



REQUEST FOR ORDINANCE

TO: John McGrath, Asst. City Attorney, City Attorney's Office

FROM: Matt R. Bryner, P.E., Director

PROJECT NO: 2019-SUDP-0001474

DATE: August 5, 2019

SUBJECT: Request for an Ordinance to connect City wastewater facilities to a property outside of the limits of the City.

It is requested that the above subject item be placed on the next available Mayor Council Agenda.

This office has investigated the request of Danny Harris of the City and County of Denver on behalf of the property at 2420 and 2424 South Zuni Street, Englewood, Colorado. This matter has been checked by this office and has been coordinated with DES - Wastewater who has indicated their agreement.

Therefore, you are requested to initiate Council action to connect City wastewater facilities to the following described areas:

SEE ATTACHED FOR PROJECT DESCRIPTION

Cc:
Public Works: Sarah Stanek
Public Works: Alba Castro
Public Works: Nancy Kuhn
Development Engineering Services: Jim Turner
Development Engineering Services: Danny Harris

ORDINANCE/RESOLUTION REQUEST

Please email requests to Sarah Stanek at
Sarah.Stanek@denvergov.org by **NOON on Monday**.

****All fields must be completed.****

Incomplete request forms will be returned to sender which may cause a delay in processing.

Date of Request: July 29, 2019

Please mark one: Bill Request or Resolution Request

1. Has your agency submitted this request in the last 12 months?

Yes No

If yes, please explain:

2. **Title:** (Include a concise, one sentence description – please include name of company or contractor and contract control number - that clearly indicates the type of request: grant acceptance, contract execution, amendment, municipal code change, supplemental request, etc.)

Request for an Ordinance to connect to City wastewater facilities for 2420 and 2424 South Zuni Street

3. **Requesting Agency:** Public Works ROWS DES Wastewater

4. **Contact Person:** (With actual knowledge of proposed ordinance/resolution.)

- **Name:** Danny Harris
- **Phone:** 720-913-0816
- **Email:** Danny.Harris@denvergov.org

5. **Contact Person:** (With actual knowledge of proposed ordinance/resolution who will present the item at Mayor-Council and who will be available for first and second reading, if necessary.)

- **Name:** Sarah Stanek
- **Phone:** 720-865-8713
- **Email:** sarah.stanek@denvergov.org

6. **General description of proposed ordinance including contract scope of work if applicable:**

This is a property outside of the limits of the City that needs to connect to City wastewater facilities, which requires an Ordinance.

****Please complete the following fields:** (Incomplete fields may result in a delay in processing. If a field is not applicable, please enter N/A for that field.)

- a. **Contract Control Number:** N/A
- b. **Duration:** Permanent
- c. **Location:** 2420 and 2424 South Zuni Street
- d. **Affected Council District:** 1
- e. **Benefits:** Collection of sanitary sewer usage fees
- f. **Costs:** N/A

7. **Is there any controversy surrounding this ordinance?** (Groups or individuals who may have concerns about it?)
Please explain.

No.

To be completed by Mayor's Legislative Team:

SIRE Tracking Number: _____

Date Entered: _____



EXECUTIVE SUMMARY

Project Title: Request for an Ordinance to connect to City wastewater facilities. City project number 2019-SUDP-0001474.

Description of Proposed Project: This is a property proposing a new duplex outside of the limits of the City that needs to connect to City wastewater facilities, which requires an Ordinance.

Explanation of why the public right-of-way must be utilized to accomplish the proposed project: The South Zuni Street Right-of-Way will be utilized for a private sanitary service line, in order to connect the property to Denver's existing public sanitary main in Zuni Street.

Has a Temp MEP been issued, and if so, what work is underway: N/A

What is the known duration of an MEP: N/A

Will land be dedicated to the City if the vacation goes through: N/A

Will an easement be placed over a vacated area, and if so explain: N/A

Will an easement relinquishment be submitted at a later date: N/A

Additional information: None.

Legal Description:

A resubdivision of lots 1 and 2, south lawn gardens annex filing no. 6 part of the Southwest quarter of section 28, township 4 south, range 68 west of the 6th P. M. City of Englewood, county of Arapahoe, state of Colorado.

More particularly described as follows:

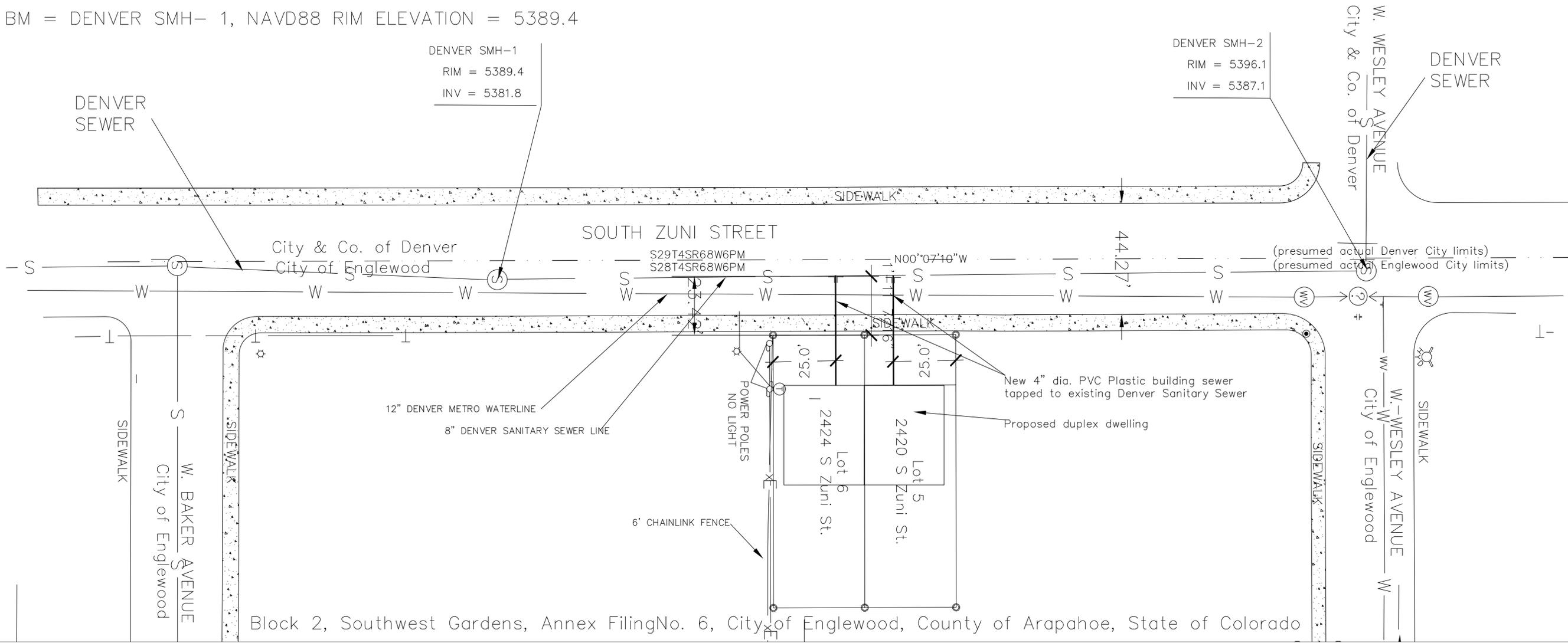
Commencing at the southwest corner of section 28, township 4 south, range 68 west of the 6th P. M. ; thence along the west line of said section 28, north 00'10'07" west A distance of 1324.18 feet to the south 16th corner of said section 28; Thence continuing along said west lane, north 00'10'07" west a distance of 501.66 feet; Thence departing said west lane, south 89'50'18 east a distance of 30.00 feet to the southwest corner of lot one, block 2, south lawn gardens annex filing no. 6, being the point of beginning; Thence along the westerly line of said lot one, north 00'10'07" west a distance of 213.13 feet to the north west Corner of said lot one; Thence along the northerly line of lots 1 and 2, said block 2, north 89'56'44" east a distance of 108.48 feet to the north east corner of said lot 2; Thence along the easterly line of said lot 2, south 00'11'54" east a distance of 213.07 feet to the southeast corner of said lot 2; Thence along the southerly line of said lots 1 and 2, south 89'54'50" west a distance of 108.59 feet to the point of beginning.

containing a total area of 23,128 sq. Ft. Or 0.53 acres more or less.

SITE BM = DENVER SMH- 1, NAVD88 RIM ELEVATION = 5389.4

DENVER SMH-1
RIM = 5389.4
INV = 5381.8

DENVER SMH-2
RIM = 5396.1
INV = 5387.1



Block 2, Southwest Gardens, Annex Filing No. 6, City of Englewood, County of Arapahoe, State of Colorado

Project Notes: This plan is based on site data provided by Patric Dougherty PE from Dougherty Surveyors, Inc. and the Windrose Minor Subdivision Platt by Flatirons, Inc. Dated January 25, 2015. And by new building locations and drive way and water and sewer service pipes provided by the client, Mr. E.J. Thompson. There are many utilities in this plan area which are not shown for clarity for the limited purpose of the approval of sanitary sewer service by the City & County of Denver to properties outside that City. Specifically, in this case, to provide service to two (2) new Single Family Dwellings in the City of Englewood, Colorado. The exact city boundary line between Denver and Englewood is based on best available information but is not guaranteed absolutely accurate.

Knapp and Associates
Consulting Engineers
Civil - Structural
9210 W Ontario Dr. Littleton, CO 80128-4028
(303) 898-8908 www.knappandassoc.com

Service Tap Pans
Sanitary Sewer Service
Outside City of Denver
2420 & 2424 S Zuni St.
Englewood, Colorado 80128

This Plan is limited
for use of Denver City Council approval
of sewer service outside of city boundaries
all non-Denver utilities both overhead and
below grade are not shown for clarity

Changes to Plan	
#	DESCRIPTION

my Registration Expires 10/31/19

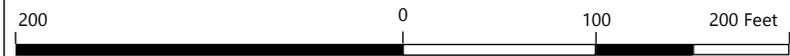
PROFESSIONAL ENGINEER
26744
5/17/19

K&A,CE Project # 19-02
Dwg Title:
DRAWN BY: gpk, Sr.
CHK'D BY:
COPYRIGHT: Knapp and Associates
SHEET # 1



Legend

-  UDFCD FHAD Floodplains
- Sanitary Fitting**
 -  Air/Vacuum Release Valve and Val
 -  Cap
 -  Concentric Reducer
 -  Connector
 -  Coupling
 -  Gradebreak
 -  High Point Fitting
 -  Junction
 -  Plug
 -  Plug Valve
 -  Presumed Fitting
 -  Rubber Gasket
 -  Split Flow Fitting
 -  Tap Fitting
 -  Tee
 -  Unknown
- Sanitary Cleanout**
 -  Cleanout
 -  Flushing Structure
 -  Lamp Hole
 -  Split Flow Cleanout
 -  Tap Cleanout
- Sanitary Structure**
 -  Cross Over Valve Vault
 -  Diversion Chamber
 -  Diversion Point
 -  Headwall
 -  Junction Chamber
 -  Pump
 -  Lift Station
 -  Split Flow Structure
 -  Tap Structure
 -  Unknown
- Sanitary Taps**
 -  Riser
 -  Tap
 -  Tap Cutoff
 -  Wye





April 30, 2019

Danny Harris, P.E., CFM
Senior Engineer
Public Works, Development Engineering Services, Wastewater
City and County of Denver

RE: Duplex Development – 2420 & 2424 S. ZUNI ST., ENGLEWOOD, CO.

There are no City of Englewood sanitary facilities/mains in S. ZUNI ST. fronting the said address to provide sanitary collection services to this proposed development. Therefore, the logical route is for the development to connect to the City and County of Denver's sanitary sewer main that exists in S. ZUNI ST. The City of Englewood understands that sanitary sewer system development fees and monthly sewer fees will be paid to the City and County of Denver. There are no fees and costs to be paid to Englewood Utilities. However, applicant/owner of the development is required to coordinate with Englewood Public Works to obtain ROW permit and pay required fees/costs for work within S. ZUNI ST. ROW as well as conform to any other applicable requirements.

Please feel free to call or email me with any questions or if any additional information is required.

Sincerely,

A handwritten signature in blue ink that reads "Konad Krori".

Konad Krori, P.E.
Utilities Engineer – IV
Englewood Utilities

4/30/2019

303-762-2652 (Direct)
kkrori@englewoodco.gov



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
Service Area Code: 04080000

Use: Residential
SFRE:

Reduced or Exempt Fee:
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.

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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

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.

DRAFT

FLOODPLAIN PERMIT CONDITIONS:

Number: Condition:

DRAFT

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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