

# LONGVIEW MEADOW

A RESIDENTIAL SUBDIVISION

ELK RIDGE, UTAH

FINAL PLAN SET

JANUARY 2023

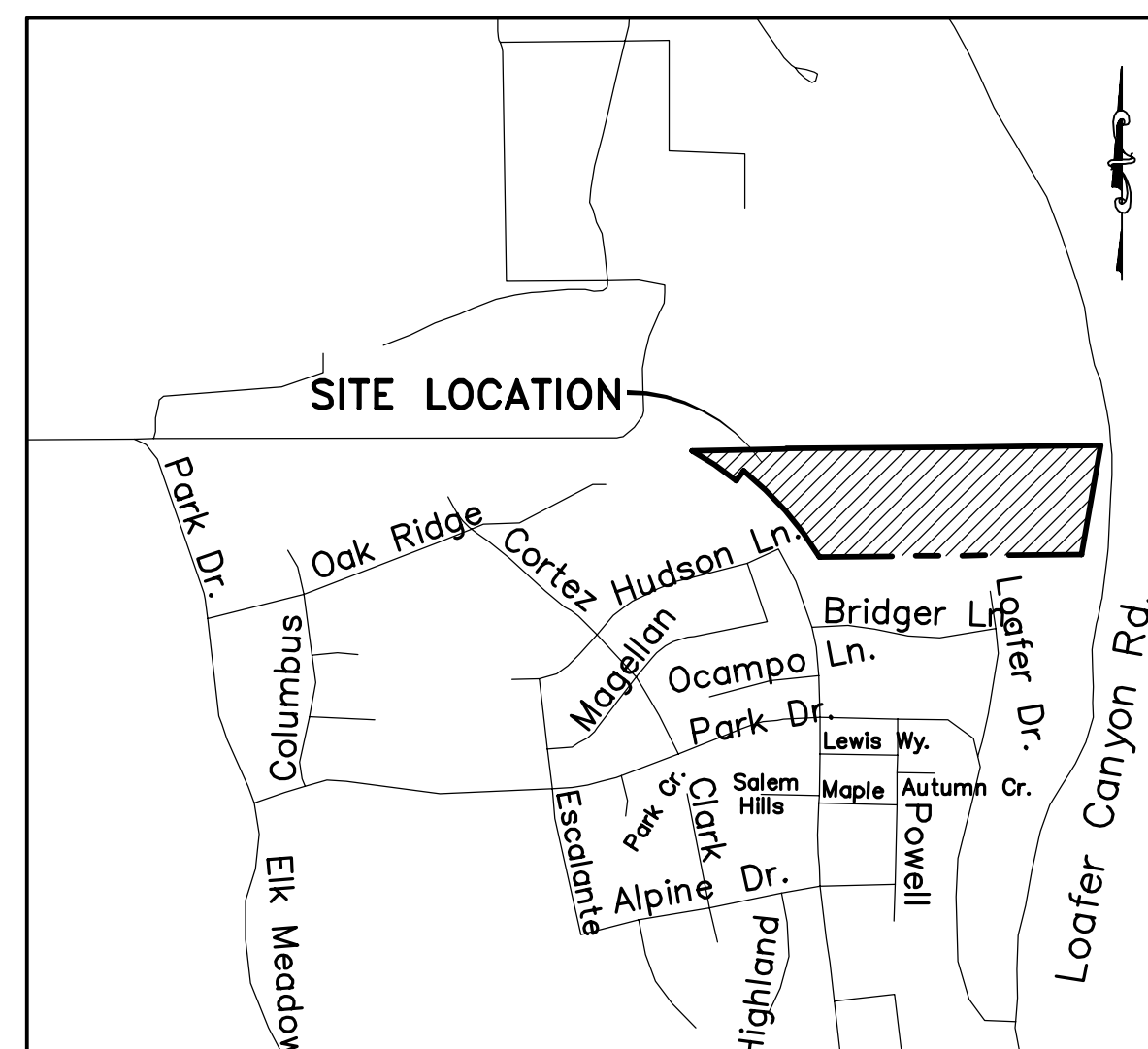
## -SHEET INDEX-

### SHEET

### SHEET NAME

|       |                                                                    |
|-------|--------------------------------------------------------------------|
| 1     | COVER                                                              |
| 2     | FINAL PLAT                                                         |
| 3     | UTILITY & INDEX                                                    |
| 4     | GRADING                                                            |
| 5     | EXISTING TOPOGRAPHY                                                |
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| PP-08 | PLAN & PROFILE – VALLEY VIEW DRIVE – STA. 10+00 TO STA. 11+97.65   |
| PP-09 | PLAN & PROFILE – MOUNTAIN VIEW DRIVE – STA. 10+00 TO STA. 15+63.08 |
| DT-01 | DETAIL SHEET                                                       |
| DT-02 | DETAIL SHEET                                                       |
| DT-03 | DETAIL SHEET                                                       |
| DT-04 | DETAIL SHEET                                                       |
| DT-05 | DETAIL SHEET                                                       |
| ROS   | RECORD OF SURVEY                                                   |

**NOTES:**  
CONTRACTOR RESPONSIBLE TO CONTACT BLUESTAKES  
PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN  
PLANS AND ACTUAL FIELD CONDITIONS TO BE REPORTED  
TO ENGINEER.

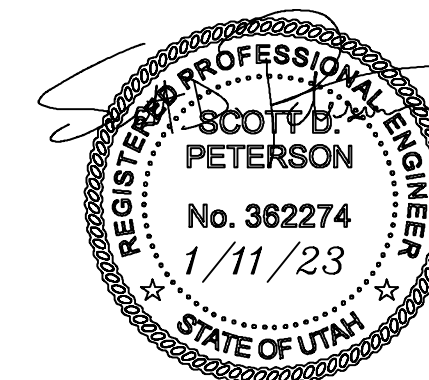


VICINITY MAP

—NTS—

**OWNER/DEVELOPER**  
JOE WILKINS  
joewilkins407@gmail.com  
ELK RIDGE, UTAH  
801-636-5231

**DATA TABLE**  
ZONING=R-20  
TOTAL ACREAGE=23.04  
TOTAL # OF LOTS=32  
TOTAL ACREAGE OF LOTS=17.21  
TOTAL ACREAGE IN ROADS=4.82  
TOTAL ACREAGE OF OPEN SPACE=1.01  
TOTAL LOTS/ACRE=1.39



| LEGEND<br>(APPLIES TO ALL SHEETS) |                                   |
|-----------------------------------|-----------------------------------|
|                                   | SECTION CORNER                    |
|                                   | FOUND ALUMINUM CAP                |
|                                   | SET 5/8" IRON PIN                 |
|                                   | CALCULATED POINT, NOT SET         |
|                                   | EXISTING POWER POLE               |
|                                   | PROPOSED STREET LIGHT             |
|                                   | PROPOSED FIRE HYDRANT             |
|                                   | PROPOSED SIGN                     |
|                                   | PROPOSED STREET SIGN              |
|                                   | PROPERTY BOUNDARY                 |
|                                   | CENTERLINE                        |
|                                   | RIGHT-OF-WAY LINE                 |
|                                   | LOT LINE                          |
|                                   | SECTION LINE                      |
|                                   | EASEMENT                          |
|                                   | EXISTING DEED LINE                |
|                                   | EDGE OF PAVEMENT                  |
|                                   | EXISTING OVER HEAD POWER          |
|                                   | EXISTING FENCE LINE               |
|                                   | EXISTING DITCH                    |
|                                   | EXISTING SANITARY SEWER W/MANHOLE |
|                                   | PROPOSED STORM DRAIN W/MANHOLE    |
|                                   | PROPOSED PVC SDR-35 SEWER W/MH    |
|                                   | PROPOSED CULINARY WATERLINE       |
|                                   | PROPOSED PRESSURIZED IRRIGATION   |

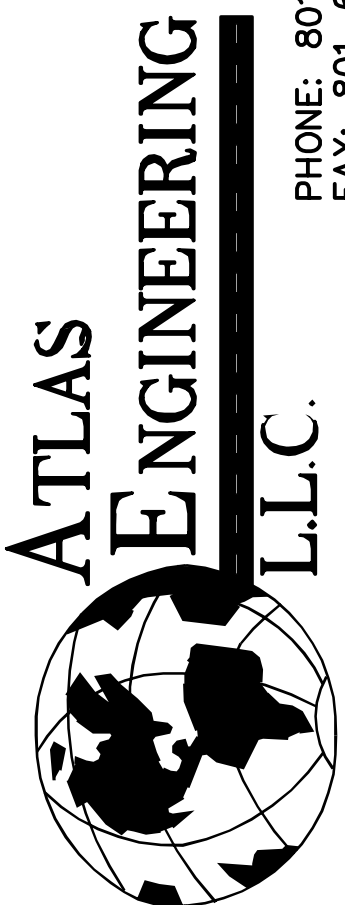
SHEET NO.

1

LONGVIEW MEADOW

COVER

ELK RIDGE, UTAH



PHONE: 801-655-0566  
FAX: 801-655-0109  
946 E 800 N SUITE A  
SPANISH FORK, UT 84660

(DATE STAMP)





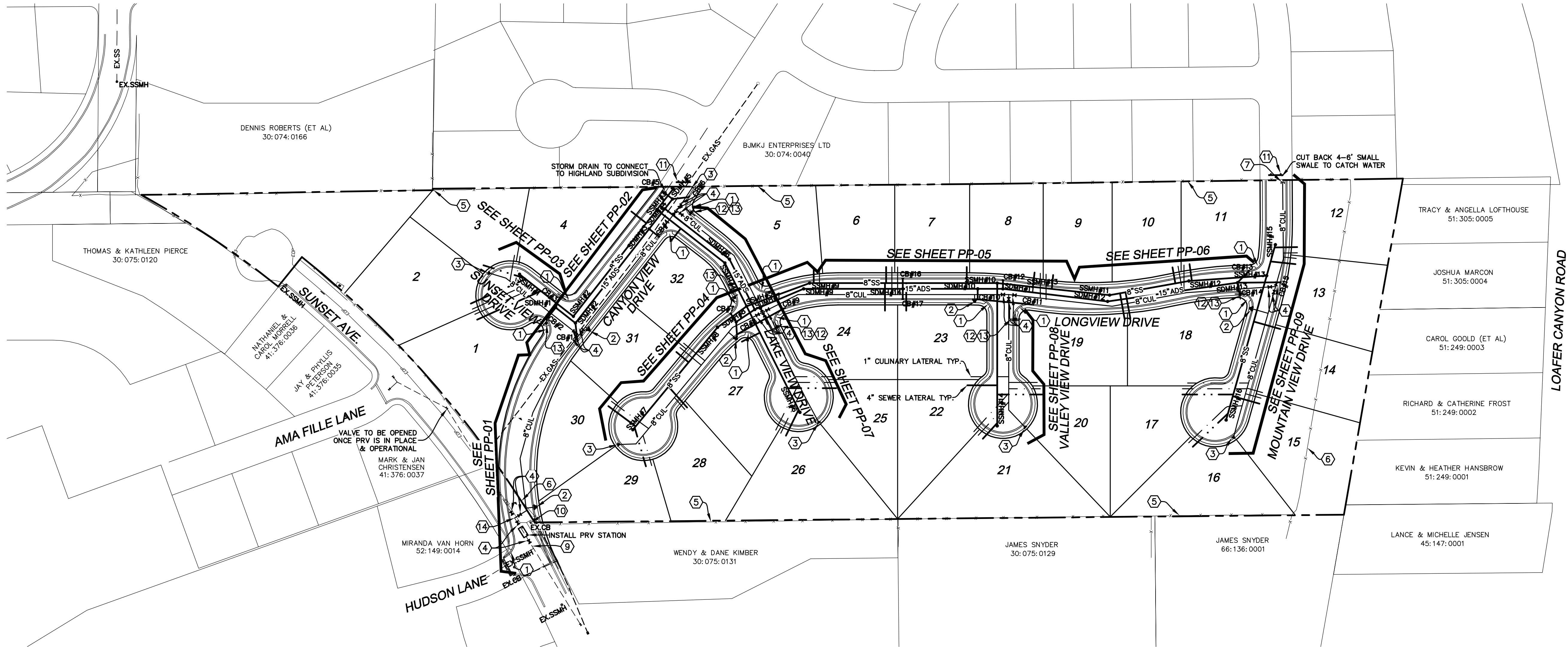
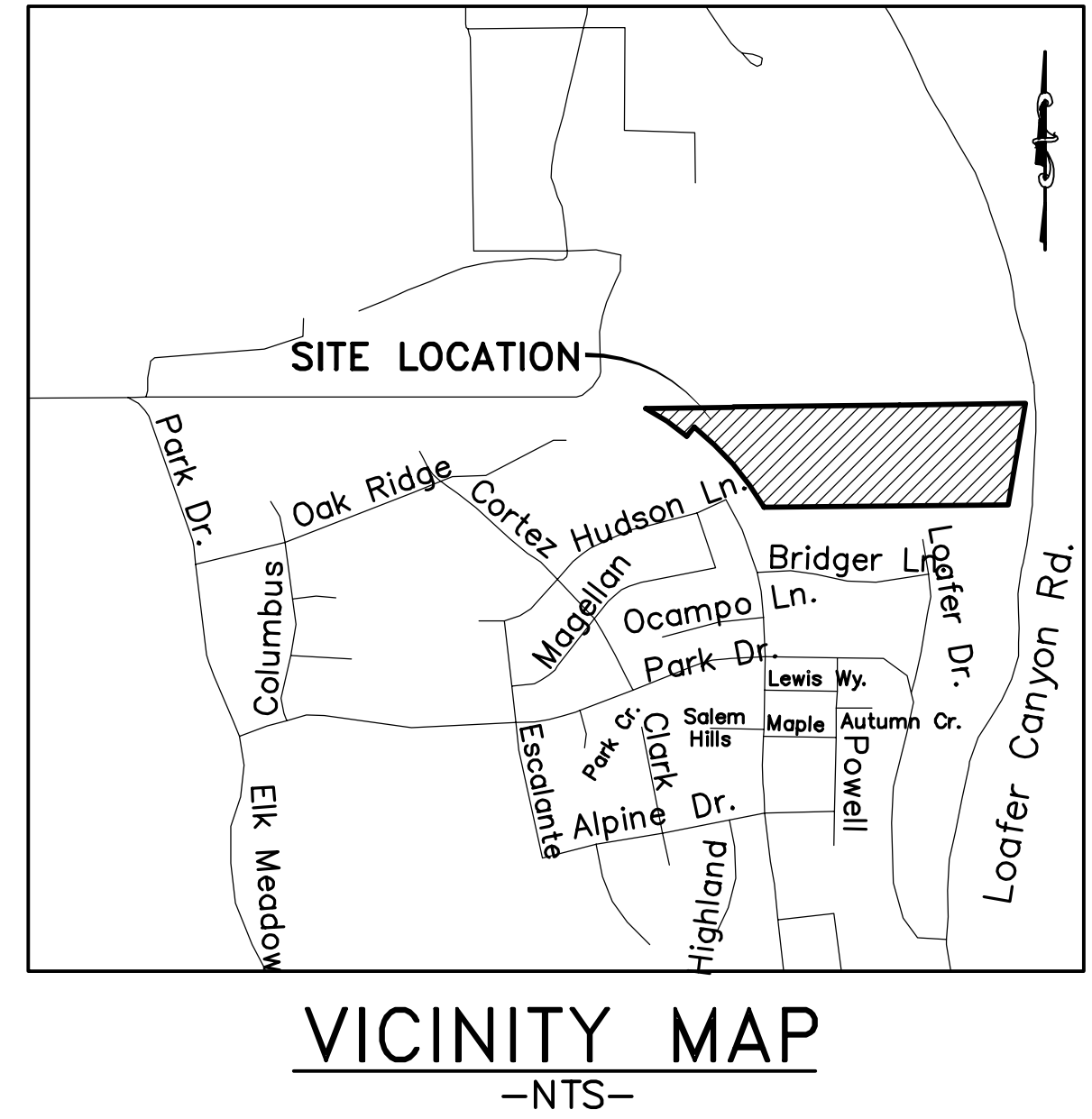
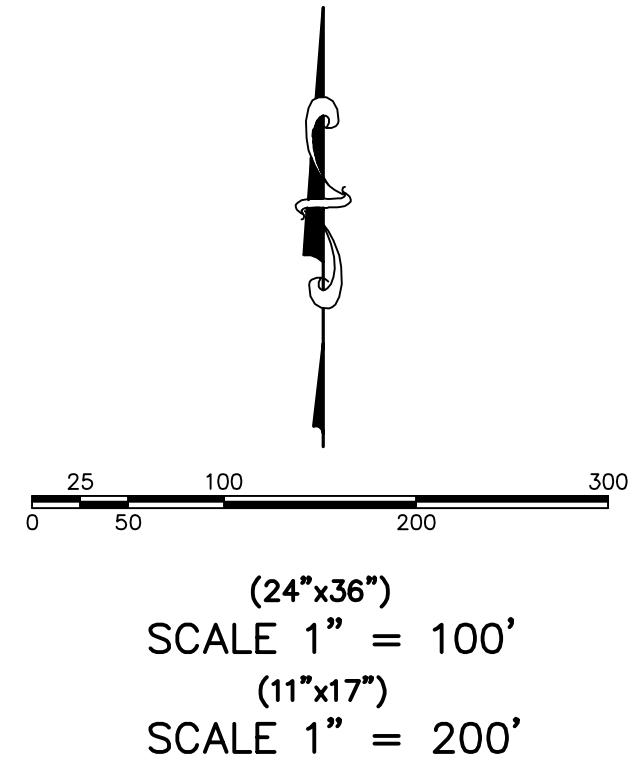


LEGEND

- |  |                                            |    |
|--|--------------------------------------------|----|
|  | EXISTING POWER POLE                        | 1  |
|  | PROPOSED FIRE HYDRANT                      | 2  |
|  | PROPOSED STREET LIGHT                      | 3  |
|  | EXISTING FIRE HYDRANT                      | 4  |
|  | EXISTING WATER VALVE                       | 5  |
|  | EXISTING STREET LIGHT                      | 6  |
|  | PROPOSED STOP SIGN                         | 7  |
|  | PROPOSED STREET SIGN                       | 8  |
|  | EXISTING POWER BOX                         | 9  |
|  | EXISTING TELEPHONE BOX                     | 10 |
|  | EXISTING INLET BOX                         | 11 |
|  | PROPERTY BOUNDARY                          | 12 |
|  | CENTERLINE                                 | 13 |
|  | RIGHT-OF-WAY LINE                          | 14 |
|  | LOT LINE                                   |    |
|  | SECTION LINE                               |    |
|  | EASEMENT                                   |    |
|  | EXISTING FENCE LINE                        |    |
|  | EXISTING OVERHEAD POWER                    |    |
|  | EXISTING SANITARY SEWER W/MHOLE            |    |
|  | EXISTING STORM DRAIN W/MH                  |    |
|  | EXISTING WATER                             |    |
|  | PROPOSED STORM DRAIN                       |    |
|  | PROPOSED PVC SDR-35 SEWER W/MH             |    |
|  | PROPOSED CULINARY WATERLINE                |    |
|  | PROPOSED PRESSURIZED IRRIGATION - C900 PVC |    |

**CONSTRUCTION NOTES:**

- 1 CONST. ADA RAMP PER ELK RIDGE CITY STANDARDS.
- 2 INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
- 3 INSTALL PERMANENT BLOW-OFF VALVE PER ELK RIDGE CITY STANDARDS.
- 4 INSTALL 8" CULINARY WATER PER ELK RIDGE CITY STANDARDS.
- 5 EXISTING FENCE TO REMAIN.
- 6 EXISTING FENCE TO BE REMOVED.
- 7 CAP/PLUG AND MARK TO SURFACE.
- 8 LOCATE AND TIE TO EXISTING SEWER LINE.
- 9 LOCATE AND TIE TO EXISTING CULINARY WATER LINE.
- 10 RELOCATE EXISTING CATCH BASIN TO PROPOSED CURB ALIGNMENT.
- 11 INSTALL END OF STREET CHEVRON MARKERS.
- 12 INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
- 13 INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.
- 14 INSTALL TEE ON EXISTING CULINARY WATERLINE.



SHEET NO.

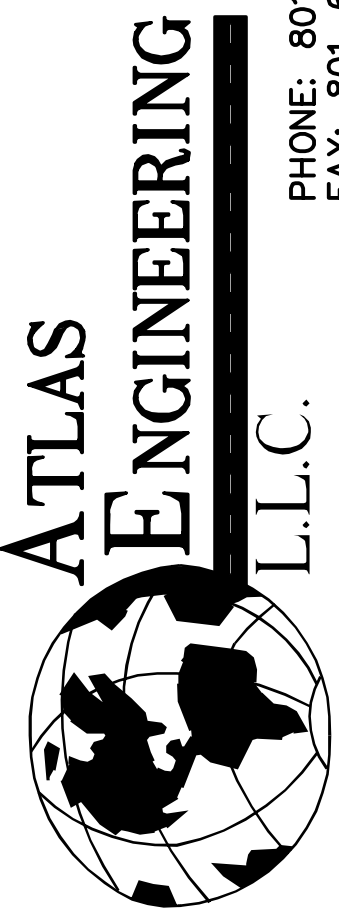
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| NO. | REVISIONS | BY | DATE |
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## UTILITY & INDEX

LONGVIEW MEADOW  
ELK RIDGE, UTAH

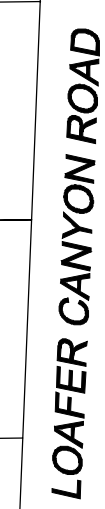
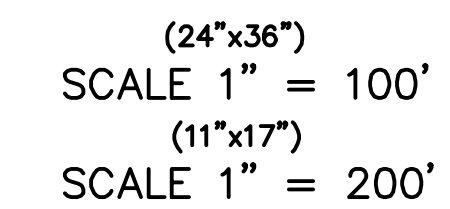


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SPANISH FORK, UT 84660

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|  |                                            |
|--|--------------------------------------------|
|  | EXISTING POWER POLE                        |
|  | PROPOSED FIRE HYDRANT                      |
|  | PROPOSED STREET LIGHT                      |
|  | EXISTING FIRE HYDRANT                      |
|  | EXISTING WATER VALVE                       |
|  | EXISTING STREET LIGHT                      |
|  | PROPOSED STOP SIGN                         |
|  | PROPOSED STREET SIGN                       |
|  | EXISTING POWER BOX                         |
|  | EXISTING TELEPHONE BOX                     |
|  | EXISTING INLET BOX                         |
|  | PROPERTY BOUNDARY                          |
|  | CENTERLINE                                 |
|  | RIGHT-OF-WAY LINE                          |
|  | LOT LINE                                   |
|  | SECTION LINE                               |
|  | EASEMENT                                   |
|  | EXISTING FENCE LINE                        |
|  | EXISTING OVERHEAD POWER                    |
|  | EXISTING SANITARY SEWER W/MANHOLE          |
|  | EXISTING STORM DRAIN W/MH                  |
|  | EXISTING WATER                             |
|  | PROPOSED STORM DRAIN                       |
|  | PROPOSED PVC SDR-35 SEWER W/MH             |
|  | PROPOSED CULINARY WATERLINE                |
|  | PROPOSED PRESSURIZED IRRIGATION - C900 PVC |

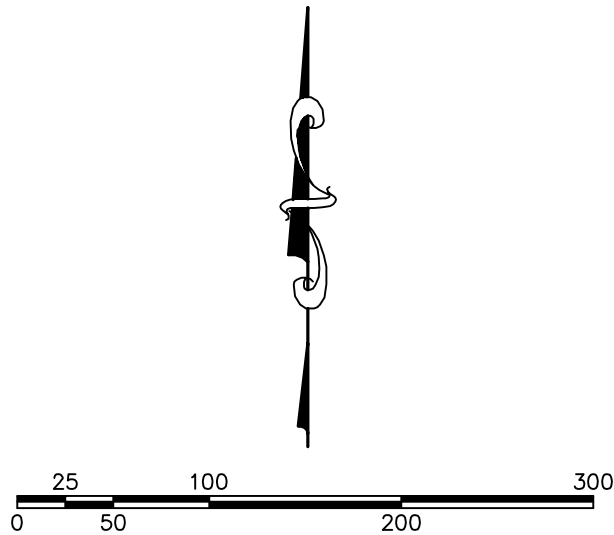


|                                                                                                      |                                    |   |                                             |  |    |      |  |  |                    |
|------------------------------------------------------------------------------------------------------|------------------------------------|---|---------------------------------------------|--|----|------|--|--|--------------------|
| <p>PHONE: 801-655-0566<br/>FAX: 801-655-0109<br/>946 E. 800 N SUITE A<br/>SPANISH FORK, UT 84660</p> | GRADING PLAN                       |   |                                             |  |    |      |  |  | SHEET NO.<br><br>4 |
|                                                                                                      | LONGVIEW MEADOW<br>ELK RIDGE, UTAH |   |                                             |  |    |      |  |  |                    |
|                                                                                                      | NO.                                | 1 | DRYLAND CIRCLE CONTOURS HAVE BEEN ADJUSTED. |  | BY | DATE |  |  |                    |
|                                                                                                      | REVISIONS                          |   |                                             |  |    |      |  |  |                    |
|                                                                                                      | 2                                  |   |                                             |  |    |      |  |  |                    |
|                                                                                                      | 3                                  |   |                                             |  |    |      |  |  |                    |
|                                                                                                      | 4                                  |   |                                             |  |    |      |  |  |                    |
|                                                                                                      | 5                                  |   |                                             |  |    |      |  |  |                    |
|                                                                                                      | 6                                  |   |                                             |  |    |      |  |  |                    |

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- NOTES:
1. UNDISTURBED AREAS OF LOT MAY REMAIN WITH UNCHANGED HISTORICAL DRAINAGE. ANY LOT AREA DISTURBED FOR RESIDENCE, HARDSCAPES, LANDSCAPING, ETC., TO BE GRADED SO RUNOFF DOES NOT LEAVE LOT. THIS MAY REQUIRE THE HOMEOWNER TO CONSTRUCT BERMS AT LOW END OF LOTS. THIS WILL BE REQUIRED OF INDIVIDUAL HOMEOWNERS AT TIME OF CONSTRUCTION.
  2. CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
  3. DUST CONTROL— CONTRACTOR TO SPRAY CONSTRUCTION SITE WITH WATER AS REQUIRED TO PREVENT AIRBORNE DUST.
  4. CATCH BASINS TO HAVE FILTER FABRIC OVER GRATES WITH STRAW WATTLES UNTIL CONSTRUCTION IS COMPLETE.
  5. THE DUST, MUD, AND EROSION CONTROL PLAN SHALL BE ADJUSTED AS NEEDED. IF THE CONTROL PLAN DOES NOT FUNCTION AS INTENDED, A REPRESENTATIVE OF THE ELK RIDGE CITY PUBLIC WORKS DEPARTMENT MAY MAKE SUGGESTIONS, BUT THE DEVELOPER/CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE EFFECTIVENESS OF THE PLAN AND COMPLIANCE WITH ALL PERMITS AND REGULATIONS.
  6. ALL DUST, MUD AND EROSION CONTROL DEVICES SHALL BE CHECKED BY THE CONTRACTOR AS NEEDED. NEEDED CLEANING AND REPAIRS SHALL BE DONE IMMEDIATELY UPON DISCOVERY.
  7. ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE SHALL BE PROTECTED FROM SOIL EROSION FLOWS. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AS INDIVIDUAL INLETS ARE INSTALLED. ALL PIPE LINES THAT ARE CONNECTED TO THE PUBLIC SYSTEM SHALL BE KEPT FREE OF DIRT AND DEBRIS.
  8. EROSION CONTROL METHODS AND STRUCTURES SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED BY THE CONTRACTOR AS LONG AS NEEDED TO PREVENT EROSION.
  9. CUT/FILL SLOPES WILL REVEGETATE NATURALLY WITH SEED FROM ADJACENT NATIVE GRASSES. RESEEDING WILL NOT BE REQUIRED.
  10. SNOUTS OIL/WATER SEPARATOR REQUIRED ON ALL CATCH BASINS. THE CONTRACTOR SHALL SIZE THE DEPTH OF THE CATCH BASINS TO MEET THE SUP DEPTH REQUIREMENTS OF THE SPECIFIC MODEL OF SNOUT BEING USED.
  11. PROVIDE 1/10 DROP IN STORMWATER MANHOLES.
  12. PROVIDE SAFETY GRATES ON ALL STORM WATER INLETS AND OUTLETS. SEE GRID GRATE DETAIL, SHEET DT-01



(24"x36")  
SCALE 1" = 100'  
(11"x17")  
SCALE 1" = 200'



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EXISTING TOPOGRAPHY

LONGVIEW MEADOW  
ELK RIDGE, UTAH

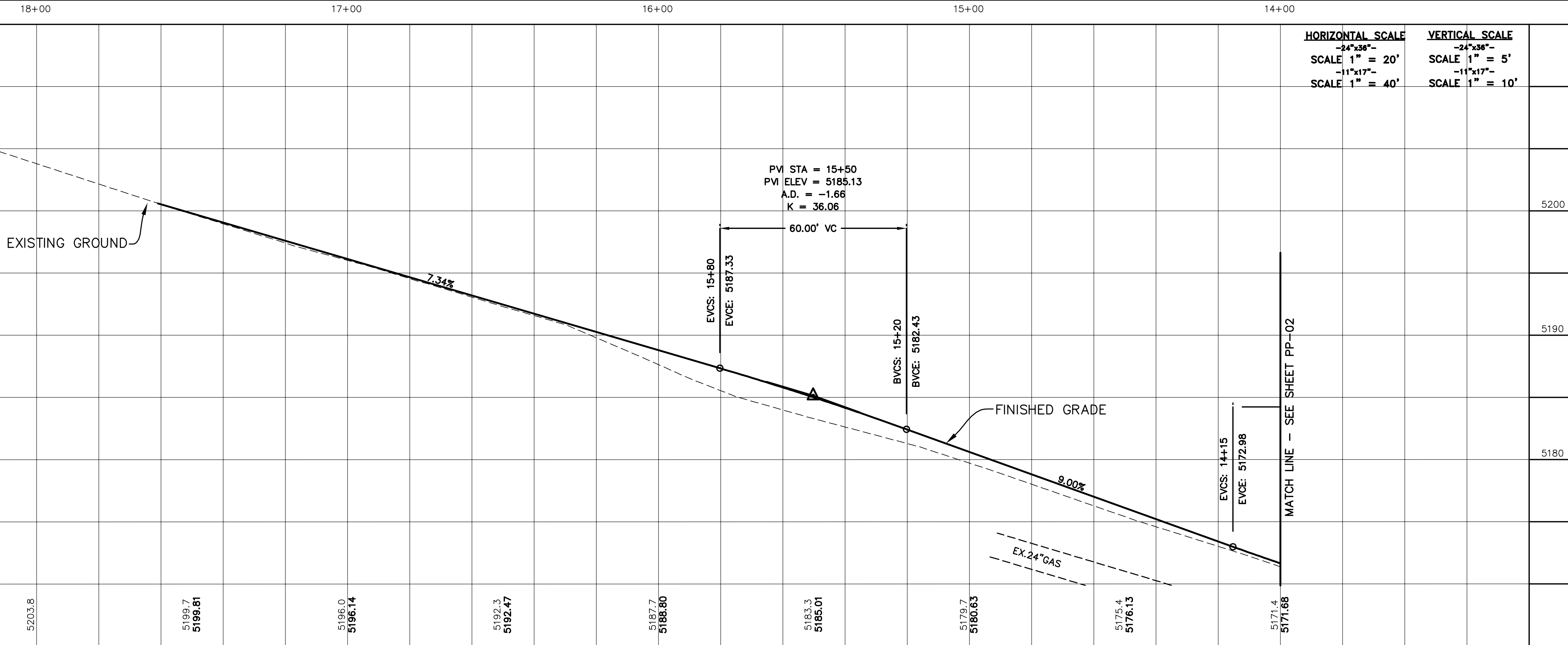
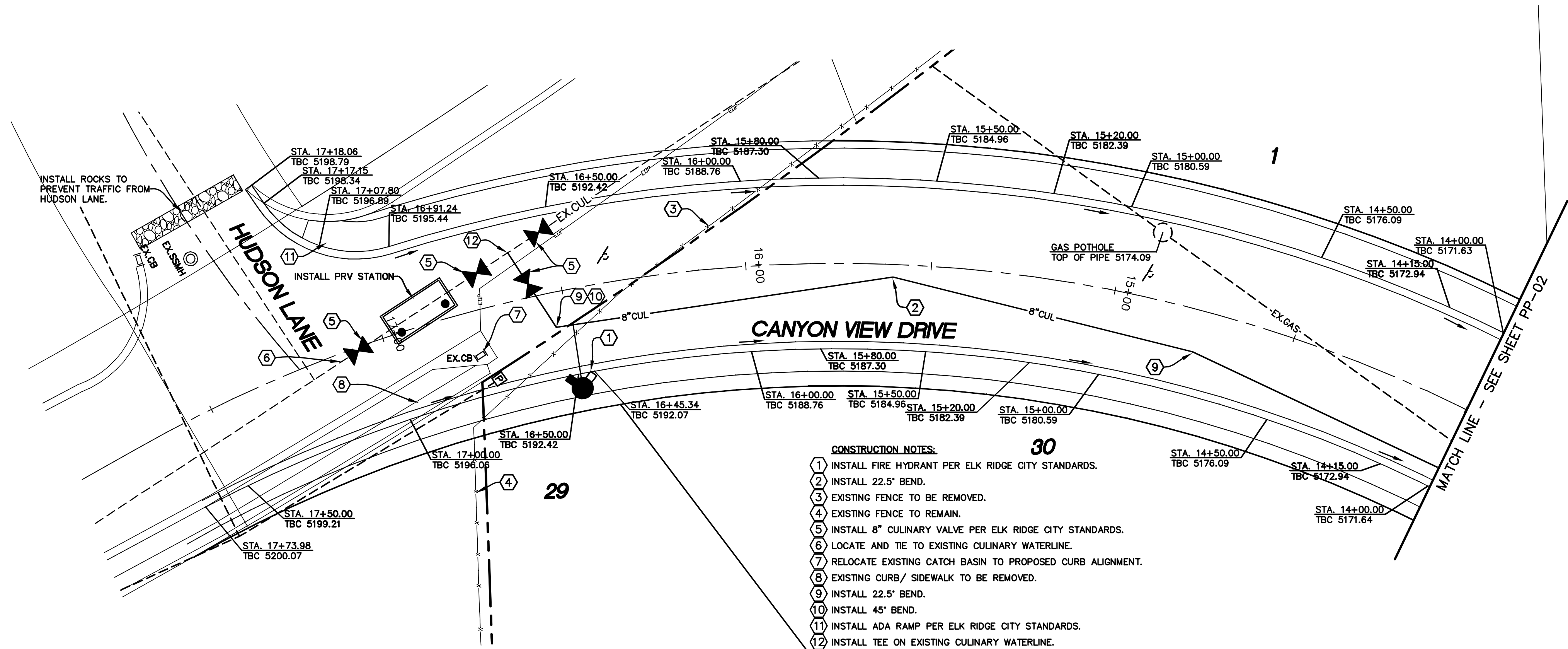
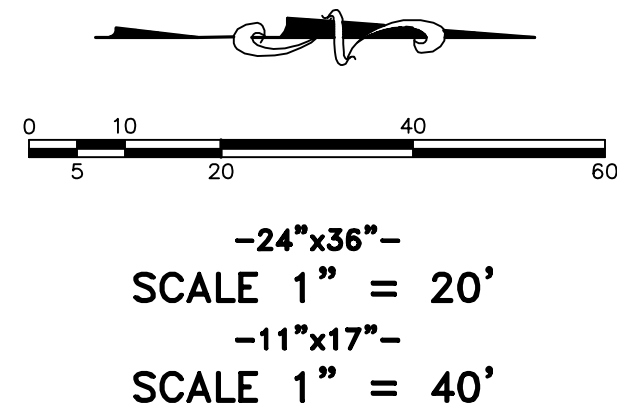
SHEET NO.  
5

| NO. | REVISIONS | BY | DATE |
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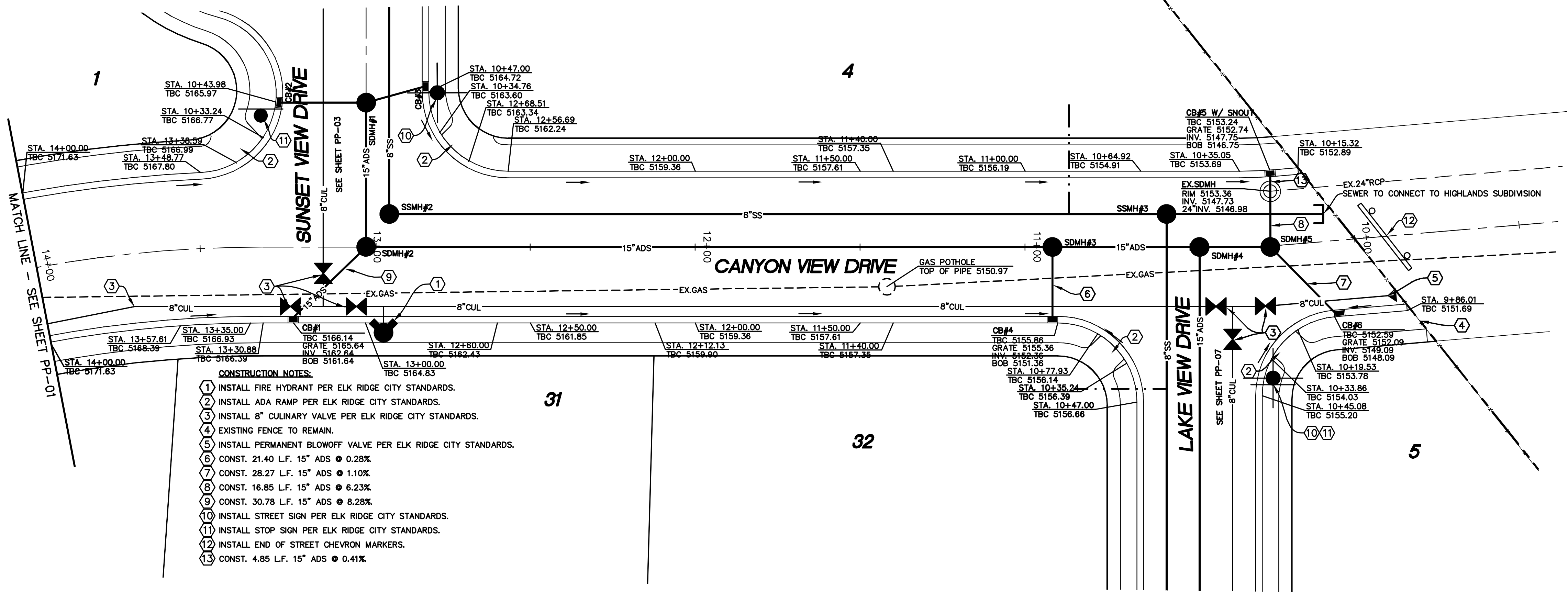
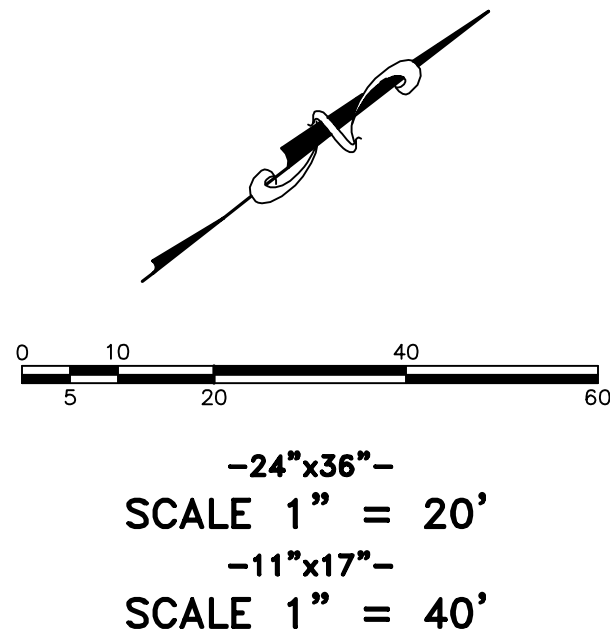
CANYON VIEW DRIVE  
STA. 14+00 TO STA. 18+00

LONGVIEW MEADOW  
ELK RIDGE, UTAH

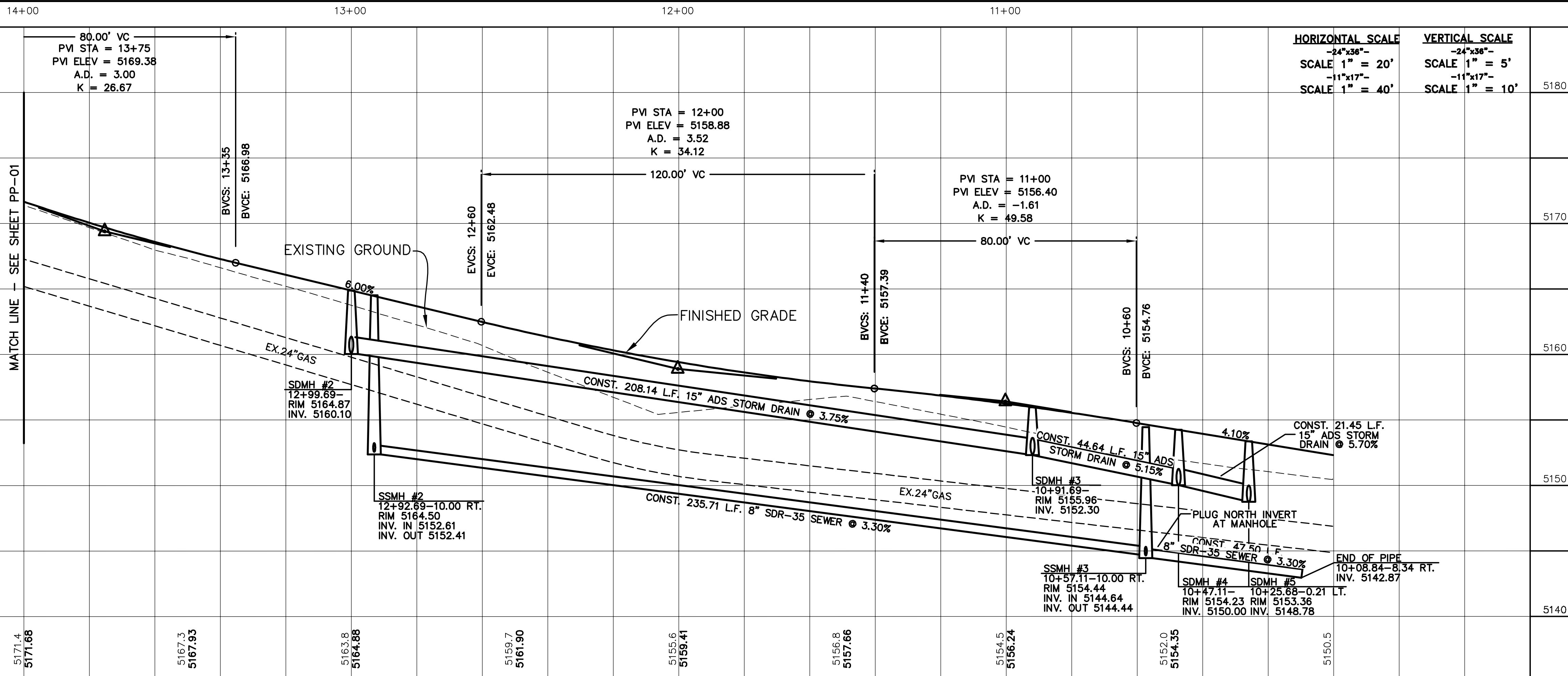
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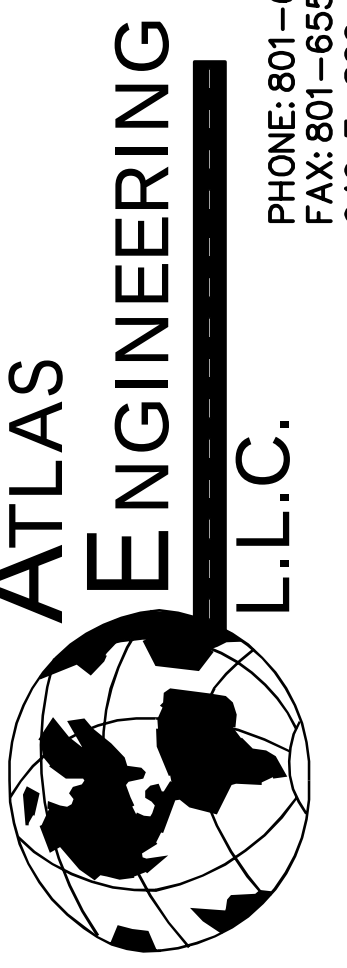


- CONSTRUCTION NOTES:**
1. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
  2. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
  3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
  4. EXISTING FENCE TO REMAIN.
  5. INSTALL PERMANENT BLOWOFF VALVE PER ELK RIDGE CITY STANDARDS.
  6. CONST. 21.40 L.F. 15" ADS @ 0.28%.
  7. CONST. 28.27 L.F. 15" ADS @ 1.10%.
  8. CONST. 16.85 L.F. 15" ADS @ 6.23%.
  9. CONST. 30.78 L.F. 15" ADS @ 8.28%.
  10. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
  11. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.
  12. INSTALL END OF STREET CHEVRON MARKERS.
  13. CONST. 4.85 L.F. 15" ADS @ 0.41%.



**HORIZONTAL SCALE**  
-24"x36"-  
SCALE 1" = 20'  
-11"x17"-  
SCALE 1" = 40'

**VERTICAL SCALE**  
-24"x36"-  
SCALE 1" = 5'  
-11"x17"-  
SCALE 1" = 10'



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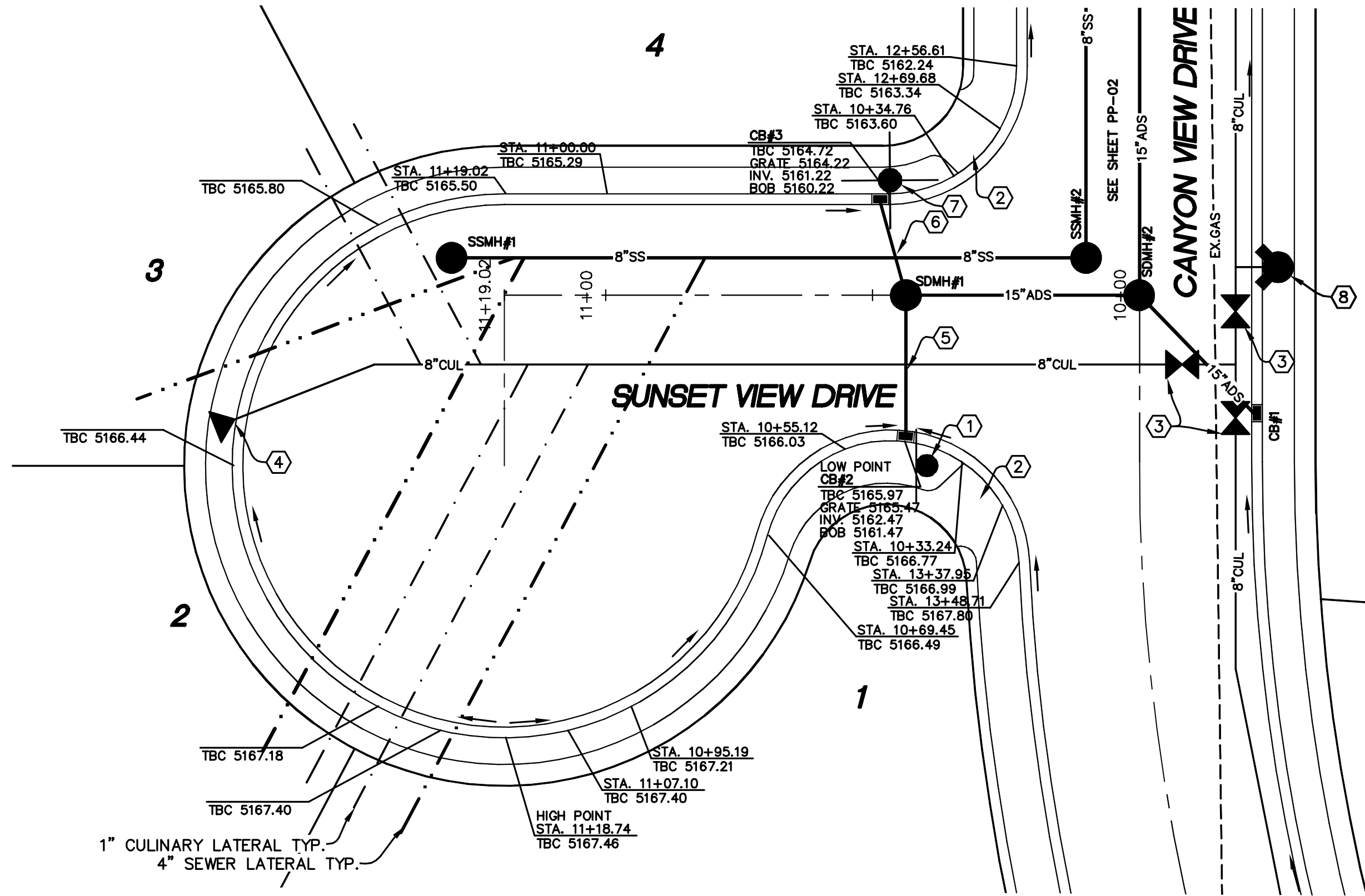
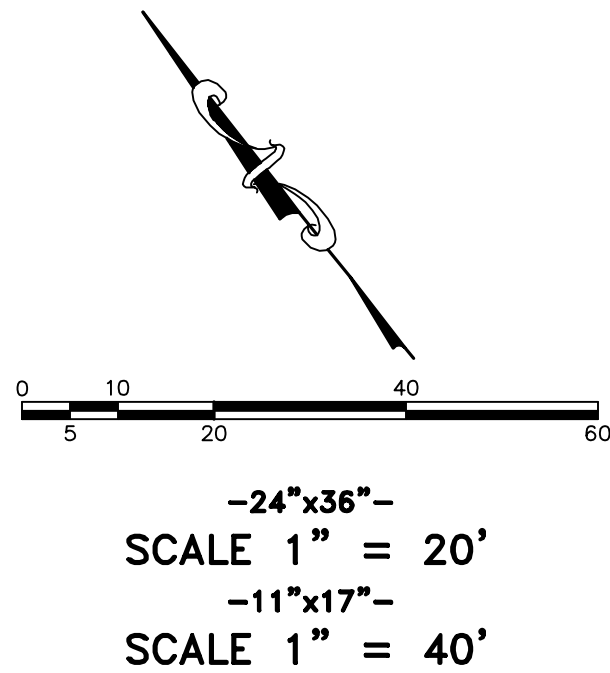
CANYON VIEW DRIVE  
STA. 10+00 TO STA. 14+00

LONGVIEW MEADOW  
ELK RIDGE, UTAH

SHEET NO.  
**PP-02**

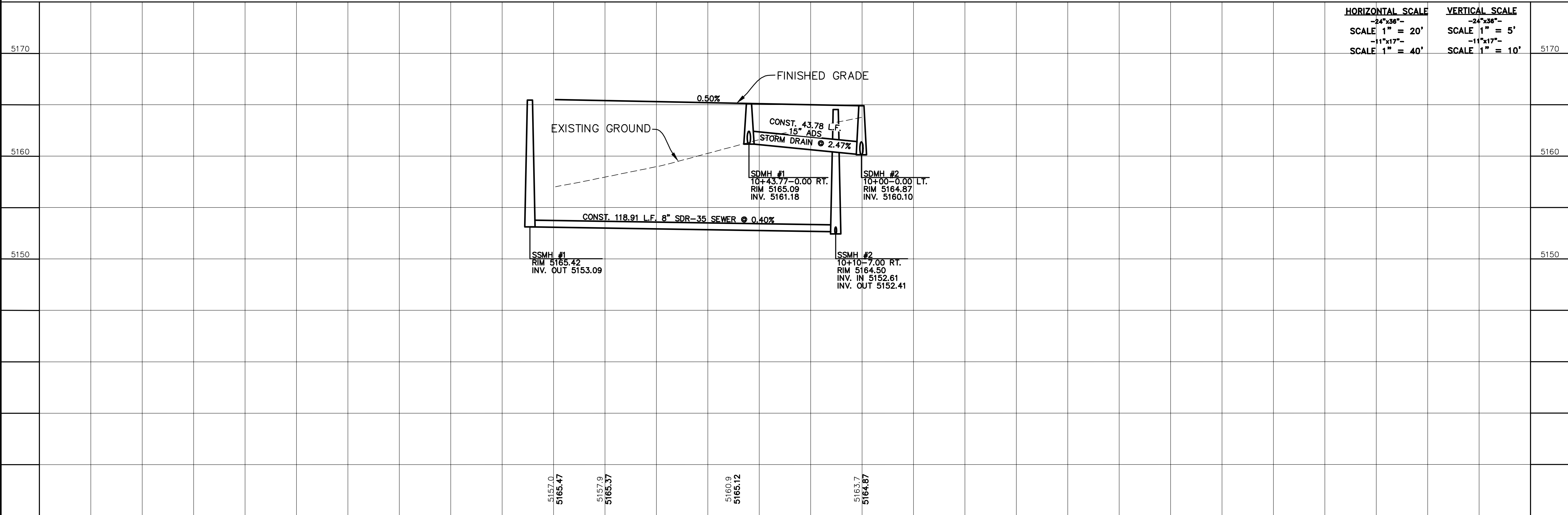
REVISIONS  
NO. DATE BY  
1 10/11/2023 JLM





- CONSTRUCTION NOTES:**
- 1) INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.
  - 2) INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
  - 3) INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
  - 4) INSTALL PERMANENT BLOW-OFF PER ELK RIDGE CITY STANDARDS.
  - 5) CONST. 25.81 L.F. 15"ADS STORM DRAIN @ 5.00%
  - 6) CONST. 18.05 L.F. 15"ADS STORM DRAIN @ 0.20%
  - 7) INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
  - 8) INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.

11+00 10+00



**HORIZONTAL SCALE**  
-24"x36"-  
SCALE 1" = 20'  
-11"x17"-  
SCALE 1" = 40'

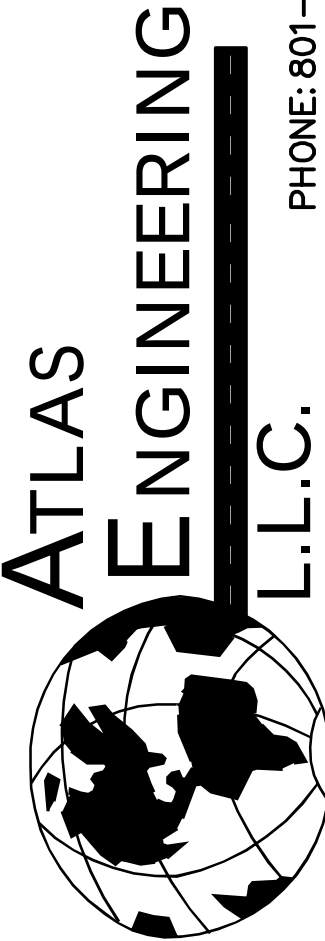
**VERTICAL SCALE**  
-24"x36"-  
SCALE 1" = 5'  
-11"x17"-  
SCALE 1" = 10'

SHEET NO.

PP-03

SUNSET VIEW DRIVE  
STA. 10+00 TO STA. 11+19.02

LONGVIEW MEADOW  
ELK RIDGE, UTAH



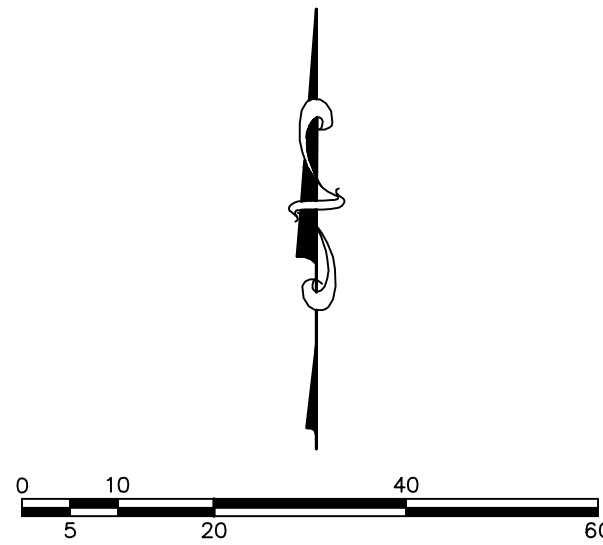
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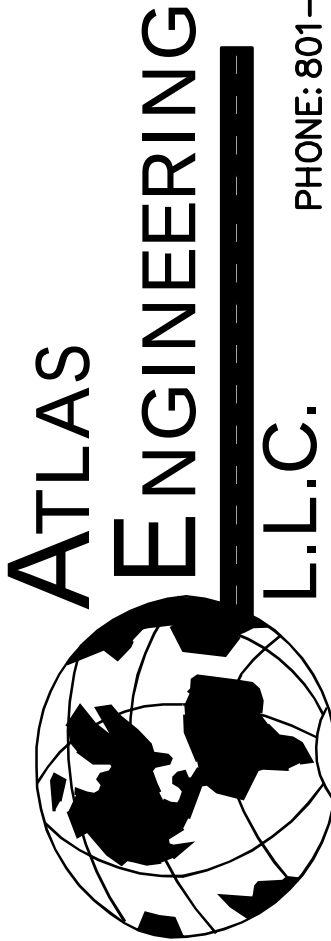
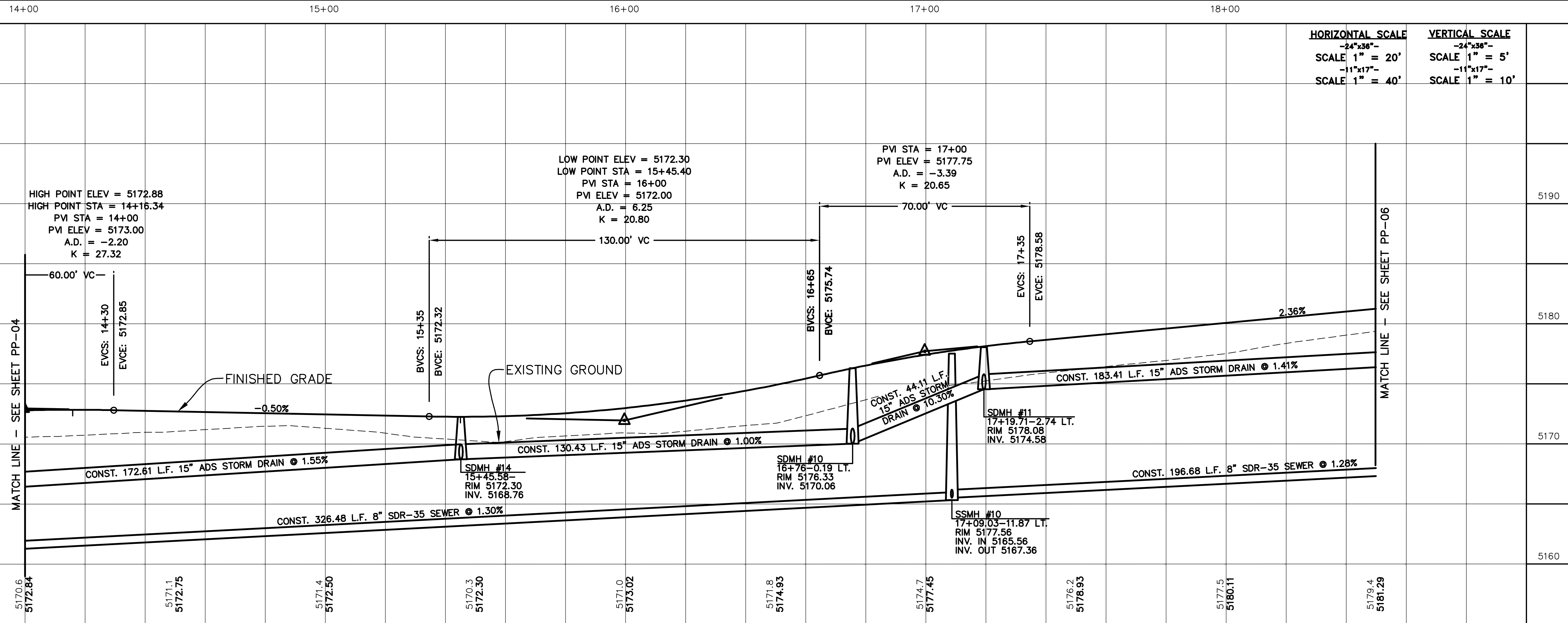
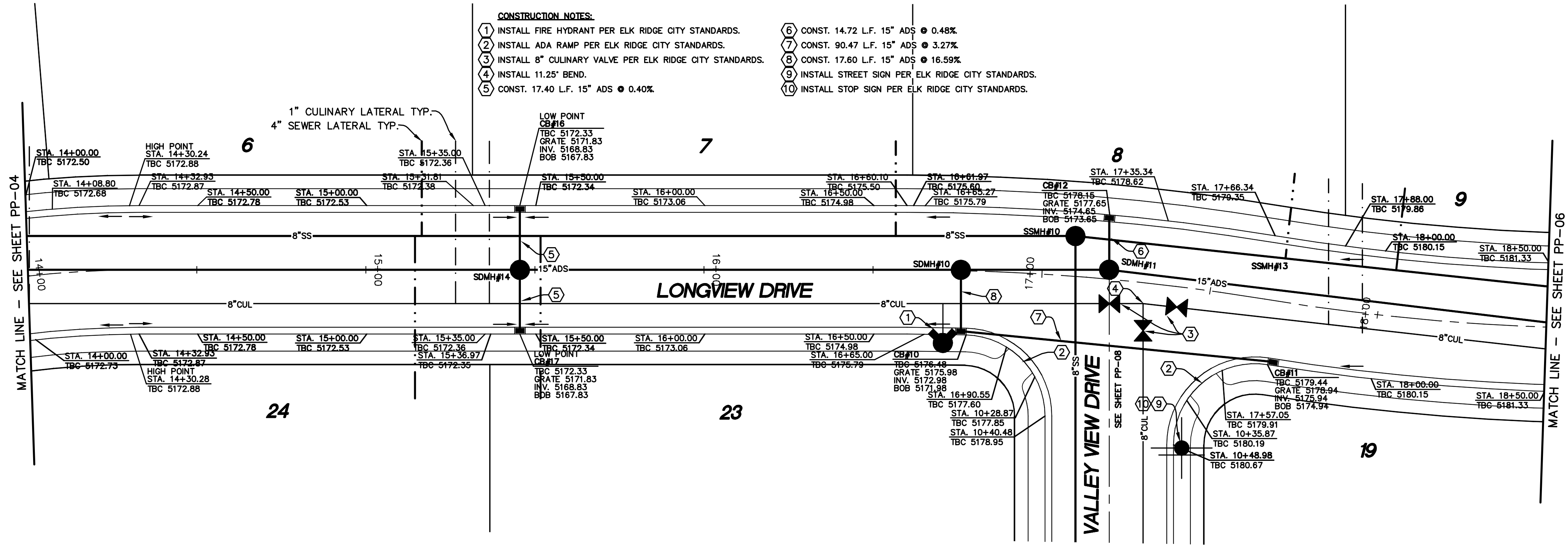








-24"x36"-  
SCALE 1" = 20'  
-11"x17"-  
SCALE 1" = 40'



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LONGVIEW DRIVE  
STA. 14+00 TO STA. 18+50

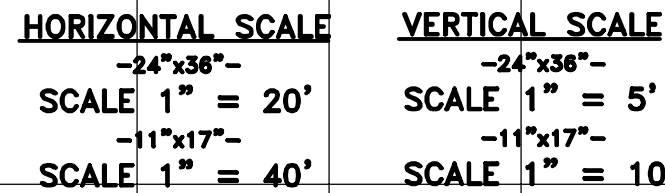
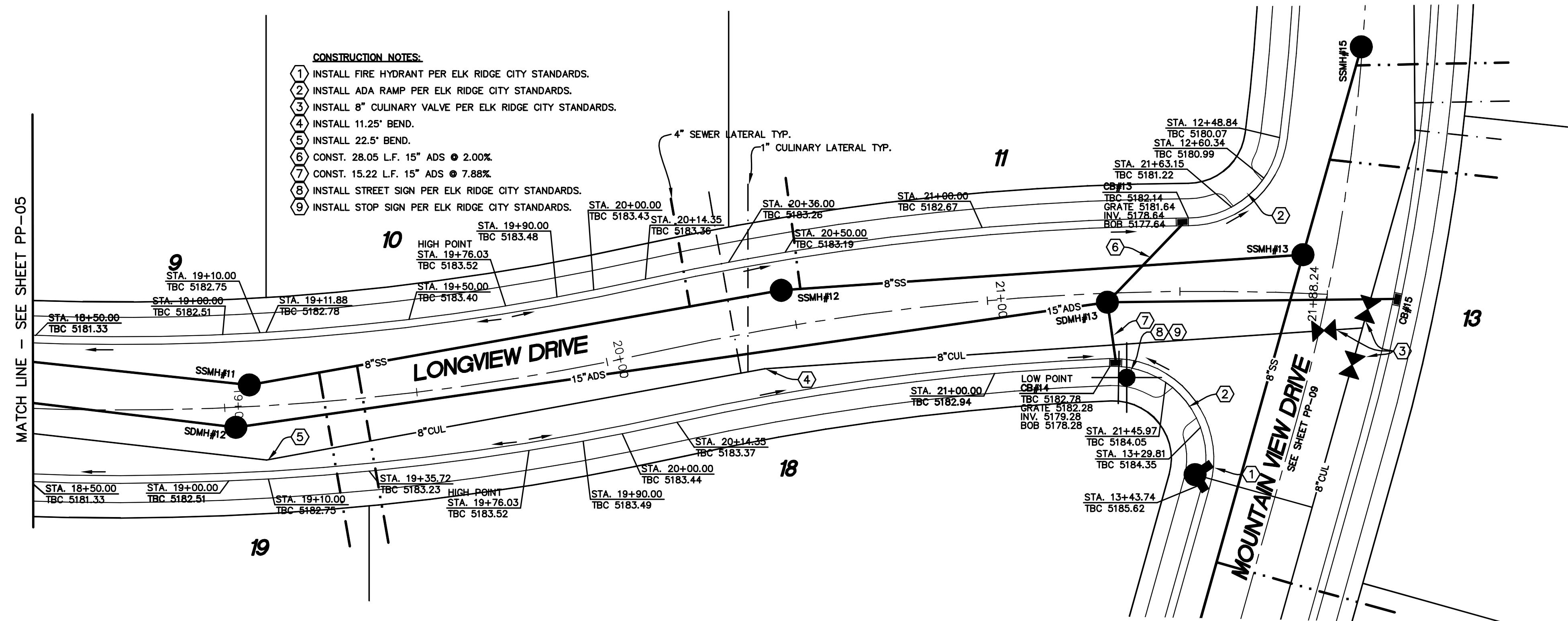
LONGVIEW MEADOW  
ELK RIDGE, UTAH

SHEET NO.

PP-05

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LONGVIEW MEADOW\ADMIN\PP-05.dwg





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946 E. 800 N. SUITE A  
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SHEET NO.

PP-06

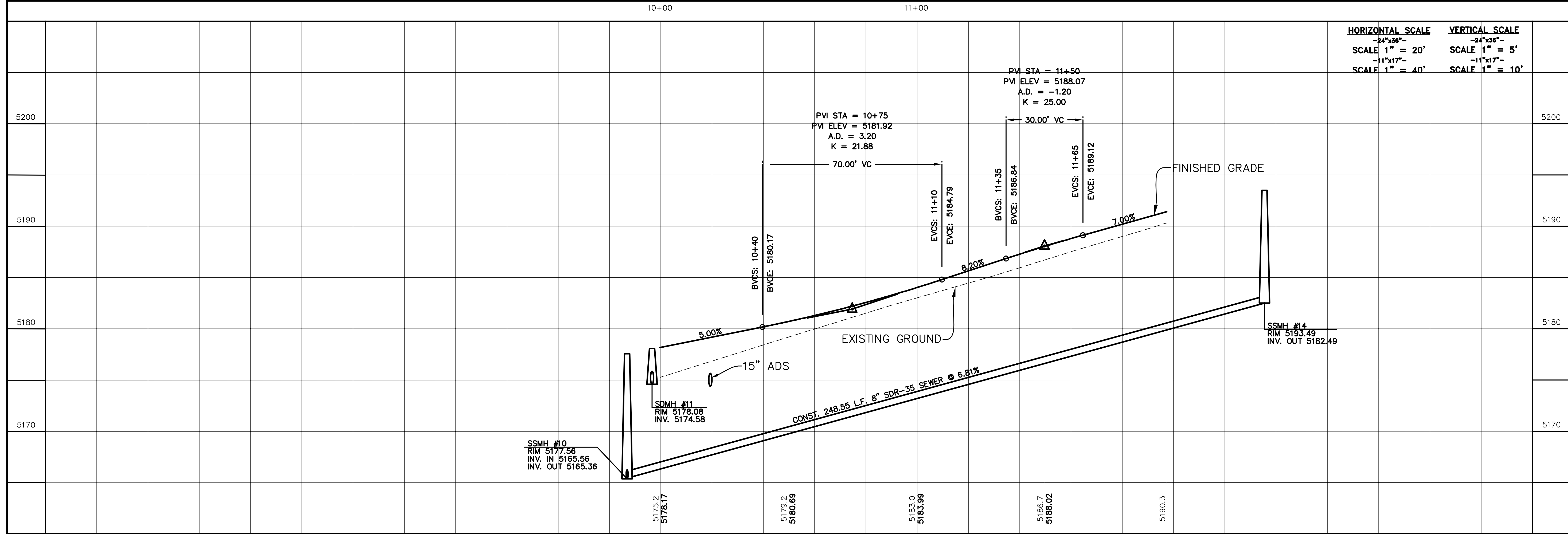
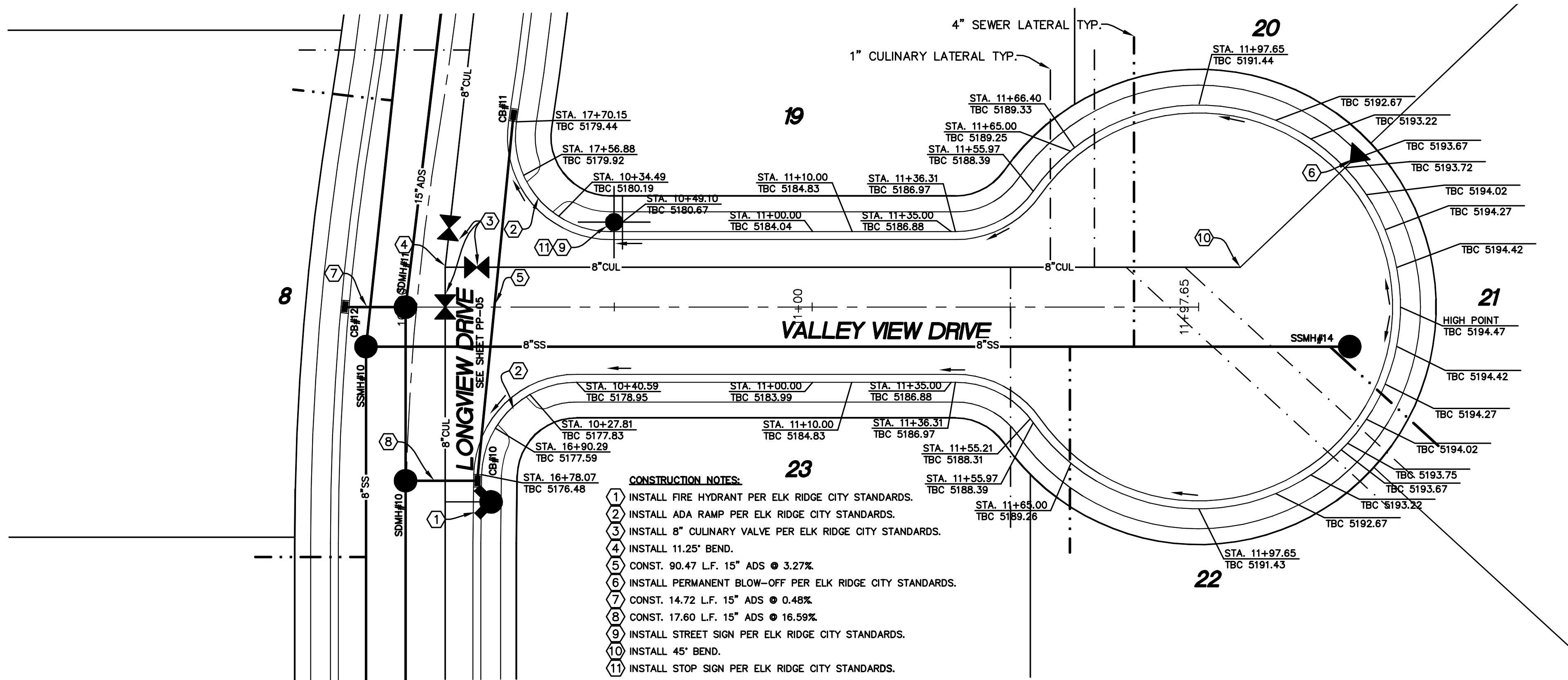
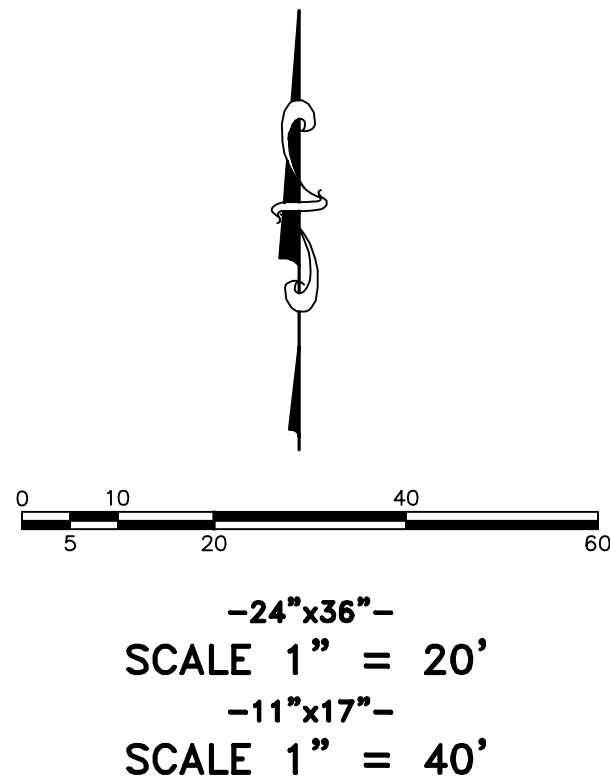
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| Z:\2021\21-028\Longview Meadow\CADD\FINAL\PP-06.dwg | 10/28/2022 | 3:08:25 PM |

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SHEET NO.

PP-08

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3

2

1

NO.

DATE

REVISIONS

10/28/2022

312:05 PM MDT

VALLEY VIEW DRIVE

STA. 10+00 TO STA. 11+97.65

LONGVIEW MEADOW

ELK RIDGE, UTAH

ATLAS ENGINEERING L.L.C.

PHONE: 801-655-0566

FAX: 801-655-0109

946 E. 800 N. SUITE A

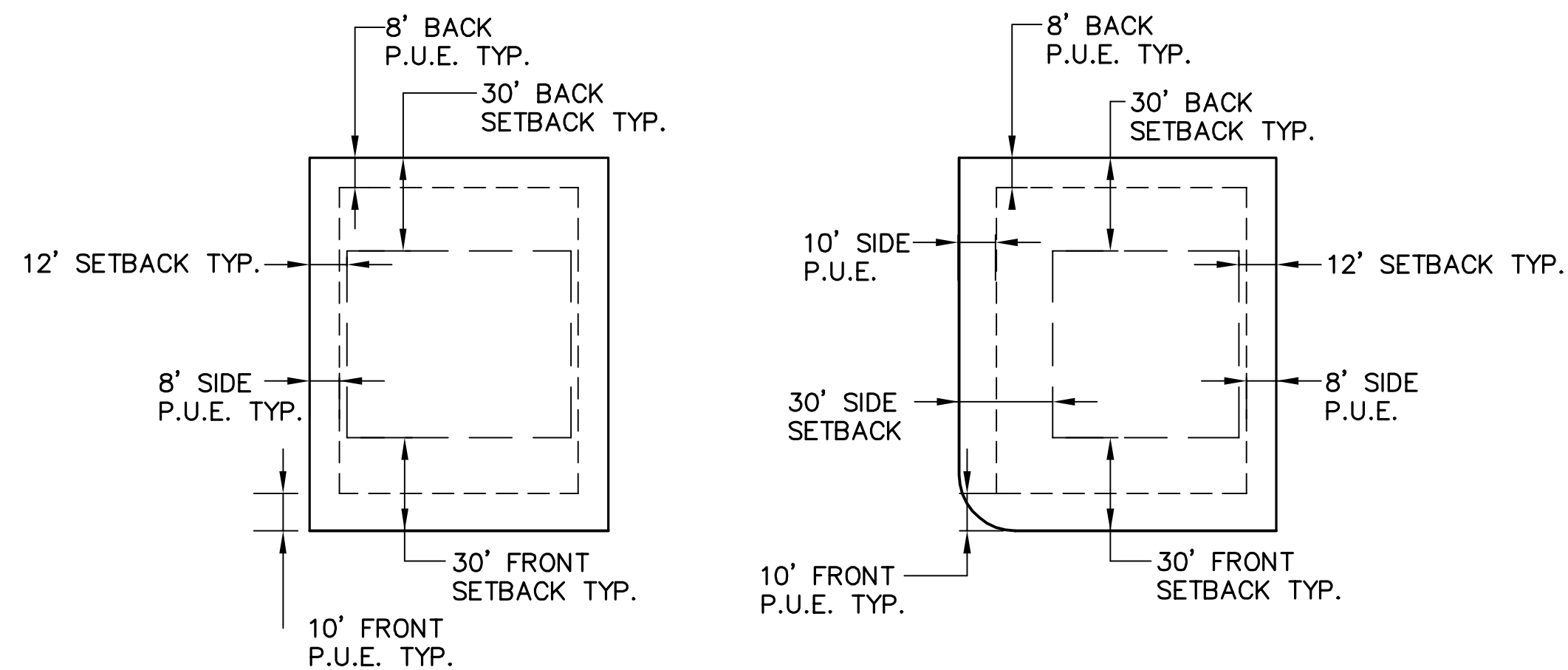
SPANISH FORK, UT 84660

(DATE STAMP)

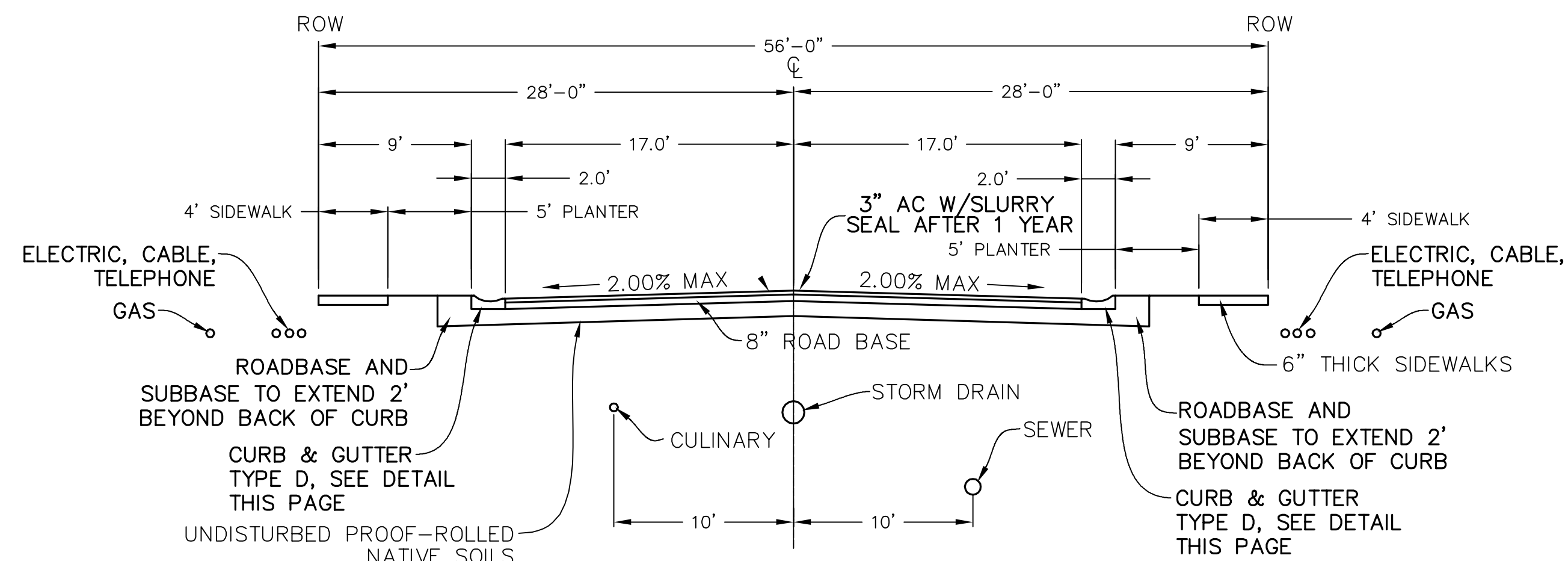






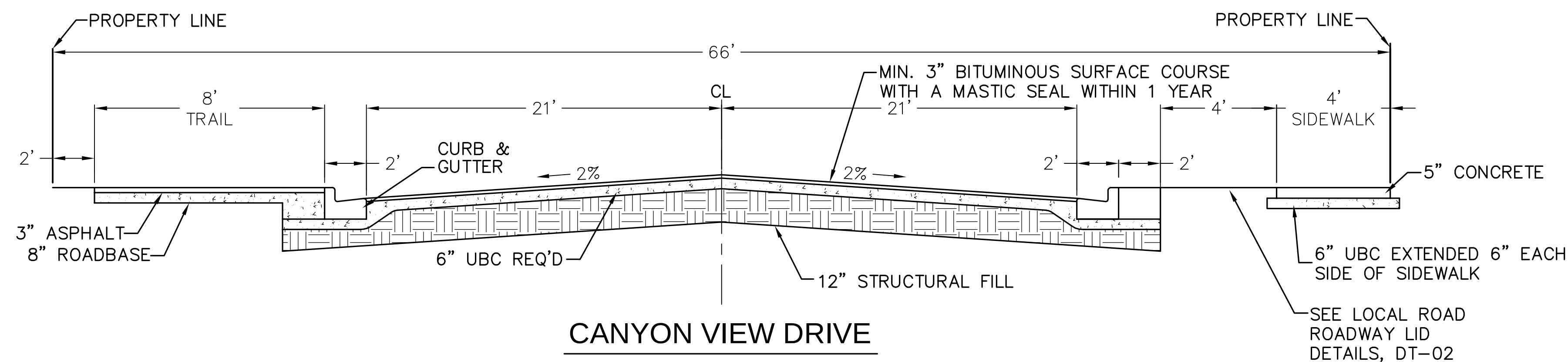


INTERIOR LOT  
CORNER LOT  
DETAIL - TYPICAL BUILDING SETBACK AND EASEMENT  
-NTS-

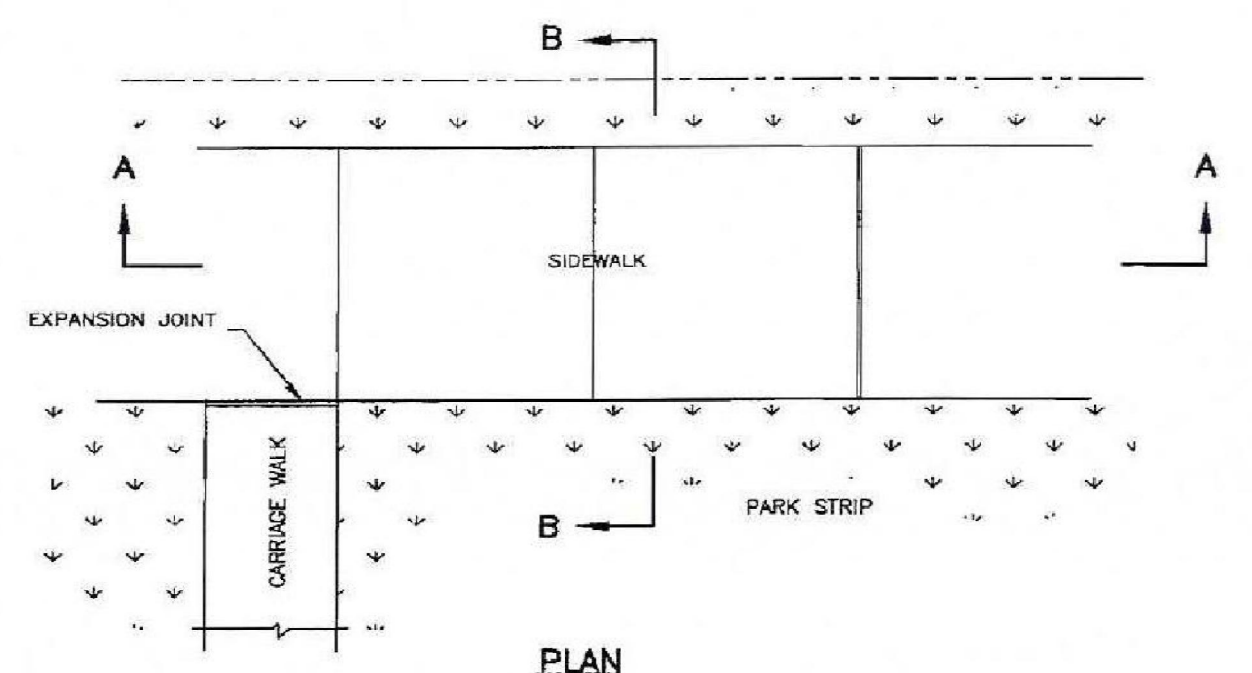


**NOTES:**  
1. ALL PAVEMENT DESIGN TO FOLLOW RECOMMENDATIONS OF GEOTECHNICAL REPORT PROJECT NO. 03278-001 BY IGES.  
2. BASED ON SECTION 6.2.4 OF GEOTECH REPORT PROJECT NO. 03278-001 BY IGES, ONCE TOPSOIL IS STRIPPED, MOST OF THE NATIVE SOILS ARE SUITABLE TO BE USED AS SUB-BASE WHEN PROPERLY SCARIFIED AND COMPACTED. THE SITE IS COVERED BY UP TO 12 TO 18 INCHES OF TOPSOIL COMPRISED OF LEAN CLAY. TOPSOIL MAY NOT BE USED AS STRUCTURAL FILL; THIS MATERIAL MUST BE KEPT SEGREGATED FROM OTHER SOILS INTENDED TO BE USED AS STRUCTURAL FILL.

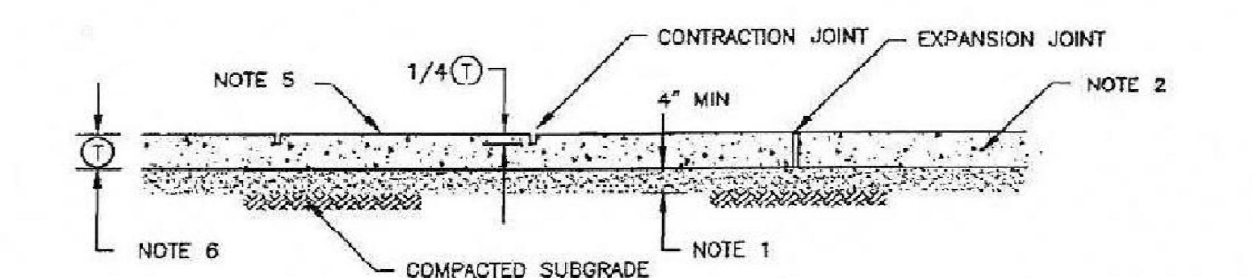
DETAIL - TYPICAL 56' RIGHT-OF-WAY STREET SECTION  
-NTS-



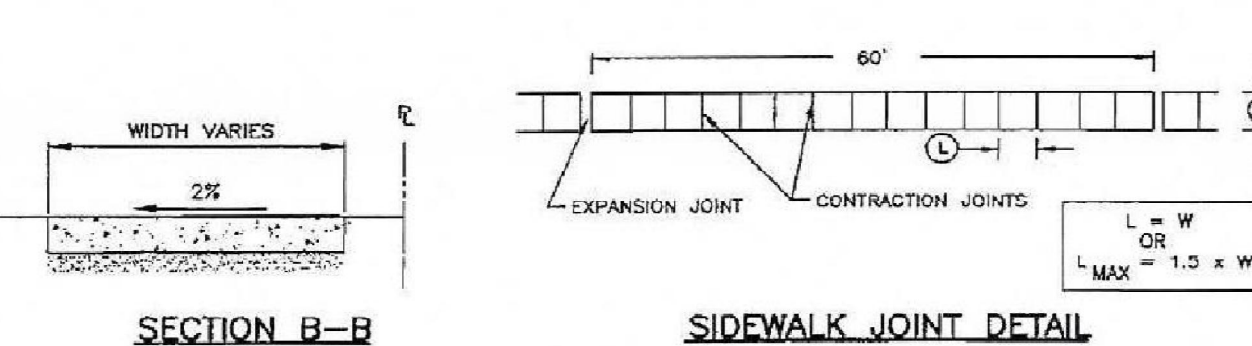
CANYON VIEW DRIVE  
-NTS-



PLAN



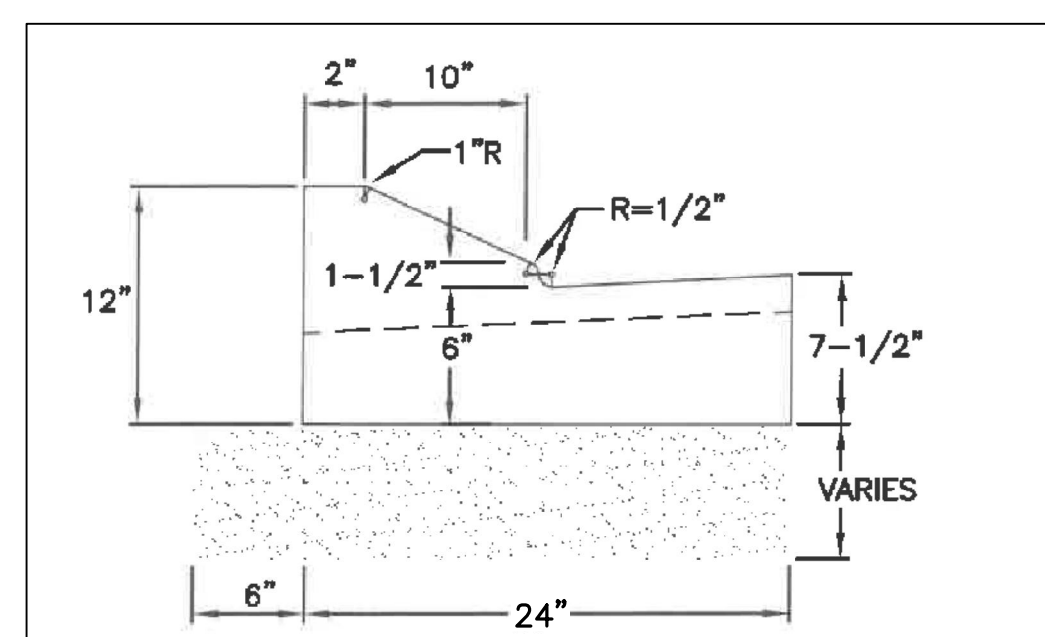
SECTION A-A



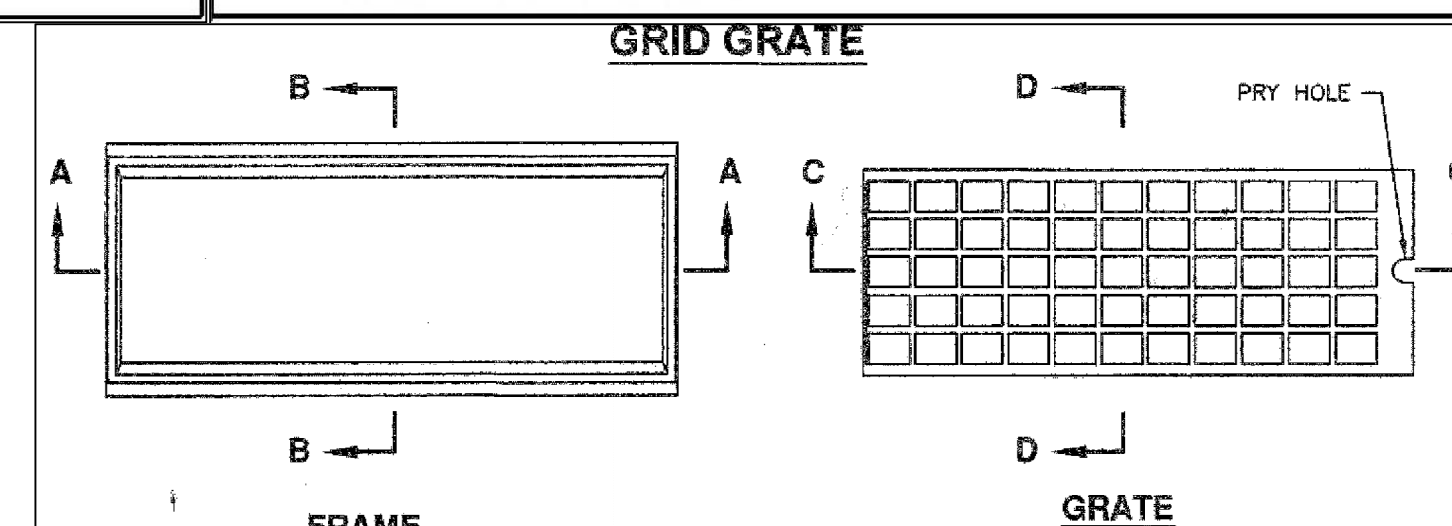
Concrete sidewalk

# CONCRETE SIDEWALK STANDARD

1. UNTREATED BASE COURSE: Provide material specified in APW A Section 02060. Do not use gravel or sewer rock. Place per APWA Section 02322. Compact per APWA Section 02324 to a modified proctor density of 95-percent or greater. Maximum lift thickness is 8-inches before compaction.
2. CONCRETE: Class 4000 per APWA Section 03304. Place per APWA Section 02770. Cure per APWA Section 03390.
  - A. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution, however, as spider cracks develop if air temperature exceeds 90 degrees F.
  - B. Unless shown otherwise, provide 1/2-inch radius on concrete edges exposed to public view.
3. FINISH: Fine hair broom on longitudinal grades under 6% and rough hair broom on longitudinal grades over 6%.
4. DEPTH OF SIDEWALK (T):
  - A. New construction: Nominal 6" in residential zones, 8" in non-residential zones.
  - B. Removal and replacement construction: Match existing.

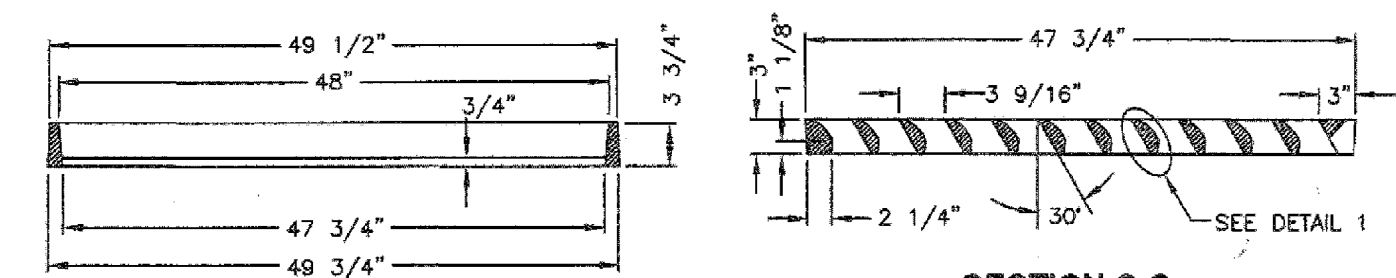


TYPE D MODIFIED CURB  
-NTS-



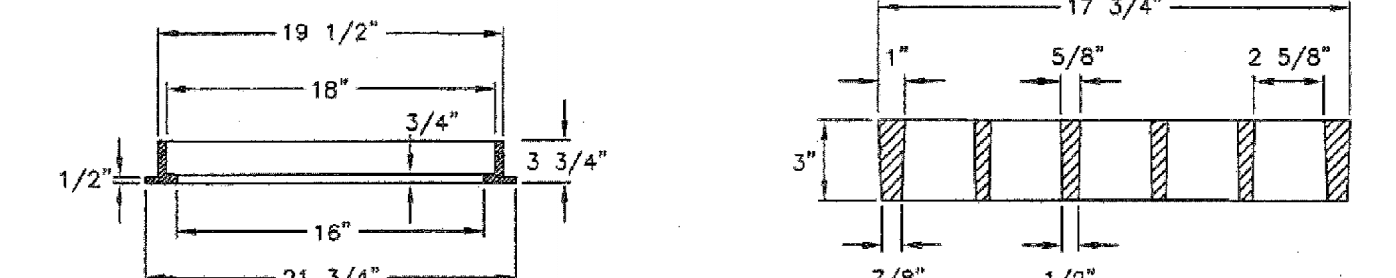
FRAME

GRATE



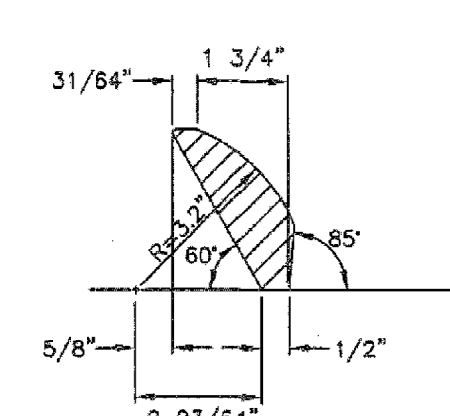
SECTION A-A

SECTION C-C



SECTION B-B

SECTION D-D



DETAIL 1

47 3/4" Grate and frame

Plan  
309.2  
June 2006



PHONE: 801-655-0566  
FAX: 801-655-0109  
946 E 800 N SUITE A  
SPANISH FORK, UT 84660

(DATE STAMP)

SHEET NO.

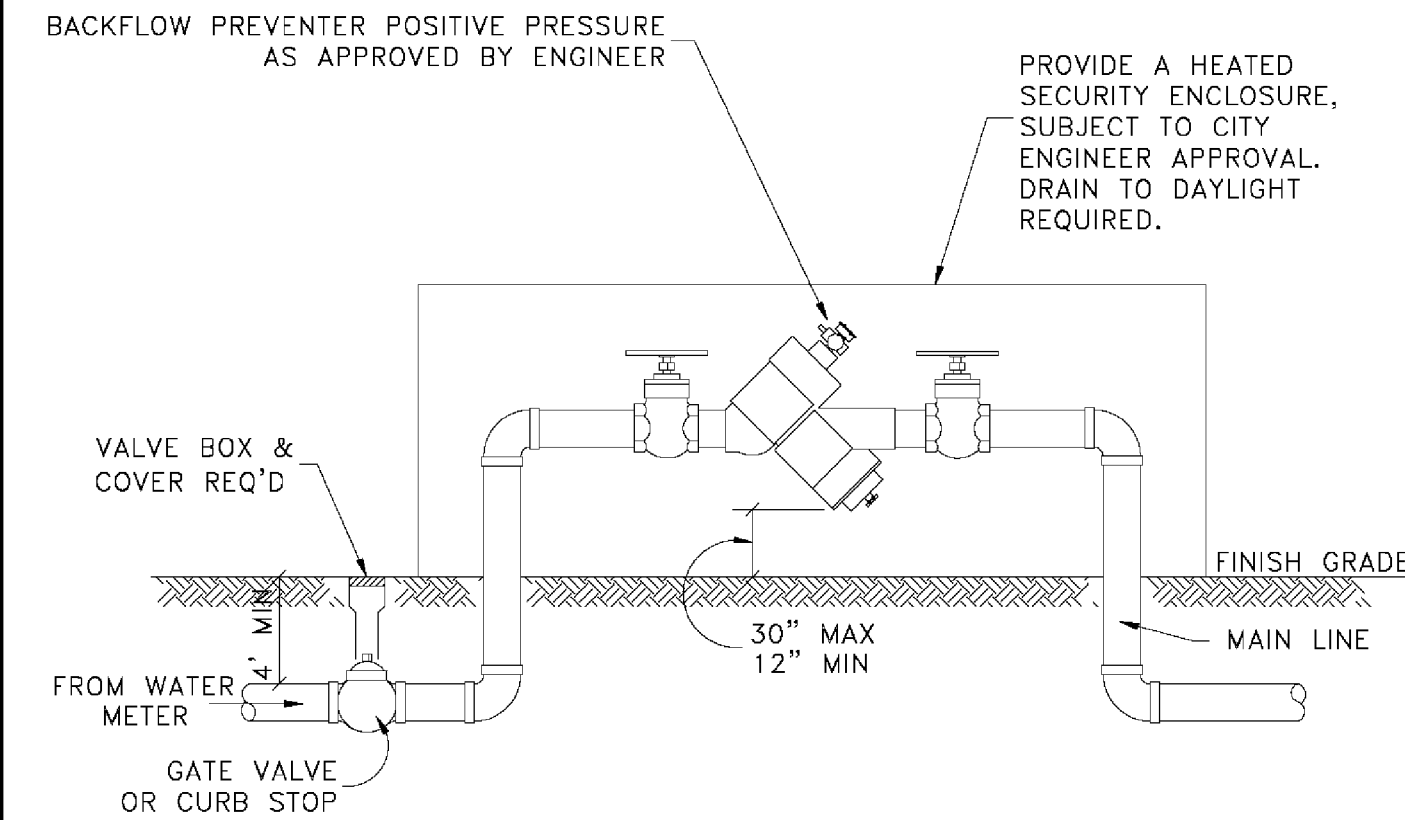
DT-01

DETAIL SHEET

LONGVIEW MEADOW  
ELK RIDGE, UTAH

| NO. | REVISIONS | DATE       | BY           |
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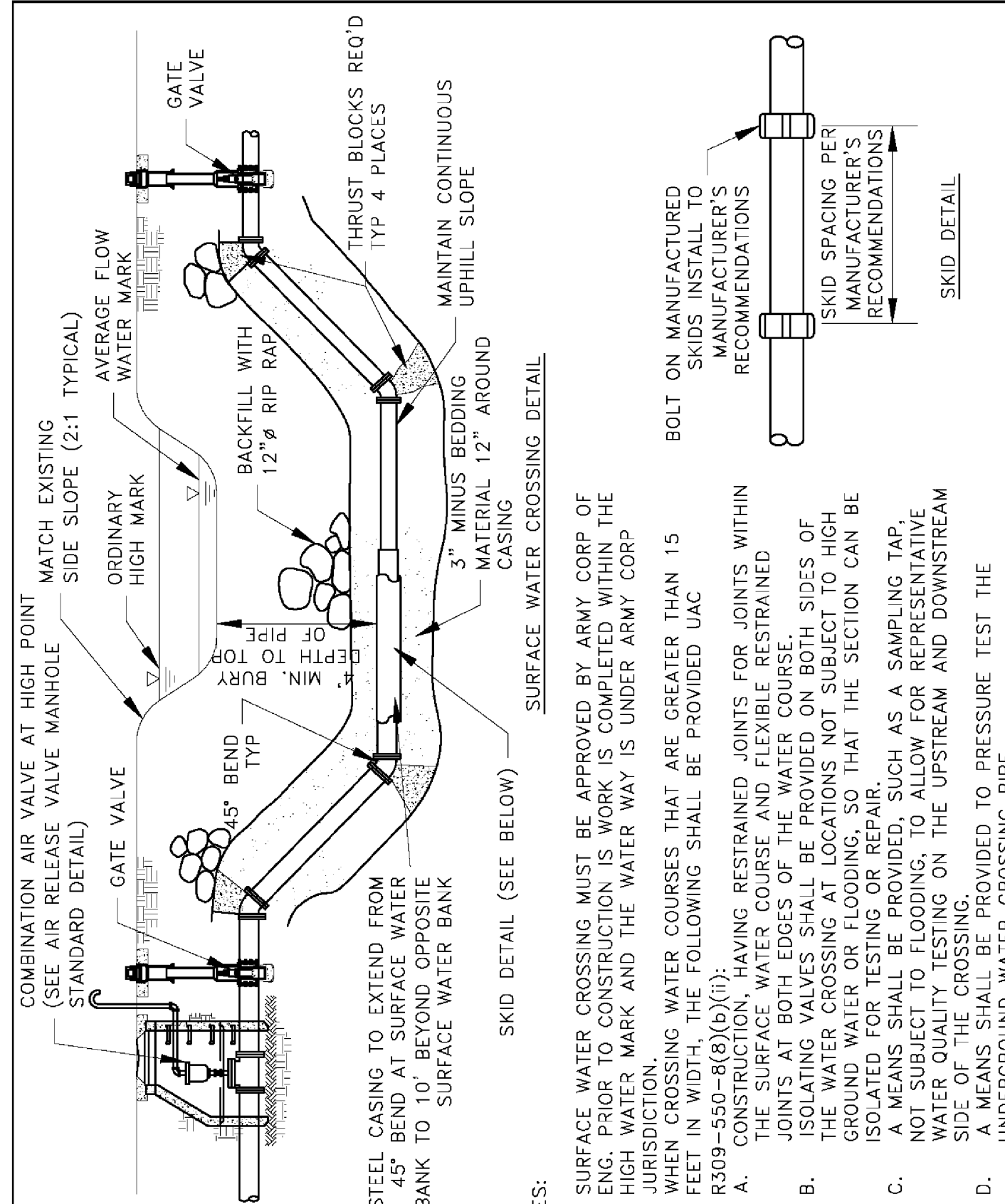




#### NOTES:

1. ALL PIPES, FITTING & APPURTENANCES SHALL BE NSF-61 CERTIFIED AND TO CONFORM TO AWWA STANDARDS C104-A21.4 THROUGH C550, LATEST EDITIONS AND C900 THROUGH C905, LATEST EDITIONS. [UAC R309-550-6 (3)]
2. ALL NEW OR REPLACED WATER LINES SHALL BE FLUSHED & DISINFECTED PER AWWA STANDARD C651 LATEST EDITION.

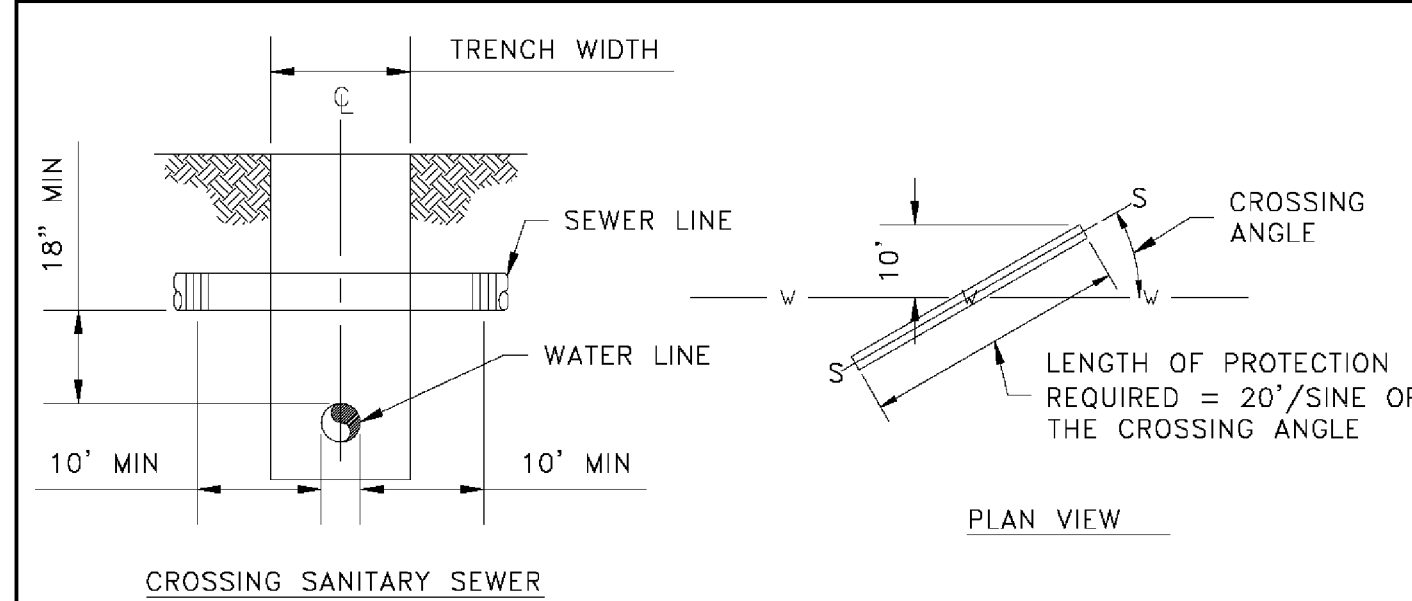
### CITY OF ELK RIDGE TYPICAL BACKFLOW PREVENTER INSTALLATION



#### NOTES:

1. SURFACE WATER CROSSING MUST BE APPROVED BY ARMY CORP OF ENG. PRIOR TO CONSTRUCTION. WORK IS COMPLETED WITHIN THE JURISDICTION MARK AND THE WATER WAY IS UNDER ARMY CORP. WHEN CROSSING WATER COURSES THAT ARE GREATER THAN 15 FEET IN WIDTH, THE FOLLOWING SHALL BE PROVIDED UAC R309-550-8(8)(b)(ii):
  - A. CONSTRUCTION, HAVING RESTRAINED JOINTS FOR JOINTS WITHIN THE SURFACE WATER COURSE AND FLEXIBLE RESTRAINED JOINTS AT BOTH EDGES OF THE SURFACE WATER COURSE. THE JOINTS SHALL BE PROVIDED AT LOCATIONS NOT SUBJECT TO HIGH GROUND WATER OR FLOODING, SO THAT THE SECTION CAN BE ISOLATED FOR TESTING OR REPAIR.
  - B. A MEANS SHALL BE PROVIDED, SUCH AS A SAMPLING TAP, NOT SUBJECT TO FLOODING, TO ALLOW FOR REPRESENTATIVE SAMPLING OF THE CROSSING.
  - C. A MEANS SHALL BE PROVIDED TO PRESSURE TEST THE UNDERGROUND WATER CROSSING PIPE.
  - D.
2. BOLT ON MANUFACTURED SKIDS INSTALL TO MANUFACTURER'S RECOMMENDATIONS. SKID SPACING PER MANUFACTURER'S RECOMMENDATIONS.

### CITY OF ELK RIDGE SURFACE WATER CROSSING FOR WATER & SEWER

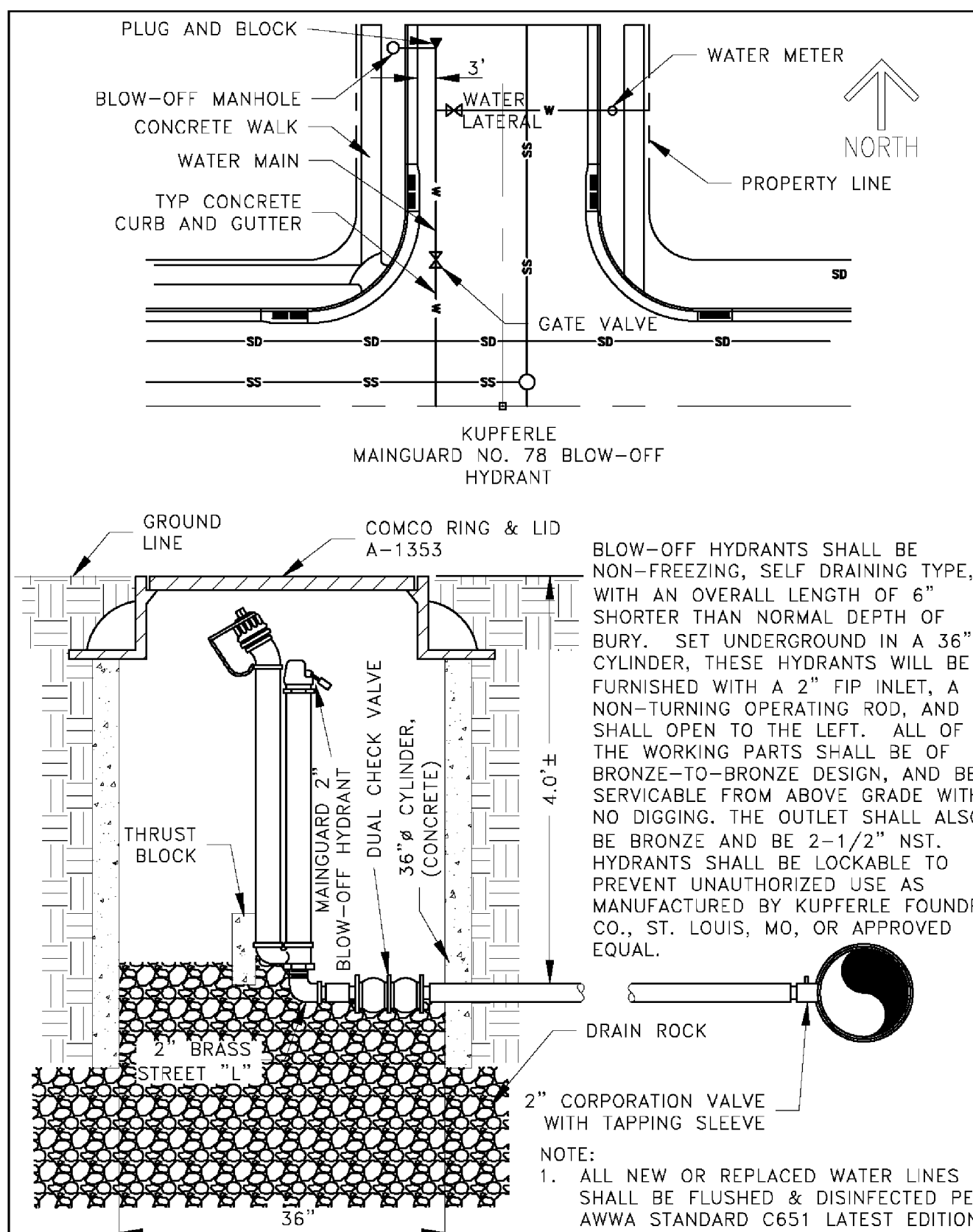


FOR NEW SANITARY SEWER LINE CONSTRUCTION WHEN SANITARY SEWER LINE IS ABOVE THE WATER LINE, INSTALL SEWER LINE WITH ONE OF THE FOLLOWING: CAST IRON, DUCTILE IRON, GALVANIZED STEEL, OR PROTECTED STEEL PIPE WITH MECHANICAL JOINTS FOR THE MINIMUM DISTANCE OF 10 FEET ON EITHER SIDE OF WATER CROSSING. THE LINES SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING. (SEE NOTE #1)

#### GENERAL NOTES:

- 1- WATER AND SANITARY SEWER SEPARATIONS SHALL COMPLY WITH UAC
- 2- IN ALL CASES, PROVIDE 18" MIN. OF VERTICAL SEPARATION BETWEEN WATER, SANITARY SEWER LINES. WHEN SEPARATION CAN NOT BE OBTAINED, AN EXCEPTION CAN BE APPLIED FOR WITH ADDITIONAL MEASURES TO PROTECT PUBLIC HEALTH, IN ACCORDANCE WITH UAC R309-105-6(2)(B).
- 3- IF WATER LINE IS 18" OR GREATER ABOVE THE SEWER LINE OR STORM DRAIN LINE, NO SPECIAL CONSTRUCTION IS REQUIRED.
- 4- ALL PROVISIONS ABOVE SHALL APPLY FOR CROSSINGS OTHER THAN 90° TO THE POINT AT WHICH THE 10° SEPARATION BETWEEN THE WATER AND SANITARY SEWER LINE IS ACHIEVED (10°/SINE OF CROSSING ANGLE).
- 5- FOR PURPOSES OF SEPARATIONS AND PROTECTION OF THE WATER SUPPLY, A RECLAIMED WATER LINE SHALL BE CONSIDERED A SANITARY SEWER LINE.
- 6- WHEN A SANITARY SEWER FORCE MAIN CROSSES UNDER AN EXISTING WATER MAIN, ALL PORTIONS OF THE SEWER FORCE MAIN WITHIN 10 FEET (HORIZONTALLY) OF THE WATER MAIN SHALL BE ENCLOSED IN A CONTINUOUS SLEEVE.
- 7- WHEN A NEW WATER MAIN CROSSES OVER AN EXISTING SEWER FORCE MAIN, THE WATER MAIN SHALL BE CONSTRUCTED OF PIPE MATERIALS WITH A MINIMUM RATED WORKING PRESSURE OF 200 PSI OR EQUIVALENT PRESSURE RATING.

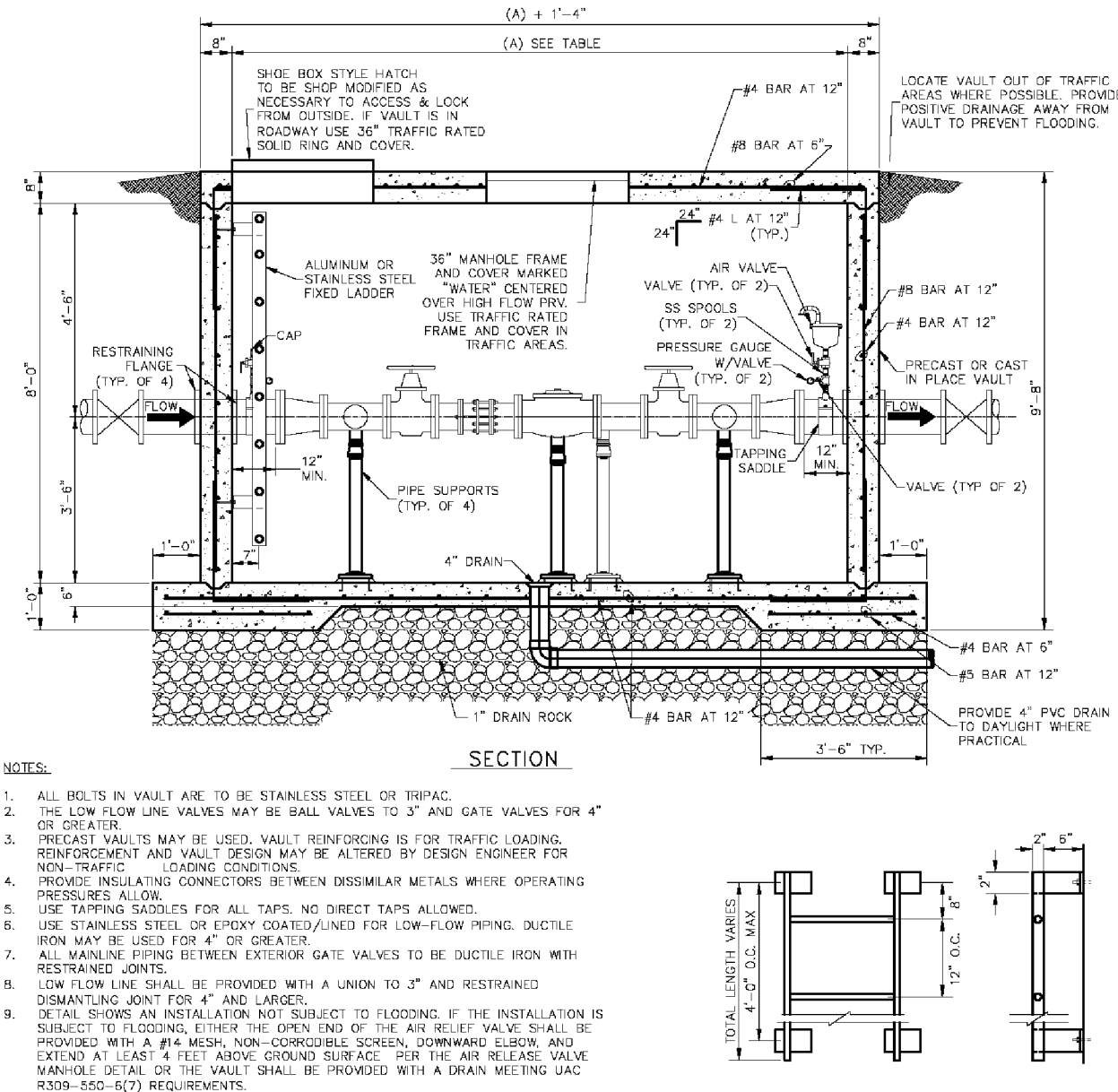
### CITY OF ELK RIDGE SANITARY SEWER CROSSINGS



#### NOTE:

1. ALL NEW OR REPLACED WATER LINES SHALL BE FLUSHED & DISINFECTED PER AWWA STANDARD C651 LATEST EDITION

### CITY OF ELK RIDGE 2" BLOW-OFF INSTALLATION



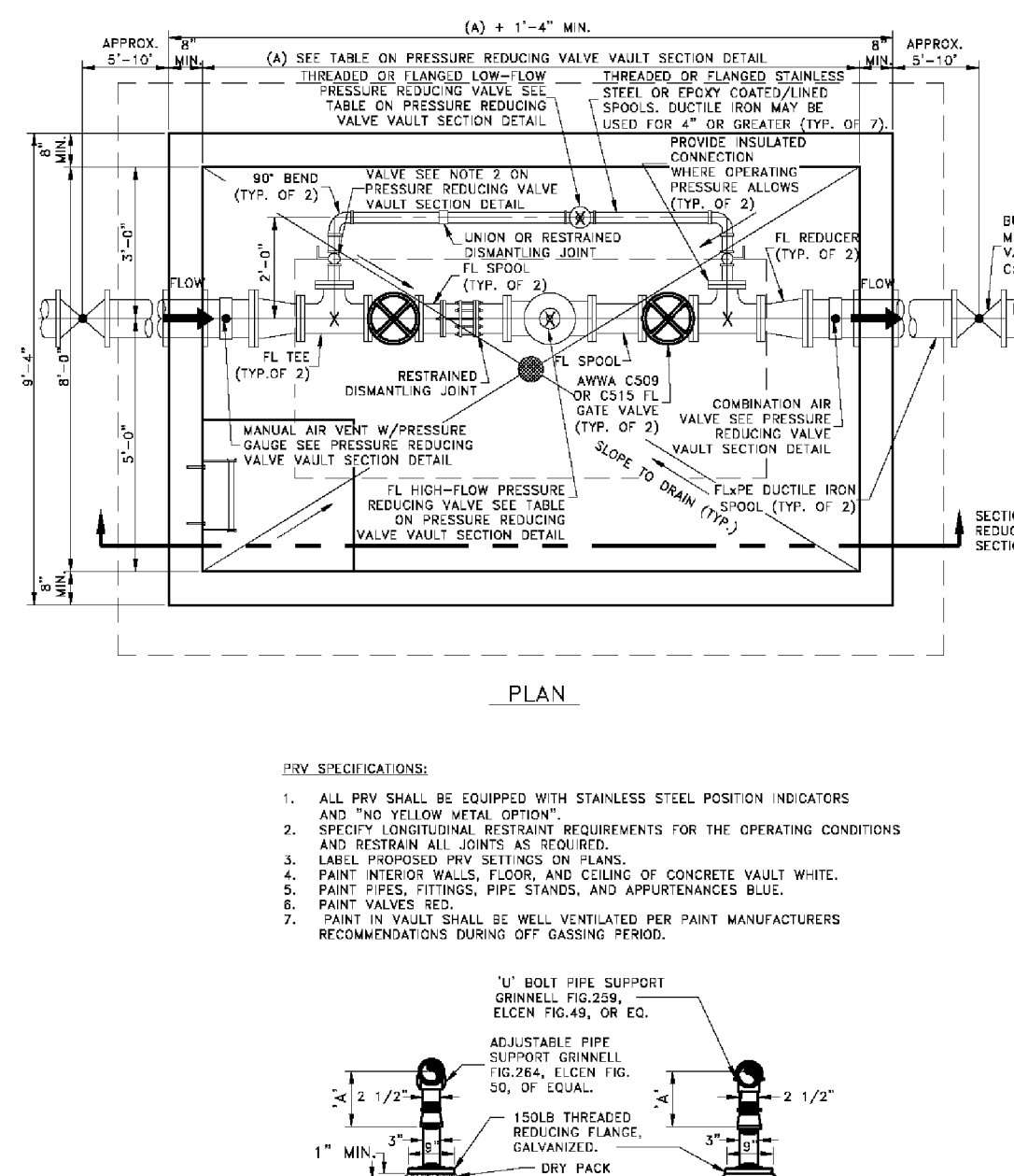
#### NOTES:

1. ALL BOLTS IN VAULT ARE TO BE STAINLESS STEEL OR TRIPAL.
2. THE LOW FLOW LINE VALVES MAY BE BALL VALVES TO 3" AND GATE VALVES FOR 4" OR GREATER.
3. BREAKFAST VALVES MAY BE USED VALVE REMOVING FOR TRAFFIC LOADING, REINFORCEMENT AND VAULT DESIGN MAY BE ALTERED BY DESIGN ENGINEER FOR NON-TRAFFIC LOADING CONDITIONS.
4. PROVIDE INSULATING CONNECTIONS BETWEEN DISSIMILAR METALS WHEN OPERATING PRESSURES ALLOW.
5. USE SHIFTER RODS FOR ALL TAPS. NO DIRECT TAP ALLOWED.
6. USE STAINLESS STEEL OR EPOXY COATED/PAINTED FOR LOW-FLOW PIPING. DUCTILE IRON MAY BE USED FOR 4" OR GREATER.
7. ALL MANLINE PIPING BETWEEN EXTERIOR GATE VALVES TO BE DUCTILE IRON WITH RESTRAINED JOINTS.
8. LOW FLOW LINE SHALL BE PROVIDED WITH A UNION TO 3" AND RESTRAINED DISMANTLING JOINT FOR 4" AND LARGER.
9. DETAIL SHOWS AN INSTALLATION NOT SUBJECT TO FLOODING. IF THE INSTALLATION IS SUBJECT TO FLOODING, EITHER THE OPEN END OF THE AIR RELIEF VALVE SHALL BE PROVIDED WITH A #14 MESH NON-CORRODIBLE SCREEN, DOWNWARD SLOPE AND CLOSURE AT LEAST 6 FEET ABOVE GROUND SURFACE, FOR THE AIR RELEASE VALVE. DETAIL OF THE AIR OF THE VAULT SHALL BE PROVIDED WITH A DRAIN WEETING AND R309-550-8(2) REQUIREMENT.

#### LADDER DETAILS

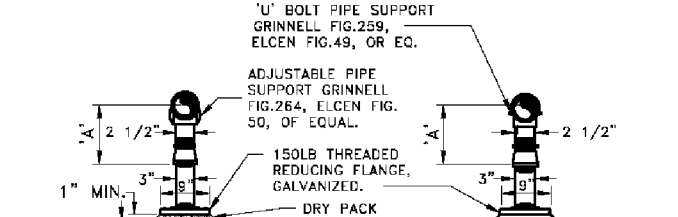
| MAIN SIZE | PRV HIGH FLOW SIZE | PRV LOW FLOW SIZE | MANUAL AIR VENT | VAULT LENGTH (A) |
|-----------|--------------------|-------------------|-----------------|------------------|
| 8"        | 8"                 | 3"                | 1"              | 14'-0"           |
| 10"       | 8"                 | 4"                | 1 1/2"          | 14'-0"           |
| 12"       | 10"                | 5"                | 2"              | 10'-0"           |
| 14"       | 12"                | 6"                | 3"              | 16'-0"           |

### CITY OF ELK RIDGE PRESSURE REDUCING VALVE VAULT SECTION



#### PRV SINKER/ANCHORS:

1. ALL PRV SHALL BE EQUIPPED WITH STAINLESS STEEL POSITION INDICATORS AND TWO YELLOW WELD OPTION.
2. SAFETY: CONSTRUCTION REQUIREMENTS FOR THE OPERATING CONDITIONS AND RESTRAIN ALL JOINTS AS REQUIRED.
3. LABEL: PROVIDE PRV SETTINGS ON PLANS.
4. PAINT: INTERIOR WALLS, FLOORS, AND CEILING OF CONCRETE MUST BE WHITE. PAINT FITS, FITTINGS, PIPE STANDS, AND APPURTENANCES BLUE.
5. PAINT: WALLS RED.
6. PAINT: IN VAULT SHALL BE WELL VENTILATED PER PAINT MANUFACTURERS RECOMMENDATIONS DURING OFF GASEING PERIOD.
- 7.

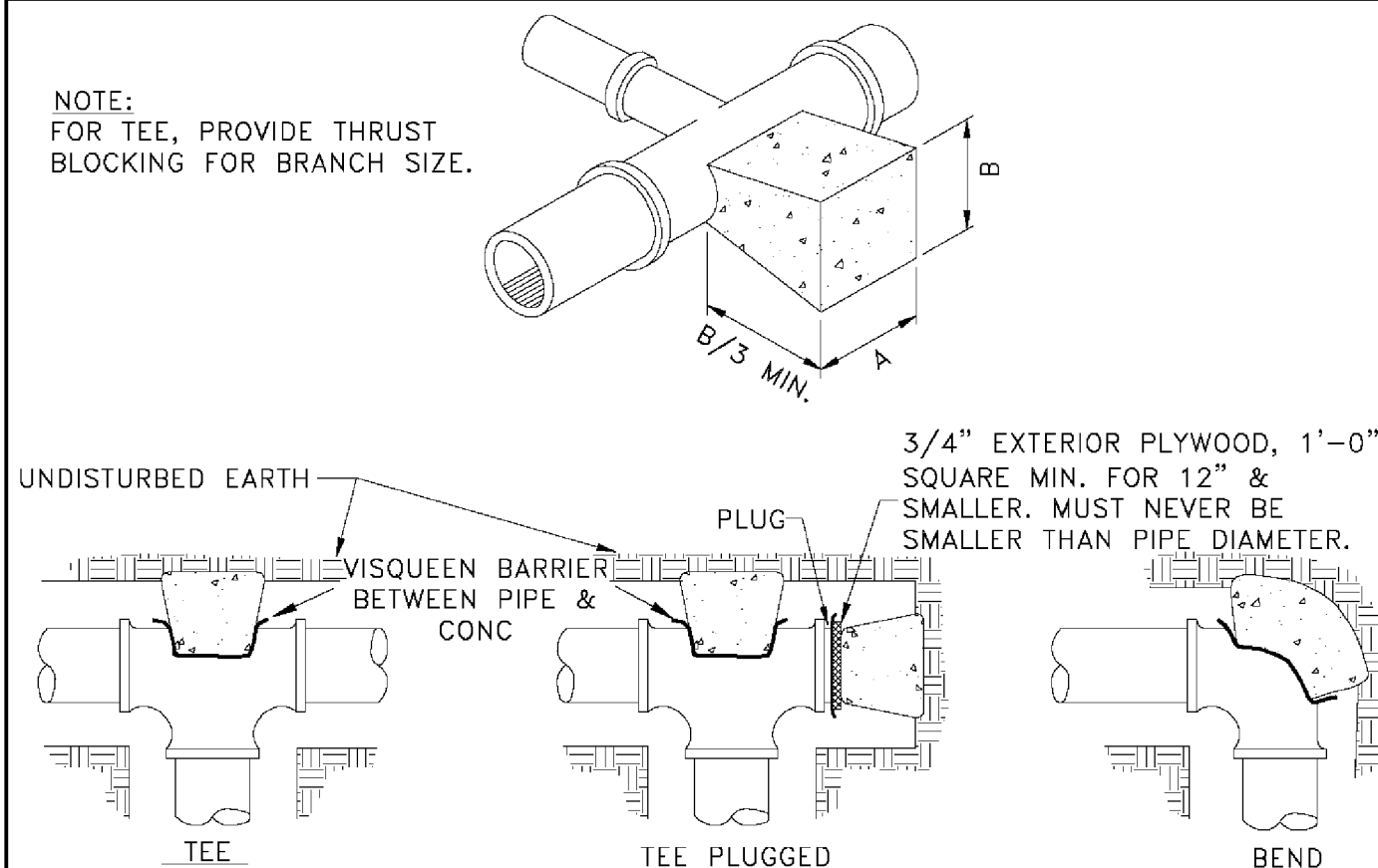


#### ADJUSTABLE PIPE SUPPORT DETAIL

#### NOTES:

1. WHEN STATIC PRESSURE EXCEEDS 150 PSI IN NEW DISTRIBUTION WATER LINES, PRESSURE REDUCING VALVES SHALL BE PROVIDED ON MAINS IN THE 20-PSI REGION SYSTEM. PRESSURE REDUCING VALVES SHALL BE PROVIDED ON MAINS IN THE 20-PSI REGION SYSTEM. PRESSURE REDUCING VALVES SHALL BE PROVIDED ON MAINS IN THE 20-PSI REGION SYSTEM.
2. REFER TO CONCRETE STANDARD SPECIFICATIONS.
3. ALL NEW OR REPLACED WATER LINES SHALL BE FLUSHED & DISINFECTED PER AWWA STANDARD C651 LATEST EDITION.

### CITY OF ELK RIDGE PRESSURE REDUCING VALVE VAULT PLAN



NOTE: FOR TEE, PROVIDE THRUST BLOCKING FOR BRANCH SIZE.

| FITTING SIZES | DIMENSIONS FOR THRUST BLOCKING |       |       |        |           |        |       |       |                   |       |       |        |               |       |
|---------------|--------------------------------|-------|-------|--------|-----------|--------|-------|-------|-------------------|-------|-------|--------|---------------|-------|
|               | TEES & PLUGS                   |       |       |        | 90° BENDS |        |       |       | 45° BENDS & "Y" S |       |       |        | 22 1/2° BENDS |       |
|               | A                              | B     | A     | B      | A         | B      | A     | B     | A                 | B     | A     | B      | A             | B     |
| 4"            | 1'-6"                          | 1'-6" | 1'-6" | 1'-9"  | 1'-3"     | 0'-6"  | 1'-0" | 0'-6" | 1'-0"             | 0'-6" | 1'-0" | 0'-6"  | 1'-0"         | 0'-6" |
| 6"            | 2'-0"                          | 1'-0" | 2'-0" | 2'-0"  | 1'-3"     | 1'-6"  | 1'-0" | 1'-5" | 1'-0"             | 1'-5" | 1'-0" | 1'-5"  | 1'-0"         | 1'-5" |
| 8"            | 2'-0"                          | 1'-6" | 2'-3" | 2'-3"  | 1'-8"     | 1'-8"  | 1'-0" | 1'-3" | 1'-0"             | 1'-3" | 1'-0" | 1'-3"  | 1'-0"         | 1'-3" |
| 10"           | 2'-6"                          | 2'-3" | 2'-9" | 2'-10" | 2'-3"     | 1'-10" | 1'-3" | 2'-0" | 1'-10"            | 1'-3" | 2'-0" | 1'-10" | 1'-3"         | 2'-0" |
| 12"           | 3'-0"                          | 2'-9" | 3'-6" | 3'-3"  | 2'-6"     | 2'-4"  | 2'-0" | 1'-6" | 2'-0"             | 2'-4" | 2'-0" | 1'-6"  | 2'-0"         | 1'-6" |
| 14"           | 3'-5"                          | 3'-0" | 4'-0" | 3'-8"  | 3'-6"     | 2'-4"  | 2'-0" | 2'-3" | 3'-0"             | 2'-4" | 2'-0" | 2'-3"  | 3'-0"         | 2'-3" |
| 16"           | 4'-0"                          | 3'-6" | 5'-0" | 4'-0"  | 3'-6"     | 3'-0"  | 2'-6" | 2'-3" | 3'-0"             | 3'-0" | 2'-6" | 2'-3"  | 3'-0"         | 2'-3" |
| 18"           | 4'-0"                          | 4'-3" | 6'-0" | 4'-0"  | 4'-0"     | 3'-3"  | 2'-9" | 2'-6" | 4'-0"             | 3'-3" | 2'-9" | 2'-6"  | 4'-0"         | 3'-3" |
| 20"           | 5'-0"                          | 4'-3" | 6'-0" | 5'-0"  | 4'-3"     | 4'-0"  | 3'-0" | 2'-9" | 5'-0"             | 4'-0" | 3'-0" | 2'-9"  | 5'-0"         | 4'-0" |
| 24"           | 6'-0"                          | 5'-3" | 8'-0" | 5'-6"  | 6'-0"     | 4'-0"  | 4'-0" | 3'-0" | 6'-0"             | 4'-0" | 4'-0" | 3'-0"  | 6'-0"         | 4'-0" |

#### NOTES:

1. THIS TABLE IS BASED ON 200 P.S.I. MAIN PRESSURE AND 2000 P.S.F. SOIL BEARING PRESSURE. ADJUST BEARING AREAS IN ACCORDANCE WITH SOIL CONDITIONS AND PRESSURES ENCOUNTERED.
2. USE POLYETHYLENE ENCASEMENT BETWEEN CONCRETE AND PIPE.
3. REFER TO CONCRETE STANDARD SPECIFICATIONS.
4. THE "THRUST BLOCKING DETAILS" IN NO WAY LIMITS THE LOCATION OR SIZE OF ADDITIONAL BLOCKING WHEN SO WARRANTED OR REQUIRED BY THE ENGINEER.
5. THRUST BLOCKS NEED TO BE INSPECTED BY CITY PRIOR TO BACKFILL.

### CITY OF ELK RIDGE THRUST BLOCK DETAIL

SHEET NO.

DT-02

DETAIL SHEET

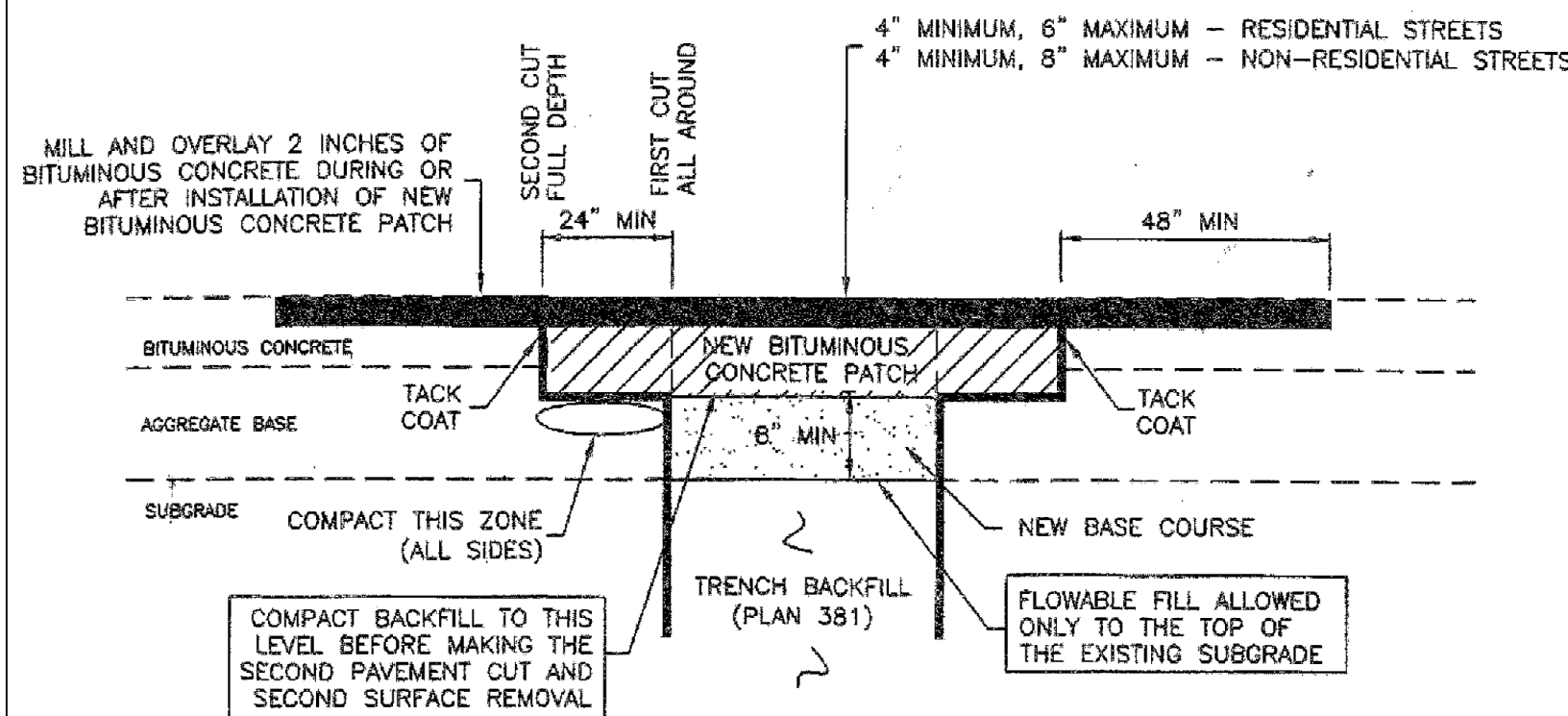
LONGVIEW MEADOW  
ELK RIDGE, UTAH

ATLAS  
ENGINEERING  
L.L.C.

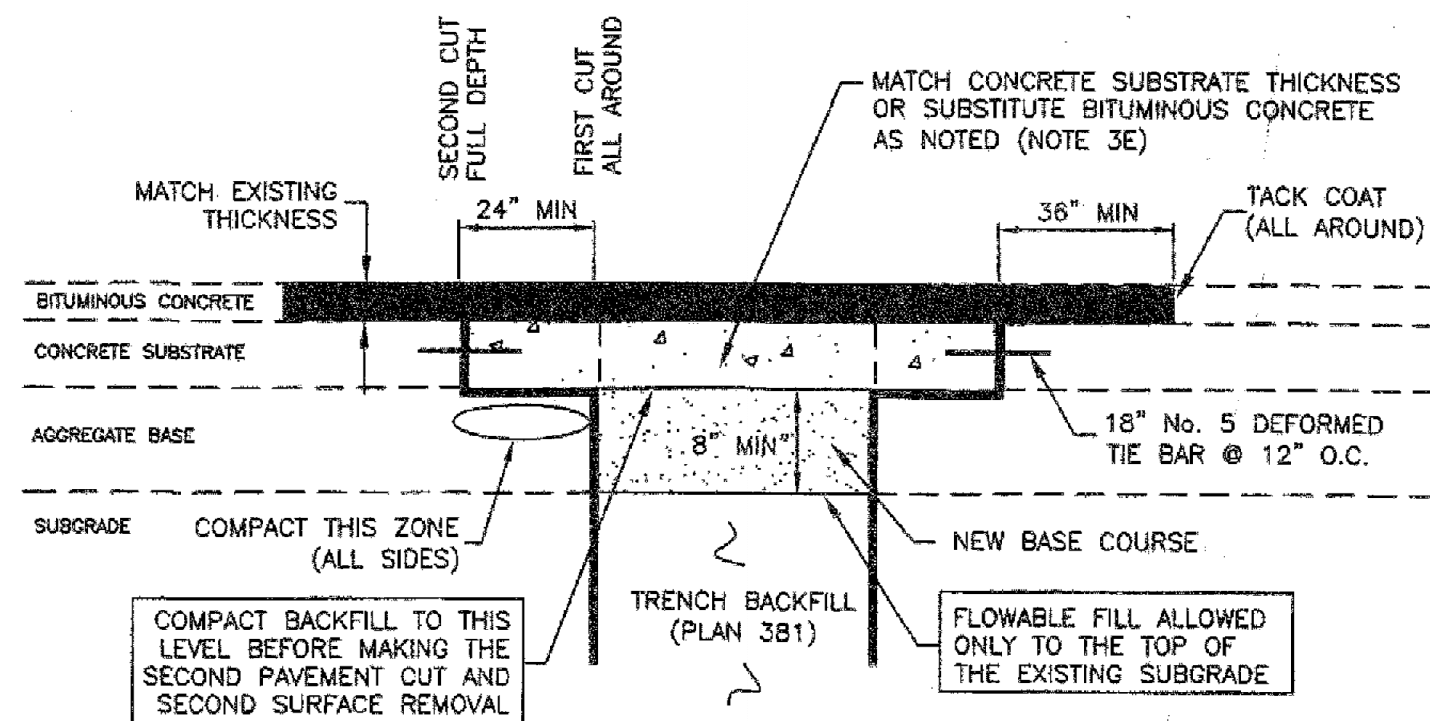
PHONE: 801-655-0566  
FAX: 801-655-0109  
946 E 800 N SUITE A  
SPANISH FORK, UT 84660

(DATE STAMP)





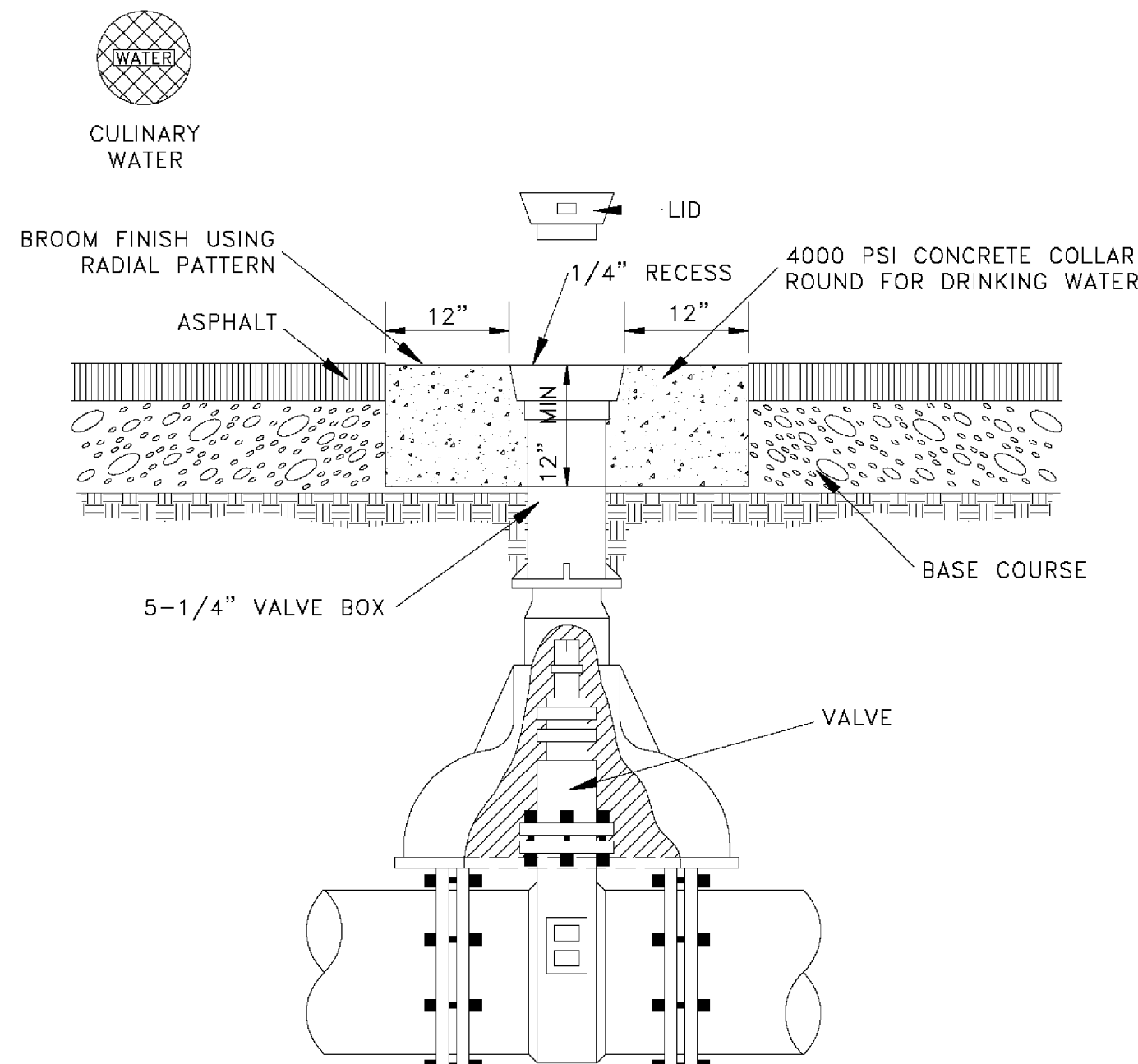
**BITUMINOUS CONCRETE RESTORATION**



**COMPOSITE RESTORATION**

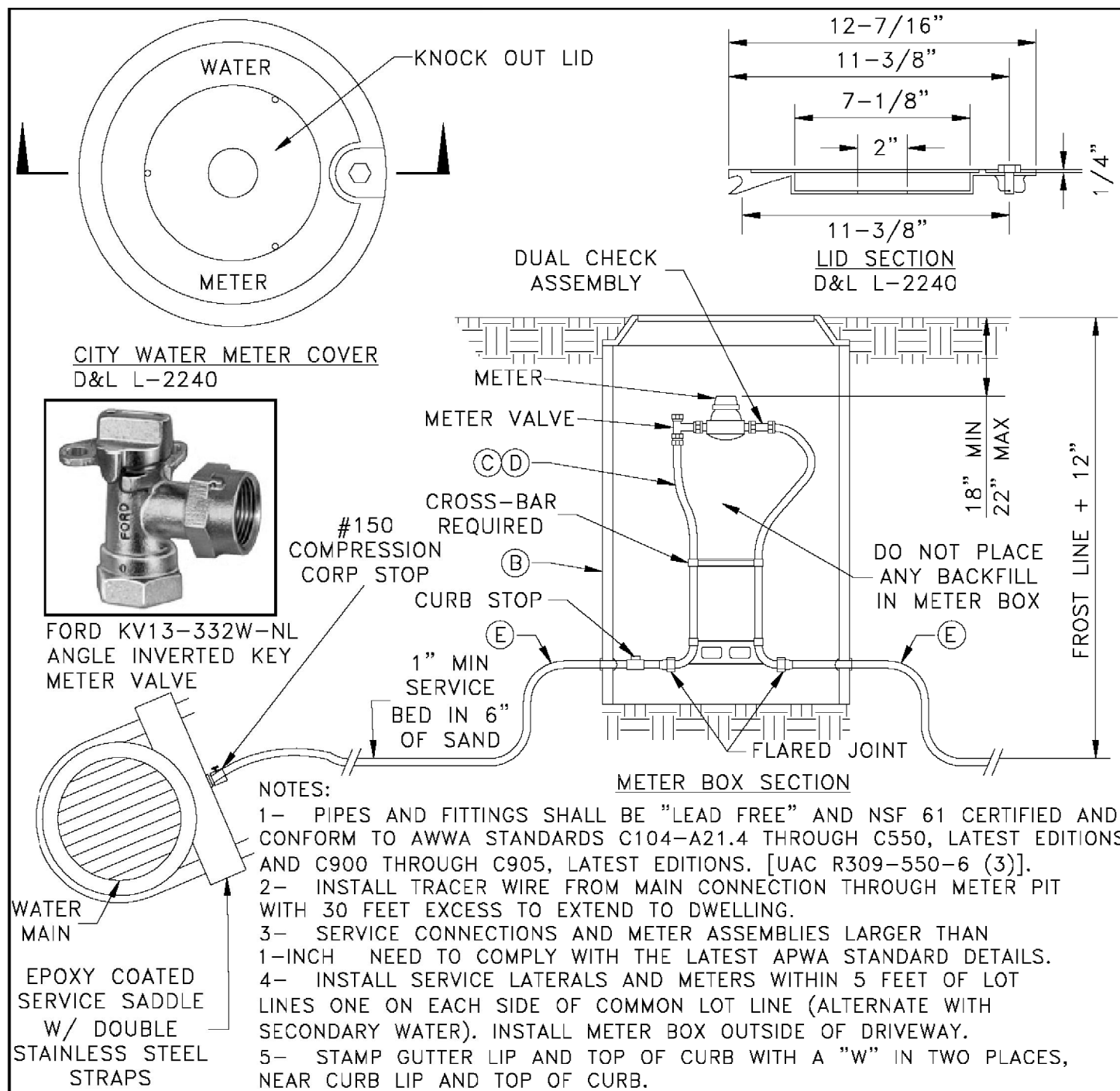
**Bituminous pavement T-patch**

1. **GENERAL**
  - A. Vertical cuts in bituminous pavement may be done by saw or pavement zipping. If cuts greater than 6 inches are necessary to prevent pavement "break off" consult ENGINEER for directions on handling additional costs.
  - B. Repair a T-patch restoration if any of the following conditions occur prior to final payment or at the end of the one year correction period.
    - 1) Pavement surface distortion exceeds 1/4-inch deviation in 10 feet. Repair option - plane off surface distortions. coat planed surface with a cationic or anionic mulsion that complies with APWA Section 32 12 03..
    - 2) Separation appears at a connection to an existing pavement or any Street Fixture. Repair option - blow separation clean and apply joint sealant, Plan 265.
    - 3) Cracks at least 1-foot long and 1/4-inch wide occur more often than 1 in 10 square feet. Repair option - blow clean and apply crack seal, Plan 265.
    - 4) Pavement raveling is greater than 1 square foot per 100 square feet. Repair option - Mill and inlay, APWA Sections 32 01 16.71 and 32 12 05.
2. **PRODUCTS**
  - A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
  - B. Flowable Fill: Target is 60 psi in 28 days with 90 psi maximum in 28 days, APWA Section 31 05 15. It must flow easily requiring no vibration for consolidation.
  - C. Reinforcement. No. 5, galvanized or epoxy coated, deformed, 60 ksi yield grade steel, ASTM A615.
  - D. Concrete: Class 4000, APWA Section 03 30 04.
  - E. Tack Coat: APWA Section 32 12 13.13.
  - F. Bituminous Concrete. APWA Section 32 12 05.
    - 1) Warm Weather Patch: PG64-22-DM-1/2, unless indicated otherwise.
    - 2) Cold Weather Patch: Modified MC-250-FM-1 as indicated in APWA Section 33 05 25.
3. **EXECUTION**
  - A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
  - B. Flowable Fill: Cure to initial set before placing aggregate base or bituminous pavement. Use in excavations that are too narrow to receive compaction equipment.
  - C. Tack Coat. Clean all horizontal and vertical surfaces. Apply full coverage all surfaces.
  - D. Pavement Placement: Follow APWA Section 32 12 16.13. Unless indicated otherwise, lift thickness is 3-inches minimum after compaction. Compact to 94 percent of ASTM D2041 (Rice density) plus or minus 2 percent.
  - E. Bituminous Concrete Substitution: If bituminous concrete is substituted for Portland cement concrete substrate, omit rebar and provide 1.25 inches of bituminous concrete for each 1 inch of Portland cement concrete. Follow paragraph E requirements.
  - F. Reinforcement. Required if thickness of existing Portland-cement concrete substrate is 6-inches or greater. Not required if 1) less than 6-inches thick, 2) if existing concrete is deteriorating, 3) if excavation is less than 3 feet square, or 4) if bituminous pavement is substituted for Portland-cement concrete substrate.
  - G. Concrete Substrate. Cure to initial set before placing new bituminous concrete patch.



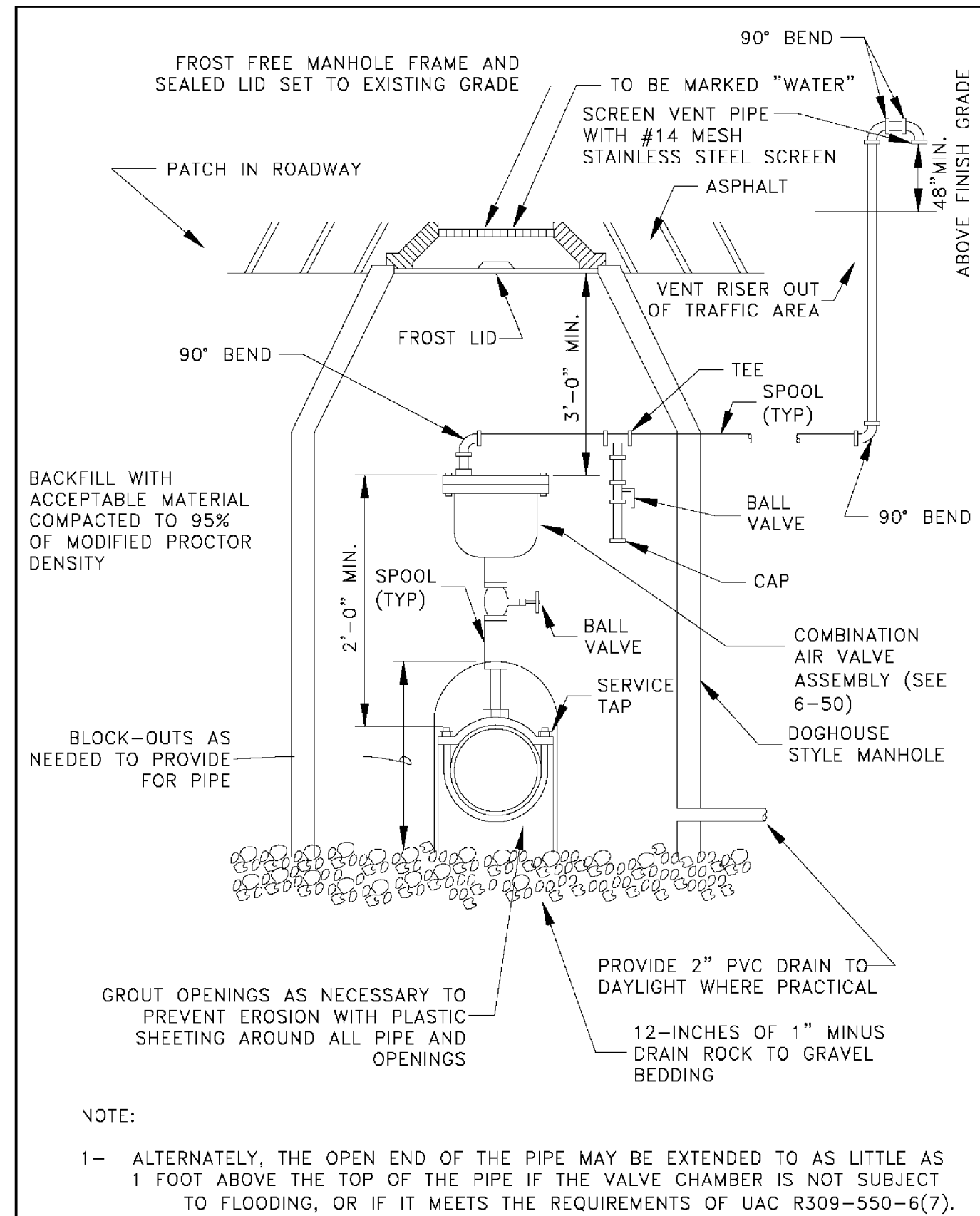
- NOTES:
1. RAISE VALVE BOX AND PLACE CONCRETE COLLAR AFTER PAVING OPERATION IS COMPLETED.
  2. ALL PIPES, FITTINGS & APPURTENANCES SHALL BE NSF-61 CERTIFIED AND CONFORM TO AWWA STANDARDS C104-A21.4 THROUGH C550, LATEST EDITIONS AND C900 THROUGH C905, LATEST EDITIONS. [UAC R309-550-6 (3)].
  3. BURIED GATE VALVES SHALL BE USED FOR LINES 10-INCHES AND SMALLER. BURIED BUTTERFLY VALVES SHALL BE USED FOR LINES 12-INCHES AND LARGER.
  4. ISOLATION VALVES SHALL BE PROVIDED AT NO MORE THAN 500-FOOT INTERVALS IN COMMERCIAL DISTRICTS AND AT NOT MORE THAN ONE BLOCK OR 800-FOOT INTERVALS IN OTHER DISTRICTS. [UAC 309-550-5(8)].

**CITY OF ELK RIDGE  
VALVE BOX COLLAR DETAIL**

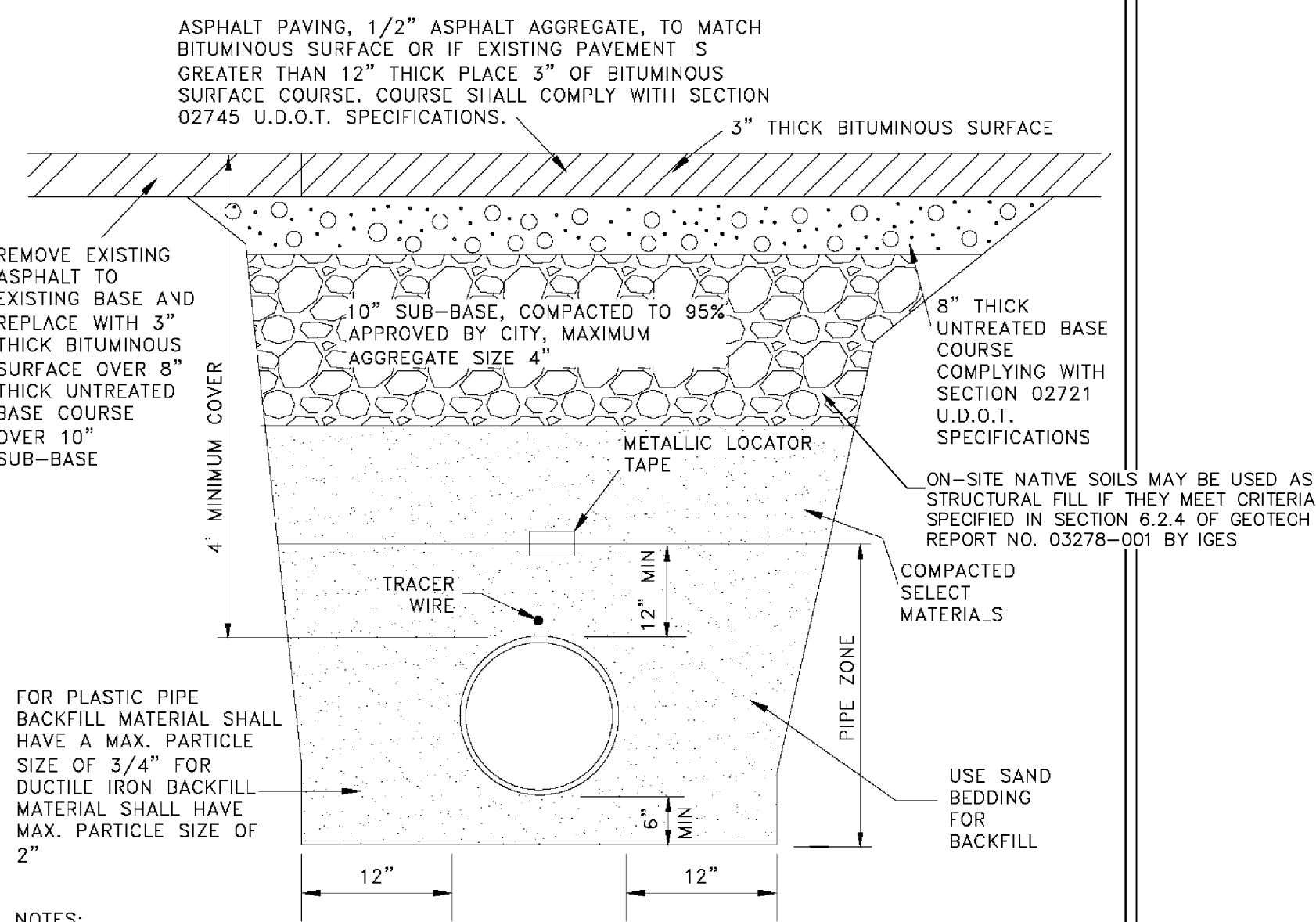


| No  | * ITEM                                     | DESCRIPTION                                          |
|-----|--------------------------------------------|------------------------------------------------------|
| (A) | FRAME AND COVER                            | CAST IRON COVER (GRASS)                              |
| (B) | METER BOX (21" DIAMETER) (30" TO 36" DEEP) | WHITE CORRUGATED PE                                  |
| (C) | 1" METER YOKE                              | DUAL CHECK ASSEMBLY REQUIRED                         |
| (D) | 1" METER YOKE                              | OPTIONAL BACKFLOW PROTECTION PER AGENCY REQUIREMENTS |
| (E) | 1" SERVICE LINE                            | HDPE IPS SDR 9                                       |

**CITY OF ELK RIDGE  
SERVICE CONNECTION & METER ASSEMBLY**



**CITY OF ELK RIDGE  
AIR RELEASE VALVE MANHOLE DETAIL**



- NOTES:
1. PIPES & FITTINGS SHALL BE LEAD FREE.
  2. ASBESTOS CEMENT PIPE SHALL NOT BE ALLOWED.
  3. WATER MAINS & SEWER LINES SHALL NOT BE INSTALLED IN THE SAME TRENCH.
  4. ALL PIPES, FITTINGS & APPURTENANCES SHALL BE NSF-61 CERTIFIED AND CONFORM TO AWWA STANDARDS C104-A21.4 THROUGH C550, LATEST EDITIONS AND C900 THROUGH C905, LATEST EDITIONS. [UAC R309-550-6 (3)]
  5. ALL NEW OR REPLACED WATER LINES SHALL BE FLUSHED & DISINFECTED PER AWWA STANDARD C651 LATEST EDITION.
  6. MATERIAL THICKNESS MAY CHANGE AS DIRECTED BY THE CITY ENGINEER BASED UPON FINDINGS AND RECOMMENDATIONS IN GEOTECHNICAL REPORT.
  7. FOR WATER METERS NOT CONNECTED TO FIRE HYDRANTS, THE MINIMUM LINE SIZE SHALL BE 4" IN DIAMETER, UNLESS THEY SERVE PICNIC SITES, PARKS, SEM-DEVELOPED CAMPS, PRIMITIVE CAMPS, OR ROADWAY REST-STOPS. MINIMUM WATER MAIN SIZE SERVICING A FIRE HYDRANT LATERAL SHALL BE 8 INCHES IN DIAMETER UNLESS A HYDRAULIC ANALYSIS INDICATES THAT REQUIRED FLOW AND PRESSURES CAN BE MAINTAINED BY 6" LINES. [UAC R309-550-5(4)].
  8. ALL TYPES OF INSTALLED PIPE SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA C600 (LATEST EDITION).
  9. UNDER NO CIRCUMSTANCES SHALL THE PIPE OR ACCESSORIES BE DROPPED INTO THE TRENCH.
  10. CONSIDERATION SHALL BE GIVEN TO THE MATERIALS TO BE USED WHEN CORROSIVE SOILS OR WATERS WILL BE ENCOUNTERED. [UAC R309-550-5 (9)].

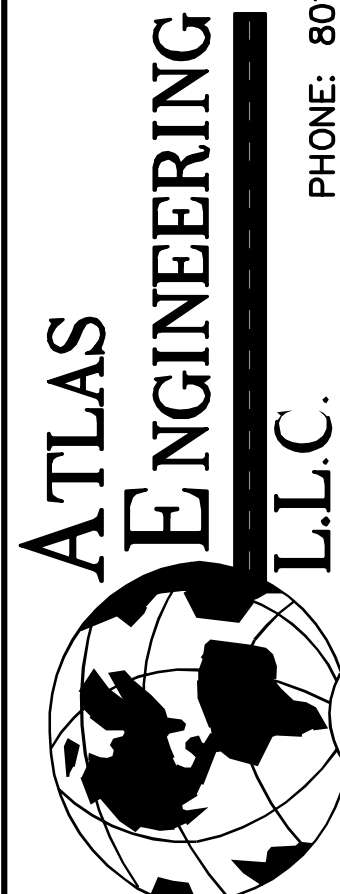
**LOCATED IN SURFACED ROAD  
CITY OF ELK RIDGE  
UTILITY TRENCH FOR WATER MAIN**

SHEET NO.

DT-03

DETAIL SHEET

LONGVIEW MEADOW  
ELK RIDGE, UTAH

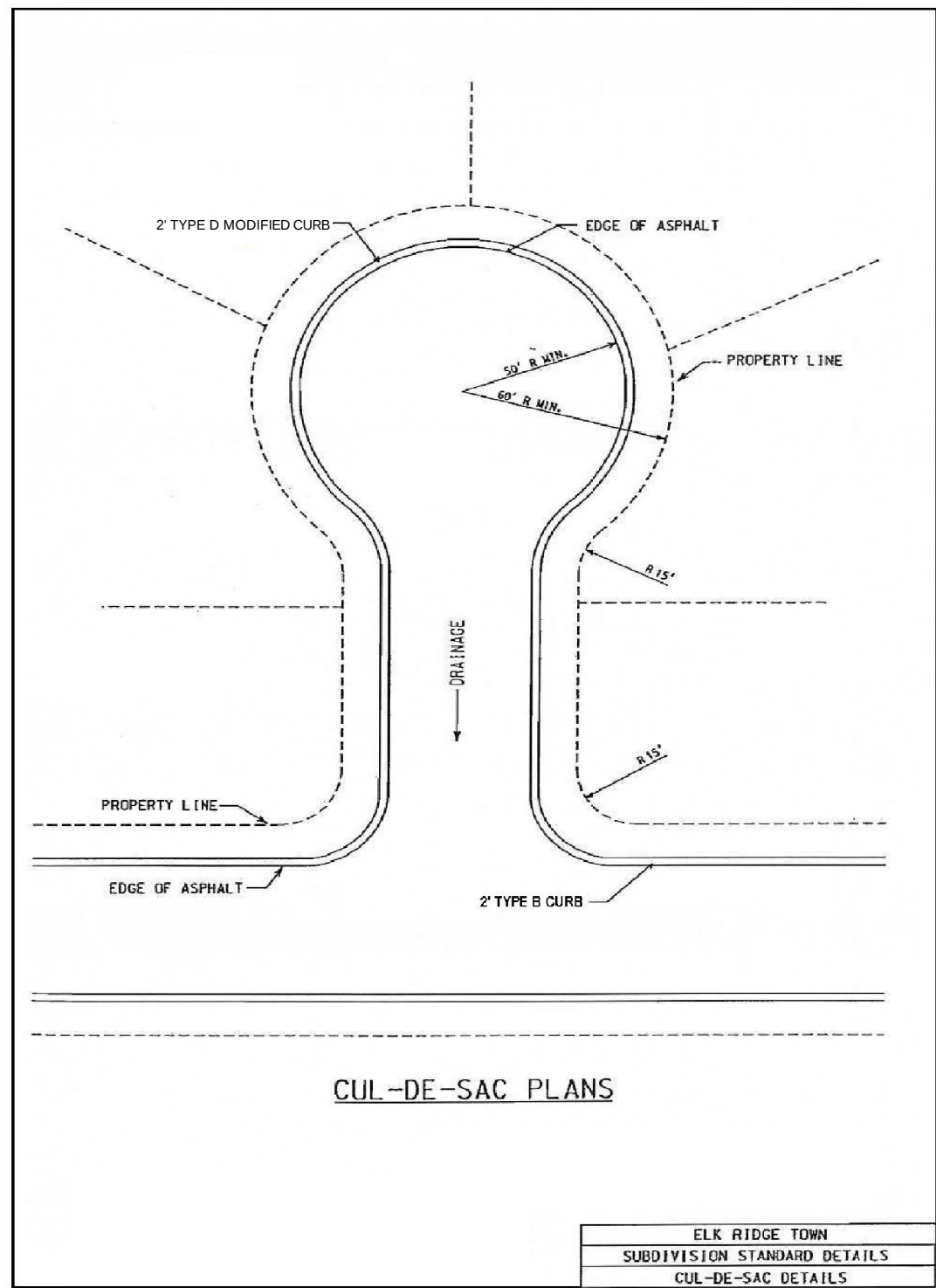


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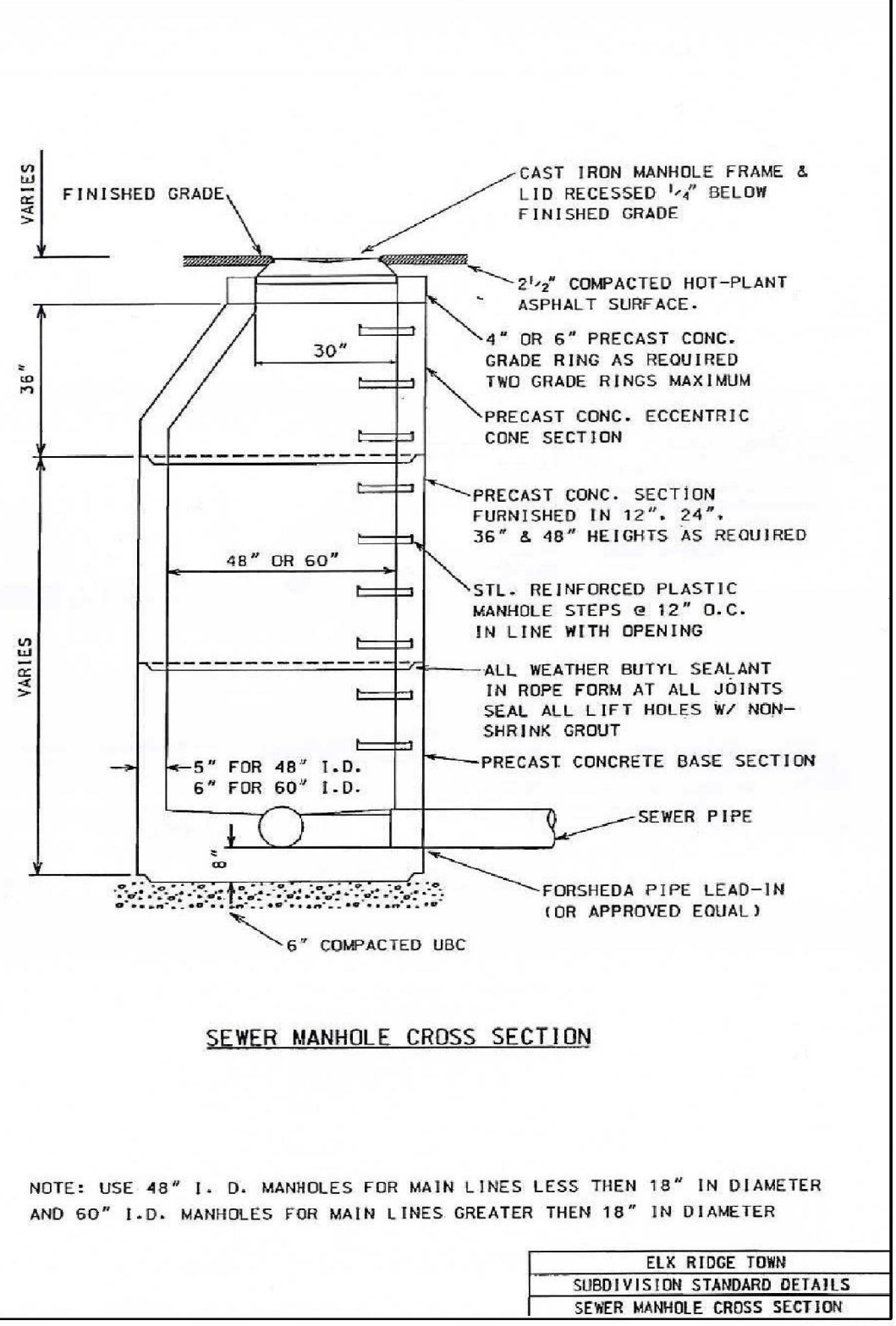
PHONE: 801-655-0566  
FAX: 801-655-0109  
946 E. 800 N. SUITE A  
SPANISH FORK, UT 84660

NO. 1 BY DATE 10/28/2022 2:37:47 PM MDT

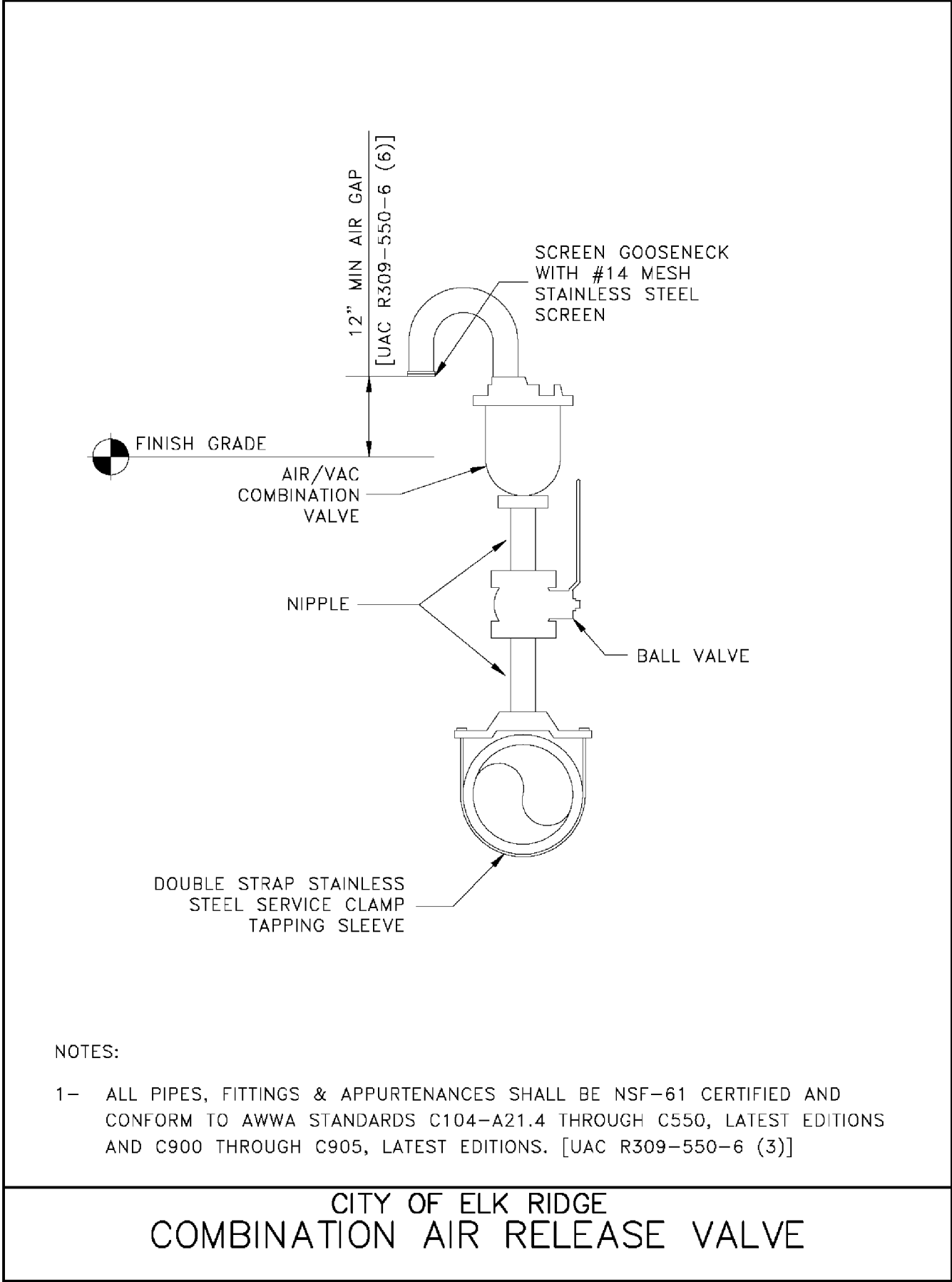
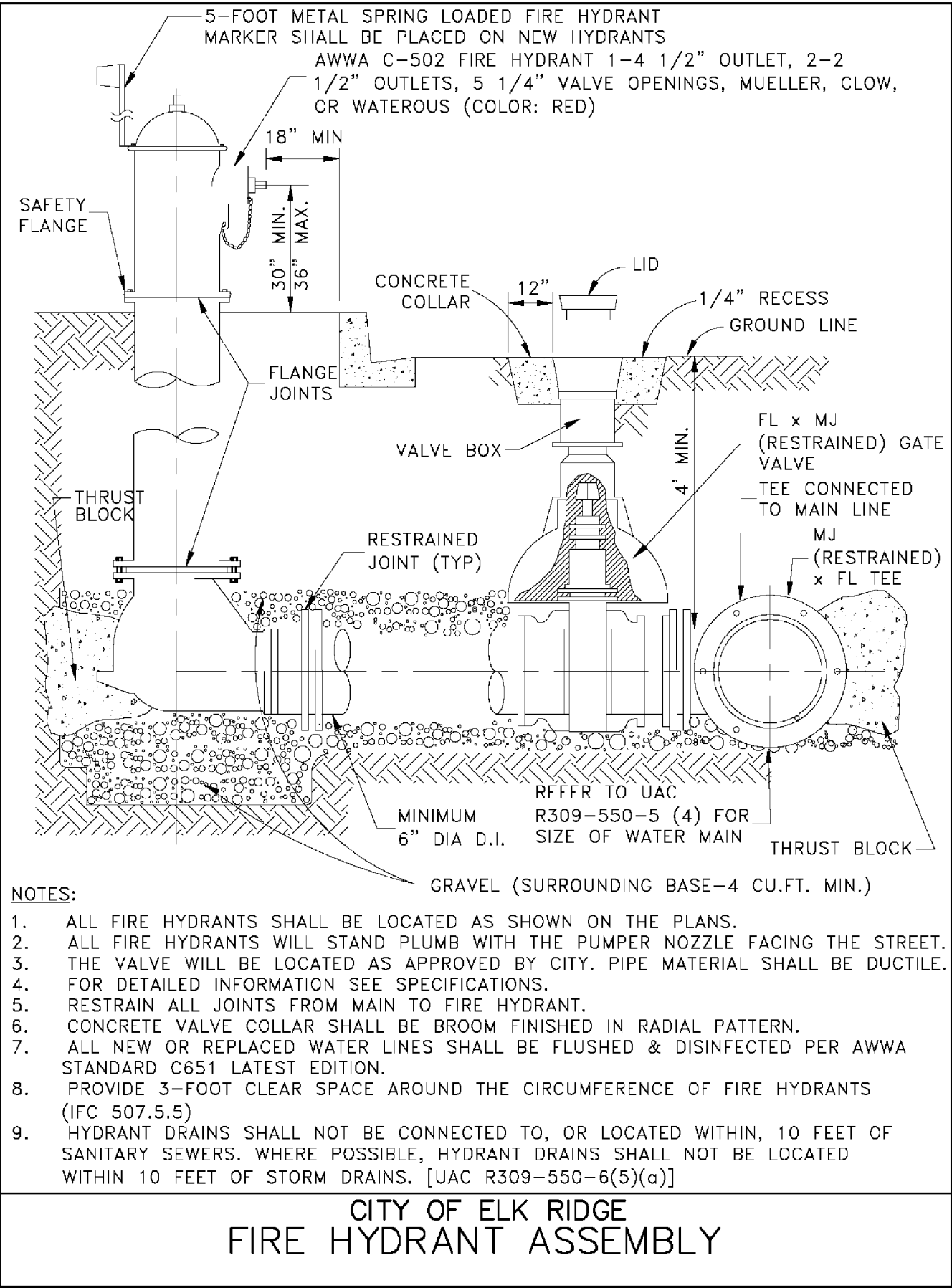




~ S ~

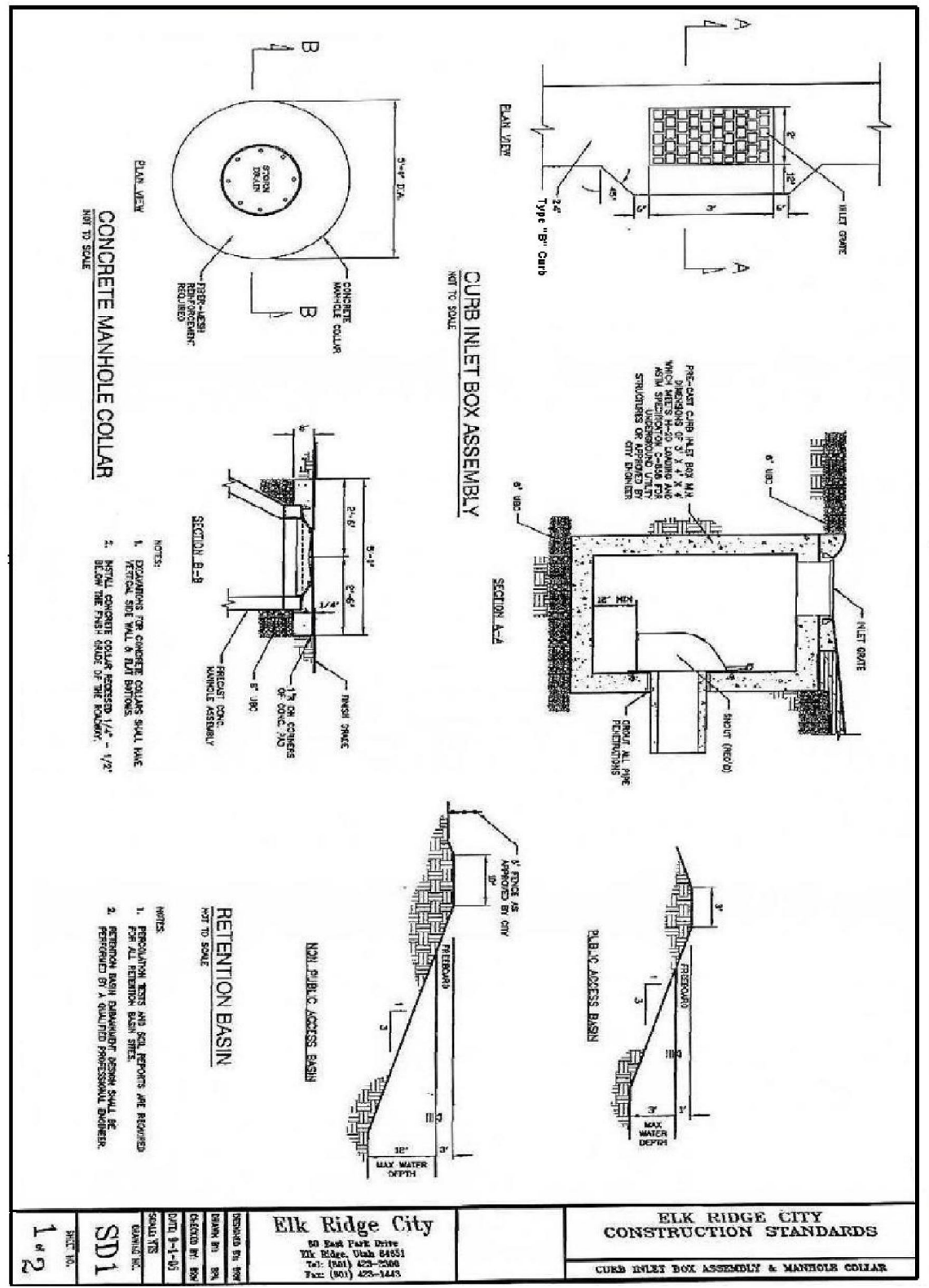


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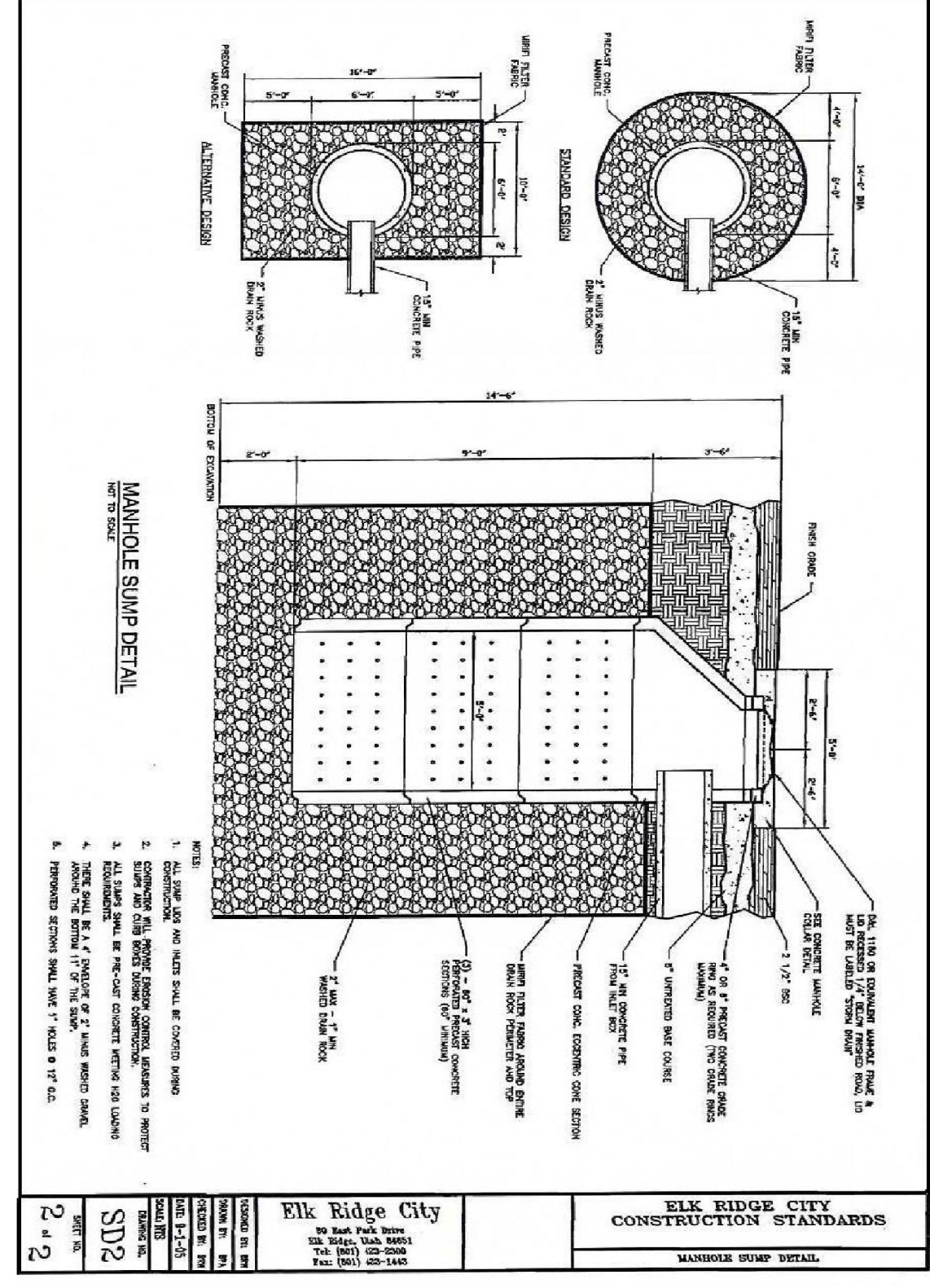


PHONE: 801-655-0566  
FAX: 801-655-0109  
946 E 800 N SUITE A  
SPANISH FORK, UT 84660

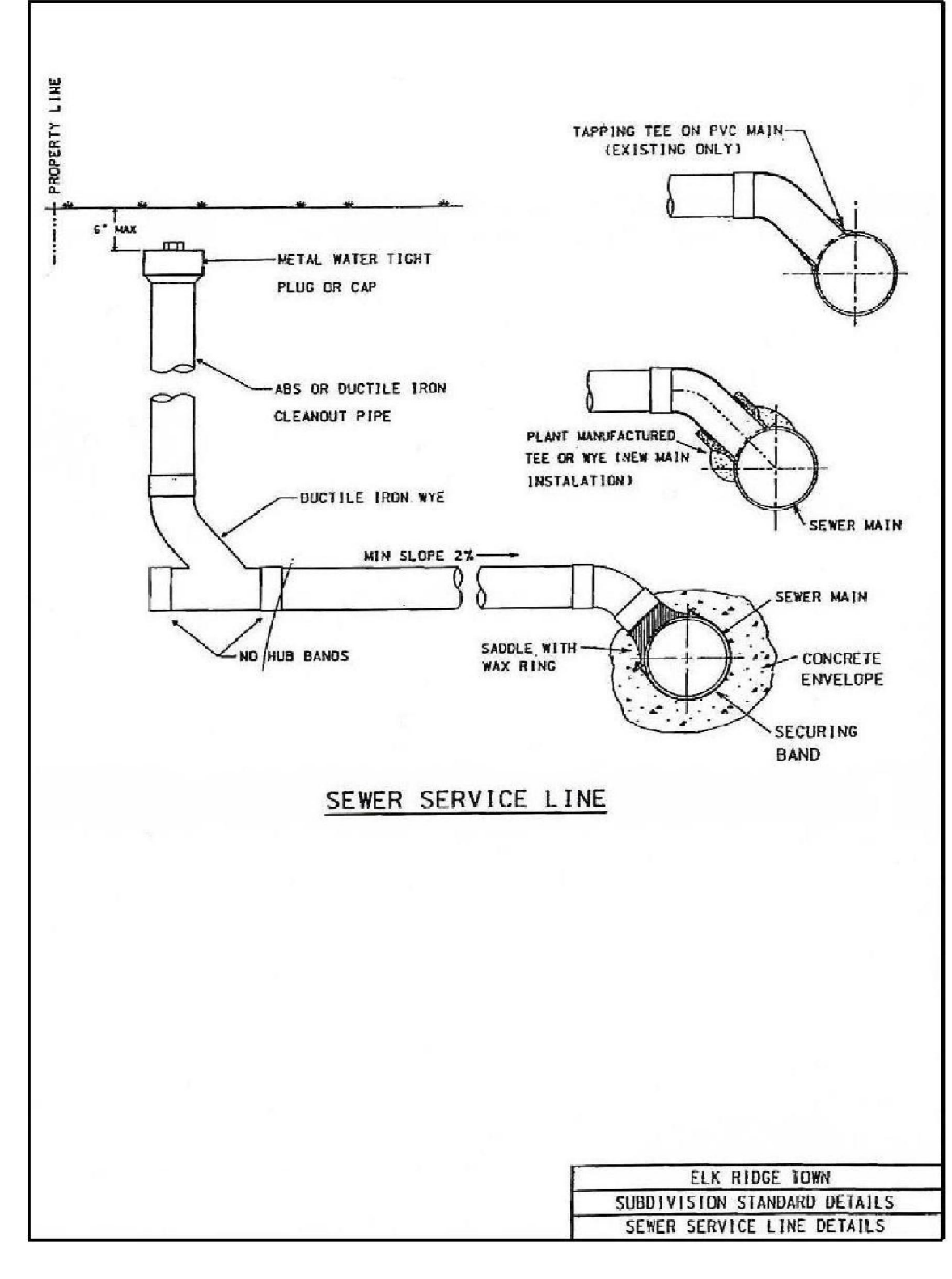
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~ A ~



~ B ~



~ D ~

DETAIL SHEET

LONGVIEW MEADOW  
ELK RIDGE, UTAH

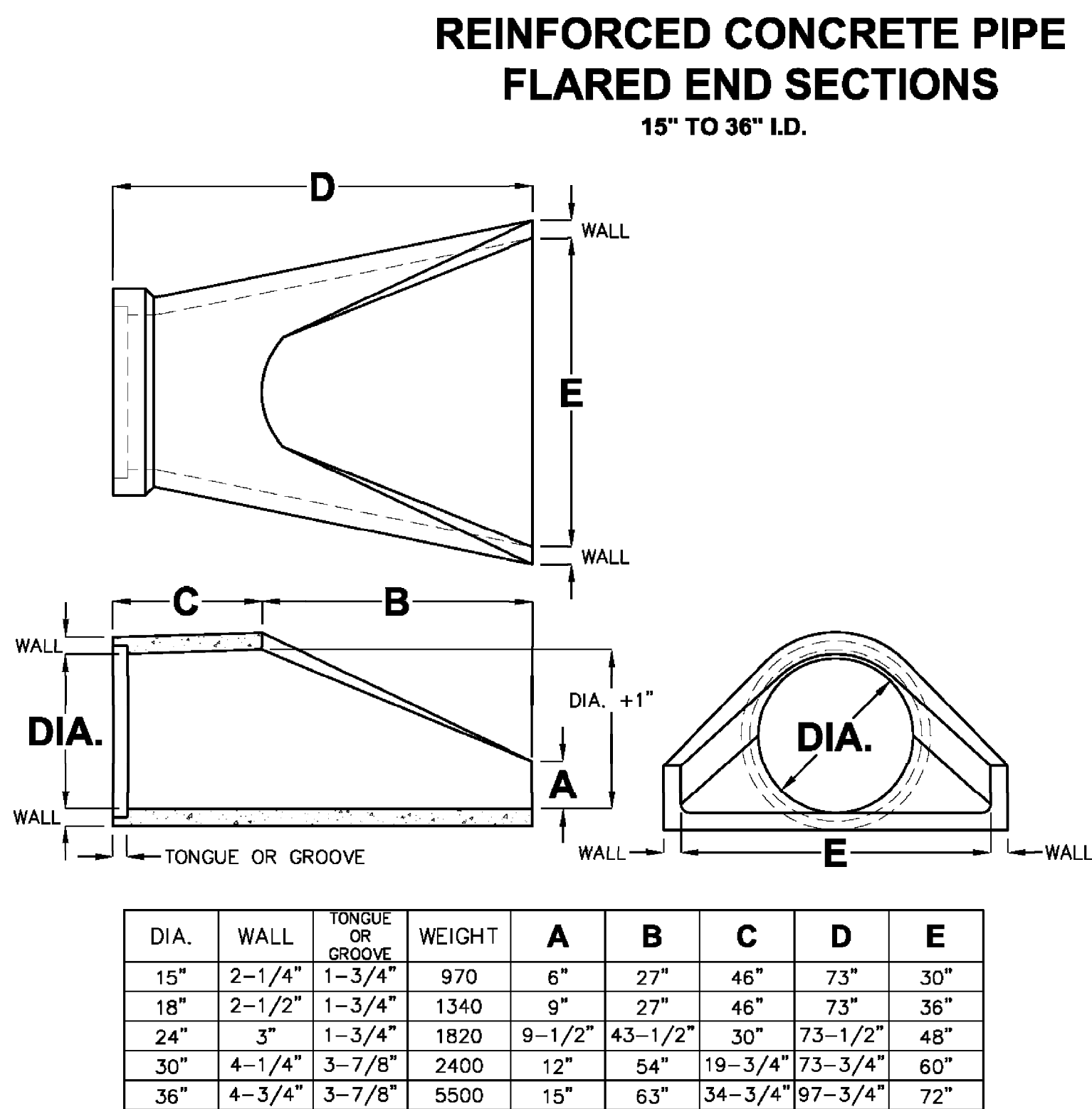
SHEET NO.

DT-04

| NO. | REVISIONS | BY | DATE |
|-----|-----------|----|------|
| 1   |           |    |      |
| 2   |           |    |      |
| 3   |           |    |      |
| 4   |           |    |      |
| 5   |           |    |      |
| 6   |           |    |      |

7/3/2021, 21-028, 1.dwg, 10/28/2022, 2:37:47 PM, MIT

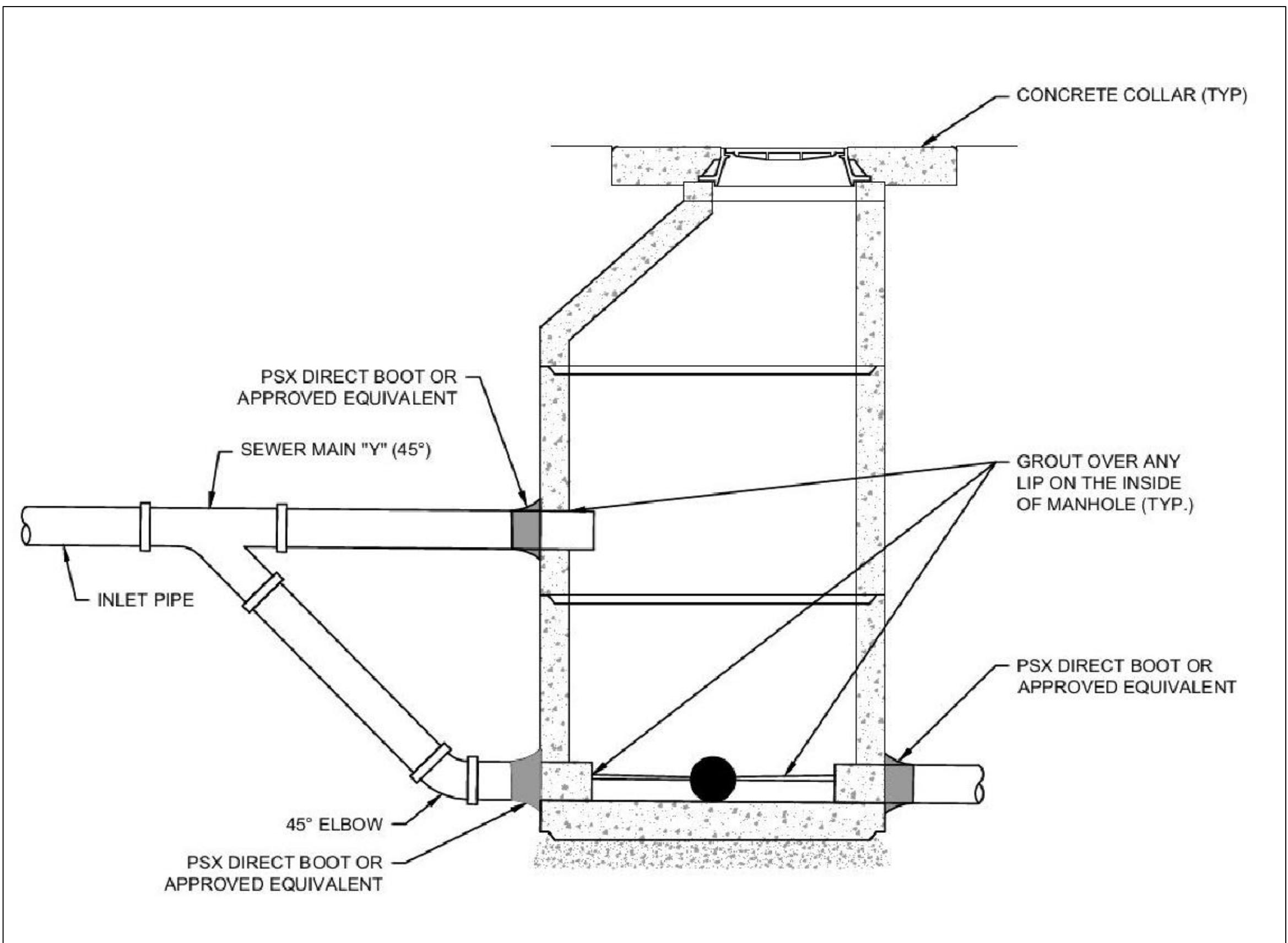
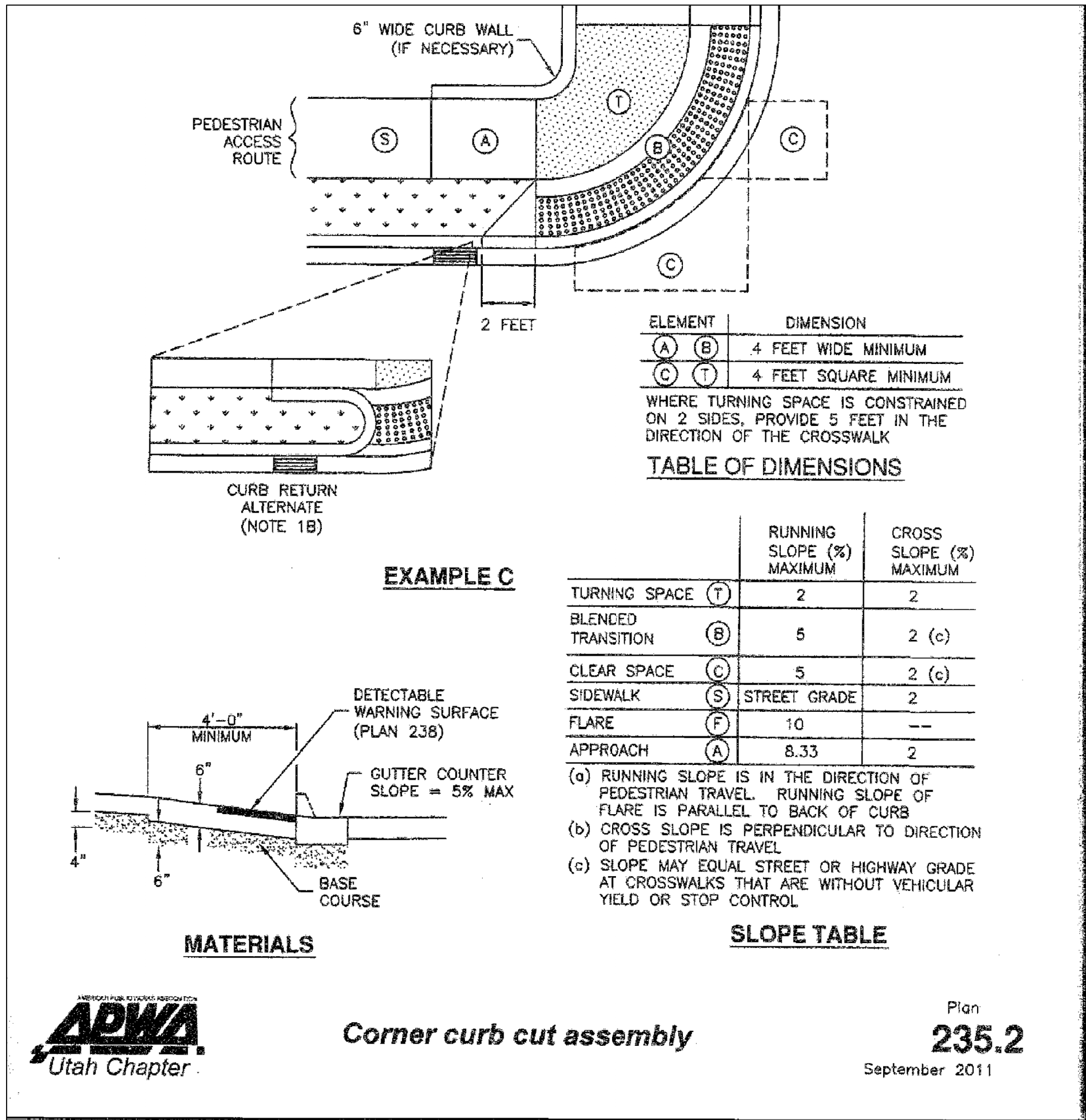




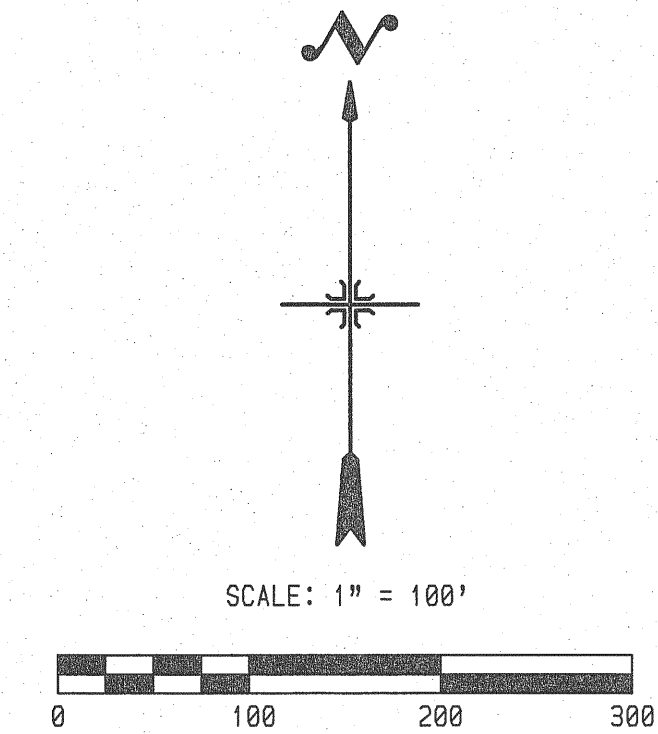
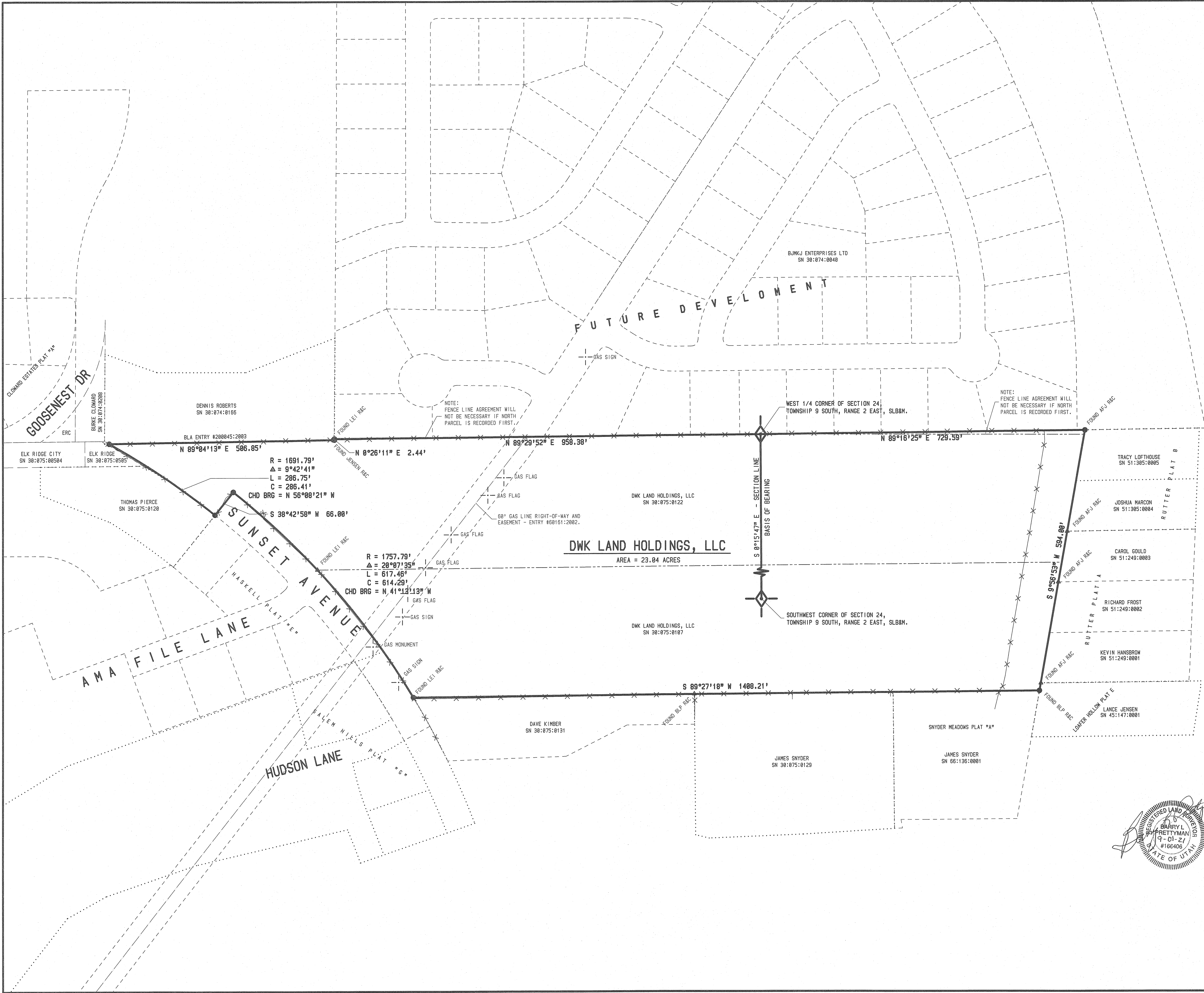
REINFORCED CONCRETE PIPE CONFORMS  
TO ASTM C-76, ASTM-C-443, AASHTO M-170,  
AND AASHTO M-198.

FOR COMPLETE DESIGN AND PRODUCT INFORMATION  
CONTACT JENSEN PRECAST.

Jensen Precast reserves the right to make changes to product design  
and/or dimensions without notice. Please contact Jensen Precast whenever  
necessary for confirmation or advice on product design.







**SURVEYED BOUNDARY DESCRIPTION:**  
A PARCEL OF LAND LYING IN THE SOUTHEAST 1/4 OF SECTION 23 AND THE SOUTHWEST 1/4 OF SECTION 24, TOWNSHIP 9 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN BEING FURTHER DESCRIBED AS FOLLOWS:  
BEGINNING AT THE WEST 1/4 CORNER OF SECTION 24, TOWNSHIP 9 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN; THENCE NORTH 89°16'25" EAST 729.59 FEET ALONG THE QUARTER SECTION LINE TO THE NORTHWEST CORNER OF RUTTER SUBDIVISION PLAT 8; THENCE SOUTH 9°50'53" WEST 594.00 FEET ALONG THE WEST LINE OF SAID RUTTER SUBDIVISION PLATS A AND B AND LOAFER HOLLOW PLAT 1 TO THE NORTHEAST CORNER OF SNYDER MEADOWS PLAT A; THENCE SOUTH 89°27'18" WEST 1400.21 FEET ALONG SAID SUBDIVISION AND ALONG AN EXISTING FENCE TO THE EAST LINE OF SUNSET AVENUE; THENCE ALONG SAID STREET NORTHWESTERLY 617.46 FEET ALONG THE ARC OF A 1757.79 FOOT RADIUS CURVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 20°07'35", THE CHORD BEARS NORTH 41°13'13" WEST 614.29 FEET; THENCE SOUTH 38°42'58" WEST 66.00 FEET; THENCE NORTHWESTERLY 286.75 FEET ALONG THE ARC OF A 1691.79 FOOT RADIUS CURVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 9°42'41", THE CHORD BEARS NORTH 56°08'21" WEST 286.41 FEET; THENCE NORTH 89°04'13" EAST 506.85 FEET ALONG AN EXISTING BOUNDARY LINE AGREEMENT (ENTRY #200045:2003); THENCE NORTH 8°26'11" EAST 2.44 FEET; THENCE NORTH 89°29'52" EAST 958.38 FEET TO THE POINT OF BEGINNING.  
CONTAINING 23.04 ACRES.

**NARRATIVE:**  
BASIS OF BEARING IS UTAH COORDINATE BEARINGS, CENTRAL ZONE. (S 0°15'47" E BETWEEN THE WEST 1/4 CORNER AND THE SOUTHWEST CORNER OF SECTION 24, TOWNSHIP 9 SOUTH, RANGE 2 EAST, SLB&N.)  
PURPOSE OF SURVEY IS TO COMPARE DEEDED PROPERTY AGAINST EXISTING PROPERTY IN ACTUAL POSSESSION AND PREPARE A SURVEYED BOUNDARY DESCRIPTION.

**SURVEYORS CERTIFICATE:**  
I, BARRY L. PRETTYMAN, A LICENSED SURVEYOR HOLDING CERTIFICATE NO. 166406, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON WAS PREPARED FROM A FIELD SURVEY MADE UNDER MY DIRECTION AND CORRECTLY SHOWS THE DIMENSIONS AND MONUMENTS OF THE ABOVE DESCRIBED PARCEL OF LAND TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
*Barry L. Prettyman* Sep 1, 2021  
DATE

**LEGEND:**  
● = 5/8" REBAR WITH ORANGE CAP MARKED ATLAS ENGINEERING.  
--- DWK LAND HOLDINGS DEED LINES  
--- ADJACENT LAND OWNER DEED LINES  
--- EXISTING FENCES