

CUY-90-14.90

PID 77332/85531

APPENDIX UT-01

SUE Level A – Report and Mapping (Contract Document)

State of Ohio
Department of Transportation
Jolene M. Molitoris, Director

Innerbelt Bridge
Construction Contract Group 1 (CCG1)

Revision Date: March 15, 2010



The Subsurface Utility **Engineering Company** 449 Munroe Falls Road Tallmadge, OH 44278 (330) 794-4455

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work ASP. LOT IN POOR CONDITION

Gen. Loc. REAR LOT BLDG. #206 CENTRAL VIADUCT
Recorded Size/Material/Type TOP SW EDGE PRECAST CONC. ELEC. TUNNEL
Foreman/Truck#/Form By J. CLINE / 219 / R. MOONEY

B.M 1 Elev = 627.90' IS CALCULATED

Description: (3) NAILS SET IN BASE OF U.P. IN REAR LOT OF **BLDG. #206 CENTRAL VIADUCT**

B.M. 2 Elev. = 627.74' IS CALCULATED

Description CHIS "[]" SET IN SE CORNER OF CONC. FRAME OF ELEC. MH. IN THE REAR LOT OF BLDG. #206 CENTRAL

Benchmarks check BY 0.01' Elevations are referenced to B.M.#2 **VIADUCT**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

So-Deep, Corporate Office

Manassas Park, VA 20111

EJQC156

GRADE CHANGE

AUGUST 31, 2009

1"=20"

181

8397 Euclid Avenue

(703)361-6005

Test Hole #

Plan Scale

Control #

Sheet #

Date

Proposed

Recorded Size/Type of utility WAS FOUND

City, County, State CITY OF CLEVELAND, OH

There WERE NOT additional utilities in the test hole

The utility WAS

in good condition.

Paving Thickness and type 1" ASP.

Color of ribbon installed RED

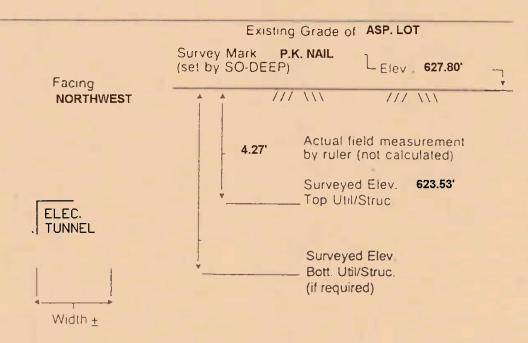
Soil Type STONE

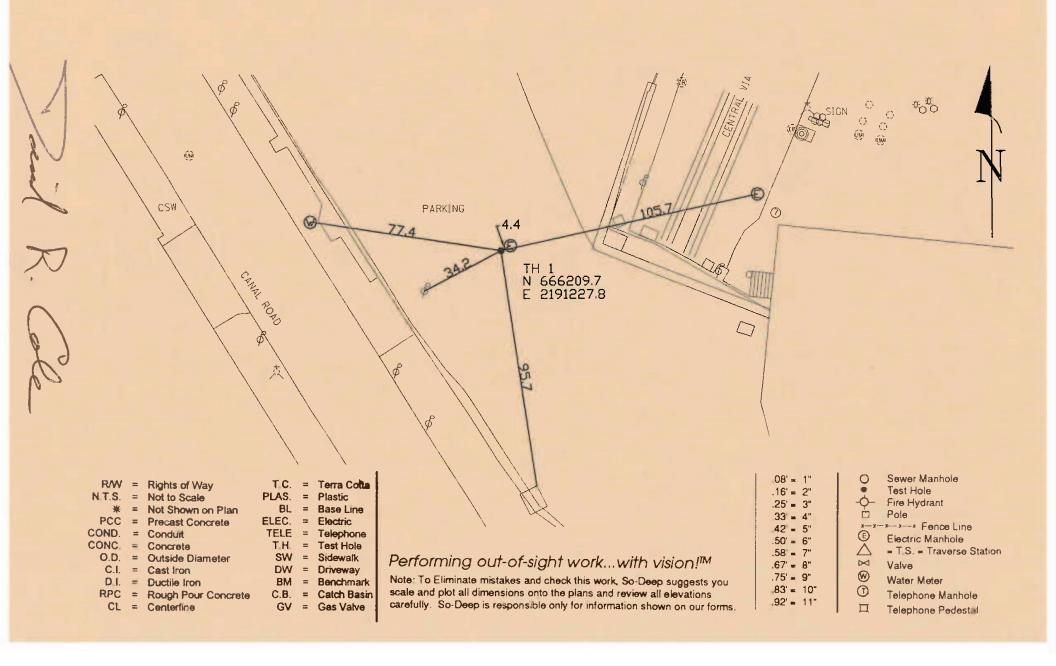
Field Condition ASP. PARKING LOT

T.H. tied to P.K. NAIL

TOP SW EDGE PRECAST CONC. ELEC TUNNEL. Size/Material/Type Portion of pipe exposed for O.D. measurement.

N/A







The Subsurface Utility **Engineering Company** 449 Munroe Falls Road

Tallmadge, OH 44278 (330) 794-4455

So-Deep Test Hole **Certification Form**

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1988, 1991

Condition of paving prior to work

ASP. LOT IN POOR CONDITION

City, County, State CITY OF CLEVELAND, OH Gen. Loc. REAR LOT BLDG. #206 CENTRAL VIADUCT Recorded Size/Material/Type TOP NE EDGE PRECAST CONC. ELEC. TUNNEL Foreman/Truck#/Form By J. CLINE / 219 / R. MOONEY

B.M. 1 Elev = 627.90' IS CALCULATED

BM 2 Elev = 627.74'

IS CALCULATED

Remarks: NONE

Description: (3) NAILS SET IN BASE OF U.P. IN REAR LOT OF

BLDG. #206 CENTRAL VIADUCT

Benchmarks check BY 0.01' Elevations are referenced to B.M.#2

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts

1"=20"

GRADE CHANGE

AUGUST 31, 2009

181

So-Deep, Corporate Office

Manassas Park, VA 20111 (703)361-6005 EJQC156

8397 Euclid Avenue

Control #

Sheet #

Date

Proposed

Test Hole #

Plan Scale

Description CHIS "[]" SET IN SE CORNER OF CONC. FRAME OF ELEC. MH. IN THE REAR LOT OF BLDG. #206 CENTRAL **VIADUCT**

Existing Grade of ASP. LOT Recorded Size/Type of utility WAS FOUND Survey Mark P.K. NAIL There WERE NOT additional utilities in the test hole LElev 628.11' (set by SO-DEEP) Facing The utility WAS in good condition NORTHWEST /// \\\ /// \\\ Paving Thickness and type 1" ASP. Actual field measurement 4.59 Color of ribbon installed RED by ruler (not calculated) Soil Type STONE Surveyed Elev. 623.52' Top Util/Struc. Field Condition ASP. PARKING LOT ELEC. TUNNEL T.H. tied to P.K. NAIL Surveyed Elev. TOP NE EDGE PRECAST CONC. ELEC TUNNEL Bott. Util/Struc. Size/Material/Type (if required) Portion of pipe exposed for O.D. measurement. Width ± N/A

N 666214.0 E 2191235.0 PARKING 4.0 Sewer Manhole .08' = 1"R/W = Rights of Way = Terra Cofta .16' = 2" Test Hole N.T.S. PLAS. Plastic Not to Scale **\$**-25' = 3" Fire Hydrant BL Base Line Not Shown on Plan Pole .33' = 4" PCC ELEC. Electric Precast Concrete --- Fence Line .42' = 5"COND Telephone Conduit TELE Electric Manhole .50' = 6''CONC T.H. Concrete Test Hole \triangle = T.S = Traverse Station .58' = 7"O.D. = Sidewalk **Outside Diameter** Performing out-of-sight work…with vision!™ \bowtie .67' = 8" Valve = Driveway C.L = Cast Iron DW .75' = 9" **₩** Note: To Eliminate mistakes and check this work, So-Deep suggests you Water Meter D.I. = Ductile Iron BM = Benchmark .83' = 10"scale and plot all dimensions onto the plans and review all elevations ① = Catch Basin RPC = Rough Pour Concrete C.B. Telephone Manhole .92' = 11" carefully. So-Deep is responsible only for information shown on our forms GV = Gas Valve CL = Centerline Telephone Pedestal



The Subsurface Utility **Engineering Company** 449 Munroe Falls Road Tallmadge, OH 44278 (330) 794-4455

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work

ASP. LOT IN POOR CONDITION

City, County, State CITY OF CLEVELAND, OH Gen. Loc. REAR LOT BLDG. #206 CENTRAL VIADUCT Recorded Size/Material/Type TOP SW EDGE PRECAST CONC. ELEC. TUNNEL Foreman/Truck#/Form By J. CLINE / 219 / R. MOONEY

B.M 1 Elev. = 627.90' IS CALCULATED

Description: (3) NAILS SET IN BASE OF U.P. IN REAR LOT OF **BLDG. #206 CENTRAL VIADUCT**

B.M. 2 Elev = 627.74' IS CALCULATED

Remarks: NONE

Description CHIS "[]" SET IN SE CORNER OF CONC. FRAME OF ELEC. MH. IN THE REAR LOT OF BLDG. #206 CENTRAL

Benchmarks check BY 0.01' Elevations are referenced to B.M.#2 VIADUCT

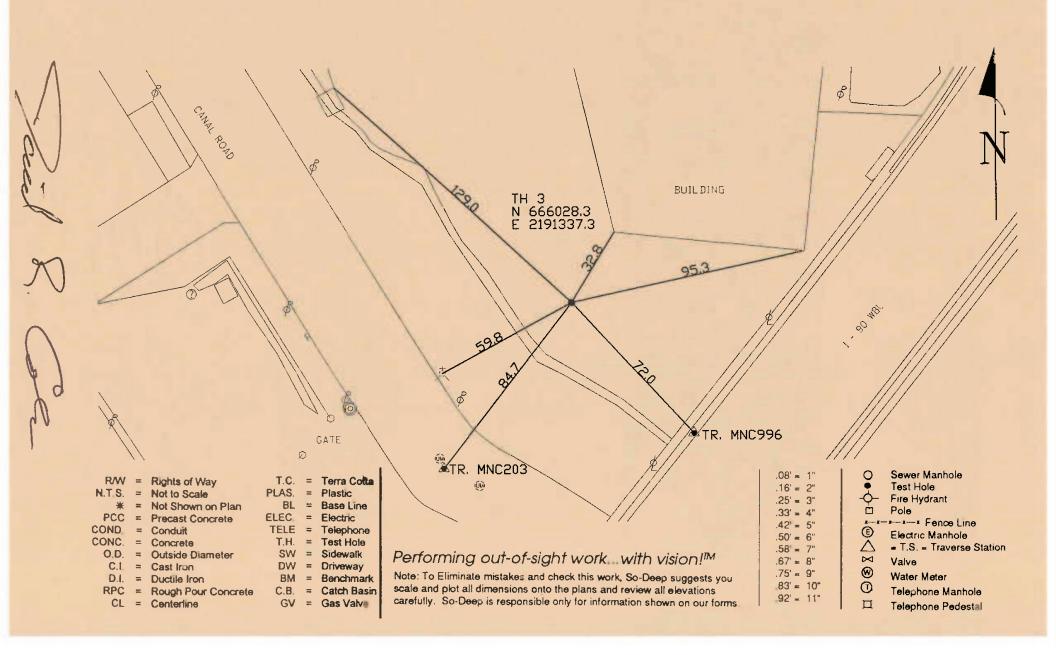
So-Deep, Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005 EJQC156

Control # Test Hole # 1"=20" Plan Scale 181 Sheet#

GRADE CHANGE Proposed SEPTEMBER 1, 2009 Date

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Existing Grade of ASP. LOT Recorded Size/Type of utility WAS FOUND Survey Mark P.K. NAIL 627.16' There WERE NOT additional utilities in the test hole (set by SO-DEEP) L Elev ... Facing The utility WAS in good condition. /// \\\ NORTHWEST /// \\\ Paving Thickness and type 1" ASP. Actual field measurement 2.70' Color of ribbon installed RED by ruler (not calculated) Soil Type STONE 624.46' Surveyed Elev. Top Util/Struc. Field Condition ASP. PARKING LOT ELEC. TUNNEL TH tied to P.K. NAIL Surveyed Elev. TOP SW EDGE PRECAST CONC. ELEC TUNNEL Bott_Util/Struc. Size/Material/Type (if required) Portion of pipe exposed for O.D. measurement. Width ± N/A





The Subsurface Utility **Engineering Company** 449 Munroe Falls Road Tallmadge, OH 44278 (330) 794-4455

So-Deep Test Hole **Certification Form**

O So-Deep

1988, 1991

Condition of paving prior to work

ASP. LOT IN POOR CONDITION

Gen Loc REAR LOT BLDG. #206 CENTRAL VIADUCT Recorded Size/Material/Type TOP NE EDGE PRECAST CONC. ELEC. TUNNEL Foreman/Truck#/Form By J. CLINE / 219 / R. MOONEY

City, County, State CITY OF CLEVELAND, OH

B.M. 1 Elev. = 627.90'

IS CALCULATED

Remarks: NONE

Description: (3) NAILS SET IN BASE OF U.P. IN REAR LOT OF **BLDG. #206 CENTRAL VIADUCT**

8.M. 2 Elev = 627.74' IS CALCULATED

Description: CHIS "[]" SET IN SE CORNER OF CONC. FRAME OF ELEC. MH. IN THE REAR LOT OF BLDG. #206 CENTRAL

Benchmarks check BY 0.01' Elevations are referenced to B.M.#2

So-Deep, Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

EJQC156 Control # Test Hole # 4 1"=20"

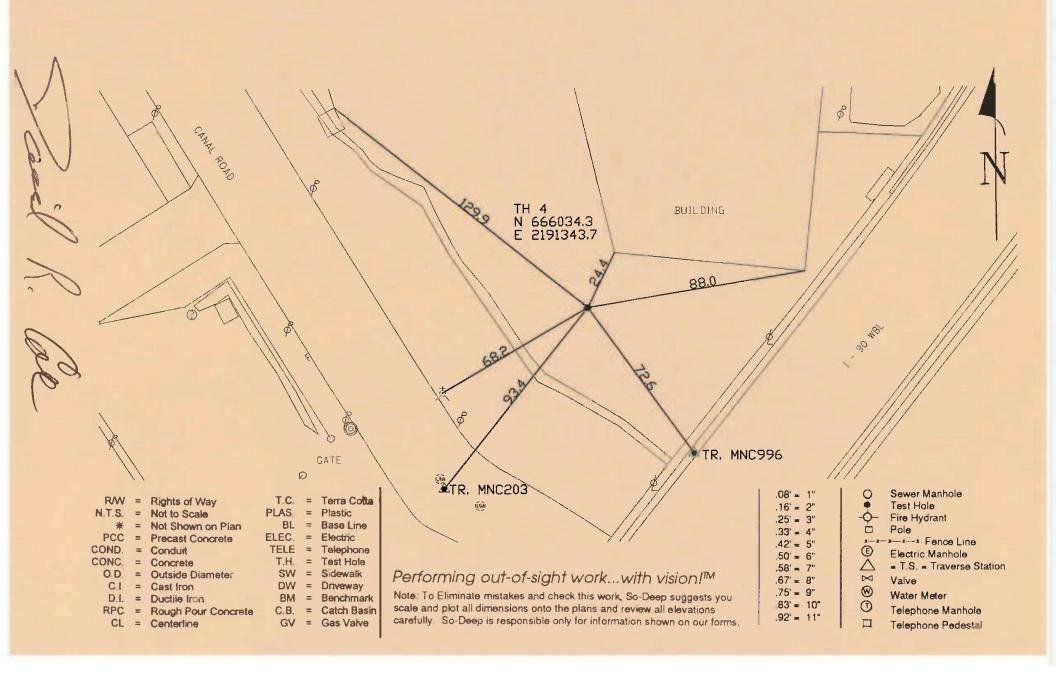
Plan Scale Sheet# **GRADE CHANGE** Proposed

Date

SEPTEMBER 1, 2009

SO DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Existing Grade of ASP. LOT Recorded Size/Type of utility WAS FOUND Survey Mark P.K. NAIL There WERE NOT additional utilities in the test hole LEIEV 627.33' (set by SO-DEEP) Facing The utility WAS in good condition /// \\\ NORTHWEST /// \\\ Paving Thickness and type 1" ASP. Actual field measurement 2.91' Color of ribbon installed RED by ruler (not calculated) Soil Type STONE Surveyed Elev 624.42' Top Util/Struc Field Condition ASP. PARKING LOT ELEC. TUNNEL TH tied to P.K. NAIL Surveyed Elev TOP NE EDGE PRECAST CONC. ELEC TUNNEL Bott. Util/Struc Size/Material/Type (if required) Portion of pipe exposed for O D measurement Width ± N/A





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Description: CHIS "X" SET TOP RIM E.M.H., 31'± RT OF PROPOSED CL STA 17+94±, COMMERCIAL ROAD

OF PROPOSED CL STA 18+44±, COMMERCIAL ROAD

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 19'± LT

Condition of paving prior to work **ASPHALT RDWY IN GOOD CONDITION**

So-Deep Corporate Office

8397 Euclid Avenue Manassas Park, VA 20111 (703) 361-6005

EJQC311 Control # Test Hole # 1"=20 Plan Scale

Sheet # **GRADE CHANGE** Proposed

FEBRUARY 8, 2010 Date

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

City, County, State CUYAHOGA CO., OHIO Gen. Loc. COMMERCIAL ROAD @ I-90 OVERPASS
Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE
Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

B.M. 1 Elev. = 658.86 is CALCULATED

B.M. 2 Elev. = 663.80

is CALCULATED

Benchmarks Check By 0.01' Elevations are referenced to B.M.#1

Recorded Size/Type of utility was FOUND

There WERE NOT additional utilities in the test hole

The utility was in good condition

Paving Thickness and type 6 1/2" ASP. / 9" CONC.

Color of ribbon installed RED

Soil Type SAND

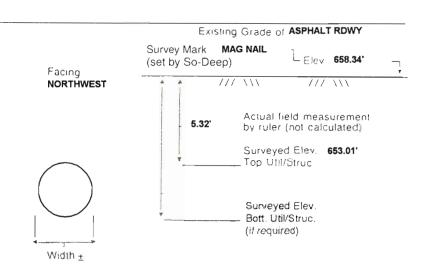
Field Condition MODERATE RD. TRAFFIC

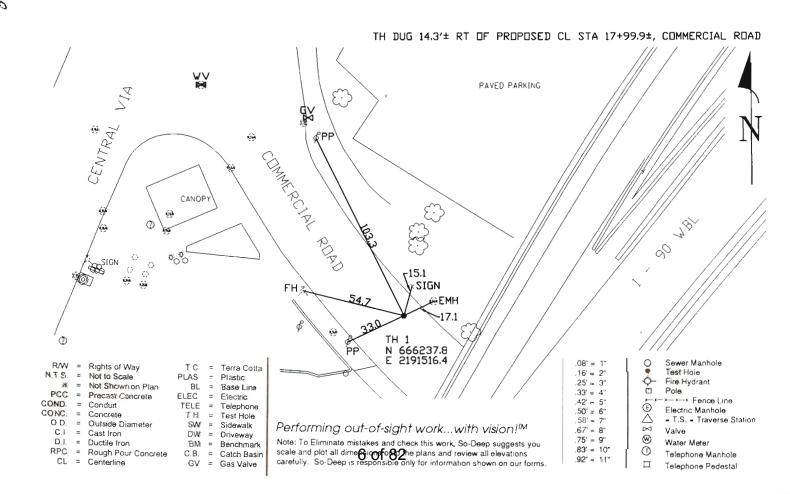
T.H. tied to MAG NAIL

9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE

Size/Material/Type Portion of pipe exposed for O.D. measurement:

FULL







4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION So-Deep Corporate Office

8397 Euclid Avenue Manassas Park, VA 20111 (703) 361-6005

EJQC311 Control # Test Hole # 1"=20" Plan Scale Sheet #

181 **GRADE CHANGE**

Proposed **FEBRUARY 8, 2010** Date

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

City, County, State CUYAHOGA CO., OHIO
Gen. Loc. COMMERCIAL ROAD @ I-90 OVERPASS
Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE
Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

IS CALCULATED

B.M. 1 Elev. = 658.86°

Description: CHIS "X" SET TOP RIM E.M.H., 31'± RT OF PROPOSED CL STA 17+94±, COMMERCIAL ROAD

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 19'± LT

B.M. 2 Elev. = 663.80° is **CALCULATED**

OF PROPOSED CL STA 18+44±, COMMERCIAL ROAD

Benchmarks Check BY 0.01' Elevations are referenced to B.M.#1

Recorded Size/Type of utility was FOUND

There WERE NOT additional utilities in the test hole

The utility was in good condition

Paving Thickness and type 8 1/2" ASP. / 9" CONC.

Color of ribbon installed RED

Soil Type SAND

Field Condition MODERATE RD. TRAFFIC

T.H. tied to MAG NAIL

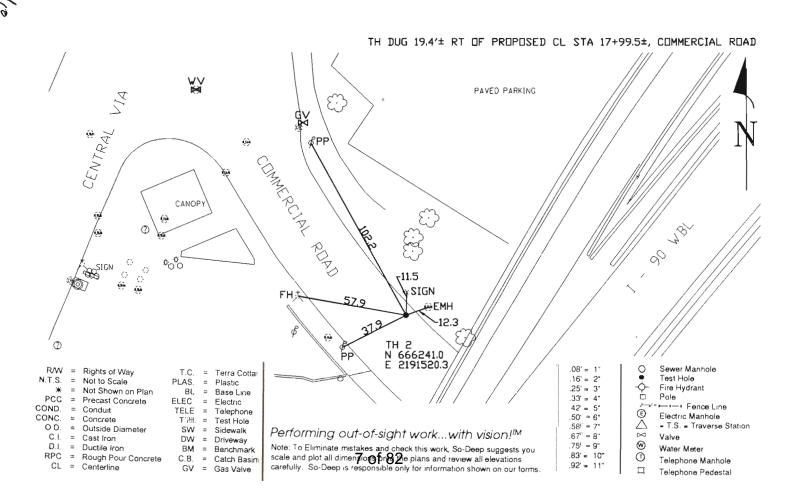
9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE

Size/Material/Type Portion of pipe exposed for O.D. measurement:

FULL

Remarks: NONE

Existing Grade of ASPHALT RDWY Survey Mark MAG NAIL - Elev 658.31" (set by So-Deep) Facing NORTHWEST /// \\\ Actual field measurement 5.38 by ruler (not calculated) Surveyed Elev 652.93 Top Util/Struc Surveyed Elev. Bott. Util/Struc. (if required) Width +





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703) 361-6005

EJQC311 Control # Test Hole # 1"=20 Plan Scale Sheet # Proposed

Date

181 **GRADE CHANGE FEBRUARY 12, 2010**

City, County, State **CUYAHOGA CO., OHIO** Gen. Loc. COMMERCIAL ROAD JUST NW OF I-90 OVERPASS
Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE
Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

B.M. 1 Elev. = 658.86

IS CALCULATED

Cast Iron

Centerline

Ductile Iron

Rough Pour Concrete

D.I.

RPC

DW'

C.B.

GV

Driveway

Benchmark

Catch Basin

Gas Valve

Description: CHIS "X" SET TOP RIM E.M.H., 31'± RT OF PROPOSED CL STA 17+94±, COMMERCIAL ROAD

B.M. 2 Elev. = 663.80 is CALCULATED

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 19'± LT OF PROPOSED CL STA 18+44±, COMMERCIAL ROAD

Benchmarks Check BY 0.00' Elevations are referenced to B.M.#1

BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

So-Deep will attempt to use the

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility was FOUND Survey Mark MAG NAIL There **WERE** additional utilities in the test hole L Flev . 666.05' (set by So-Deep) Facing The utility was in good condition /// \\\ SOUTHEAST /// \\\ Paving Thickness and type 3 1/2" ASP. / 12" CONC. Actual field measurement Color of ribbon installed RED 4.64 by ruler (not calculated) Soil Type SAND Surveyed Elev. 661.42' Top Util/Struc Field Condition MODERATE RD. TRAFFIC SFF T.H. tied to MAG NAIL DETAIL Surveyed Elev. Α 9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE * Bott. Util/Struc. Size/Material/Type (if required) Portion of pipe exposed for O.D. measurement: Width + TOP#2 Remarks: * CREW ALSO FOUND AN AGGREGATE FILL FOR A (M.C.I.) 661.99 ELEV.

FIBER OPTIC TELE. DUCT RUNNING ABOVE AND IN A NORTHERLY DIRECTION FROM THE 9" ELEC. LINE. ELECTRONIC DESIGNATING. TOPSIDE SURVEY & UTILITY RECORDS RESEARCH ALL INDICATE THE (M.C.I.) F.O. TELE DUCT IS CONTAINED WITHIN OR LIES DIRECTLY BENEATH THE AGGREGATE FILL. ROD READING #2 TAKEN AT **BOTTOM OF AGGREGATE.**

TH DUG 18.5'± RT OF PROPOSED CL STA 19+08.0±, COMMERCIAL ROAD

.67'= 8"

75'= 9"

83 - 10

92' - 11"

 ∞

⊗

1

Valve

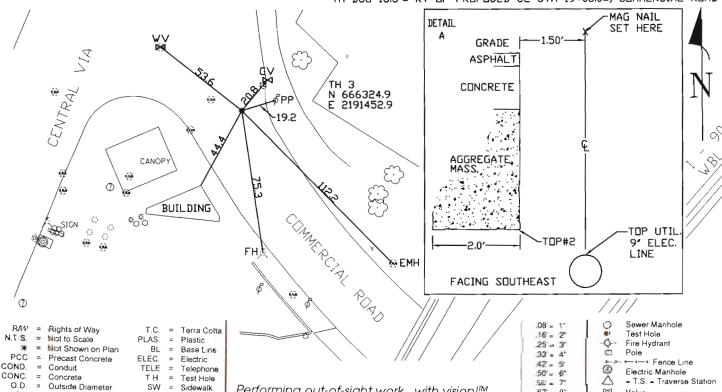
Water Meter

Telephone Manhole

Telephone Pedestal

4.03

ACTUAL



Performing out-of-sight work…with vision!™

Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all dime Good for Mahe plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.



4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Description: CHIS "X" SET TOP RIM E.M.H., 31'± RT OF PROPOSED CL STA 17+94±, COMMERCIAL ROAD

OF PROPOSED CL STA 18+44±, COMMERCIAL ROAD

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 19'± LT

City, County, State CUYAHOGA CO., OHIO Gen. Loc. COMMERCIAL ROAD JUST NW OF I-90 OVERPASS Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703) 361-6005

EJQC311 Control# Test Hole # 1"=20 Plan Scale 181 Sheet #

GRADE CHANGE **FEBRUARY 8, 2010**

Proposed Date

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

B.M. 1 Elev. = 658.86'

is calculated

B.M. 2 Elev. =

is **CALCULATED**

Benchmarks Check By 0.00' Elevations are referenced to B.M.#1

Recorded Size/Type of utility was FOUND There WERE NOT additional utilities in the test hole

Paving Thickness and type 4" ASP. / 9" CONC.

Color of ribbon installed RED

Soil Type SAND

The utility was

Field Condition MODERATE RD. TRAFFIC

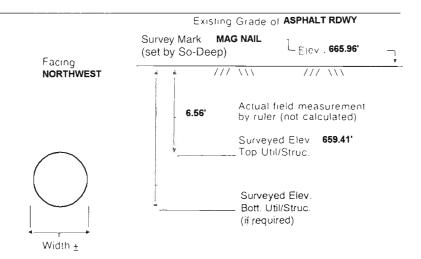
T.H. tied to MAG NAIL

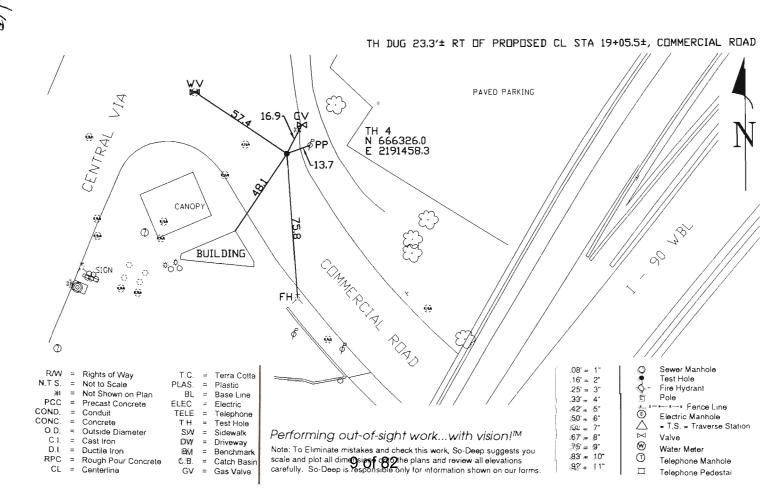
9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE Size/Material/Type

in good condition

Portion of pipe exposed for O.D. measurement:

FULL







4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Gen. Loc. CENTRAL VIA JUST S. OF CARNEGIE AVE.

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

Control # Test Hole # Plan Scale Sheet #

Proposed

Date

TH DUG 35.2'± RT OF PROPOSED CL STA 102+50.3±, CENTRAL VIA

EJQC311 1"=20' 172

GRADE CHANGE FEBRUARY 12, 2010

B.M 1 Elev. = 658.86*

IS CALCULATED

B.M. 2 Elev = 663.80° IS CALCULATED

Description: CHIS "X" SET TOP RIM E.M.H., 31'± RT OF PROPOSED CL STA 17+94±, COMMERCIAL ROAD

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 19'± LT OF PROPOSED CL STA 18+44±, COMMERCIAL ROAD

Benchmarks check BY 0.00' Elevations are referenced to B.M.#1

City, County, State CUYAHOGA CO., OHIO

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility WAS FOUND Survey Mark MAG NAIL There WERE NOT additional utilities in the test hole (set by SO-DEEP) ∟Elev. **667.29**' Facing The utility WAS in good condition /// \\\ /// \\\ NORTH Paving Thickness and type 6" ASP. / 12" CONC. Actual lield measurement Color of ribbon installed RED 5.28 by ruler (not calculated) Soil Type SAND Surveyed Elev. 662.03 Top Util/Struc Field Condition MODERATE RD. TRAFFIC T.H fied to MAG NAIL Surveyed Elev. 9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE Bott. Util/Struc. Size/Material/Type (if required) Portion of pipe exposed lor O.D. measurement. Width ±

Remarks: NONE

FULL

PAVED PARKING Ogg Ogg ф EMH 504 **(3)** N 666426.5 E 2191429.3 €Q.Q SIGN æ

EMH

έŵ

Rights of Way Terra Cotta N.T.S. = Not to Scale PLAS. Plastic Not Shown on Plan BL Base Line PCC Precast Concrete ELEC. Electric TELE COND. Telephone Conduit CONC Concrete TH Test Hole Outside Diameter SW Sidewalk C.I. Cast Iron Driveway Ductile Iron Benchman **RM** Rough Pour Concrete C.B. Calch Basir Centerline GV Gas Valve

Performing out-of-sight work...with vision!™ Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all diministrations and review all elevations carrefully. So-Deep is responsible only for information shown on our forms.

Sewer Manhole .08' - 1' .16' = 2" Test Hole Fire Hydrant .25' = 3" .33' = 4" ---- Fence Line .42' = 5" Ē .50' = 6" .58' = 7" Electric Manhole Δ .67 = 8" Valve 75' = 9"

PAVED PARKING

83' = 101 ① .92" = 11" Telephone Pedestal

- T.S. - Traverse Station Water Meter Telephone Manhole



The Subsurface Utility **Engineering Company** 4650 Paragon Park Road

Raleigh, NC 27616 (919) 878-7466

So-Deep Test Hole Certification Form

© So-Deep

1988, 1991

CHIS "X" SET NW BONNET BOLT OF F.H., 19'± LT

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION Sheet #

(703)361-6005 Control # Test Hole # Plan Scale

1"=20" 172 **GRADE CHANGE**

FEBRUARY 12, 2010

EJQC311

Proposed

So-Deep Corporate Office

Manassas Park, VA 20111

8397 Euclid Avenue

SO DEEP will attempt to use the BM/HI most applicable to your design. If however, 8Ms defer by more than .05', resulting differences abuild cause design conflicts.

City, County, State CUYAHOGA CO., OHIO Gen. Loc. CENTRAL VIA JUST S. OF CARNEGIE AVE. Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

B.M 1 Elev = 658.86'

IS CALCULATED

BM 2 Elev = IS CALCULATED

Description

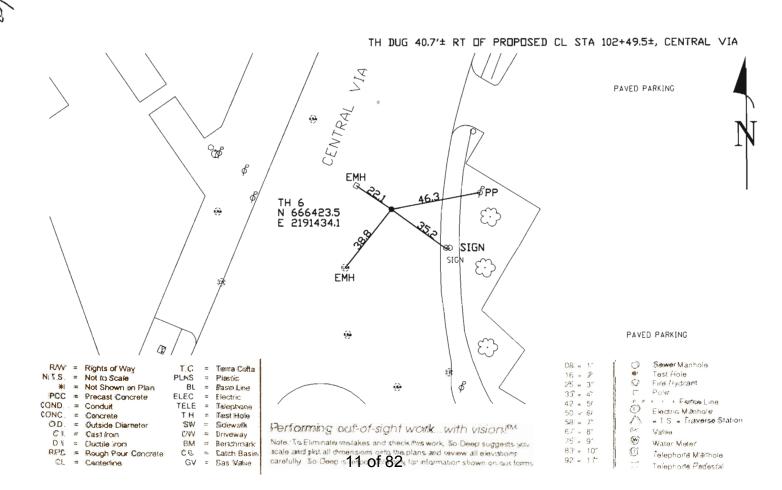
Description CHIS "X" SET TOP RIM E.M.H., 31'± RT OF PROPOSED CL STA 17+94±, COMMERCIAL ROAD

OF PROPOSED CL STA 18+44±, COMMERCIAL ROAD

Benchmarks check BY 0.00'

Elevations are referenced to B.M.#1

ASPHALT RDWY Existing Grade of Recorded Size/Type of utility WAS FOUND Survey Mark MAG NAIL There WERE NOT additional utilities in the test hole (set by SO-DEEP) be FINV 667.22 Facing The utility WAS in good condition NORTH Paving Thickness and type 8" ASP. 17" CONC. Actual field measurement Color of ribbon installed RED 5.18 by fuler (not calculated) Soil Type SAND Surveyed Elev 662.06 Top Lini/Struc Field Condition MODERATE RD. TRAFFIC TH hed to MAG NAIL Surveyed Elev 9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE Bott Util/Strue. Size/Material/Type (if required) Portion of pipe exposed for O.D. measurement Width +





The Subsurface Utility **Engineering Company** 4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

City. County. State CUYAHOGA CO., OHIO
Gen. Loc. CENTRAL VIA @ CARNEGIE AVE.
Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE

So-Deep Test Hole **Certification Form**

© So-Deep

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

Control # Test Hole # Plan Scale Sneet #

1"=20 163 GRADE CHANGE

Proposed **FEBRUARY 23, 2010** Dair

SO DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 95' resulting differences

wuid cause design conflicts

EJQC311

B.M 1 Elev = 669.21 IS CALCULATED

Description. CHIS "X" SET NW BONNET BOLT OF F.H., 66'± LT OF PROPOSED CL STA 15+98±, CARNEGIE AVE.

B.M. 2 Elev -668.80 IS CALCULATED

Description:

Benchmarks check BY 0.02' Elevations are referenced to B.M.#2

CHIS "X" TOP RIM T.M.H., 37'± RT OF PROPOSED CL STA 18+23±, CARNEGIE AVE.

Recorded Size/Type of utility WAS FOUND Survey Mark MAG NAIL There WERE NOT additional utilities in the test hale (set by SO DEEP) Facino The utility WAS in good condition NORTHEAST Paving Thickness and type 2" ASP. 17" CONC.

Color of ribbon installed RED

Soil Type SAND & DEBRIS

Field Condition MODERATE RD. TRAFFIC

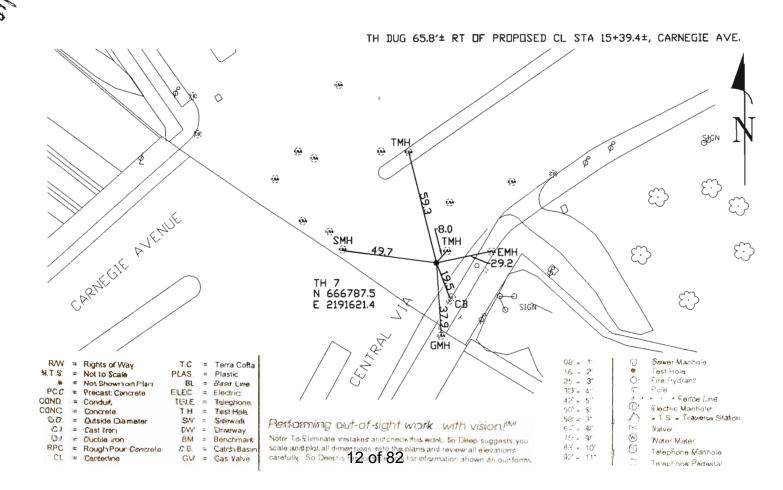
TH fred to MAG NAIL

9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE Portion of pipe exposed for O D measurement

FULL

Remarks: NONE

ASPHALT RDWY Existing Grade of - Elev 667.12 Actual field measurement 9.12 by fuler (not dalculated; 658.00 Surveyed Elev Top Uni/Struc Surveyed Elev Bott Uni/Struc (if required) Width +





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Gen. Loc. CENTRAL VIA @ CARNEGIE AVE.
Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

EJQC311 Control # Test Hole # 1"=20 Plan Scale Sheet # Proposed

163 **GRADE CHANGE**

FEBRUARY 23, 2010 Date

SO-DEEP will attempt to use the

BM/HI most applicable to your design. If however, BMs differ by

more than .05', resulting differen

could cause design conflicts.

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS B.M. 1 Elev = 669.21'

IS CALCULATED

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 66'± LT OF PROPOSED CL STA 15+98±. CARNEGIE AVE.

B M. 2 Elev = 668.80' IS CALCULATED

Description: CHIS "X" TOP RIM T.M.H., 37'± RT OF PROPOSED

Facing

Width ±

NORTHEAST

CL STA 18+23±, CARNEGIE AVE.

Benchmarks check BY 0.02' Elevations are referenced to B.M.#2

Recorded Size/Type of utility WAS FOUND

City, County, State CUYAHOGA CO., OHIO

Existing Grade of ASPHALT RDWY

The utility WAS

in good condition.

There WERE NOT additional utilities in the test hole

Paving Thickness and type 8" ASP. / 5" CONC.

Color of ribbon installed RED

Soil Type SAND & DEBRIS

Field Condition MODERATE RD. TRAFFIC

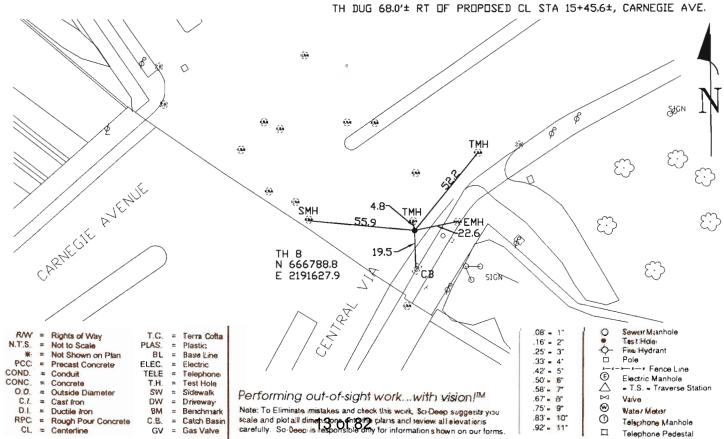
TH hed to MAG NAIL

9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE Size/Material/Type Portion of pipe exposed for O D measurement

FULL

Remarks: NONE

Survey Mark MAG NAIL (set by SO-DEEP) Elev . 667.06 /// \\\ /// \\\ Actual field measurement 8.82 by ruler (not calculated) Surveyed Elev. 658.26 Top Util/Struc Surveyed Elev. Bott. Util/Struc. (if required)





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE

City, County, State CUYAHOGA CO., OHIO Gen. Loc CARNEGIE AVE., JUST SW OF ONTARIO ST.

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

EJQC311 Control # Test Hole # Plan Scale Sheet #

163

GRADE CHANGE Proposed FEBRUARY 22, 2010

B.M 1 Elev = 669.21' IS CALCULATED

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 66'± LT OF PROPOSED CL STA 15+98±, CARNEGIE AVE.

B M. 2 Elev. = 668.80° IS CALCULATED

Description: CHIS "X" TOP RIM T.M.H., 37'± RT OF PROPOSED

CL STA 18+23±, CARNEGIE AVE.

Benchmarks check BY 0.02' Elevations are referenced to B.M.#2 SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility WAS FOUND Survey Mark MAG NAIL There WERE NOT additional utilities in the test hole (set by SO-DEEP) Elev . 668.60 Facing The utility WAS in good condition. /// \\\ NORTHEAST /// \\\ Paving Thickness and type 8" ASP. / 10" CONC. Actual field measurement Color of ribbon installed RED 7.82 by ruler (not calculated) Soil Type SAND & DEBRIS Surveyed Elev. 660.79 Top Util/Struc. Field Condition HEAVY ROAD TRAFFIC TH fied to MAG NAIL Surveyed Elev. 9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE Bott. Util/Struc. Size/Material/Type (if required) Portion of pipe exposed

for O.D. measurement Width + **FULL** Remarks: NONE

TH DUG 13.6'± RT OF PROPOSED CL STA 16+57.7±, CARNEGIE AVE. ĮÚŅ. ONTARIO Ø ® ∗TMH WMH CARNEGIE AVENUE TH 9 N 666894.0 E 2191694.7 0 SPCN **₩PP** ψù ŵ TMH (ri 0 Sewer Manhole .08' = RW Rights of Way T.C. Terra Cotta Test Hole .16' = 2' N.T.S. PLAS. Not to Scale Plastic 0 .25' = 3" Fire Hydrant Base Line BL Not Shown on Plan Pole .33' = 4" PCC **Precast Concrete** ELEC. Electric -x-x Fence Line 42 = 5 COND. TELE (E) Conduit Telephone .50' = 6" Electric Manhole CONC Concrete Test Hole .58' = 7" .67' = 8" \triangle . T.S. - Traverse Station O.D. Outside Diameter SW = Sidewalk Performing out-of-sight work…with vision!™ Valve C.I. DW Driveway Cast Iron **⊗** 75' = 9" D.I. Note: To Eliminate mistakes and check this work, So-Deep suggests you Water Meter Ductile Iron Benchmark .83' = 10" Ō RPC scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms Rough Pour Concrete C.B. Catch Basin Telephone Manhole .92' = 11" Centerline GV Gas Valve Telephone Pedestal



4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Gen. Loc CARNEGIE AVE., JUST SW OF ONTARIO ST.

Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC. LINE

City, County, State CUYAHOGA CO., OHIO

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

EJQC311 Control # Test Hole #

1"=20 Plan Scale Sheet #

GRADE CHANGE Proposed **FEBRUARY 22, 2010** Date

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS B.M. 1 Elev. = 669.21'

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 66'± LT OF PROPOSED CL STA 15+98±, CARNEGIE AVE.

B.M. 2 Elev. = 668.80° IS CALCULATED

IS CALCULATED

Remarks: NONE

Description: CHIS "X" TOP RIM T.M.H., 37'± RT OF PROPOSED

CL STA 18+23±, CARNEGIE AVE.

Benchmarks check BY 0.02' Elevations are referenced to B.M.#2

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility was FOUND Survey Mark MAG NAIL There WERE NOT additional utilities in the test hole L Elev . 668.52' (set by SO-DEEP) Facing in good condition NORTHEAST /// \\\ Paving Thickness and type 8" ASP. / 10" CONC. Actual field measurement Color of ribbon installed RED 8.71 by ruler (not calculated) Soil Type SAND & DEBRIS Surveyed Elev. Top Util/Struc. TH fied to MAG NAIL Surveyed Elev. 9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE Bott. Util/Struc. Size/Material/Type Portion of pipe exposed (if required) for O D. measurement

The utility was Field Condition HEAVY ROAD TRAFFIC FULL Width ±

TH DUG 12.2'± RT OF PROPOSED CL STA 16+41.3±, CARNEGIE AVE. (v) ONTARIO ŵ 0 ์∰ •TMH CARNECIE AVENUE TH 10 666886.6 2191680.0 SEN ¥ PP TMH D Sewer Manhole RM Rights of Way Terra Cotta 16' = 2" Trast Hole N.T.S. Not to Scale PLAS. Plastic ¢. Fire Hydrant .25' = 3" Not Shown on Plan Base Line BL. .33' = 4" Pole PCC **Precast Concrete** ELEC. Electric -x-x Fence line COND Conduit TELE Telephone Ē Electric Manhole .50' = 6" .58' = 7" Concrete TH Test Holia Δ - T.S. - Traverse Station 0.0 Outside Diameter Sidewalk Performing out-of-sight work...with vision!™ .67' - 8" \bowtie Valve Cast Iron C.I. DW Driveway **⊗** D.I. Note: To Eliminate mistakes and check this work, So-Deep suggests you .75' = 9" Water Meter Ductile Iron BM Benchmark scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is included by the plans and review all elevations carefully. .83' = 10" ① Rough Pour Concrete Catch Basin C.B. Telephone Manhole .92 = 11 GV Gas Valve Telephone Pedestal



4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

So-Deep Test Hole **Certification Form**

Description: (MNC321) TOP OF P.K. NAIL FOUND, 53'± RT OF PROPOSED CL STA 22+21±, CARNEGIE AVE.

Description: (MNC324) TOP OF P.K. NAIL FOUND, 52'± RT OF

© So-Deep

PROPOSED CL STA 21+11±, CARNEGIE AVE.

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

EJQC311 Control # Test Hole # 1"=20 Plan Scale

155 Sheet # **GRADE CHANGE** Proposed FEBRUARY 19, 2010 Date

SO-DEEP will attempt to use the BM/HI most applicable to your design, if however, BMs differ by more than .05', resulting differences could cause design conflicts.

City. County, State CUYAHOGA CO., OHIO

Gen. Loc. CARNEGIE AVE., 365'± SW OF E. 9TH ST.

Recorded Size/Material/Type 8" STEEL 132KV (C.E.I.) ELEC LINE Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

B.M 1 Elev = 669.93

15 GIVEN

B.M. 2 Elev = 670.25'

IS GIVEN

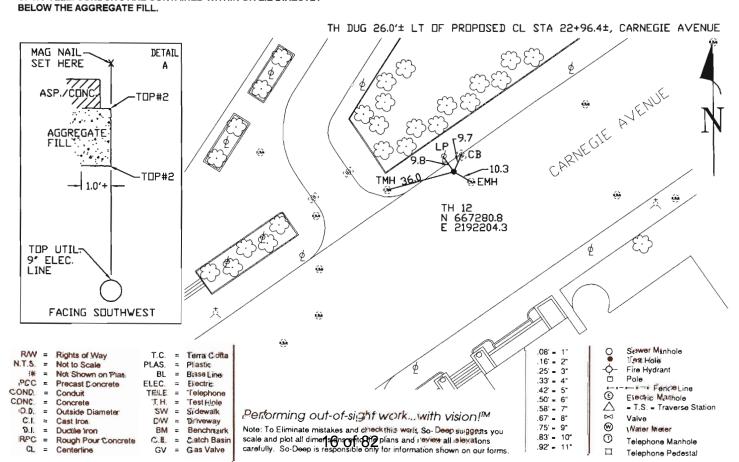
Benchmarks check BY 0.03'

Elevations are referenced to B.M.#2

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility WAS FOUND MAG NAIL Survey Mark There WERE additional utilities in the test hole ∟ Elev . 669.39' (set by SO-DEEP) Facing The utility WAS in good condition. SOUTHWEST /// \\\ 111 111 Paving Thickness and type 7" ASP. / 6" CONC. Actual field measurement 6.95 Color of ribbon installed RED by ruler (not calculated) Soil Type SAND Surveyed Elev. 662.46 Top Util/Struc Field Condition MODERATE RD. TRAFFIC SFF TH fied to MAG NAIL DETAIL Α Surveyed Elev. 9" COATED STEEL 132 KV (C.E.I.) ELEC. LINE * Bott. Util/Struc. Size/Material/Type (if required) Portion of pipe exposed lor O.D measurement: Width +

Remarks: * CREW ALSO FOUND 1.95' H. AGGREGATE (X.O.) FIBER OPTIC TELE. DUCT RUNNING ABOVE & PARALLEL TO THE 9" ELEC. LINE. ELECTRONIC DESIGNATING, TOPSIDE SURVEY & UTILITY RECORDS RESEARCH ALL INDICATE THAT THE (8) 2" PLASTIC FIBER OPTIC TELE. CONDUITS ARE CONTAINED WITHIN OR LIE DIRECTLY

TOP#2 BOTT#2 ELEV. 668.31 666.36 **ACTUAL** 1.08 3.00





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Gen. Loc. COMMERCIAL ROAD JUST NW OF I-90 OVERPASS

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Recorded Size/Material/Type UNK. SIZE & TYPE (C.P.P.) ELEC. DUCT

City, County, State CUYAHOGA CO., OHIO

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

EJQC311 Control # Test Hole # Plan Scale Sheet #

Date

1"=20 181 **GRADE CHANGE**

Proposed **FEBRUARY 8, 2010**

B.M. 1 Elev. = 658.86' IS CALCULATED

B.M. 2 Elev = 663.80 IS CALCULATED

Description: CHIS "X" SET TOP RIM E.M.H., 31'± RT OF PROPOSED CL STA 17+94±, COMMERCIAL ROAD

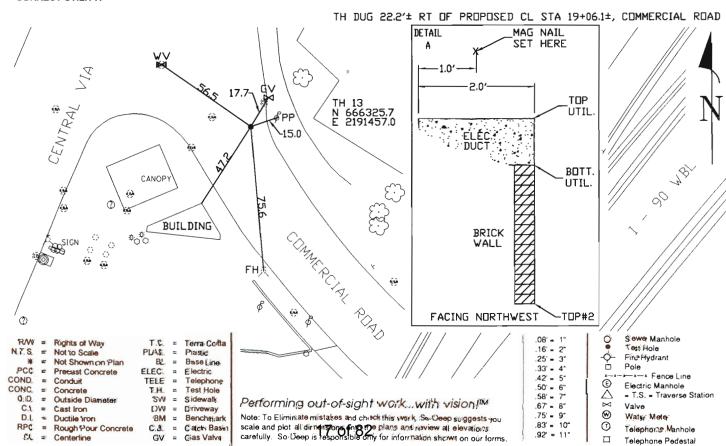
Description: CHIS "X" SET NW BONNET BOLT OF F.H., 19'± LT OF PROPOSED CL STA 18+44±, COMMERCIAL ROAD

Benchmarks check BY 0.00' Elevations are referenced to B.M.#1

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility WAS FOUND Survey Mark MAG NAIL There WERE NOT additional utilities in the test hole (set by SO-DEEP) Elev . 665.97 Facing The utility WAS in good condition /// \\\ NORTHWEST /// \\\ Paving Thickness and type 4" ASP. / 9" CONC. Actual field measurement Color of ribbon installed RED 4.84 by ruler (not calculated) Soil Type SAND Surveyed Elev. 661.12' Top Util/Struc. Field Condition MODERATE RD. TRAFFIC SEE TH tied to MAG NAIL 5.66 DETAIL Α Surveyed Elev. 660.32 0.80' H. X 2.0' W. R.P.C. (C.P.P.) ELEC. DUCT * Size/Material/Type
Portion of pipe exposed Bott. Util/Struc. (if required) for O D measurement Width ± 2.0' TOP#2 Remarks: * CREW COULD NOT OBTAIN AN ACCURATE BOTTOM ELEV. 658.61 ELEVATION ON THE R.P.C. ELECTRIC DUCT DUE TO AN OLD BRICK

ACTUAL 7.38 WALL & DEBRIS LYING DIRECTLY UNDERNEATH THE R.P.C. DUCT. TOPSIDE SURVEY, UTILITY RECORDS RESEARCH & ELECTRONIC DESIGNATING ALL INDICATE THAT THE TEST HOLE WAS DUG ON THE CORRECT UTILITY. TH DUG 22.2'± RT OF PROPOSED CL STA 19+06.1±, COMMERCIAL ROAD MAG NAIL DETAIL SET HERE 1.01 17.7 TOP TH 13 UTIL -15.0 ELÉC.





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Recorded_Size/Material/Type 6-WAY TERRA COTTA (AT&T) TELE. DUCT

Gen. Loc INTR. BROADWAY AVE. & CARNEGIE AVE.

City, County, State CUYAHOGA CO., OHIO

So-Deep Test Hole **Certification Form**

© So-Deep

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

Manassas Park, VA 20111 (703)361-6005 EJQC311 Control #

8397 Euclid Avenue

So-Deep Corporate Office

19 Test Hole # 1"=20 Plan Scale Sheet# 164 Proposed

GRADE CHANGE FEBRUARY 15, 2010

LEIev . 668.78'

/// \\\

664.16

663,00

Telephone Pedestal

B.M 1 Elev = 669.21'

S CALCULATED

IS CALCULATED B.M 2 Elev. = 668.80'

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 66'± LT OF PROPOSED CL STA 15+98±, CARNEGIE AVE.

Description: CHIS "X" TOP RIM T.M.H., 37'± RT OF PROPOSED CL STA 18+23±, CARNEGIE AVE.

Benchmarks check BY 0.00' Elevations are referenced to B.M.#1

for O.D. measurement

= Centenine

GV

Gas Valve

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility was FOUND MAG NAIL Survey Mark There WERE NOT additional utilities in the test hole (se! by SO-DEEP) Facing The utility WAS in good condition SOUTHWEST Paving Thickness and type 8 1/2" ASP. / 6" CONC. Actual field measurement Color of ribbon installed **ORANGE** 4.61' by ruler (not calculated) Soil Type SAND & DEBRIS Surveyed Elev. Top Util/Struc. Field Condition HEAVY RD. TRAFFIC SEE TH tied to MAG NAIL 5.79 DETAIL Α Surveyed Elev. 1.16' H. X 0.75' W. TERRA COTTA (AT&T) TELE DUCT * Size/Material/Type Bott. Util/Struc. (if required) Portion of pipe exposed

Remarks: * (AT&T) UTILITY VAULT INSPECTION INDICATES THAT THE 6-WAY TERRA COTTA DUCT CONTAINS FIBER OPTICS AT THIS LOCATION.

TH DUG 26.2'± RT OF PROPOSED CL STA 31+04.9±, BROADWAY AVE. CARNEGIE AVE DETAIL MAG NAIL **EMH** SET HERE -0.38 548 0.75 TOP EMH € UTIL 188 7.8 TMH TH 19 SMH @7 19.6-N 666964.9 E 2191856.0 BROADWAY AVE TC POLE BOTT. UTIL. FACING SOUTHWEST .08' - 1 Sewer Manhole RW = Rights of Way T.C. PLAS. Terra Colta Test Hole .16' = 2" N.T.S. Plastic Not to Scale 0 .25' = 3" Fire Hydrant Not Shown on Plan BL Base Line Pole .33' = 4" PCC Precast Concrete ELEC. TELE Efectric -x-x Fence Line .42' = 5" COND. Conduit Telephone É .50' = 6" Electric Manhole CONC Concrete Test Hole Δ = T.S. = Traverse Station .58' = 7" 0.0 Outside Diameter SW Sidewalk Performing out-of-sight work...with vision!™ .67 = 8 Valve C.L DW Cast Iron Driveway Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions for plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms. 8 .75' - 9" D.I. Ductile Iron Benchmark .83' = 10" ① RPC Rough Pour Concrete C.B. Catch Basin Telephone Manhole .92' - 11"

Width + 0.75



Gen. Loc. INTR. BROADWAY AVE. & CARNEGIE AVE.
Recorded Size/Material/Type 6-WAY TERRA COTTA (AT&T) TELE. DUCT

4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

So-Deep Test Hole Certification Form

© So-Deep

1988, 1991

Condition of paving prior to work ASPHALT RDWY IN GOOD CONDITION

ELEV.

ACTUAL

665.34

3.52

So-Deep Corporate Office 8397 Euclid Avenue Manassas Park, VA 20111 (703)361-6005

EJQC311 Control # Test Hole # 20 1"=20" Plan Scale

Date

164

Sheet # **GRADE CHANGE** Proposed **FEBRUARY 15, 2010**

SO-DEEP will attempt to use the BM/HI most applicable to your design, If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS 8.M. 1 Elev. = 669.21'

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 66'± LT OF PROPOSED CL STA 15+98±, CARNEGIE AVE.

CL STA 18+23±, CARNEGIE AVE.

B.M. 2 Elev = **668.80**

S CALCULATED

THE TELE. DUCT.

IS CALCULATED

Benchmarks check BY 0.00'

City, County, State CUYAHOGA CO., OHIO

Elevations are referenced to B.M.#1

Existing Grade of ASPHALT RDWY Recorded Size/Type of utility WAS FOUND Survey Mark MAG NAIL There WERE additional utilities in the test hole (set by SO-DEEP) ∟ Elev . 668.86' Facing The utility WAS in good condition SOUTHWEST Paving Thickness and type 6" ASP. / 7" CONC. Actual field measurement Color of ribbon installed **ORANGE** 3.29 by ruler (not calculated) Soil Type SAND & DEBRIS Surveyed Elev. 665.57 Top Util/Struc Field Condition HEAVY RD. TRAFFIC SEE 5.22 T H. tied to MAG NAIL DETAIL Α Surveyed Elev. SEE REMARKS * Bott. Util/Struc. Size/Material/Type (if required) Portion of pipe exposed for O.D. measurement. Width + **TOP#2** Remarks: * 1.95' H. X 1.75' W. ROUGH POUR CONC. SHEATH / TERRA

Description: CHIS "X" TOP RIM T.M.H., 37'± RT OF PROPOSED

DETAIL MAG NAIL SET HERE Α 0.88' -1.75 TOP UTIL. T0P#2 5" UNK. PIPE SHEATH TELE BUTT

FACING SOUTHWEST

COTTA (AT&T) TELE. DUCT. CREW ALSO FOUND 5" CORRODED

METALLIC UNK. FUNCTION PIPE RUNNING BESIDE AND PARALLEL TO

TH DUG 10.8'± RT OF PROPOSED CL STA 31+12.7±, BROADWAY AVE. CARNECIE AVE. ψù **EMH** EMH & 4.3-ТМН TH 20 N 666955.4 E 2191841.6 BROADWAY AVE. 13.6 TC POLE

RM Rights of Way N.T.S. Not to Scale Not Shown on Ptan PCC:

Ductile Iron.

Rough Pour Conscrete

COND.

CONC.

O.D.

CI

D.I.

CL.

T.C. Terra Colta PLAS. Plastica BL Base Line Precast Concrete ELEC. Electric Conduit YELE Telephone: Concrete T.H. Seist Hole Outside Diameter SW Sidewalk Cast Iron DW Driveway!

BM

GV

Penforming out-of-sight work...with vision!™ Note: To Eliminate mistakes and check this work, So Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So Deep is Depth to ziny for information shown on our forms. .08' - 1' .16' = 2" .25' = 3" .33' = 4" .42' = 5"

.92' = 11'

.58' = 7" 637' = 8" 75' = 9" .83' = 10"

Sewer Manhole Test Hole \ Fire Hydrant Pole

--- Fence Line E Electric Manhole $\stackrel{\vee}{\triangle}$ - T.S. - Traverse Station Valve

Water Meter Telephone Manhole П Telephone Pedestal

Benchmark Catch Basin

Gas Valve



4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form **Utility Quality Level A Data**

ASCE C/I 38-02

City, County, State CUYAHOGA CO., OHIO

Gen. Loc. BROADWAY AVE., JUST W. OF E. 14TH ST.

Recorded Size/Material/Type (2) 9-WAY TERRA COTTA (AT&T) TELE. DUCTS Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

B.M. 1 Elev. = 677.60'

IS CALCULATED

Description: CHIS "X" SET TOP RIM T.M.H., 79'± LT OF PROPOSED CL STA 12+02±, E. 14TH ST.

B.M. 2 Elev. = 678.13' is **CALCULATED**

Description: CHIS "X" TOP RIM T.M.H., 19'± RT OF PROPOSED CL STA 11+24±, E. 14TH ST.

Benchmarks Checkby 0.00' Elevations are referenced to B.M.#1 ASPHALT RDWY IN GOOD CONDITION

Condition of paving prior to work

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

So-Deep Corporate Office

EJQC311

GRADE CHANGE

FEBRUARY 16, 2010

1"=20

184

Manassas Park, VA 20111

8397 Euclid Avenue

(703) 361-6005

Control #

Test Hole #

Plan Scale

Proposed

Sheet #

Date

Recorded Size/Type of utility was FOUND

There WERE

additional utilities in the test hole

The utility was

in good condition

Paving Thickness and type 5" ASP / 5" BRK / 6" CONC

Color of ribbon installed **ORANGE**

Soil Type SAND & DEBRIS

Field Condition HEAVY RD. TRAFFIC

T.H. tied to MAG NAIL

R.P.C. SHEATH OVER (2) TERRA COTTA TELE. DUCTS *

Size/Material/Type Portion of pipe exposed for O.D. measurement:

Remarks: * CREW ALSO FOUND A 13" C.I. WATER LINE RUNNING PARALLEL TO THE (2) TELE. DUCTS. THE CREW COULD NOT OBTAIN AN ACCURATE WIDTH DUE TO CONCRETE, DEBRIS AND THE TELE. VAULT DIRECTLY ADJACENT TO THE TEST HOLE. NOTE: THE TELE. DUCTS CONTAINS FIBER OPTICS AT THIS LOCATION.

Existing Grade of ASPHALT RDWY Survey Mark MAG NAIL ∟ €lev .677.52' (set by So-Deep) Facing /// \\\ SOUTHEAST Actual field measurement 3.46 by ruler (not calculated) Surveyed Elev. 674.05' Top Util/Struc. 6.23 DETAIL Α Surveyed Elev. 671.31' Bott. Util/Struc. (if required) Width ±

TOP#2 ELEV. 671.13 **ACTUAL** 6.39

MAG NAIL DETAIL SET HERE 1.54 1.63'+ TOP UTIL. R.P.C. SHEATH CONC. & DEBRIS FROM ADJACENT M.H. ŤEĹĖ DUCT. DUÇŢ T0P#2-BOTT. BROKEN UP UTIL CUNC 13" WATER INE FACING SOUTHEAST

147H EAST 4.7 т́мн TH 21 666016.1 2193657.9 &c9hc ф HM₂ 0 Sewer Manhole .08' = 1' .16' = 2" Test Hole þ Fire Hydrant Pole .33' = 4" .42' = 5" (E) Electric Manhole .58' = 7" .67' = 8* = T.S. = Traverse Station

.75' = 9"

.83' = 10"

.92' = 11"

TH DUG 81.7'± LT OF PROPOSED CL STA 11+97.9±, EAST 14TH STREET

Rights of Way R/W Terra Cotta N.T.S. Not to Scale PLAS. Plastic Not Shown on Plan BL Base Line PCC Precast Concrete Electric COND. Conduit TELE Telephone CONC Concrete T.H. Test Hole O.D Outside Diameter SW Sidewalk C.I. Cast Iron DW Driveway Ductile Iron BM Benchmark RPC Rough Pour Concrete C.B. Catch Basin CI Centerline Gas Valve

Performing out-of-sight work…with vision!™ Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all din 20 on logarithms and review all elevations carefully. So-Deep is responsible only for information shown on our forms Δ Valve

(1) Telephone Manhole Telephone Pedestal



4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form **Utility Quality Level A Data**

ASCE C/I 38-02

City, County, State CUYAHOGA CO., OHIO
Gen. Loc. BROADWAY AVE., 740'± SE OF E. 14TH ST.
Recorded Size/Material/Type (3) 6-WAY TERRA COTTA (AT&T) TELE. DUCTS

B.M. 1 Elev. = 680.62

is GIVEN

B.M. 2 Elev. = 683.10 is CALCULATED

Benchmarks Checkby 0.02

for O.D. measurement:

Condition of paving prior to work NO PAVING

Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Width ± 1.0'+

Description: (MNC234) TOP OF I.P. IN MON. BOX FOUND, 9'± RT OF PROPOSED CL STA 14+24±, BROADWAY AVE.

Description: CHIS "X" TOP RIM T.M.H., 22'± RT OF PROPOSED

SL STA 9+81±, BROADWAY AVE.

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

GRADE CHANGE

L €10∨ .683.78'

FEBRUARY 16, 2010

So-Deep Corporate Office

EJQC311

1"=20"

208

Manassas Park, VA 20111

8397 Euclid Avenue

(703) 361-6005

Test Hole # 27

Existing Grade of GRASS R/W

Control #

Plan Scale

Sheet #

Date

Proposed

Elevations are referenced to B.M.#1 Recorded Size/Type of utility was FOUND There WERE NOT additional utilities in the test hole Facing The utility was in good condition SOUTHEAST Paving Thickness and type NO PAVING Color of ribbon installed **ORANGE** Soil Type SAND & DEBRIS Field Condition GRASS R/W SEE T.H. tied to PEG DETAIL Α R.P.C. SHEATH OVER (3) TERRA COTTA TELE. DUCTS * Size/Material/Type Portion of pipe exposed

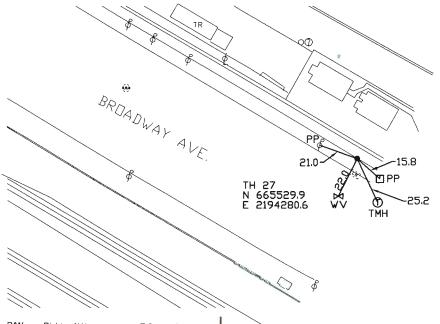
Actual field measurement 2.97 by ruler (not calculated) Surveyed Elev. 680.79' Top Util/Struc 6.17 Surveyed Elev. 677.58' Bott. Util/Struc. (if required)

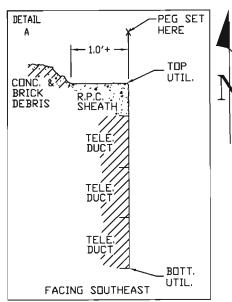
Remarks: * CREW COULD NOT OBTAIN AN ACCURATE WIDTH DUE TO CONCRETE AND BRICK DEBRIS IN THE TEST HOLE. NOTE: THE TELE. DUCT CONTAINS FIBER OPTICS AT THIS LOCATION.

TH DUG 36.2'± RT OF PROPOSED CL STA 10+02.5±, BROADWAY AVENUE

Survey Mark

(set by So-Deep)





Rights of Way Terra Cotta N.T.S. Not to Scale PLAS. Plastic Not Shown on Plan Base Line PCC Precast Concrete ELEC. Electric COND. Conduit TFLF Telephone CONC Concrete Test Hole O.D. Outside Diameter SW Sidewalk Cast Iron DW Driveway ÐΙ Ductile Iron вм Benchmari RPC Rough Pour Concrete C.B. Catch Basin

GV

Centerline

Performing out-of-sight work…with vision!™

Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions one the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

.08' = 1' .16' = 2" .25' = 3" .33' = 4" .42'=- 5" .50° = 6" .67' = 8" .83' = 10' .92' -

Sewer Manhole Test Hole Fire Hydrant Pole -×--× Fence Line Ē Δ M Valve ⊗

Electric Manhole - T.S. - Traverse Station Water Meter

Telephone Manhole Telephone Pedestal



4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Condition of paving prior to work CONC. SIDEWALK POOR CONDITION

So-Deep Corporate Office 8397 Euclid Avenue

Manassas Park, VA 20111 (703) 361-6005

EJQC311 Control # 31 Test Hole # 1"=20

Plan Scale

164 Sheet # I-90 OVERPASS Proposed FEBRUARY 5, 2010 Date

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

City, County, State CUYAHOGA CO., OHIO Gen. Loc. ONTARIO ST., JUST EAST OF CARNEGIE AVE. Recorded Size/Material/Type 8" STEEL (D.E.O.) GAS LINE Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

B.M. 1 Elev. = 669.46 IS CALCULATED

B.M. 2 Elev. = 671.70'

is **CALCULATED**

Benchmarks Checkby 0.01'

Description: CHIS "X" SET NW MOST BASE BOLT OF O.H. SIGN, 12'± RT OF PROPOSED CL STA 28+04±, ONTARIO ST.

RT OF PROPOSED CL STA 28+52±, ONTARIO ST.

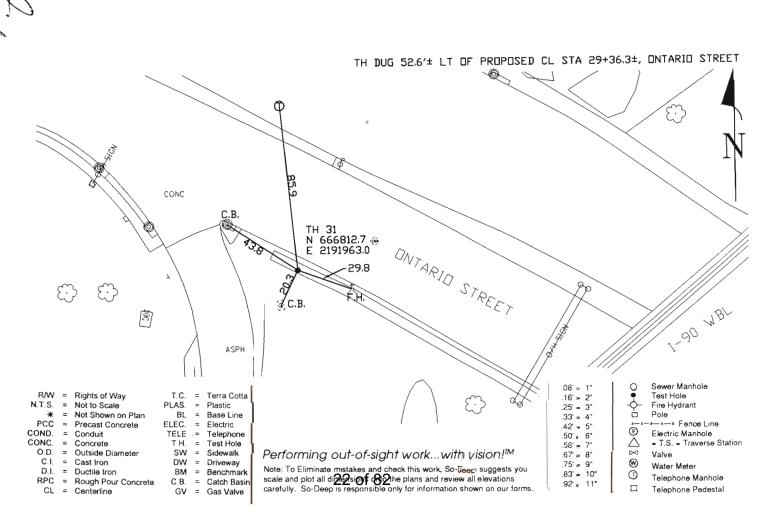
Description: (VAULT #17) CHIS "X" SET TOP RIM T.M.H., 15'±

Elevations are referenced to B.M.#1

Existing Grade of CONC. SW Recorded Size/Type of utility was FOUND CHIS "X" Survey Mark There WERE NOT additional utilities in the test hole L €18∨ .668.57 (set by So-Deep) Facing /// \\\ The utility was in good condition SOUTHEAST Paving Thickness and type 4" CONCRETE Actual field measurement 1.75 by ruler (not calculated) Color of ribbon installed YELLOW Surveyed Elev. 666.83' Soil Type sand Top Util/Struc Field Condition CONC. SIDEWALK T.H. tied to CHIS "X" Surveyed Elev. 8 3/4" WRAPPED STEEL GAS LINE Bott. Util/Struc. Size/Material/Type (if required)

Width +

Portion of pipe exposed for O.D. measurement: **FULL**





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Recorded Size/Material/Type 8" STEEL (D.E.O.) GAS LINE Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Description: (VAULT #17) CHIS "X" SET TOP RIM T.M.H., 15'± RT OF PROPOSED CL STA 28+52±, ONTARIO ST.

Description: CHIS "X" SET NW MOST BASE BOLT OF O.H.

SIGN, 12'± RT OF PROPOSED CL STA 28+04±, ONTARIO ST.

Condition of paving prior to work CONC. SIDEWALK POOR CONDITION

EJQC311 Control #

Manassas Park, VA 20111

8397 Euclid Avenue

Test Hole # 32 1"=20 Plan Scale Sheet #

(703) 361-6005

I-90 OVERPASS Proposed **FEBRUARY 5, 2010** Date

So-Deep Corporate Office

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

B.M. 1 Elev. = 669.46

IS CALCULATED

B.M. 2 Elev. = 671.70'

is **CALCULATED**

Benchmarks CheckBY 0.01'

Elevations are referenced to B.M.#1

Recorded Size/Type of utility was FOUND

City, County, State CUYAHOGA CO., OHIO

Gen. Loc. E.B. ONTARIO ST. @ I-90 OVERPASS

There WERE NOT additional utilities in the test hole

The utility was in good condition

Paving Thickness and type 4" CONCRETE

Color of ribbon installed YELLOW

Soil Type SAND

Field Condition CONC. SIDEWALK

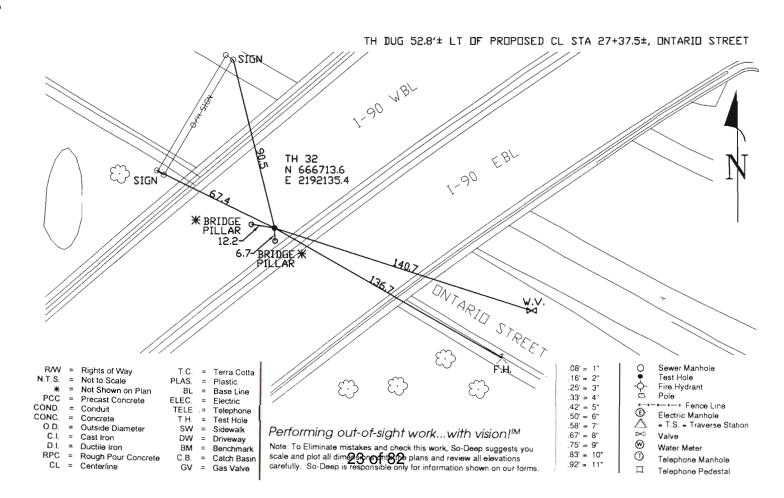
T.H. tied to CHIS "X"

8 3/4" WRAPPED STEEL GAS LINE

Size/Material/Type Portion of pipe exposed for O.D. measurement: FULL

Remarks: NONE

Existing Grade of CONC. SW Survey Mark CHIS "X" ∟Elev .670.07 (set by So-Deep) Facing SOUTHEAST /// \\\ Actual field measurement 2.02 by ruler (not calculated) Surveyed Elev 668.05' Top Util/Struc. Surveyed Elev. Bott. Util/Struc. (if required) Width +





4650 Paragon Park Road Raleigh, NC 27616 (919) 878-7466

Test Hole Certification Form **Utility Quality Level A Data**

ASCE C/I 38-02

Condition of paving prior to work ASPHALT ROWY IN GOOD CONDITION

City, County, State cuyanoga co., onio Gen. Loc. INTR. BROADWAY AVE. & CARNEGIE AVE. Recorded Size/Material/Type 8-way TERRA COTTA (AT&T) TELE. DUCT Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

B.M. 1 Elev. = 669.21 IS CALCULATED

B.M. 2 Elev. = 668.80°

Description: CHIS "X" SET NW BONNET BOLT OF F.H., 66'± LT OF PROPOSED CL STA 15+98±, CARNEGIE AVE.

is CALCULATED

Description: CHIS "X" TOP RIM T.M.H., 37'± RT OF PROPOSED CL STA 18+23±, CARNEGIE AVE.

Benchmarks Checkby 0.00' Elevations are referenced to B.M.#1

Size/Material/Type

ĎΙ

RPC

Ductile Iron

Centerline

Rough Pour Concrete

ВМ

GV

Benchmark

Catch Basin

Gas Valve

Portion of pipe exposed for O.D. measurement:

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

GRADE CHANGE

FEBRUARY 15, 2010

So-Deep Corporate Office

EJQC311

8397 Euclid Avenue

(703) 361-6005

Test Hole # 33

Control #

Plan Scale

Sheet #

Date

Proposed

Manassas Park, VA 20111

1"=20

164

Bott. Util/Struc.

Water Meter

Telephone Manhole

Telephone Pedestal

(M)

.83' = 10"

(if required)

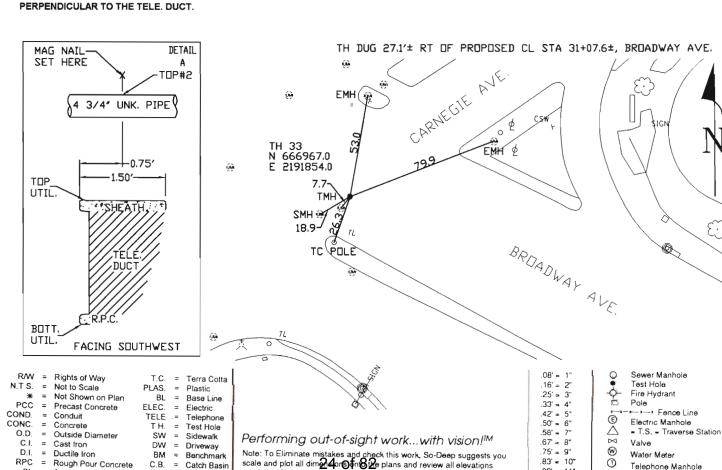
Existing Grade of ASPHALT RDWY Recorded Size/Type of utility was FOUND Survey Mark MAG NAIL There **WERE** additional utilities in the test hole └ Eliev .668.81' (set by So-Deep) Facing The utility was in good condition /// \\\ SOUTHWEST /// \\\ Paving Thickness and type 6" ASP. / 7" CONC. Actual field measurement Color of ribbon installed **ORANGE** 4.79 by ruler (not calculated) Soil Type SAND & DEBRIS Surveyed Elev. 664.03' Top Util/Struc Field Condition HEAVY RD. TRAFFIC SEE T.H. tied to MAG NAIL 6.92 DETAIL Α Surveyed Elev. 661.86' SEE REMARKS *

Remarks: * 2.17' H. X 1.50' W. ROUGH POUR CONCRETE SHEATH / TERRRA COTTA (AT&T) TELE. DUCT. CREW ALSO FOUND 4 3/4" CORRODED METALLIC UNKNOWN FUNCTION PIPE RUNNING ABOVE &

ELEV. 666.24 **ACTUAL** 2.55

TOP#2

Width ±

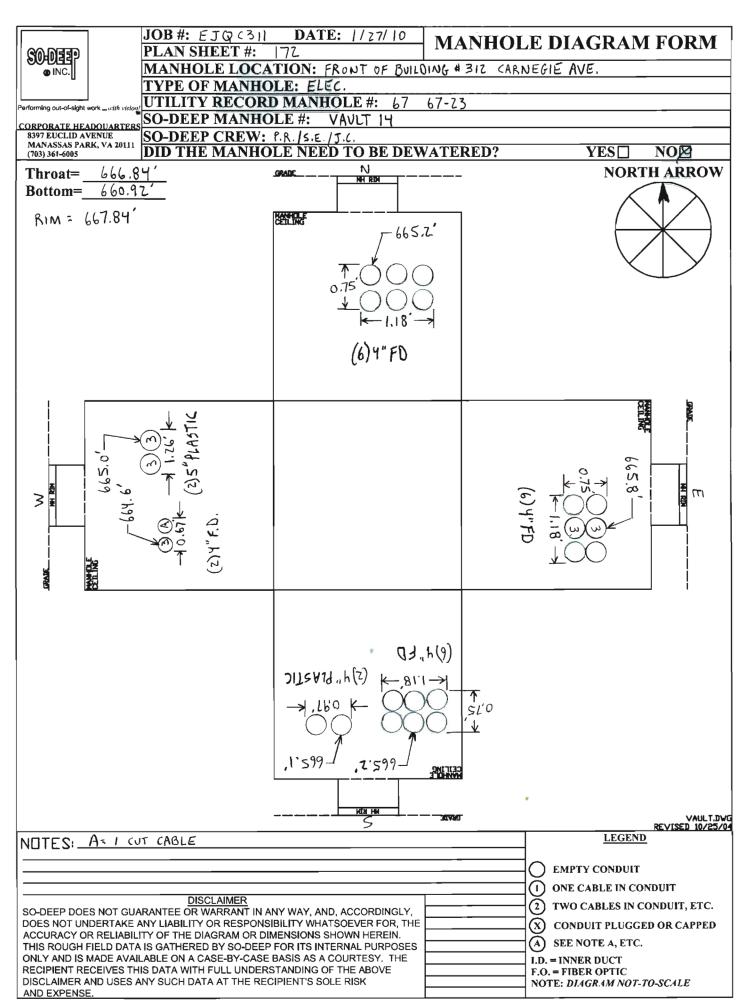


carefully. So-Deep is responsible only for information shown on our forms.

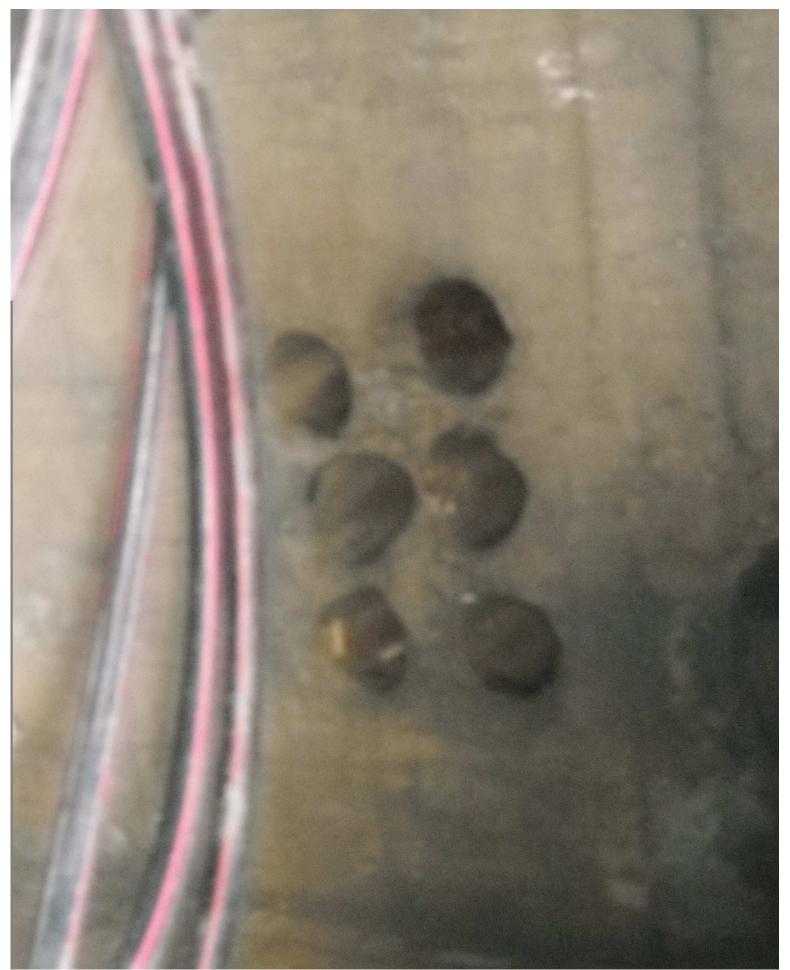
60 DEED	JOB #: EJQC311 DATE: 1/27/10 MANHOLE D			LE DIAGRAM FORM	
SO-DEE	MANHOLE LOCATION: CARNEGIE AVE. N. OF BROAD WAY AVE.				
TYPE OF MANHOLE: TELE.					
Performing out-of-sight work with vision! UTILITY RECORD MANHOLE #: No #					
CORPORATE HEADQUARTERS SO-DEEP MANHOLE #: VAULT 11					
8397 EUCLID AVENUE MANASSAS PARK, VA 20111 (703) 361-6005 SO-DEEP CREW: R.R. S.E. J.C. DID THE MANHOLE NEED TO BE DEWATERED? YES NO					
Throat= 666.99 Bottom= 663.3		GRADE NH RDN		NORTH ARROW	
	<u></u>				
RIM= 669.59'		CEILING			
		-665.Z´		$\langle \cdot \mid \cdot \rangle$	
		1			
		665.3			
		TOO OF	<u></u>		
	(4) 21/4 "PLASTIC	0.5	0.5' (4) 21/4" f	PLASTIC	
	•	TOO) <u> </u>		
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		- S'O F - S'O	<u></u>		
	7115419" N'S (4)		'8'0 SITZ	y , 1/2 (h)	
	11254 10 , 712 (1)		<u></u>		
		2:599			
		,0'599-			
			CETLING		
		HITE HATE	348	VAULT.DVG	
NOTES: A= FIESER OPTIC CABLE WITH TRACE WIRE				VAULT.DVG	
THE LOCATION OF THE PARTY OF TH					
				EMPTY CONDUIT	
DISCLAIMER				ONE CABLE IN CONDUIT	
SO-DEEP DOES NOT GUARANTEE OR WARRANT IN ANY WAY, AND, ACCORDINGLY, DOES NOT UNDERTAKE ANY LIABILITY OR RESPONSIBILITY WHATSOEVER FOR, THE				2 TWO CABLES IN CONDUIT, ETC.	
ACCURACY OR RELIABILITY OF THE DIAGRAM OR DIMENSIONS SHOWN HEREIN.				(X) CONDUIT PLUGGED OR CAPPED (A) SEE NOTE A, ETC.	
THIS ROUGH FIELD DATA IS GATHERED BY SO-DEEP FOR ITS INTERNAL PURPOSES ONLY AND IS MADE AVAILABLE ON A CASE-BY-CASE BASIS AS A COURTESY. THE				I.D. = INNER DUCT	
RECIPIENT RECEIVES THIS DATA WITH FULL UNDERSTANDING OF THE ABOVE DISCLAIMER AND USES ANY SUCH DATA AT THE RECIPIENT'S SOLE RISK				F.O. = FIBER OPTIC NOTE: DIAGRAM NOT-TO-SCALE	
AND EXPENSE.					











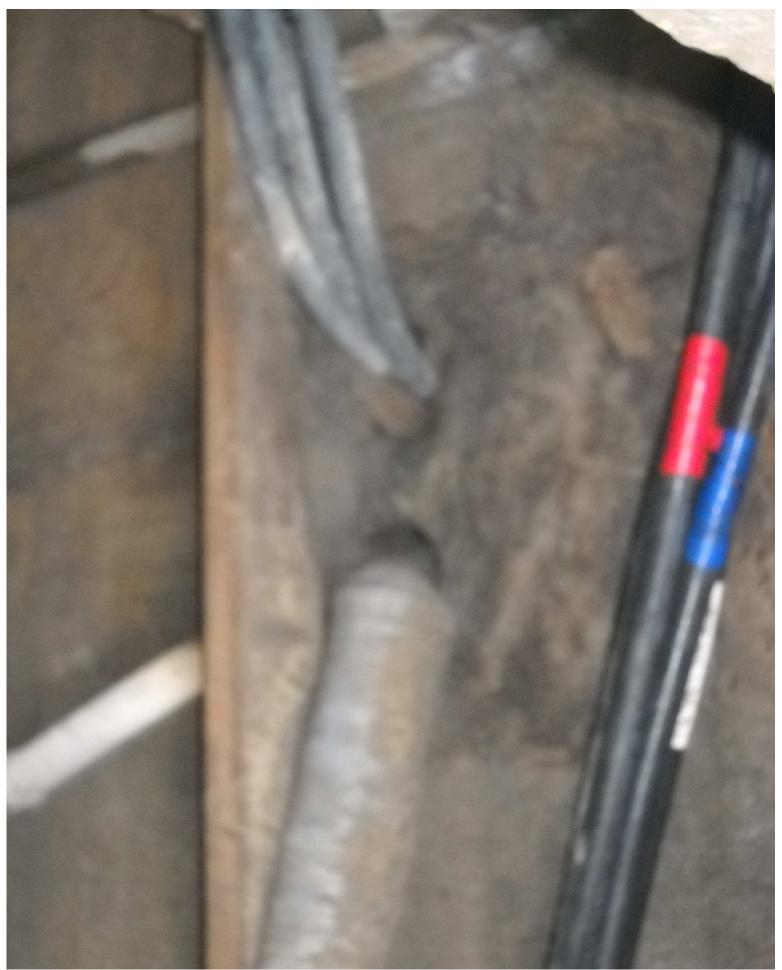
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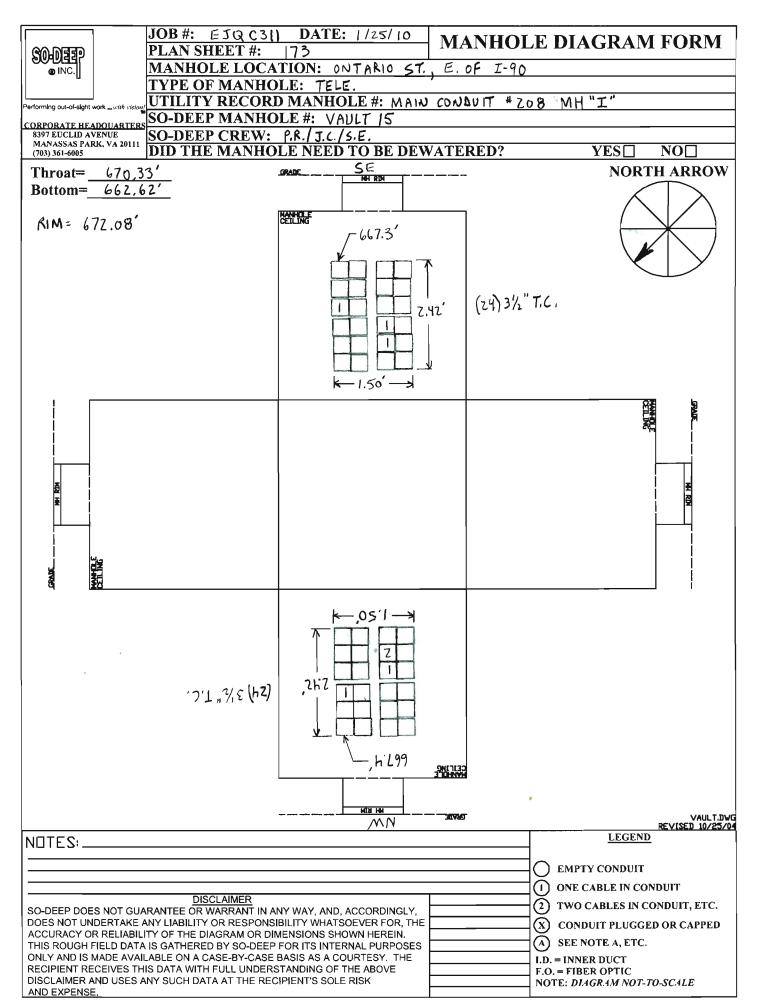


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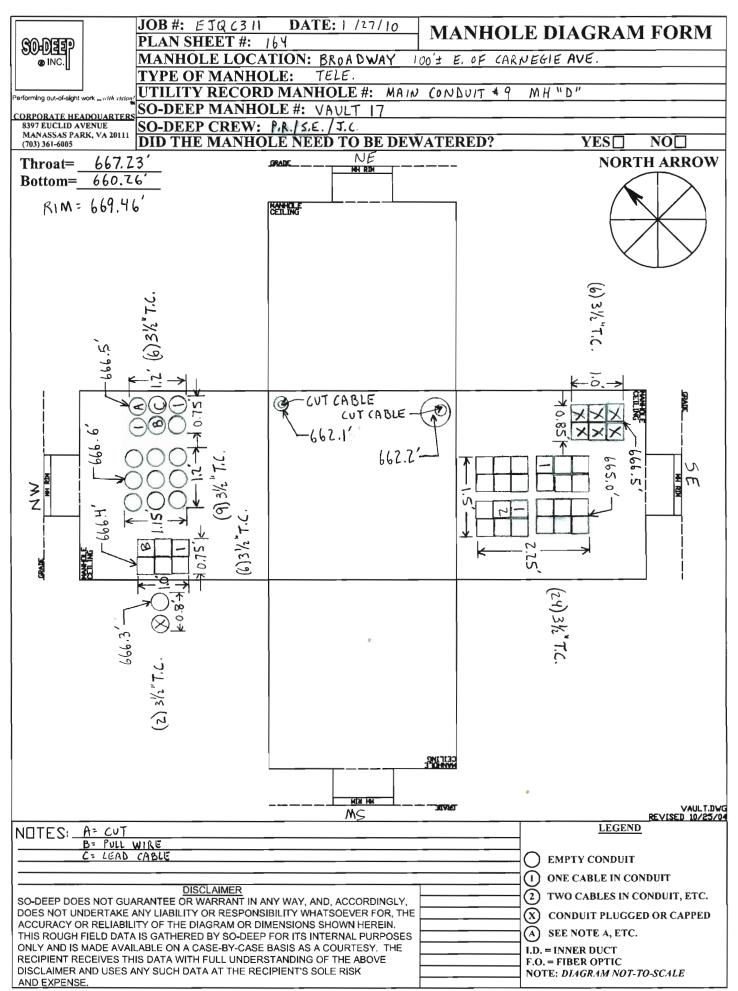








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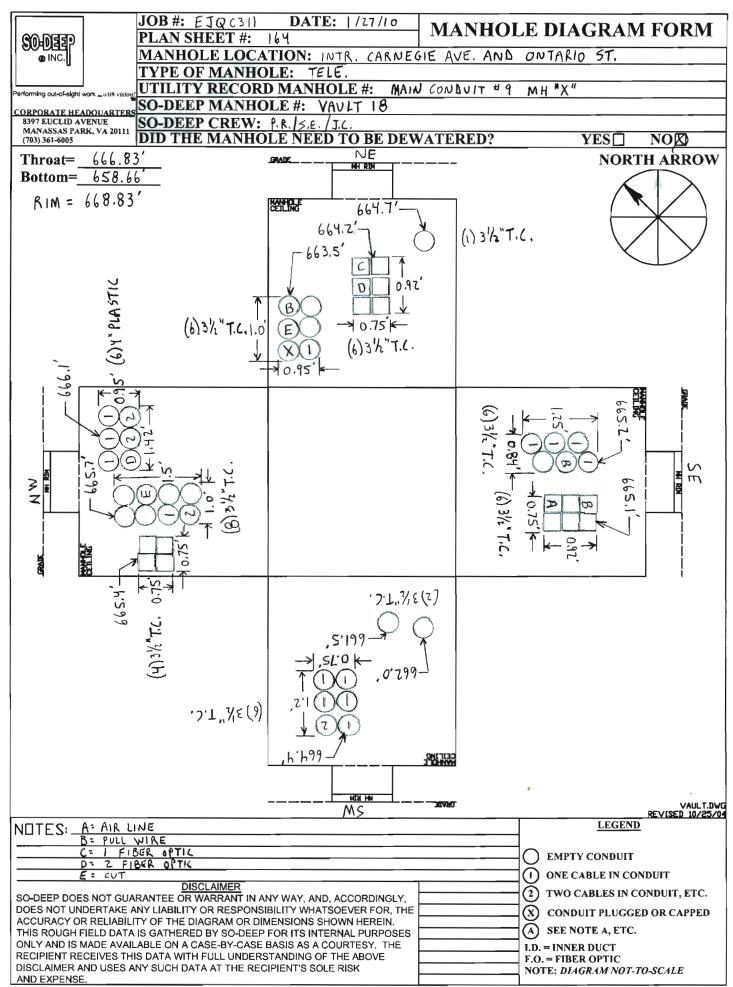
38 of 82



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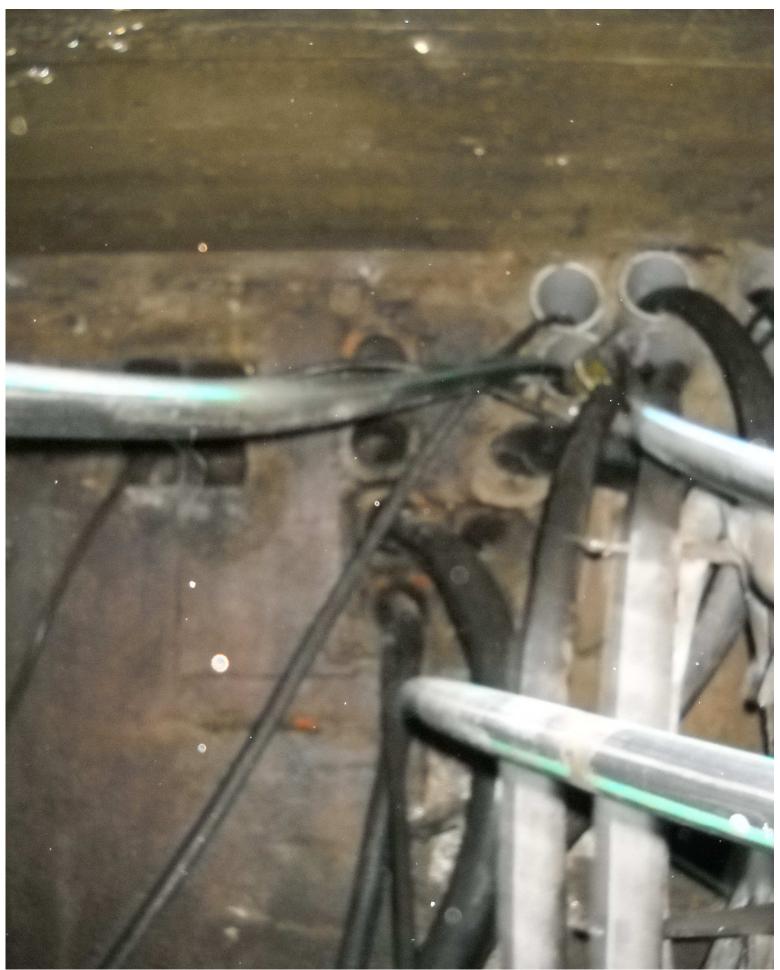
42 of 82



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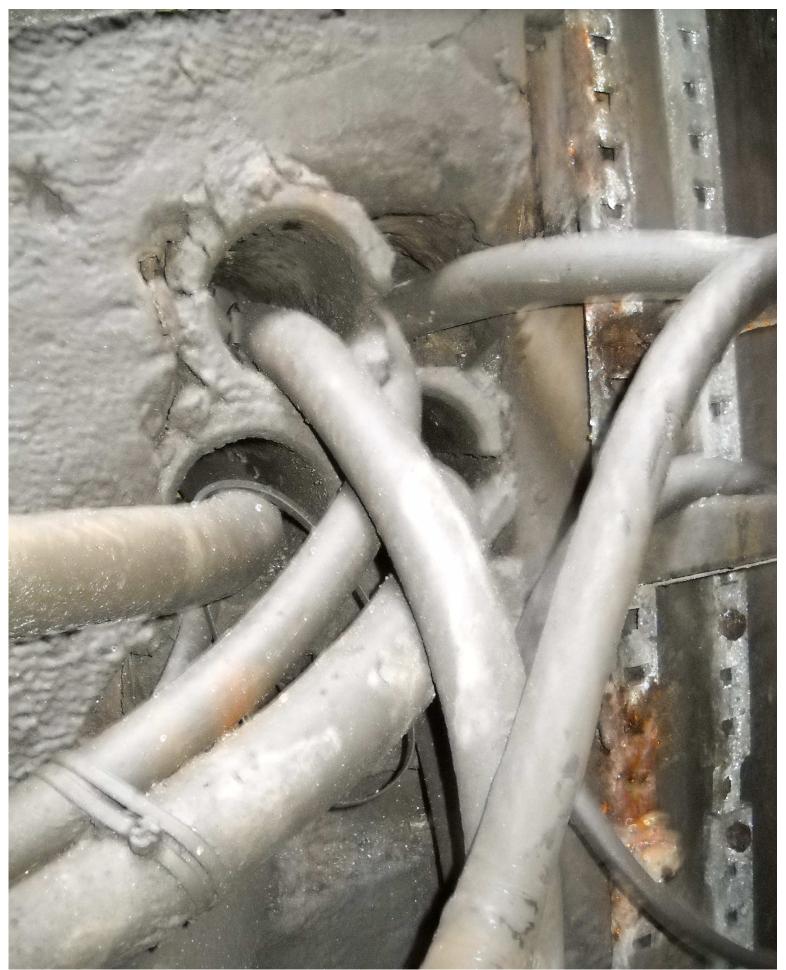
44 of 82



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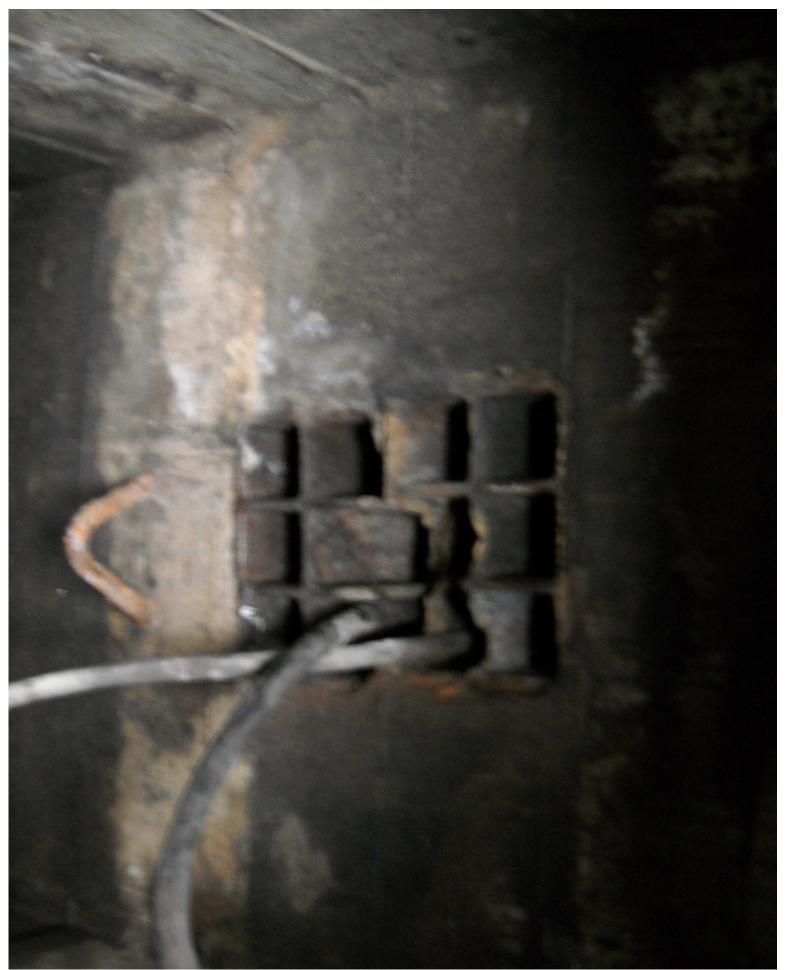


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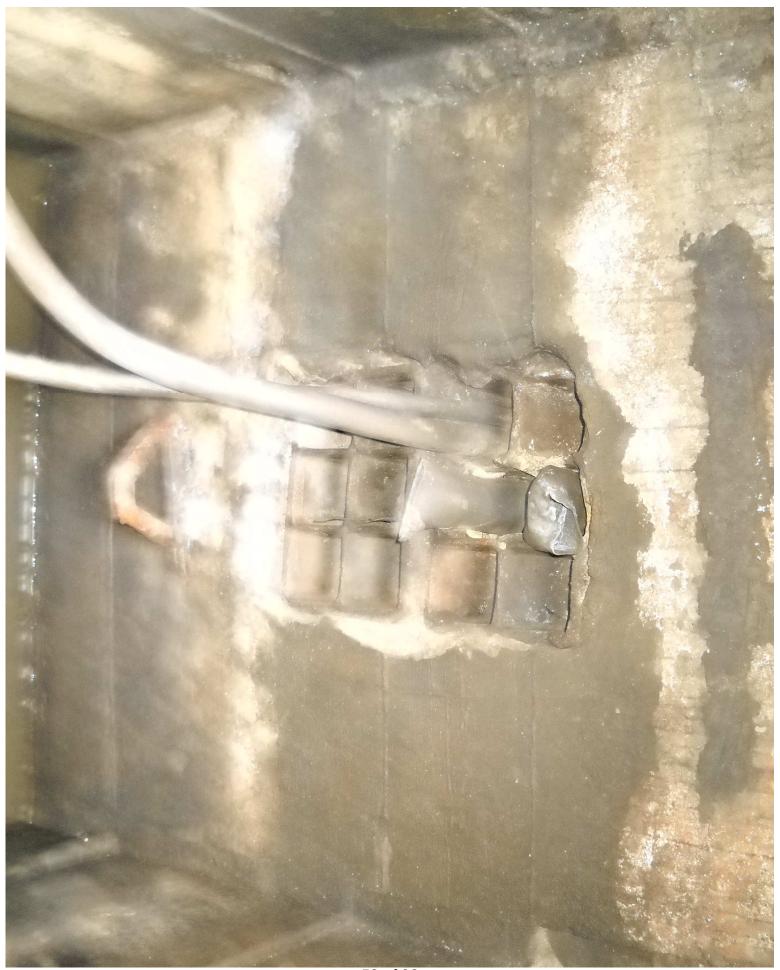


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JOB #: EJQ C311 PLAN SHEET #:	DATE: /25/10 M	ANHOLE DIAGRAM FORM				
MANHOLE LOCA	TION: INTR. BRUADWAY	AND E. 14 th ST.				
TYPE OF MANHOLE: TELE. Performing out-of-skylt work as with vision! UTILITY RECORD MANHOLE #: MAIN CONQUIT *10 MH "C"						
CORPORATE HEADOUARTERS SO-DEEP MANHOLE #: VAULT 22						
8397 EUCLID AVENUE MANASSAS PARK, VA 20111 (703) 361-6005 SO-DEEP CREW: DID THE MANHO	º.R./ J.C./≾.E. LE NEED TO BE DEWATI	ERED? YES□ NO⊠				
Throat= 675.33'	GRADE NH RDH	_ NORTH ARROW				
Bottom= 669.94'						
RIM= 677.59'	KANHOLE CEILING					
	<u></u>					
	1.50					
	(12) 3½ °T.(.					
	(12) 3/2 1.2.					
(a) 1-		PM 133				
0.5 (5)						
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64 <u>1≨5</u>		i i				
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	V V					
	,ε.εΓ3 —					
	SNITE SNITE	30				
	NOR HISTORY	VAULT.DWG REVISED 10/25/04				
NOTES: VAULT IN POOR CONDITION		LEGEND				
A= CUT B= WIRE		EMPTY CONDUIT				
DISCLAIMER	ONE CABLE IN CONDUIT					
SO-DEEP DOES NOT GUARANTEE OR WARRANT IN A DOES NOT UNDERTAKE ANY LIABILITY OR RESPONS	2 TWO CABLES IN CONDUIT, ETC.					
ACCURACY OR RELIABILITY OF THE DIAGRAM OR DII THIS ROUGH FIELD DATA IS GATHERED BY SO-DEEP	(A) SEE NOTE A, ETC.					
ONLY AND IS MADE AVAILABLE ON A CASE-BY-CASE RECIPIENT RECEIVES THIS DATA WITH FULL UNDERS	BASIS AS A COURTESY. THE	I,D. = INNER DUCT				
DISCLAIMER AND USES ANY SUCH DATA AT THE REC AND EXPENSE.		F.O. = FIBER OPTIC NOTE: DIAGRAM NOT-TO-SCALE				



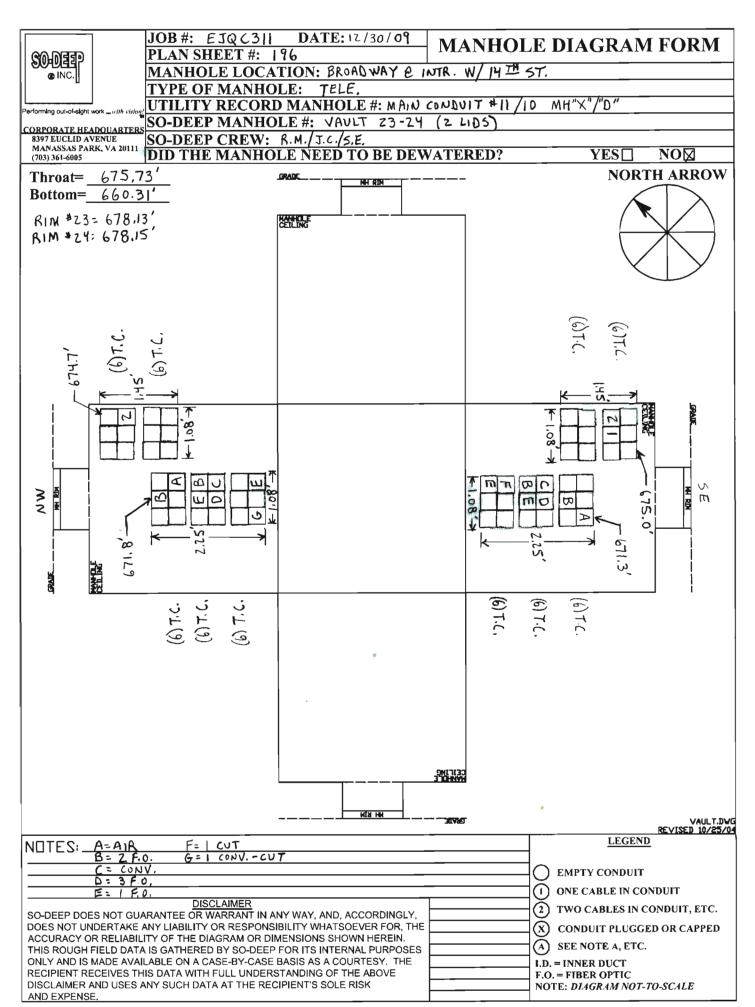
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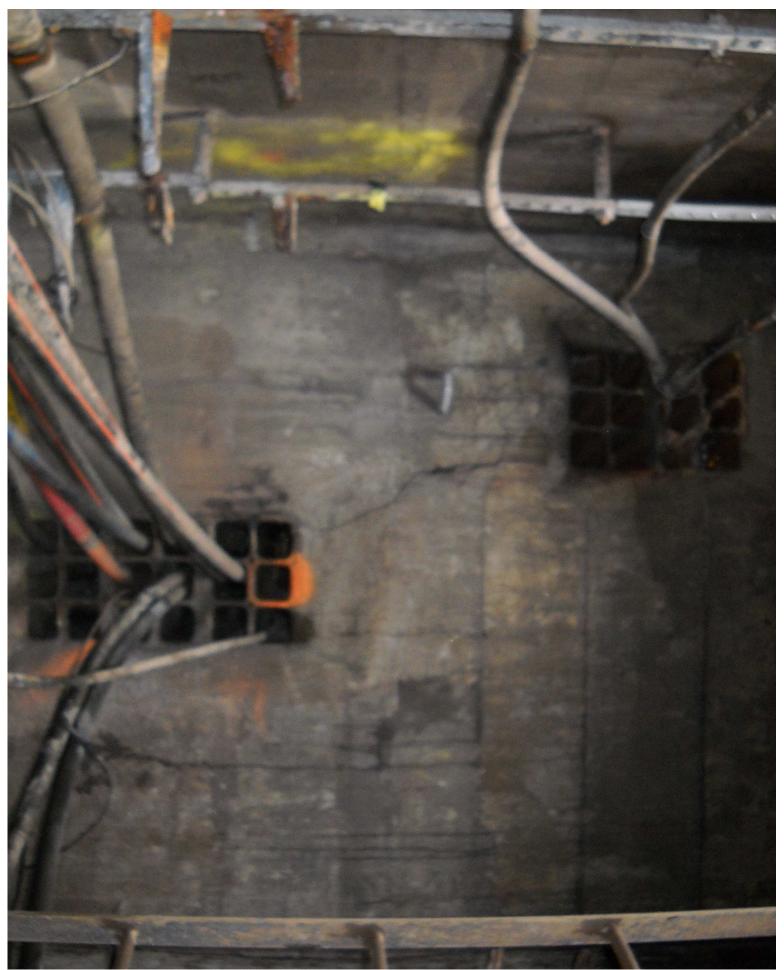


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	JOB#: EIQ (311	DATE: 1/25/10					
രഹരദദം	PLAN SHEET #:	196	MANHOLE	DIAGRAM FORM			
® INC.	MANUAL ELOCATION. 22 add. AV. C. at C. III TH. CT.						
TYPE OF MANHOLE: TELE.							
Performing out-of-sight work with vis	Performing out-of-sight work with vision UTILITY RECORD MANHOLE #: MAIN CONDUIT # // MH "E"						
CORPORATE HEADQUARTE 8397 EUCLID AVENUE	SO-DEEP MANHO	LE #: VAULT 25 P.R. / J.C. / S.E.					
MANASSAS PARK, VA 2011 (703) 361-6005	SO-DEEP CREW: DID THE MANHO		VATERED?	YES NO			
Throat= 677.		GRADE NW		NORTH ARROW			
Bottom= 671.		MH RIN					
RIM = 680.00		WANTE F					
KIM = 600.0	1	SELLING TO 676		\longrightarrow			
		1.17	(8) 3½" T.C.				
		1.25	674.7				
		1					
		1,50	2 (12)3%"T.C.				
		<u>* </u>	<u> </u>				
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	,0.919-	1.969-					
		,,,,,,,	CEILING HANDOL				
			3 10 100				
		35		VAULT.DWG REVISED 10/25/04			
NOTES:				LEGEND			
				EMPTY CONDUIT			
				ONE CABLE IN CONDUIT			
SO-DEEP DOES NOT G	<u>DISCLAIMER</u> UARANTEE OR WARRANT IN A	NY WAY, AND, ACCORDINGLY.	<u> </u>	TWO CABLES IN CONDUIT, ETC.			
DOES NOT UNDERTAK		BILITY WHATSOEVER FOR, THE	\bigcirc	CONDUIT PLUGGED OR CAPPED			
THIS ROUGH FIELD DA	TA IS GATHERED BY SO-DEEP	FOR ITS INTERNAL PURPOSES	(A)	SEE NOTE A, ETC.			
	'AILABLE ON A CASE-BY-CASE THIS DATA WITH FULL UNDERS			= INNER DUCT .= FIBER OPTIC			
DISCLAIMER AND USES AND EXPENSE.	S ANY SUCH DATA AT THE REC	IPIENT'S SOLE RISK		TE: DIAGRAM NOT-TO-SCALE			



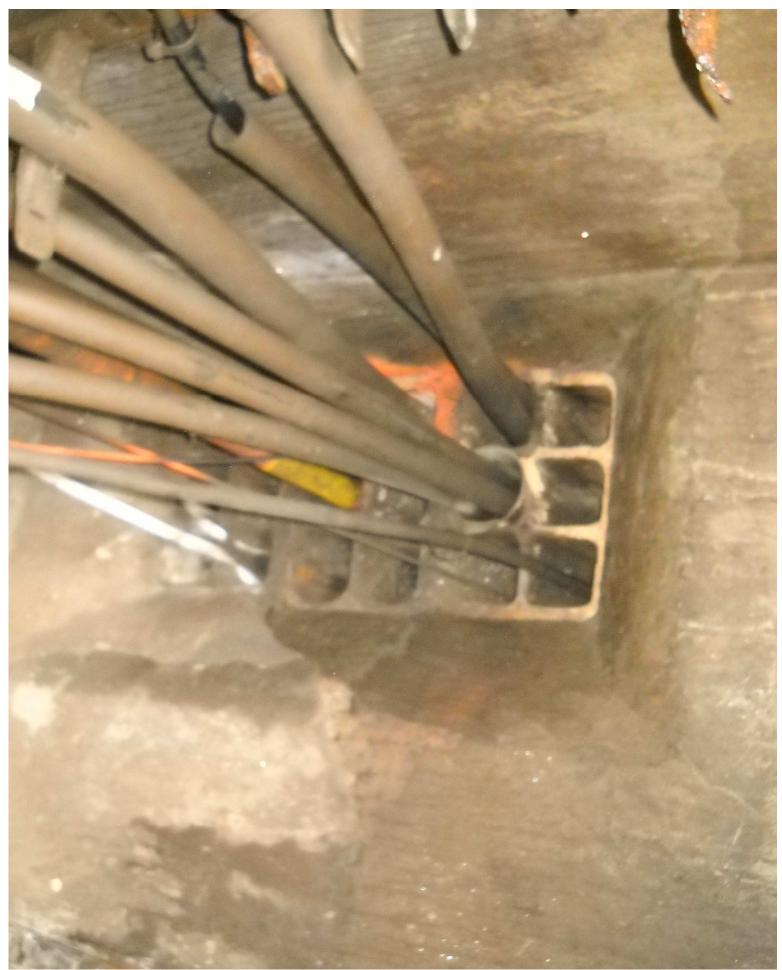
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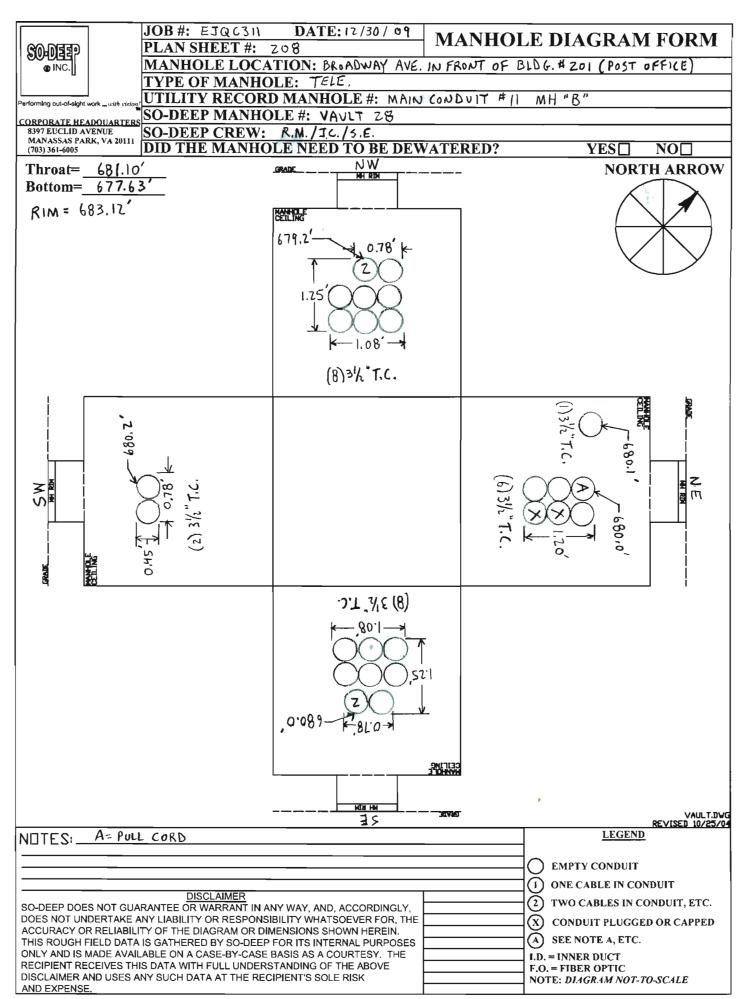
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	#: EJQC3 DATE: 1/25/	MANHOL	E DIAGRAM FORM
ø INC. MAN	HOLE LOCATION: BROADWA	Y, SE OF E. 1475	۲.
TYPE	OF MANHOLE: TELE.	11 N 11 C = 12 N 11 17 11	NA 11 ##1 #
Performing out-of-sight work with vision!	ITY RECORD MANHOLE #: EEP MANHOLE #: VAULT Z	MAIN CONDUIT II	MH "H"
8397 EUCLID AVENUE SO-D	EEP CREW: P.R. / J.C. / S.E.		
(703) 361-6005 D1D J		DEWATERED?	YES□ NO⊠
Throat= 678.01'	GRADE NW	⊣	NORTH ARROW
Bottom= 672.05'			$\langle \cdot \rangle$
RIM = 680.11'	CEILING		
	675.9′-	<i>_</i>],	
		A C (18) 3%"	т.с.
	2.0		
		K-1.0'-4	
			
			2
		88	
	,0.7	1 77.7%	(81)
	,0.915		
	L	CETTING WANTE	
		_	
	35		VAULT.DWG
NOTES: A AIR LINE			<u>LEGEND</u>
C= 2 FO D= 3 FO			○ EMPTY CONDUIT
	DISCLAIMER		ONE CABLE IN CONDUIT
	OR WARRANT IN ANY WAY, AND, ACCORDI		2 TWO CABLES IN CONDUIT, ETC.
ACCURACY OR RELIABILITY OF TH	LITY OR RESPONSIBILITY WHATSOEVER FO HE DIAGRAM OR DIMENSIONS SHOWN HERE	EIN.	(X) CONDUIT PLUGGED OR CAPPED (A) SEE NOTE A, ETC.
ONLY AND IS MADE AVAILABLE OF	ERED BY SO-DEEP FOR ITS INTERNAL PUR I A CASE-BY-CASE BASIS AS A COURTESY.	THE	I.D. = INNER DUCT
	NITH FULL UNDERSTANDING OF THE ABOV I DATA AT THE RECIPIENT'S SOLE RISK		F.O. = FIBER OPTIC NOTE: DIAGRAM NOT-TO-SCALE





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64 of 82



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66 of 82



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JOB#: EJQ(311	DATE: 12/30/09	T	
PLAN SHEET #:		MANHO	LE DIAGRAM FORM
	ATION: GRAVEL LOT	'	
	DLE: TELE. (MCI)		
Performing out-of-sight work with vision! UTLITY RECOR	D MANHOLE #: MH	#32 DRAWIN	G # 0H044323
8397 ELICLID AVENUE SO DEED CDEW.	PMITILE		
MANASSAS PARK, VA 20111 (703) 361-6005 DID THE MANH	DLE NEED TO BE DEV	WATERED?	YES□ NO⊠
Throat=	GRADE NH RIN		NORTH ARROW
Bottom=			
RIM = 672.44'	HANNEL E CEILING		
	outer 1		
			ρία la
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<u>電</u>			
			<u> </u>
وريا ل			
	,		
		CETITING	
	MIN KIN	— — 107 25	* VAULT.DWG
NETTER NO MH CAVER SINE ME	VIRT		REVISED 10/25/04
NOTES: NO MH COVER, FULL OF I	411.1		
			EMPTY CONDUIT
DISCLAIMED			ONE CABLE IN CONDUIT
SO-DEEP DOES NOT GUARANTEE OR WARRANT IN ANY WAY, AND, ACCORDINGLY,			2 TWO CABLES IN CONDUIT, ETC.
DOES NOT UNDERTAKE ANY LIABILITY OR RESPONSIBILITY WHATSOEVER FOR, THE ACCURACY OR RELIABILITY OF THE DIAGRAM OR DIMENSIONS SHOWN HEREIN.			(X) CONDUIT PLUGGED OR CAPPED
THIS ROUGH FIELD DATA IS GATHERED BY SO-DEEP FOR ITS INTERNAL PURPOSES ONLY AND IS MADE AVAILABLE ON A CASE-BY-CASE BASIS AS A COURTESY. THE			(A) SEE NOTE A, ETC. I.D. = INNER DUCT
RECIPIENT RECEIVES THIS DATA WITH FULL UNDER DISCLAIMER AND USES ANY SUCH DATA AT THE RE	STANDING OF THE ABOVE		F.O. = FIBER OPTIC
AND EXPENSE.	CIFIENT 9 SOLE KISK		NOTE: DIAGRAM NOT-TO-SCALE



