

April 28, 2020

City of Lee's Summit, MO  
220 SE Green Street  
Lee's Summit, MO 64063

RE: PL2019023 – Paragon Star Soccer Complex Storm Plan

We have received your comments dated March 20<sup>th</sup>, 2020 for the above referenced project. Our responses follow each comment. The comment responses have been organized by the review section they pertain to.

## **Engineering Review**

1. Sheet 1: Please include an Index of Sheets and revise the Project Title to Paragon Star Soccer Complex Field Storm Sewer.  
**GBA Response:** Index of Sheets has been included and the Project Title has been revised.
2. Sheet 4: Relocate Structure Number 1405A for clarity.  
**GBA Response:** Structure number label has been relocated.
3. Sheets 11-15:
  - a. The tops of many structures do not graphically match the proposed grade. Please revise.  
**GBA Response:** Structure inlet tops have been corrected and grades adjusted.
  - b. As previously requested, please revise so that the design HGL is within the pipe.  
**GBA Response:** Design HGL has been brought to within the pipe wherever possible.
4. Sheet 12: Label the missing Mass Grading grade line for Lines 1500, 1600, 1700, and 1800.  
**GBA Response:** Mass Grading grade labels have been added.
5. Sheet 14:
  - a. Label all grade lines.  
**GBA Response:** Grade Lines have been labeled.
  - b. Include compaction area hatching.  
**GBA Response:** Compaction area hatching has been added.
  - c. Revise Structure 1704 label in the Line 1704A Profile view.  
**GBA Response:** Structure 1704 label in Line 1704A Profile has been corrected.
  - d. Relocate overlapping stationing text in the Line 1405A Profile view for clarity.  
**GBA Response:** Overlapping Stationing text has been moved.
6. Line 15: Label all grade lines.  
**GBA Response:** Grade lines have been labeled.

## 7. General:

a. Clarify all drainage area boundaries, especially along the east edge of the project.

**GBA Response:** Added missing boundary for Structure 2201.

b. Clarify structures to be used on this project. Are Nyloplast Drainage Basins intended to be the same as Nyloplast Drainage Basin w/Solid Lid?

**GBA Response:** They are intended to be the same and have all been updated to the "Nyloplast Drainage Basin w/Solid Lid" label.

c. The Storm Sewer Calculations use differing structure types than the rest of the plans in several instances. Is this a function of the program used? If not, please reconcile.

**GBA Response:** Some of the structure titles in the Storm Sewer Calculation Table have been updated to more closely follow the plan structure titles. The titles on the calculation table are intended to be shortened versions of the plan titles to decrease clutter on the table.

d. Review the plans to ensure that all information matches between the calculations, Plan views, and Profile views. There are many instances of discrepancies. Please reconcile.

**GBA Response:** Plan, profile, drainage map, and calculation table have been compared for discrepancies and corrected.

We believe we have addressed all comments on this project. If you have any additional questions or concerns, please feel free to contact us.

Sincerely,

GEORGE BUTLER ASSOCIATES, INC.

Clint Loumaster, P.E.