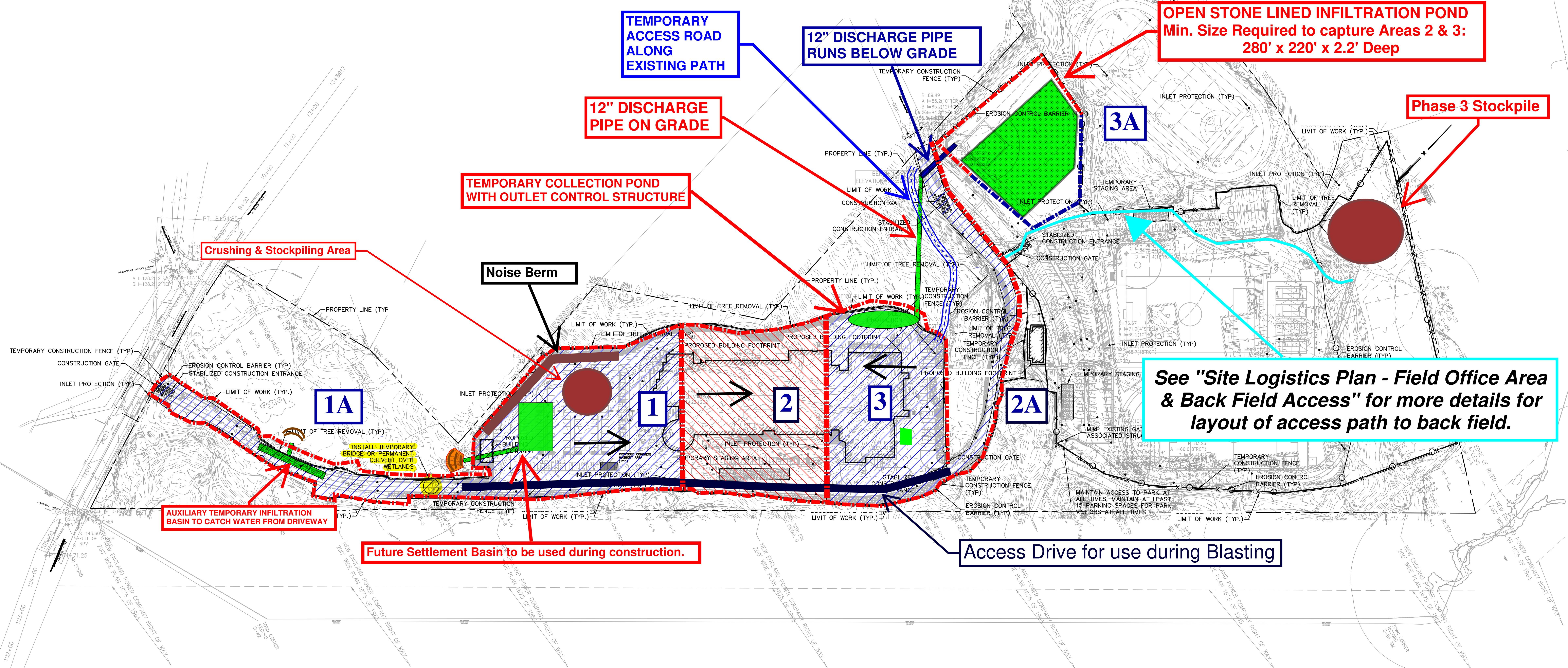
- NOTES:
- 1) ALL PROPOSED AND EXISTING DRAINAGE INLETS SHALL HAVE SILT SACS/INLET PROTECTION INSTALLED DURING CONSTRUCTION
 - 2) CONTRACTOR TO LIMIT COMPACTION IN AREAS OF PROPOSED INFILTRATION
 - 3) LOCATION OF CONSTRUCTION FENCE AND EROSION CONTROL SET UP AND REMOVAL BETWEEN PHASES ARE THE CONTRACTOR'S RESPONSIBILITY

Gilbane

SITE UTILIZATION

Sequence of Work

Refer to Scope of Work Item #3



Scheduled:	2/1/23 - 7/1/23
Last Updated:	12/6/22