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project title:  
**Gardnerville Station**

1395 US 395 N  
GARDNERVILLE, NV

job number: 16-100  
date: June 30, 2017  
drawn by: TAD  
checked by: prd  
revisions: BIDDING 2.20.18

sheet description:  
**ONSITE UTILITY PLAN**

sheet number:  
**C100**

**LEGEND**

- CONIFEROUS TREE
- DECIDUOUS TREE
- CATCH BASIN
- DROP INLET
- STORM DRAIN MANHOLE
- SIGN
- FIRE HYDRANT
- LIGHT
- SEWER MANHOLE
- WATER VALVE
- UTILITY POLE
- COMMUNICATION MANHOLE
- UTILITY RISER OR BOX
- SEWER CLEAN-OUT
- WATER METER
- WELL
- GAS VALVE
- ASPHALT SURFACE
- CONCRETE SURFACE
- UNDERGROUND POWER
- OVERHEAD POWER
- SEWER
- STORM DRAIN
- UNDERGROUND CABLE
- UNDERGROUND TELEPHONE
- WATER
- 8250 CONTOUR
- PARCEL LINES

**BASIS OF BEARING**

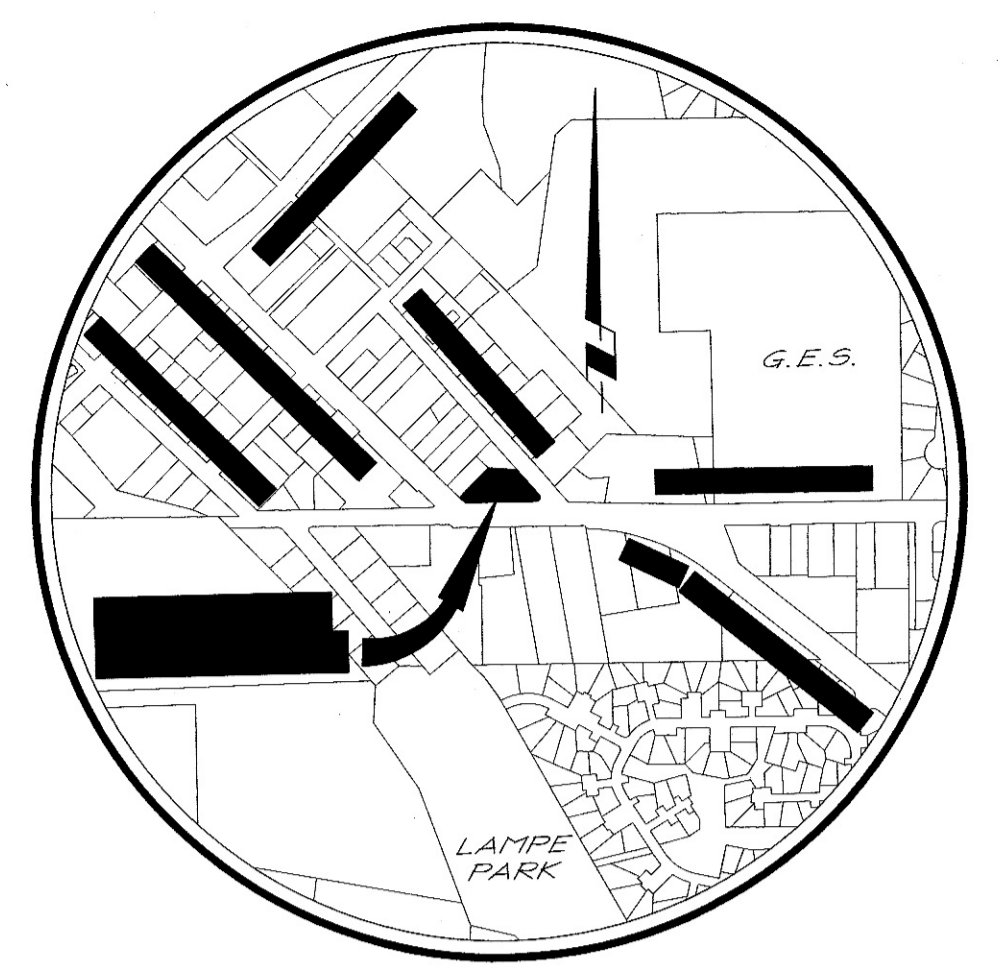
S40°41'36"E - NORTHERLY LINE OF MISSION STREET PER RECORD OF SURVEY TO SUPPORT A BOUNDARY LINE ADJUSTMENT FOR HELLMINKEL EXEMPTION, MARITAL, AND SURVIVOR'S TRUSTS AND ROBERTSON FAMILY EXEMPTION TRUST RECORDED OCTOBER 31, 2011 AS DOCUMENT NO. 791703.

**DATUM**

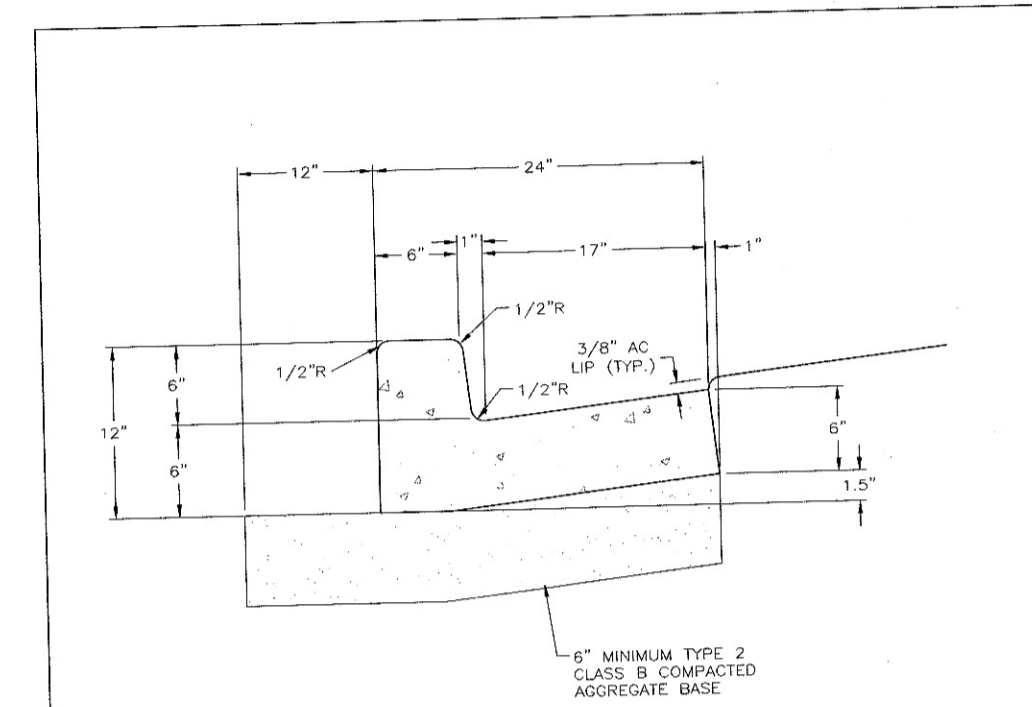
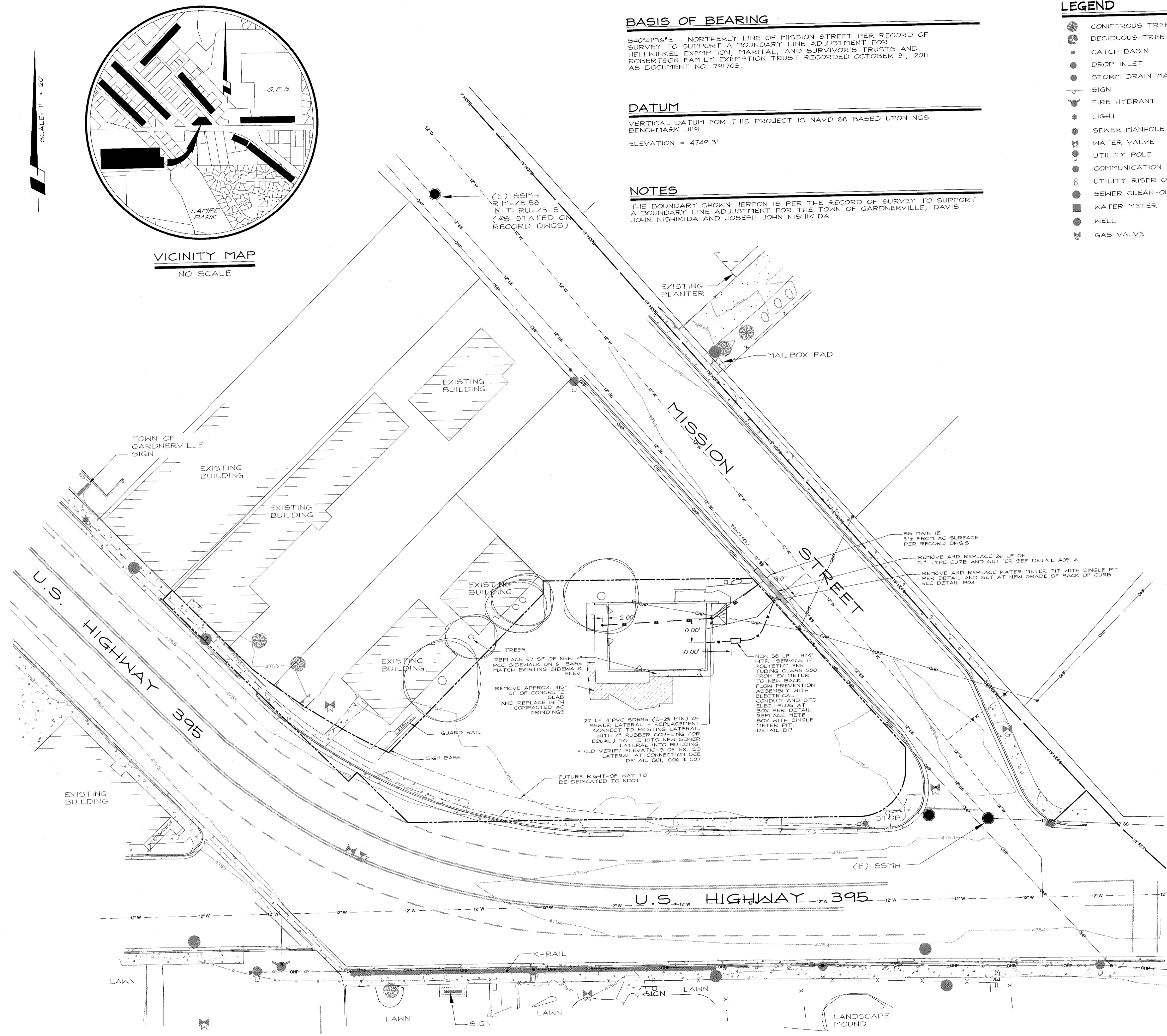
VERTICAL DATUM FOR THIS PROJECT IS NAVD 88 BASED UPON NGS BENCHMARK J3119  
ELEVATION = 4749.3'

**NOTES**

THE BOUNDARY SHOWN HEREON IS PER THE RECORD OF SURVEY TO SUPPORT A BOUNDARY LINE ADJUSTMENT FOR THE TOWN OF GARDNERVILLE, DAVIS JOHN NISHIKIDA AND JOSEPH JOHN NISHIKIDA



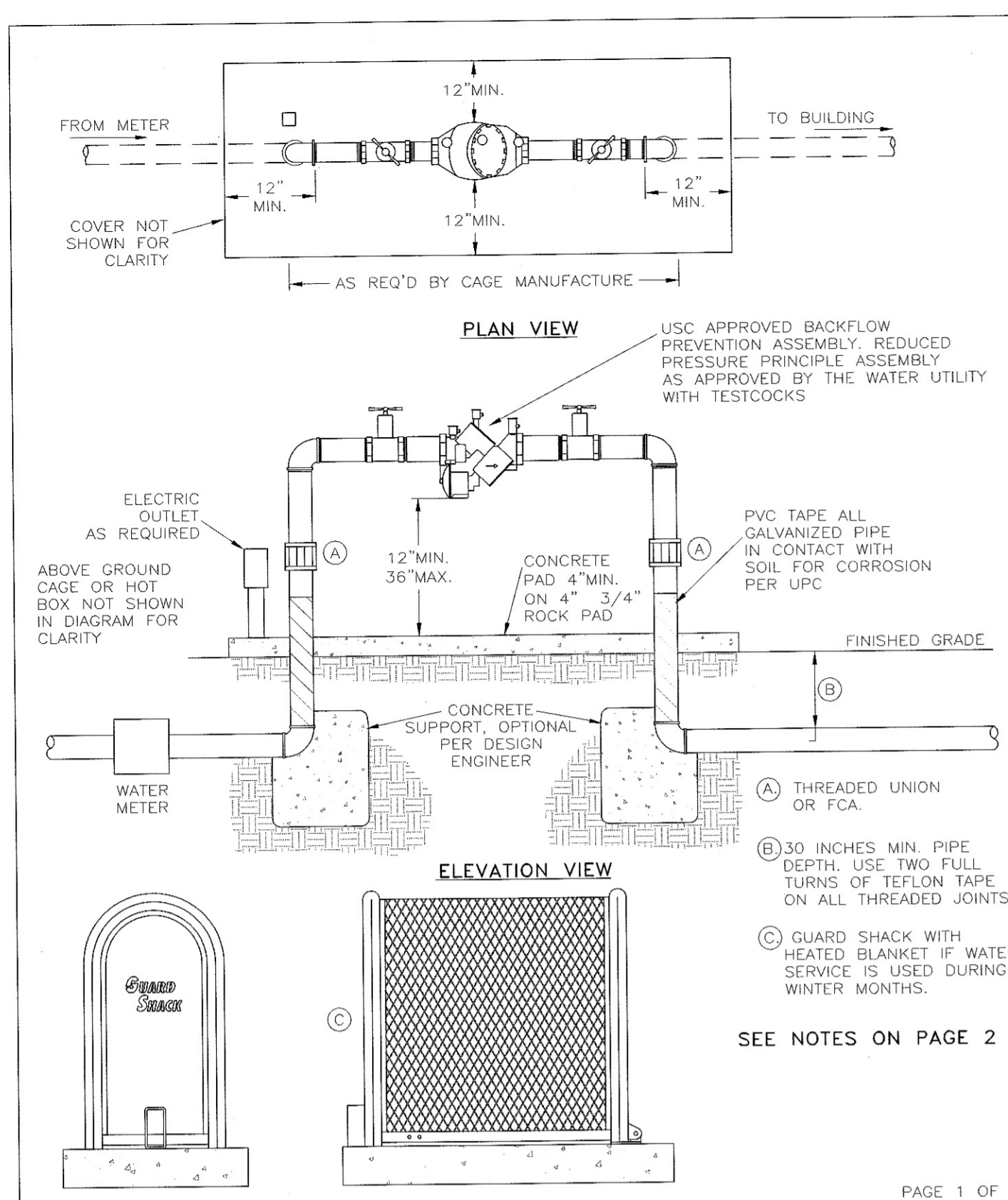
VICINITY MAP  
NO SCALE



1. PORTLAND CEMENT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337.10.01.01 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR CONCRETE EXPOSED TO FREEZE-THAW ENVIRONMENTS.  
2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED EVERY 10 FEET. THE JOINTS SHALL PENETRATE TO A DEPTH OF 2 INCHES AND BE CONSTRUCTED IN CONFORMANCE WITH SECTION 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.  
3. EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED IN SECTION 312 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.  
4. TYPE 2, CLASS B AGGREGATE BASE SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED IN CONFORMANCE WITH SECTION 308 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION:        |
|-----|----------|------|---|-----------------|
|     |          |      | TYPE 1 PCC CURB & GUTTER                      | DOUGLAS COUNTY  |
|     |          |      |   | DATE: JULY 2017 |
|     |          |      |   | DWG: A05-A      |

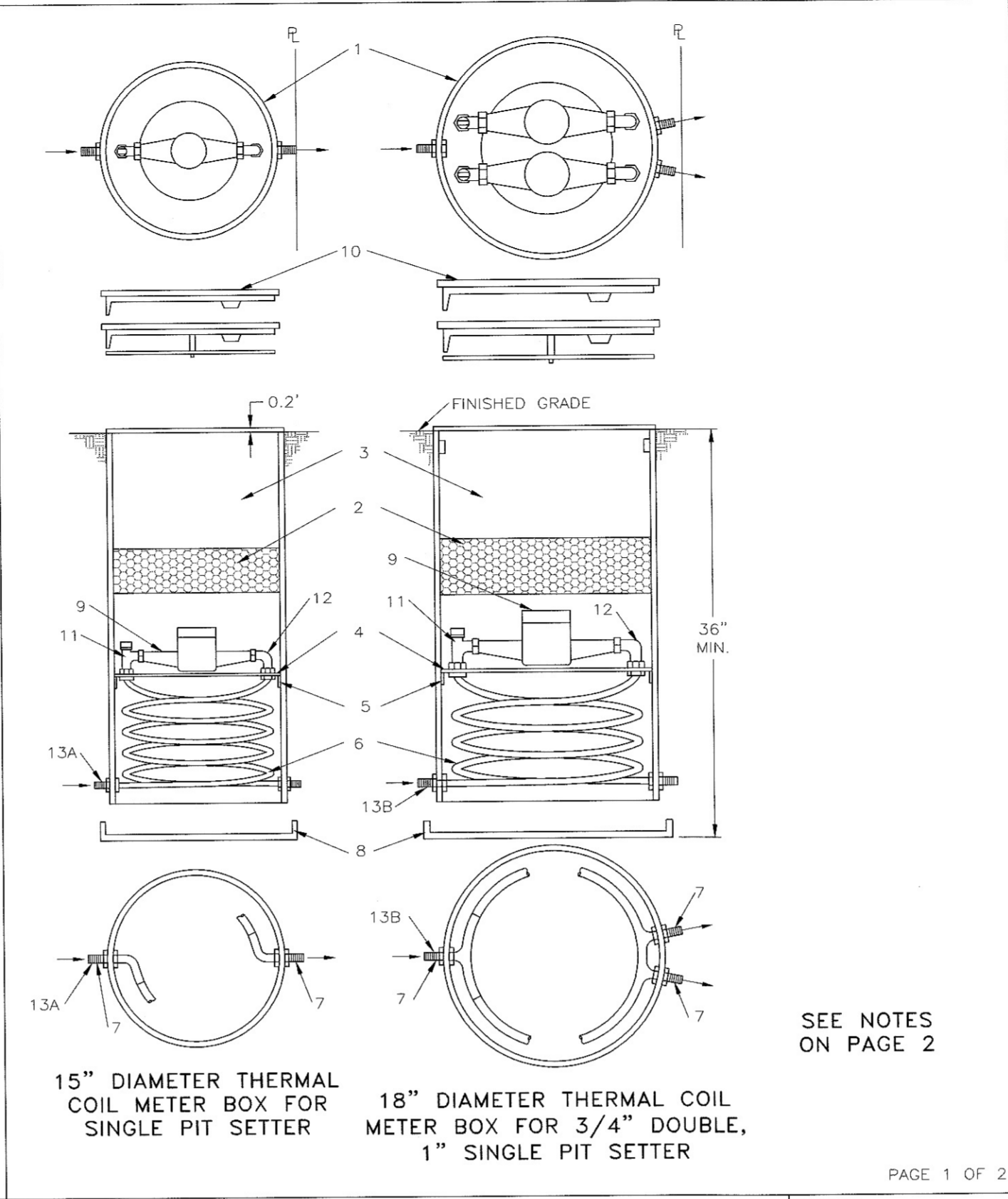
PAGE 1 OF 1



**NOTES:**

1. RP MUST BE ABOVE GRADE.
2. FREEZE PROTECTION (INSULATED ABOVE GROUND VAULT OR HOT BOX AND REDUNDANT HEAT TAPE) IS REQUIRED.
3. AN ABOVE GROUND VAULT (HOT BOX OR EQUIVALENT) MUST BE SIZED TO PROVIDE CLEARANCES SHOWN IN PLAN VIEW. A SPRING LOADED LID IS REQUIRED.
4. A HOT BOX LID MUST SWING CLEAR OF BACKFLOW PREVENTION ASSEMBLY TO PROVIDE CLEARANCES IN PLAN VIEW.
5. STOP AND WASTE VALVES MUST NOT BE USED BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY.
6. ABOVE GROUND VAULTS AND HOT BOX MUST PROVIDE ADEQUATELY SIZED DAYLIGHT DRAINS AT PAD LEVEL FOR DRAINAGE.
7. ELECTRICAL SUPPLY SOCKETS, IF REQUIRED, MUST BE AWAY FROM WATER RELIEF PORT AND TESTCOCKS, AND GFCI PROTECTED.
8. THE BACKFLOW PREVENTION ASSEMBLY DEVICE MUST BE VISUALLY INSPECTED BY A CALIFORNIA / NEVADA AWWA OR AWWA CERTIFIED BACKFLOW TESTER AT THE TIME OF INSTALLATION, YEARLY THEREAFTER, AND AFTER REPAIRS, WITH THE RESULTS SENT TO THE WATER UTILITY.
9. NO OUTLET TEE, TAP OR CONNECTION SHALL BE INSTALLED BETWEEN SERVICE CONNECTION AND BACKFLOW PREVENTION ASSEMBLY.
10. REFER TO RELIEF VALVE DISCHARGE RATE SO THAT ADEQUATE DRAINAGE CAN BE INSTALLED.
11. SUPPORTS REQUIRED FOR ASSEMBLIES 2.5\"/>

12. INDOOR INSTALLATION OF BACKFLOW PREVENTION ASSEMBLIES (RP'S) SHALL MEET INSTALLATION CLEARANCES OF NAC 445A.67235(9).



**NOTES:**

1. SERVICE LINE SIZE AS REQUIRED BY WATER UTILITY (3/4\"/>

**PARTS KEY:**

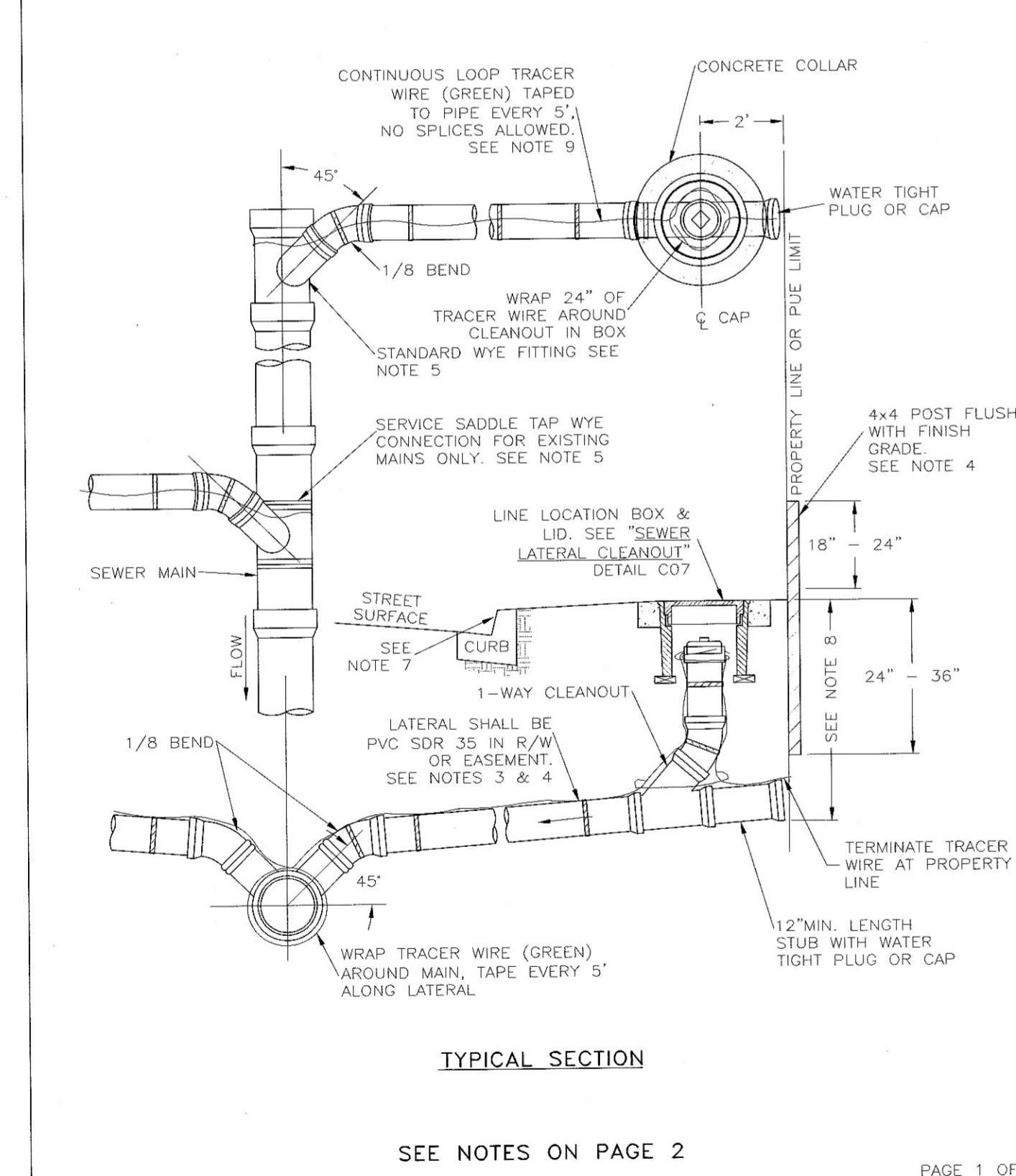
1. PVC BOX, MINIMUM WALL THICKNESS 0.300\"/>

| NO. | REVISION | DATE | SECTION:            |
|-----|----------|------|---------------------|
|     |          |      | DOUGLAS COUNTY      |
|     |          |      | DATE: FEBRUARY 2018 |
|     |          |      | DWG: B17            |

| NO. | REVISION | DATE | SECTION:        |
|-----|----------|------|-----------------|
|     |          |      | DOUGLAS COUNTY  |
|     |          |      | DATE: JULY 2017 |
|     |          |      | DWG: B17        |

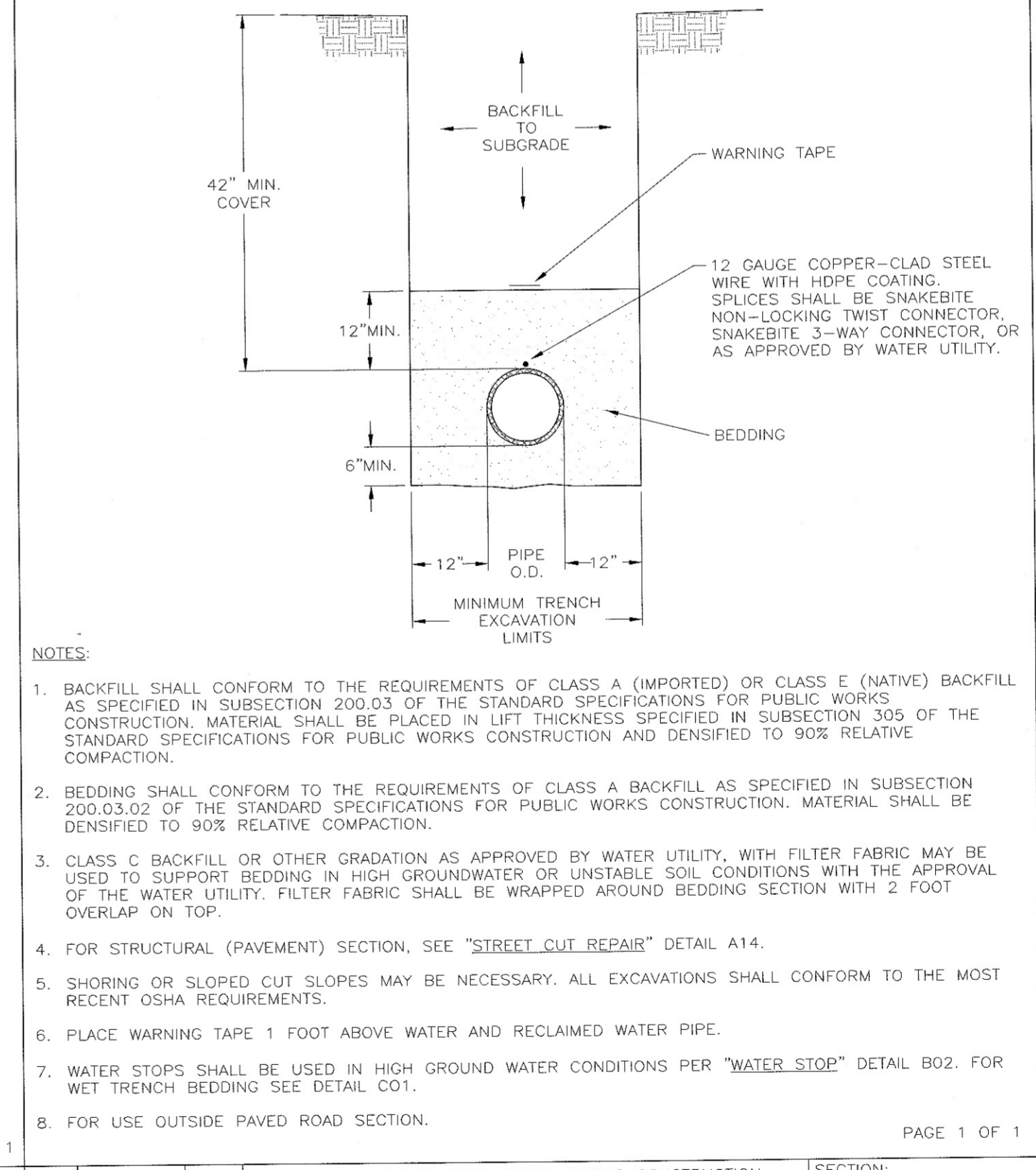
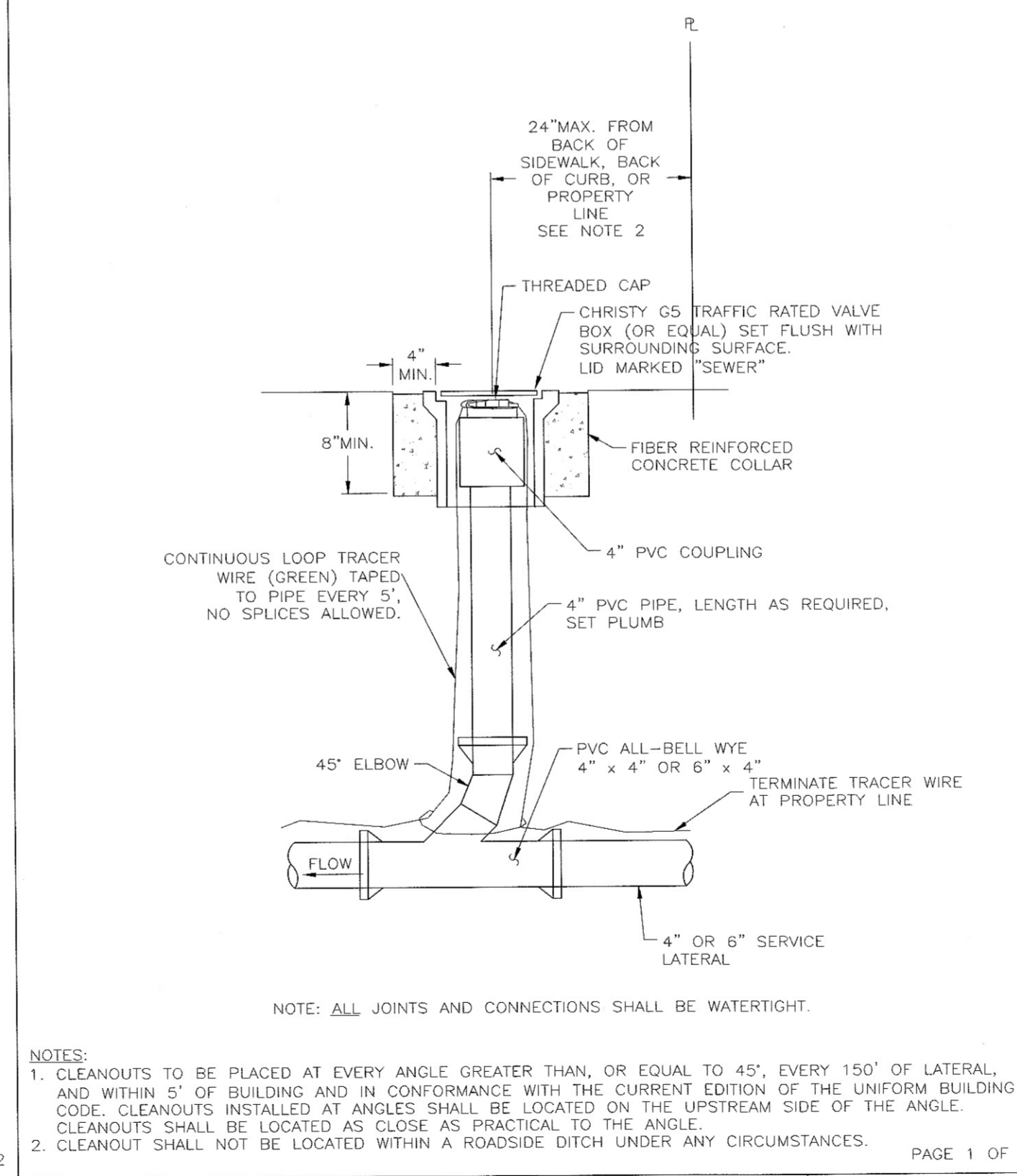
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|-----|----------|------|-----------------|
|     |          |      | DOUGLAS COUNTY  |
|     |          |      | DATE: JULY 2017 |
|     |          |      | DWG: B04        |

| NO. | REVISION | DATE | SECTION:        |
|-----|----------|------|-----------------|
|     |          |      | DOUGLAS COUNTY  |
|     |          |      | DATE: JULY 2017 |
|     |          |      | DWG: B04        |



**NOTES:**

1. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OR MATCH THE FLOWLINE OF THE PIPE.
2. SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2% ON 4\"/>



| NO. | REVISION | DATE | SECTION:        |
|-----|----------|------|-----------------|
|     |          |      | DOUGLAS COUNTY  |
|     |          |      | DATE: JULY 2017 |
|     |          |      | DWG: C06        |

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|-----|----------|------|-----------------|
|     |          |      | DOUGLAS COUNTY  |
|     |          |      | DATE: JULY 2017 |
|     |          |      | DWG: C06        |

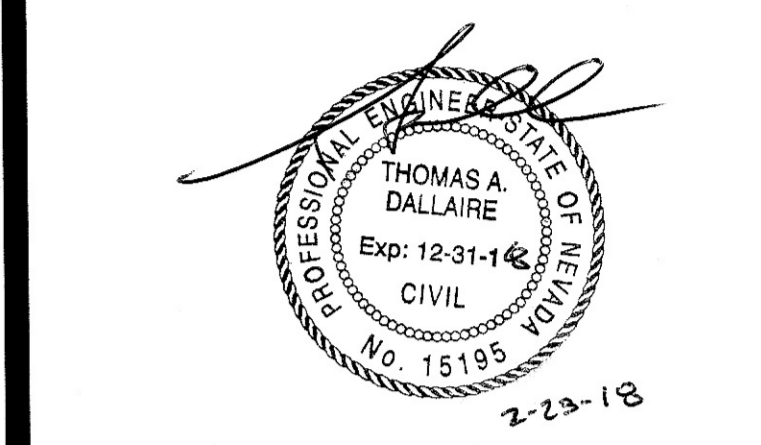
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|-----|----------|------|-----------------|
|     |          |      | DOUGLAS COUNTY  |
|     |          |      | DATE: JULY 2017 |
|     |          |      | DWG: C07        |

| NO. | REVISION | DATE | SECTION:        |
|-----|----------|------|-----------------|
|     |          |      | DOUGLAS COUNTY  |
|     |          |      | DATE: JULY 2017 |
|     |          |      | DWG: B01        |



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sheet description:  
**ONSITE UTILITY DEATILS**

sheet number:

**C101**