



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **1**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **MARCH 4, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE 29, W SIDE OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **18 WAY PRE-CAST CONC F.O. VERIZON DUCT**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION**

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.

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 **NO PAVING**

Color of ribbon installed **ORANGE**

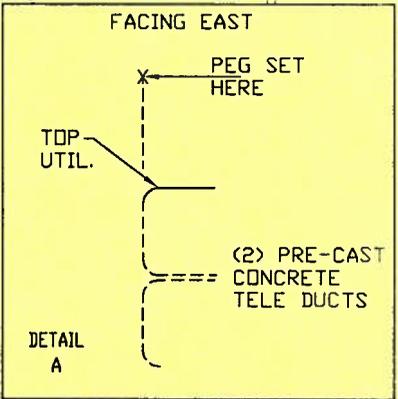
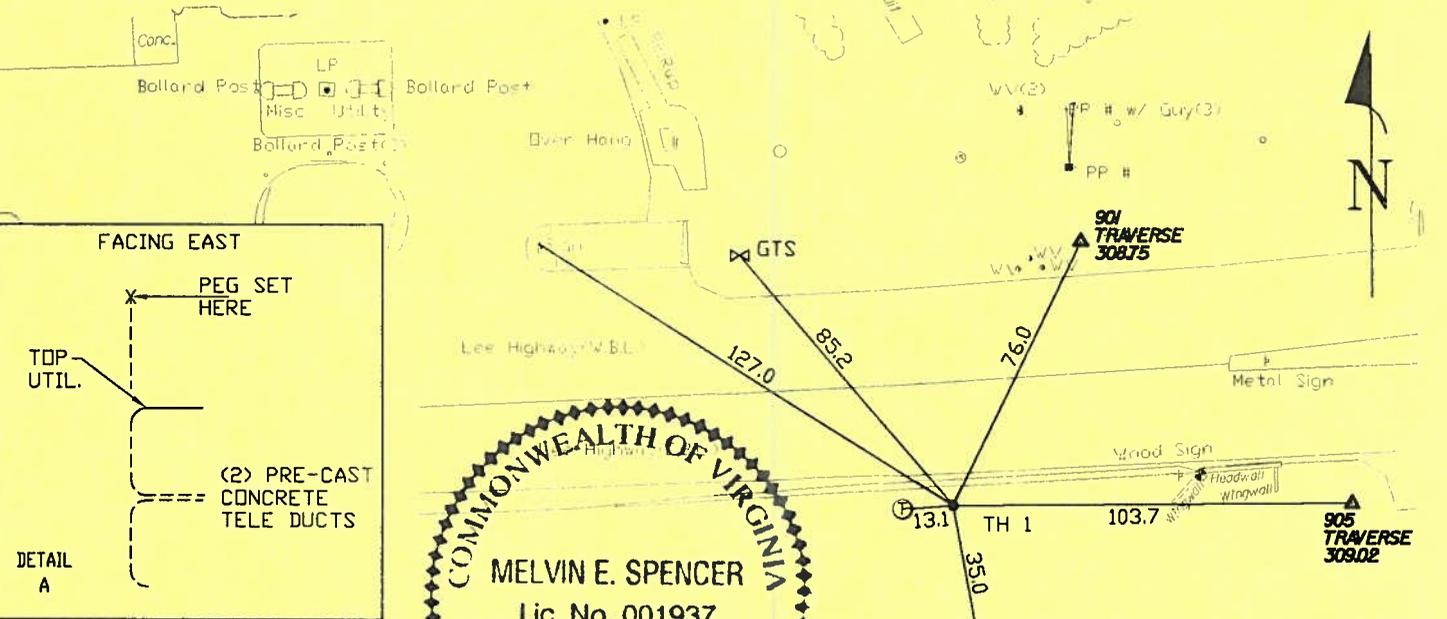
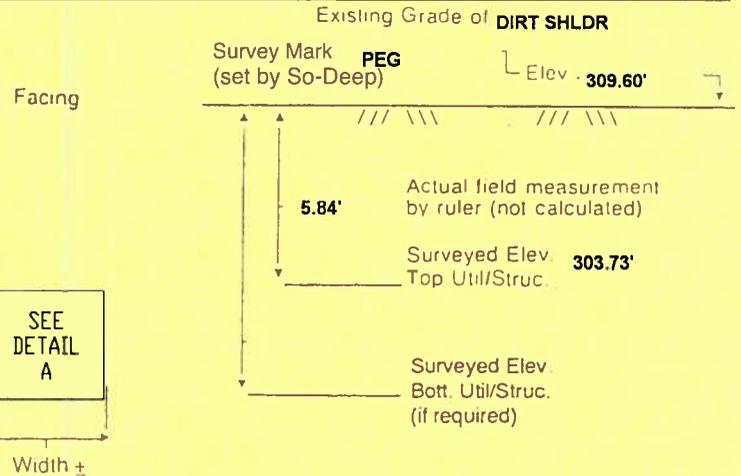
Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **PEG**

PRE-CAST CONC F.O. VERIZON DUCT*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: *CREW WAS UNABLE TO OBTAIN AN ACCURATE WIDTH MEASUREMENT OR BOTTOM ELEVATION ON THE TELE DUCT DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.



COMMONWEALTH OF VIRGINIA
MELVIN E. SPENCER
Lic. No. 001937
Melvin E. Spencer
3-17-10
LAND SURVEYOR

Performing out-of-sight work...with vision!TM
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 responsible only for information shown on our forms.

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

- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ∇ = Valve
- ⊗ = Water Meter
- ⊙ = Telephone Manhole
- = Telephone Pedestal
- .08' = 1"
- .16' = 2"
- .25' = 3"
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Test Hole Certification Form
Utility Quality Level A Data

ASCE C/ 38-02

Control # VCLC352
Test Hole # 2
Plan Scale 1"=25'
Sheet # 2
Proposed GRADE CHANGE
Date MARCH 10, 2010

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. RTE 29, W SIDE OF LITTLE ROCKY RUN
Recorded Size/Material/Type 18 WAY PRE-CAST CONC F.O. VERIZON DUCT
Foreman/Truck#/Form By R.T. DAVIS / #221 / R. BIRKENSTOCK

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = 307.72'
is GIVEN

Description: (TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN

B.M. 2 Elev. = 311.04'
is GIVEN

Description: CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION

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.

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 NO PAVING

Color of ribbon installed ORANGE

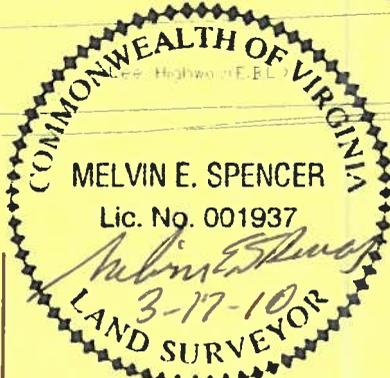
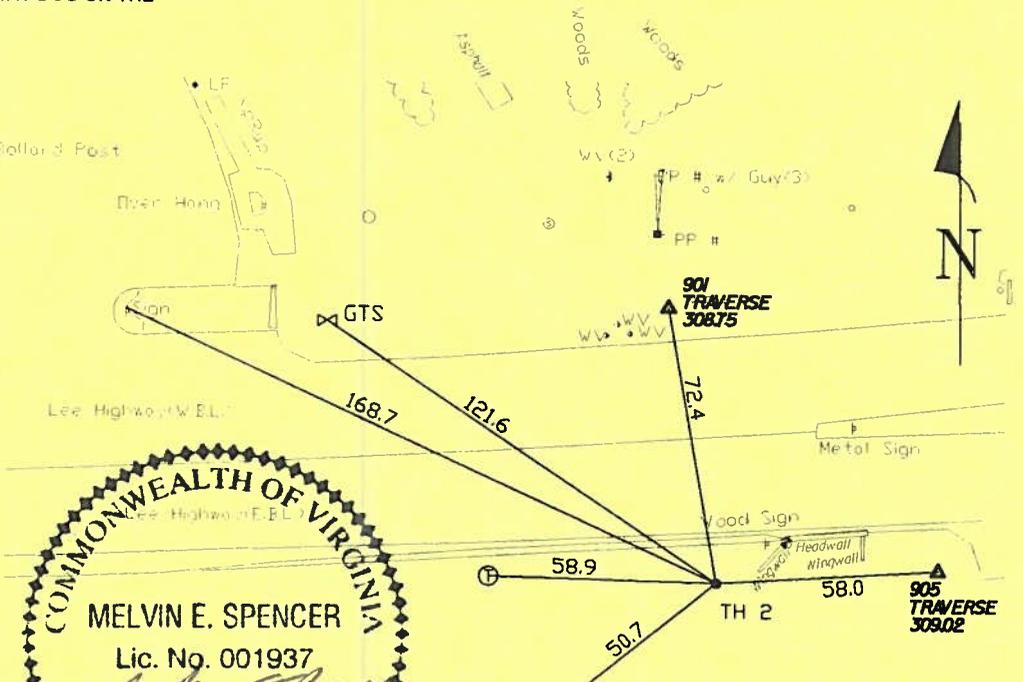
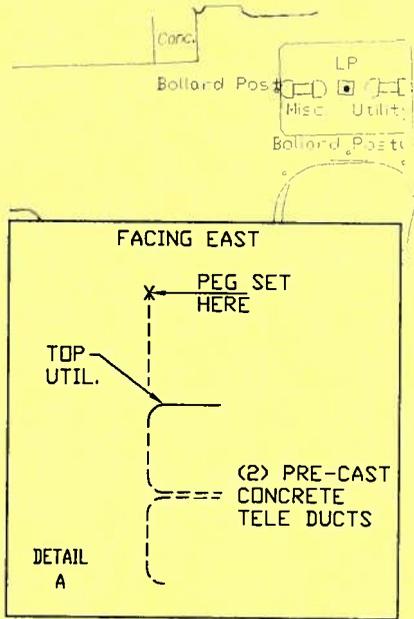
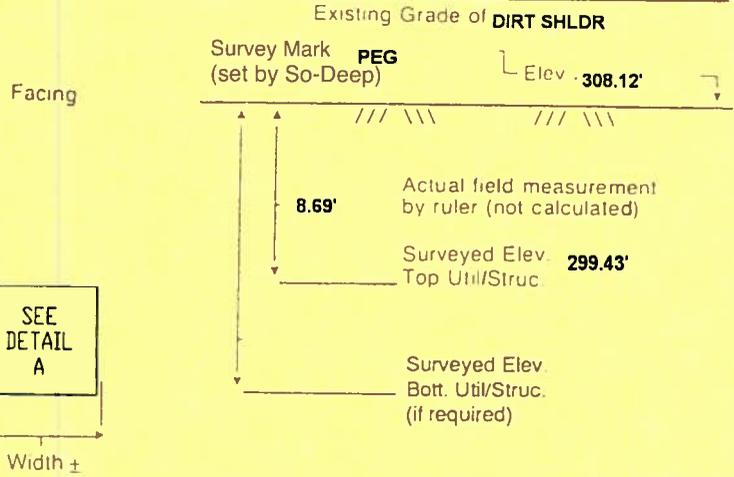
Soil Type WET CLAY/ROCK

Truck Location GRASS R/W

T.H. tied to PEG

PRE-CAST CONC F.O. VERIZON DUCT*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: *CREW WAS UNABLE TO OBTAIN AN ACCURATE WIDTH
MEASUREMENT OR BOTTOM ELEVATION ON THE TELE DUCT DUE TO
COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH.
UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC
DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE
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C.B. = Catch Basin
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Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal



The Subsurface Utility Engineering Company

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Manassas Park, VA 20111
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Test Hole Certification Form
Utility Quality "Level A" Data

ASCE C/I 38-02

Control # VCLC352
Test Hole # 3
Plan Scale 1"=25'
Sheet # 2
Proposed GRADE CHANGE
Date MARCH 4, 2010

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. RTE 29, E SIDE OF LITTLE ROCKY RUN
Recorded Size/Material/Type 18 WAY PRE-CAST CONC F.O. VERIZON DUCT
Foreman/Truck#/Form By R.T. DAVIS / #221 / R. BIRKENSTOCK

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = 307.72'
is GIVEN
Description: (TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN

B.M. 2 Elev. = 311.04'
is GIVEN
Description: CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION

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

Benchmarks Check BY 0.02'
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 NO PAVING

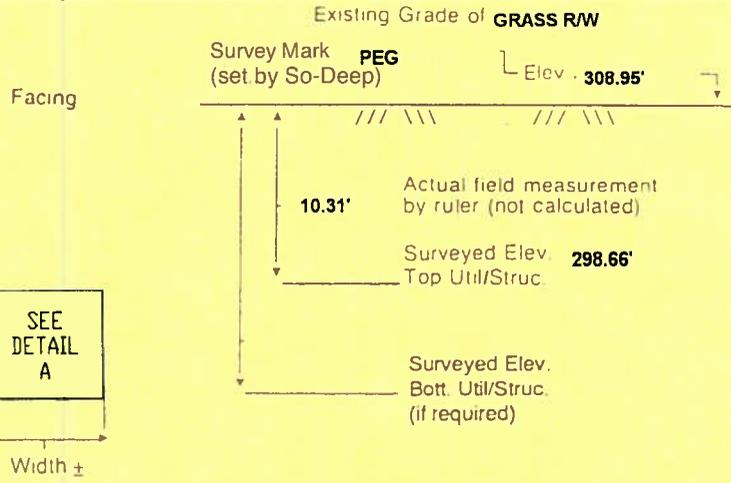
Color of ribbon installed ORANGE

Soil Type WET CLAY

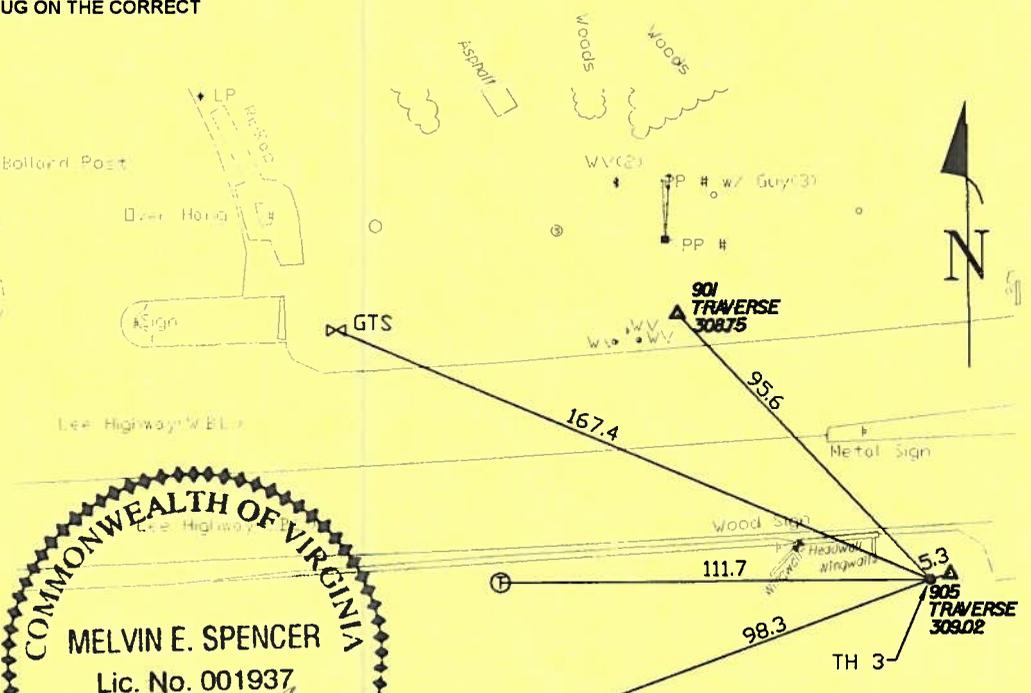
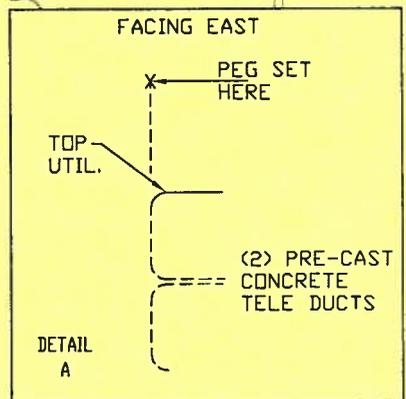
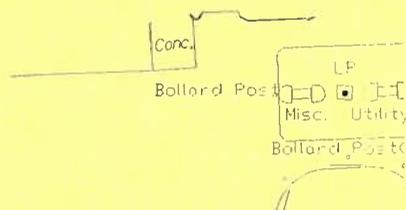
Truck Location GRASS R/W

T.H. tied to PEG

PRE-CAST CONC F.O. VERIZON DUCT*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)



Remarks: *CREW WAS UNABLE TO OBTAIN AN ACCURATE WIDTH MEASUREMENT OR BOTTOM ELEVATION ON THE TELE DUCT DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THE TH WAS DUG ON THE CORRECT UTILITY.



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3-17-10
LAND SURVEYOR

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Test Hole
Fire Hydrant
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Fence Line
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T.S. = Traverse Station
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Water Meter
Telephone Manhole
Telephone Pedestal



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Manassas Park, VA 20111
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Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **4**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **MARCH 3, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE 29, E SIDE OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **18 WAY PRE-CAST CONC F.O. VERIZON DUCT**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
ASPHALT PAVE IN GOOD CONDITION

B.M. 1 Elev. = **309.02'**
is **GIVEN**

Description: **(TRAV 905) CAP & REBAR FOUND S SIDE RTE 29, 40'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV 904) CAP & REBAR FOUND SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

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.

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 **10" ASPHALT**

Color of ribbon installed **ORANGE**

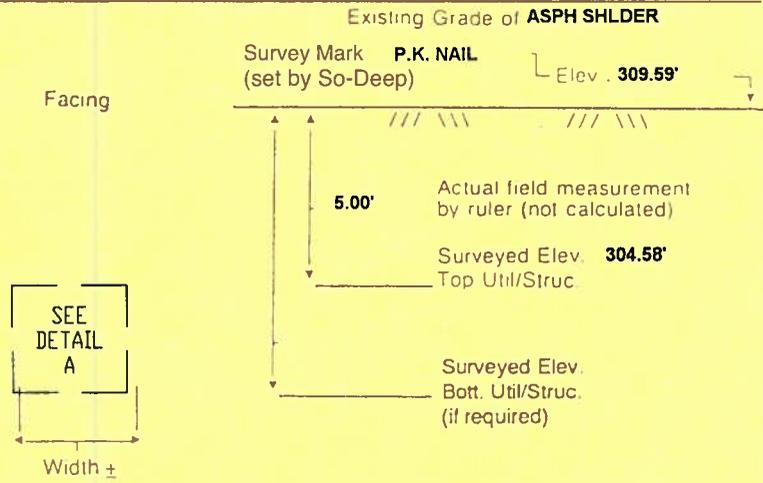
Soil Type **WET CLAY**

Truck Location **ASPH SHOULDER**

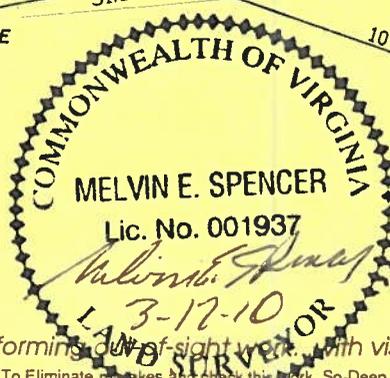
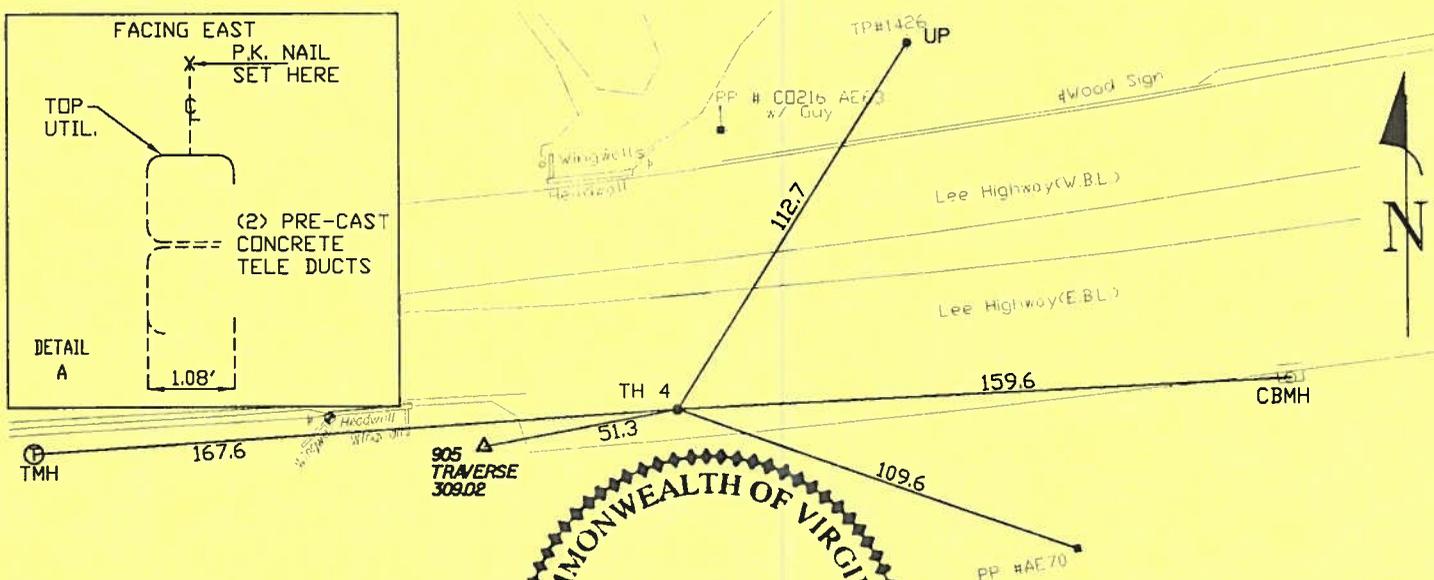
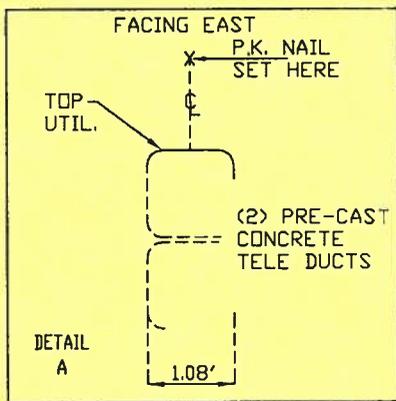
T.H. tied to **P.K. NAIL**

PRE-CAST CONC F.O. VERIZON DUCT*

Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)



Remarks: *CREW WAS UNABLE TO OBTAIN A BOTTOM ELEVATION ON THE CONC TELE DUCT DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THE TH WAS DUG ON THE CORRECT UTILITY.



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- = Sewer Manhole
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Test Hole Certification Form
Utility Quality Level A Data

ASCE C/ 38-02

Control # VCLC352
Test Hole # 6
Plan Scale 1"=25'
Sheet # 2
Proposed GRADE CHANGE
Date MARCH 3, 2010

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. RTE 29, ACROSS FROM KOREAN CHURCH
Recorded Size/Material/Type 18 WAY PRE-CAST CONC F.O. VERIZON DUCT
Foreman/Truck#/Form By R.T. DAVIS / #221 / R. BIRKENSTOCK

Condition of paving prior to work
ASPHALT PAVE IN GOOD CONDITION

B.M. 1 Elev. = 309.02'
is GIVEN
Description: (TRAV 905) CAP & REBAR FOUND S SIDE RTE 29,
40'± E OF LITTLE ROCKY RUN

B.M. 2 Elev. = 309.76'
is GIVEN
Description: (TRAV 904) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 335'± E OF LITTLE ROCKY RUN

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

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

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 10" ASPHALT

Color of ribbon installed ORANGE

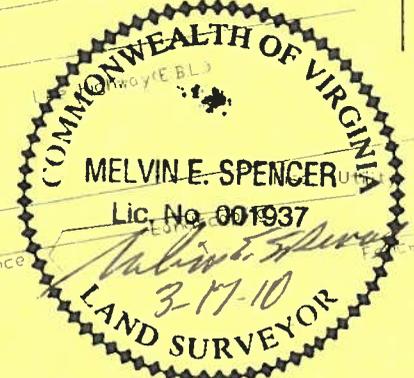
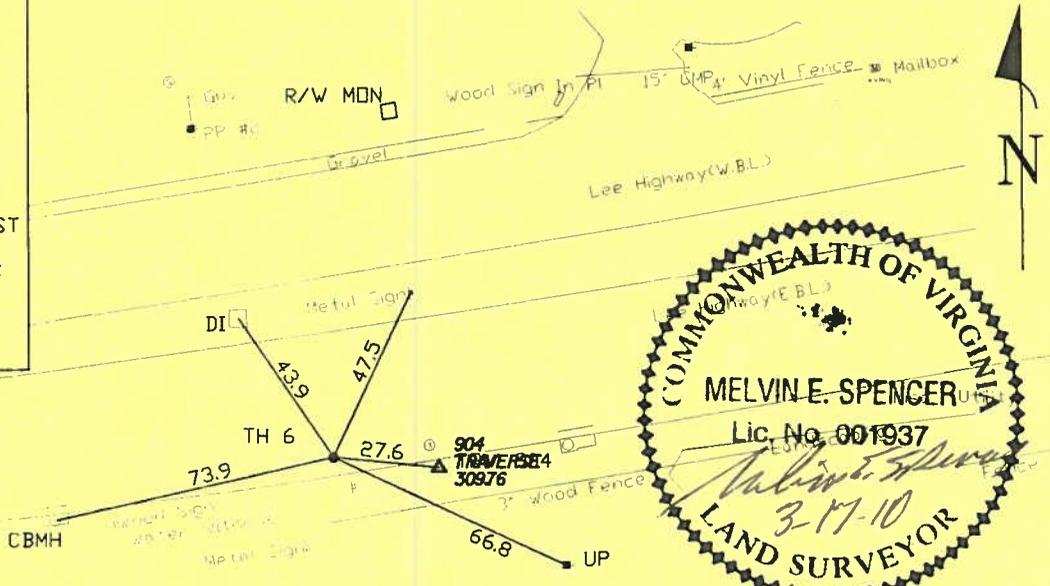
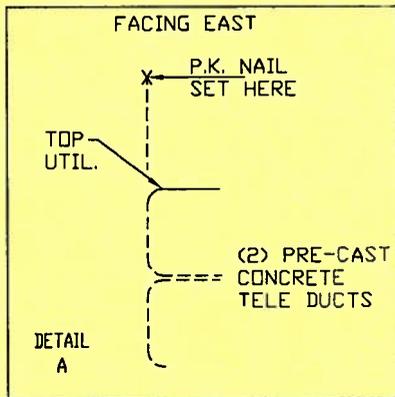
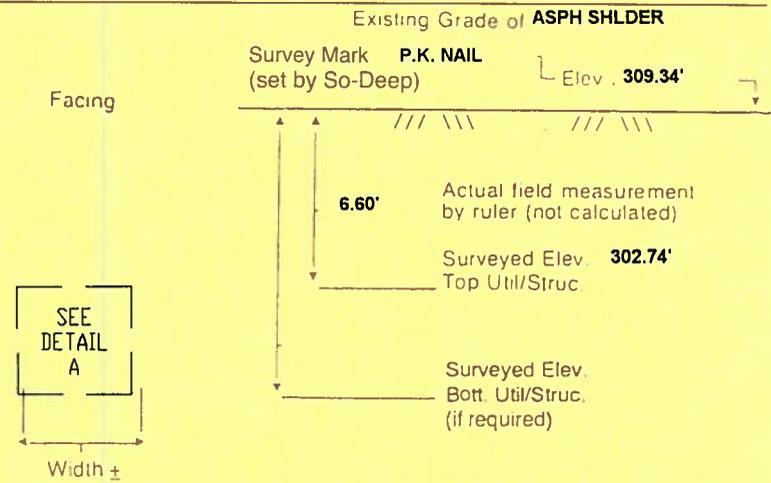
Soil Type WET CLAY

Truck Location ASPH SHOULDER

T.H. tied to P.K. NAIL

PRE-CAST CONC F.O. VERIZON DUCT*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: *CREW WAS UNABLE TO OBTAIN AN ACCURATE WIDTH
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Test Hole Certification Form
Utility Quality Level A Data

ASCE C/ 38-02

Control # VCLC352
Test Hole # 7
Plan Scale 1"=25'
Sheet # 1
Proposed GRADE CHANGE
Date FEBRUARY 26, 2010

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. TEXACO SERVICE STATION, RTE 29
Recorded Size/Material/Type UNK SIZE & TYPE F.O.MCI DUCT
Foreman/Truck#/Form By R. BIRKENSTOCK / #221 / D. STATLER

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = 307.72'
is GIVEN

Description: (TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN

B.M. 2 Elev. = 311.04'
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Description: CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
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There WERE NOT additional utilities in the test hole

The utility WAS in good condition

Paving Thickness and type NO PAVING

Color of ribbon installed ORANGE

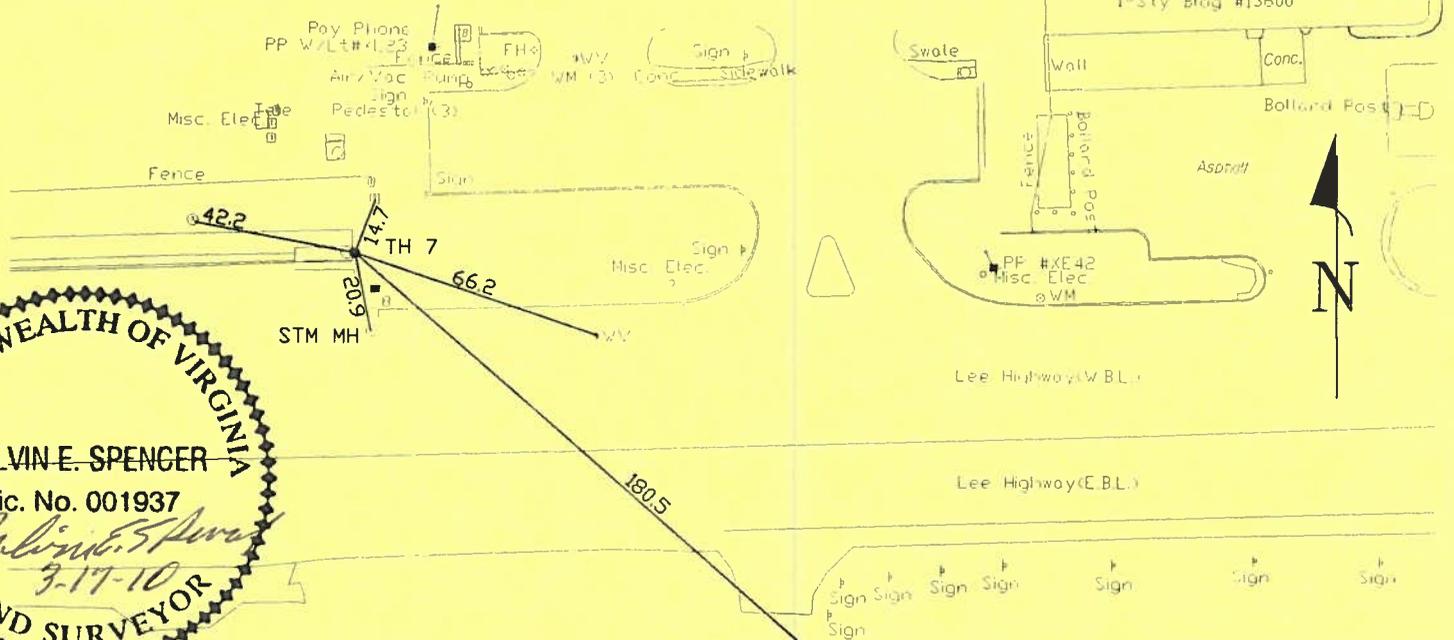
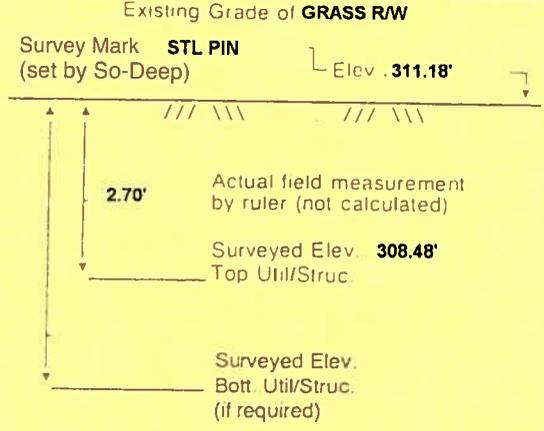
Soil Type WET CLAY

Truck Location GRASS R/W

T.H. tied to STL PIN

4 1/2" PLASTIC F.O. MCI CONDUIT
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: NONE



900 TRAVERSE 30772

- R/W = Rights of Way
N.T.S. = Not to Scale
* = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
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 Manassas Park, VA 20111
 (703) 361-6005

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLC352**
 Test Hole # **8**
 Plan Scale **1"=25'**
 Sheet # **1**
 Proposed **GRADE CHANGE**
 Date **FEBRUARY 26, 2010**

City, County, State **FAIRFAX COUNTY, VA**
 Gen. Loc. **TEXACO SERVICE STATION, RTE 29**
 Recorded Size/Material/Type **UNK SIZE & TYPE F.O. MCI DUCT**
 Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
 is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
 is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29, @ END OF SIDEWALK NEAR TEXACO STATION**

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.

Benchmarks Check **BY 0.02'**
 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 **NO PAVING**

Color of ribbon installed **ORANGE**

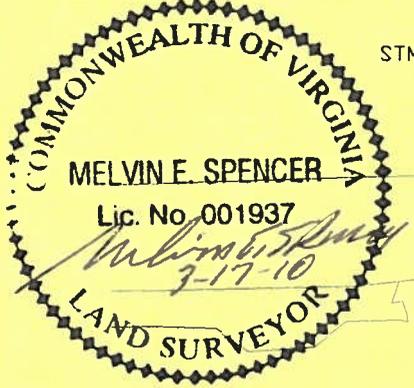
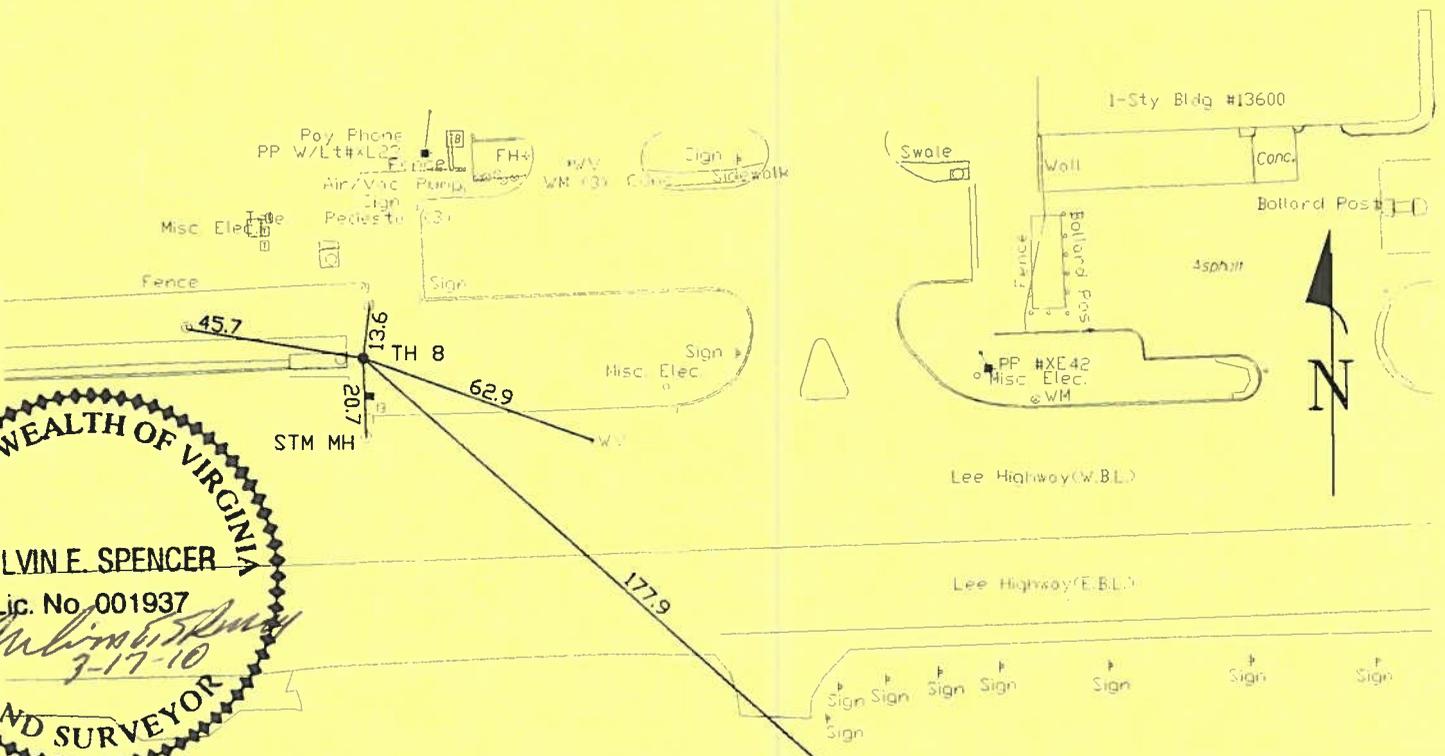
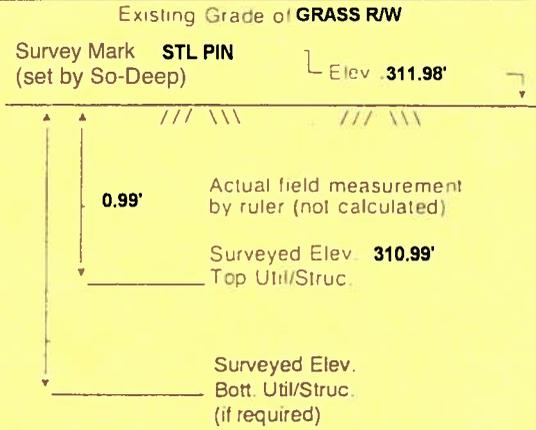
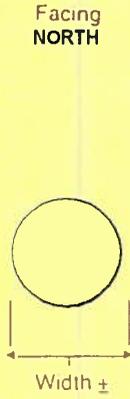
Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **STL PIN**

2" PLASTIC F.O. MCI DUCT
 Size/Material/Type
 Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



- | | |
|---------------------------|--------------------|
| R/W = Rights of Way | T.C. = Terra Cotta |
| N.T.S. = Not to Scale | PLAS. = Plastic |
| * = Not Shown on Plan | BL = Base Line |
| PCC = Precast Concrete | ELEC. = Electric |
| COND. = Conduit | TELE = Telephone |
| CONC. = Concrete | T.H. = Test Hole |
| O.D. = Outside Diameter | SW = Sidewalk |
| C.I. = Cast Iron | DW = Driveway |
| D.I. = Ductile Iron | BM = Benchmark |
| RPC = Rough Pour Concrete | C.B. = Catch Basin |
| CL = 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 dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | --- = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | ⊕ = T.S. = Traverse Station |
| .67' = 8" | △ = Valve |
| .75' = 9" | ⊕ = Water Meter |
| .83' = 10" | ⊕ = Telephone Manhole |
| .92' = 11" | □ = Telephone Pedestal |

900 TRAVERSE 3072



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **9**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **FEBRUARY 26, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **TEXACO SERVICE STATION, RTE 29**
Recorded Size/Material/Type **(2)4" PLAS F.O. VZN & (2)1 1/4" PLAS F.O. COX**
Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION**

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.

Benchmarks Check **BY 0.02'**
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 **NO PAVING**

Color of ribbon installed **ORANGE**

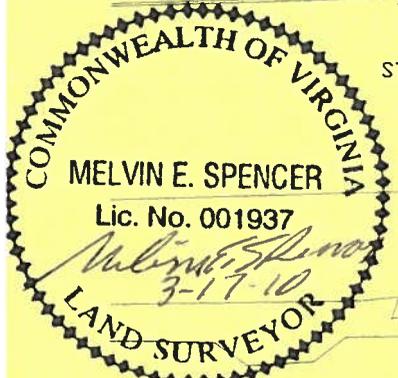
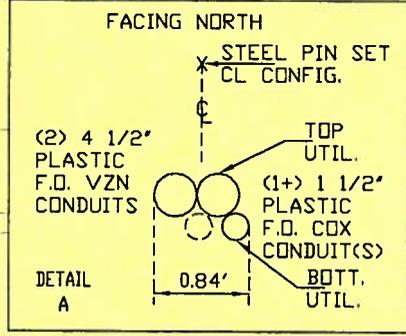
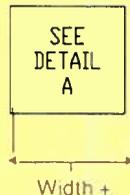
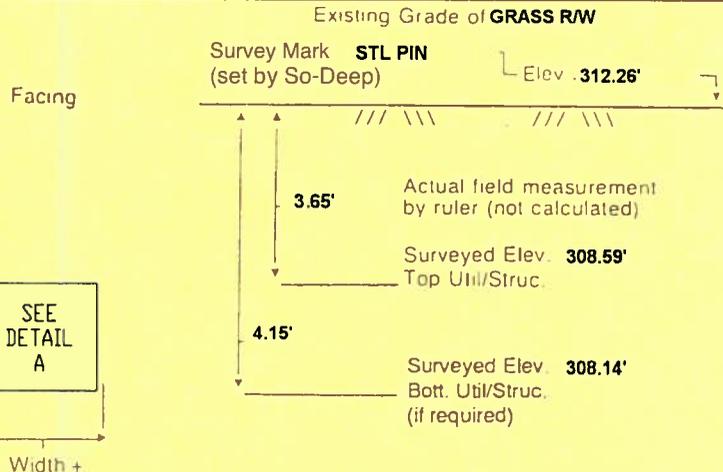
Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **STL PIN**

(2)4 1/2" PLAS F.O. VZN I(1+)1 1/2" PLAS F.O. COX
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: ***COX CATV HAND HOLD INSPECTION INDICATES THAT AN
ADDITIONAL F.O. COX CATV CONDUIT MAY BE PRESENT BUT IS
HIDDEN FROM VIEW BY THE EXPOSED CONDUITS.**



- | | |
|---------------------------|--------------------|
| RW = Rights of Way | T.C. = Terra Colla |
| N.T.S. = Not to Scale | PLAS. = Plastic |
| * = Not Shown on Plan | BL = Base Line |
| PCC = Precast Concrete | ELEC. = Electric |
| COND. = Conduit | TELE = Telephone |
| CONC. = Concrete | T.H. = Test Hole |
| O.D. = Outside Diameter | SW = Sidewalk |
| C.I. = Cast Iron | DW = Driveway |
| D.I. = Ductile Iron | BM = Benchmark |
| RPC = Rough Pour Concrete | C.B. = Catch Basin |
| CL = Centerline | GV = Gas Valve |

900 TRAVERSE 307.72

Performing 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 responsible only for information shown on our forms.

- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | --- = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | ⊕ = T.S. = Traverse Station |
| .67' = 8" | ⊕ = Valve |
| .75' = 9" | ⊕ = Water Meter |
| .83' = 10" | ⊕ = Telephone Manhole |
| .92' = 11" | ⊕ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form
Utility Quality Level A Data

ASCE C/1 38-02

Control # VLC352
Test Hole # 10
Plan Scale 1"=25'
Sheet # 1
Proposed GRADE CHANGE
Date MARCH 4, 2010

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. TEXACO SERVICE STATION, RTE 29
Recorded Size/Material/Type UNK SIZE & TYPE WATER LINE
Foreman/Truck#/Form By R.T. DAVIS / #221 / R. BIRKENSTOCK

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = 307.72'
is GIVEN

Description: (TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN

B.M. 2 Elev. = 311.04'
is GIVEN

Description: CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION

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.

Benchmarks Check BY 0.02'
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 NO PAVING

Color of ribbon installed BLUE

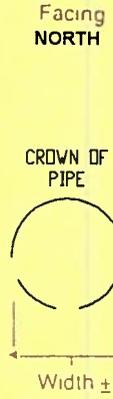
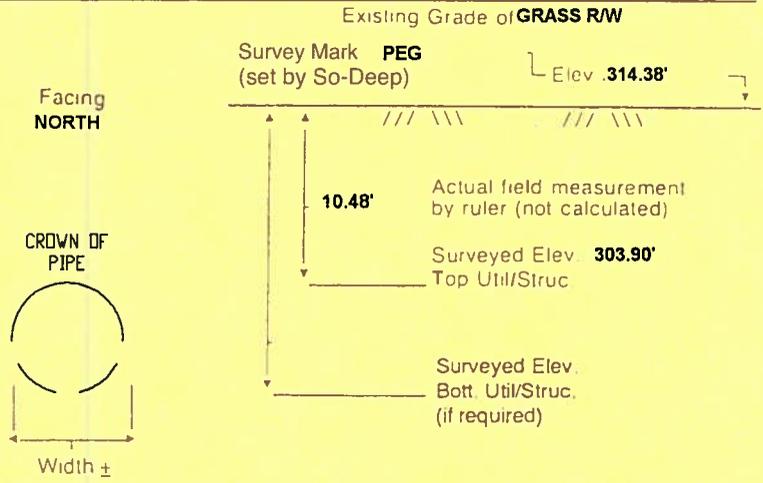
Soil Type WET CLAY

Truck Location GRASS R/W

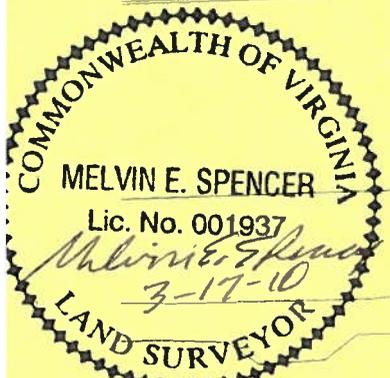
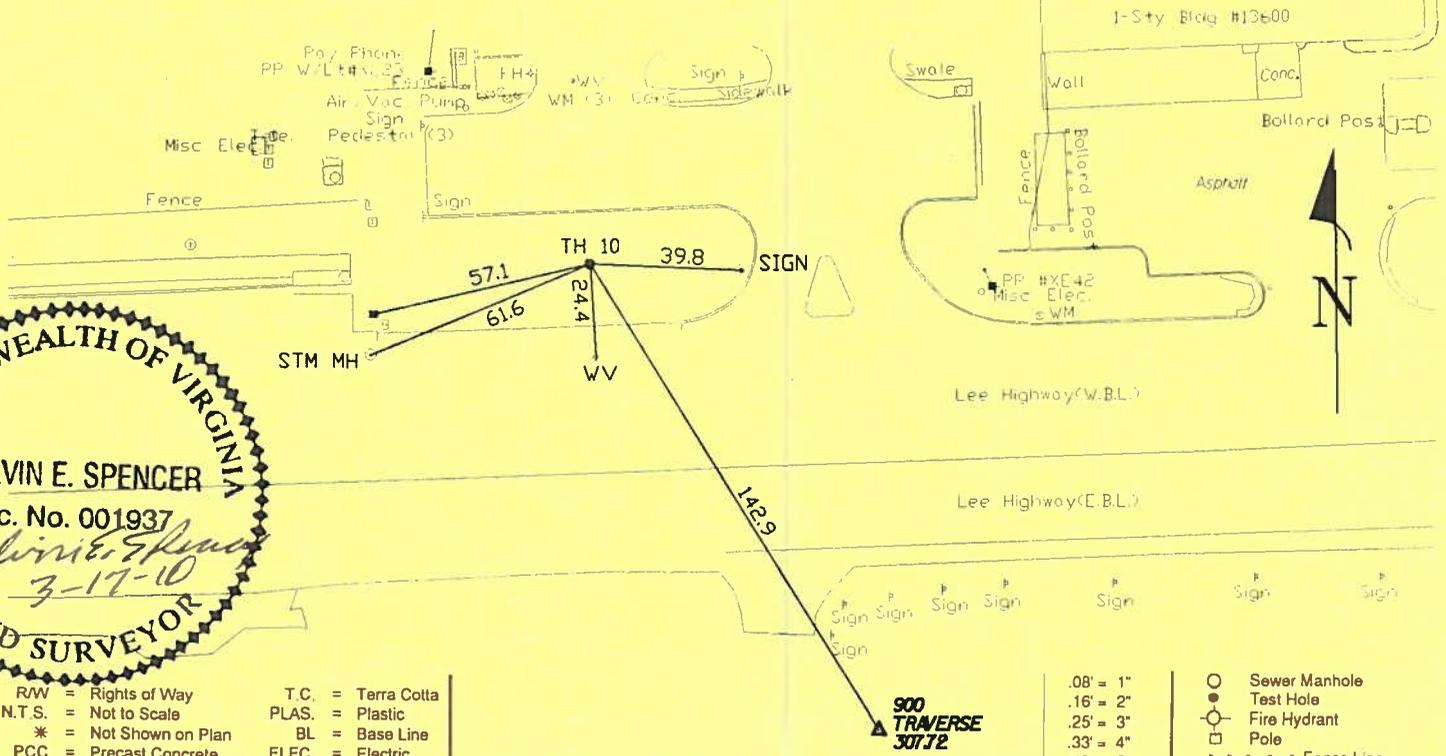
T.H. tied to PEG

UNK SIZE D.I. WATER LINE*

Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)



Remarks: *CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D.
MEASUREMENT ON THE WATER LINE DUE TO COPIOUS WATER &
UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS
RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL
INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.



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

900 TRAVERSE 307.72
Performing 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 responsible only for information shown on our forms.

- .08' = 1"
.16' = 2"
.25' = 3"
.33' = 4"
.42' = 5"
.50' = 6"
.58' = 7"
.67' = 8"
.75' = 9"
.83' = 10"
.92' = 11"
Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLC352**
Test Hole # **11**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **FEBRUARY 26, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **TEXACO SERVICE STATION, RTE 29**
Recorded Size/Material/Type **UNK SIZE & TYPE VERIZON TELE DUCT**
Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION**

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.

Benchmarks Check **BY 0.02'**
Elevations are referenced to **B.M.#1**

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 **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **WET CLAY**

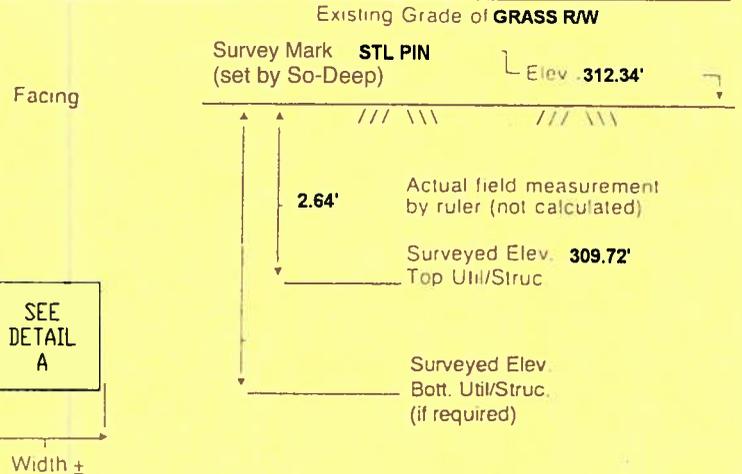
Truck Location **GRASS R/W**

T.H. tied to **STL PIN**

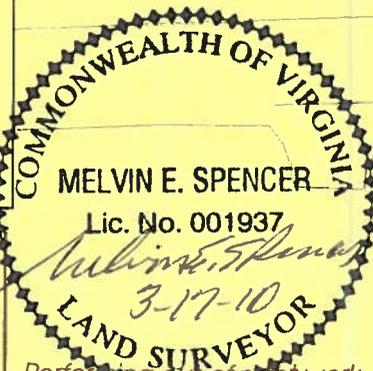
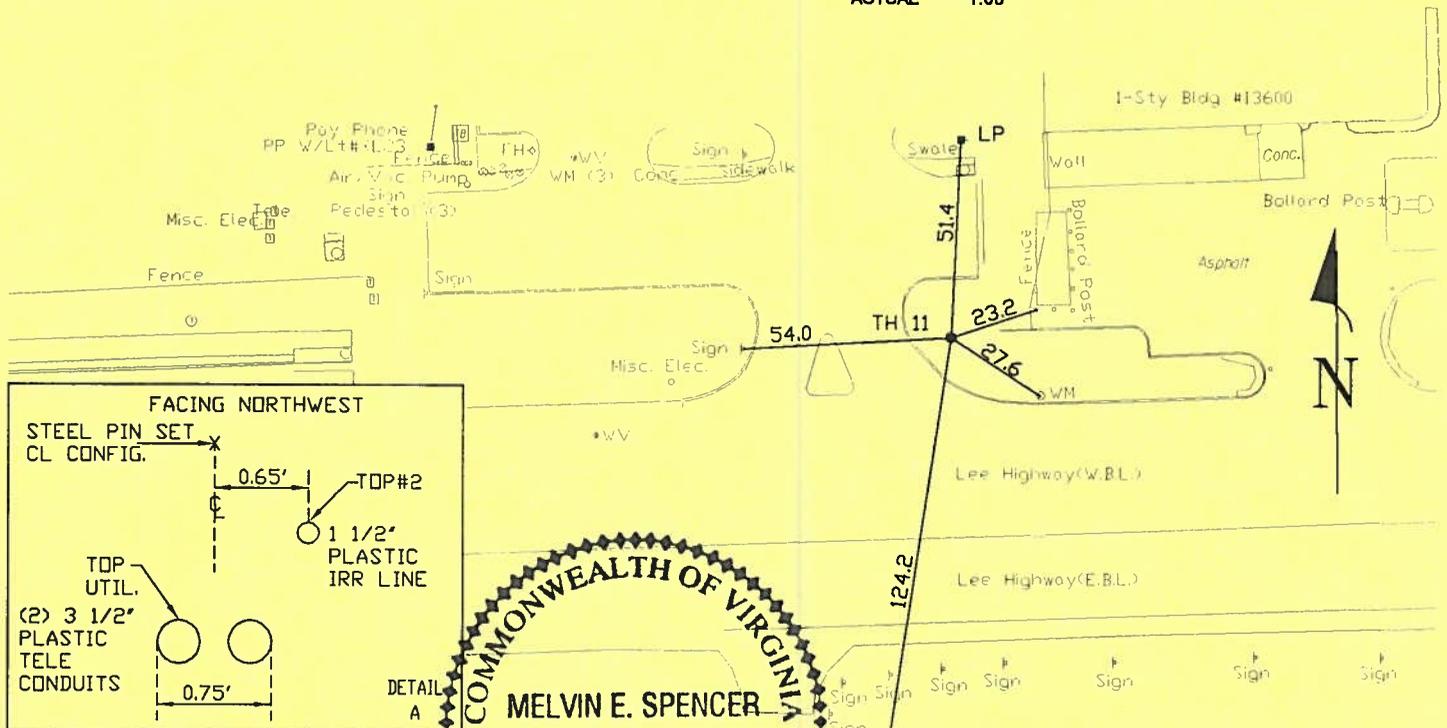
(2) 3 1/2" PLAS VZN TELE COND/1 1/2" PLAS IRR LINE

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

Remarks: ***ALSO FOUND IN THE TH WAS A 1 1/2" IRRIGATION LINE
RUNNING ABOVE & PARALLEL TO THE TELE CONDUITS.**



**TOP#2
ELEV. 311.28
ACTUAL 1.08**



**900
TRAVERSE
30772**

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

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

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- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | — — — = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | — T.S. — = Traverse Station |
| .67' = 8" | ∇ = Valve |
| .75' = 9" | ⊗ = Water Meter |
| .83' = 10" | ⊙ = Telephone Manhole |
| .92' = 11" | □ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLC352**
Test Hole # **12**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **FEBRUARY 26, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **TEXACO SERVICE STATION, RTE 29**
Recorded Size/Material/Type **UNK SIZE & TYPE ELEC LINE**
Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION**

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.

Benchmarks Check **BY 0.02'**
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 **NO PAVING**

Color of ribbon installed **RED**

Soil Type **WET CLAY**

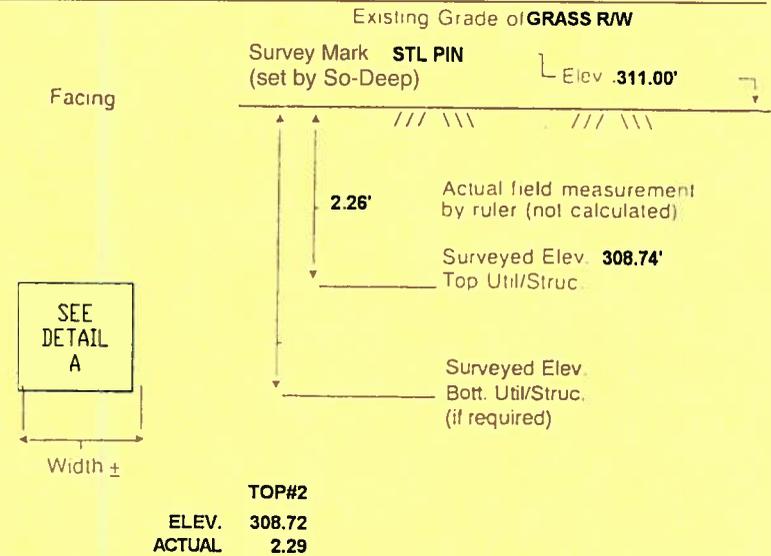
Truck Location **GRASS R/W**

T.H. tied to **STL PIN**

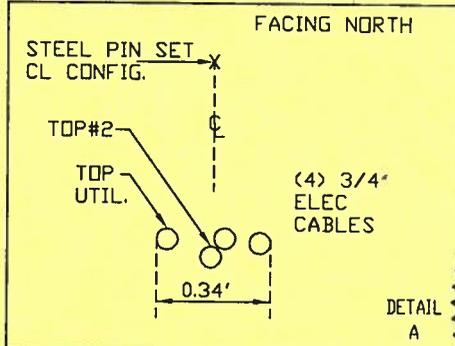
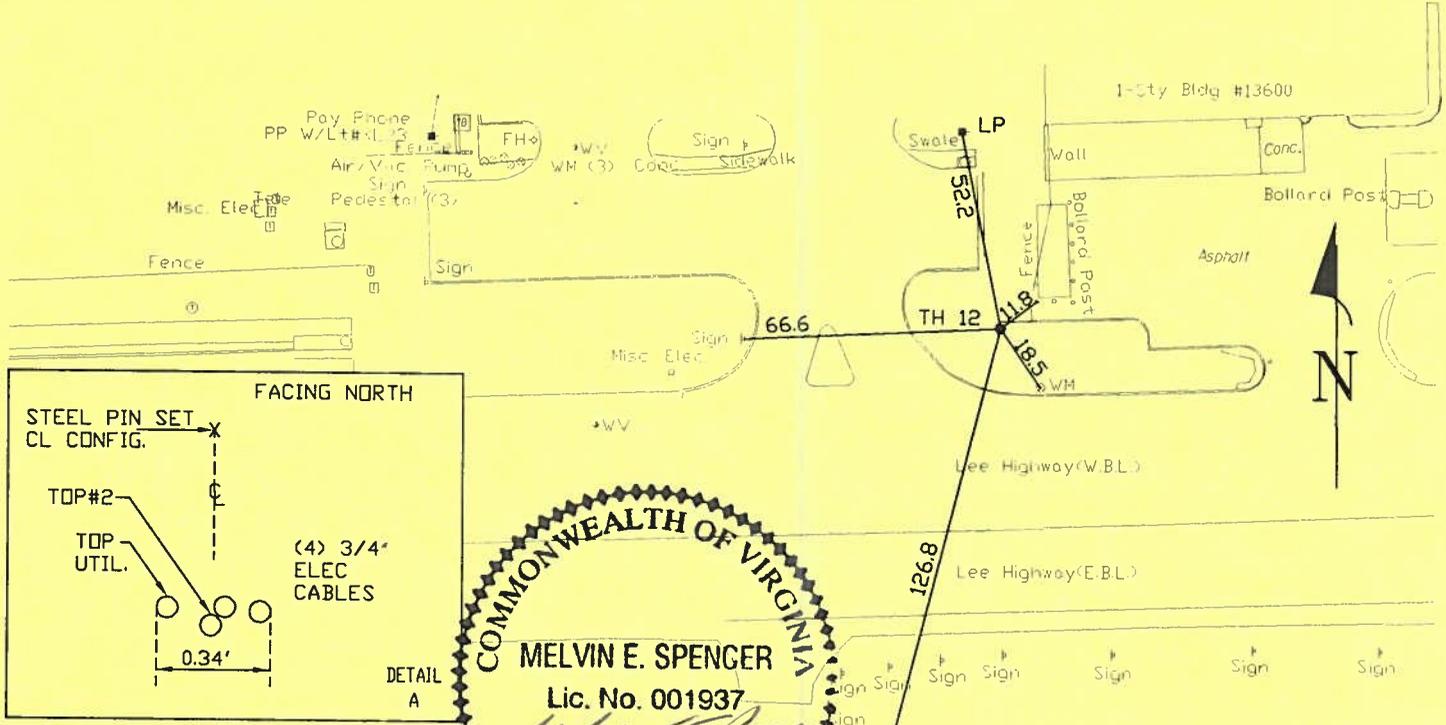
(4) 3/4" ELEC CABLES

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

Remarks: **NONE**



**TOP#2
ELEV. 308.72
ACTUAL 2.29**



COMMONWEALTH OF VIRGINIA
MELVIN E. SPENGER
Lic. No. 001937
Melvin E. Spenger
3-17-10
LAND SURVEYOR

**900 TRAVERSE
30772**

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

- .08" = 1"
- .16" = 2"
- .25" = 3"
- .33" = 4"
- .42" = 5"
- .50" = 6"
- .58" = 7"
- .67" = 8"
- .75" = 9"
- .83" = 10"
- .92" = 11"

- Sewer Manhole
- Test Hole
- ⊕ Fire Hydrant
- Pole
- Fence Line
- ⊖ Electric Manhole
- ⊕ T.S. = Traverse Station
- △ Valve
- ⊙ Water Meter
- ⊕ Telephone Manhole
- Telephone Pedestal

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

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **DISCOUNT TIRE & AUTO, RTE 29**
Recorded Size/Material/Type **(2) 1 1/4" PLAS F.O. COX CATV CONDUITS**
Foreman/Truck#/Form By **S. CLARK / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

Control # **VCLC352**
Test Hole # **13**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **FEBRUARY 27, 2010**

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV 901) CAP & REBAR FOUND N SIDE RTE 29,
125± W OF LITTLE ROCKY RUN**

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.

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 **NO PAVING**

Color of ribbon installed **ORANGE**

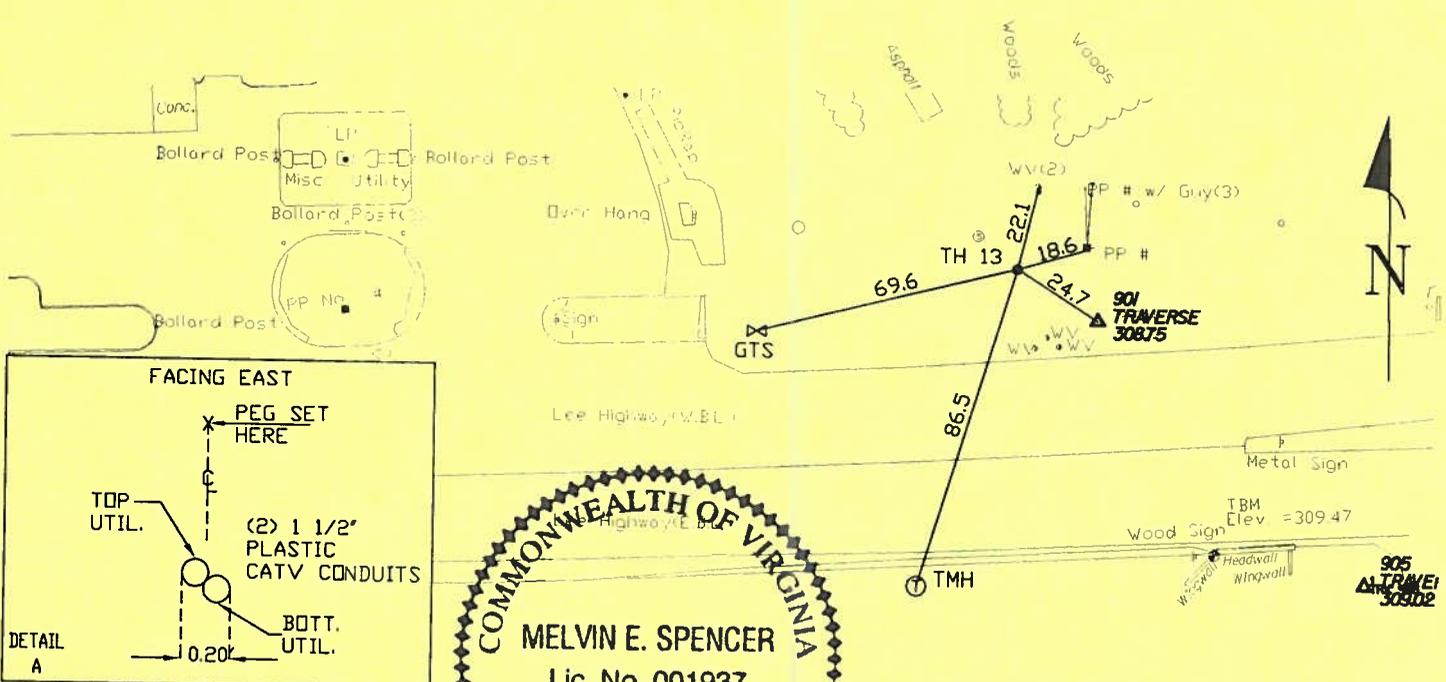
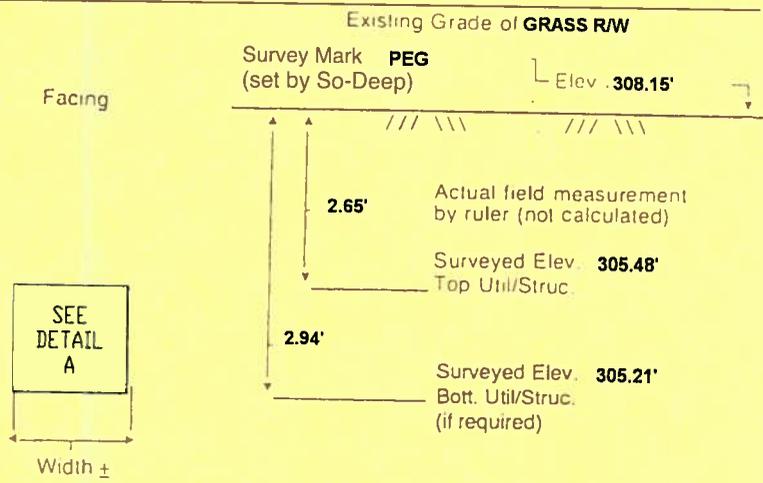
Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **PEG**

(2) 1 1/2" PLAS F.O. COX CATV CONDUITS
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



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

- .08" = 1"
- .16" = 2"
- .25" = 3"
- .33" = 4"
- .42" = 5"
- .50" = 6"
- .58" = 7"
- .67" = 8"
- .75" = 9"
- .83" = 10"
- .92" = 11"
- = Sewer Manhole
- with dot = Test Hole
- with cross = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊕ with cross = T.S. = Traverse Station
- ⊕ with triangle = Valve
- ⊕ with circle = Water Meter
- ⊕ with square = Telephone Manhole
- ⊕ with rectangle = Telephone Pedestal

Performing out-of-sight work...with vision!TM
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 responsible only for information shown on our forms.



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE 29, ACROSS FROM TEXACO SERVICE STATION**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

Control # **VCLC352**
Test Hole # **14**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **MARCH 1, 2010**

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION**

Benchmarks Check **BY 0.05'**
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.

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **GRASS R/W**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **WET CLAY**

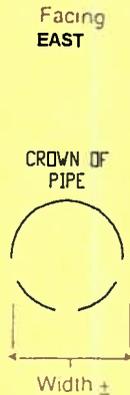
Truck Location **GRASS R/W**

T.H. tied to **PEG**

24" D.I. WATER LINE*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement;
OTHER, (SEE REMARKS)

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE 24" WATER LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.**

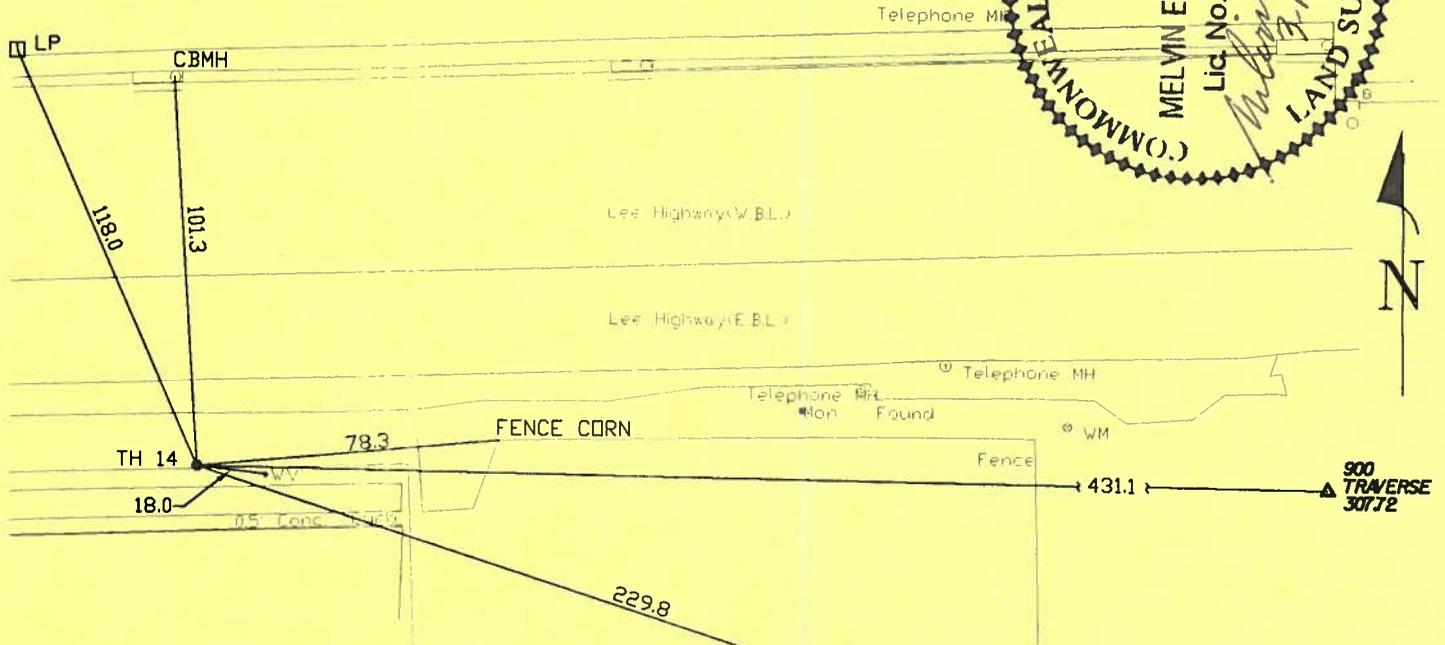
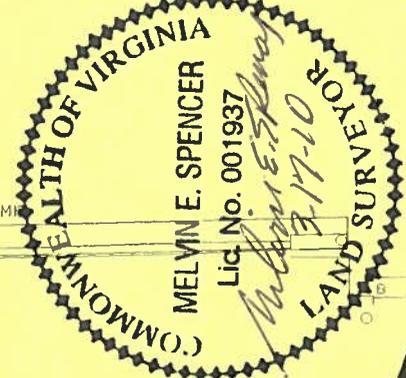
Survey Mark **PEG**
(set by So-Deep) Elev. **.323.61'**



7.59' Actual field measurement by ruler (not calculated)

Surveyed Elev. **316.03'**
Top Util/Struct.

Surveyed Elev. **Bott. Util/Struct.**
(if required)



- R/W = Rights of Way
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- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

Performing out-of-sight work...with vision!TM
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- .75" = 9"
- .83" = 10"
- .92" = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- +— = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ∇ = Valve
- ⊗ = Water Meter
- ⊙ = Telephone Manhole
- ⊞ = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form
Utility Quality Level A Data

ASCE C/ 38-02

Control # VCLC352
Test Hole # 15
Plan Scale 1"=25'
Sheet # 1
Proposed GRADE CHANGE
Date MARCH 1, 2010

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. RTE 29, ACROSS FROM TEXACO SERVICE STATION
Recorded Size/Material/Type 24" D.I. WATER LINE
Foreman/Truck#/Form By R.T. DAVIS / #221 / R. BIRKENSTOCK

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = 307.72'
is GIVEN

Description: (TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN

B.M. 2 Elev. = 311.04'
is GIVEN

Description: CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION

Benchmarks Check BY 0.05'
Elevations are referenced to B.M.#1

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

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 NO PAVING

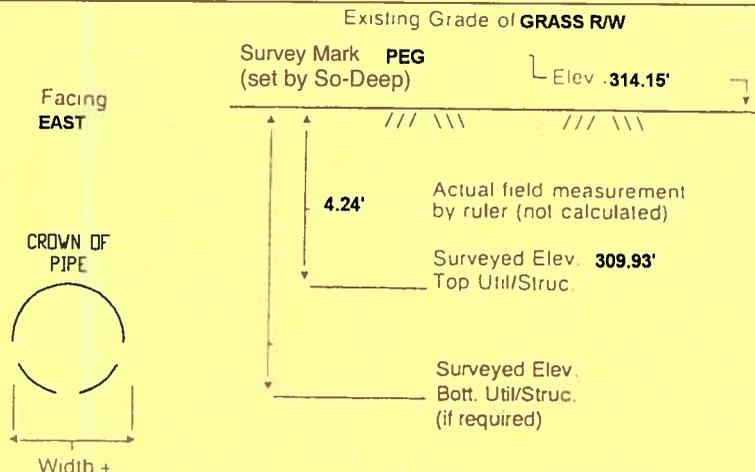
Color of ribbon installed BLUE

Soil Type WET CLAY

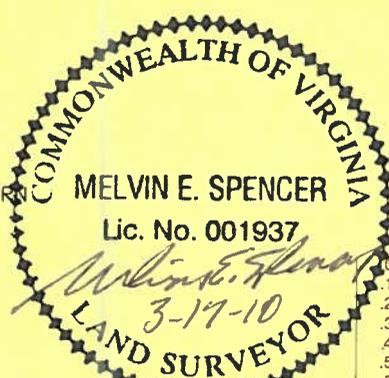
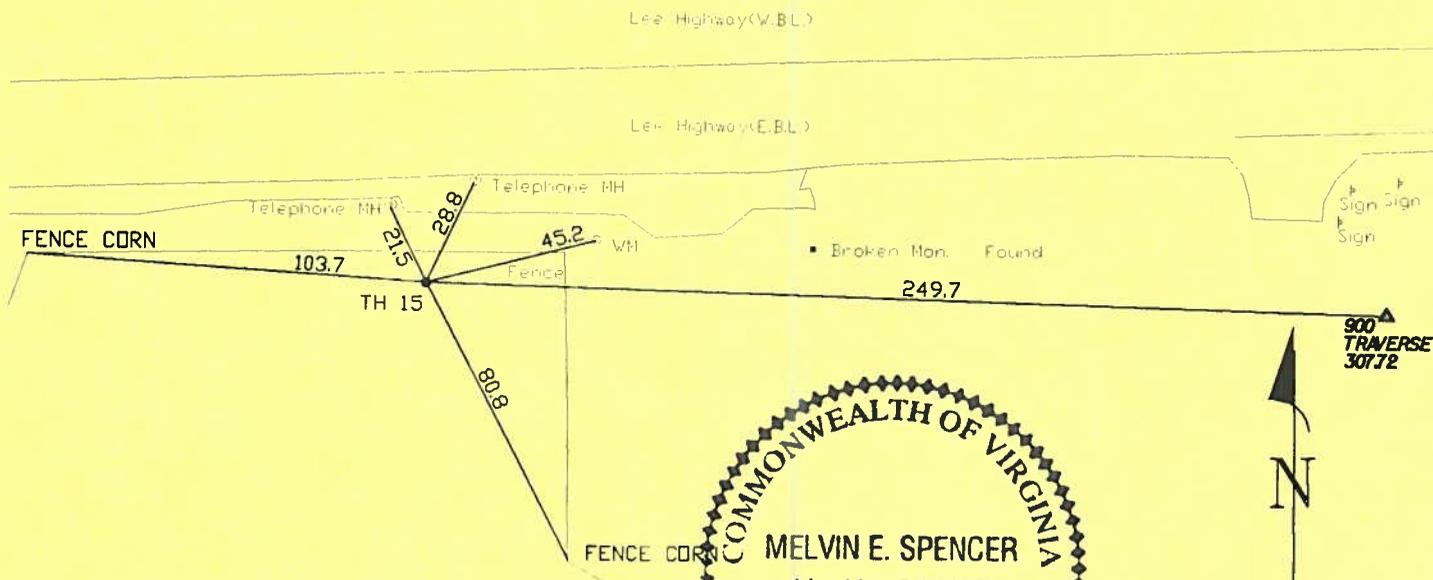
Truck Location GRASS R/W

T.H. tied to PEG

24" D.I. WATER LINE*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)



Remarks: *CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D.
MEASUREMENT ON THE 24" WATER LINE DUE TO COPIOUS WATER &
UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS
RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL
INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.



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D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

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.83' = 10"
.92' = 11"
Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal



The Subsurface Utility Engineering Company

8397 Euclid Avenue
Manassas Park, VA 20111
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Test Hole Certification Form

Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **16**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **MARCH 1, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE 29, ACROSS FROM TEXACO SERVICE STATION**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **R. T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29, @ END OF SIDEWALK NEAR TEXACO STATION**

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.

Benchmarks Check **BY 0.05'**
Elevations are referenced to **B.M.#1**

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 **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **WET CLAY**

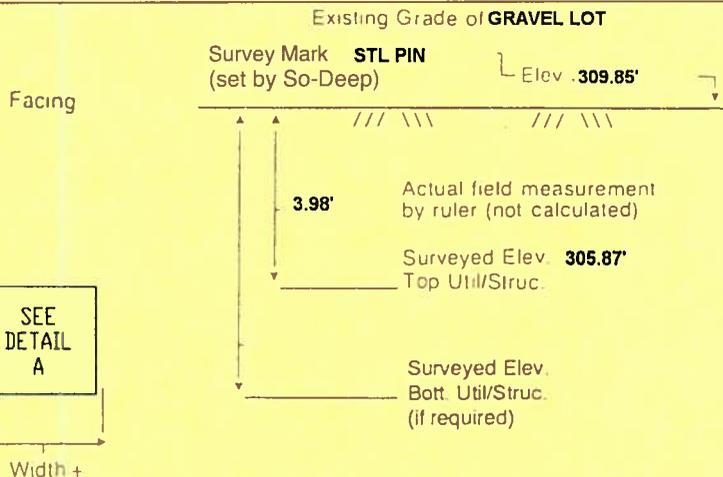
Truck Location **GRAVEL LOT**

T.H. tied to **STL PIN**

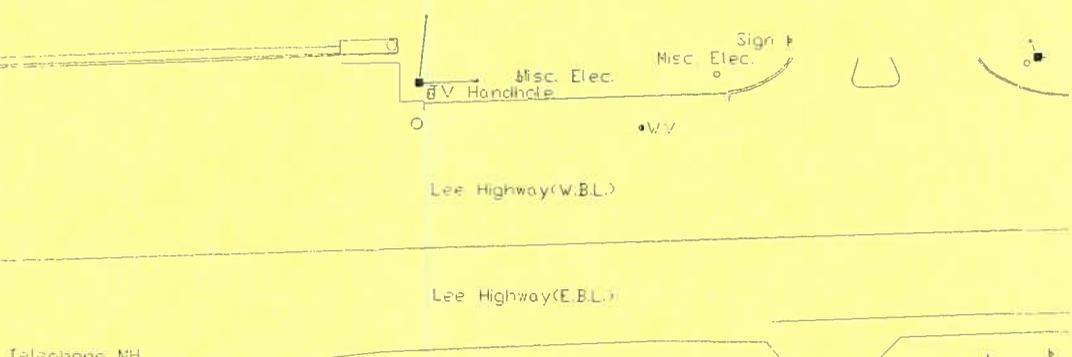
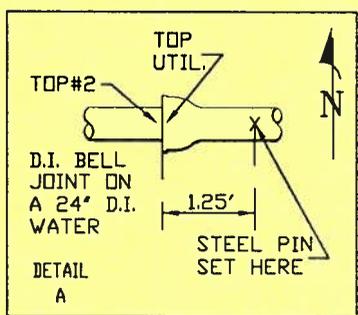
UNK SIZE BELL JOINT ON 24" D.I. WATER LINE*

Size/Material/Type
Portion of pipe exposed
for **O.D. measurement:**
OTHER, (SEE REMARKS)

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE 24" WATER LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.**



TOP#2
ELEV. 305.73
ACTUAL 4.11



COMMONWEALTH OF VIRGINIA

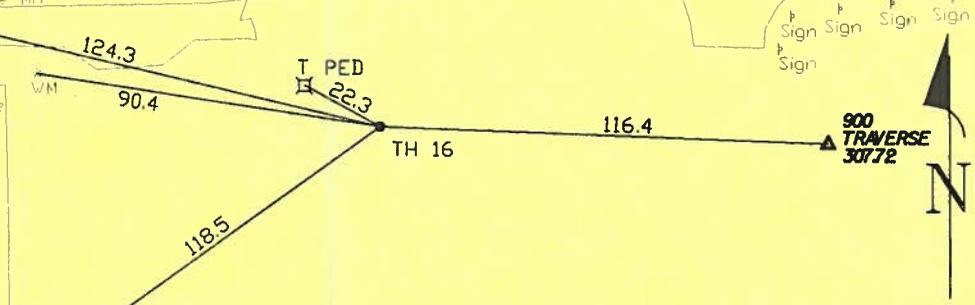
MELVIN E. SPENCER

Lic. No. 001937

3-17-10

LAND SURVEYOR

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- C.B. = Catch Basin
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.08' = 1"	○ Sewer Manhole
.16' = 2"	● Test Hole
.25' = 3"	⊙ Fire Hydrant
.33' = 4"	□ Pole
.42' = 5"	— Fence Line
.50' = 6"	⊕ Electric Manhole
.58' = 7"	△ T.S. = Traverse Station
.67' = 8"	⊗ Valve
.75' = 9"	⊕ Water Meter
.83' = 10"	⊕ Telephone Manhole
.92' = 11"	⊕ Telephone Pedestal



The Subsurface Utility Engineering Company
 8397 Euclid Avenue
 Manassas Park, VA 20111
 (703) 361-6005

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
 Test Hole # **17**
 Plan Scale **1"=25'**
 Sheet # **1**
 Proposed **GRADE CHANGE**
 Date **MARCH 1, 2010**

City, County, State **FAIRFAX COUNTY, VA**
 Gen. Loc. **RTE 29, ACROSS FROM TEXACO SERVICE STATION**
 Recorded Size/Material/Type **24" D.I. WATER LINE**
 Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
 is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
 is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29, @ END OF SIDEWALK NEAR TEXACO STATION**

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.

Benchmarks Check **BY 0.05'**
 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 **NO PAVING**

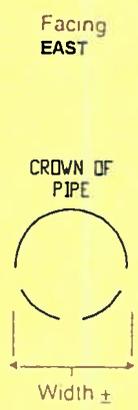
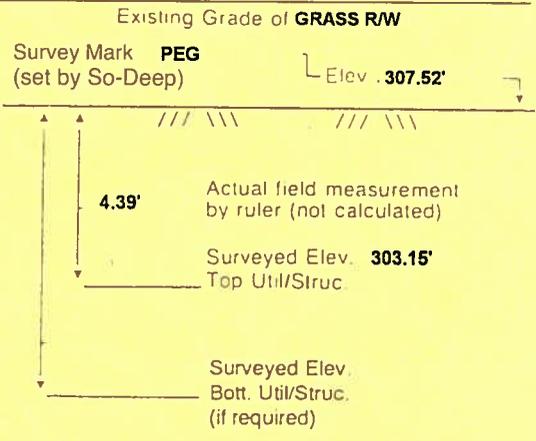
Color of ribbon installed **BLUE**

Soil Type **WET CLAY**

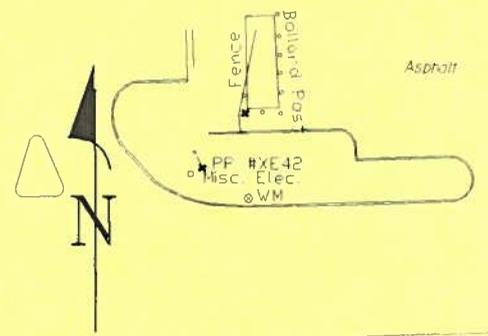
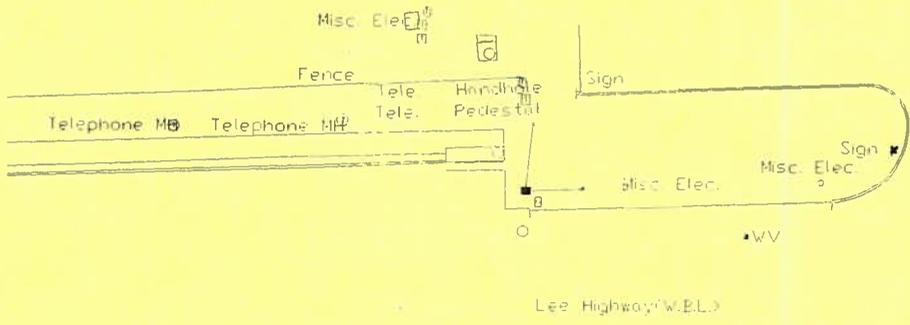
Truck Location **GRASS R/W**

T.H. tied to **PEG**

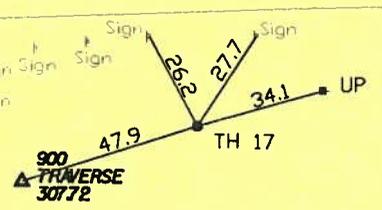
24" D.I. WATER LINE*
 Size/Material/Type
 Portion of pipe exposed
 for O.D. measurement:
OTHER, (SEE REMARKS)



Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE 24" WATER LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.**



COMMONWEALTH OF VIRGINIA
MELVIN E. SPENCER
 Lic. No. 001937
Melvin E. Spencer
3-17-10
LAND SURVEYOR



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- SW = Sidewalk
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- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

Performing subsurface work...with vision!TM
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- = Sewer Manhole
- = Test Hole
- = Fire Hydrant
- = Pole
- = Fence Line
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- ⊕ = Telephone Manhole
- = Telephone Pedestal



The Subsurface Utility Engineering Company
 8397 Euclid Avenue
 Manassas Park, VA 20111
 (703) 361-6005

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
 Test Hole # **18**
 Plan Scale **1"=25'**
 Sheet # **2**
 Proposed **GRADE CHANGE**
 Date **MARCH 4, 2010**

City, County, State **FAIRFAX COUNTY, VA**
 Gen. Loc. **RTE 29, ACROSS FROM DISCOUNT TIRE & AUTO**
 Recorded Size/Material/Type **18 WAY PRE-CAST CONC F.O. VERIZON DUCT**
 Foreman/Truck#/Form By **M. RUPERT / #224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
 is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
 is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29, @ END OF SIDEWALK NEAR TEXACO STATION**

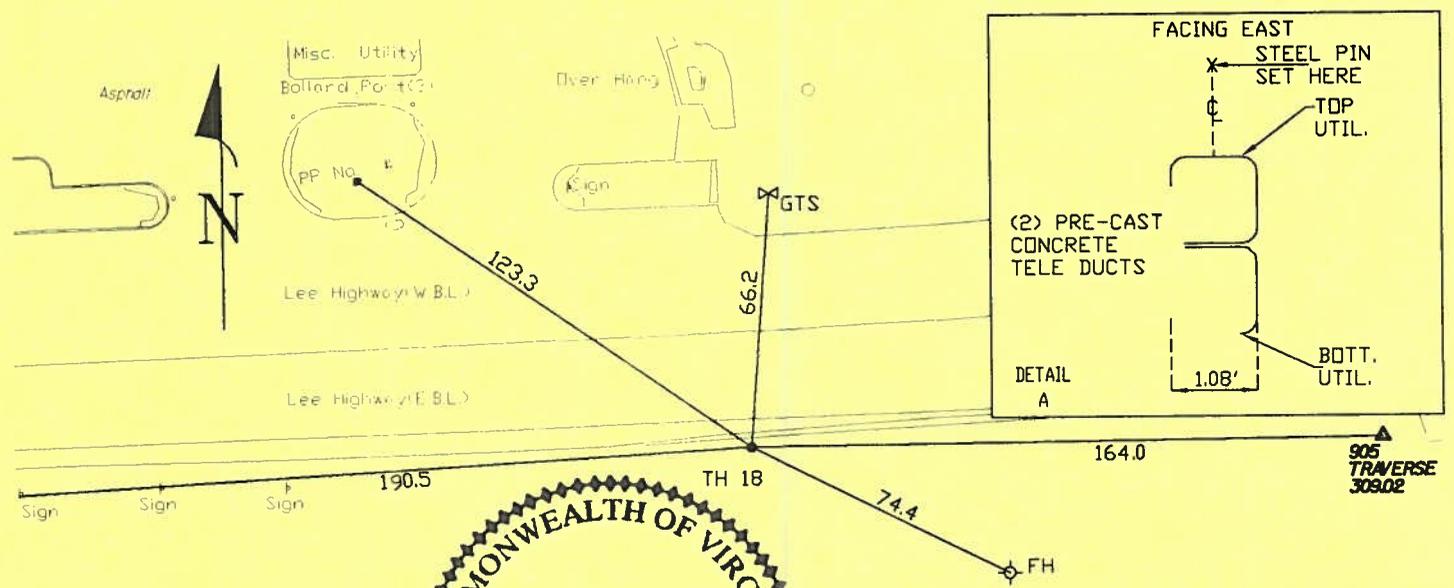
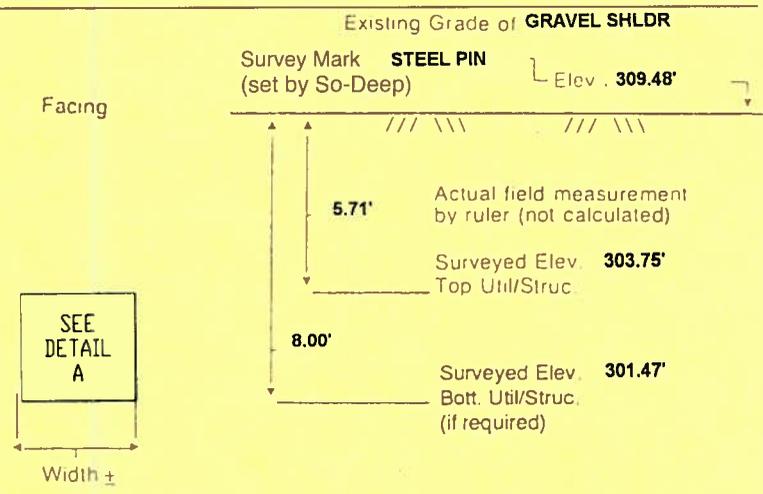
So-Deep will attempt to use the BM/ HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Benchmarks Check **BY 0.02'**
 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 **NO PAVING**
 Color of ribbon installed **ORANGE**
 Soil Type **WET CLAY**
 Truck Location **GRAVEL SHOULDER**
 T.H. tied to **STEEL PIN**

(2) PRE-CAST CONC F.O. VERIZON DUCTS
 Size/Material/Type
 Portion of pipe exposed for O.D. measurement:
N/A

Remarks: **NONE**



COMMONWEALTH OF VIRGINIA
MELVIN E. SPENCER
 Lic. No. 001937
Melvin E. Spencer
 3-17-10
 L.A.D. SURVEYOR

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Note: 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 responsible only for information shown on our forms.



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLC352**
Test Hole # **19**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **MARCH 4, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE 29, ACROSS FROM DISCOUNT AUTO**
Recorded Size/Material/Type **18 WAY PRE-CAST CONC F.O. VERIZON DUCT**
Foreman/Truck#/Form By **M. RUPERT / #224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION**

Benchmarks Check **BY 0.02'**
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.

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 **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **PEG**

(2) PRE-CAST CONC F.O. VERIZON DUCTS

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

Remarks: **NONE**

Existing Grade of **GRASS R/W**

Survey Mark **PEG**
(set by So-Deep) Elev. **309.48'**

Facing

/// \\\

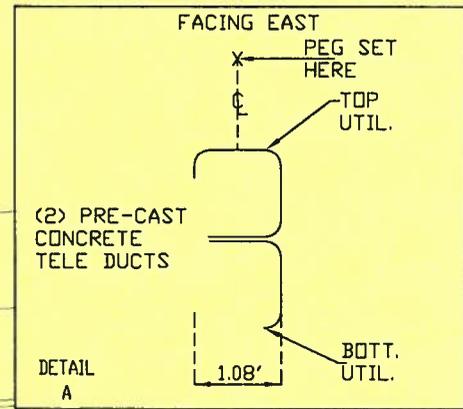
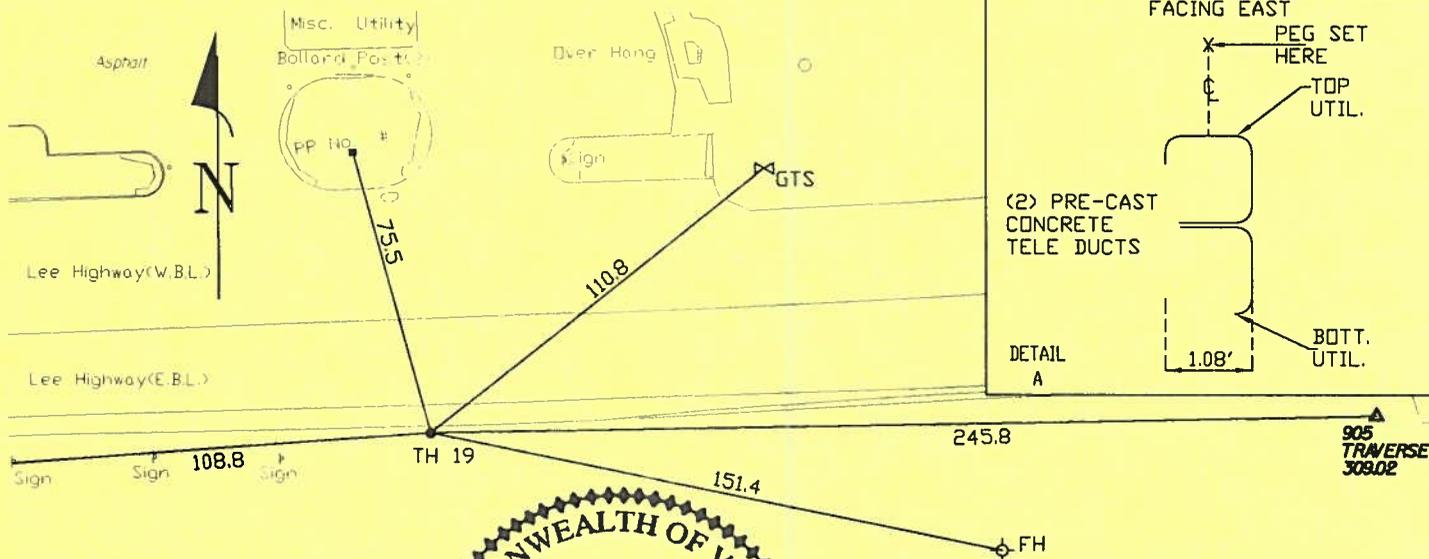
4.10' Actual field measurement
by ruler (not calculated)

Surveyed Elev. **305.38'**
Top Util/Struc.

6.40' Surveyed Elev. **303.07'**
Bott. Util/Struc.
(if required)



Width ±



COMMONWEALTH OF VIRGINIA
MELVIN E. SPENCER
Lic. No. 001937
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- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- = Fire Hydrant
- = Pole
- - - = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ⊕ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form
Utility Quality Level A Data

ASCE C/ 38-02

Control # VCLC352
Test Hole # 20
Plan Scale 1"=25'
Sheet # 2
Proposed GRADE CHANGE
Date FEBRUARY 25, 2010

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. KOREAN CHURCH OF VISION & LOVE, RTE 29
Recorded Size/Material/Type 12" C.I. WATER LINE
Foreman/Truck#/Form By R. BIRKENSTOCK / #221 / D. STATLER

Condition of paving prior to work
ASPHALT RDWY IN GOOD CONDITION

B.M. 1 Elev. = 309.76'
is GIVEN

Description: (TRAV 904) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 335'± E OF LITTLE ROCKY RUN

B.M. 2 Elev. = 306.43'
is GIVEN

Description: CHIS "X" SET SAN SEWER MH RIM N SIDE OF
RTE 29, 215'± E OF LITTLE ROCKY RUN

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.

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

Recorded Size/Type of utility WAS NOT FOUND, SEE REMARKS

There WERE NOT additional utilities in the test hole

The utility WAS in good condition

Paving Thickness and type 2" ASPHALT

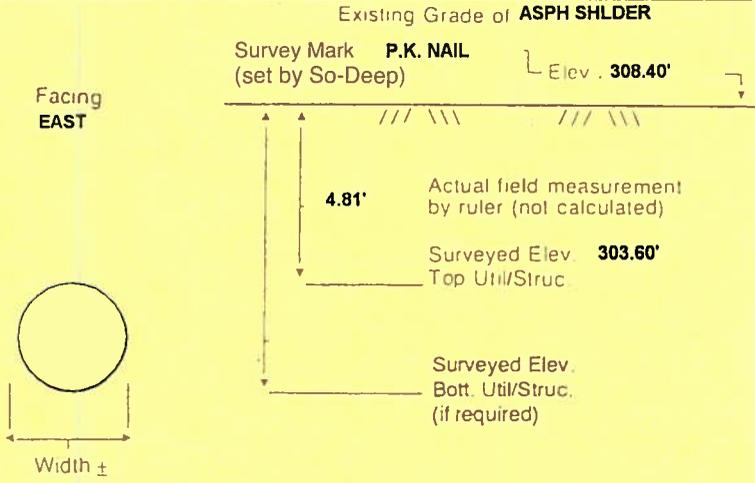
Color of ribbon installed BLUE

Soil Type WET CLAY

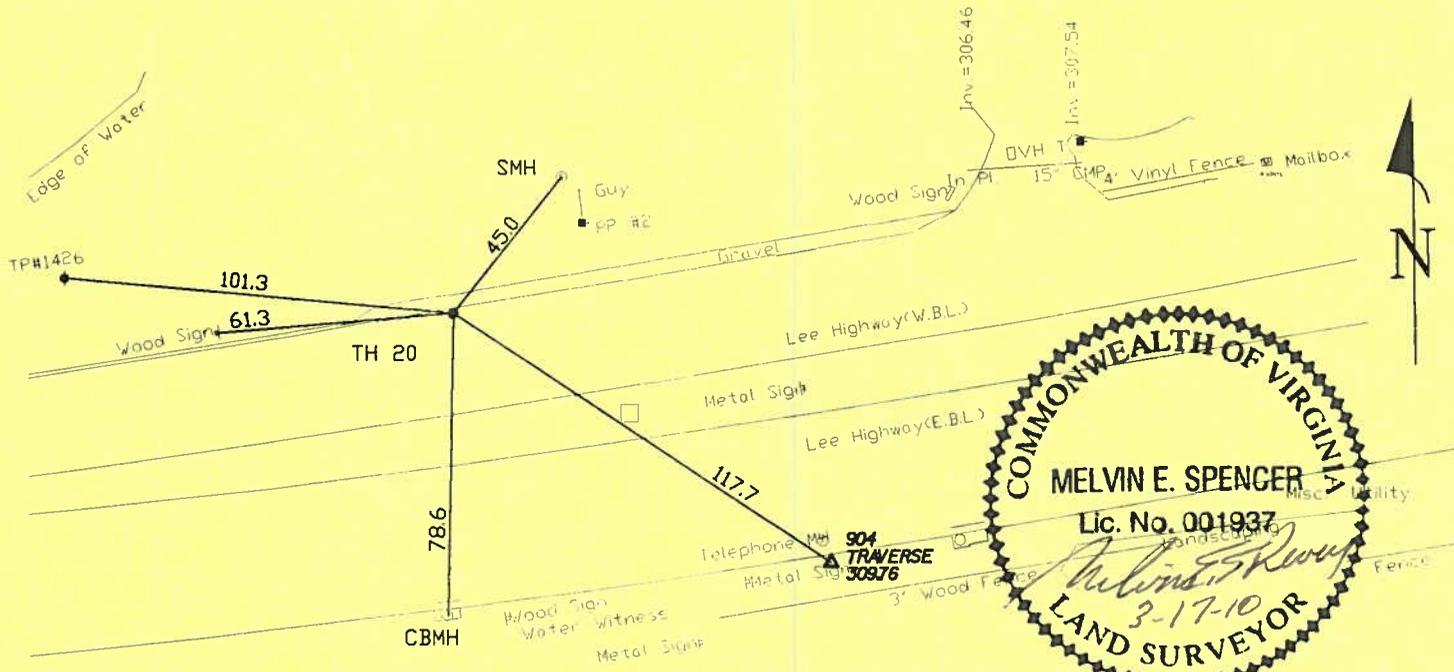
Truck Location ASPH SHOULDER

T.H. tied to P.K. NAIL

12 3/4" D.I. WATER LINE
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL



Remarks: *FAIRFAX COUNTY WATER RECORDS INDICATE THIS TO BE
A 12" C.I. WATER LINE. CREW FOUND A 12 3/4" D.I. WATER LINE AT
THIS LOCATION.



- RW = Rights of Way
N.T.S. = Not to Scale
* = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
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 dimensions onto 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"
.58' = 7"
.67' = 8"
.75' = 9"
.83' = 10"
.92' = 11"
Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal



The Subsurface Utility Engineering Company

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Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **21**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **FEBRUARY 25, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **KOREAN CHURCH OF VISION & LOVE, RTE 29**
Recorded Size/Material/Type **12" D.I. WATER LINE**
Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV 904) CAP & REBAR FOUND SOUTH SIDE RTE 29, 335± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **306.43'**
is **GIVEN**

Description: **CHIS "X" SET SAN SEWER MH RIM N SIDE OF RTE 29, 215± E OF LITTLE ROCKY RUN**

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.

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **ASPH SHLDR**

There **WERE NOT** additional utilities in the test hole

Survey Mark **P.K. NAIL***
(set by So-Deep) Elev. **308.90'**

The utility **WAS** in good condition

Facing **EAST**

Paving Thickness and type **NO PAVING**

4.48' Actual field measurement by ruler (not calculated)

Color of ribbon installed **BLUE**

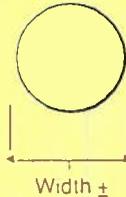
Surveyed Elev. **304.44'**
Top Util/Struc

Soil Type **WET CLAY**

Truck Location **DIRT SHOULDER**

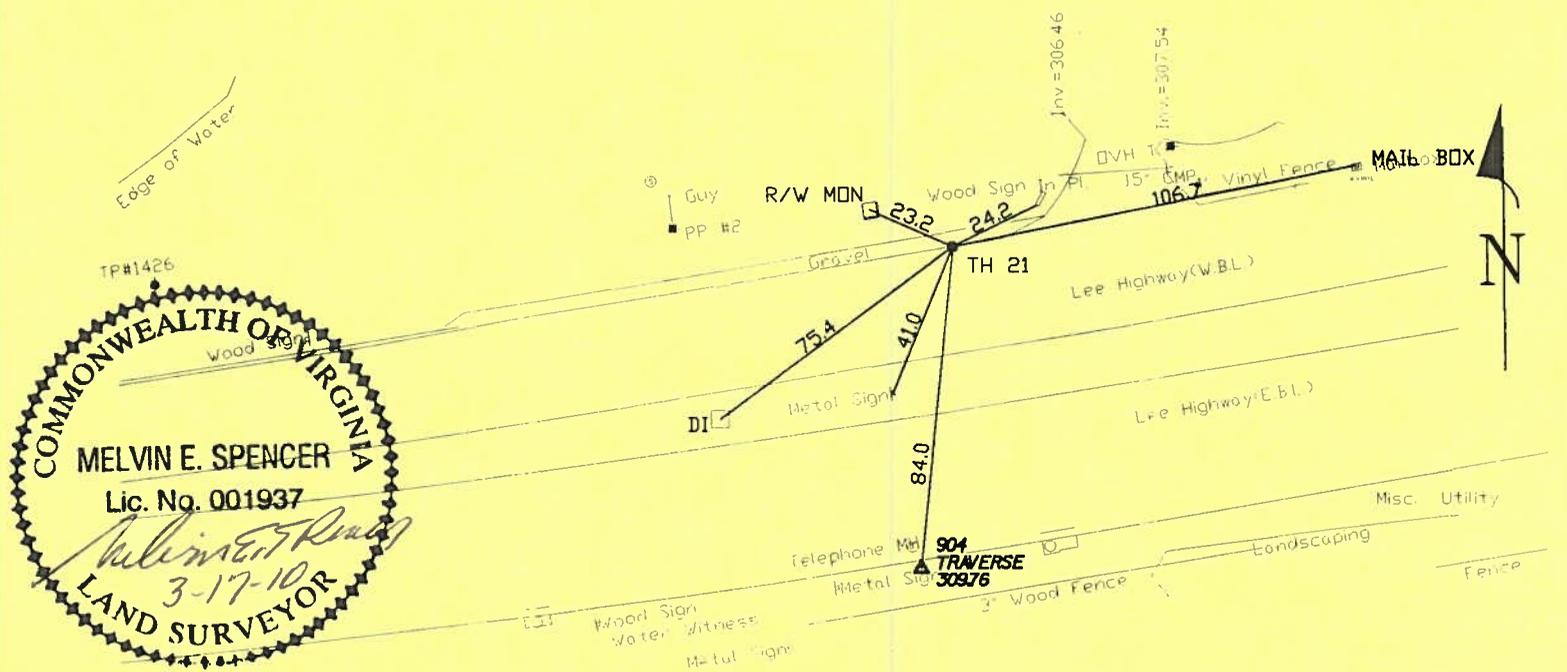
T.H. tied to **P.K. NAIL***

12 3/4" D.I. WATER LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL



Surveyed Elev. **308.90'**
Bott. Util/Struc. (if required)

Remarks: ***TH WAS DUG IN DIRT SHOULDER, P.K. NAIL WAS SET IN THE ASPHALT SHOULDER.**



- | | |
|---------------------------|--------------------|
| R/W = Rights of Way | T.C. = Terra Cotta |
| N.T.S. = Not to Scale | PLAS. = Plastic |
| * = Not Shown on Plan | BL = Base Line |
| PCC = Precast Concrete | ELEC. = Electric |
| COND. = Conduit | TELE. = Telephone |
| CONC. = Concrete | T.H. = Test Hole |
| O.D. = Outside Diameter | SW = Sidewalk |
| C.I. = Cast Iron | DW = Driveway |
| D.I. = Ductile Iron | BM = Benchmark |
| RPC = Rough Pour Concrete | C.B. = Catch Basin |
| CL = 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 dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

- | | |
|------------|-----------------------------|
| 0.8" = 1" | ○ = Sewer Manhole |
| .16" = 2" | ● = Test Hole |
| .25" = 3" | ⊙ = Fire Hydrant |
| .33" = 4" | □ = Pole |
| .42" = 5" | --- = Fence Line |
| .50" = 6" | ⊕ = Electric Manhole |
| .58" = 7" | △ = T.S. = Traverse Station |
| .67" = 8" | ⊗ = Valve |
| .75" = 9" | ⊕ = Water Meter |
| .83" = 10" | ⊕ = Telephone Manhole |
| .92" = 11" | □ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLC352**
Test Hole # **22**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **FEBRUARY 25, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **KOREAN CHURCH OF VISION & LOVE, RTE 29**
Recorded Size/Material/Type **6" WRAPPED STEEL GAS LINE**
Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV 904) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 335'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **306.43'**
is **GIVEN**

Description: **CHIS "X" SET SAN SEWER MH RIM N SIDE OF
RTE 29, 215'± E OF LITTLE ROCKY RUN**

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.

Recorded Size/Type of utility **WAS NOT FOUND, SEE REMARKS**

Existing Grade of **GRASS R/W**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

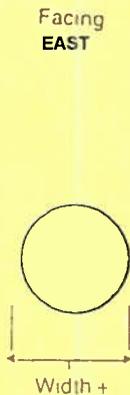
Color of ribbon installed **YELLOW**

Soil Type **WET CLAY**

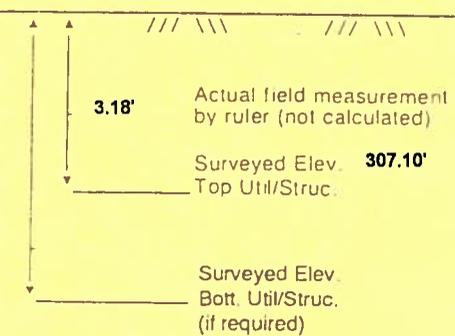
Truck Location **GRASS R/W**

T.H. tied to **PEG**

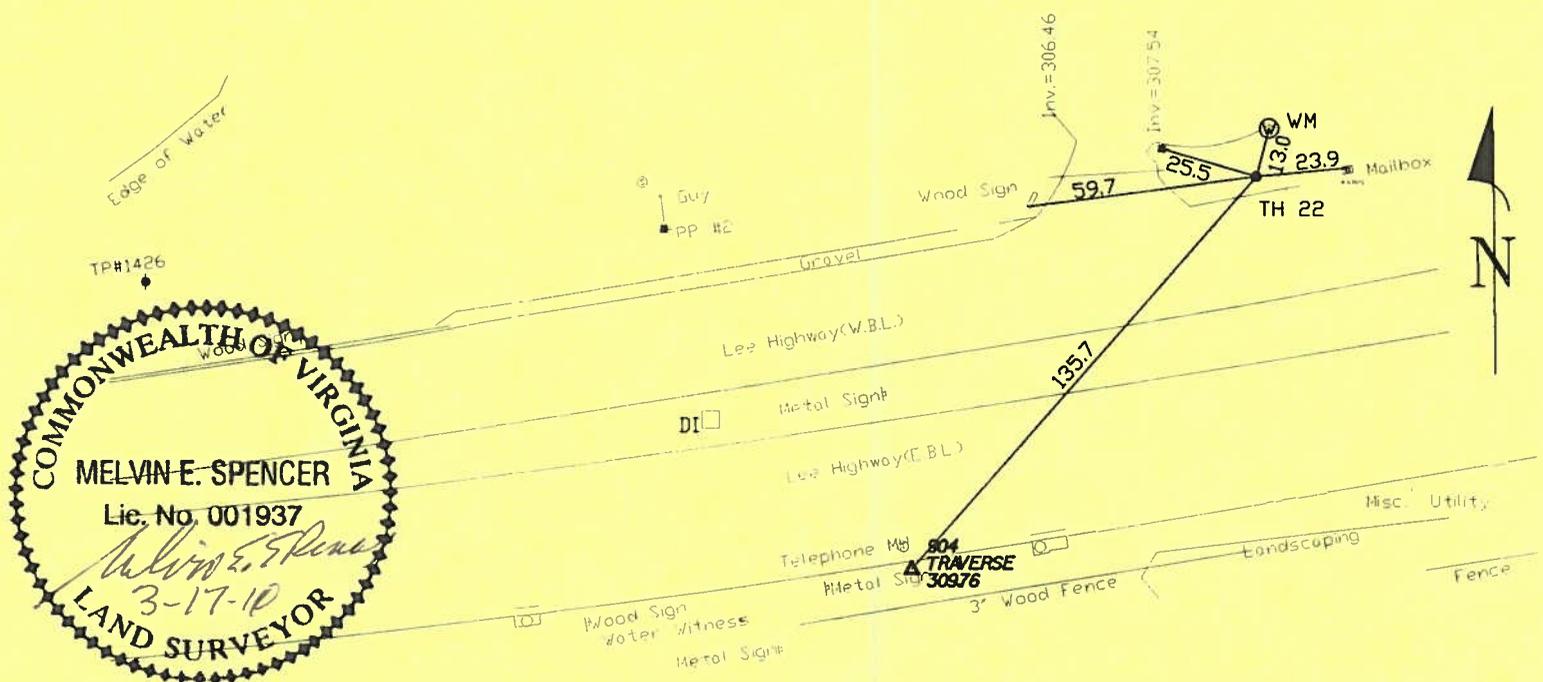
6 1/2" PLASTIC GAS LINE
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL



Survey Mark **PEG**
(set by So-Deep) Elev. **310.26'**



Remarks: **"WGL RECORDS INDICATE THIS TO BE A 6" WRAPPED STEEL GAS LINE. CREW FOUND A 6 1/2" PLASTIC GAS LINE AT THIS LOCATION.**



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

*Performing out-of-sight work...with vision!*TM
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- .08' = 1"
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- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- — — = Fence Line
- ⊕ = Electric Manhole
- ⊕ = T.S. = Traverse Station
- ⊕ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- ⊕ = Telephone Pedestal



The Subsurface Utility Engineering Company

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(703) 361-6005

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLC352**
Test Hole # **23**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **FEBRUARY 25, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **KOREAN CHURCH OF VISION & LOVE, RTE 29**
Recorded Size/Material/Type **(2) 1 1/4" PLASTIC F.O. COX CATV CONDUITS**
Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV 904) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 335'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **306.43'**
is **GIVEN**

Description: **CHIS "X" SET SAN SEWER MH RIM N SIDE OF
RTE 29, 215'± E OF LITTLE ROCKY RUN**

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.

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 **NO PAVING**

Color of ribbon installed **ORANGE**

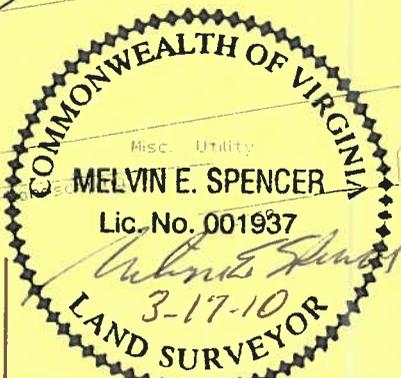
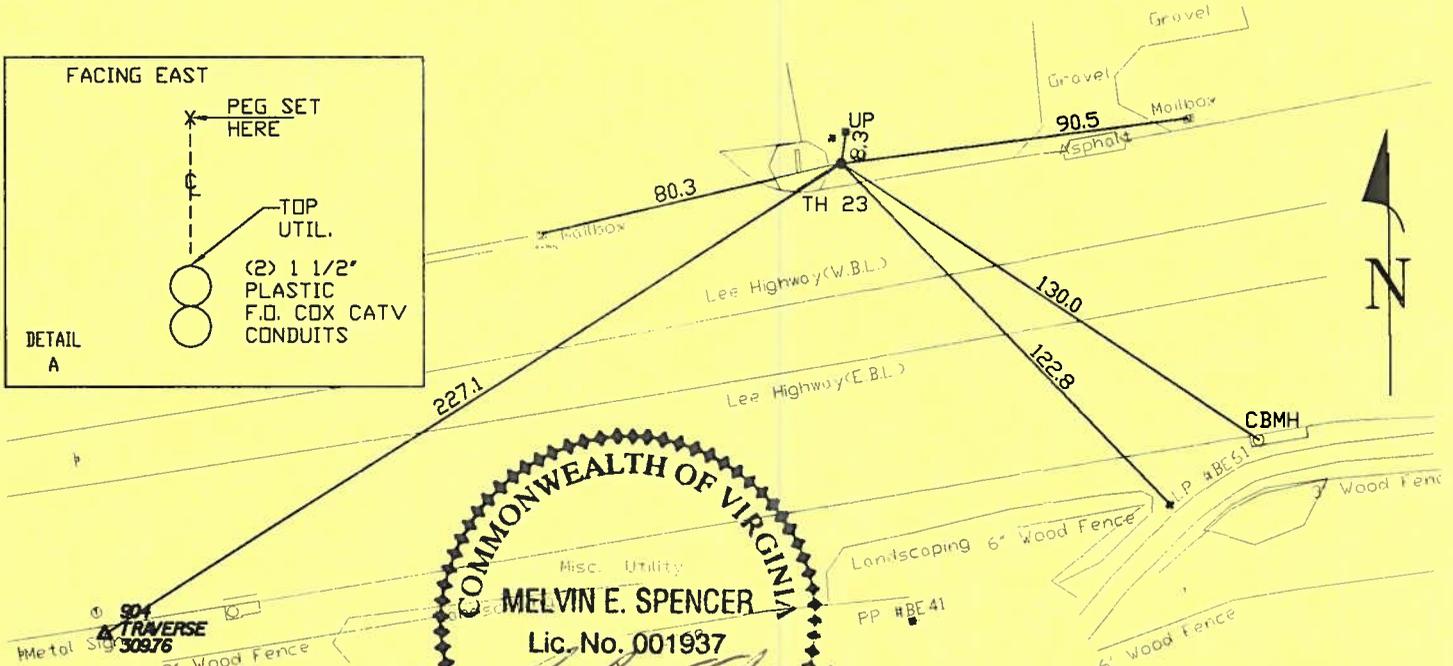
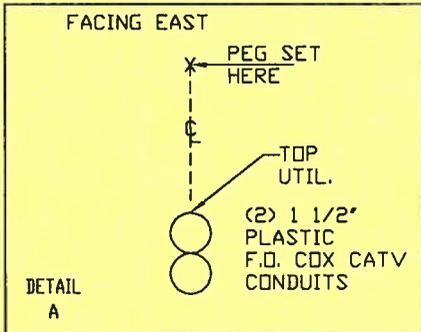
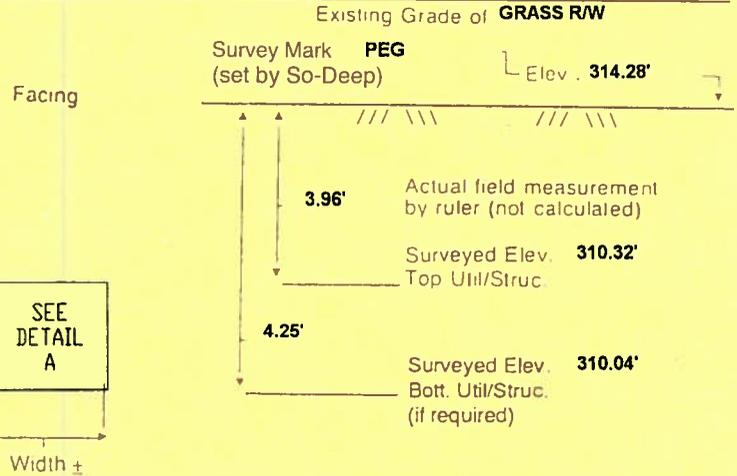
Soil Type **WET CLAY**

Truck Location **GRASS RW**

T.H. tied to **PEG**

(2) 1 1/2" PLASTIC F.O. COX CATV CONDUITS
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: **NONE**



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

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- = Sewer Manhole
- = Test Hole
- = Fire Hydrant
- = Pole
- = Fence Line
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- ⊕ = T.S. = Traverse Station
- △ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **24**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **MARCH 3, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE 29, ACROSS FROM KOREAN CHURCH**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **309.02'**
is **GIVEN**

Description: **(TRAV 905) CAP & REBAR FOUND S SIDE RTE 29, 40'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV 904) CAP & REBAR FOUND SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

Benchmarks Check **BY 0.01'**
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.

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 **NO PAVING**

Color of ribbon installed **BLUE**

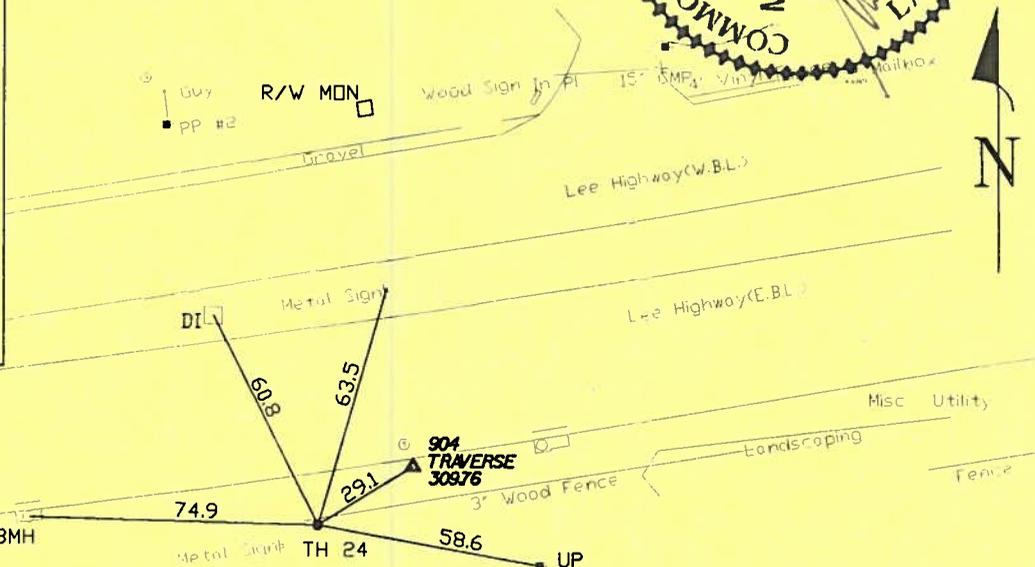
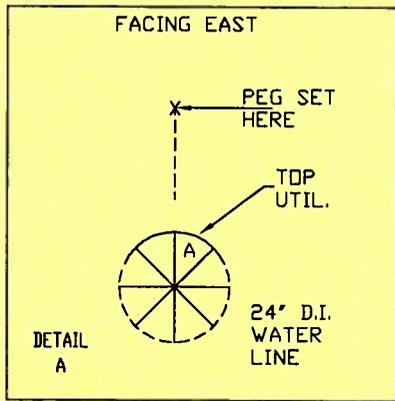
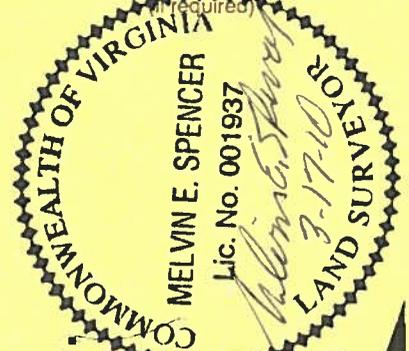
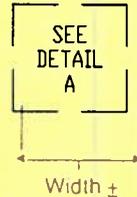
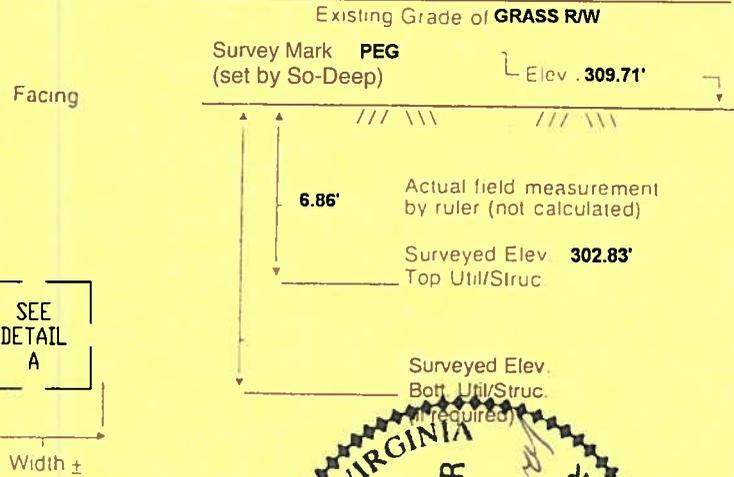
Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **PEG**

24" D.I. WATER LINE*
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT OR A TOP OF UTILITY ROD READING ON THE 24" WATER LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. CONSEQUENTLY, THE ROD READING WAS TAKEN FROM A POINT ALONG OCTANT "A" AS SHOWN IN "DETAIL A." UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THE TH WAS DUG ON THE CORRECT UTILITY.**



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

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

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The Subsurface Utility Engineering Company

8397 Euclid Avenue
Manassas Park, VA 20111
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Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **KOREAN CHURCH OF VISION & LOVE, RTE 29**
Recorded Size/Material/Type **(2) UNK SIZE ELEC CABLES**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

Control # **VCLC352**
Test Hole # **25**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **MARCH 4, 2010**

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM S SIDE RTE 29, 645'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **306.43'**
is **GIVEN**

Description: **CHIS "X" SET SAN SEWER MH RIM N SIDE OF RTE 29, 215'± E OF LITTLE ROCKY RUN**

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.

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 **NO PAVING**

Color of ribbon installed **RED**

Soil Type **CLAY**

Truck Location **GRASS R/W**

T.H. tied to **PEG**

(2) 1 1/2" ELEC CABLES

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

Remarks: **NONE**

Existing Grade of **GRASS R/W**

Survey Mark **PEG**
(set by So-Deep)

Elev. **.317.98'**

Facing

Actual field measurement by ruler (not calculated)

Surveyed Elev. **315.44'**
Top Util/Struc.

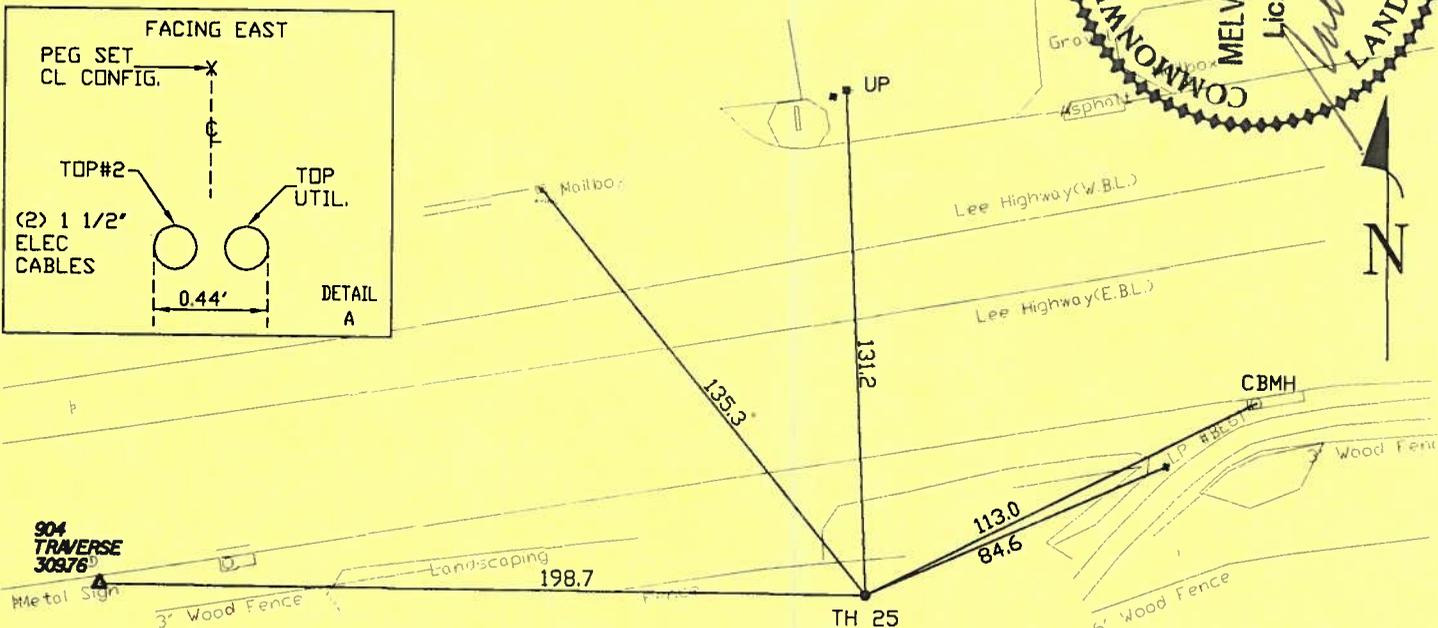
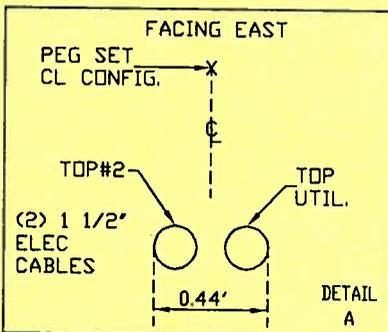
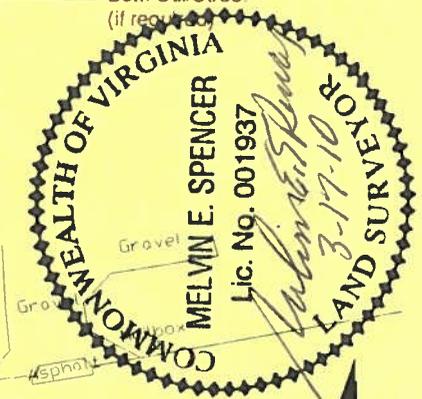
Surveyed Elev. Bott. Util/Struc (if required)



Width ±

TOP#2

ELEV. **315.41**
ACTUAL **2.60**



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

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

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 responsible only for information shown on our forms.

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- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊕ = T.S. = Traverse Station
- ⊕ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- ⊕ = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **26**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **MARCH 3, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE 29, ACROSS FROM KOREAN CHURCH**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **309.02'**
is **GIVEN**

Description: **(TRAV 905) CAP & REBAR FOUND S SIDE RTE 29, 40± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV 904) CAP & REBAR FOUND SOUTH SIDE RTE 29, 335± E OF LITTLE ROCKY RUN**

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.

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 **NO PAVING**

Color of ribbon installed **BLUE**

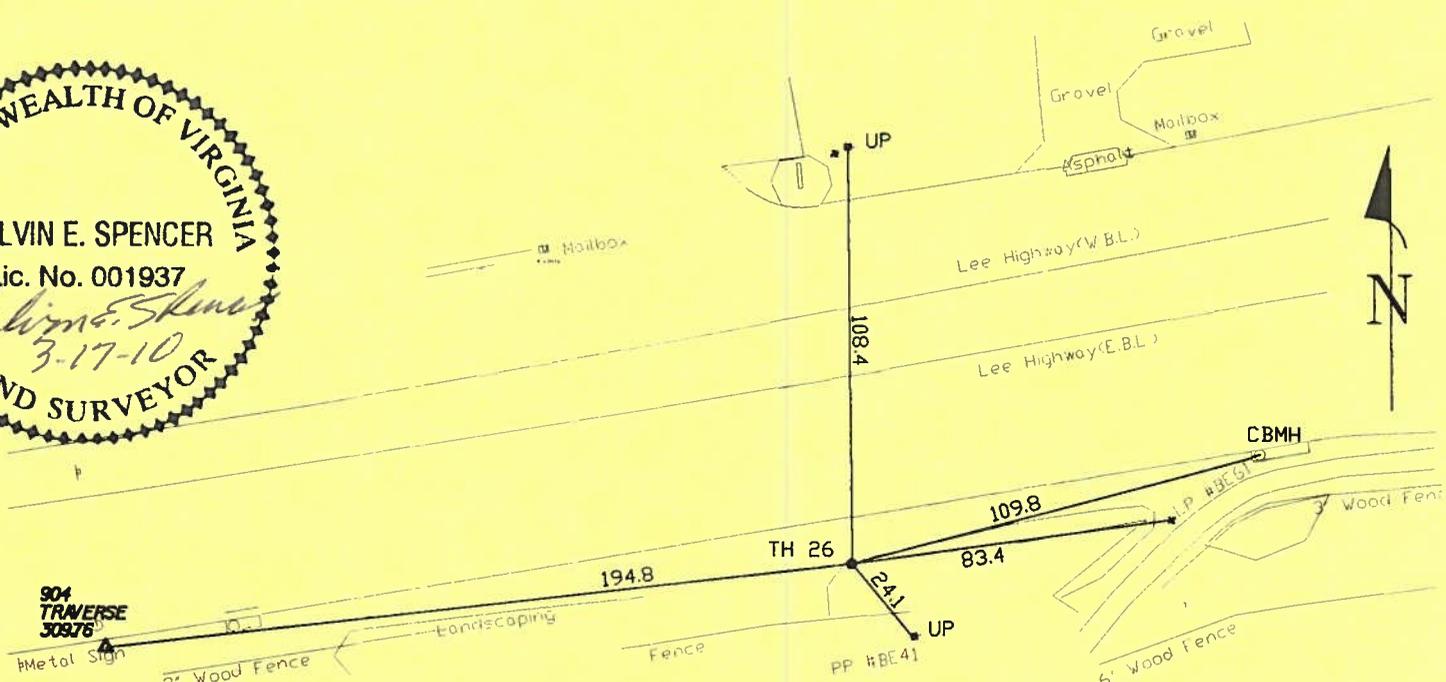
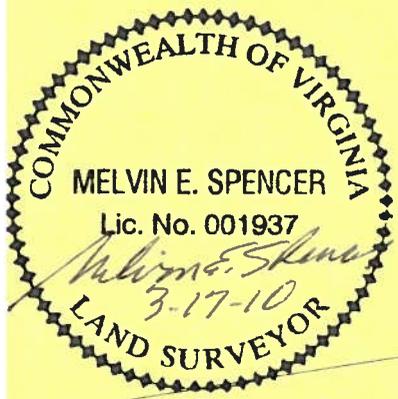
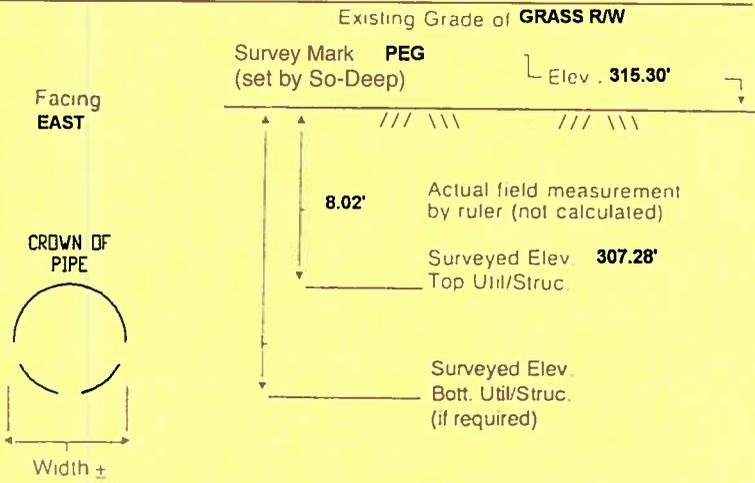
Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **PEG**

24" D.I. WATER LINE*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE 24" WATER LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THE TH WAS DUG ON THE CORRECT UTILITY.**



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

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

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- | | |
|------------|-----------------------------|
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| .33' = 4" | □ = Pole |
| .42' = 5" | —+— = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | ⊖ = T.S. = Traverse Station |
| .67' = 8" | ⊗ = Valve |
| .75' = 9" | ⊙ = Water Meter |
| .83' = 10" | ⊕ = Telephone Manhole |
| .92' = 11" | ⊖ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **27**
Plan Scale **1"=25'**
Sheet # **3**
Proposed **GRADE CHANGE**
Date **MARCH 4, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **KOREAN CHURCH OF VISION & LOVE, RTE 29**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM S SIDE RTE 29, 645'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **306.43'**
is **GIVEN**

Description: **CHIS "X" SET SAN SEWER MH RIM N SIDE OF RTE 29, 215'± E OF LITTLE ROCKY RUN**

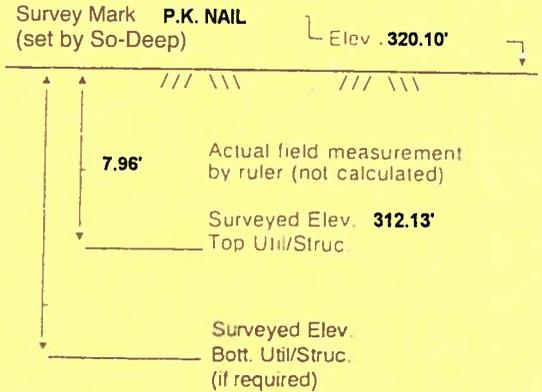
So-Deep will attempt to use the BM/ HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **ASP SIDEWALK**

There **WERE NOT** additional utilities in the test hole



The utility **WAS** in good condition

Facing **EAST**

Paving Thickness and type **NO PAVING**

CROWN OF PIPE

Color of ribbon installed **BLUE**



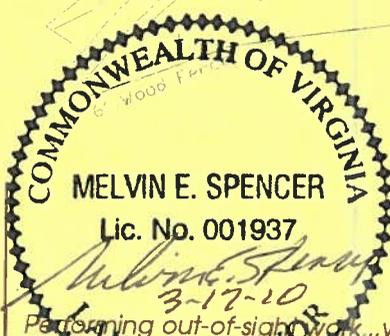
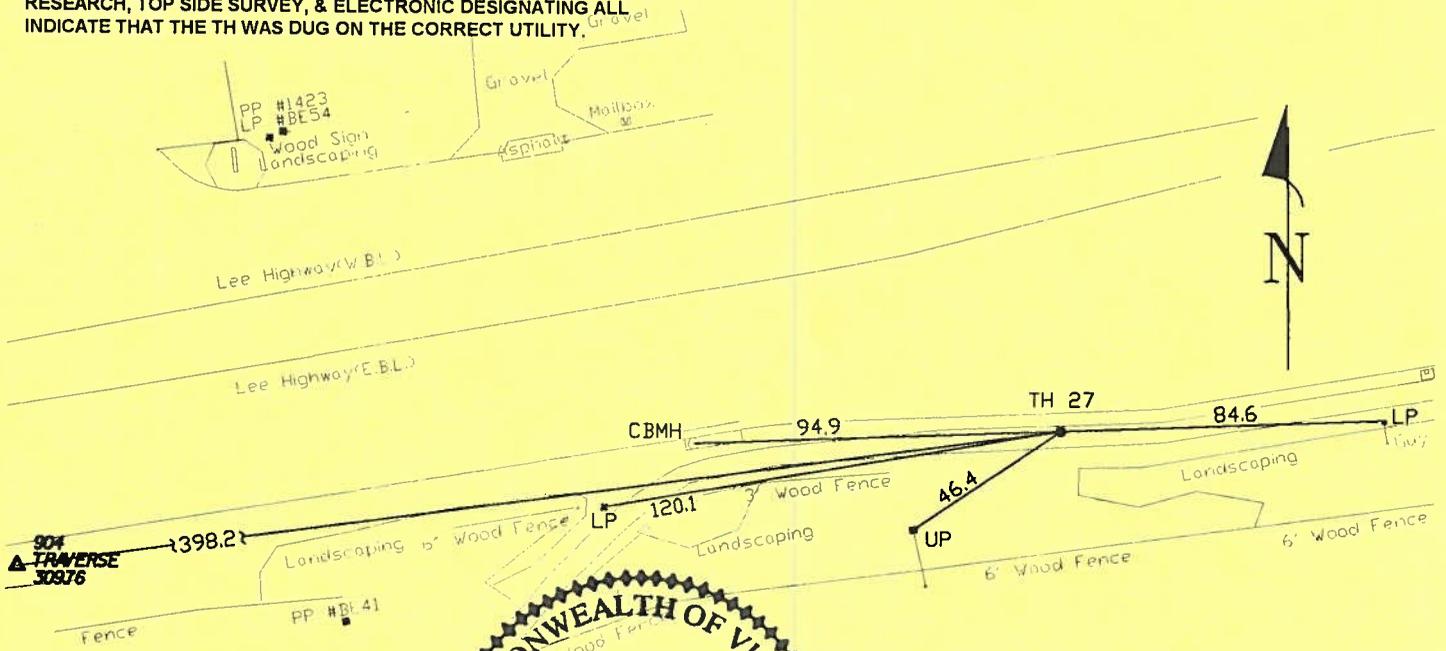
Soil Type **WET CLAY**

Truck Location **GRASS R/W**

T.H. tied to **P.K. NAIL**

24" D.I. WATER LINE*
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE 24" WATER LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.**



- | | |
|---------------------------|--------------------|
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| COND. = Conduit | TELE = Telephone |
| CONC. = Concrete | T.H. = Test Hole |
| O.D. = Outside Diameter | SW = Sidewalk |
| C.I. = Cast Iron | DW = Driveway |
| D.I. = Ductile Iron | BM = Benchmark |
| RPC = Rough Pour Concrete | C.B. = Catch Basin |
| CL = Centerline | GV = Gas Valve |

Note: To eliminate mistakes and check this work, So-Deep suggests you scale and put all dimensions onto the plans and review all elevations carefully. So-Deep is not liable only for information shown on our forms.

- | | |
|------------|-----------------------------|
| .08" = 1" | ○ = Sewer Manhole |
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| .25" = 3" | ⊙ = Fire Hydrant |
| .33" = 4" | □ = Pole |
| .42" = 5" | — — — = Fence Line |
| .50" = 6" | ⊕ = Electric Manhole |
| .58" = 7" | △ = T.S. = Traverse Station |
| .67" = 8" | ⊗ = Valve |
| .75" = 9" | ⊕ = Water Meter |
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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **28**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **MARCH 4, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **TEXACO SERVICE STATION, RTE 29**
Recorded Size/Material/Type **12" D.I. WATER LINE**
Foreman/Truck#/Form By **R.T. DAVIS / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
ASP SHOULDER IN GOOD CONDITION

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN C.B. MH RIM N SIDE OF RTE 29,
@ END OF SIDEWALK NEAR TEXACO STATION**

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.

Benchmarks Check **BY 0.02'**
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 **10" ASPHALT**

Color of ribbon installed **BLUE**

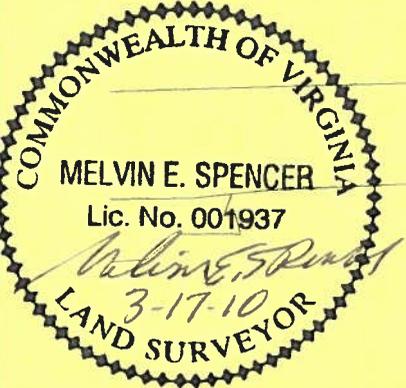
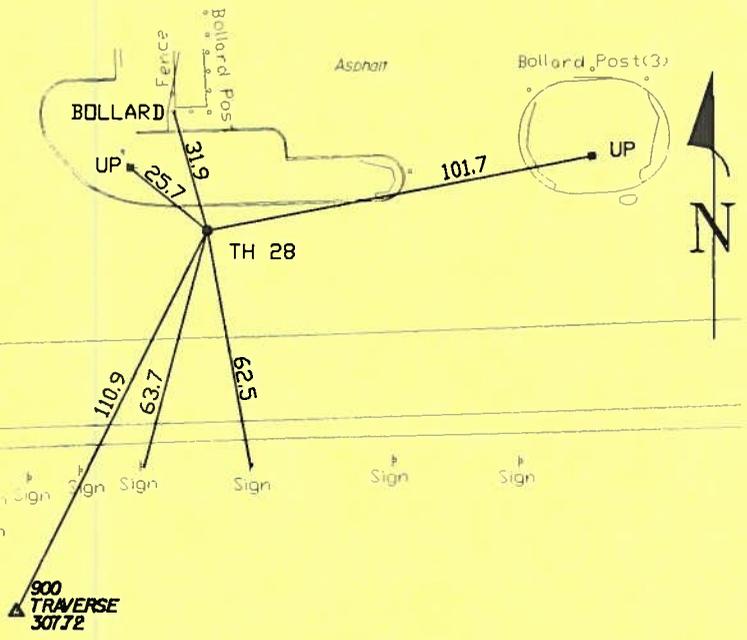
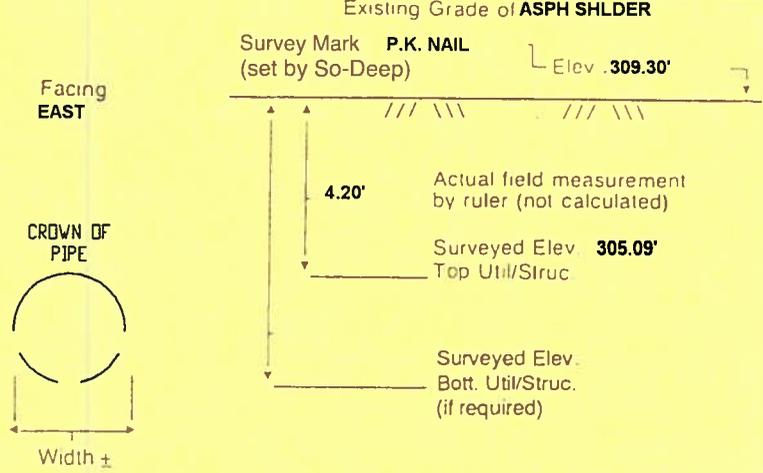
Soil Type **WET CLAY**

Truck Location **ASP SHOULDER**

T.H. tied to **P.K. NAIL**

12" D.I. WATER LINE*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE 12" WATER LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, & ELECTRONIC DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.**



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- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline
- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

Performing out-of-sight work...with vision!TM
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- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- with cross = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊕ with T.S. = Traverse Station
- ⊕ with V = Valve
- ⊕ with W = Water Meter
- ⊕ with T = Telephone Manhole
- ⊕ with P = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **29**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **FEBRUARY 27, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **DISCOUNT TIRE & AUTO, RTE 29**
Recorded Size/Material/Type **12" D.I. WATER LINE**
Foreman/Truck#/Form By **S. CLARK / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV 901) CAP & REBAR FOUND N SIDE RTE 29,
125'± W OF LITTLE ROCKY RUN**

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.

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 **NO PAVING**

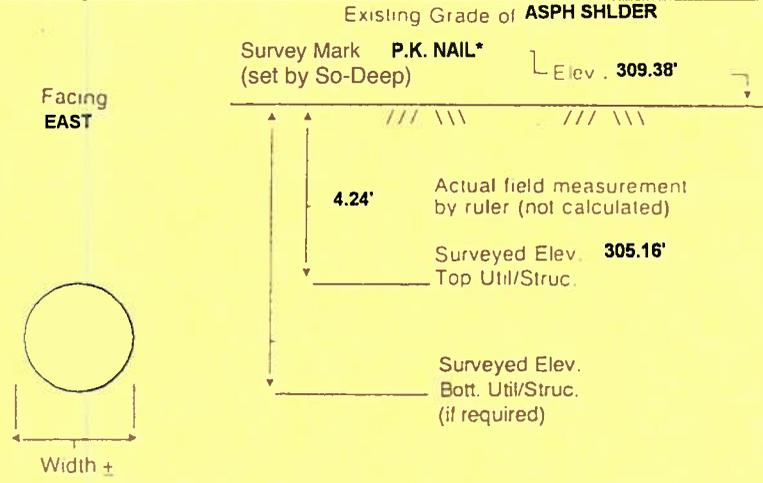
Color of ribbon installed **BLUE**

Soil Type **WET CLAY**

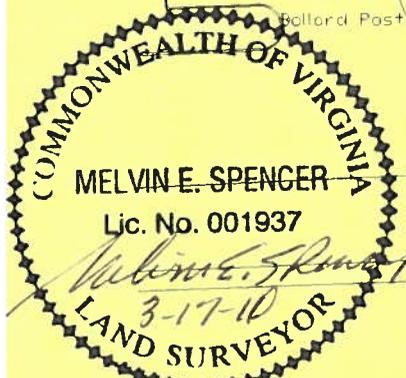
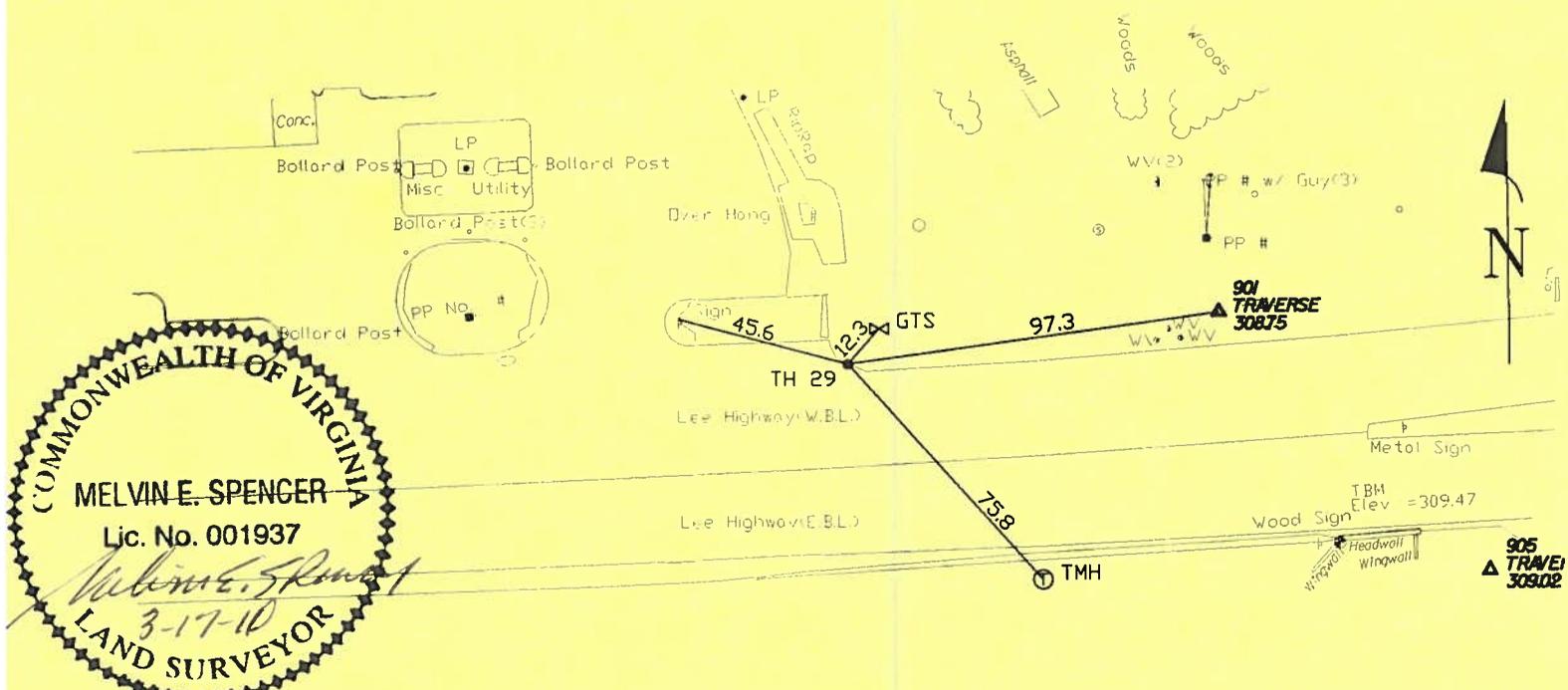
Truck Location **GRAVEL SHOULDER**

T.H. tied to **P.K. NAIL***

12 3/4" D.I. WATER LINE
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL



Remarks: *TH WAS DUG IN GRAVEL SHOULDER, P.K. NAIL WAS SET IN THE ASPHALT SHOULDER.



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- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline
- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
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- △ = T.S. = Traverse Station
- ⊗ = Valve
- ⊙ = Water Meter
- ⊕ = Telephone Manhole
- = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLC352**
Test Hole # **30**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **FEBRUARY 27, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **DISCOUNT TIRE & AUTO, RTE 29**
Recorded Size/Material/Type **6" WRAPPED STEEL GAS LINE**
Foreman/Truck#/Form By **S. CLARK / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV 901) CAP & REBAR FOUND N SIDE RTE 29,
125± W OF LITTLE ROCKY RUN**

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.

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **GRASS R/W**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **YELLOW**

Soil Type **WET CLAY**

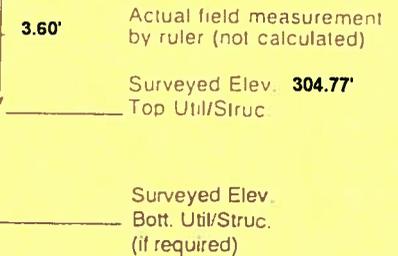
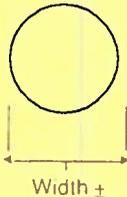
Truck Location **GRASS R/W**

T.H. tied to **PEG**

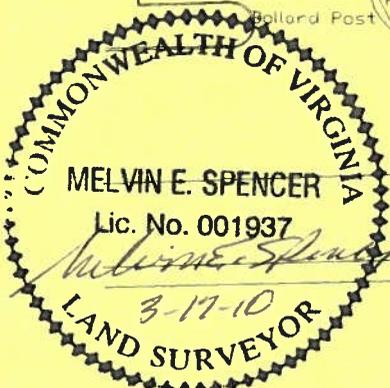
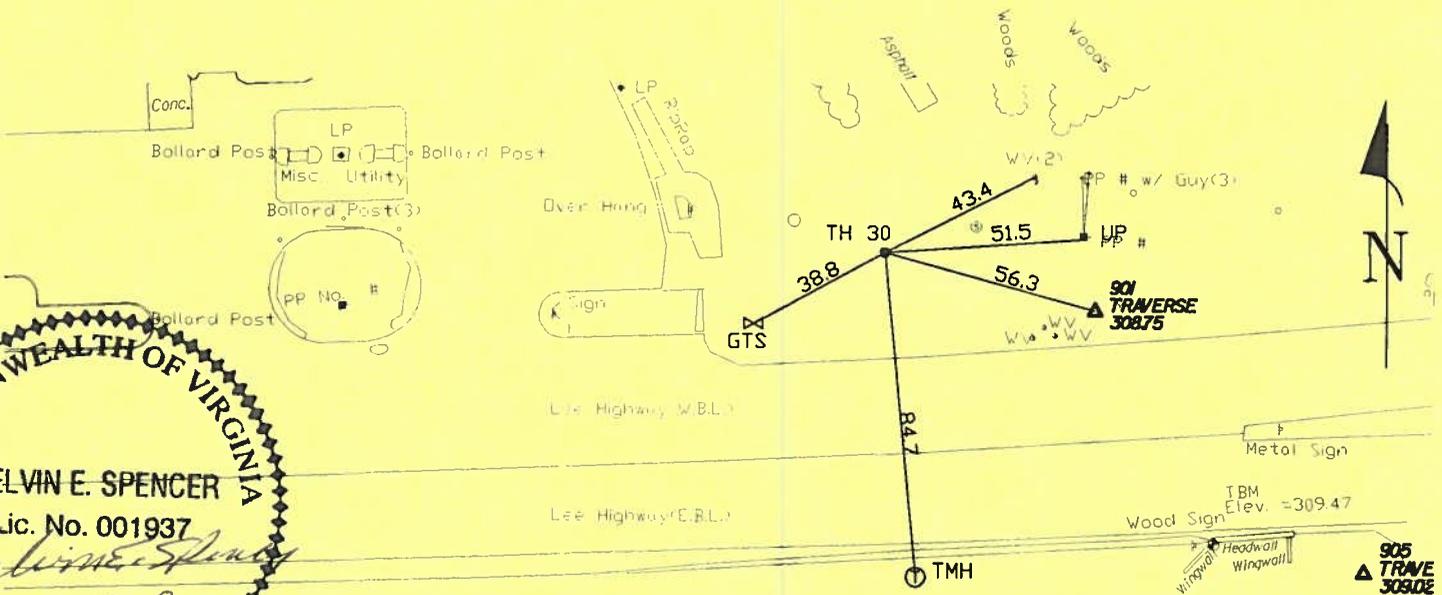
6 3/4" W/STL GAS LINE
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Survey Mark **PEG**
(set by So-Deep) Elev. **308.38'**

Facing
NORTHEAST



Remarks: *** NONE**



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- CONC. = Concrete
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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **KOREAN CHURCH OF VISION & LOVE, RTE 29**
Recorded Size/Material/Type **6" PLASTIC GAS LINE**
Foreman/Truck#/Form By **R. BIRKENSTOCK / #221 / D. STATLER**

Condition of paving prior to work
NO PAVING

Control # **VCLC352**
Test Hole # **31**
Plan Scale **1"=25'**
Sheet # **2**
Proposed **GRADE CHANGE**
Date **FEBRUARY 25, 2010**

B.M. 1 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV 904) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 335'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **306.43'**
is **GIVEN**

Description: **CHIS "X" SET SAN SEWER MH RIM N SIDE OF
RTE 29, 215'± E OF LITTLE ROCKY RUN**

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.

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 **NO PAVING**

Color of ribbon installed **YELLOW**

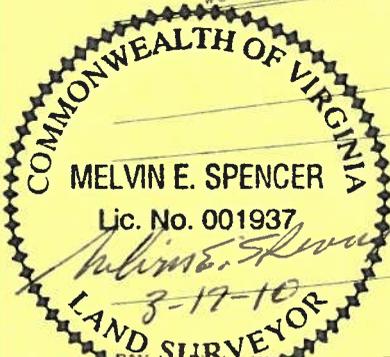
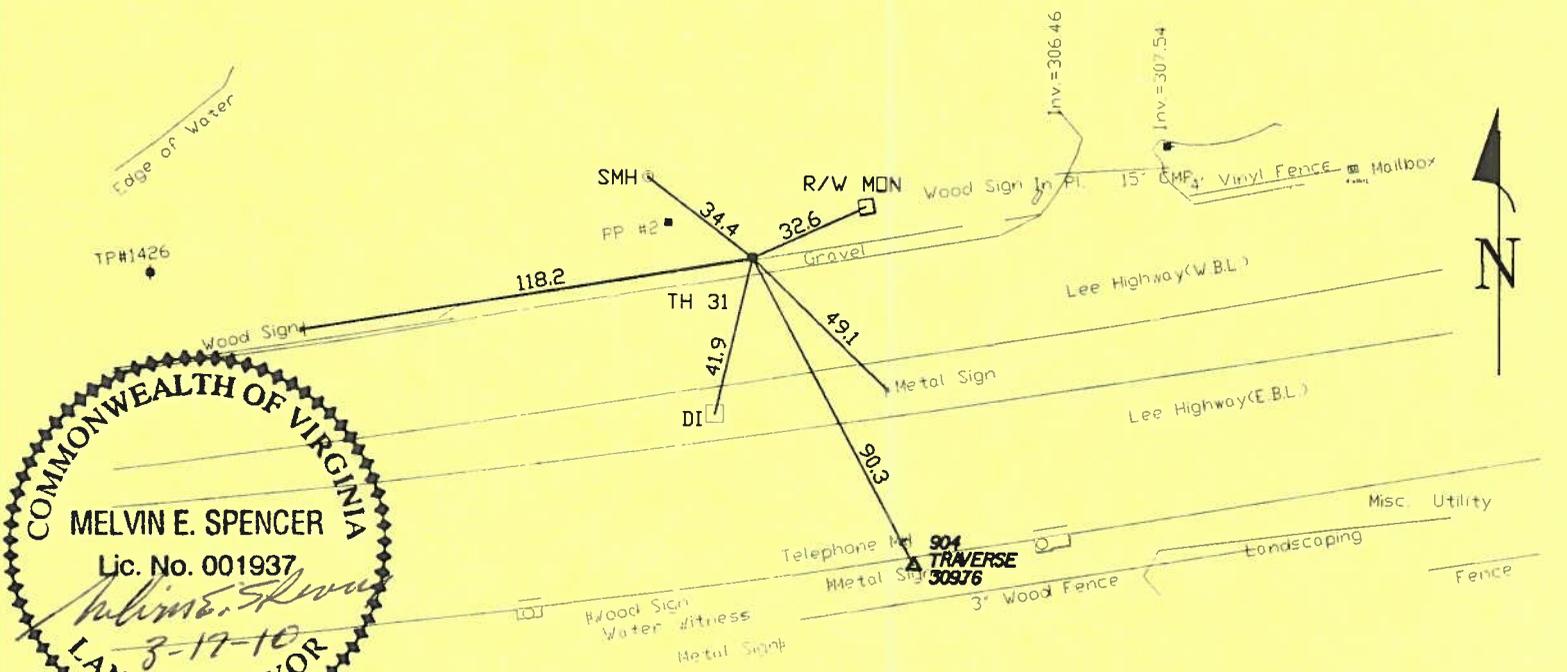
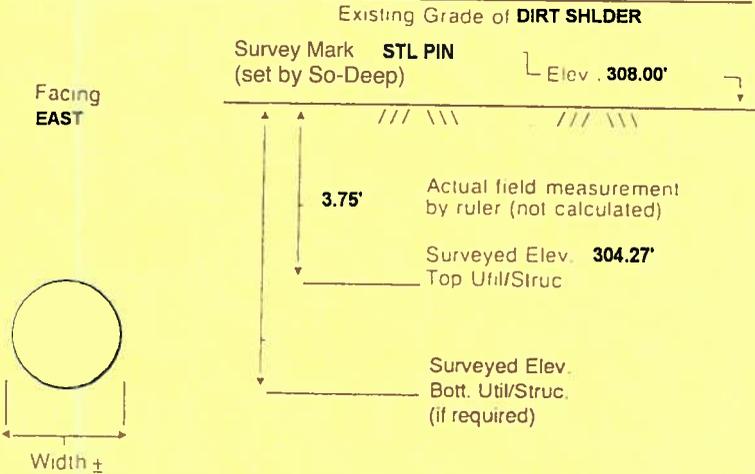
Soil Type **WET CLAY**

Truck Location **DIRT SHOULDER**

T.H. tied to **STL PIN**

6 1/2" PLASTIC GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



- | | |
|--|---|
| <ul style="list-style-type: none"> RAW = Rights of Way N.T.S. = Not To Scale * = Not Shown on Plan PCC = Precast Concrete COND. = Conduit CONC. = Concrete O.D. = Outside Diameter C.I. = Cast Iron D.I. = Ductile Iron RPC = Rough Pour Concrete CL = Centerline | <ul style="list-style-type: none"> T.C. = Terra Cotta PLAS. = Plastic BL = Base Line ELEC. = Electric TELE = Telephone T.H. = Test Hole SW = Sidewalk DW = Driveway BM = Benchmark C.B. = Catch Basin GV = Gas Valve |
|--|---|

- | | |
|---|--|
| <ul style="list-style-type: none"> .08' = 1" .16' = 2" .25' = 3" .33' = 4" .42' = 5" .50' = 6" .58' = 7" .67' = 8" .75' = 9" .83' = 10" .92' = 11" | <ul style="list-style-type: none"> ○ Sewer Manhole ● Test Hole ⊙ Fire Hydrant □ Pole → Fence Line ⊕ Electric Manhole △ T.S. = Traverse Station ⊗ Valve ⊕ Water Meter ⊙ Telephone Manhole □ Telephone Pedestal |
|---|--|

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

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLC352**
Test Hole # **32**
Plan Scale **1"=25'**
Sheet # **1**
Proposed **GRADE CHANGE**
Date **FEBRUARY 27, 2010**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **TEXACO SERVICE STATION, RTE 29**
Recorded Size/Material/Type **6" PLASTIC GAS LINE**
Foreman/Truck#/Form By **S. CLARK / #221 / R. BIRKENSTOCK**

Condition of paving prior to work
ASPH SHOULDER IN GOOD CONDITON

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV 900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV 901) CAP & REBAR FOUND N SIDE RTE 29,
125± W OF LITTLE ROCKY RUN**

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.

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 **9" ASP**

Color of ribbon installed **YELLOW**

Soil Type **WET CLAY**

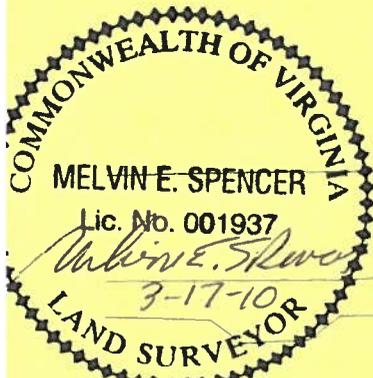
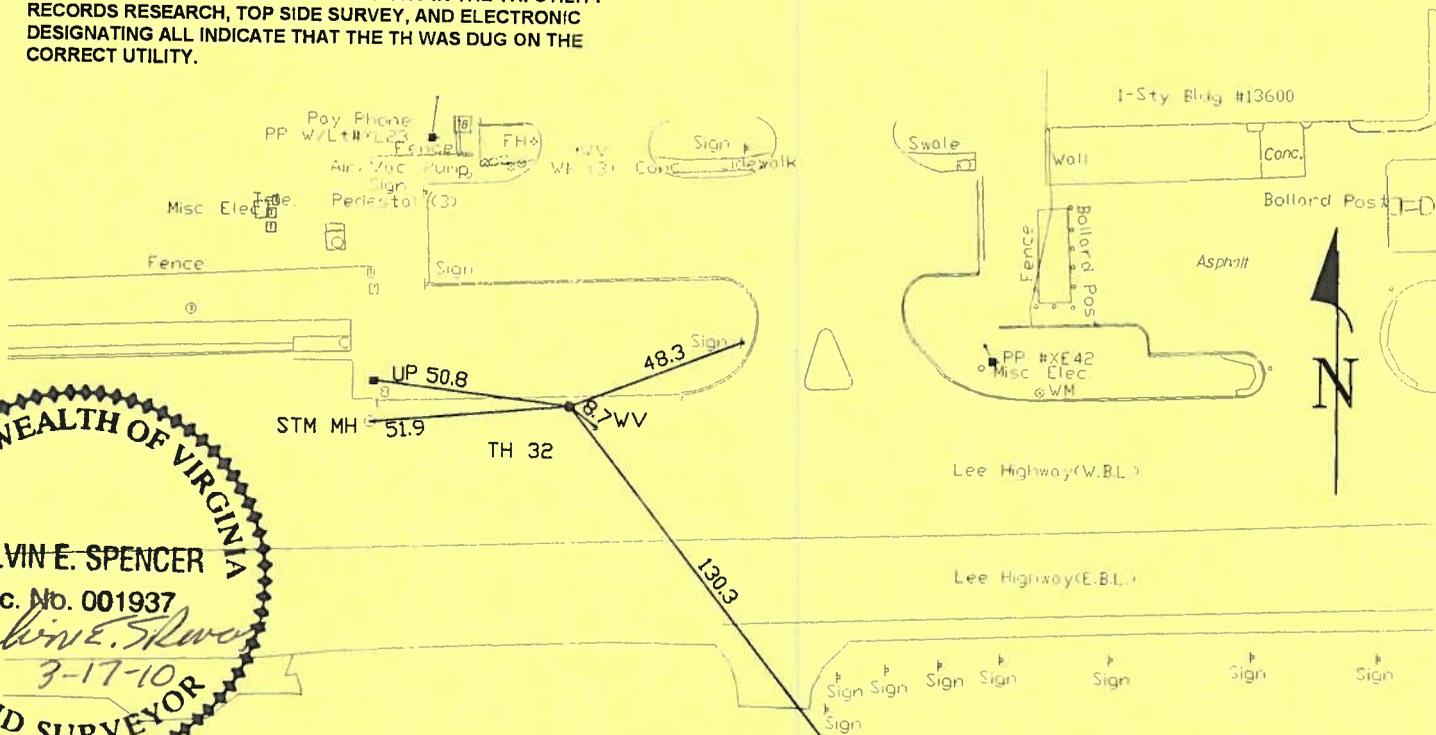
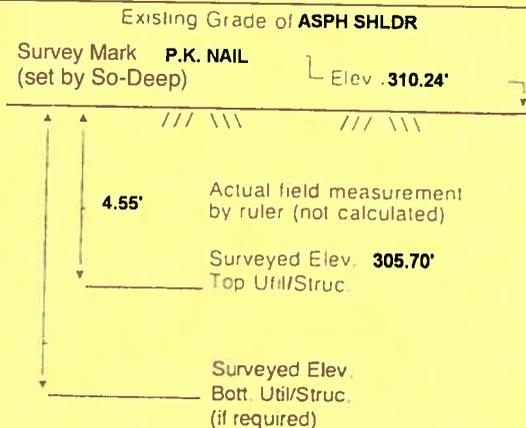
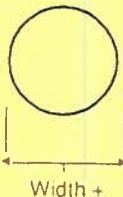
Truck Location **ASPH SHOULDER**

T.H. tied to **P.K. NAIL**

6" PLASTIC GAS LINE*
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
OTHER, (SEE REMARKS)

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE 6" PLASTIC GAS LINE DUE TO COPIOUS WATER & UNSTABLE GROUND CONDITIONS IN THE TH. UTILITY RECORDS RESEARCH, TOP SIDE SURVEY, AND ELECTRONIC DESIGNATING ALL INDICATE THAT THE TH WAS DUG ON THE CORRECT UTILITY.**

Facing
EAST



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

- | | |
|------------|-----------------------------|
| .08" = 1" | ○ = Sewer Manhole |
| .16" = 2" | ● = Test Hole |
| .25" = 3" | ⊙ = Fire Hydrant |
| .33" = 4" | □ = Pole |
| .42" = 5" | —+— = Fence Line |
| .50" = 6" | ⊕ = Electric Manhole |
| .58" = 7" | ⊕ = T.S. = Traverse Station |
| .67" = 8" | ⊕ = Valve |
| .75" = 9" | ⊕ = Water Meter |
| .83" = 10" | ⊕ = Telephone Manhole |
| .92" = 11" | ⊕ = Telephone Pedestal |

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **33**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 12, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **N SIDE RTE 29, WEST OF BLDG #13612**
Recorded Size/Material/Type **12" D.I. WATER LINE**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT RDWY IN GOOD CONDITION

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

Benchmarks Check **BY 0.01'**
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.

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 **10" ASPHALT**

Color of ribbon installed **BLUE**

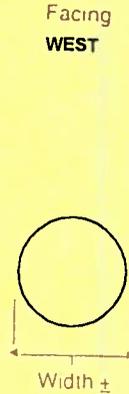
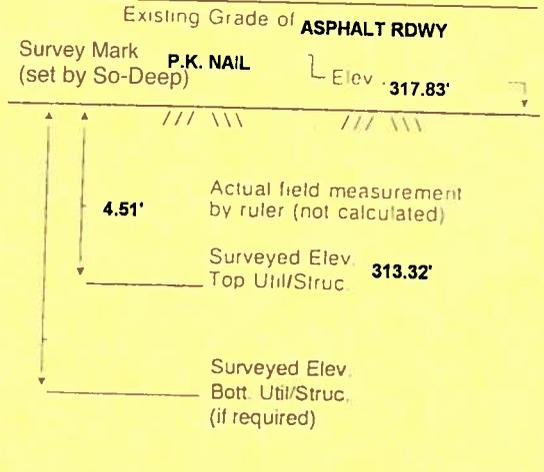
Soil Type **GRAVEL AND CLAY**

Truck Location **ASPHALT RDWY**

T.H. tied to **P.K. NAIL**

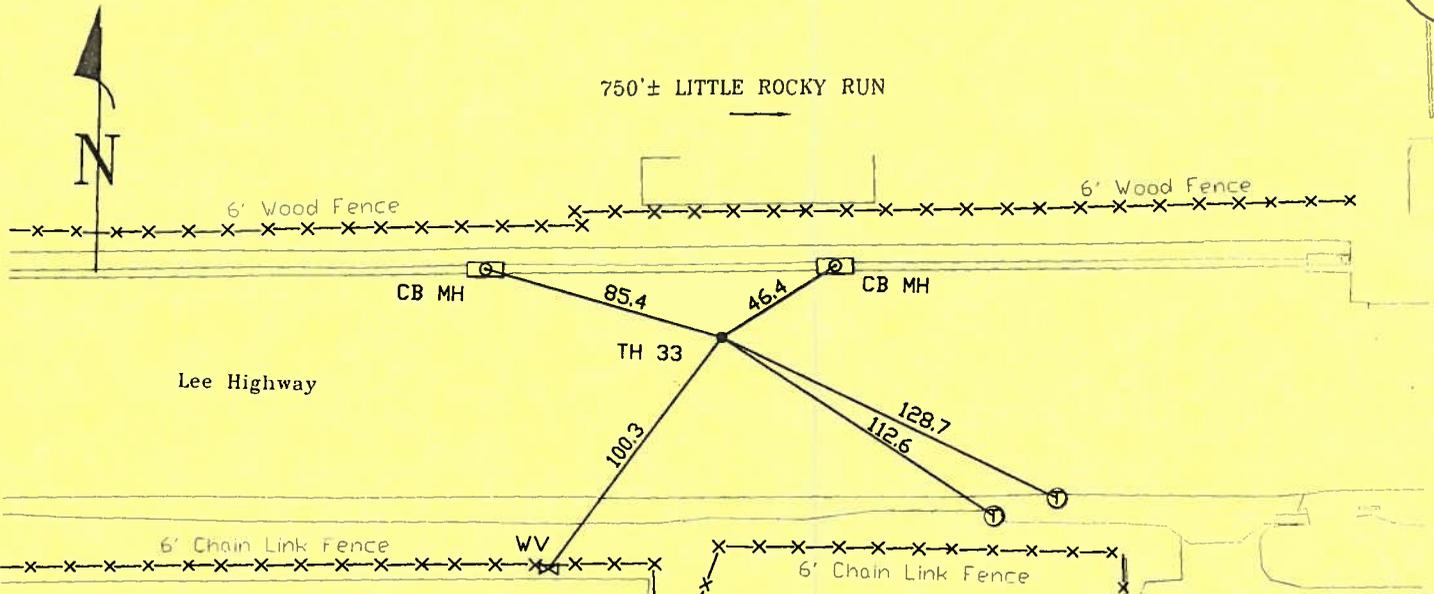
***12 3/4" D.I. WATER LINE**
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



STA 104+00
31 L &

C.A. Spahn
7-28-11



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

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- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | --- = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | △ = T.S. = Traverse Station |
| .67' = 8" | ⊗ = Valve |
| .75' = 9" | ⊕ = Water Meter |
| .83' = 10" | ⊕ = Telephone Manhole |
| .92' = 11" | □ = Telephone Pedestal |



The Subsurface Utility Engineering Company
 8397 Euclid Avenue
 Manassas Park, VA 20111
 (703) 361-6005

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD007**
 Test Hole # **34**
 Plan Scale **1" = 25'**
 Sheet # **1 OF 3**
 Proposed **GRADE CHANGE**
 Date **JULY 12, 2011**

City, County, State **FAIRFAX CO., VA**
 Gen. Loc. **N SIDE RTE 29, WEST OF BLDG #13612**
 Recorded Size/Material/Type **12" D.I. WATER LINE AT UNKNOWN SIZE WATER TAP**
 Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT RDWY IN GOOD CONDITION

B.M. 1 Elev. = **307.72'**
 is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
 is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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 **10" ASPHALT**

Color of ribbon installed **BLUE**

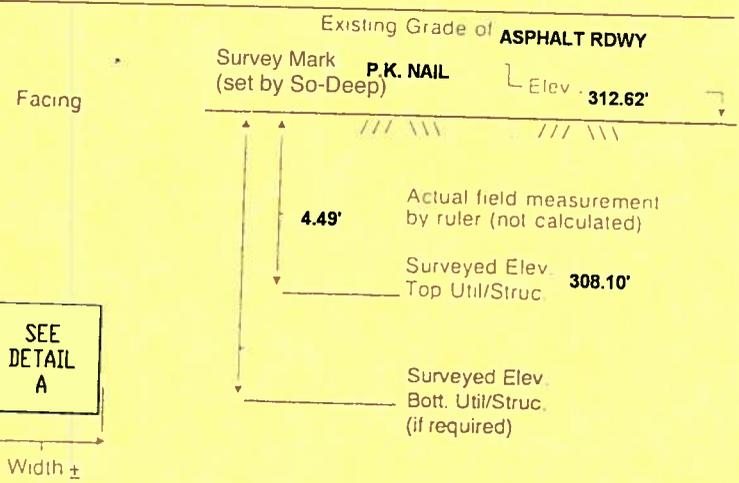
Soil Type **GRAVEL AND CLAY**

Truck Location **ASPHALT RDWY**

T.H. tied to **P.K. NAIL**

***12 3/4" D.I. WATER LINE @ 1" COPPER W/L TAP**
 Size/Material/Type
 Portion of pipe exposed for O.D. measurement:
FULL

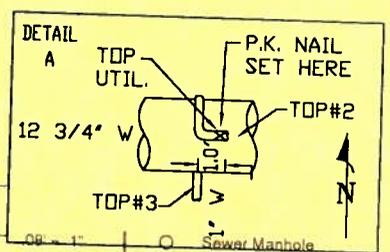
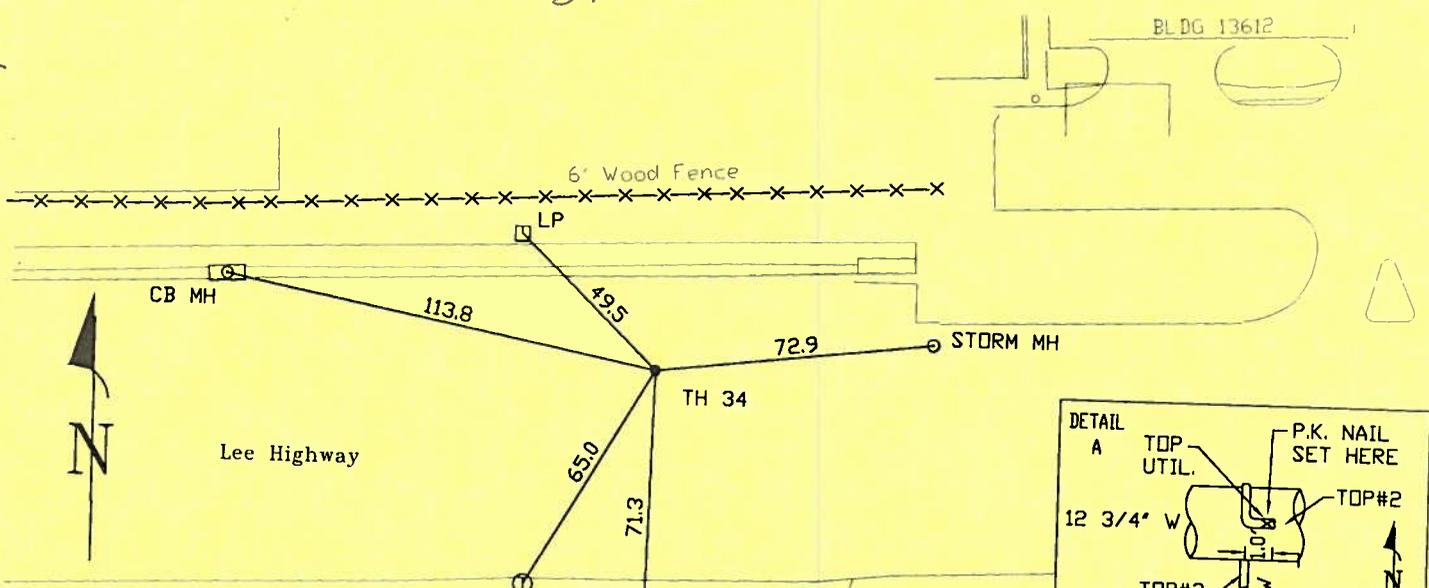
Remarks: **THE 1" COPPER WATER SERVICE GOES UNDER THE 12" WATER MAIN.**



	TOP#2	TOP#3
ELEV.	307.67	306.10
ACTUAL	4.94	6.53

STA 105+50
34' LEE

CA Steel



- R/W = Rights of Way
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- CONC. = Concrete
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- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline
- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- 08' = 1"
- .16' = 2"
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- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊕ = Fence Line
- ⊖ = Electric Manhole
- △ = T.S. = Traverse Station
- ∇ = Valve
- ⊗ = Water Meter
- ⊙ = Telephone Manhole



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
Test Hole # **35**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 12, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **N SIDE RTE 29, IN FRONT OF BLDG #13612**
Recorded Size/Material/Type **12" D.I. WATER LINE**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPH. SHLD IN GOOD CONDITION

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

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **ASPHALT SHLD**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **8" ASPHALT**

Color of ribbon installed **BLUE**

Soil Type **MOIST BROWN W/CLAY**

Truck Location **ASPHALT SHOULDER**

T.H. tied to **P.K. NAIL**

12 3/4" D.I. WATER LINE

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

Remarks: **NONE**

Survey Mark **P.K. NAIL**
(set by So-Deep) Elev. **310.60'**

Facing **WEST**

5.34' Actual field measurement by ruler (not calculated)

Surveyed Elev. **305.26'**
Top Util/Struc.

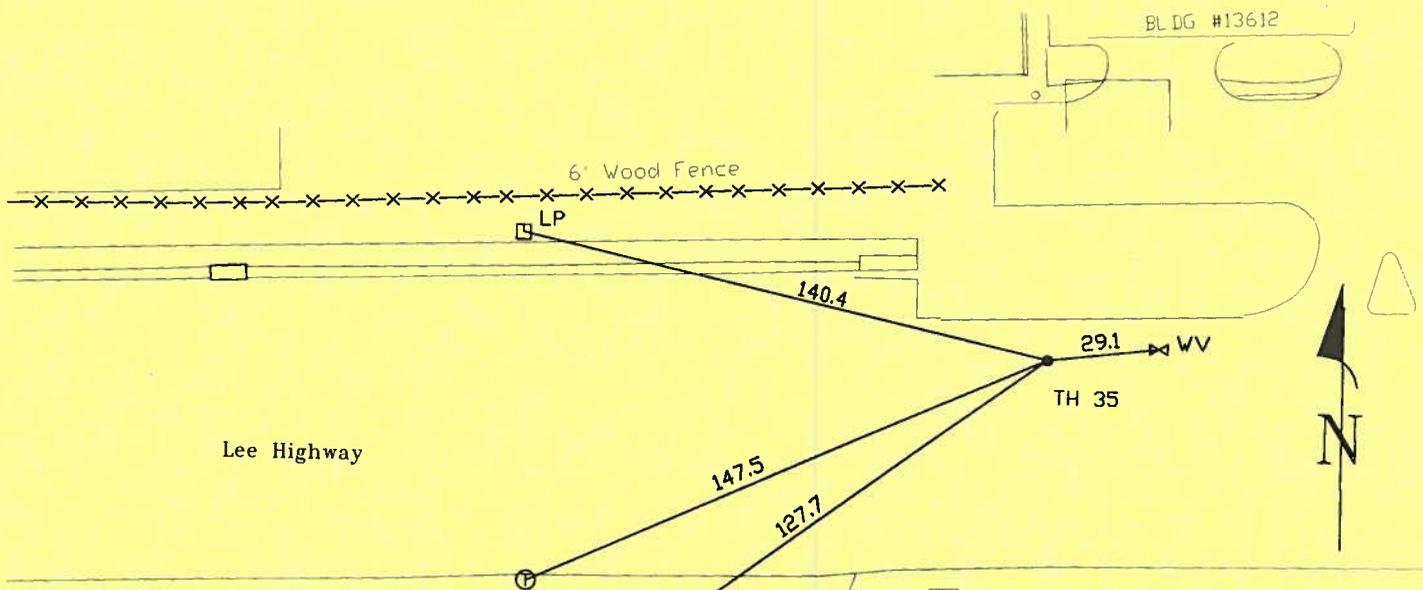
Surveyed Elev. **(if required)**
Bott. Util/Struc.



STA 106+50

39L4

CA-Steel
7/22/11



- R/W = Rights of Way
- N.T.S. = Not to Scale
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- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
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- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
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- .08" = 1"
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- .42" = 5"
- .50" = 6"
- .58" = 7"
- .67" = 8"
- .75" = 9"
- .83" = 10"
- .92" = 11"

- Sewer Manhole
- Test Hole
- ⊙ Fire Hydrant
- Pole
- ⊕ Fence Line
- ⊕ Electric Manhole
- ⊕ T.S. = Traverse Station
- ⊕ Valve
- ⊕ Water Meter
- ⊕ Telephone Manhole
- ⊕ Telephone Pedestal

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
Test Hole # **36**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, EAST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **12" D.I. WATER LINE**
Foreman/Truck#/Form By **M. RUPERT / 214 / D. CLARK**

Condition of paving prior to work
ASP. SHLDR. IN GOOD CONDITION

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. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

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 **12" ASPHALT**

Color of ribbon installed **BLUE**

Soil Type **WET BROWN**

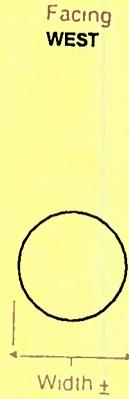
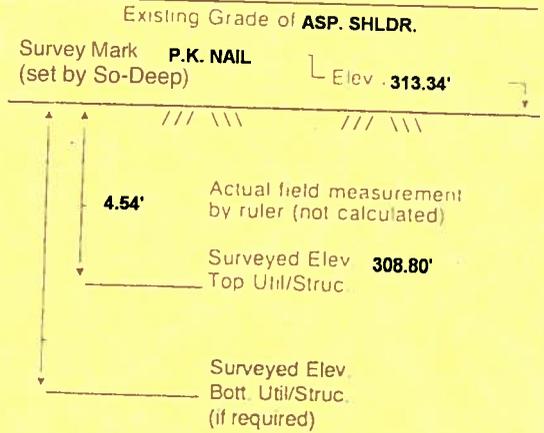
Truck Location **GRAVEL PARKING LOT**

T.H. tied to **P.K. NAIL**

12 3/4" D.I. WATER LINE

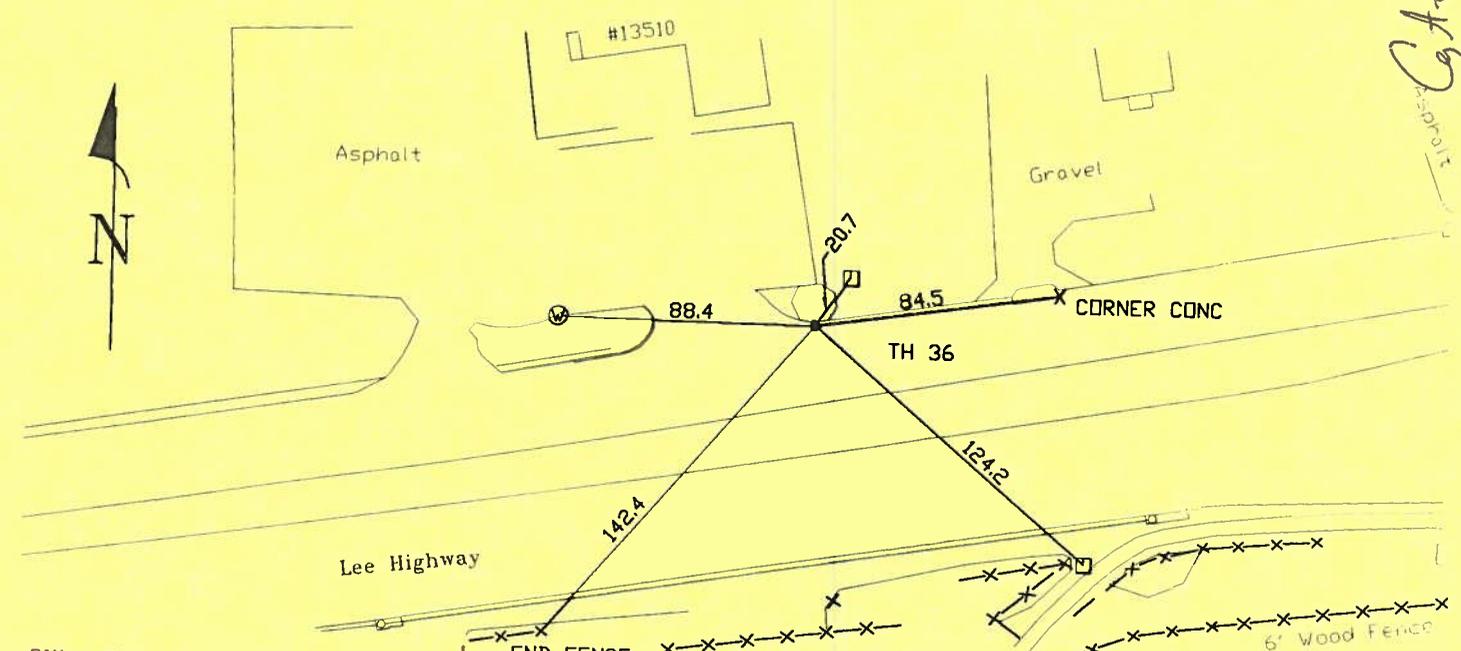
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: **NONE**



57A 116+75
44L 4

C.A. Stahl
7-28-11



- R/W = Rights of Way
- N.T.S. = Not to Scale
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- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊕ = Fence Line
- ⊖ = Electric Manhole
- △ = T.S. = Traverse Station
- ⊗ = Valve
- ⊕ = Water Meter
- ⊖ = Telephone Manhole
- ⊗ = Telephone Pole

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
 Test Hole # **37**
 Plan Scale **1" = 25'**
 Sheet # **1 OF 3**
 Proposed **GRADE CHANGE**
 Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
 Gen. Loc. **S SIDE RTE 29, AT BLDG #13617**
 Recorded Size/Material/Type **UNKNOWN SIZE AND TYPE ELECTRIC LINE**
 Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
 is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
 is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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

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

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **RED**

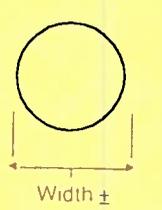
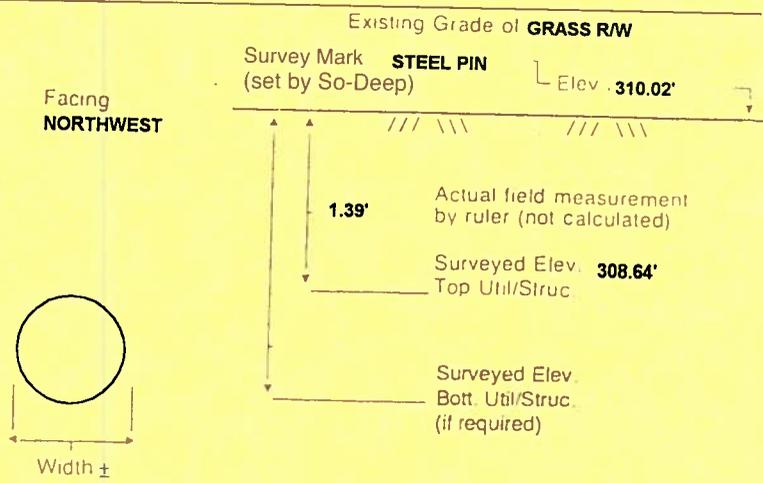
Soil Type **PACKED GRAVEL & DIRT**

Truck Location **GRASS R/W**

T.H. tied to **STEEL PIN**

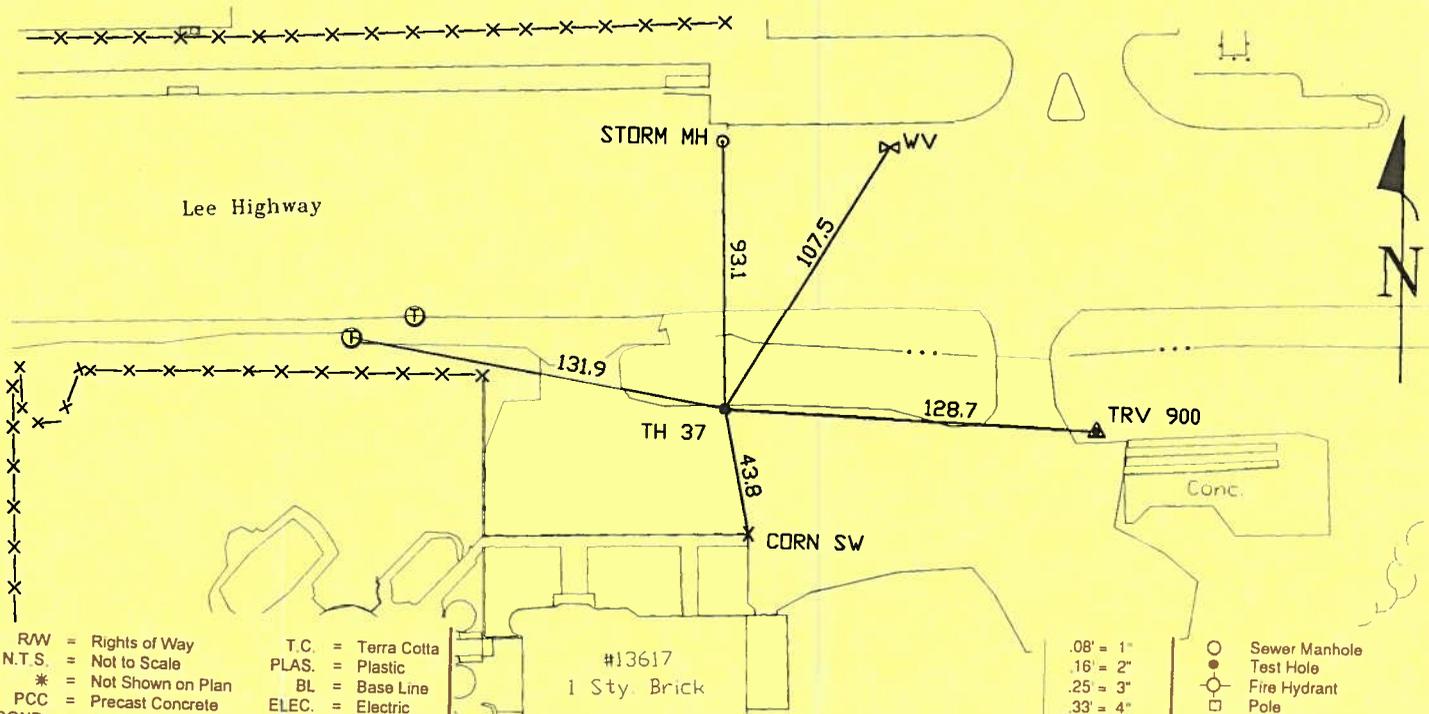
4 1/2" PLASTIC ELECTRIC CONDUIT
 Size/Material/Type
 Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



*STA 106 + 25
 50 R CL*

*Cy A. Stahl
 7-28-11*



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- CONC. = Concrete
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- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline
- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- .33" = 4"
- .42" = 5"
- .50" = 6"
- .58" = 7"
- .67" = 8"
- .75" = 9"
- .83" = 10"
- .92" = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊕ = Fence Line
- ⊗ = Electric Manhole
- ⊕ = T.S. = Traverse Station
- ⊗ = Valve
- ⊕ = Water Meter
- ⊗ = Telephone Manhole
- = Telephone Pedestal

Performing out-of-sight work...with vision!
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The Subsurface Utility Engineering Company
 8397 Euclid Avenue
 Manassas Park, VA 20111
 (703) 361-6005

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
 Test Hole # **38**
 Plan Scale **1" = 25'**
 Sheet # **1 OF 3**
 Proposed **GRADE CHANGE**
 Date **JULY 12, 2011**

City, County, State **FAIRFAX CO., VA**
 Gen. Loc. **N SIDE RTE 29, IN FRONT OF BLDG #13612**
 Recorded Size/Material/Type **(1) 4 1/2" AND (1) 2" PLASTIC MCI CONDUITS (FO)**
 Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
 is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
 is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **GRASS RW**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

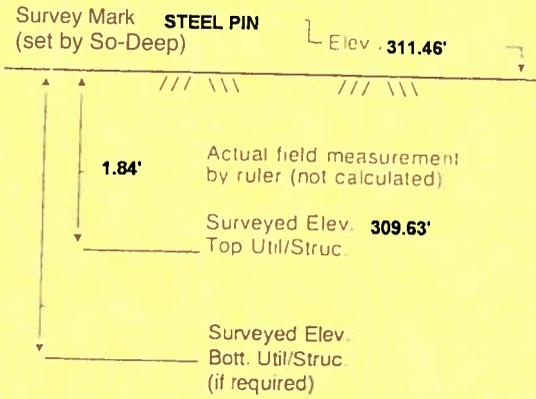
Soil Type **MOIST BROWN W/ROCKS**

Truck Location **ASPHALT SHOULDER**

T.H. tied to **STEEL PIN**

"(1) 4 1/2" AND (1) 2" PLASTIC MCI CONDUITS (FO)
 Size/Material/Type
 Portion of pipe exposed for O.D. measurement:
FULL

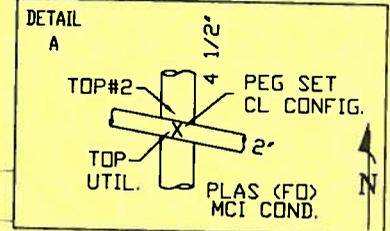
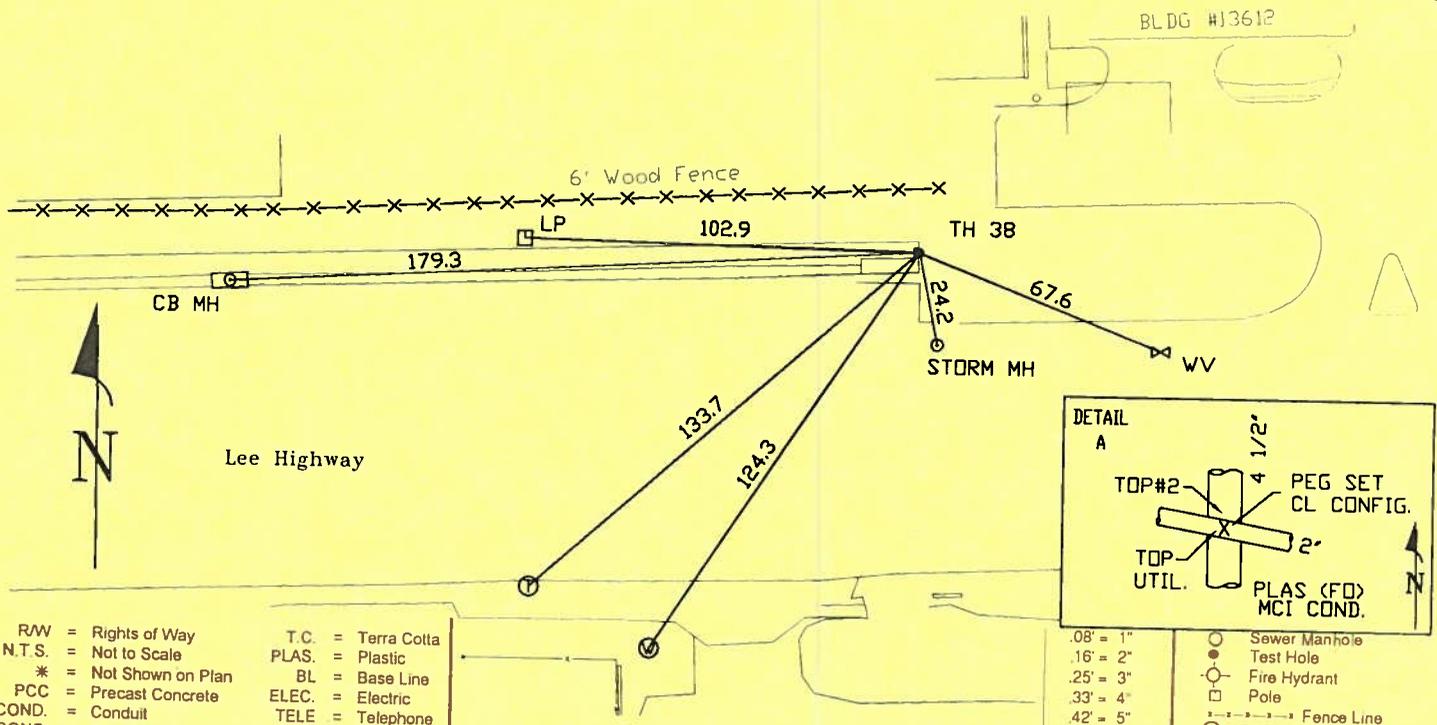
Remarks: * MCI HANDHOLE INSPECTION INDICATES THESE CONDUITS CONTAIN FIBER OPTIC CABLES.



TOP#2
 ELEV. **309.22**
 ACTUAL **2.23**

STA 106+25
67L4

C.A. Stahl
7-28-11



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

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- | | |
|------------|-----------------------------|
| .08" = 1" | ○ = Sewer Manhole |
| .16" = 2" | ● = Test Hole |
| .25" = 3" | ⊙ = Fire Hydrant |
| .33" = 4" | □ = Pole |
| .42" = 5" | — — — = Fence Line |
| .50" = 6" | ⊕ = Electric Manhole |
| .58" = 7" | ⊕ = T.S. = Traverse Station |
| .67" = 8" | ⊕ = Valve |
| .75" = 9" | ⊕ = Water Meter |
| .83" = 10" | ⊕ = Telephone Manhole |
| .92" = 11" | ⊕ = Telephone Pedestal |



The Subsurface Utility Engineering Company

8397 Euclid Avenue
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(703) 361-6005

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **S SIDE RTE 29 AT BLDG #13617**
Recorded Size/Material/Type **50 PR VERIZON CABLE**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

Control # **VCLD007**
Test Hole # **39**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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, BM's differ by more than .05', resulting differences could cause design conflicts.

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 **NO PAVING**

Color of ribbon installed **ORANGE**

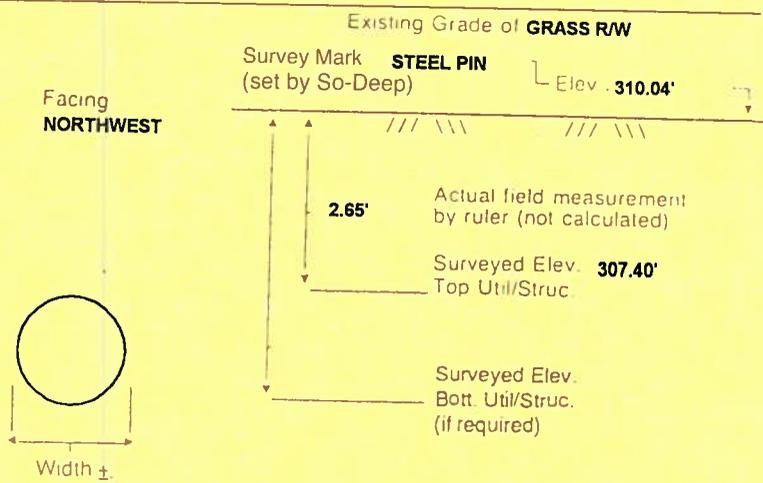
Soil Type **PACKED GRAVEL & DIRT**

Truck Location **GRASS R/W**

T.H. tied to **STEEL PIN**

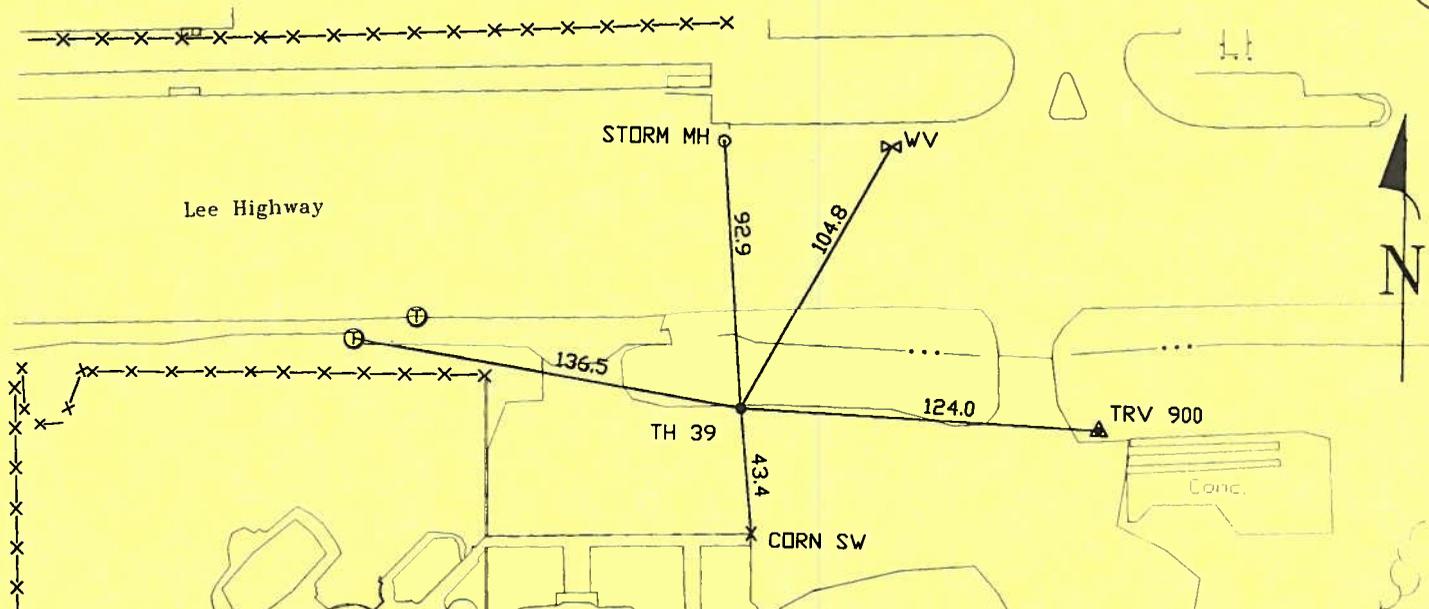
3/4" VERIZON CABLE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



*STA 106+25
49R 4*

*C.A. Stahl
7-28-11*



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

- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊕ = Fence Line
- ⊗ = Electric Manhole
- ⊕ = T.S. = Traverse Station
- △ = Valve
- ⊗ = Water Meter
- ⊕ = Telephone Manhole
- = Telephone Pedestal

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Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **40**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 12, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **N SIDE RTE 29, IN FRONT OF BLDG #13612**
Recorded Size/Material/Type **(2) 1 1/2" PLA. COX CATV COND. & 1" PLA. GAS LINE**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

Benchmarks Check **BY 0.01'**
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.

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 **NO PAVING**

Color of ribbon installed **ORANGE AND YELLOW**

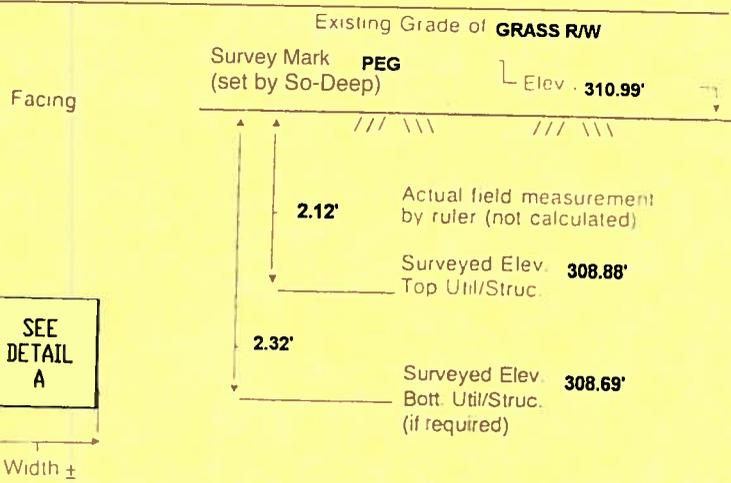
Soil Type **MOIST BROWN W/ROCKS**

Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

(2) 1 1/2" PLA. COX CONDUITS AND 1 1/8" PLA. GAS
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

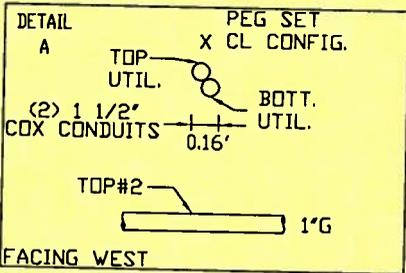
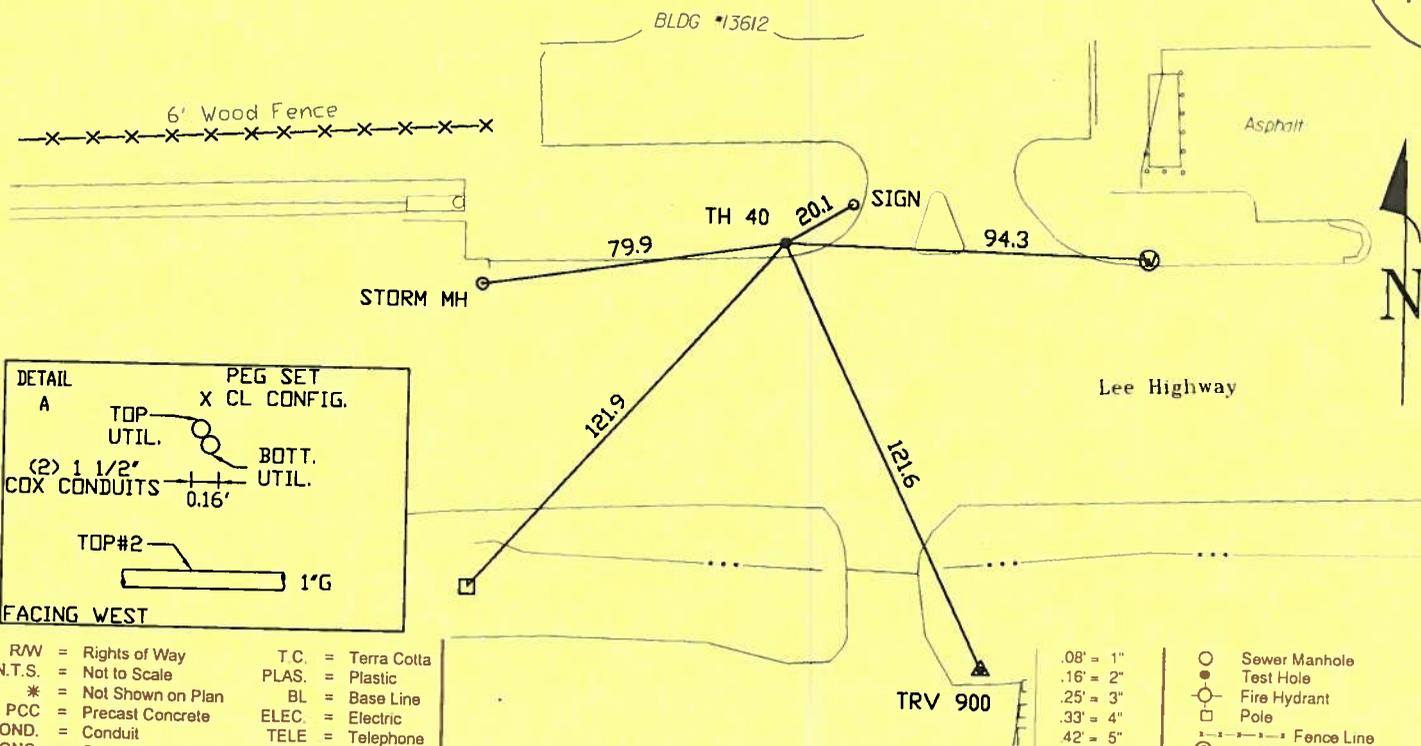
Remarks: *** COX HANDHOLE INSPECTION INDICATES THESE CONDUITS CONTAIN FIBER OPTIC CABLES.**



TOP#2
ELEV. **306.53**
ACTUAL **4.48**

STA 107+00
56 L ee

Cy A. Steh
7-28-11



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

- | | |
|---|-------------------------|
| ○ | Sewer Manhole |
| ● | Test Hole |
| ⊙ | Fire Hydrant |
| □ | Pole |
| ⊕ | Fence Line |
| ⊗ | Electric Manhole |
| ⊕ | T.S. = Traverse Station |
| ⊗ | Valve |
| ⊕ | Water Meter |
| ⊗ | Telephone Manhole |
| □ | Telephone Pedestal |

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- .25" = 3"
- .33" = 4"
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- .50" = 6"
- .58" = 7"
- .67" = 8"
- .75" = 9"
- .83" = 10"
- .92" = 11"



The Subsurface Utility Engineering Company
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 (703) 361-6005

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD007**
 Test Hole # **41**
 Plan Scale **1" = 25'**
 Sheet # **1 OF 3**
 Proposed **GRADE CHANGE**
 Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
 Gen. Loc. **N SIDE RTE 29, IN FRONT OF BLDG #13612**
 Recorded Size/Material/Type **(2) 1 1/2" PLA. COX CATV COND. & 6" PLA. GAS LINE**
 Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT RDWY IN POOR CONDITION

B.M. 1 Elev. = **307.72'**
 is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
 is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **6" ASPHALT**

Color of ribbon installed **ORANGE AND YELLOW**

Soil Type **MOIST BROWN W/CLAY**

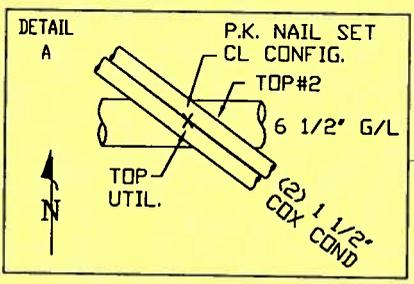
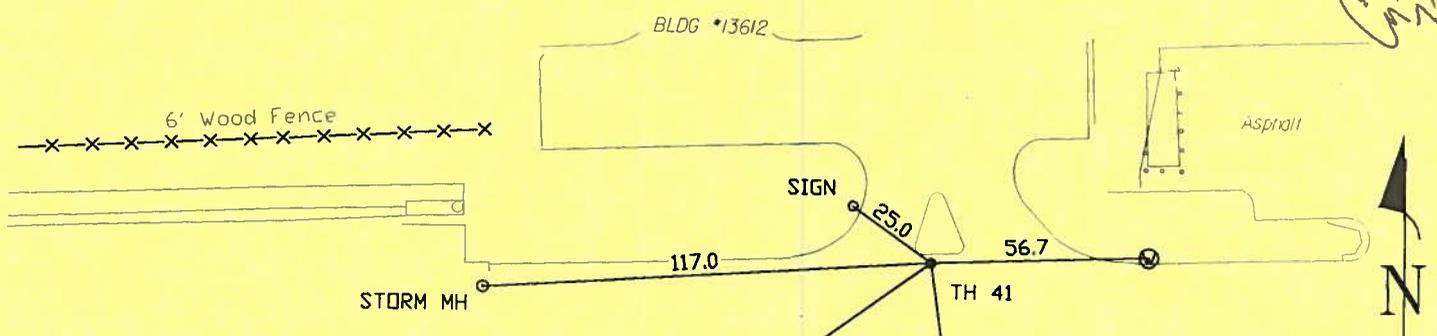
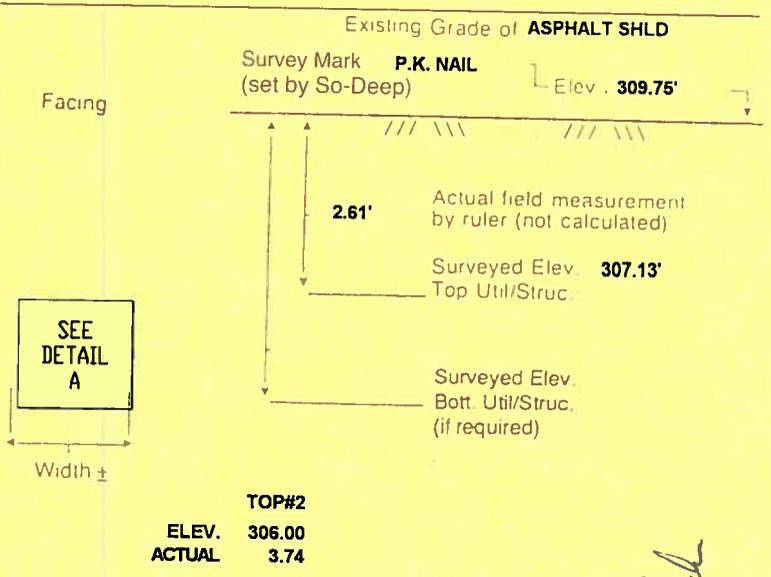
Truck Location **ASPHALT SHOULDER**

T.H. tied to **P.K. NAIL**

(2) 1 1/2" PLAS COX CONDUITS & 6 1/2" PLAS GAS
 Size/Material/Type
 Portion of pipe exposed for O.D. measurement:
FULL

Remarks: * COX HANDHOLE INSPECTION INDICATES THESE CONDUITS CONTAIN FIBER OPTIC CABLES.

STA 107+50
52 L CL



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

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08' = 1"	○ = Sewer Manhole
.16' = 2"	● = Test Hole
.25' = 3"	⊙ = Fire Hydrant
.33' = 4"	□ = Pole
.42' = 5"	— — — = Fence Line
.50' = 6"	⊕ = Electric Manhole
.58' = 7"	△ = T.S. = Traverse Station
.67' = 8"	⊗ = Valve
.75' = 9"	⊕ = Water Meter
.83' = 10"	⊕ = Telephone Manhole
.92' = 11"	⊕ = Telephone Manhole

C.A. Stahl
7-28-11

SO-DEEP
Inc.

The Subsurface Utility
Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
Test Hole # **42**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **N SIDE RTE 29, IN FRONT OF BLDG #13600**
Recorded Size/Material/Type **(2) 1 1/2" PLA. COX CATV CONDUITS**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT SHLD IN POOR CONDITION

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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" ASPHALT**

Color of ribbon installed **ORANGE**

Soil Type **CLAY AND WATER**

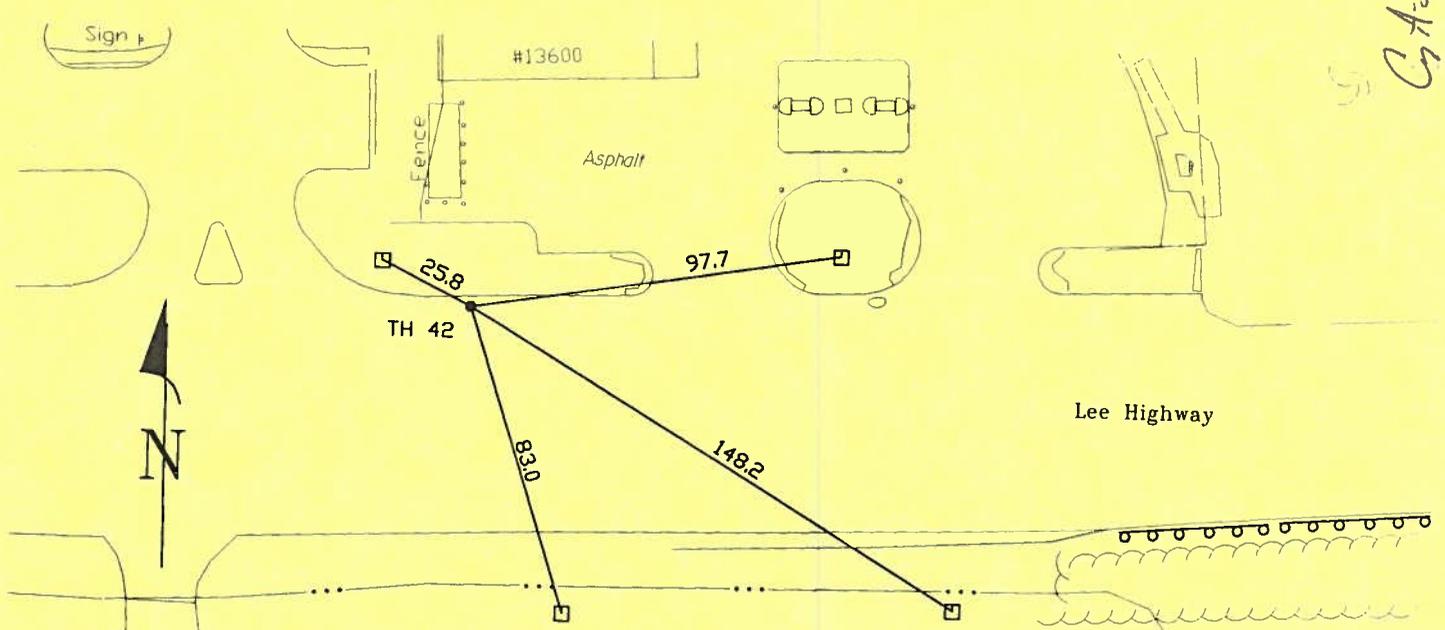
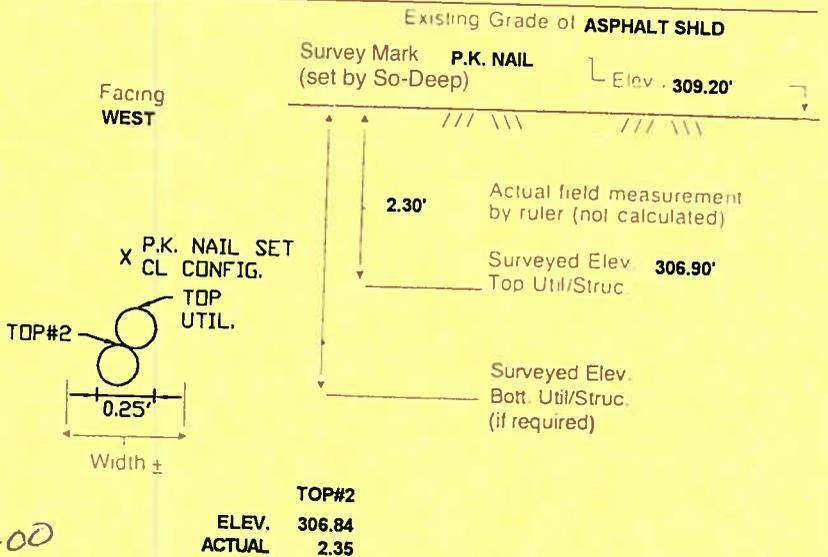
Truck Location **ASPHALT SHOULDER**

T.H. tied to **P.K. NAIL**

(2) 1 1/2" PLAS COX CONDUITS
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: *** COX HANDHOLE INSPECTION INDICATES THESE CONDUITS CONTAIN FIBER OPTIC CABLES.**

*STA 108+00
50 L 4*



*C.A. Stahl
7-28-11*

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

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- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊗ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊖ = T.S. = Traverse Station
- ⊗ = Valve
- ⊕ = Water Meter
- ⊗ = Telephone Manhole



The Subsurface Utility Engineering Company

8397 Euclid Avenue
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(703) 361-6005

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD007**
Test Hole # **43**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(2) 1 1/4" PLASTIC COX CONDUITS (FO)**
Foreman/Truck#/Form By **M. RUPERT / 214 / D. CLARK**

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

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335± E OF LITTLE ROCKY RUN**

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.

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 **4" ASPHALT**

Color of ribbon installed **ORANGE**

Soil Type **WET BROWN**

Truck Location **ASPHALT SHOULDER**

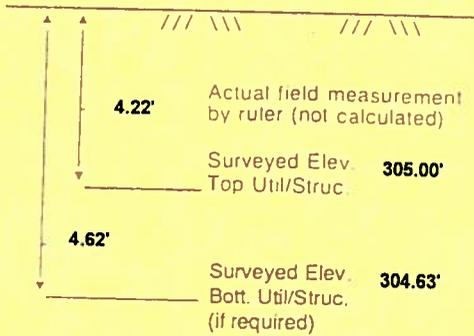
T.H. tied to **P.K. NAIL**

(2) 1 1/2" PLASTIC COX CONDUITS (FO)

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

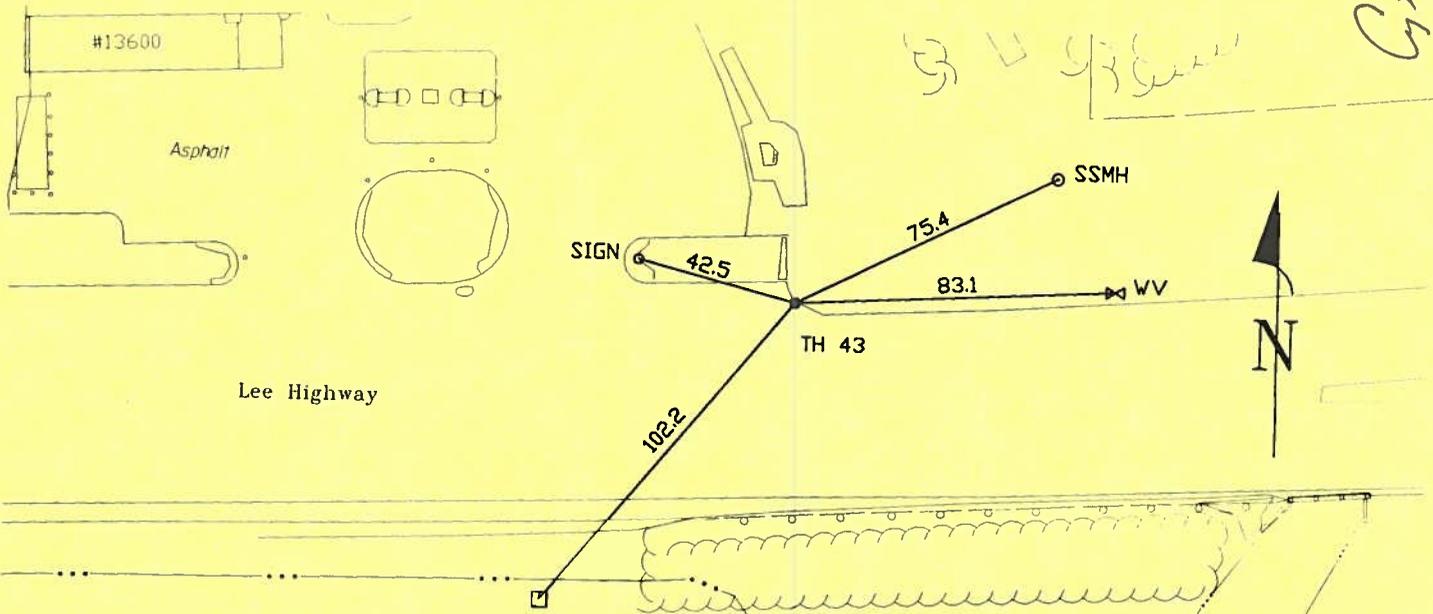
Remarks: **NONE**

Existing Grade of **ASP. SHLDR.**
Survey Mark **P.K. NAIL**
(set by So-Deep) Elev. **309.23'**



*STA 110+00
50 R of*

*Cy A. Stahl
7-28-11*



- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

- .08' = 1"
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- .33' = 4"
- .42' = 5"
- .50' = 6"
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- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"

- Sewer Manhole
- Test Hole
- ⊕ Fire Hydrant
- Pole
- Fence Line
- ⊕ Electric Manhole
- ⊕ T.S. = Traverse Station
- ⊕ Valve
- ⊕ Water Meter
- ⊕ Telephone Manhole

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

Test Hole Certification Form
Utility Quality Level A Data

ASCE C/1 38-02

Control # VCLD007
Test Hole # 44
Plan Scale 1" = 25'
Sheet # 1 OF 3
Proposed GRADE CHANGE
Date JULY 22, 2011

City, County, State FAIRFAX CO., VA
Gen. Loc. S SIDE RTE 29, 450'± W OF BLDG #13612
Recorded Size/Material/Type (2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)
Foreman/Truck#/Form By R. LUCKS / 223 / M. ARMSTRONG

Condition of paving prior to work
ASPHALT IN POOR CONDITION

B.M. 1 Elev. = 307.72'
is GIVEN

Description: (TRAV #900) CAP AND REBAR FOUND, SOUTH
SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.

B.M. 2 Elev. = 311.04'
is GIVEN

Description: CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE.
29 @ END OF SIDEWALK, SW OF BLDG #13612.

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.

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 2" ASPHALT

Color of ribbon installed ORANGE

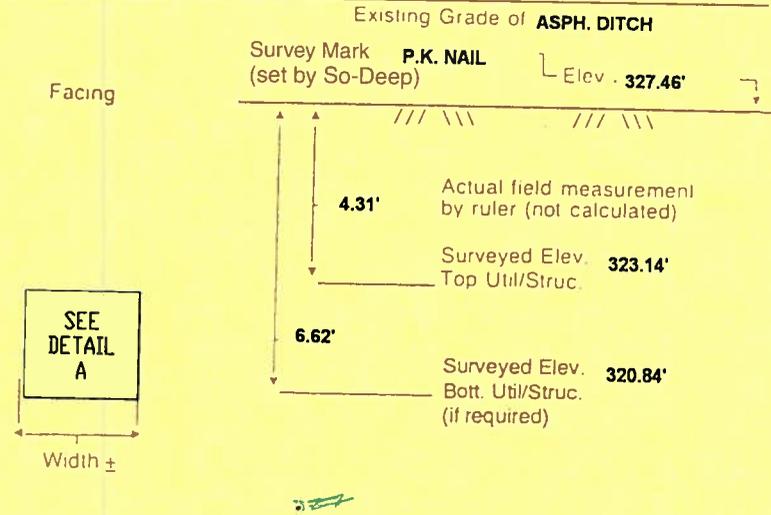
Soil Type CLAY

Truck Location ASPHALT DITCH LINE

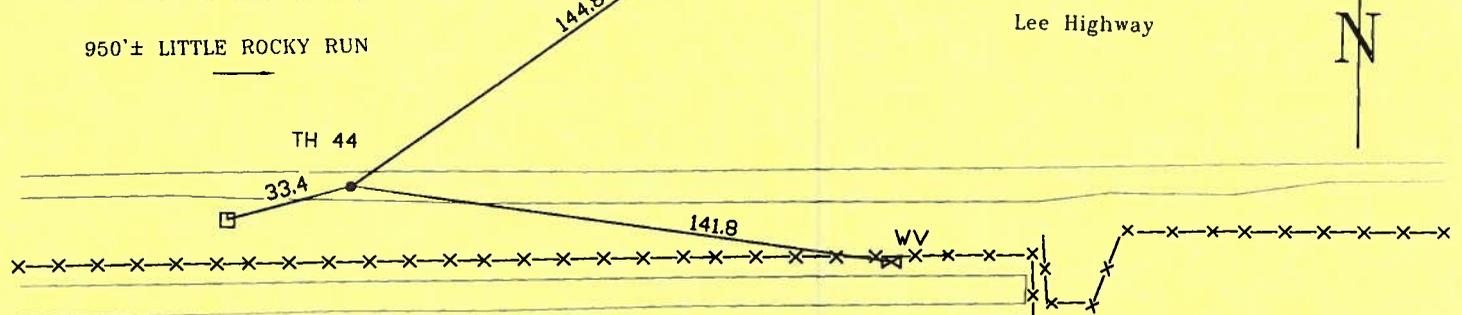
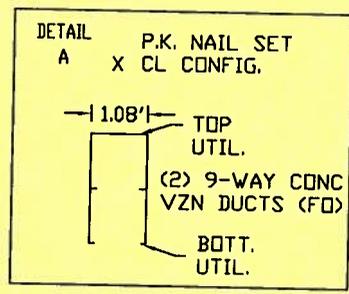
T.H. tied to P.K. NAIL

(2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
N/A

Remarks: * VERIZON MANHOLE INSPECTION INDICATES THESE DUCTS
CONTAIN FIBER OPTIC CABLES.



STA 102+00
30R 4
327.0
-3.86



- R/W = Rights of Way
N.T.S. = Not to Scale
* = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
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 dimensions onto 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"
.58' = 7"
.67' = 8"
.75' = 9"
.83' = 10"
.92' = 11"
Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

CAJ
7-28-11



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
Test Hole # **45**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **S SIDE RTE 29, 350'± W OF BLDG #13612**
Recorded Size/Material/Type **(2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT IN POOR CONDITION

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **2" ASPHALT**

Color of ribbon installed **ORANGE**

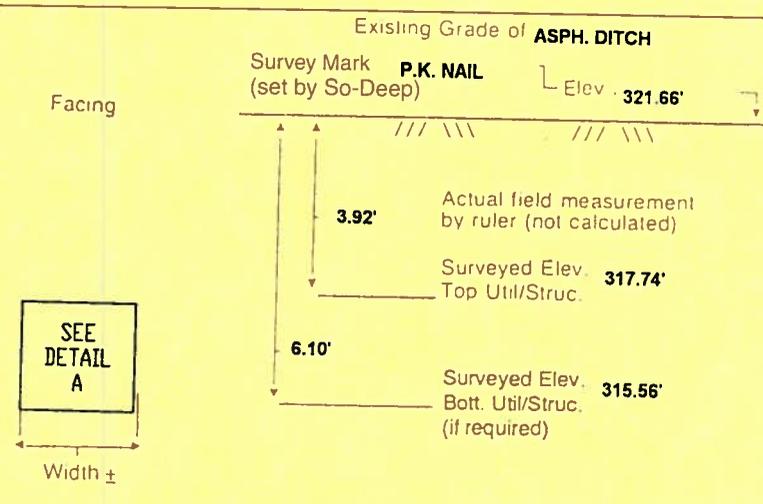
Soil Type **CLAY**

Truck Location **ASPHALT DITCH LINE**

T.H. tied to **P.K. NAIL**

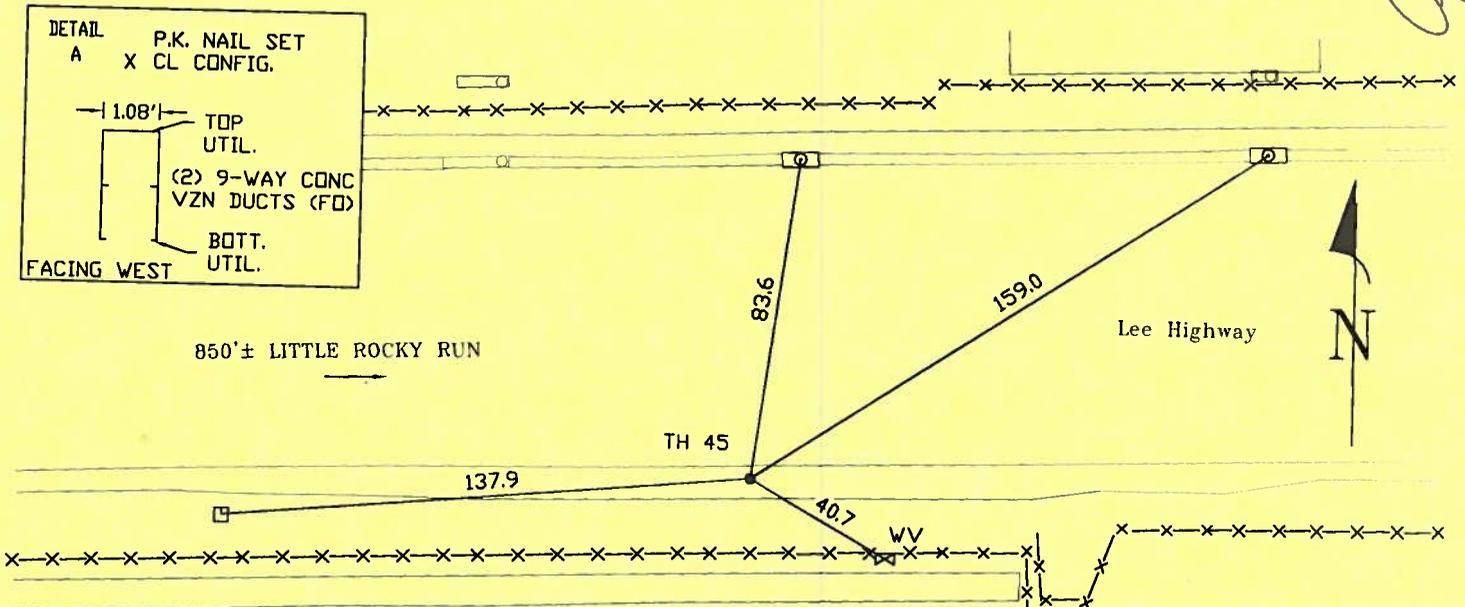
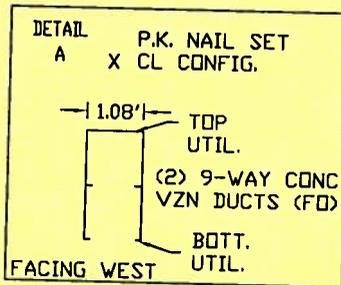
(2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
N/A

Remarks: * VERIZON MANHOLE INSPECTION INDICATES THESE DUCTS CONTAIN FIBER OPTIC CABLES.



STA 103+00
30R 4

*Cy-A-Stack
7-28-11*



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

*Performing out-of-sight work...with vision!*TM
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 responsible only for information shown on our forms.

- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | — — — = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | — T.S. — = Traverse Station |
| .67' = 8" | △ = Valve |
| .75' = 9" | ⊗ = Water Meter |
| .83' = 10" | ⊙ = Telephone Manhole |
| .92' = 11" | ⊕ = Test Hole |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **46**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 15, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **S SIDE RTE 29, 420'± W OF BLDG #13612**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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, BM's differ by more than .05', resulting differences could cause design conflicts.

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 **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **CLAY, ROOTS & GRANITE**

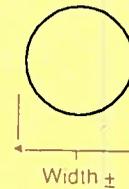
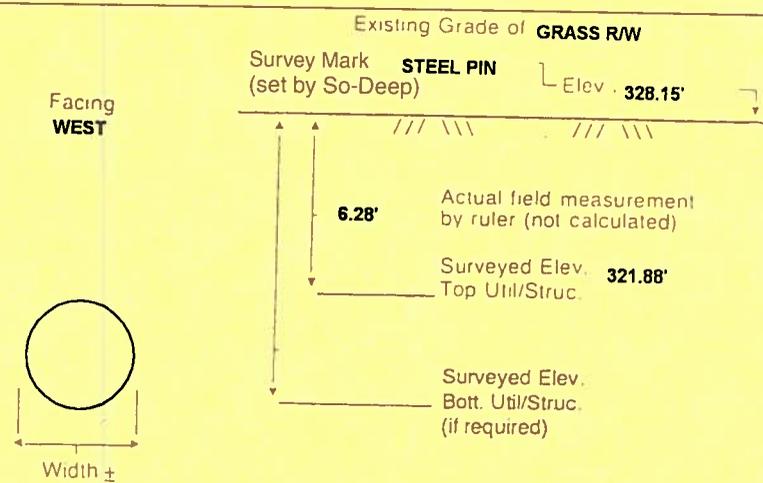
Truck Location **ASPHALT DITCH LINE**

T.H. tied to **STEEL PIN**

24 3/4" D.I. WATER LINE

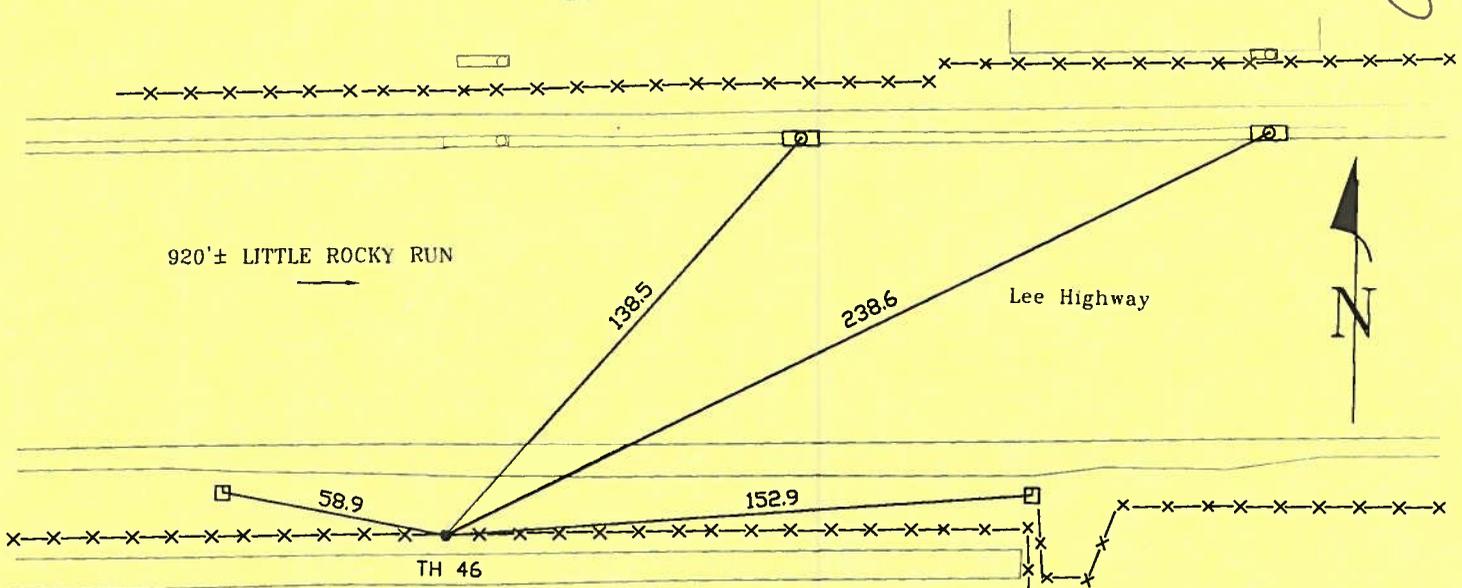
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



STA 102+25
50 R CL
325.0
-3.12

Cy A. John
7-28-11



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

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- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | — — — = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | — T.S. — = Traverse Station |
| .67' = 8" | ⊗ = Valve |
| .75' = 9" | ⊕ = Water Meter |
| .83' = 10" | ⊕ = Telephone Manhole |
| .92' = 11" | ⊕ = Telephone Manhole |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **47**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 15, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **N SIDE RTE 29, 270'± WEST OF BLDG #13612**
Recorded Size/Material/Type **(2) 1 1/2" FO COX & 4 1/2" VERIZON PLA. CONDUITS**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **BLUE**

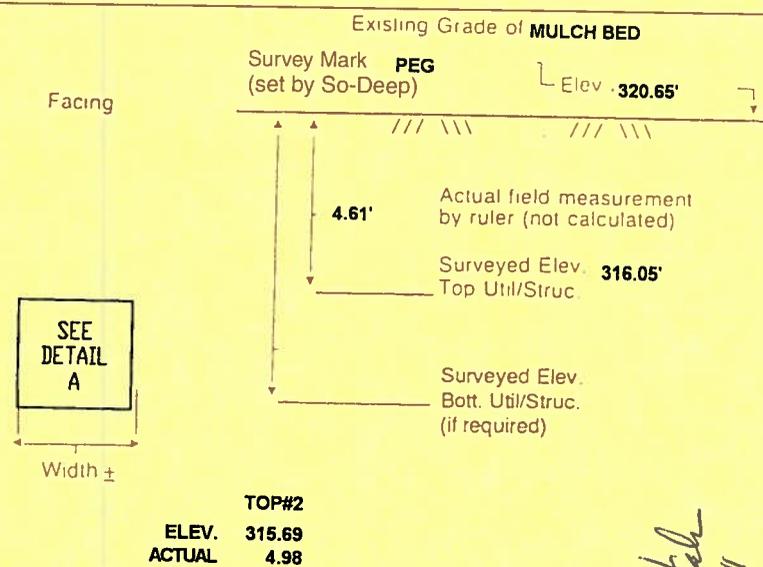
Soil Type **GRAVEL AND CLAY**

Truck Location **ASPHALT RDWY**

T.H. tied to **PEG**

(2) 1 1/2" COX & 4 1/2" VZN PLAS CONDUITS (FO)
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

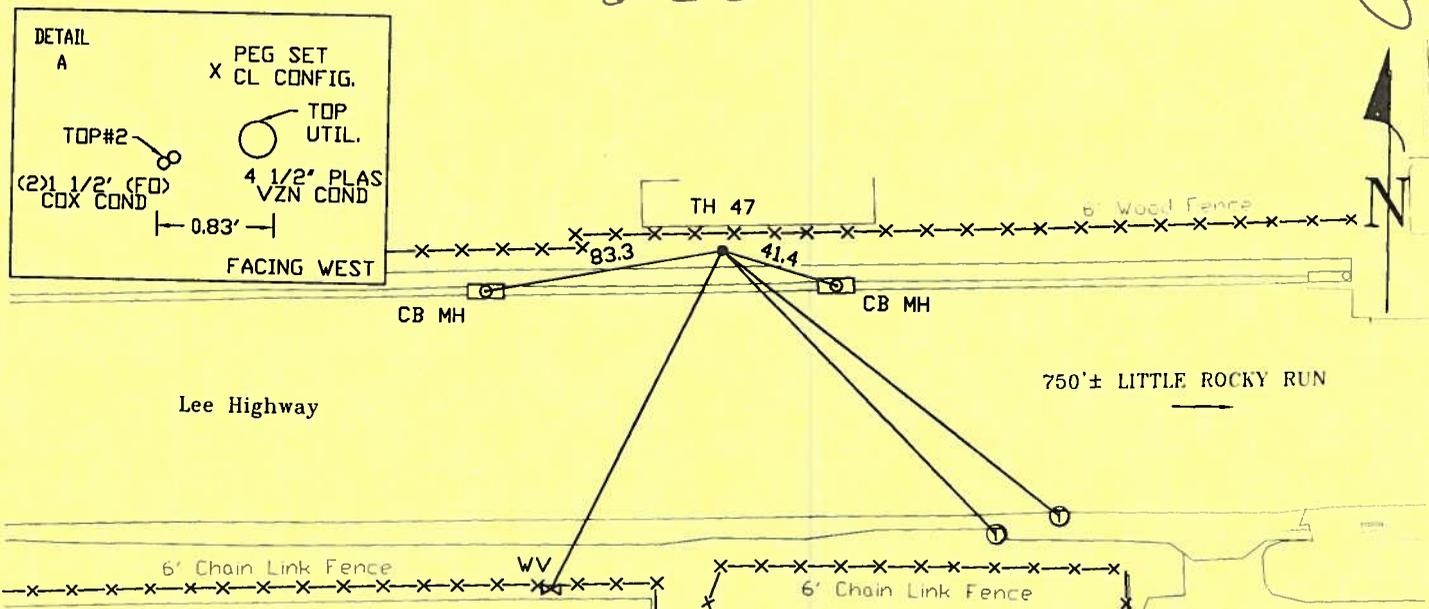
Remarks: * INSPECTION OF COX AND VERIZON HANDHOLES INDICATE THESE CONDUITS CONTAIN FIBER OPTIC CABLES.



TOP#2
ELEV. **315.69**
ACTUAL **4.98**

STA 104+00
67 L 4

Cy H. Spahn
7-28-11



- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"

- = Sewer Manhole
- = Test Hole
- = Fire Hydrant
- = Pole
- ⊕ = Fence Line
- ⊕ = Electric Manhole
- ⊕ = T.S. = Traverse Station
- ⊕ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- ⊕ = Telephone Pedestal

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **N SIDE RTE 29, WEST OF BLDG #13612**
Recorded Size/Material/Type **6" PLASTIC GAS LINE**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT SHLD IN GOOD CONDITION

Control # **VCLD007**
Test Hole # **48**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 12, 2011**

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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 **10" ASPHALT**

Color of ribbon installed **YELLOW**

Soil Type **GRAVEL AND CLAY**

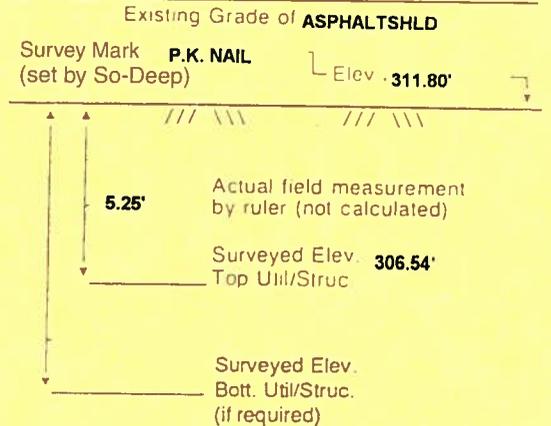
Truck Location **ASPHALT SHOULDER**

T.H. tied to **P.K. NAIL**

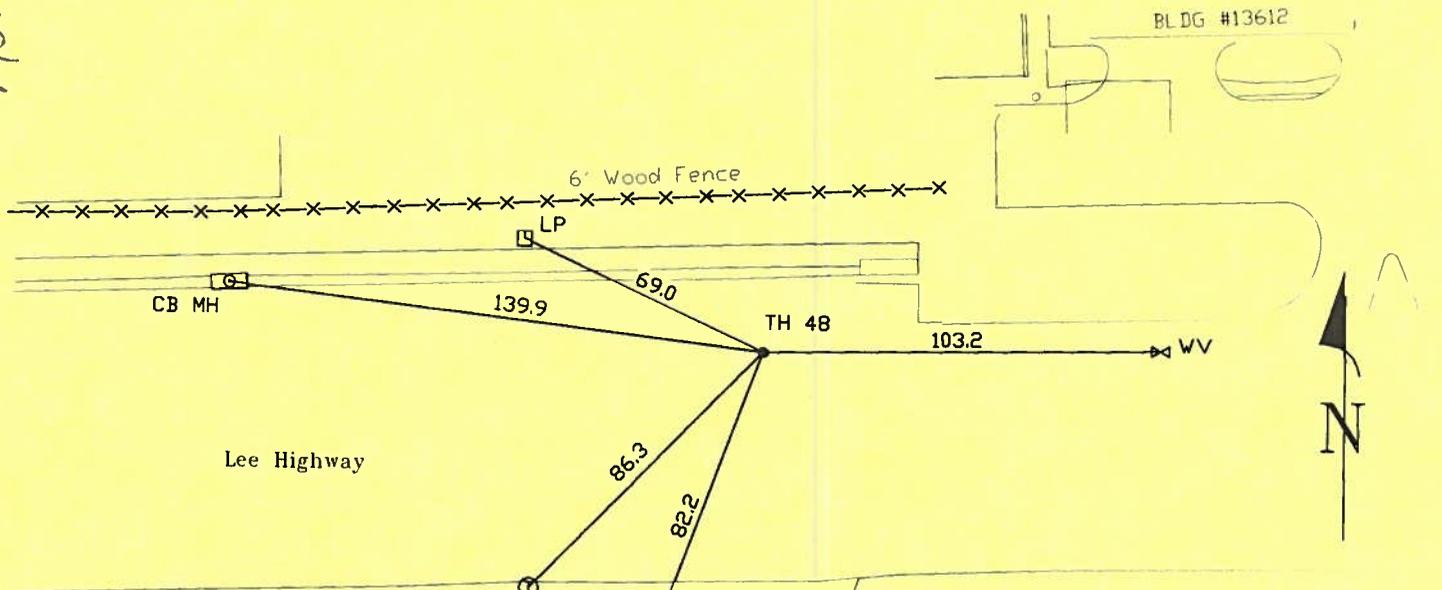
6 1/2" PLASTIC GAS LINE

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

Remarks: **NONE**



*STA 105+75
40 L4*



- RW = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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

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- .16' = 2"
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- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"

- Sewer Manhole
- Test Hole
- Fire Hydrant
- Pole
- Fence Line
- ⊕ Electric Manhole
- ⊕ T.S. = Traverse Station
- △ Valve
- ⊕ Water Meter
- ⊕ Telephone Manhole
- ⊕ Telephone Pedestal

*Copy to Station
7/12/11*



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29 AT LITTLE ROCKY RUN**
Recorded Size/Material/Type **12" D.I. WATER LINE @ 45 DEGREE BEND**
Foreman/Truck#/Form By **M. RUPERT / 223/ D. CLARK**

Condition of paving prior to work
NO PAVING

Control # **VCLD007**
Test Hole # **49**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 15, 2011**

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335± E OF LITTLE ROCKY RUN**

Benchmarks Check **BY 0.03'**
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.

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 **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **WET BROWN**

Truck Location **GRAVEL SHOULDER**

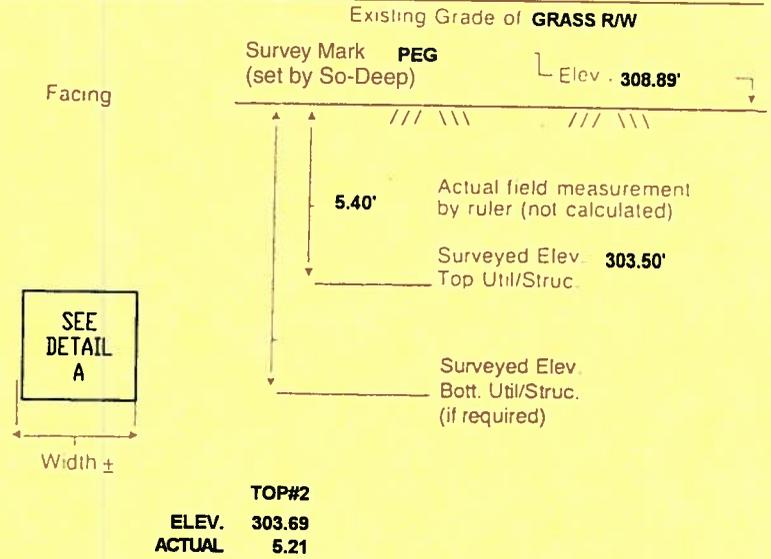
T.H. tied to **PEG**

12 3/4" D.I. WATER LINE @ 45 DEGREE BEND

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

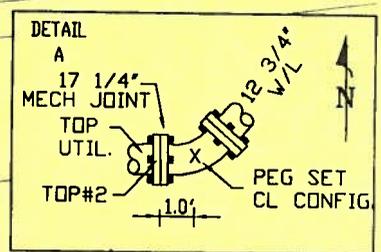
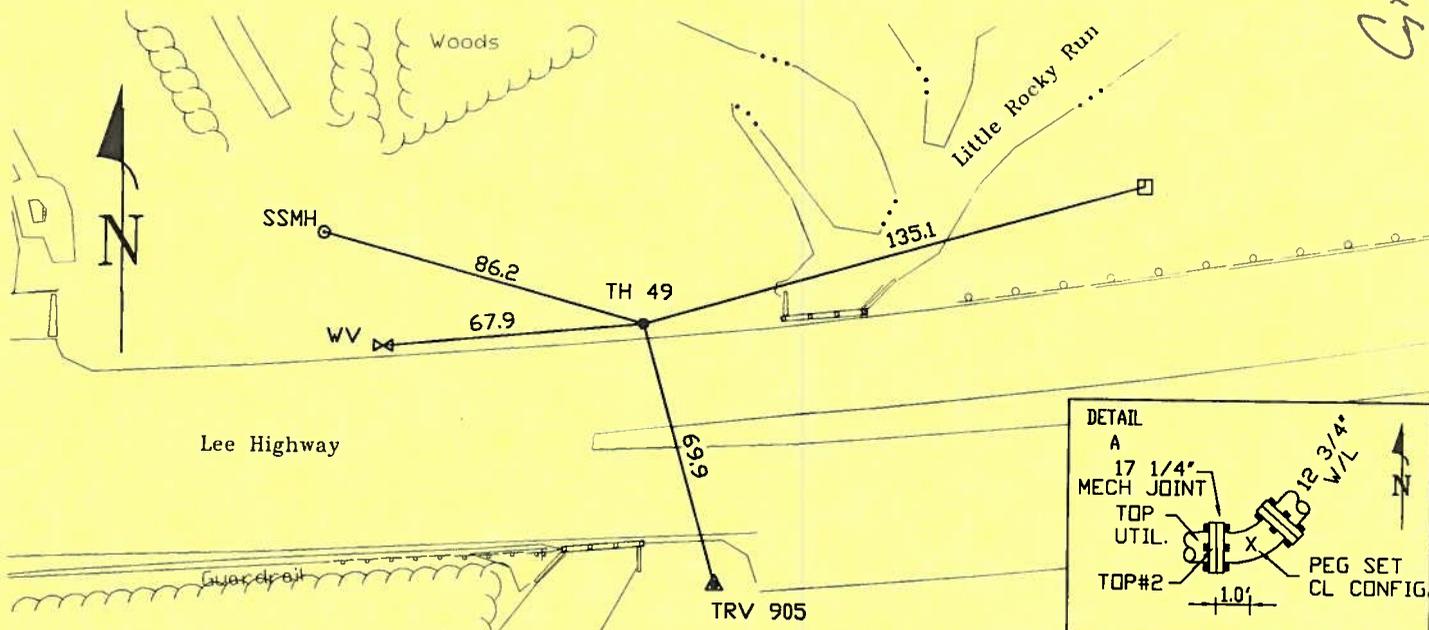
Remarks: **NONE**

*STA 111+50
51 L 4*



TOP#2
ELEV. 303.69
ACTUAL 5.21

*C.A. Stahl
7-28-11*



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

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- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊕ = T.S. = Traverse Station
- ⊕ = Valve
- ⊕ = Water Meter
- ⊕ = Telephone Manhole
- ⊕ = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **50**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JANUARY 15, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29 AT LITTLE ROCKY RUN**
Recorded Size/Material/Type **12" D.I. WATER LINE @ 45 DEGREE BEND**
Foreman/Truck#/Form By **M. RUPERT / 223/ D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

Benchmarks Check **BY 0.03'**
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.

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 **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **WET BROWN**

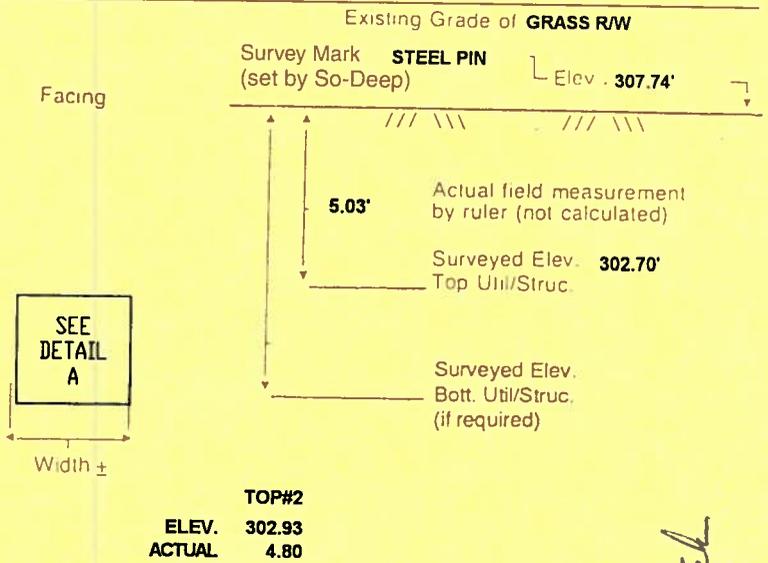
Truck Location **GRASS R/W**

T.H. tied to **STEEL PIN**

12 3/4" D.I. WATER LINE @ 45 DEGREE BEND
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

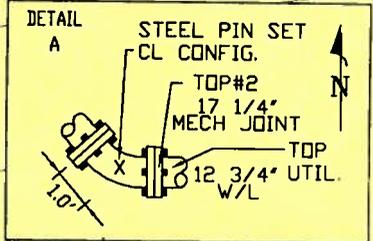
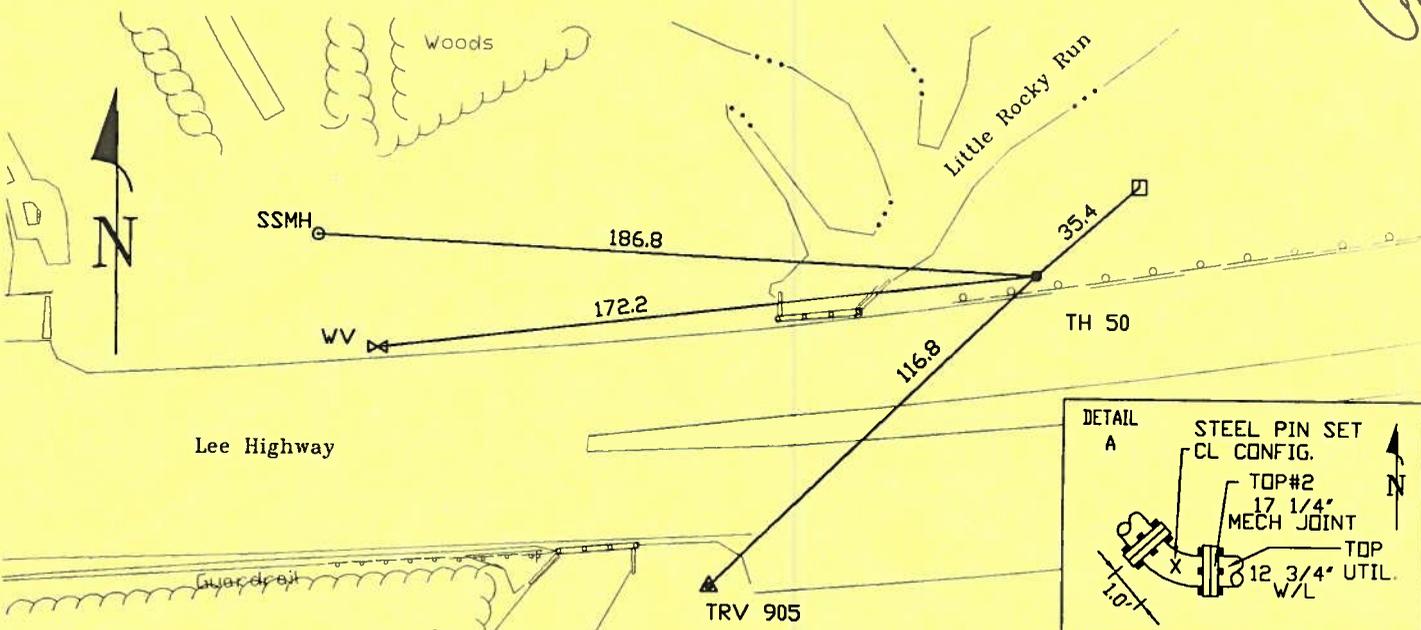
Remarks: **NONE**

STA 112+50
54 L 4



TOP#2
ELEV. 302.93
ACTUAL 4.80

C.A. Skala
1-28-11



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

*Performing out-of-sight work...with vision!*TM
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 responsible only for information shown on our forms.

- | | |
|------------|-----------------------------|
| .08" = 1" | ○ = Sewer Manhole |
| .16" = 2" | ○ = Test Hole |
| .25" = 3" | ○ = Fire Hydrant |
| .33" = 4" | □ = Pole |
| .42" = 5" | --- = Fence Line |
| .50" = 6" | ⊕ = Electric Manhole |
| .58" = 7" | ⊕ = T.S. = Traverse Station |
| .67" = 8" | △ = Valve |
| .75" = 9" | ⊕ = Water Meter |
| .83" = 10" | ⊕ = Telephone Manhole |
| .92" = 11" | ⊕ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF CENTERVILLE FARM RD**
Recorded Size/Material/Type **12" D.I. WATER LINE**
Foreman/Truck#/Form By **R. LUCKS / 223 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT RDWY IN GOOD CONDITION

Control # **VCLD007**
Test Hole # **51**
Plan Scale **1" = 25'**
Sheet # **3 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 22, 2011**

B.M. 1 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29'± RT OF SURVEY CL STA. 45+06±, RTE. 29**

B.M. 2 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69'± RT OF SURVEY CL STA. 39+32±, RTE. 29**

Benchmarks Check **BY 0.03'**
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.

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 **10" ASPHALT**

Color of ribbon installed **BLUE**

Soil Type **MOIST BROWN W/GRAVEL**

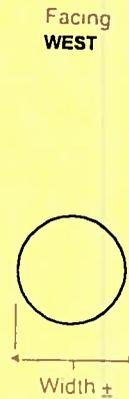
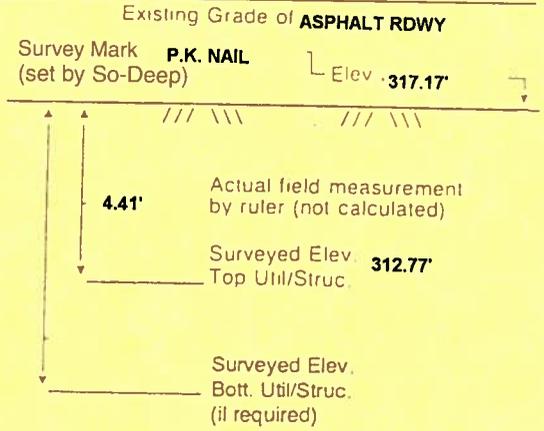
Truck Location **ASPHALT ROADWAY**

T.H. tied to **P.K. NAIL**

12 3/4" D.I. WATER LINE

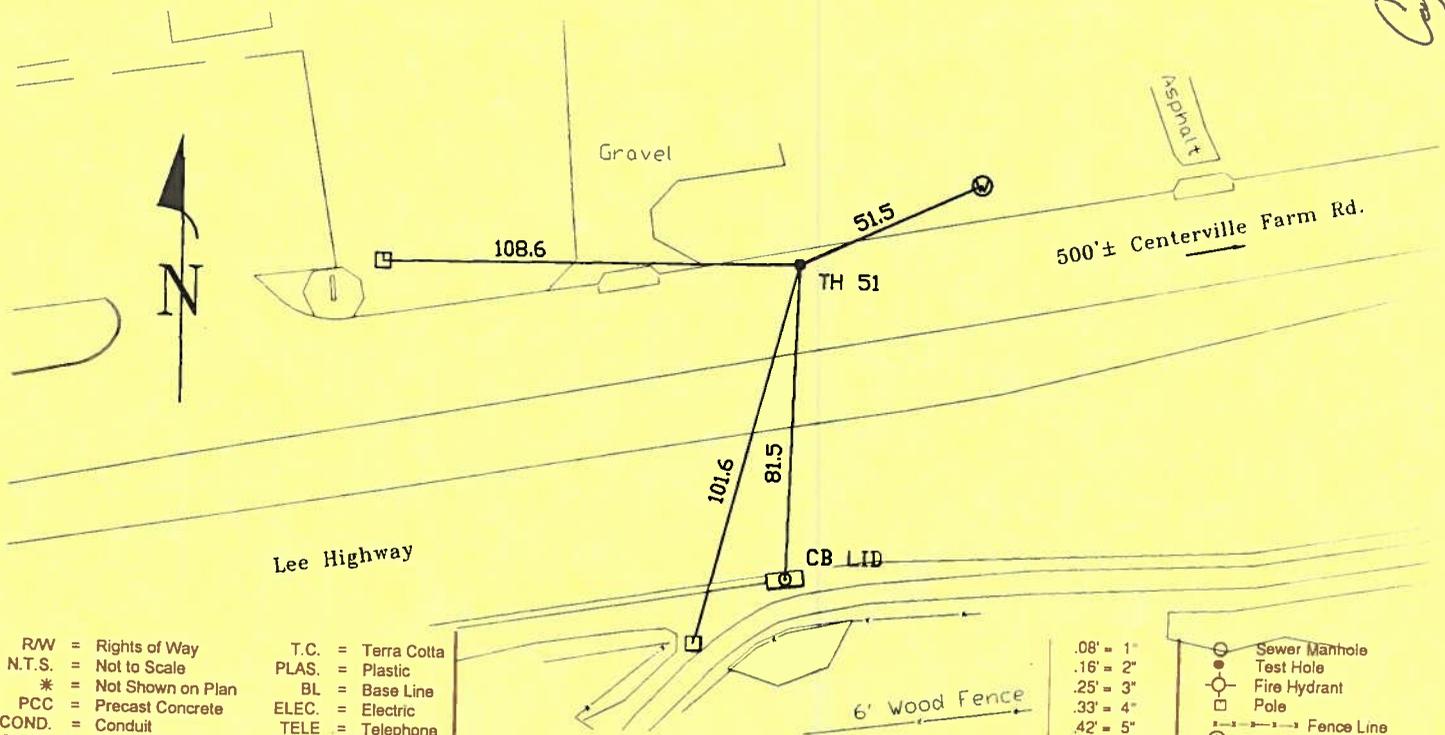
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



*STA 118+00
38 L CL*

*Coy A. Stahl
7-28-11*



- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

- .08' = 1"
- .16' = 2"
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- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊞ = Fence Line
- ⊕ = Electric Manhole
- ⊖ = T.S. = Traverse Station
- ⊗ = Valve
- ⊘ = Water Meter
- ⊙ = Telephone Manhole
- ⊚ = Telephone Pedestal

*Performing out-of-sight work...with vision!*TM
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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD007**
Test Hole # **52**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **S SIDE RTE 29, FRONT OF BLDG #13612**
Recorded Size/Material/Type **2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **MOIST BROWN W/WATER**

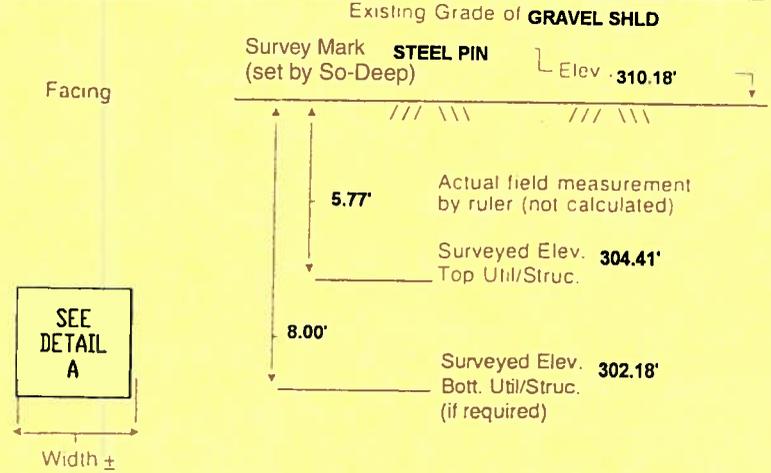
Truck Location **ASPHALT RDWY**

T.H. tied to **STEEL PIN**

***(2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)**

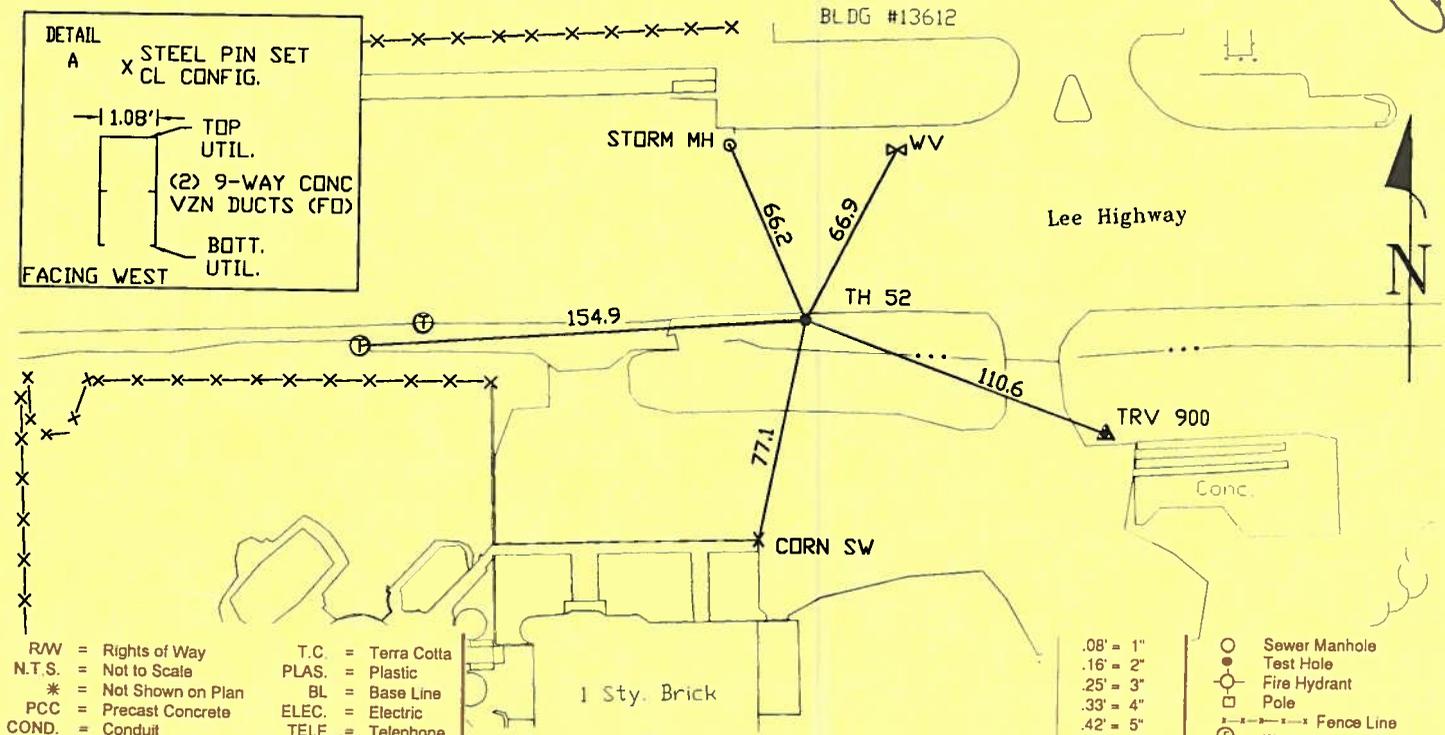
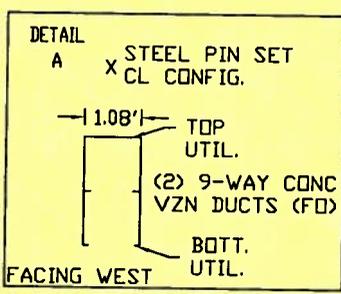
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
N/A

Remarks: *** VERIZON MANHOLE INSPECTION INDICATES THESE DUCTS CONTAIN FIBER OPTIC CABLES.**



*STA 106+50
17R4*

*C.A. Stahl
7-28-11*



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

Performing out-of-sight work...with vision!™
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- .16' = 2"
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- .33' = 4"
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- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ▽ = Valve
- ⊗ = Water Meter
- ⊙ = Telephone Manhole
- = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
Test Hole # **53**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 15, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(2) 1 1/4" PLASTIC COX CONDUITS (FO)**
Foreman/Truck#/Form By **M. RUPERT / 223 / D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N
SIDE RTE 29, 100± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND
SOUTH SIDE RTE 29, 335± E OF LITTLE ROCKY RUN**

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.

Benchmarks Check **BY 0.03'**
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 **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **WET BROWN**

Truck Location **GRASS R/W**

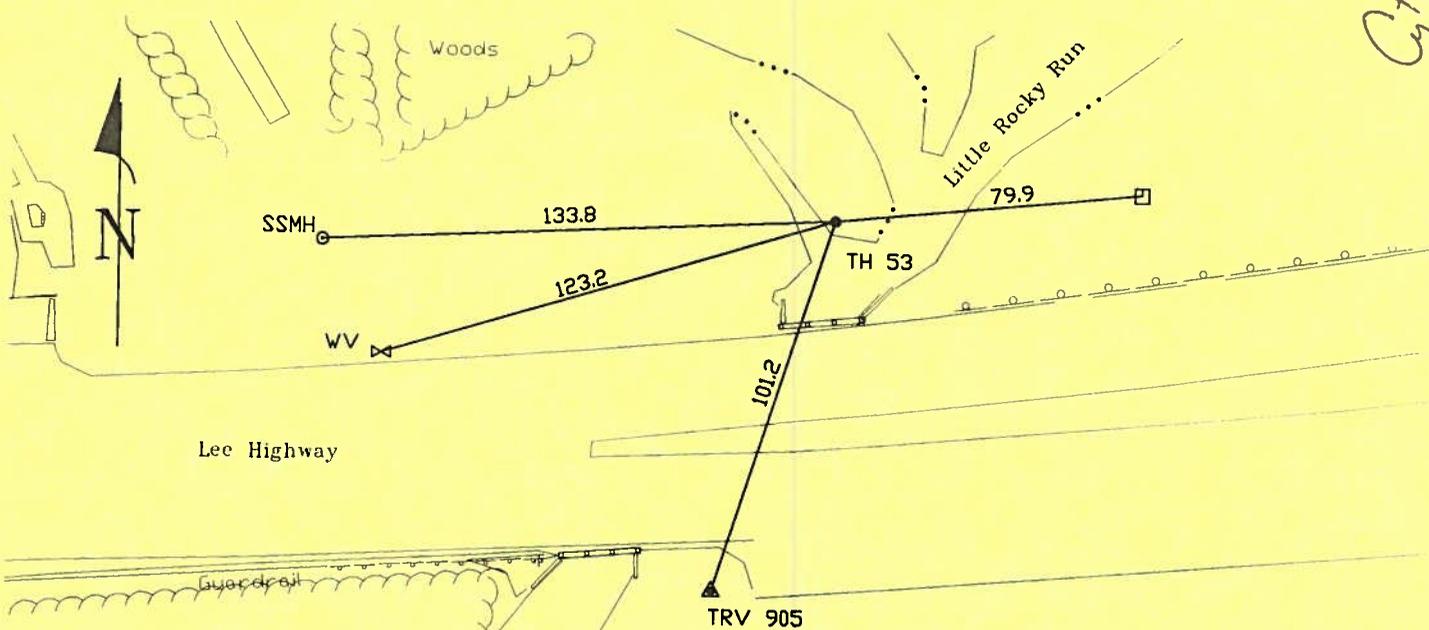
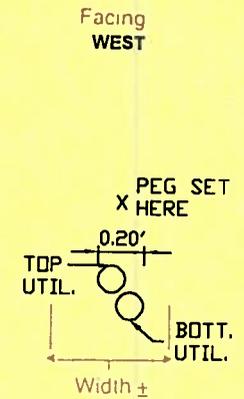
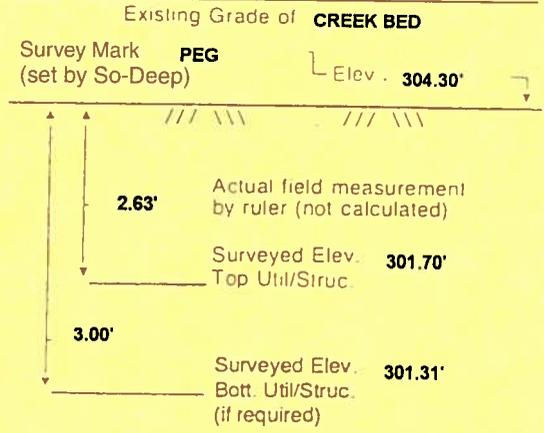
T.H. tied to **PEG**

(2) 1 1/2" PLASTIC COX CONDUITS (FO)

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

Remarks: **NONE**

*STA 112+00
75 LCL*



*Cy A. Stahl
7-28-11*

- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
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- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
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- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- .42' = 5"
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- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ⊗ = Valve
- ⊕ = Water Meter
- ⊙ = Telephone Manhole
- = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **54**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, EAST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(2) 1 1/4" PLASTIC COX CONDUITS (FO)**
Foreman/Truck#/Form By **M. RUPERT / 223 / D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**
Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**
Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

Benchmarks Check **BY 0.02'**
Elevations are referenced to **B.M.#1**

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **GRASS R/W**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **WET BROWN**

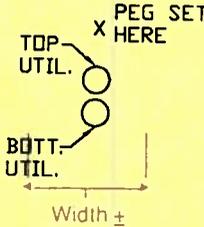
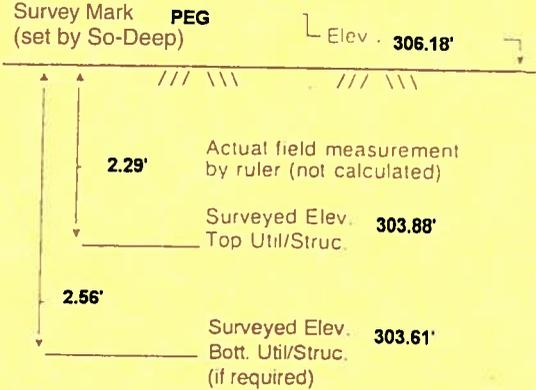
Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

(2) 1 1/2" PLASTIC COX CONDUITS (FO)

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

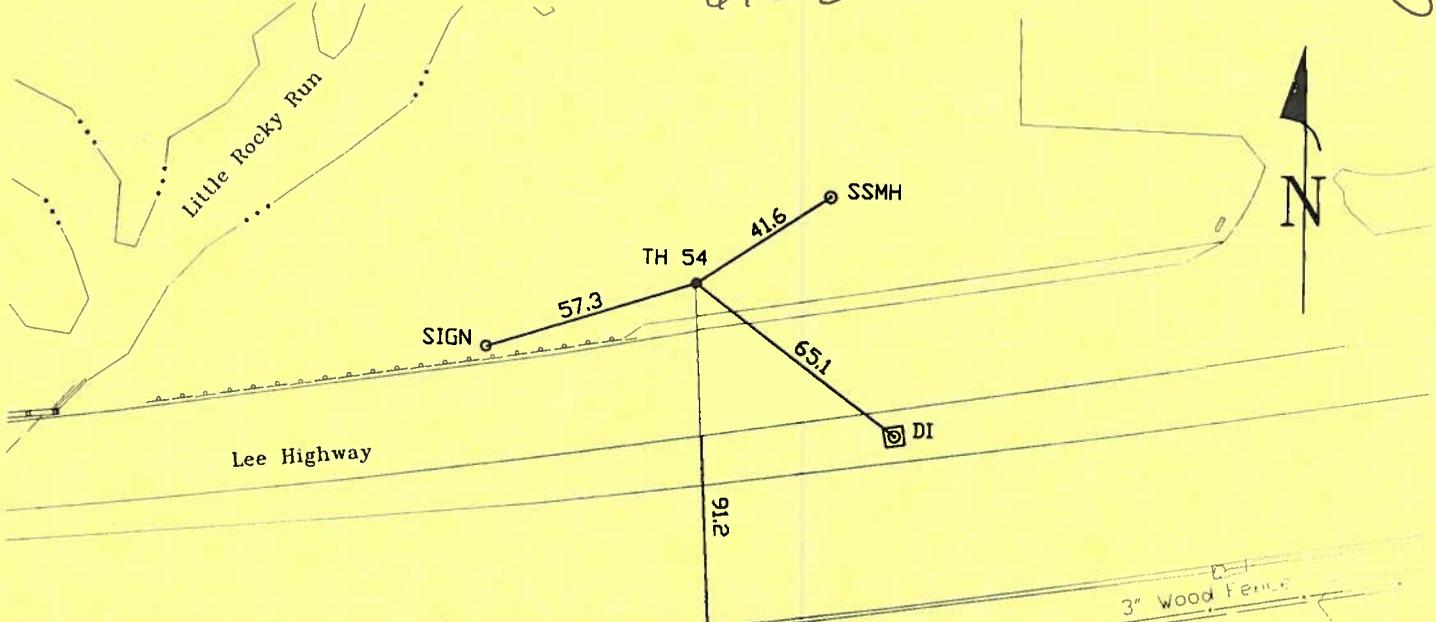
Facing
WEST



Remarks: **NONE**

*STA 113+75
C&L*

*Cy A. Stah
11-22-11*



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

- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- with cross = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊖ = T.S. = Traverse Station
- ⊗ = Valve
- ⊕ with cross = Water Meter
- ⊖ with cross = Telephone Manhole
- ⊕ with cross and dot = Telephone Pedestal

Performing out-of-sight work...with vision!™
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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **55**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, EAST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(2) 1 1/4" PLASTIC COX CONDUITS (FO)**
Foreman/Truck#/Form By **M. RUPERT / 214 / D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N
SIDE RTE 29, 100± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND,
SOUTH SIDE RTE 29, 335± E OF LITTLE ROCKY RUN**

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

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **GRASS R/W**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **WET BROWN**

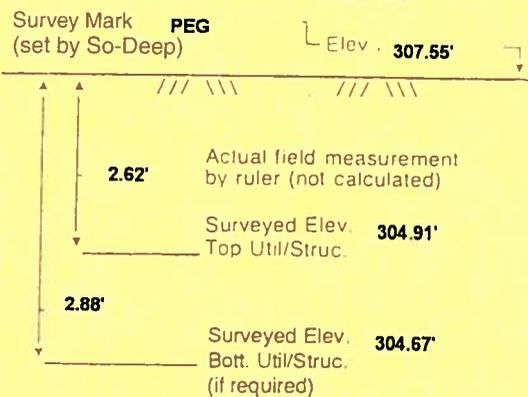
Truck Location **GRAVEL PARKING LOT**

T.H. tied to **PEG**

(2) 1 1/2" PLASTIC COX CONDUITS (FO)

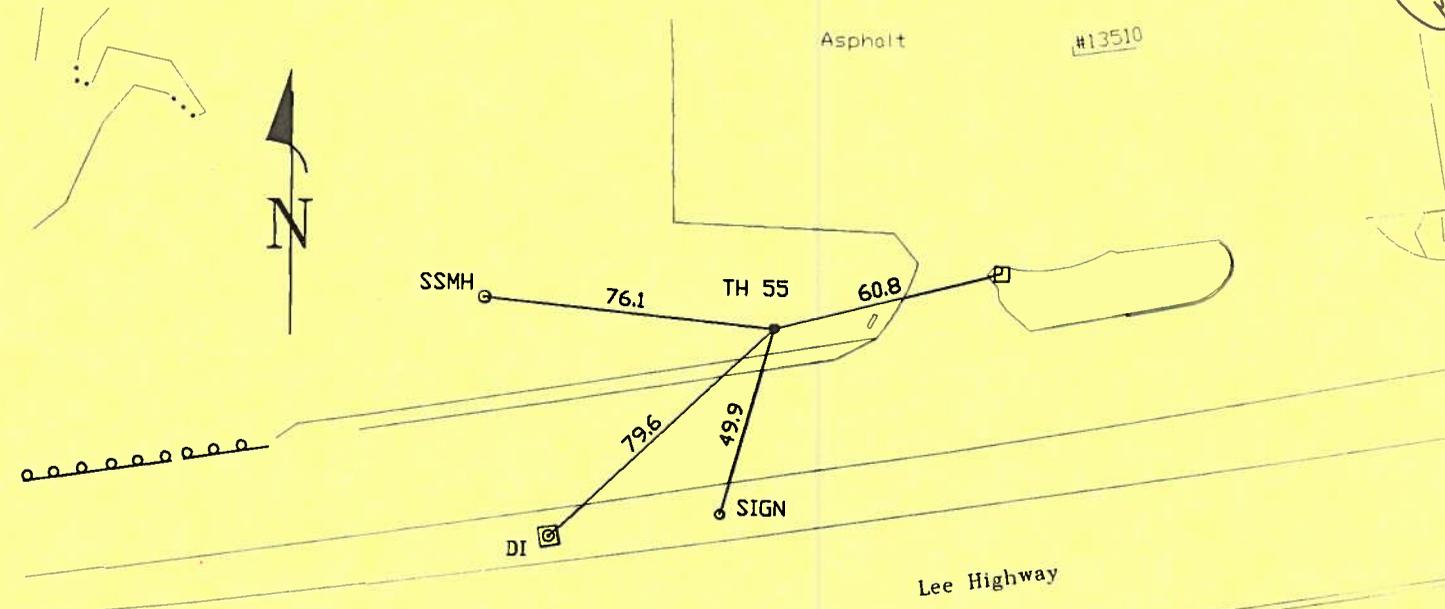
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: **NONE**



STA 115+00
60 L 4

CJA-Stack
7-28-11



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

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

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 responsible only for information shown on our forms.

.08" = 1'	○	Sewer Manhole
.16" = 2'	●	Test Hole
.25" = 3'	⊙	Fire Hydrant
.33" = 4'	□	Pole
.42" = 5'	—+—	Fence Line
.50" = 6'	⊕	Electric Manhole
.58" = 7'	△	T.S. = Traverse Station
.67" = 8'	▽	Valve
.75" = 9'	⊗	Water Meter
.83" = 10'	⊖	Telephone Manhole
.92" = 11'	⊠	Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **N SIDE RTE 29, IN FRONT OF BLDG #13600**
Recorded Size/Material/Type **6" PLASTIC GAS LINE**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT ENTR IN POOR CONDITION

Control # **VCLD007**
Test Hole # **56**
Plan Scale **1" = 25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP AND REBAR FOUND, SOUTH SIDE RTE. 29, 400'± W OF LITTLE ROCKY RUN.**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" FOUND IN C.B. MH RIM, N SIDE OF RTE. 29 @ END OF SIDEWALK, SW OF BLDG #13612.**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **4" ASPHALT**

Color of ribbon installed **YELLOW**

Soil Type **CLAY AND WATER**

Truck Location **ASPHALT ENTRANCE**

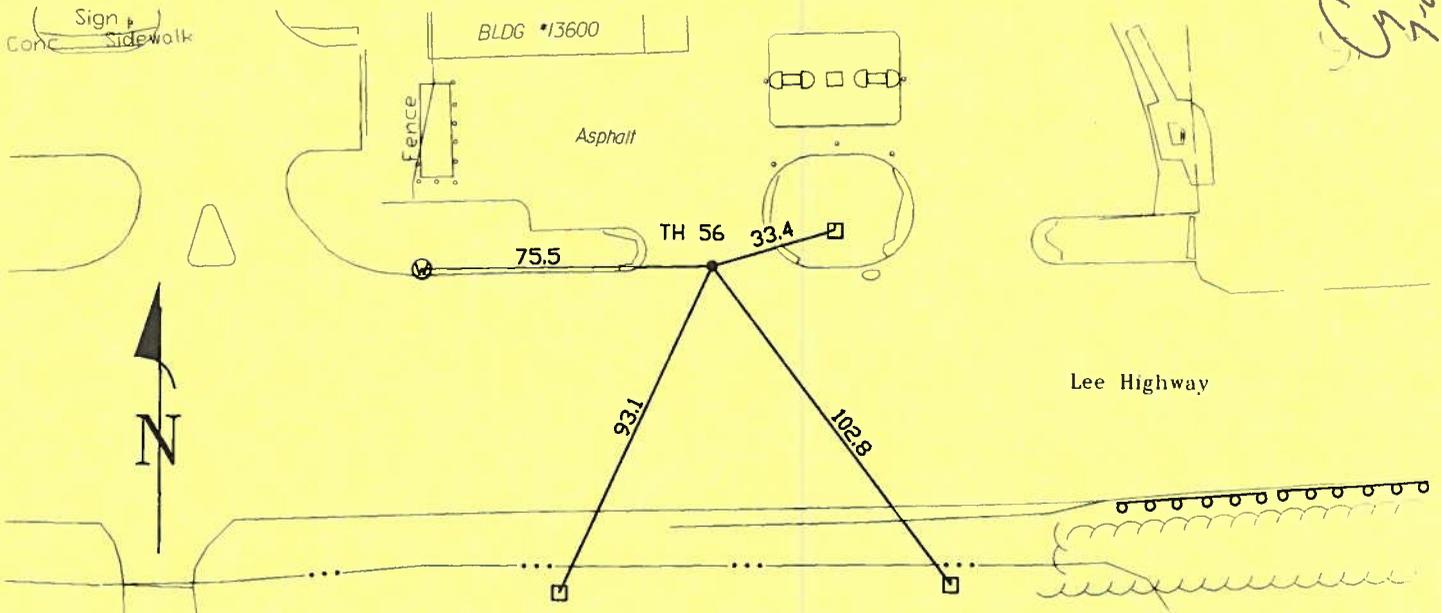
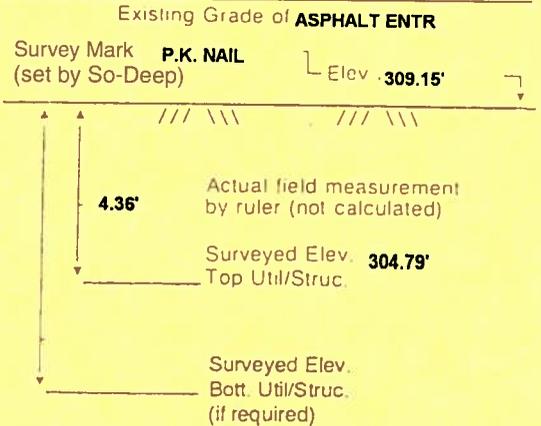
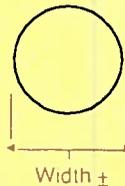
T.H. tied to **P.K. NAIL**

6 1/2" PLASTIC GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**

STA 108 +75
56 L 4

Facing **WEST**



C. A. Stahl
7-28-11

- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- 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 dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

- .08" = 1"
- .16" = 2"
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- .33" = 4"
- .42" = 5"
- .50" = 6"
- .58" = 7"
- .67" = 8"
- .75" = 9"
- .83" = 10"
- .92" = 11"

- Sewer Manhole
- Test Hole
- ⊙ Fire Hydrant
- Pole
- Fence Line
- ⊕ Electric Manhole
- △ T.S. = Traverse Station
- ⊗ Valve
- ⊙ Water Meter
- ⊙ Telephone Manhole
- Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **57**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 15, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **M. RUPERT / 223 / D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

Benchmarks Check **BY 0.03'**
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.

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 **NO PAVING**

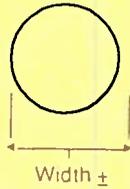
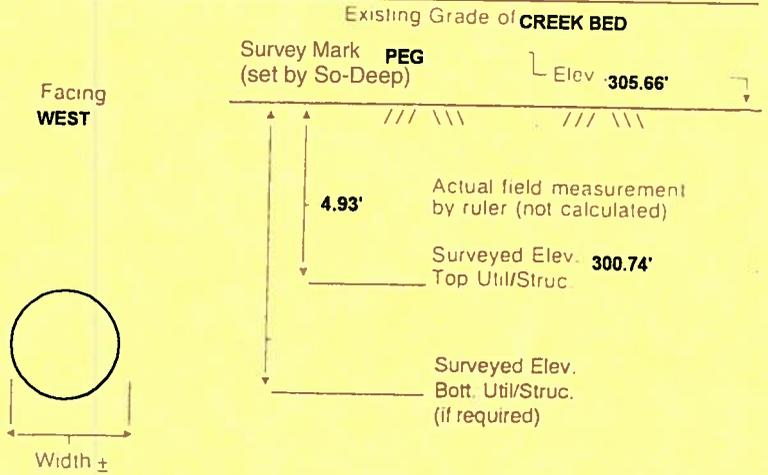
Color of ribbon installed **BLUE**

Soil Type **WET BROWN**

Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

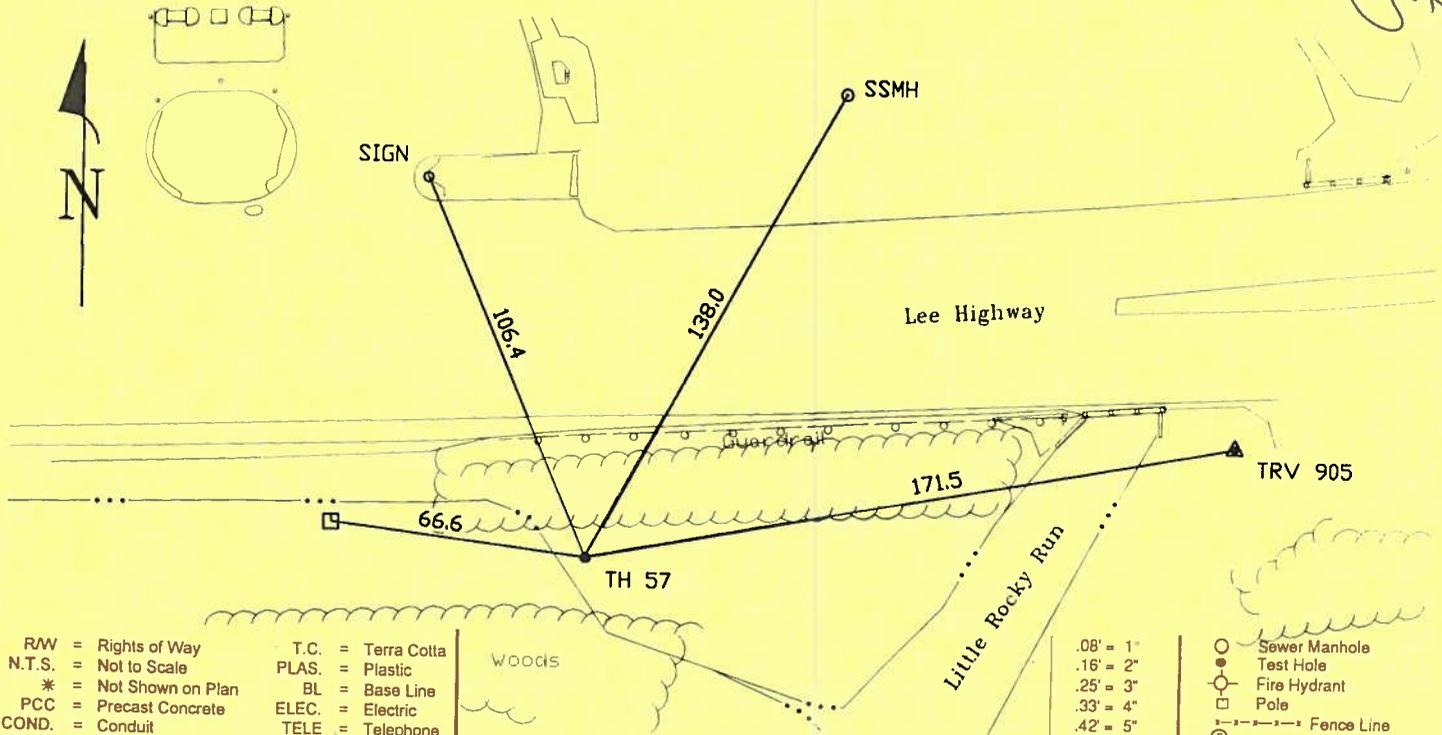
***24" (I.D.) D.I. WATER LINE**
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL



Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE WATER LINE DUE TO ROCKS AND COPIOUS WATER IN THE TEST HOLE.**

*STA 110+00
37 R 4*

*G.A. Sch
7-28-11*



- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- .75' = 9"
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- .92' = 11"

- = Sewer Manhole
- = Test Hole
- = Fire Hydrant
- = Pole
- = Fence Line
- ⊙ = Electric Manhole
- ⊙ = T.S. = Traverse Station
- ⊙ = Valve
- ⊙ = Water Meter
- ⊙ = Telephone Manhole
- ⊙ = Telephone Pedestal

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

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **58**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, EAST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **M. RUPERT / 223 / D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

Benchmarks Check **BY 0.02'**
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.

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 **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **WET BROWN**

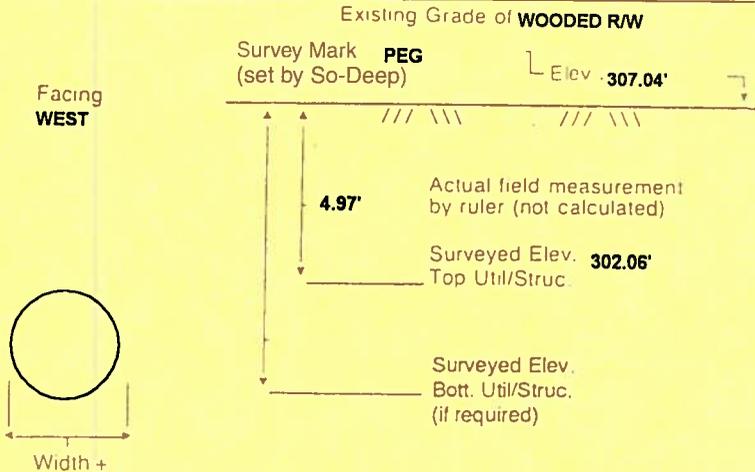
Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

***24" (I.D.) D.I. WATER LINE**

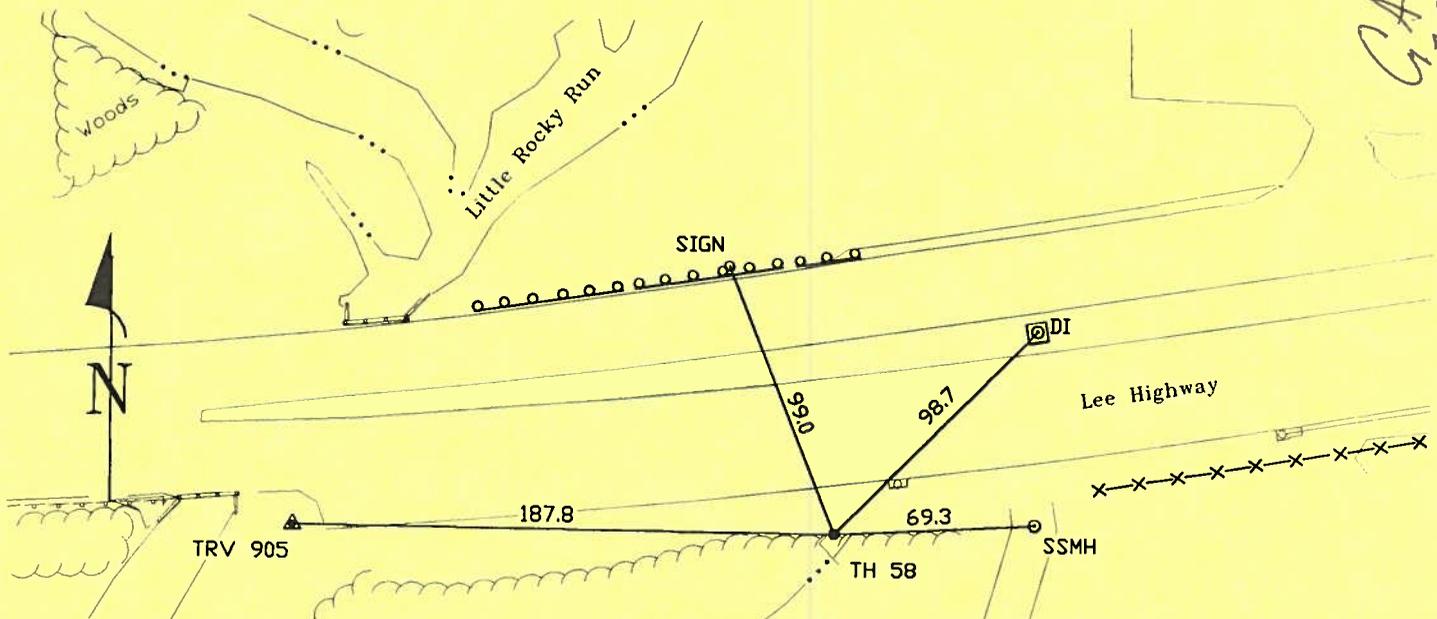
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: ***CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT ON THE WATER LINE DUE TO ROCKS AND UNSTABLE GROUND CONDITIONS IN THE TEST HOLE.**



STA 113 + 50
41 R & C

C.A. Stah
7-28-11



- R/W = Rights of Way
- N.T.S. = Not to Scale
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- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
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- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- .92' = 11"
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- ⊙ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ▽ = Valve
- ⊗ = Water Meter
- Ⓣ = Telephone Manhole
- Ⓜ = Telephone Pedestal

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
Test Hole # **59**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, EAST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **6" PLASTIC GAS LINE**
Foreman/Truck#/Form By **M. RUPERT / 214 / D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N SIDE RTE 29, 100'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND, SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

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.

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **GRASS R/W**

There **WERE NOT** additional utilities in the test hole

Survey Mark **STEEL PIN**
(set by So-Deep) Elev. **314.18'**

The utility **WAS** in good condition

Facing **WEST**

4.46' Actual field measurement by ruler (not calculated)

Paving Thickness and type **NO PAVING**

Color of ribbon installed **YELLOW**

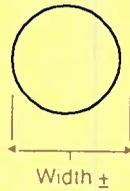
Soil Type **WET BROWN**

Truck Location **GRAVEL PARKING LOT**

T.H. tied to **STEEL PIN**

6 1/2" PLASTIC GAS LINE

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



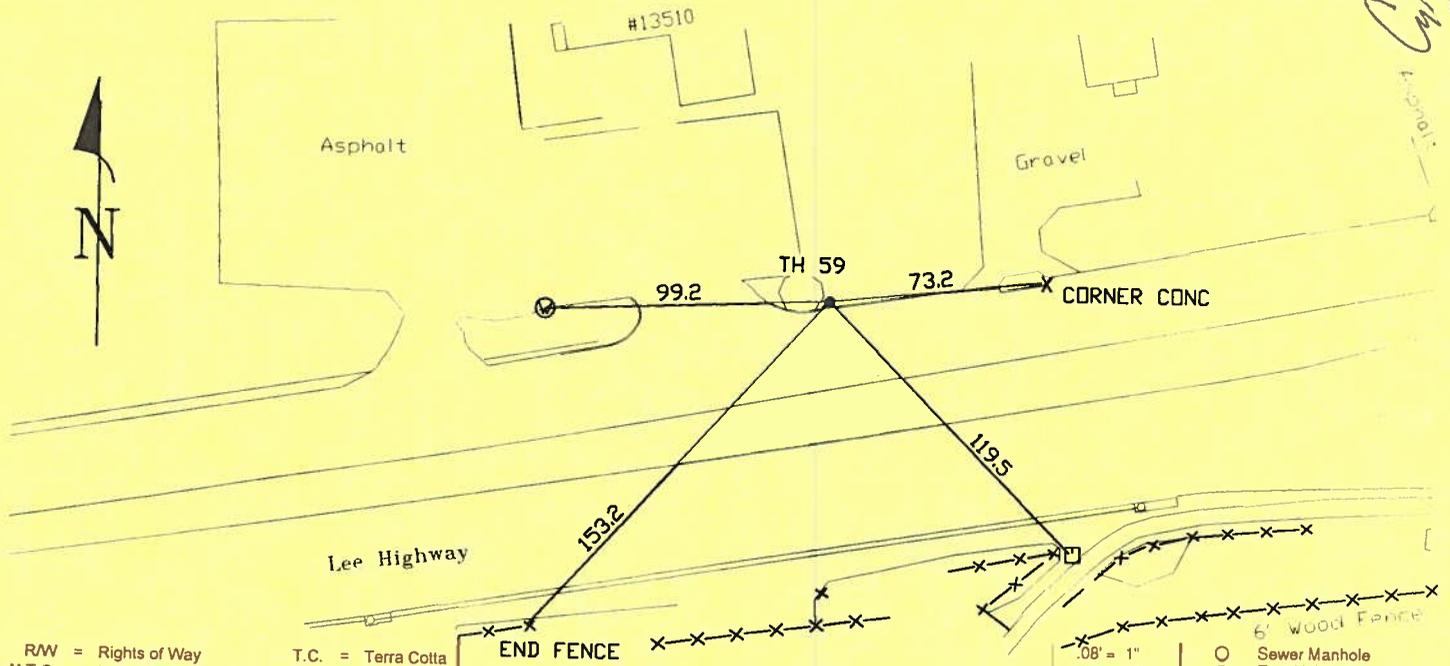
Surveyed Elev. **309.73'**
Top Util/Struc.

Surveyed Elev. **(if required)**
Bott. Util/Struc.

Remarks: **NONE**

STA 117+00
47LCL

Cap Steel
7-20-11



- R/W = Rights of Way
- N.T.S. = Not to Scale
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- .58" = 7"
- .67" = 8"
- .75" = 9"
- .83" = 10"
- .92" = 11"
- = Sewer Manhole
- = Test Hole
- with dot = Fire Hydrant
- = Pole
- ⊕ = Fence Line
- ⊙ = Electric Manhole
- ⊙ with T.S. = T.S. = Traverse Station
- ⊕ with V = Valve
- ⊕ with W = Water Meter
- ⊕ with T = Telephone Manhole
- ⊕ with R = Telephone Reduct



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Control # **VCLD007**
Test Hole # **60**
Plan Scale **1" = 25'**
Sheet # **3 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF CENTERVILLE FARM RD**
Recorded Size/Material/Type **6" PLASTIC GAS LINE**
Foreman/Truck#/Form By **M. RUPERT / 223 / D. CLARK**

Condition of paving prior to work
ASPHALT SHLD IN GOOD CONDITION

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69± RT OF SURVEY CL STA. 39+32±, RTE. 29**

B.M. 2 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29± RT OF SURVEY CL STA. 45+06±, RTE. 29**

Benchmarks Check **BY 0.03'**
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.

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **ASPHALT SHLD**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition

Paving Thickness and type **6" ASPHALT**

Color of ribbon installed **YELLOW**

Soil Type **MOIST BROWN**

Truck Location **ASPHALT ROADWAY**

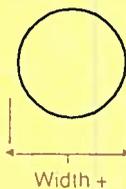
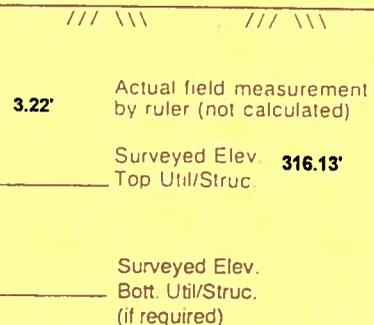
T.H. tied to **P.K. NAIL**

6 1/2" PLASTIC GAS LINE

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

Facing
WEST

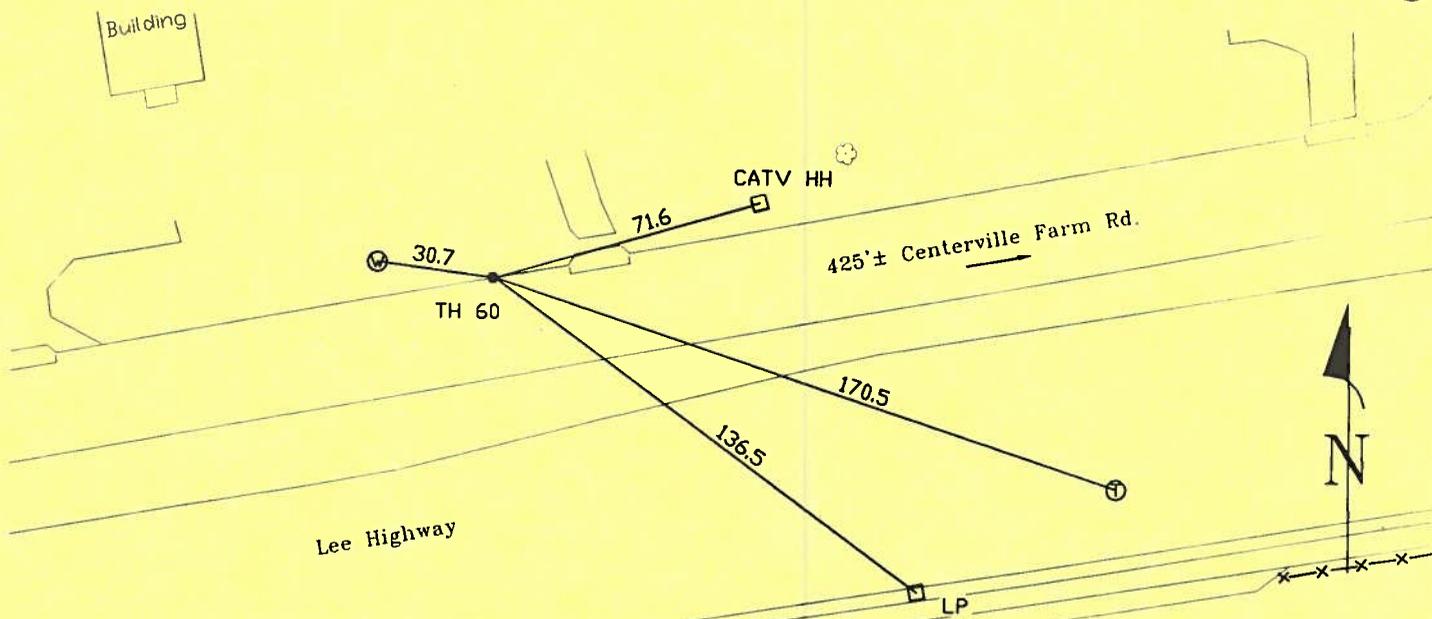
Survey Mark **P.K. NAIL**
(set by So-Deep) Elev. **319.35'**



Remarks: **NONE**

STA 118+75
40 L 4

C.A. Spahn
7-28-11



- R/W = Rights of Way
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- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

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- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- x---x---x--- = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ⊘ = Valve
- ⊗ = Water Meter
- ⊙ = Telephone Manhole
- = Telephone Pedestal

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **61**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 13, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, EAST OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **24" D.I. WATER LINE**
Foreman/Truck#/Form By **M. RUPERT / 214 / D. CLARK**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **308.75'**
is **GIVEN**

Description: **(TRAV #901) TOP OF CAP & REBAR FOUND, N
SIDE RTE 29, 100'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) TOP OF CAP & REBAR FOUND,
SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN**

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

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

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **GRASS R/W**

There **WERE NOT** additional utilities in the test hole

Survey Mark **STEEL PIN**
(set by So-Deep) Elev. **312.09'**

The utility **WAS** in good condition

Facing
WEST

Paving Thickness and type **NO PAVING**

8.57' Actual field measurement
by ruler (not calculated)

Color of ribbon installed **BLUE**

Surveyed Elev. **303.52'**
Top Util/Struct.

Soil Type **WET BROWN**

Truck Location **GRAVEL PARKING LOT**

Surveyed Elev.
Bott. Util/Struct.
(if required)

T.H. tied to **STEEL PIN**

24 3/4" D.I. WATER LINE

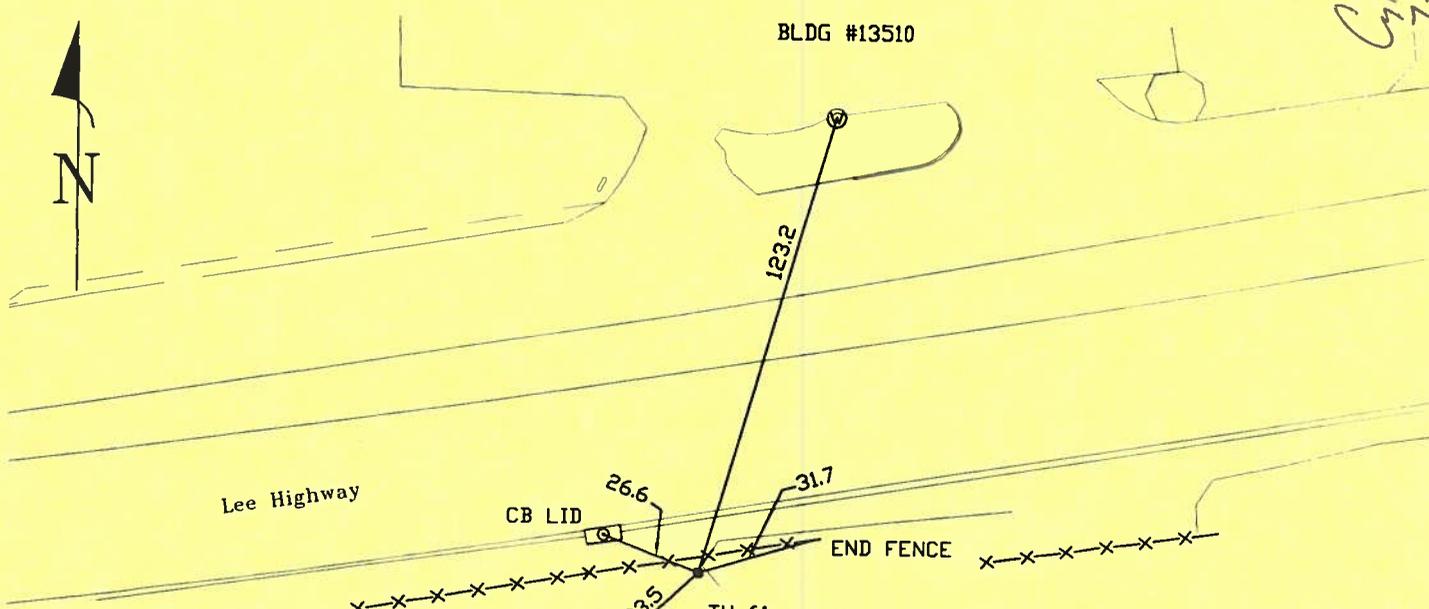
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL



Remarks: **NONE**

*STA 115+25
45 R &*

*Cy. A. Steh
7-28-11*



- R/W = Rights of Way
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8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **62**
Plan Scale **1" = 25'**
Sheet # **3 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF CENTERVILLE FARM RD**
Recorded Size/Material/Type **(2) 1 1/2" PLASTIC FO COX CONDUITS**
Foreman/Truck#/Form By **M. RUPERT / 223 / D. CLARK**

Condition of paving prior to work
ASPHALT DW IN POOR CONDITION

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69'± RT OF SURVEY CL STA. 39+32±, RTE. 29**

B.M. 2 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29'± RT OF SURVEY CL STA. 45+06±, RTE. 29**

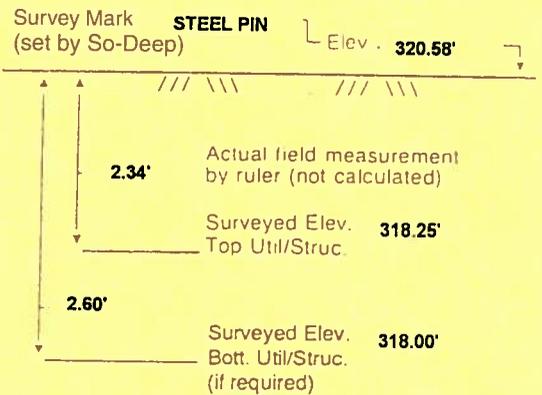
Benchmarks Check **BY 0.03'**
Elevations are referenced to **B.M.#1**

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.

Recorded Size/Type of utility **WAS FOUND**

Existing Grade of **ASPHALT DW**

There **WERE NOT** additional utilities in the test hole



The utility **WAS** in good condition

Paving Thickness and type **1/2" ASPHALT**

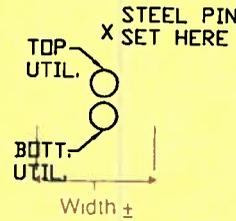
Color of ribbon installed **ORANGE**

Soil Type **MOIST BROWN**

Truck Location **ASPHALT ROADWAY**

T.H. tied to **STEEL PIN**

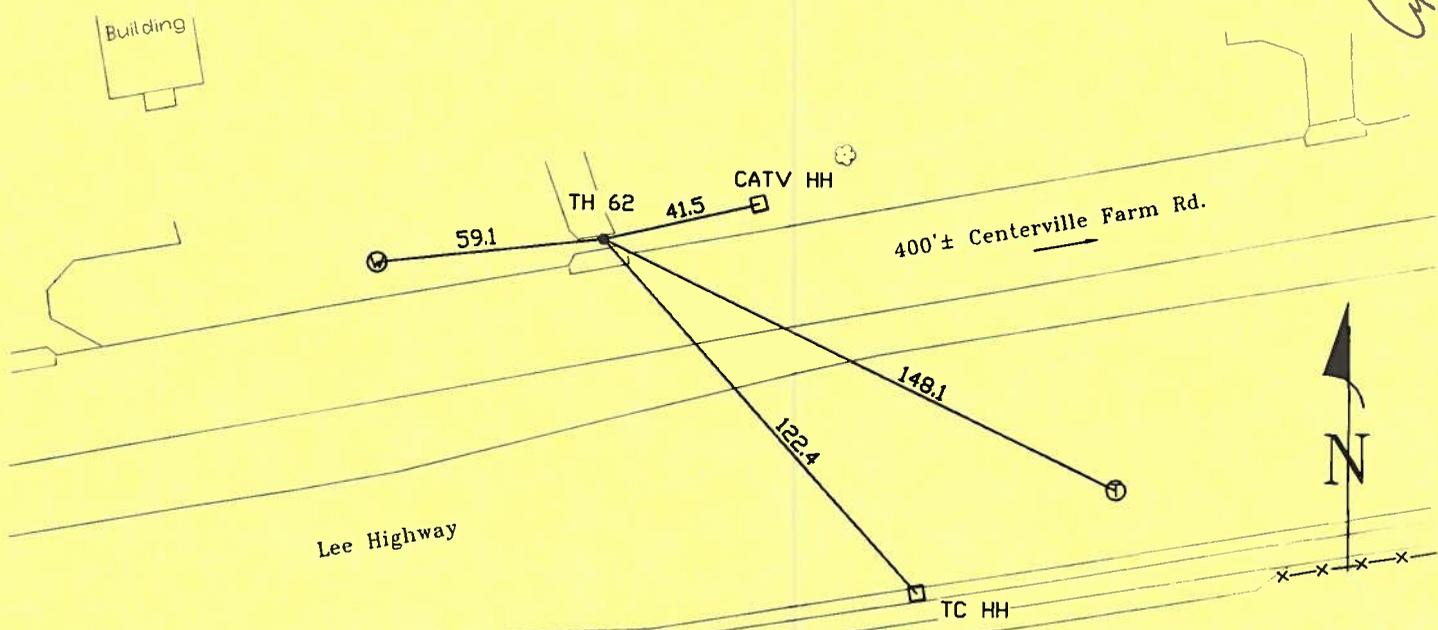
***(2) 1 1/2" PLASTIC COX CONDUITS (FO)**
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL



Remarks: *** COX HANDHOLE INSPECTION INDICATES THESE CONDUITS CONTAIN FIBER OPTIC CABLES.**

*STA 119+00
45 L CL*

*C. A. Stalk
7-29-11*



- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline
- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE. = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- 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 dimensions onto 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"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ▽ = Valve
- ⊗ = Water Meter
- ⓪ = Telephone Manhole
- ⊠ = Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **63**
Plan Scale **1" = 25'**
Sheet # **3 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF CENTERVILLE FARM RD**
Recorded Size/Material/Type **(2) 2 1/2" PLASTIC FO COX CONDUITS**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69'± RT OF SURVEY CL STA. 39+32±, RTE. 29**

B.M. 2 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29'± RT OF SURVEY CL STA. 45+06±, RTE. 29**

Benchmarks Check **BY 0.03'**
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.

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 **NO PAVING**

Color of ribbon installed **ORANGE**

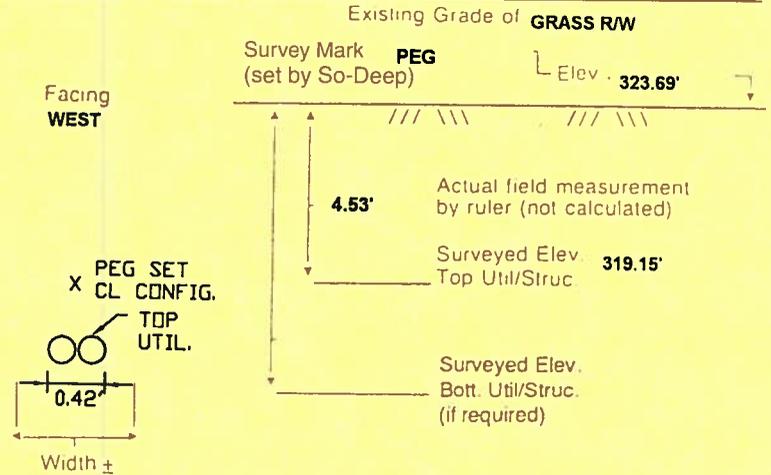
Soil Type **HARD PACKED DIRT**

Truck Location **ASPHALT ROADWAY**

T.H. tied to **PEG**

(2) 2 1/2" PLASTIC FO COX CONDUITS

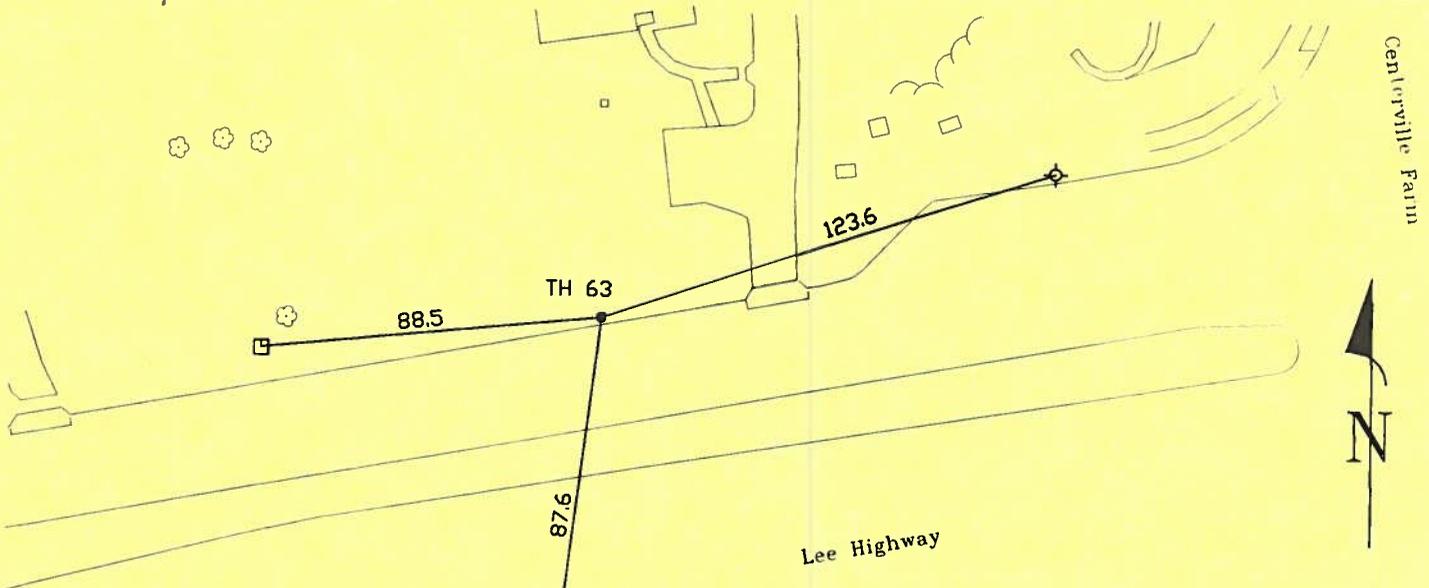
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL



Remarks: * COX HANDHOLE INSPECTION INDICATES THESE CONDUITS CONTAIN FIBER OPTIC CABLES.

*STA 120+50
43 LCL*

*C. A. Stahl
7-28-11*



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

- .08' = 1"
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- .33' = 4"
- .42' = 5"
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- .58' = 7"
- .67' = 8"
- .75' = 9"
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- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- — — = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ⊗ = Valve
- ⊙ = Water Meter
- ⊕ = Telephone Manhole
- = Telephone Pedestal

Performing out-of-sight work...with vision!TM
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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD007**
Test Hole # **64**
Plan Scale **1" = 25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF CENTERVILLE FARM RD**
Recorded Size/Material/Type **(2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT RDWY IN GOOD CONDITION

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69'± RT OF SURVEY CL STA. 39+32±, RTE. 29**

B.M. 2 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29'± RT OF SURVEY CL STA. 45+06±, RTE. 29**

Benchmarks Check **BY 0.03'**
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.

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 **10" ASPHALT**

Color of ribbon installed **ORANGE**

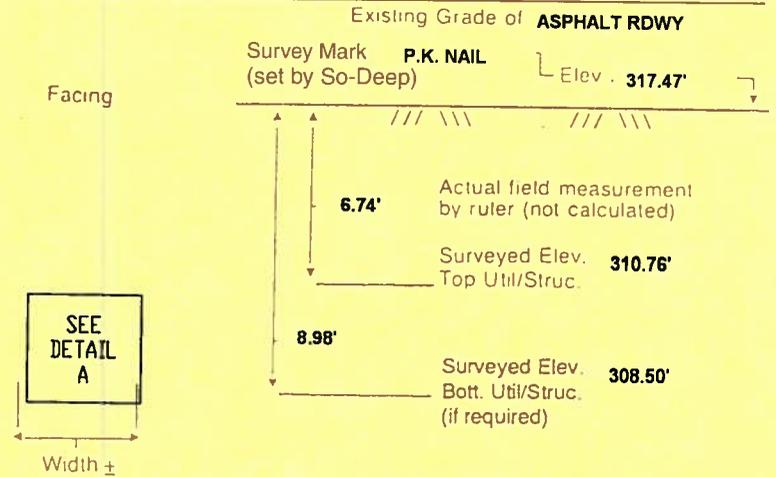
Soil Type **MOIST BROWN**

Truck Location **ASPHALT ROADWAY**

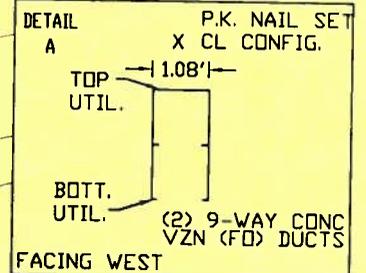
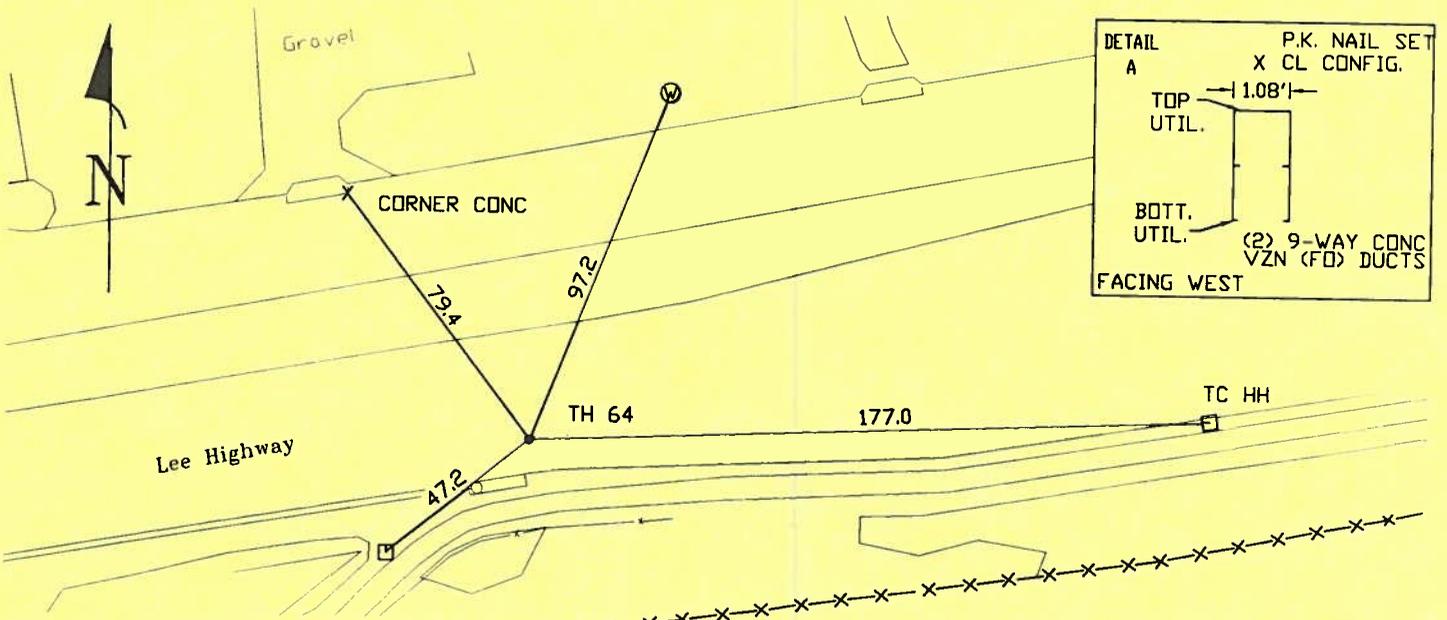
T.H. tied to **P.K. NAIL**

(2) 9-WAY PRECAST CONCRETE VERIZON DUCTS (FO)
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: * VERIZON MANHOLE INSPECTION INDICATES THESE DUCTS CONTAIN FIBER OPTIC CABLES.



*57A 118+00
32R4*



- R/W = Rights of Way
- N.T.S. = Not to Scale
- * = Not Shown on Plan
- PCC = Precast Concrete
- COND. = Conduit
- CONC. = Concrete
- O.D. = Outside Diameter
- C.I. = Cast Iron
- D.I. = Ductile Iron
- RPC = Rough Pour Concrete
- CL = Centerline

- T.C. = Terra Cotta
- PLAS. = Plastic
- BL = Base Line
- ELEC. = Electric
- TELE = Telephone
- T.H. = Test Hole
- SW = Sidewalk
- DW = Driveway
- BM = Benchmark
- C.B. = Catch Basin
- GV = Gas Valve

- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"

- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊖ = T.S. = Traverse Station
- ⊗ = Valve
- ⊙ = Water Meter
- ⊙ = Telephone Manhole
- ⊙ = Telephone Pedestal

Coz A. Stah
7-28-11
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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD007**
Test Hole # **65**
Plan Scale **1" = 25'**
Sheet # **3 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF CENTERVILLE FARM RD**
Recorded Size/Material/Type **12" STEEL VERIZON CASING PIPE (FO)**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT RDWY IN GOOD CONDITION

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69'± RT OF SURVEY CL STA. 39+32±, RTE. 29**

B.M. 2 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29'± RT OF SURVEY CL STA. 45+06±, RTE. 29**

Benchmarks Check **BY 0.03'**
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.

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 **11" ASPHALT**

Color of ribbon installed **ORANGE**

Soil Type **MOIST BROWN**

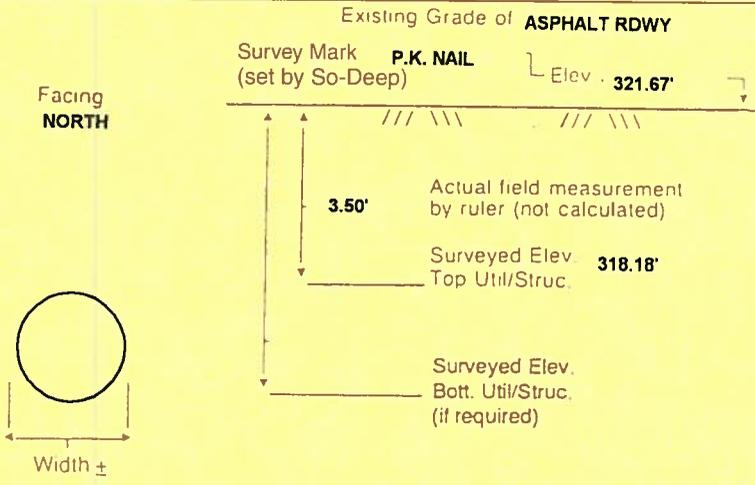
Truck Location **ASPHALT ROADWAY**

T.H. tied to **P.K. NAIL**

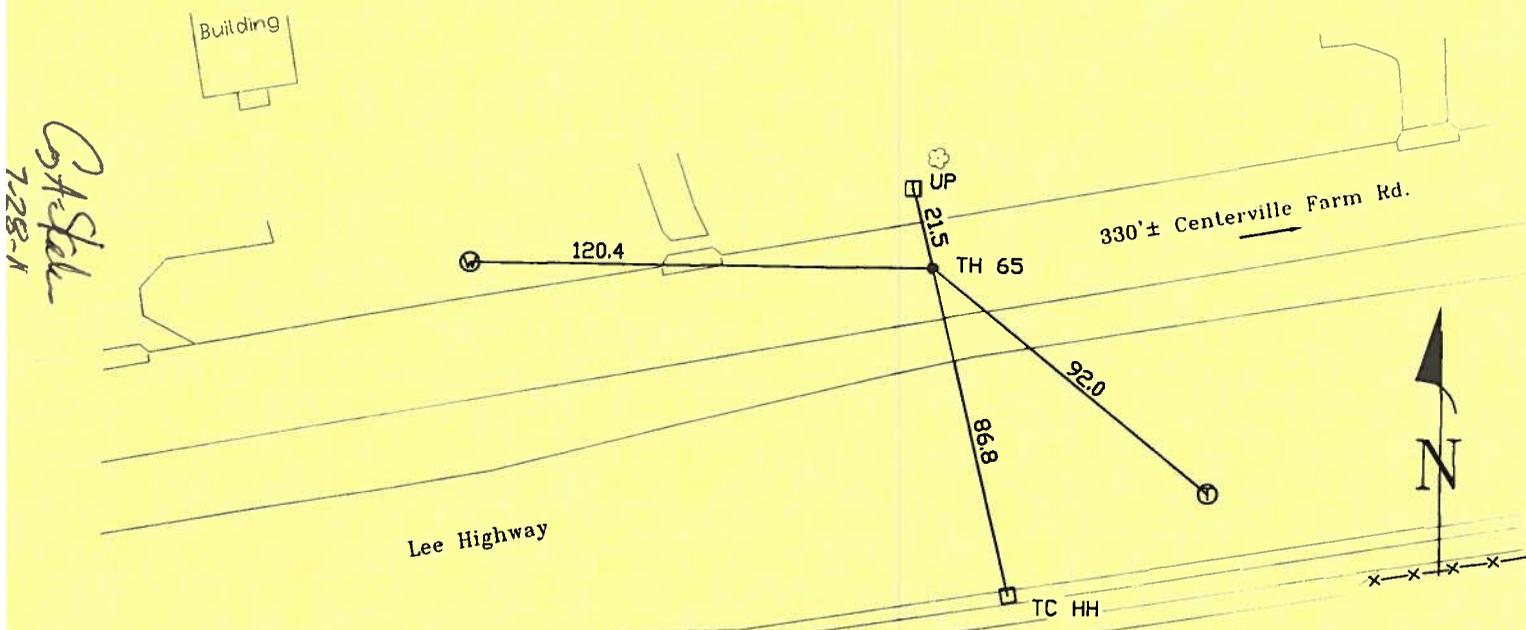
***12 1/2" STEEL VERIZON CASING PIPE (FO)**

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

Remarks: *** VERIZON MANHOLE INSPECTION INDICATES THIS PIPE SERVES AS A CASING FOR FIBER OPTIC CABLES.**



*STA 119+75
28 L 4*



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

- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | ⊕ = Fence Line |
| .50' = 6" | ⊖ = Electric Manhole |
| .58' = 7" | ⊗ = T.S. = Traverse Station |
| .67' = 8" | ⊘ = Valve |
| .75' = 9" | ⊙ = Water Meter |
| .83' = 10" | ⊖ = Telephone Manhole |
| .92' = 11" | □ = Telephone Pedestal |

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD007**
Test Hole # **66**
Plan Scale **1" = 25'**
Sheet # **3 OF 3**
Proposed **GRADE CHANGE**
Date **JULY 14, 2011**

City, County, State **FAIRFAX CO., VA**
Gen. Loc. **RTE 29, WEST OF CENTERVILLE FARM RD**
Recorded Size/Material/Type **(3) 4" FIBER VERIZON CONDUITS (FO)**
Foreman/Truck#/Form By **E. CARROLL / 224 / M. ARMSTRONG**

Condition of paving prior to work
ASPHALT RDWY IN GOOD CONDITION

B.M. 1 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69'± RT OF SURVEY CL STA. 39+32±, RTE. 29**

B.M. 2 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29'± RT OF SURVEY CL STA. 45+06±, RTE. 29**

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.

Benchmarks Check **BY 0.03'**
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 **11" ASPHALT**

Color of ribbon installed **ORANGE**

Soil Type **MOIST BROWN**

Truck Location **ASPHALT ROADWAY**

T.H. tied to **P.K. NAIL**

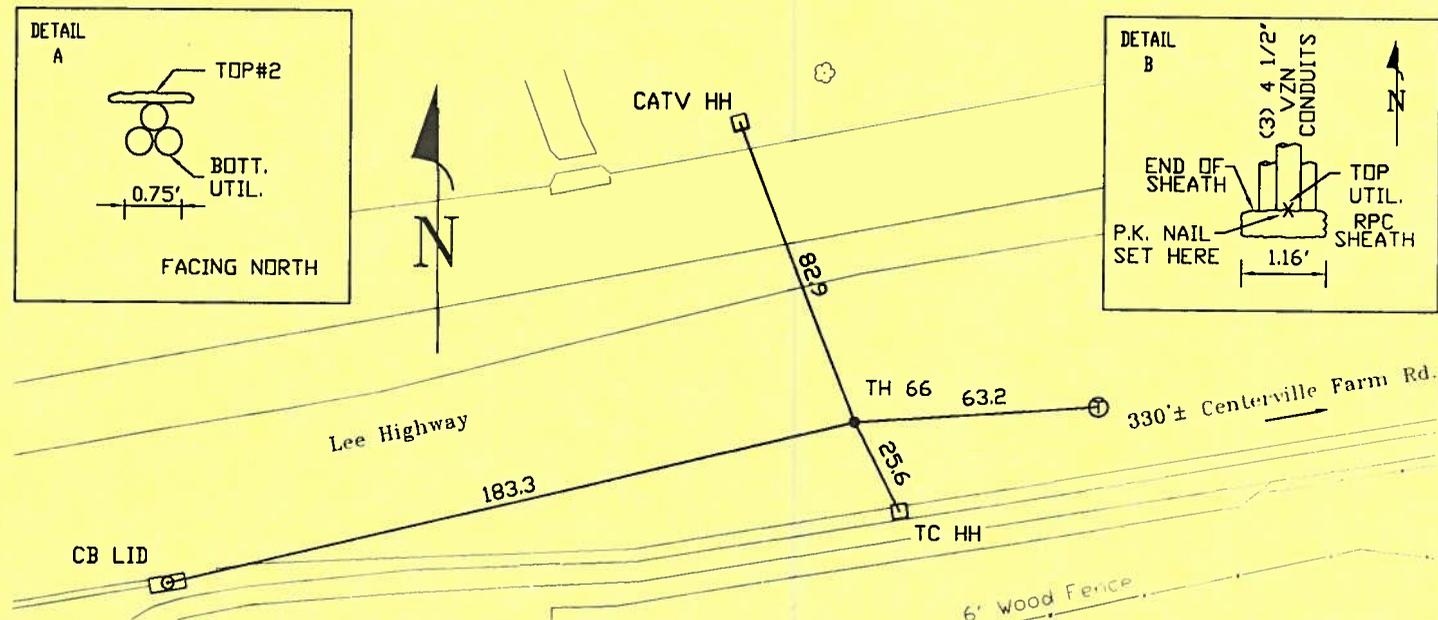
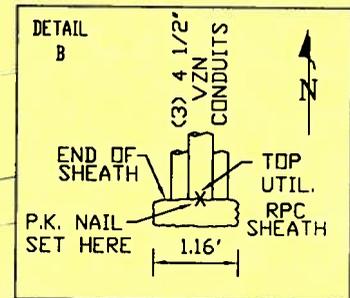
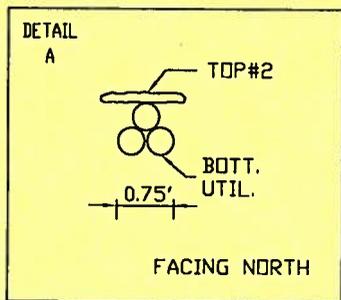
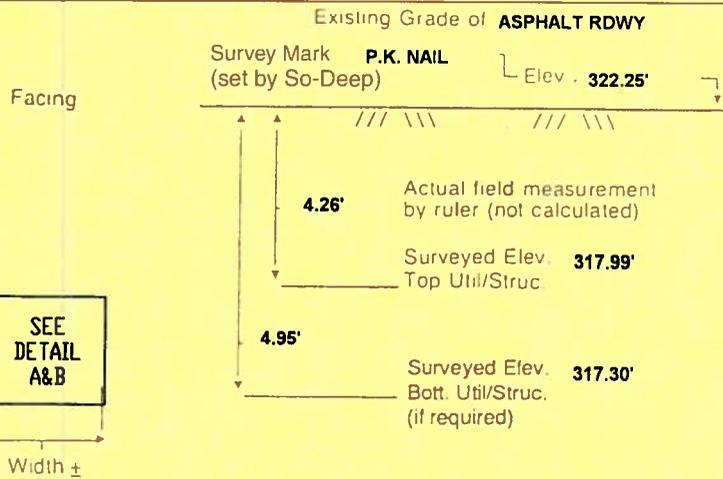
***(3) 4 1/2" FIBER VERIZON CONDUITS (FO)**

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

Remarks: *** VERIZON MANHOLE INSPECTION THESE CONDUITS CONTAIN FIBER OPTIC CABLES. CREW FOUND THE CONDUITS PARTIALLY UNDER A 1.16' WIDE RPC SHEATH AT THIS LOCATION**

**TOP#2
ELEV. 318.04
ACTUAL 4.21**

*STA 119+75
34RQ*



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

*Cy A. Stahl
7-28-11*
Performing 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 responsible only for information shown on our forms.

- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- — — = Fence Line
- ⊕ = Electric Manhole
- ⊖ = T.S. = Traverse Station
- ⊗ = Valve
- ⊕ = Water Meter
- ⊖ = Telephone Manhole
- = Telephone Pedestal
- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"



The Subsurface Utility Engineering Company

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

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

ASCE C/1 38-02

Control # **VCLD186**
Test Hole # **67**
Plan Scale **1"=25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 29, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **WBL RTE. 29, 765'± W. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **6" W/STL. GAS LINE**
Foreman/Truck#/Form By **R, LUCKS / 224 / M. RUPERT**

Condition of paving prior to work
ASP. RDWY IN GOOD CONDITION

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM C.B.MH RIM N SIDE OF RTE
29, @ END OF SIDEWALK NEAR MOBIL STATION**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **11" ASPHALT**

Color of ribbon installed **YELLOW**

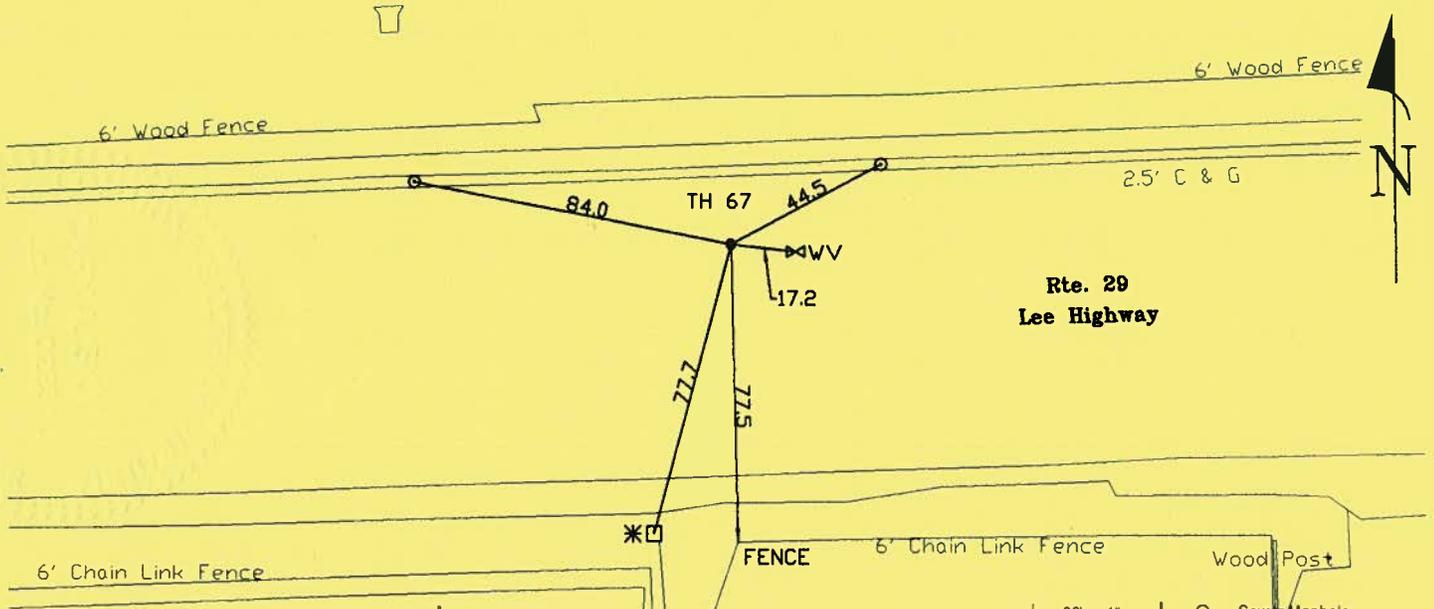
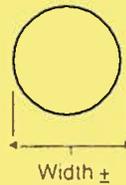
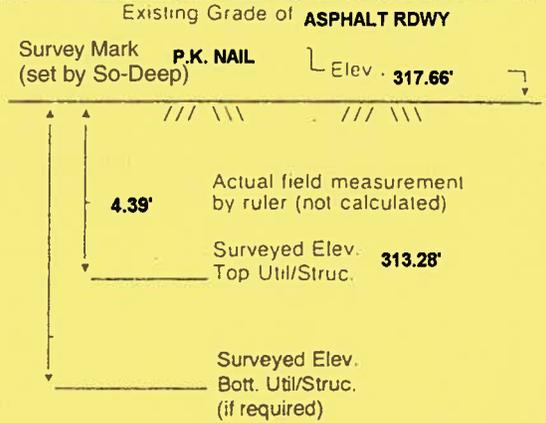
Soil Type **HARD GRAVEL**

Truck Location **ASPHALT RDWY**

T.H. tied to **P.K. NAIL**

6 1/2" PLASTIC GAS LINE
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: **NONE**



G.A. Stahl
10/18/11

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

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- | | |
|------------|-----------------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ○ with dot = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | —+— = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | △ = T.S. = Traverse Station |
| .67' = 8" | ∩ = Valve |
| .75' = 9" | ⊕ with dot = Water Meter |
| .83' = 10" | ⊕ with cross = Telephone Manhole |
| .92' = 11" | □ with cross = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form

Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD186**
Test Hole # **68**
Plan Scale **1"=25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 29, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **N. SIDE RTE 29, 750'± W. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **8" D.I. WATER LINE**
Foreman/Truck#/Form By **R, LUCKS / 224 / M. RUPERT**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP & REBAR FOUND SOUTH SIDE RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM C.B. MH RIM N SIDE OF RTE 29, @ END OF SIDEWALK NEAR MOBIL STATION**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **MOIST BROWN**

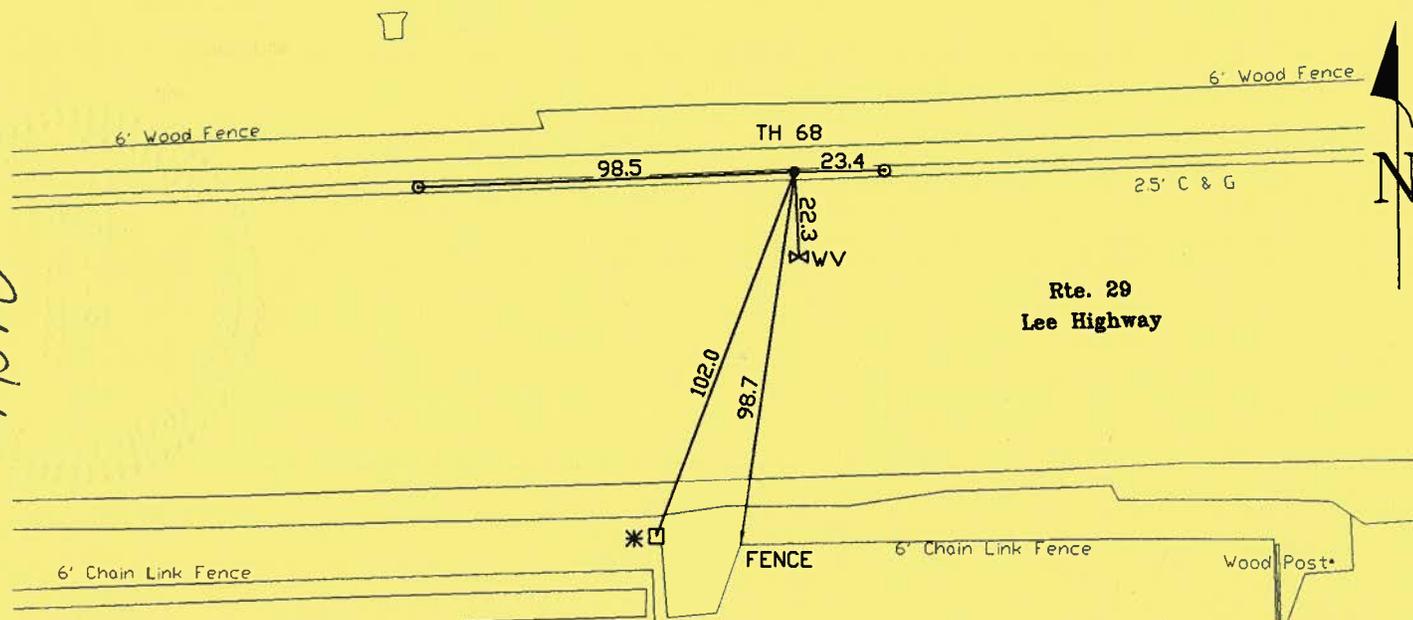
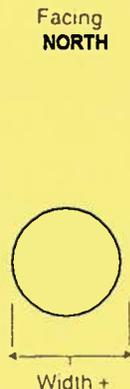
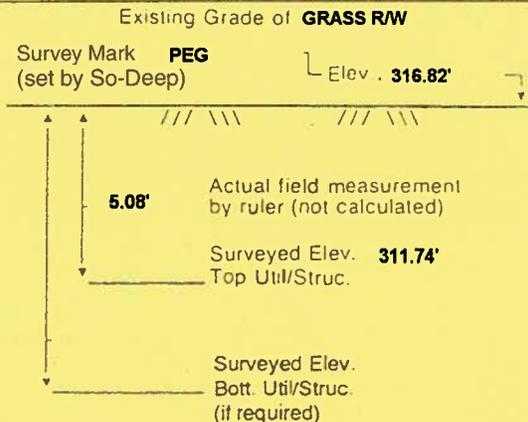
Truck Location **GRASS R/W**

T.H. tied to **PEG**

8 3/4" D.I. WATER LINE

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

Remarks: **NONE**



*CA-Schl
10/18/11*

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

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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 responsible only for information shown on our forms.

- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | — — — — — = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | ⊕ = T.S. = Traverse Station |
| .67' = 8" | ⊕ = Valve |
| .75' = 9" | ⊕ = Water Meter |
| .83' = 10" | ⊕ = Telephone Manhole |
| .92' = 11" | ⊕ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form
Utility Quality Level A Data

ASCE C/ 38-02

Condition of paving prior to work
NO PAVING

Control # VCLD186
Test Hole # 69
Plan Scale 1"=25'
Sheet # 1 OF 3
Proposed GRADE CHANGE
Date SEPTEMBER 29, 2011

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. S. SIDE RTE 29, 945± W. OF LITTLE ROCKY RUN
Recorded Size/Material/Type (4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)
Foreman/Truck#/Form By R, LUCKS / 224 / M. RUPERT

B.M. 1 Elev. = 307.72'
is GIVEN

Description: (TRAV #900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN

B.M. 2 Elev. = 311.04'
is GIVEN

Description: CHIS "X" SET IN RIM C.B.MH RIM N SIDE OF RTE
29, @ END OF SIDEWALK NEAR MOBIL STATION

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.

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 NO PAVING

Color of ribbon installed ORANGE

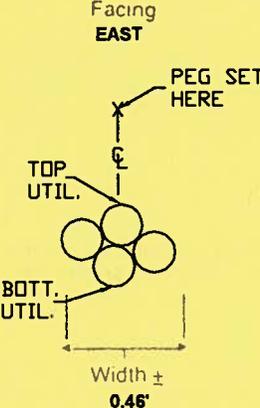
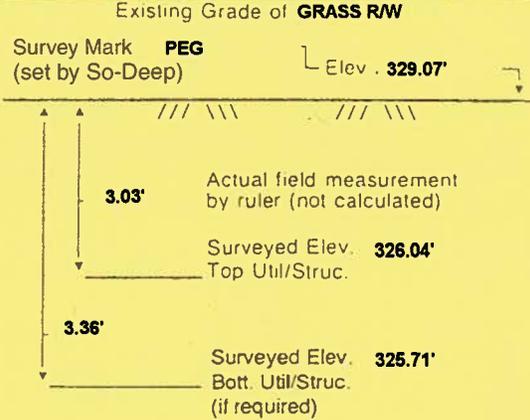
Soil Type MOIST BROWN

Truck Location ASPHALT SHOULDER

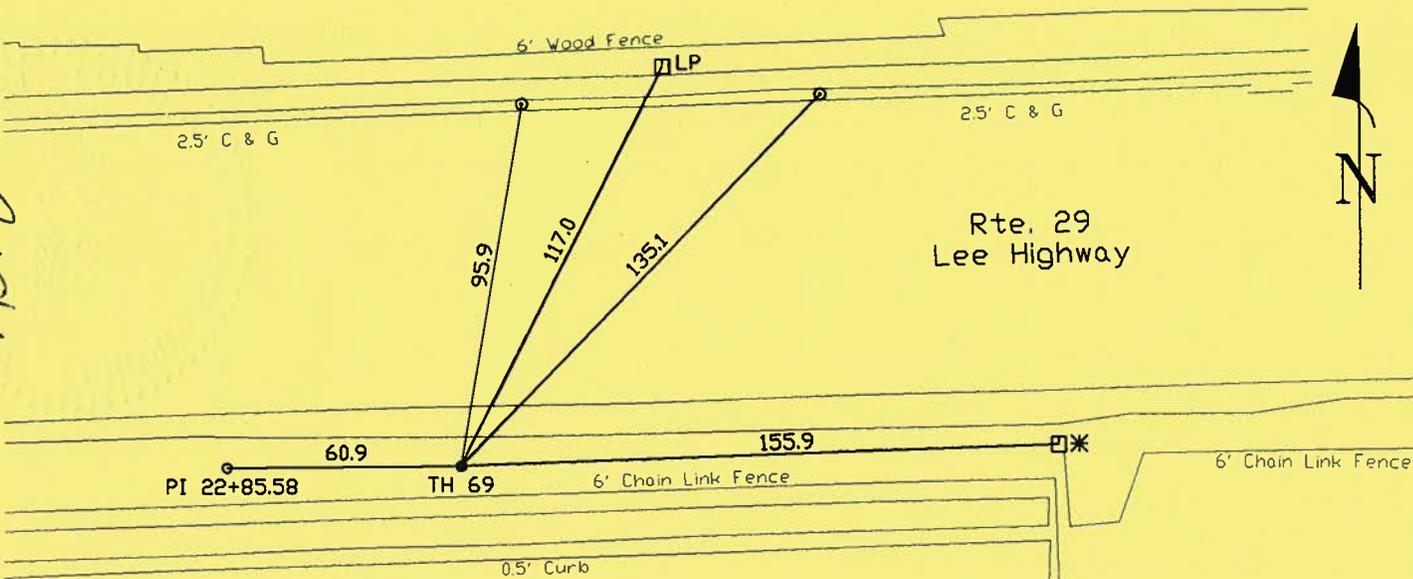
T.H. tied to PEG

(4) 2" PLASTIC FIBERLIGHT CONDUITS (FO)
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: NONE



Handwritten note: C & G 10/18/11



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

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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 responsible only for information shown on our forms.

- 1/8" = 1"
1/16" = 2"
1/32" = 3"
1/64" = 4"
1/128" = 5"
1/256" = 6"
1/512" = 7"
1/1024" = 8"
1/2048" = 9"
1/4096" = 10"
1/8192" = 11"
Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

Control # **VCLD186**
Test Hole # **70**
Plan Scale **1"=25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 29, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **S. SIDE RTE 29, 770'± W. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)**
Foreman/Truck#/Form By **R, LUCKS / 224 / M. RUPERT**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP & REBAR FOUND SOUTH SIDE RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM C.B.MH RIM N SIDE OF RTE 29, @ END OF SIDEWALK NEAR MOBIL STATION**

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.

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 **NO PAVING**

Color of ribbon installed **ORANGE**

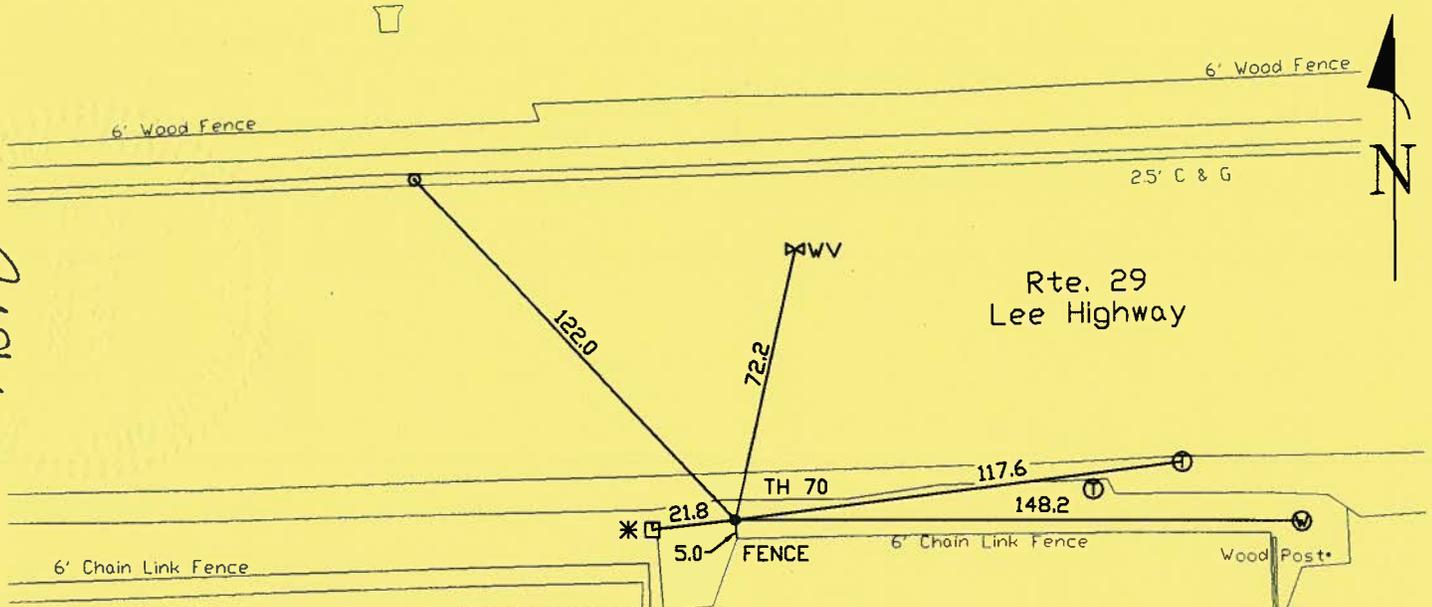
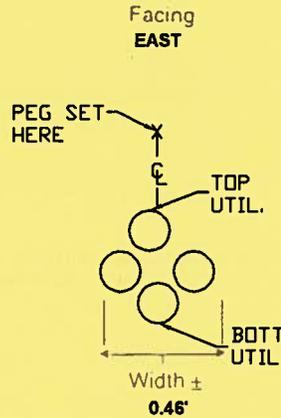
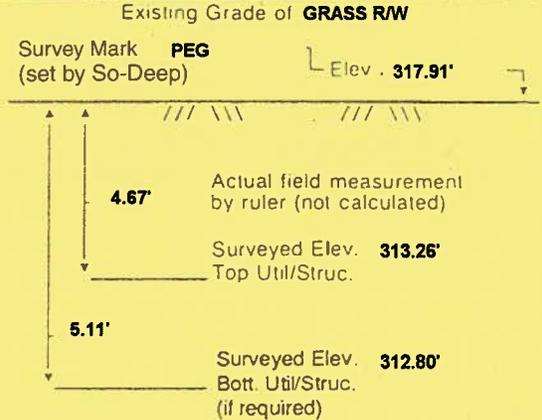
Soil Type **HARD BROWN**

Truck Location **RT SHOULDER**

T.H. tied to **PEG**

(4) 2" PLASTIC FIBERLIGHT CONDUITS (FO)
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: **NONE**



CA Stahl
10/13/11

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

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- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | --- Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | ⊖ = T.S. = Traverse Station |
| .67' = 8" | ⊗ = Valve |
| .75' = 9" | ⊙ = Water Meter |
| .83' = 10" | ⊙ = Telephone Manhole |
| .92' = 11" | ⊙ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **S. SIDE RTE 29, 470'± W. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)**
Foreman/Truck#/Form By **R. LUCKS / 224 / M. RUPERT**

Condition of paving prior to work
NO PAVING

Control # **VCLD186**
Test Hole # **71**
Plan Scale **1"=25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 30, 2011**

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440'± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM C.B.MH RIM N SIDE OF RTE
29, @ END OF SIDEWALK NEAR MOBIL STATION**

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.

Benchmarks Check **BY 0.02'**
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 **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **HARD BROWN**

Truck Location **ASPHALT SHOULDER**

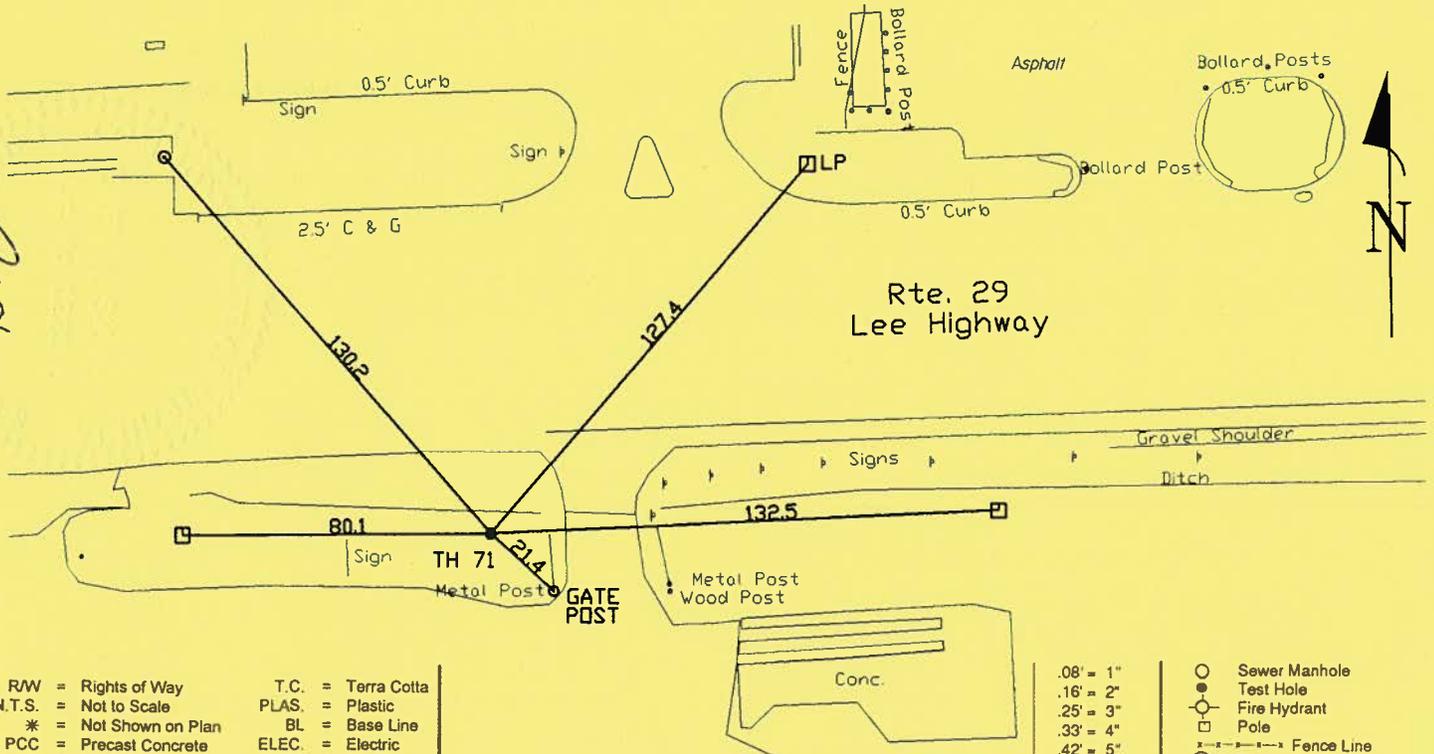
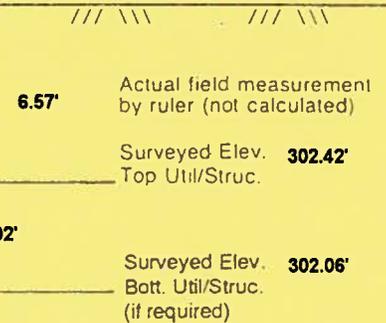
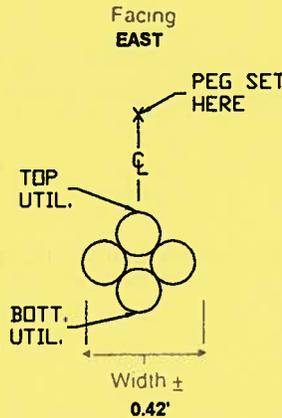
T.H. tied to **PEG**

(4) 2" PLASTIC FIBERLIGHT CONDUITS (FO)
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: **NONE**

Existing Grade of **GRASS R/W**

Survey Mark **PEG**
(set by So-Deep) Elev. **308.98'**



Handwritten note: C-1-Steel 10/18/11

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

- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊞ = Fence Line
- ⊕ = Electric Manhole
- ⊞ = T.S. = Traverse Station
- ⊞ = Valve
- ⊞ = Water Meter
- ⊞ = Telephone Manhole
- ⊞ = Telephone Pedestal

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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 responsible only for information shown on our forms.



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Condition of paving prior to work
NO PAVING

Control # **VCLD186**
Test Hole # **72**
Plan Scale **1"=25'**
Sheet # **1 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 30, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **S. SIDE RTE 29, 365± W. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)**
Foreman/Truck#/Form By **R. LUCKS / 224 / M. RUPERT**

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP & REBAR FOUND SOUTH SIDE RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM C.B. MH RIM N SIDE OF RTE 29, @ END OF SIDEWALK NEAR MOBIL STATION**

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.

Benchmarks Check **BY 0.02'**
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 **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **HARD BROWN**

Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

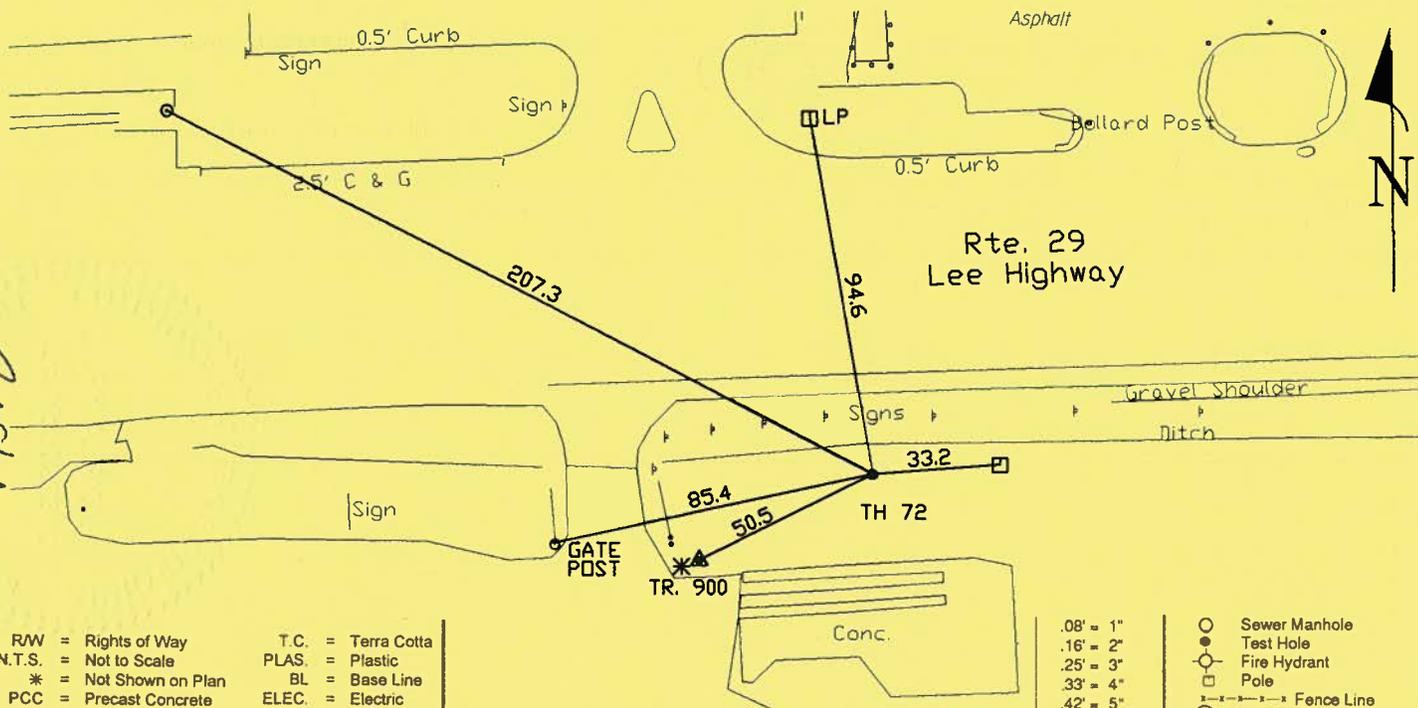
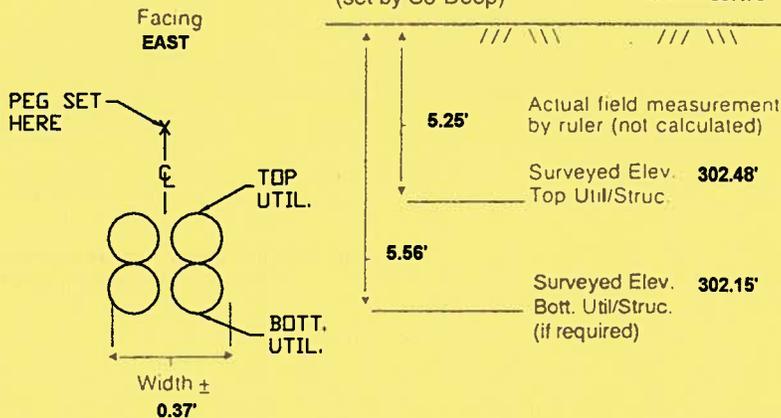
(4) 2" PLASTIC FIBERLIGHT CONDUITS (FO)

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

Remarks: **NONE**

Existing Grade of **GRASS R/W**

Survey Mark **PEG**
(set by So-Deep) Elev. **307.70'**



Handwritten: G.A. Stoll 10/18/11

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

- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊠ = Fence Line
- ⊕ = Electric Manhole
- ⊖ = T.S. = Traverse Station
- ⊗ = Valve
- ⊘ = Water Meter
- ⊙ = Telephone Manhole
- ⊠ = Telephone Pedestal

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD186**
Test Hole # **73**
Plan Scale **1"=25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **OCTOBER 14, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **RTE. 29 W OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)**
Foreman/Truck#/Form By **R.T. DAVIS / 224 / M. RUPERT**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **307.72'**
is **GIVEN**

Description: **(TRAV #900) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 440± W OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **311.04'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM C.B. MH RIM N SIDE OF RTE
29, @ END OF SIDEWALK NEAR MOBIL STATION**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **HARD BROWN**

Truck Location **ASPHALT SHOULDER**

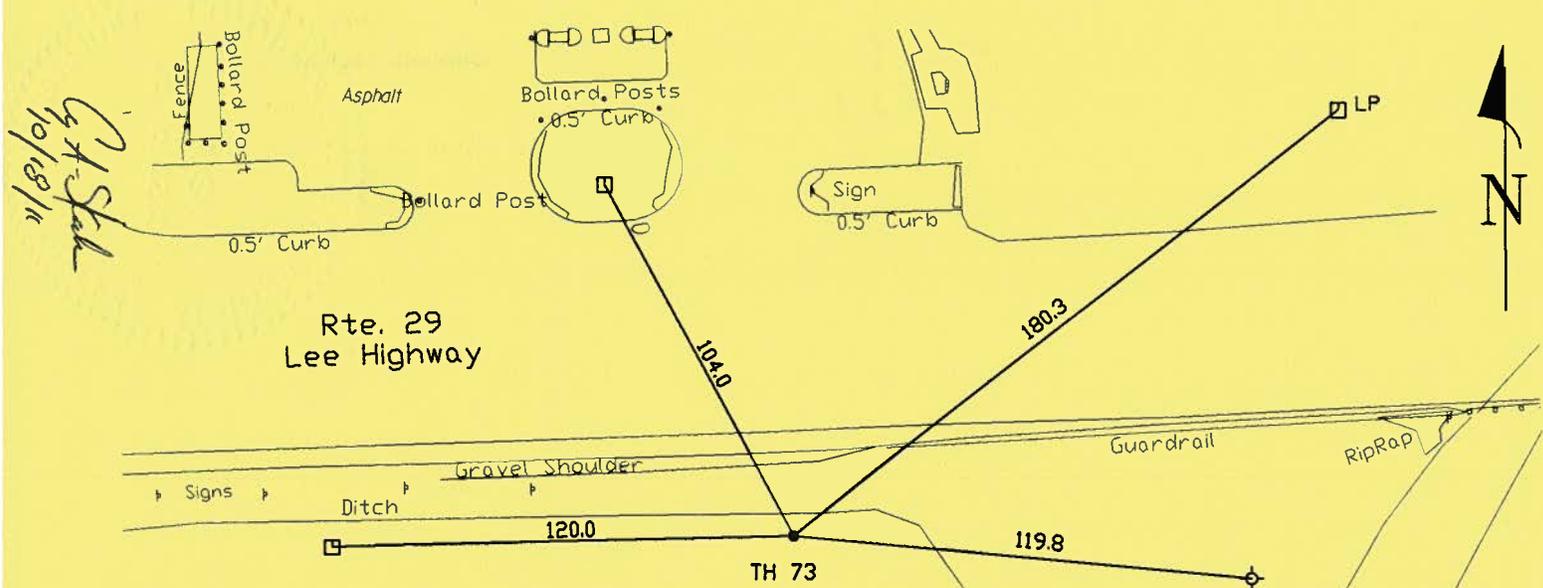
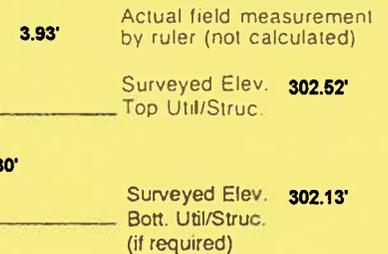
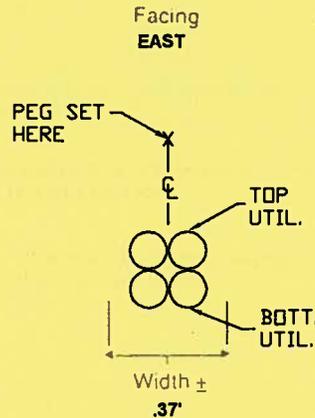
T.H. tied to **PEG**

(4) 2" PLAS TELE CONDUITS (FO FIBERLIGHT)
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: **NONE**

Existing Grade of **GRASS RW**

Survey Mark **PEG**
(set by So-Deep) Elev. **306.45'**



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

- .08' = 1"
- .16' = 2"
- .25' = 3"
- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- with cross = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- ⊕ with T.S. = T.S. = Traverse Station
- ⊕ with V = Valve
- ⊕ with W = Water Meter
- ⊕ with T = Telephone Manhole
- ⊕ with P = Telephone Pedestal

Performing out-of-sight work...with vision!™
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The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Condition of paving prior to work
NO PAVING

Control # **VCLD186**
Test Hole # **74**
Plan Scale **1"=25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 29, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **S. SIDE RTE 29, 280'± E. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)**
Foreman/Truck#/Form By **R, LUCKS / 224 / M. RUPERT**

B.M. 1 Elev. = **309.02'**
is **GIVEN**

Description: **(TRAV #905) CAP & REBAR FOUND S SIDE RTE 29, 40'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) CAP & REBAR FOUND SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN.**

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.

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

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 **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **HARD BROWN**

Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

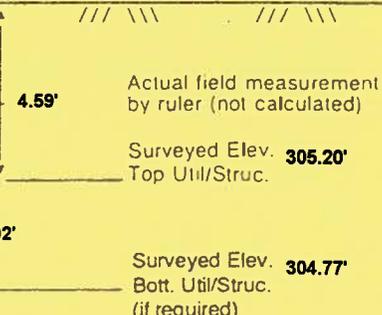
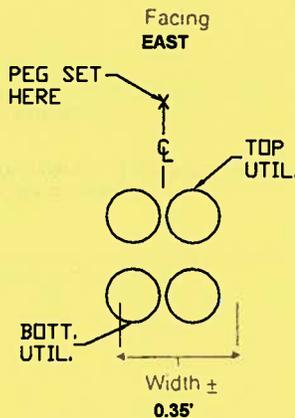
(4) 2" PLASTIC FIBERLIGHT CONDUITS (FO)

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

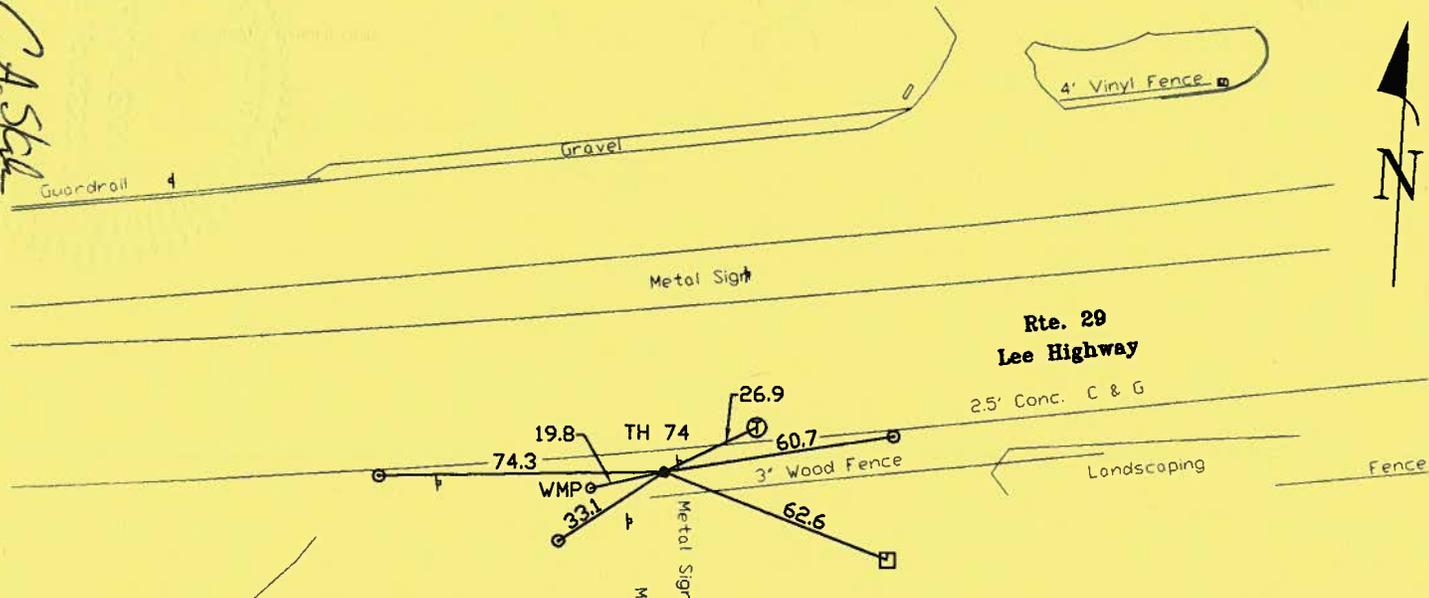
Remarks: **NONE**

Existing Grade of **GRASS R/W**

Survey Mark **PEG**
(set by So-Deep) Elev. **309.78'**



*C.A. Spill
10/18/11*



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

- .08' = 1"
- .16' = 2"
- .25' = 3"
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- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- ⊕ = Fence Line
- ⊗ = Electric Manhole
- ⊘ = T.S. = Traverse Station
- ⊙ = Valve
- ⊗ = Water Meter
- ⊙ = Telephone Manhole
- = Telephone Pedestal

Performing 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 responsible only for information shown on our forms.



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **S. SIDE RTE 29, 685'± E. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)**
Foreman/Truck#/Form By **R, LUCKS / 224 / M. RUPERT**

Condition of paving prior to work
NO PAVING

Control # **VCLD186**
Test Hole # **75**
Plan Scale **1"=25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 29, 2011**

B.M. 1 Elev. = **309.02'**
is **GIVEN**

Description: **(TRAV #905) CAP & REBAR FOUND S SIDE RTE 29, 40'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) CAP & REBAR FOUND SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN.**

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.

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

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 **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **MOIST BROWN**

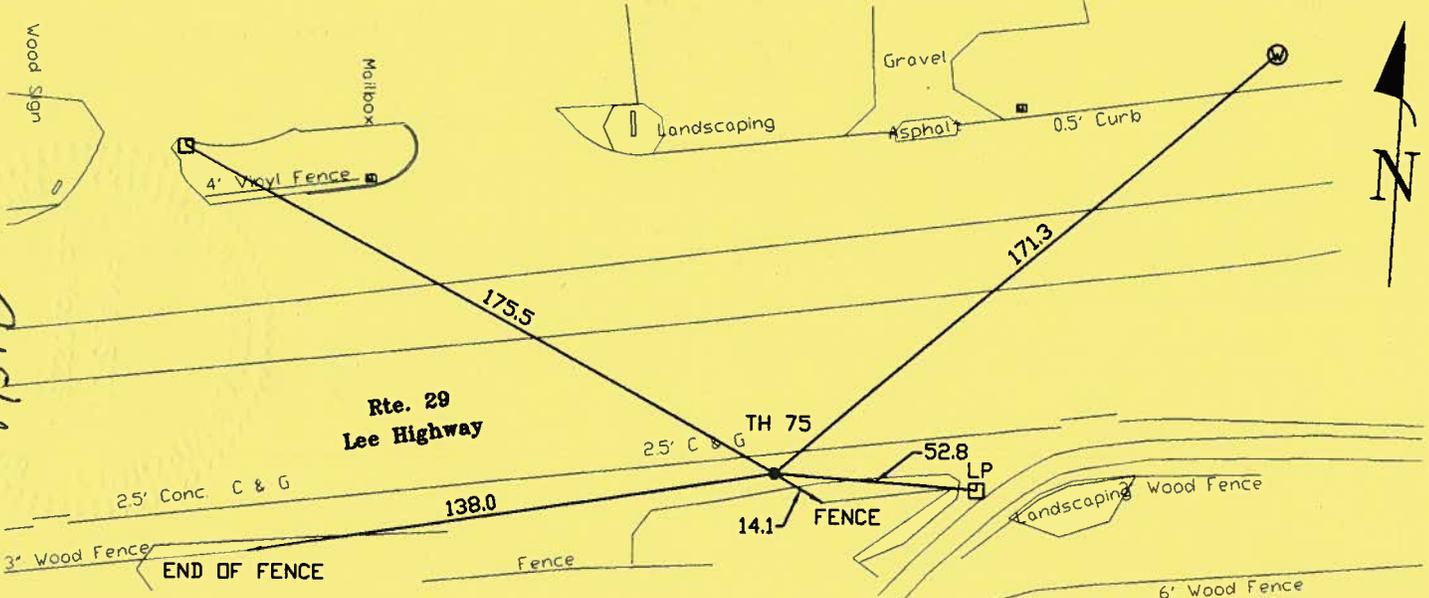
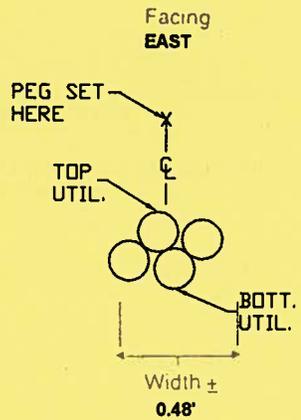
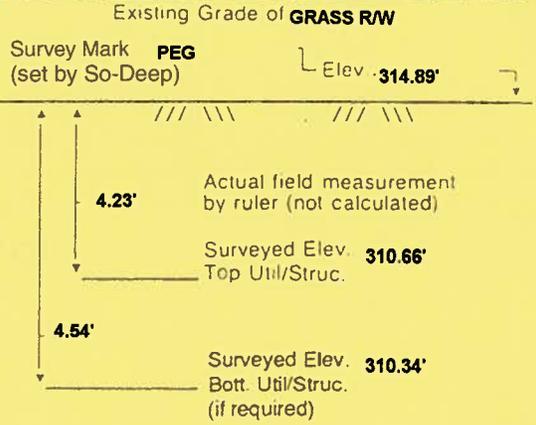
Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

(4) 2" PLASTIC FIBERLIGHT CONDUITS (FO)

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

Remarks: **NONE**



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

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- .16' = 2"
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- .33' = 4"
- .42' = 5"
- .50' = 6"
- .58' = 7"
- .67' = 8"
- .75' = 9"
- .83' = 10"
- .92' = 11"
- = Sewer Manhole
- = Test Hole
- ⊙ = Fire Hydrant
- = Pole
- = Fence Line
- ⊕ = Electric Manhole
- △ = T.S. = Traverse Station
- ⊗ = Valve
- ⊙ = Water Meter
- ⊕ = Telephone Manhole
- ⊞ = Telephone Pedestal

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The Subsurface Utility Engineering Company

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

Test Hole Certification Form
Utility Quality Level A Data

ASCE C/1 38-02

Condition of paving prior to work
ASP. TRAIL IN GOOD CONDITION

Control # VCLD186
Test Hole # 76
Plan Scale 1"=25'
Sheet # 3 OF 3
Proposed GRADE CHANGE
Date OCTOBER 5, 2011

City, County, State FAIRFAX COUNTY, VA
Gen. Loc. S. SIDE RTE 29, 685± E. OF LITTLE ROCKY RUN
Recorded Size/Material/Type (4) 1 1/2" HDPE FIBERLIGHT CONDUITS (FO)
Foreman/Truck#/Form By T. BARRETT / 223 / M. RUPERT

B.M. 1 Elev. = 309.02'
is GIVEN

Description: (TRAV #905) CAP & REBAR FOUND S SIDE RTE
29, 40± E OF LITTLE ROCKY RUN

B.M. 2 Elev. = 309.76'
is GIVEN

Description: (TRAV #904) CAP & REBAR FOUND SOUTH SIDE
RTE 29, 335± E OF LITTLE ROCKY RUN.

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.

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 4" ASPHALT

Color of ribbon installed ORANGE / RED

Soil Type MOIST BROWN

Truck Location ASPHALT SHOULDER

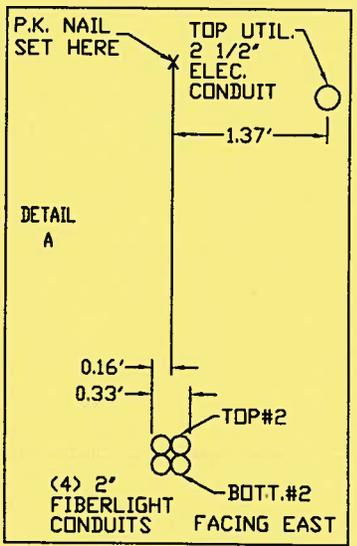
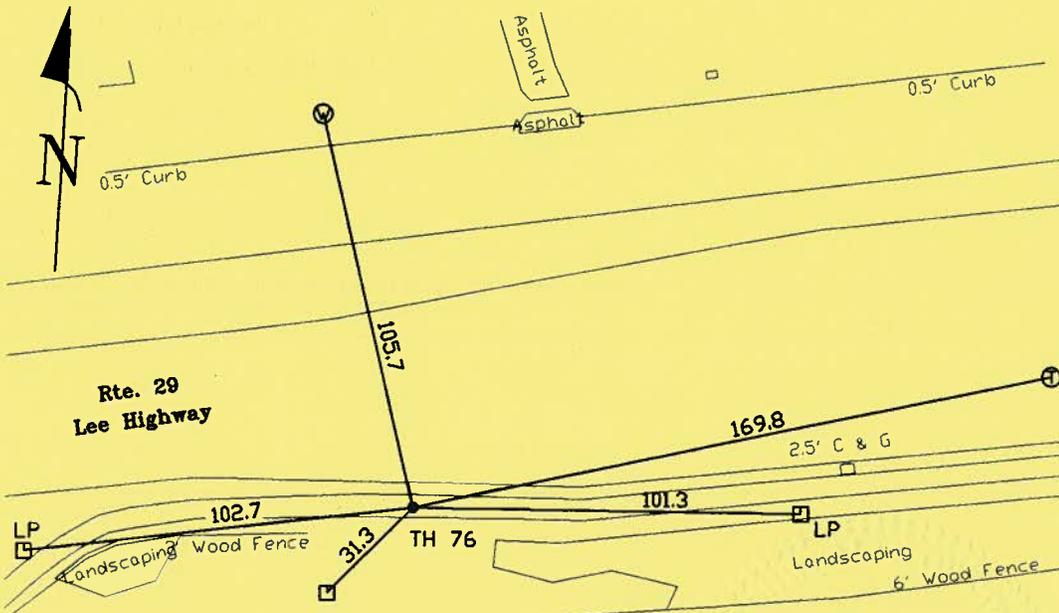
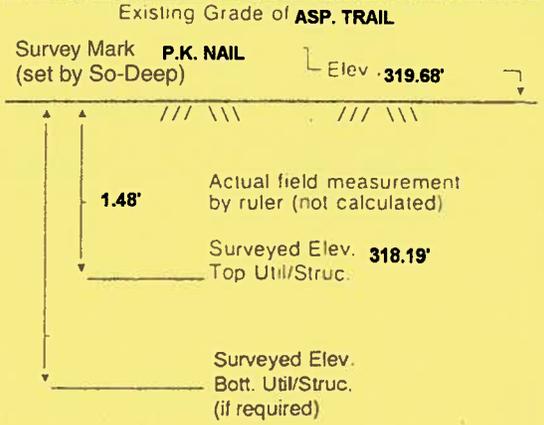
T.H. tied to P.K. NAIL

(4) 2" PLASTIC FIBERLIGHT CONDUITS (FO) *

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

Remarks: * CREW ALSO FOUND A 2 1/2" PLASTIC ELECTRIC CONDUIT
RUNNING ABOVE AND PARALLEL TO FIBERLIGHT DUCT.

Table with 2 columns: TOP#2, BOTT#2 and 2 rows: ELEV., ACTUAL



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

Handwritten signature and date: C. St. John 10/18/11

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- List of symbols: .08' = 1", .16' = 2", .25' = 3", .33' = 4", .42' = 5", .50' = 6", .58' = 7", .67' = 8", .75' = 9", .83' = 10", .92' = 11", Sewer Manhole, Test Hole, Fire Hydrant, Pole, Fence Line, Electric Manhole, T.S. = Traverse Station, Valve, Water Meter, Telephone Manhole, Telephone Pedestal



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

Control # **VCLD186**
Test Hole # **77**
Plan Scale **1"=25'**
Sheet # **2 OF 3**
Proposed **GRADE CHANGE**
Date **SEPTEMBER 30, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **EBL RTE 29, 505'± E. OF LITTLE ROCKY RUN**
Recorded Size/Material/Type **(2) 9-WAY PRECAST CEMENT VERIZON DUCTS (FO)**
Foreman/Truck#/Form By **R. LUCKS / 224 / M. RUPERT**

Condition of paving prior to work
ASP. RDWY IN GOOD CONDITION

B.M. 1 Elev. = **309.02'**
is **GIVEN**

Description: **(TRAV #905) CAP & REBAR FOUND S SIDE RTE 29, 40'± E OF LITTLE ROCKY RUN**

B.M. 2 Elev. = **309.76'**
is **GIVEN**

Description: **(TRAV #904) CAP & REBAR FOUND SOUTH SIDE RTE 29, 335'± E OF LITTLE ROCKY RUN.**

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.

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

The utility **WAS** in good condition

Paving Thickness and type **8" ASPHALT**

Color of ribbon installed **ORANGE**

Soil Type **HARD BROWN**

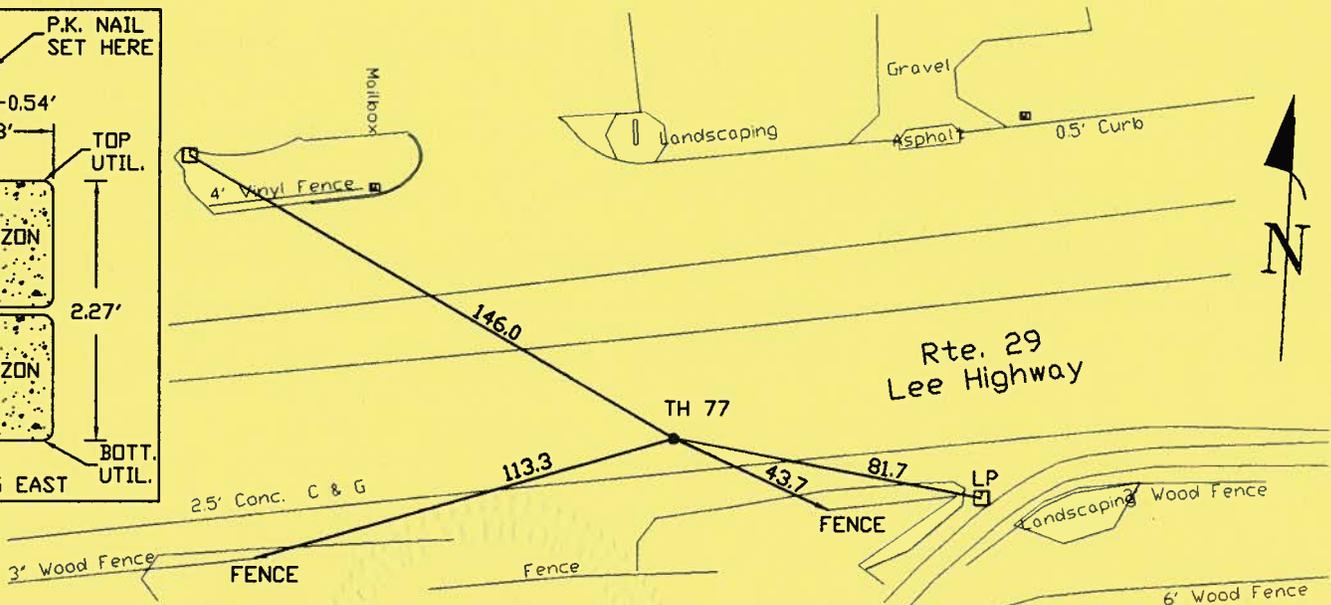
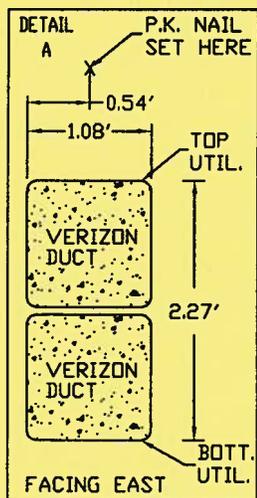
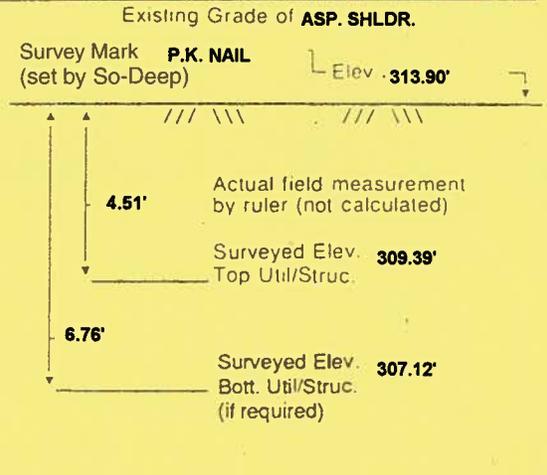
Truck Location **ASPHALT SHOULDER**

T.H. tied to **P.K. NAIL**

(2) 1.08' W. PRECAST CEMENT VERIZON DUCTS (FO)

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

Remarks: **NONE**



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

C.A. Stahl
10/18/11

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- | | |
|------------|-----------------------------|
| .08' = 1" | ○ = Sewer Manhole |
| .16' = 2" | ● = Test Hole |
| .25' = 3" | ⊙ = Fire Hydrant |
| .33' = 4" | □ = Pole |
| .42' = 5" | — — — = Fence Line |
| .50' = 6" | ⊕ = Electric Manhole |
| .58' = 7" | ⊕ = T.S. = Traverse Station |
| .67' = 8" | ⊕ = Valve |
| .75' = 9" | ⊕ = Water Meter |
| .83' = 10" | ⊕ = Telephone Manhole |
| .92' = 11" | ⊕ = Telephone Pedestal |



The Subsurface Utility Engineering Company

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

Condition of paving prior to work
NO PAVING

Control # **VCLD186**
Test Hole # **78**
Plan Scale **1"=25'**
Sheet # **3 OF 3**
Proposed **GRADE CHANGE**
Date **OCTOBER 5, 2011**

City, County, State **FAIRFAX COUNTY, VA**
Gen. Loc. **N. SIDE RTE 29, WEST OF UNION MILL**
Recorded Size/Material/Type **UNK. SIZE & TYPE VERIZON DUCT (FO)**
Foreman/Truck#/Form By **Z. TISON / 223 / M. RUPERT**

B.M. 1 Elev. = **328.00'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 29'± RT OF SURVEY CL STA 45+06±, RTE. 29**

B.M. 2 Elev. = **316.97'**
is **GIVEN**

Description: **CHIS "X" SET IN RIM OF D.I. MH, 69'± RT OF SURVEY CL STA 39+32±, RTE. 29**

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.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS NOT** in good condition **SEE REMARKS**

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

Soil Type **MOIST BROWN**

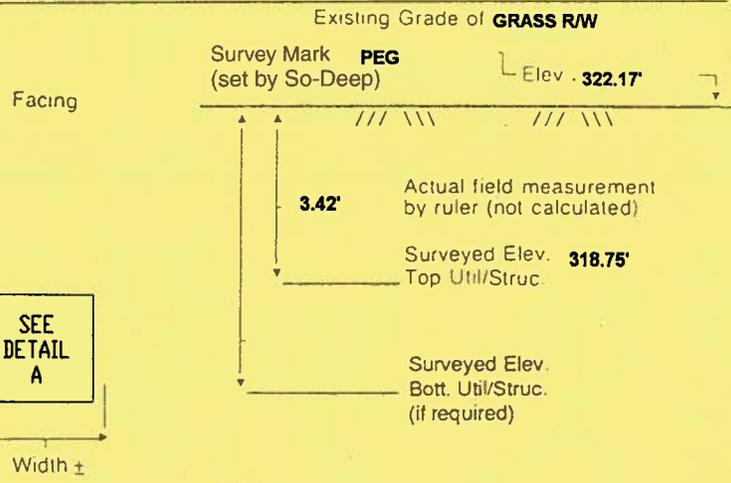
Truck Location **ASPHALT SHOULDER**

T.H. tied to **PEG**

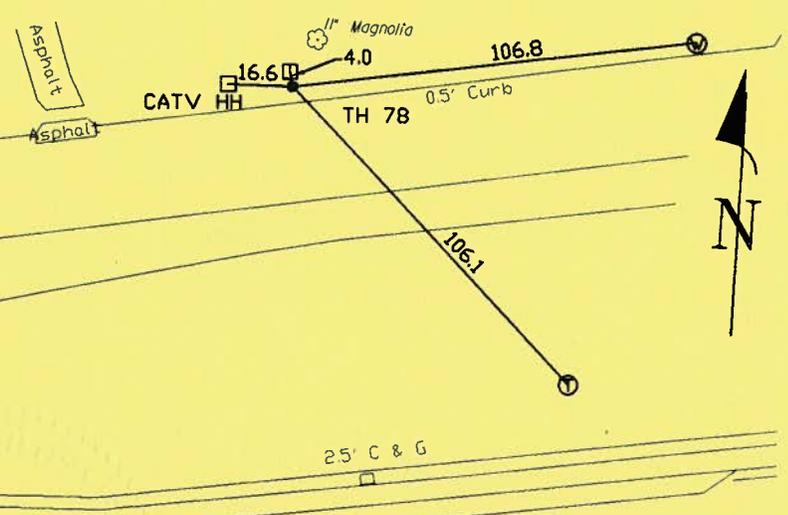
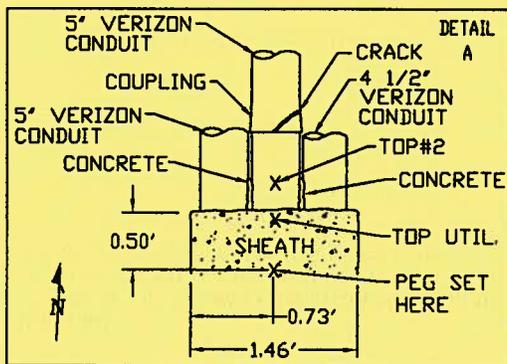
(3) VZN CONDUITS WITH CONC. SHEATH

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

Remarks: *** CREW FOUND (1) 4 1/2" PLASTIC AND (2) 5" FIBER PAPER VERIZON CONDUITS BENEATH THE END OF A CONCRETE SHEATH. SEE DETAIL "A". THE MIDDLE VERIZON CONDUIT HAD A CRACK AT THE JOINT**



	TOP#2
ELEV.	318.62
ACTUAL	3.54



Rte. 29
Lee Highway

- | | |
|---------------------------|--------------------|
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| COND. = Conduit | TELE. = Telephone |
| CONC. = Concrete | T.H. = Test Hole |
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Cy A Steh
10/18/11
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- | | |
|---------------------|---------------------------|
| Landscaping 8' = 1" | ○ = Sewer Manhole |
| 6' Wood Fence 2" | ● = Test Hole |
| | ⊙ = Fire Hydrant |
| | □ = Pole |
| | --- = Fence Line |
| | ⊕ = Electric Manhole |
| | = T.S. = Traverse Station |
| | △ = Valve |
| | ⊗ = Water Meter |
| | ⊙ = Telephone Manhole |
| | □ = Telephone Pedestal |