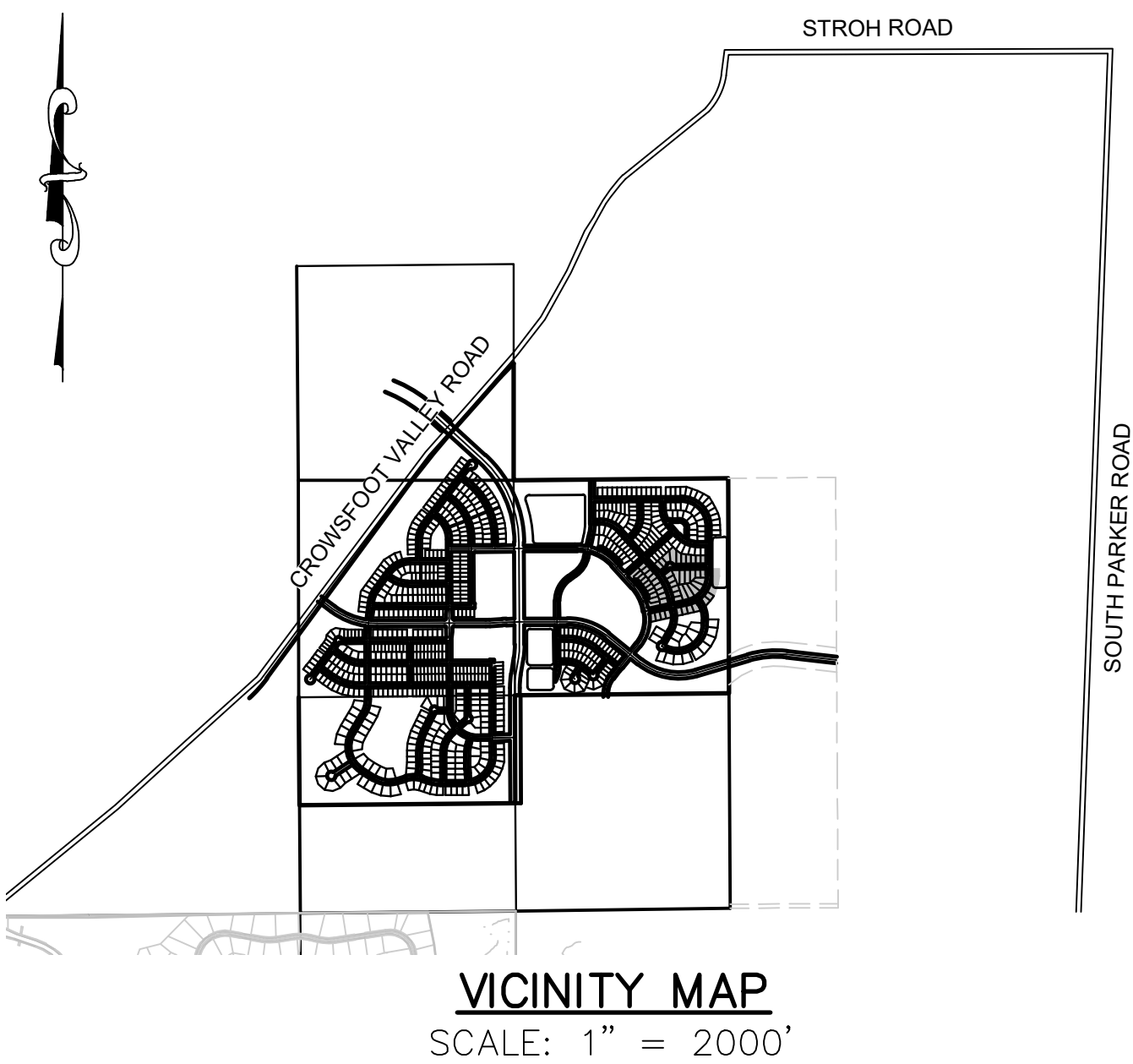


## PARKER WATER AND SANITATION CONSTRUCTION PLANS

SECTIONS 4, 8, AND 9 TOWNSHIP 7 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN COUNTY OF DOUGLAS, STATE OF COLORADO

| Sheet Number | Sheet Title                                   |
|--------------|-----------------------------------------------|
| 1            | COVER SHEET                                   |
| 2            | PARKER WATER AND SANITATION NOTES             |
| 3            | AREA UTILITY PLAN                             |
| 4            | SANITARY P&P BEEBALM AVENUE & FIELD MINT LANE |
| 5            | SANITARY P&P FIELD MINT AVENUE                |
| 6            | SANITARY P&P FIELD MINT POINT                 |
| 7            | SANITARY P&P ALPINE PHLOX LANE                |
| 8            | SANITARY P&P BLACK SEDGE CIRCLE               |
| 9            | WATER P&P BEEBALM AVENUE & FIELD MINT AVENUE  |
| 10           | WATER P&P FIELD MINT AVENUE                   |
| 11           | WATER P&P FIELD MINT POINT                    |
| 12           | WATER P&P ALPINE PHLOX LANE                   |
| 13           | WATER P&P BLACK SEDGE CIRCLE                  |
| 14           | SANITARY SEWER DETAILS                        |
| 15           | SANITARY SEWER DETAILS                        |
| 16           | SANITARY SEWER DETAILS                        |
| 17           | WATER DETAILS                                 |
| 18           | WATER DETAILS                                 |
| 19           | WATER DETAILS                                 |
| 20           | WATER DETAILS                                 |
| 21           | WATER DETAILS                                 |
| 22           | WATER DETAILS                                 |
| 23           | WATER DETAILS                                 |



| MATERIALS LIST                    |          |      |
|-----------------------------------|----------|------|
| DESCRIPTION                       | QUANTITY | UNIT |
| 8" SEWER (PCV)                    | 2,507    | L.F. |
| 4' DIA MANHOLE                    | 21       | EA.  |
| 4" SEWER SERVICE                  | 59       | EA.  |
| CONNECTION TO EXISTING MAIN       | 2        | EA.  |
| 6" WATERPIPE (DIP)                | 84       | L.F. |
| 8" WATERPIPE (C900)               | 3,027    | L.F. |
| 6" GATE VALVE                     | 5        | EA.  |
| 8" GATE VALVE                     | 13       | EA.  |
| 8" MISC. FITTINGS                 | 25       | EA.  |
| 8" CAP WITH BLOW OFF VALVE        | 3        | EA.  |
| FIRE HYDRANT WITH 6" LEAD         | 5        | EA.  |
| DOMESTIC WATER SERVICE WITH METER | 59       | EA.  |
| CONNECTION TO EXISTING MAIN       | 3        | EA.  |

**FIRE DEPARTMENT APPROVAL**

ALL FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO WATER UTILITY STANDARDS. THE NUMBER AND LOCATIONS OF THE FIRE HYDRANTS AS SHOWN ON THE OVERALL UTILITY PLAN ARE CORRECT AS SPECIFIED BY THE TOWN OF PARKER, COMMUNITY DEVELOPMENT DEPARTMENT.

 05/04/2021  
FIRE CODE OFFICIAL OR DESIGNATED REPRESENTATIVE DATE

(NOTE - UNDERGROUND FIRE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENT OF NFPA 24 WHEN SUBMITTING FOR REVIEW.

THE DISTRICT INSPECTOR MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. CALL PARKER WATER AND SANITATION DISTRICT AT 303-841-4627. THE DISTRICT WILL PROVIDE PERIODIC INSPECTIONS OF THE WORK. 24 HOUR NOTICE TO THE INSPECTOR IS REQUIRED FOR SCHEDULE INSPECTIONS. ANY WORK ACCOMPLISHED WITHOUT THE APPROVAL OF THE INSPECTOR WILL BE SUBJECT TO REJECTION.

REVIEWED FOR CONFORMANCE TO PARKER WATER AND SANITATION DISTRICT  
STANDARDS.

BY: \_\_\_\_\_  
(DISTRICT REPRESENTATIVE)

DATE SIGNED: \_\_\_\_\_

APPROVED FOR CONSTRUCTION:  
PARKER WATER AND SANITATION DISTRICT

BY: \_\_\_\_\_  
(DISTRICT ENGINEER)

DATE SIGNED: \_\_\_\_\_

# DEVELOPER

**HR 935 LLC**  
7353 SOUTH ALTON WAY  
CENTENNIAL, CO 80112  
TEL: (303) 770-9111  
CONTACT: MATT JANKE

# PLANNER/ LANDSCAPE DESIGNER:

**PCS GROUP, INC.**  
200 KALAMATH STREET  
DENVER, CO 80233  
TEL: (303) 531-4905  
CONTACT: JOHN PRESTWICH

SURVEYOR/  
ENGINEER:

**CVL, A WESTWOOD  
TEAM**  
10333 E. DRY CREEK RD. STE 240  
ENGLEWOOD, CO 80112  
TEL: (720) 482-9526  
CONTACT: JIM JANNICKE

# UTILITY DISTRICT

**PARKER WATER AND  
SANITATION DISTRICT**  
18100 E. WOODMAN DRIVE  
PARKER, CO 80134  
TEL: (303) 841-4627

**BENCHMARK**  
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

**BASIS OF BEARINGS:**  
THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00°15'06" EAST, 2648.70 FEET.

PREPARED UNDER THE  
SUPERVISION OF



The seal is circular with a braided border. The text inside the seal reads: "COLORADO LICENSED PROFESSIONAL ENGINEER" around the top and sides, "BRIAN P. WILSON" in the center, "0050067" below the name, and "4-23-21" at the bottom. A blue ink signature "Brian P. Wilson" is written across the seal.

BRIAN P. WILSON  
COLORADO P.E. 0050067



CALL 811  
TWO WORKING DAYS  
BEFORE YOU DIG  
1-800-922-1987

**UNCC**  
UTILITY NOTIFICATION  
CENTER OF COLORADO

|                              |             |                |                                                                                           |                                                                  |                                                                                                                                                                                                                                                                                                        |                                                                          |
|------------------------------|-------------|----------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| SHEET NUMBER<br><br><b>1</b> | DRAWN BY:   | KJD            | <b>TRAILS AT CROWFOOT</b><br><b>FILING 11 CONSTRUCTION DRAWINGS</b><br><b>COVER SHEET</b> | <b>HR 935 LLC</b><br>7353 South Alton Way<br>CENTENNIAL CO 80112 |  <b>a Westwood team</b><br>10333 E. Dry Creek Rd.<br>Suite 240<br>Englewood, CO 80112<br>Tel: 720.482.952<br><a href="http://www.cwllc.net">www.cwllc.net</a><br><a href="http://westwoodps.com">westwoodps.com</a> | No. _____<br>Revisions _____<br>Date _____<br>Init. _____<br>Appr. _____ |
|                              | CHECKED BY: | JU             |                                                                                           |                                                                  |                                                                                                                                                                                                                                                                                                        |                                                                          |
|                              | SCALE:      | AS SHOWN       |                                                                                           |                                                                  |                                                                                                                                                                                                                                                                                                        |                                                                          |
|                              | FILE NO:    | 8130283701     |                                                                                           |                                                                  |                                                                                                                                                                                                                                                                                                        |                                                                          |
|                              | DATE:       | SEPTEMBER 2017 |                                                                                           |                                                                  |                                                                                                                                                                                                                                                                                                        |                                                                          |

N:\PROJECTS\HSS RANCH\CAD\ENGINEERING\SSHEET SETS\CD\SET 11\PARKER WATER AND SANITATION\F11 COVER.DWG, DATURANO, 4/22/2021 11:21 AM



CALL 811

TWO WORKING DAYS

BEFORE YOU DIG

1-800-922-1987

UNCC  
UTILITY NOTIFICATION  
CENTER OF COLORADO

GENERAL NOTES:

- ALL CONSTRUCTION SHALL COMPLY WITH PARKER WATER AND SANITATION DISTRICT SPECIFICATIONS.
- THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES AND THE TOWN OF PARKER PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING UTILITY (INCLUDING DEPTHS) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. ALL EXISTING UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. DAMAGED UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL ITEMS SHOWN ON THE PLANS AS EXISTING ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. THE ACTUAL LOCATIONS MAY VARY FROM THE PLANS, ESPECIALLY IN THE CASE OF UNDERGROUND UTILITIES. WHENEVER CONTRACTOR DISCOVERS A DISCREPANCY IN LOCATIONS, HE SHALL CONTACT THE ENGINEER IMMEDIATELY.
- THE DISTRICT ENGINEER AND OTHER APPROVING AGENCIES ARE TO BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ALL PERMITS THAT ARE NECESSARY TO PERFORM THE PROPOSED WORK.
- ALL CONCRETE SHALL BE A MINIMUM OF CLASS A, 6 SACK, TYPE II, 3000-POUND COMPRESSION STRENGTH.
- THE DESIGN ENGINEER SHALL SUBMIT ONE (1) SET OF ROLLED "AS-BUILT" BLUELINE PRINTS AND ELECTRONIC FILES TO THE DISTRICT ENGINEER FOR APPROVAL PRIOR TO PRINTING MYLAR SEPIAS FOR THE DISTRICT. AFTER APPROVAL HAS BEEN GRANTED BY THE DISTRICT ENGINEER, FULL SIZE MYLAR SEPIA PRINTS SHALL BE TRANSMITTED TO THE PARKER WATER AND SANITATION DISTRICT OFFICE.
- ALL BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY. COMPACTION TESTS MUST BE SUBMITTED TO DISTRICT ENGINEER PRIOR TO PROBATIONARY ACCEPTANCE.
- TRENCHES SHALL BE EXCAVATED AND THE PIPE EXPOSED FOR THE INSPECTION AT ANY LOCATION ON THE PROJECT IF SO ORDERED BY THE INSPECTOR.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER FUNCTIONING OF LINES (WATER AND SEWER) FOR UP TO TWO (2) YEARS FROM THE DATE OF PROBATIONARY ACCEPTANCE OF THE LINES BY THE DISTRICT. ANY MALFUNCTION DURING THIS PERIOD OF GUARANTEE SHALL BE REMEDIED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT ENGINEER AT NO EXPENSE TO THE DISTRICT.
- SURFACE GRADES ARE TO BE WITHIN PLUS OR MINUS ONE FOOT OF FINISHED GRADE AND VERIFICATION OF COMPACTION RESULTS OBTAINED PRIOR TO THE INSTALLATION OF WATER AND SEWER LINES. RESULTS MUST BE SUBMITTED TO THE DISTRICT ENGINEER.
- NO WORK SHALL BE BACKFILLED UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE DISTRICT ENGINEER OR REPRESENTATIVE OF THE DISTRICT ENGINEER.
- ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS: "X" FOR SANITARY SERVICE SEWERS "V" FOR WATER SERVICES
- NO TREES SHALL BE ALLOWED IN EASEMENTS OR WITHIN 8' OF ANY WATER OR SANITARY SEWER MAINS IN RIGHT OF WAY.
- THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PLANS WHICH HAVE BEEN APPROVED BY THE PARKER WATER AND SANITATION DISTRICT AND THE DISTRICT ENGINEER AND ONE (1) COPY OF THE LATEST PARKER WATER AND SANITATION DISTRICT SPECIFICATION MANUAL.

WATER MAIN NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE PARKER WATER AND SANITATION DISTRICT ENGINEERING STANDARDS AND SPECIFICATIONS, LATEST REVISIONS. ALL WORK SHALL BE INSPECTED AND APPROVED BY PERSONNEL OF THE PARKER WATER SANITATION DISTRICT AND THE DISTRICT ENGINEER.
- ALL WATER MAINS SHALL BE PER PWSO MATERIALS SPECIFICATIONS.
- ALL BENDS, PLUGS, REDUCERS, AND FIRE HYDRANTS TO BE RODDED OR MEGA-LUGGED. ALL FITTINGS SHALL BE WRAPPED WITH 8-MIL MINIMUM THICKNESS POLYETHYLENE MATERIAL PER PWSO MATERIALS SPECIFICATIONS.
- THERE SHALL BE A MINIMUM COVER OF 4.5 FEET OVER ALL WATER MAINS.
- FIRE HYDRANTS SHALL CONFORM TO AWWA C-502 "DRY BARREL FIRE HYDRANTS" PIPE HYDRANT ASSEMBLIES SHALL INCLUDE ALL PIPE, FITTINGS, VALVES, MATERIALS, AND LABOR WHICH ARE NECESSARY TO INSTALL THE HYDRANT COMPLETE IN PLACE. SEE MATERIALS SPECIFICATIONS FOR APPROVED MODELS.
- ALL BENDS, TEES, FIRE HYDRANTS, BLOW-OFFS AND PLUGS AT DEAD END MAINS SHALL BE PROTECTED FROM THRUST BY USING CONCRETE THRUST BLOCKS.
- PRECAUTIONS SHALL BE TAKEN TO PROTECT THE INTERIOR OF PIPES, FITTINGS, AND VALVES AGAINST CONTAMINATION. ALL OPENINGS IN THE PIPELINE SHALL BE CLOSED WITH WATERTIGHT PLUGS WHEN PIPE LAYING IS STOPPED AT THE CLOSE OF THE DAY'S WORK OR FOR OTHER REASONS, SUCH AS REST BREAKS OR MEAL PERIODS. THE MORE CLOSELY THE RATE OF DELIVERY IS CORRELATED TO THE RATE OF PIPE LAYING, THE LOWER THE RISK OF CONTAMINATION.
- CHLORINATION AND FLUSHING: ALL WATER MAINS SHALL BE INSTALLED AND CHLORINATED PER PARKER WATER AND SANITATION DISTRICT STANDARDS AND SPECIFICATIONS. THE LINES SHALL BE CHLORINATED IN ACCORDANCE WITH ANSI/AWWA C-651-92., "DISINFECTING WATER MAINS." PARKER WATER AND SANITATION DISTRICT REQUIRES THE INITIAL DOSAGE RATE OF DISINFECTION BE AT LEAST 50 MG PER LITER. CHLORINE TABLETS SHOULD BE ADHERED TO THE TOP OF THE PIPE SECTION WITH PERMATRX NO.1 (RED). THE CHLORINATION OF ANY FINISHED PIPELINE SHALL BE DONE PRIOR TO THE HYDROSTATIC TESTING.
- HYDROSTATIC TESTING: ALL WATER MAINS SHALL BE TESTED PER THE REQUIREMENTS OF THE PARKER WATER AND SANITATION DISTRICT STANDARDS AND SPECIFICATIONS. ALL PIPE SHALL BE FIELD PRESSURE TESTED TO A MINIMUM OF 150 PSI. ALL TESTING SHALL BE DONE IN THE PRESENCE OF A PARKER WATER AND SANITATION DISTRICT INSPECTOR. LEAKAGE FOR EACH SECTION OF PIPE BETWEEN LINES VALVES SHALL NOT EXCEED THE LIMITS SET FOURTH IN THE PARKER WATER AND SANITATION DISTRICT STANDARDS AND SPECIFICATIONS.
- VALVES IN STREETS ARE TO BE LOCATED AT PROPERTY LINE EXTENSIONS EXCEPT FOR TAPPING TEES WHERE AN ADDITIONAL VALVES SHALL BE PLACED ON THE TAPPING TEE. OTHER VALVE LOCATIONS, SUCH AS WHERE CROSS PANS EXIST, ARE SHOWN ON THE PLANS.
- WHEN NECESSARY TO LOWER OR RAISE WATER LINES AT STORM DRAINS AND OTHER UTILITY CROSSING, A MINIMUM CLEARANCE OF 1.50 FEET SHALL BE MAINTAINED BETWEEN OUTSIDE OF PIPES.
- THE CONTRACTOR SHALL NOTIFY THE PARKER WATER AND SANITATION DISTRICT AND THE DISTRICT ENGINEER AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION. IF WORK IS SUSPENDED FOR ANY PERIOD OF TIME AFTER INITIAL START-UP, THE CONTRACTOR MUST NOTIFY THE DISTRICT ENGINEER 48 HOURS PRIOR TO RE-START.
- PIPE BEDDING SHALL BE A CLEAN, WELL-GRADED SAND OR SQUEEGEE SAND IN ACCORDANCE WITH PARKER WATER AND SANITATION DISTRICT STANDARDS AND SPECIFICATIONS, LATEST REVISION.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC UTILITY COMPANIES AND DETERMINED THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO PROCEEDING WITH THE EXCAVATION. ALL WORK PERFORMED IN THE AREA OF THE PUBLIC UTILITIES SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS OF THESE AGENCIES.
- COMPACTION OF ALL TRENCHES MUST BE ATTAINED IN ACCORDANCE WITH THE SOILS REPORTS AND COMPACTION TEST RESULTS SUBMITTED TO THE DISTRICT ENGINEER PRIOR TO PROBATIONARY ACCEPTANCE.
- VALVE BOXES: TYLER SCREW-TYPE 6 INCHES CAST IRON VALVE BOX ASSEMBLY SERIES 6860 WITH NO. 160 OVAL BASE. CLAY AND BAILEY SCREW-TYPE 6 INCH CAST IRON VALVE BOX ASSEMBLY NO. P-108 WITH NO. 106 LARGE OVAL BASE.
- ALL PIPE LENGTHS ARE APPROXIMATE.
- AT LEAST FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING WILL BE HELD AT THE OFFICE OF THE DISTRICT ENGINEER AND ATTENDED BY THE CONTRACTOR AND REPRESENTATIVE OF OTHER APPROVING AGENCIES. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE DISTRICT ENGINEER.

SANITARY SEWER NOTES:

- ALL SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE PARKER WATER AND SANITATION DISTRICT SPECIFICATION.
- ALL SEWER MAINS SHALL BE PVC, ASTM D-3034, SDR 35 OR APPROVED EQUAL. ALL SEWER MAIN SIZE IS 8" IN DIAMETER UNLESS OTHERWISE NOTED.
- SEWER LINES SHALL BE INSTALLED 5.0 FEET SOUTH OR WEST OF STREET CENTERLINE, UNLESS OTHERWISE SHOWN ON PLANS. SEWER LINES SHALL BE 10.00 FEET FROM WATER LINES EXCEPT WHEN CROSSING EACH OTHER. SEWER LINES WHICH CROSS LESS THAN 1.50 FEET VERTICALLY FROM THE WATER MAIN SHALL BE ENCASED IN CONCRETE AS PER PARKER WATER AND SANITATION DISTRICT STANDARD AND SPECIFICATIONS. USE RUBBER GASKETS FOR PVC ENCASEMENT.
- SEWER RIM ELEVATIONS SHOWN ARE APPROPRIATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. RING AND COVER SHALL BE SET IN CENTERED CONCRETE RINGS WITH RAM-NECK FOR ADJUSTMENT TO MATCH FINAL PAVEMENT ELEVATIONS.
- THE CONTRACTOR AND SURVEY CREW SHALL VERIFY ELEVATIONS OF EXISTING SEWER LINES AND MANHOLES TO BE TIED TO PRIOR TO CONSTRUCTION OR STAKING OF SANITARY SEWER.
- NO UNDERDRAIN SYSTEM WILL BE ALLOWED TO BE PLACED IN MAINLINE OR SEWER SERVICE TRENCHES.
- SEWER SERVICE TEES FOR EACH UNIT SHALL BE STAKED BY A SURVEY CREW AND FURNISHED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH TO THE ENGINEER "AS CONSTRUCTED" LOCATION OF TEES. SEWER WYES SHALL BE USED RATHER THAN TEES.
- ALL MANHOLES SHALL BE 48-INCHES IN DIAMETER WITH 24-INCH RING AND COVER, ECCENTRIC CONE UNLESS OTHERWISE SPECIFIED.
- PIPE BEDDING SHALL BE CLASS "B" AND SHALL CONFORM TO ASTM C-33 OR D-448 GRADATION NO. 6 OR NO. 67.
- AT LEAST FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING WILL BE HELD AT THE OFFICE OF THE DISTRICT ENGINEER AND ATTENDED BY THE CONTRACTOR AND REPRESENTATIVES OF THE OTHER APPROVING AGENCIES. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE DISTRICT ENGINEER TO SCHEDULE THIS MEETING.
- ALL PIPE LENGTHS ARE APPROXIMATE.
- THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PLANS WHICH HAVE BEEN APPROVED BY THE PARKER WATER AND SANITATION DISTRICT AND THE DISTRICT ENGINEER AND ONE (1) COPY OF THE LATEST PARKER WATER AND SANITATION DISTRICT SPECIFICATION MANUAL.
- ALL MANHOLES SHALL HAVE SHAPED INVERTS.
- ALL SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE PARKER WATER AND SANITATION DISTRICT STANDARDS AND SPECIFICATIONS PRIOR TO ACCEPTANCE OR ANY CONNECTION TO AN EXISTING SEWER LINE.
- PRIOR TO START WORK WHERE SEWER MAIN TO BE INSTALLED INTO EXISTING DISTRICT SEWER SYSTEMS. THE NEAREST MANHOLE TO THE POINT OF TIE-IN SHALL BE PLUGGED WITH A PLUMBER'S PLUG ON THE INLET SIDE BY THE CONTRACTOR. THIS PLUG SHALL REMAIN IN PLACE UNTIL FINAL ACCEPTANCE BY THE DISTRICT. ITS PURPOSE SHALL BE TO PREVENT ANY MUD, WATER OR OTHER MATERIALS FROM ENTERING THE LINE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PUMPING AND CLEANING THESE MANHOLES AND REMOVING THE PLUG WHEN SO INSTRUCTED BY THE DISTRICT.
- PRIOR TO PROBATIONARY ACCEPTANCE WALK-THROUGH, THE CLIENT SHALL JET CLEAN THE ENTIRE SANITARY SEWER SYSTEM AND PUMP OUT AT THE PLUGGED MANHOLE.

DISTRICT ACCEPTANCE NOTES:

- UPON COMPLETION OF SANITARY SEWER AND WATER CONSTRUCTION AND TESTING, THE DEVELOPER OR CONTRACTOR SHALL CONTACT THE DISTRICT FOR PROBATIONARY ACCEPTANCE INSPECTION. A PUNCHLIST WILL BE PROVIDED THE DEVELOPER AND CONTRACTOR UPON COMPLETION OF THE INITIAL WALK-THRU AND PROBATIONARY ACCEPTANCE WILL BE ISSUED FOLLOWING COMPLETION AND ACCEPTANCE OF THE WORK OUTLINED IN THE PUNCHLIST.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER FUNCTIONING OF THE LINES FOR UP TO TWO (2) YEARS FROM THE DATE OF PROBATIONARY ACCEPTANCE OF THE LINES BY THE DISTRICT. ANY MALFUNCTION DURING THIS PERIOD OF GUARANTEE SHALL BE REMEDIED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT ENGINEER AT NO EXPENSE TO THE DISTRICT.
- THE DATE OF FINAL ACCEPTANCE WILL BE INDICATED IN THE CONDITIONS OF THE PROBATIONARY ACCEPTANCE LETTER. THE DEVELOPER SHALL BE RESPONSIBLE FOR CONTACTING THE DISTRICT FOR FINAL INSPECTION AND FINAL ACCEPTANCE.

|              |               |                 |                      |                 |                     |                                                                                            |                                                            |                                                                                                                                                                                                                         |     |           |       |       |      |
|--------------|---------------|-----------------|----------------------|-----------------|---------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|-------|-------|------|
| SHEET NUMBER | DRAWN BY: KJD | CHECKED BY: JJJ | DATE: SEPTEMBER 2017 | SCALE: AS SHOWN | FILE NO: 8130283701 | TRAILS AT CROWFOOT<br>FILING 11 CONSTRUCTION DRAWINGS<br>PARKER WATER AND SANITATION NOTES | HR 935 LLC<br>7353 South Alton Way<br>CENTENNIAL, CO 80112 |  <div>10333 E. Dry Creek Rd.<br/>Suite 240<br/>Englewood, CO 80112<br/>Tel: 720.482.952<br/>www.cvlinc.net<br/>westwoodjpa.com</div> | No. | Revisions | Date  | Appr. | Date |
|              |               |                 |                      |                 |                     |                                                                                            |                                                            |                                                                                                                                                                                                                         |     |           | Init. |       |      |
|              |               |                 |                      |                 |                     |                                                                                            |                                                            |                                                                                                                                                                                                                         |     |           |       |       |      |
|              |               |                 |                      |                 |                     |                                                                                            |                                                            |                                                                                                                                                                                                                         |     |           |       |       |      |

BENCHMARK  
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

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THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00° 15'06" EAST, 2648.70 FEET.

PREPARED UNDER THE  
SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067

N:\PROJECTS\HSS RANCH\CD\ENGINEERING\SSHEET SET\CD\SF11 PARKER WATER AND SANITATION\FIG 11 AREA UTILITY PLAN.DWG, CDDVA, 4/22/2021 11:26 AM

| SERVICE TABLE      |                 |                     |                  |
|--------------------|-----------------|---------------------|------------------|
| FILING, BLOCK, LOT | STREET          | SANITARY STATIONING | WATER STATIONING |
| F11,B1,L1          | FIELD MINT PT   | 10+86.86            | 10+96.03         |
| F11,B1,L2          | FIELD MINT PT   | 11+48.45            | 11+55.50         |
| F11,B1,L3          | FIELD MINT PT   | 11+72.05            | 11+79.41         |
| F11,B1,L4          | FIELD MINT PT   | 12+25.65            | 12+35.65         |
| F11,B1,L5          | FIELD MINT PT   | 12+85.65            | 12+95.65         |
| F11,B1,L6          | FIELD MINT PT   | 13+45.65            | 13+55.65         |
| F11,B1,L7          | FIELD MINT PT   | 13+94.01            | 14+15.65         |
| F11,B1,L8          | FIELD MINT PT   | 14+58.49            | 14+75.65         |
| F11,B1,L9          | FIELD MINT PT   | 15+22.97            | 15+35.65         |
| F11,B1,L10         | FIELD MINT PT   | 15+68.82            | 15+90.41         |
| F11,B2,L1          | ALPINE PHLOX LN | 18+94.35            | 19+04.49         |
| F11,B2,L2          | ALPINE PHLOX LN | 19+49.49            | 19+59.63         |
| F11,B2,L3          | ALPINE PHLOX LN | 20+04.10            | 20+14.14         |
| F11,B2,L4          | ALPINE PHLOX LN | 20+50.23            | 20+60.02         |
| F11,B2,L5          | ALPINE PHLOX LN | 20+91.61            | 20+81.08         |
| F11,B2,L6          | ALPINE PHLOX LN | 21+57.03            | 21+45.61         |
| F11,B2,L7          | ALPINE PHLOX LN | 22+08.99            | 21+98.84         |
| F11,B2,L8          | ALPINE PHLOX LN | 22+64.44            | 22+74.75         |
| F11,B2,L9          | ALPINE PHLOX LN | 23+26.39            | 23+13.65         |
| F11,B2,L10         | ALPINE PHLOX LN | 23+86.94            | 23+75.30         |
| F11,B2,L11         | ALPINE PHLOX LN | 24+40.85            | 24+30.56         |
| F11,B2,L12         | BLACK SEDGE CIR | 13+44.85            | 13+56.05         |
| F11,B2,L13         | BLACK SEDGE CIR | 13+44.85            | 13+32.96         |
| F11,B2,L14         | BLACK SEDGE CIR | 13+12.24            | 13+03.58         |
| F11,B2,L15         | BLACK SEDGE CIR | 12+69.52            | 12+58.14         |
| F11,B2,L16         | BLACK SEDGE CIR | 12+21.29            | 12+11.94         |
| F11,B2,L17         | BLACK SEDGE CIR | 11+77.36            | 11+63.60         |
| F11,B2,L18         | BLACK SEDGE CIR | 11+27.08            | 11+17.05         |
| F11,B2,L19         | BLACK SEDGE CIR | 10+96.09            | 11+07.13         |
| F11,B2,L20         | BLACK SEDGE CIR | 10+69.86            | 10+59.55         |
| F11,B2,L21         | BLACK SEDGE CIR | 10+52.47            | 10+41.49         |
| F11,B3,L1          | FIELD MINT PT   | 12+65.05            | 12+75.05         |
| F11,B3,L2          | FIELD MINT PT   | 13+25.65            | 13+35.65         |
| F11,B3,L3          | FIELD MINT PT   | 13+89.68            | 14+04.01         |
| F11,B3,L4          | FIELD MINT PT   | 14+56.19            | 14+68.49         |
| F11,B3,L5          | FIELD MINT PT   | 15+20.29            | 15+32.97         |
| F11,B3,L6          | FIELD MINT PT   | 15+66.82            | 15+78.82         |
| F11,B3,L7          | FIELD MINT AVE  | 19+33.10            | 19+41.88         |
| F11,B3,L8          | FIELD MINT AVE  | 18+24.56            | 18+37.44         |
| F11,B3,L9          | FIELD MINT AVE  | 17+21.59            | 17+45.45         |
| F11,B3,L10         | FIELD MINT AVE  | 16+33.91            | 16+42.10         |
| F11,B3,L11         | FIELD MINT AVE  | 15+41.36            | 15+52.51         |
| F11,B3,L12         | ALPINE PHLOX LN | 24+40.85            | 24+24.97         |
| F11,B3,L13         | ALPINE PHLOX LN | 23+84.93            | 23+66.94         |
| F11,B3,L14         | ALPINE PHLOX LN | 23+24.39            | 23+11.68         |
| F11,B3,L15         | ALPINE PHLOX LN | 22+62.44            | 22+53.03         |
| F11,B3,L16         | ALPINE PHLOX LN | 22+11.00            | 22+00.82         |
| F11,B3,L17         | ALPINE PHLOX LN | 21+55.03            | 21+43.62         |
| F11,B4,L1          | FIELD MINT AVE  | 10+87.86            | 10+97.94         |
| F11,B4,L2          | FIELD MINT AVE  | 11+50.26            | 11+60.34         |
| F11,B4,L3          | FIELD MINT AVE  | 12+12.66            | 12+22.75         |
| F11,B4,L4          | FIELD MINT AVE  | 12+88.99            | 12+99.08         |
| F11,B5,L1          | FIELD MINT AVE  | 14+05.95            | 14+16.06         |
| F11,B5,L2          | FIELD MINT AVE  | 14+59.51            | 14+69.62         |
| F11,B5,L3          | FIELD MINT AVE  | 15+12.73            | 15+22.99         |
| F11,B5,L4          | FIELD MINT AVE  | 15+63.39            | 15+75.40         |
| F11,B5,L5          | FIELD MINT AVE  | 16+10.02            | 16+19.34         |
| F11,B6,L1          | FIELD MINT AVE  | 17+19.66            | 17+30.95         |
| F11,B6,L2          | FIELD MINT AVE  | 17+74.21            | 17+81.57         |

FIRE DEPARTMENT APPROVAL

ALL FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO WATER UTILITY STANDARDS. THE NUMBER AND LOCATIONS OF THE FIRE HYDRANTS AS SHOWN ON THE OVERALL UTILITY PLAN ARE CORRECT AS SPECIFIED BY THE TOWN OF PARKER, COMMUNITY DEVELOPMENT DEPARTMENT.

05/04/2021  
DATE  
FIRE CODE OFFICIAL OR DESIGNATED REPRESENTATIVE

(NOTE - UNDERGROUND FIRE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENT OF NFPA 24 WHEN SUBMITTING FOR REVIEW.

BENCHMARK  
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

BASIS OF BEARINGS:  
THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00°15'06" EAST, 2648.70 FEET.

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGN, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

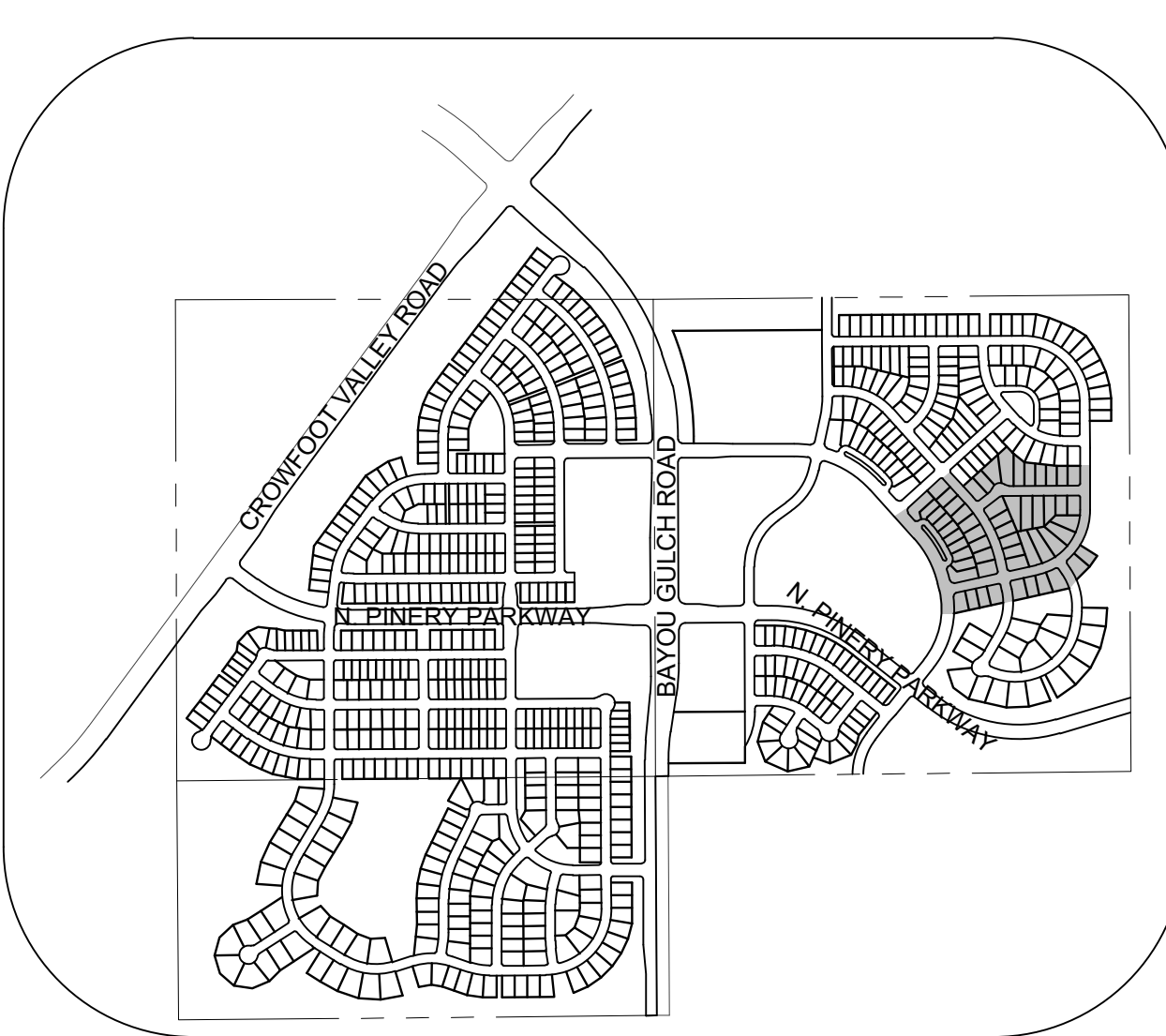
THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.

TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE

PREPARED UNDER THE SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067



KEYMAP  
N.T.S.  
LEGEND

|       |                                       |      |                                  |
|-------|---------------------------------------|------|----------------------------------|
| ②     | BLOCK NUMBER                          | △    | PROPOSED RANGE POINT             |
| Ⓐ     | LOT TYPE                              | ---  | CENTERLINE                       |
| 6     | LOT NUMBER                            | ---  | RIGHT-OF-WAY                     |
| ⊕     | PROPOSED BUTTERFLY VALVE              | ---  | PROPERTY LINE                    |
| ⌈     | PROPOSED CAP WITH END OF LINE BLOWOFF | ---  | EDGE OF PAVEMENT                 |
| ⊘     | PROPOSED REDUCER                      | →    | PROPOSED DIRECTION OF FLOW       |
| ⊕     | PROPOSED VALVE                        | 1.0% | PROPOSED SLOPE & DIRECTION       |
| ⊕     | PROPOSED FIRE HYDRANT                 | 5615 | EXISTING 5' CONTOUR              |
| ⊕     | PROPOSED WL FITTING WITH THRUST BLOCK | 5616 | EXISTING 1' CONTOUR              |
| ⊕     | PROPOSED FLARED END SECTION           | 5620 | PROPOSED 5' CONTOUR              |
| ⊕     | PROPOSED LOW POINT BLOW-OFF           | 5607 | PROPOSED 1' CONTOUR              |
| ⊕     | PROPOSED AIR VALVE                    | ---  | PROPOSED STORM DRAIN             |
| ⊕     | FUTURE PHASE VALVE                    | ---  | PROPOSED SEWER LINE WITH MANHOLE |
| ⊕     | FUTURE FIRE HYDRANT                   | ---  | PROPOSED SEWER LATERAL           |
| ⊕     | PROPOSED LIGHT POLE                   | ---  | PROPOSED WATER LINE              |
| ⊕     | PROPOSED SIDEWALK                     | ---  | PROPOSED WATER LATERAL W/ METER  |
| ⊕     | PROPOSED SIDEWALK RAMP                | ---  | SECTION LINE                     |
| 10.00 | EXISTING ELEVATION                    | ---  | FILING BOUNDARY                  |
| 10.00 | PROPOSED DESIGN ELEVATION             | FO   | EXISTING FIBER OPTIC LINE        |
| ⊕     | PROPOSED STORM DRAIN INLET            | OH   | EXISTING OVERHEAD POWER          |
| ⊕     | PROPOSED STORM DRAIN MANHOLE          | TEL  | EXISTING TELEPHONE LINE          |
| ⊕     |                                       | ---  | PWSD EASEMENT                    |
| ⊕     |                                       | ---  | TYP. EASEMENT                    |

ABBREVIATIONS

|     |                        |        |                                 |
|-----|------------------------|--------|---------------------------------|
| AD  | ANGLE DIFFERENCE       | MH     | MANHOLE                         |
| AV  | AIR VAC RELEASE VALVE  | N.T.S. | NOT TO SCALE                    |
| BVC | BEGIN VERTICAL CURVE   | PVC    | POLYVINYL CHLORIDE              |
| BVP | BEGIN VERTICAL PROFILE | PVI    | PT. OF VERTICAL INTERSECTION    |
| CBO | CAP WITH BLOW OFF      | PVT    | POINT OF VERTICAL TANGENT       |
| CRR | CURB RETURN RADIUS     | RCBC   | REINFORCED CONCRETE BOX CULVERT |
| EL  | ELEVATION              | RCP    | REINFORCED CONCRETE PIPE        |
| EP  | EDGE OF PAVEMENT       | ROW    | RIGHT OF WAY                    |
| EVC | END VERTICAL CURVE     | SC     | SANITARY CAP                    |
| EVP | END VERTICAL PROFILE   | SD     | STORM DRAIN                     |
| FG  | FINISHED GROUND        | SL     | SECTION LINE                    |
| FH  | FIRE HYDRANT           | SS     | SANITARY SEWER                  |
| FL  | FLOW LINE              | STA    | STATION                         |
| GV  | GATE VALVE             | T.O.P. | TOP OF PIPE                     |
| HCR | HANDICAP CURB RAMP     | UE     | UTILITY EASEMENT                |
| HP  | HIGH POINT             | VC     | VERTICAL CURVE                  |
| INV | INVERT                 | WL     | WATER LINE                      |
| K   | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF  | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |

THE DISTRICT INSPECTOR MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. CALL PARKER WATER AND SANITATION DISTRICT AT 303-841-4627. THE DISTRICT WILL PROVIDE PERIODIC INSPECTIONS OF THE WORK. 24 HOUR NOTICE TO THE INSPECTOR IS REQUIRED FOR SCHEDULELINE INSPECTIONS. ANY WORK ACCOMPLISHED WITHOUT THE APPROVAL OF THE INSPECTOR WILL BE SUBJECT TO REJECTION.

REVIEWED FOR CONFORMANCE TO PARKER WATER AND SANITATION DISTRICT STANDARDS.

BY: (DISTRICT REPRESENTATIVE) DATE

APPROVED FOR CONSTRUCTION:  
PARKER WATER AND SANITATION DISTRICT

BY: (DISTRICT ENGINEER) DATE

10333 E. Dry Creek Rd.  
Suite 240  
Englewood, CO 80112  
Tel: 720.482.952  
www.cvlinc.net  
westwoodpa.com



HR 935 LLC  
7353 South Alton Way  
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT  
FILING 11 CONSTRUCTION DRAWINGS  
AREA UTILITY PLAN

SCALE: AS SHOWN  
DRAWN BY: JLR  
CHECKED BY: JLU  
FILE NO: 8130283701

DATE: SEPTEMBER 2017

SHEET NUMBER 3



N:\PROJECTS\HSS RANCH\ENGINEERING\SET\SD\SF11\PARKE WATER AND SANITATION\SANITARY PLAN AND PROFILE\BEEBALM AVENUE.DWG, CDD\A, 4/22/2021 11:32 AM



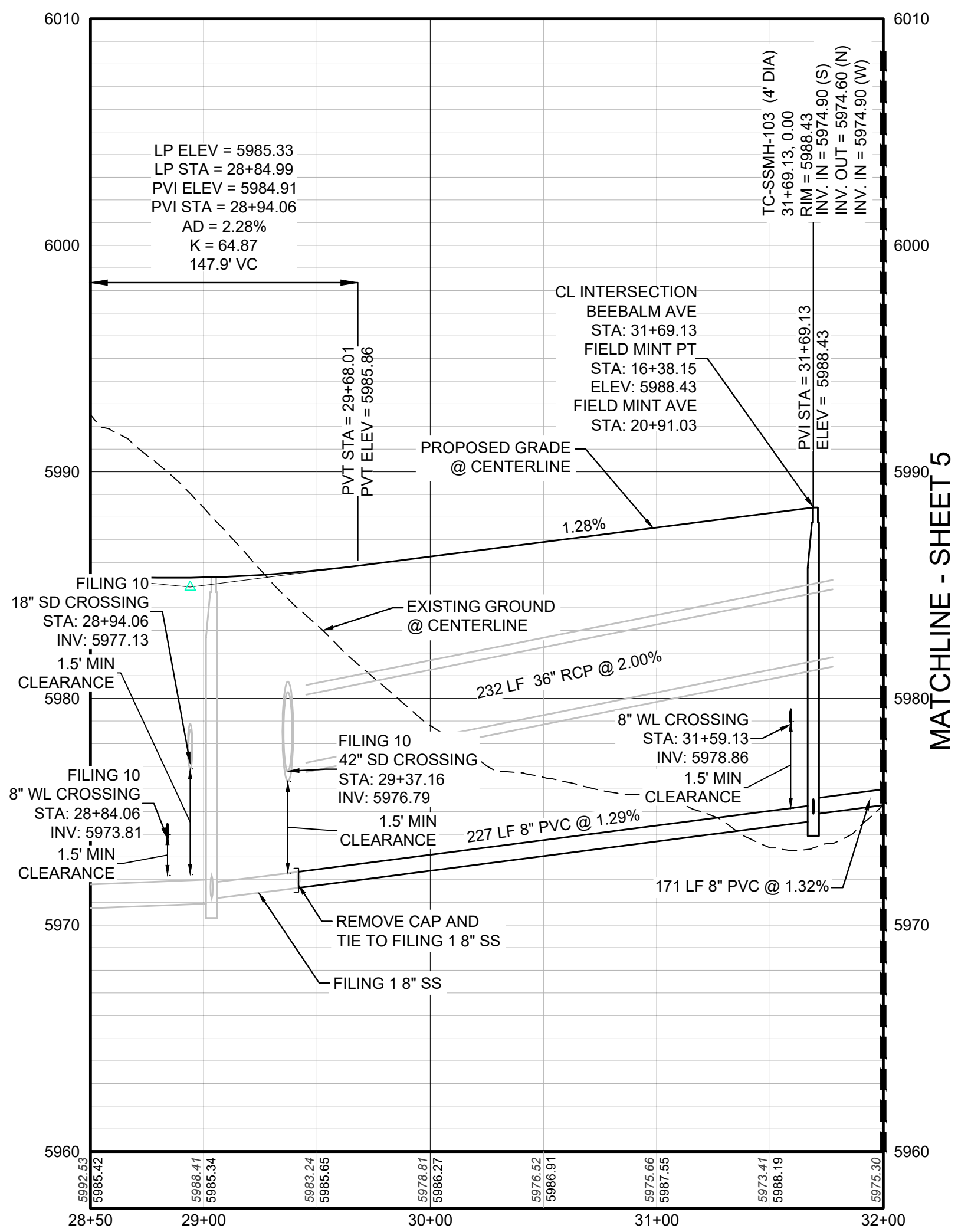
UNCC  
UTILITY NOTIFICATION  
CENTER OF COLORADO

CALL 811

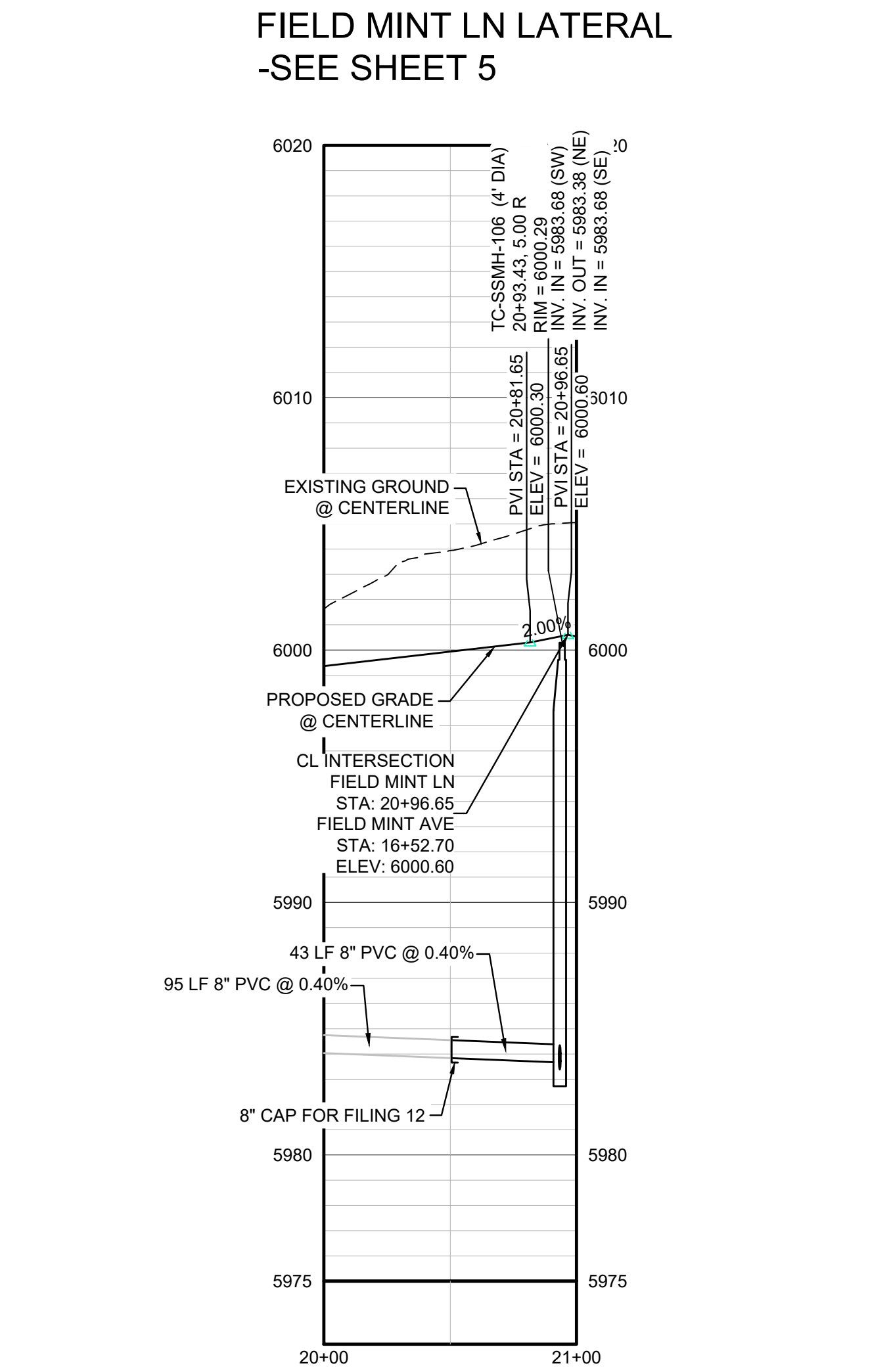
TWO WORKING DAYS

BEFORE YOU DIG

1-800-922-1987



PROFILE: BEEBALM AVE STA: 28+50.00 TO 32+00.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'



PROFILE: FIELD MINT LN STA: 20+00.00 TO 21+00.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

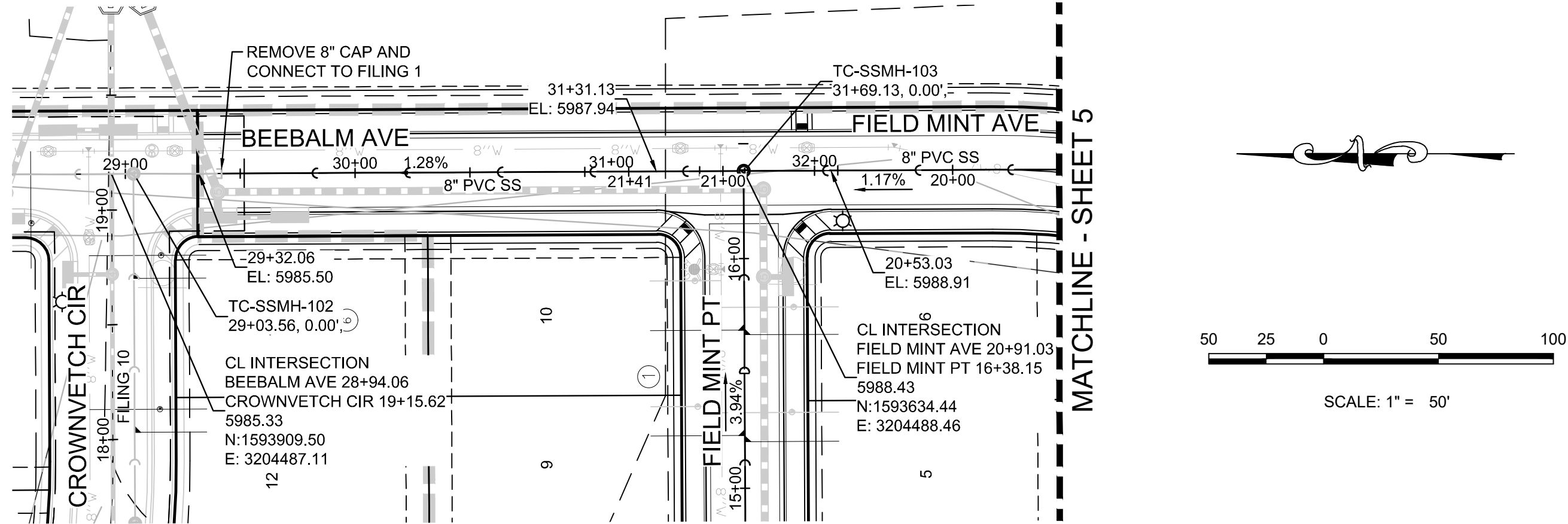
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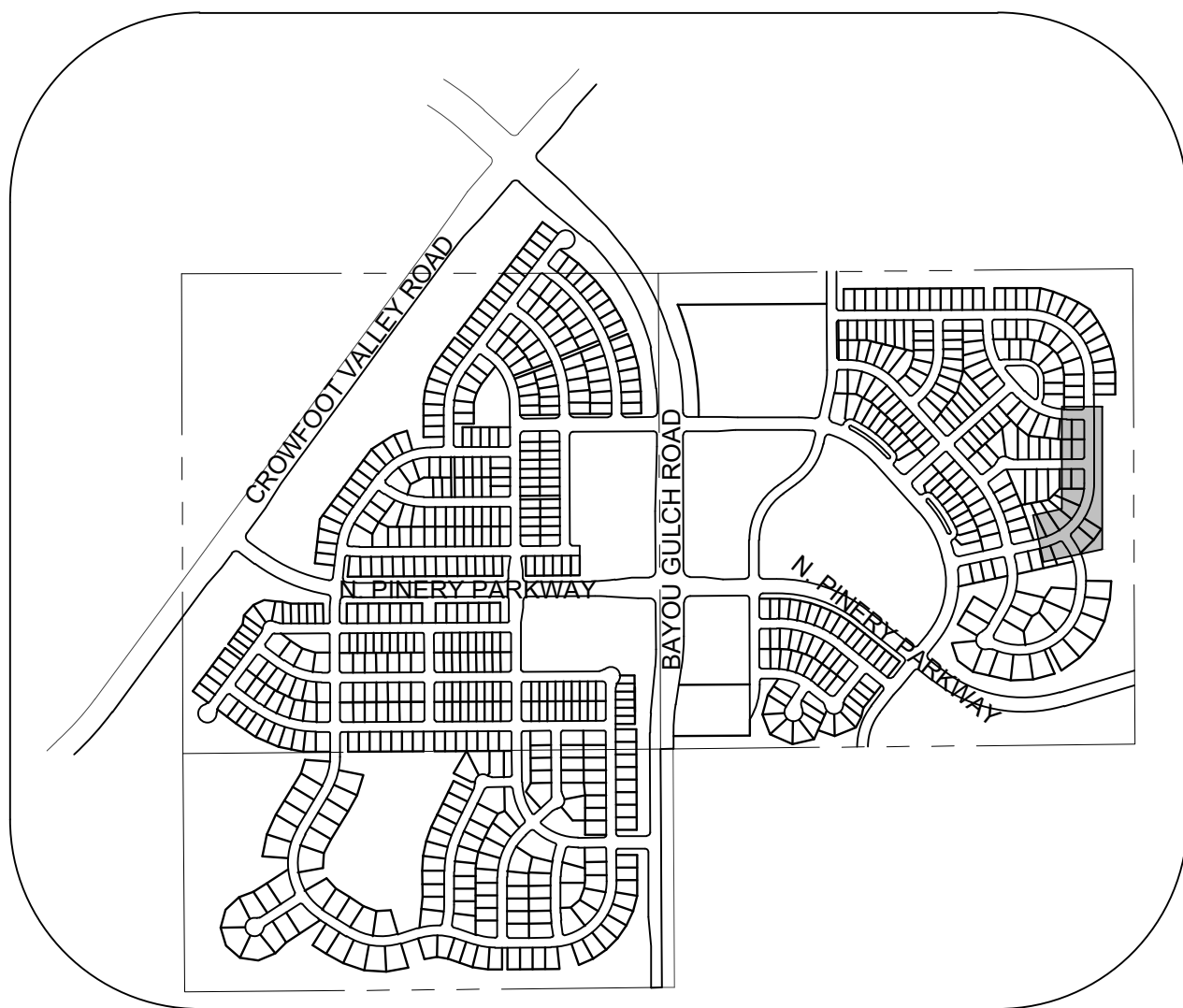
PREPARED UNDER THE SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067



PLAN: BEEBALM AVE STA: 28+50 TO 32+00  
HORIZONTAL SCALE: 1" = 50'



KEYMAP  
N.T.S.

② BLOCK NUMBER

Ⓐ LOT TYPE

6 PROPOSED BUTTERFLY VALVE

PROPOSED CAP WITH END OF LINE BLOWOFF

PROPOSED REDUCER

PROPOSED VALVE

PROPOSED FIRE HYDRANT

PROPOSED WL FITTING WITH THRUST BLOCK

PROPOSED FLARED END SECTION

PROPOSED LOW POINT BLOW-OFF

PROPOSED AIR VALVE

FUTURE PHASE VALVE

FUTURE FIRE HYDRANT

PROPOSED LIGHT POLE

PROPOSED SIDEWALK RAMP

EXISTING ELEVATION

PROPOSED DESIGN ELEVATION

PROPOSED STORM DRAIN INLET

PROPOSED STORM DRAIN MANHOLE

△ PROPOSED RANGE POINT

--- CENTERLINE

--- RIGHT-OF-WAY

--- PROPERTY LINE

--- EDGE OF PAVEMENT

→ PROPOSED DIRECTION OF FLOW

1.0% PROPOSED SLOPE & DIRECTION

5615 EXISTING 5' CONTOUR

5616 EXISTING 1' CONTOUR

5620 PROPOSED 5' CONTOUR

5607 PROPOSED 1' CONTOUR

--- PROPOSED STORM DRAIN

--- PROPOSED SEWER LINE WITH MANHOLE

--- PROPOSED SEWER LATERAL

--- PROPOSED WATER LINE

--- PROPOSED WATER LATERAL W/ METER

--- SECTION LINE

--- FILING BOUNDARY

--- FO EXISTING FIBER

--- OH EXISTING OVERHEAD POWER

--- TEL EXISTING TELEPHONE LINE

--- PWS D EASEMENT

--- TYP. EASEMENT

AD ANGLE DIFFERENCE

AV AIR VAC RELEASE VALVE

BVC BEGIN VERTICAL CURVE

BVP BEGIN VERTICAL PROFILE

CBO CAP WITH BLOW OFF

CRR CURB RETURN RADIUS

EL ELEVATION

EP EDGE OF PAVEMENT

EVC END VERTICAL CURVE

EVP END VERTICAL PROFILE

FG FINISHED GROUND

FH FIRE HYDRANT

FL FLOW LINE

GV GATE VALVE

HCR HANDICAP CURB RAMP

HP HIGH POINT

INV INVERT

K CURVATURE COEFFICIENT

LF LINEAR FEET

MH MANHOLE

N.T.S. NOT TO SCALE

PVC POLYVINYL CHLORIDE

PVI PT. OF VERTICAL INTERSECTION

PVT POINT OF VERTICAL TANGENT

RCBC REINFORCED CONCRETE BOX CULVERT

RCP REINFORCED CONCRETE PIPE

ROW RIGHT OF WAY

SC SANITARY CAP

SD STORM DRAIN

SL SECTION LINE

SS SANITARY SEWER

STA STATION

T.O.P. TOP OF PIPE

UE UTILITY EASEMENT

VC VERTICAL CURVE

WL WATER LINE

WLC WATER LINE CONNECTION

WSE WATER SURFACE ELEVATION

1. SEE SHEET 3 - AREA UTILITY PLAN FOR SANITARY SERVICE TABLE

10333 E. Dry Creek Rd.  
Suite 240  
Englewood, CO 80112  
Tel: 720.482.952  
www.cvlinc.net  
westwoodjpa.com



a Westwood team

HR 935 LLC  
7353 South Alton Way  
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT

FILING 11 CONSTRUCTION DRAWINGS

SANITARY SEWER PLAN AND PROFILE

BEEBALM AVENUE & FIELD MINT LANE

SCALE: AS SHOWN

FILE NO: 8130283701

DRAWN BY: JLR

CHECKED BY: JLU

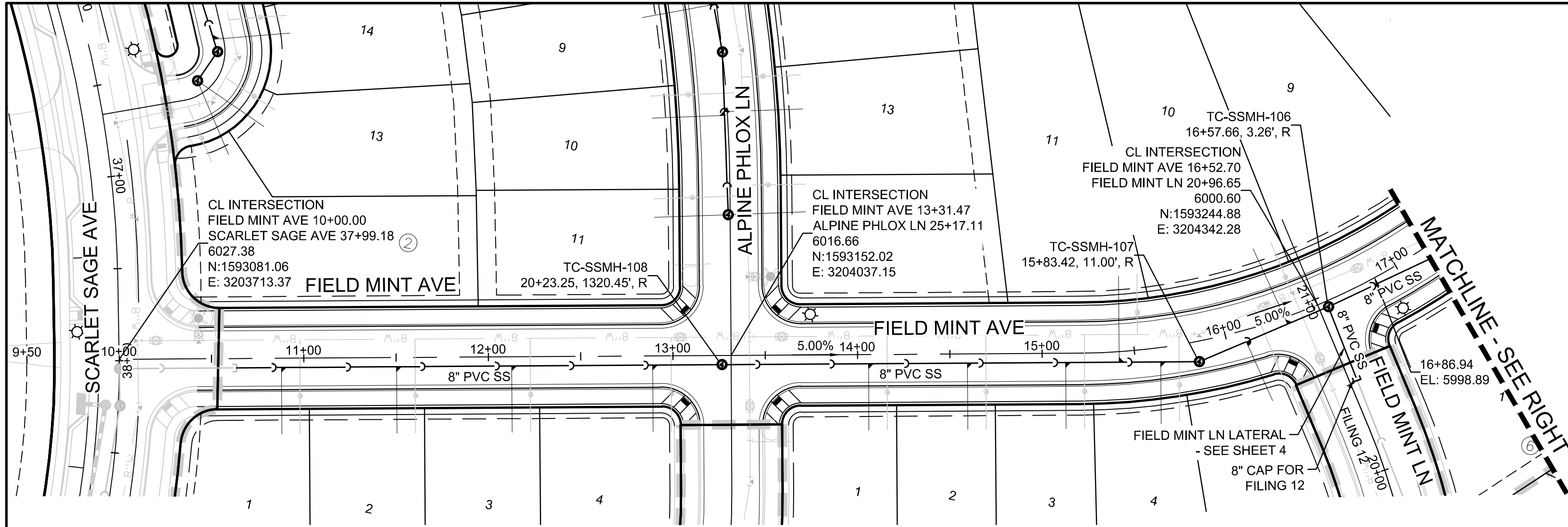
DATE: SEPTEMBER 2017

SHEET NUMBER

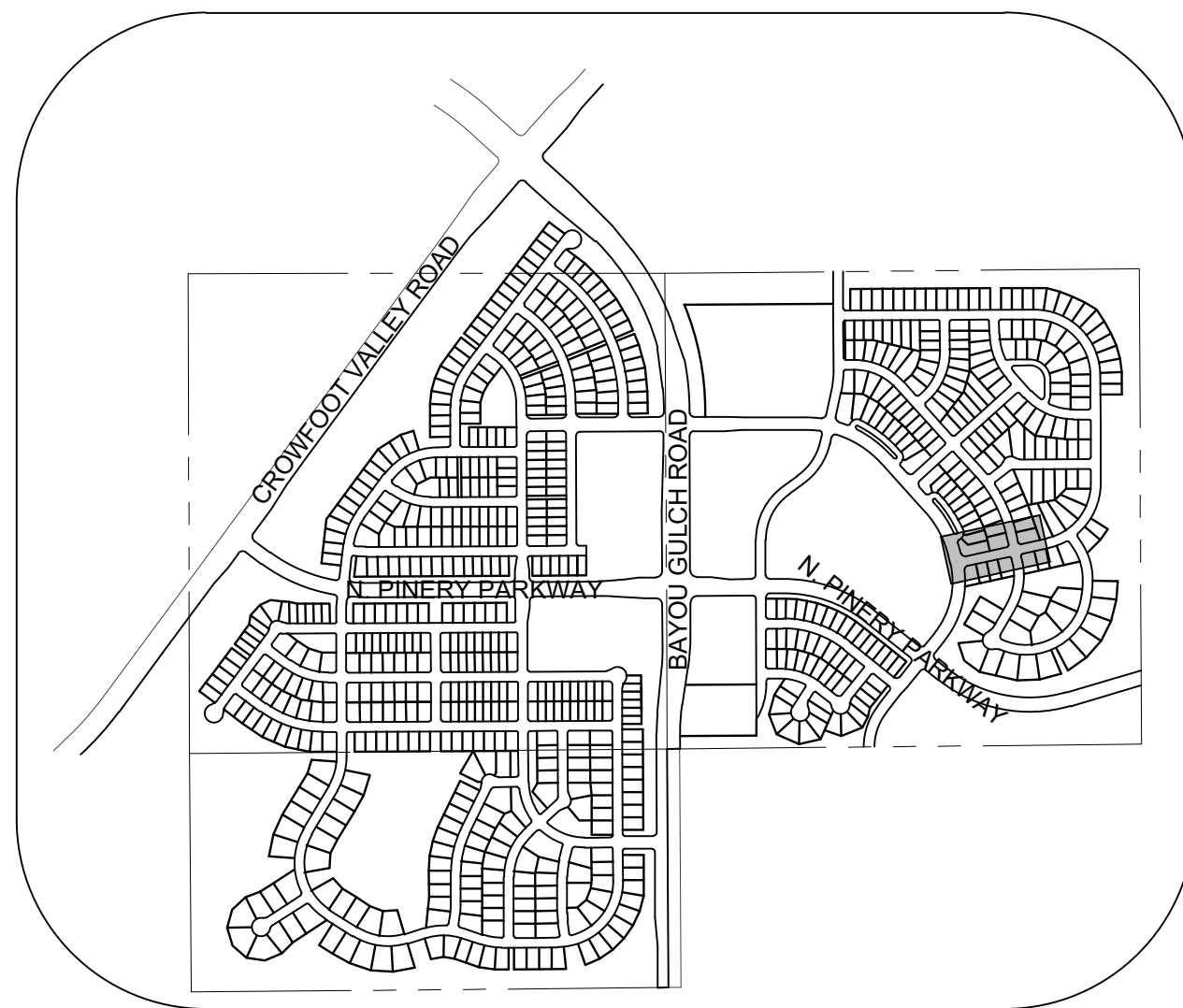
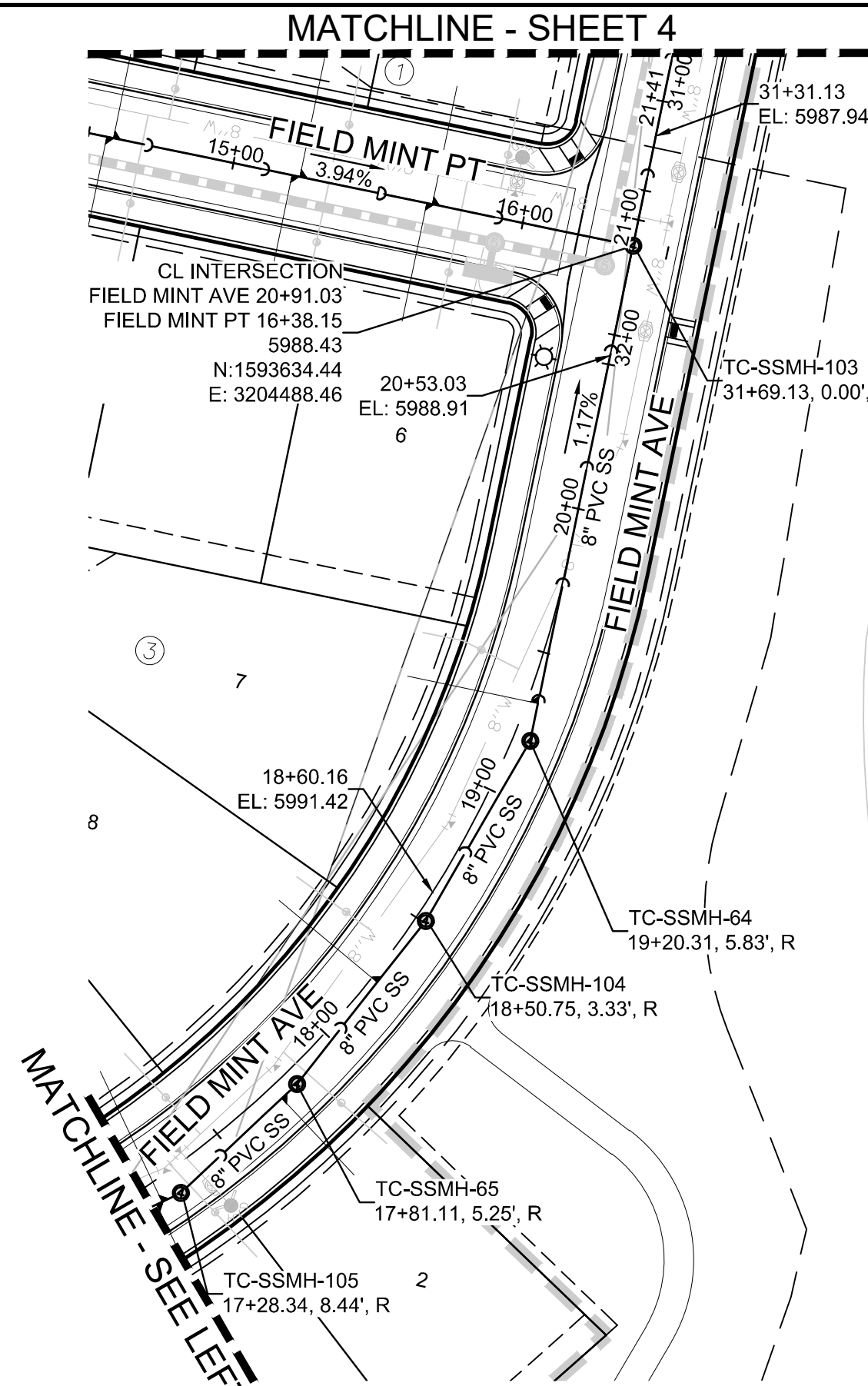
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Revisions

| No. | Date | Init. | Appr. | Date |
|-----|------|-------|-------|------|
|     |      |       |       |      |
|     |      |       |       |      |
|     |      |       |       |      |
|     |      |       |       |      |



PLAN: FIELD MINT AVE STA: 9+50.00 TO 21+50.00  
HORIZONTAL SCALE: 1" = 50'



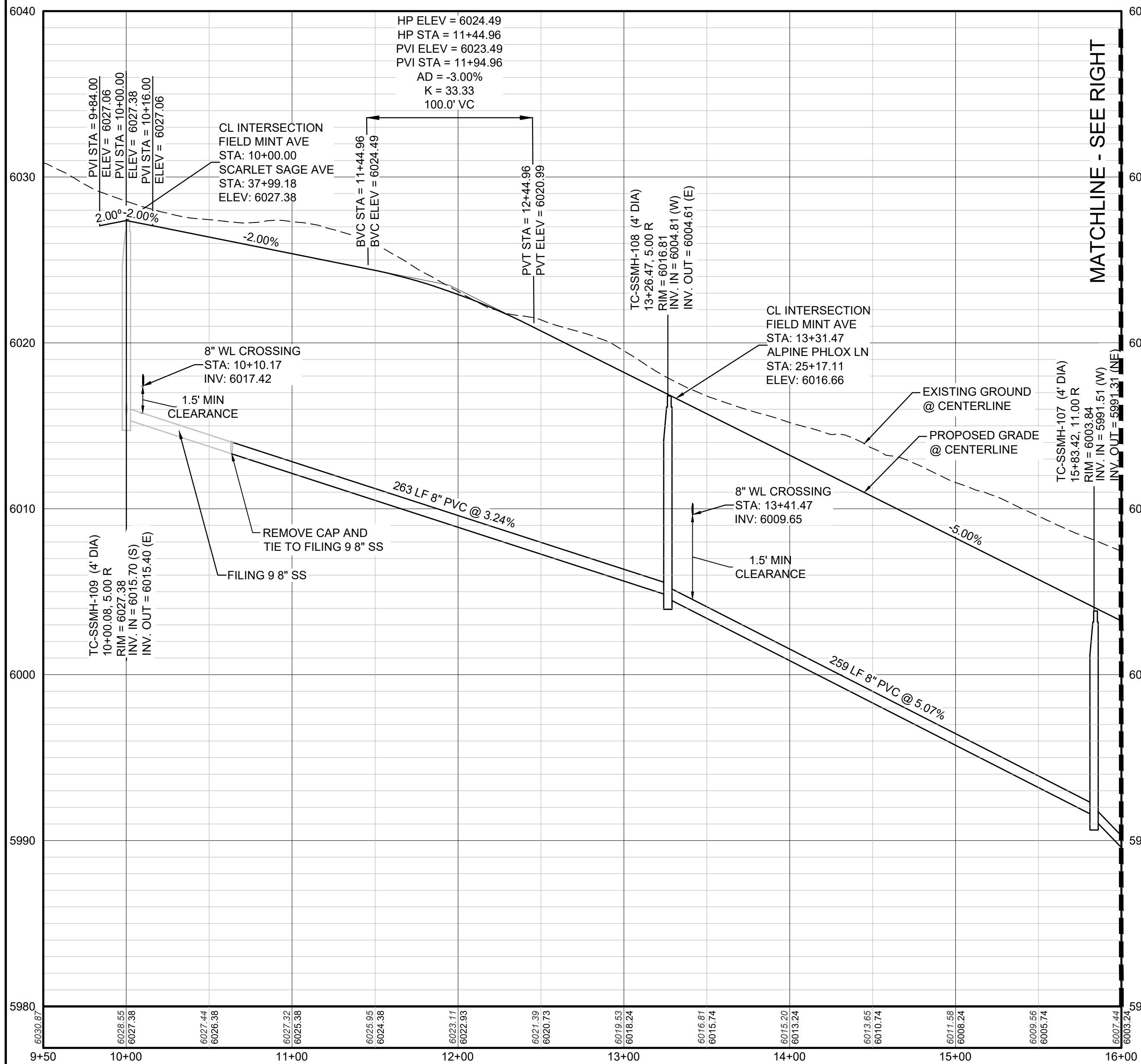
KEYMAP  
N.T.S.  
LEGEND

- |       |                                       |      |                                  |
|-------|---------------------------------------|------|----------------------------------|
| ②     | BLOCK NUMBER                          | △    | PROPOSED RANGE POINT             |
| Ⓐ     | LOT TYPE                              | ---  | CENTERLINE                       |
| 6     | LOT NUMBER                            | ---  | RIGHT-OF-WAY                     |
| Ⓜ     | PROPOSED BUTTERFLY VALVE              | ---  | PROPERTY LINE                    |
| Ⓜ     | PROPOSED CAP WITH END OF LINE BLOWOFF | ---  | EDGE OF PAVEMENT                 |
| Ⓜ     | PROPOSED REDUCER                      | →    | PROPOSED DIRECTION OF FLOW       |
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| Ⓜ     | FUTURE FIRE HYDRANT                   | ---  | PROPOSED SEWER LATERAL           |
| Ⓜ     | PROPOSED LIGHT POLE                   | ---  | PROPOSED WATER LINE              |
| Ⓜ     | PROPOSED SIDEWALK RAMP                | ---  | PROPOSED WATER LATERAL W/ METER  |
| 10.00 | EXISTING ELEVATION                    | ---  | SECTION LINE                     |
| 10.00 | PROPOSED DESIGN ELEVATION             | ---  | FILING BOUNDARY                  |
| Ⓜ     | PROPOSED STORM DRAIN INLET            | ---  | EXISTING FIBER                   |
| Ⓜ     | PROPOSED STORM DRAIN MANHOLE          | ---  | EXISTING OVERHEAD POWER          |
|       |                                       | ---  | EXISTING TELEPHONE LINE          |
|       |                                       | ---  | PWSD EASEMENT                    |
|       |                                       | ---  | TYP. EASEMENT                    |

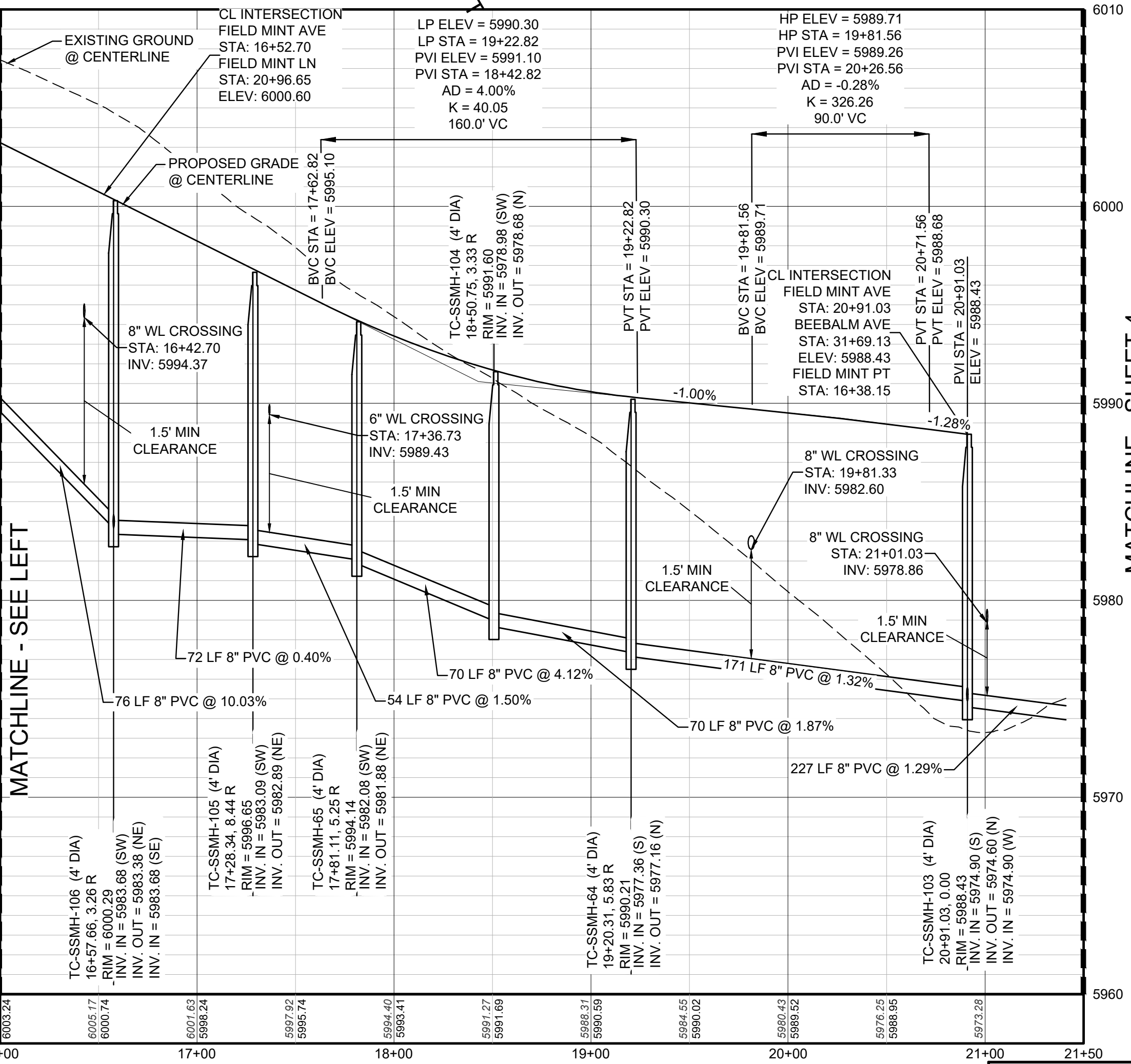
ABBREVIATIONS

- |     |                        |        |                                 |
|-----|------------------------|--------|---------------------------------|
| AD  | ANGLE DIFFERENCE       | MH     | MANHOLE                         |
| AV  | AIR VAC RELEASE VALVE  | N.T.S. | NOT TO SCALE                    |
| BVC | BEGIN VERTICAL CURVE   | PVC    | POLYVINYL CHLORIDE              |
| BVP | BEGIN VERTICAL PROFILE | PVI    | PT. OF VERTICAL INTERSECTION    |
| CBO | CAP WITH BLOW OFF      | PVT    | POINT OF VERTICAL TANGENT       |
| CR  | CURB RETURN RADIUS     | RCBC   | REINFORCED CONCRETE BOX CULVERT |
| EL  | ELEVATION              | RC     | REINFORCED CONCRETE PIPE        |
| EP  | EDGE OF PAVEMENT       | ROW    | RIGHT OF WAY                    |
| EVC | END VERTICAL CURVE     | SC     | SANITARY CAP                    |
| EVP | END VERTICAL PROFILE   | SD     | STORM DRAIN                     |
| FG  | FINISHED GROUND        | SL     | SECTION LINE                    |
| FH  | FIRE HYDRANT           | SS     | SANITARY SEWER                  |
| FL  | FLOW LINE              | STA    | STATION                         |
| GV  | GATE VALVE             | T.O.P. | TOP OF PIPE                     |
| HCR | HANDICAP CURB RAMP     | UE     | UTILITY EASEMENT                |
| HP  | HIGH POINT             | VC     | VERTICAL CURVE                  |
| INV | INVERT                 | WL     | WATER LINE                      |
| K   | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF  | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |

1. SEE SHEET 3 - AREA UTILITY PLAN FOR SANITARY SERVICE TABLE



PROFILE: FIELD MINT AVE STA: 9+50.00 TO 16+00.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'



PROFILE: FIELD MINT AVE STA: 16+00.00 TO 21+50.00  
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CALL 811  
TWO WORKING DAYS  
BEFORE YOU DIG  
1-800-922-1987

BENCHMARK  
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PREPARED UNDER THE SUPERVISION OF  
BRIAN P. WILSON  
COLORADO P.E. 0050067

|              |               |                 |                      |                     |                 |                                                                                                               |                                                            |                        |                                                                                                                     |           |     |      |       |       |      |  |  |
|--------------|---------------|-----------------|----------------------|---------------------|-----------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------|-----------|-----|------|-------|-------|------|--|--|
| SHEET NUMBER | DRAWN BY: JLR | CHECKED BY: JLU | DATE: SEPTEMBER 2017 | FILE NO: 8130283701 | SCALE: AS SHOWN | TRAILS AT CROWFOOT<br>FILING 11 CONSTRUCTION DRAWINGS<br>SANITARY SEWER PLAN AND PROFILE<br>FIELD MINT AVENUE | HR 935 LLC<br>7353 South Alton Way<br>CENTENNIAL, CO 80112 | CML<br>a Westwood team | 10333 E. Dry Creek Rd.<br>Suite 240<br>Englewood, CO 80112<br>Tel: 720.482.952<br>www.cvlinc.net<br>westwoodjpa.com | Revisions | No. | Date | Init. | Appr. | Date |  |  |
|              |               |                 |                      |                     |                 |                                                                                                               |                                                            |                        |                                                                                                                     |           |     |      |       |       |      |  |  |
|              |               |                 |                      |                     |                 |                                                                                                               |                                                            |                        |                                                                                                                     |           |     |      |       |       |      |  |  |
|              |               |                 |                      |                     |                 |                                                                                                               |                                                            |                        |                                                                                                                     |           |     |      |       |       |      |  |  |

N:\PROJECTS\SSR RANCH\ENGINEERING\SSR SETS\CD\SET 11 PARKER WATER AND SANITATION\SANITARY PLAN AND PROFILE\FIELD MINT TERRACE DWG.BP\WILSON 4232021 8:46 AM



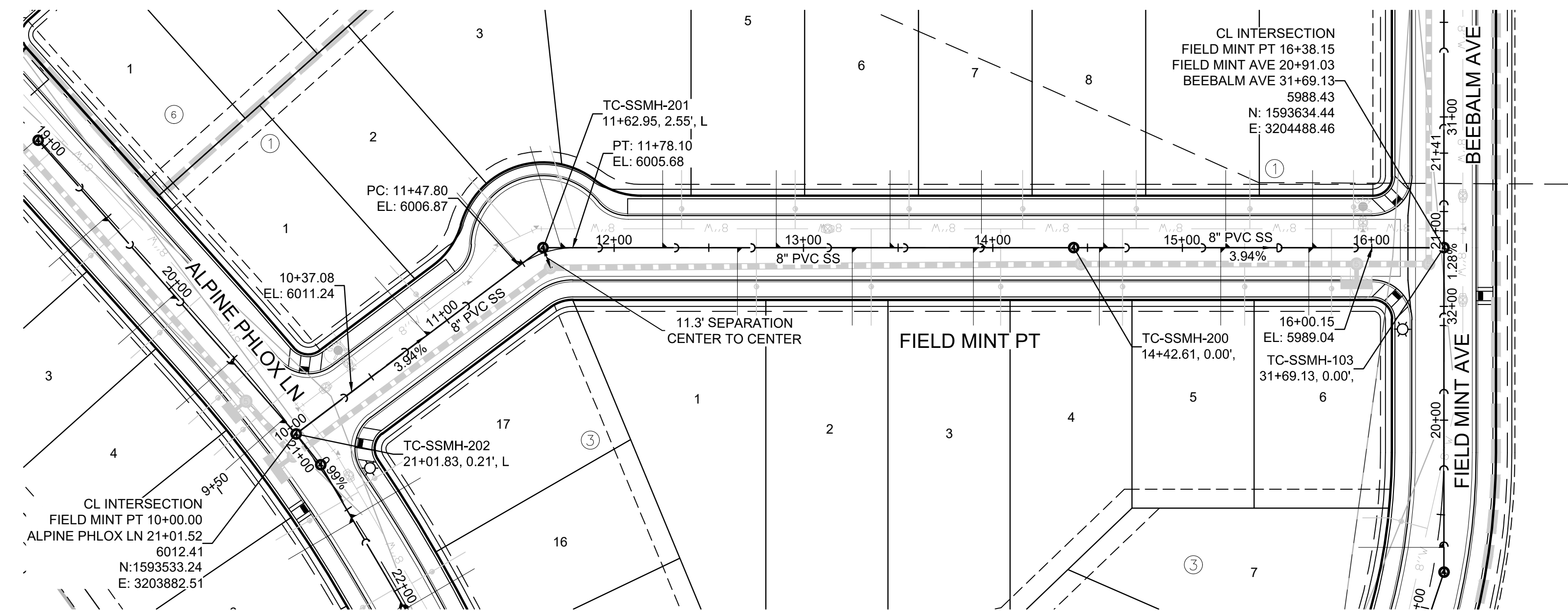
UNCC  
UTILITY NOTIFICATION  
CENTER OF COLORADO

CALL 811

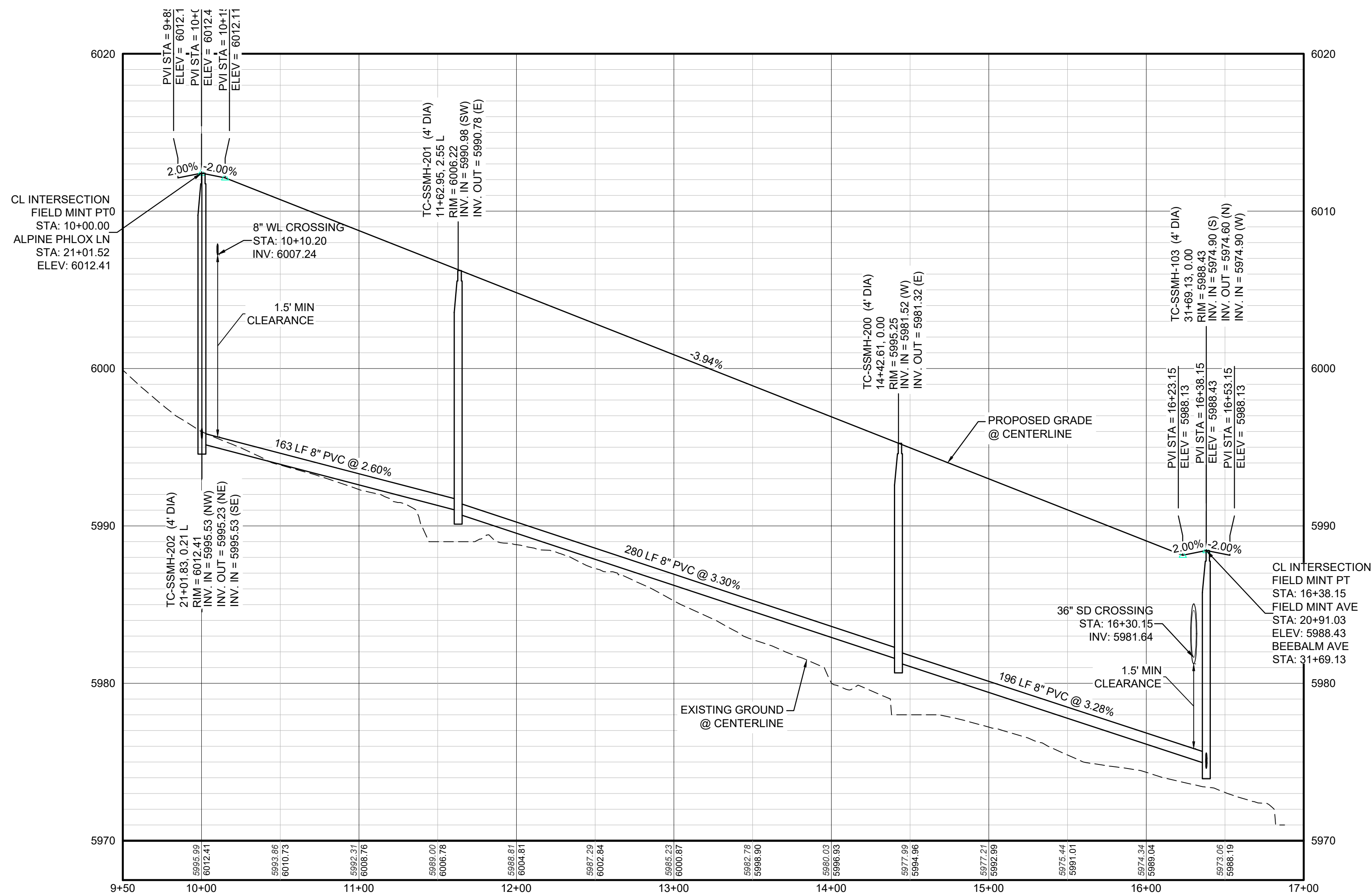
TWO WORKING DAYS

BEFORE YOU DIG

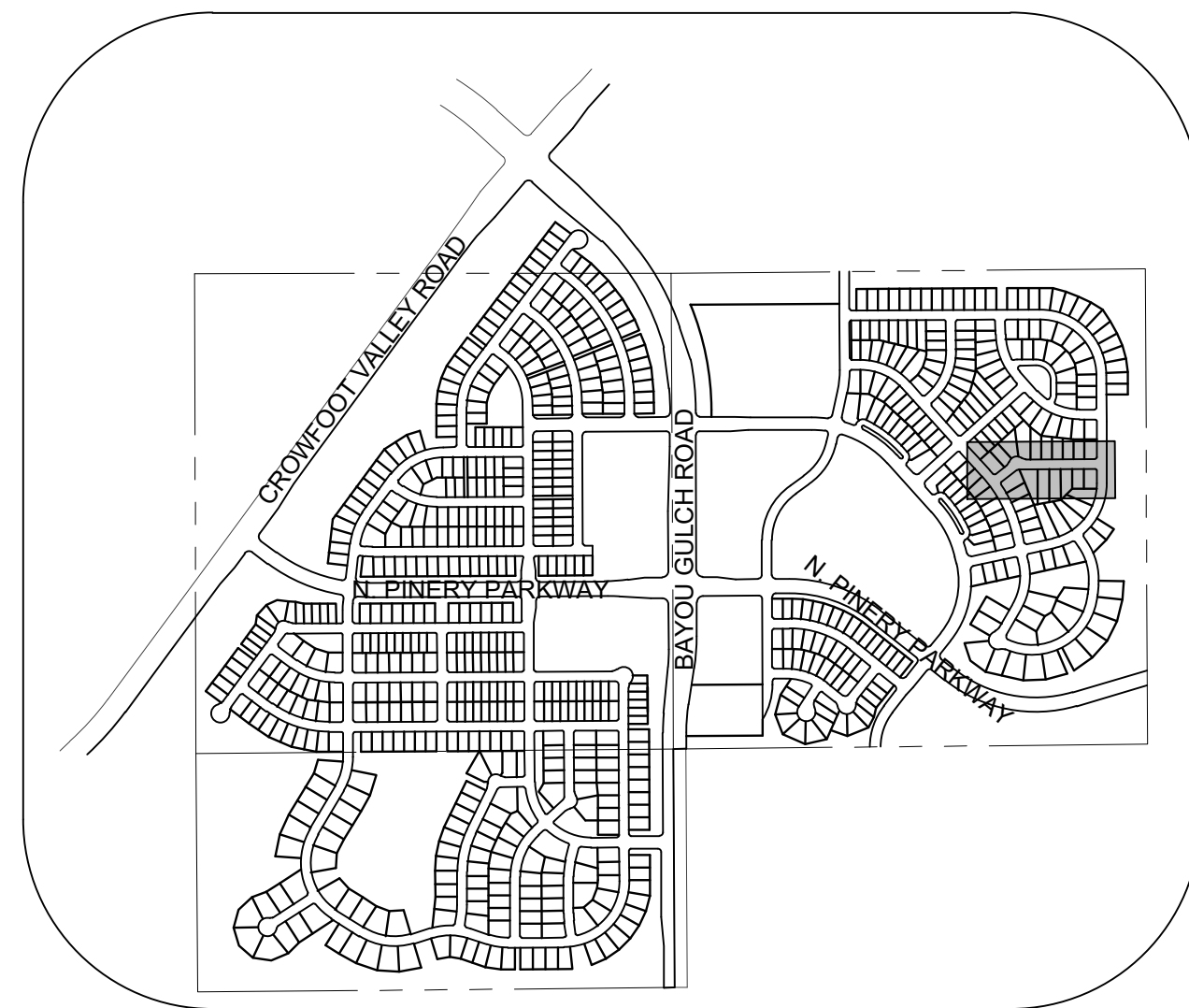
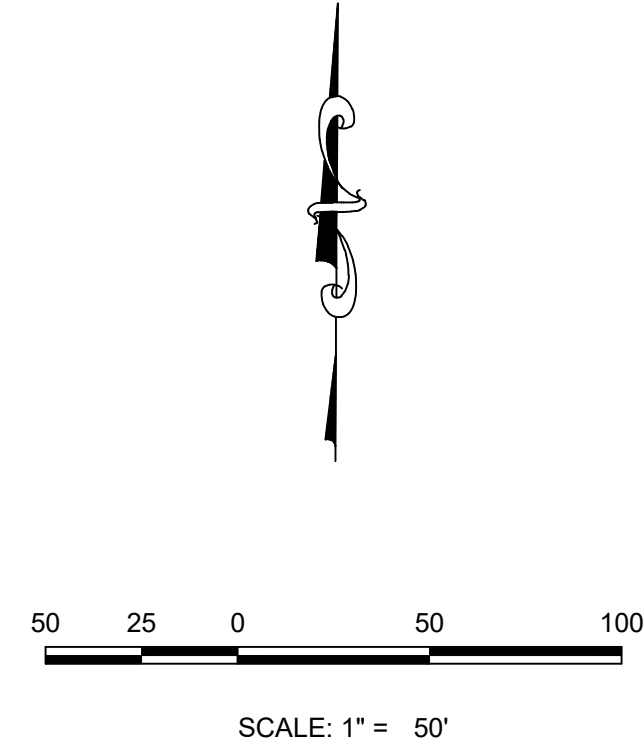
1-800-922-1987



PLAN: FIELD MINT POINT STA: 9+50.00 TO 17+00.00  
HORIZONTAL SCALE: 1" = 50'



PROFILE: FIELD MINT PT STA: 9+50.00 TO 17+00.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'



KEYMAP  
N.T.S.  
LEGEND

|       |                                       |      |                                  |
|-------|---------------------------------------|------|----------------------------------|
| ②     | BLOCK NUMBER                          | △    | PROPOSED RANGE POINT             |
| Ⓐ     | LOT TYPE                              | ---  | CENTERLINE                       |
| 6     | LOT NUMBER                            | ---  | RIGHT-OF-WAY                     |
| ⓧ     | PROPOSED BUTTERFLY VALVE              | ---  | PROPERTY LINE                    |
| ⌈     | PROPOSED CAP WITH END OF LINE BLOWOFF | ---  | EDGE OF PAVEMENT                 |
| Ⓜ     | PROPOSED REDUCER                      | →    | PROPOSED DIRECTION OF FLOW       |
| Ⓜ     | PROPOSED VALVE                        | 1.0% | PROPOSED SLOPE & DIRECTION       |
| Ⓜ     | PROPOSED FIRE HYDRANT                 | 5615 | EXISTING 5' CONTOUR              |
| Ⓜ     | PROPOSED WL FITTING WITH THRUST BLOCK | 5616 | EXISTING 1' CONTOUR              |
| Ⓜ     | PROPOSED FLARED END SECTION           | 5620 | PROPOSED 5' CONTOUR              |
| Ⓜ     | PROPOSED LOW POINT BLOW-OFF           | 5607 | PROPOSED 1' CONTOUR              |
| Ⓜ     | PROPOSED AIR VALVE                    | ---  | PROPOSED STORM DRAIN             |
| Ⓜ     | FUTURE PHASE VALVE                    | ---  | PROPOSED SEWER LINE WITH MANHOLE |
| Ⓜ     | FUTURE FIRE HYDRANT                   | ---  | PROPOSED SEWER LATERAL           |
| Ⓜ     | PROPOSED LIGHT POLE                   | ---  | PROPOSED WATER LINE              |
| Ⓜ     | PROPOSED SIDEWALK                     | ---  | PROPOSED WATER LATERAL W/ METER  |
| Ⓜ     | PROPOSED SIDEWALK RAMP                | ---  | SECTION LINE                     |
| 10.00 | EXISTING ELEVATION                    | ---  | FILING BOUNDARY                  |
| 10.00 | PROPOSED DESIGN ELEVATION             | ---  | EXISTING FIBER                   |
| Ⓜ     | PROPOSED STORM DRAIN INLET            | ---  | FO                               |
| Ⓜ     | PROPOSED STORM DRAIN MANHOLE          | ---  | OH                               |
| Ⓜ     |                                       | ---  | EXISTING OVERHEAD POWER          |
| Ⓜ     |                                       | ---  | TEL                              |
| Ⓜ     |                                       | ---  | EXISTING TELEPHONE LINE          |
| Ⓜ     |                                       | ---  | PWSD EASEMENT                    |
| Ⓜ     |                                       | ---  | TYP. EASEMENT                    |

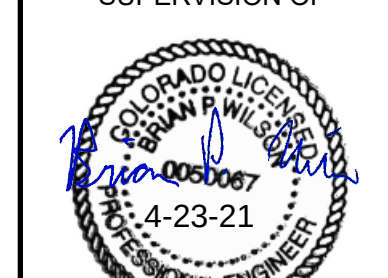
| ABBREVIATIONS |                        |        |                                 |
|---------------|------------------------|--------|---------------------------------|
| AD            | ANGLE DIFFERENCE       | MH     | MANHOLE                         |
| AV            | AIR VAC RELEASE VALVE  | N.T.S. | NOT TO SCALE                    |
| BVC           | BEGIN VERTICAL CURVE   | PVC    | POLYVINYL CHLORIDE              |
| BVP           | BEGIN VERTICAL PROFILE | PVI    | PT. OF VERTICAL INTERSECTION    |
| CBO           | CAP WITH BLOW OFF      | PVT    | POINT OF VERTICAL TANGENT       |
| CRR           | CURB RETURN RADIUS     | RCBC   | REINFORCED CONCRETE BOX CULVERT |
| EL            | ELEVATION              | RCP    | REINFORCED CONCRETE PIPE        |
| EP            | EDGE OF PAVEMENT       | ROW    | RIGHT OF WAY                    |
| EVC           | END VERTICAL CURVE     | SC     | SANITARY CAP                    |
| EVP           | END VERTICAL PROFILE   | SD     | STORM DRAIN                     |
| FG            | FINISHED GROUND        | SL     | SECTION LINE                    |
| FH            | FIRE HYDRANT           | SS     | SANITARY SEWER                  |
| FL            | FLOW LINE              | STA    | STATION                         |
| GV            | GATE VALVE             | T.O.P. | TOP OF PIPE                     |
| HCR           | HANDICAP CURB RAMP     | UE     | UTILITY EASEMENT                |
| HP            | HIGH POINT             | VC     | VERTICAL CURVE                  |
| INV           | INVERT                 | WL     | WATER LINE                      |
| K             | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF            | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |

1. SEE SHEET 3 - AREA UTILITY PLAN FOR SANITARY SERVICE TABLE

BENCHMARK  
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

BASIS OF BEARINGS:  
THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00° 15' 06" EAST, 2648.70 FEET.

PREPARED UNDER THE SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067

|              |               |                 |                      |                 |                     |                                                                                                              |                                                            |                                                                                                        |                                                                                                                    |           |      |       |      |
|--------------|---------------|-----------------|----------------------|-----------------|---------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|------|-------|------|
| SHEET NUMBER | DRAWN BY: JLR | CHECKED BY: JJJ | DATE: SEPTEMBER 2017 | SCALE: AS SHOWN | FILE NO: 8130283701 | TRAILS AT CROWFOOT<br>FILING 11 CONSTRUCTION DRAWINGS<br>SANITARY SEWER PLAN AND PROFILE<br>FIELD MINT POINT | HR 935 LLC<br>7353 South Alton Way<br>CENTENNIAL, CO 80112 | <br>a Westwood team | 10333 E. Dry Creek Rd.<br>Suite 240<br>Englewood, CO 80112<br>Tel: 720.482.952<br>www.cvlinc.net<br>westwoodpa.com | Revisions | Date | Appr. | Date |
|              |               |                 |                      |                 |                     |                                                                                                              |                                                            |                                                                                                        |                                                                                                                    |           | No.  | Init. |      |
|              |               |                 |                      |                 |                     |                                                                                                              |                                                            |                                                                                                        |                                                                                                                    |           |      |       |      |
|              |               |                 |                      |                 |                     |                                                                                                              |                                                            |                                                                                                        |                                                                                                                    |           |      |       |      |

N:\PROJECTS\SSR RANCH\ENGINEERING\SSR SET\SSR SET\11 PARKER WATER AND SANITATION\SANITARY PLAN AND PROFILE\ALPINE PHLOX LANE.DWG, CODYA, 4/22/2021 11:43 AM



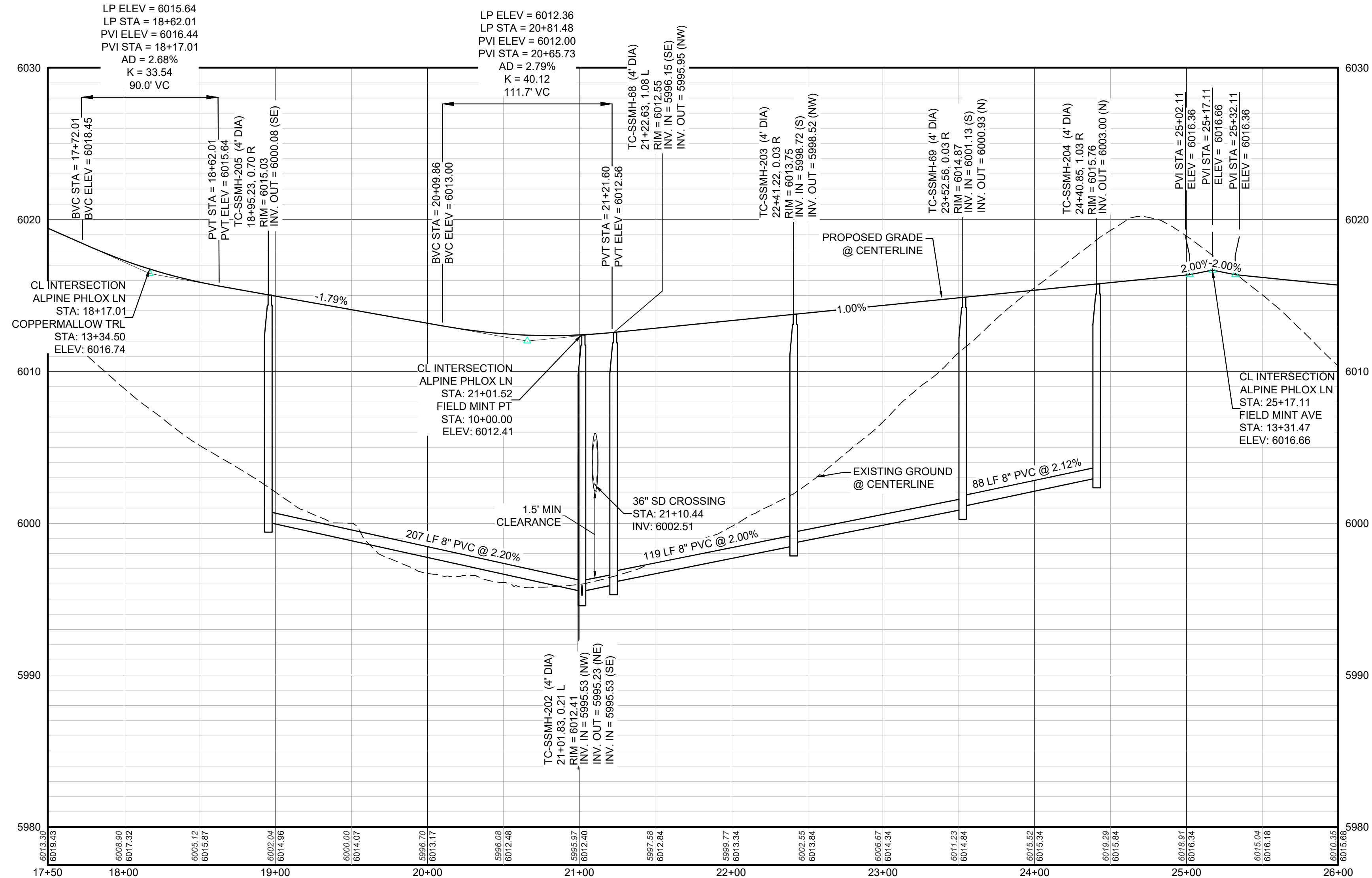
UNCC  
UTILITY NOTIFICATION  
CENTER OF COLORADO

CALL 811

TWO WORKING DAYS

BEFORE YOU DIG

1-800-922-1987



PROFILE: ALPINE PHLOX LN STA: 17+50.00 TO 26+00.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

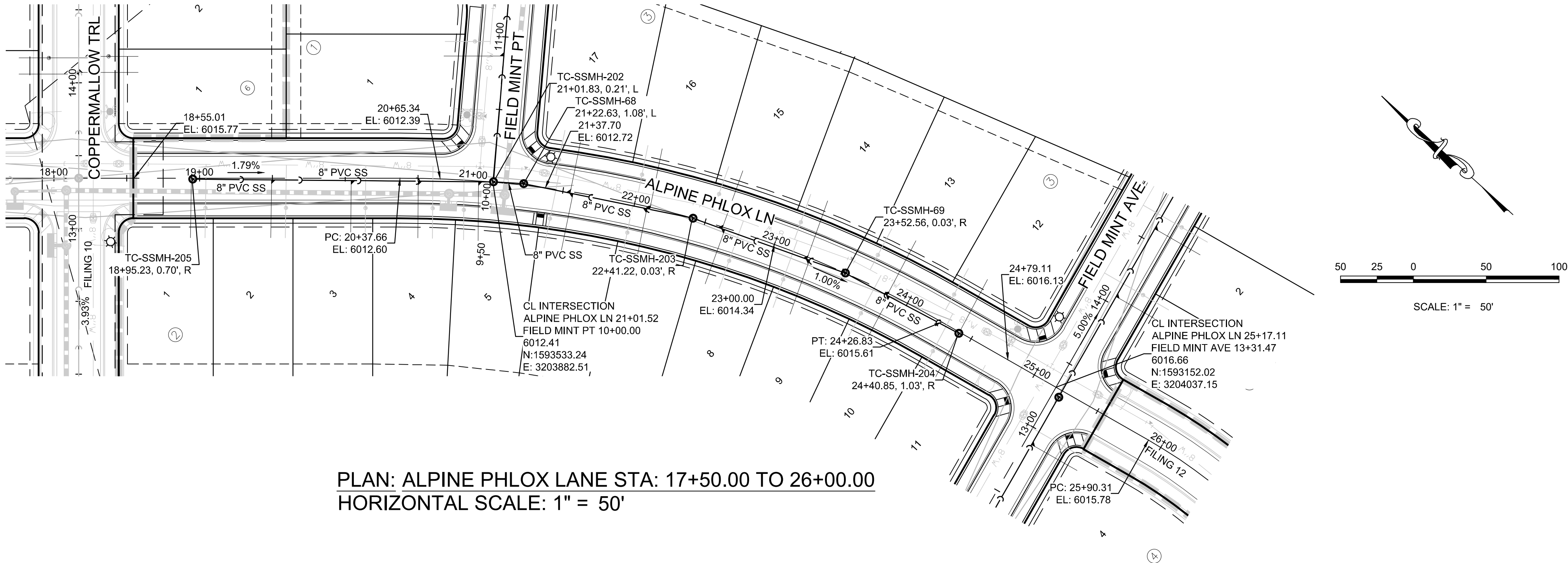
BENCHMARK  
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

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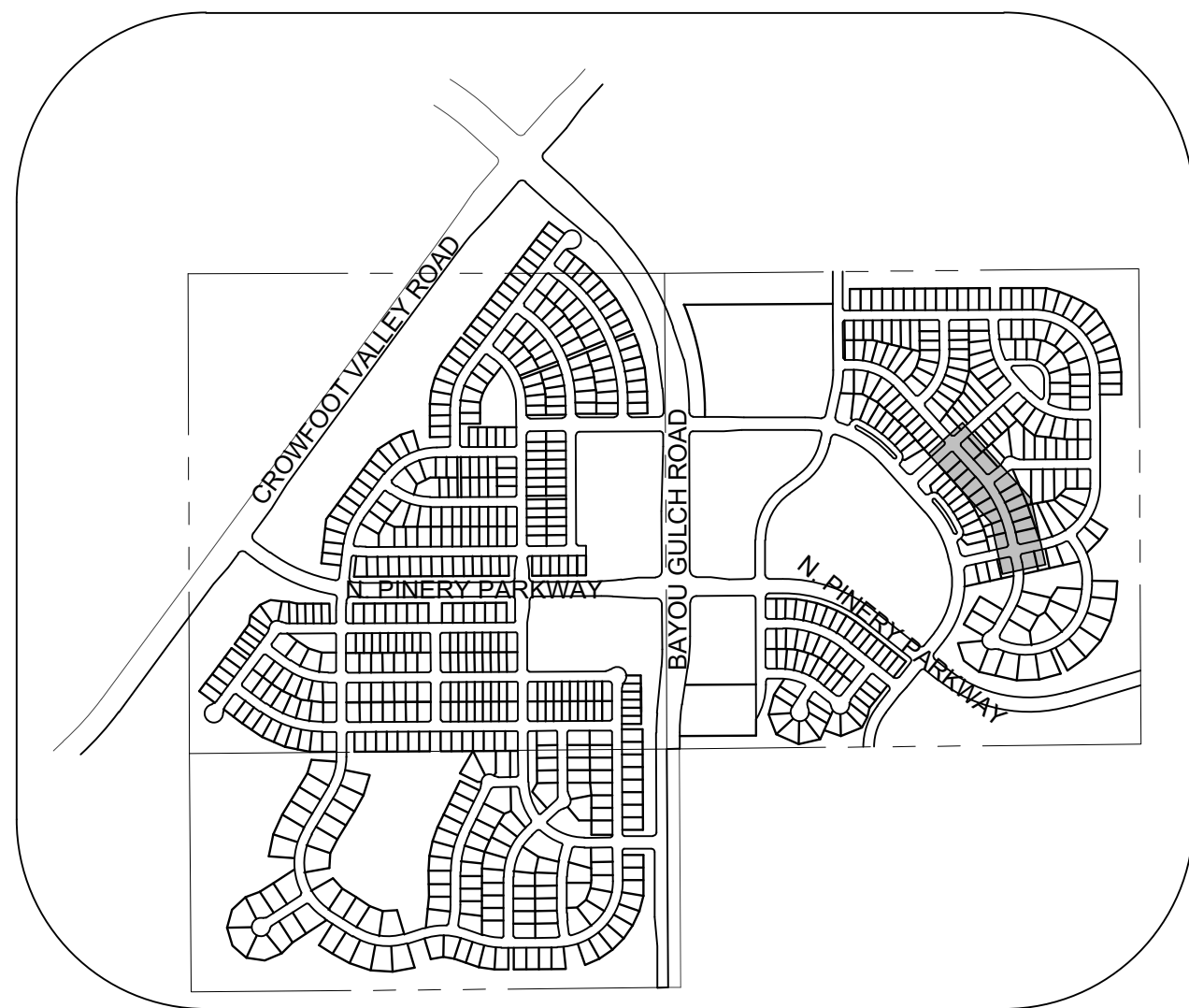
PREPARED UNDER THE  
SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067



PLAN: ALPINE PHLOX LANE STA: 17+50.00 TO 26+00.00  
HORIZONTAL SCALE: 1" = 50'



KEYMAP  
N.T.S.  
LEGEND

|       |                                       |      |                                  |
|-------|---------------------------------------|------|----------------------------------|
| ②     | BLOCK NUMBER                          | △    | PROPOSED RANGE POINT             |
| Ⓐ     | LOT TYPE                              | ---  | CENTERLINE                       |
| 6     | LOT NUMBER                            | ---  | RIGHT-OF-WAY                     |
| ⊞     | PROPOSED BUTTERFLY VALVE              | ---  | PROPERTY LINE                    |
| ⌈     | PROPOSED CAP WITH END OF LINE BLOWOFF | ---  | EDGE OF PAVEMENT                 |
| ⌋     | PROPOSED REDUCER                      | →    | PROPOSED DIRECTION OF FLOW       |
| ⊞     | PROPOSED VALVE                        | 1.0% | PROPOSED SLOPE & DIRECTION       |
| ⊞     | PROPOSED FIRE HYDRANT                 | ---  | EXISTING 5' CONTOUR              |
| ⊞     | PROPOSED WL FITTING WITH THRUST BLOCK | ---  | EXISTING 1' CONTOUR              |
| ⊞     | PROPOSED FLARED END SECTION           | ---  | PROPOSED 5' CONTOUR              |
| ⊞     | PROPOSED LOW POINT BLOW-OFF           | ---  | PROPOSED 1' CONTOUR              |
| ⊞     | PROPOSED AIR VALVE                    | ---  | PROPOSED STORM DRAIN             |
| ⊞     | FUTURE PHASE VALVE                    | ---  | PROPOSED SEWER LINE WITH MANHOLE |
| ⊞     | FUTURE FIRE HYDRANT                   | ---  | PROPOSED SEWER LATERAL           |
| ⊞     | PROPOSED LIGHT POLE                   | ---  | PROPOSED WATER LINE              |
| ⊞     | PROPOSED SIDEWALK                     | ---  | PROPOSED WATER LATERAL W/ METER  |
| ⊞     | PROPOSED SIDEWALK RAMP                | ---  | SECTION LINE                     |
| 10.00 | EXISTING ELEVATION                    | ---  | FILING BOUNDARY                  |
| 10.00 | PROPOSED DESIGN ELEVATION             | ---  | EXISTING FIBER                   |
| ⊞     | PROPOSED STORM DRAIN INLET            | ---  | FO                               |
| ⊞     | PROPOSED STORM DRAIN MANHOLE          | ---  | OH                               |
|       |                                       | ---  | TEL                              |
|       |                                       | ---  | EXISTING TELEPHONE LINE          |
|       |                                       | ---  | PWSD EASEMENT                    |
|       |                                       | ---  | TYP. EASEMENT                    |

ABBREVIATIONS

|     |                        |        |                                 |
|-----|------------------------|--------|---------------------------------|
| AD  | ANGLE DIFFERENCE       | MH     | MANHOLE                         |
| AV  | AIR VAC RELEASE VALVE  | N.T.S. | NOT TO SCALE                    |
| BVC | BEGIN VERTICAL CURVE   | PVC    | POLYVINYL CHLORIDE              |
| BVP | BEGIN VERTICAL PROFILE | PVI    | PT. OF VERTICAL INTERSECTION    |
| CBO | CAP WITH BLOW OFF      | PVT    | POINT OF VERTICAL TANGENT       |
| CRR | CURB RETURN RADIUS     | RCBC   | REINFORCED CONCRETE BOX CULVERT |
| EL  | ELEVATION              | ROP    | REINFORCED CONCRETE PIPE        |
| EP  | EDGE OF PAVEMENT       | ROW    | RIGHT OF WAY                    |
| EVC | END VERTICAL CURVE     | SC     | SANITARY CAP                    |
| EVP | END VERTICAL PROFILE   | SD     | STORM DRAIN                     |
| FG  | FINISHED GROUND        | SL     | SECTION LINE                    |
| FH  | FIRE HYDRANT           | SS     | SANITARY SEWER                  |
| FL  | FLOW LINE              | STA    | STATION                         |
| GV  | GATE VALVE             | T.O.P. | TOP OF PIPE                     |
| HCR | HANDICAP CURB RAMP     | UE     | UTILITY EASEMENT                |
| HP  | HIGH POINT             | VC     | VERTICAL CURVE                  |
| INV | INVERT                 | WL     | WATER LINE                      |
| K   | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF  | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |

1. SEE SHEET 3 - AREA UTILITY PLAN FOR SANITARY SERVICE TABLE

10333 E. Dry Creek Rd.  
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Tel: 720.482.952  
www.cvlinc.net  
westwoodjpa.com



HR 935 LLC  
7353 South Alton Way  
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT  
FILING 11 CONSTRUCTION DRAWINGS  
SANITARY SEWER PLAN AND PROFILE  
ALPINE PHLOX LANE

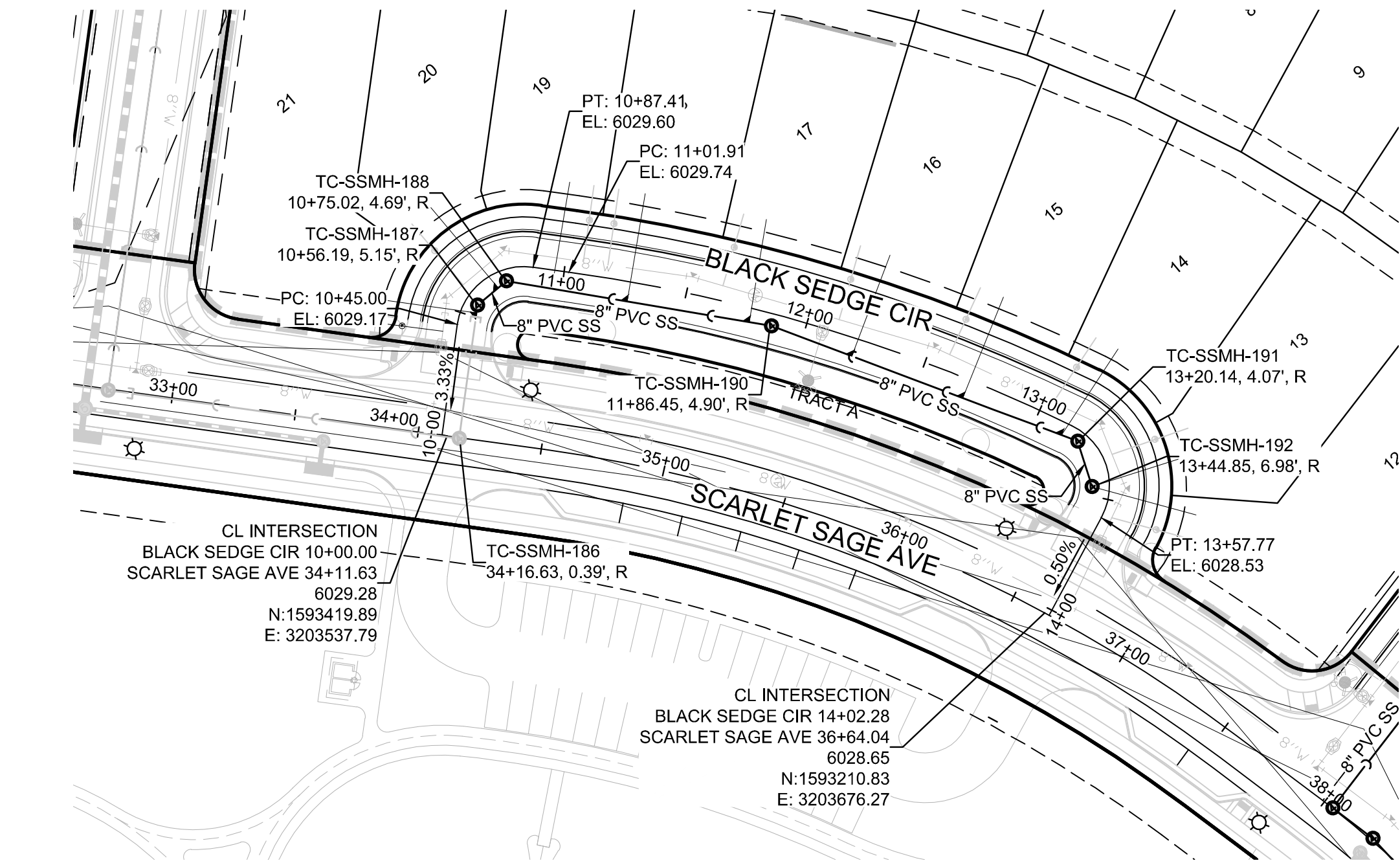
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| FILE NO:  | 8130283701     |          |
| DATE:     | SEPTEMBER 2017 |          |

SHEET NUMBER  
7

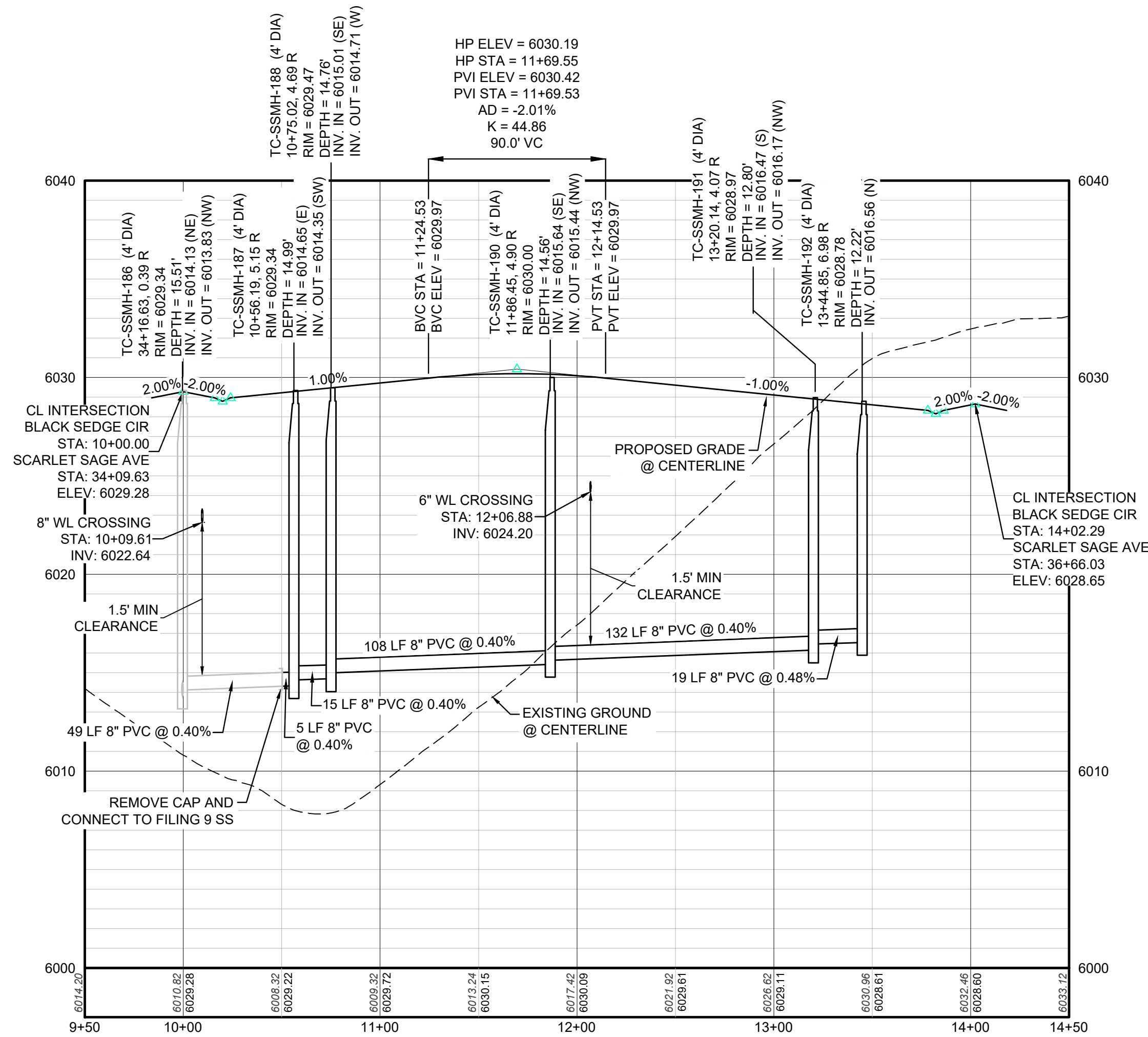
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CALL 811  
TWO WORKING DAYS  
BEFORE YOU DIG  
1-800-922-1987



PLAN: BLACK SEDGE CIR STA: 9+50.00 TO 14+50.00  
HORIZONTAL SCALE: 1" = 50'



PROFILE: BLACK SEDGE CIR STA: 9+50.00 TO 14+50.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

BENCHMARK

DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

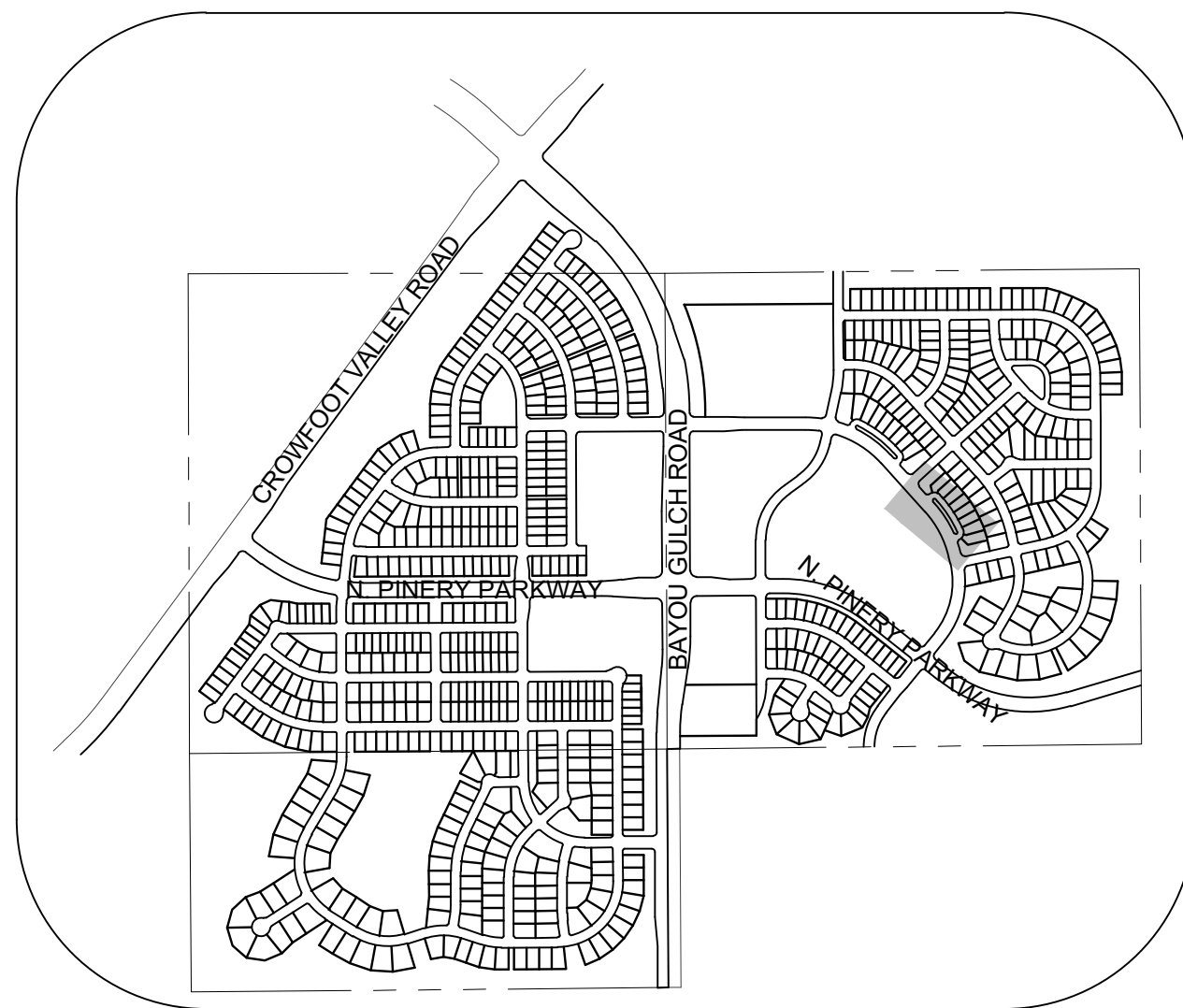
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PREPARED UNDER THE  
SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067



KEYMAP  
N.T.S.  
LEGEND

|       |                                       |      |                                  |
|-------|---------------------------------------|------|----------------------------------|
| ②     | BLOCK NUMBER                          | △    | PROPOSED RANGE POINT             |
| Ⓐ     | LOT TYPE                              | ---  | CENTERLINE                       |
| 6     | LOT NUMBER                            | ---  | RIGHT-OF-WAY                     |
| ⊗     | PROPOSED BUTTERFLY VALVE              | ---  | PROPERTY LINE                    |
| ⌈     | PROPOSED CAP WITH END OF LINE BLOWOFF | ---  | EDGE OF PAVEMENT                 |
| ⌋     | PROPOSED REDUCER                      | →    | PROPOSED DIRECTION OF FLOW       |
| ⊗     | PROPOSED VALVE                        | 1.0% | PROPOSED SLOPE & DIRECTION       |
| ⊗     | PROPOSED FIRE HYDRANT                 | 5615 | EXISTING 5' CONTOUR              |
| ⊗     | PROPOSED WL FITTING WITH THRUST BLOCK | 5616 | EXISTING 1' CONTOUR              |
| ⌈     | PROPOSED FLARED END SECTION           | 5620 | PROPOSED 5' CONTOUR              |
| ⊗     | PROPOSED LOW POINT BLOW-OFF           | 5607 | PROPOSED 1' CONTOUR              |
| ⊗     | PROPOSED AIR VALVE                    | ---  | PROPOSED STORM DRAIN             |
| ⊗     | FUTURE PHASE VALVE                    | ---  | PROPOSED SEWER LINE WITH MANHOLE |
| ⊗     | FUTURE FIRE HYDRANT                   | ---  | PROPOSED SEWER LATERAL           |
| ⊗     | PROPOSED LIGHT POLE                   | ---  | PROPOSED WATER LINE              |
| ⊗     | PROPOSED SIDEWALK RAMP                | ---  | PROPOSED WATER LATERAL W/ METER  |
| 10.00 | EXISTING ELEVATION                    | ---  | SECTION LINE                     |
| 10.00 | PROPOSED DESIGN ELEVATION             | ---  | FILING BOUNDARY                  |
| ⊗     | PROPOSED STORM DRAIN INLET            | FO   | EXISTING FIBER                   |
| ⊗     | PROPOSED STORM DRAIN MANHOLE          | OH   | EXISTING OVERHEAD POWER          |
| ⊗     |                                       | TEL  | EXISTING TELEPHONE LINE          |
|       |                                       | ---  | PWSD EASEMENT                    |
|       |                                       | ---  | TYP. EASEMENT                    |

ABBREVIATIONS

|     |                        |        |                                 |
|-----|------------------------|--------|---------------------------------|
| AD  | ANGLE DIFFERENCE       | MH     | MANHOLE                         |
| AV  | AIR VAC RELEASE VALVE  | N.T.S. | NOT TO SCALE                    |
| BVC | BEGIN VERTICAL CURVE   | PVC    | POLYVINYL CHLORIDE              |
| BVP | BEGIN VERTICAL PROFILE | PVI    | PT. OF VERTICAL INTERSECTION    |
| CBO | CAP WITH BLOW OFF      | PVT    | POINT OF VERTICAL TANGENT       |
| CRR | CURB RETURN RADIUS     | RCBC   | REINFORCED CONCRETE BOX CULVERT |
| EL  | ELEVATION              | ROP    | REINFORCED CONCRETE PIPE        |
| EP  | EDGE OF PAVEMENT       | ROW    | RIGHT OF WAY                    |
| EVC | END VERTICAL CURVE     | SC     | SANITARY CAP                    |
| EVP | END VERTICAL PROFILE   | SD     | STORM DRAIN                     |
| FG  | FINISHED GROUND        | SL     | SECTION LINE                    |
| FH  | FIRE HYDRANT           | SS     | SANITARY SEWER                  |
| FL  | FLOW LINE              | STA    | STATION                         |
| GV  | GATE VALVE             | T.O.P. | TOP OF PIPE                     |
| HCR | HANDICAP CURB RAMP     | UE     | UTILITY EASEMENT                |
| HP  | HIGH POINT             | VC     | VERTICAL CURVE                  |
| INV | INVERT                 | WL     | WATER LINE                      |
| K   | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF  | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |

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Tel: 720.482.952  
www.cvlinc.net  
westwoodjpa.com



HR 935 LLC  
7353 South Alton Way  
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT  
FILING 11 CONSTRUCTION DRAWINGS  
SANITARY SEWER PLAN AND PROFILE -  
BLACK SEDGE CIRCLE

SCALE:  
AS SHOWN  
FILE NO:  
8130283701

DRAWN BY: KJD  
CHECKED BY: JJU  
DATE: SEPTEMBER 2017

SHEET NUMBER  
8

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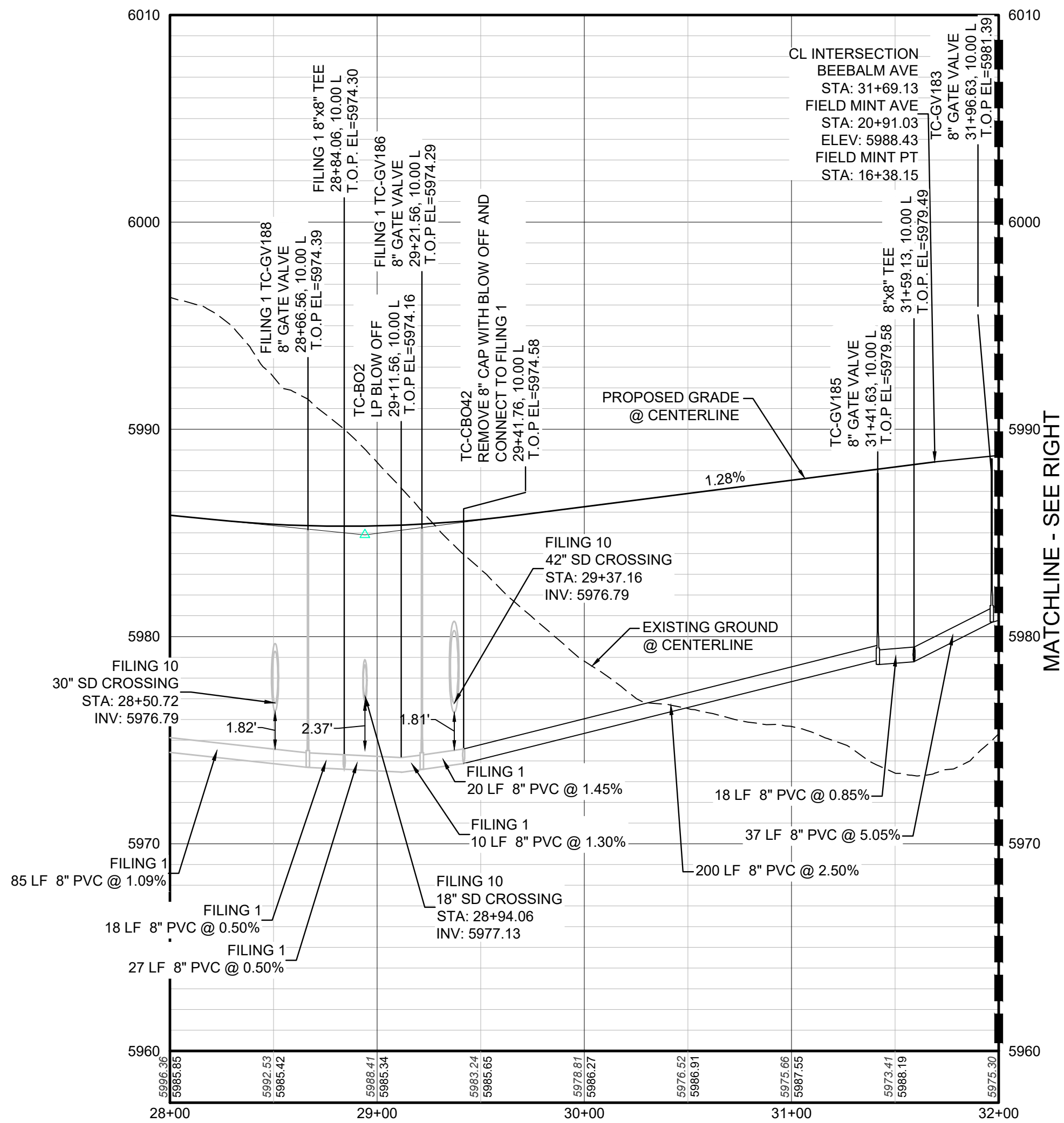
UNCC  
UTILITY NOTIFICATION  
CENTER OF COLORADO

CALL 811

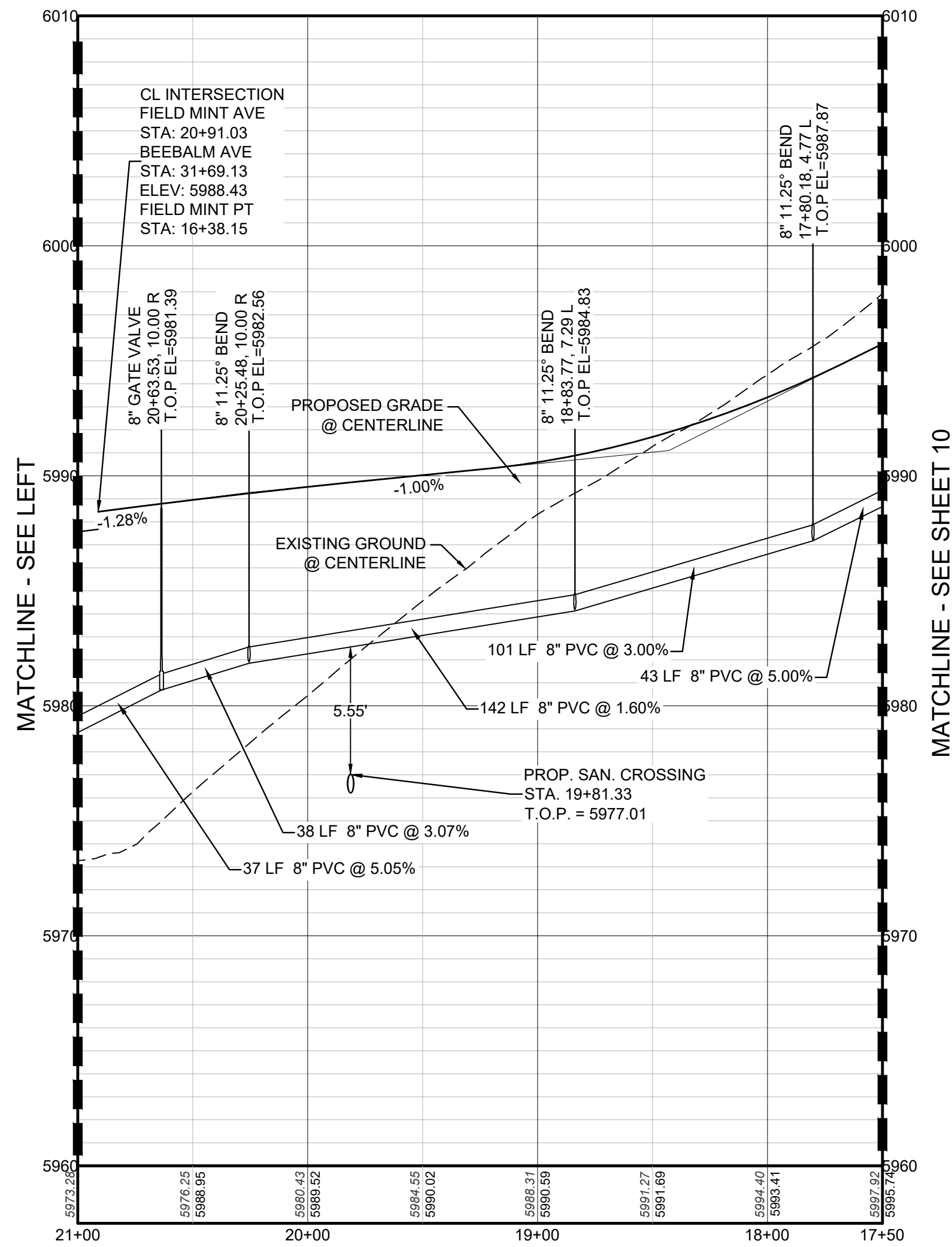
TWO WORKING DAYS

BEFORE YOU DIG

1-800-922-1987



PROFILE: BEEBALM AVE STA: 28+00.00 TO 32+00.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

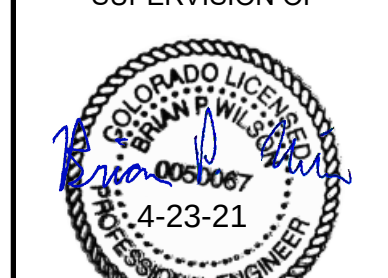


PROFILE: FIELD MINT AVE STA: 21+00.00 TO 17+50.00  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

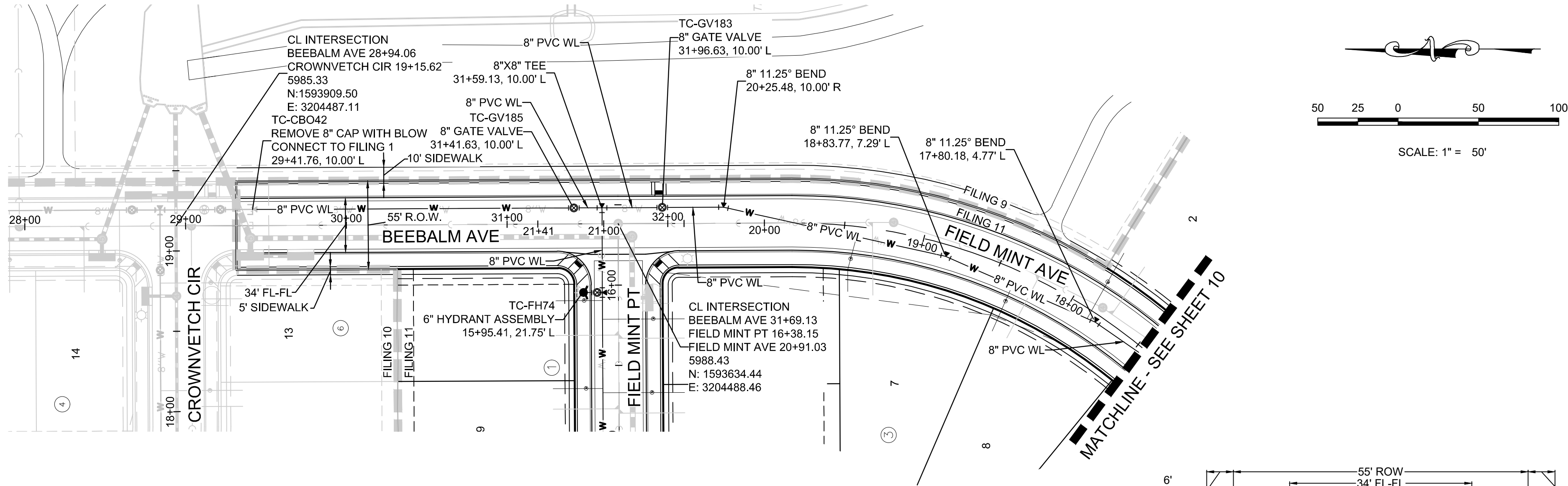
BENCHMARK  
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

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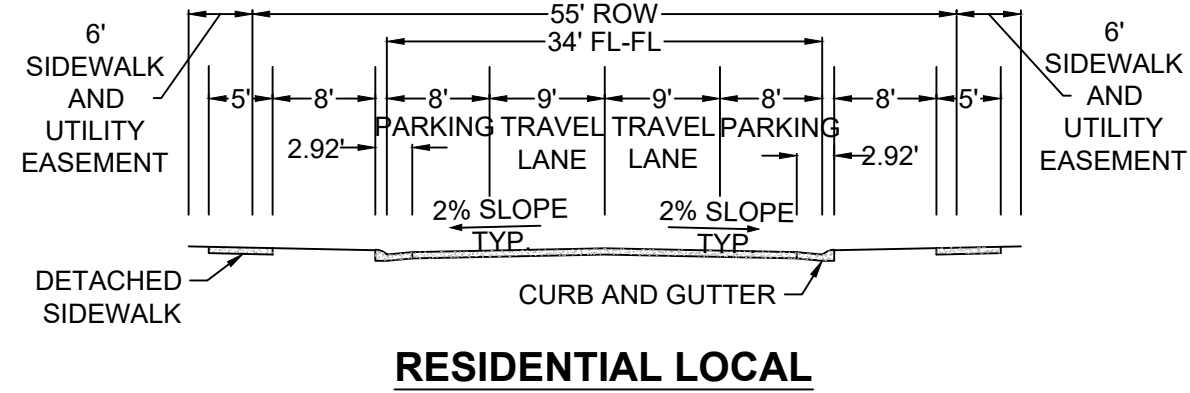
PREPARED UNDER THE SUPERVISION OF



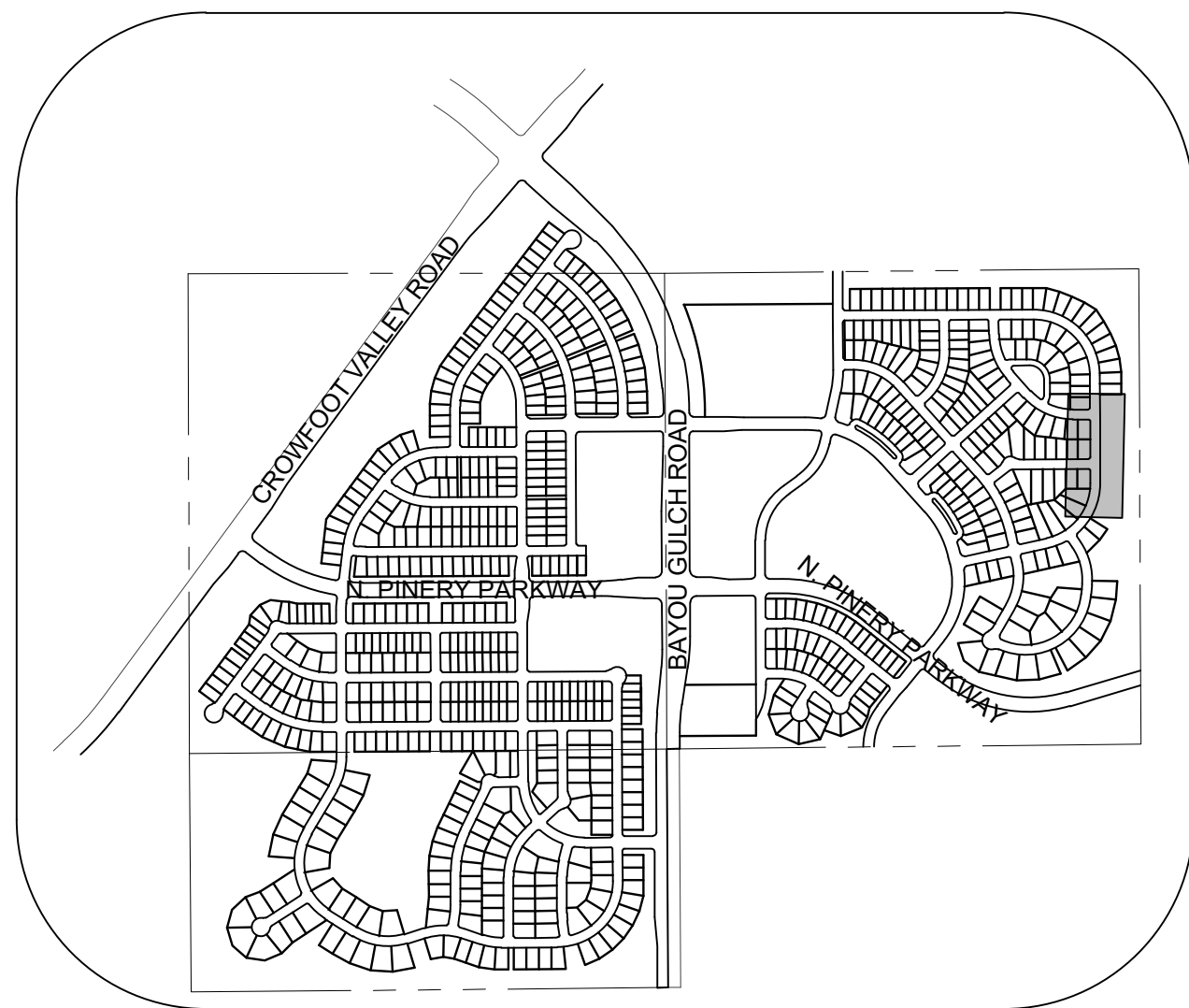
BRIAN P. WILSON  
COLORADO P.E. 0005067



PLAN: BEEBALM AVE STA: 28+00 TO 35+00 & FIELD MINT AVE STA: 17+50 TO 21+00  
HORIZONTAL SCALE: 1" = 50'



RESIDENTIAL LOCAL



KEYMAP  
N.T.S.  
LEGEND

②

BLOCK NUMBER

Ⓐ

LOT TYPE

6

LOT NUMBER

ⓧ

PROPOSED BUTTERFLY VALVE

⌋

PROPOSED CAP WITH END OF LINE BLOWOFF

ⓧ

PROPOSED REDUCER

ⓧ

PROPOSED VALVE

ⓧ

PROPOSED FIRE HYDRANT

ⓧ

PROPOSED WL FITTING WITH THRUST BLOCK

ⓧ

PROPOSED FLARED END SECTION

ⓧ

PROPOSED LOW POINT BLOW-OFF

ⓧ

PROPOSED AIR VALVE

ⓧ

FUTURE PHASE VALVE

ⓧ

FUTURE FIRE HYDRANT

ⓧ

PROPOSED LIGHT POLE

ⓧ

PROPOSED SIDEWALK

ⓧ

PROPOSED SIDEWALK RAMP

10.00

EXISTING ELEVATION

10.00

PROPOSED DESIGN ELEVATION

ⓧ

PROPOSED STORM DRAIN INLET

ⓧ

PROPOSED STORM DRAIN MANHOLE

△

PROPOSED RANGE POINT

---

CENTERLINE

---

RIGHT-OF-WAY

---

PROPERTY LINE

---

EDGE OF PAVEMENT

→

PROPOSED DIRECTION OF FLOW

1.0%

PROPOSED SLOPE & DIRECTION

---

EXISTING 5' CONTOUR

---

EXISTING 1' CONTOUR

---

PROPOSED 5' CONTOUR

---

PROPOSED 1' CONTOUR

---

PROPOSED STORM DRAIN

---

PROPOSED SEWER LINE WITH MANHOLE

---

PROPOSED SEWER LATERAL

---

PROPOSED WATER LINE

---

PROPOSED WATER LATERAL W/ METER

---

SECTION LINE

---

FILING BOUNDARY

---

EXISTING FIBER OPTIC LINE

---

EXISTING OVERHEAD POWER

---

EXISTING TELEPHONE LINE

---

PWSD EASEMENT

---

TYP. EASEMENT

ABBREVIATIONS

AD

ANGLE DIFFERENCE

AV

AIR VAC RELEASE VALVE

BVC

BEGIN VERTICAL CURVE

BVP

BEGIN VERTICAL PROFILE

CBO

CAP WITH BLOW OFF

CRR

CURB RETURN RADIUS

EL

ELEVATION

EP

EDGE OF PAVEMENT

EVC

END VERTICAL CURVE

EVP

END VERTICAL PROFILE

FG

FINISHED GROUND

FH

FIRE HYDRANT

FL

FLOW LINE

GV

GATE VALVE

HCR

HANDICAP CURB RAMP

HP

HIGH POINT

INV

INVERT

K

CURVATURE COEFFICIENT

LF

LINEAR FEET

MH

MANHOLE

N.T.S.

NOT TO SCALE

PVC

POLYVINYL CHLORIDE

PVI

PT. OF VERTICAL INTERSECTION

PVT

POINT OF VERTICAL TANGENT

RCBC

REINFORCED CONCRETE BOX CULVERT

ROP

REINFORCED CONCRETE PIPE

ROW

RIGHT OF WAY

SC

SANITARY CAP

SD

STORM DRAIN

SL

SECTION LINE

SS

SANITARY SEWER

STA

STATION

T.O.P.

TOP OF PIPE

UE

UTILITY EASEMENT

VC

VERTICAL CURVE

WL

WATER LINE

WLC

WATER LINE CONNECTION

WSE

WATER SURFACE ELEVATION

1. SEE SHEET 3 - AREA UTILITY PLAN FOR WATER SERVICE TABLE

10333 E. Dry Creek Rd.  
Suite 240  
Englewood, CO 80112  
Tel: 720.482.952  
www.cvlinc.net  
westwoodjpa.com

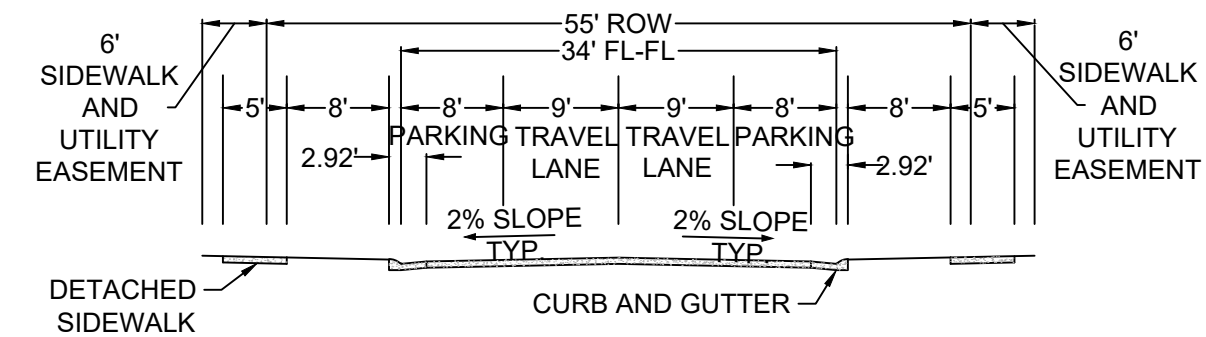


HR 935 LLC  
7353 South Alton Way  
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT  
FILING 11 CONSTRUCTION DRAWINGS  
WATER PLAN & PROFILE  
BEEBALM AVENUE & FIELD MINT AVENUE

SCALE:  
AS SHOWN  
FILE NO:  
8130283701  
DRAWN BY:  
RHR  
CHECKED BY:  
JUU  
DATE:  
SEPTEMBER 2017

SHEET NUMBER  
9



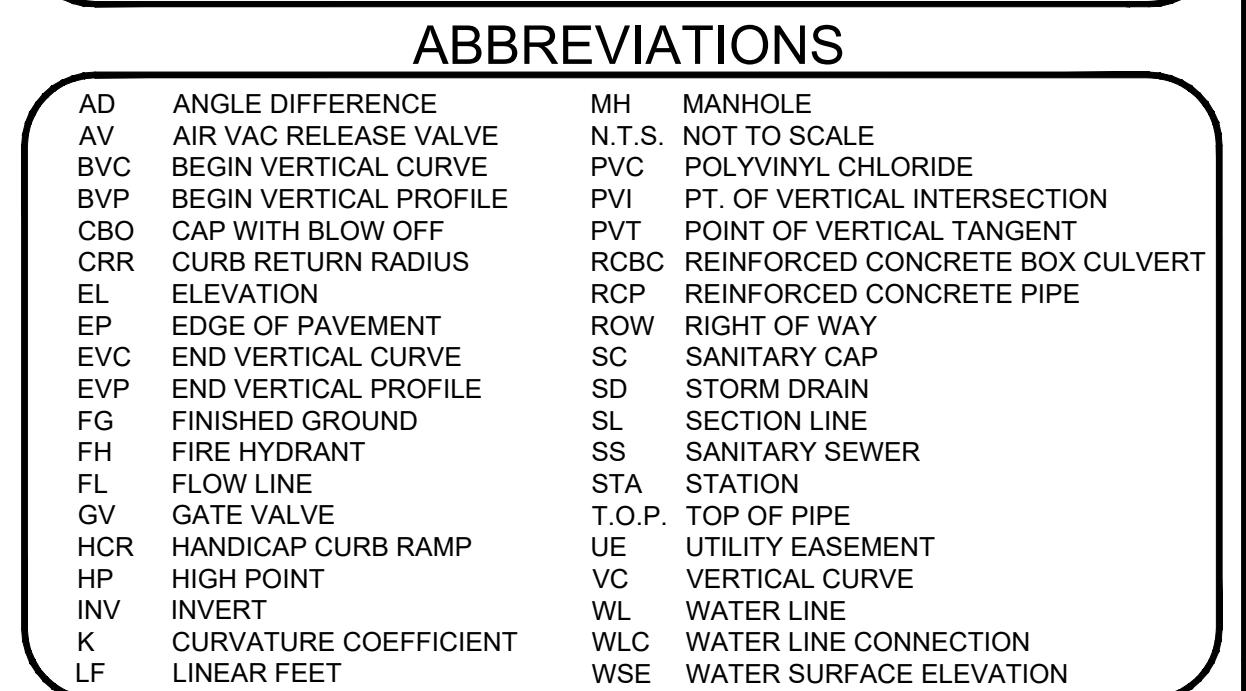
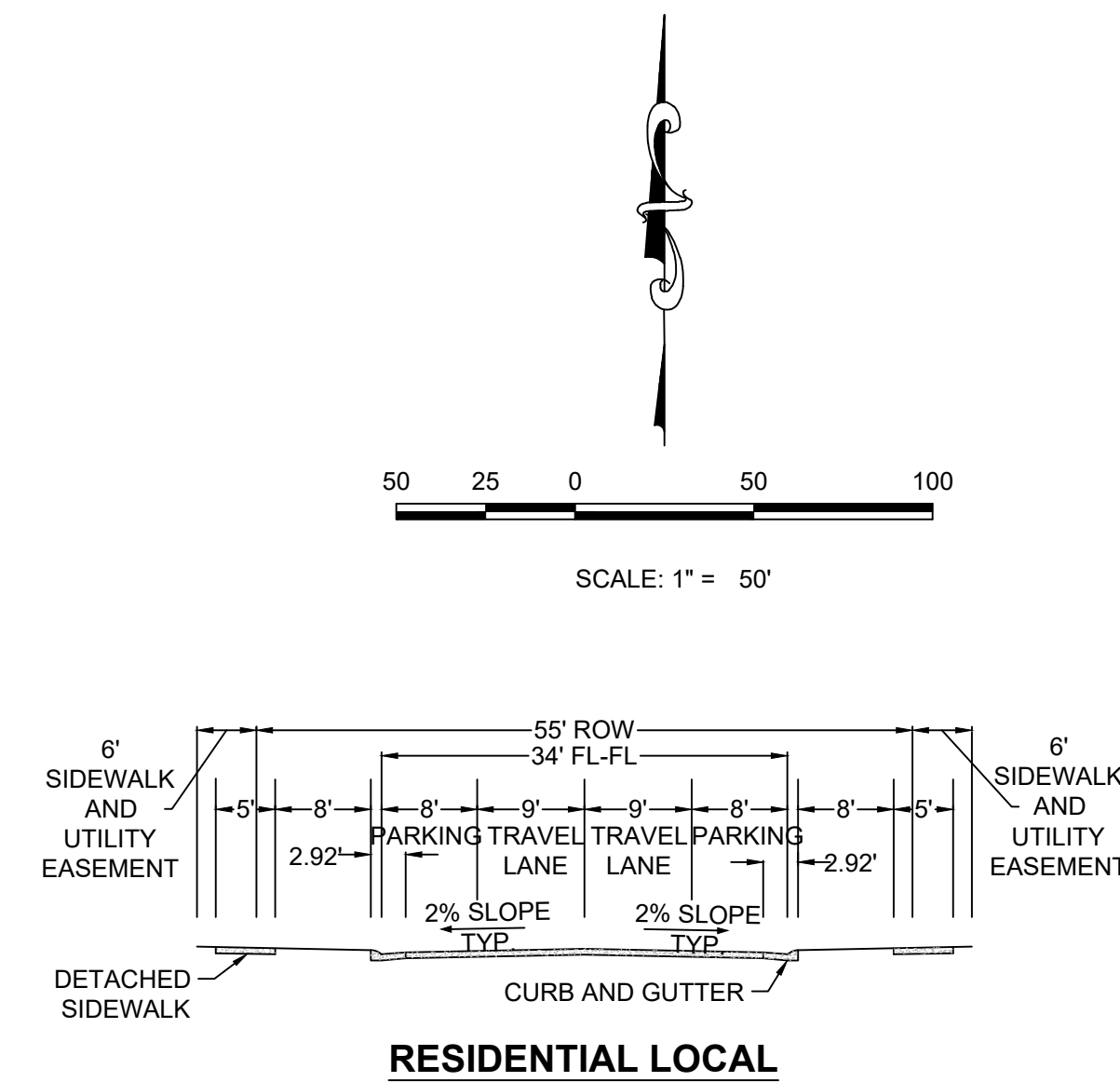
## ABBREVIATIONS

|     |                        |        |                                 |
|-----|------------------------|--------|---------------------------------|
| AD  | ANGLE DIFFERENCE       | MH     | MANHOLE                         |
| AV  | AIR VAC RELEASE VALVE  | N.T.S. | NOT TO SCALE                    |
| BVC | BEGIN VERTICAL CURVE   | PVC    | POLYVINYL CHLORIDE              |
| BVP | BEGIN VERTICAL PROFILE | PVI    | PT. OF VERTICAL INTERSECTION    |
| CBO | CAP WITH BLOW OFF      | PVT    | POINT OF VERTICAL TANGENT       |
| CRR | CURB RETURN RADIUS     | RCBC   | REINFORCED CONCRETE BOX CULVERT |
| EL  | ELEVATION              | RCP    | REINFORCED CONCRETE PIPE        |
| EP  | EDGE OF PAVEMENT       | ROW    | RIGHT OF WAY                    |
| EVC | END VERTICAL CURVE     | SC     | SANITARY CAP                    |
| EVP | END VERTICAL PROFILE   | SD     | STORM DRAIN                     |
| FG  | FINISHED GROUND        | SL     | SECTION LINE                    |
| FH  | FIRE HYDRANT           | SS     | SEWER SEWER                     |
| FL  | FLOW LINE              | STA    | STATION                         |
| GV  | GATE VALVE             | T.O.P. | TOP OF PIPE                     |
| HCR | HANDICAP CURB RAMP     | UE     | UTILITY EASEMENT                |
| HP  | HIGH POINT             | VC     | VERTICAL CURVE                  |
| INV | INVERT                 | WL     | WATER LINE                      |
| K   | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF  | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |

PREPARED UNDER THE  
SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067



**BASIS OF BEARINGS:**  
THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00°15'06" EAST. 2648.70 FEET.

PREPARED UNDER THE  
SUPERVISION OF



0050067  
4-23-21

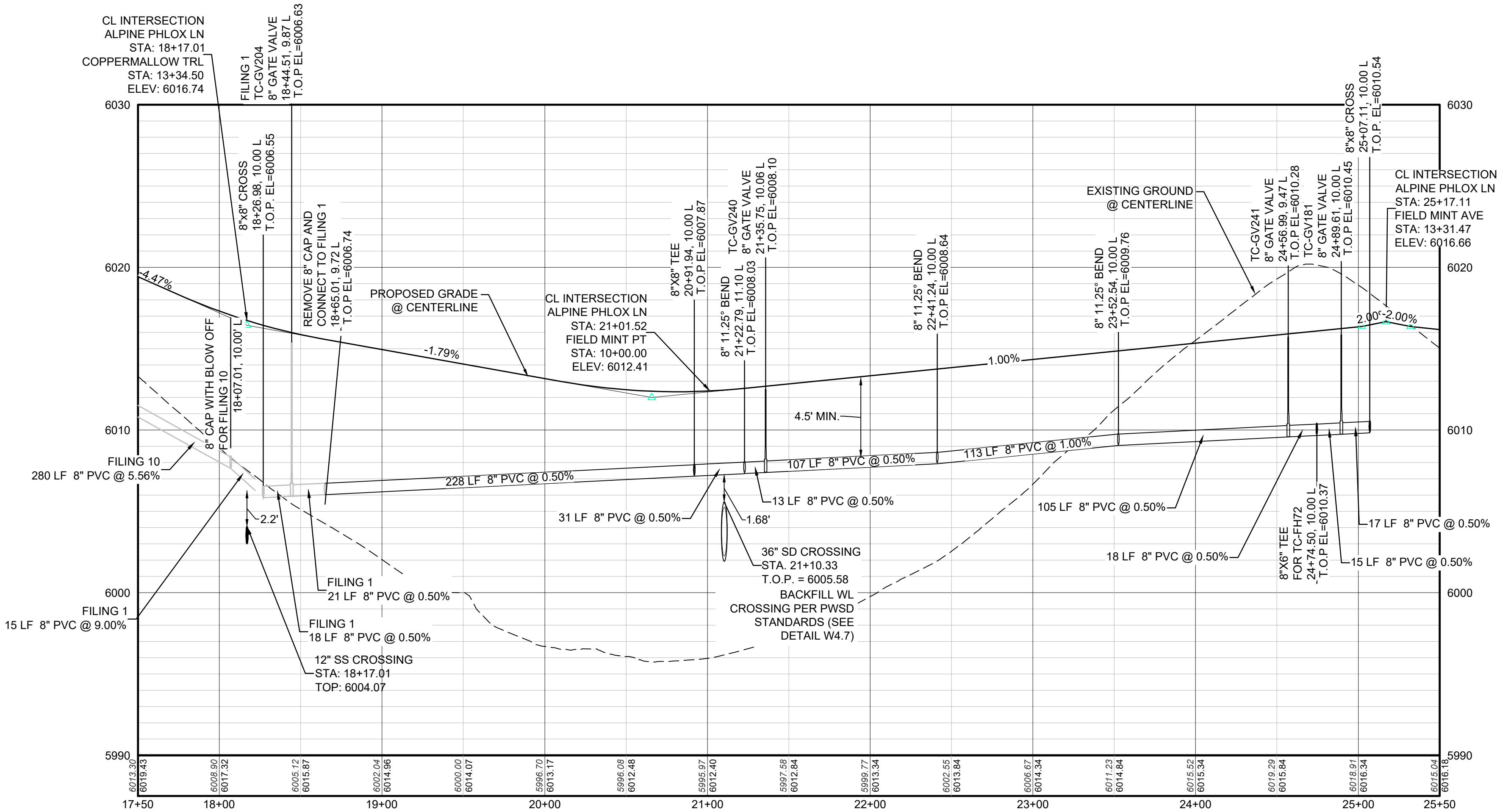
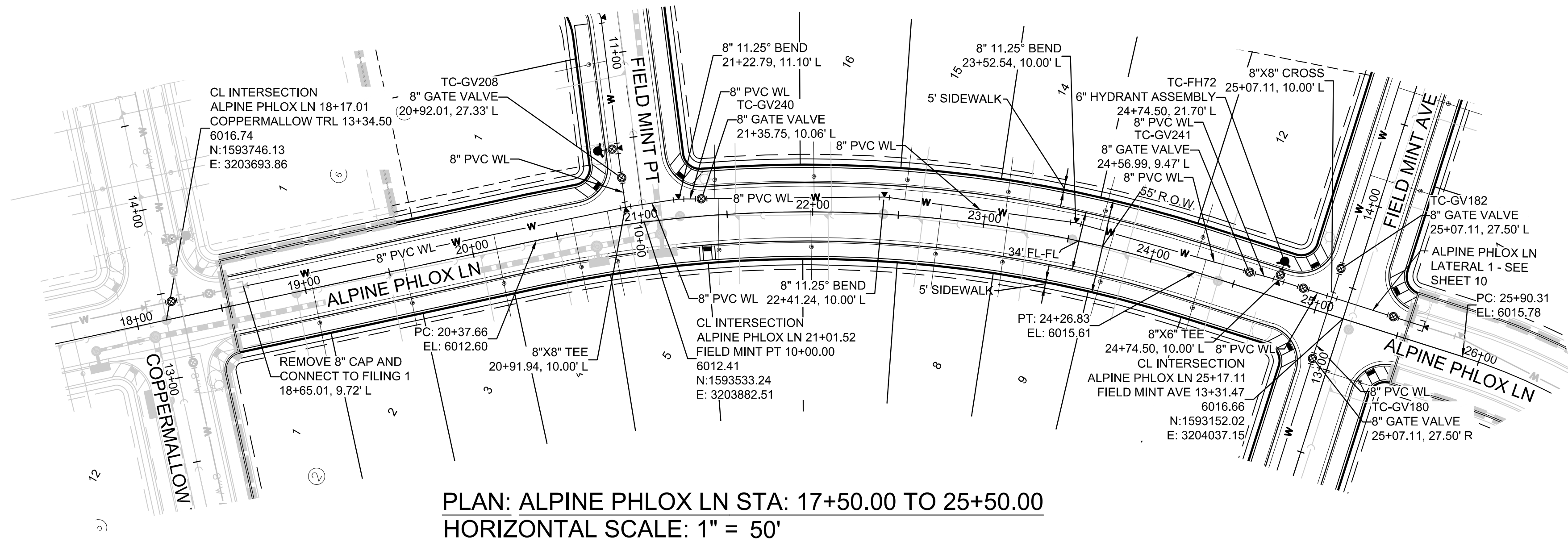
BRIAN P. WILSON  
COLORADO P.E. 0050067

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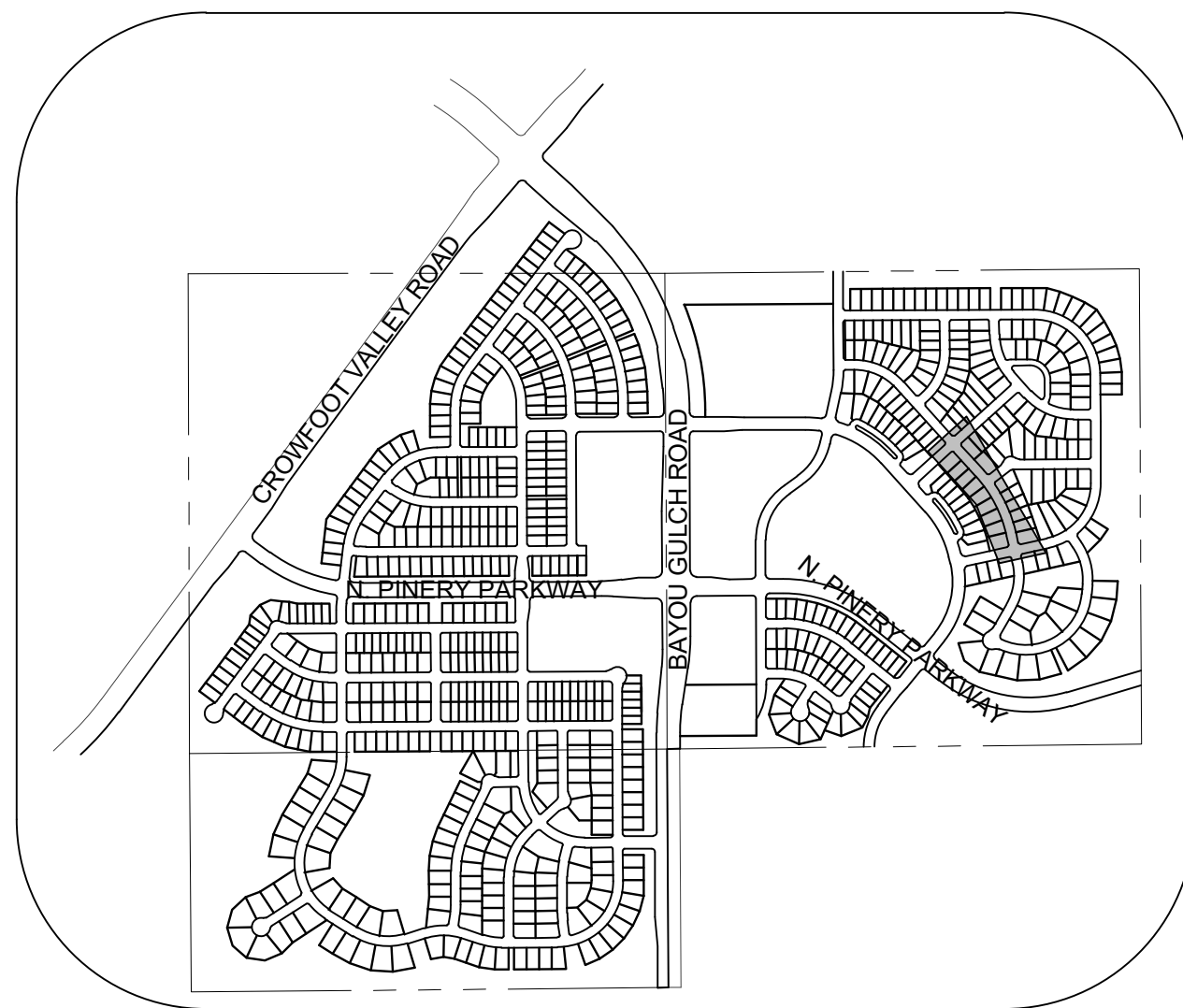
BENCHMARK  
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

BASIS OF BEARINGS:  
THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00° 15' 06" EAST, 2648.70 FEET.

PREPARED UNDER THE SUPERVISION OF



BRIAN P. WILSON  
COLORADO P.E. 0050067



## KEYMAP

N.T.S.

## LEGEND

- |       |                                       |      |                                  |
|-------|---------------------------------------|------|----------------------------------|
| ②     | BLOCK NUMBER                          | △    | PROPOSED RANGE POINT             |
| Ⓐ     | LOT TYPE                              | ---  | CENTERLINE                       |
| 6     | LOT NUMBER                            | ---  | RIGHT-OF-WAY                     |
| ⊗     | PROPOSED BUTTERFLY VALVE              | ---  | PROPERTY LINE                    |
| ⌈     | PROPOSED CAP WITH END OF LINE BLOWOFF | ---  | EDGE OF PAVEMENT                 |
| ⊗     | PROPOSED REDUCER                      | →    | PROPOSED DIRECTION OF FLOW       |
| ⊗     | PROPOSED VALVE                        | 1.0% | PROPOSED SLOPE & DIRECTION       |
| ⊗     | PROPOSED FIRE HYDRANT                 | 5615 | EXISTING 5' CONTOUR              |
| ⊗     | PROPOSED WL FITTING WITH THRUST BLOCK | 5616 | EXISTING 1' CONTOUR              |
| ⊗     | PROPOSED FLARED END SECTION           | 5620 | PROPOSED 5' CONTOUR              |
| ⊗     | PROPOSED LOW POINT BLOW-OFF           | 5607 | PROPOSED 1' CONTOUR              |
| ⊗     | PROPOSED AIR VALVE                    | ---  | PROPOSED STORM DRAIN             |
| ⊗     | FUTURE PHASE VALVE                    | ---  | PROPOSED SEWER LINE WITH MANHOLE |
| ⊗     | FUTURE FIRE HYDRANT                   | ---  | PROPOSED SEWER LATERAL           |
| ⊗     | PROPOSED LIGHT POLE                   | ---  | PROPOSED WATER LINE              |
| ⊗     | PROPOSED SIDEWALK                     | ---  | PROPOSED WATER LATERAL W/ METER  |
| ⊗     | PROPOSED SIDEWALK RAMP                | ---  | SECTION LINE                     |
| 10.00 | EXISTING ELEVATION                    | ---  | FILING BOUNDARY                  |
| 10.00 | PROPOSED DESIGN ELEVATION             | ---  | EXISTING FIBER                   |
| ⊗     | PROPOSED STORM DRAIN INLET            | ---  | FO                               |
| ⊗     | PROPOSED STORM DRAIN MANHOLE          | ---  | OH                               |
| ⊗     |                                       | ---  | TEL                              |
| ⊗     |                                       | ---  | EXISTING TELEPHONE LINE          |
| ⊗     |                                       | ---  | PWSD EASEMENT                    |
| ⊗     |                                       | ---  | TYP. EASEMENT                    |

## ABBREVIATIONS

- |     |                        |        |                                 |
|-----|------------------------|--------|---------------------------------|
| AD  | ANGLE DIFFERENCE       | MH     | MANHOLE                         |
| AV  | AIR VAC RELEASE VALVE  | N.T.S. | NOT TO SCALE                    |
| BVC | BEGIN VERTICAL CURVE   | PVC    | POLYVINYL CHLORIDE              |
| BVP | BEGIN VERTICAL PROFILE | PVI    | PT. OF VERTICAL INTERSECTION    |
| CBO | CAP WITH BLOW OFF      | PVT    | POINT OF VERTICAL TANGENT       |
| CRR | CURB RETURN RADIUS     | RCBC   | REINFORCED CONCRETE BOX CULVERT |
| EL  | ELEVATION              | RCR    | REINFORCED CONCRETE PIPE        |
| EP  | EDGE OF PAVEMENT       | ROW    | RIGHT OF WAY                    |
| EVC | END VERTICAL CURVE     | SC     | SANITARY CAP                    |
| EVP | END VERTICAL PROFILE   | SD     | STORM DRAIN                     |
| FG  | FINISHED GROUND        | SL     | SECTION LINE                    |
| FH  | FIRE HYDRANT           | SS     | SANITARY SEWER                  |
| FL  | FLOW LINE              | STA    | STATION                         |
| GV  | GATE VALVE             | T.O.P. | TOP OF PIPE                     |
| HCR | HANDICAP CURB RAMP     | UE     | UTILITY EASEMENT                |
| HP  | HIGH POINT             | VC     | VERTICAL CURVE                  |
| INV | INVERT                 | WL     | WATER LINE                      |
| K   | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF  | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |

1. SEE SHEET 3 - AREA UTILITY PLAN FOR WATER SERVICE TABLE

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Suite 240  
Englewood, CO 80112  
Tel: 720.482.952  
www.cvlinc.net  
westwoodjpa.com



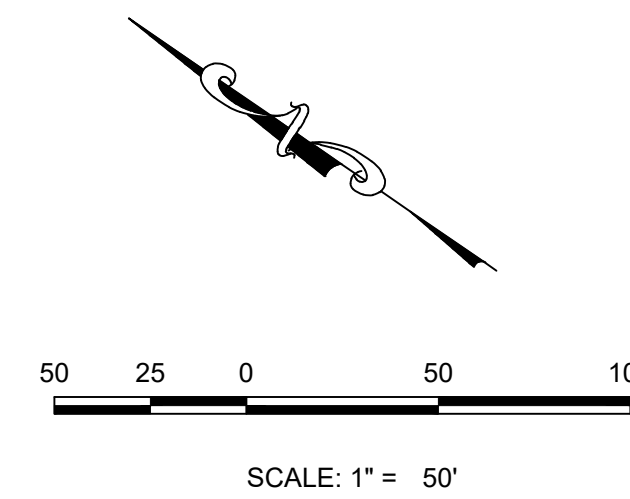
HR 935 LLC  
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CENTENNIAL, CO 80112

TRAILS AT CROWFOOT  
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WATER PLAN & PROFILE  
ALPINE PHLOX LANE

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AS SHOWN  
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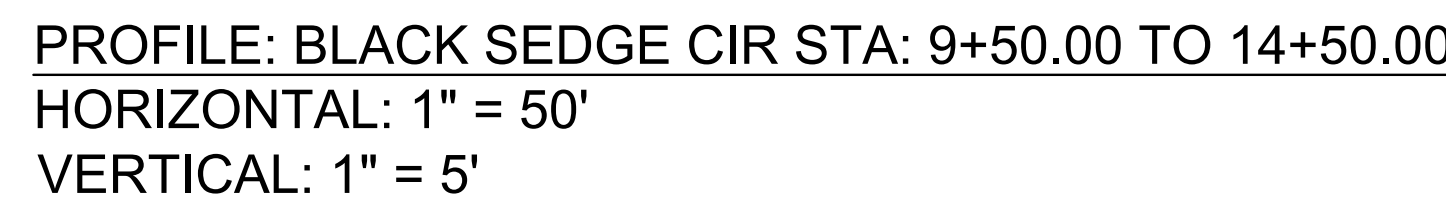
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CHECKED BY:  
JUU  
DATE:  
SEPTEMBER 2017

SHEET NUMBER  
12



|       |                                       |             |                                  |
|-------|---------------------------------------|-------------|----------------------------------|
|       | BLOCK NUMBER                          |             | PROPOSED RANGE POINT             |
|       | LOT TYPE                              | ---         | CENTERLINE                       |
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|       | PROPOSED CAP WITH END OF LINE BLOWOFF | =====       | EDGE OF PAVEMENT                 |
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|       | PROPOSED AIR VALVE                    |             | PROPOSED STORM DRAIN             |
|       | FUTURE PHASE VALVE                    | =====       | PROPOSED SEWER LINE WITH MANHOLE |
|       | FUTURE FIRE HYDRANT                   | =====       | PROPOSED SEWER LATERAL           |
|       | PROPOSED LIGHT POLE                   | ===== 8" W  | PROPOSED WATER LINE              |
| ===== | PROPOSED SIDEWALK                     | =====       | PROPOSED WATER LATERAL W/ METER  |
|       | PROPOSED SIDEWALK RAMP                | ---         | SECTION LINE                     |
| 10.00 | EXISTING ELEVATION                    |             | FILING BOUNDARY                  |
| 10.00 | PROPOSED DESIGN ELEVATION             | — FO —      | EXISTING FIBER OPTIC LINE        |
|       | PROPOSED STORM DRAIN INLET            | — OH —      | EXISTING OVERHEAD POWER          |
|       | PROPOSED STORM DRAIN MANHOLE          | — TEL —     | EXISTING TELEPHONE LINE          |
|       |                                       | -----       | PWSD EASEMENT                    |
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| K             | CURVATURE COEFFICIENT  | WLC    | WATER LINE CONNECTION           |
| LF            | LINEAR FEET            | WSE    | WATER SURFACE ELEVATION         |



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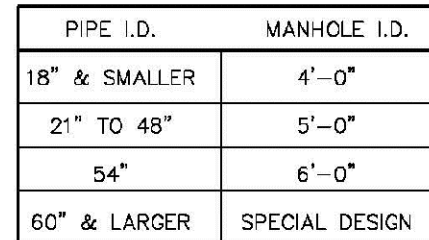
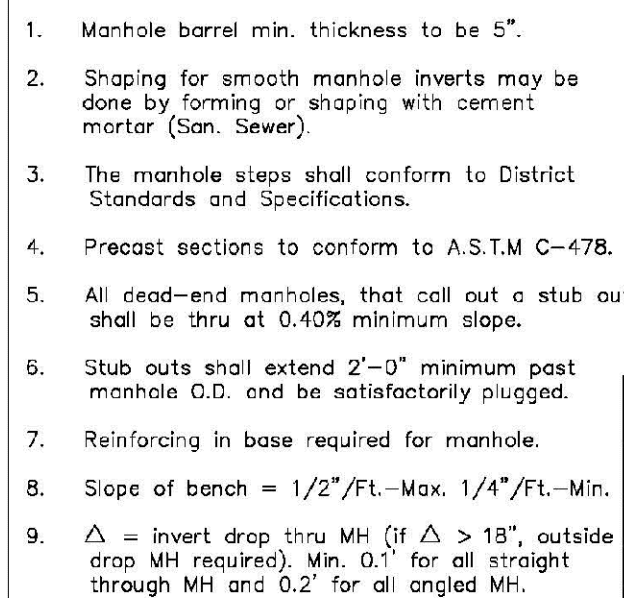
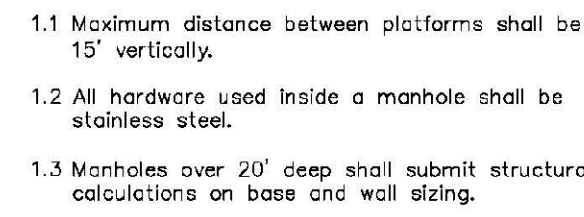
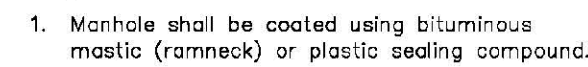
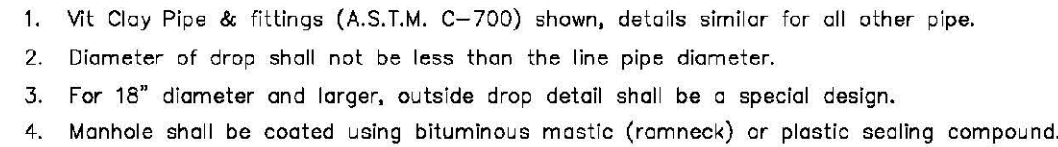
BRIAN P. WILSON  
COLORADO P.E. 0050067

1. ALL SERVICE INSPECTIONS MUST BE SCHEDULED WITH THE DISTRICT OFFICE AT LEAST 24 HOURS IN ADVANCE OF THE REQUESTED INSPECTION.
2. IF THE CONTRACTOR IS NOT READY FOR INSPECTION WHEN THE INSPECTOR ARRIVES AT THE SITE, A RE-INSPECTION WILL HAVE TO BE SCHEDULED IN ACCORDANCE WITH NOTE 1 ABOVE AND A RE-INSPECTION FEE CHARGED.
3. SHOULD THE SERVICE LINES BE DAMAGED BY FASTER CONSTRUCTION, AN INSPECTION OF THE DAMAGED AREA SHALL BE CONDUCTED WITH NOTES 1 AND 2 ABOVE.
4. THE CONTRACTOR SHALL LEAVE ALL FILL AND FITTINGS EXPOSED FOR THE INSPECTOR TO OBSERVE. INSPECTORS WILL NOT ENTER ANY EXCAVATIONS TO CHECK MATERIALS. THE TOP LAYER OF BEDDING CAN BE ADDED AFTER THE INSPECTION HAS BEEN COMPLETED.
5. ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.
6. LOTS WITHOUT BUILDING ADDRESSES OR LOT AND BLOCK NUMBERS BEFORE DISTRICT INSPECTION OR METER SET WILL FAIL AUTOMATICALLY.
7. CONTRACTOR MUST BE PRESENT AT TIME OF INSPECTION UNLESS COORDINATED WITH DISTRICT INSPECTOR.

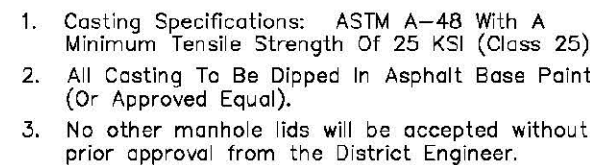
1. ACCEPTABLE PIPE MATERIALS ARE TO BE SDR 35 PVC PIPE, ABS PIPE AND PVC SCHD 40 PIPE. APPROVED BEDDING IS TO BE SQUEEGEE.
2. NO-HUB CLAMPS SHALL BE USED TO JOIN 2 MALE PIPE ENDS WITH A MAXIMUM DEFLECTION OF 3".
3. MINIMUM GRADE SHALL BE 2%.
4. INSTALLATION SHALL INCLUDE NO MORE THAN 3 BENDS. 90° BENDS ARE NOT ALLOWED. SOLVENT WELDED PIPE WILL NOT BE ALLOWED.
5. CLEAN-OUTS SHALL BE INSTALLED AT 100' INTERVALS AND EVERY CHANGE IN DIRECTION. CLEAN-OUTS ARE NOT REQUIRED FOR SERVICES LESS THAN 100' UNLESS THERE ARE CHANGES IN DIRECTION. PROVIDE DUAL CLEAN-OUT WITHIN 5 FEET OF FOUNDATION.
6. STRESSING OF THE PIPE BETWEEN FITTINGS WILL NOT BE ALLOWED.
7. SEWER SERVICE LINE SHALL NOT BE LOCATED UNDER CONCRETE SURFACE.
8. ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:  
"X" FOR SANITARY SEWER SERVICE  
"V" FOR WATER SERVICES

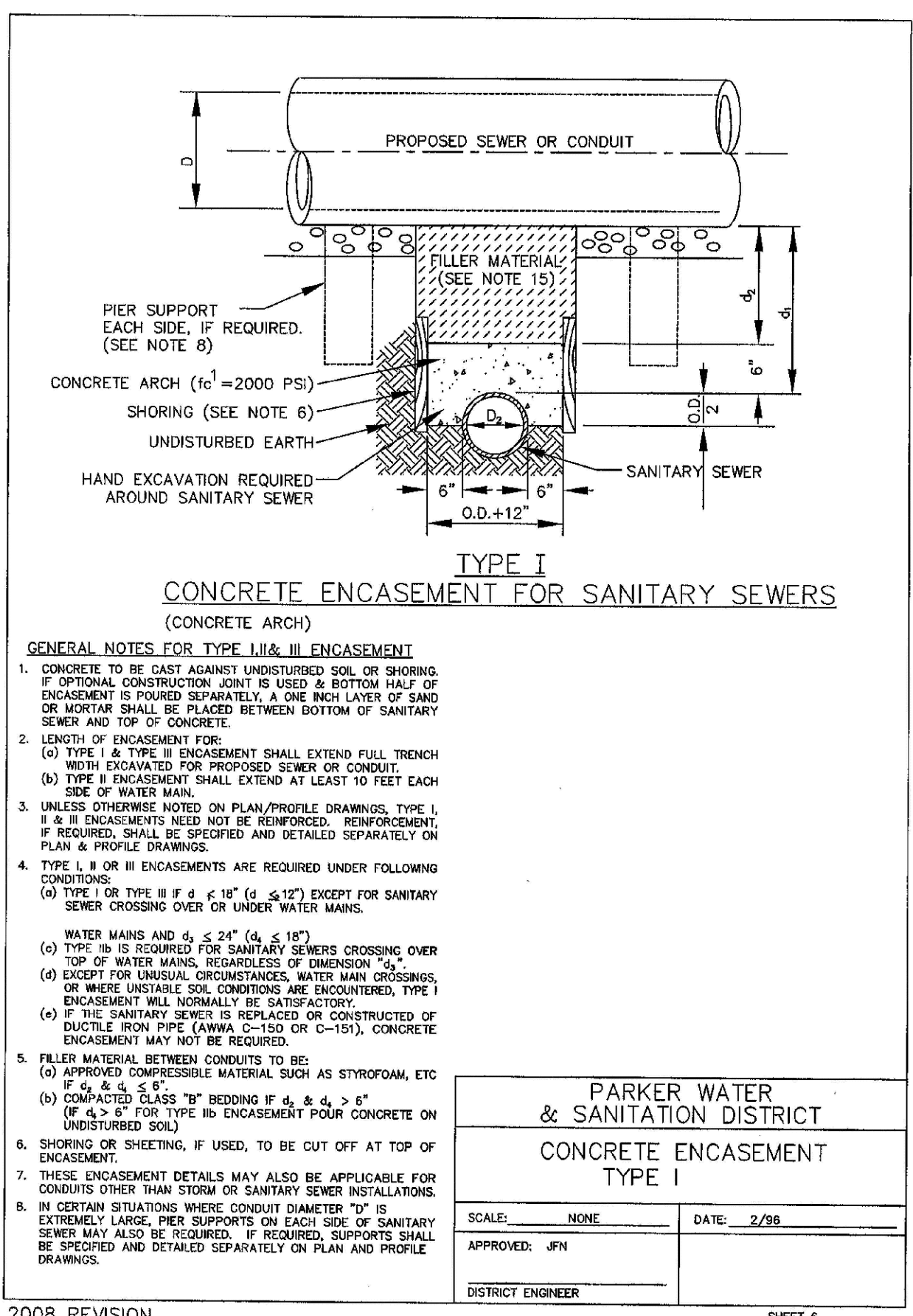
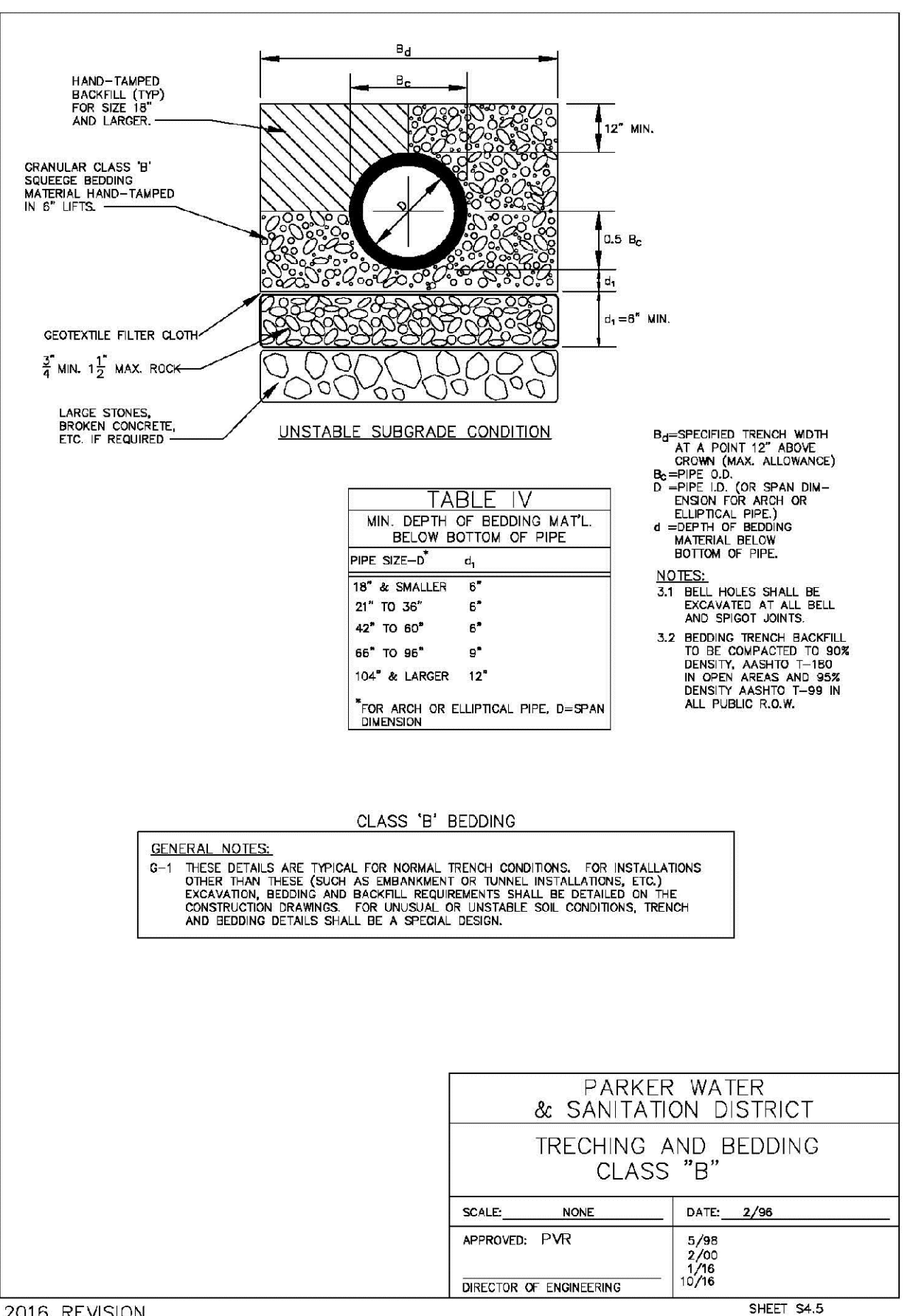
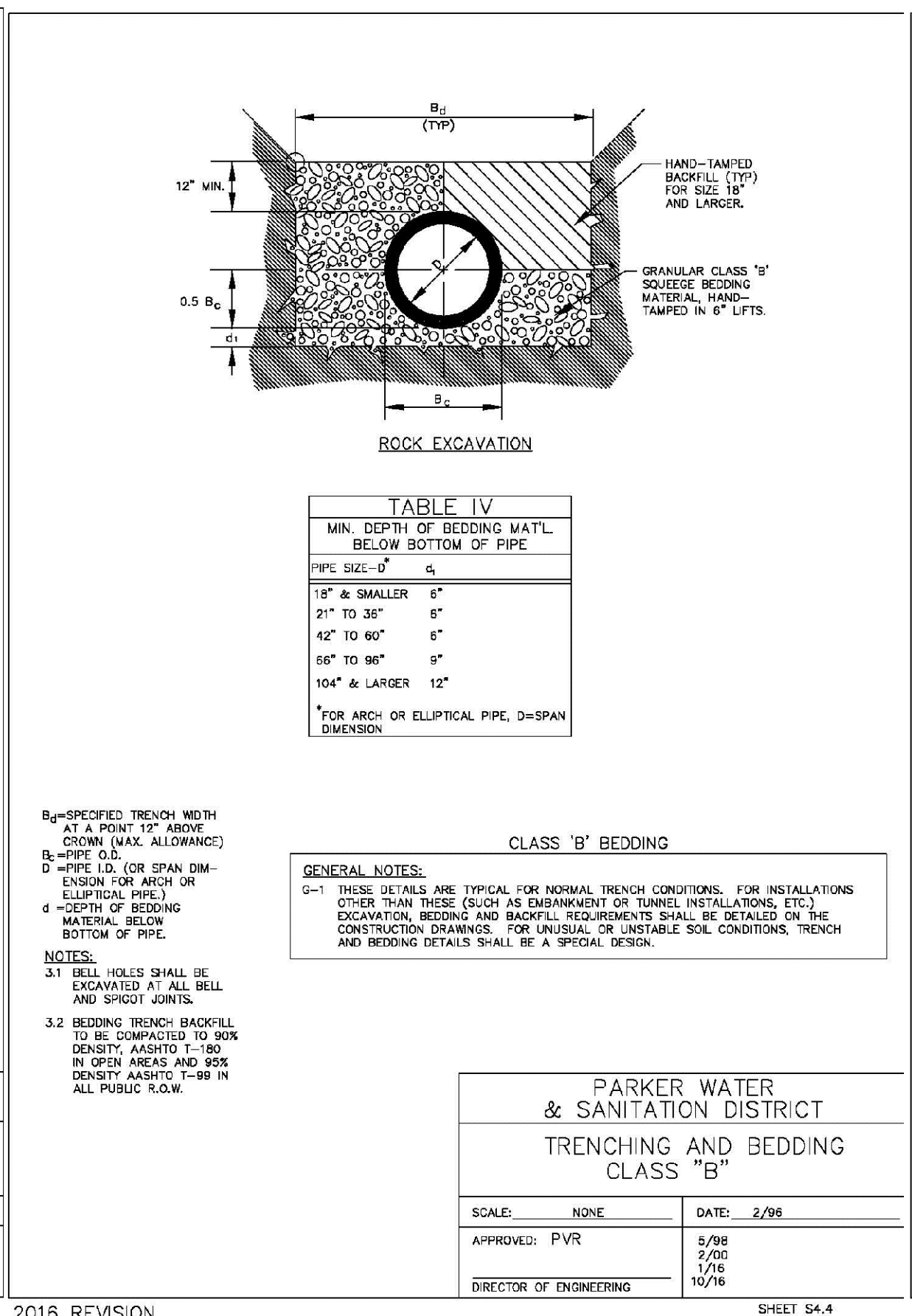
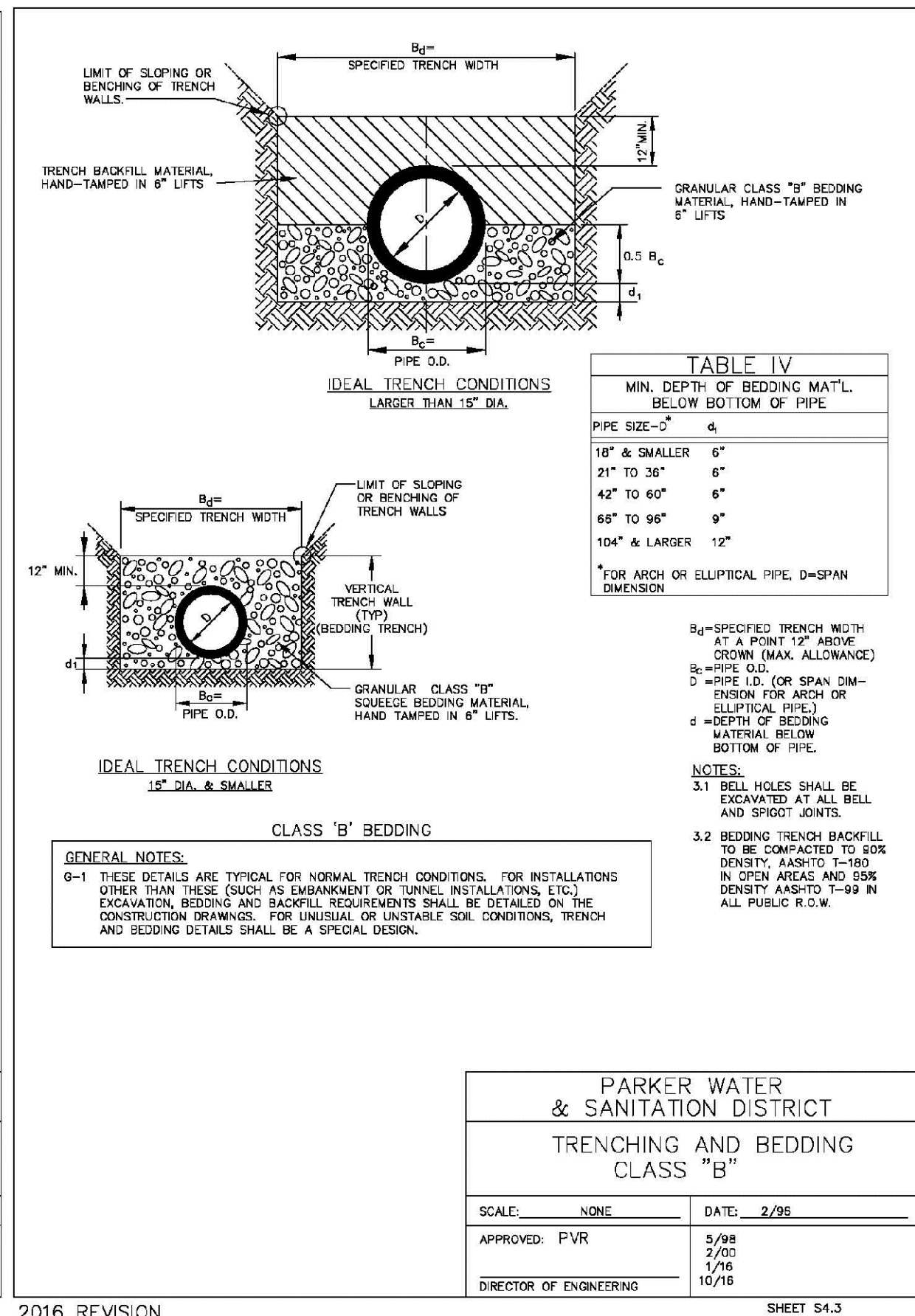
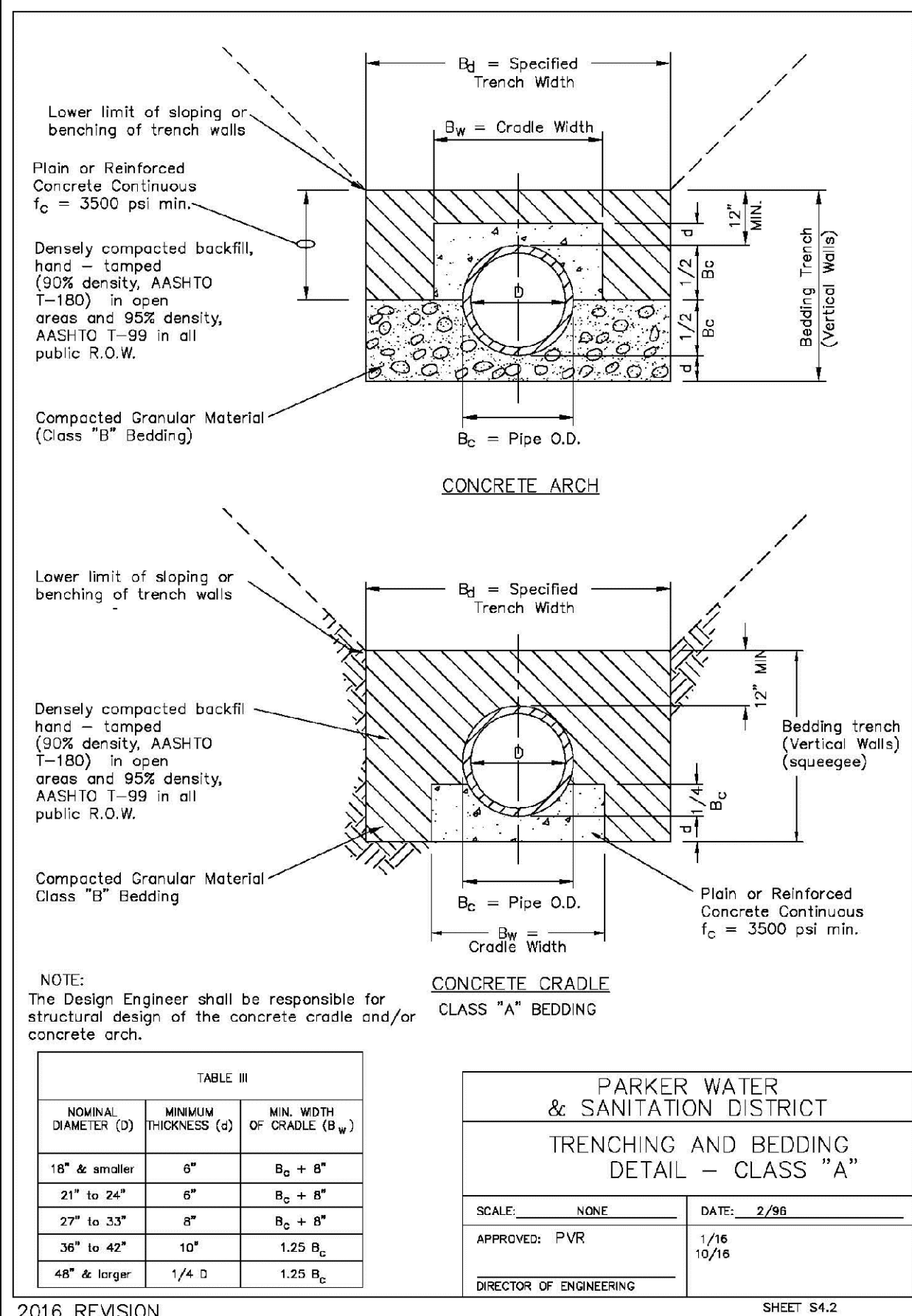
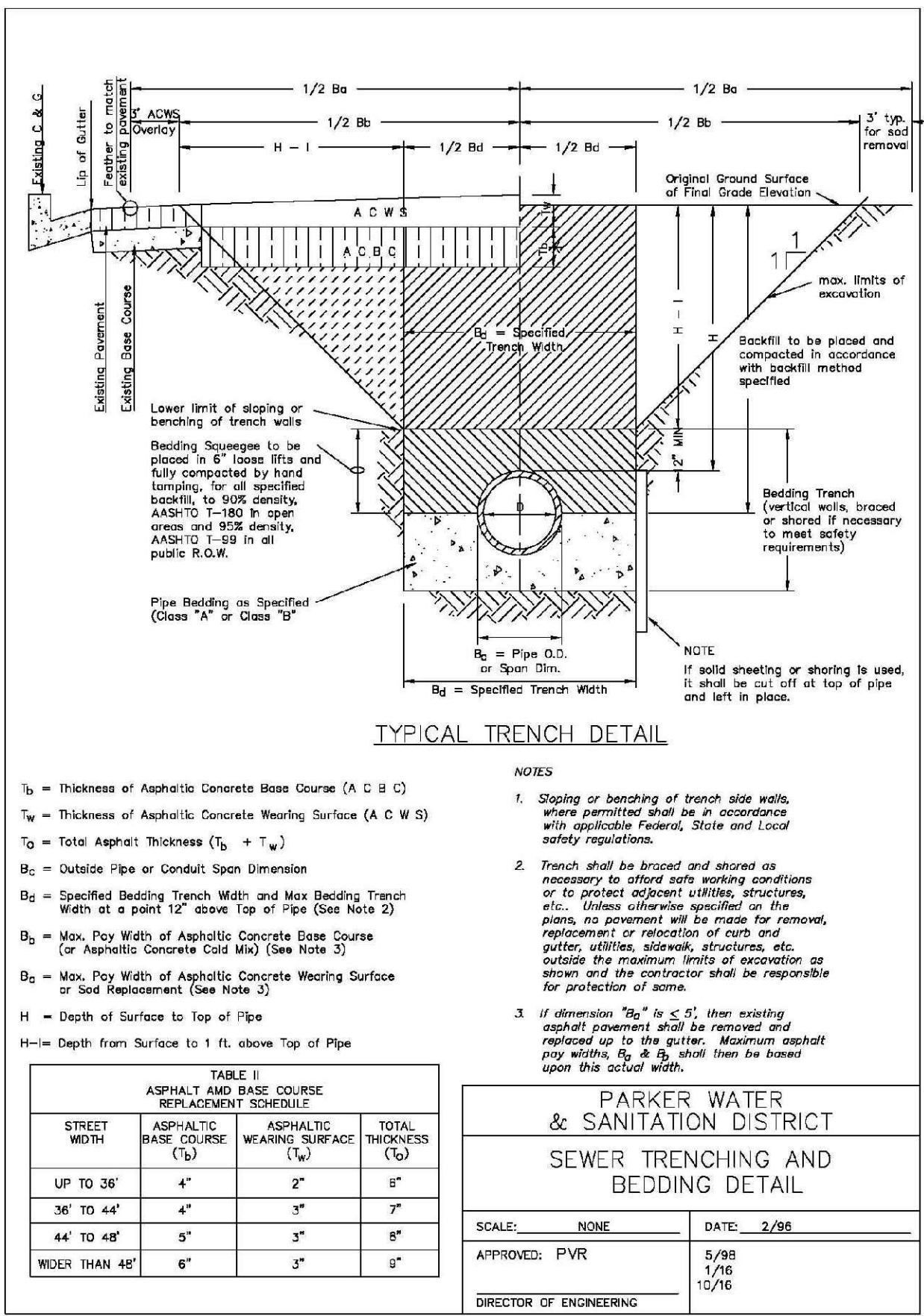
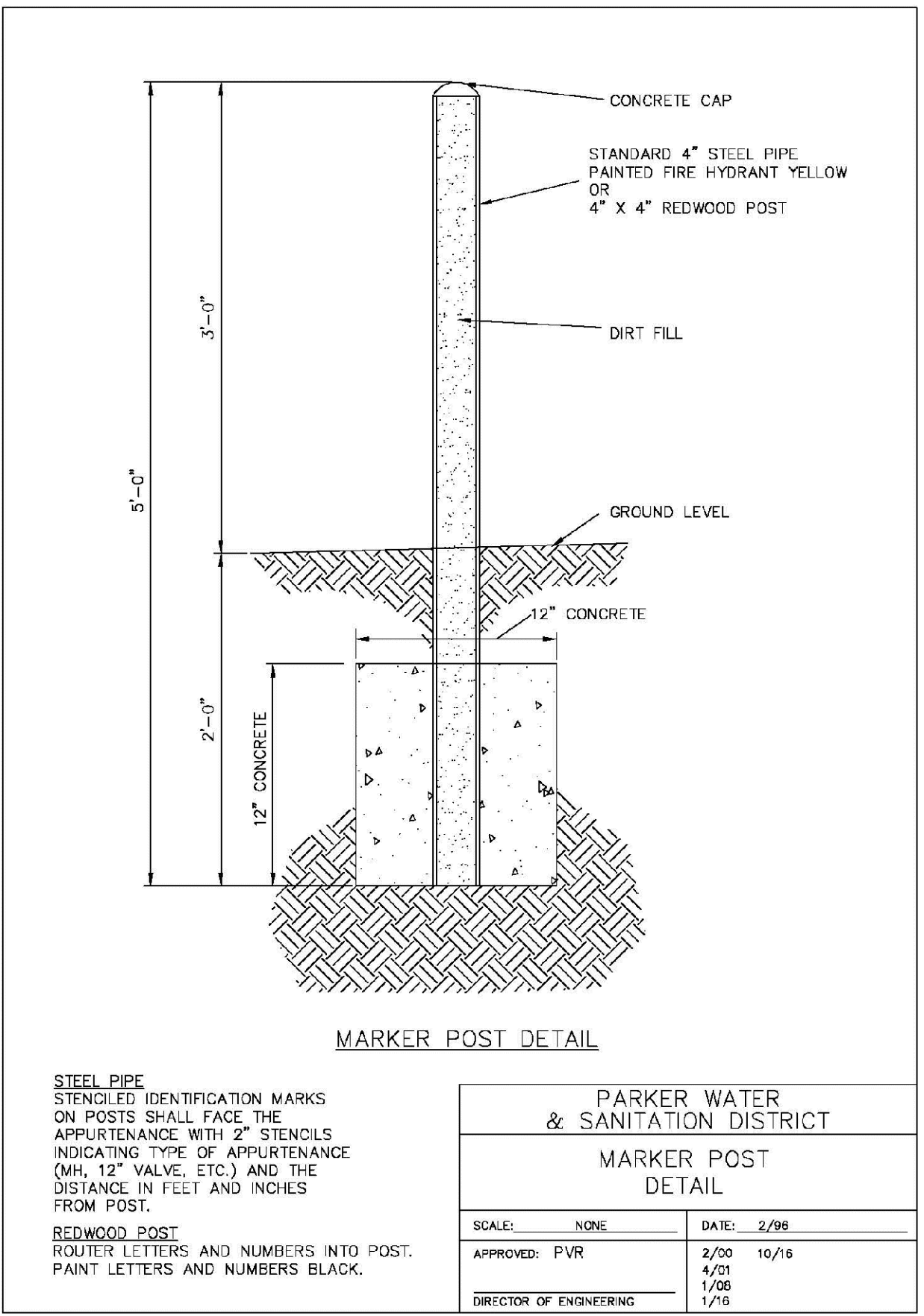
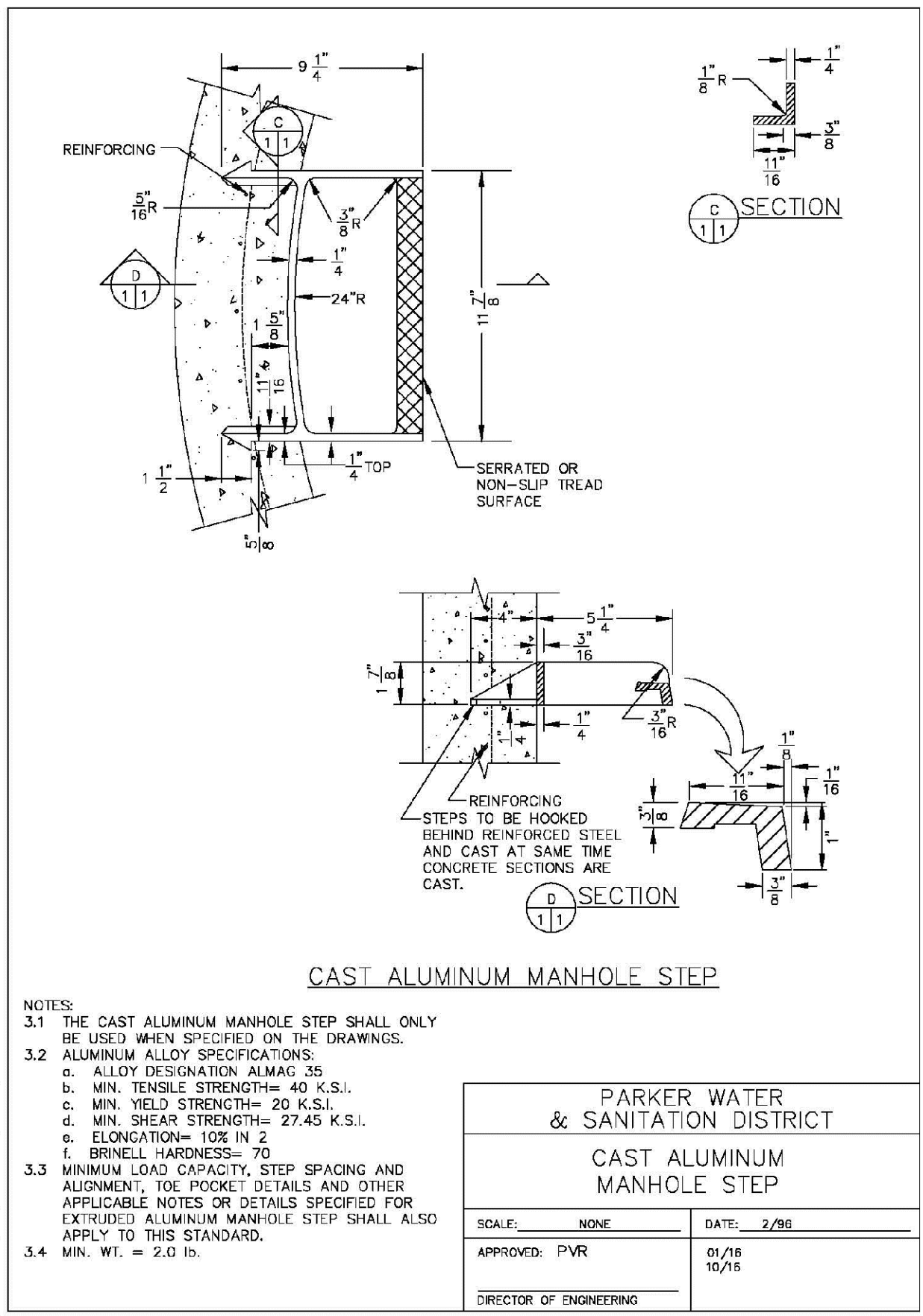
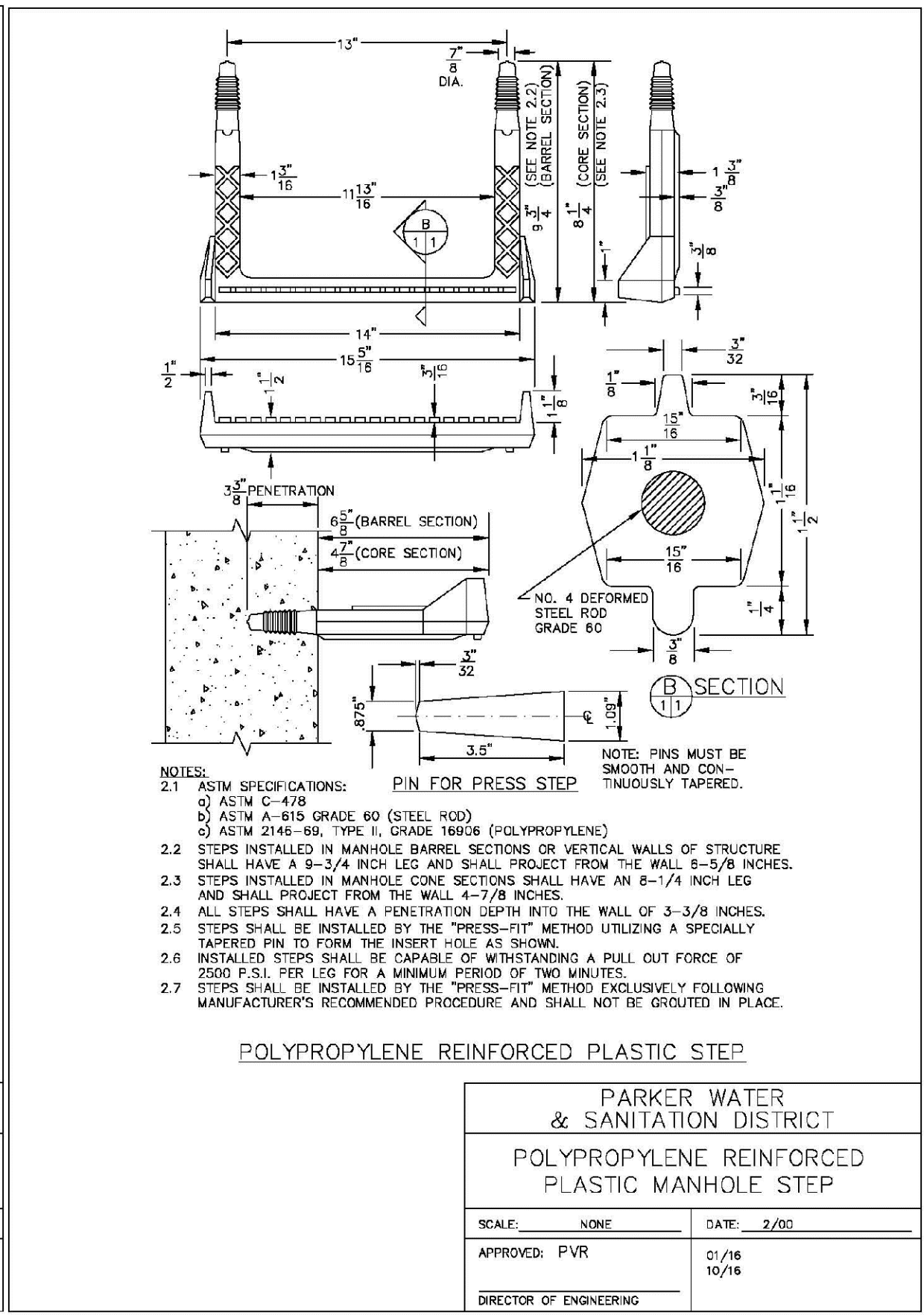
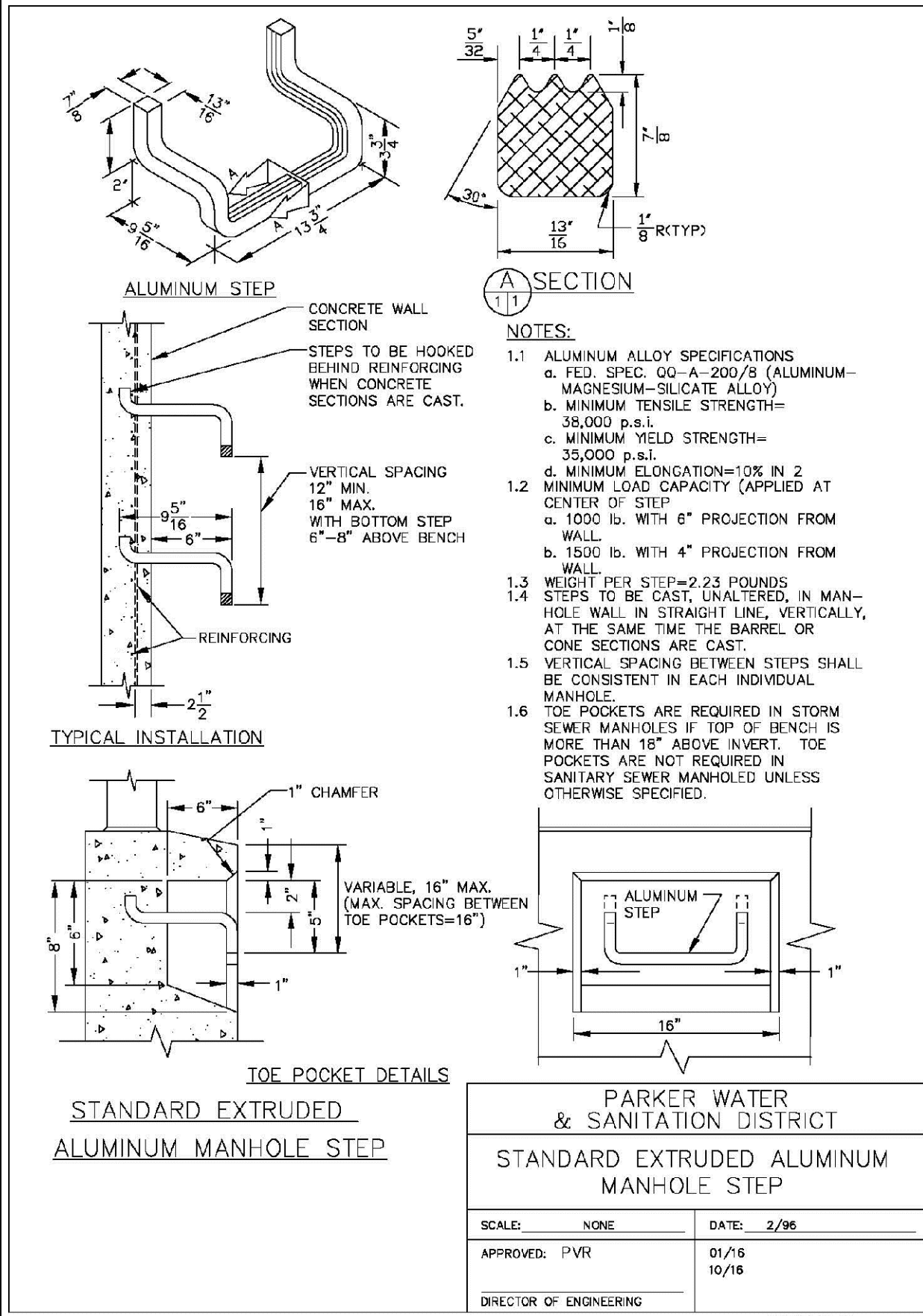
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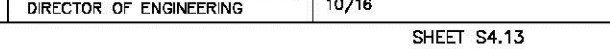
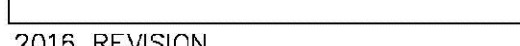
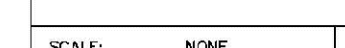
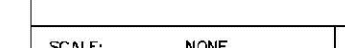
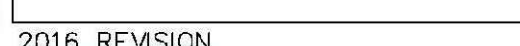
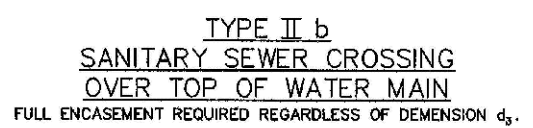
- NOTE
1. SEE SHEET S1.1 FOR DISTRICT POLICIES AND INSTALLATION NOTES.
  2. TYPICAL WATER SERVICES SHOWN ON SHEET W1.2 IN WATER DETAILS.

2016 REVISION2016 REVISION2016 REVISION2016 REVISION2016 REVISION2016 REVISION

## 2016 REVISION

2016 REMSION







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UTILITY NOTIFICATION  
CENTER OF COLORADO

**CALL 811  
TWO WORKING DAYS  
BEFORE YOU DIG  
1-800-922-1987**



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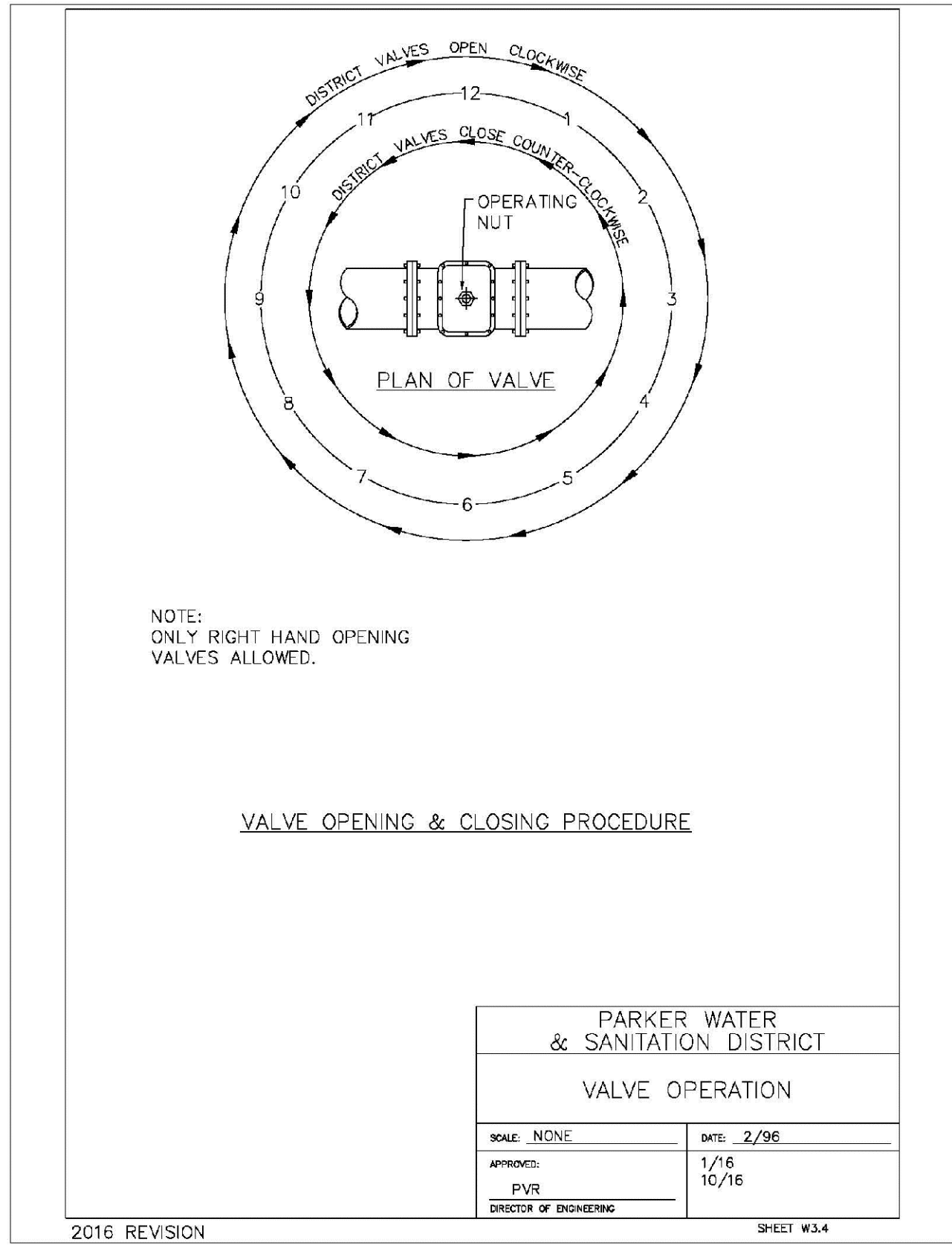
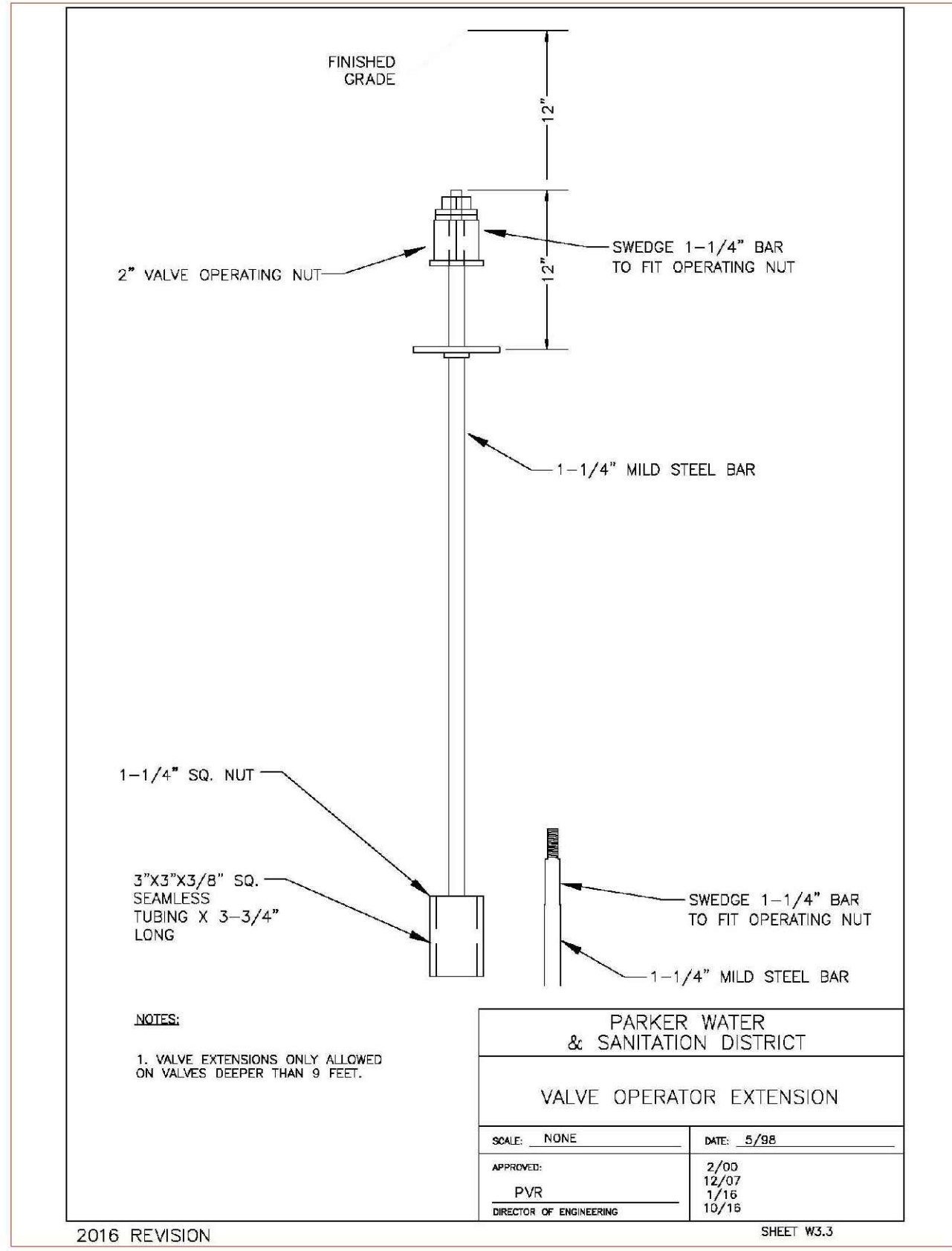
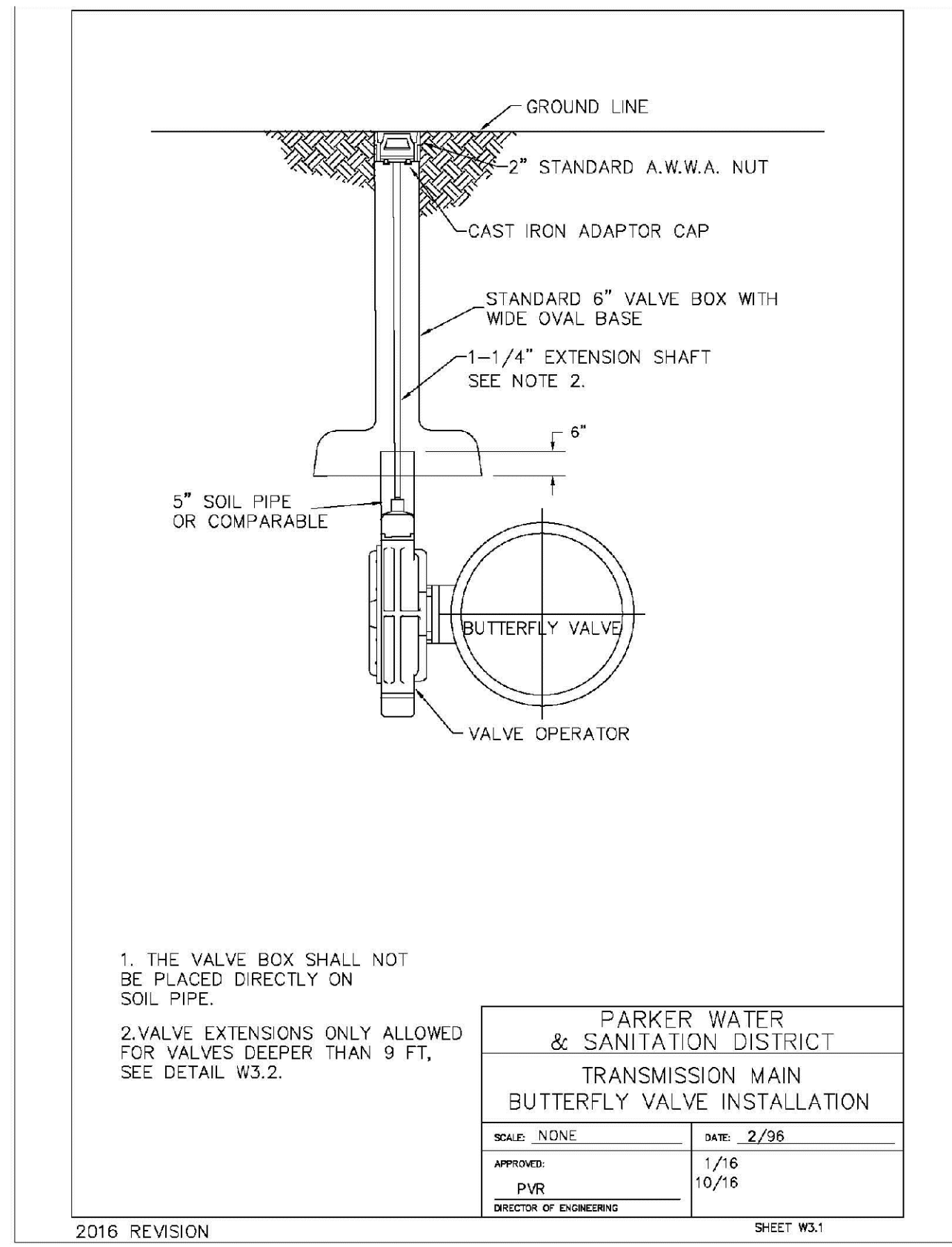
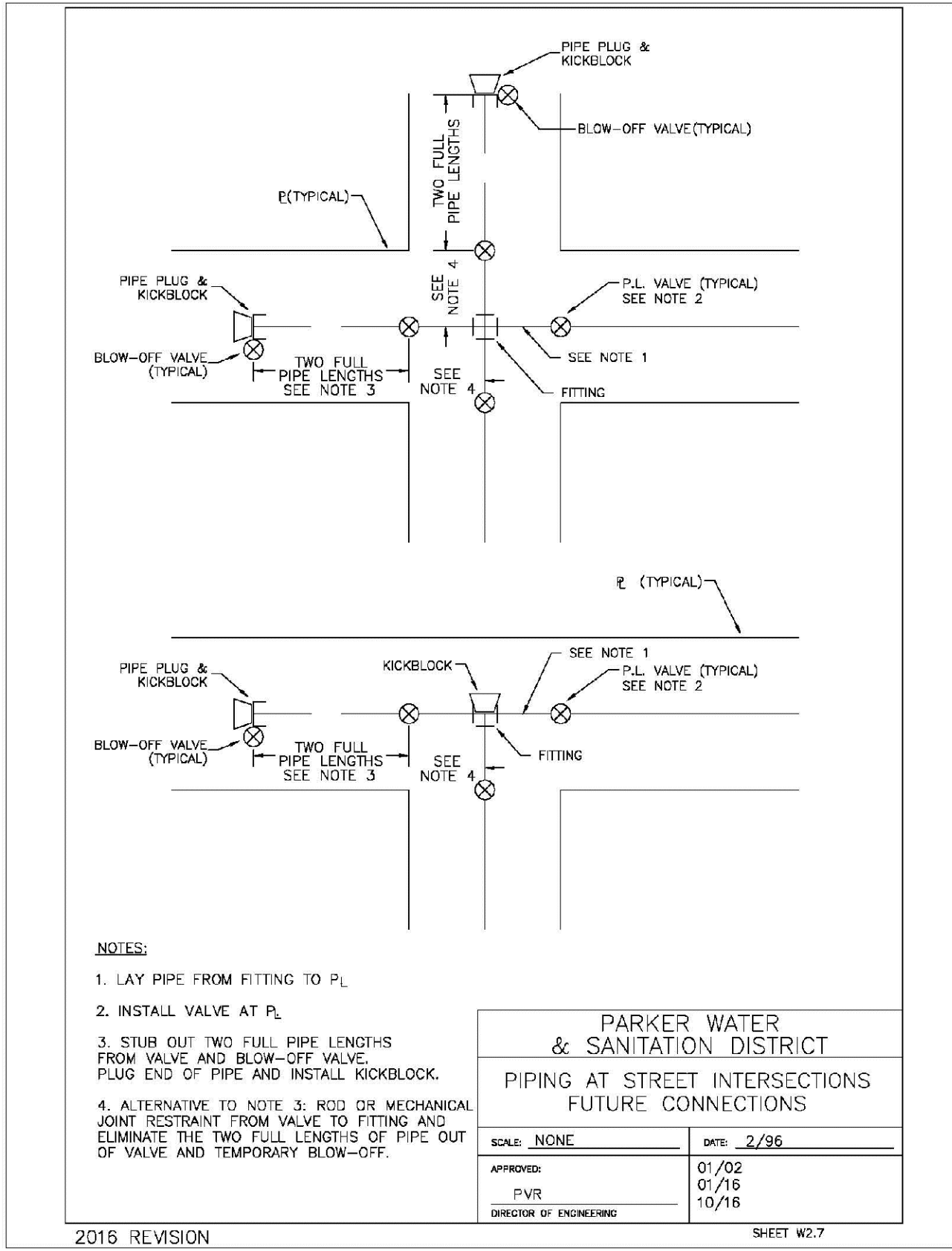
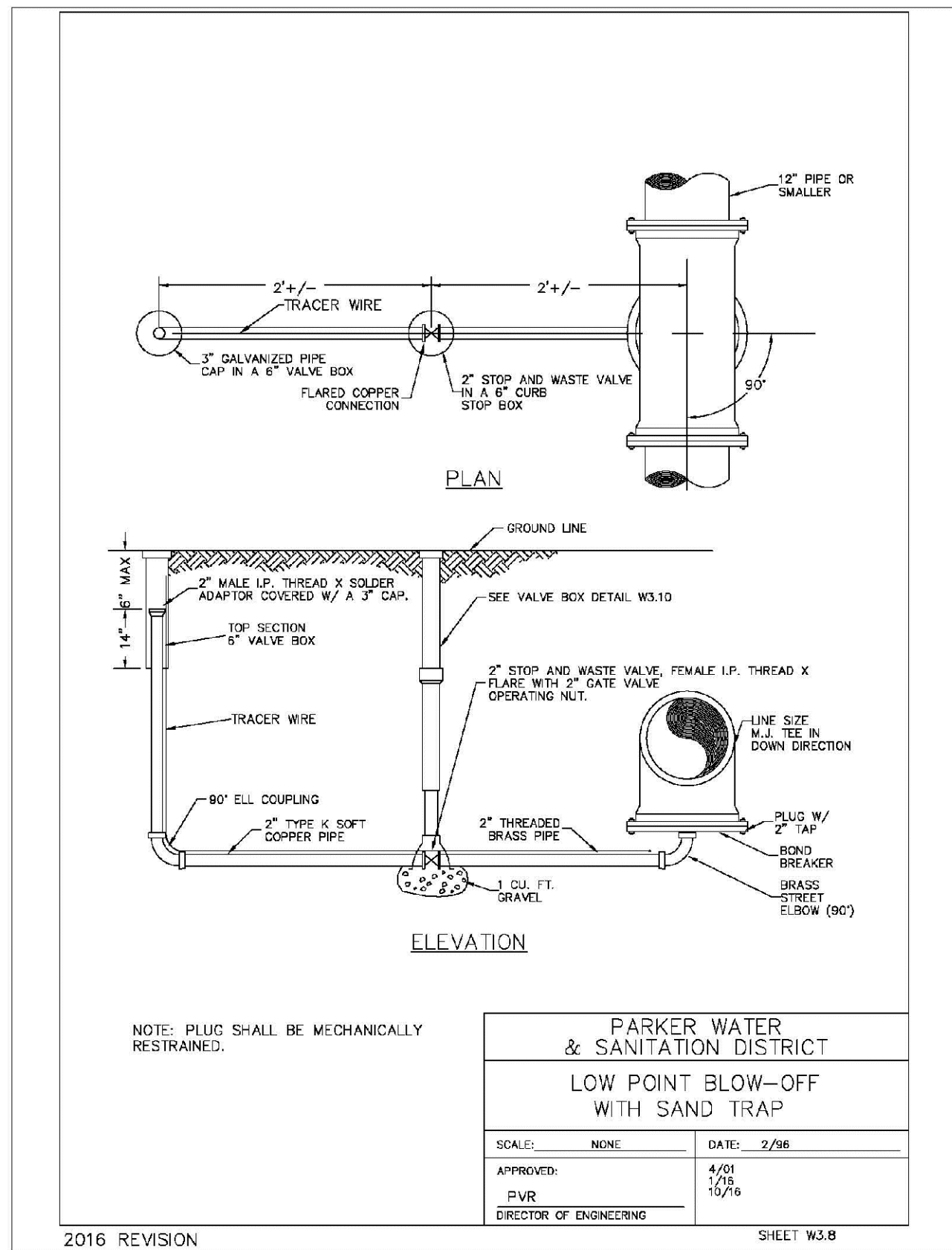
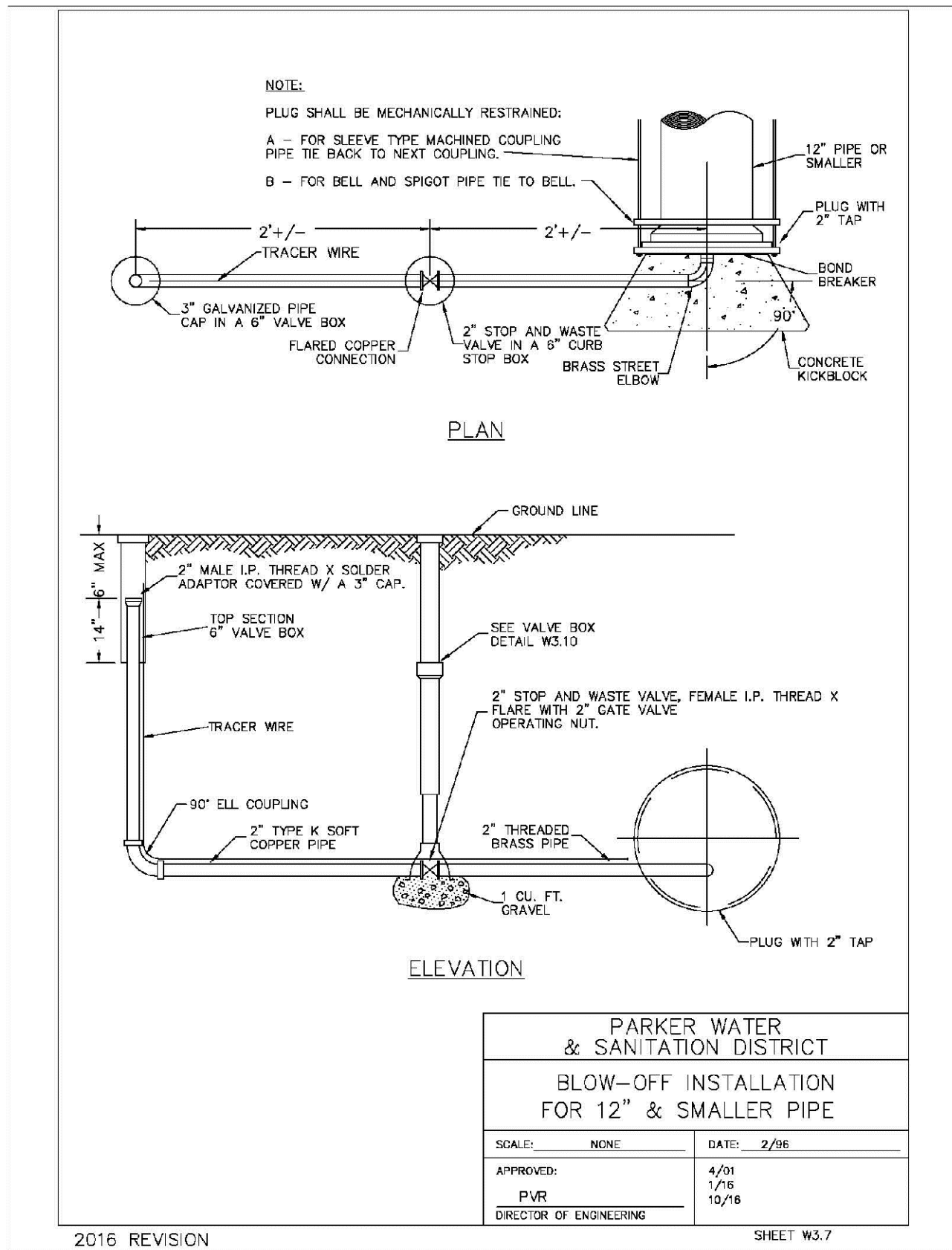
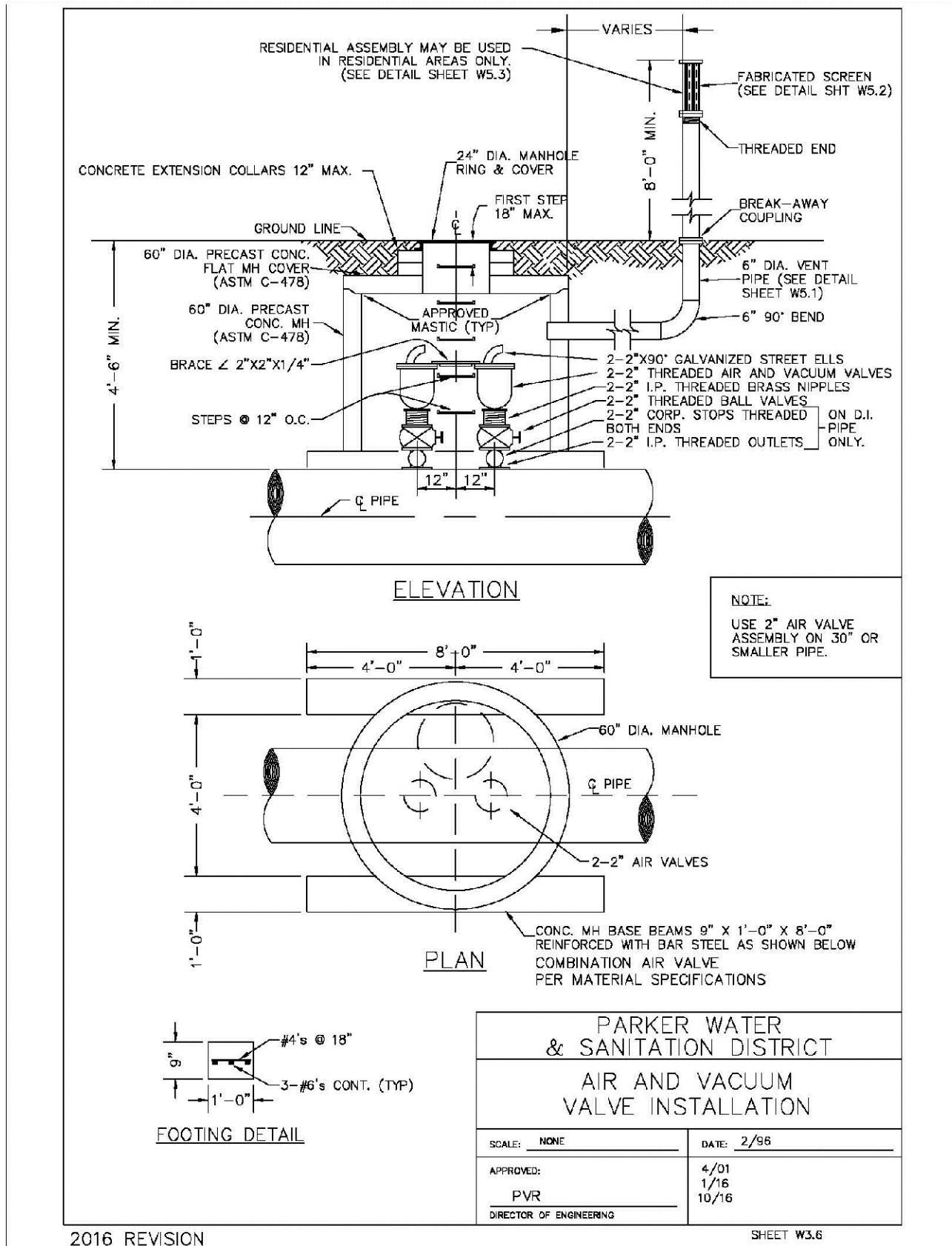
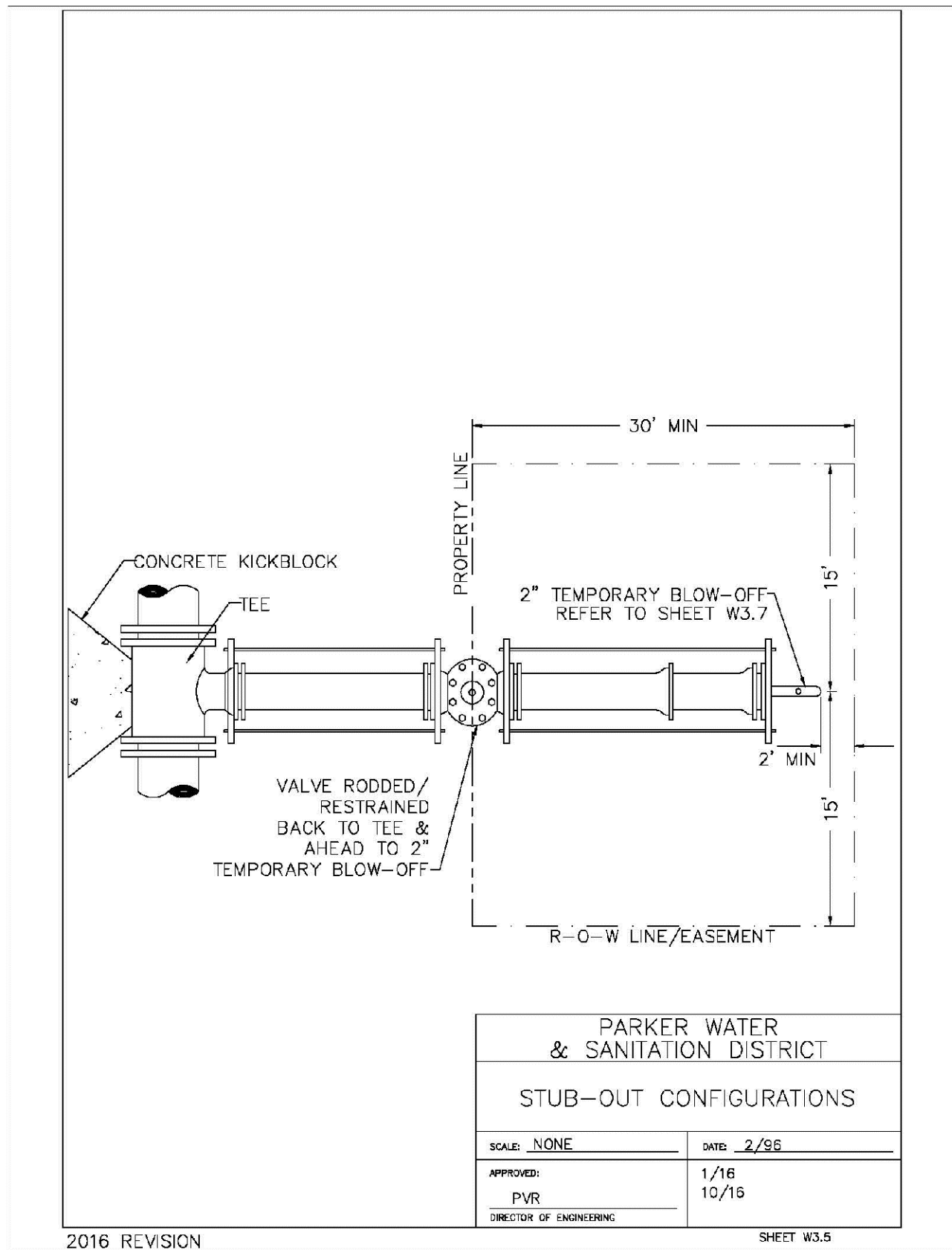
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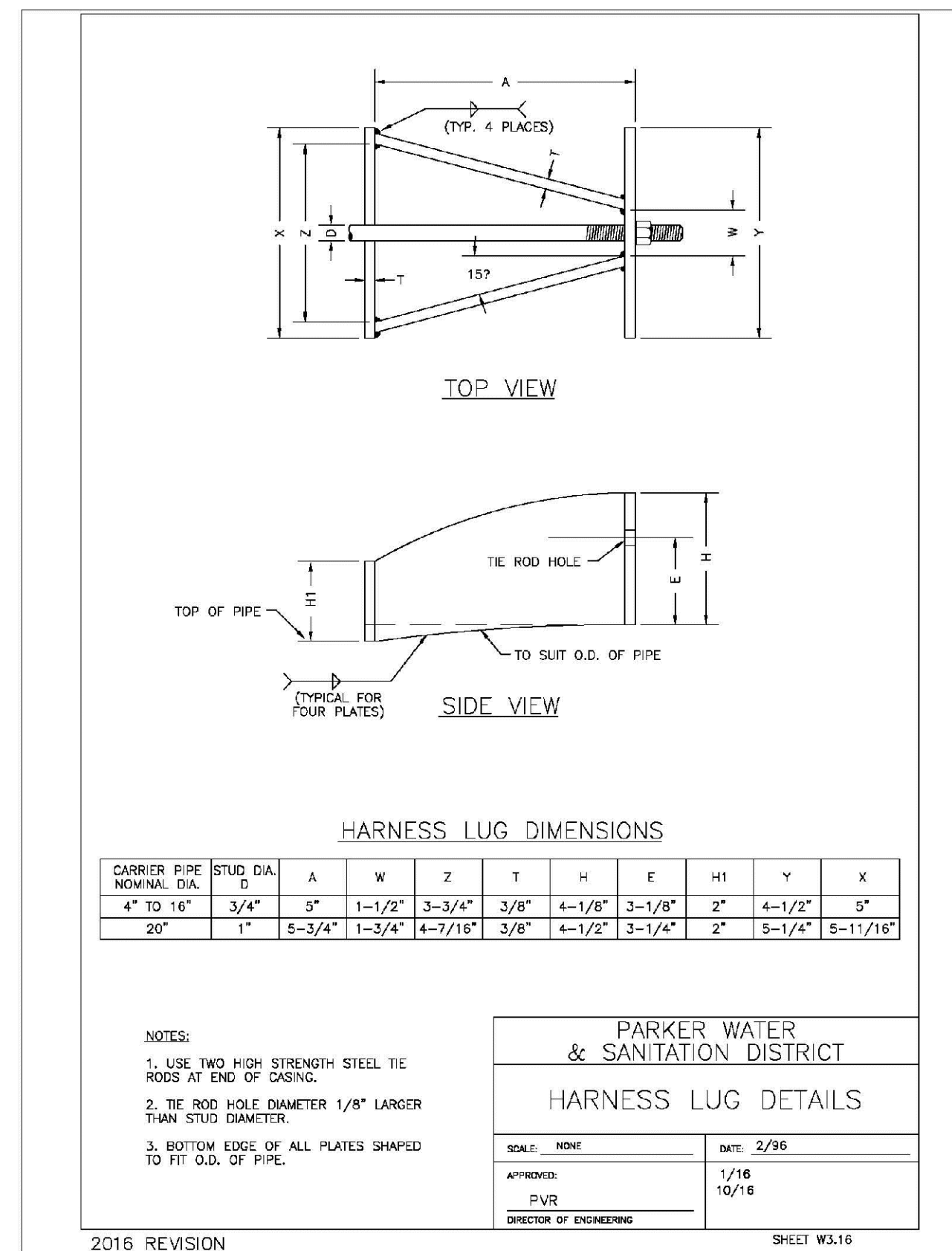
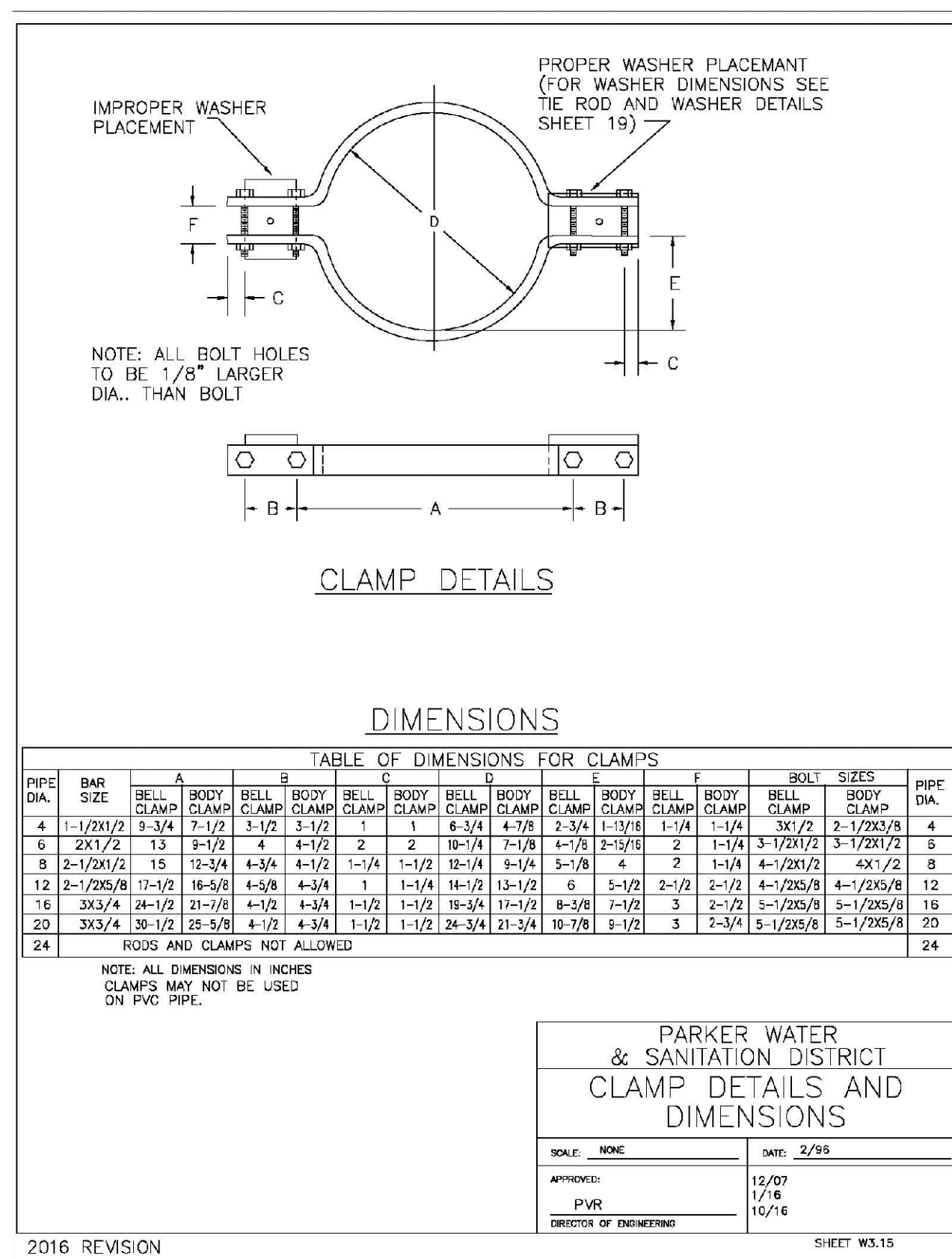
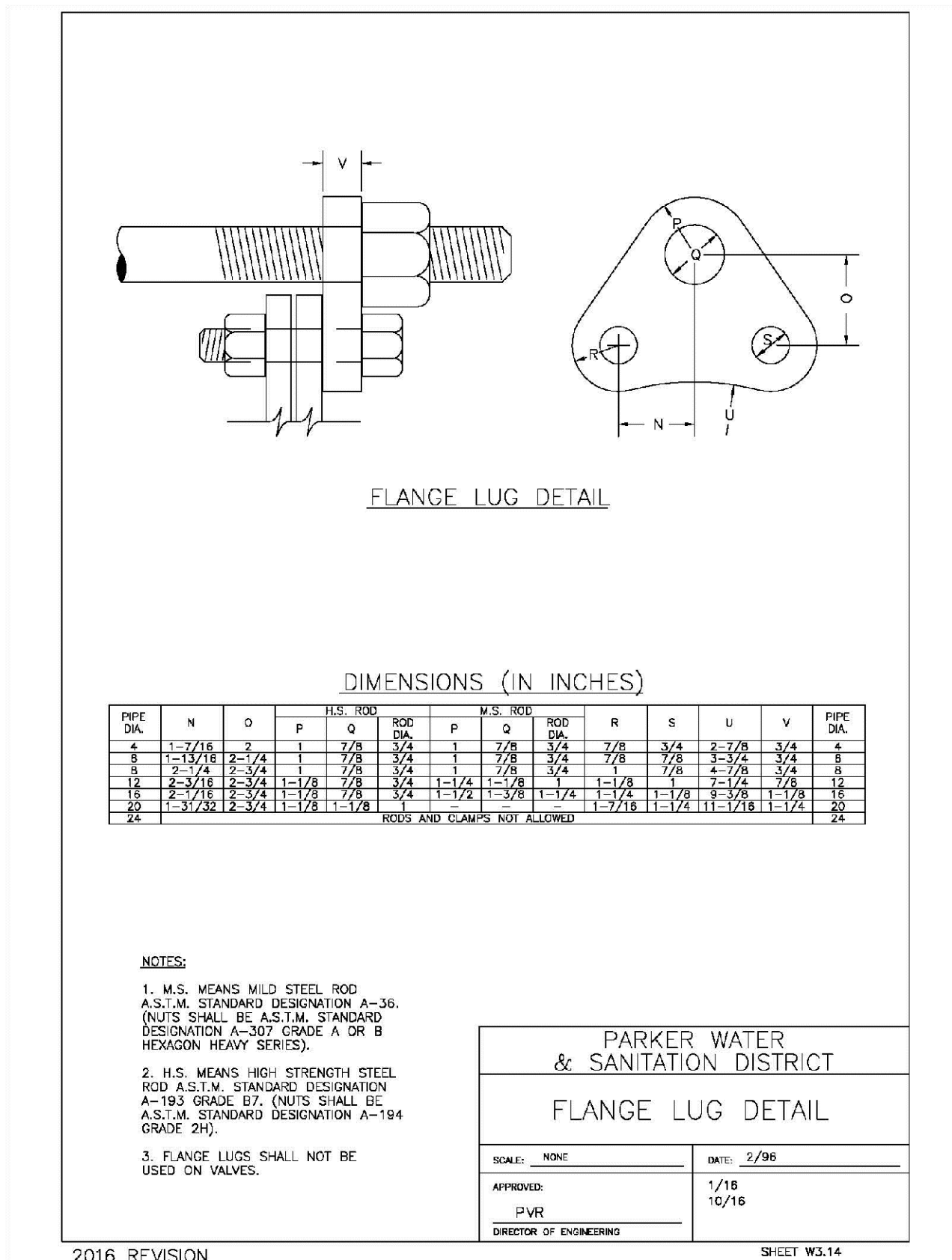
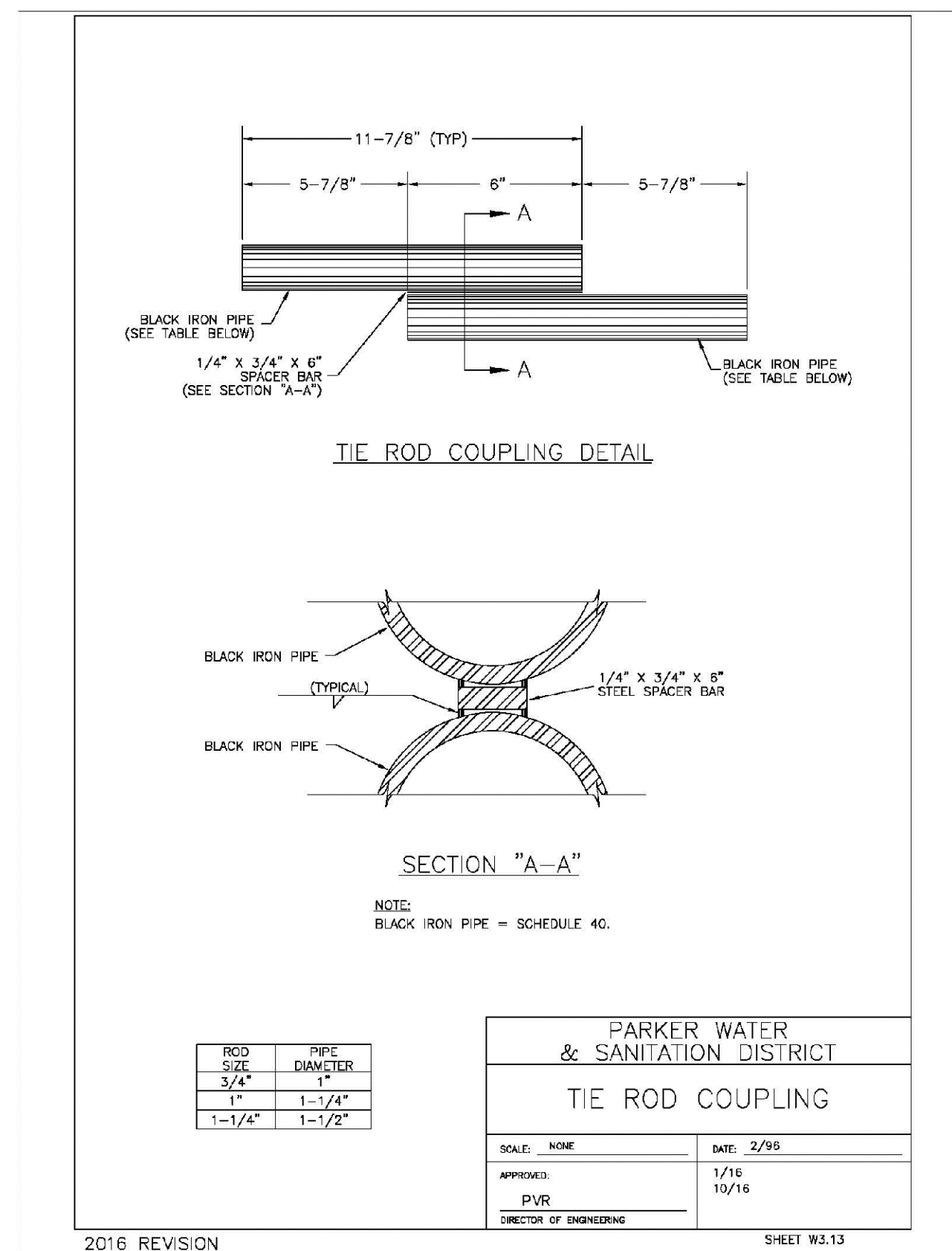
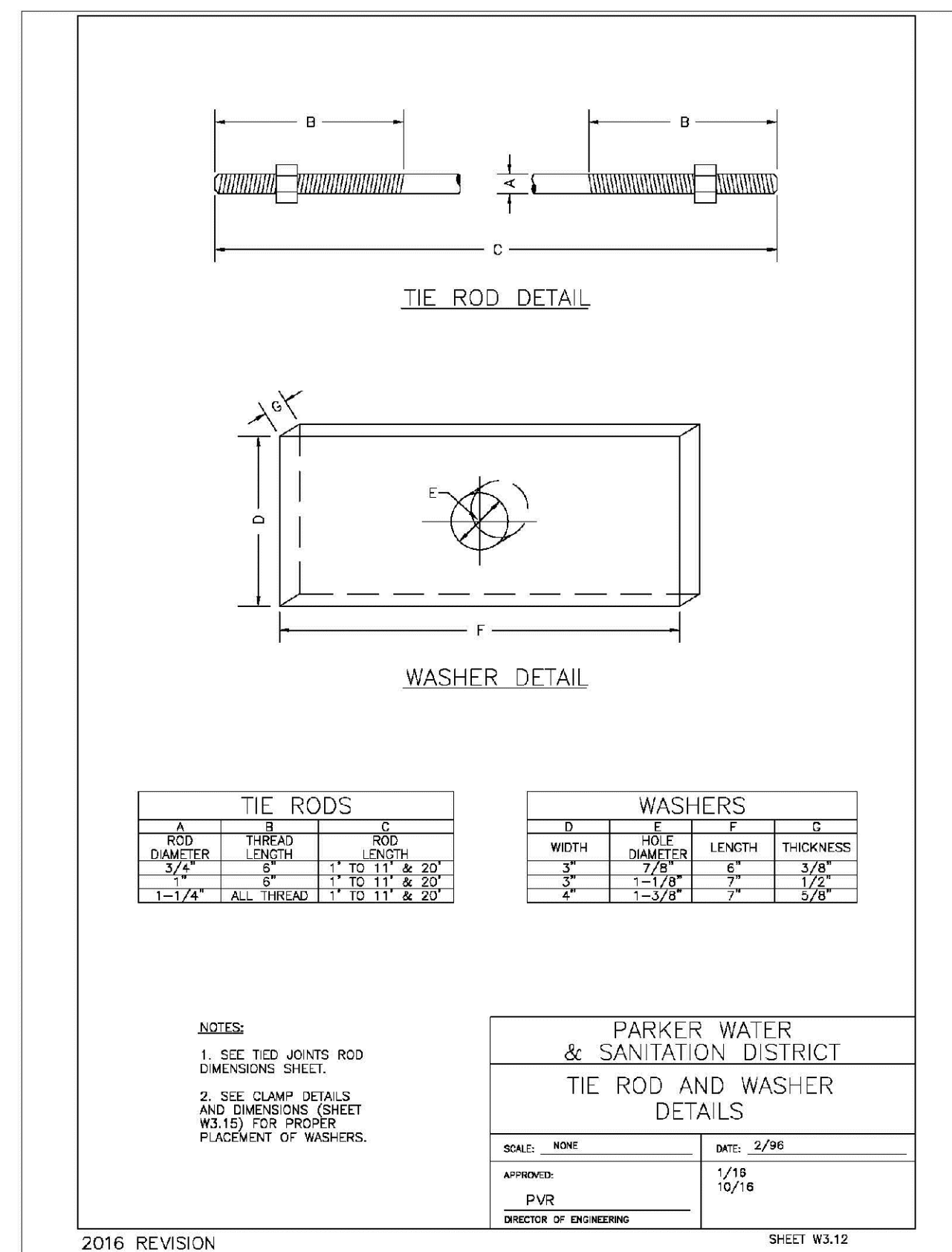
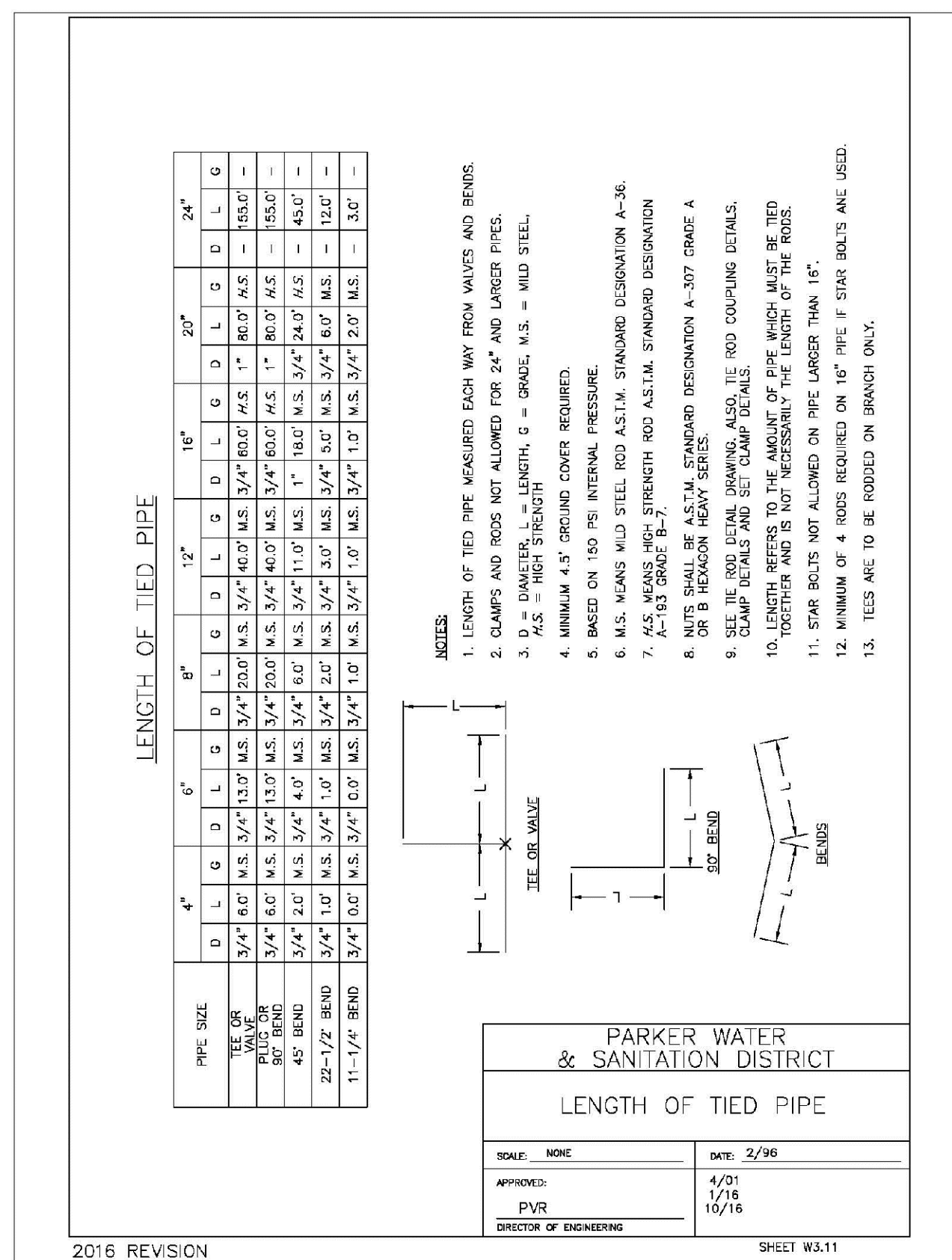
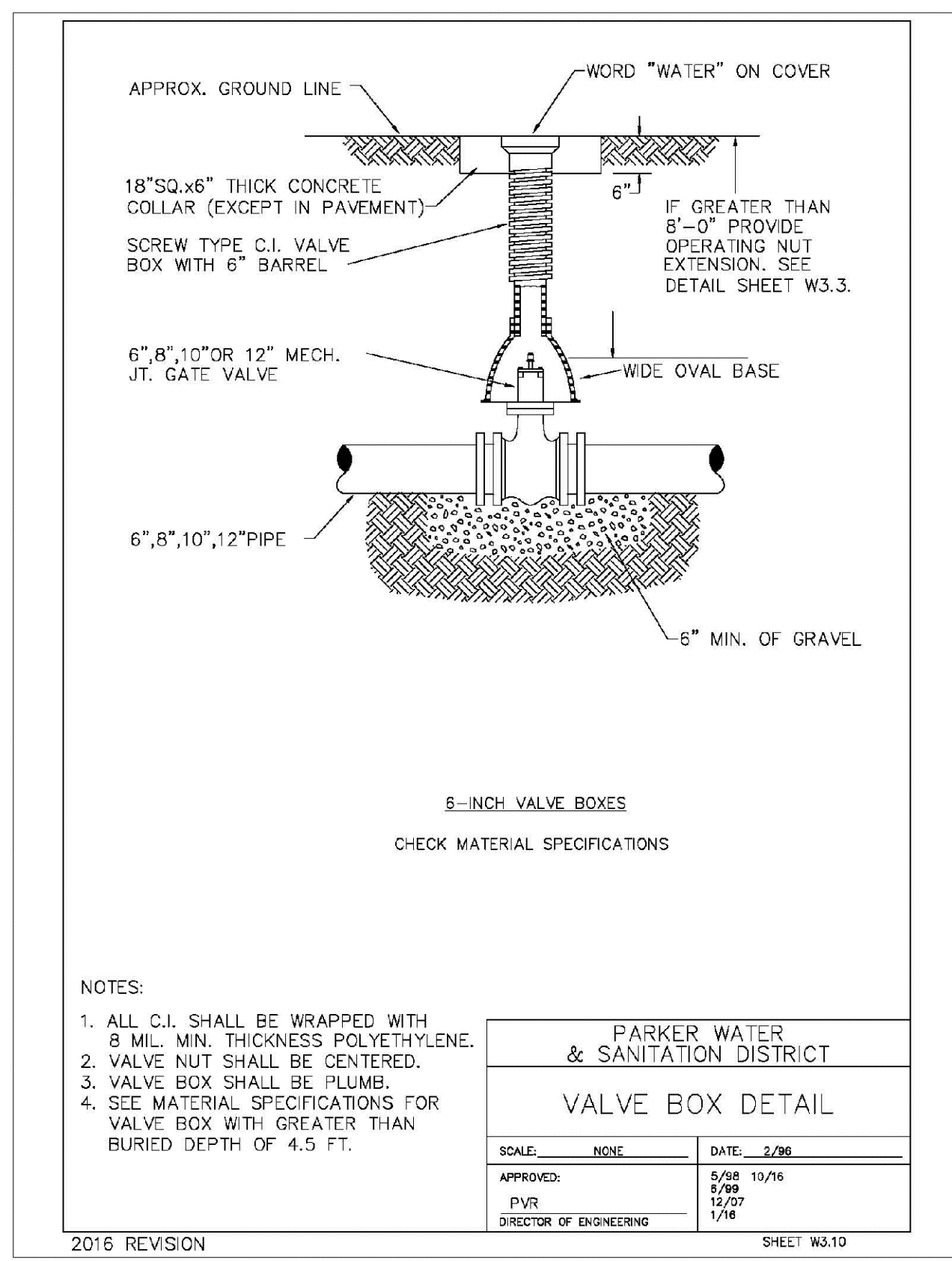
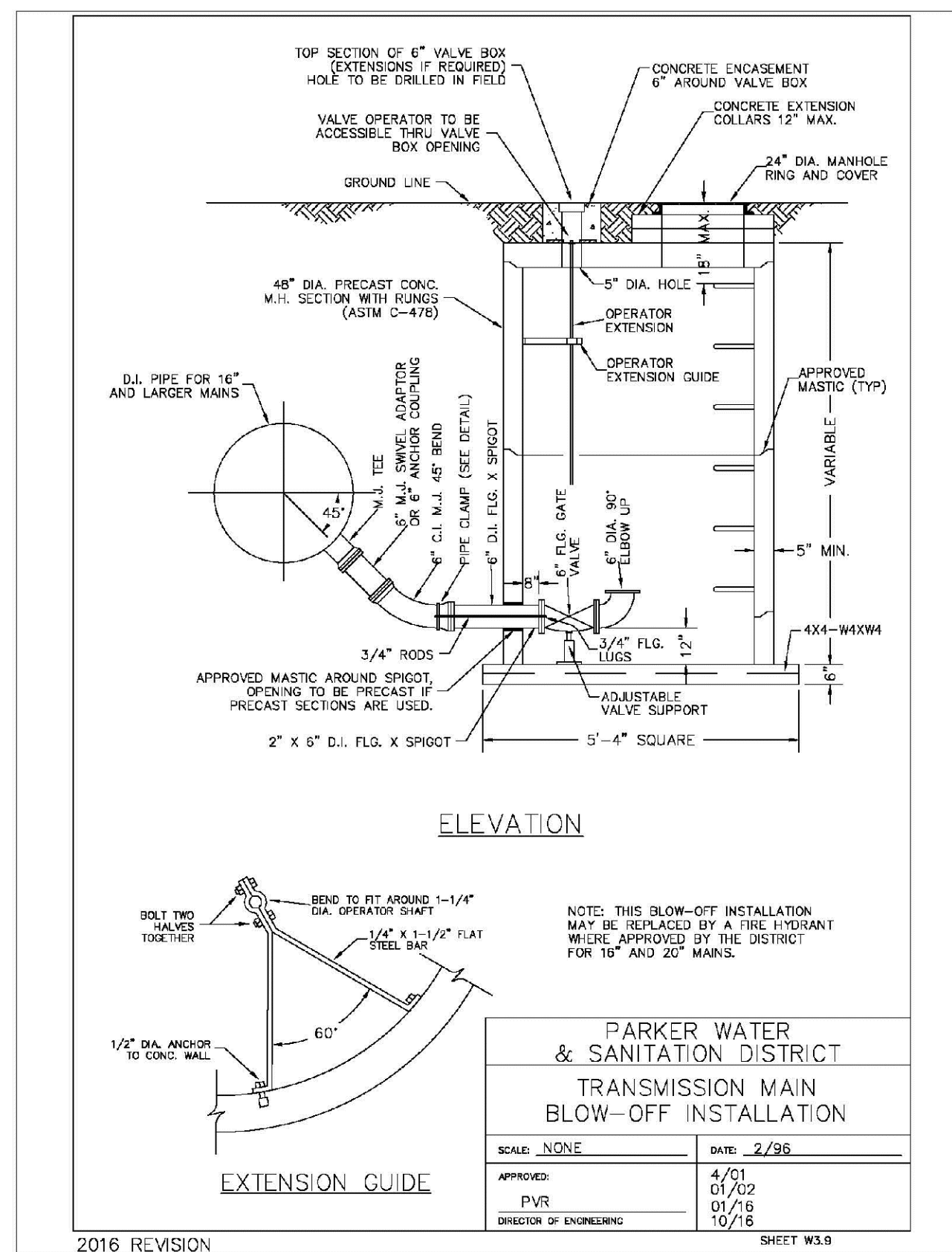


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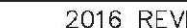
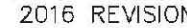
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