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February 25, 2020

MEMORANDUM

To: Mega-Projects Construction Manager David Rister
From: CM/OVTI Project Engineer Thad Brunson 
Subject: Carolina Crossroads
Septic Systems Investigation – Tracts #379-387

In support of SCDOT's right-of-way acquisition strategy for Carolina Crossroads and as requested by SCDOT's Right-of-Way Manager Chris Johnston, CDM Smith has completed an investigation of the location and limits of private septic systems on Tracts #379-387. The purpose of the investigation is to determine the potential for impact to the systems due to construction activities and if impacted, what would be the extent of the impacts and the reasonable mitigation to restore septic service. CDM Smith contracted with Sharpe's Septic Tank and Well Drilling to perform site surveys to determine the approximate location of the septic tanks and drain fields in relation to the proposed R/W limits at each residence. Additionally, based on their survey, Sharpe's provided an opinion as to the likelihood of impacts as well as mitigation options should the systems be impacted by construction activities. The site surveys were conducted on February 10, 2020 and a report of Sharpe's findings and recommendations is attached.

Please do not hesitate to contact me if you have questions or need additional information.



INSPECTION REPORT

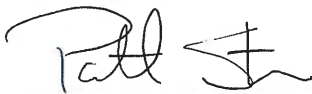
Date: February 10, 2020
File No: 234894
Project: Carolina Crossroads – Phase 1
Scope: Septic System Investigation – Tracts #379-387
Attendance: Marvin Sharpe, Sharpe's Septic Tank and Well Drilling
Patrick Stinson, CDM Smith

Issue: During the right-of-way (R/W) acquisition process for Carolina Crossroads – Phase 1, it was determined that multiple tracts along Latonea Drive were on private septic systems. It was further determined that the septic tanks and/or drain fields may be located within the “to be acquired” R/W and therefore may be impacted by the future construction activities.

Scope: At the request of SCDOT, CDM Smith was charged with investigating the location and limits of the private septic systems to determine the potential for impact to the systems and if impacted, what would be the extent of the impacts and the reasonable mitigation to restore septic service.

Investigation: CDM Smith contracted with Sharpe's Septic Tank and Well Drilling to perform a site survey of Tracts #379-387 to determine the approximate location of the septic tanks and drain fields in relation to the proposed R/W limits at each residence. On Monday, February 10, 2020, Marvin Sharpe of Sharpe's Septic Tank and Well Drilling performed the field investigation utilizing a probe rod to approximate the location of the tanks and drain fields. OVTI Engineer Patrick Stinson of CDM Smith accompanied Mr. Sharpe and documented the findings.

Findings: Attached is a CCR R/W Plan Sheet No. 56 indicating the approximate location of septic tanks and drain fields for Tracts #380-387. Tract #379 was determined to be tied to a municipal sewer system and not on a private septic system. Based on the proposed R/W limits, probe investigation results, Mr. Sharpe's observations of the properties, as well as his experience and knowledge of septic system installations, it is unlikely that there will be any impacts to the existing septic systems. Additionally, should any system be impacted, the extent of the impacts would be minimal and there is ample area available within the affected properties to modify, extend and restore the functionality of the existing systems at minimal cost and effort.

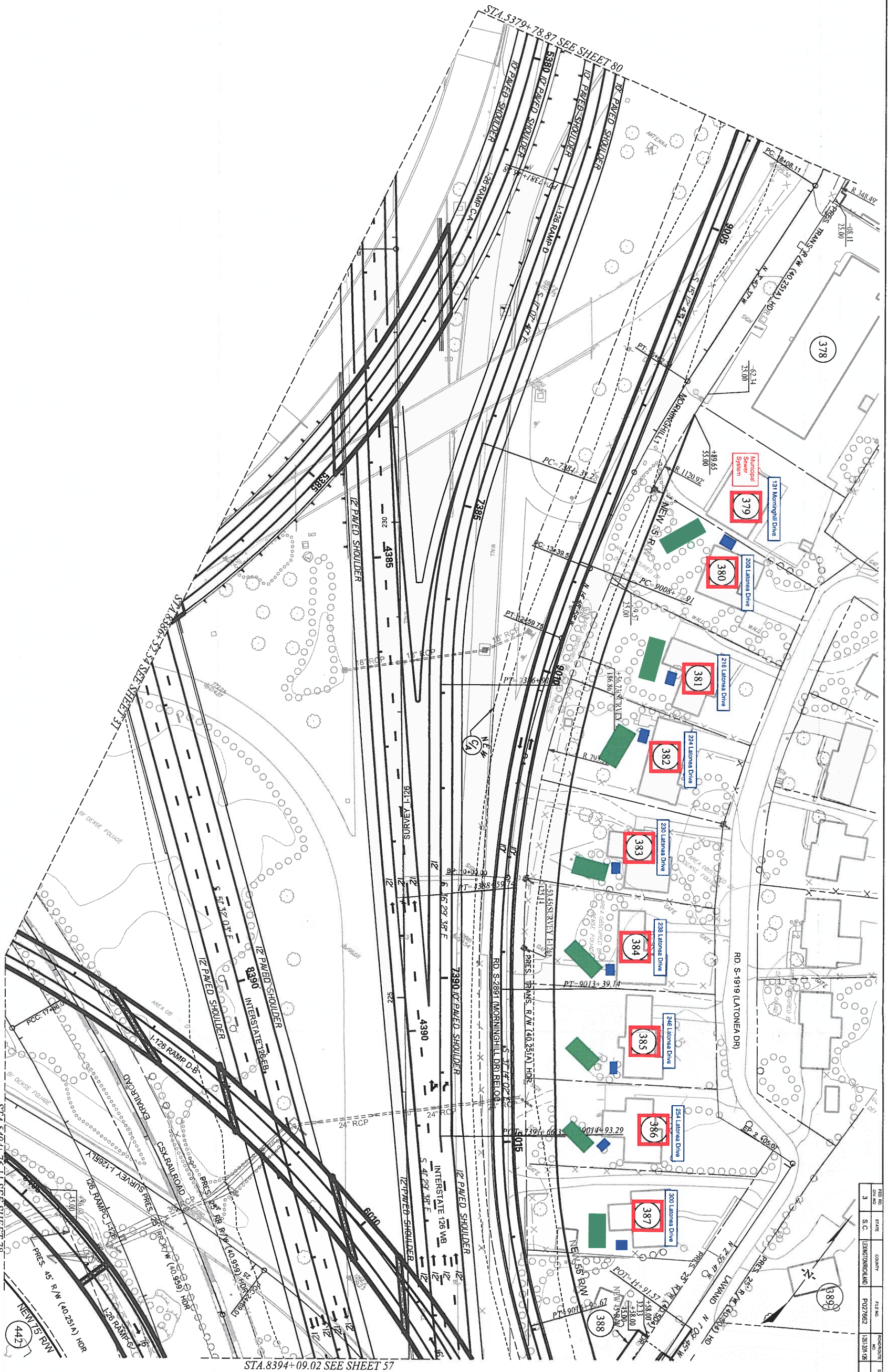


Patrick Stinson, PE – CDM Smith



Marvin Sharpe - Sharpe's Septic Tank and Well Drilling

FIG. NO.	STATE	COUNTY	FILE NO.	PROJECT
3	S.C.	LEXINGTON	P077602	13130118
NO.				56



TRACT(S)	ISSUED FOR	DATE	TRACT(S)	ISSUED FOR	DATE
442	ROW ACQUISITION	03-30-2019			
379-388	ROW ACQUISITION	11-01-2019			

PLANS PREPARED BY



PLANS PREPARED FOR



CAROLINA CROSSROADS

PLAN SHEET

