



2641 Sumner Blvd., Ste. 116
 Raleigh, NC 27616
 Ofc: (919)878-7466
www.sodeep.com

LETTER OF TRANSMITTAL

DATE	10/11/2019	JOB NO.	1318045443
ATTENTION	Rick Handlin		
RE:	BR-0082		
	Structure No. 420056 over Upper Little River on NC 27		
	Harnett County		
	TIP# BR-0082		

TO NCDOT Highway Division 6

558 Gillespie St.

Fayetteville, NC 28301

From: **Tommy Taylor**
 Email: ttaylor@sodeep.com

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings
 Prints
 Plans
 Samples
 Specifications
 Copy of letters
 Change order

COPIES	DATE	NO.	DESCRIPTION
1 ea.	10/11/19	1	Certification Letter
1 ea.	10/11/19	13	Test Hole Certification Forms
1 ea.	10/11/19	13	Vacuum Excavation Reports
1 ea.	10/11/19	1	Test Hole Coordinate List
1 ea.	10/11/19	1	Certification Map

THESE ARE TRANSMITTED as checked below:

- For approval
 Approved as submitted
 Resubmit ___ copies for approval
 For your use
 Approved as noted
 Submit ___ copies for distribution
 As requested
 Returned for corrections
 Return ___ corrected prints
 For review and comment

 FOR BIDS DUE _____ 20 _____
 PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

b5709_ls_sue_170210.dgn

b5709_ls_sue_170210.doc

b5709_ls_sue_170210.txt

SIGNED:  _____

DATED: 10.11.19

October 11, 2019

Rick Handlin
NCDOT Highway Division 6
Division Utility Engineer
558 Gillespie St.
Fayetteville, NC 28301

RE: BR-0082
Structure No. 420056 over Upper Little River on NC 27
Harnett County
Subsurface Utility Engineering

Dear Rick,

The following items are noted for your information during the conduct of our underground investigations:

1. SUE Quality Level A utility surveys were performed in the field and to survey control furnished to So-Deep | SAM NC by VHB.
2. Test holes #6 and #8 were cancelled due to excessive depth and no electronic signal. Extensive work would be required to expose the utility in these locations.
3. Test hole #7 was dug down to a depth of 15.94' when the crew encountered solid rock. The crew was able to get a strong signal on the FSS line at the bottom of the test hole and believe the FSS line is below the solid rock.
4. Deliverables are one MicroStation V8i utility reference file with Level A depictions, certification letter and appropriate forms required.

I, Thomas A. Taylor, PLS, a Professional Land Surveyor registered in the State of North Carolina, hereby certify that to the best of my knowledge and belief, the following SUE work items (Quality Level A field investigations) were performed under my supervision between the dates of September 30, 2019 & October 11, 2019 on the referenced project and are in accordance with the contract and specifications with NCDOT dated December 3, 2018 and with accepted Surveying practices and procedures. Witness my hand and seal on this 11th day of October, 2019.

Sincerely,



Thomas A. Taylor, PLS
SUE Department Manager

SO-DEEP | SAM NC™

2800-154 Sumner Boulevard
Raleigh, NC 27616
(919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **1**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 1, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; W SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **8" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'**
is **GIVEN**

Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**

B.M. 2 Elev. = **184.72'**
is **GIVEN**

Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**

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 **BLUE**

Soil Type **BROWN SAND**

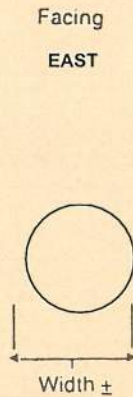
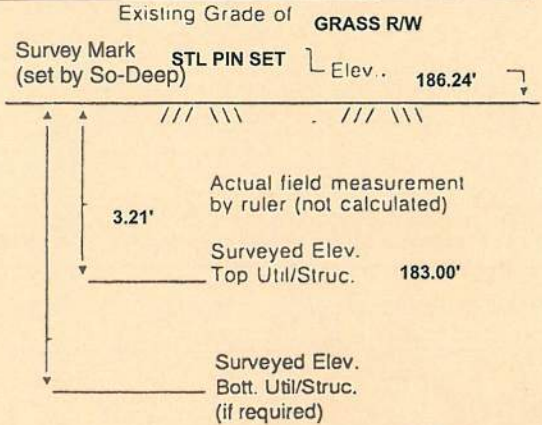
Truck Location **ASPHALT ROADWAY**

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

8 1/2" PLASTIC (BLUE) WATER
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

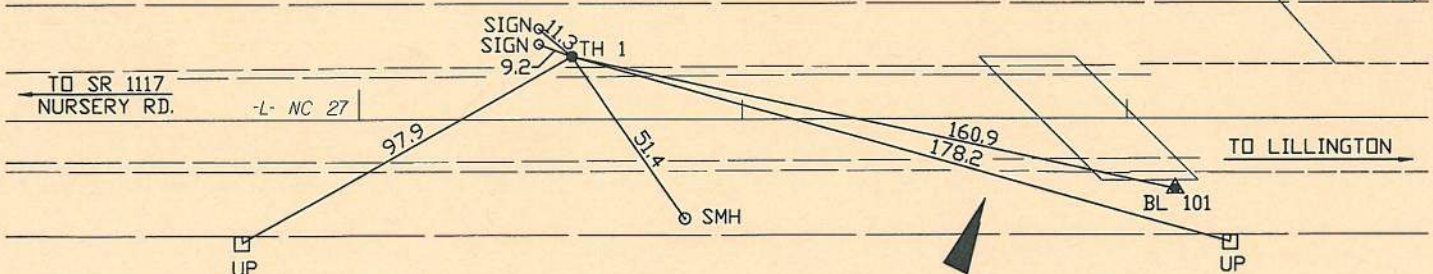
FULL

Remarks:



TH WAS DUG 16.3'± LT OF -L- STA. 15+55.3±, NC 27
N 578742.0
E 2014187.7

(SUPPLIED BY NCDOT)



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

BR-0082

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 |

SO-DEEP | SAM NC™

2800-154 Sumner Boulevard
Raleigh, NC 27616
(919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **2**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 1, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; W SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **20" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 **RED/BROWN CLAY**

Truck Location **ASPHALT ROADWAY**

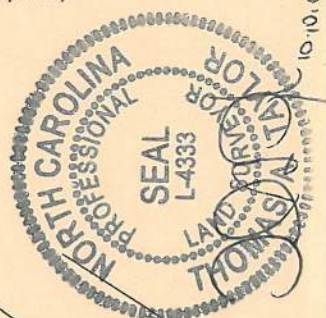
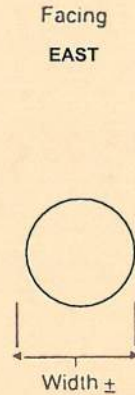
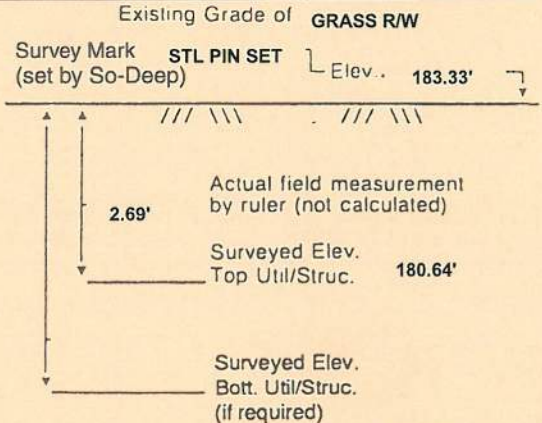
T.H. tied to **STL PIN SET**

20" D.I.P WATER
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

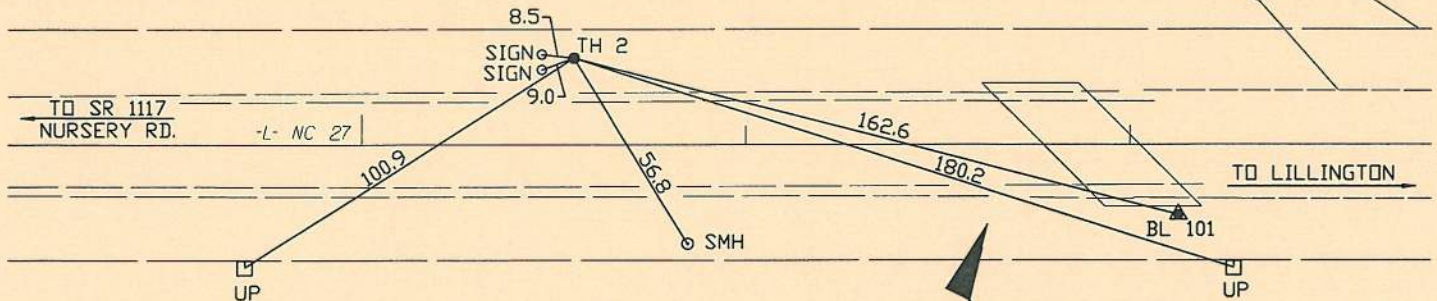
FULL

Remarks:

TH WAS DUG 22.6'± LT OF -L- STA. 15+55.1±, NC 27
N 578748.0
E 2014186.0



(SUPPLIED BY NCDOT)



BR-0082

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

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

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # 45443
Test Hole # 3
Plan Scale 1" = 50'
Sheet # 1 OF 1
Proposed GRADE CHANGE
Date OCTOBER 1, 2019

City, County, State HARNETT COUNTY, NC
Gen. Loc. N SIDE OF NC 27; W SIDE OF UPPER LITTLE RIVE
Recorded Size/Material/Type 8" D.I.P WATER
Foreman/Truck#/Form By E. BLUM / 223 / E. BLUM

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = 185.91' Description: (BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY
is GIVEN CENTERLINE 'L' STATION 17+10.00 NC 27

B.M. 2 Elev. = 184.72' Description: (BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY
is GIVEN CENTERLINE 'L' STATION 21+37.00 NC 27

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 BROWN SAND

Truck Location ASPHALT ROADWAY

T.H. tied to STL PIN SET

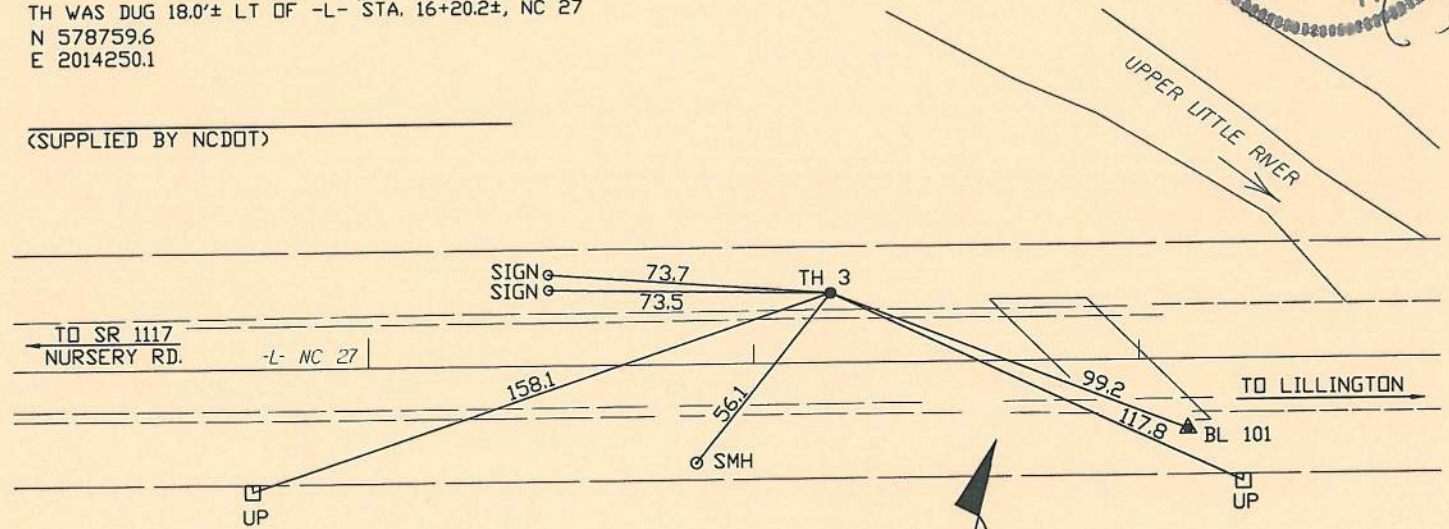
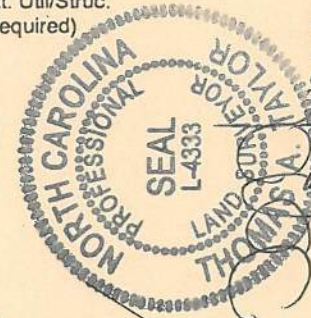
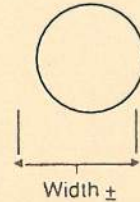
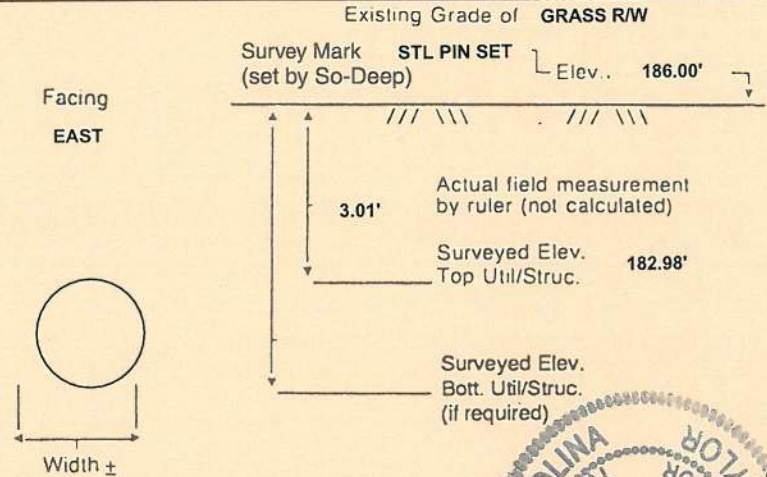
8 1/2" PLASTIC (BLUE) WATER
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

FULL

Remarks:

TH WAS DUG 18.0± LT OF -L- STA. 16+20.2±, NC 27
N 578759.6
E 2014250.1

(SUPPLIED BY NCDOT)



- | | |
|---------------------------|--------------------|
| FO = Fiber-Optic Cable | CL = Centerline |
| MTD = Multi Tile Duct | T.C. = Tera Cotta |
| R/W = Rights of Way | PLAS. = Plastic |
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| CONC. = Concrete | SW = Sidewalk |
| O.D. = Outside Diameter | DW = Driveway |
| C.I. = Cast Iron | BM = Benchmark |
| D.I. = Ductile Iron | C.B. = Catch Basin |
| RPC = Rough Pour Concrete | GV = Gas Valve |

BR-0082

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 |

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; W SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **20" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 **BROWN SAND**

Truck Location **ASPHALT ROADWAY**

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

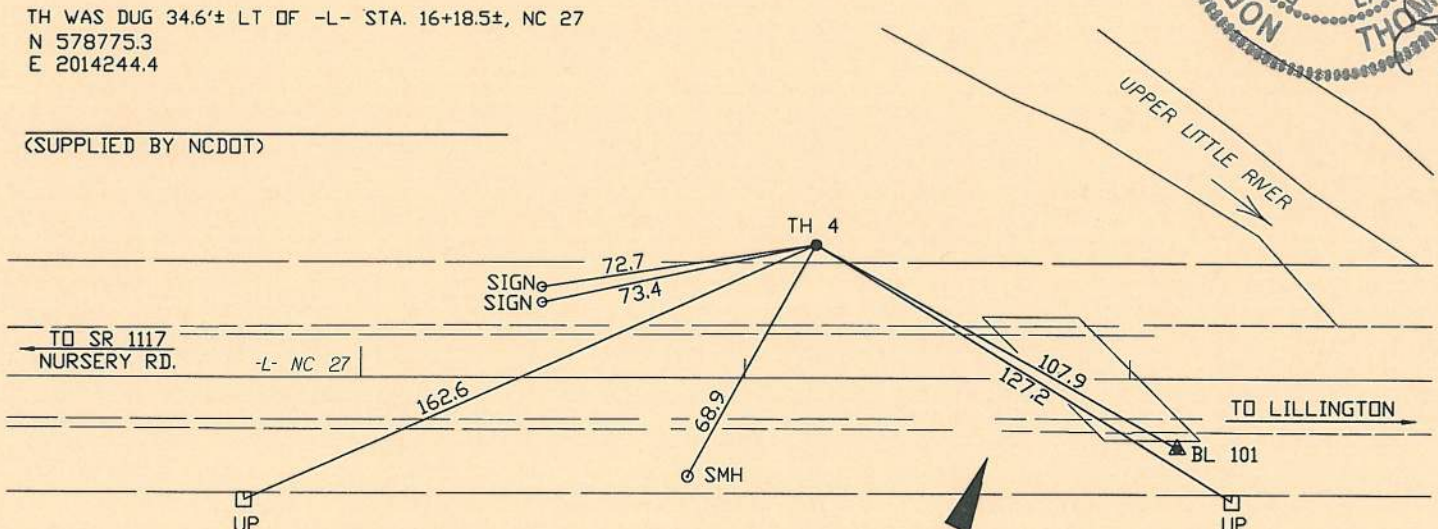
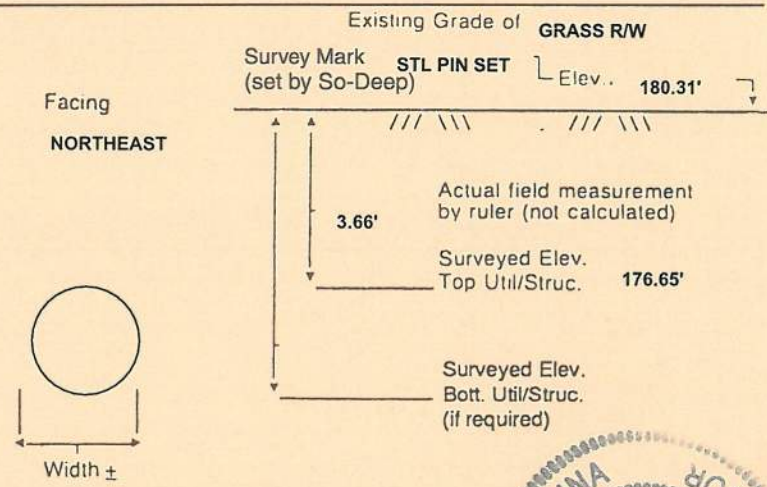
20" D.I.P WATER
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

FULL

Remarks:

TH WAS DUG 34.6'± LT OF -L- STA. 16+18.5±, NC 27
N 578775.3
E 2014244.4

(SUPPLIED BY NCDOT)



BR-0082

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

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

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- | | |
|------------|-----------------------------|
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| .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 |

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **5**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 2, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; W SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **20" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 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 SAND**

Truck Location **ASPHALT ROADWAY**

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

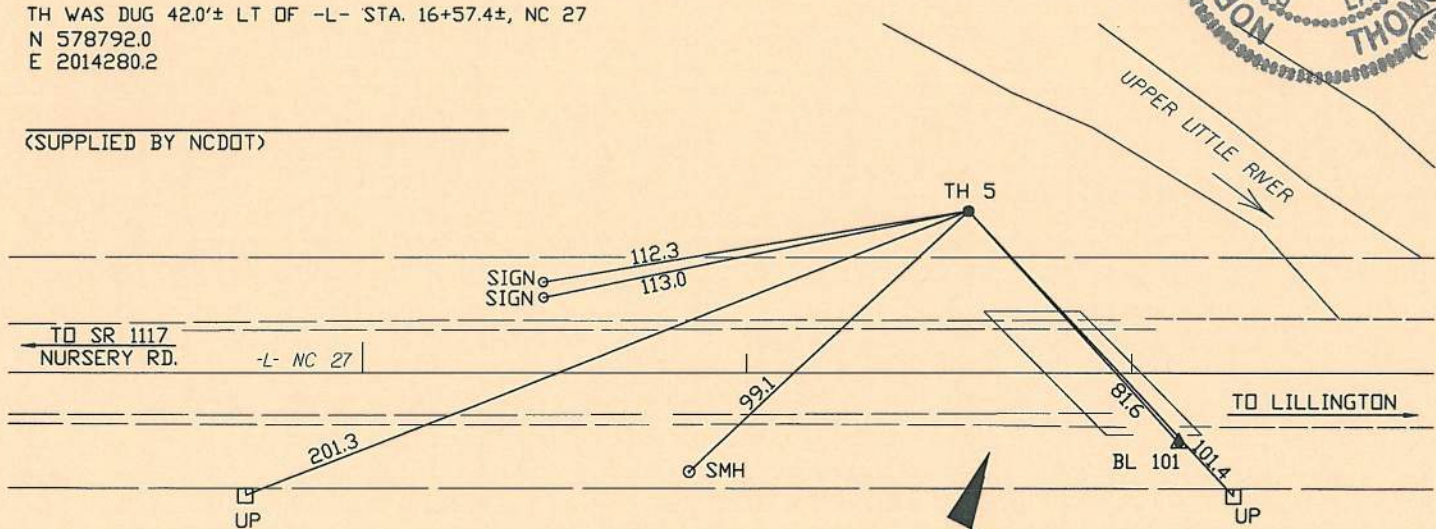
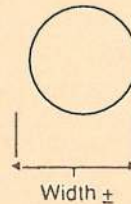
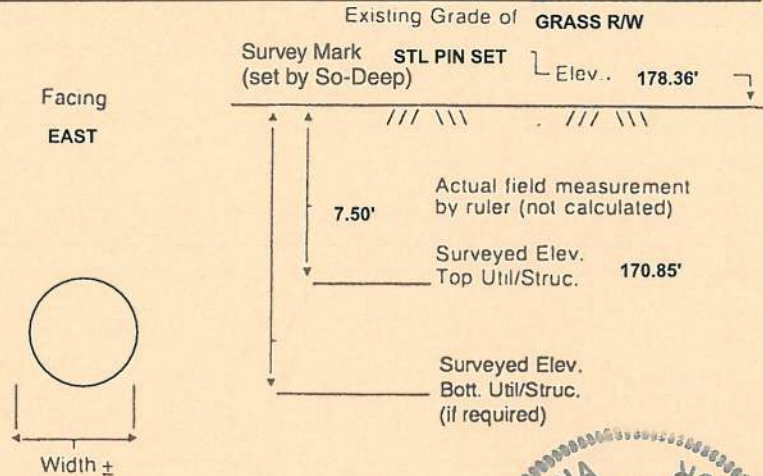
20" D.I.P WATER *
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

OTHER, (SEE REMARKS)

Remarks: * CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT DUE TO COPIOUS WATER AND UNSTABLE SOIL CONDITIONS IN THE TEST HOLE.

TH WAS DUG 42.0'± LT OF -L- STA. 16+57.4±, NC 27
N 578792.0
E 2014280.2

(SUPPLIED BY NCDOT)



BR-0082

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

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- .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

TEST HOLE #[06]

**TEST HOLE WAS CANCELLED
WATERLINE BELIEVED TO BE PRESENT AND
EXTREMELY DEEP AT THIS LOCATION**

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **7**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 4, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **S SIDE OF NC 27; W SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **6" PVC FSS**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 **NO RIBBON INSTALLED**

Soil Type **WET BROWN SAND**

Truck Location **GRASS ROW**

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

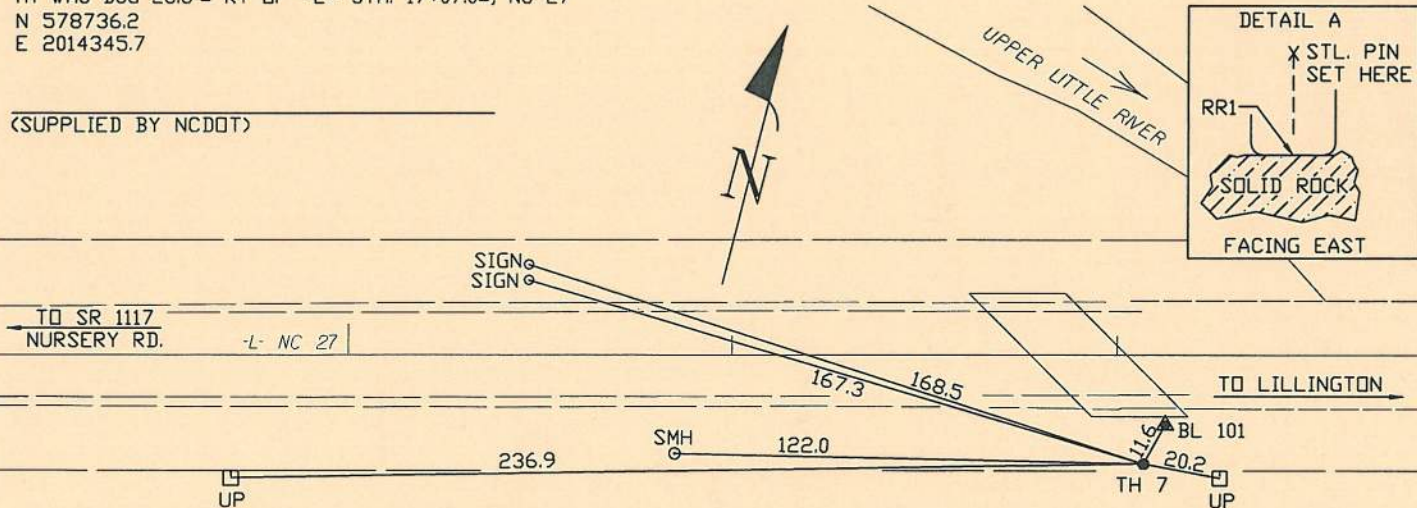
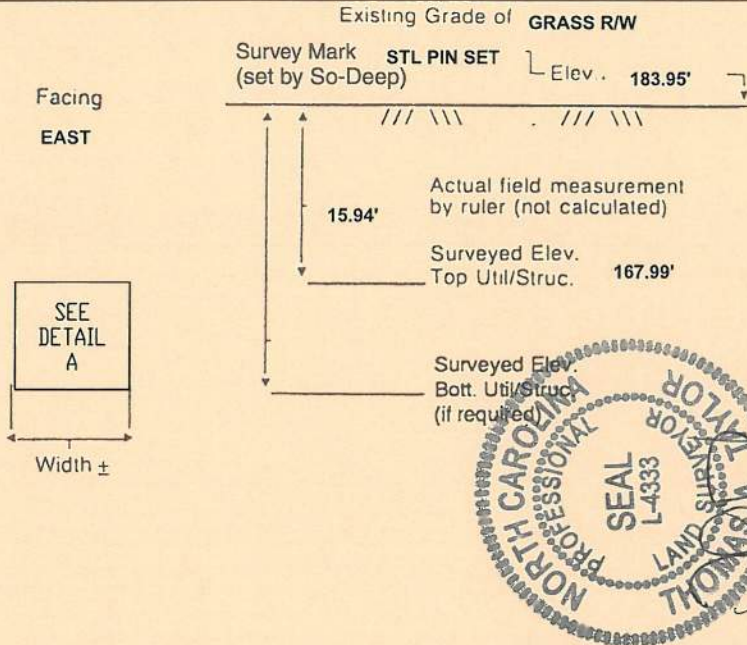
NO UTILITY FOUND *
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

OTHER, (SEE REMARKS)

Remarks: * **ROD READING TAKEN AT BOTTOM OF EXCAVATION AT CENTERLINE OF ELECTRONIC INFORMATION. CREW BELIEVES 6" PVC FSS IS UNDER SOLID ROCK AT BOTTOM OF EXCAVATION.**

TH WAS DUG **28.3'± RT DF -L- STA. 17+07.0±, NC 27**
N 578736.2
E 2014345.7

(SUPPLIED BY NCDOT)



BR-0082

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.

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

- | | |
|------------|-----------------------------|
| .08" = 1" | ○ = Sewer Manhole |
| .16" = 2" | ● = Test Hole |
| .25" = 3" | ⊙ = Fire Hydrant |
| .33" = 4" | □ = Pole |
| .42" = 5" | ---x---x--- = 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 |

TEST HOLE #[08]

TEST HOLE WAS CANCELLED

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **9**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 2, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; E SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **20" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 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 **BROWN SAND**

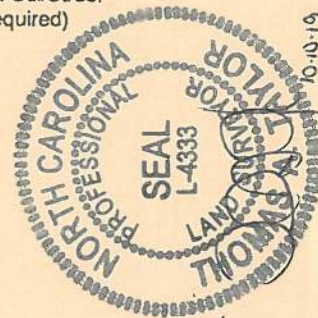
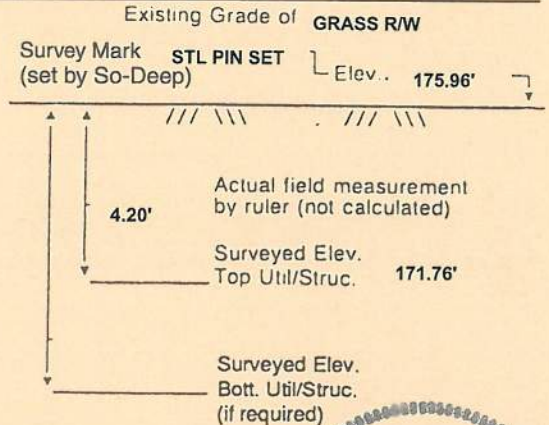
Truck Location **ASPHALT ROADWAY**

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

20" D.I.P WATER
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

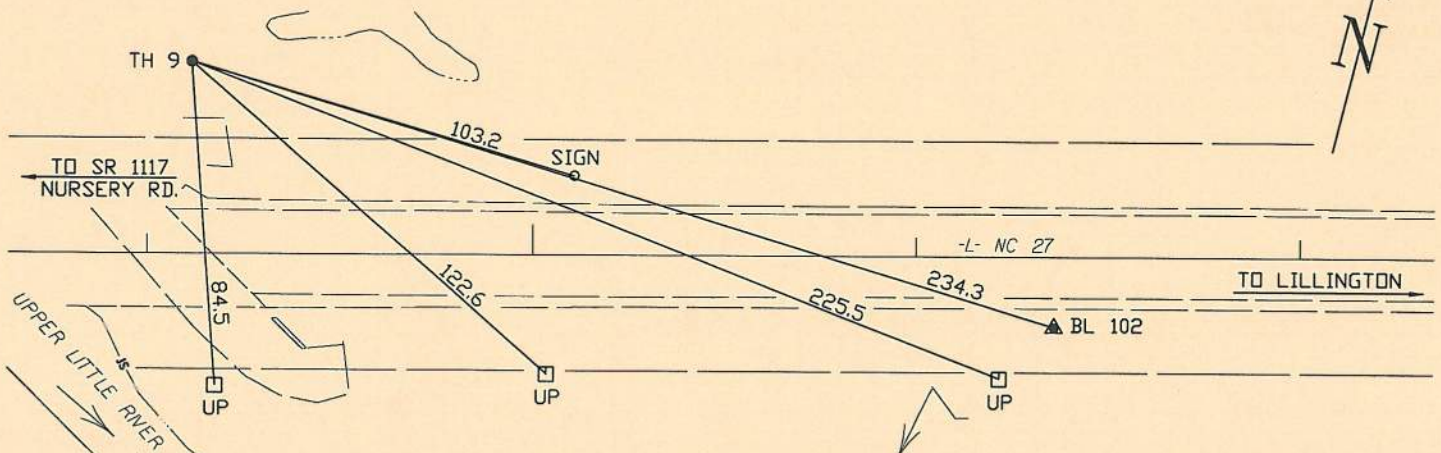
FULL

Remarks:



TH WAS DUG 50.1± LT OF -L- STA. 19+11.7±, NC 27
N 578862.7
E 2014524.6

(SUPPLIED BY NCDOT)



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

BR-0082

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 |

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **10**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 3, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **S SIDE OF NC 27; E SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **6" PVC FSS**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 BROWN SAND**

Truck Location **GRASS ROW**

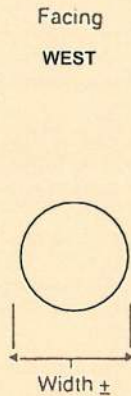
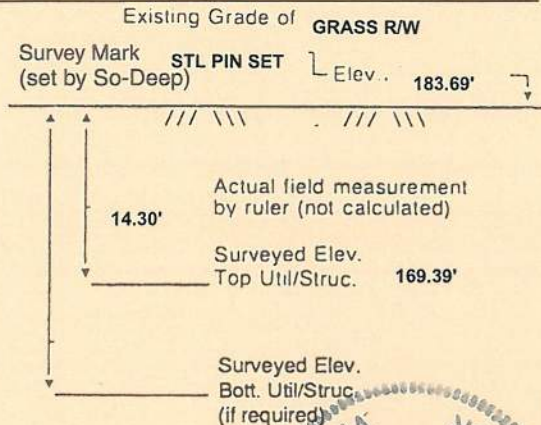
T.H. tied to **STL PIN SET**

4" PLASTIC (GREEN) FSS *
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

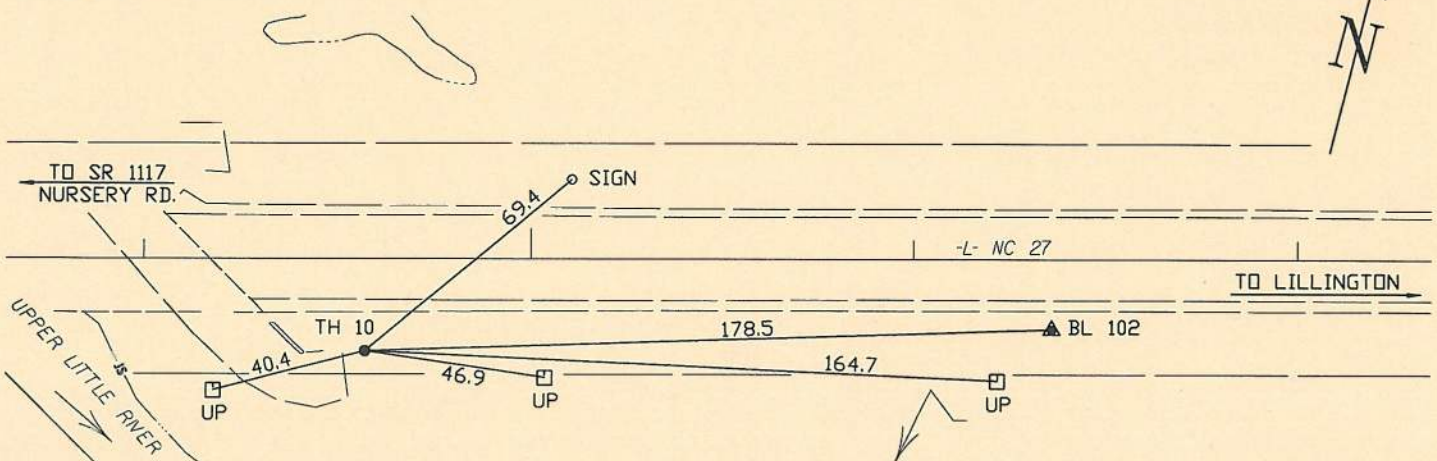
OTHER, (SEE REMARKS)

Remarks: * CREW WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT DUE TO COPIOUS WATER AND UNSTABLE SOIL CONDITIONS IN THE TEST HOLE.

TH WAS DUG 24.0'± RT OF -L- STA. 19+57.3±, NC 27
N 578802.3
E 2014587.2



(SUPPLIED BY NCDOT)



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

BR-0082

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 |

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **11**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 3, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **S SIDE OF NC 27; E SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **6" PVC FSS**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 **BROWN SAND**

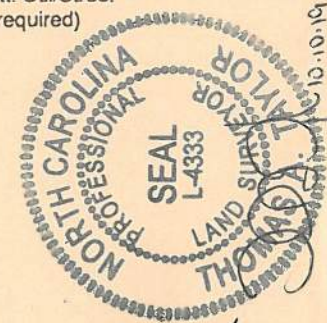
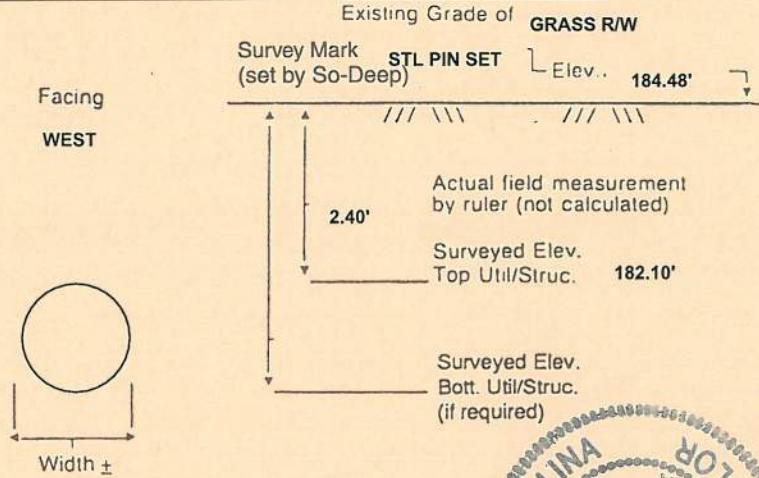
Truck Location **GRASS ROW**

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

4 1/2" PLASTIC (GREEN) FSS
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

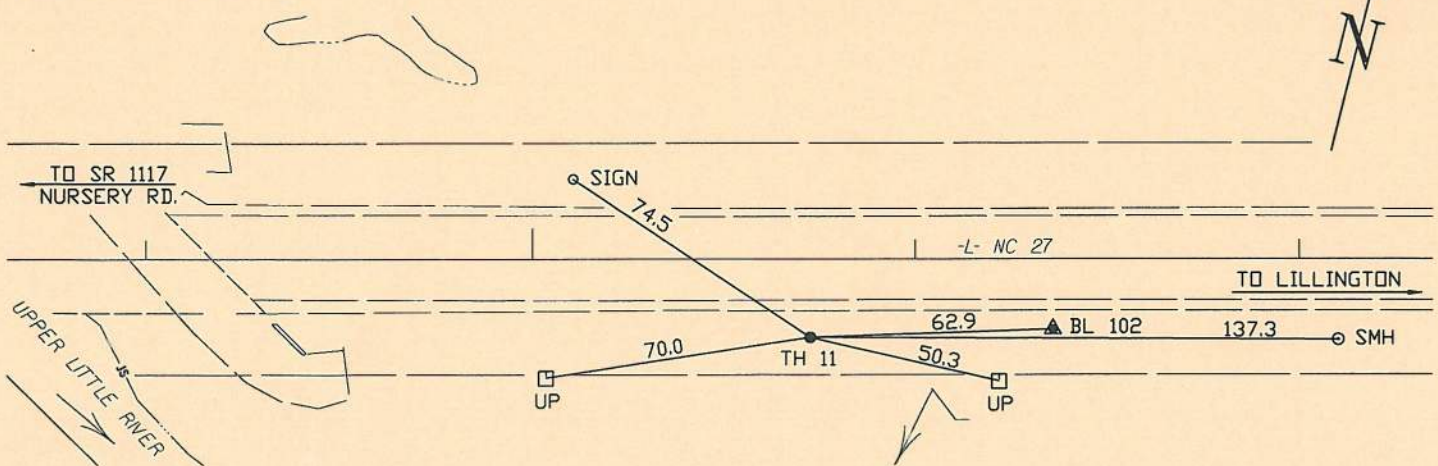
FULL

Remarks:



TH WAS DUG 20.3'± RT OF -L- STA. 20+72.9±, NC 27
N 578834.3
E 2014698.3

(SUPPLIED BY NCDOT)



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

BR-0082

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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 |

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **12**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 3, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; E SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **20" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY**
is **GIVEN** CENTERLINE 'L' STATION 17+10.00 NC 27

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY**
is **GIVEN** CENTERLINE 'L' STATION 21+37.00 NC 27

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

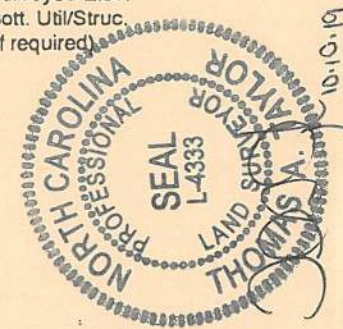
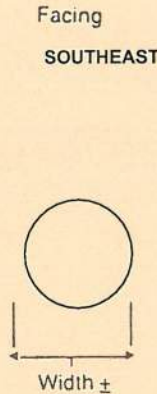
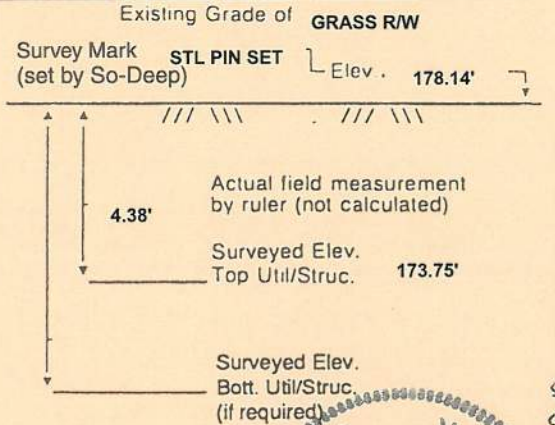
The utility **WAS** in good condition
Paving Thickness and type **NO PAVING**
Color of ribbon installed **BLUE**
Soil Type **BROWN SAND/CLAY**
Truck Location **ASPHALT ROADWAY**
T.H. tied to **STL PIN SET**

20" D.I.P WATER *
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

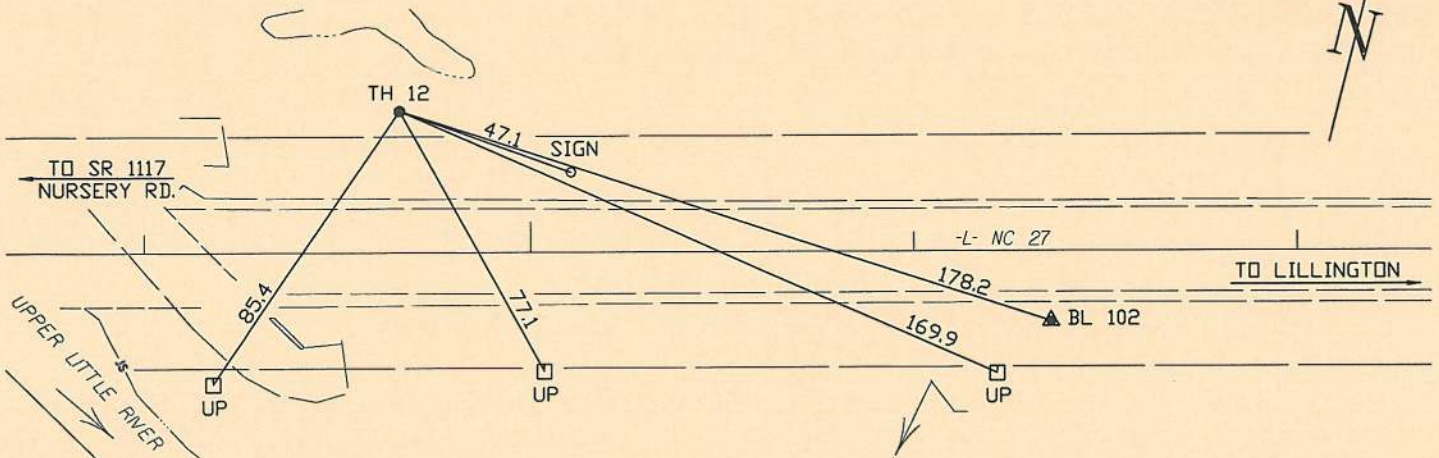
OTHER, (SEE REMARKS)

Remarks: * DUE TO ROOTS AND WOOD ALONG THE UTILITY, CREW
WAS UNABLE TO OBTAIN AN ACCURATE O.D. MEASUREMENT. CREW
DID NOT WANT TO RISK DAMAGING THE UTILITY BY REMOVING THE
ROOTS AND WOOD.

TH WAS DUG 36.5'± LT OF -L- STA. 19+66.2±, NC 27
N 578863.1
E 2014580.9



(SUPPLIED BY NCDOT)



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

BR-0082

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

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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 |

Test Hole Certification Form Utility Quality Level A Data

ASCE C/ 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # 45443
Test Hole # 13
Plan Scale 1" = 50'
Sheet # 1 OF 1
Proposed GRADE CHANGE
Date OCTOBER 3, 2019

City, County, State HARNETT COUNTY, NC
Gen. Loc. N SIDE OF NC 27; E SIDE OF UPPER LITTLE RIVE
Recorded Size/Material/Type 8" D.I.P WATER
Foreman/Truck#/Form By E. BLUM / 223 / E. BLUM

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = 185.91' Description: (BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY
is GIVEN CENTERLINE 'L' STATION 17+10.00 NC 27

B.M. 2 Elev. = 184.72' Description: (BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY
is GIVEN CENTERLINE 'L' STATION 21+37.00 NC 27

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 BROWN SAND

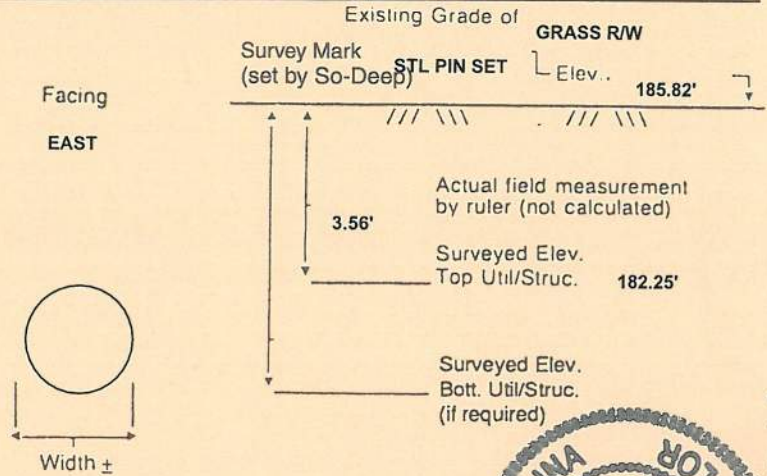
Truck Location ASPHALT ROADWAY

T.H. tied to STL PIN SET

8 1/2" PLASTIC (BLUE) WATER
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

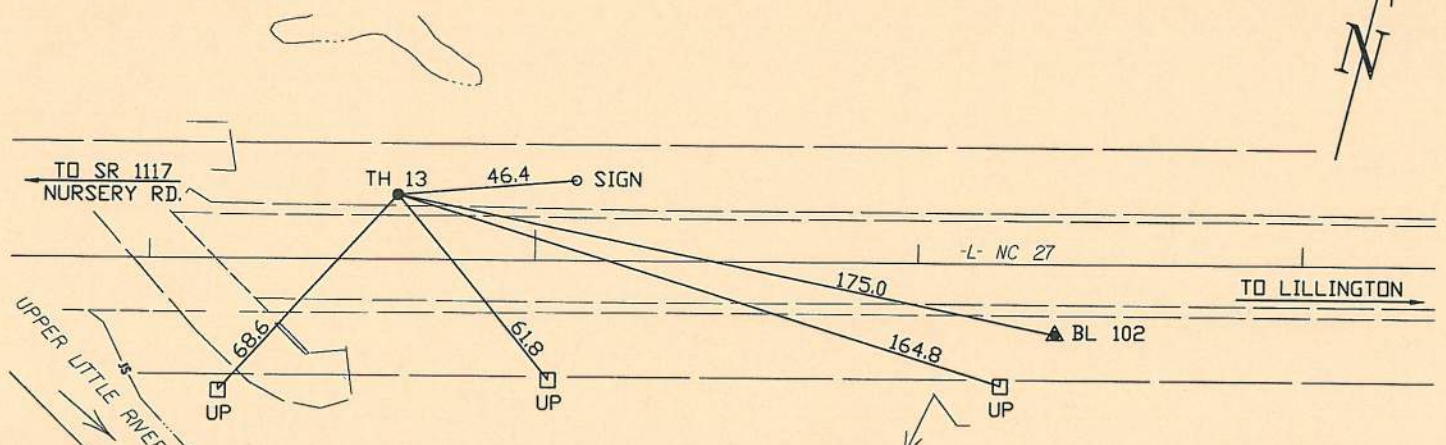
FULL

Remarks:



TH WAS DUG 16.7'± LT OF -L- STA. 19+64.3±, NC 27
N 578843.4
E 2014583.9

(SUPPLIED BY NCDOT)



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

BR-0082

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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 |

SO-DEEP | SAM NC™

2800-154 Sumner Boulevard
Raleigh, NC 27616
(919) 878-7466

Test Hole Certification Form Utility Quality Level A Data

ASCE C/1 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **14**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 3, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; E SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **20" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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 **BROWN SAND/CLAY**

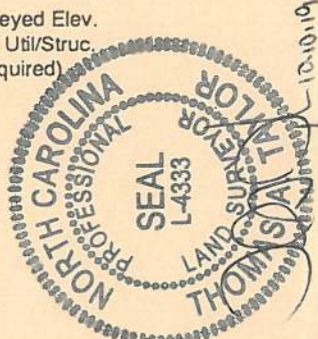
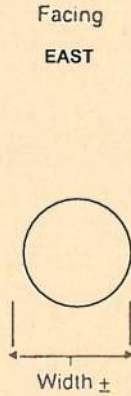
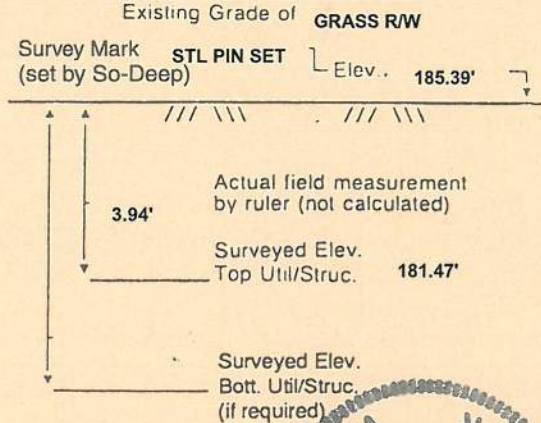
Truck Location **ASPHALT ROADWAY**

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

20" D.I.P WATER
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:

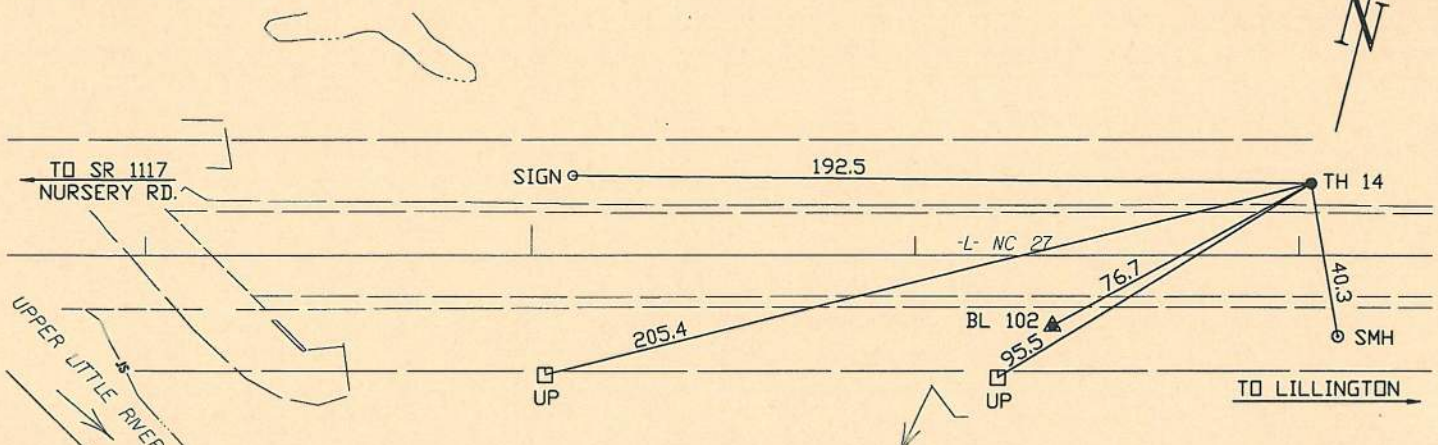
FULL

Remarks:



TH WAS DUG 18.7'± LT OF -L- STA. 22+03.0±, NC 27
N 578904.3
E 2014814.8

(SUPPLIED BY NCDOT)



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

BR-0082

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 |

Test Hole Certification Form Utility Quality Level A Data

ASCE C/I 38-02

So-Deep, Inc.
A SAM Company
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **45443**
Test Hole # **15**
Plan Scale **1" = 50'**
Sheet # **1 OF 1**
Proposed **GRADE CHANGE**
Date **OCTOBER 3, 2019**

City, County, State **HARNETT COUNTY, NC**
Gen. Loc. **N SIDE OF NC 27; E SIDE OF UPPER LITTLE RIVE**
Recorded Size/Material/Type **8" D.I.P WATER**
Foreman/Truck#/Form By **E. BLUM / 223 / E. BLUM**

Condition of paving prior to work
NO PAVING

B.M. 1 Elev. = **185.91'** Description: **(BL-101) ALUM DISC FOUND 18'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 17+10.00 NC 27**
is **GIVEN**

B.M. 2 Elev. = **184.72'** Description: **(BL-102) ALUM DISC FOUND 17'+/- RIGHT OF SURVEY CENTERLINE 'L' STATION 21+37.00 NC 27**
is **GIVEN**

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

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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 **BROWN SAND**

Truck Location **ASPHALT ROADWAY**

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

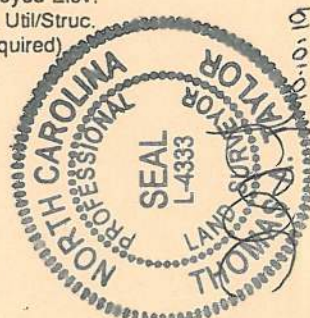
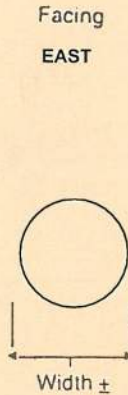
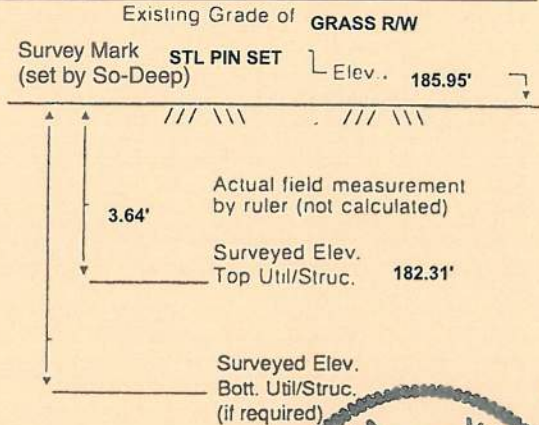
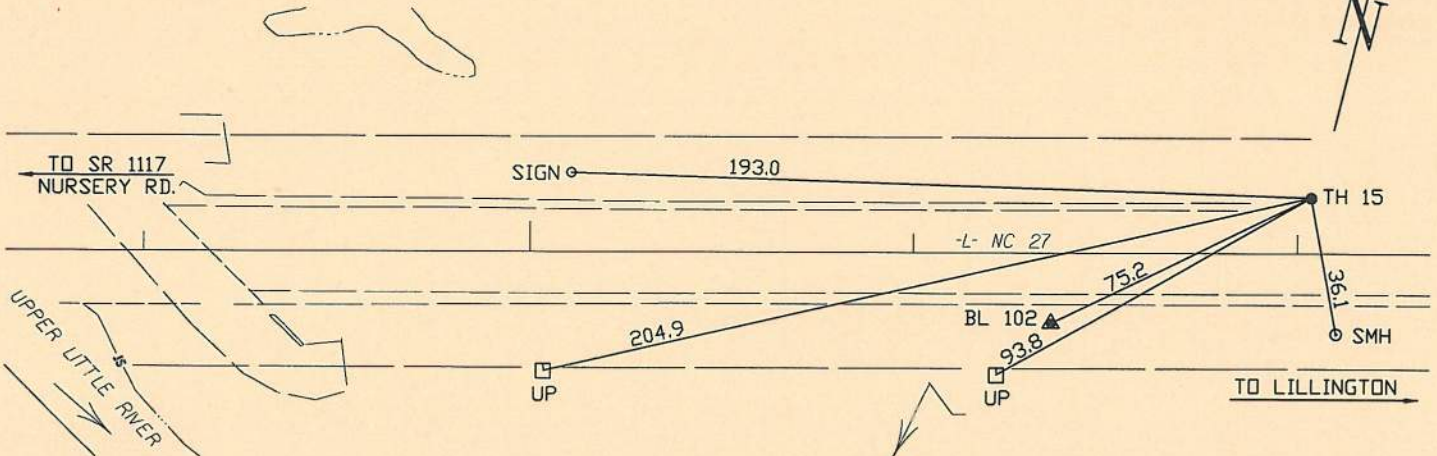
8 1/2" PLASTIC (BLUE) WATER
Size/Material/Type
Portion of pipe exposed for O.D. measurement:

FULL

Remarks:

TH WAS DUG 14.5'± LT OF -L- STA. 22+03.5±, NC 27
N 578900.3
E 2014816.3

(SUPPLIED BY NCDOT)



- | | |
|---------------------------|--------------------|
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| R/W = Rights of Way | PLAS. = Plastic |
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| C.I. = Cast Iron | BM = Benchmark |
| D.I. = Ductile Iron | C.B. = Catch Basin |
| RPC = Rough Pour Concrete | GV = Gas Valve |

BR-0082

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| .67" = 8" | ⊕ | Valve |
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