# PRELIMINARY UTILTY REPORT

for

# QuikTrip No. 4273

### Wolfensberger Road & Caprice Drive Castle Rock, Douglas County, Colorado 80109

Prepared For (Owner/Developer):
QuikTrip Corporation
5725 Foxridge Drive
Mission, Kansas 66202

Prepared By (Engineer):
Midwest Design Group
P.O. Box 860015
Shawnee, Kansas 66286-0015
913.248.9385

**Date Submitted: 04/18/2025** 

**Revisions Log:** 

| Revision No. | Description | Date |
|--------------|-------------|------|
|              |             |      |
|              |             |      |
|              |             |      |

#### **UTILITY REPORT APPROVAL BLOCKS**

#### **Engineer's Statement:**

The enclosed utility report, and exhibits, were prepared by me or under my direct supervision and is correct to the best of my knowledge and belief. Said utility report has been prepared in accordance with applicable Town of Castle Rock criteria and is in conformance with the master utility plans for the affected area. I accept responsibility for any liability caused by negligent acts, errors, or omissions on my part in preparing this report.

Signature: Aland Holling Registered Professional Engineer State Of Colorado No. 0056104

(Affix Seal)

#### **Owner/Developer's Statement:**

As Owner/Developer of Land(s) identified within this report, I agree to proceed, implement and comply with all recommendations and requirements outlined herein.

HOLMAN

PE.0056104

QuikTrip Corporation

Name of Developer

Hara Linbach Real Estate Project Manager

**Authorized Signature** 

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#### PROJECT LOCATION AND DESCRIPTION

QuikTrip Corporation is proposing to build a new convenience store with fuel offerings on the northwest corner of the intersection of Wolfensberger Road and Caprice Drive in Castle Rock, Douglas County, Colorado. This will be an infill development. The existing property is developed commercial land. The property currently contains a former restaurant, a strip center and a restaurant in a standalone structure.

The property is bordered on the north by a commercial property (Safelite AutoGlass), on the west by a commercial property (OYO Hotel), on the east by Caprice Drive, and on the south by Wolfensberger Road.

The QuikTrip development will include a convenience store, auto fuel canopy, parking lot, and private drive entrances. The store will be oriented to face Wolfensberger Road (south) with an auto fuel canopy west of the store. The new QuikTrip facility will be constructed on properties currently platted as Lot 1A, Village North Amended Subdivision Reception #254392 (Parcel #2505-023-12-008) and Lot 1 and Lot 2, William's Subdivision Reception #348102 & Correction #9021814 (Parcel #2505-023-13-012). The entire property is currently zoned B (Business/Commercial) and is also in the Wolfensberger North Overlay District and contains 80,520 s.f. The Site Plan (C100) is included in Appendix C of this report for reference.

#### **CALCULATED WATER DEMANDS**

The following domestic water demands have been calculated using the Town of Castle Rock Water System Design Manual:

Average Day Demand\* (ADD) = 1,200 GPD/Acre X 2 Acre = 2,400 GPD Maximum Day Demand (MDD) = 2,400 GPD X 2.5 = 6,000 GPD Peak Hour Demands (PHD) = 2,400 GPD X 5.5 = 13,200 GPD \*Based on land use of industrial/other commercial.

The following irrigation water demands have been provided by the site irrigation designer:

#### **EXISTING WATER SYSTEM**

From the Town's utility map, there is a 6" PVC water main that reaches the northwest corner of the property, a 12" DIP water main along the north side of Wolfensberger Road and an 8" DIP water main along the west side of Caprice Drive. There appears to be four (4) existing water service lines to this property.

207 W Wolfensberger Road - There is an existing external 1-1/2" commercial water meter with irrigation at the northwest corner of the property that services this former restaurant. This service appears to tap off the existing 6" PVC water main north of the OYO Hotel. This service line and meter will be removed. The existing water main will dead end at an existing fire hydrant.

1001, 1003, 1007 & 1011 Caprice Drive (Strip Center) - The strip center appears to get their water service from the 12" DIP water main along the north side of Wolfensberger Road. The meter appears to be located inside the building. The water service size and meter are unknown. This service line and meter will be removed.

<u>107 W Wolfensberger Road</u> - The existing restaurant at 107 W Wolfensberger Road appears to have two service lines from the existing 8" DIP water main along the west side of Caprice Drive. These two water service lines will be utilized for QuikTrip's domestic and irrigation services, if the size is adequate.

<u>Fire Hydrant Coverage</u> - There are two existing fire hydrants that will provide fire protection for this property. There is an existing fire hydrant at the northwest corner of the property (as mentioned earlier) that is connected to the 6" water main north of the OYO Hotel. There is an existing fire hydrant at the southeast corner of the property that is connected to the 12" water main along the north side of Wolfensberger Road. Both are called out on the Utility Plan.

Fire flow tests need to be performed at each of the existing fire hydrants if current data is not available.

#### PROPOSED WATER SYSTEM

As stated above, QuikTrip will utilize the two existing water service lines that currently service 107 W Wolfensberger Road, if they are adequately sized. Since records are not available indicating the size, QuikTrip will determine the size during subsurface utility exploration (SUE operations). If the service lines are not large enough, they will be capped at the main and new service lines will be tapped.

#### CALCULATED WASTEWATER FLOWS

The following domestic water demands have been calculated using the Town of Castle Rock Wastewater Collection Design Manual:

Average Day Wastewater Flows\* (ADF) =  $600 \text{ GPD/AC} \times 2 \text{ Acres} = 1,200 \text{ GPD} (.0012 \text{ MGD})$ Peaking Factor =  $3.65 \times (0.0012^{-0.168}) = 11.30 > 5$ ; therefore PF = 5Peak Design Flows (PDF) =  $(1,200 \text{ GPD} \times 5) + (1,200 \times 0.10) = 6,120 \text{ GPD} (.00612 \text{ MGD})$ \*Based on land use of industrial/other commercial.

#### **EXISTING WASTEWATER SYSTEM**

There is an existing 8" VCP sanitary sewer main on the north side of the OYO Hotel that extends to the northwest corner of the QuikTrip property. There is an existing 8"VCP sanitary sewer main under Caprice Drive that extends to the northeast corner of the QuikTrip property.

<u>207 W Wolfensberger Road</u> - It is assumed the sanitary sewer service line from the former restaurant at 207 W Wolfensberger Road ties into the main north of the OYO Hotel. The existing sanitary sewer service line will be located during SUE operations. This existing service will be capped at the main. This property has a grease interceptor that will be removed during demolition operations.

1001, 1003, 1007 & 1011 Caprice Drive (Strip Center) - The sanitary sewer service line location for the strip center is unknown. The sanitary sewer service location will be determined during SUE operations. The sewer service line will be disconnected at the main once the location is determined.

107 W Wolfensberger Road - The existing restaurant sanitary sewer service appears to connect to the sanitary sewer main along Caprice Drive. This sewer service will be utilized by QuikTrip. According to the ALTA survey (included in the Appendix), the existing service line size and condition will need to be verified with the SUE operations. There is an existing grease interceptor servicing this property that will be removed during demolition operations.

#### PROPOSED WASTEWATER SYSTEM

As stated above, the existing service line for 107 W Wolfensberger Road will be utilized for the QuikTrip facility if the size and condition are adequate. If the existing sewer service is not of adequate size and condition it will be replaced in its entirety.

#### POTENTIAL PERMITTING REQUIREMENTS

Town of Castle Rock Building Permit Colorado Department of Public Health & Environment (CDPHE)

#### REFERENCES

Town of Castle Rock Wastewater Collection Design Town of Castle Rock Water System Design Colorado Department of Public Health & Environment (CDPHE) Town of Castle Rock Utilities Department

## Wolfensberger Road & Caprice Drive Castle Rock, Douglas County, Colorado 80109

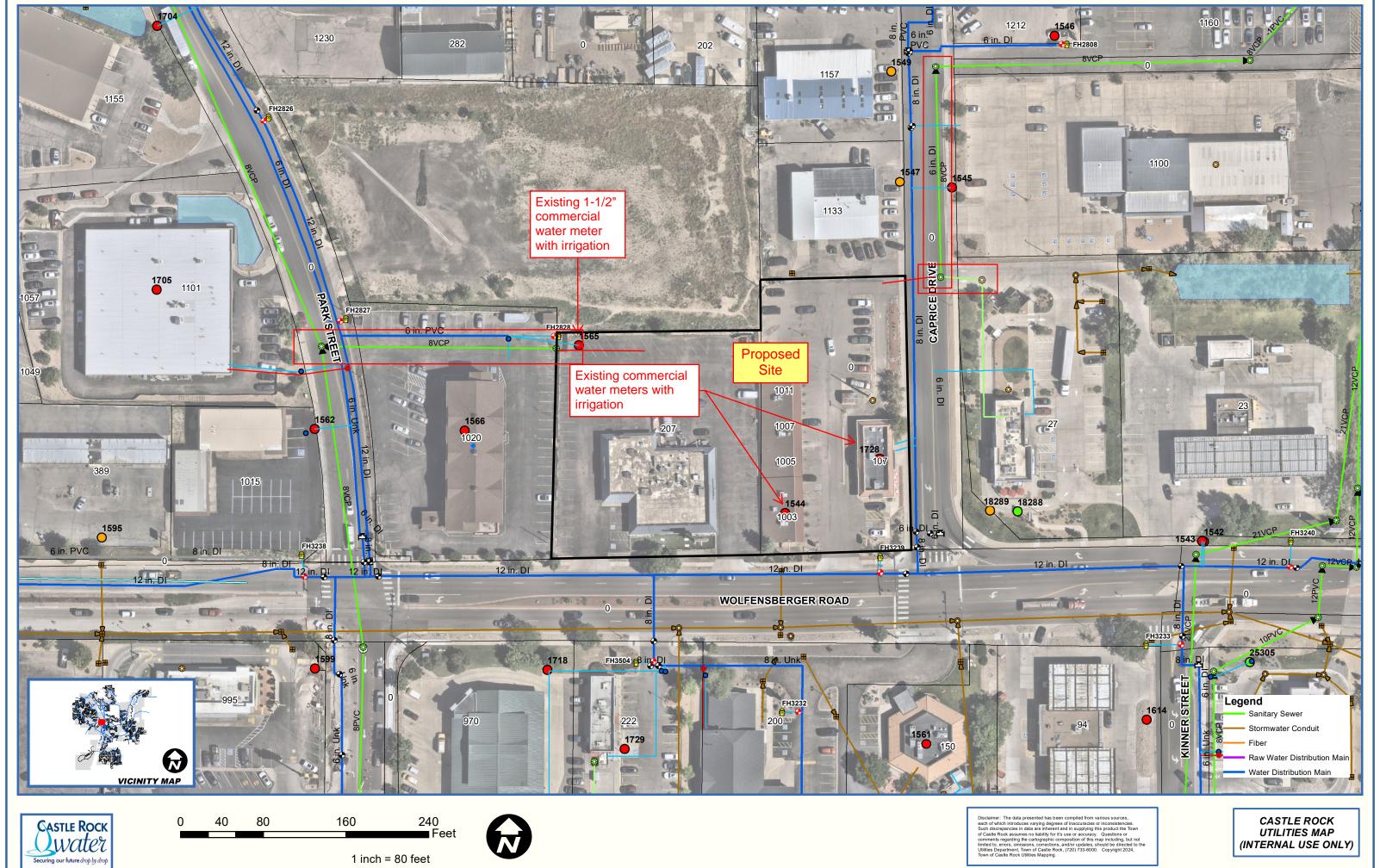
## **APPENDIX A**

Vicinity Map Moore Lumber & Ace Hardware Castle Rock Quality Paint Brands Caprice Dr Malibu St Enterprise Rent-A-Car DCF Guns Calvary Castle Rock Project Location lew Car Wash view Hotel le Rock Downto Jack in the Box Wolfensberger Road McDonald's Starbucks Order on the App & Pick Up Park St Santiago's Mexican Restaurant Balance Fitness -Member access 24/7 Wellspring Community Plum Creek Veterinary Ser Eighth St Eighth St Danny St

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## **APPENDIX B**

**Utility Map** 



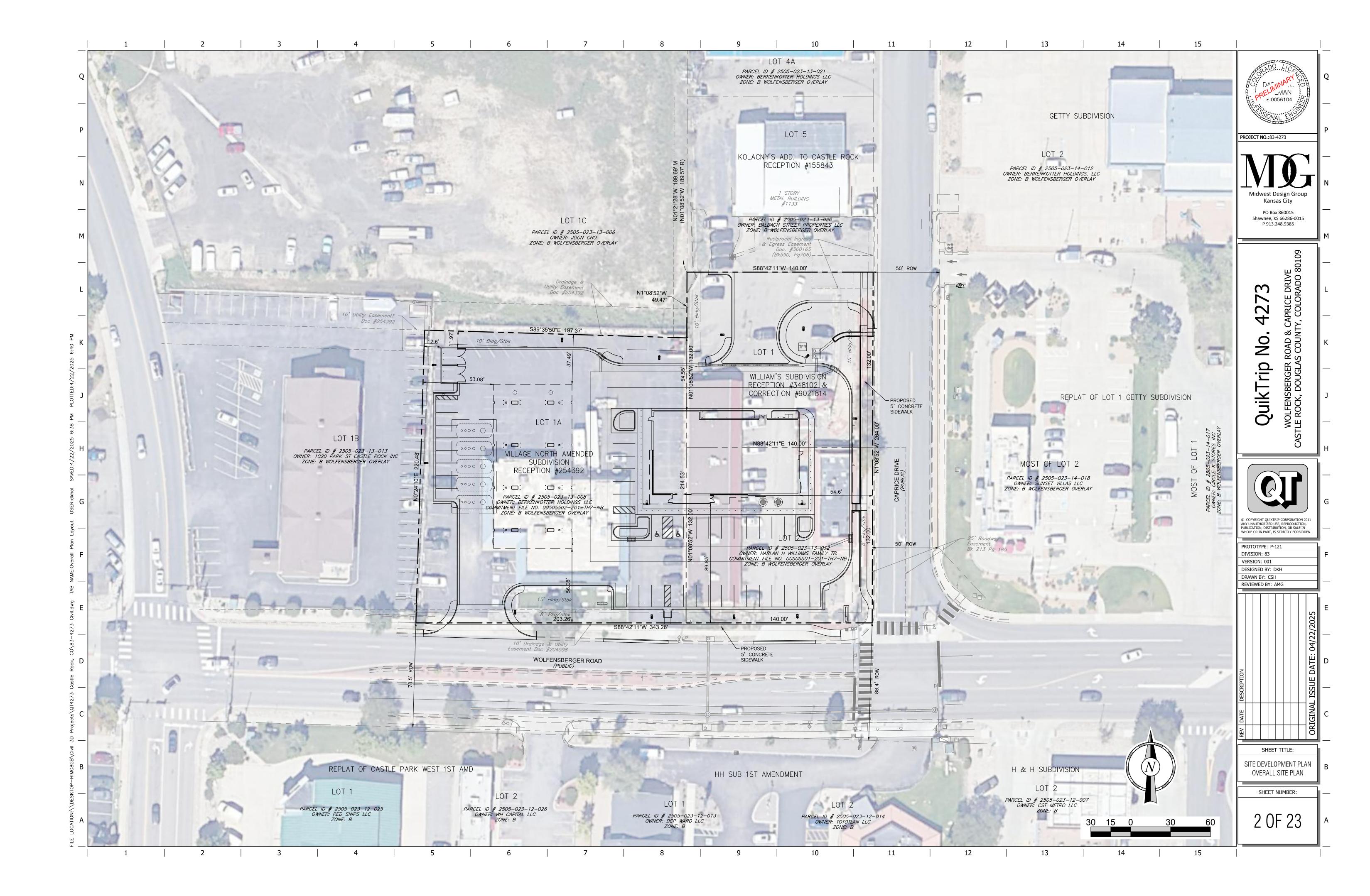
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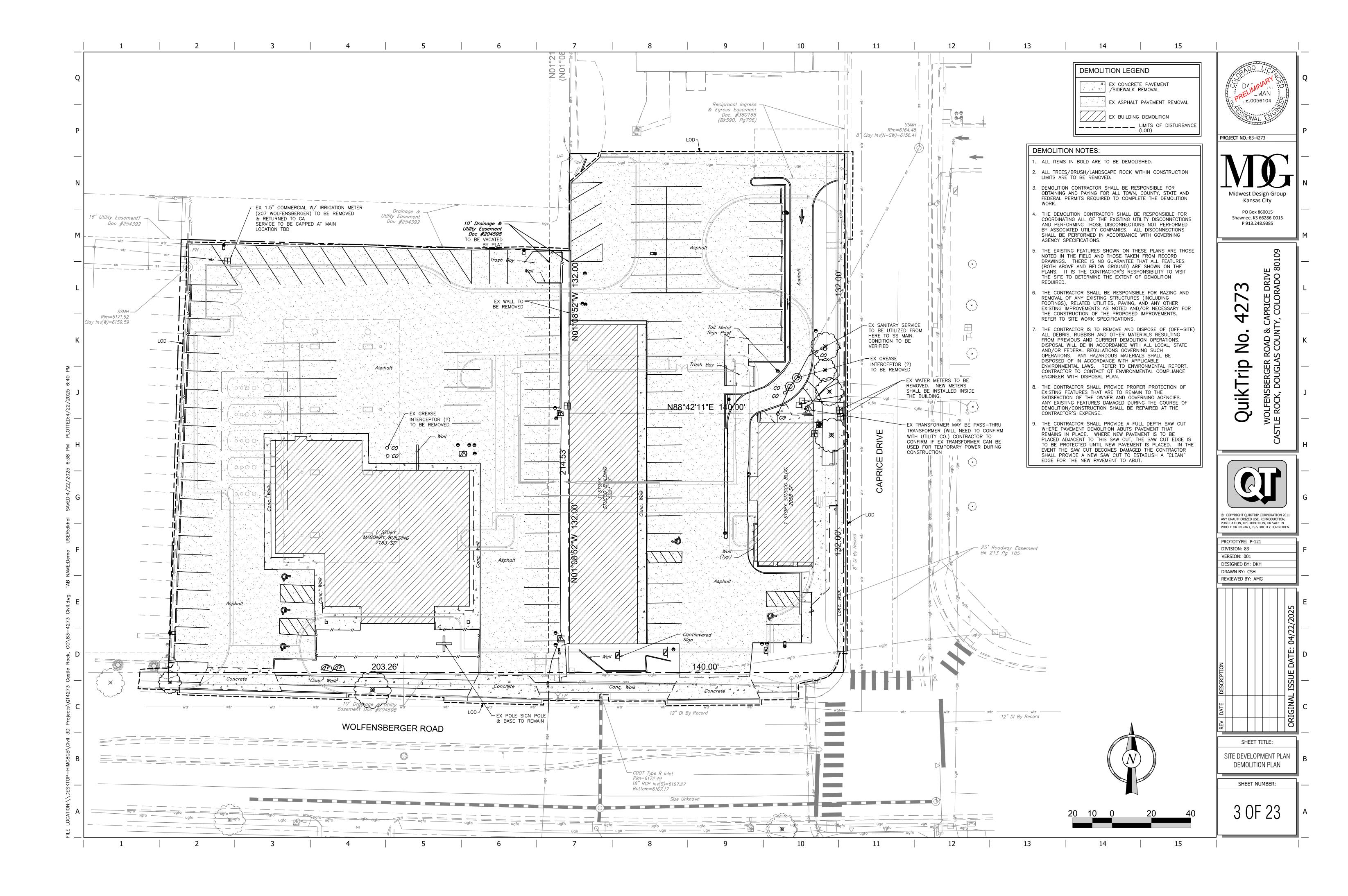
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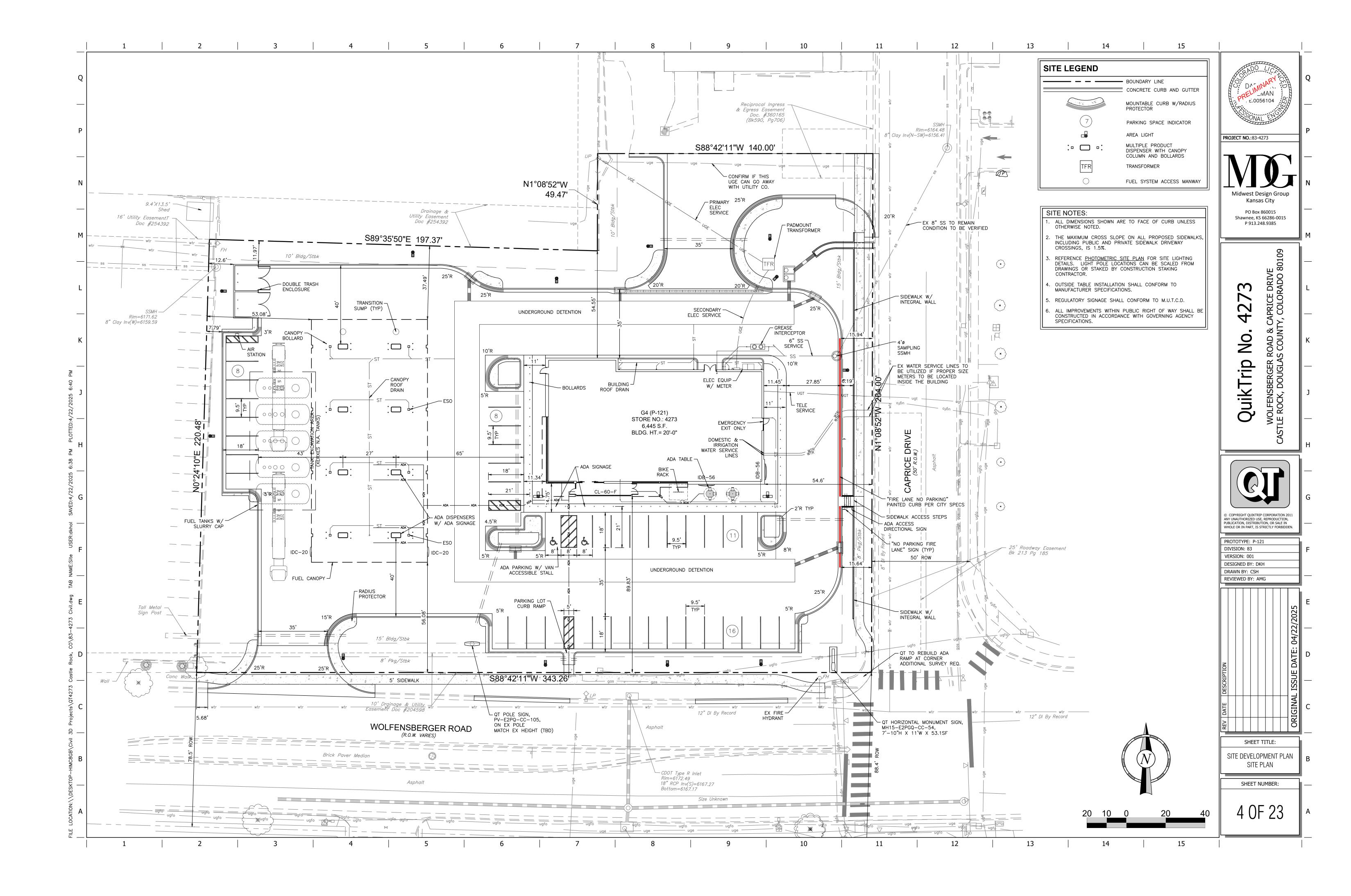
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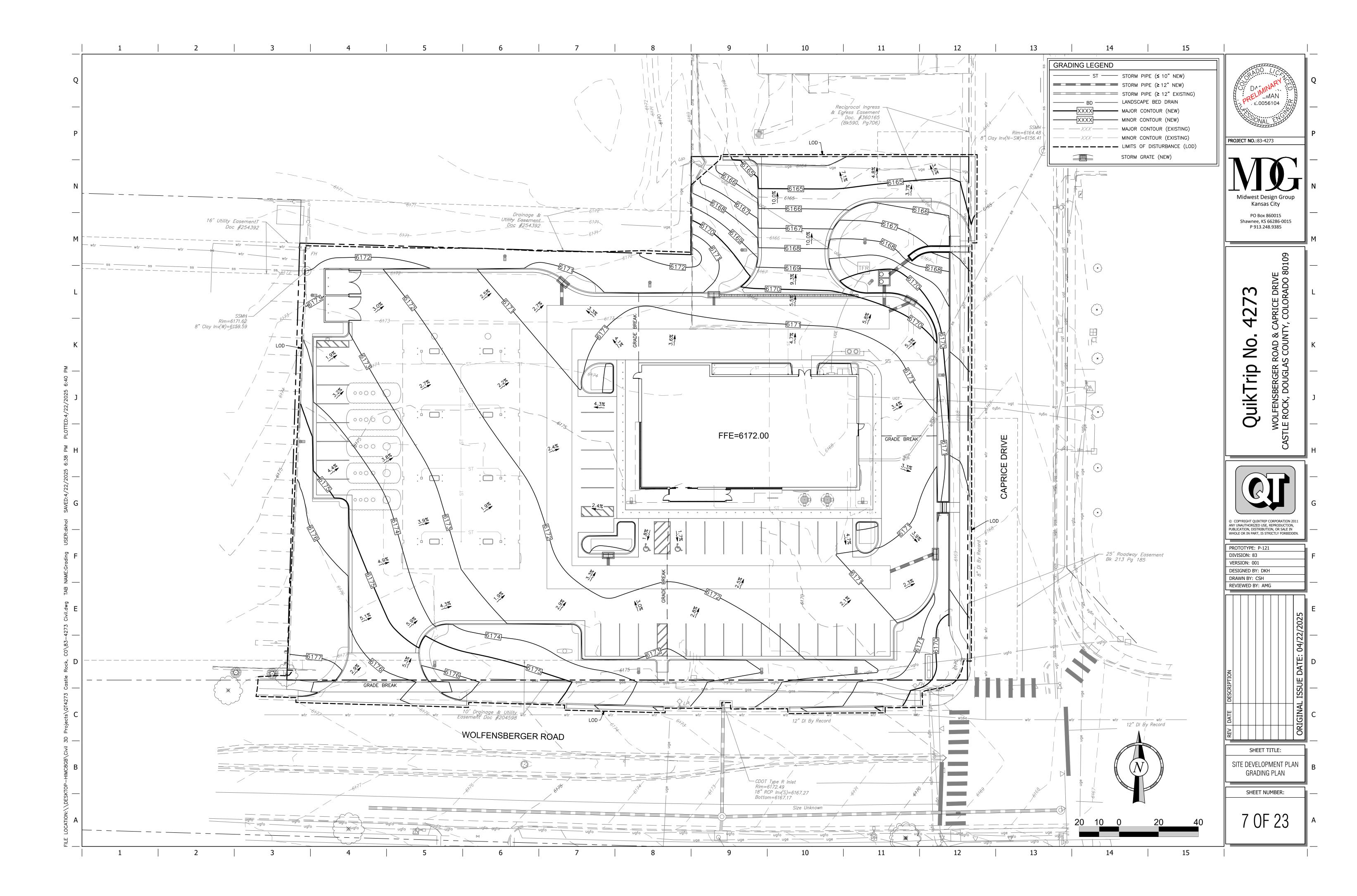
## **APPENDIX C**

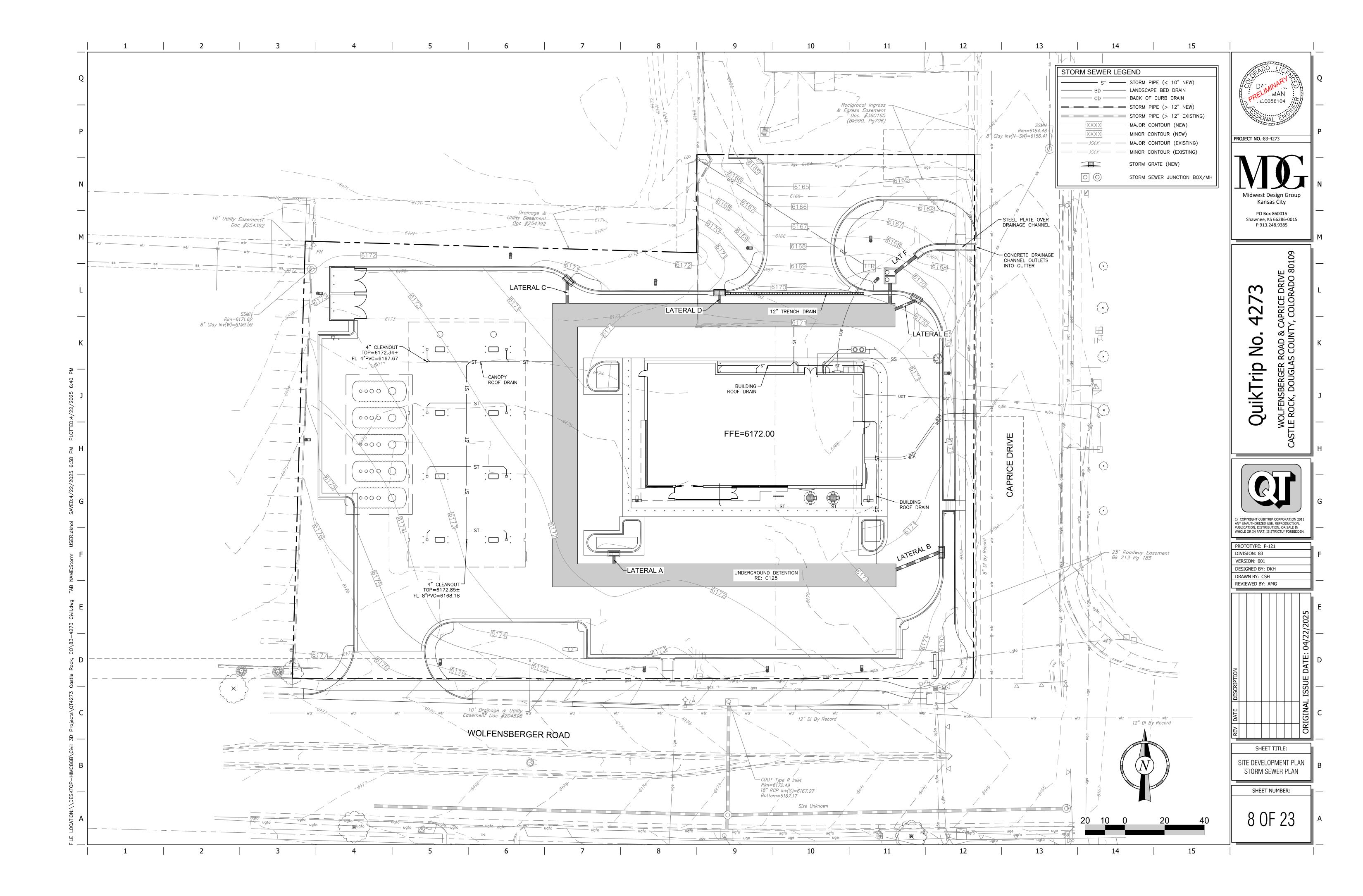
**Site Development Plan** 







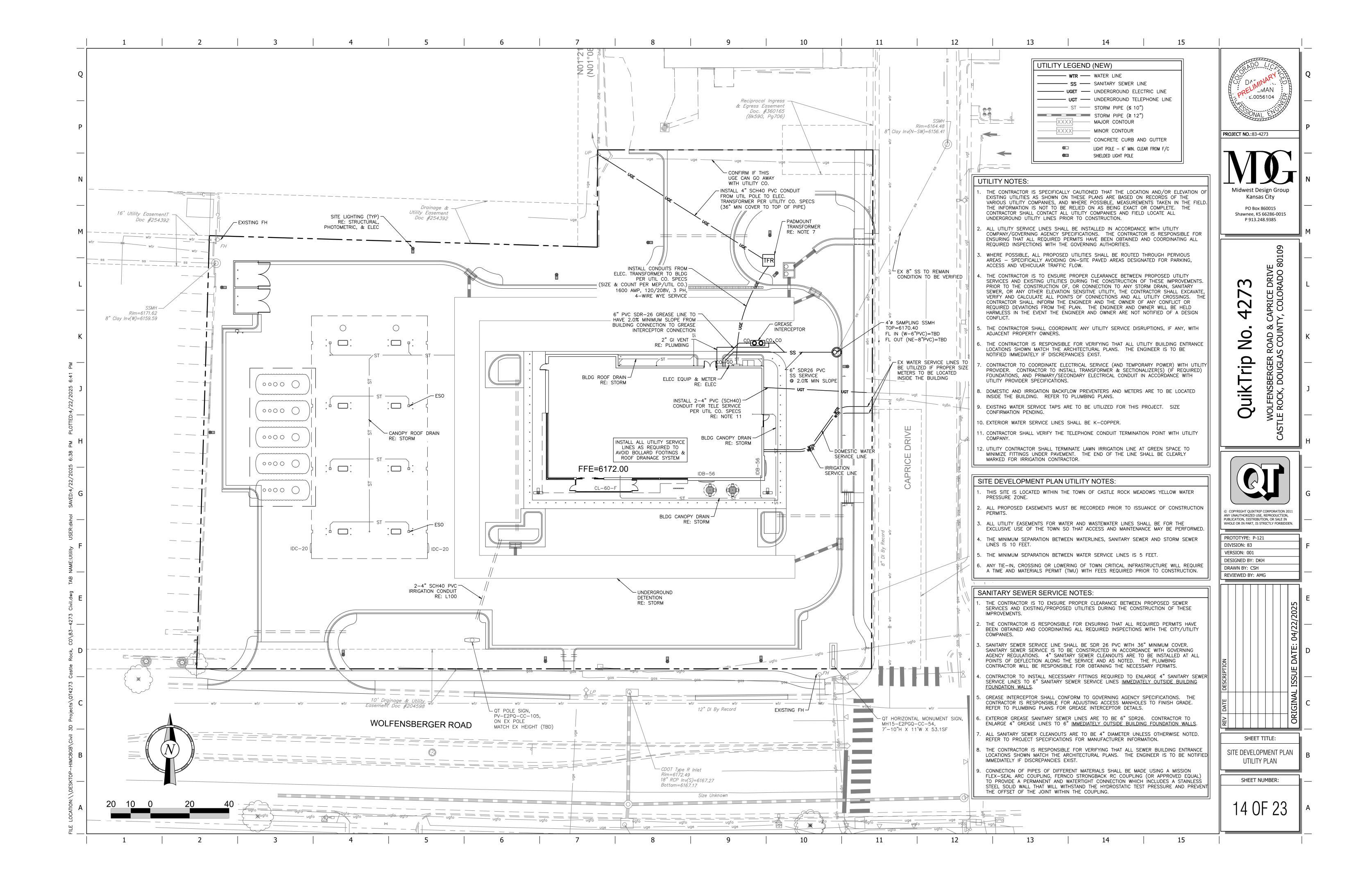




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## **APPENDIX D**

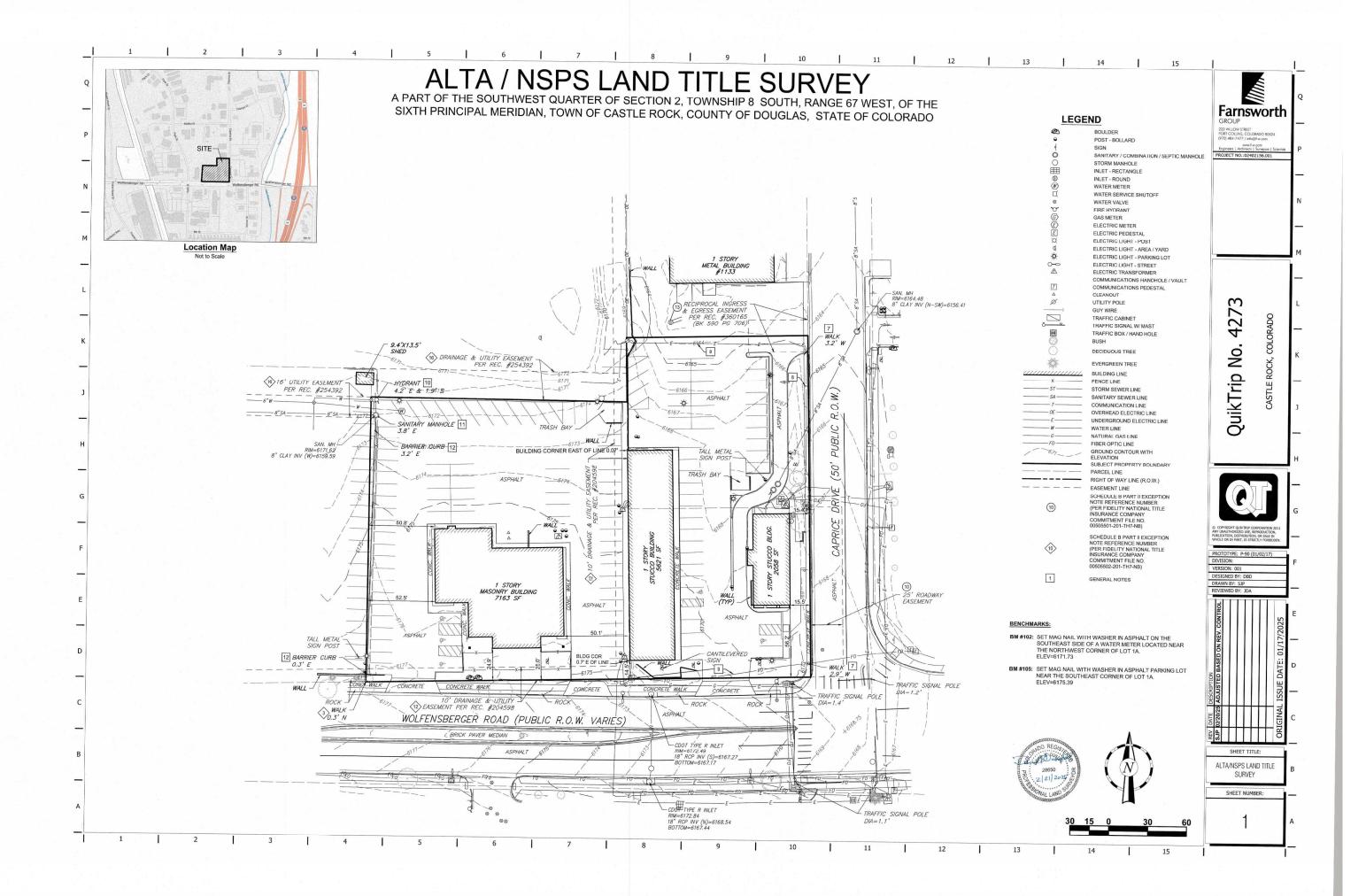
**Utility Plan** 

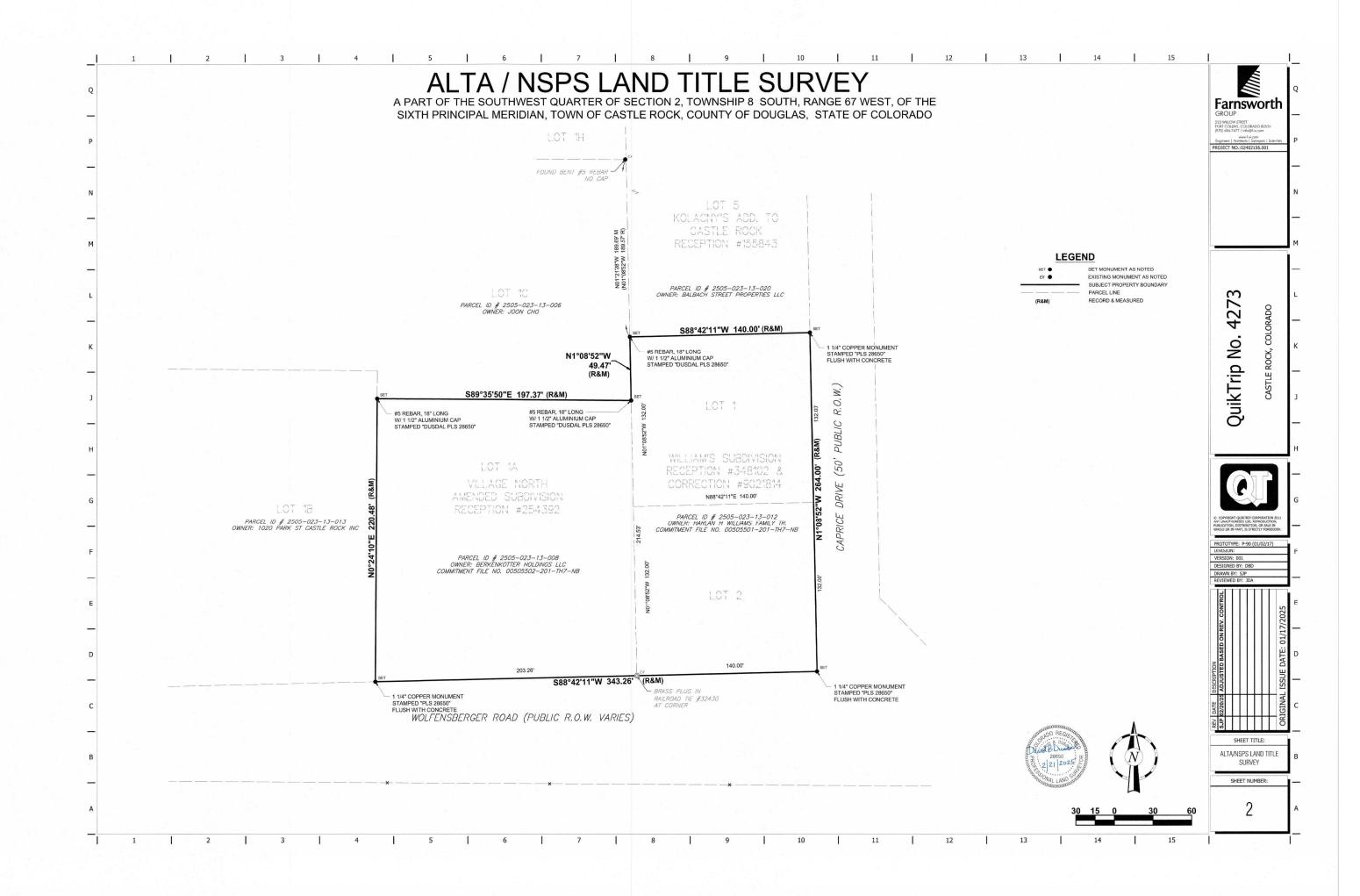


Wolfensberger Road & Caprice Drive Castle Rock, Douglas County, Colorado 80109

## **APPENDIX E**

**ALTA Survey** 





AND ITEM 3:

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ALTA / NSPS LAND TITLE SURVEY A PART OF THE SOUTHWEST QUARTER OF SECTION 2, TOWNSHIP 8 SOUTH, RANGE 67 WEST, OF THE SIXTH PRINCIPAL MERIDIAN, TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO 15. TERMS, CONDITIONS, PROVISIONS, AGREEMENTS AND OBLIGATIONS CONTAINED IN THE ORDINANCE NO. 3.58. RELATING TO ZONING AS SET FORTH BELOW: RECORDING DATE: FEBRUARY 26, 1980 RECORDING NO.: BOOK 382 AT PAGE 942 NOT PLOTTABLE, SEE DOCUMENT FOR PARTICULARS 16. EASEMENTS, NOTES, TERMS, CONDITIONS, PROVISIONS, AGREEMENTS AND OBLIGATIONS CONTAINED IN THE PLAT OF VILLAGE NORTH AMENDED AS SET FORTH BELOW: RECORDING DATE: JULY 7, 1980 RECORDING NO.: RECEPTION NO. 254392 ADJACENT EASEMENTS LOCATED ALONG THE NORTH LINE AND NEAR THE NORTHWEST CORNER OF THE SUBJECT PROPERTY ARE PLOTTED AND SHOWN HEREON, SEE PLAT FOR PARTICULARS FOR NOTES, TERMS, CONDITIONS, PROVISIONS, AGREEMENTS AND OBLIGATIONS IF ANY. RATIFICATIONS OF PLAT: RECORDING DATE: JULY 21, 1980 RECORDING NO.: BOOK 390 AT PAGE 588 RECORDING DATE: JULY 28, 198 RECORDING NO.: BOOK 390 AT PAGE 1023 NOT PLOTTABLE, SEE DOCUMENT FOR PARTICULARS TERMS, CONDITIONS, PROVISIONS, AGREEMENTS AND OBLIGATIONS CONTAINED IN THE SITE DEVELOPMENT PLAN NON-MATERIAL AMENDMENT AS SET FORTH BELOW: RECORDING DATE: JANUARY 31, 2022 RECORDING NO.: RECEPTION NO. 2022007003 NOT PLOTTABLE. PURPOSE OF THE PLAN WAS RELATED TO REVISIONS TO THE LANDSCAPE PLAN. 19. A DEED OF TRUST TO SECURE AN INDEBTEDNESS IN THE AMOUNT SHOWN BELOW, RECORDING DATE: JULY 2, 2021 RECORDING NO: RECEPTION NO. 2021081115 RE-RECORDING DATE: APRIL 26, 2022 ASSIGNMENT OF RENTS: RECORDING DATE: JULY 2 2021 RECORDING NO.: RECEPTION NO. 2021081304 NOT PLOTTABLE, SEE DOCUMENT FOR PARTICULARS ALTA/NSPS LAND TITLE SURVEY TABLE A NOTES MONUMENTS AS SHOWN ON THIS SURVEY. ACCORDING TO THE DOUGLAS COUNTY GIS PAGE THE ADDRESS FOR PARCEL 1 (ASSESSORS PARCEL NO. 250502313012) IS "107 WOLFENSBERGER ROAD, CASTLE ROCK, COLORADO 80109 AND PARCEL 2 (ASSESSORS PARCEL NO. 250502313008) IS "207 WOLFENSBERGER ROAD, CASTLE ROCK, COLORADO THE SUBJECT PROPERTY LIES WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S NATIONAL FLOOD INSURANCE RATE MAP NO. 08035C0188G, DATED OF MARCH 16, 2016 FOR THE TOWN OF CASTLE ROCK (COMMUNITY #080050), COLORADO. THE GROSS LAND AREA OF THE SUBJECT PROPERTY IS 80,520 SQUARE FEET OR 1.848 ACRES, MORE OR LESS. OF THE OVERALL AREA, PARCEL 1 IS 36,960 SQUARE FEET OR 0.848 ACRE, MORE OR LESS AND PARCEL 2 IS 43,569 SQUARE FEET OR 1.000 ACRE, MORE OR LESS. GROUND CONTOUR ELEVATIONS SHOWN HEREON ARE ESTABLISHED FROM SPOT ELEVATIONS TAKEN FOR THIS SURVEY REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88). NO ZONING REPORT OR LETTER WAS PROVIDED FOR THE BENEFIT OF THIS SURVEY. ACCORDING TO THE TOWN OF CASTLE ROCK ZONING MAP (ONLINE GIS MAP), PARCELS 1 AND 2 OF THE SUBJECT PROPERTY ARE CLASSIFIED AS "B - BUSINESS/COMMERCIAL" WITHIN AN OVERLAY DISTRICT ITEM 6(B): NO ZONING REPORT OR LETTER WAS PROVIDED FOR THE BENEFIT OF THIS SURVEY. THEREFORE, ZONING SETBACKS ARE NOT SHOWN. THE EXTERIOR DIMENSIONS AT GROUND LEVEL OF ALL BUILDINGS LOCATED ON THE SUBJECT PROPERTY

SUBSTANTIAL FEATURES OBSERVED IN THE PROCESS OF CONDUCTING FIELD WORK FOR THIS SURVEY

THERE ARE A TOTAL OF 118 PARKING SPACES OBSERVED ON THE SUBJECT PROPERTY, OF WHICH 115

AND IMPROVEMENTS. UTILITY PLANS WERE NOT PROVIDED, AND A PRIVATE UTILITY LOCATE WAS NOT REQUESTED BY THE CLIENT. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERSROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

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ADJACENT OWNERS ARE AS SHOWN ON THIS SURVEY, AS IDENTIFIED ON THE DOUGLAS COUNTY

ARE STANDARD SPACES AND 3 ARE HANDICAP SPACES AS SHOWN HEREON. ITEM 11(A): THE UTILITIES SHOWN ON THIS PLAT HAVE BEEN LOCATED FROM FIELD OBSERVATIONS OF MARKINGS

ITEM 11(B): A PRIVATE UTILITY LOCATE WAS NOT REQUESTED BY THE CLIENT.

ASSESSOR GIS WEBSITE.

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THE SUBJECT PROPERTY IS LOCATED AT THE NORTHWEST CORNER OF WOLFENSBERGER ROAD AND ITFM 14: CAPRICE DRIVE, CASTLE ROCK, DOUGLAS COUNTY, COLORADO THERE WAS NO EVIDENCE OF CURRENT EARTH MOVING OR NEW BUILDING CONSTRUCTION ON THE SUBJECT PROPERTY AT THE TIME OF THE FIELDWORK FOR THIS SURVEY THERE WAS NO INFORMATION MADE AVAILABLE TO THE SURVEYOR REGARDING CHANGES IN STREET ITEM 17: RIGHT-OF-WAY. THERE WAS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED DURING THE FIELDWORK FOR THIS SURVEY. BASED LIPON THE TITLE COMMITMENT AND SUPPORTING DOCUMENTS, IF THERE ARE ANY APPURTENANT ITEM 18: OFFSITE EASEMENTS THAT BENEFIT THE PROPERTY, THEY ARE SHOWN HEREON. ITEM 20(A): ROAD STRIPING, CURB CUTS, AND MEDIANS LOCATED WITHIN ADJACENT STREETS WERE OBTAINED AS ITEM 20(B): THE GROUND CONTOURS WITHIN ADJACENT STREETS WERE OBTAINED AS PART OF THIS SURVEY. SPOT ELEVATIONS WERE OBTAINED AND AVAILABLE TO THE CLIENT BUT ARE NOT SHOWN HEREON. ITEM 20(C): SPOT ELEVATIONS ACQUIRED AT THE CENTER OF ROAD INTERSECTIONS ARE AS SHOWN HEREON. ITEM 20(D): SPOT ELEVATIONS OF ANY CURBS ON THE ADJACENT STREETS WERE OBTAINED AND AVAILABLE TO THE CLIENT BUT ARE NOT SHOWN HEREON. ITEM 20(E): SURFACE CONTOURS ALONG THE CENTERLINE OF STREETS, TOPS OF CURB, GUTTER FLOWLINE, AND DITCH FLOWLINES LOCATED ALONG THE ADJACENT STREETS ARE AS SHOWN HEREON. ITEM 20(G): GROUND CONTOURS OF EXISTING PAVED AREAS (DRIVEWAYS) ADJACENT TO THE SUBJECT PROPERTY ITEM 20(H): AVAILABLE STORM AND SANITARY SEWERS ARE AS SHOWN HEREON BASED ON FIELD OBSERVATION. SURVEYOR IS WAITING ON AS BUILT UTILITY INFORMATION FOR UTILITY INFOSW WITHIN WOLFENSBERGER ROAD OR A PERMIT TO SHUT DOWN A LANE OF TRAFFIC TO OBTAIN SAID UTILITY INFORMATION. ITEM 20(I): A COLORADO 811 UTILITY LOCATE WAS CALLED IN FOR THIS SURVEY PRIOR TO COMPLETING FIELD SURVEY WORK FIELD MARKINGS OBSERVED DURING THE COURSE OF THE FIELD WORK FROM THE RESULTING LOCATES ARE SHOWN HEREON. THE REFERENCE DIG NUMBERS FOR THE COLORADO 811 UTILITY CALLS ARE B434601367, B434601376, AND B434601389 THE FOLLOWING UTILITY COMPANIES WERE NOTIFIED AS A RESULT OF THE LOCATE REQUESTS QLNCC00 = CENTURYLINK (FIBER & TELCO) CCSOC001 = COMCAST (CATV & FIBER) COREC= CORE ELECTRIC COOPERATIVE (ELECTRIC) CSRK02 = TOWN OF CASTLE ROCK (ELECTRIC) CSRK03 = TOWN OF CASTLE ROCK (FIBER) CSRK01 = TOWN OF CASTLE ROCK (WATER & SEWER) ZAY01 = ZAYO BANDWIDTH (ELECTRIC & FIBER) (NO CONTACT INFORMATION WAS LISTED FOR ANY OF THE COMPANIES LISTED ABOVE) ITEM 20(J): SIGNAL POLE DIMENSIONS, IF ANY, WITHIN THE LIMITS OF THE SURVEY ARE SHOWN HEREON. ITEM 20(K): NO OVERHEAD UTILITY LINES WERE OBSERVED WITHIN THE LIMITS OF THE SUBJECT PROPERTY.



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Farnsworth PROJECT NO.:02402156.001

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OuikTri

PROTOTYPE: P-90 (01/02/17)
DIVISION:

VERSION: 001

DRAWN BY: SJF

SHEET TITLE: ALTA/NSPS LAND TITLE SURVEY

SHEET NUMBER: