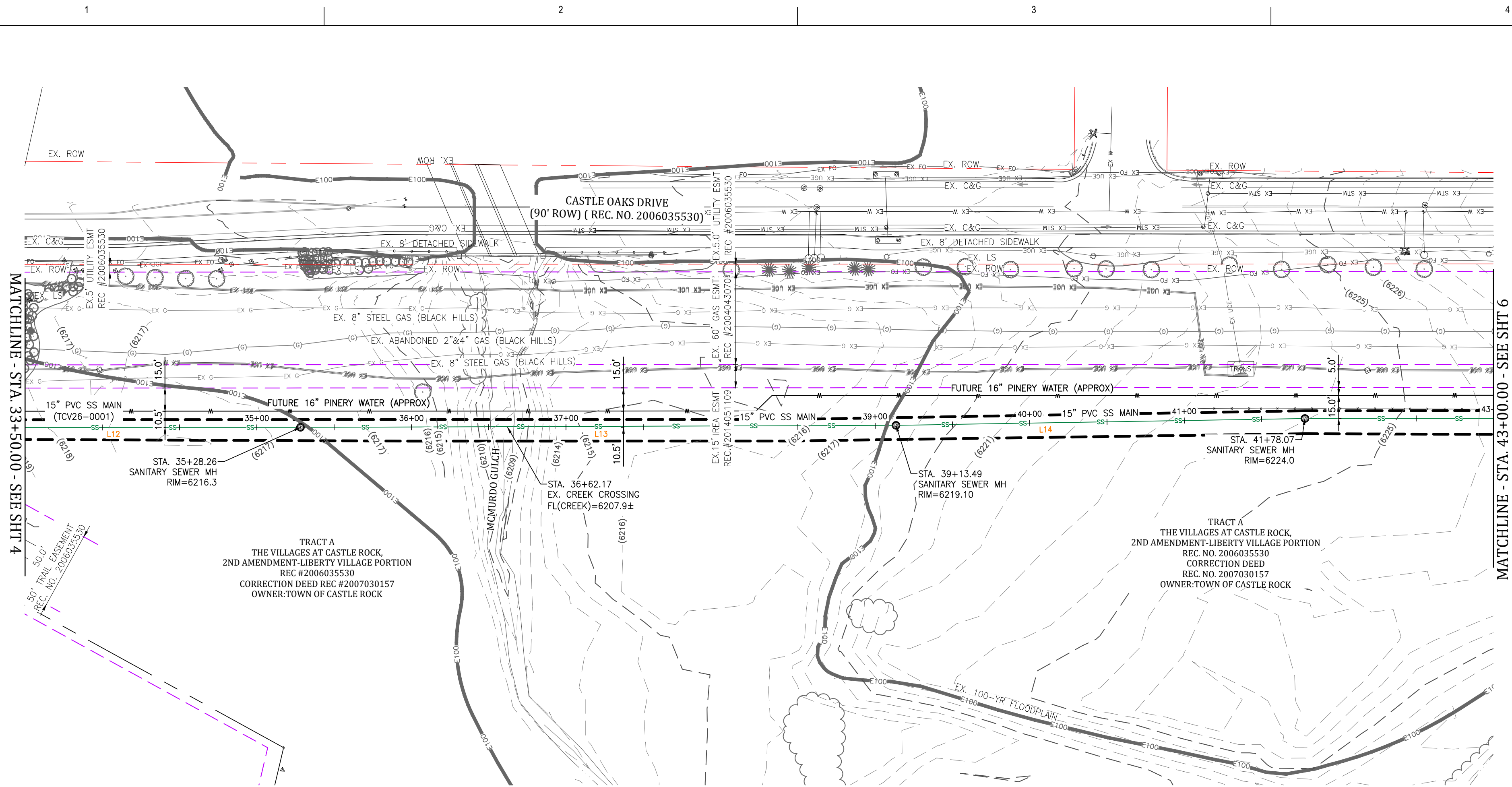
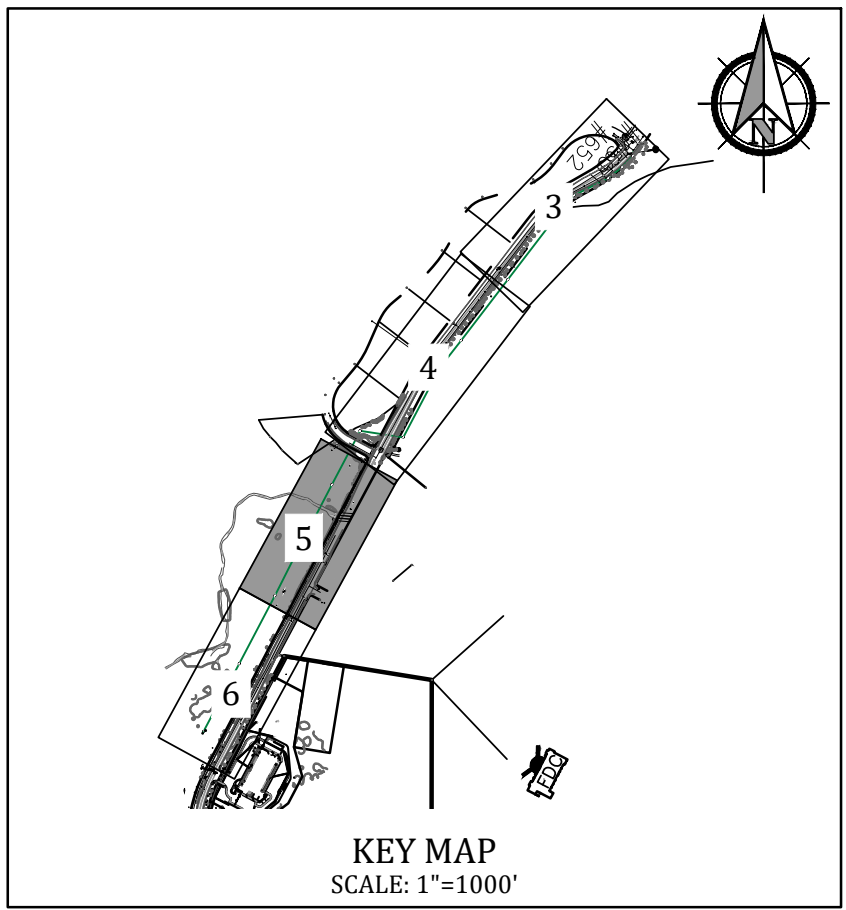




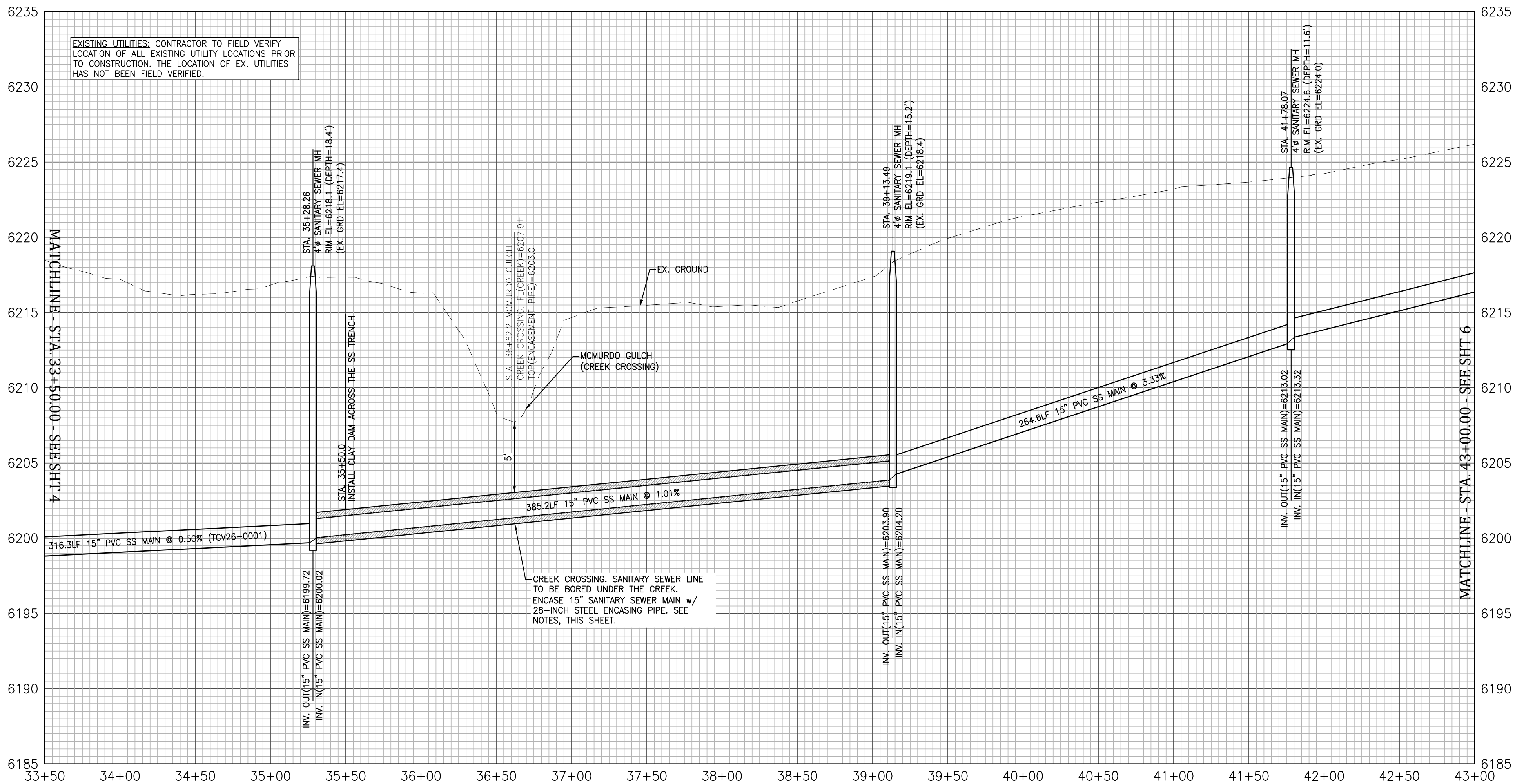


LEGEND

- 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



SANITARY SEWER MAIN EXTENSION PROFILE



- 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.
 - 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.
 - FOR SEWERS AND MANHOLES GREATER THAN 20'-FT DEPTH:
 - 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 SEGMENT 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"™ AS 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.

PIPE ENCASUREMENT NOTES:

- MINIMUM CASING PIPE OUTSIDE DIAMETER=28-INCHES.
- CARRIER PIPE SHALL BE SLEEVED, SEALED, AND FULLY RESTRAINED WITHIN THE CASING PIPE IN ACCORDANCE WITH TOWN OF CASTLE ROCK STANDARD DETAILS.
- CASING PIPE SHALL BE SMOOTH-WALLED, NON-COATED PIPE OF WELDED STEEL CONSTRUCTION CONFORMING TO ANSI/AWWA C200, AND SHALL BE SEAMLESS OR STRAIGHT SEAM STEEL PIPE WITH MINIMUM YIELD STRENGTH OF 35,000 PSI.
- THE CASING PIPE SHALL BE CONSTRUCTED OF NEW MATERIAL AND HAVE A MINIMUM WALL THICKNESS OF 0.406-INCHES.
- CASING PIPE SHALL BE CATHODICALLY PROTECTED BY BURYING A PAIR OF SACRIFICIAL ANODES TEN FEET FROM EACH END OF THE CASING.
 - ANODE WIRES SHALL PASS FROM THE CASING PIPE TO TERMINAL BOARDS INSIDE SURFACE-MOUNTED CAST IRON LIDS AT EACH CASING END, AND THEN ON TO THE ANODES THEMSELVES.
 - ALL ANODES SHALL BE BURIED VERTICALLY OR HORIZONTALLY WITH THE TOP OF THE ANODES SET AT A DEPTH EQUAL TO THE CASING SPRING-LINES.
 - ANODE PAIRS SHALL BE OFFSET PERPENDICULARLY FIVE FEET AWAY FROM THE CASING PIPE, AND SHALL BE PLACED IN NATIVE SOILS, NOT IMPORTED BACKFILLS.

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 construction reviews relative to said plans.

Jacob McMillen
Jacob McMillen, PE #56736 Date: 04/02/2026

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

Approved By: *By jkirpatrick*
By jkirpatrick on 04/06/2026
APPROVED-C025-0071 Plans.pdf
Record Document on File Date: _____

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Kiowa
Engineering Corporation

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



PROJECT TITLE:
CASTLE ROCK FIRE STATION 156 & LOGISTICS
SANITARY SEWER MAIN EXTENSION

PROJECT ADDRESS:
COBBLESTONE OPEN SPACE - CASTLE OAKS DRIVE

REVISIONS		
NO.	DESCRIPTION	DATE

DATE ISSUED: 04/02/2026
REVIEWED BY: MWE
DRAWN BY: AMD
DESIGNED BY: JIM
PROJECT NUMBER: 20611004000
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SEAL:

SHEET TITLE:
SANITARY SEWER MAIN EXTENSION PLAN & PROFILE

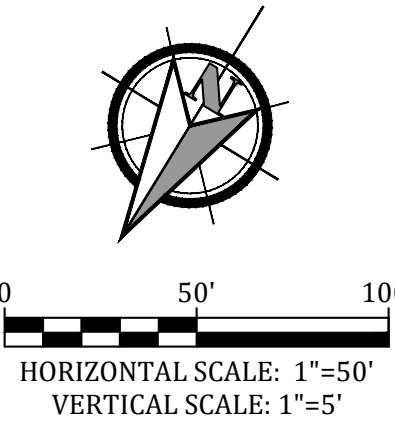
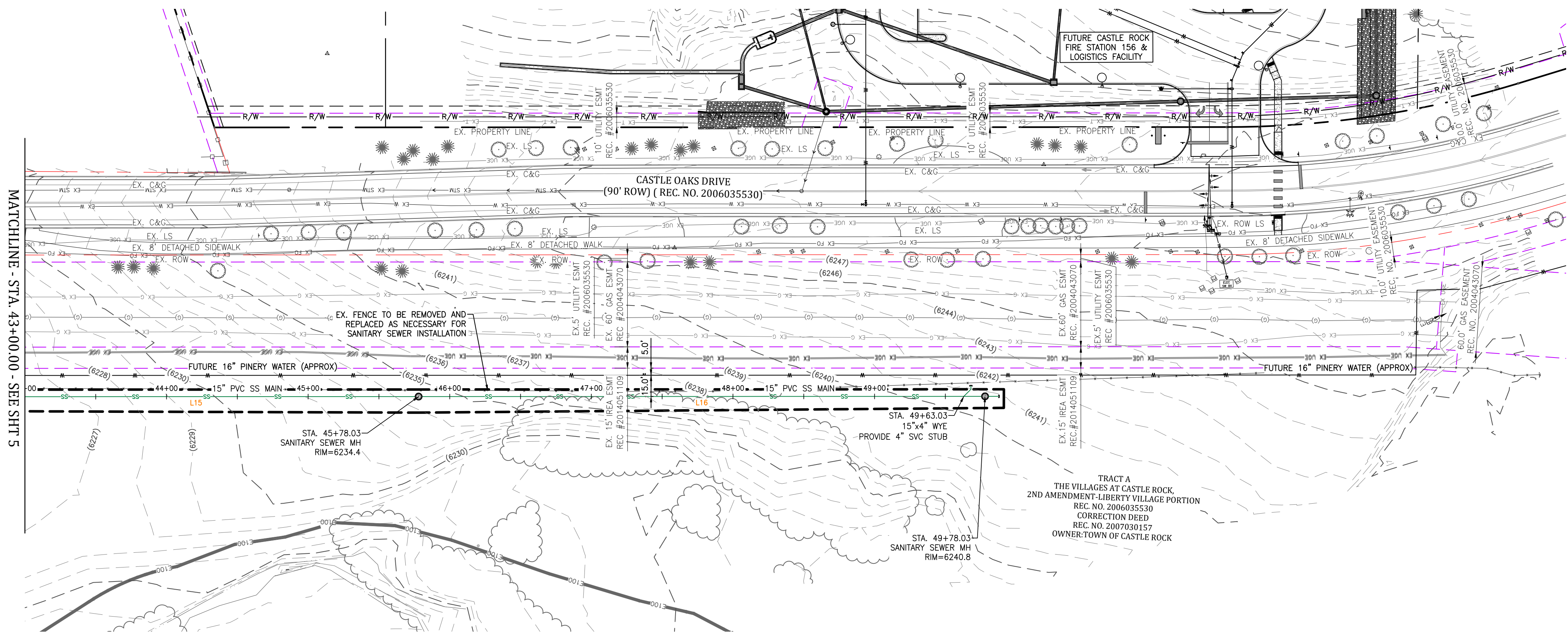
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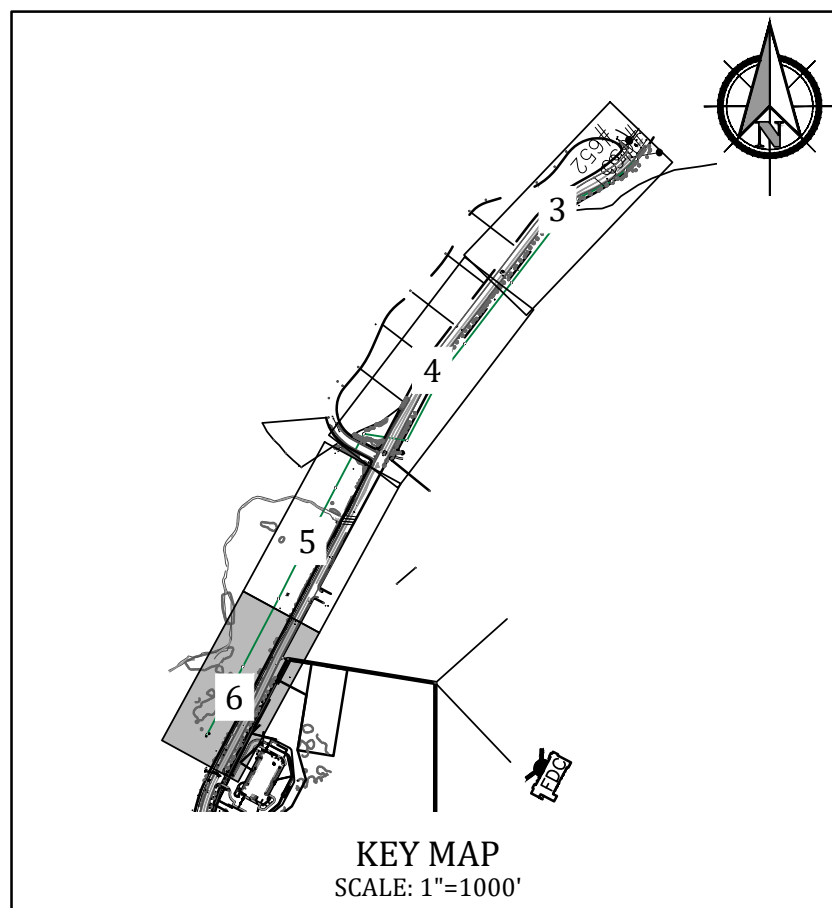
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PROJECT STATUS:
Construction Documents

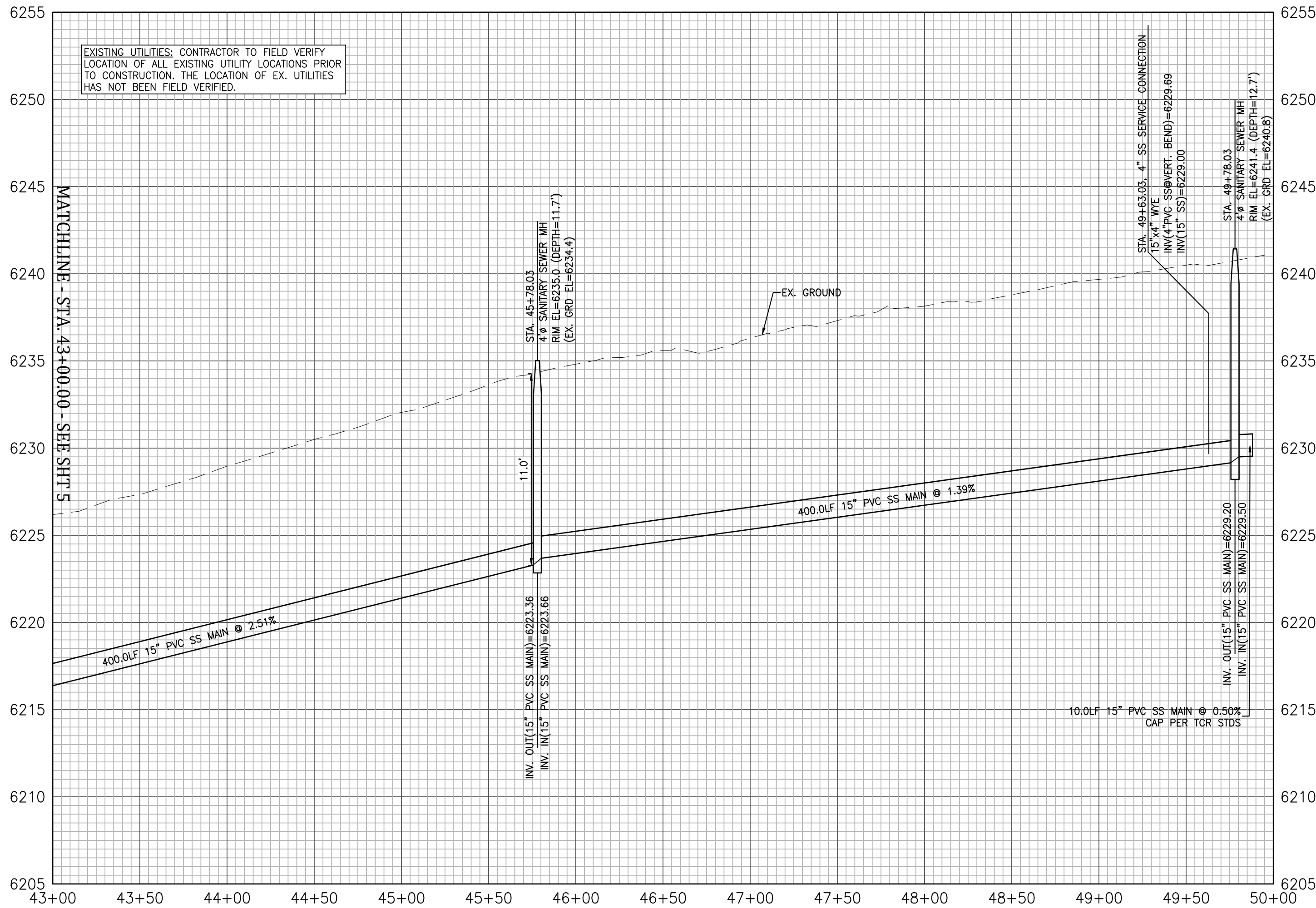




LEGEND	
	PROPOSED BUILDING
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING SANITARY SEWER MANHOLE
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LINE TABLE: ALIGNMENT			
LINE #	DISTANCE	BEARING	
L15	399.96	S27° 41' 44.92"W	
L16	400.00	S27° 41' 44.92"W	

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.

04/02/2026
56736
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: By: on 04/09/2026
APPROVED-CD25-0071 Plans.pdf
Development Services Record Document on File Date



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Kiowa
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5951 Middlefield Road, Suite 200
Littleton, Colorado 80120
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PROJECT TITLE:
CASTLE ROCK FIRE STATION 156 &
LOGISTICS
SANITARY SEWER
MAIN EXTENSION

PROJECT ADDRESS:
COBBLESTONE OPEN SPACE -
CASTLE OAKS DRIVE

REVISIONS

NO.	DESCRIPTION	DATE

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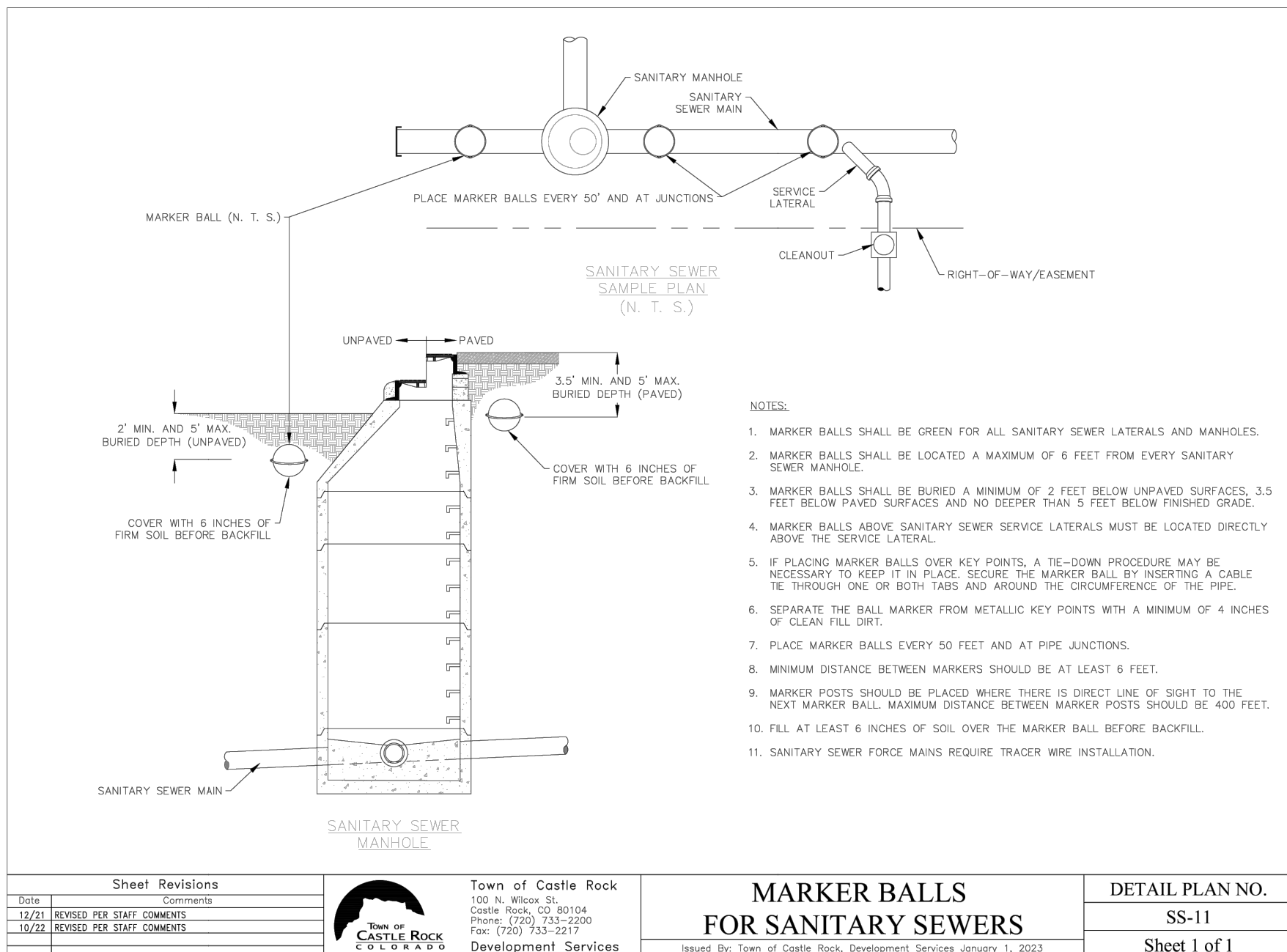
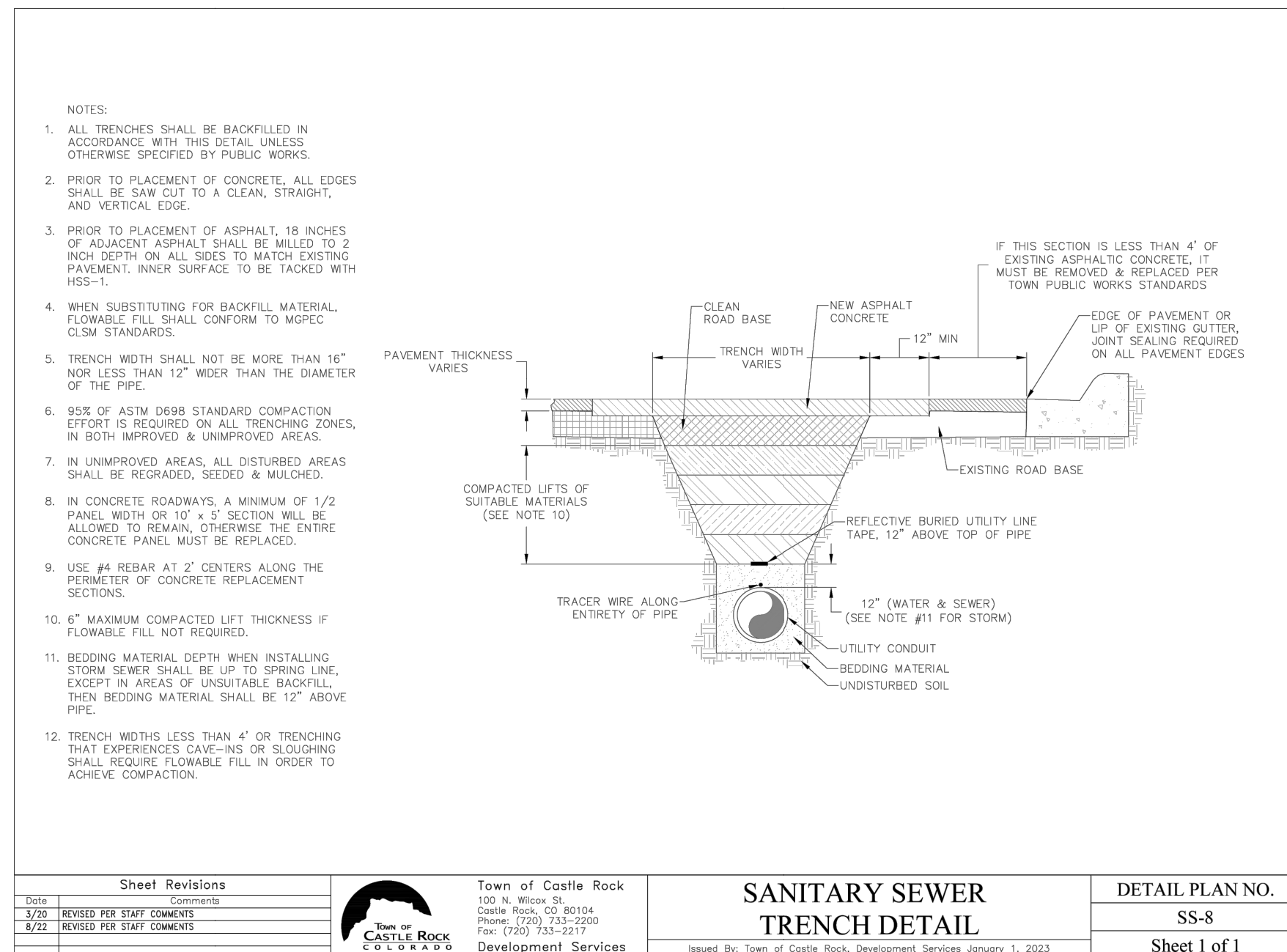
SHEET TITLE:
SANITARY SEWER
MAIN EXTENSION
PLAN & PROFILE

SHEET ID:

6

OF 8

PROJECT STATUS:
Construction Documents



Approved By:  **DEVELOPMENT SERVICES**
APPROVED
 By jkirpatrick
 on 04/06/2026
 APPROVED-CD25-0071. Plans.pdf
Record Document on File

Development Services	Date
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