



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 27, 2019

MEMORANDUM TO: Tommy Register, PE
Consultant Project Manager
TGS Engineers

FROM: Dennis G Li, Ph.D., L.G.
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

TIP NO: B-5857/U-6146
WBS: 45810.1.1/48392.1.1
COUNTY: Gaston
DIVISION: 12
DESCRIPTION: Replace Bridge No. 82 on US 29 & US74 over South Fork
Catawba River in Gaston County

SUBJECT: **GeoEnvironmental Phase I Report**

Dennis Li
2/27/2019

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on February 21, 2019 (and August 24, 2016) for the above referenced project to identify geoenvironmental sites of concern. The purpose of this report is to document sites of concern within the project study area that are or may be contaminated. These sites of concern should be included in the environmental planning document in an effort to assist the project stakeholders in reducing or avoiding impacts to these sites. Sites of concern may include, but are not limited to, underground storage tank (UST) sites, dry cleaning facilities, hazardous waste sites, regulated landfills and unregulated dumpsites.

Findings

Six (6) sites of concern were identified within the proposed study area. We anticipate low monetary and scheduling impacts resulting from these sites. See the following table and figure for details.

Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernible during the project reconnaissance may occur. The GeoEnvironmental Section should be notified immediately after discovery of such sites so their potential impact(s) may be assessed.

Sites of concern identified in this report should be reviewed by the GeoEnvironmental Section once the Final Right of Way plans are complete to determine if Phase II Investigations and Right of Way Recommendations are necessary prior to right of way being acquired.

If there are questions regarding the geoenvironmental issues, please contact me, at (919) 707-6857.

cc:

cc:

John Pilipchuk, LG, PE, State Geotechnical Engineer

Stephen R. Morgan, PE, State Hydraulics Engineer

Brain Hanks, PE, State Structures Engineer

J. Dale Burton, PE, PLS, State Locations and Surveys Engineer

Carl Barclay, PE, State Utilities Manager

Larry Carpenter, Jr. PE, Division 12 Construction Engineer

David Angel, Division 12 Assistant Right of Way Agent

Eric Williams, PE Geotechnical Regional Manager

Kevin B Miller, LG, Regional Geological Engineer

Heather L. Fulghum, ROW Unit, Assistant State Negotiator

row-notify@ncdot.gov

roadwaydesign@ncdot.gov

hydraulics_notify@ncdot.gov

(01) Property Name:

McAdenville Motors
5347 Wilkinson Blvd
Gastonia, NC 28056

Property Owner:

KAY-AUS LLC
5347 Wilkinson Blvd
GASTONIA, NC 28056-0000

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: LOW

This is an auto sales/ repair business with multiple garages. Hydraulic lifts found on site, no USTs or monitoring wells could be located. No record in NCDEQ's database.

(02) Property Name:

KINGSWAY 22 (Former GASTON
MERCHANT OIL or OMNIMART #30)
245 MARKET ST
Gastonia, NC 28056

Property Owner:

BALAJI ENTERPRISES LLC
3562 FIELDSTONE DRIVE,
GASTONIA, NC 28056-7575

Facility ID: 00-0-0000015751

Incident Type/Number: 5475

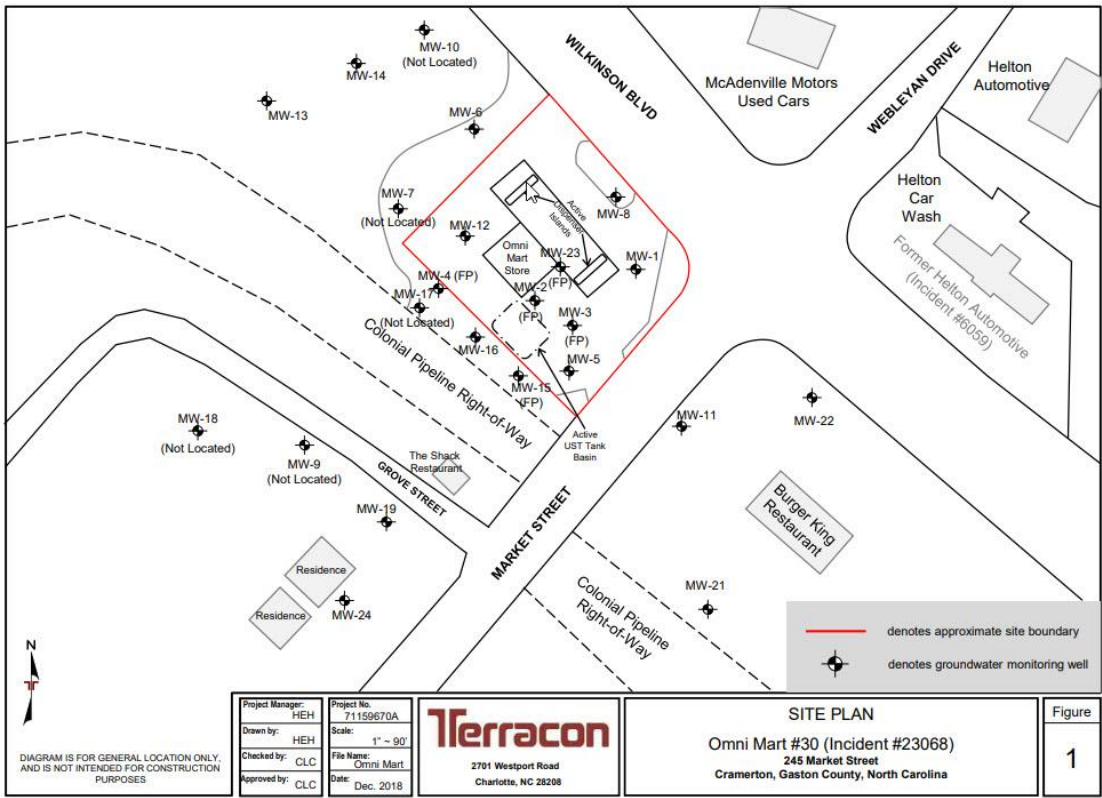
UST Owner:

BALAJI ENTERPRISES LLC
3562 FIELDSTONE DR,
GASTONIA, NC 28056-7575



Anticipated Impacts: LOW

This is a SHELL gas station; four USTs are permitted on site. Multiple monitoring wells observed on site and off the property (see next photo for well locations). Terracon completed a monitoring/free product recovery report in December 2018.



Monitoring wells location -12/2018

(03) Property Name:

Helton's Automotive & Wrecker
341 WESLEYAN DR
Gastonia, NC 28056

Property Owner:

HELTON CALVIN W & OTHERS
127 SANFORD RD,
GASTONIA, NC 28056-0000

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: LOW

This is an auto sales/ repair business with multiple garages. Hydraulic lifts found on site, no USTs or monitoring wells could be located on site. No record in NCDEQ's database.

(04) Property Name:

BLVD Select Preowned Automobiles (Former
HELTON'S AUTOMOTIVE/RANKIN
PETROMART)

5401 Wilkinson Boulevard

Gastonia, NC 28056

Property Owner:

ENTRUST CAROLINAS LLC

C/O DONNIE RIDDLE 862 ARMSTORNG
ROAD

BELMONT, NC 28012

UST Owner:

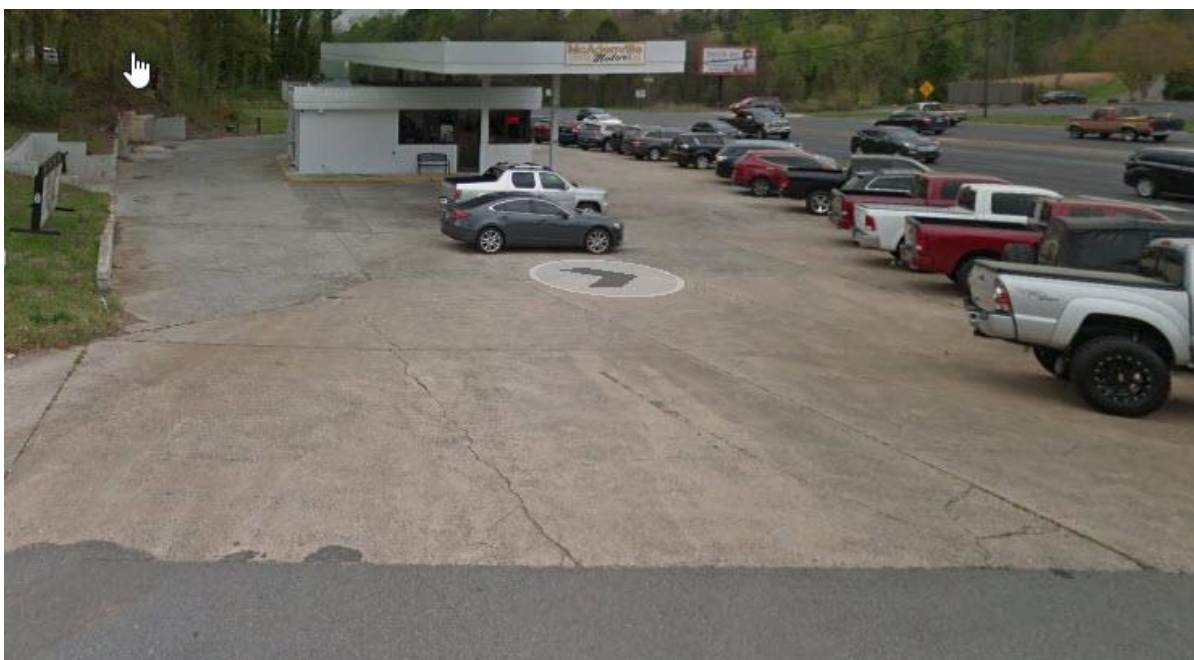
L.S. RANKIN AND SONS, INC

602 South York Street

Gastonia, 28056

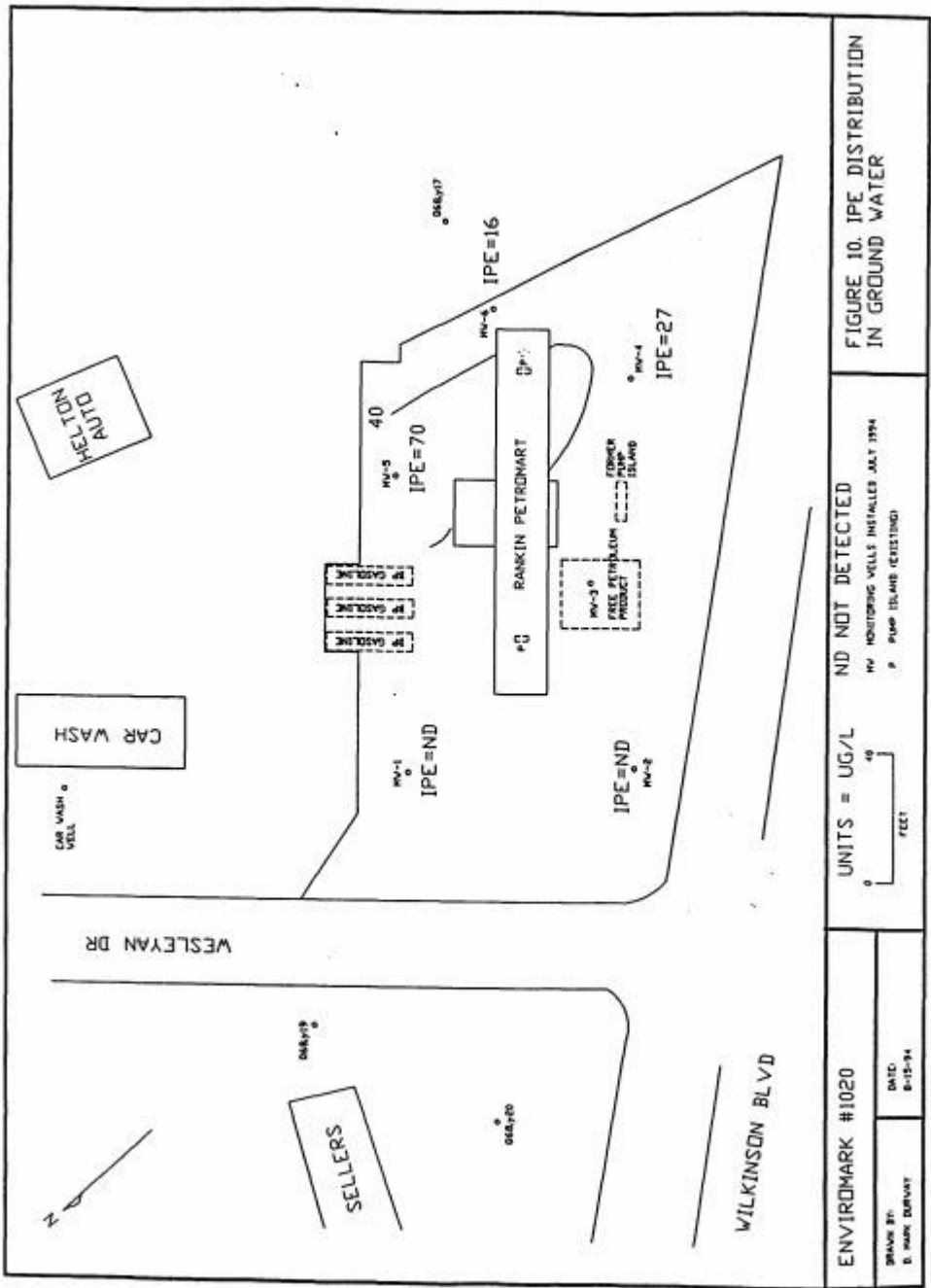
Facility ID: 0-016953

Incident Type/Number: 6059



Anticipated Impacts: LOW

This is a now a used auto sales business. It was the former gas station, auto wash and repair business in combination with a few adjoining parcels that later split and sold to different owners including Site 3. Four USTs were documented to be removed in 1994 and NCDEQ "state lead program" has taken over to remediate the site. Disturbed area and multiple monitoring wells observed on site. No USTs could be located during this visit.



Former USTs Locations and Monitoring Wells on and off the site

(05) Property Name:

Big Al's Trading Post
5511 Wilkinson Boulevard
McAdenville, NC 28101

Property Owner:

WILKINSON BLVD INVESTMENTS LLC
329 PARADISE CIR.
BELMONT, NC 28012-7705

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: LOW

This building features and location indicated that it appears to be a former gas station. Currently the business is the Big Al's Trading Post, a general store. There is no other evidence of USTs on this site. No monitoring wells could be located on site and no record found in NCDEQ's database.

(06) Property Name:

Freedom Tires
5521 Wilkinson Boulevard
McAdenville, NC 28101

Property Owner:

AUTEN RAYMOND L
10200 MOORES CHAPEL RD
CHARLOTTE, NC 28214-0000

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: LOW

This building features and location indicated that it appears to be a former gas station. It is currently vacant and was a former tire replacement business. There is no other evidence of USTs on this site. No monitoring wells can be located on site and no record found in NCDEQ's database.

