



Massillon Eastside Elementary School

To: Jason Haines
Engineer Technician
City of Massillon

From: Thomas A. Weiss III, P.E., CPESC
Lewis Land Professionals, Inc.

Reference: Massillon Eastside Elementary School

Date: June 13, 2023

Below are the responses to the plan review comments received via email on May 24, 2023. It should be noted that the site responsibilities are split between Lewis Land Professionals and Behnke Landscape Architecture. Behnke Landscape Architecture will respond to comments related to their scope in a separate response letter.

Since the initial submittal, there have been issued 1 addendum and 1 bulletin and plan approval has been granted by Stark Soil & Water Conservation District. Some comments have been previously resolved in plan revisions based on Stark SWCD comments and/or contractor questions.

GENERAL

- 1) Provide approval letter from Stark Soil and Water Conservation District regarding erosion control plans.
Stark SWCD's approval letter is included in this resubmission. It should be noted that your office was sent a copy of this letter directly from Stark SWCD (Sarah Matheny) on 5/16/2023.
- 2) Add signature approval line for "City of Massillon Engineering"
The architect will add this to the title page.
- 3) Show and label existing easements on west side of site-sanitary, storm easements - Relocated storm sewer, easements?
All known easements have been shown on sheet C-400.
- 4) Provide a copy of the soils report for this site.
The architect will provide the soil report for the project.
- 5) Provide a storm water management report and conveyance/pipe calculations
SWM calculations and storm sewer were previously included. Attached are the calculations approved by Stark SWCD.

- 6) Need to review the site plan checklist (see attached). Many items missing from the site plan.
Checklist has been coordinated between our office and Behnke Landscape Architect.
- 7) Correct text/legibility issues on several sheets.
Plans revised to provide clarity.
- 8) Show any offsite improvements on the site plan. Sidewalk access, ramps , crosswalks, school zone markings and signage, etc.
See response from Behnke Landscape Architects.
- 9) Provide plumbing plan for the new school building showing number of restrooms , etc and fixture count.
Architect to include plumbing plans for reference only.

DEMOLITION

- 10) Label address of the building to be demolished.
Sheet C-001 was shown for reference only. The building has already been abated and demolished.
- 11) Clarify "remove to here" for storm lines---provide dimensions and specific information at disconnect point. Manhole/catch basins at end of pipes?
This location is where the new manhole (ST-36) is located, and to connect to the existing storm sewer.
- 12) Explain note 3, and 4, removal of sanitary sewer?? This line needs to remain as it services the homes to the north and east of the site.
Sanitary sewer south of the stadium towards old armory building to be removed. Sanitary located in vacated right-of-way to remain. See plan sheet.

PROPOSED SITE PLAN

- 13) Label the zoning for the property and all adjoining properties.
See response from Behnke Landscape Architects.
- 14) Label the owners name for the site and all adjoining properties
See response from Behnke Landscape Architects.
- 15) Show and label pavement width, eop, and right of way lines for all adjoining roadways
See response from Behnke Landscape Architects.
- 16) Label right of way widths for all adjoining roadways
See response from Behnke Landscape Architects.
- 17) Show and label private road "George red bird Drive" Is this road to remain in service? Relocated? Site plan shows sidewalk replaced across the existing drive approach ...
See response from Behnke Landscape Architects.
- 18) Show and label existing culverts along 20th Street
See response from Behnke Landscape Architects.
- 19) Label setbacks for the lot and actual setbacks of the proposed building
See response from Behnke Landscape Architects.
- 20) Show and label the 6-foot parking setback from the property lines
See response from Behnke Landscape Architects.

- 21) Show and label Oak Ave intersection on the east side of the site
See response from Behnke Landscape Architects.
- 22) Label dimensions of the proposed building.
See response from Behnke Landscape Architects.
- 23) Label the total building area, parking/sidewalk areas, and landscape area for the site.
See response from Behnke Landscape Architects.
- 24) Label distance from intersection for all driveway entrances
See response from Behnke Landscape Architects.
- 25) Show detail for each driveway entrance showing dimensions, curb cuts, spot elevations etc. See attached detail.
See response from Behnke Landscape Architects.
- 26) Show number of parking spaces required and provided on site per section 1183 of the zoning code.
See response from Behnke Landscape Architects.
- 27) Screening/plantings along east side of property?? - along Residential- Provide a landscape plan
See response from Behnke Landscape Architects.
- 28) Clearly label the 5-foot wide sidewalk along Cambridge Ave. New driveway approaches are to match sidewalk elevations as needed. ADA curb ramps to be installed at 20th Street intersection. Provide detail survey data to lay out new sidewalk at a set distance and elevation from street. Note how sidewalk will be constructed next to large drainage ditch/slope
See response from Behnke Landscape Architects.

PROPOSED UTILITY PLAN

- 29) Provide a new, outside drop manhole connection on the existing sanitary sewer. (see attached detail) Provide lateral sewer towards the building and terminate with a manhole near the building foundation.
An external drop manhole has been added instead of a lateral wye/riser.
- 30) Label existing sanitary sewer on north end site to remain, and be protected during construction
Existing sanitary previously labeled.
- 31) Show and label reconstruction of sanitary manhole with new elevations
Manhole rims to be adjusted have been labeled.
- 32) Add detail of sanitary manhole castings (see attached)
Details added to new sheet C-902.
- 33) Show and label ditches/culverts at driveway entrances
Culverts/storm sewer at drives to Cambridge previously shown. No culverts for drive to Harsh or 20th Street SE. See landscape grading plan.
- 34) Provide sizes of the storm sewer system in plan view.
Storm sewer sizes previously labeled.
- 35) Show data for existing storm sewer along Harsh Ave. Size of pipe, depth, etc
Information shown on topographic survey for site of existing sewers and utilities.

- 36) Label all proposed and existing utilities-water, gas, electric services?
All utilities previously labeled.
- 37) Show and label all road cuts and provide repair detail -see attached—
Right-of-way restoration to be shown on pavement plan by Behnke Landscape Architects.
- 38) Label the elevation of the pond emergency spillway and provide erosion control/rock channel protection
Pond emergency spillway detail shown on sheet C-701 with elevations. It should be noted the emergency spillway is not used in any storm analyzed, and should remain lawn for ease of maintenance.

PROPOSED GRADING

- 39) Label all existing and proposed contours
See response from Behnke Landscape Architects.
- 40) Label the proposed slopes . Concern with maintenance on slopes over 3:I and how this will be stabilized
See response from Behnke Landscape Architects.
- 41) Show detail of ditch on Cambridge and any disturbance to be restored/stabilized
See response from Behnke Landscape Architects.
- 42) Grading of ditch /driveway culverts along 20th street is not shown on the site plan and needs to be accounted for.
See response from Behnke Landscape Architects.

STORM WATER REPORT

- 43) Please summarize the pre-development and post-development watersheds in the report and drainage map. The report must be signed and sealed by a professional engineer.
Signed and stamped report was provided with the initial submittal. The summary of pre & post developed conditions is summarized on page 3 of the report approved by Stark SWCD. The maps included in the report also have a summary table of the watersheds.
- 44) Provide pre-developed and post-developed drainage maps
Previously submitted report includes pre and post developed drainage maps.
- 45) Provide storm pipe calculations for the proposed network, as well as the existing Harsh Ave system accepting flow. Show that capacity is available to accept additional flow from the new development/change in outfall location(s).
The previously submitted drainage report included storm sewer pipe calculations for the proposed network. The connection point is an existing manhole, indicated as MH 31 on the topographic survey, which currently has a 15" storm sewer connected to it from the north (from the existing site). This 15" storm sewer is to be demolished and the new 15" will be connected to this same manhole. The stormwater management basin is designed to hold the entire 100-year storm to the capacity of this proposed 15" storm sewer. For the 10-year storm (typical storm sewer design), the pond release rate is 4.37 CFS, which is approximately 1/2 capacity of the 15" storm sewer.

Included with this resubmittal are revised plans, the calculations previously submitted (and approved by Stark SWCD), and additional information requested.