

March 12, 2019

Mr. Sam Kilpatrick III
Director of Buildings and Grounds
Ledyard Public Schools
4 Blonders Boulevard
Ledyard, CT 06339

Mr. Kilpatrick,

Attached are schematic/feasibility level design drawings for the renovations of the track and field at Ledyard High school, as well as a color rendering of the proposed work and a recommendation for the proposed budget for the project should the town choose to move forward with this design.

Generally, the work includes a total rebuild of the track and field within the bounds set by the existing bleachers, and the existing school building. The existing track pavement, curbing and perimeter fence will be completely removed, the existing interior athletic field will have its topsoil removed, goals removed and will be completely re-graded to eliminate the existing curb/grade difference along the interior edge of the track at the south end. The site will be regraded to prepare for the new track and field, with excess soil remaining on site, being placed on the slope east and north of the track in order to correct some erosion issues at that side of the track. A masonry unit retaining wall, and drainage will be installed along the west side of the track, in order to take-up grades for the wider track, as well as to intercept drainage before it hits the track (to prevent staining that is on the existing track)

The track will be completely new, with a wider infield to accommodate a minimum high school width soccer field, with safety run-outs. The track will be a 6 lane oval, with a 6 lane straight, with a 3" thick asphalt base and a red, ½" urethane surfacing and striping. The track will be surrounded with a new 4' high galvanized chain link fence to keep spectators and vehicles off the new field and track. The Field will be a new 2" knap, third generation infill synthetic turf system with a 17 mm resilient pad underlayment and an infill that consists of a mix of sand and coated crumb rubber to help keep field temperatures down. The turf will be underlain with a 6" minimum of open drainage stone and pipe that will allow the field to drain a minimum of 16" of rain an hour, and allow use of the field in the wettest of New England conditions. The proposed work will correct all the existing issues with the facility and will provide the school with the base, fencing and drainage infrastructure for synthetic turf and running track that should last for the next 50+ years.

Knowing budget constraints, we have also provided the school with a number of budget pricing options should resources become available for additional improvements, including:

- Replacing fencing at Gallup Hill Road
- Additional Synthetic turf field graphics/branding
- Updated athletic lighting controls
- New non-fixed track and field equipment
- New Multisport Scoreboard

The attached pricing assumes favorable subsurface conditions and typical existing construction. Geotechnical investigations are currently underway in the area of the field. Their findings may affect the attached budget estimate by requiring additional work (e.g. if poor sub-soils, ledge rock or extra thick track pavement are encountered). Kaestle Boos Associates will revise the attached budget recommendations based on those findings, if required.

Should the town decide to proceed with this project the first step will be to hire a surveyor to perform a topographic, locations and utilities survey of the area of proposed work. This survey will serve as the base for any proposed design or bid drawings.

Please review the attached and let us know if you have any questions, comments or revisions.

Very Truly Yours
Kaestle Boos Associates,



Eric Q. Roise ASLA
Project Manager/Landscape Architect

Encl:

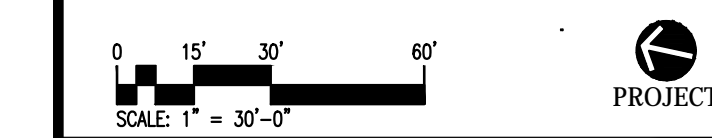
- Color rendering of proposed work (March 11, 2019)
- Recommended Budget Estimate Worksheets (March 11, 2019)
- Schematic site, layout and grading plans. (2 sheets) (March 11, 2019)

PROGRESS PRINT

March 11, 2019
DATE: NOT FOR CONSTRUCTION

DATE	ISSUE DATE	DESCRIPTION

DATE	REVISIONS	REFERENCE



**LEDYARD HIGH SCHOOL
TRACK & FIELD
RENOVATIONS**

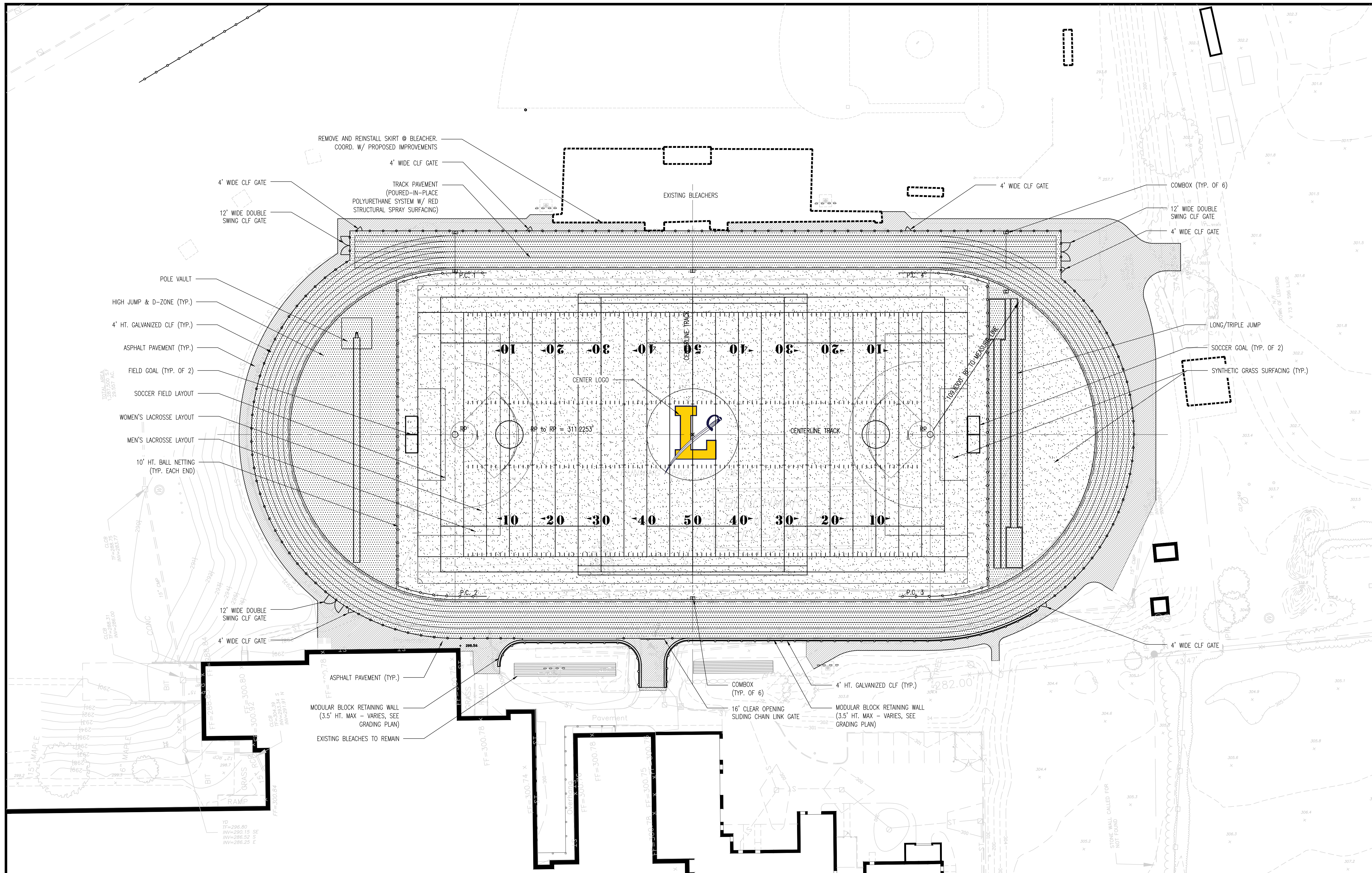
24 GALLUP HILL RD.
LEDYARD, CT 06339

PROJECT NO.: 19001.00 DRAWN BY: EGR

**SITE LAYOUT &
MATERIALS PLAN**

DRAWING NO.:

L1.01



NOTES:

1. NOTIFY "CALL BEFORE YOU DIG (cbyd)" (811) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
4. THIS DRAWING IS INTENDED TO DEPICT THE LOCATION, LAYOUT, AND MATERIALS OF CONSTRUCTION AND IS INTENDED TO BE USED IN CONJUNCTION WITH APPLICABLE SPECIFICATION SECTIONS.
5. THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
6. DIMENSIONS INDICATED ARE TO FACE OF CURB, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT, OR AS OTHERWISE NOTED. UNLESS OTHERWISE INDICATED, LINES ARE PARALLEL OR PERPENDICULAR TO LINE FROM WHICH THEY ARE MEASURED.
7. ENGAGE A LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF BASELINES, PROPOSED IMPROVEMENTS, DIMENSIONS AND ELEVATIONS, REPORT DISCREPANCIES TO THE ENGINEER.
8. EXISTING CONDITIONS INFORMATION WAS OBTAINED FROM CONSTRUCTION DRAWINGS ENTITLED: ""LEDYARD HIGH SCHOOL CRITICAL NEEDS" BY M.R. ROMING ASSOCIATES, DATED JULY 25, 2002 THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.

LEGEND

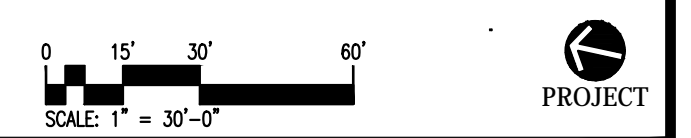
- DETAIL # DETAIL REFERENCE TAG
- SHEET # LINEAR DIMENSION
- LIGHT DUTY ASPHALT PAVEMENT
- SYNTHETIC TURF
- TRACK PAVEMENT

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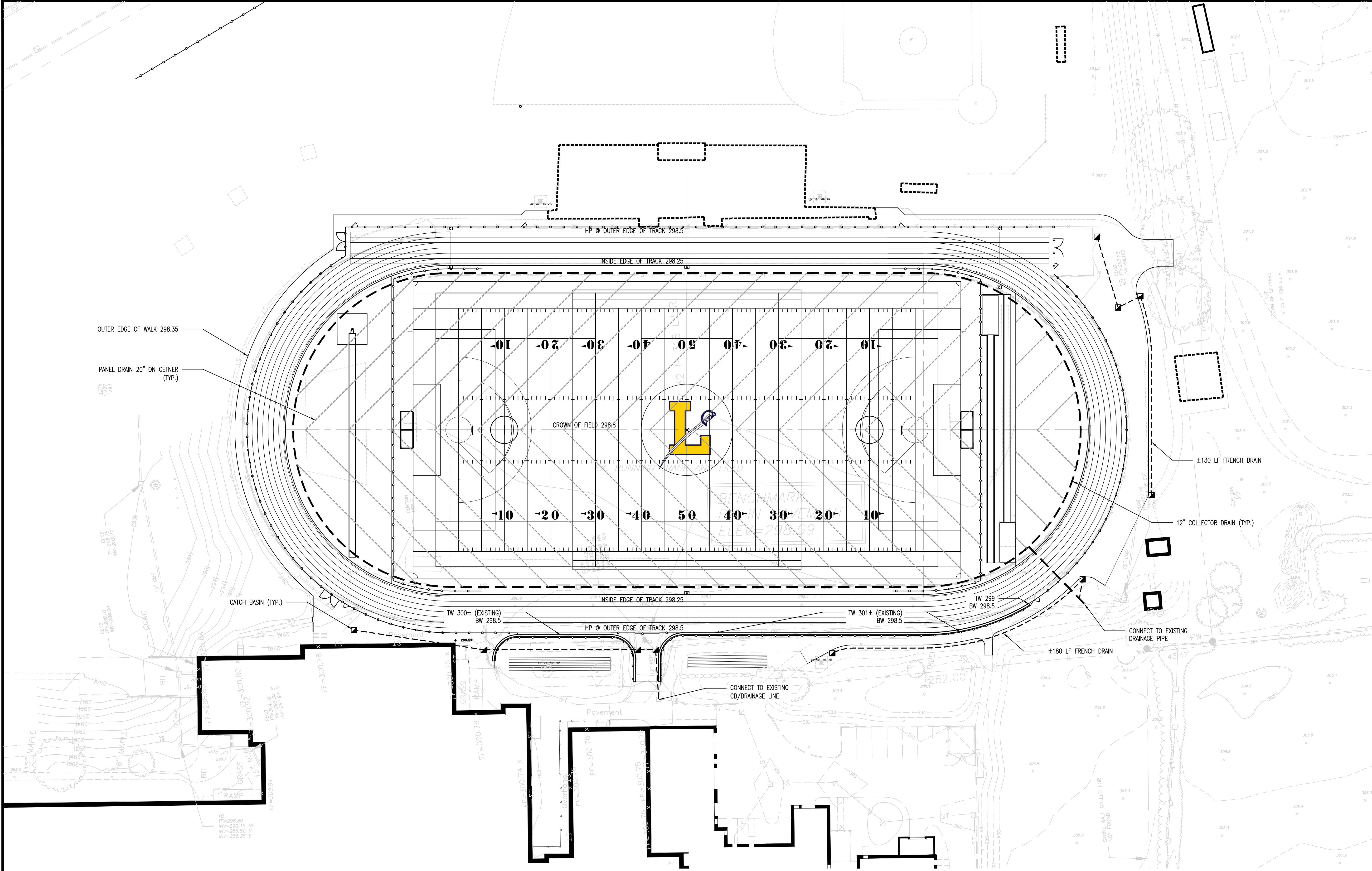
**LEDYARD HIGH SCHOOL
TRACK & FIELD
RENOVATIONS**

24 GALLUP HILL RD.
LEDYARD, CT 06339

PROJECT NO.: 19001.00 DRAWN BY: EGR

**SITE GRADING &
DRAINAGE PLAN**

DRAWING NO.:
L2.01



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