

34. The proposed sewer force main entering private property (the Mansfield Fire Station) is not acceptable.

Spruhan Engineering: Point of connection has been changed to a proposed manhole on Plymouth Street.

Our office has reviewed the revised Site Plan for 500 School Street prepared by Spruhan Engineering, P.C. (undated); and Stormwater Management Report dated July 14, 2020.

The additional comments are as follows and should be addressed:

Plan Sheet 1 of 8:

36. Elevations are based on NAD 88 and NAD 83 not Town of Mansfield datum.

Spruhan Engineering: Spruhan Engineering: Surveyors Notes has been updated.

Plan Sheet 2 of 8:

37. *Handicap spaces are required.*

Spruhan Engineering: Proposed location of Handicap parking has been added to the plan.

38. *Sewer Lines on site must label size, type and slope.*

Spruhan Engineering: A note has been added to all Sewer lines showing the requested information.

39. *The plans are confusing; they mention both Chain Link and Wooden fencing.*

Spruhan Engineering: Wood Fence has been added again to the plans as per Police chief request, Property will have Chain Link fencing on the sides and rear and Wooden fencing along the front.

Plan Sheet 3 of 8:

40. *Number all catch basins for clarification.*

Spruhan Engineering: All catch basins has been numbered.

41. *System 1 emergency overflow doesn't appear to be connected to the pipe network.*

Spruhan Engineering: All Drainage lines has been revised to comply with comment #44, System 1 Emergency Overflow is now shown being connected to the pipe network.

42. *Pipe size must be designed for 25 yr storm.*

Spruhan Engineering: All pipes were designed for a 25 Yr Storm event as requested, please see attached calculations.

43. *Drain lines - label size, length, and slope.*

Spruhan Engineering: A note has been added to all drain lines showing the requested information.

44. *Catch basin to catch basin not allowed.*

Spruhan Engineering: All Drainage pipe network has been redesigned to avoid connections from catch basin to catch basin.

45. *The Drain Force main to a manhole /manifold must be provided to the system to prevent washout in the leaching facility.*

Spruhan Engineering: Drain manholes has been added between the connection from the Forced lines and Drainage system to prevent washout.

46. *The proposed drain lines appear to have angles between structures. This is not allowed.*

Spruhan Engineering: Proposed cleanouts has been added to the largest bends.

47. *The proposed tight tank location and drainage system appears to be in conflict of one another, verify and relocate as necessary.*

Spruhan Engineering: Tight tank has been relocated.

48. *There appears to be elevation deltas between the pump calculations and the details for the pump off and bottom of tank, verify.*

Spruhan Engineering: The typo on the pump calculations has been revised, please see attached calculations.

49. *Is the drainage system under the parking lot designed for H2O loading?*

Spruhan Engineering: Yes, according to manufacturer the proposed perforated pipes comply with H2O Loading requirements.

Plan Sheet 4 of 8:

50. *Revise the section detail for #1 and #2 Drainage System - DMH/manifold then to system to prevent washout.*

Spruhan Engineering: Details has been revised.

51. *Drainage System #1 and #2 - entire system shall be encased in filter fabric except bottom.*

Spruhan Engineering: Filter fabric has been added to top of the system to work in harmony with the impermeable barrier on the sides of the system.

Plan Sheet 5 of 8:

52. Downspout with overflow detail shows 6" BB versus the plan showing 12" PVC SDR 35
Spruhan Engineering: Detail has been revised.

Plan 8 of 8:

53. There appears to be approximate 5' cover over the access to pumps. This will make maintenance very difficult and recommend revising.

Spruhan Engineering: Elevation of pumping chamber has been revised to minimize cover.

54. Zoning table has not been provided

Spruhan Engineering: Zoning table has been added to Sheet #2.

I hope that this information is helpful to you. Please do not hesitate to call with any questions.

Respectfully submitted,

Edmond Spruhan

Edmond T. Spruhan