



Civil Engineering
Consulting Services, Inc.

Subsurface Utility Engineering Test Hole Data Form

PROJECT INFORMATION

NAME **Carolina Crossroads**
LOCATION **I-126 @ I-26**
CONTACT **Richard Culler** PHONE #
COMPANY **CDM Smith** PROJECT #
FILE #

TEST HOLE PRODUCTION INFORMATION

TEST HOLE ID **1** of **7**
TEST HOLE DATE **February 3, 2021**
FORM BY **RGH** CECS # **18-02402**
SUE CREW **RGH/ JT / RY**
SUR CREW **CDM Smith**

TEST HOLE CHARACTERISTICS

REQUESTED	CTV	ELEC	GAS	SS	FSS
	TEL	STM	SD	WAT	UNK
SIZE	AC	CI	RCP	PCCP	DI
30"	FO	PVC	PE/PLA	TC	DB
FOUND	CTV	ELEC	GAS	SS	FSS
	TEL	STM	SD	WAT	UNK
SIZE	AC	CI	RCP	PCCP	DI
30"	FO	PVC	PE/PLA	TC	DB
PIPE OD IN INCHES	31.18				
UTILITY IN TEST HOLE AGREES W/ REQUEST	YES NO				
IF NO, EXPLAIN					

SURVEY INFORMATION

BASELINE **N/A**
NORTHING **795823.58**
EASTING **1970879.75**
STATION **N/A**
OFFSET
MARKER CHIS-X MAG-NAIL **REBAR** RIGHT LEFT
INSTALLED OVER **CROWN** EDGE TOP
MARKER OFFSET
ELEVATION OF SURVEY PIN
178.86
TOP COVER (IN FEET) **5.84**
ELEVATION OF UTILITY TOP
173.02
BOT COVER (IN FEET) **2.60**
ELEVATION OF UTILITY BOTTOM
170.42

GENERAL CONDITIONS

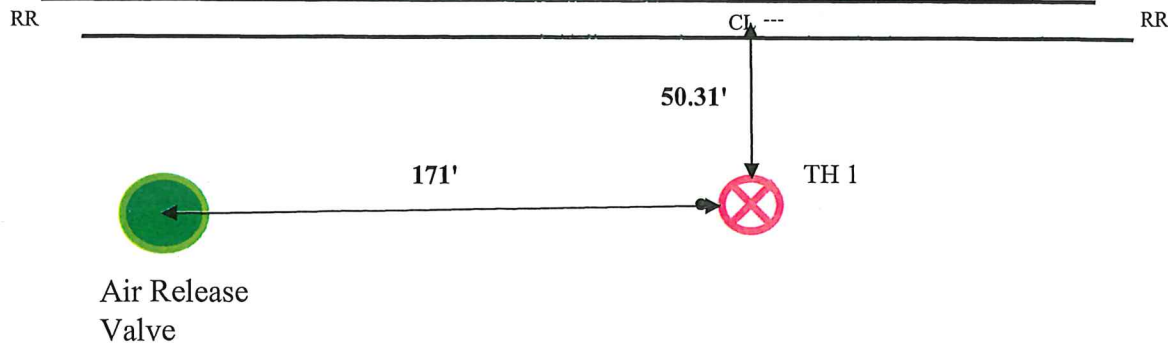
UTILITY GOOD **FAIR** POOR COLOR **CONCRETE**
PAVEMENT GOOD FAIR **N/A** THICKNESS
SOIL NORMAL **CLAY** **MOIST** DRY
SAND **CLAY** **ROCKY**

NOTES & COMMENTS

Assumed 30" DIP .59 wall

Top of pipe visually identified

SKETCH





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PROJECT INFORMATION

NAME **Carolina Crossroads**
LOCATION **I-126 @ I-26**
CONTACT **Richard Culler** PHONE #
COMPANY **CDM Smith** PROJECT #
FILE #

TEST HOLE PRODUCTION INFORMATION

TEST HOLE ID **2** of **7**
TEST HOLE DATE **February 4, 2021**
FORM BY **RGH** CECS # **18-02402**
SUE CREW **RGH/ JT / RY**
SUR CREW **CDM Smith**

TEST HOLE CHARACTERISTICS

REQUESTED CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB
FOUND CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB
PIPE OD IN INCHES **31.18**
UTILITY IN TEST HOLE AGREES W/ REQUEST **YES** NO
IF NO, EXPLAIN

SURVEY INFORMATION

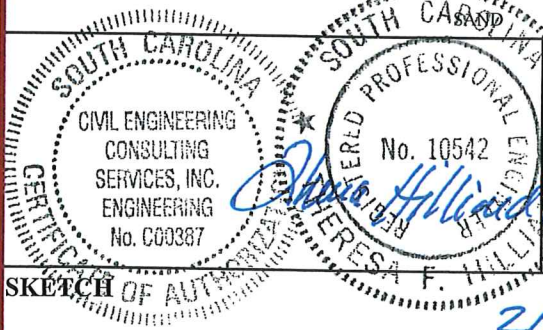
BASLINE **N/A**
NORTHING **795994.3**
EASTING **1970798.73**
STATION **N/A**
OFFSET
MARKER CHIS-X MAG-NAIL **REBAR** LEFT
INSTALLED OVER **CROWN** EDGE TOP
MARKER OFFSET
ELEVATION OF SURVEY PIN
181.85
TOP COVER (IN FEET) **4.65**
ELEVATION OF UTILITY TOP
177.20
BOT COVER (IN FEET) **2.60**
ELEVATION OF UTILITY BOTTOM
174.60

GENERAL CONDITIONS

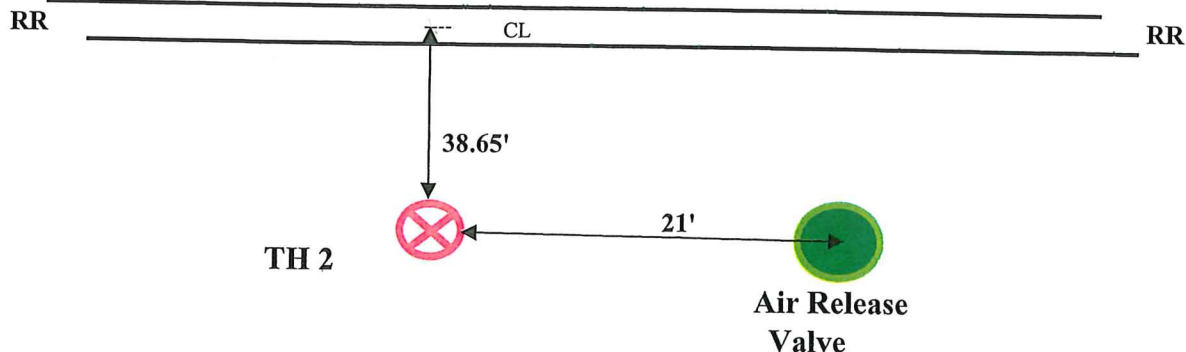
UTILITY GOOD **FAIR** POOR COLOR **CONCRETE**
PAVEMENT GOOD FAIR **N/A** THICKNESS
SOIL NORMAL HARD **WET** **MOIST** DRY
CLAY **ROCKY**

NOTES & COMMENTS

Assumed 30" DIP with .59 wall
Top of pipe visually identified



SKETCH OF AUTHORITY **2/12/2021**





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COMPANY **CDM Smith** PROJECT #
FILE #

TEST HOLE PRODUCTION INFORMATION

TEST HOLE ID **3** of **7**
TEST HOLE DATE **February 4, 2021**
FORM BY **RGH** CECS # **18-02402**
SUE CREW **RGH/ JT / RY**
SUR CREW **CDM Smith**

TEST HOLE CHARACTERISTICS

REQUESTED	CTV	ELEC	GAS	SS	FSS
SIZE	AC	CI	RCP	PCCP	DI
30"	FO	PVC	PE/PLA	TC	DB

FOUND	CTV	ELEC	GAS	SS	FSS
SIZE	AC	CI	RCP	PCCP	DI
30"	FO	PVC	PE/PLA	TC	DB

PIPE OD IN INCHES **31.18**
UTILITY IN TEST HOLE AGREES W/ REQUEST **YES** NO
IF NO, EXPLAIN

SURVEY INFORMATION

BASELINE **N/A**
NORTHING **796146.35**
EASTING **1970713.15**
STATION **N/A**
OFFSET
MARKER CHIS-X MAG-NAIL **REBAR** RIGHT LEFT
INSTALLED OVER **CROWN** EDGE TOP
MARKER OFFSET
ELEVATION OF SURVEY PIN

179.43
TOP COVER (IN FEET) **4.30**

ELEVATION OF UTILITY TOP

175.13
BOT COVER (IN FEET) **2.60**

ELEVATION OF UTILITY BOTTOM
172.53

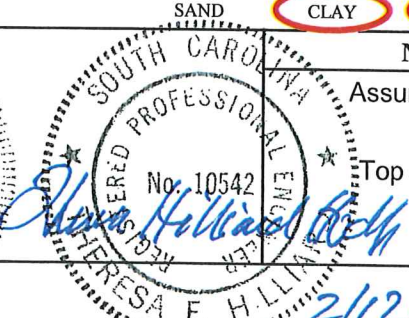
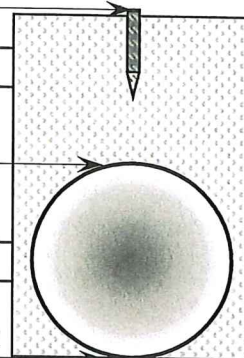
GENERAL CONDITIONS

UTILITY GOOD **FAIR** POOR COLOR **CONCRETE**
PAVEMENT GOOD FAIR **N/A** THICKNESS
SOIL NORMAL HARD **WET** **MOIST** DRY
SAND **CLAY** **ROCKY**

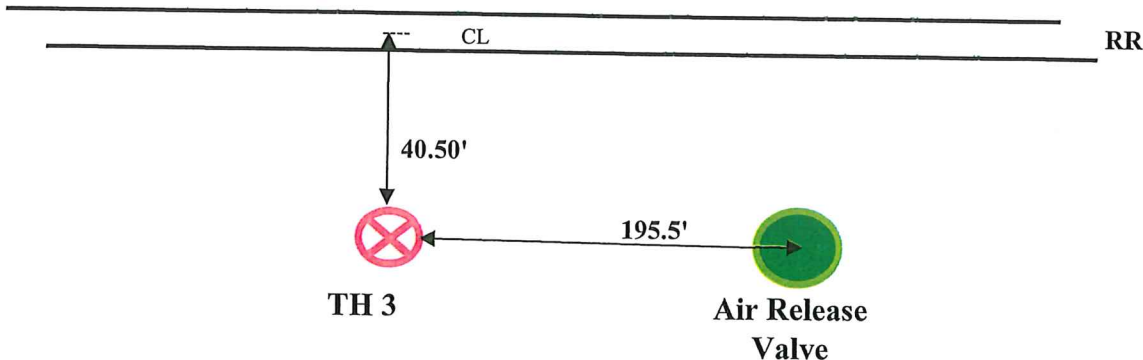
NOTES & COMMENTS

Assumed 30" DIP with .59 wall

Top of pipe visually identified



2/12/2021





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COMPANY **CDM Smith** PROJECT #
FILE #

TEST HOLE PRODUCTION INFORMATION

TEST HOLE ID **4 ALT** of **7**
TEST HOLE DATE **February 4, 2021**
FORM BY **RGH** CECS # **18-02402**
SUE CREW **RGH/ JT / RY**
SUR CREW **CDM Smith**

TEST HOLE CHARACTERISTICS

REQUESTED CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB
FOUND CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB
PIPE OD IN INCHES **31.18**
UTILITY IN TEST HOLE AGREES W/ REQUEST YES **NO**
IF NO, EXPLAIN *****See Notes and Comments*****

SURVEY INFORMATION

BASELINE **N/A**
NORTHING **797591.57**
EASTING **1969662.68**
STATION **N/A**
OFFSET
MARKER CHIS-X MAG-NAIL **REBAR** RIGHT LEFT
INSTALLED OVER **CROWN** EDGE TOP
MARKER OFFSET
ELEVATION OF SURVEY PIN

173.39
TOP COVER (IN FEET) **5.90**
ELEVATION OF UTILITY TOP

167.49
BOT COVER (IN FEET) **2.60**
ELEVATION OF UTILITY BOTTOM
164.89

GENERAL CONDITIONS

UTILITY GOOD FAIR POOR COLOR **NA**
PAVEMENT GOOD FAIR **N/A** THICKNESS
SOIL NORMAL HARD **WET** **MOIST** DRY
CLAY **ROCKY**

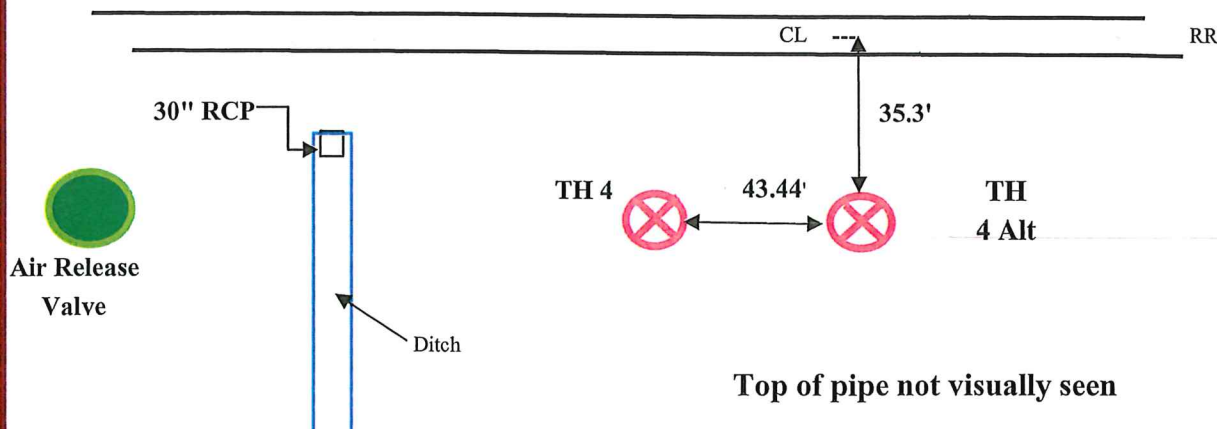
NOTES & COMMENTS

Alternate Test Hole location due to rescanning for verification of original SUE Designations. Alternate Test Hole depth and horizontal location determined by a combination of EM Scanning, GPR Data, and Probing for Pipe

SKETCH

Assumed 20" DTP with .59 wall

PROBED LOCATION ONLY





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COMPANY **CDM Smith** PROJECT #
FILE #

TEST HOLE PRODUCTION INFORMATION

TEST HOLE ID **5 ALT** of **7**
TEST HOLE DATE **February 4, 2021**
FORM BY **RGH** CECS # **18-02402**
SUE CREW **RGH/ JT / RY**
SUR CREW **CDM Smith**

TEST HOLE CHARACTERISTICS

REQUESTED CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB

FOUND CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB

PIPE OD IN INCHES **31.18**
UTILITY IN TEST HOLE AGREES W/ REQUEST YES **NO**
IF NO, EXPLAIN ***See Notes and Comments***

GENERAL CONDITIONS

UTILITY GOOD FAIR POOR COLOR **NA**
PAVEMENT GOOD FAIR **N/A** THICKNESS
SOIL NORMAL HARD **WET** **MOIST** DRY
SAND **CLAY** **ROCKY**

SURVEY INFORMATION

BASELINE **N/A**
NORTHING **797707.04**
EASTING **1969483.99**
STATION **N/A**
OFFSET
MARKER CHIS-X MAG-NAIL **REBAR** STL-PIN
INSTALLED OVER **CROWN** EDGE TOP
MARKER OFFSET
ELEVATION OF SURVEY PIN

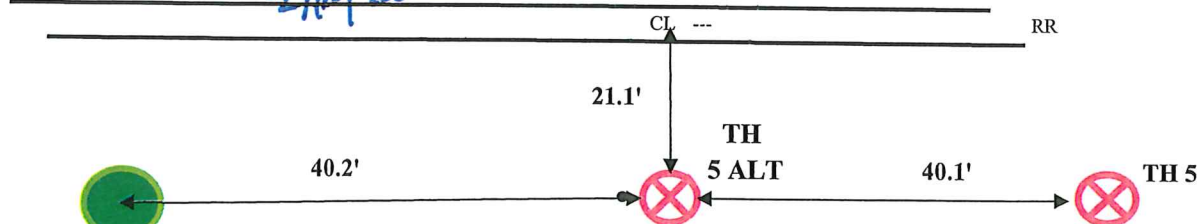
177.19
TOP COVER (IN FEET) **4.88**
ELEVATION OF UTILITY TOP
172.31
BOT COVER (IN FEET) **2.60**
ELEVATION OF UTILITY BOTTOM
169.71

NOTES & COMMENTS

Alternate Test Hole location due to rescanning for verification of original SUE Designations. Alternate Test Hole depth and horizontal location determined by a combination of EM Scanning, GPR Data, and Probing for Pipe

Assumed 30" DIP with .59 wall

PROBED LOCATION ONLY



Air Release
Valve

Top of pipe not visually seen



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TEST HOLE PRODUCTION INFORMATION

TEST HOLE ID **6** of **7**
TEST HOLE DATE **February 3, 2021**
FORM BY **RGH** CECS # **18-02402**
SUE CREW **RGH/ JT / RY**
SUR CREW **CDM Smith**

TEST HOLE CHARACTERISTICS

REQUESTED CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB
FOUND CTV ELEC GAS SS **FSS**
TEL STM SD WAT UNK
SIZE AC CI RCP **PCCP** DI
30" FO PVC PE/PLA TC DB
PIPE OD IN INCHES **31.18**
UTILITY IN TEST HOLE AGREES W/ REQUEST **YES** NO
IF NO, EXPLAIN

SURVEY INFORMATION

BASELINE **N/A**
NORTHING **797728.3**
EASTING **1969429.7**
STATION **N/A**
OFFSET
MARKER CHIS-X MAG-NAIL **REBAR** RIGHT LEFT
INSTALLED OVER **CROWN** EDGE TOP
MARKER OFFSET
ELEVATION OF SURVEY PIN

176.92
TOP COVER (IN FEET) **4.60**

ELEVATION OF UTILITY TOP

172.32
BOT COVER (IN FEET) **2.60**

ELEVATION OF UTILITY BOTTOM

169.72

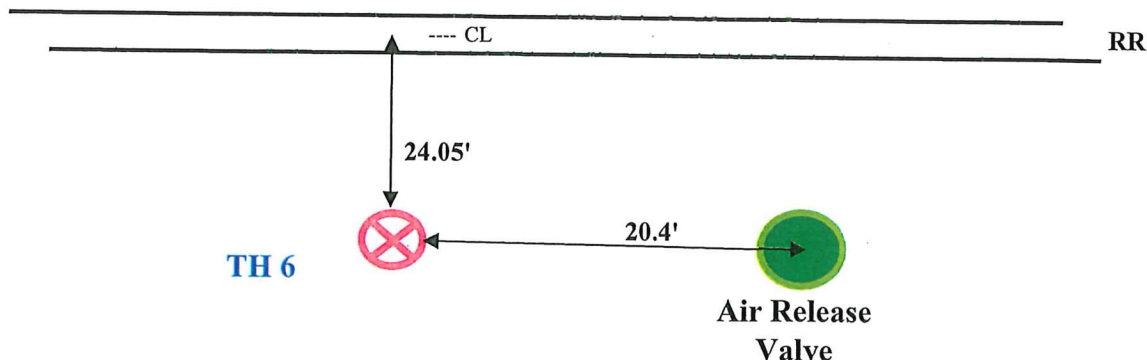
GENERAL CONDITIONS

UTILITY GOOD **FAIR** POOR COLOR **CONCRETE**
PAVEMENT GOOD FAIR **N/A** THICKNESS
SOIL NORMAL HARD **WET** **MOIST** DRY
SAND **CLAY** **ROCKY**

NOTES & COMMENTS

Assumed 30" DIP with .59 wall
Top of pipe visually identified

SKETCH





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COMPANY **CDM Smith** PROJECT #
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TEST HOLE PRODUCTION INFORMATION

TEST HOLE ID **7** of **7**
TEST HOLE DATE **February 3, 2021**
FORM BY **RGH** CECS # **18-02402**
SUE CREW **RGH/ JT / RY**
SUR CREW **CDM Smith**

TEST HOLE CHARACTERISTICS

REQUESTED	CTV	ELEC	GAS	SS	FSS
SIZE	AC	CI	RCP	WAT	UNK
30"	FO	PVC	PE/PLA	TC	DB

FOUND	CTV	ELEC	GAS	SS	FSS
SIZE	AC	CI	RCP	WAT	UNK
30"	FO	PVC	PE/PLA	TC	DB

PIPE OD IN INCHES **31.18**

UTILITY IN TEST HOLE AGREES W/ REQUEST **YES** NO

IF NO, EXPLAIN

SURVEY INFORMATION

BASELINE **N/A**
NORTHING **797763.55**
EASTING **1969317.54**
STATION **N/A**
OFFSET
MARKER CHIS-X MAG-NAIL **REBAR** LEFT
INSTALLED OVER **CROWN** EDGE TOP
MARKER OFFSET
ELEVATION OF SURVEY PIN

175.04
TOP COVER (IN FEET) **3.59**
ELEVATION OF UTILITY TOP
171.45
BOT COVER (IN FEET) **2.60**
ELEVATION OF UTILITY BOTTOM
168.85

GENERAL CONDITIONS

UTILITY GOOD **FAIR** POOR COLOR **CONCRETE**
PAVEMENT GOOD FAIR **N/A** THICKNESS
SOIL NORMAL HARD WET **MOIST** DRY
CLAY **ROCKY**

NOTES & COMMENTS

Top of pipe visually identified
Assumed 30" DIP with .59 wall

