

STERLING RANCH EAST FILING NO. 3

COUNTY OF EL PASO, STATE OF COLORADO

UTILITY CONSTRUCTION PLANS

JULY 2024

(SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST)

NOTES:

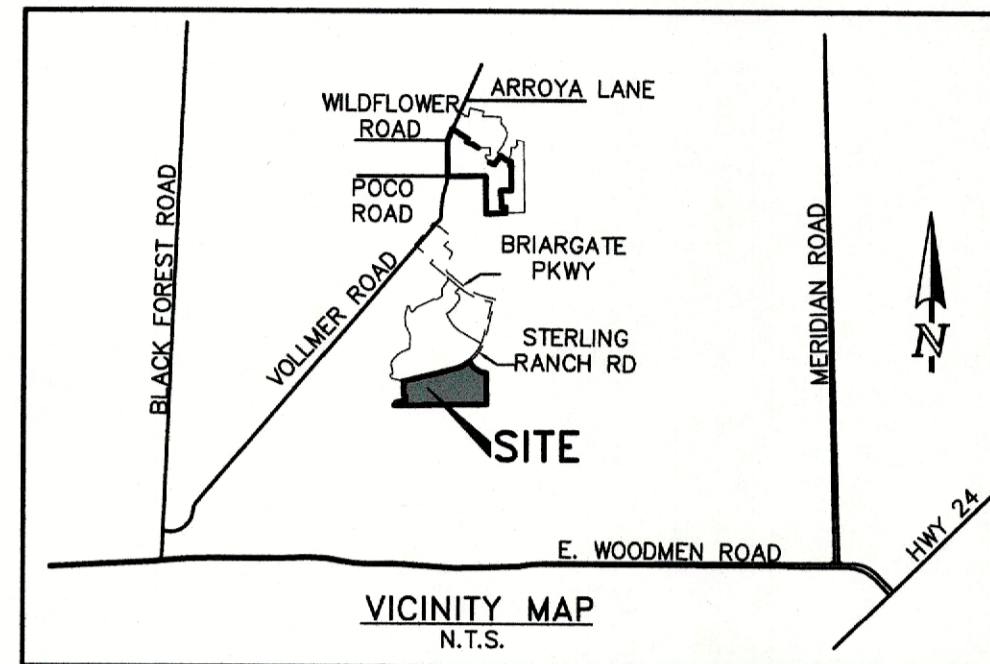
- ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT FALCON AREA WATER AND WASTEWATER AUTHORITY (FAWWA) THE AUTHORITY SPECIFICATIONS.
- ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE AUTHORITY AND THE AUTHORITY'S ENGINEER. ANY REVISION TO THE PLANS SHALL BE SO NOTED WITH THE OLD DRAWING MARKED NOT VALID.
- ALL STATIONING IS CENTER LINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTER LINE UNLESS OTHERWISE NOTED.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE AUTHORITY. THE AUTHORITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- ALL OVER-LOT GRADING MUST BE COMPLETED TO WITHIN ONE (1) FOOT OF FINAL GRADE PRIOR TO INSTALLATION OF WATER AND WASTEWATER INFRASTRUCTURE.
- ALL WATER AND SEWER SERVICE LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB HEAD OR THE FACE OF THE CURB, WITH AN "S" FOR SEWER AND A "W" FOR WATER.
- DUCTILE IRON AND CARBON STEEL PIPES, INCLUDING FITTINGS, VALVES AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATINGS.
- ALL DUCTILE IRON AND CARBON STEEL PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB. MAGNESIUM ANODES EVERY 400 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING. ALL DUCTILE IRON AND CARBON STEEL PIPE 12 INCHES AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB. MAGNESIUM ANODES EVERY 300 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING.
- ALL PIPE MATERIAL, BACKFILL AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
- COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE AUTHORITY OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE AUTHORITY FOR REVIEW AND APPROVAL.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE AUTHORITY SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE AUTHORITY AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
- ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
- BENDS, DEFLECTION & CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF SEWER AND WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT 25' INTERVALS ALONG CURVES TO SURE LOCATION OF PIPE LINE CONSTRUCTION.
- AT ALL LOCATIONS WHERE CAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL WATER LINE PLUGS.
- ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE AUTHORITY AS REQUESTED.
- AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE AUTHORITY AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
- PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE AUTHORITY AND THE AUTHORITY ENGINEER PRIOR TO EXECUTION.
- THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
- ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINES) SHALL HAVE LIABILITY INSURANCE NAMING THE AUTHORITY AS AN ADDITIONAL INSURED AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE AUTHORITY NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE AUTHORITY'S OFFICE.
- THE CONTRACTOR SHALL NOTIFY THE AUTHORITY AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, AUTHORITY ENGINEER AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICT.
- COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN FAWWA:
 - PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS REQUIRED. A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE AUTHORITY TO SCHEDULE THE PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED PRIOR TO FOUR (4) SIGNED/APPROVED PLAN SETS ARE RECEIVED BY THE AUTHORITY.
 - THE CONTRACTOR IS REQUIRED TO NOTIFY THE AUTHORITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
- TESTING OF FACILITIES:
 - THE CONTRACTOR SHALL NOTIFY THE AUTHORITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
 - ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS
 - TEST 100% OF ALL LINES
 - MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).
 - ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS
 - ALL LINES SHALL BE JET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING
 - ALL MANHOLES SHALL BE VACUUM TESTED WITH AUTHORITY STAFF PRESENT PRIOR TO CCTV INSPECTION.
 - SEWER MAINS TO BE PRESSURE TEST PRIOR TO CCTV INSPECTION
 - ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL BE SUBMITTED TO THE AUTHORITY FOR REVIEW AND APPROVAL.
- PRELIMINARY ACCEPTANCE SHALL BE DEFINED AS THE POINT IN THE TIME THAT AUTHORITY ACCEPTS THE FACILITY FOR USE. ALL SURFACE IMPROVEMENTS AND RESTORATION SHALL BE COMPLETED WITHIN 30 DAYS OF COMMENCEMENT. SHOULD THE CONTRACTOR FAIL TO COMPLETE ALL SURFACE IMPROVEMENTS AND RESTORATION WITHIN 30 DAYS OF COMMENCEMENT OF SERVICE, THE AUTHORITY, AT THEIR DISCRETION, MAY ELECT TO COMPLETE THE IMPROVEMENTS AT THE CONTRACTOR'S COST.
- FINAL ACCEPTANCE BY THE AUTHORITY OF ANY LINE OR SYSTEM SHALL NOT OCCUR UNTIL COMPLETION OF FINAL ASPHALT LAYERS AND/OR FINAL COMPLETION AND/OR RESTORATION OF ALL SURFACE IMPROVEMENTS THE WARRANTY PERIOD FOR ALL FACILITIES PRIOR TO FINAL ACCEPTANCE SHALL BE 24 MONTHS COMMENCING AFTER PRELIMINARY ACCEPTANCE.
- ACCEPTANCE:
 - THE AUTHORITY MAY GIVE PRELIMINARY ACCEPTANCE ONCE ALL OF THE TESTS ON ALL THE LINES HAVE BEEN COMPLETED AND A WALK-THRU HAS OCCURRED.
 - A SECOND ACCEPTANCE MAY OCCUR ONCE FIRST LIFT OF ASPHALT GOES DOWN AND A SECOND WALK-THRU OF THE SYSTEM OCCURS. IF ALL FACILITIES ARE CLEAN AND ACCESSIBLE, A FINAL ACCEPTANCE MAY OCCUR (THE AUTHORITY MAY REQUIRE CLEANING AND RE-VIDEO OF THE SYSTEM, DEPENDING ON THE SEVERITY OF THE CONTAMINATION).
- ALL WATER AND SEWER MAINS, INCLUDING SERVICES LINES, SHALL HAVE "AS-BUILT" DRAWINGS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE AUTHORITY.
- ALL COMMERCIAL/BUSINESS DEVELOPMENTS SHALL HAVE AN EIGHT INCH (MIN.) WATER MAIN LOOPED THROUGH THE PROPOSED PROPERTY WITH GATE VALVES LOCATED WHERE THE MAIN ENTERS THE PROPERTY LINE. AN EIGHT INCH SEWER MAIN SHALL BE INSTALLED FOR SERVICE TO COMMERCIAL/BUSINESS DEVELOPMENTS AND A MANHOLE SHALL BE LOCATED WHERE THE MAIN ENTERS THE PROPERTY. THE END OF THE MAINS SHALL BE MARKED WITH THE APPROPRIATE COLORED CARSONITE MARKER ALONG WITH TRACER WIRES.
- AFTER REVIEW AND APPROVAL OF PLANS FOR THE EXTENSION OF LINES, FACILITIES AND/OR SERVICES, CONSTRUCTION MUST BE COMMENCED WITHIN 18 MONTHS FOR RESIDENTIAL SUBDIVISIONS AND 12 MONTHS FOR ANY COMMERCIAL INSTALLATIONS.

BASIS OF BEARINGS:

CORNER OF SECTION 28, TOWNSHIP 12 EAST 1/16TH SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPLE MERIDIAN LOCATED AT SOUTHEAST CORNER OF VOLLMER ROAD AND POOCO ROAD APPROXIMATELY 50 FEET SOUTH OF THE CENTERLINE OF POOCO ROAD. ELEVATION = 7211.95

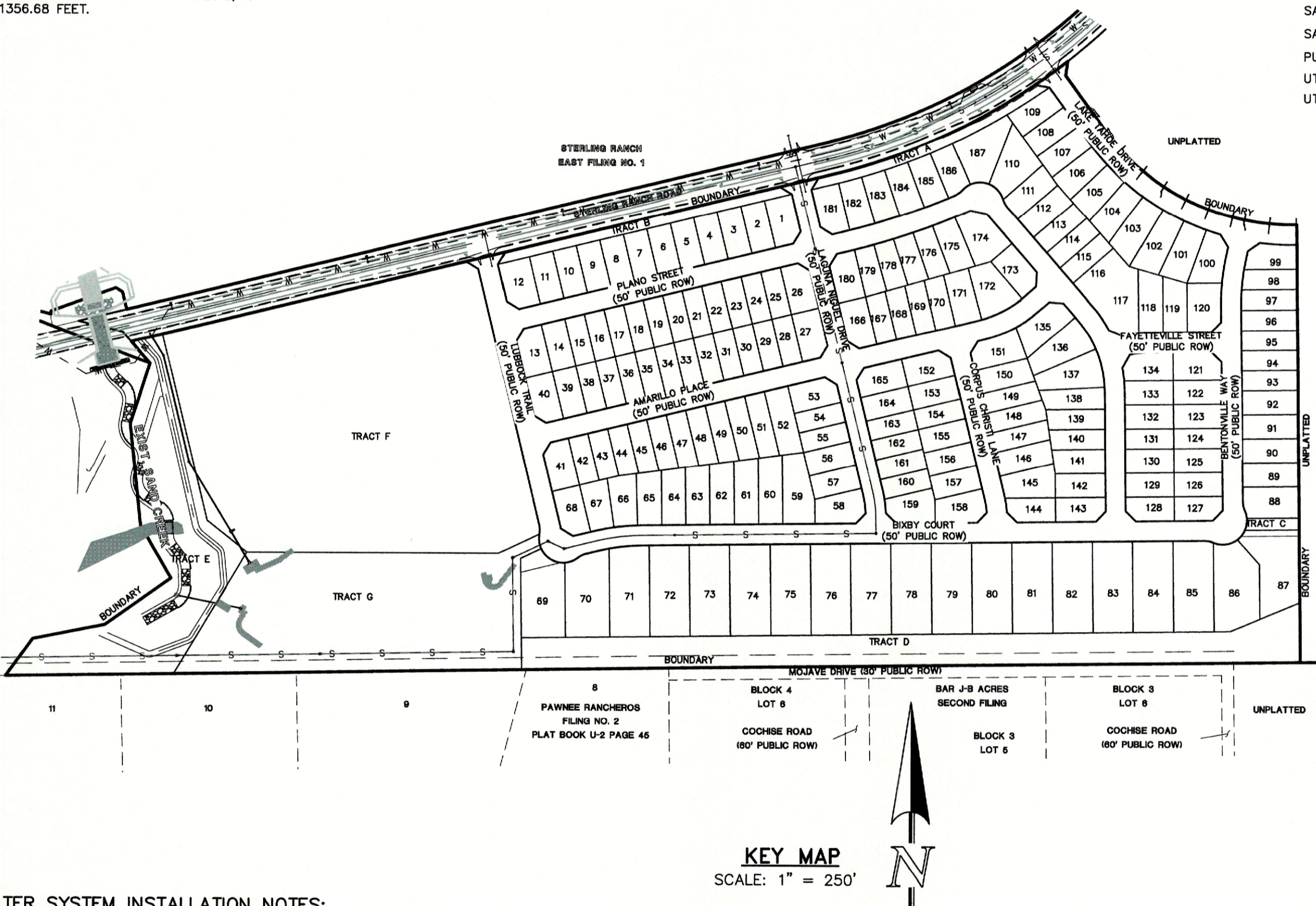
BENCHMARKS:

THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPLE MERIDIAN, BEING MONUMENTED AT THE WEST END WHICH IS THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI PLS 10376, 2006" AND AT THE EAST END, WHICH IS A 30' WITNESS CORNER TO THE EAST OF THE EAST QUARTER CORNER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI 10376, 2006", IS ASSUMED TO BEAR N89°08'28"E, A DISTANCE OF 1356.68 FEET.



NOTE:

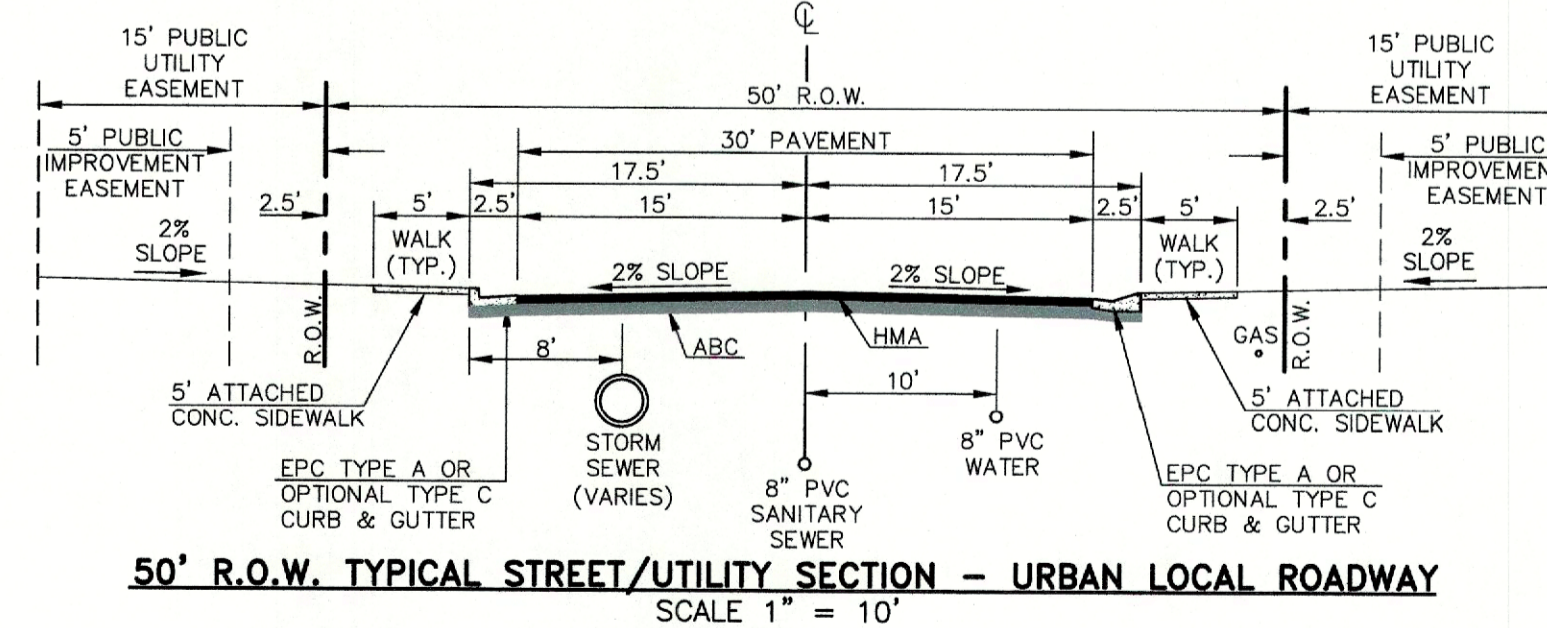
EL PASO COUNTY DOES NOT OWN AND IS NOT RESPONSIBLE FOR THE UNDERDRAINS OR GROUNDWATER DISCHARGE SYSTEMS SHOWN ON THESE PLANS AND ASSUMES NO LIABILITY FOR WATER RIGHTS ADMINISTRATION BY APPROVING THESE PLANS. MAINTENANCE AND WATER RIGHTS ARE THE RESPONSIBILITY OF THE DEVELOPER AND THE FALCON AREA WATER AND WASTEWATER AUTHORITY.



WASTEWATER SYSTEM INSTALLATION NOTES:

- SANITARY SEWER LENGTHS ARE MH CENTER-MH CENTER. ALL SANITARY SEWER PIPES SHALL BE SDR 35 PVC OR EQUAL. SEWER LINES MAY NOT EXCEED 7% GRADE FOR ANY SIZE WITHOUT PRIOR APPROVAL OF THE AUTHORITY. ALL NEWLY CONSTRUCTED RESIDENTIAL SANITARY SEWER TAPS SHALL USE PRE-MANUFACTURED IN-LINE PVC PUSH-ON WYES. TAPPING SADDLES MAY ONLY BE USED FOR TAPPING PRE-EXISTING MAINS.
- ALL SANITARY SEWER MANHOLES SHALL BE WRAPPED WITH RU116 - RUBR-NEK JOINT WRAP OR EQUIVALENT AND COATED.
- COMMENCEMENT OF USE OF SEWER LINES AND/OR SYSTEMS:
 - NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL THE COMPLETION OF ALL JET CLEANING, PRESSURE TESTING, VACUUM TESTING, CCTV INSPECTION, COMPACTION TESTING, AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE AUTHORITY.
 - NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, ANY REQUIRED SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
 - ALL NECESSARY EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE AUTHORITY, AND RECORDED.
 - DOWNSTEAM PLUG CAN BE REMOVED ONCE FIRST LIFT OF ASPHALT IS DOWN AND THE ABOVE REQUIREMENTS ARE MET.

THE ABOVE GUIDELINES ARE SUBJECT TO CHANGE AT ANY TIME.



| NO. | REVISION | DATE |
|--|--|------|
| 811 | UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW | |
| THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. | | |

REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO, P.E. #37155

1/30/2025

DATE

AGENCIES:

- DEVELOPER: CLASSIC SRJ LAND, LLC
2138 FLYING HORSE CLUB DR.
COLORADO SPRINGS, CO 80921
MR. LOREN J. MORELAND (719) 592-9333
- CIVIL ENGINEER: CLASSIC CONSULTING ENGINEERS & SURVEYORS
619 N. CASCADE AVENUE, SUITE 200
COLORADO SPRINGS, CO 80903
MR. MARC A. WHORTON, P.E. (719) 785-2802
- COUNTY ENGINEERING: EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910
MS. CHARLENE DURHAM, (719) 520-7951
- WATER & SANITATION DISTRICT: FALCON AREA WATER AND WASTEWATER AUTHORITY
- FIRE DISTRICT: BLACK FOREST FIRE PROTECTION DISTRICT
11445 TEACHOUT ROAD
COLORADO SPRINGS, CO 80908
CHIEF BRYAN JACK, (719) 495-4300
- GAS COMPANY: BLACK HILLS ENERGY
37 WIDEFIELD BOULEVARD
WIDEFIELD, COLORADO 80911
MR. GEORGE M. PETERSON, (719) 392-3491
- ELECTRIC COMPANY: MOUNTAIN VIEW ELECTRIC
P.O. BOX 1600
LIMON, COLORADO 80828
MR. LES ULFERS, (719) 495-2283
- TELEPHONE COMPANY: CENTURY LINK COMMUNICATIONS (LOCATORS) (800)-922-1987
A.T.&T. (LOCATORS) (719) 635-3674

- TITLE SHEET
- SANITARY SEWER PLAN - LUBBOCK TRAIL/PLANO STREET SHEET 2 OF 16
- SANITARY SEWER PLAN - PLANO STREET SHEET 3 OF 16
- SANITARY SEWER PLAN - AMARILLO PLACE SHEET 4 OF 16
- SANITARY SEWER PLAN - BIBBY COURT/BENTONVILLE WAY SHEET 5 OF 16
- SANITARY SEWER PLAN - BENTONVILLE WAY/ LAKE TAHOE DRIVE SHEET 6 OF 16
- SANITARY SEWER PLAN - CORPUS CHRISTI LANE/FAYETTEVILLE STREET SHEET 7 OF 16
- PUBLIC 8" PVC WATER SYSTEM PLAN SHEETS 8-12 OF 16
- UTILITY SERVICE PLAN AND DETAILS SHEETS 12 OF 16
- UTILITY SERVICE PLAN SHEETS 13-16 OF 16

APPROVALS:

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMANCE WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS, OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

MARC A. WHORTON, COLORADO, P.E. #37155
FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

1/30/2025
DATE

OWNER/DEVELOPER STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

LOREN J. MORELAND, V.P.
CLASSIC SRJ LAND, LLC
2138 FLYING HORSE CLUB DR.
COLORADO SPRINGS, CO 80921

1/29/2025
DATE

BLACK FOREST FIRE PROTECTION DISTRICT:

ALL FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO THE BLACK FOREST FIRE PROTECTION DISTRICT SPECIFICATIONS. THE NUMBER OF FIRE HYDRANTS AND HYDRANT LOCATIONS AS SHOWN ON THIS WATER INSTALLATION PLAN ARE CORRECT AND ADEQUATE TO SATISFY THE FIRE PROTECTION REQUIREMENTS AS SPECIFIED BY BLACK FOREST FIRE PROTECTION DISTRICT.

FOR AND ON BEHALF OF BLACK FOREST FIRE PROTECTION DISTRICT

2/17/2025
DATE

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

JOSHUA PALMER, P.E. COUNTY ENGINEER / EOM ADMINISTRATOR

DATE

ENGINEERING APPROVALS

THE FALCON AREA WATER AND WASTEWATER AUTHORITY RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN AND HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

FALCON AREA WATER AND WASTEWATER AUTHORITY WATER AND WASTEWATER DESIGN APPROVAL

DATE: 2/19/25 BY: [Signature]

PROJECT NO.

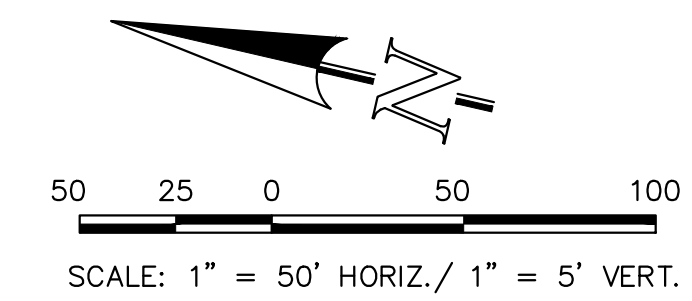
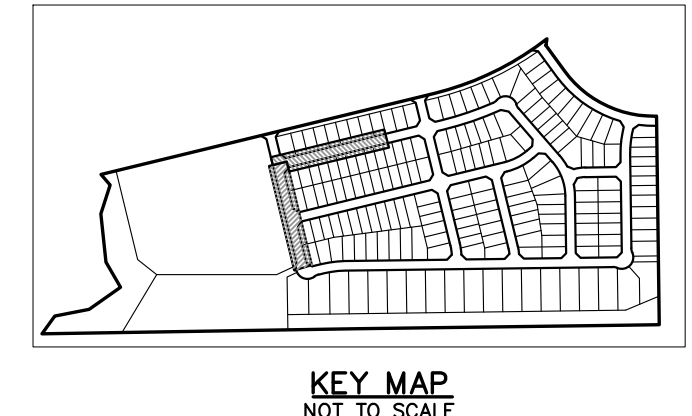
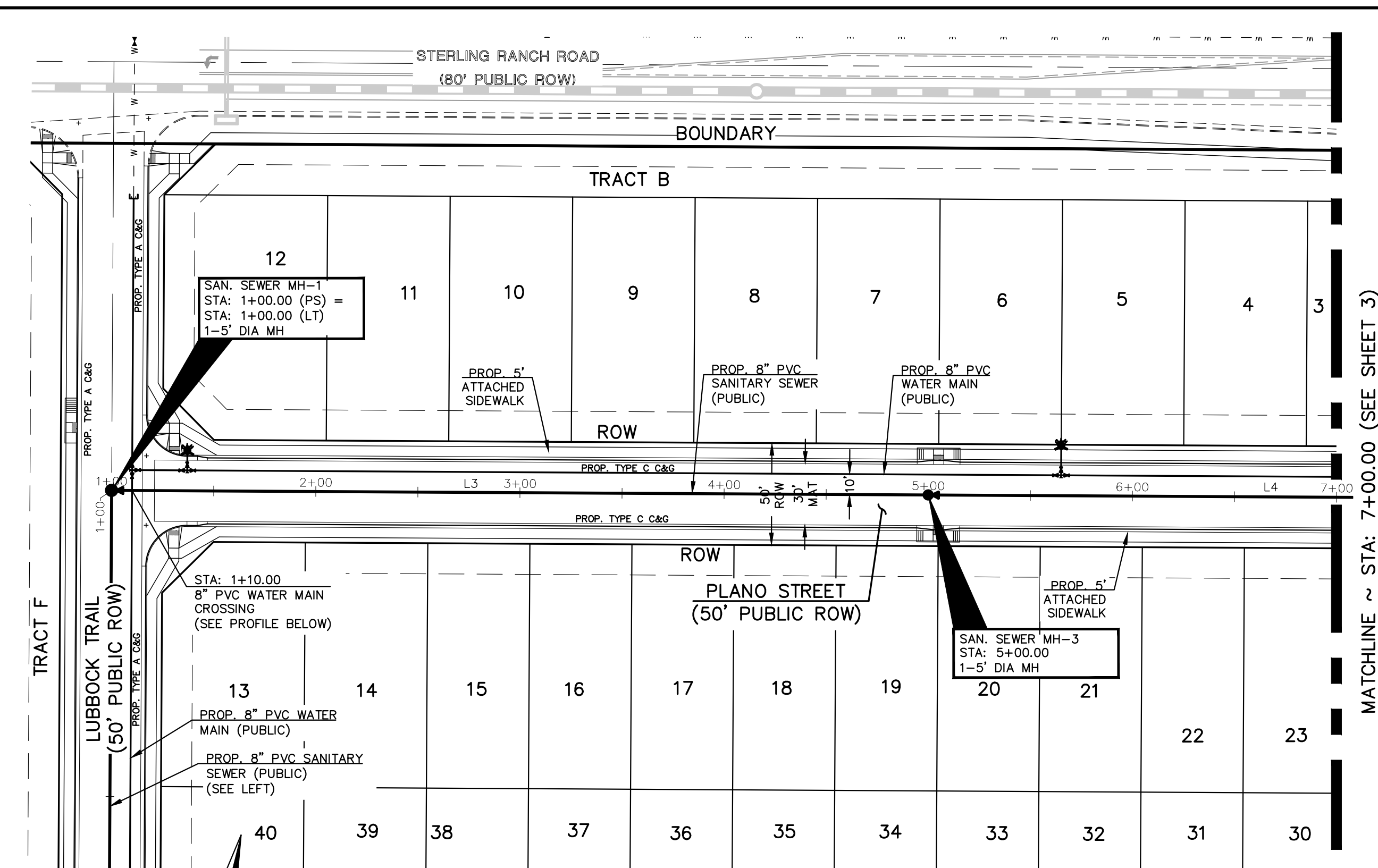
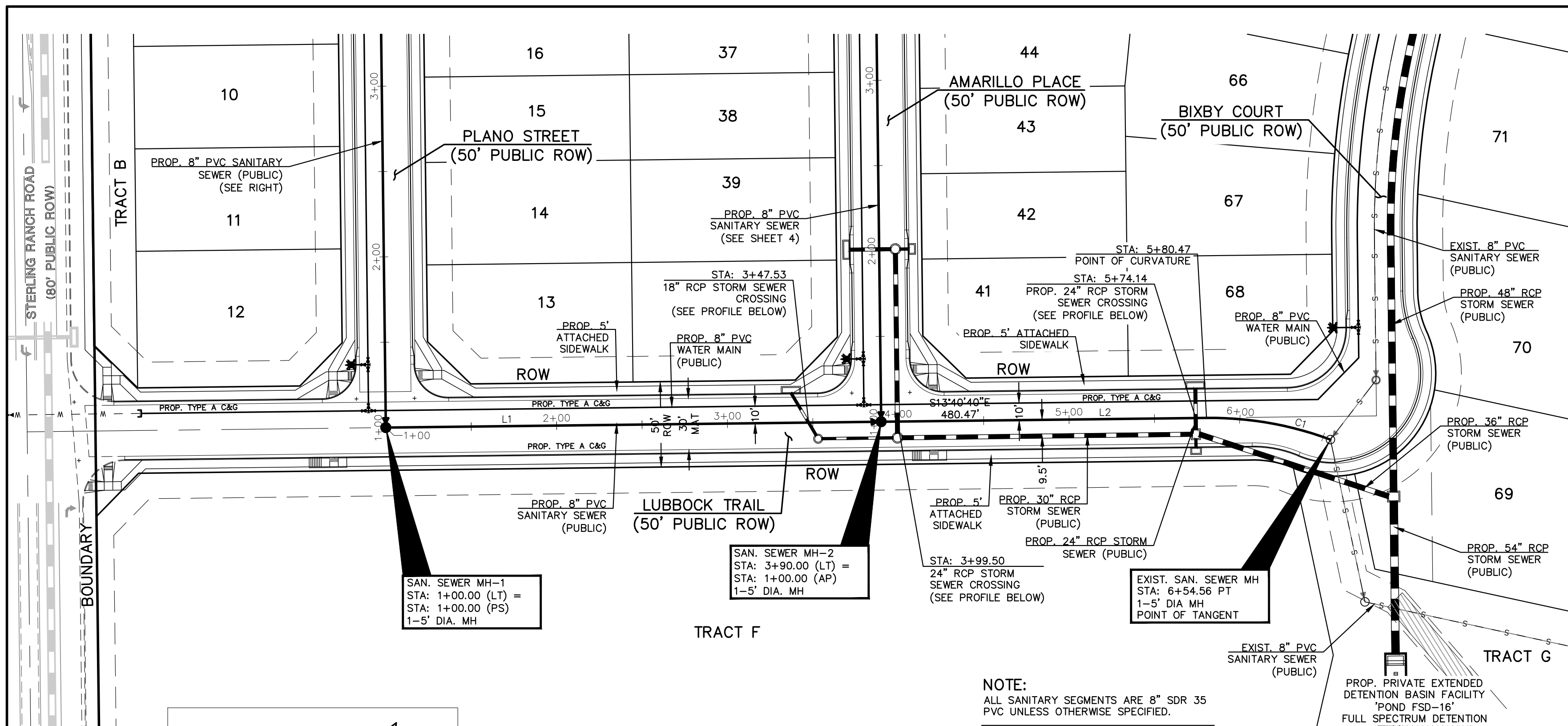
IN CASE OF ERRORS OR OMISSIONS WITH THE WATER AND/OR WASTEWATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "GENERAL NOTES" SHALL RULE.

STERLING RANCH EAST FILING NO. 3
UTILITY CONSTRUCTION PLANS
TITLE SHEET

| | | | | |
|-------------|--------------|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = N/A | SHEET | 1 OF 16 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.33 | |

CLASSIC CONSULTING

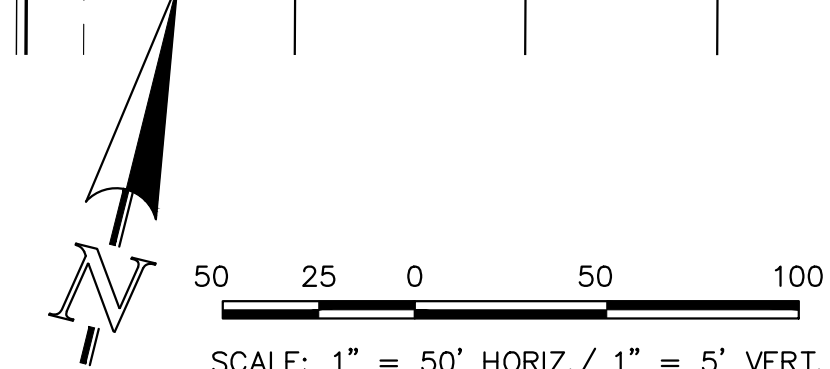
619 N. Cascade Avenue, Suite 200 (719) 785-0790
Colorado Springs, Colorado 80903 (719) 785-0799 (fax)



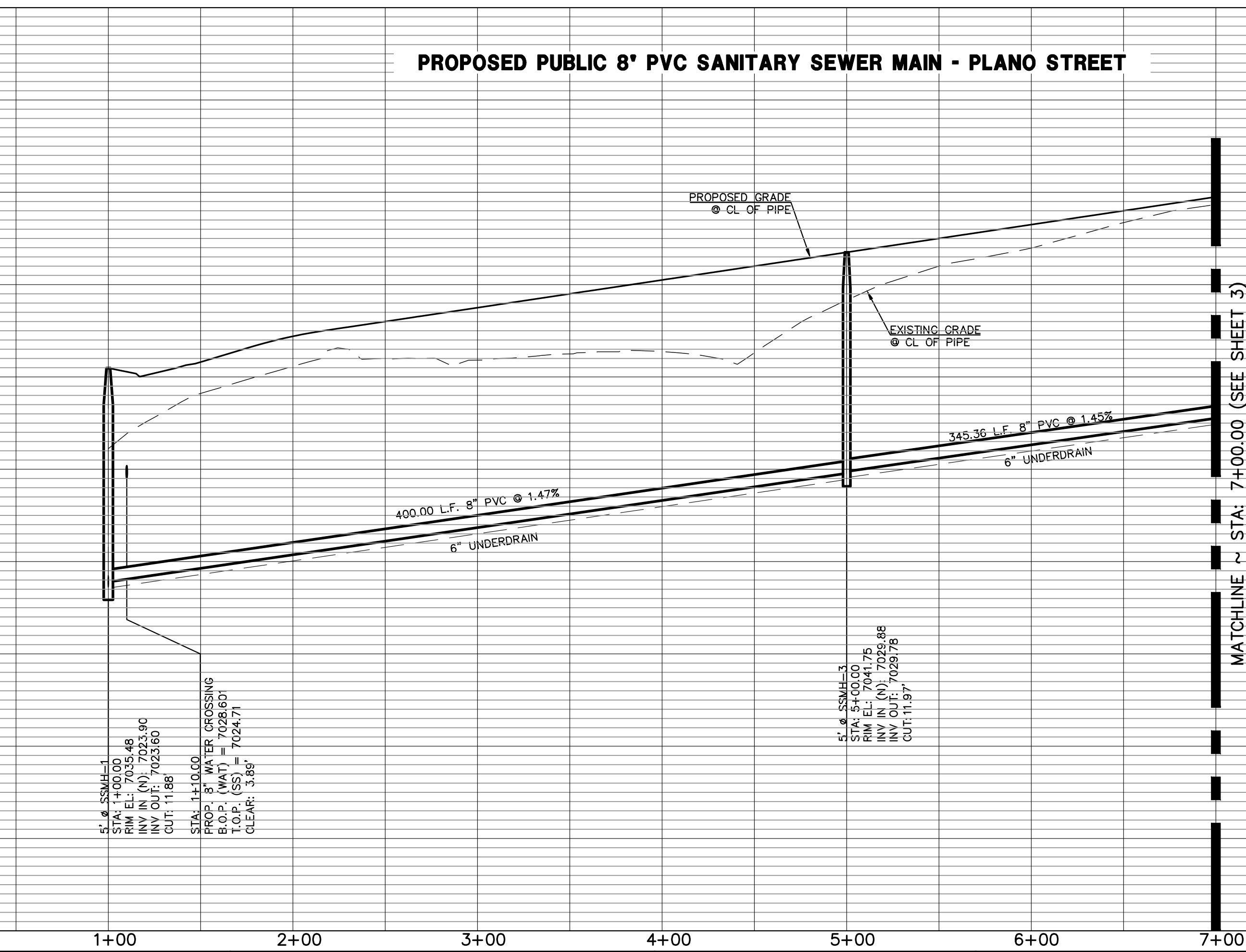
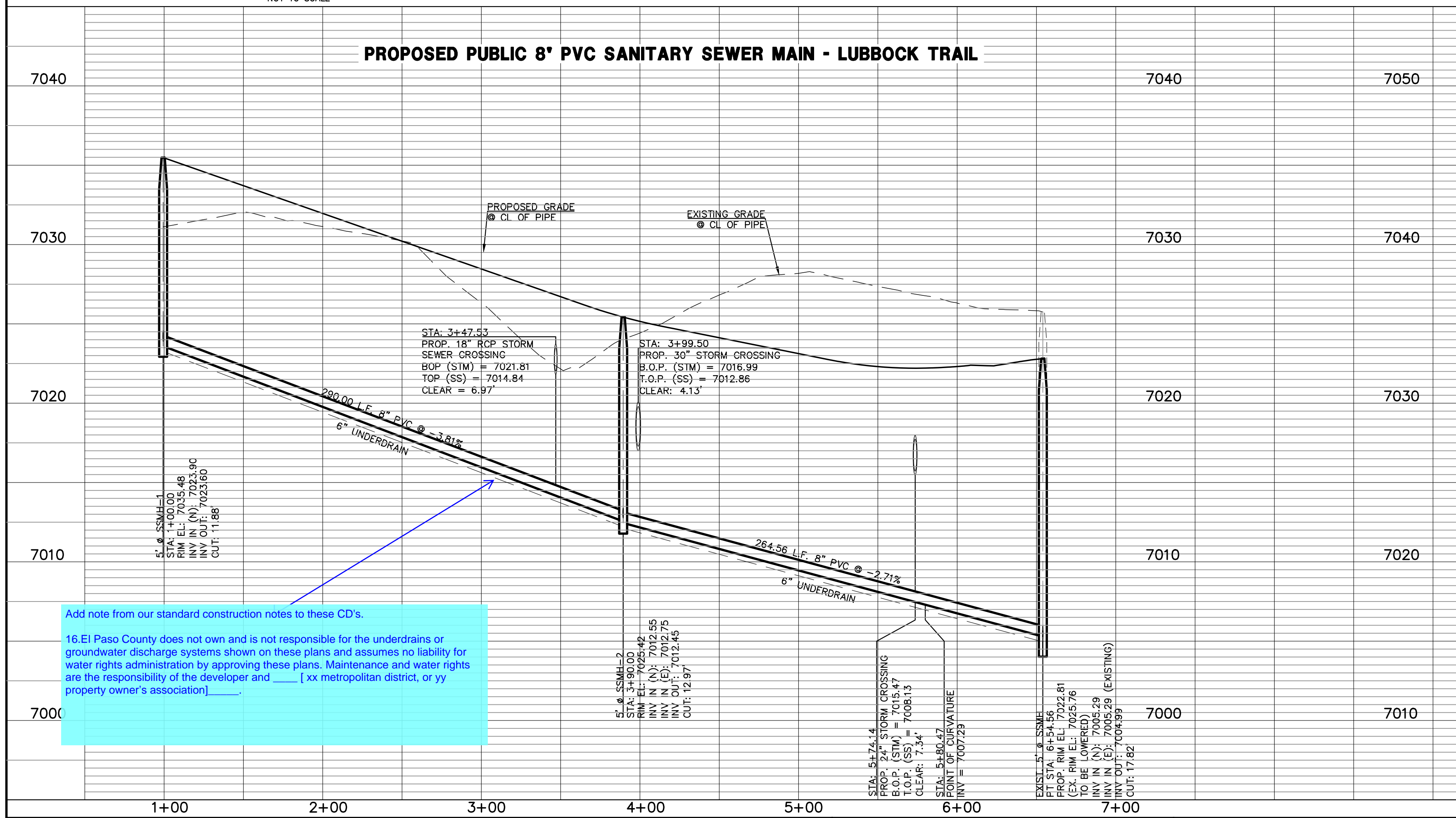
NOTE:
ALL SANITARY SEGMENTS ARE 8" SDR 35 PVC UNLESS OTHERWISE SPECIFIED.

| LINE | LENGTH | BEARING |
|------|--------|-------------|
| L1 | 290.00 | S13°40'40"E |
| L2 | 190.47 | S13°40'40"E |
| L3 | 400.00 | N76°19'20"E |
| L4 | 345.36 | N76°19'20"E |

| SANITARY CURVE TABLE | DELTA | LENGTH | RADIUS |
|----------------------|------------|--------|--------|
| C1 | 211°33'32" | 74.09 | 200.00 |



NOTE:
EXISTING UTILITIES AND STORM SEWER SHOWN IN AN APPROXIMATE WAY ONLY. ALL EXISTING UTILITIES AND STORM SEWER TO BE POTHOLED AND VERIFIED BOTH HORIZONTALLY & VERTICALLY PRIOR TO CONSTRUCTION & CONFLICTS REPORTED TO ENGINEER.



Add note from our standard construction notes to these CD's.
16.El Paso County does not own and is not responsible for the underdrains or groundwater discharge systems shown on these plans and assumes no liability for water rights administration by approving these plans. Maintenance and water rights are the responsibility of the developer and [xx metropolitan district, or yy property owner's association].

| LEGEND | |
|--------|------------------------------|
| | PROPOSED FIRE HYDRANT |
| | PROPOSED WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER |
| | PROPOSED STORM INLET |
| | ROW/BOUNDARY LINE |
| | EXISTING FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING SANITARY SEWER MAIN |
| | EXISTING STORM SEWER |
| | EXISTING STORM INLET |
| | EXISTING GAS MAIN |
| | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO PROFESSIONAL ENGINEER #37155

2/20/2025

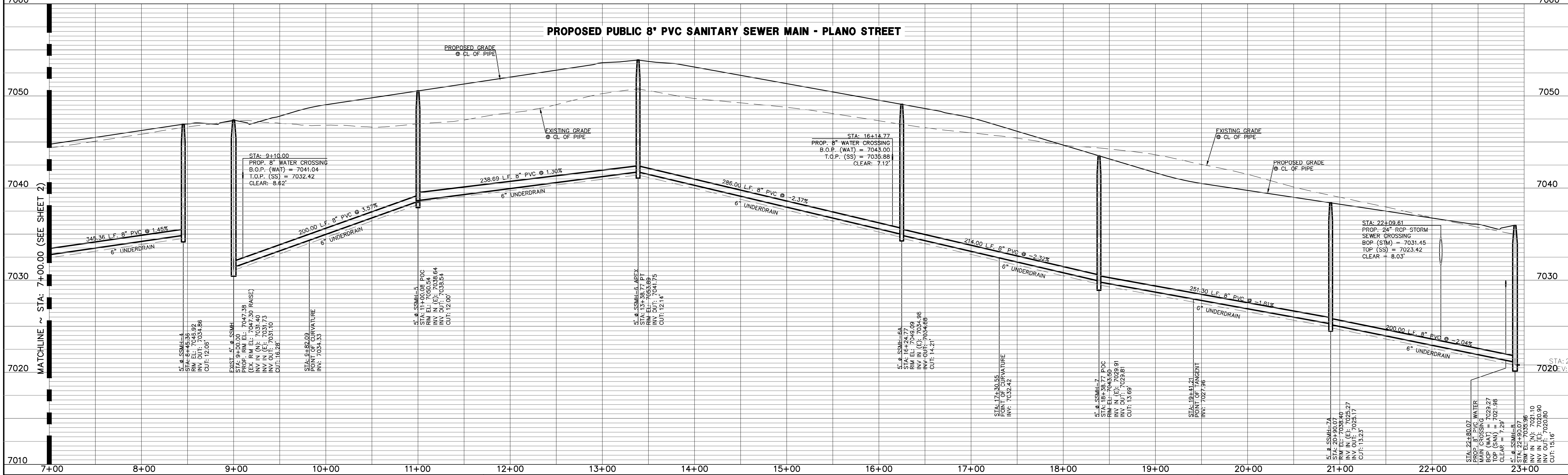
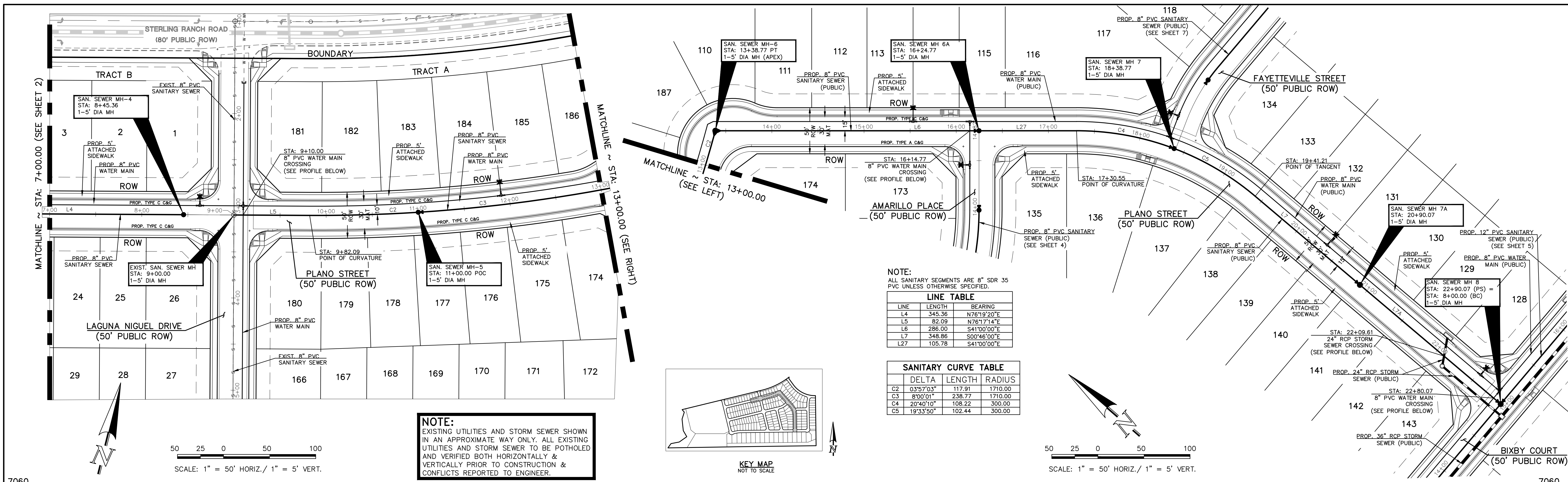
STERLING RANCH EAST
FILING NO. 3

SANITARY SEWER PLAN

DESIGNED BY: ESO
SCALE: (H) 1" = 50'
(V) 1" = 5'

DATE: 3/22/2024
SHEET 2 OF 16
JOB NO. 1183.33

CLASSIC CONSULTING ENGINEERS & SURVEYORS
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG,
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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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| | | |
| | | |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, P.E., P.S., P.L.S.
#37155

2/20/2025

CLASSIC CONSULTING ENGINEERS & SURVEYORS

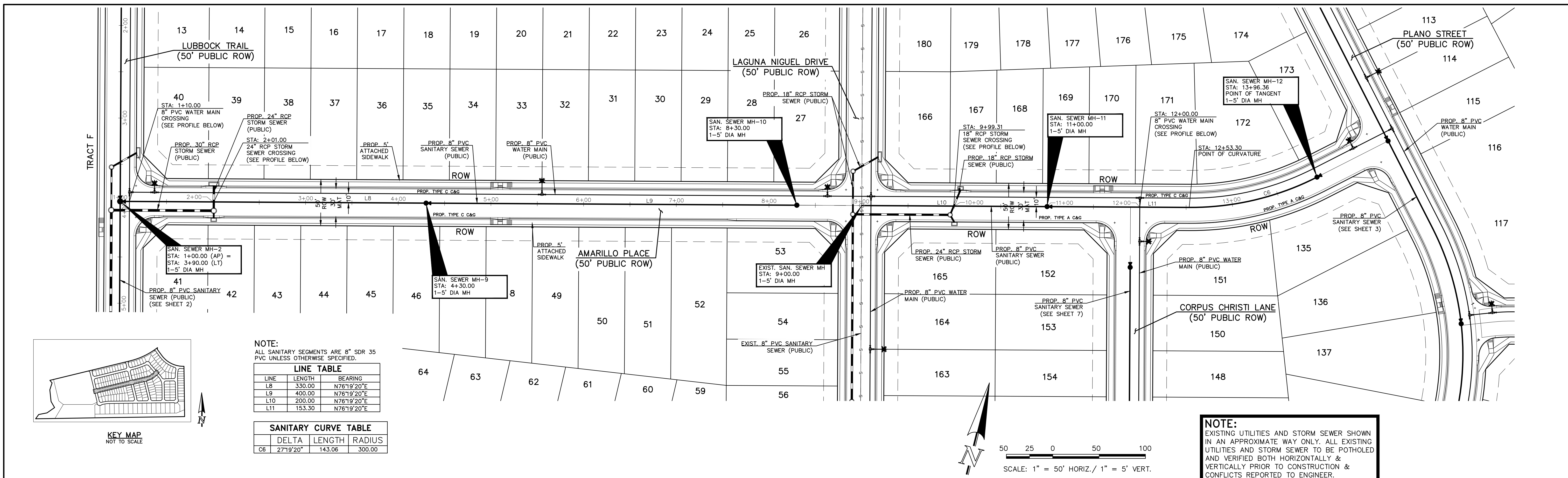
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

STERLING RANCH EAST
FILING NO. 3

SANITARY SEWER PLAN

| | | | | |
|-------------|-------------|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 50' | SHEET | 3 OF 16 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.33 | |

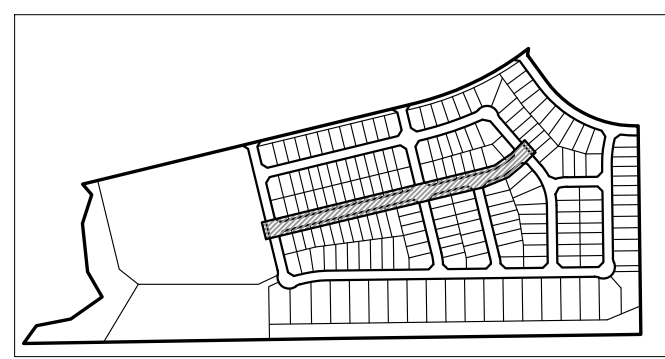
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NOTE:
ALL SANITARY SEGMENTS ARE 8" SDR 35
PVC UNLESS OTHERWISE SPECIFIED.

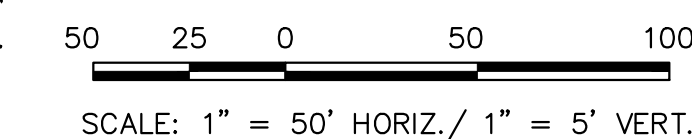
| LINE | LENGTH | BEARING |
|------|--------|-------------|
| L8 | 330.00 | N76°19'20"E |
| L9 | 400.00 | N76°19'20"E |
| L10 | 200.00 | N76°19'20"E |
| L11 | 153.30 | N76°19'20"E |

| SANITARY CURVE TABLE | | |
|----------------------|-----------|--------|
| DELTA | LENGTH | RADIUS |
| C6 | 27°19'20" | 143.06 |
| | | 300.00 |

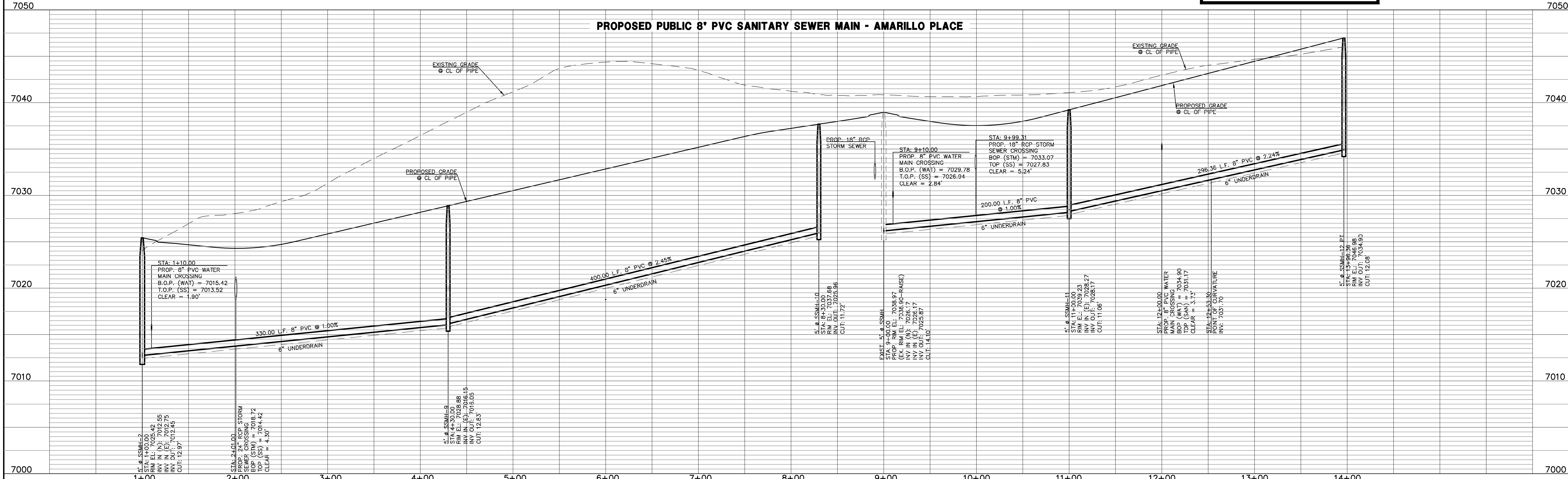


KEY MAP
NOT TO SCALE

NOTE:
EXISTING UTILITIES AND STORM SEWER SHOWN
IN AN APPROXIMATE WAY ONLY. ALL EXISTING
UTILITIES AND STORM SEWER TO BE POTHOLED
AND VERIFIED BOTH HORIZONTALLY &
VERTICALLY PRIOR TO CONSTRUCTION &
CONFLICTS REPORTED TO ENGINEER.



PROPOSED PUBLIC 8" PVC SANITARY SEWER MAIN - AMARILLO PLACE



| LEGEND | |
|--------|------------------------------|
| | PROPOSED FIRE HYDRANT |
| | PROPOSED WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER |
| | PROPOSED STORM INLET |
| | ROW/BOUNDARY LINE |
| | EXISTING FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING SANITARY SEWER MAIN |
| | EXISTING STORM SEWER |
| | EXISTING STORM INLET |
| | EXISTING GAS MAIN |
| | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS & SURVEYORS, LLC

MARC A. WHORTON, REGISTERED PROFESSIONAL ENGINEER
#37155

2/20/2025
DATE

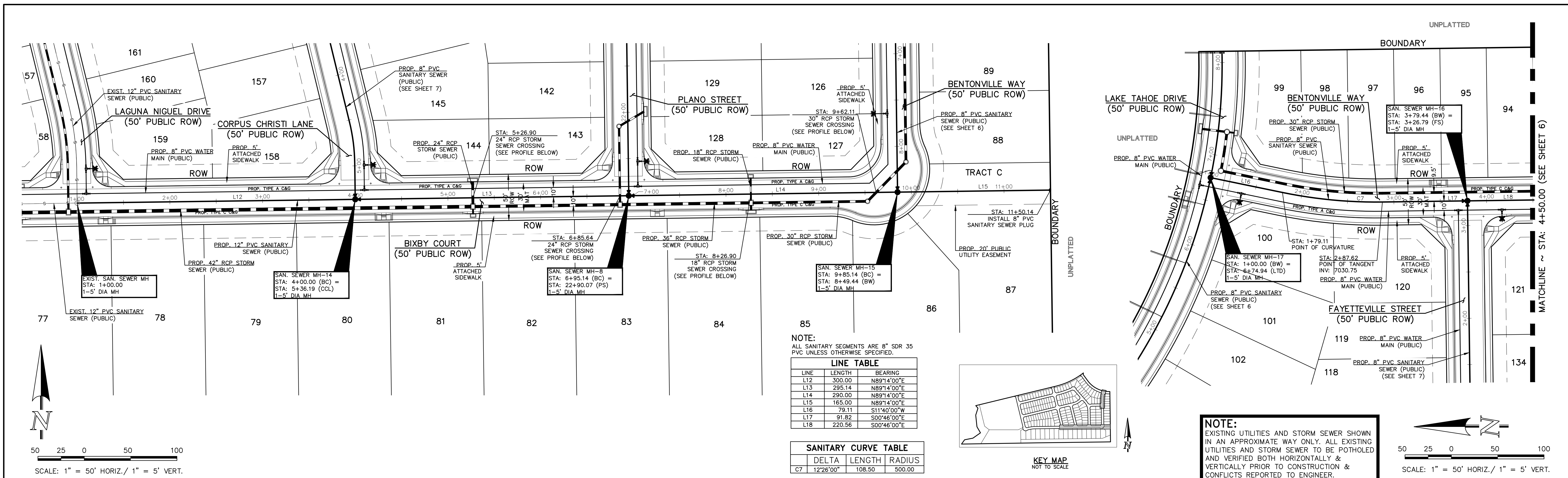
STERLING RANCH EAST
FILING NO. 3

SANITARY SEWER PLAN

DESIGNED BY ESO SCALE DATE 3/22/2023
DRAWN BY ESO (H) 1" = 50' SHEET 4 OF 16
CHECKED BY (V) 1" = 5' JOB NO. 1183.33

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

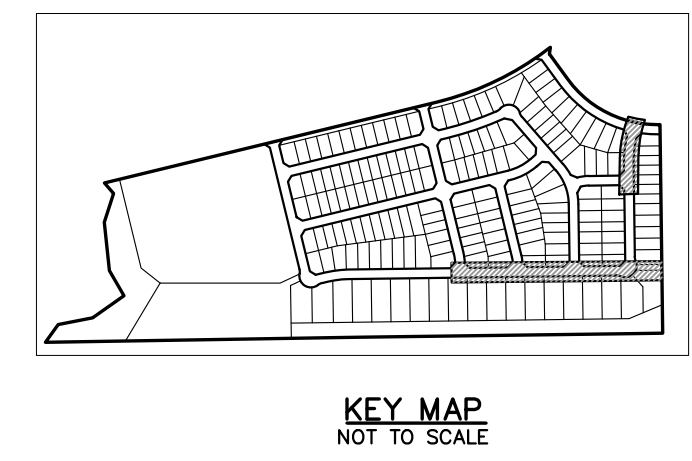
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)



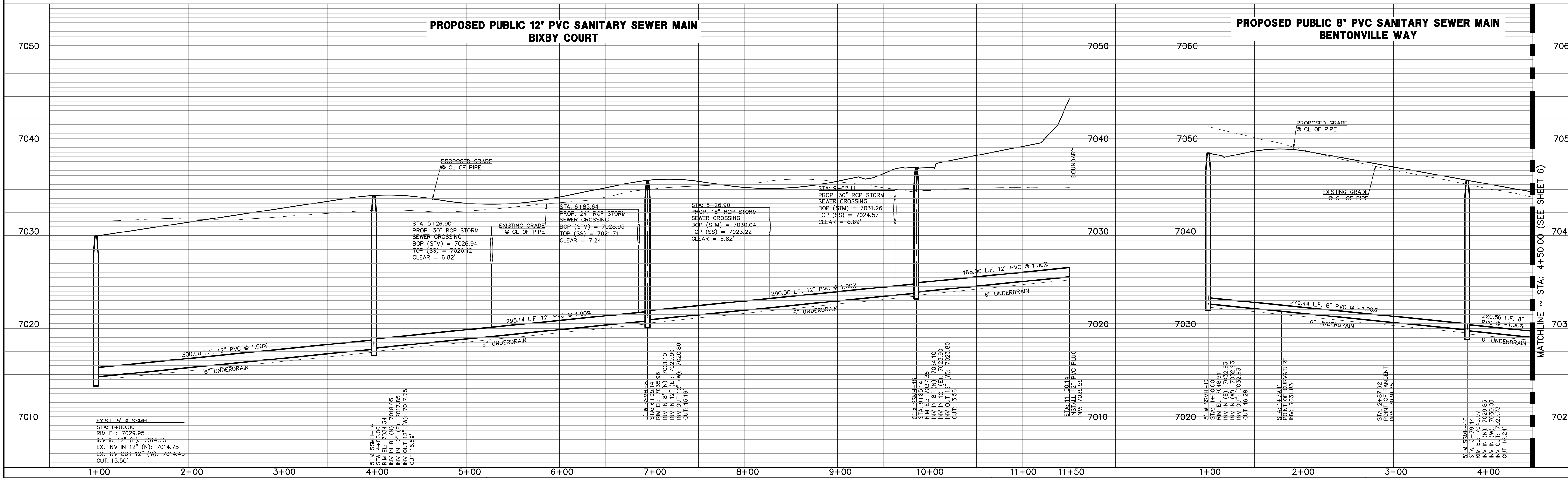
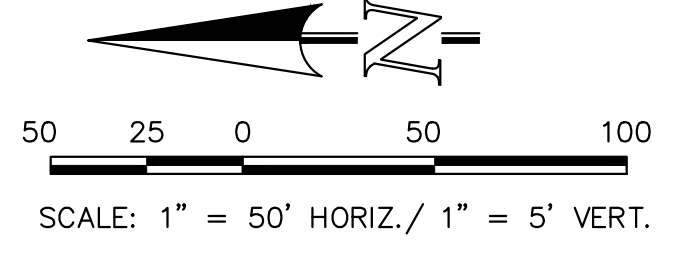
NOTE:
ALL SANITARY SEGMENTS ARE 8" SDR 35 PVC UNLESS OTHERWISE SPECIFIED.

| LINE | LENGTH | BEARING |
|------|--------|-------------|
| L12 | 300.00 | N89°14'00"E |
| L13 | 295.14 | N89°14'00"E |
| L14 | 290.00 | N89°14'00"E |
| L15 | 165.00 | N89°14'00"E |
| L16 | 79.11 | S11°40'00"W |
| L17 | 91.82 | S00°46'00"E |
| L18 | 220.56 | S00°46'00"E |

| LINE | DELTA | LENGTH | RADIUS |
|------|-----------|--------|--------|
| C7 | 12°26'00" | 108.50 | 500.00 |



NOTE:
EXISTING UTILITIES AND STORM SEWER SHOWN IN AN APPROXIMATE WAY ONLY. ALL EXISTING UTILITIES AND STORM SEWER TO BE POTHOLED AND VERIFIED BOTH HORIZONTALLY & VERTICALLY PRIOR TO CONSTRUCTION & CONFLICTS REPORTED TO ENGINEER.



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811
UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |

REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, REGISTERED PROFESSIONAL ENGINEER #37155

DATE: 2/20/2025

CLASSIC CONSULTING ENGINEERS & SURVEYORS

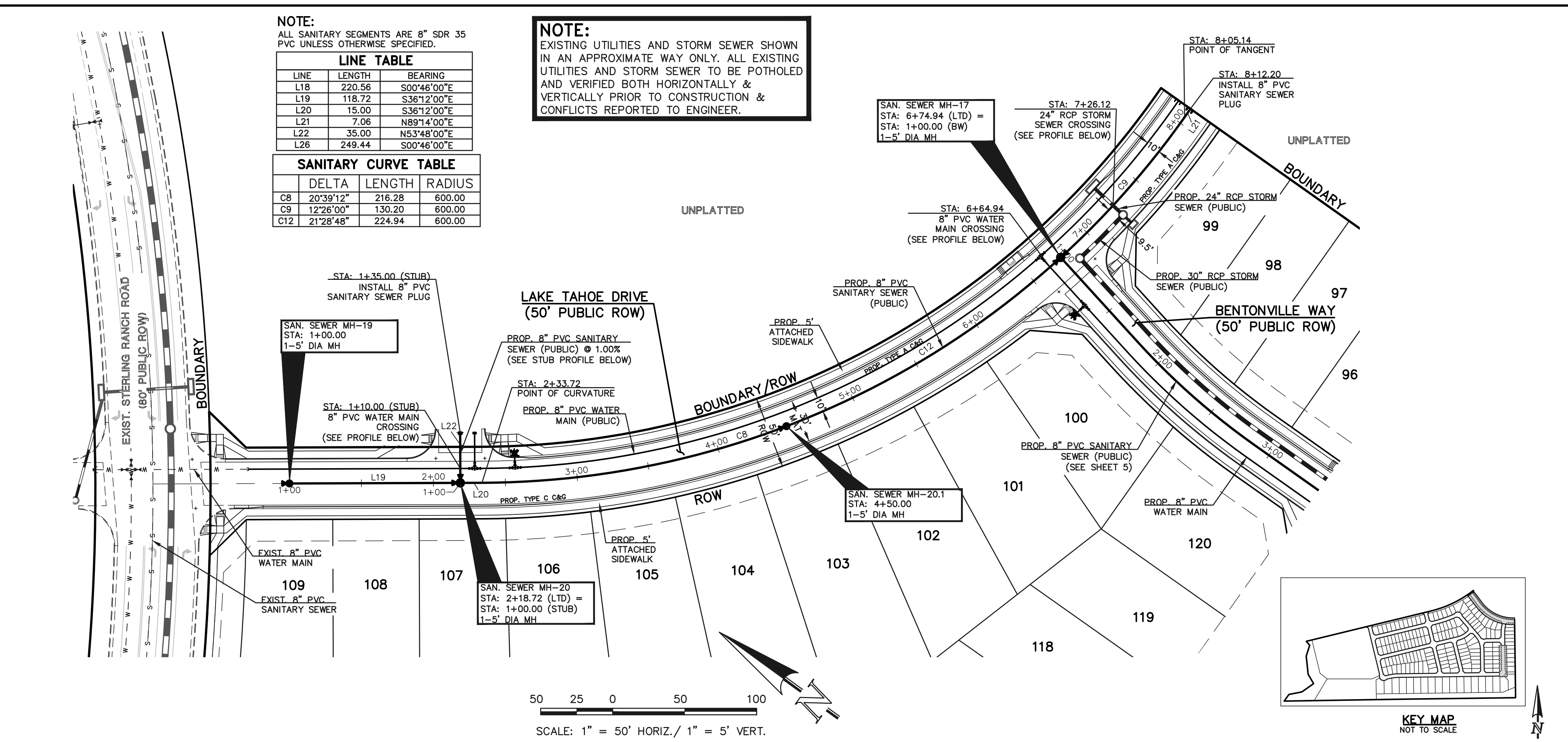
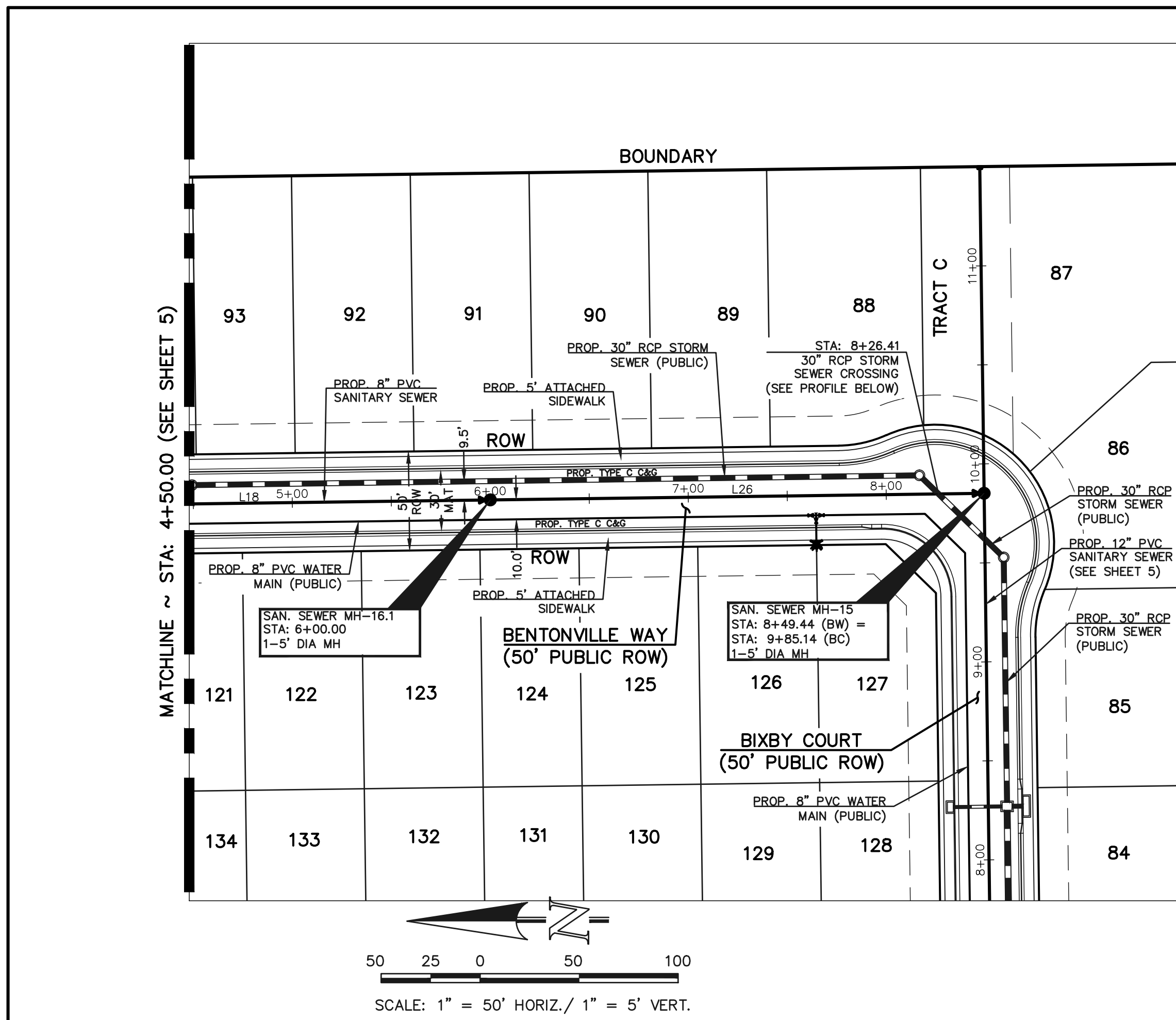
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

STERLING RANCH EAST
FILING NO. 3

SANITARY SEWER PLAN

| | | | | |
|-------------|-------------|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 50' | SHEET | 5 OF 16 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.33 | |

N:\118333\DRAWINGS\CONSTRUCTION UTILITIES\118333-SS-05.dwg, 1/28/2025 3:07:49 PM, 1:1, KS

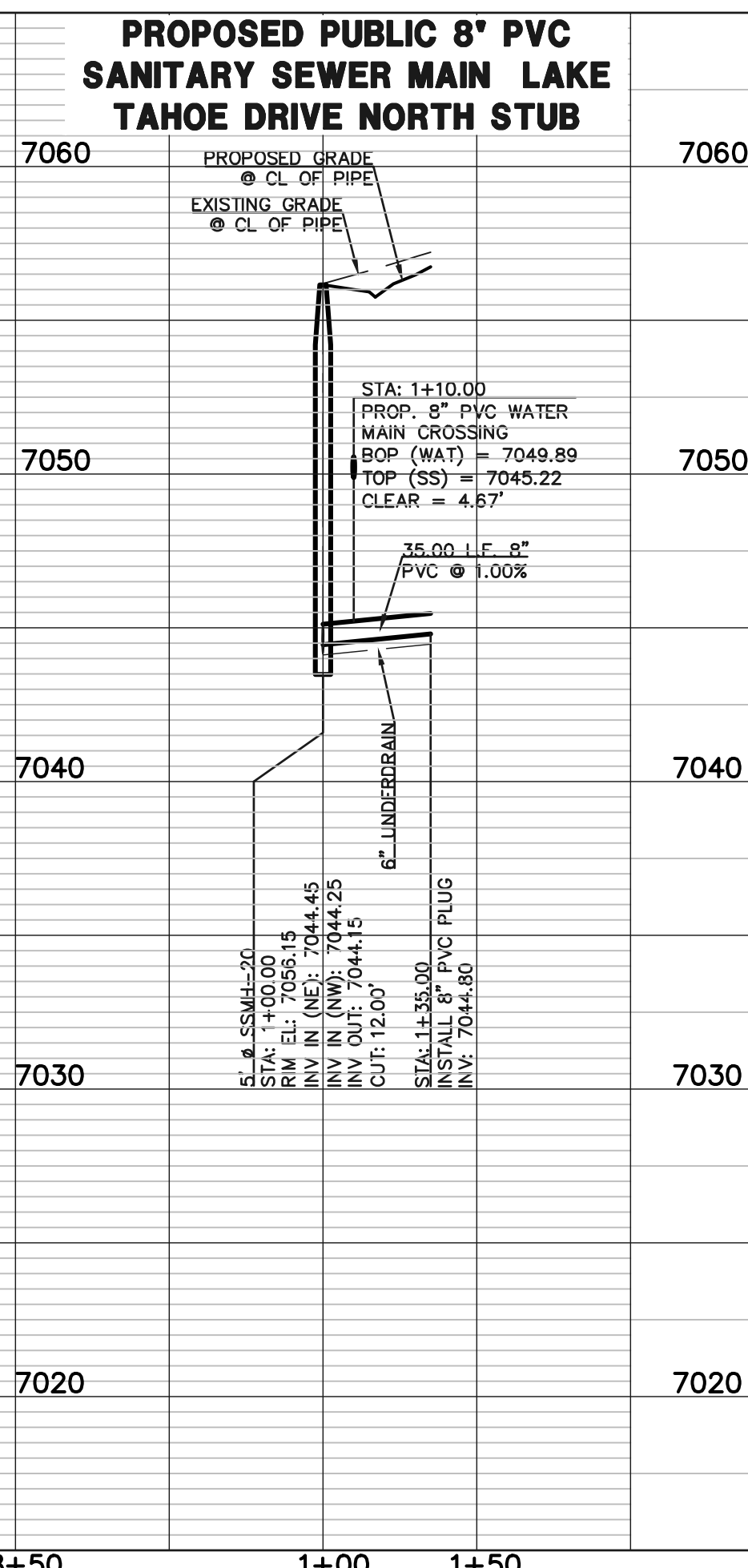
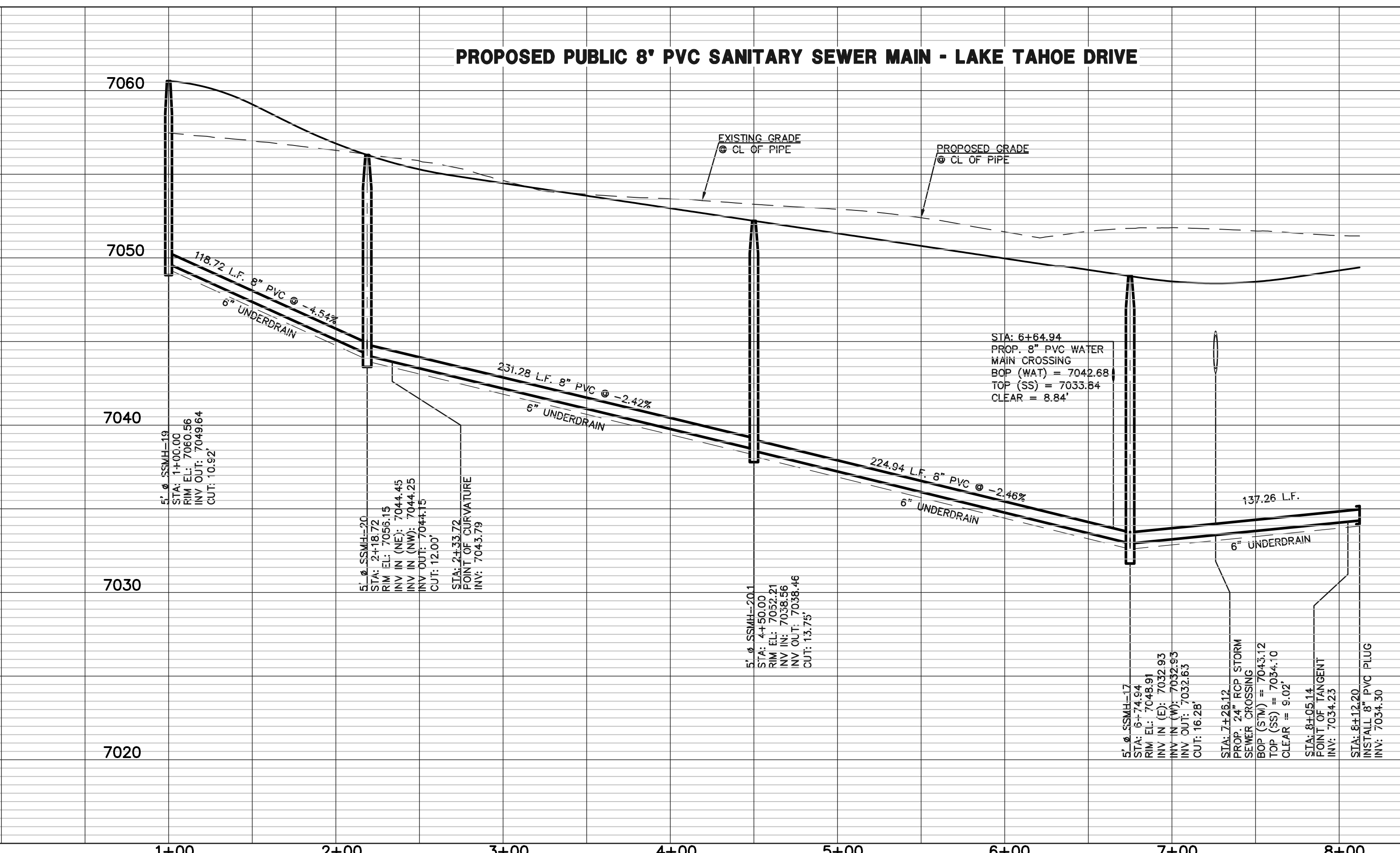
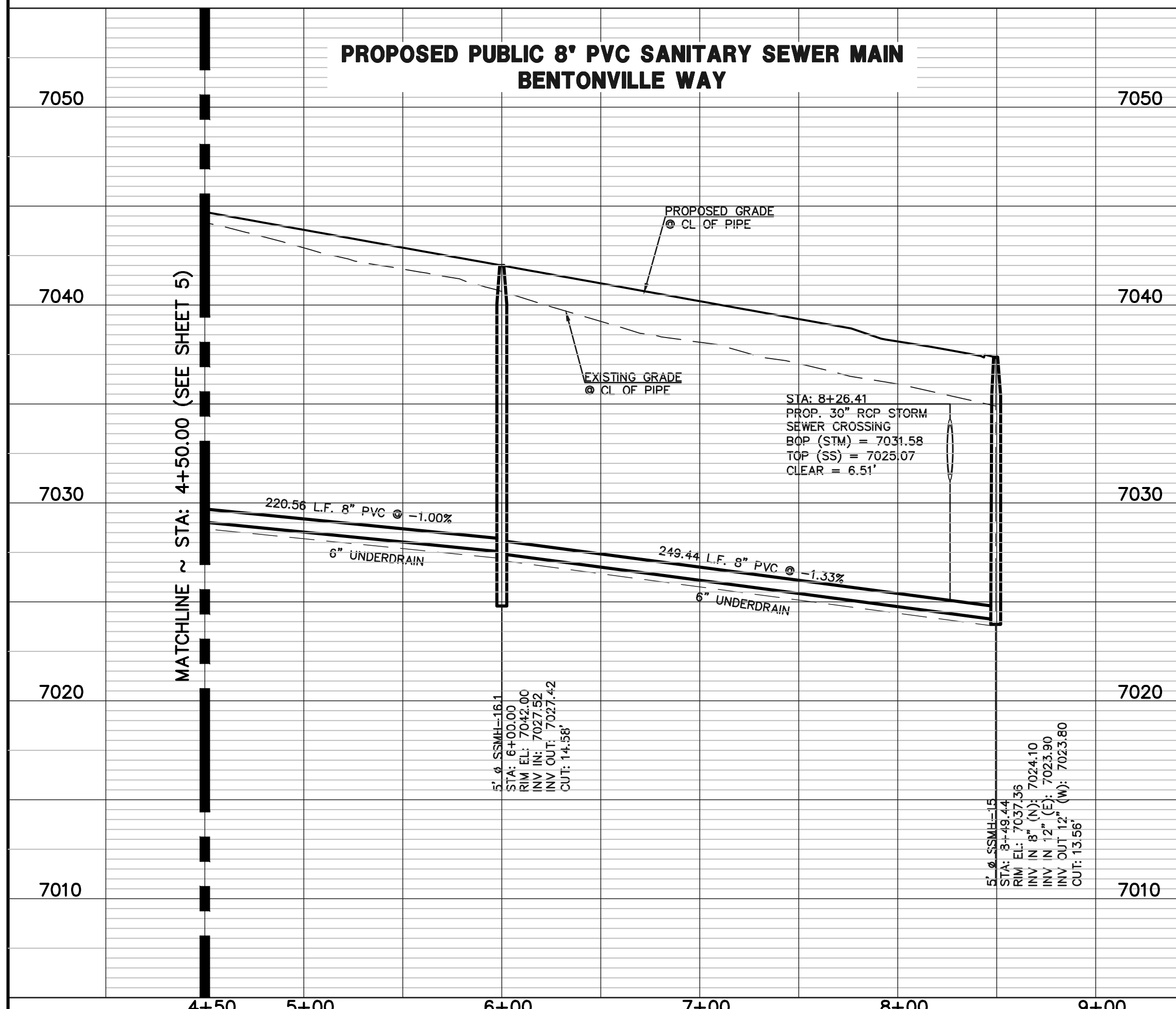


NOTE:
ALL SANITARY SEGMENTS ARE 8" SDR 35 PVC UNLESS OTHERWISE SPECIFIED.

| LINE TABLE | | |
|------------|--------|-------------|
| LINE | LENGTH | BEARING |
| L18 | 220.56 | S00°46'00"E |
| L19 | 118.72 | S36°12'00"E |
| L20 | 15.00 | S36°12'00"E |
| L21 | 7.06 | N89°14'00"E |
| L22 | 35.00 | N53°48'00"E |
| L26 | 249.44 | S00°46'00"E |

| SANITARY CURVE TABLE | | |
|----------------------|-----------|---------------|
| DELTA | LENGTH | RADIUS |
| C8 | 20°39'12" | 216.28 600.00 |
| C9 | 12°28'00" | 130.20 600.00 |
| C12 | 21°28'48" | 224.94 600.00 |

NOTE:
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LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, P.E., P.S., P.L.S., P.C.E. #37155

2/20/2025

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

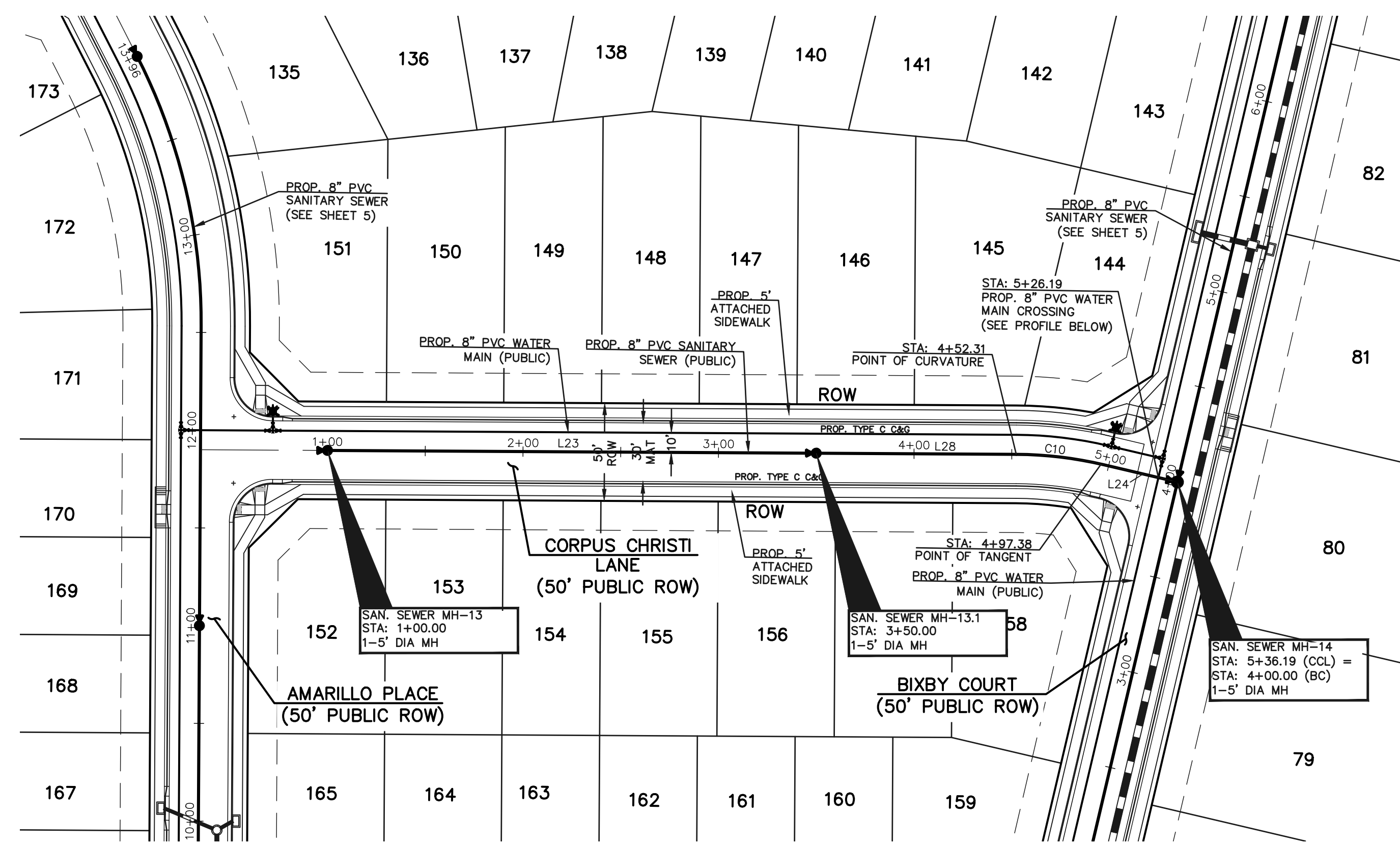
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

STERLING RANCH EAST
FILING NO. 3

SANITARY SEWER PLAN

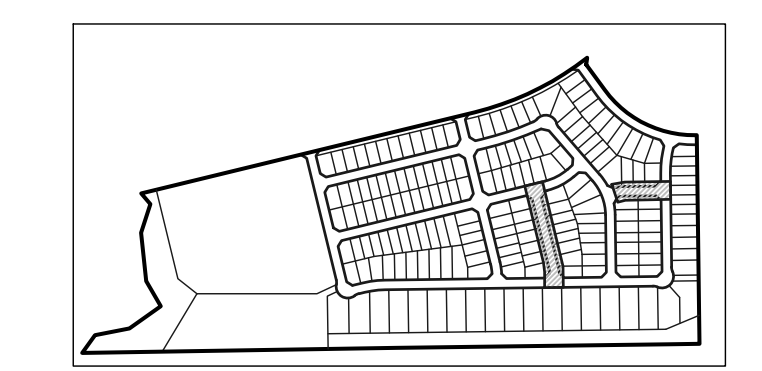
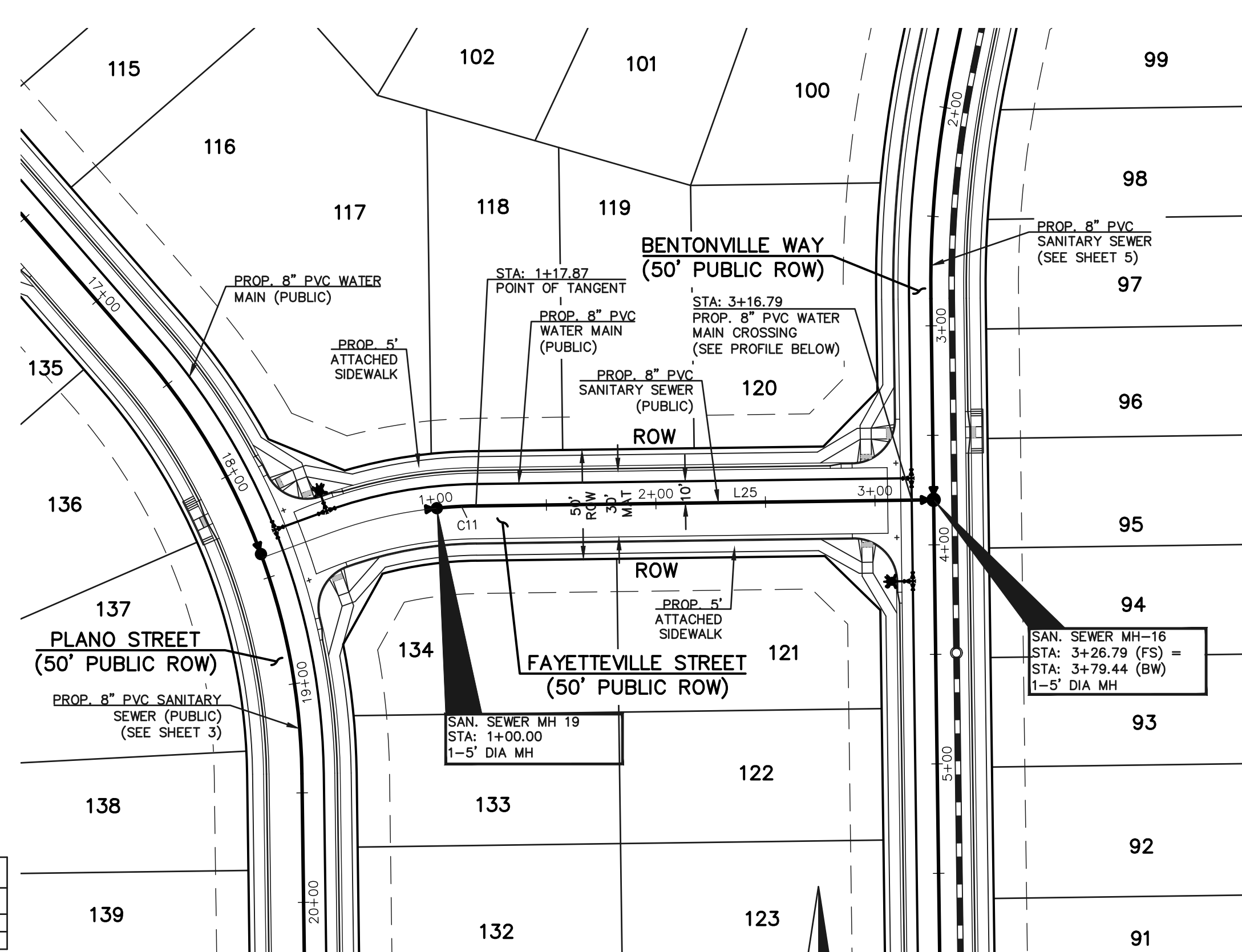
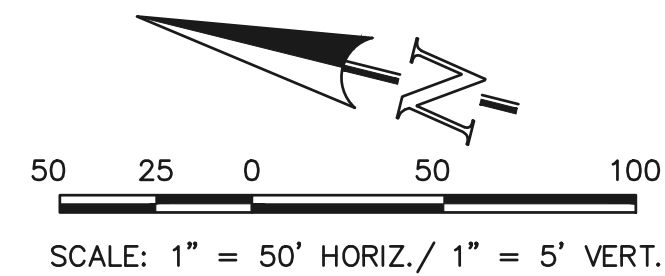
| | | | | |
|-------------|-------------|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 50' | SHEET | 6 OF 16 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.33 | |



NOTE:
ALL SANITARY SEGMENTS ARE 8" SDR 35 PVC UNLESS OTHERWISE SPECIFIED.

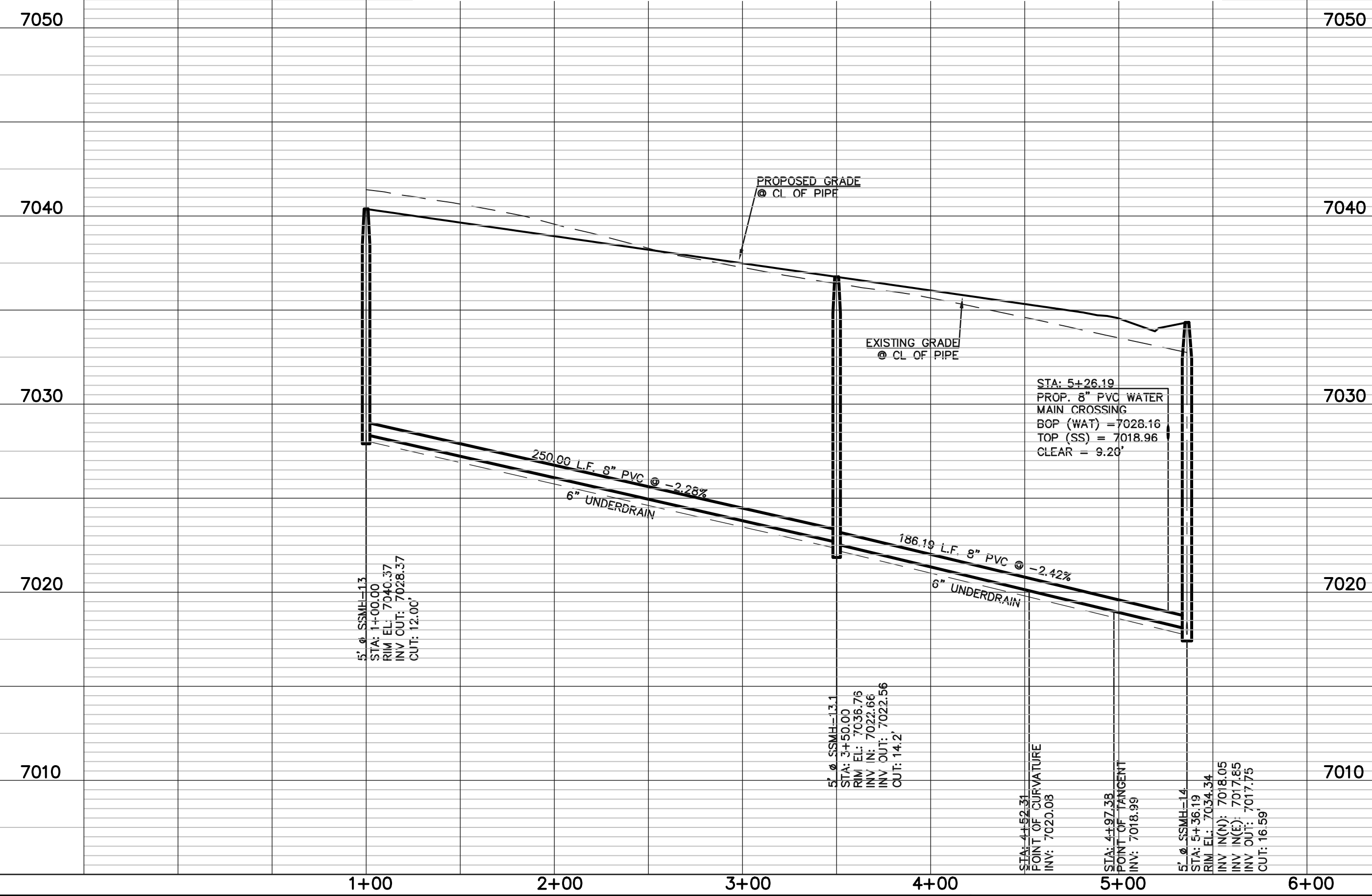
| SANITARY LINE TABLE | | |
|---------------------|--------|-------------|
| LINE | LENGTH | BEARING |
| L23 | 250.00 | S13°40'40"E |
| L24 | 38.81 | S00°46'00"E |
| L25 | 208.91 | N89°14'00"E |
| L28 | 77.31 | S13°40'40"E |

| SANITARY CURVE TABLE | | | |
|----------------------|-----------|--------|--------|
| LINE | DELTA | LENGTH | RADIUS |
| C10 | 12°54'40" | 45.07 | 200.00 |
| C11 | 5°07'13" | 17.87 | 200.00 |

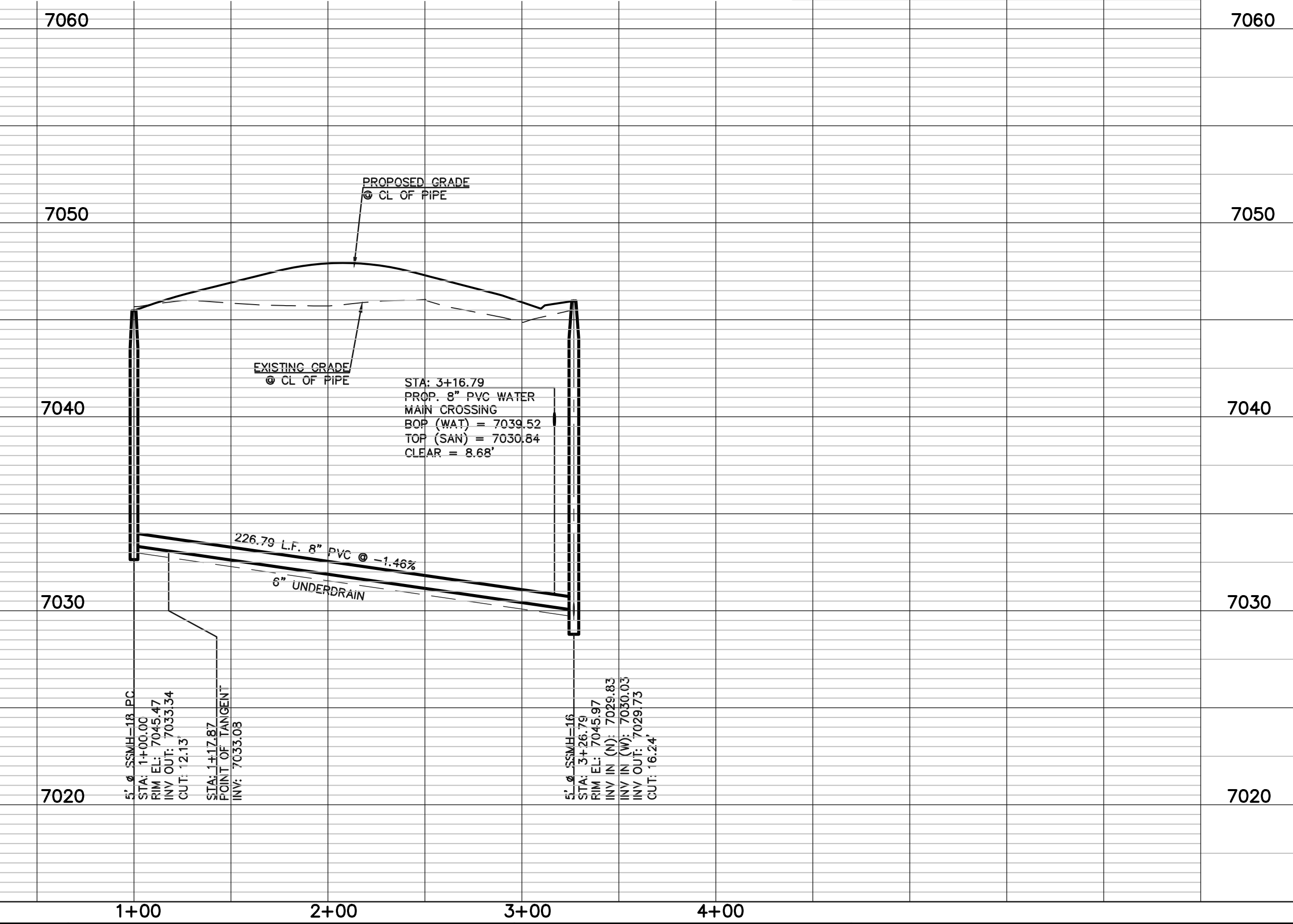


NOTE:
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PROPOSED PUBLIC 8" PVC SANITARY SEWER MAIN - CORPUS CHRISTI LANE



PROPOSED PUBLIC 8" PVC SANITARY SEWER MAIN - FAYETTEVILLE STREET



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, REGISTERED PROFESSIONAL ENGINEER #37155
DATE: 2/20/2025

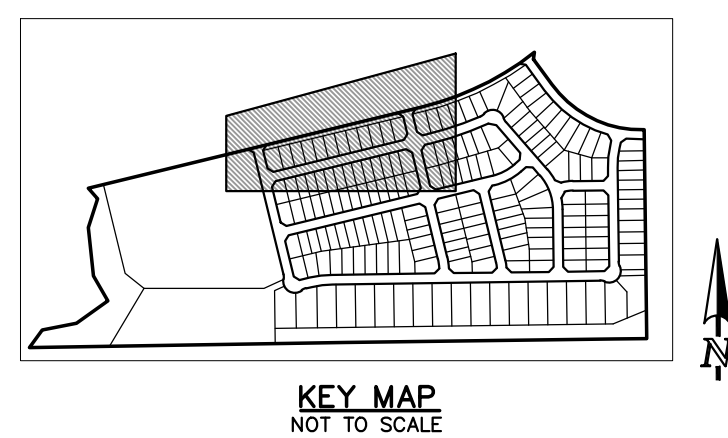
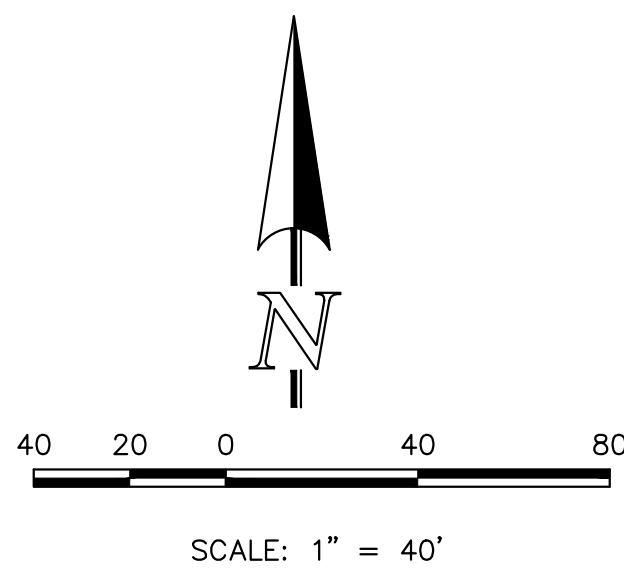
CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(Fax)

STERLING RANCH EAST
FILING NO. 3

SANITARY SEWER PLAN

| | | | | |
|-------------|------------|-------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1"= 50' | SHEET | 7 OF 16 |
| CHECKED BY | (V) 1"= 5' | JOB NO. | 1183.33 | |



NOTE:
NO TREES WILL BE ALLOWED WITHIN 15' OF ANY PUBLIC WATER/WASTEWATER MAINLINES.

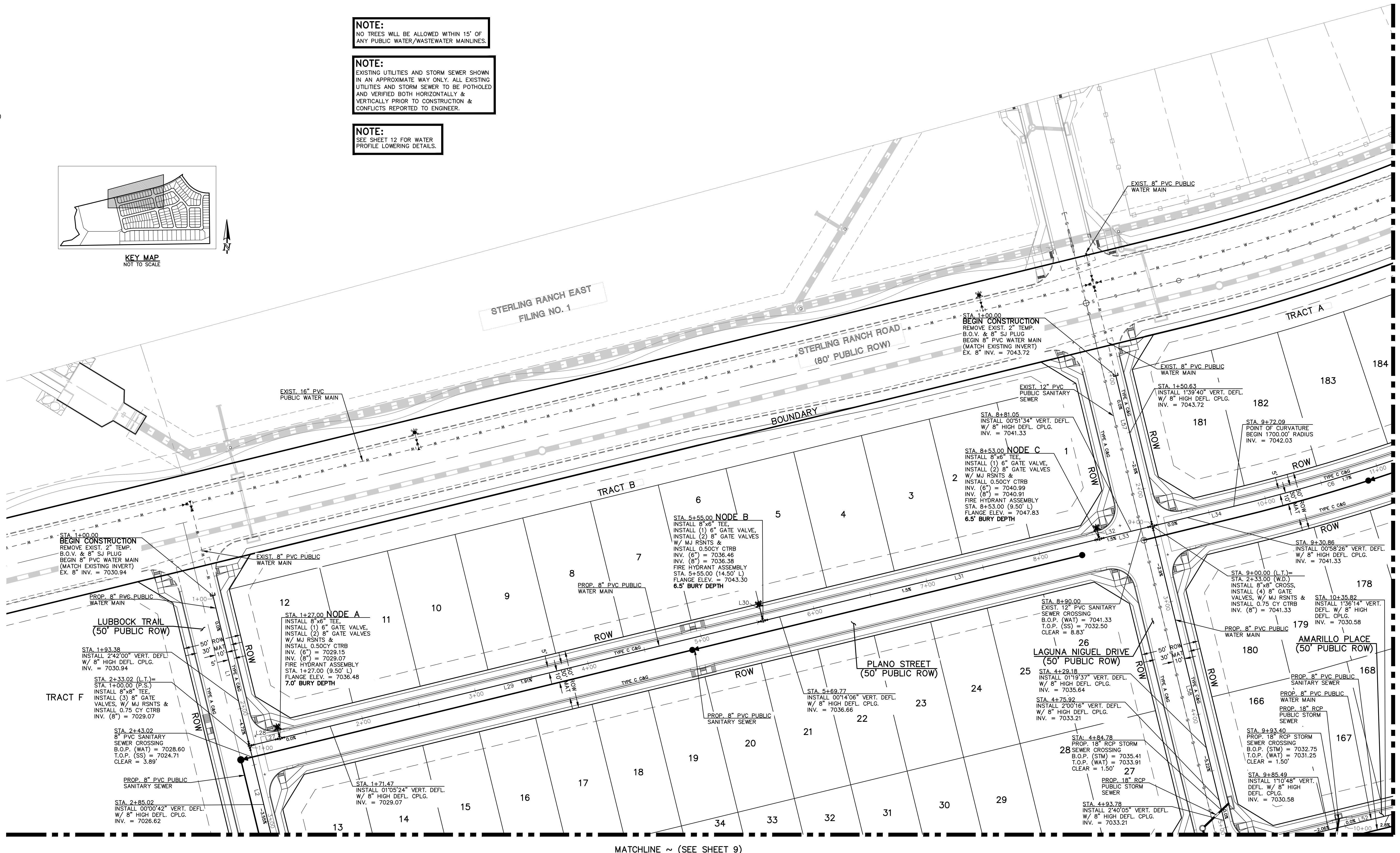
NOTE:
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NOTE:
SEE SHEET 12 FOR WATER PROFILE LOWERING DETAILS.

NOTE:
ALL WATER SEGMENTS ARE PVC

| WATER LINE TABLE | |
|------------------|--------------------|
| LENGTH | BEARING |
| L1 | 133.02 S13°40'40"E |
| L2 | 290.00 S13°40'40"E |
| L27 | 27.00 N76°19'20"E |
| L28 | 9.50 N13°40'40"W |
| L29 | 428.00 N76°19'20"E |
| L30 | 14.50 N13°40'40"W |
| L31 | 298.00 N76°19'20"E |
| L32 | 9.50 N13°40'40"W |
| L33 | 47.00 N76°19'20"E |
| L34 | 72.09 N76°19'20"E |
| L52 | 290.00 N76°19'20"E |
| L57 | 133.02 S13°40'40"E |
| L58 | 290.00 S13°40'40"E |

| WATER CURVE TABLE | | |
|-------------------|-----------|----------------|
| DELTA | LENGTH | RADIUS |
| C6 | 07°00'55" | 208.14 1700.00 |



| LEGEND | |
|--------|------------------------------|
| | PROPOSED FIRE HYDRANT |
| | PROPOSED WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER |
| | PROPOSED STORM INLET |
| | ROW/BOUNDARY LINE |
| | EXISTING FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING SANITARY SEWER MAIN |
| | EXISTING STORM SEWER |
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| NO. | REVISION | DATE |
|-----|----------|------|
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| | | |
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| | | |
| | | |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, REGISTERED PROFESSIONAL ENGINEER #37155

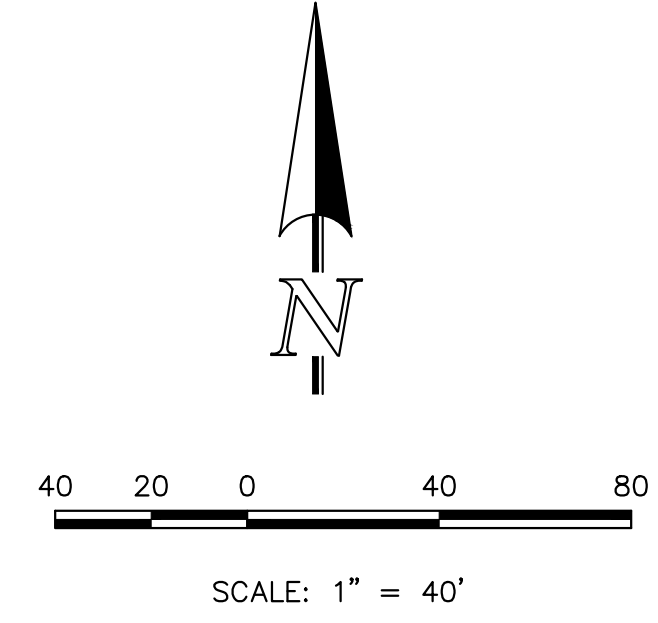
2/20/2025 DATE

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

| | | | |
|-------------------------------------|--------------|--------------|----------------|
| STERLING RANCH EAST FILING NO. 3 | | | |
| PUBLIC WATER SYSTEM PLAN | | | |
| DESIGNED BY | ESO | SCALE | DATE 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 40' | SHEET 8 OF 16 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.33 |

N:\118333\DRAWINGS\CONSTRUCTION\UTILITIES\118333-WAT-08.dwg, 2/20/2025, 2:05:57 PM, 1/1

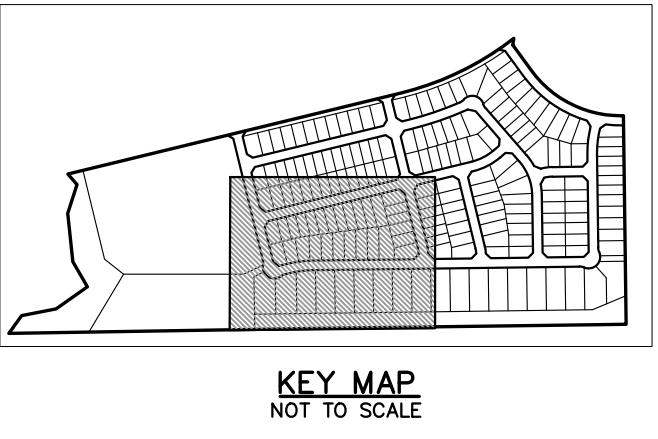
MATCHLINE ~ (SEE SHEET 8)



NOTE:
ALL WATER SEGMENTS ARE PVC

| WATER LINE TABLE | | |
|------------------|---------|-------------|
| LENGTH | BEARING | |
| L2 | 290.00 | S13°40'40"E |
| L3 | 265.86 | S13°40'40"E |
| L4 | 34.14 | S88°40'40"E |
| L5 | 17.86 | N76°19'20"E |
| L6 | 170.61 | N89°14'00"E |
| L7 | 14.50 | N00°46'00"W |
| L8 | 421.92 | N89°14'00"E |
| L9 | 300.00 | N89°14'00"E |
| L45 | 27.00 | N76°19'20"E |
| L46 | 9.50 | N13°40'40"W |
| L47 | 418.00 | N76°19'20"E |
| L48 | 14.50 | N13°40'40"W |
| L49 | 308.00 | N76°19'20"E |
| L50 | 9.50 | N13°40'40"W |
| L51 | 47.00 | N76°19'20"E |
| L52 | 290.00 | N76°19'20"E |
| L58 | 290.00 | S13°40'40"E |
| L59 | 165.00 | S13°40'40"E |
| L60 | 1.31 | S00°46'00"E |
| L61 | 9.50 | N89°14'00"E |
| L62 | 27.00 | S00°46'00"E |
| L69 | 173.43 | S13°40'40"E |
| L70 | 52.34 | N76°19'20"E |
| L73 | 14.50 | S13°40'40"E |
| L74 | 14.50 | N76°19'20"E |

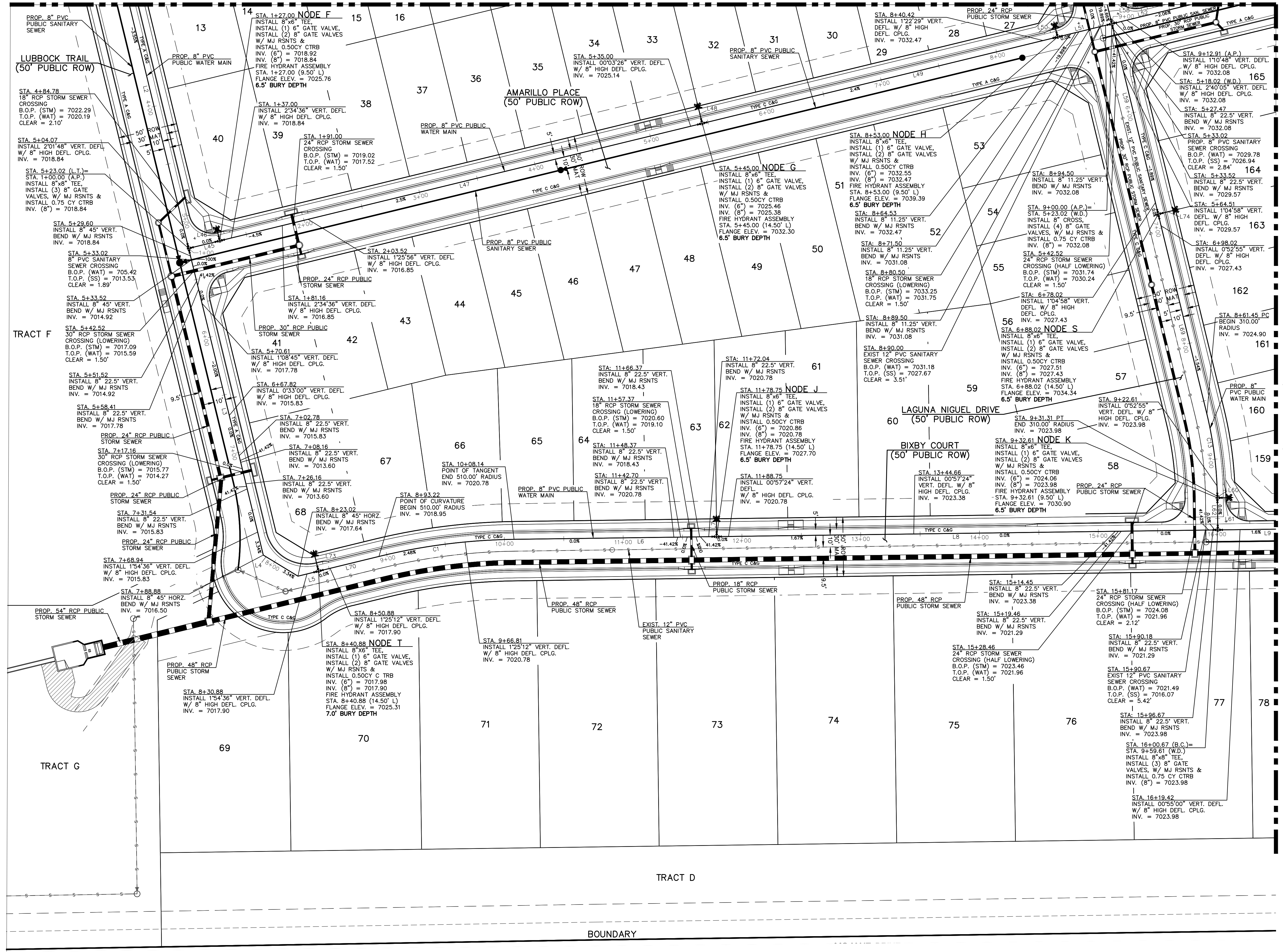
| WATER CURVE TABLE | | |
|-------------------|-----------|--------|
| DELTA | LENGTH | RADIUS |
| C1 | 12°54'40" | 510.00 |
| C13 | 12°54'40" | 310.00 |



NOTE:
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NOTE:
SEE SHEET 12 FOR WATER PROFILE LOWERING DETAILS.



MATCHLINE ~ (SEE SHEET 10)

| LEGEND | |
|--------|------------------------------|
| | PROPOSED FIRE HYDRANT |
| | PROPOSED WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER |
| | PROPOSED STORM INLET |
| | EXISTING GAS MAIN |
| | EXISTING ELECTRIC |
| | EXISTING FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING SANITARY SEWER MAIN |
| | EXISTING STORM SEWER |
| | EXISTING STORM INLET |
| | EXISTING GAS MAIN |
| | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |
| | | |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON
REGISTERED PROFESSIONAL ENGINEER
#37155

2/20/2025
DATE

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

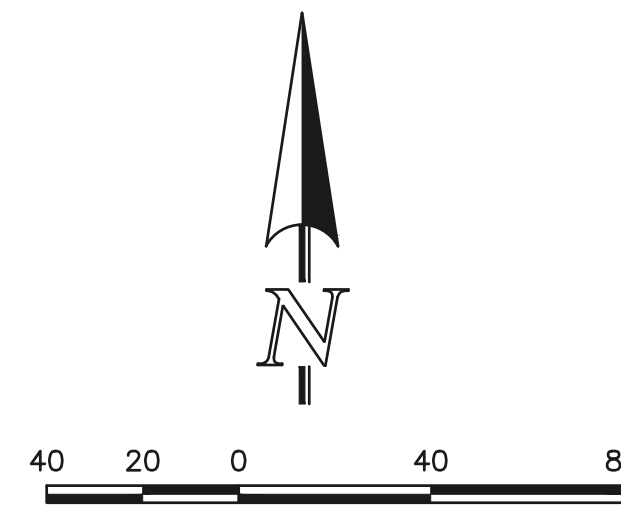
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(Fax)

STERLING RANCH EAST
FILING NO. 3

PUBLIC WATER SYSTEM PLAN

| | | | | |
|-------------|--------------|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 40' | SHEET | 9 OF 16 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.33 | |

MATCHLINE ~ (SEE SHEET 11)

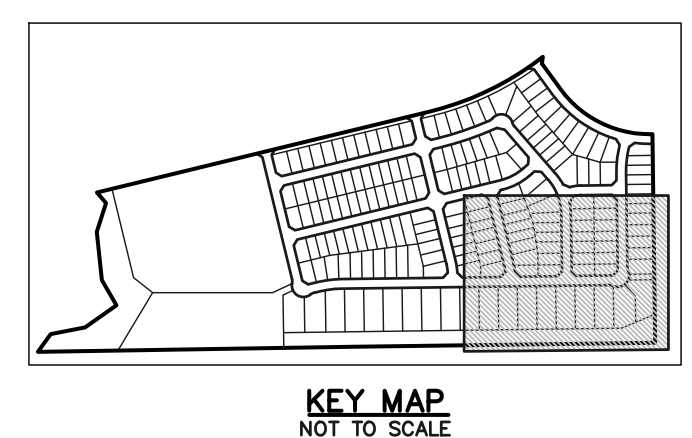


SCALE: 1" = 40'

NOTE: ALL WATER SEGMENTS ARE PVC

| WATER LINE TABLE | | |
|------------------|---------|-------------|
| LENGTH | BEARING | |
| L9 | 300.00 | N89°14'00"E |
| L10 | 295.14 | N89°14'00"E |
| L11 | 250.00 | N89°14'00"E |
| L12 | 14.50 | N89°14'00"E |
| L13 | 35.00 | S00°46'00"E |
| L14 | 28.28 | N44°14'00"E |
| L15 | 348.00 | N00°46'00"W |
| L16 | 9.50 | N89°14'00"E |
| L17 | 47.00 | N00°46'00"W |
| L39 | 218.00 | S00°46'00"E |
| L40 | 9.50 | N89°14'00"E |
| L41 | 27.00 | S00°46'00"E |
| L65 | 380.31 | S13°40'40"E |
| L66 | 1.81 | S00°46'00"E |
| L67 | 9.50 | N89°14'00"E |
| L68 | 27.00 | S00°46'00"E |
| L71 | 93.87 | S00°46'00"E |
| L75 | 14.50 | N89°14'00"E |

| WATER CURVE TABLE | | |
|-------------------|-----------|--------|
| DELTA | LENGTH | RADIUS |
| C9 | 21°04'55" | 114.06 |
| C14 | 12°54'40" | 47.32 |
| | | 310.00 |
| | | 210.00 |



WATER NOTES:

UNLESS OTHERWISE INDICATED, MJ RESTRAINTS WILL BE USED ON ALL HORIZONTAL BENDS. MJ RESTRAINTS PIPE LENGTHS ARE BASED ON FALCON AREA WATER & WASTEWATER AUTHORITY SPECIFICATIONS. IF DETERMINED IN THE FIELD THAT THE MJ RESTRAINTS WILL NOT WORK THEN USE CONCRETE THRUST BLOCKS PER FALCON AREA WATER AND WASTEWATER AUTHORITY SPECIFICATIONS.

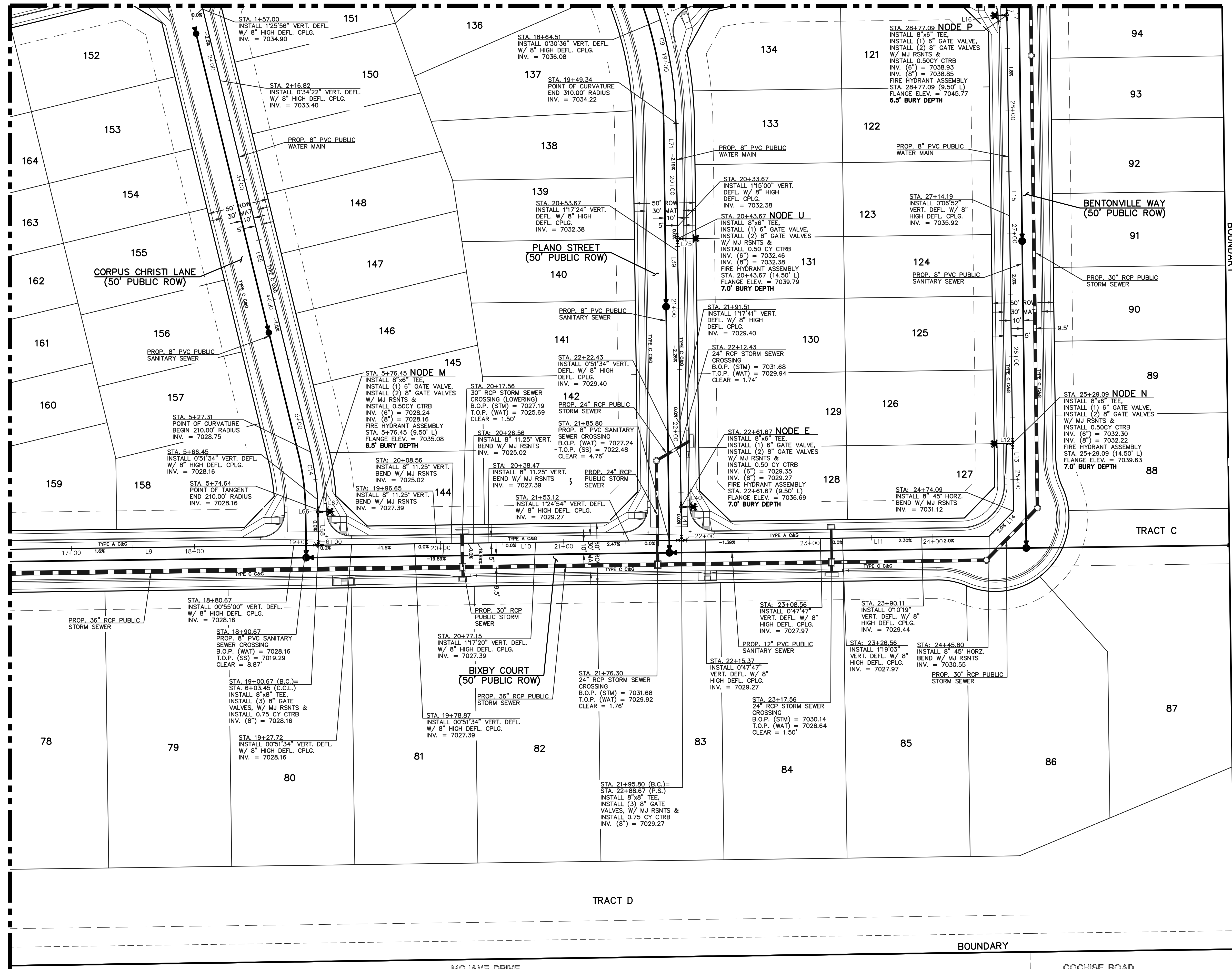
WHEN WATER MAIN CROSSES UNDER A WASTEWATER MAIN OR STORM SEWER MAIN SECONDARY CONTAINMENT MUST BE PROVIDED.

1. WATER MAIN OR ABOVE UTILITY SHALL BE CONSTRUCTED WITHOUT MECHANICAL JOINTS FOR 9 FEET ON EITHER SIDE OF THE CROSSING. PER FALCON AREA WATER AND WASTEWATER AUTHORITY SPECIFICATIONS.
2. THE WATER MAIN OR ABOVE UTILITY SHALL BE ENCASED IN FLOW FILL PER FALCON AREA WATER AND WASTEWATER AUTHORITY SPECIFICATIONS FOR 10 FEET ON EITHER SIDE OF CROSSING.

NOTE: NO TREES WILL BE ALLOWED WITHIN 15' OF ANY PUBLIC WATER/WASTEWATER MAINLINES.

NOTE: EXISTING UTILITIES AND STORM SEWER SHOWN IN AN APPROXIMATE WAY ONLY. ALL EXISTING UTILITIES AND STORM SEWER TO BE POTHOLED AND VERIFIED BOTH HORIZONTALLY & VERTICALLY PRIOR TO CONSTRUCTION & CONFLICTS REPORTED TO ENGINEER.

NOTE: SEE SHEET 12 FOR WATER PROFILE LOWERING DETAILS.



MATCHLINE ~ (SEE SHEET 9)

BOUNDARY

UNPLATTED

TRACT C

TRACT D

BOUNDARY

| LEGEND | |
|--------|------------------------------|
| | PROPOSED FIRE HYDRANT |
| | PROPOSED WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER |
| | PROPOSED STORM INLET |
| | ROW/BOUNDARY LINE |
| | EXISTING FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING SANITARY SEWER MAIN |
| | EXISTING STORM SEWER |
| | EXISTING STORM INLET |
| | EXISTING GAS MAIN |
| | EXISTING ELECTRIC |

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |
| | | |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, P.E. #37155

DATE: 2/20/2025

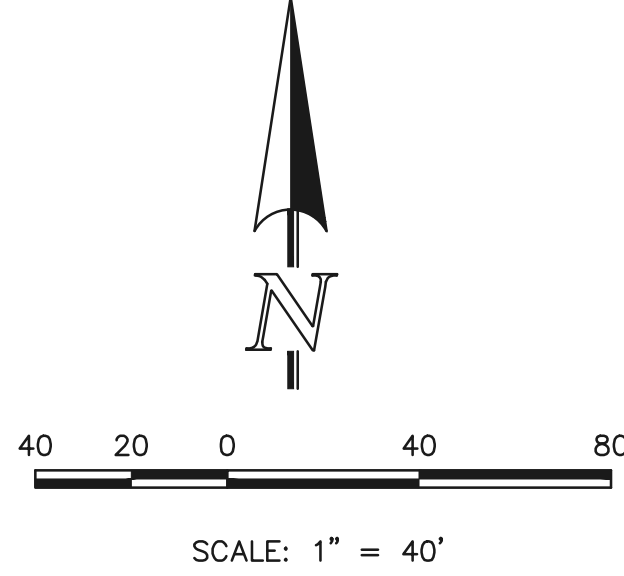
CLASSIC CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

| | | | |
|----------------------------------|-------------|--------------|----------------|
| STERLING RANCH EAST FILING NO. 3 | | | |
| PUBLIC WATER SYSTEM PLAN | | | |
| DESIGNED BY | ESO | SCALE | DATE 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 50' | SHEET 10 OF 16 |
| CHECKED BY | (V) 1" = 5' | JOB NO. | 1183.33 |

N:\118333\DRAWINGS\CONSTRUCTION\UTILITIES\118333-WAT-10.dwg, 1/29/2025 3:10:45 PM, 1:1.



NOTE:
ALL WATER SEGMENTS ARE PVC

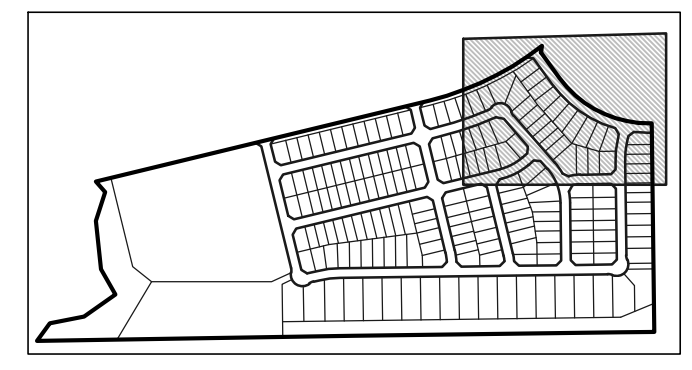
| WATER LINE TABLE | | |
|------------------|----------|-------------|
| LENGTH | BEARING | |
| L17 | 47.00 | N00°46'00"W |
| L18 | 81.92 | N00°46'00"W |
| L19 | 43.19 | N11°40'00"E |
| L20 | 9.50 | N78°20'00"W |
| L21 | 46.01 | N11°40'00"E |
| L22 | 157.10 | S36°12'00"E |
| L23 | 25.00 | N53°48'00"E |
| L24 | 5.00 | S36°12'00"E |
| L25 | 9.50 | N51°33'38"E |
| L26 | 7.06 | N89°14'00"E |
| L27 | 14.50 | S20°41'35"E |
| L28 | 6.83 | S67°00'00"E |
| L29 | 278.32 | S41°00'00"E |
| L30 | NOT USED | |
| L31 | 311.87 | S00°46'00"E |
| L32 | 9.50 | N89°14'00"E |
| L33 | 27.00 | S00°46'00"E |
| L34 | 24.00 | N70°00'00"E |
| L35 | 9.50 | N19°43'39"W |
| L36 | 198.91 | N89°14'00"E |
| L37 | 290.00 | N76°19'20"E |
| L38 | 53.30 | N76°19'20"E |
| L39 | 49.06 | N49°00'00"E |
| L40 | 9.50 | N41°00'00"W |
| L41 | 47.00 | N49°00'00"E |
| L42 | 47.00 | S13°40'40"E |
| L43 | 9.50 | N76°19'20"E |
| L44 | 380.31 | S13°40'40"E |
| L45 | 115.77 | S41°00'00"E |

| WATER CURVE TABLE | | |
|-------------------|-----------|--------|
| DELTA | LENGTH | RADIUS |
| C2 | 12°26'00" | 110.67 |
| C3 | 21°4'22" | 23.06 |
| C4 | 38°55'22" | 400.80 |
| C5 | 13°24'16" | 138.03 |
| C6 | 7°00'55" | 208.14 |
| C7 | 5°05'17" | 150.97 |
| C8 | 19°09'05" | 103.62 |
| C9 | 21°04'55" | 114.06 |
| C10 | 00°16'21" | 1.00 |
| C11 | 18°57'39" | 210.00 |
| C12 | 27°19'20" | 290.00 |

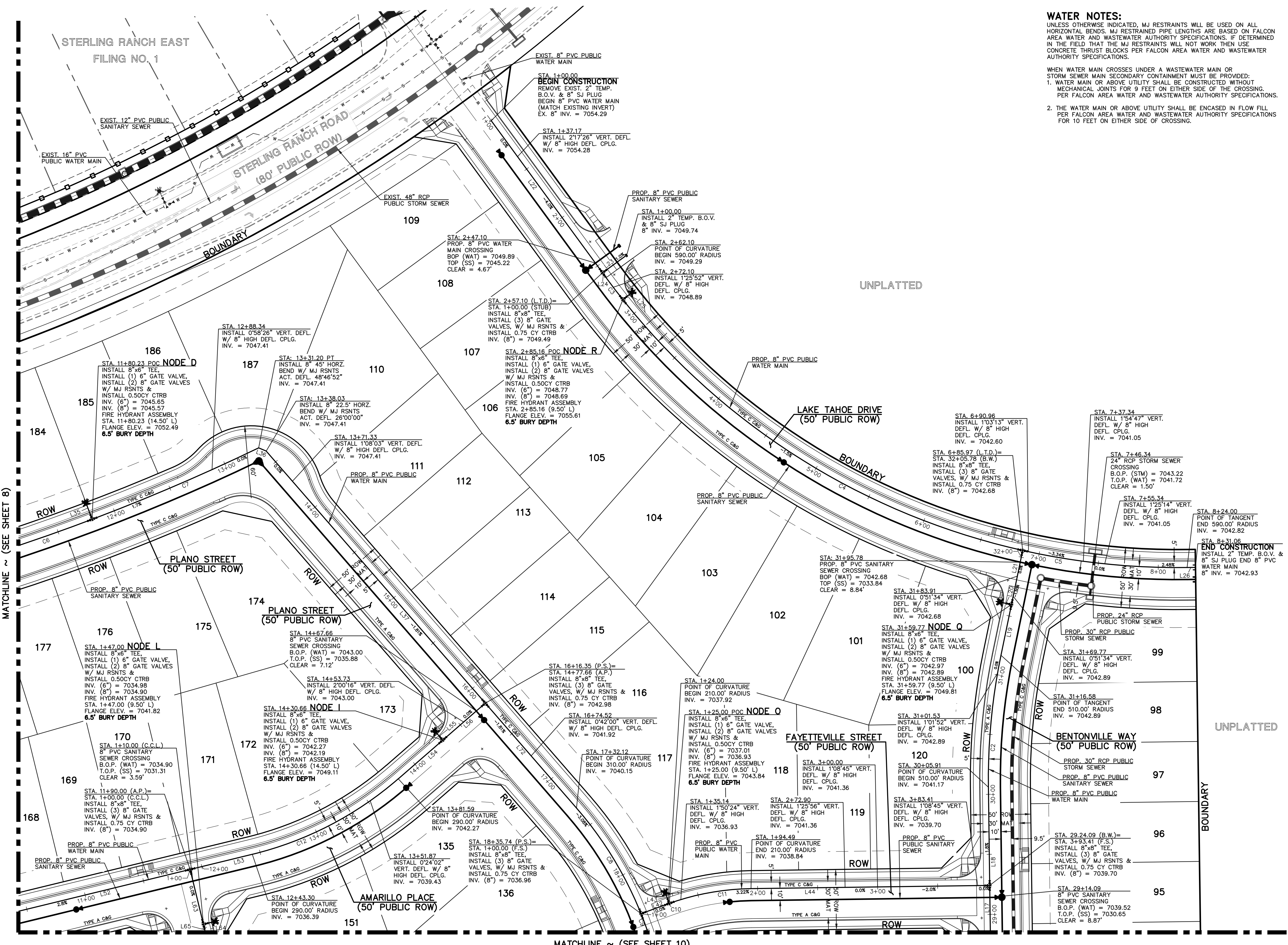
NOTE:
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NOTE:
SEE SHEET 12 FOR WATER PROFILE LOWERING DETAILS.



KEY MAP
NOT TO SCALE



WATER NOTES:
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LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| NO. REVISION | DATE | REVIEW: |
|--------------|------|---------|
| | | |
| | | |

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO REGISTERED PROFESSIONAL ENGINEER #37155

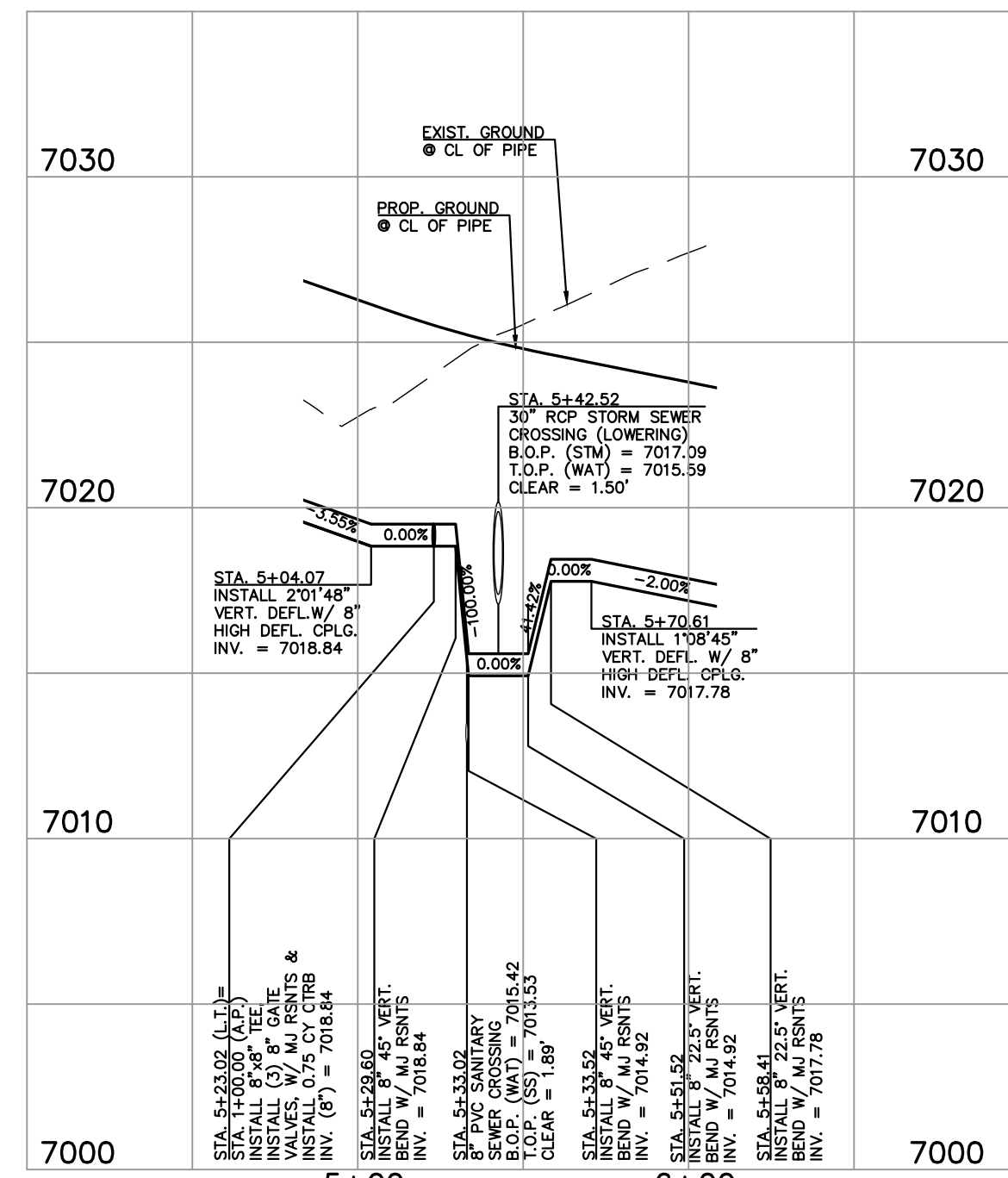
DATE: 2/20/2025

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(Fax)

**STERLING RANCH EAST
FILING NO. 3**

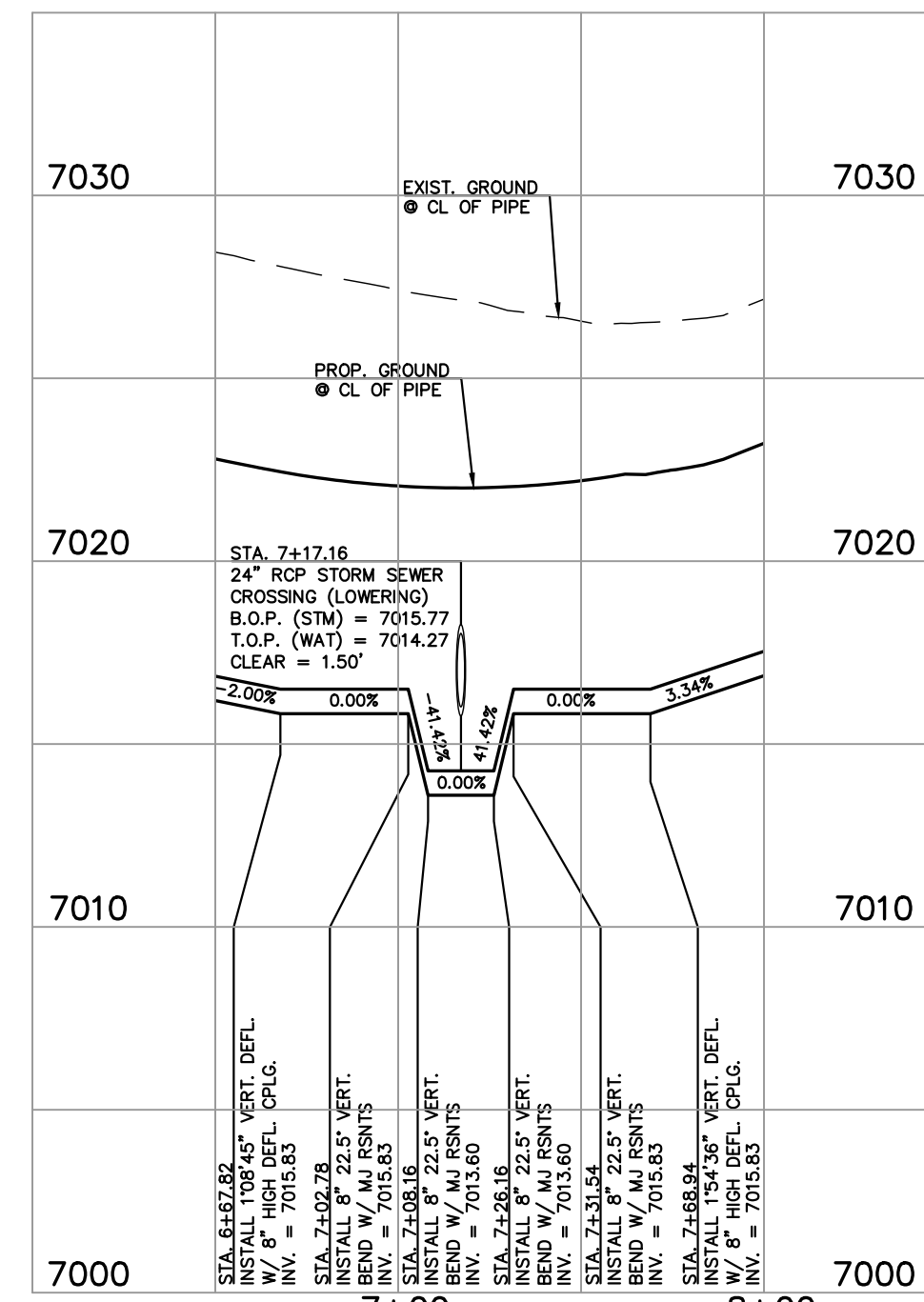
PUBLIC WATER SYSTEM PLAN

| | | | | |
|-------------|--------------|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 40' | SHEET | 11 OF 16 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.33 | |



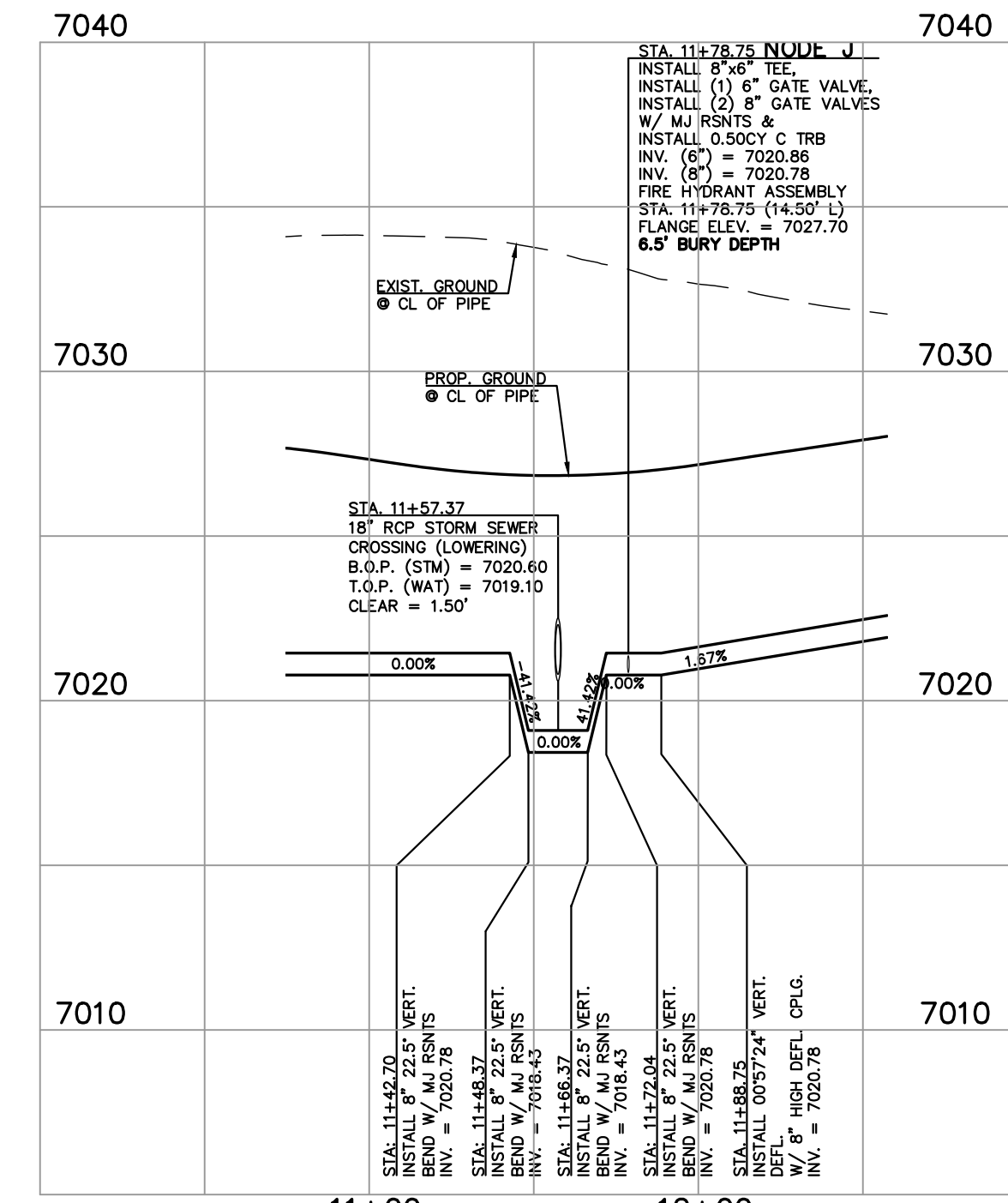
**WATER LOOP 1
WATER LOWERING
STA: 5+42.52**

SCALE 1" = 50' HORIZ.
1" = 5' VERT.



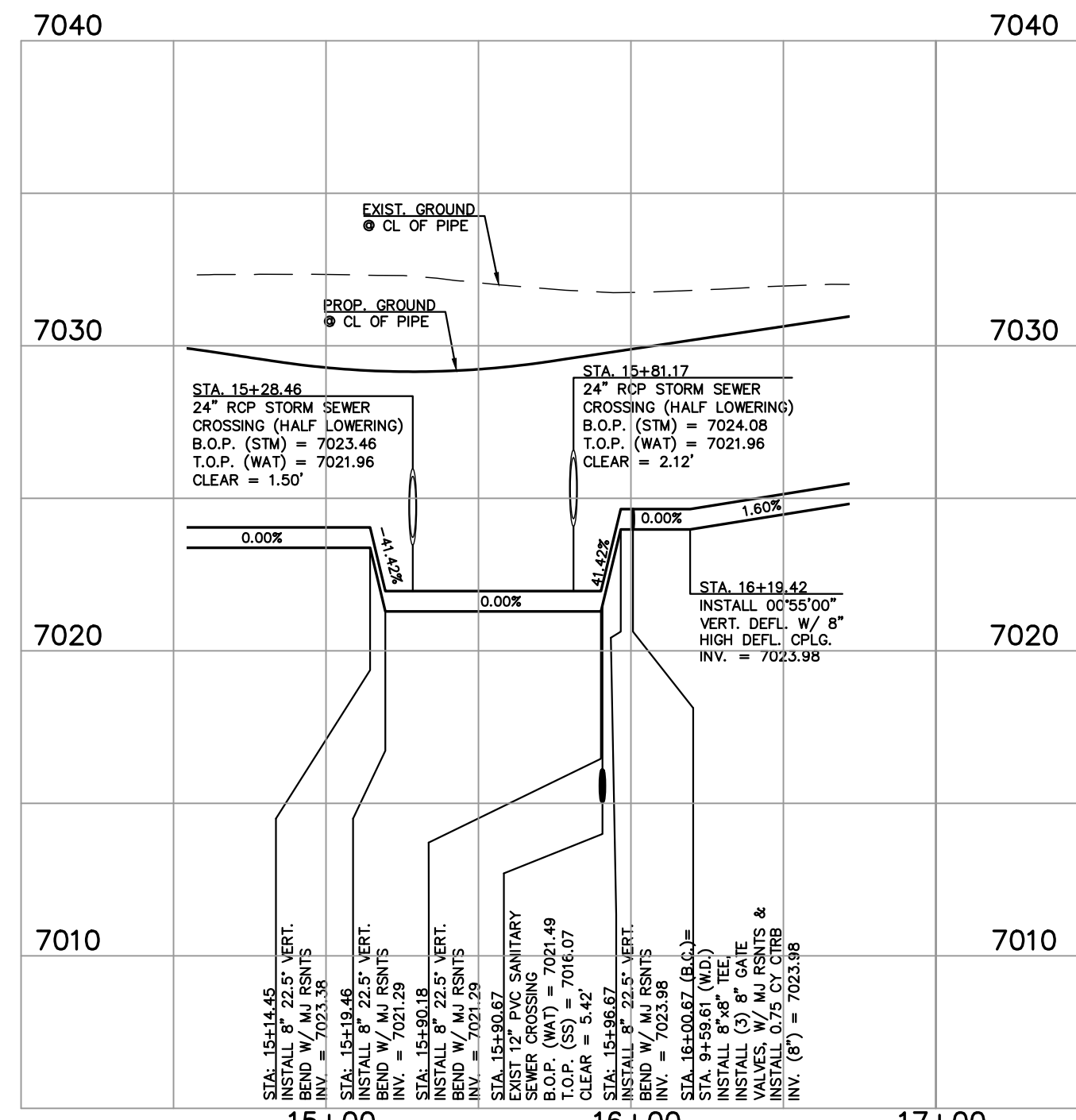
**WATER LOOP 1
WATER LOWERING
STA: 7+17.16**

SCALE 1" = 50' HORIZ.
1" = 5' VERT.



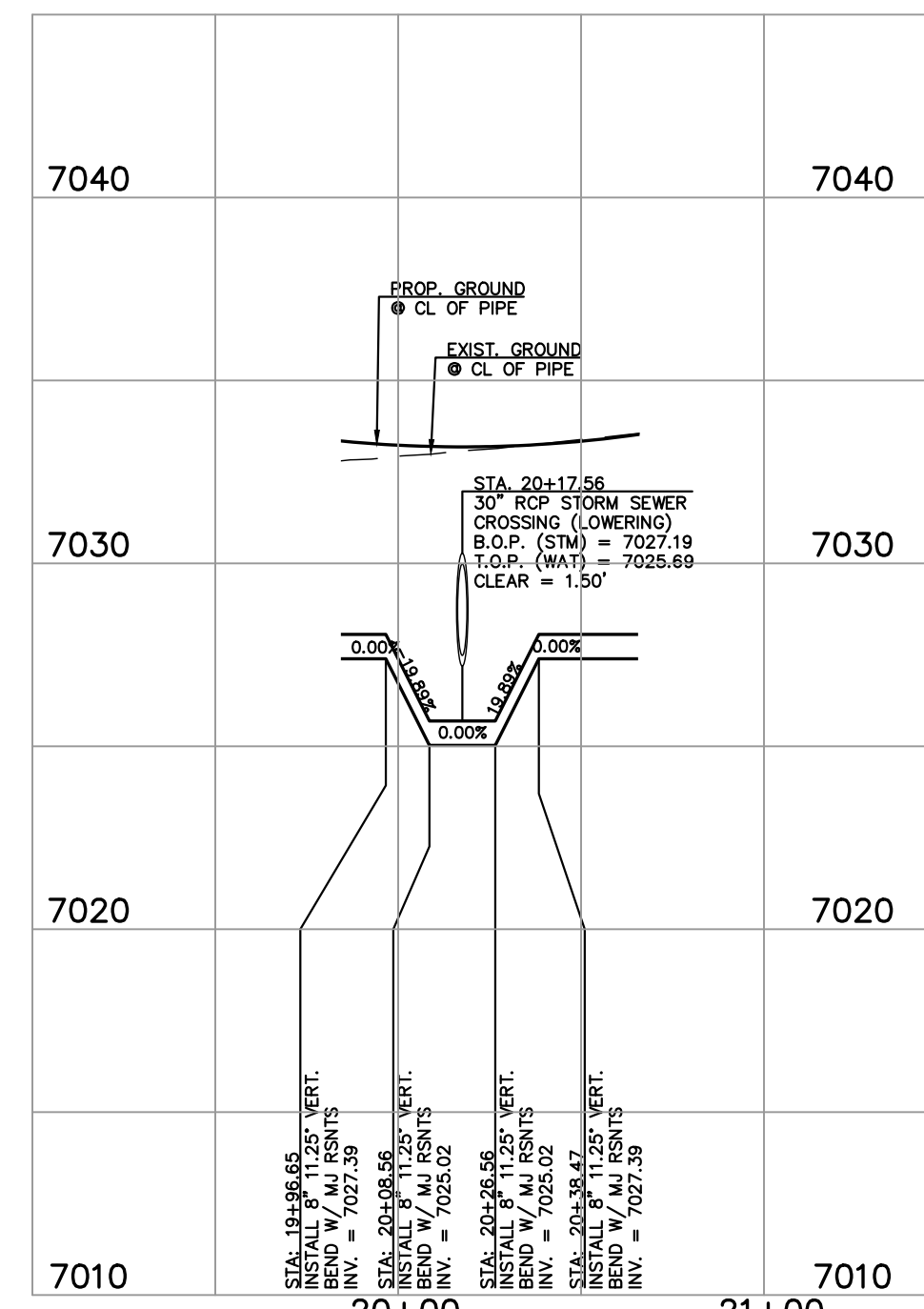
**WATER LOOP 1
WATER LOWERING
STA: 11+57.37**

SCALE 1" = 50' HORIZ.
1" = 5' VERT.



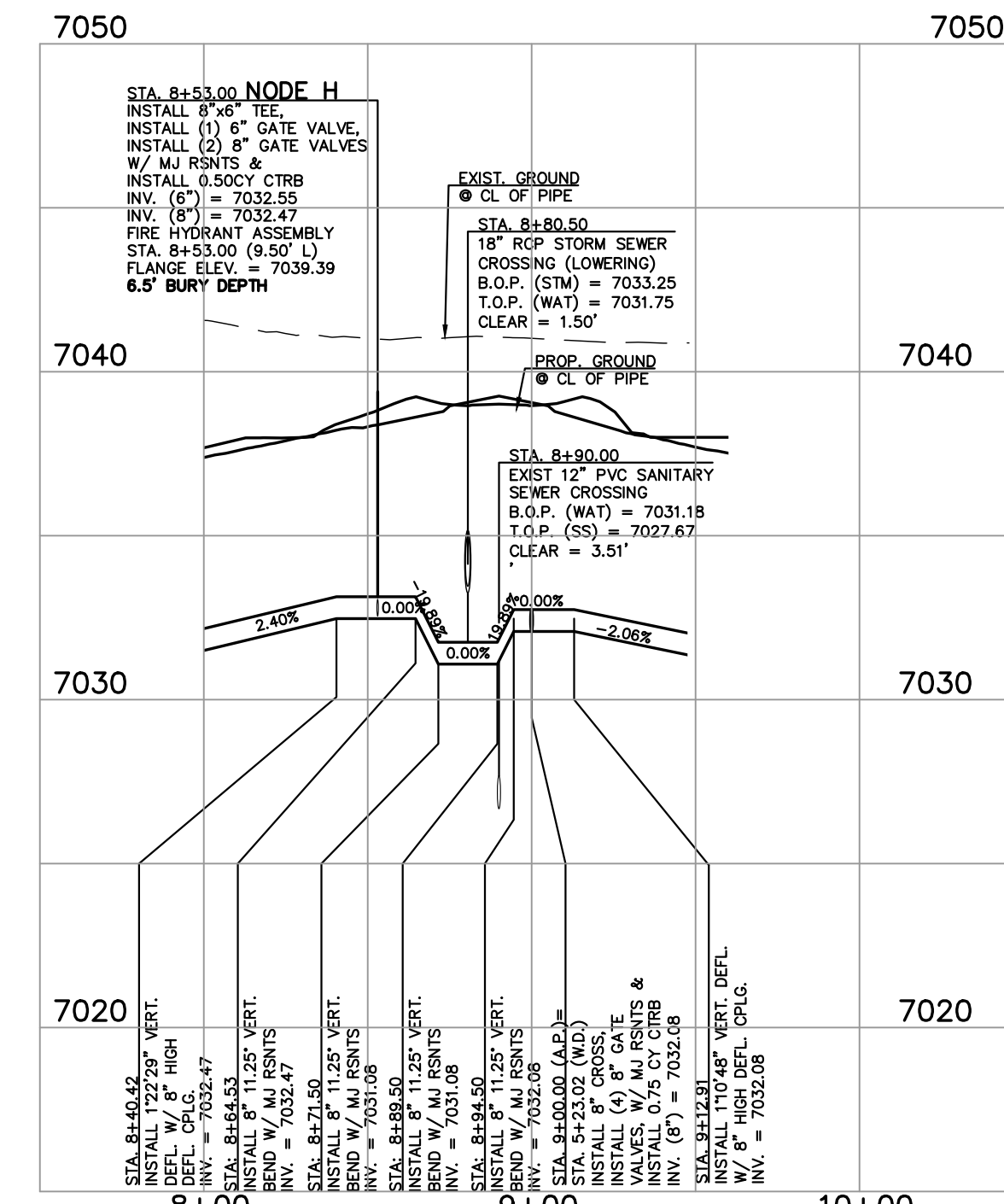
**WATER LOOP 1
WATER LOWERING
STA: 15+28.46-15+81.17**

SCALE 1" = 50' HORIZ.
1" = 5' VERT.



**WATER LOOP 1
WATER LOWERING
STA: 20+17.56**

SCALE 1" = 50' HORIZ.
1" = 5' VERT.



**AMARILLO PLACE
WATER LOWERING
STA: 8+50.00**

SCALE 1" = 50' HORIZ.
1" = 5' VERT.

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| NO. | REVISION | DATE |
|-----|----------|------|
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REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS, LLC

MARC A. WHORTON, REGISTERED PROFESSIONAL SURVEYOR #37155

2/20/2025 DATE

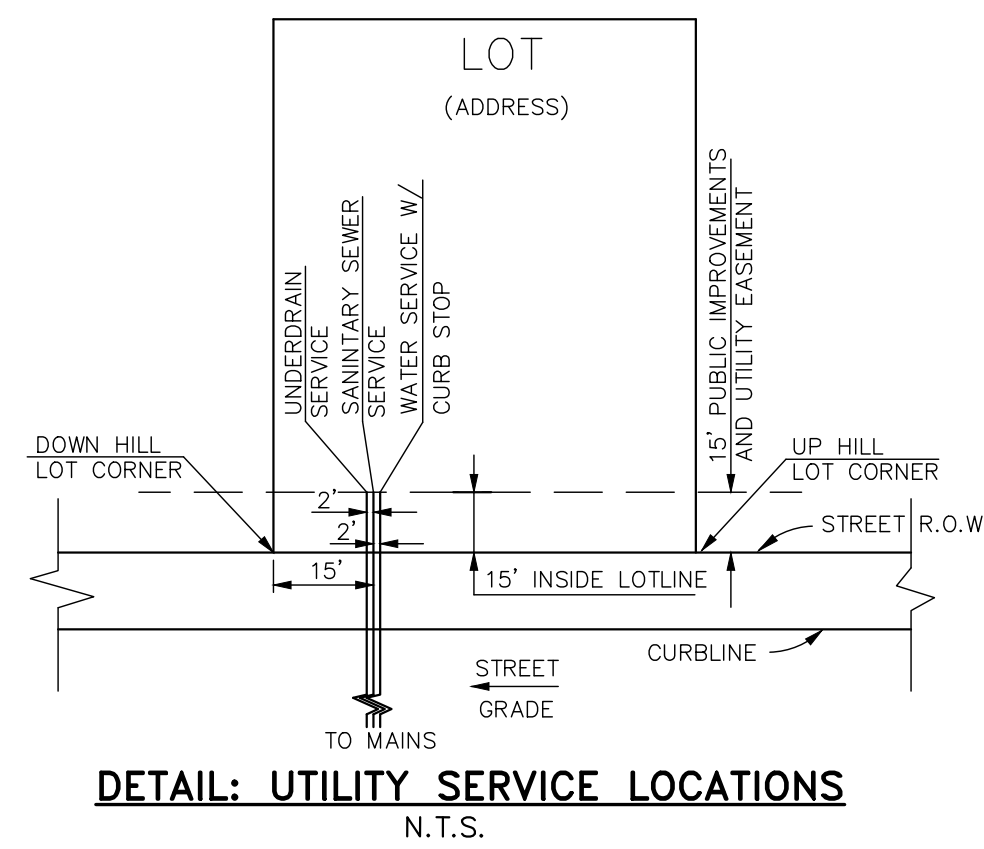


STERLING RANCH EAST
FILING NO. 3

PUBLIC WATER LOWERINGS

| | | | | |
|-------------|------------|-------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1"= N/A | SHEET | 12 OF 16 |
| CHECKED BY | (V) 1"= 5' | JOB NO. | 1183.33 | |

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

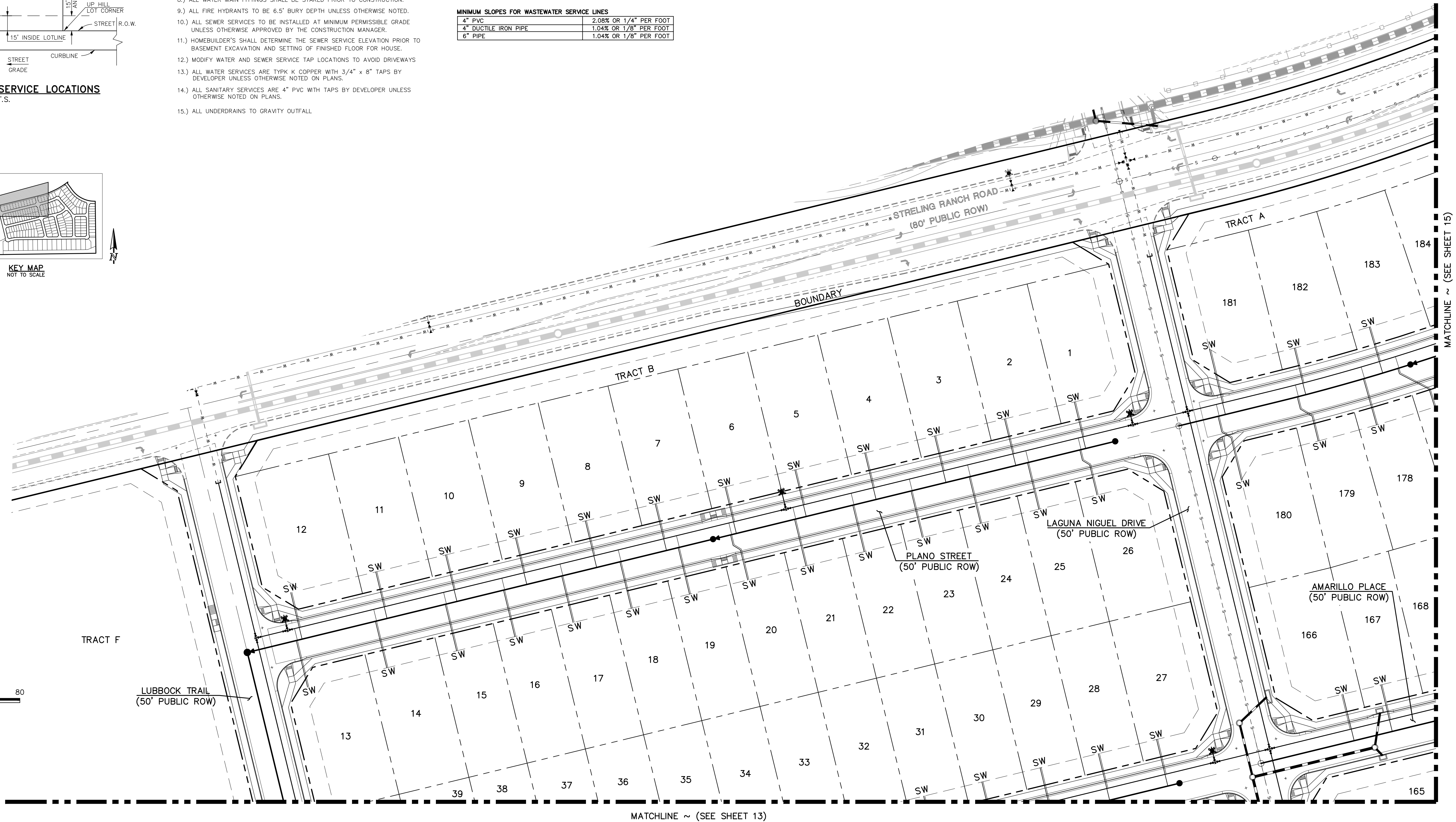
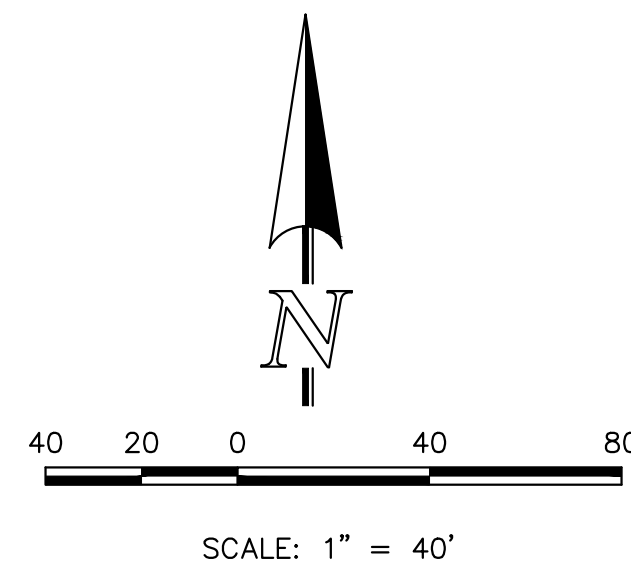
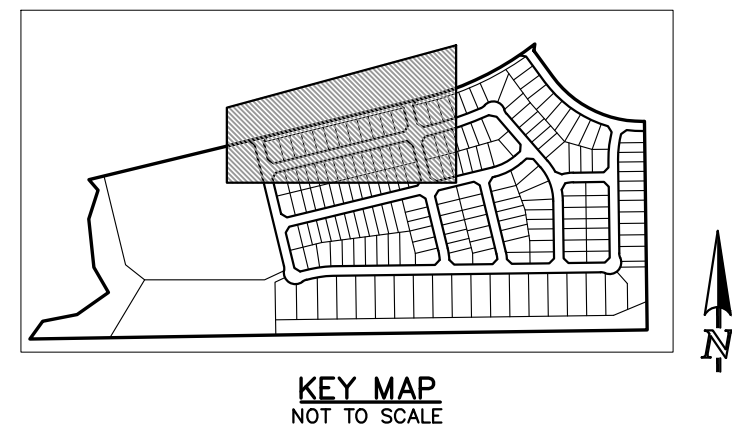


- NOTES:
- 1.) DIMENSIONS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.
 - 2.) SEE DISTRICT SPECS. FOR TAPPING SADDLE DETAIL.
 - 3.) FINAL LOCATION OF ALL SEWER, WATER AND GAS SERVICES TO BE APPROVED IN THE FIELD BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
 - 4.) PROPERTY END OF ALL SEWER SERVICES TO BE MARKED WITH A 12"x2"x4" POST EXTENDING VERTICALLY OUT OF GROUND 36 INCHES FROM FLOWLINE.
 - 5.) WATER SERVICES NOT INSTALLED IN THE SAME TRENCH WITH SEWER SERVICE TO BE MARKED WITH A 6"x2"x4" POST EXTENDING 4' BELOW FINISH GRADE.
 - 6.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE DISTRICT AND COORDINATE ANY INTERRUPTION TO EXISTING WATER SERVICE.
 - 7.) RE-USE OF ANY MATERIAL IS LEFT TO THE DISCRETION OF THE DISTRICT.
 - 8.) ALL WATER MAIN FITTINGS SHALL BE STAKED PRIOR TO CONSTRUCTION.
 - 9.) ALL FIRE HYDRANTS TO BE 6.5' BURY DEPTH UNLESS OTHERWISE NOTED.
 - 10.) ALL SEWER SERVICES TO BE INSTALLED AT MINIMUM PERMISSIBLE GRADE UNLESS OTHERWISE APPROVED BY THE CONSTRUCTION MANAGER.
 - 11.) HOMEOWNER'S SHALL DETERMINE THE SEWER SERVICE ELEVATION PRIOR TO BASEMENT EXCAVATION AND SETTING OF FINISHED FLOOR FOR HOUSE.
 - 12.) MODIFY WATER AND SEWER SERVICE TAP LOCATIONS TO AVOID DRIVEWAYS
 - 13.) ALL WATER SERVICES ARE TYPK K COPPER WITH 3/4" x 8" TAPS BY DEVELOPER UNLESS OTHERWISE NOTED ON PLANS.
 - 14.) ALL SANITARY SERVICES ARE 4" PVC WITH TAPS BY DEVELOPER UNLESS OTHERWISE NOTED ON PLANS.
 - 15.) ALL UNDERDRAINS TO GRAVITY OUTFALL.

CONTRACTOR TO TAKE CAUTION WHEN CROSSING UTILITY MAINS W/ SERVICES

MINIMUM SLOPES FOR WASTEWATER SERVICE LINES

| | |
|----------------------|------------------------|
| 4" PVC | 2.08% OR 1/4" PER FOOT |
| 4" DUCTILE IRON PIPE | 1.04% OR 1/8" PER FOOT |
| 6" PIPE | 1.04% OR 1/8" PER FOOT |



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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| | | |
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REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO REGISTERED PROFESSIONAL ENGINEER #37155

2/20/2025 DATE

CLASSIC CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

STERLING RANCH EAST FILING NO. 3

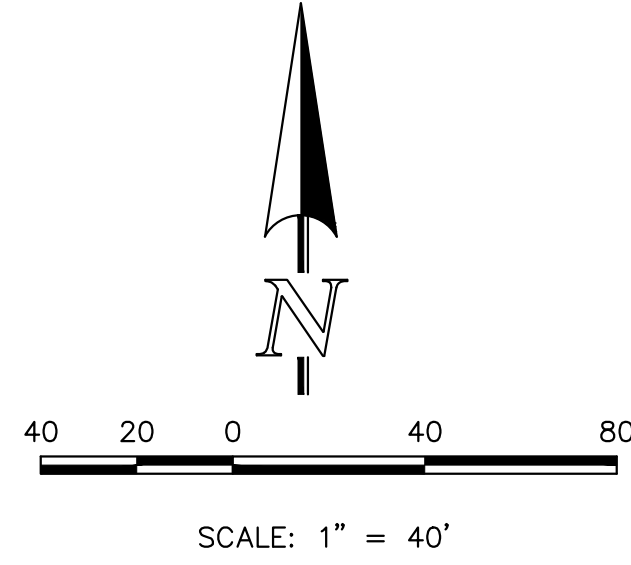
UTILITY SERVICE PLAN

| | | | | |
|-------------|-----|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 40' | SHEET | 13 OF 16 |
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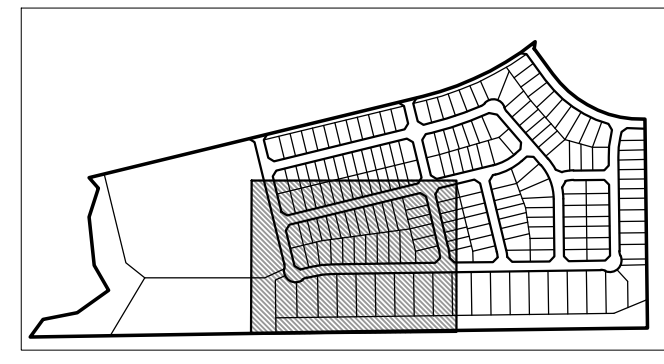


N:\11833\DRAWINGS\CONSTRUCTION\UTILITIES\118333-US-13.dwg, 1/29/2025, 3:12:26 PM, 1:1, KS

MATCHLINE ~ (SEE SHEET 12)



* SERVICE LINE LOCATIONS ARE NOT STANDARD PER DETAIL ON SHEET 12. WATER SERVICE AND SANITARY SEWER SERVICE LINES ARE TO BE PLACED AS SHOWN ON THIS PLAN.



KEY MAP
NOT TO SCALE



TRACT F

TRACT G

PAWNEE RANCHEROS
FILING NO. 2
PLAT BOOK U-2 PAGE 45

MOJAVE DRIVE
(30' PUBLIC ROW)

COCHISE ROAD
(60' PUBLIC ROW)

BAR J-B ACRES
SECOND FILING

LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

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UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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| NO. | REVISION | DATE |
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REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, P.E. #37155

DATE: 2/20/2025

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

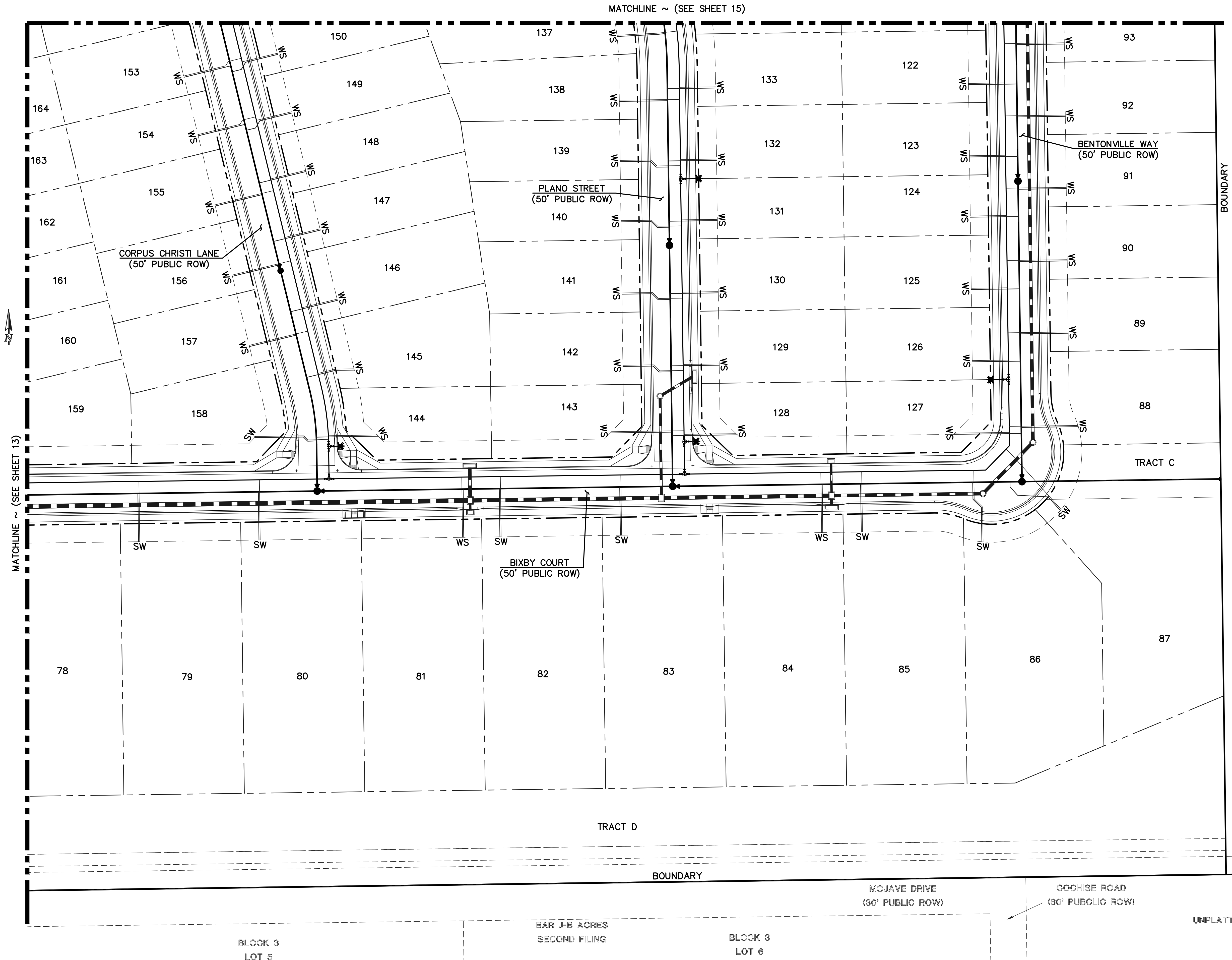
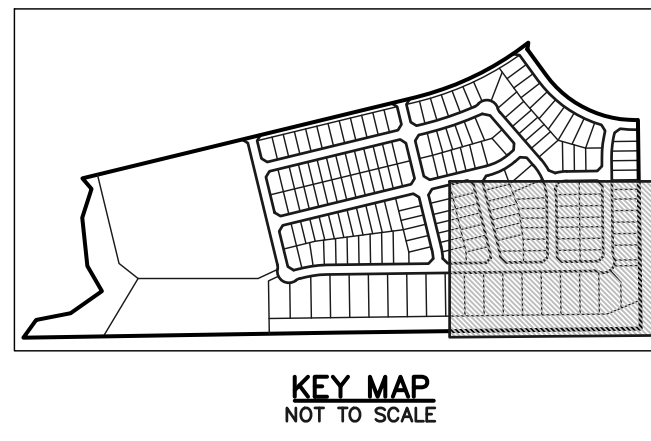
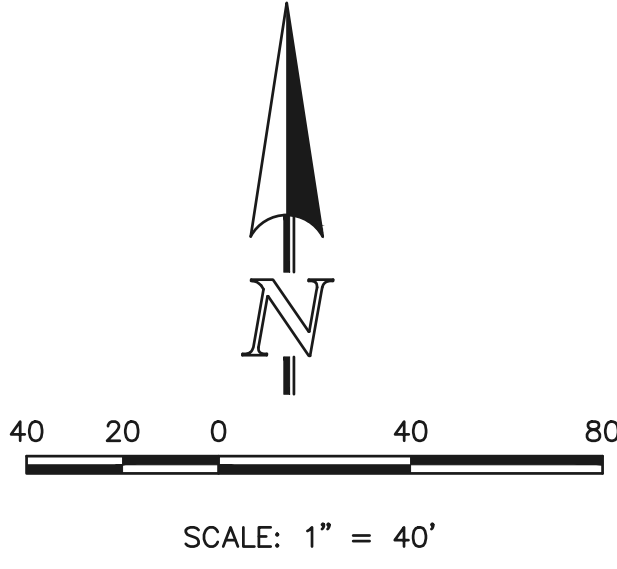
STERLING RANCH EAST
FILING NO. 3

UTILITY SERVICE PLAN

| | | | | |
|-------------|-----|--------------|---------|-----------|
| DESIGNED BY | ESO | SCALE | DATE | 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 40' | SHEET | 14 OF 16 |
| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.33 |

CLASSIC CONSULTING ENGINEERS & SURVEYORS

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| LEGEND | | | |
|--------|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
| | PROPOSED STORM INLET | | EXISTING STORM INLET |
| | ROW/BOUNDARY LINE | | EXISTING GAS MAIN |
| | | | EXISTING ELECTRIC |

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
811
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|--------------|------|
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PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

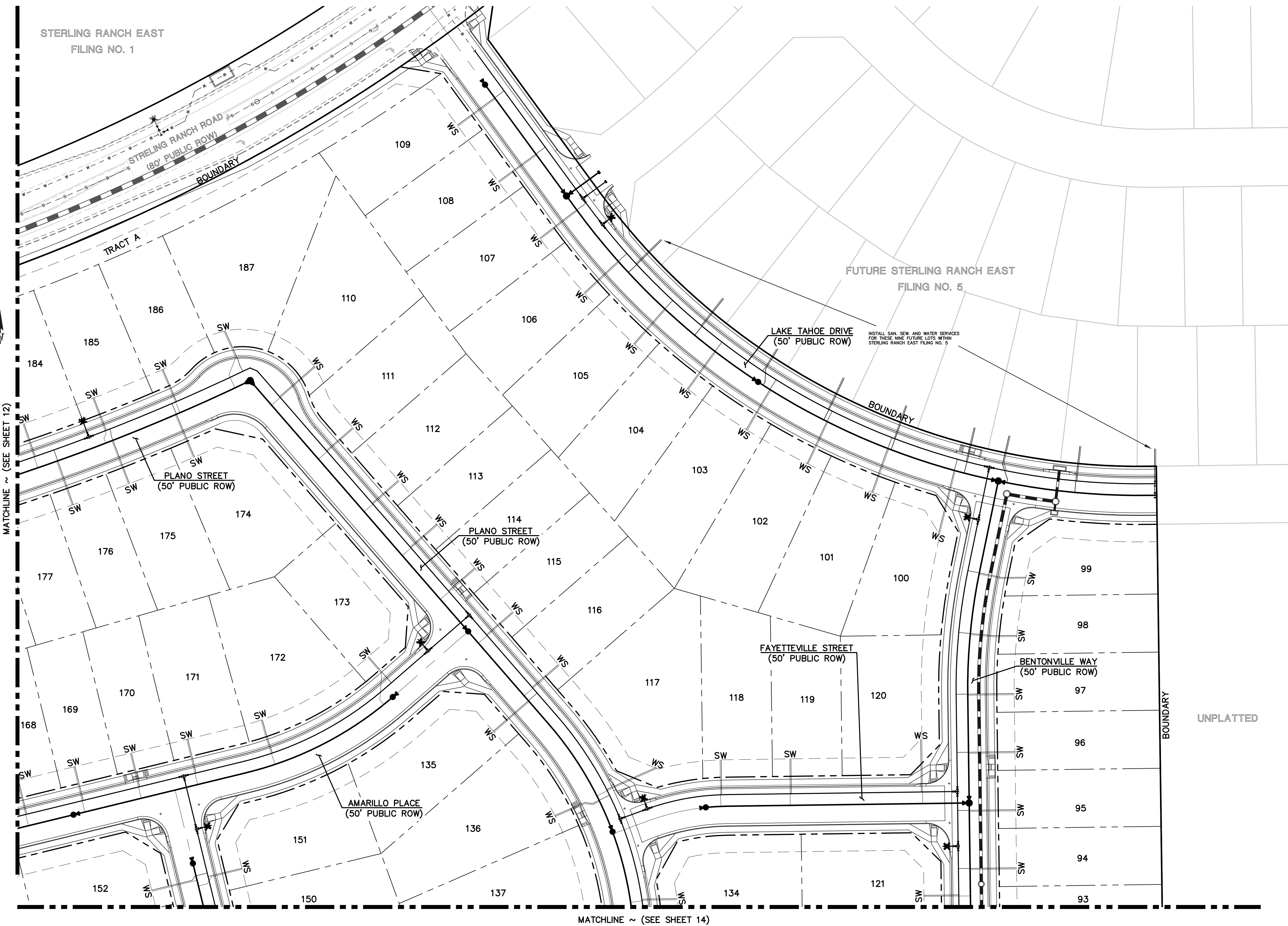
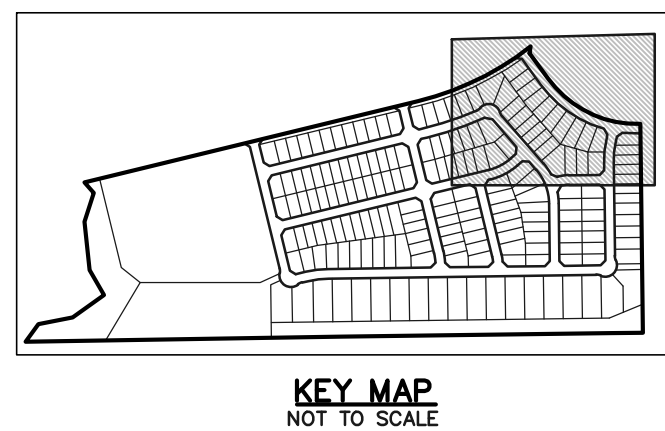
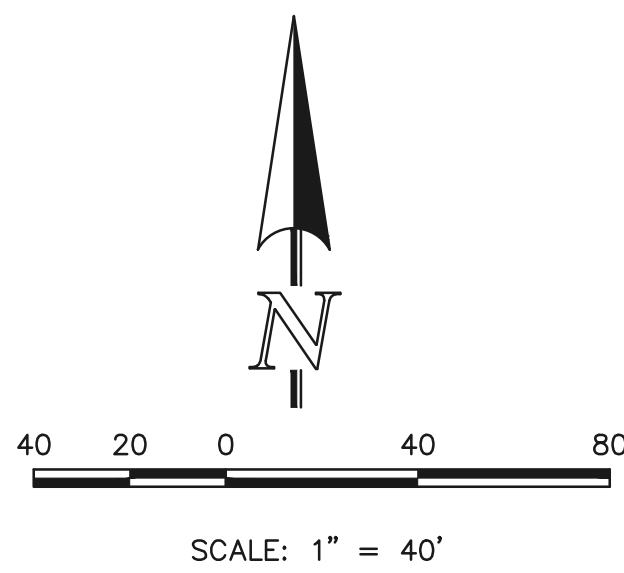
MARC A. WHORTON, COLORADO LICENSE #37155

DATE: 2/20/2025

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

| | | | |
|-------------------------------------|--------------|--------------|----------------|
| STERLING RANCH EAST FILING NO. 3 | | | |
| UTILITY SERVICE PLAN | | | |
| DESIGNED BY | ESO | SCALE | DATE 3/22/2024 |
| DRAWN BY | ESO | (H) 1" = 40' | SHEET 15 OF 16 |
| CHECKED BY | (V) 1" = N/A | JOB NO. | 1183.33 |

CLASSIC CONSULTING ENGINEERS & SURVEYORS



LEGEND

| | | | |
|--|------------------------------|--|------------------------------|
| | PROPOSED FIRE HYDRANT | | EXISTING FIRE HYDRANT |
| | PROPOSED WATER MAIN | | EXISTING WATER MAIN |
| | PROPOSED SANITARY SEWER MAIN | | EXISTING SANITARY SEWER MAIN |
| | PROPOSED STORM SEWER | | EXISTING STORM SEWER |
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MARC A. WHORTON, COLORADO #37155

DATE: 2/20/2025

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

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Colorado Springs, Colorado 80903

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STERLING RANCH EAST
FILING NO. 3

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| DRAWN BY | ESO | (H) 1" = 40' | SHEET | 16 OF 16 |
| CHECKED BY | (V) | 1" = N/A | JOB NO. | 1183.33 |



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