WATER PLAN

MY GARAGE @ NORTHCRES NORTHWEST CORNER OF CANADA DRIVE AND CONSTITUTIO

Valve

CSU WATER NOTES:

The Contractor shall notify Colorado Springs Utilities' Inspections office (719-668-4658) and Cherokeee Metropolitan District (719-597-5080) a minimum of 48 hours prior to the start of construction.

GENERAL:

- 1. All construction methods and materials shall meet Colorado Springs Utilities' Water Line Extension and Service Standards (Water LESS) with CHerokee Metropolitan District Exceptions.
- The Contractor shall obtain locates prior to any excavation. Cherokee Metropolitan District does not guarantee the accuracy of locations of existing pipelines, hydrants, valves and service lines. If field conditions are found to be different than shown on the plans, the Contractor shall notify the Inspector and the Engineer of Record immediately.
- No trees or structures are permitted within fifteen feet (15') of a water main. The Contractor is responsible for any damage to any utility facilities as a result of his actions. The Contractor shall make all the required repairs immediately
- to the satisfaction of Colorado Springs Utilities and/or Cherokee Metropolitan District. All field staking shall comply with the Water LESS.
- The Contractor shall make their best effort to ensure that water service to adjacent properties is maintained during construction. 8. Corrosion protection measures shall comply with the Water LESS.
- No service taps will be allowed until the main is extended to the next main-line valve.
- 10. No service taps shall be made until authorization has been granted by the Cherokee Metropolitan District Inspector. 11. All bends shall be field staked prior to construction and the stationing on the field stakes shall match the stationing on the plans.
- 12. Field modifications to a fire service line or fire hydrant design or location may need to be approved by the Design Engineer, Colorado Springs Fire Department and Cherokee Metropolitan District, as required by the Inspector.
- 13. Reuse or salvage of any material is left to the discretion of the Colorado Springs Utilities or Cherokee Metropolitan District Inspector. 14. A trench backfill and compaction shall be in accordance with Section 206 of the City of Colorado Springs Standard Specifications Manual.
- 15. All water service lines should enter the building in accordance with Cherokee Metropolitan District Std B1-9 & B1-11A. Exposed water plumbing shall be minimized inside the building prior to the water meter and/or approved backflow prevention assembly or method.

WATER PROJECT SPECIFIC NOTES:

APPLICABLE NOT-APPLICABLE Any existing stubs and appurtenances that will not be used shall be removed and replaced with an acceptable section of main at the expense of the Contractor. A connection to an existing stub is proposed. Cherokee Metropolitan District does not guarantee the accuracy of the depths or locations of existing stubs shown on any "As-Built" drawings. A water stub-out(s) is/are proposed. Cherokee Metropolitan District does not guarantee that the design or installation of the proposed water stub-out will meet future development needs. A Water Quality Plan has been approved for this project.

UAP File No.: N/A

Approval Date.: March 4, 2024

Tax Schedule No.: 55102-00-003

PLAN INFORMATION BLOCK:

FIMS Map Number: T-43

Pressure Zone: Lowline

Max. Static Pressure: 105psi (CCMD), 181psi (CSU)

Utility Design CAD File No.: CF20243376

Development Plan No.: DEPN-23-0212

Plat Reception No.: N/A

Public Utility Easement Reception No.: N/A

Notice of Private Wastewater System Reception No.: N/A

Notice of Private Water System Reception No.: N/A

GENERAL UTILITY NOTES:

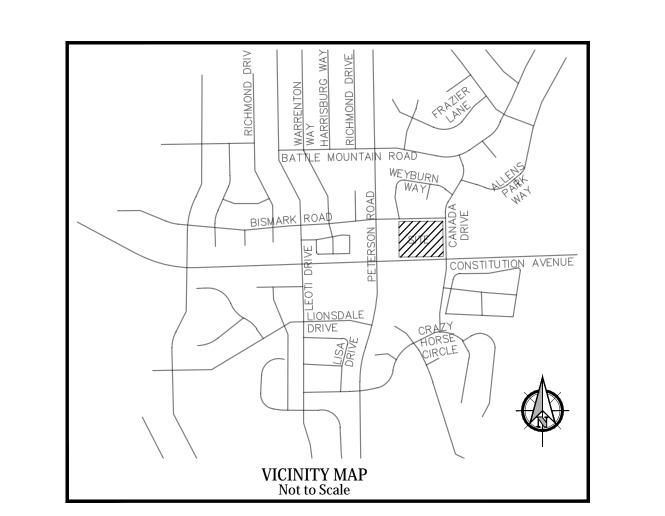
- 1. All water and wastewater work shall comply with the Colorado Springs Utilities Line Extensions & Service Standards, current edition and Cherokee
- Metropolitan District Exceptions. The Contractor and survey crew shall verify elevations of any existing sanitary sewer, storm sewer, water lines and manholes to be tied to prior to 2.
- construction or staking of pipe. The Contractor shall be responsible for recording As-Built information on a set of record drawings.
- The Contractor shall contact all appropriate utility companies, Colorado Springs Utilities and Cherokee Metropolitan District prior to the beginning of any construction. Contractor shall be responsible for locating any existing utility (including depths) which are within the proposed construction area. All existing utilities shall be protected from damage by the contractor. Damaged utilities shall be repaired by the Contractor at his own expense. The locations of existing utilities are based upon the best available information, are shown in an approximate way only, and have not been independently
- verified by the Owner or its representative. The Contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the Contractor's failure to exactly locate and preserve any and all utilities. Pipe backfilling shall not occur until pipe has been inspected.
- Begin laying pipe at the lowest point, with the bells uphill. Lay the pipe in accordance with the manufacturers specifications and recommendations. Lay pipe true to line and grade as shown on the drawings. 8. All sanitary sewer pipe lengths and slopes are figured from center of manhole, bens, wye and the inside wall of inlets. Pipe lengths are given as a horizontal length and are approximate
- All sanitary sewer pipe bedding to be Class B bedding, unless otherwise noted. 10. Manhole rim elevations are approximate only and are not to be taken as final elevations. Ring and cover to be set in centered concrete rings with ram-neck for adjustment to match final pavement elevation. Manholes shall have a minimum 5' Dia. See Cherokee Metropolitan District Standards for Exterior Coating
- & Interior Lining requirements. 11. Where appropriate, neatly saw cut all existing concrete and asphalt. The placement of additional paving shall be done to a neat work line, saw cuttiting a minimum of one (1) foot. Saw cutting will not be paid for separately but will be considered incidental to the work. Repair/replace all disturbed existing items with like materials and thicknesses. Any asphalt removed is to be replaced to meet the specifications of the Colorado Dept. of Transportation. Existing concrete pavement shall be scored then broken at joint to create a rough surface for the construction joint.
- 12. All asphalt work requiring patching will be performed to a neat work line. The existing asphalt shall be saw cut. All asphalt patch work shall be at least 2' wide after the completion of work. New curb can be placed flush with the existing asphalt if it is to a neat work line. 13. With notification of the respective owner, adjust rims of all cleanouts, manholes and valve covers within pavement to 1/4 to 1/2 inch below the finished grade
- and cross slope prior to final lift paving and adjust to match finish grade in unpaved areas. 14. BENCHMARK: Colorado Springs Utilities Facilities Information Management System (FIMS) Monument PW01, "FIMS Monument PW01 is a 2-inch diameter aluminum FIMS cap stamped "CSU FIMS Control PW01" on the north side of the concrete base of the 6th light pole south of Dublin Boulevard in the median of North Powers Boulevard (light pole number D275B), in line with the centerline of Templeton Gap Road extended from the southwest." Elevation=6795.579 (National Geodetic Vertical Datum, 1929 and the 1960 supplementary adjustment).

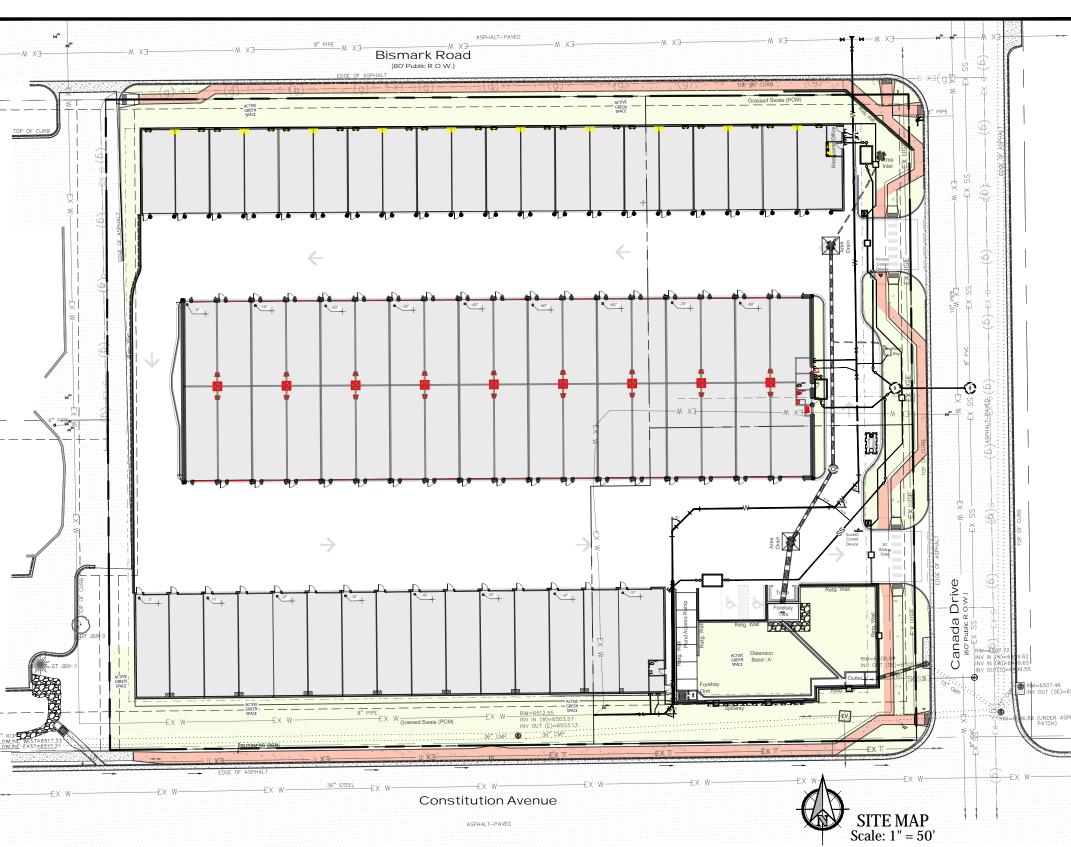
Minimum Radius Shown For Water Main = 290' Per WWSD Specifications and El Paso County ECM 4.3.6.a.1&2, The Minimum Cover for Water Main & Services and Sanitary Sewer Mains & Services is 5 feet.

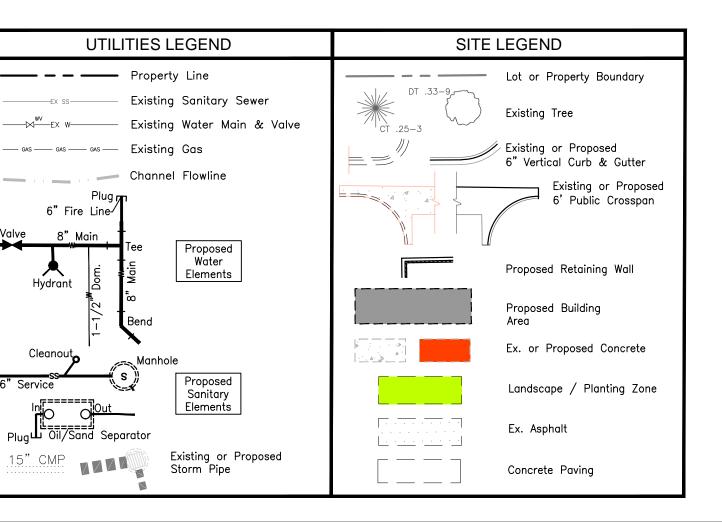
Streetlight locations are pending and are not a part of this submittal. Gas - All Gas Mains and Services are to be installed per the city Of Colorado Springs.

Subsequent to stripping and grubbing the following overlot/pipe installation procedures are anticipated for the sanitary sewer located on proposed embankments: The removal and replacement of metastable soil. Testing of the fill subsequent to the penetration of the metastable soil will continue until a minimum of 7 feet of structural fill has been placed above the proposed sewer line elevation. Utility trenches shall be excavated and sanitary sewer line installed. The pipe shall be properly bedded and structural fill placed and tested to the previous grade. The overlot and embankment fill can be completed.

Where the sanitary sewer is placed in embankment fill during the overlot process, ste shall monitor and test all work associated with the affected portions.





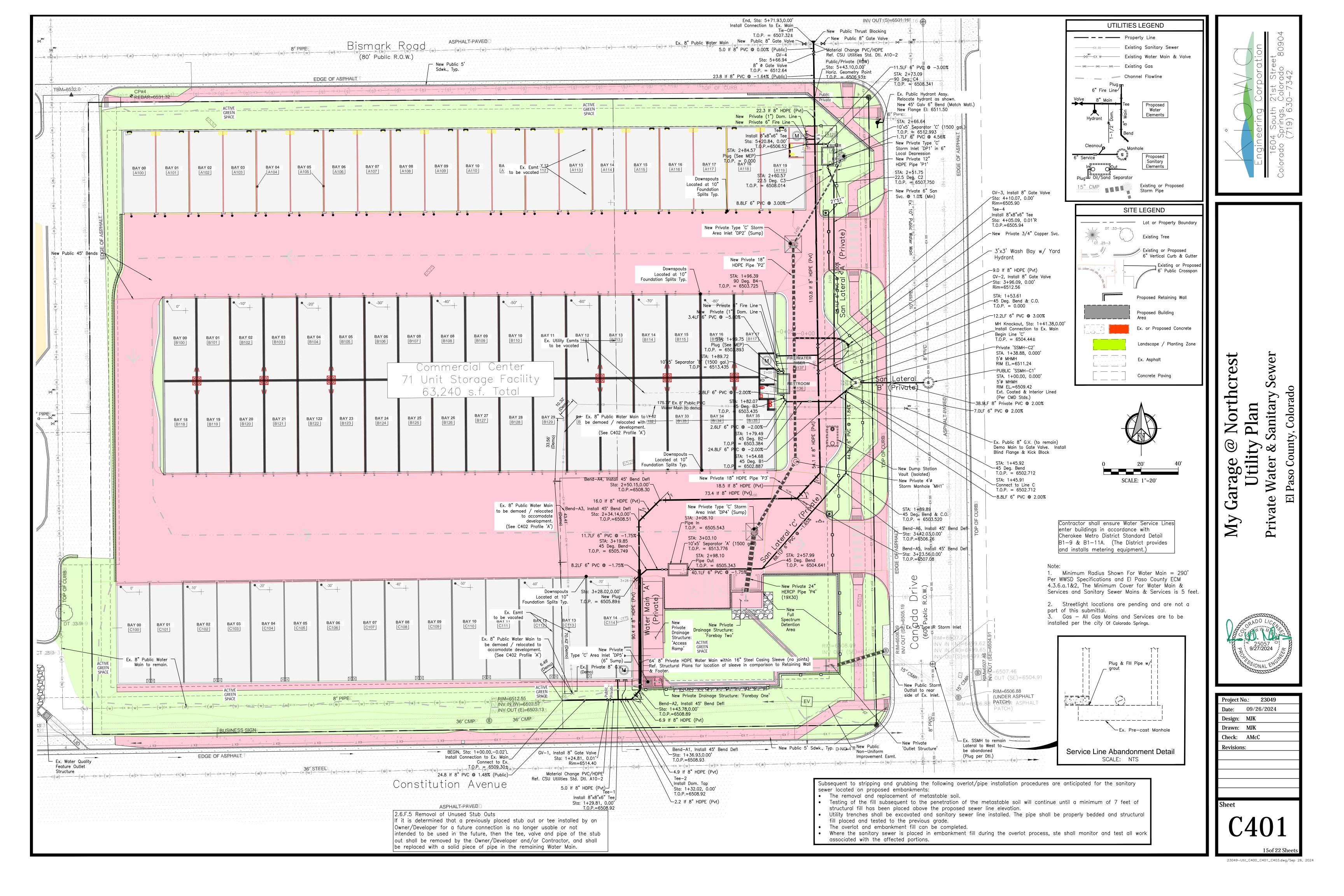


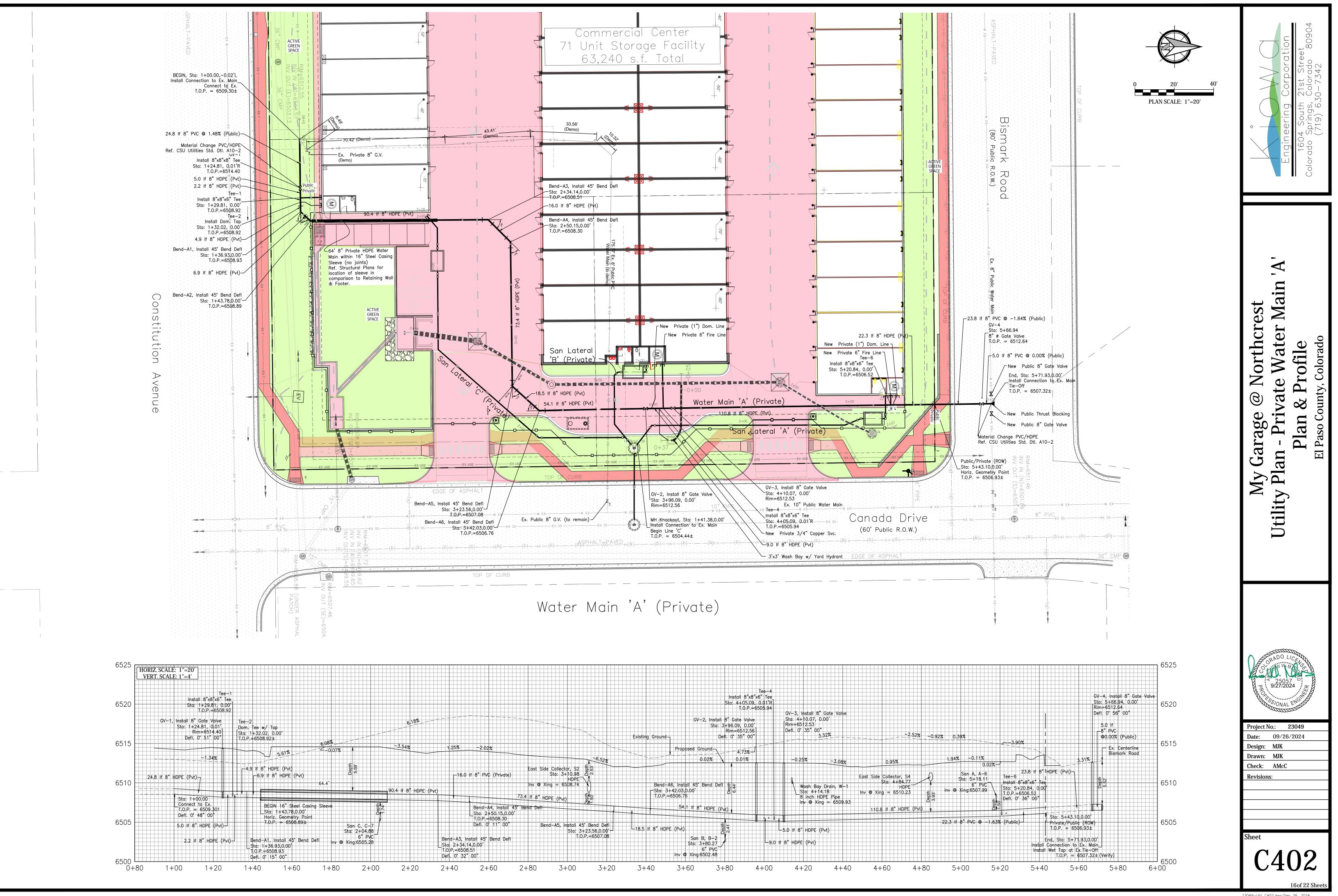
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SHEET INDEX

SST JTION AVENUE BUILDING DATA: BUILDING: My Garage @ Northcrest Center LARGEST BUILDING SQUARE FOOTAGE: 31,265 s.f.	TYPE OF CONSTRUCTION: V-B REQ. GPM FIRE FLOW: (50% REDUCTION): 1,500 gpm	A South 21st Street (719) 630-7342
REQ. MIN. NUMBER HYDRANTS: 2 MAX. HOSE LAY DIST: 250' AREA SEPARATION/FIRE WALLS: Yes FIRE FLOW: According to calculations reviewed by colorado springs utilities, the theor maximum day demand conditions with a 20psi residual is as follows: (activity non-comparison of the comparison of the compari	AVG. DIST. BETWEEN HYD: 500' BUILDING SPRINKLED: Yes Tax Schedule No.: xxxxx-xx-xxx pretical available fire flow at each hydrant node under tual fire flow may vary due to various parameters): PSI @ MDD psi psi	Colorado Colorado
CSFD, Division of the Fire Marshal CSFD Plan Review No.:FCS-C-FH NOTICE OF FIRE SERVICE LINE INTEGRITY TEST: Prior to acceptance of any fire service line by the Colorado Springs Fire Department: All fire service lines shall be hydrostatically tested and flushed per Colorado Springs Fire De All acceptance testing of water supply systems for fire protection shall be witnessed by an a PRESSURE TEST Pressurize the fire service line from the point of connection at the main to the point of connection minimum of 2 hours. This test is best performed before completely backfilling so that all joints a FLUSH TEST The fire service line shall be flushed at per NFPA 24 "Standard for the Installation of Private Fire OWNER/DEVELOPER PLAN APPROVAL The undersigned Owner/Developer agrees that they shall, at their expense	equate to satisfy the fire protection requirements as specified by the City of Date:	rage @ Northcrest Water Plan Cover Sheet Paso County, Colorado
ENGINEER HAVING RESPONSIE REVIEW ACCORDINGLY. AS SUC AS REPRESENTED ON THESE	CHEROKEE METROPOLITAN DISTRICT WATER PLAN APPROVAL AN DISTRICT RECOGNIZES THE DESIGN PROFESSIONAL OF RECORD AS THE LICENSED BILITY FOR THE SUBMITTED DESIGN AND THE DISTRICT HAS LIMITED ITS SCOPE OF ICH, THE APPROVAL GRANTED HEREIN IS FOR THE CONSTRUCTION OF THE FACILITIES DOCUMENTS. APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE BELOW AND INS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN	My Ga
ENGINEER HAVING RESPONSIE REVIEW ACCORDINGLY. AS SUC AS REPRESENTED ON THESE RESUBMITTAL OF THESE PLAN DURING THIS PERIOD.	CHEROKEE METROPOLITAN DISTRICT WASTEWATER PLAN APPROVAL AN DISTRICT RECOGNIZES THE DESIGN PROFESSIONAL OF RECORD AS THE LICENSED BILITY FOR THE SUBMITTED DESIGN AND THE DISTRICT HAS LIMITED ITS SCOPE OF ICH, THE APPROVAL GRANTED HEREIN IS FOR THE CONSTRUCTION OF THE FACILITIES DOCUMENTS. APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE BELOW AND INS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN	Project No.: 23049 Date: 09/18/2024 Design: MJK Drawn: MJK Check: AMcC Revisions:
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23049-Util_C400_C403.dwa/Sep 18. 2024





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