SUBSURFACE UTILITY ENGINEERING QUALITY LEVEL - A: Test Hole Data Information

SAM, Inc. Project Number: 31151-31

Utility Location:

Leon Creek Wastewater Plant

San Antonio, Texas

Fiber Optic line

Project Location:

Field Conditions: Field Crew: Address: Contact/Phone Utility Owner: Record Utility: Utility Sta./Offset

Off roadway

Gabe Johnson and Miller Pipeline

TEST HOLE NUMBER:

Client: July 8, 2011 CP & Y, Inc.

Project: Leon Creek Interceptor

Surface Material: Surface Elevation: Thickness & Condition: Natural ground 520.50 Dry

Black clay Black clay 1/2" direct bury Fiber Optic line

SAM, Inc. located Test Hole # 1 by records and utility locator for the fiber optic line

All excavation was performed with

Test Hole # 1 excavation.

The Test Hole was backfilled with

air/vacuum excavation equipment

excavated material.

No additional utilities were found within

prior to air/vacuum excavation of the utility

COMMENTS

Good

Utility Bedding Material: Utility Found: Trench Material:

Utility Depth (Top):

Utility Condition:

N= 13653027.7963 Elev = 540.69E= 2120693.4107

IRRC

Pt # 7

UTILITY
COORDINATES
N = 13648232.99
E = 2126950.82
Elev = 517.2

Pt #5 CONTROL

PROJECT

Ö

The picture depicts the existing fiber optic

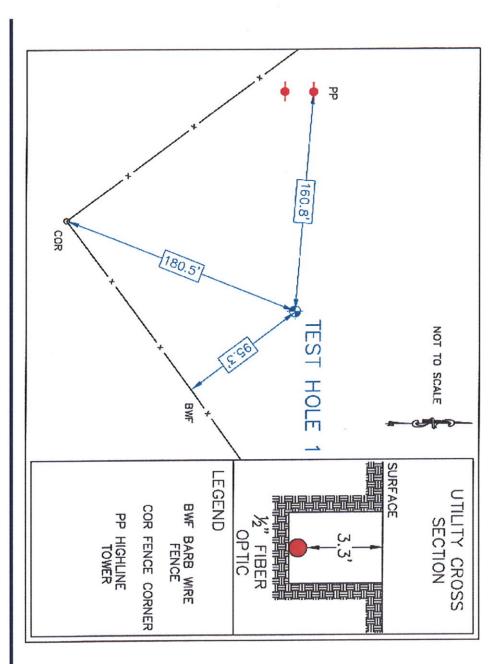
TEST HOLE PICTURE

Elev = 528.93N= 13650292.3812 E= 2123526.9099





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QUALITY LEVEL – A: Test Hole Data Information SUBSURFACE UTILITY ENGINEERING

SAM, Inc. Project Number: 31151-31

Utility Sta./Offset

Utility Location:

Record Utility:

Fiber Optic line

Project Location:

San Antonio, Texas

Leon Creek Wastewater Plant

Project:	Client:	Date:
Leon Creek Inte	CP&Y, Inc.	July 1, 2011

Surface Material: Natural ground

COMMENTS

1. SAM, Inc. located Test Hole # 2 by

Surface Elevation:	527.68
Thickness & Condition:	Dry
Trench Material:	Rocky black clay
Utility Bedding Material:	Rocky black clay
Utility Found:	1/2" direct bury fiber optic line
11111	

Utility Condition: Good

2.6

Utility Depth (Top):

Field Crew: Address: Contact/Phone: Utility Owner:

Field Conditions:

Off roadway

Gabe Johnson and Miller Pipeline

11/10 7 2011

TEST HOLE NUMBER:

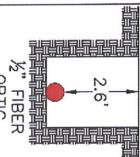
N

erceptor

UTILITY CROSS SECTION

NOT TO SCALE

SURFACE



TEST HOLE 3

OPTIC

LEGEND

PP

2 MHWW

BWF 5.7

25.0

BWF BARB WIRE FENCE

MHWW LIFT STATION

PP HIGHLINE

PROJECT CONTROL

5 4

excavated material.

The picture depicts the existing fiber optic

3. All excavation was performed with

Test Hole # 2 excavation.

No additional utilities were found within

of the utility.

optic line prior to air/vacuum excavation records and utility locator for the fiber

air/vacuum excavation equipment.
The Test Hole was backfilled with

Pt # 5 E= 2120693.4107 IRRC N= 13653027.7963

Elev = 528.93N= 13650292.3812 E= 2123526.9099

Pt#7 IRRC

COORDINATES ALILIA NILIA

N = 13649850.42 E = 2124626.72 Elev = 525.1

Elev = 540.69





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REGISTRATION # F-1937 ENGINEERS COMPANY

QUALITY LEVEL - A: Test Hole Data Information SUBSURFACE UTILITY ENGINEERING

SAM, Inc. Project Number: 31151-31

Danie	Client:	Date:
I can Crook I.	CP&Y, Inc.	July 7, 2011

TEST HOLE NUMBER:

w

Surface Material: Project: Leon Creek Interceptor

COMMENTS

SAM, Inc. located Test Hole # 3 by

Utility Found: Utility Bedding Material Surface Elevation: Trench Material: Thickness & Condition: Rocky black clay Rocky black clay 527.89

16" poly pipe with tracer wire

Good

Natural ground

Utility Condition:

Utility Depth (Top)

Field Conditions:

Off roadway

Gabe Johnson and Miller Pipeline

2800 US Hwy 281 N., San Antonio, TX 78212

Jose Carreno 210-233-3466

Field Crew:

Record Utility: Utility Sta./Offset

16" Water line

Contact/Phone: Utility Owner: Project Location:

Utility Location:

Leon Creek Wastewater Plant

San Antonio, Texas

ω

All excavation was performed with

Test Hole # 3 excavation.

The Test Hole was backfilled with

air/vacuum excavation equipment

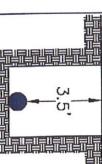
excavated material.

No additional utilities were found within

line prior to air/vacuum excavation of the

records and utility locator for the water

UTILITY CROSS SECTION



TEST HOLE 3

TEST HOLE 2

PP#841587

BWF

12.1

PP#840582

7.99

NOT TO SCALE

SURFACE

16" WATER

LEGEND

BWF BARB WIRE FENCE

PP POWER POLE

Pt #5 CONTROL PROJECT

5

The picture depicts the existing water line

IRRC

E= 2120693.4107 Elev = 540.69N= 13653027.7963

N= 13650292.3812 E= 2123526.9099 Elev = 528.93

Pt # 7

IRRC

COORDINATES UTILITY

N = 13649911.47 E = 2124639.21

Elev = 524.4

TEST HOLE PICTURE







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QUALITY LEVEL – A: Test Hole Data Information SUBSURFACE UTILITY ENGINEERING

SAM, Inc. Project Number: 31151-31

Utility Owner:

Record Utility:

16" Water line

Contact/Phone:

Jose Carreno 210-233-3466

Field Crew:

Field Conditions:

Off roadway

Gabe Johnson and Miller Pipeline

2800 US Hwy 281 N., San Antonio, TX 78212

Utility Sta./Offset

Utility Location: Project Location:

Leon Creek Wastewater Plant

San Antonio, Texas

Drainat:	Client:	Date:
I can Crook into	CP&Y, Inc.	July /, 2011

TEST HOLE NUMBER:

4

Project: Leon Creek Interceptor

Surface Material: Trench Material: Thickness & Condition: Surface Elevation: 534.01 Natural ground

COMMENTS

SAM, Inc. located Test Hole # 4 by utility

Rocky black clay Rocky black clay

Utility Bedding Material: 16" poly pipe without tracer wire Good

Utility Found:

Utility Depth (Top): Utility Condition:

ω

All excavation was performed with

Test Hole # 4 excavation.

air/vacuum excavation equipment. The Test Hole was backfilled with

No additional utilities were found within

air/vacuum excavation of the utility. records for the water line prior to

E= 2120693.4107

NOT TO SCALE

IRRC Pt # 7

UTILITY

Pt #5 CONTROL PROJECT

5

The picture depicts the existing water line

excavated material.

UTILITY CROSS

Elev = 540.69N= 13653027.7963

Elev = 528.93N= 13650292.3812 E= 2123526.9099

COORDINATES

TEST HOLE PICTURE





POST GATE

COR CORNER

BWF BARB WIRE FENCE

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SURFACE LEGEND 16, SECTION WATER

N = 13650289.78 E = 2124643.20 Elev = 530.1

2.4

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SUBSURFACE UTILITY ENGINEERING QUALITY LEVEL – A: Test Hole Data Information

SAM, Inc. Project Number: 31151-31

Project Location:

Utility Location:

Leon Creek Wastewater Plant

San Antonio, Texas

Project:	Client:	Date:
Leon Creek Intercep	CP&Y, Inc.	July 8, 2011

TEST HOLE NUMBER:

5

Surface Elevation: Surface Material: 527.19 Natural ground otor

Utility Bedding Material Trench Material: Thickness & Condition: Black clay Black clay

1. SAM, Inc. located Test Hole # 5 by

COMMENTS

24" concrete conduit

Good

Utility Condition:

Utility Found:

Utility Depth (Top):

Field Conditions:

Off roadway

Gabe Johnson and Miller Pipeline 145 Navarro St., San Antonio, TX 78296

Field Crew:

Contact/Phone: Utility Owner: Record Utility: Utility Sta./Offset:

CPS Energy

Electric Conduit

Ricardo Rodriguez 210-353-2226

UTILITY CROSS SECTION

Pt#5 IRRC

CONTROL PROJECT

The picture depicts the existing conduit.

4 ω 2

The Test Hole was backfilled with

air/vacuum excavation equipment

excavated material.

All excavation was performed with

Test Hole # 5 excavation.

No additional utilities were found within

line prior to air/vacuum excavation of the

records and utility locator for the electric

utility.

NOT TO SCALE

IRRC Elev = 528.93N= 13650292.3812 E= 2123526.9099

Pt # 7

UTILITY

N = 13652185.58 E = 2121778.51 Elev = 524.7 COORDINATES

ELECTRIC

TEST HOLE PICTURE

E= 2120693.4107

N= 13653027.7963

Elev = 540.69





SECURITY FENCE

HANDHOLE

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