



CITY AND COUNTY OF DENVER

Department of Public Works - Development Services

Sewer Use and Drainage Permit



Address: 2420 & 2424 S Zuni St

Permit # 2019-SUDP-0001474

Project Name: Sewer Connection (New Duplex) Outside of Denver

Application Date: 04/15/2019 Ready Date: 04/15/2019

Type of Work: New	Use: Residential	Reduced or Exempt Fee:
Service Area Code: 04080000	SFRE:	Tap Size:

Fee Type	Fund/Org/No	Fee Amount	Transaction Number	Payment Date	Void
Report to Metro:	Total Permit Fees:		Exemption or Fee Reduction:		

Upon proper inspection and issuance of a Sewer Connection Permit and compliance with the terms and conditions of this Permit as well as those of the associated Application, authorization to connect to the sewer system is hereby granted. All Wastewater Management Division rules and regulations, criteria, standards, details, etc., shall apply as a minimum unless specifically exempted in writing. All inspection requests must be called in to Wastewater, at the (303) 446-3759 number, no later than 3:30 P.M. on the previous business day. No inspection requests will be accepted after 3:30 P.M. If work under this Permit is not properly completed, this Permit shall become void. If work under this Permit is not commenced within one year from the date of issuance or, if after partial completion,

TYPE OF CONNECTION: New

REQUIRED INSPECTIONS FOR THIS PERMIT

See permit conditions below for more detailed information.

Inspection Type	Inspection Status	Inspection Scheduled Date/Inspection Date

SEWER PERMIT CONDITIONS:

Number: 1	Condition: This permit is issued for a new Residential Duplex Building (located in the City of Englewood, Arapaho County) sanitary sewer service line connections to a sanitary sewer main owned and maintained by the City and County of Denver only. Any additional Residential Unit (Carriage Unit, Accessory Dwelling Unit, etc.) to this property will require a Supplemental Sewer Use and Drainage Permit.
2	Any future additions to, modifications of, or changes of use to this Residential Duplex must be reviewed and approved in writing by the City and County of Denver Development Services for potential impacts to a Denver Public Sanitary Main. Sanitary sewer connection fees, in accordance with RMC Chapter 56, Article 3, Division 3, Sec 56-92.5, will apply to this project and are non-refundable. Billing for ongoing carriage, treatment and disposal charges will be based on water usage and shall be 150% of the amount that would be charged for areas inside the boundaries of the City per residential connection or residential equivalent, in accordance with RMC Chapter 56, Article 3, Division 3, Secs.

Office Copy

Site Copy - MUST BE POSTED ON SITE

56-97 through 56-101.

Billing for this property will be sent directly to the owners of these properties addresses:

2420 S. Zuni St.
Englewood, CO 80110

and

2424 S. Zuni St.
Englewood, CO 80110

Increases to carriage, treatment and disposal charges may occur from time to time and will apply at the same rate / time for this property as for all other Denver Residents.

3 ANY CHANGE IN THE BUILDING SEWER SIZE, CONFIGURATION OR LOCATION, FROM WHAT WAS
ORIGINALLY SUBMITTED AND APPROVED on 7/23/2019 BY PUBLIC WORKS WASTEWATER MUST BE
SUBMITTED FOR REVIEW AND APPROVAL OF A SUPPLEMENTAL SUDP PERMIT PRIOR TO ANY
SANITARY BUILDING SEWER CONSTRUCTION

4 Any portion of the building sewer being built over, or any portion within two (2) feet of a building, must be
replaced with approved material (Schedule 40 PVC, ABS/DWV, or Cast Iron pipe). All new and replaced
sewers beyond two (2) feet from the building must be inspected and approved by PW DES Plumbing
Inspection.

5 NO SANITARY EJECTORS ARE AUTHORIZED UNDER THE TERMS OF THIS PERMIT

The properly licensed sewer contractor must confirm if the existing public sanitary main has been lined
prior to connection. The connection to the main shall be coordinated with the PW WMD Plumbing
Inspector as to the proper connection method, if the public sanitary main is lined.

A 1:1 ratio to the bearing point must be maintained on all sanitary service lines.

The two (2) new four (4) inch building UNIT sewer laterals and SEPARATE connections to the existing
eight (8) inch public sanitary main in S. Zuni St. must be inspected by PWDES Plumbing Inspection.
Installation must conform to PW WMD standards regarding workmanship and materials, to include the
use of Class B bedding material conforming to ASTM C-33, gradation size 67. All work must be done by
a properly licensed Plumbing or Sewer Contractor and the licensed Plumbing or Sewer Contractor must
call PWPO at 303-446-3759 with valid license and permit numbers, no later than 3:30 P.M. on the
previous business day, to schedule inspections.

6 The properly licensed sewer contractor must coordinate all 4-inch cleanout locations with the PW WMD
Plumbing Inspector. An approved type of two-way cleanout shall be installed outside of the building near
the connection between the building drain and building sewer, on ALL building sewer laterals or lines
exiting the building. Cleanouts are NOT permitted to be located in the garage floor slab or in the public
right-of way. All cleanouts located within vehicle travel paths must be equipped with traffic-rated
cleanouts. Additional cleanouts shall be installed at intervals not to exceed 100 feet and for each
aggregate horizontal change in direction exceeding 135 degrees.

7 Separate building Unit sewer laterals and connections to the public main are required for each unit, as
per plans

8 Domestic Sewage Only - No special wastes are to be discharged to the sanitary sewer.

9 There shall be no storm water drainage from the ground surface, roof leaders, catch basin, or any other
source; or subsurface drainage or ground water discharge into the sanitary sewer.

10 The Owner, Site Developer, Contractor and/or their authorized agents shall ensure that all potential
pollutants generated during demolition or construction work associated with this Project, be prevented
from discharge to stormwater conveyance systems in the vicinity of this Project Site in accordance with
the following:

1. The Owner, Site Developer, Contractor and/or their authorized agents shall prevent sediment, debris
and all other pollutants from entering the storm sewer system during all demolition, excavation,
trenching, boring, grading, or other construction operations that are part of this Project. The Owner, Site
Developer, Contractor and/or their authorized agents shall be held responsible for remediation of any
adverse impacts to the Municipal Separate Storm Sewer System, receiving waters, waterways, wetlands,
and or other public or private properties, resulting from work done as part of this Project.

2. The Owner, Site Developer, Contractor and/or their authorized agents shall remove all sediment, mud,
construction debris, or other potential pollutants that may have been discharged to or, accumulate in the
flow lines storm drainage appurtenances, and public rights of ways of the City and County of Denver as a
result of construction activities associated with this Project. All removals shall be conducted in a timely
manner.

3. The Owner, Site Developer, Contractor and/or their authorized agents shall insure that all loads of cut and fill material imported to or exported from this site shall be properly covered to prevent loss of the material during transport on public rights of way. (Sec.49-552; Revised Municipal Code)

4. The use of rebar to anchor best management practices, other than portable toilets, is prohibited.

5. The Owner, Site Developer, Contractor and/or their authorized agents shall implement the following Best Management Practices (BMPs) on site during construction:

i. VEHICLE TRACKING CONTROL: VEHICLE TRACKING CONTROL: This BMP is required at all access points for ingress/egress from off-site impervious surfaces to construction site pervious areas that are used by vehicular traffic or construction equipment.

ii. INLET PROTECTION: This BMP is required on all existing or proposed storm sewer inlets in the vicinity of the construction site that may receive site runoff. The BMP must be appropriate to the type of storm inlet and appropriate for the ground surface at the inlet.

iii. INTERIM SITE STABILIZATION: This BMP is required to provide a measure for preventing the discharge of sediment from construction sites where overlot grading or other site disturbance has occurred. This BMP is particularly necessary on sites where construction activities/disturbance will be limited to small areas of the Project site. Acceptable BMPs include:

- a) Preserving existing vegetation
- b) Seeding and planting
- c) Mulching
- d) Mulching and seeding
- e) Temporary/Permanent re-vegetation operations
- f) Chemical soil stabilizer application (requires WMD approval)

iv. WASTE MANAGEMENT/CONTAINMENT: This BMP requires that all construction wastes, fuels, lubricants, chemical wastes, trash, Sanitary wastes, contaminated soils or debris shall be contained on site, protected from contact with precipitation or surface runoff, periodically removed from the construction site, and properly disposed of.

v. SPILL PREVENTION /CONTAINMENT: This BMP defines the measures proposed for preventing, controlling, or containing spills of fuel, lubricants, or other pollutants; and protecting potential pollutants from contact with precipitation or runoff.

vi. CHUTE WASHOUT CONTAINMENT: Water used in the cleaning of cement truck delivery chutes shall be discharged into a predefined, bermed containment area on the job site. The required containment area is to be bermed so that wash water is totally contained. Wash water discharged into the containment area shall be allowed to infiltrate or evaporate. Dried cement waste is removed from the containment area and properly disposed of.

a) The direct or indirect discharge of water containing waste cement to the storm sewer system is prohibited (Sec.56-102a, c; Revised Municipal Code, City and County of Denver).

vii. SWEEPING: This BMP requires that impervious surfaces which are adjacent to or contained within construction sites be swept on a daily basis or as needed during the day when sediment and other materials are tracked or discharged on to them. Either sweeping by hand or use of Street Sweepers is acceptable. Street sweepers using water while sweeping is preferred in order to minimize dust. Flushing off paved surfaces with water is prohibited.

viii. PERIMETER CONTROL: This BMP requires that a construction site install a perimeter control measure along the edge of the construction Site, to prevent, or filter the discharge of surface runoff from the construction site. The type of perimeter control used shall be determined based on site conditions and location. Maintenance and repair of the control measure shall occur as needed, in a timely manner.

ix. STOCK PILES: Soils that will be stockpiled for more than thirty (30) days shall be protected from wind and water erosion within fourteen (14) days of stockpile construction. Stabilization of stockpiles located within 100 feet of receiving waters, or with slopes 3 to 1 or greater shall be completed within seven (7) days following stockpile construction. Stabilization and protection of the stockpile may be accomplished by any of the following: Mulching, Temporary/Permanent Revegetation Operations, Chemical Soil Stabilizer Application (requires Denver Public Works approval), or erosion control matting/Geotextiles. If stockpiles are located within 100 feet of receiving waters, a drainageway or the site perimeter, additional sediment controls shall be required.

x. SAW CUTTING OPERATIONS: The Contractor shall protect all storm sewer facilities adjacent to any location where pavement cutting operations involving wheel cutting, saw cutting, or abrasive water jet cutting are to take place. The Contractor shall remove and properly dispose of all waste products generated by said cutting operations on a daily basis or as needed throughout the work day. The discharge of any water contaminated by waste products from cutting operations to the storm sewer system is prohibited. (Sec.56-102a, c; Revised Municipal Code, City and County of Denver)

xi. Structural controls: Development sites that are required to provide detention and water quality enhancement facilities for storm runoff need to install the detention facilities early in the construction build-out of the site. Projects that are using underground detention are required to install a pretreatment structure or sedimentation basins as a means of treating potentially polluted storm water prior to entering the detention structure. Use of these structures is required for entrapping sediment and construction debris during the active construction phase of the project. The narrative section of the

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Management Plan is also required to address operation and maintenance of the structural controls being used as an active construction BMP.

6. Erosion and sediment control BEST MANAGEMENT PRACTICES shall be maintained and kept in effective operating condition for the duration of this Project. All necessary maintenance and repair shall be completed immediately upon discovery of any deficiency or defect.

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FLOODPLAIN PERMIT CONDITIONS:

Number: Condition:

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Standard Comments and Condition:

Conditions:

Anytime an existing domestic water tap is reactivated or increased in pipe size, or a new domestic water tap is added, a Sewer Use & Drainage permit must be obtained from Development Services.

PLEASE NOTE: The owner/developer is responsible for improvements/repairs in the right-of-way adjacent to this site. No Certificate of Occupancy will be validated by Public Works Construction until these improvements/repairs are complete. Contact the DES Construction Inspector PRIOR to starting construction. Call 303-446-3469 for the name and number of the inspector. Any work within the public right-of-way will require a Street Cut, Construction, and/or Street Occupancy Permit(s) from Public Works Permit Operations, located at 2000 W. 3rd Ave., Room 107, phone number 303-446-3759. It is the Licensed Contractor's responsibility to obtain the proper permit(s).

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