

Water Pollution Control Program (WPCP)
Trenching for Sanitary Sewer Force Main Installation
5600 S. Hwy 1 Elk, Ca.
APN 127-170-08

WATER POLLUTION CONTROL PROGRAM (WPCP)
For

Trenching for Sanitary Sewer Force Main Installation
5600 S. Hwy 1.
Elk, Ca.

Prepared for:

California Department of Transportation
100 Lake Mendocino Drive
Ukiah, California
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(707) 463-5722

Submitted by:

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WPCP Preparation Date

September 14, 2014

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Section 1 WPCP Certification and Approval

1.1 Contractor's Certification and Approval by MCDOT

CONTRACTOR'S CERTIFICATION OF WPCP

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

 Signature

 Date

Bryan Paulson

(707) 937-0492

MENDOCINO COUNTY RESIDENT ENGINEER'S APPROVAL OF WPCP

I, and/or personnel acting under my direction and supervision, have reviewed this WPCP and find that it meets the requirements set forth in the Special Provisions, the Caltrans Construction Site Best Management Practices Manual, the Caltrans SWPPP and WPCP Preparation Manual (March 2003), and the Standard Specifications Section 7-1.01G – Water Pollution.

 CalTrans

 Date of WPCP Approval

Jim Shupe

(707) 463-5722

Section 2 Project Information

1. Introduction and Project Description

The work to be performed consists of trenching and/or directional drilling approximately 1600ft along California Route 1 in order to place a new sanitary sewer force main. The new 2in diameter pvc force main will be installed inside a 6in diameter hdpe casing per Caltrans. In addition to the proposed 2in force main we plan to install a 2in pvc pipe within the same casing to act as a spare and/or backup. The new sanitary sewer force main will connect the Harbor House Inn to a future leachfield which is proposed for the east side of State Route 1 approximately ¼ mile south of the Harbor House.

Construction activities will include:

Asphalt saw cutting throughout the length of the proposed pipe placement.

Trench excavation and spoils off haul to an approved disposal site per the California Department of Transportation encroachment permit.

Pipe Placement.

Trench Backfill. Backfill will be 100% import. Sand, cl II base, cement slurry and asphalt concrete.

During all work activities T-13 traffic control will be in effect.

Total area of disturbance approximately 3200 sqft.

2. Unique Site Features

Limited work space and lay down area.

3. Project Schedule

The schedule for the work from start to finish will be 20 working days.

4. Potential Pollutant Sources

- a) Accidental fuel spills or equipment malfunction.
- b) General construction debris such as, excess pipe materials, and general construction site litter.
- c) Slurry from AC sawing.

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d) Slurry from directional drilling.

Section 3

Pollution Sources and Control Measures

3.1 Soil Stabilization and Sediment Control (Attachment C)

3.1.1 Temporary soil stabilization BMP's.

The selected temporary soil stabilization BMP's will be implemented to control erosion on the construction site. Implementation and locations of temporary soil stabilization BMP's are shown on the WPCDs and/or described in this section. The BMP working details that will be adhered to are found in the onsite Construction Site BMP's Manual. The following list of BMP's and narrative explains how the selected BMP's will be incorporated into the project.

- a) Placement of straw where vegetation can not be preserved.
- b) Redwood mulch.
- c) Outlet protection/velocity dissipation devices.
- d) Use of plastic sheeting to protect exposed soils where straw or other means is not practical.
- e) Preservation of existing vegetation.
- f) Scheduling.

Soil stabilization materials and equipment will be available onsite to be utilized when measurable precipitation is forecast. Exposed dirt will be covered with plastic and secured by weights to prevent erosion of new construction. If excessive surface runoff is present, earthen swales and waterbars will be constructed with appropriate dissipation structures.

3.1.2 Temporary Sediment Control BMP's

The selected temporary sediment control BMP's will be implemented to control erosion on the construction site. Implementation and locations of temporary sediment control BMP's are shown on the WPCD and/or described in this section. The BMP working details that will be adhered to are found in the onsite Construction Site BMP's Manual. The following list of BMP's and narrative explains how the selected BMP's will be incorporated into the project.

- a) Silt Fence.
- b) Fiber Rolls.
- c) Straw Bale Barriers.
- d) Gravel Berms.

Fiber rolls will be placed in conjunction with gravel berms along flow lines of nearby drainage ditches.

3.1.3 Tracking Control BMP's

The selected tracking control BMP's will be implemented to control erosion on the construction site. Implementation and locations of tracking control BMP's are shown on the WPCDs and/or described in this section. The BMP working details that will be adhered to are found in the onsite Construction Site BMPs Manual. The following list of BMP's and narrative explains how the selected BMP's will be incorporated into the project.

a) Sweeping.

As necessary construction entrances will be developed, maintained and relocated as necessary to keep mud and debris from entering roadways outside the construction areas. Where debris does enter the roadway outside of the construction area it will be swept up and contained.

3.1.4 Wind Erosion Control BMP's

The natural terrain along Little River Airport Rd. where this project is located is very protected by hills and mature native forests. Wind blown soils should not be encountered on this project.

3.2 Non-Storm Water Management BMP's

The selected non-storm water management BMP's will be implemented to control erosion on the construction site. Implementation and locations of non-storm water management BMP's are shown on the WPCDs and/or described in this section. The BMP working details that will be adhered to are found in the onsite Construction Site BMP's Manual. The following list of BMP's and narrative explains how the selected BMP's will be incorporated into the proje

- a) Equipment Fueling.
- b) Illicit Discharge/Illegal Dumping Reporting.

If required Equipment fueling will occur away from slopes and drainage ditches. HazMat absorption pads will be onsite at all times to handle fuel spills should they occur. Contaminated soils will be collected and containerized. Considering the short duration of this project refueling on site is not anticipated.

3.3 Waste Management and Materials Pollution Controls BMP's

The selected waste management and materials pollution control BMP's will be implemented to prevent the release of waste materials into storm water discharges on the construction site. Implementation and locations of waste management and materials pollution control BMP's are shown on the WPCD's and/or described in this section. The BMP working details that will be adhered to are found in the onsite Construction Site BMP's Manual. The following list of BMP's and narrative explains how the selected BMP's will be incorporated into the project.

- a) Solid Waste Management.
- b) Spill Prevention and Control.
- c) Materials Delivery and Storage.

Solid waste management consists of the containment and off haul of all debris generated during the course of construction. Garbage and trash will be removed in a timely manner. The general appearance of the job will be organized and free of debris. All excess materials will be stored away from slopes or drainage ditches and hauled away on a timely basis.

3.4 Water Pollution Control Drawings

Attachment A:

Included in Attachment A (working drawings) is the proposed construction layout and the positioning of associated BMP's for clearing and grubbing, excavation, staging, and all other phases of construction.

- 3.5 Cost Breakdown for Water Pollution Control Plan. (Not Applicable)
- 3.6 Construction BMP Maintenance, Inspection, and Repair.

Inspections will be conducted as follows:

1. Prior to a forecast storm.
2. After a rain event that causes runoff from the construction site.
3. At 24-hour intervals during extended rain events.
4. Weekly during the rainy season.
5. Every 2 weeks during the non-rainy season.
6. At any other time(s) or intervals of time specified in the project Special Provisions.

Attachment C:

ATTACHMENT D

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See Caltrans Attachment C for inspection schedules and documentation.

Section 4

Amendments

The WPCP shall be amended whenever there is a change in construction or operations that may cause the discharge of significant quantities of pollutants to surface waters, ground waters, or when deemed necessary by MCDOT. All WPCP amendments shall be documented in letter format and include revised WPCD sheets, as appropriate. WPCP amendments shall be certified by the contractor and require approval by the Resident Engineer.

Included in the amendment, as appropriate:

- a) Who requested the amendment.
- b) Location of proposed change.
- c) Reason of change.
- d) Original BMP proposed.
- e) Description of new BMP proposed.

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Construction Contractor's Certification of the WPCP Amendment

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 Date

Bryan Paulson

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MCDOT Approval of WPCP

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Section 5 Reporting

5.1 Discharge Reporting

If a discharge occurs or if the project receives a written notice or order from any regulatory agency, the contractor will immediately notify the Engineer and will file a written report to the Resident Engineer within 7 days of the discharge event, notice, or order. Corrective measures will be implemented immediately following the discharge, notice or order. All discharges shall be documented on a Discharge Reporting Log.

The report to the Resident Engineer will contain the following items:

- a) The date, time, location, nature of operation, and type of discharge, including the cause or nature of the notice or order.
- b) The BMP's deployed before the discharge event, or prior to receiving notice or order.
- c) The date of deployment and type of BMP's deployed after the discharge event, or after receiving the notice or order, including additional BMP's installed or planned to reduce or prevent re-occurrence.
- d) An implementation and maintenance schedule for any affected BMP's.

Discharges requiring reporting include:

- a) Storm water from a DSA discharged to a waterway without treatment by a temporary construction BMP.
- b) Non-storm water, except conditionally exempted discharges, discharged to a waterway or a storm drain system, without treatment by an approved control measure (BMP).
- c) Storm water discharged to a waterway or a storm drain system where the control measures (BMP's) have been overwhelmed or not properly maintained or installed.
- d) Discharge of hazardous substances above the reportable quantities in 40 CFR 117.3 or 302.4.
- e) Storm water runoff containing hazardous substances from spills discharged to a waterway or storm drain system.
- f) Discharges that may endanger health or the environment.
- g) Other discharge reporting as directed by the Resident Engineer.