



The Corporation of the Town of LaSalle

Date	July 4, 2018	Report No:	PW-28-18
Directed To:	Mayor and Members of Council	Attachments:	~Figures 1-6
Department:	Public Works	Policy References:	
Prepared By:	Mark Beggs – Manager of Parks and Roads		
Subject:	Vollmer Sports Field Drainage		

RECOMMENDATION:

The following report is submitted for Council to be received for information.

That Council concur that additional investigation be carried out after soccer season in the fall of 2018.

REPORT:

Following the May 22, 2018 Council meeting, and a Council question regarding the Vollmer complex sports field drainage, the following report was prepared.

The overall maintenance of the Vollmer Complex outdoor sports facilities, including 30 soccer fields and 8 baseball diamonds falls within the Parks division of the Public Works Departments scope of work. The Town of LaSalle is committed to the preservation and maintenance of its sports fields for the benefit of user groups and the tax payers, and protecting such an important Town asset.

Over the past years, the Town has received numerous compliments regarding the conditions at the Vollmer Sports Complex. In 2016, the Vollmer Centre was named "Best Outdoor Sports Field" by Tourism Windsor Essex Pelee Island, up against Ford Test Track, Libro Centre, Malden Park and Mic Mac Park. We have received positive feedback from the organizers of a large soccer tournament this season regarding the quality of the Vollmer Centre facility. Also during a recent Council meeting, our user groups noted that "you cannot compare the City of Windsor fields to the Vollmer fields", noting that the Vollmer fields are in superior condition.

At the May 22, 2018 Council meeting, Council received the field closure procedures as prescribed in PW-18-18. Field closures often occur every spring during the wet weather season and the spring of 2018 has been notably wet. This year, the integrity and function of the drainage system

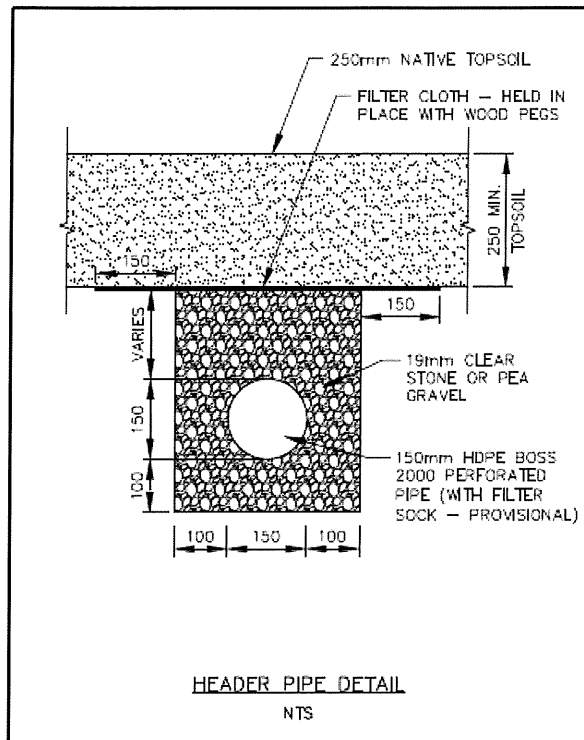
have been questioned, resulting in the Public Works Department to investigate and prepare this report on findings.

With respect to the drainage system that was originally installed, an inspection of the existing system at the Vollmer Complex, including investigating each catchbasin throughout the complex, video inspection of the header pipes, and excavating a section of the collector pipe system has been completed. The following is a summary of what has been found to date:

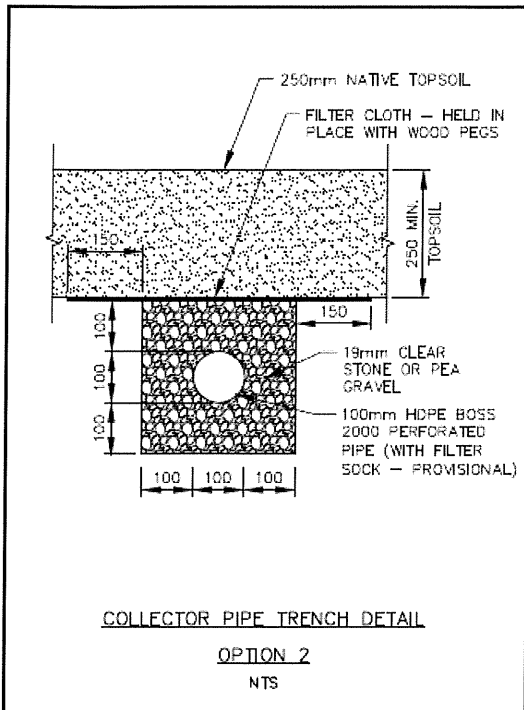
Investigation of the Soccer drainage system

(See attached Fig. 3 - As-Built plan of the soccer complex)

1. The header pipes are 150mm HDPE Boss 2000 as indicated on As-Built drawings



2. The header pipes leading to the outlets are intact and there is water running through the system and outletting correctly.
3. The catchbasins are intact and generally as shown on plans. In some cases, there are additional catchbasins in the complex.
4. The collector pipe system was spot excavated in one location between fields and it was confirmed there is:
 - a. A 100mm perforated pipe with filter sock, intact.
 - b. There appeared to be adequate clear stone, and filter cloth present at location of excavation as per As- Built drawings. At the location exposed, it appears that the clear stone and filter cloth have not been compromised.



5. The collector pipes appear to run on 45 degree angles as indicated in the as built plans
6. In the area excavated, there was evidence of approximately 300mm (1ft) of topsoil present. Thickness of topsoil may vary in different locations, however; topsoil was present in surface layer down to depth of drainage tile. The soil was not sampled at this time. The soil was dark brown/black topsoil, that was generally free of debris. Further soil sampling required for more soil information.
7. During investigation of the catchbasins, it was noted that in some cases the depth of the pipe was over 40 inches deep. Further investigation in the fall, when play is complete, may allow further excavation to investigate the depth of drainage on the actual field.
8. The fields are generally graded with a crown down the center line of the field with good surface drainage to low points between the fields and catch basins.
9. At this time, we have not completed the baseball investigation. We know there is some drainage in the infields, and the drainage was not installed in the outfield originally due to budget constraints.

Issues noted:

1. The 100mm perforated collector drainage was installed in the area of the “G” fields. (Fig. 1)
2. The 100mm perforated collector drainage was also not installed in the area of “W4”. The original plan was for a structure to be built in that location. It was later converted to a field. (Fig. 1)
3. There is not any drainage in any of the baseball outfields (Fig. 2)

Suggestions:

1. Complete investigations in the baseball fields where possible in fall after season is complete with possible test digs on fields(s)
2. Complete investigations in soccer fields in fall where possible after season is complete with excavation of a test area on the field(s)

In summary, there is still further investigation required after the season has ended to review a few more areas on the actual play surfaces. From the preliminary investigations and test hole we have done, it does appear that the existing system is still intact and likely functioning as designed. There is evidence that water is passing through the existing soil and into the drainage system. Further soil testing and additional excavation in the field areas will be completed in the fall of 2018. With the soils report recommendations there may be measures that are feasible to improve the existing soils.

Respectively submitted,



Mark Beggs

Manager of Roads and Parks



Reviewed by:							
CAO 	Treasury	Clerks	Env. Services 	Planning	Parks & Rec	Building	Fire

Fig. 1 Soccer - Areas currently without drainage

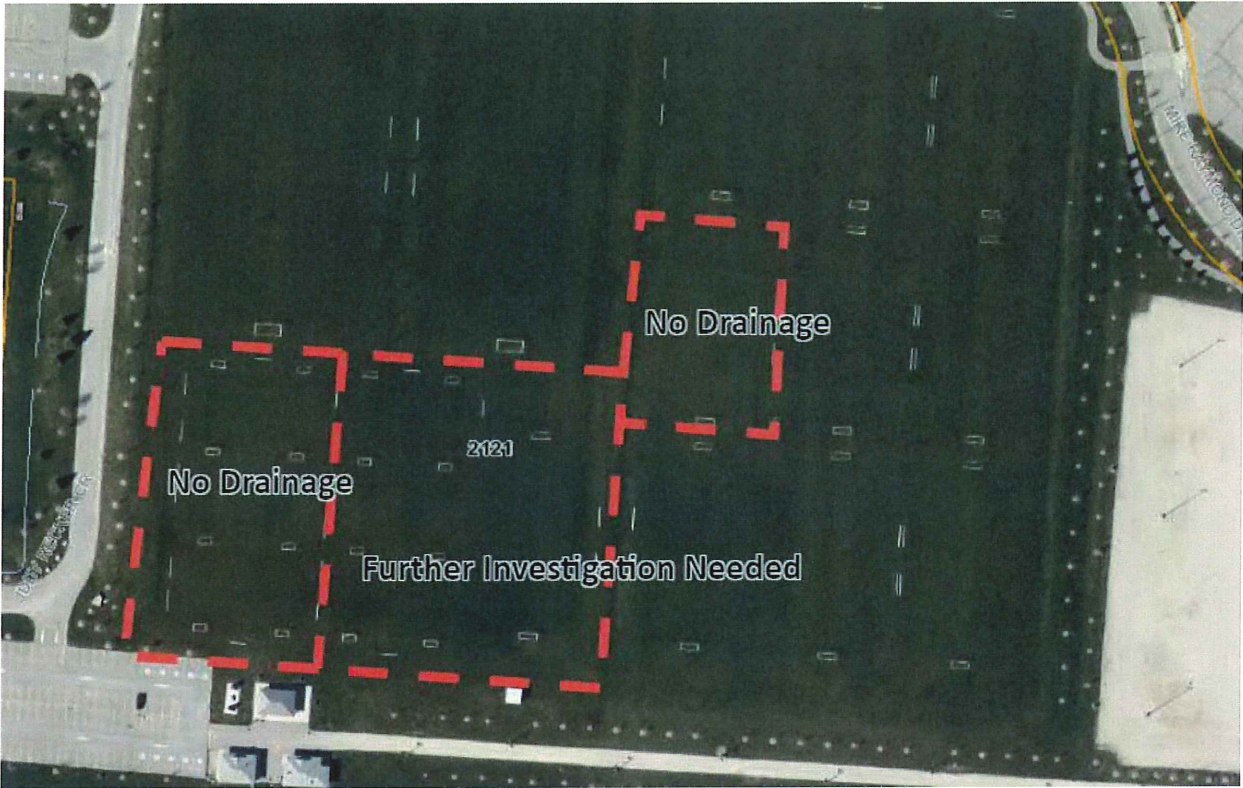


Fig. 2 Baseball – Areas currently without drainage



Fig. 3 As-Built Drawings - Soccer complex only

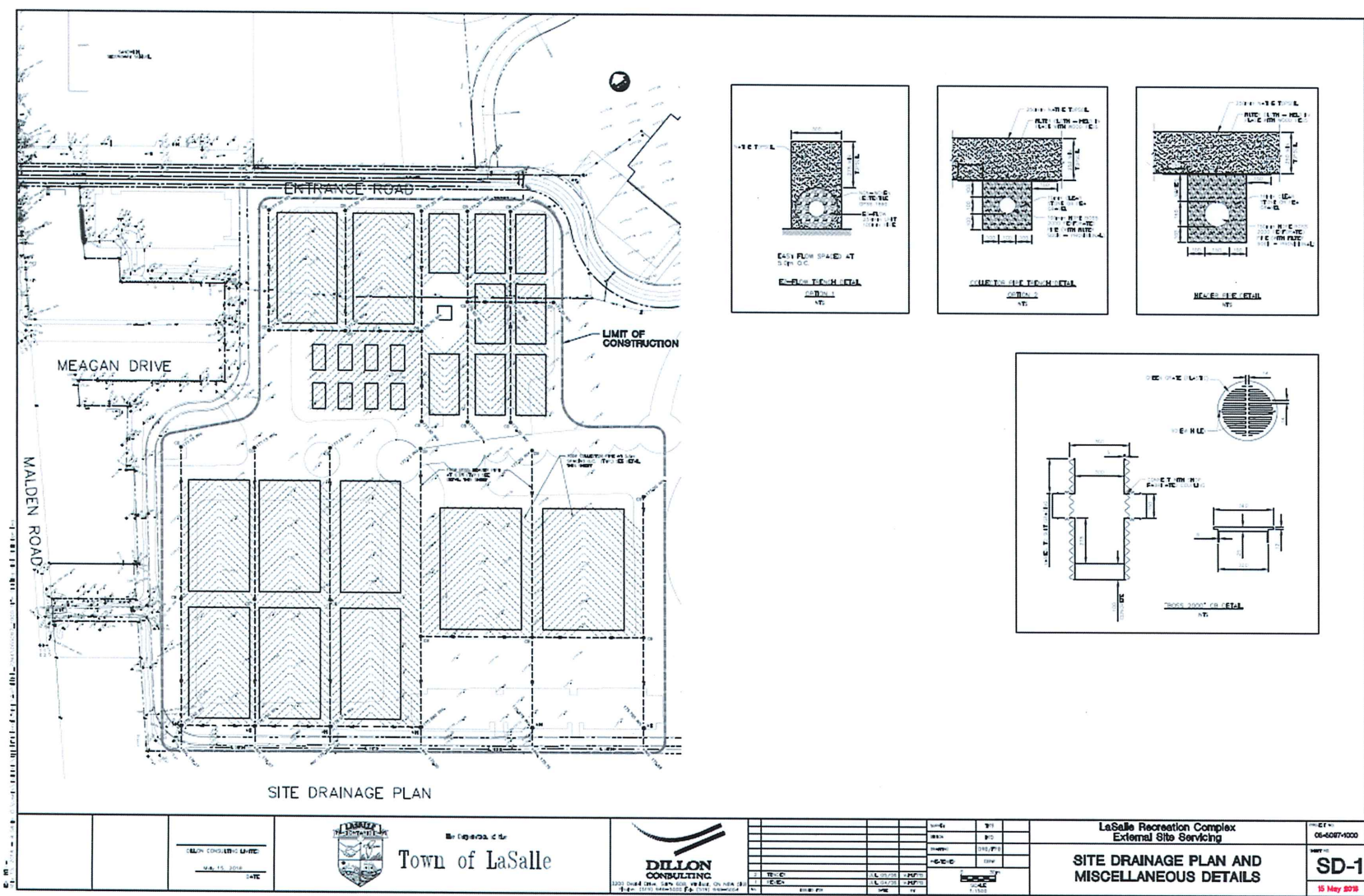


Fig. 5 Overall Soccer field layout

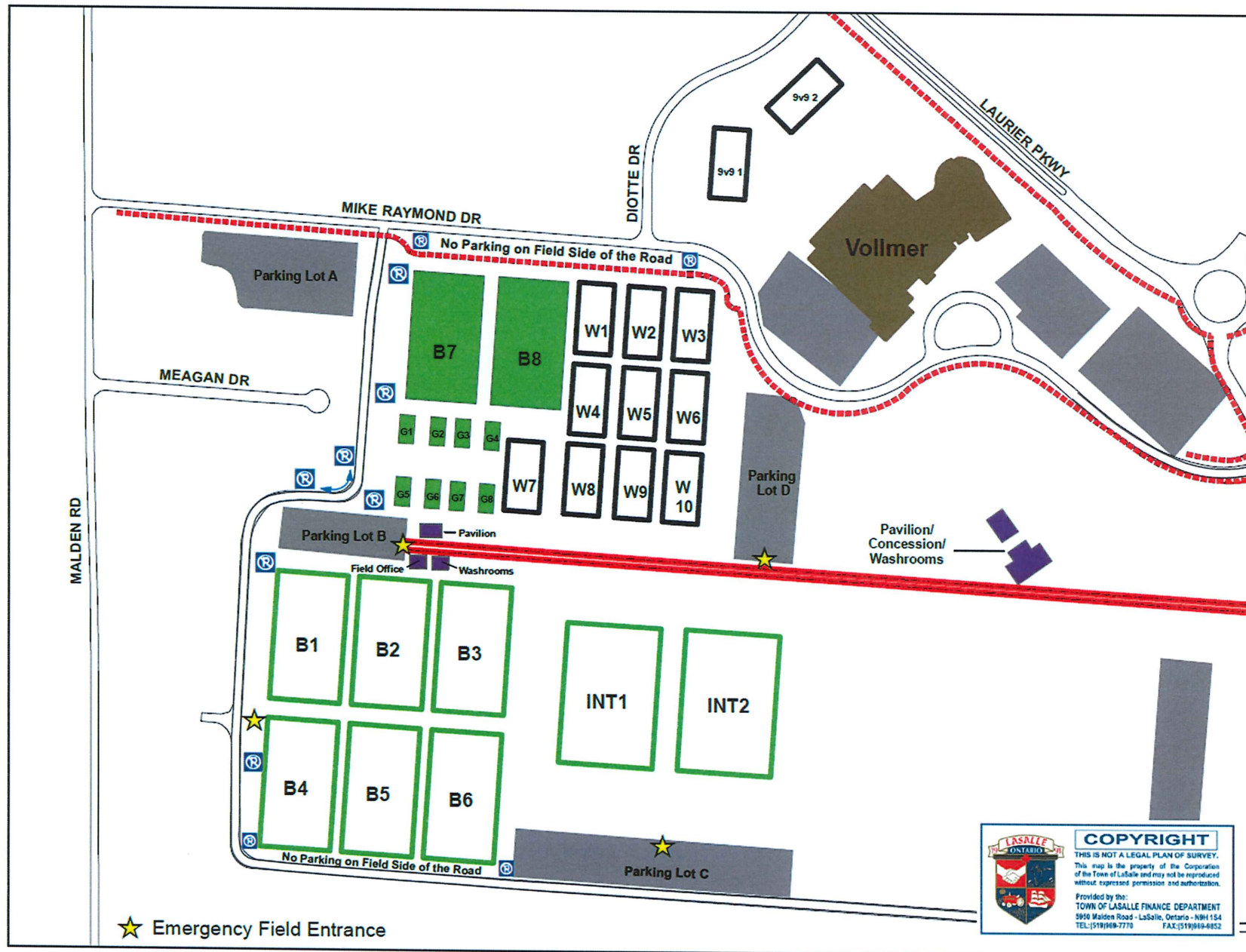


Fig. 6 Overall baseball layout

