09SR056

EROSION AND SEDIMENT CONTROL NARRATIVE

Site Name Founders Plaza Tract 17 of Rapid City Greenway Tracts Owner/Developer
City of Rapid City
300 6th Street
Rapid City, SD 57701

Engineer General
Fisk Land Surveying & UNDET
Consulting Engineers, Inc.

P.O. Box 8154

Rapid City, SD 57709

General Contractor
UNDETERMINED

PROJECT DESCRIPTION

Founders Plaza shall consist of 5,500 SF of PCC pavement with saw cuts and colored stain treatment to replicate the original town platting of lots and blocks for the City of Rapid City. The project is located in Tract 17 of the Rapid City Greenway.

EXISTING SITE CONDITIONS

The site is undeveloped Greenway property located within the Floodway. The site drains through shallow ponds northward.

ADJACENT AREAS

North: Undeveloped/Rapid Creek East: Undeveloped/Greenway

South: Concrete art sculpture/ sand volleyball courts

West: Parking Lot / Farmers Market

SOILS Unknown

AREA AND VOLUME DISTURBED

Disturbed area consists of excavation for base course and paving, and a sediment basin for Stormwater Quality compliance.

The total area to be disturbed is 6,000 SF \pm (0.14 Ac).

EROSION CONTROL MEASURES

Seeding and mulching disturbed, unpaved areas.

AREA FOR STOCKPILES AND STORAGE

Stockpile area for base course is shown on the Erosion Control Plan.

No storage areas are required.

EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE

Phase 1: Install Compost Filter Socks and Contact Information Sign prior to initial inspection and prior to excavation. (See Plan)

Phase 2: Upon completion of infrastructure and paving, convert temp sediment basin to permanent sediment basin, seed/mulch disturbed areas in accordance with the City of Rapid City Standard Specification (2007 Edition) Phase 1 measures to remain in place.

Phase 3: When disturbed areas are stabilized, remove sediment control devices and file notice of termination with the State.

CONSTRUCTION AND ESC SEQUENCE SCHEDULE PERMANENT STABILIZATION MEASURES

Upon completion of PCC Pavernent and construction of Permanent Sediment Basin, seeding, mulching and watering disturbed, unpaved areas in accordance with the aforementioned Standard Specifications until vegetation is established.

STORMWATER MANAGEMENT CONSIDERATIONS

Stormwater from infrastructure improvements will flow westerly into a sediment trap, a continuation of the preconstruction condition on the divide between the Jackson Blvd and Downtown Drainage Basins.

MAINTENANCE

Inspection of Erosion and Sediment Control Measures should be scheduled weekly and following any storm event of 0.5 inches or greater. All measures will be maintained in good working order. Inspection and maintenance will continue until all disturbed areas have reached final stabilization.

Paved streets adjacent to the site shall be cleaned at the end of each working day to remove sediment buildup from construction activities.

SPILL PREVENTION

Petroleum Products: Onsite construction equipment will be monitored for leaks & receive regular preventative maintenance. Asphalt, Chemical and Fertilizers: The use of fertilizers is anticipated. Concrete Trucks: Concrete Trucks will discharge surplus concrete only in designated Concrete Washout Areas (See ESC Plan).

SPILL CONTROL PRACTICES

Chemical and petroleum product spills of toxic or hazardous material will be reported to the appropriate Federal, State or Local Government agency. All spills will be cleaned up immediately after discovery.

SOIL SURFACE STABILIZATION PRACTICES

After construction begins, soil surface stabilization shall be applied within 14 days to all disturbed, areas that may not be at final grade but will remain dormant (undisturbed) for periods longer than 21 calendar days. Within 14 days after final grade is reached on any portion of the site, permanent or temporary soil surface stabilization shall be applied to disturbed areas and soil stockpiles.

MAXIMUM LIMITS OF LAND EXPOSURES FOR SELECTION OF EROSION CONTROLS

Erosion Control Method	Max Allowable period of exposure (months)
Surface Roughening	N/A
Mulching	12
Temporary Revegetation	12-24
Permanent Revegetation	24 or more
Soil Stockpile Revegetation	2
Early Application of Road Base	5.7 7 1 1.5

SITE PLAN

The existing contours are shown at one quarter foot intervals. The proposed are at one foot intervals. The compost filter socks and temporary/permanent sediment traps are shown on the plan.

NOTICE OF INTENT (Permit No ______)

A notice of intent has not been filed with DENR.

WETI ANDS

No wetlands will be impacted with this project.

DEWATERING

Dewatering operations are not expected. If needed, a general dewatering permit will be obtained from DENR.

EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

This erosion and sediment control narrative and attached erosion and sediment plan appears to fulfill the technical criteria and the criteria for erosion control and the requirements of the City of Rapid City. I understand that additional erosion and sediment control measures may be needed if unforeseen erosion problems occur or if the submitted plan does not function as intended. The requirements of this plan shall run with the land and be the obligation of the responsible party until such time as the plan is completed, modified or voided.

Date

er/Developer		

ENGINEER'S CERTIFICATION

I hereby certify that these plans were prepared under my direct supervision and that I am a duly registered

Professional Engineer under the laws of the State of South Dakota.

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Fisk Land Surveying & Consulting Engineers, Inc. 1772 was freed for the freed from the freed fro

Founders Plaza Rapid City Greenway Tract Rapid Clty

> Urveyed by ML, BL Date 4/25/06

Drawn by: RWF

WF WF

Revisions

E&S Narrative

Per Jenes No.



1" = 30" August 23, 2006 key May 14, 2009 Basis of Bearings Assumed Flexitions NGAD29

PRELIMINARY

Founders Plaza 17 Rapid City Greenway Rapid City

Tract

DETAIL KEY

VTC) Vehicle Tracking Control - Detail 146-5

0

Concrete Art Place

Erosion Control Wattle - Detail 146-32

Temporary Sediment Trap — Detail 146—13

CWA) Concrete Washout Area - Detail 146-31

Compost Filter Socks by FILTREXX shall be a suitable alternative to the details referred to hereon.

Plan and details shown hereon shall conform to the City of Rapid City Stormwater Quality Manual 2007 Edition

Crass Buffer & Saddment Trop 1020 SF

Material Stockphe (CWA) (**)

Sidewalk

NOTE: Sidewalk closure and panel replacement as necessary.

NOTE: Restore VTC by removing rock, grading and reseeding to original contours.

Bike Path

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