

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: January 20, 2016
Date of Addendum: January 13, 2016

| B.O. | Proposal ID | Proposal Work Type | County | Project Number | Addendum |
|-------------|--------------------|-----------------------------------|---------------|------------------------|-----------------|
| 108 | 57-1187-771 | PCC PAVEMENT - GRADE & REPLACE | LINN | STP-A-1187(771)--86-57 | 20JAN108.A02 |

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Add Proposal Line No. 0891 2502-8221303 SUBDRAIN OUTLET, DR-303; 12.000 EACH

If the above changes are not made, they will be made as shown here.

Make the following changes to the plans:

Replace plan sheets C.07 & U.03 with the attached.

STORM SEWER

| NO. | LOCATION, STATION AND OFFSET | TYPE OF STANDARD ROAD PLAN | FORM GRADE (NORTH) | INVERT (EAST) | INVERT (WEST) | EXTENSION LENGTH** | NOTES | LINE NUMBER | NTAKE UTILITY ACCESS NO. | CLASS "D" | PIPE SIZE | BD* LENGTH | DESIGN LENGTH | SLOPE % | FLOW LINES | | | DRAINABLE BACKFILL** | NOTES |
|----------|------------------------------|----------------------------|--------------------|---------------|---------------|--------------------|------------------------------|-------------|--------------------------|-----------|-----------|------------|---------------|---------|----------------|----------------|---------------|------------------------------|-------|
| | | | | | | | | | | | | | | | INVERT (NORTH) | INVERT (SOUTH) | INVERT (EAST) | | |
| 1 | 1+44.34'-21.30' | SW-509 | 784.05 | 774.80 | 774.80 | 1.00 | Connect to existing 24" line | P-1 | 3 | 1 | 15 | 176.6 | 168.6 | 5.57% | 784.79 | 775.40 | 409 | | |
| 2 | 1+44.34'-21.30' | SW-509 | 784.05 | 774.80 | 774.80 | 1.00 | Connect to existing 24" line | P-1 | 3 | 1 | 15 | 176.6 | 168.6 | 5.57% | 784.79 | 775.40 | 409 | | |
| 3 | 3+41.17'-20.49' | SW-509 | 784.05 | 784.90 | 784.90 | 1.00 | Connect to existing 24" line | P-5 | 5 | EX INT 1 | 18 | 224.8 | 216.9 | 3.82% | 784.90 | 772.00 | 519 | Connect to existing intake | |
| 4 | 3+41.17'-20.49' | SW-509 | 784.05 | 784.90 | 784.90 | 1.00 | Connect to existing 24" line | P-5 | 5 | EX INT 1 | 18 | 224.8 | 216.9 | 3.82% | 784.90 | 772.00 | 519 | Connect to existing intake | |
| 5 | 15+40.52'-20.50' | SW-509 | 784.05 | 780.69 | 780.69 | 1.00 | Connect to existing 24" line | P-4 | 6 | 5 | 15 | 269.3 | 261.3 | 6.37% | 787.34 | 780.69 | 654 | | |
| 6 | 15+40.52'-20.50' | SW-509 | 784.05 | 780.69 | 780.69 | 1.00 | Connect to existing 24" line | P-4 | 6 | 5 | 15 | 269.3 | 261.3 | 6.37% | 787.34 | 780.69 | 654 | | |
| 7 | 15+40.52'-20.50' | SW-509 | 784.05 | 781.10 | 781.10 | 1.00 | Connect to existing 24" line | P-6 | 7 | 7 | 15 | 41.0 | 38.0 | 1.00% | 787.34 | 781.10 | 93 | | |
| 8 | 15+40.52'-20.50' | SW-509 | 784.05 | 781.10 | 781.10 | 1.00 | Connect to existing 24" line | P-6 | 7 | 7 | 15 | 41.0 | 38.0 | 1.00% | 787.34 | 781.10 | 93 | | |
| 9 | 18+12.86'-20.50' | SW-509 | 801.88 | 797.94 | 797.94 | 1.00 | Connect to existing 12" line | P-5 | 10 | 9 | 15 | 67.1 | 60.1 | 1.03% | 807.15 | 797.94 | 143 | | |
| 10 | 22+40.02'-20.00' | SW-511 | 812.89 | 807.30 | 807.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 807.15 | 88 | Connect to existing 12" pipe | |
| 11 | 22+40.02'-20.00' | SW-509 | 812.87 | 808.54 | 808.54 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 808.54 | 88 | Connect to existing 12" pipe | |
| 12 | 22+35.93'-20.50' | SW-509 | 780.07 | 772.30 | 772.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 772.30 | 88 | Connect to existing 12" pipe | |
| EX INT 1 | 13+18.81'-19.53' | SW-509 | 780.07 | 772.30 | 772.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 772.30 | 88 | Connect to existing 12" pipe | |

STRUCTURES

| NO. | LOCATION, STATION AND OFFSET | TYPE OF STANDARD ROAD PLAN | FORM GRADE (NORTH) | INVERT (EAST) | INVERT (WEST) | EXTENSION LENGTH** | NOTES | LINE NUMBER | NTAKE UTILITY ACCESS NO. | CLASS "D" | PIPE SIZE | BD* LENGTH | DESIGN LENGTH | SLOPE % | FLOW LINES | | | DRAINABLE BACKFILL** | NOTES |
|----------|------------------------------|----------------------------|--------------------|---------------|---------------|--------------------|------------------------------|-------------|--------------------------|-----------|-----------|------------|---------------|---------|----------------|----------------|---------------|------------------------------|-------|
| | | | | | | | | | | | | | | | INVERT (NORTH) | INVERT (SOUTH) | INVERT (EAST) | | |
| 1 | 1+44.34'-21.30' | SW-509 | 784.05 | 774.80 | 774.80 | 1.00 | Connect to existing 24" line | P-1 | 3 | 1 | 15 | 176.6 | 168.6 | 5.57% | 784.79 | 775.40 | 409 | | |
| 2 | 1+44.34'-21.30' | SW-509 | 784.05 | 774.80 | 774.80 | 1.00 | Connect to existing 24" line | P-1 | 3 | 1 | 15 | 176.6 | 168.6 | 5.57% | 784.79 | 775.40 | 409 | | |
| 3 | 3+41.17'-20.49' | SW-509 | 784.05 | 784.90 | 784.90 | 1.00 | Connect to existing 24" line | P-5 | 5 | EX INT 1 | 18 | 224.8 | 216.9 | 3.82% | 784.90 | 772.00 | 519 | Connect to existing intake | |
| 4 | 3+41.17'-20.49' | SW-509 | 784.05 | 784.90 | 784.90 | 1.00 | Connect to existing 24" line | P-5 | 5 | EX INT 1 | 18 | 224.8 | 216.9 | 3.82% | 784.90 | 772.00 | 519 | Connect to existing intake | |
| 5 | 15+40.52'-20.50' | SW-509 | 784.05 | 780.69 | 780.69 | 1.00 | Connect to existing 24" line | P-4 | 6 | 5 | 15 | 269.3 | 261.3 | 6.37% | 787.34 | 780.69 | 654 | | |
| 6 | 15+40.52'-20.50' | SW-509 | 784.05 | 780.69 | 780.69 | 1.00 | Connect to existing 24" line | P-4 | 6 | 5 | 15 | 269.3 | 261.3 | 6.37% | 787.34 | 780.69 | 654 | | |
| 7 | 15+40.52'-20.50' | SW-509 | 784.05 | 781.10 | 781.10 | 1.00 | Connect to existing 24" line | P-6 | 7 | 7 | 15 | 41.0 | 38.0 | 1.00% | 787.34 | 781.10 | 93 | | |
| 8 | 15+40.52'-20.50' | SW-509 | 784.05 | 781.10 | 781.10 | 1.00 | Connect to existing 24" line | P-6 | 7 | 7 | 15 | 41.0 | 38.0 | 1.00% | 787.34 | 781.10 | 93 | | |
| 9 | 18+12.86'-20.50' | SW-509 | 801.88 | 797.94 | 797.94 | 1.00 | Connect to existing 12" line | P-5 | 10 | 9 | 15 | 67.1 | 60.1 | 1.03% | 807.15 | 797.94 | 143 | | |
| 10 | 22+40.02'-20.00' | SW-511 | 812.89 | 807.30 | 807.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 807.15 | 88 | Connect to existing 12" pipe | |
| 11 | 22+40.02'-20.50' | SW-509 | 812.87 | 808.54 | 808.54 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 808.54 | 88 | Connect to existing 12" pipe | |
| 12 | 22+35.93'-20.50' | SW-509 | 780.07 | 772.30 | 772.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 772.30 | 88 | Connect to existing 12" pipe | |
| EX INT 1 | 13+18.81'-19.53' | SW-509 | 780.07 | 772.30 | 772.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 772.30 | 88 | Connect to existing 12" pipe | |

PIPES

| NO. | LOCATION, STATION AND OFFSET | TYPE OF STANDARD ROAD PLAN | FORM GRADE (NORTH) | INVERT (EAST) | INVERT (WEST) | EXTENSION LENGTH** | NOTES | LINE NUMBER | NTAKE UTILITY ACCESS NO. | CLASS "D" | PIPE SIZE | BD* LENGTH | DESIGN LENGTH | SLOPE % | FLOW LINES | | | DRAINABLE BACKFILL** | NOTES |
|----------|------------------------------|----------------------------|--------------------|---------------|---------------|--------------------|------------------------------|-------------|--------------------------|-----------|-----------|------------|---------------|---------|----------------|----------------|---------------|------------------------------|-------|
| | | | | | | | | | | | | | | | INVERT (NORTH) | INVERT (SOUTH) | INVERT (EAST) | | |
| 1 | 1+44.34'-21.30' | SW-509 | 784.05 | 774.80 | 774.80 | 1.00 | Connect to existing 24" line | P-1 | 3 | 1 | 15 | 176.6 | 168.6 | 5.57% | 784.79 | 775.40 | 409 | | |
| 2 | 1+44.34'-21.30' | SW-509 | 784.05 | 774.80 | 774.80 | 1.00 | Connect to existing 24" line | P-1 | 3 | 1 | 15 | 176.6 | 168.6 | 5.57% | 784.79 | 775.40 | 409 | | |
| 3 | 3+41.17'-20.49' | SW-509 | 784.05 | 784.90 | 784.90 | 1.00 | Connect to existing 24" line | P-5 | 5 | EX INT 1 | 18 | 224.8 | 216.9 | 3.82% | 784.90 | 772.00 | 519 | Connect to existing intake | |
| 4 | 3+41.17'-20.49' | SW-509 | 784.05 | 784.90 | 784.90 | 1.00 | Connect to existing 24" line | P-5 | 5 | EX INT 1 | 18 | 224.8 | 216.9 | 3.82% | 784.90 | 772.00 | 519 | Connect to existing intake | |
| 5 | 15+40.52'-20.50' | SW-509 | 784.05 | 780.69 | 780.69 | 1.00 | Connect to existing 24" line | P-4 | 6 | 5 | 15 | 269.3 | 261.3 | 6.37% | 787.34 | 780.69 | 654 | | |
| 6 | 15+40.52'-20.50' | SW-509 | 784.05 | 780.69 | 780.69 | 1.00 | Connect to existing 24" line | P-4 | 6 | 5 | 15 | 269.3 | 261.3 | 6.37% | 787.34 | 780.69 | 654 | | |
| 7 | 15+40.52'-20.50' | SW-509 | 784.05 | 781.10 | 781.10 | 1.00 | Connect to existing 24" line | P-6 | 7 | 7 | 15 | 41.0 | 38.0 | 1.00% | 787.34 | 781.10 | 93 | | |
| 8 | 15+40.52'-20.50' | SW-509 | 784.05 | 781.10 | 781.10 | 1.00 | Connect to existing 24" line | P-6 | 7 | 7 | 15 | 41.0 | 38.0 | 1.00% | 787.34 | 781.10 | 93 | | |
| 9 | 18+12.86'-20.50' | SW-509 | 801.88 | 797.94 | 797.94 | 1.00 | Connect to existing 12" line | P-5 | 10 | 9 | 15 | 67.1 | 60.1 | 1.03% | 807.15 | 797.94 | 143 | | |
| 10 | 22+40.02'-20.00' | SW-511 | 812.89 | 807.30 | 807.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 807.15 | 88 | Connect to existing 12" pipe | |
| 11 | 22+40.02'-20.50' | SW-509 | 812.87 | 808.54 | 808.54 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 808.54 | 88 | Connect to existing 12" pipe | |
| 12 | 22+35.93'-20.50' | SW-509 | 780.07 | 772.30 | 772.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 772.30 | 88 | Connect to existing 12" pipe | |
| EX INT 1 | 13+18.81'-19.53' | SW-509 | 780.07 | 772.30 | 772.30 | 1.00 | Connect to existing 12" line | P-9 | 16 | 9 | 12 | 38.0 | 35 | 4.74% | 807.15 | 772.30 | 88 | Connect to existing 12" pipe | |

TABULATION OF SILT FENCES

| LOCATION | END STATION | SIDE | LENGTH | REMARKS |
|--------------|-------------|------|--------|-------------|
| 14+27.69 | 15+73.73 | L | 151 | |
| 15+57.26 | 15+94.31 | L | 63 | |
| 15+57.26 | 16+29.26 | R | 79 | |
| 16+29.26 | 16+44.13 | R | 41 | |
| 16+44.13 | 16+66.97 | L | 30 | |
| 17+13.07 | 17+57.38 | R | 51 | |
| 17+57.38 | 18+34.38 | L | 74 | |
| 18+34.38 | 18+57.38 | R | 54 | |
| 18+57.38 | 18+73.76 | R | 54 | |
| 18+73.76 | 19+84.12 | L | 146 | |
| 19+84.12 | 19+84.12 | R | 90 | |
| 19+84.12 | 20+24.11 | R | 57 | |
| 20+24.11 | 20+24.11 | R | 57 | |
| 20+24.11 | 20+74.77 | L | 108 | |
| 20+74.77 | 21+17.85 | R | 100 | |
| 21+17.85 | 21+17.85 | R | 100 | |
| 21+17.85 | 21+64.80 | L | 94 | |
| 21+64.80 | 22+48.80 | R | 151 | |
| 22+48.80 | 22+48.80 | R | 151 | |
| 22+48.80 | 22+63.71 | L | 106 | |
| TOTAL | | | | 1873 |

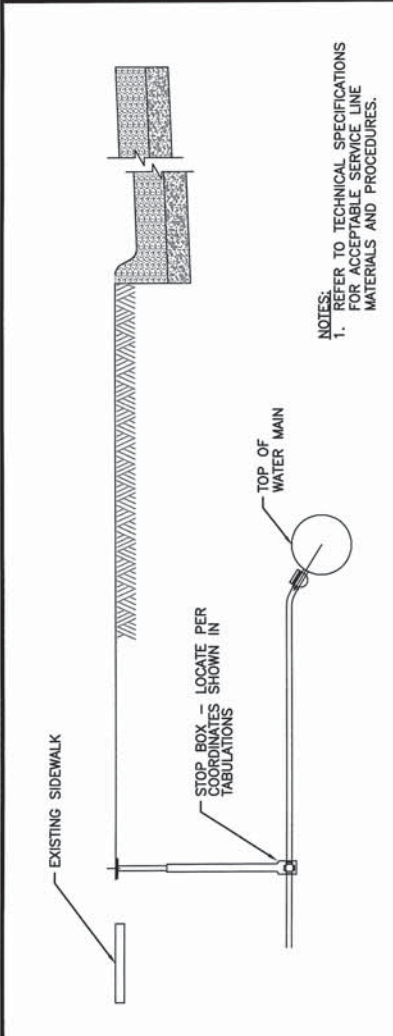
TABULATION OF SLOPE SEDIMENT CONTROL DEVICES

| NO. | LOCATION & STATION | TYPE | EXISTING ELEVATION | PROPOSED ELEVATION | ADJUSTMENT (FT) | REMARKS |
|-----|----------------------------|------------------|--------------------|--------------------|-----------------|---------|
| 1 | STA. 1+44.02, 3.80 LEFT | Sanitary Manhole | 780.44 | 780.49 | +0.05 | Minor |
| 2 | STA. 1+48.44, 7.45 LEFT | Sanitary Manhole | 782.53 | 782.25 | -0.28 | Minor |
| 3 | STA. 1+48.44, 10.77 LEFT | Sanitary Manhole | 785.65 | 785.65 | 0.00 | Minor |
| 4 | STA. 1+48.44, 10.77 LEFT | Sanitary Manhole | 785.65 | 785.65 | 0.00 | Minor |
| 5 | STA. 15+89.22, 18.26 LEFT | Sanitary Manhole | 786.91 | 786.40 | -0.51 | Major |
| 6 | STA. 23+07.03, 55.58 RIGHT | Sanitary Manhole | 811.10 | 811.30 | +0.20 | Minor |

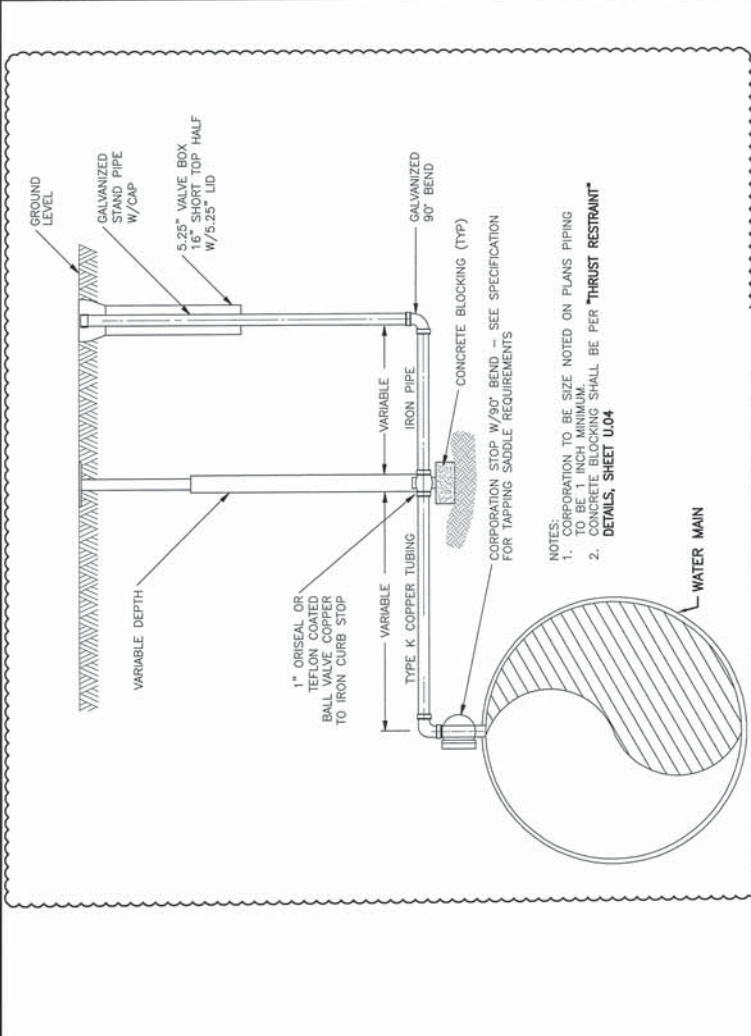
LIST OF SUBDRAIN WORK

| NO. | STATION TO STATION | TYPE OF INSTALLATION | CONCRETE C.M.P. OR PLASTIC | DIA. | LENGTH | APPROX. DR-304 | | CONNECTED PIPE JOINTS * DR-121 | | FRENCH DRAIN | GRANULAR MATERIAL | POROUS BACKFILL * | CLASS "A" CRUSHED STONE * | REMARKS |
|-----|---------------------------|----------------------|----------------------------|------|--------|----------------|----|--------------------------------|------|--------------|-------------------|-------------------|---------------------------------------|---------|
| | | | | | | IN | FT | No. | Type | | | | | |
| 1 | STA. 1+48.71 TO 2+37.17 L | DR-303 | PLASTIC | 6 | 188 | 2 | 2 | 2 | 2 | LF | 8.1 | 10.4 | Connect to existing subdrain cleanout | |
| 2 | STA. 1+48.71 TO 2+37.17 L | DR-303 | PLASTIC | 6 | 188 | 2 | 2 | 2 | 2 | LF | 8.1 | 10.4 | Connect to existing subdrain cleanout | |
| 3 | STA. 3+45.17 TO 6+16.00 R | DR-303 | PLASTIC | 6 | 261 | 1 | 1 | 1 | 1 | LF | 12.1 | 11.2 | Connect to existing subdrain | |
| 4 | STA. 6+05.00 TO 8+22.69 L | DR-303 | PLASTIC | 6 | 217 | 0 | 0 | 0 | 0 | LF | 10.4 | 11.2 | Connect to existing sub | |

- WATER NOTES:**
1. ALL PERMITS SHALL BE SECURED AND FEES SHALL BE PAID PRIOR TO START OF CONSTRUCTION.
 2. CONTRACTOR SHALL CONTACT CEDAR RAPIDS WATER DEPARTMENT (319) 286-5950 TO OBTAIN A 'START WORK' ORDER 24 HOURS PRIOR TO BEGINNING CONSTRUCTION OF WATER SYSTEM IMPROVEMENTS.
 3. CONSTRUCTION OF PUBLIC AND PRIVATE WATER SYSTEM IMPROVEMENTS REQUIRES AN APPROVED PLAN SET ON FILE IN THE CEDAR RAPIDS DEPARTMENT, 1111 SHAVER ROAD NE.
 4. ON SITE INSPECTION OF WATER MAIN INSTALLATION WILL BE PROVIDED BY THE MUNICIPAL UTILITY.
 5. THE CONTRACTOR IS RESPONSIBLE TO CONTACT IOWA ONE-CALL 1-800-292-8989 PRIOR TO EXCAVATION.
 6. WATER MAIN MATERIALS, INSTALLATION AND TESTING MUST COMPLY WITH THE SPECIAL PROVISIONS SPECIFICATIONS.
 7. THIS APPLIES TO BOTH PUBLIC AND PRIVATE WATER MAINS AND LARGE SERVICE LINES (3" OR LARGER) ON THE DISTRIBUTION SIDE OF THE METER.
 8. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CEDAR RAPIDS WATER DEPARTMENT FOR ANY VARIANCE FROM THE APPROVED PLAN.
 9. CONTRACTOR SHALL CONTACT CEDAR RAPIDS WATER DEPARTMENT (319) 286-5950 FOR THE FOLLOWING SERVICES:
 - 1. WATER SHUT DOWN, TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 2. WATER SHUT DOWN, TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 3. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 4. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 5. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 6. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 7. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 8. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
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 - 16. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
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 - 18. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 19. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.
 - 20. TAP, FLUSH & FILL SAMPLING AND OTHER SERVICES RELATED TO THE WATER SYSTEM.



TYPICAL WATER SERVICE LINE INSTALLATION - RESIDENTIAL AREA



A1: Added Detail

WATER GENERAL NOTES

| | | | | | | | | | | | |
|-------------|------|----------|---------------|---------------|------------------|------|--------|----------------|------------------------|--------------|------|
| ROAD DESIGN | CADD | PRODUCED | STATE OF IOWA | FHWA REGION 7 | FISCAL YEAR 2016 | LINN | COUNTY | PROJECT NUMBER | STP-A-1187(771)--86-57 | SHEET NUMBER | U.03 |
|-------------|------|----------|---------------|---------------|------------------|------|--------|----------------|------------------------|--------------|------|