

VICINITY MAP  
SCALE: NTS

## LEGEND

|  |                                                                                                |
|--|------------------------------------------------------------------------------------------------|
|  | PROPOSED BUILDING                                                                              |
|  | EXISTING FIRE HYDRANT                                                                          |
|  | EXISTING WATER VALVE                                                                           |
|  | EXISTING SANITARY SEWER MANHOLE                                                                |
|  | EXISTING STORM SEWER MANHOLE                                                                   |
|  | EXISTING GRATED INLET                                                                          |
|  | EXISTING LIGHT POLE                                                                            |
|  | LIGHTPOLE, SEE SITE LIGHTING PLAN FOR LAYOUT                                                   |
|  | PROPOSED ELECTRIC TRANSFORMER                                                                  |
|  | UTILITY TEST HOLE LOCATION                                                                     |
|  | EXISTING FACILITIES TO BE DEMOLISHED                                                           |
|  | APPROXIMATE LIMITS OF DISTURBANCE AND REMOVAL UTILITY WORK LIMITS MAY VARY FROM WHAT IS SHOWN. |
|  | EXISTING DECIDUOUS TREE                                                                        |
|  | EX. DECIDUOUS TREE TO BE REMOVED OR RELOCATED                                                  |
|  | EXISTING CONIFEROUS TREE                                                                       |
|  | EX. CONIFEROUS TREE TO BE REMOVED OR RELOCATED                                                 |
|  | EXISTING OR PROPOSED PROPERTY LINE                                                             |
|  | EXISTING EASEMENT                                                                              |
|  | PROPOSED EASEMENT                                                                              |
|  | EXISTING CHAIN LINK FENCE                                                                      |
|  | PROPOSED FENCE OR RAILING                                                                      |
|  | EXISTING WATER LINE                                                                            |
|  | EXISTING SANITARY SEWER & FLOW DIRECTION                                                       |
|  | EXISTING STORM SEWER                                                                           |
|  | EXISTING UNDERGROUND ELECTRIC LINE                                                             |
|  | EXISTING UNDERGROUND TELEPHONE LINE                                                            |
|  | EXISTING FIBER OPTIC LINE                                                                      |
|  | EXISTING GAS LINE                                                                              |
|  | PROPOSED SANITARY SERVICE AND CLEAN OUT                                                        |
|  | PROPOSED WATER LINE OR SERVICE AND VALVE                                                       |
|  | PROPOSED SANITARY SEWER AND MANHOLE                                                            |

VARIANCES:

1) TC26-00XX: SANITARY SEWER MANHOLE AND PIPE DEPTH: SANITARY MANHOLE AND PIPES DEEPER THAN 20- FEET SHALL REQUIRE A VARIANCE REQUEST. ONE PROPOSED MANHOLE IS 20.6- FEET DEEP AND PORTIONS OF THE ATTACHED PIPES ARE ALSO GREATER THAN 20- FEET DEEP.

**Kiowa**  
Engineering Corporation  
5951 Middlefield Road, Suite 200  
Littleton, Colorado 80123  
(303) 692-0369



## REVISIONS

|                  |            |
|------------------|------------|
| DATE ISSUED:     | 10/24/2025 |
| REVIEWED BY:     | MWE        |
| DRAWN BY:        | AMD        |
| DESIGNED BY:     | JIM        |
| PROJECT NUMBER:  |            |
| 20611004000      |            |
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SEAL:

THIS DRAWING HAS BEEN PREPARED  
UNDER THE DIRECTION OF

AND IS NOT FOR REGULATORY  
APPROVAL, PERMITTING, OR  
CONSTRUCTION.

**SHEET TITLE:**  
COVER SHEET

**SHEET ID:**

OF 8

**PROJECT STATUS:**  
Construction Documents

I hereby affirm that these final construction plans were prepared under my direct supervision, in accordance with all applicable Town of Castle Rock and State of Colorado standards and statutes, respectively; and that I am fully responsible for all design and revisions relative to said plans.

Approved By

Development Services:

Date \_\_\_\_\_

Date \_\_\_\_\_

**CIVIL ENGINEER:**  
Kiowa Engineering Corporation  
5951 Middlefield Rd, Suite 200  
Littleton, CO 80123  
303-692-0369  
Contact: Jake McMillen, PE

**OWNER:**  
Castle Rock Fire and Rescue  
300 Perry Street  
Castle Rock, CO 80104  
303-660-1066  
Contact: Chief Norris Croom

**ARCHITECT:**  
RS&H  
102 East Moreno Avenue  
Colorado Springs, CO 80903  
719-473-7063  
Contact: Tino Leone

## PRE-EXCAVATION CHECKLIST

- ☐ GAS AND OTHER UTILITY LINES OF RECORD SHOWN ON PLANS.
- ☐ UTILITIES CENTRAL LOCATING CALLED AT LEAST 2 BUSINESS DAYS AHEAD.
- ☐ UTILITIES LOCATED AND MARKED.
- ☐ EMPLOYEES BRIEFED ON MARKING AND COLOR CODES.
- ☐ EMPLOYEES TRAINED ON EXCAVATION AND SAFETY PROCEDURES FOR NATURAL GAS LINES.
- ☐ WHEN EXCAVATION APPROACHES GAS LINES, EMPLOYEES EXPOSE LINES BY CAREFUL PROBING AND HAND DIGGING.

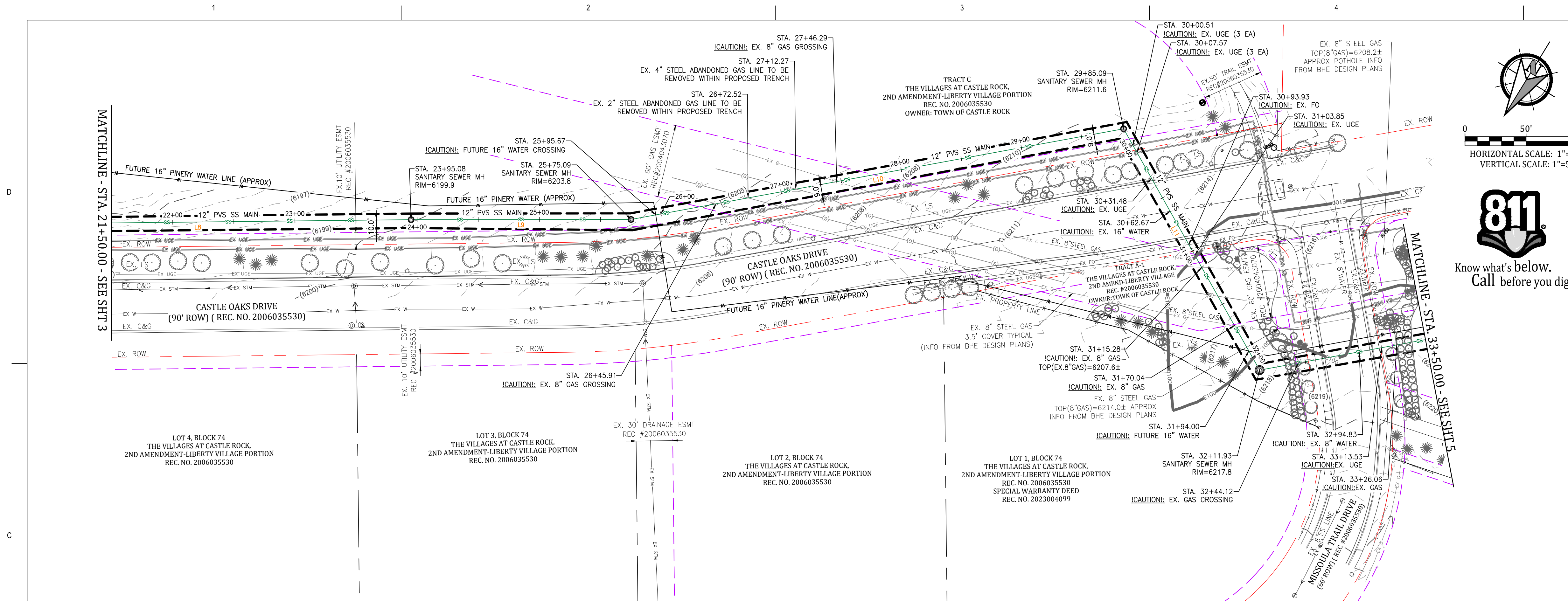
| *A.G.A./A.P.W.A. STANDARD UTILITY MARKING COLOR CODE |        |            |       |
|------------------------------------------------------|--------|------------|-------|
| NATURAL GAS                                          | YELLOW | WATER      | BLUE  |
| ELECTRIC                                             | RED    | WASTEWATER | GREEN |



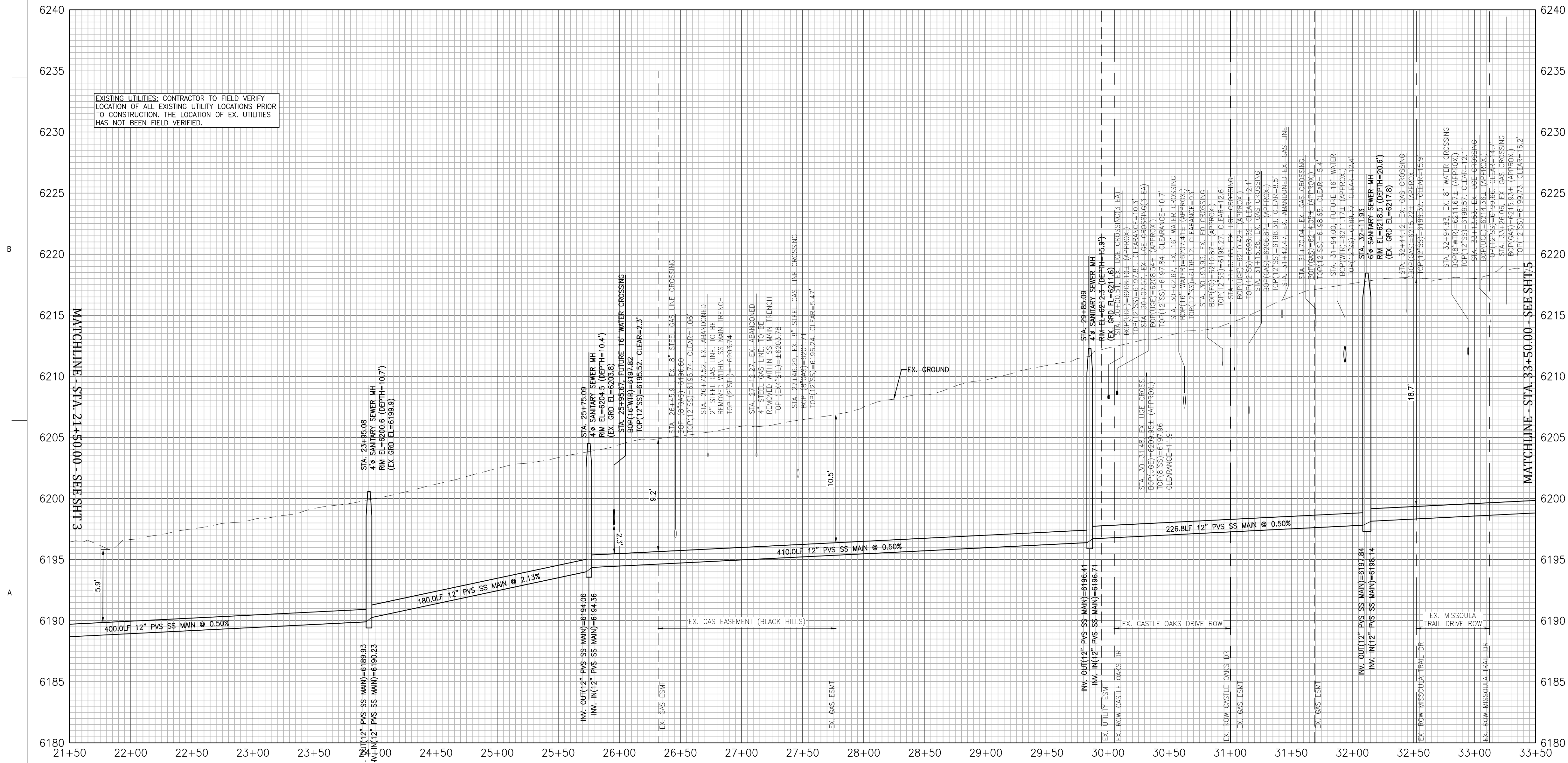
Know what's below.  
Call before you dig







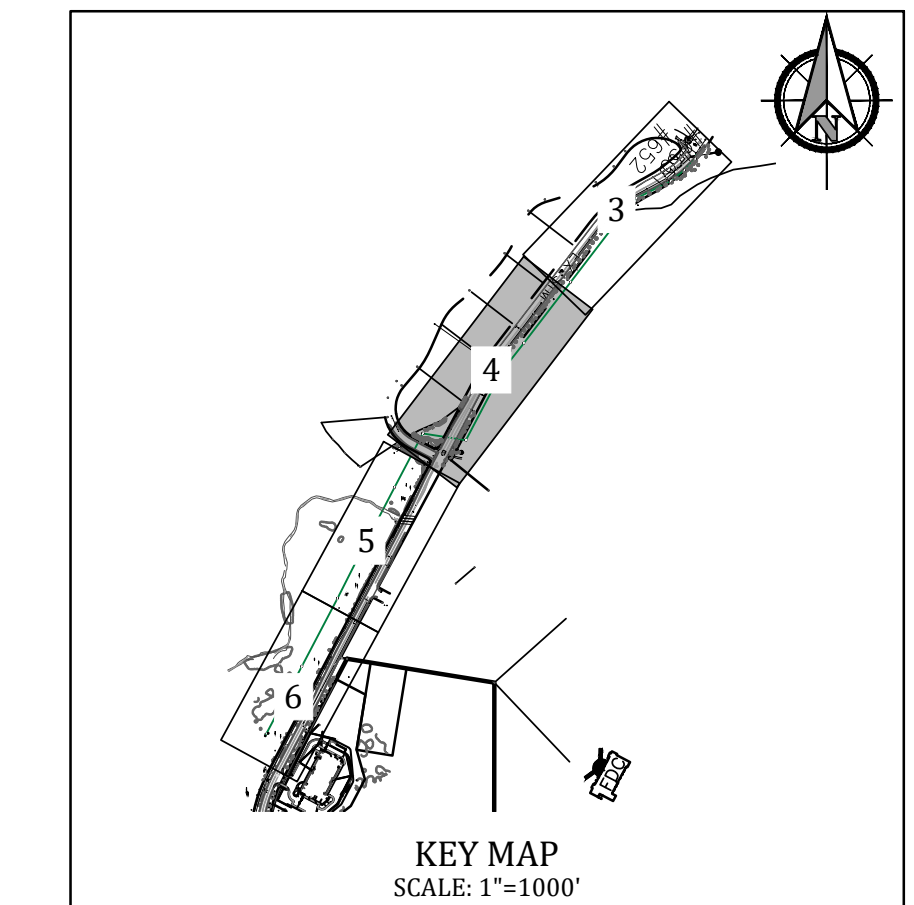
SANITARY SEWER MAIN EXTENSION PROFILE



**LEGEND**

PROPOSED BUILDING  
EXISTING FIRE HYDRANT  
EXISTING WATER VALVE  
EXISTING SANITARY SEWER MANHOLE  
EXISTING STORM SEWER MANHOLE  
EXISTING LIGHT POLE  
UTILITY TESTHOLE LOCATION

EXISTING CONTOURS  
EXISTING OR PROPOSED PROPERTY LINE  
EXISTING EASEMENT  
PROPOSED EASEMENT  
EXISTING 100-YR FLOODPLAIN  
EXISTING WATER LINE  
EXISTING SANITARY SEWER & FLOW DIRECTION  
EXISTING STORM SEWER  
EXISTING UNDERGROUND ELECTRIC LINE  
EXISTING UNDERGROUND TELEPHONE LINE  
EXISTING FIBER OPTIC LINE  
EXISTING GAS LINE  
EXISTING ABANDONED GAS LINE  
PROPOSED SANITARY SERVICE AND CLEAN OUT  
PROPOSED WATER LINE OR SERVICE AND VALVE  
PROPOSED FIRE HYDRANT  
PROPOSED SANITARY SEWER AND MANHOLE  
LIMITS OF CONSTRUCTION



| LINE TABLE: ALIGNMENT |          |                  |
|-----------------------|----------|------------------|
| LINE #                | DISTANCE | BEARING          |
| L8                    | 400.00   | S37° 29' 15.98"W |
| L9                    | 180.02   | S38° 03' 37.68"W |
| L10                   | 410.00   | S27° 41' 02.98"W |
| L11                   | 226.84   | N81° 17' 08.06"E |

- NOTES:**
- WHERE THE SANITARY MAIN IS WITHIN 10-FOOT OF AN EXISTING TREE, THE TREE SHALL BE EITHER REPLANTED OR REPLACED TO A DISTANCE OF 10-FOOT AWAY FROM THE SANITARY LINE.
  - AT ALL INSTANCES WHERE A SANITARY SEWER MAIN CROSSES A WATER MAIN OR STORM SEWER, REGARDLESS OF VERTICAL CLEARANCE, AND WHICH PIPE CROSSES OVER THE OTHER, ONE FULL STANDARD-LENGTH SECTION OF SEWER PIPE SHALL BE LOCATED SUCH THAT BOTH JOINTS WILL BE AS FAR FROM THE WATER MAIN OR STORM SEWER CROSSING AS POSSIBLE.
  - PIPE MATERIAL FOR SDR 26 PVC SHALL CONFORM TO ASTM D-3034, IF ANY PORTION OF A SANITARY SEWER BETWEEN ANY TWO MANHOLES IS MORE THAN 20 FEET DEEP FROM INVERT TO FINISHED GRADE, THE ENTIRE SECTION OF SANITARY SEWER BETWEEN THE MANHOLES SHALL BE SDR 26 PVC PIPE.
  - CLASS B BEDDING MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE TOWN'S STANDARDS.
  - MANHOLES SHALL BE 6-FOOT DIAMETER WITH AN 8-FOOT DIAMETER BASE AND A 30" FRAME AND COVER.
  - "RISER-WRAP"™ IS MANUFACTURED BY PIPELINE SEAL AND INSULATOR, INC. (PSI) OR APPROVED EQUAL SHALL BE APPLIED TO EACH MANHOLE SECTION BEFORE IT IS SET IN PLACE TO REDUCE SKIN FRICTION AND MITIGATE DIFFERENTIAL STRESSES ON THE MANHOLE.
  - ALL MANHOLES LOCATED OUTSIDE DEDICATED PAVED RIGHT-OF-WAY SHALL BE DESIGNED AND CONSTRUCTED WITH A LOCKING-TYPE COVER AND THE MANHOLE RING BOLTED TO THE MANHOLE CONE, AND THE MANHOLE LID SHALL BE RAISED IN ACCORDANCE WITH THE TOWN'S STANDARD DETAIL MARKER POSTS IN ACCORDANCE WITH THE TOWN'S STANDARD DETAILS SHALL BE INSTALLED TO MARK THE LOCATION OF MANHOLES OUTSIDE OF PAVEMENT.

**PROFESSIONAL ENGINEER CERTIFICATION**

I hereby affirm that these final construction plans were prepared under my direct supervision, in accordance with all applicable Town of Castle Rock and State of Colorado standards and statutes, respectively, and that I am fully responsible for all design and revisions relative to said plans.

Jacob McMillen, PE #56736 Date

**TOWN OF CASTLE ROCK APPROVAL**

PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

Approved By: Development Services Date

**RS&H**

102 East Moreno Avenue  
Colorado Springs, CO 80903  
719-473-7063  
www.rsandh.com

**Kiowa**  
Engineering Corporation

5951 Middlefield Road, Suite 200  
Littleton, Colorado 80120  
(303) 692-0369



**PROJECT TITLE:**  
CASTLE ROCK FIRE STATION 156 & LOGISTICS

**PROJECT ADDRESS:**  
COBBLESTONE OPEN SPACE - CASTLE OAKS DRIVE

| REVISIONS |             |      |
|-----------|-------------|------|
| NO.       | DESCRIPTION | DATE |
|           |             |      |
|           |             |      |
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SANITARY SEWER MAIN EXTENSION PLAN & PROFILE

**SHEET ID:**

**4**  
OF 8

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Construction Documents







