

**CITY OF YREKA BUILDING DEPARTMENT  
GENERAL PERMIT APPLICATION  
INFORMATION**

This supplemental information prepared by the City of Yreka Building Department is intended as a guide for the owner/builder. The information is specific to a single family dwelling (including additions), however the plans and specifications required for residential accessory buildings can be extracted from the contents. All residential dwellings (additions) and residential accessory structures are to be designed by licensed persons.

**BUILDING PLANS – WHAT YOU WILL NEED**

General Requirements: Plans shall be black or blue line. Please avoid any “added” changes in ink or pencil. All pages should be the same size (18” x 24” min.) and bound on one side. You are required to submit two (2) complete sets of your house plans and specifications to the Building Department for plan checking. The plans must be drawn to scale and clearly indicate the location, nature and scope of all work proposed. All plans must be signed by the person who is responsible for the plans. The plans must clearly show how the structure is to be constructed, as well as all pertinent code requirements. The buildings plans must include at least the following details and include required reports & documents that pertain to your project.

- A. Plot Plan
- B. Floor Plan
- C. Foundation Plan
- D. Exterior Elevation
- E. Framing Plans for Floor and Roofs (Truss sheets 40 lb. roof snow load)
- F. Cross Section
- G. Framing and Foundation Details

**Other required reports & documents**

Soils Report or Soils letter from licensed Engineer

Energy Compliance Documentation (Climate Zone 16)

Building Permit Applicant Form – Form attached

Low Impact Development (LID) Stormwater Form – Form/Information attached

Stormwater Pollution Prevention Program Form – Form attached

Please note: The omission of any of the above stated general items will result in the delay of plan checking or return of plans due to lack of information. The function of the Building Department is to ensure that safe and complying buildings are built in accordance with the rules governing the Building Department. Without adequate plans and specifications the Buildings Department cannot do its job, nor can you, the owner-builder. Please note that requirements are the same for licensed builders.

**TYPICAL EXAMPLES**

The following pages contain typical examples of the information required by your Building Department that would make up your building plans. A check list is provided at the top of each page.

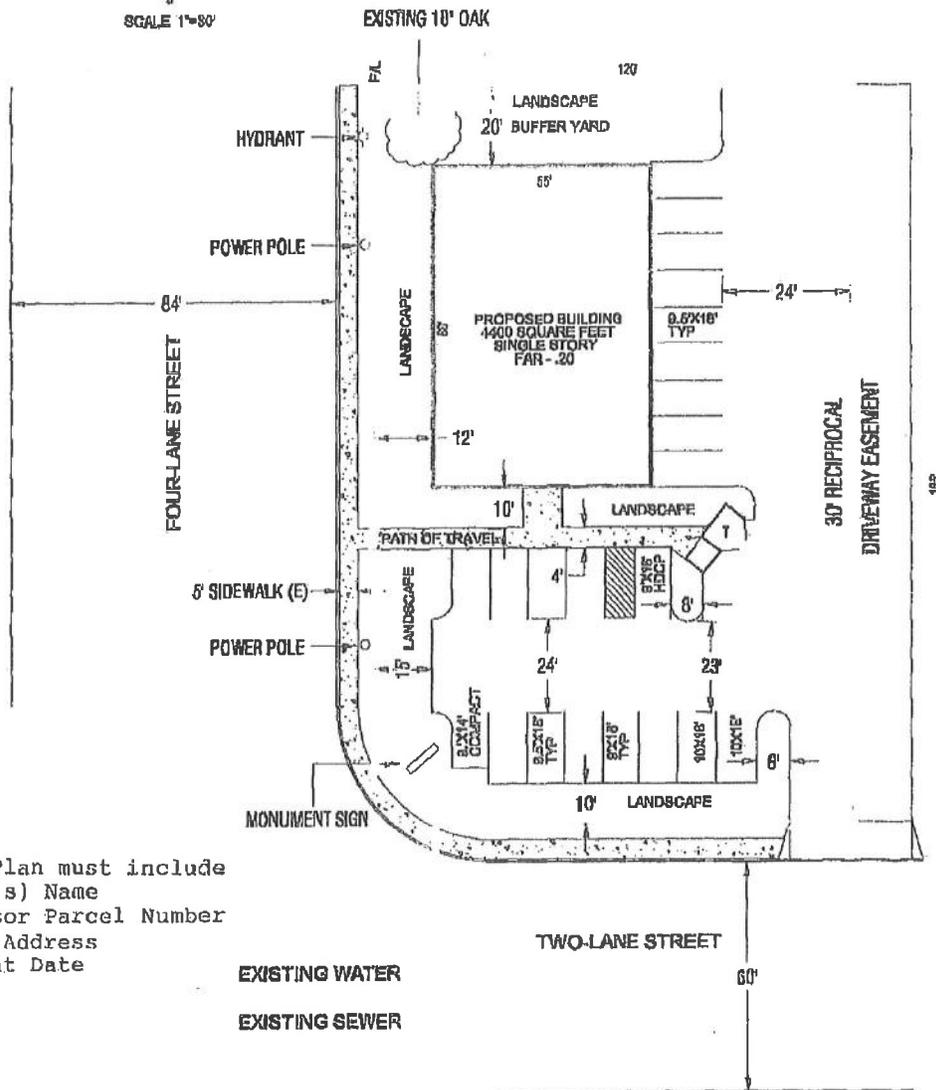
## TYPICAL PLOT PLAN

### (A) CHECK LIST FOR PLOT PLAN - 1/8" = 1' - 0"

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Name and address of owner</li> <li><input type="checkbox"/> Assessor's Parcel Number</li> <li><input type="checkbox"/> Property dimensions</li> <li><input type="checkbox"/> Dimensions of all building on property (both existing and proposed)</li> <li><input type="checkbox"/> Distances between buildings and from buildings to property lines</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Streets, roads, easements and driveways</li> <li><input type="checkbox"/> Grades, if lot is sloped</li> <li><input type="checkbox"/> Location of wells</li> <li><input type="checkbox"/> North arrow and scale (1" = 20' or larger is preferred)</li> </ul> |
|--|---|

Please note: Omission of any of these items may result in delay of plan checking or return of plans due to insufficient information.

## EXAMPLE SITE PLAN

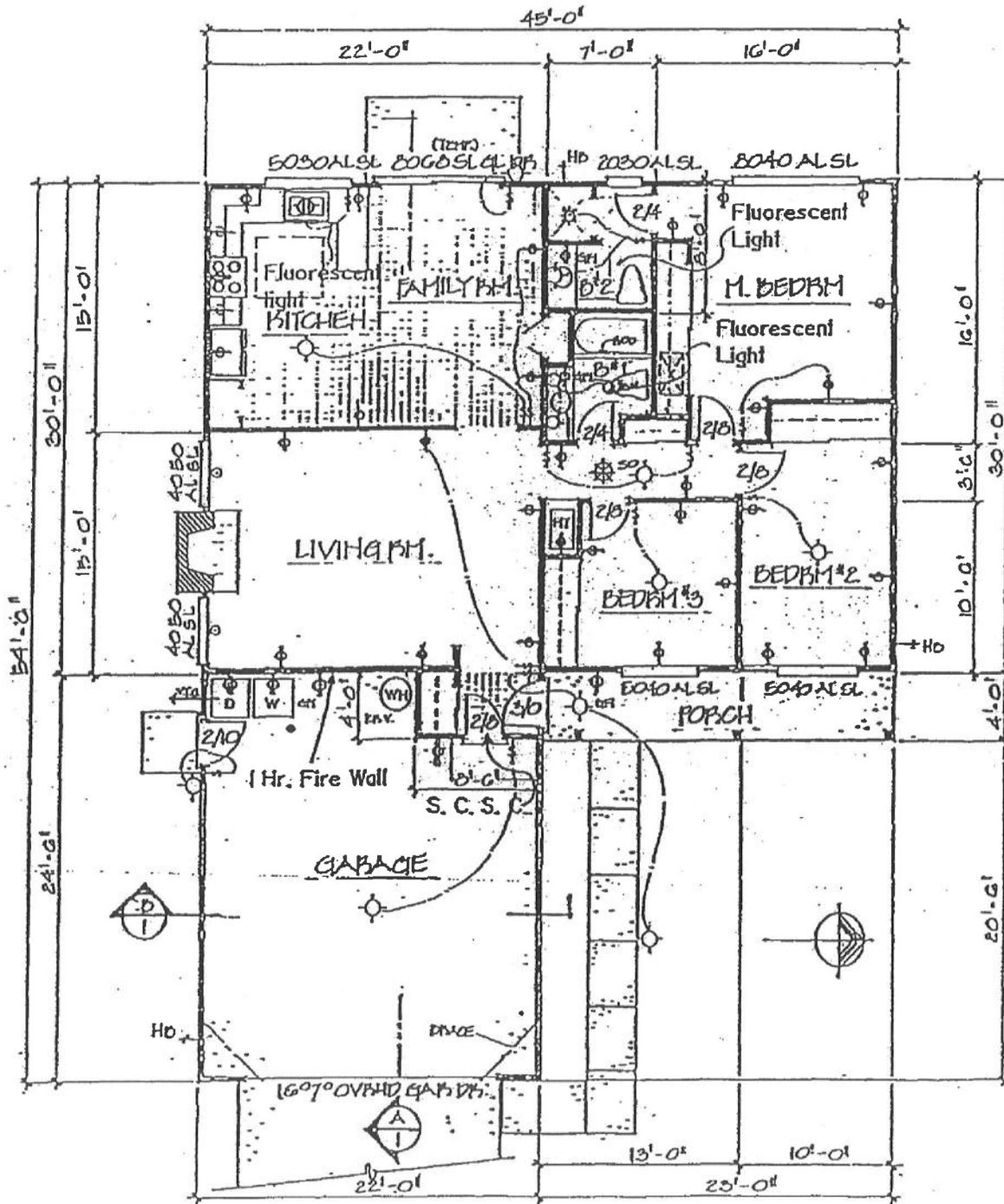


Site Plan must include  
 Owner(s) Name  
 Assessor Parcel Number  
 Situs Address  
 Current Date

PARKING SPACES REQUIRED - 1 SPACE / 200 SQ. FT. = 22 SPACES  
 PARKING SPACES PROVIDED - 22  
 LANDSCAPE REQUIRED - PARKING LOT - 1,320 SQ. FT.  
 ADDITIONAL - 220 SQ. FT.  
 LANDSCAPE PROVIDED - PARKING LOT - 1,525 SQ. FT.  
 ADDITIONAL - 1,122 SQ. FT.

(B) CHECK LIST FOR FLOOR PLAN - 1/4" = 1'-0"

- Completely dimension, show location, size and label each room
- Show location and size of windows and doors
- Indicate electrical switches, lights, receptacles and appliances
- Locate all plumbing and heating fixtures
- List floor area, window area and furnace size on plans
- Floor elevation if in flood plain
- North arrow
- Electrical Service Equipment size and location
- Water Service gate valve and sewer cleanout
- Waterheater and heating and cooling appliances listed by Make, Model and Size



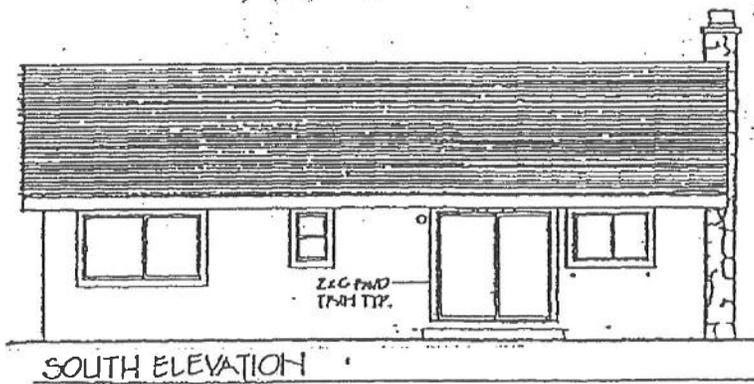
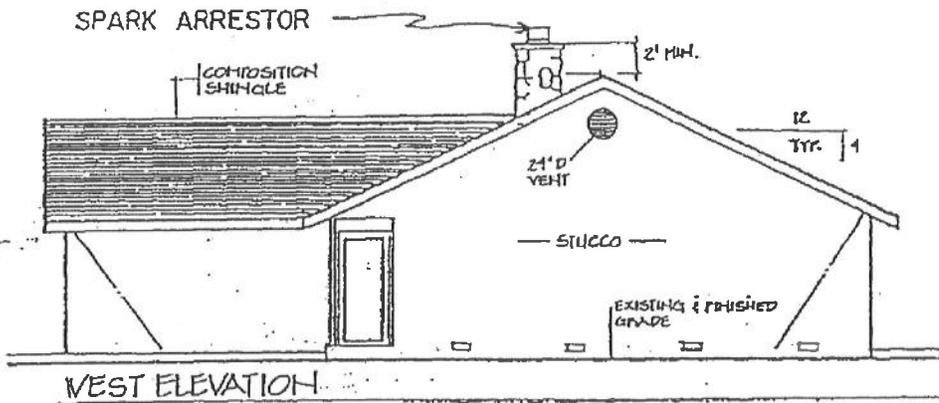
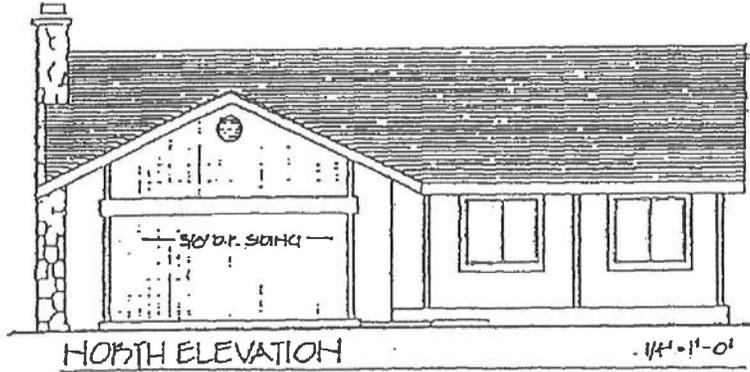
FLOOR PLAN

*A. Signature*



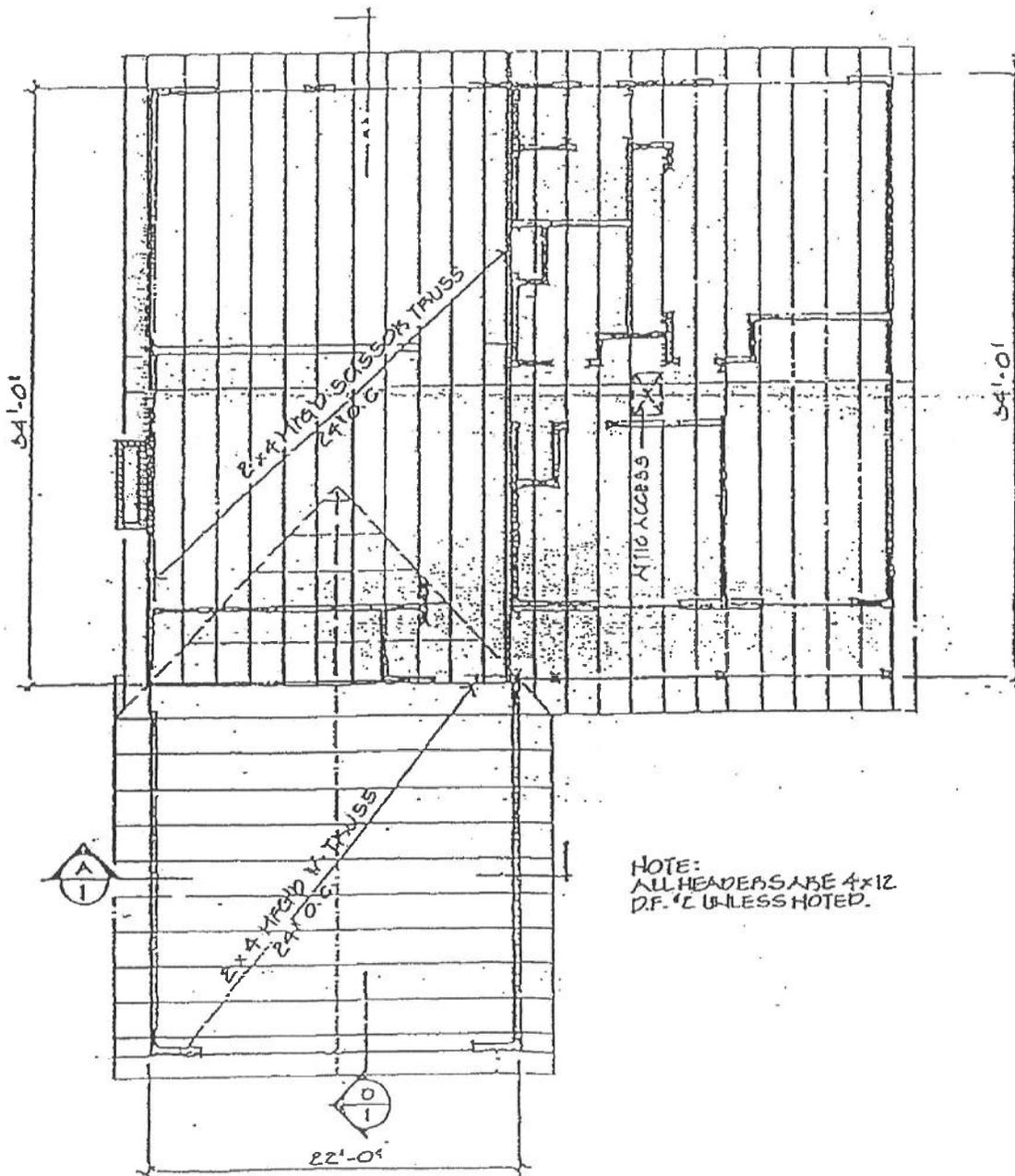
(D) CHECK LIST FOR EXTERIOR ELEVATIONS - 1/4" = 1' - 0"

- Provide a minimum of 3 elevation views showing all openings
- Indicate wall finish material
- Indicate roof material and pitch
- Show original and finish grade
- Show stepped footing outline



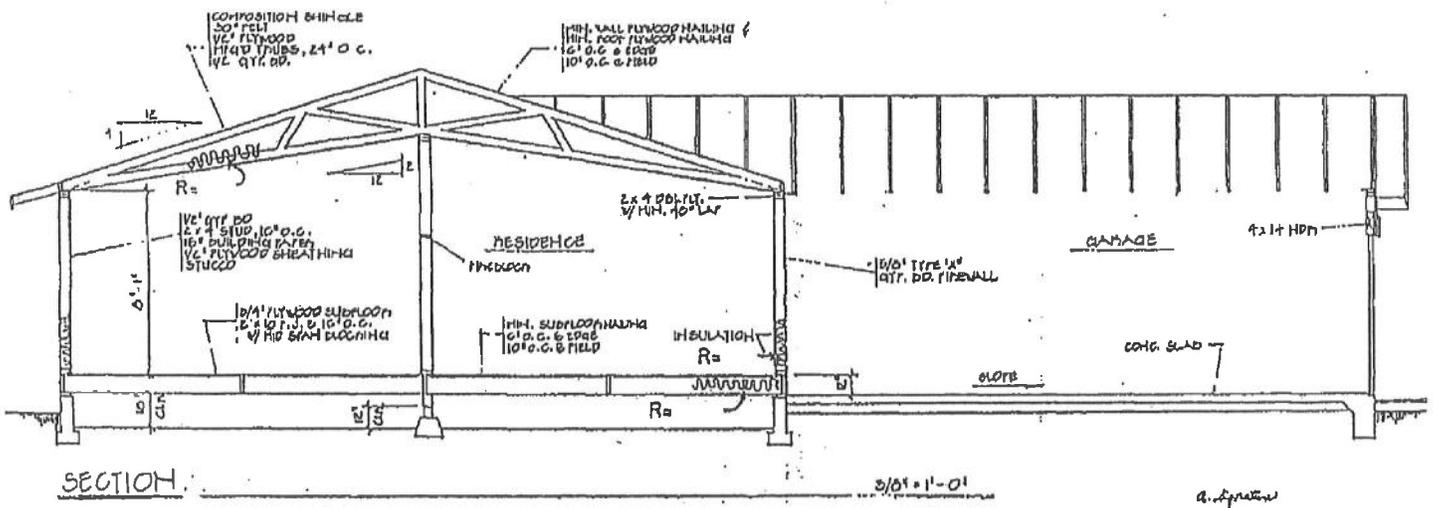
**(E) CHECK LIST FOR FRAMING PLANS OF FLOORS AND ROOFS - 1/4" = 1' - 0"**

- Show floor joist size, grade and spacing
- Show double joists under non-bearing parallel partitions
- Show girder sizes and provide framing support for concentrated loads down to footings
- Show rafter size, grade and spacing
- Show ceiling joist size, grade and spacing
- Indicate size of all headers
- Provide engineering calculations for all pre-manufactured trusses
- Locate attic and foundation access
- Indicate subfloor material



**(F) CHECK LIST FOR CROSS SECTIONS - 3/8" = 1' - 0"**

- Show as many sections as necessary to clearly indicate the construction
- Show 18" min. clearance under floor joists, 12" under girders
- Indicate ceiling heights
- Show interior finish materials
- Give typical wall assembly
- Give typical roof assembly
- Locate insulation and note "R" value
- Size all beams and headers







# BUILDING DEPARTMENT PERMIT APPLICATION

701 FOURTH ST.  
YREKA, CA 96097

PHONE # (530) 841-2322  
FAX # (530) 842-4836

[www.ci.yreka.ca.us](http://www.ci.yreka.ca.us)  
[building@ci.yreka.ca.us](mailto:building@ci.yreka.ca.us)

FOR OFFICE USE ONLY		DATE APPLIED FOR:	DATE ISSUED:	PERMIT #
<input type="checkbox"/> NEW	<input type="checkbox"/> ADDITION	<input type="checkbox"/> ALTERATION	<input type="checkbox"/> REPAIR	<input type="checkbox"/> REROOF
				<input type="checkbox"/> E/M/P
SPECIAL APPROVALS			TYPE OF ZONING:	
ITEMS	REQUIRED	DATE	BY	
PLANNING				
HEALTH DEPT.				
DRIVEWAY				
SIDEWALK				
CURB & GUTTER				
HISTORICAL				
UNDERGROUND UTILITIES				
PLAN CHECK FEE PAID:		CK#	DATE PAID:	

## PROPERTY/PROJECT DESCRIPTION

Property Location or Address \_\_\_\_\_

Assessor's Parcel Number \_\_\_\_\_

Description of work to be performed \_\_\_\_\_

### Estimated Project Cost:

This permit is to be issued in the name of the  Licensed Contractor or  the Property Owner as the Permit holder of record who will be responsible and liable for the construction.

## PROPERTY OWNER

Property Owner Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

## LICENSED DESIGN PROFESSIONAL (ARCHITECT OR ENGINEER)

Name \_\_\_\_\_ License No. \_\_\_\_\_ Tel No \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

## CALIFORNIA LICENSED CONTRACTOR DECLARATION

Company Name \_\_\_\_\_ Contact Person \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone \_\_\_\_\_ Email \_\_\_\_\_

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

CITY BUSINESS LICENSE NO. \_\_\_\_\_ CA LICENSE CLASS & NO. \_\_\_\_\_

CONTRACTOR SIGNATURE \_\_\_\_\_

## OWNER-BUILDER'S DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors State License Law [Chapter 9 – commencing with Section 7000] of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).

I, as owner of the property, or my employees with wages as their sole compensation, will do  all of or  portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built or improved for the purpose of sale.

I, as owner of the property, am exclusively contracting with license Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a license Contractor pursuant to the Contractors' State License Law).

I am exempt from licensure under the Contractors' State License Law for the following reason: \_\_\_\_\_

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following website: <http://www.leginfo.ca.gov/calaw/html>.

PROPERTY OWNER OR AUTHORIZED AGENT SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## WORKERS' COMPENSATION COVERAGE

**WARNING:** FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. \_\_\_\_\_

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier \_\_\_\_\_ Policy No \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name of Agent \_\_\_\_\_ Tel No \_\_\_\_\_

I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provision.

## DECLARATION REGARDING LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

## DECLARATION STATEMENT

By my signature below, I certify to each of the following:

I am  a California licensed contractor or  the property owner\* or  authorized to act on the property owner's behalf.\*\*

I have read this construction permit application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction. I authorize representatives of this city or county to enter the above-identified property for inspection purposes.

California Licensed Contractor, Property Owner\* or Authorized Agent\*\*

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

\*requires separate verification form

\*\*requires separate authorization form



## CITY OF YREKA LOW IMPACT DEVELOPMENT (LID) STORMWATER / MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

### Applicability

The requirements for stormwater management are determined by the type and scale of the project. The following table provides an overview of the various project types and requirements that apply.

<b>Table 1. Applicable Standards Based on Project Type</b>	
<b>Type of Project</b>	<b>Required Submittals:</b>
<p><b>Exempt Projects</b> Exempt Projects include:</p> <ul style="list-style-type: none"> <li>• Interior remodels and routine maintenance or repair such as exterior wall surface replacement;</li> <li>• Reroofing of an existing building;</li> <li>• Asphalt or paving overlays and resurfacing of existing surfaces. "Replacement, Development, or Redevelopment" is defined as work that replace existing surfaces down to subgrade and are not exempt; and</li> <li>• Linear Underground Projects (LUPs) unless the LUP has a discreet location that has 5,000 square feet or more of newly constructed impervious surface</li> </ul>	<ul style="list-style-type: none"> <li>• Stormwater Information Sheet</li> </ul>
<p><b>Small Projects</b> Small Projects include:</p> <ul style="list-style-type: none"> <li>• Single-Family Homes that create or replace 2,500 square feet (SF) or more of impervious surface; and</li> <li>• Projects that create or replace between 2,500 and 5,000 SF of impervious surface</li> </ul>	<ul style="list-style-type: none"> <li>• Stormwater Information Sheet</li> <li>• Follow instructions in Part 2 of this manual.</li> </ul>
<p><b>Regulated Projects</b> Regulated Projects include:</p> <ul style="list-style-type: none"> <li>• Projects other than <i>Single -Family Homes</i> that create or replace 5,000 SF or more of impervious surface.</li> </ul>	<ul style="list-style-type: none"> <li>• Stormwater Information Sheet</li> <li>• Follow instructions in Part 3 of this manual.</li> </ul>
<p><b>Regulated Redevelopment, Roads, and Linear Underground Projects</b> Regulated Redevelopment, Roads, and Linear Underground Projects include:</p> <ul style="list-style-type: none"> <li>• See MS4 Permit, Section E.12.c (pg. 50) for additional description and details of applicable Redevelopment, Road and Linear Underground projects requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• Requirements vary; contact PBS with project jurisdiction.</li> </ul>
<p><b>Additional Requirements:</b> By June 30, 2016, Projects over 1-acre in size are required to implement hydromodification management in addition to water treatment measures (bioretention). In many cases the biotreatment facility will be sufficient for the hydromodification requirement. The hydromodification requirement is: post-project runoff shall not exceed estimated pre-project flow rate for the 2-year, 24-hour storm. A project that does not increase impervious surface area over the pre-project condition is not a hydromodification management project (MS4 permit Sec. E.12.f). Projects over 1- acre may be subject to the State Construction General Permit (CGP) Post-Construction Standards or may apply to the state for exemption from the CGP Post-Construction Standards, if project location falls within the MS4 General Permit areas.</p>	
<p><b>Definition of Impervious Surface:</b> A surface covering or pavement of a developed parcel of land that prevents the land's natural ability to absorb and infiltrate rainfall/storm water. Impervious surfaces include, but are not limited to: roof tops, walkways, patios, driveways, parking lots, storage areas, impervious concrete and asphalt, and any other continuous watertight pavement or covering. Landscaped soil and pervious pavement, including pavers with pervious openings and seams, underlain with pervious soil or pervious storage material, such as a gravel layer sufficient to hold the specified volume of rainfall runoff, are not impervious surfaces.</p> <p><b>Definition of Soil Disturbing Activities:</b> Any construction or demolition activity, including, but not limited to: clearing of vegetation, grading, grubbing, and disturbance to the ground such as stripping of top soils, soil compaction, excavation, and stockpiling or any other activity that results in a land disturbance that changes the physical condition of land forms, soils, vegetation, and hydrology.</p>	

**City of Yreka Low Impact Development Stormwater**

**STORMWATER INFORMATION SHEET**

**Instructions**

City of Yreka development projects shall comply with the post-construction requirements of the MS4 General Permit, which may include measures for site design, source control, runoff reduction, stormwater treatment, or baseline hydromodification management as applicable based on project type and size.

The California State Water Resources Control Board adopted Water Quality Order 2013-0001 (DWQ) issuing National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000004 Waste Discharge Requirements (WDRs) For Storm Water Discharge From Small Municipal Separate Storm Sewer Systems (MS4s) (General Permit), to further implement Phase II regulations.

The City of Yreka procedures, standards and specifications for implementing the post-construction requirements of the MS4 General Permit are contained in the Humboldt Low Impact Development Stormwater Manual which can be located on the Internet at [www.humboldt.gov/DocumentCenter/View/52640](http://www.humboldt.gov/DocumentCenter/View/52640).

The following checklist is to be completed by the applicant to determine which plans and specifications for stormwater runoff control are required.

**I. Construction Project Information (Completed by Applicant)**

Site Location Address \_\_\_\_\_ Assessor Parcel Number (APN) \_\_\_\_\_

Anticipated Construction Start Date: \_\_\_\_\_

Estimate Construction Completion Date: \_\_\_\_\_

Circle and/or list all applicable permits directly associated with construction or grading activity, and not limited to the following:

- State Construction General Permit (CGP)
- State 401 Water Quality Certification
- U.S. Army Corps 404 Permit
- CA Fish and Wildlife 1600
- Other (list): \_\_\_\_\_

A.) Is the construction site part of larger common plan of development or sale?  
Yes    No    Unknown    (circle one)

B.) Name of larger common plan/project (if applicable): \_\_\_\_\_

**II. Checklist (Completed by Applicant)**

A.) Total area of soil disturbing activity: \_\_\_\_\_ sq. ft. or \_\_\_\_\_ acres

If project disturbs 1 acre or more of soil then provide the State Construction General Permit WDID No.: \_\_\_\_\_

B.) Total area of new or replaced impervious surface: \_\_\_\_\_ sq. ft.    C.) Total Site Area \_\_\_\_\_ sq. ft. or \_\_\_\_\_ acres

Check Project Type as determined from LID Manual Part 1, Table 1 - Applicable Standards Based on Project Type

Project Type:	Notes:
<input type="checkbox"/> Exempt (less than < 2500 sq. ft.)	Sign and Certify this form with the attached Yreka Small Project Calculator Worksheet
<input type="checkbox"/> Small Project (2500 sq. ft. to 5000 sq. ft.)	Sign and Certify this form. Use the "state-approved" calculator at: <a href="http://www.owp.csus.edu/LIDTool/Start.aspx">http://www.owp.csus.edu/LIDTool/Start.aspx</a> for Small & Regulated Projects
<input type="checkbox"/> Regulated Project (Greater than >5000 sq. ft.)	Sign and Certify this form. Use the "state-approved" calculator at: <a href="http://www.owp.csus.edu/LIDTool/Start.aspx">http://www.owp.csus.edu/LIDTool/Start.aspx</a> for Small & Regulated Projects
<input type="checkbox"/> Regulated Project with ≥ 1 acre of created or replaced impervious surface	Sign and Certify this form. Use the "state-approved" calculator at: <a href="http://www.owp.csus.edu/LIDTool/Start.aspx">http://www.owp.csus.edu/LIDTool/Start.aspx</a> for Small & Regulated Projects
<input type="checkbox"/> Regulated Redevelopment, Roads, or Linear Underground Project	Sign and Certify this form. Requirements vary; contact PBS with project jurisdiction.

Stormwater runoff from the project site discharges to (check all that apply):

Storm Drain System (including installed management facilities & road side ditches).     Directly to waters of the State of U.S. (e.g. river, lake, Creek, stream, ocean, bay).     N/A

Indicate distance from project site to nearest watercourse: \_\_\_\_\_ ft.

**III. Construction Site Stormwater Pollution Prevention Plan Submittal Requirements OR Sediment/Erosion Control Plan (Provided by Applicant).**

A. If your project is covered under the State Water Resources Control Board Construction General Permit (CGP), attach a copy of the submitted Stormwater Pollution Prevention Plan (SWPPP) including the Notice of Intent and WDID Number.

B. If a CGP is not required for your project, submit appropriate construction site BMP plans as required by PBS with project jurisdiction.

**IV. Certification (Completed by Applicant)**

I, the below signed, confirm that I have accurately described my project to the best of my ability, and that I have not purposely omitted any detail affecting my project's classification for stormwater regulation

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**V. For Official Use Only**

Permit No.: \_\_\_\_\_

Submittal Date: \_\_\_\_\_

Received By: \_\_\_\_\_

## Yreka Small Projects Calculator - City of Yreka Low Impact Development Stormwater Manual

Project Information				Formulas	
Total Post-Project Impervious Surface Area (square feet)	A		square feet	Small Projects are < 2500 sf impervious	
24 hour - 85th Percentile Design Storm	B	0.78	Inch		
<b>Impervious Surface Runoff Value</b> (Potential Stormwater Runoff due to Impervious surface area and design storm value)	C	0	Gallons per 24 hours	<b>C = A x B x 0.083 x 7.48</b>	
<b>Site Design Measures (Credits)</b>					
<b>Tree Planting and Preservation</b>					
New Trees					
		# of trees			
100 square feet per deciduous tree	D		E	0	square feet
200 square feet per evergreen tree	F		G	0	square feet
		Canopy diameter (feet)			
Existing Trees (Credit for 50% of existing canopy area)					
Tree #1	H <sub>1</sub>		J <sub>1</sub>	0	square feet
Tree #2	H <sub>2</sub>		J <sub>2</sub>	0	square feet
Tree #3	H <sub>3</sub>		J <sub>3</sub>	0	square feet
<b>Rain Barrel or Cisterns (55 gallon minimum)</b>					
Square foot credit per gallon based on 24-hour, 85th Percentile Design Storm	K	2.5			
		Gallons			
Rain Barrels	L		M		square feet
Cisterns	N		P		square feet
<b>Impervious Area Disconnection</b>					
Credit per square foot of pervious receiving area	Q		square feet	Q = Enter square foot value	
<b>Soil Quality Improvement</b>					
Credit per square foot of soil quality improvement	R		square feet	R = Enter square foot value	
<b>Green Roof</b>					
Credit per square foot of green roof installation	S		square feet	S = Enter square foot value	
<b>Porous Pavement</b>					
Credit per square foot of porous pavement or pavers	T		square feet	T = Enter square foot value	
<b>Vegetated Swales</b>					
Credit per square foot of vegetated swale	U		square feet	U = Enter square foot value	
<b>Credits Total</b>	V	0	square feet	<b>V = E + G + J<sub>1</sub> + J<sub>2</sub> + J<sub>3</sub> + M + P + Q + R + S + T + U</b>	
<b>Post-Project Impervious Surface Area minus Site Design Measure Credits</b>	W	0	square feet	<b>W = A - V</b>	
<b>NEW Impervious Surface Runoff Value</b> (Potential Stormwater Runoff due to impervious surface area and design storm after implementation of Site Design Measures)	X	0	Gallons per 24 hours	<b>X = W x B x 0.083 x 7.48</b>	
<b>Percent reduction in Impervious Surface Runoff Value</b>	Y	#####	%	<b>Y = ((C - X) / C) x %100</b>	

**Green** Fill In [Enter Value]

**Red** Calculated Value

**Black** Fixed Value

Conversions Used:

1 inch = 0.083 feet

1 cubic foot = 7.48 gallons

Print Applicants Name: \_\_\_\_\_ Applicants Signature: \_\_\_\_\_

Site Location Address: \_\_\_\_\_ Assessor Parcel Number (APN): \_\_\_\_\_

Date: \_\_\_\_\_

**Low Impact Development Stormwater  
Calculator information for project over 2500 sq. ft.  
City of Yreka**

**Refer applicants to the website below** to complete the web-based tool that assists stormwater practitioners in selecting and sizing LID Best Management Practices (BMPs) that meet the sizing requirements set forth in California's National Pollutant Discharge Elimination System (NPDES) permit for stormwater discharges from small separate storm sewer systems (MS4s).

**The "state-approved" calculator is at:**  
**<http://www.owp.csus.edu/LIDTool/Start.aspx>**

This tool allows users to input their location, soil type, and impervious areas, and then queries a database containing pre-solved sizing factors and design curves for a variety of LID BMP types, performs permit-based sizing calculations, and tabulates allowable sizes for each LID BMP type. Sizing results are provided based on three different sizing methods allowed by the Phase II permit: a Design Storm Method, a Percent Capture Method, and a Baseline Bioretention or Equivalent Performance Method. Sizing results are also provided for the Central Coast RWQCB (Region 3) simple sizing method adopted via resolution [R3-2013-0032](#). Users are also provided references for considering LID BMP feasibility factors beyond sizing, such as site topography and geometry and LID BMP maintenance requirements and costs. The tool includes training [videos](#) to visually instruct users on various aspects of the tool's interface, input, and output. Further information about the tool and its development is provided in the [Documentation Manual](#).

Development of this tool was funded by the California State Water Resources Control Board's (SWRCB) Proposition 84 Stormwater Grant Program (SWGPP).

The tool consists of a website that is linked to a database through a server. The database stores precipitation and evaporation data for multiple geographic locations throughout California, pre-defined parameters for multiple LID BMP types and project soil types, and pre-solved design curves based on SWMM 5 modeling. Over 13,000 SWMM simulations were run to develop these curves. After the user enters project information into the tool's website, the server queries the database, performs calculations, and tabulates the areas required for various LID BMP types.

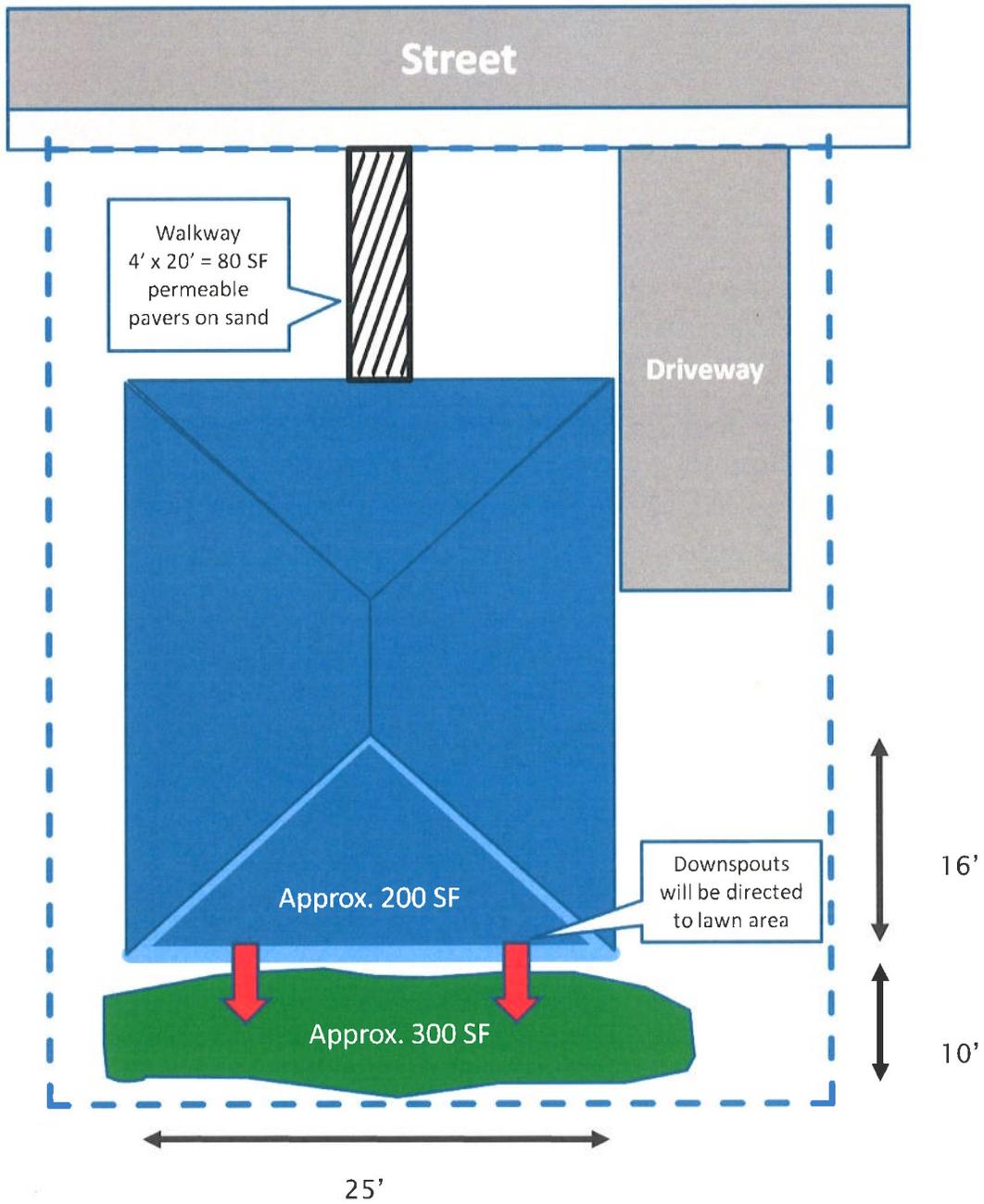
The Humboldt LID Stormwater Manual can be found on the following website for more information regarding MS4.

<http://northcoaststormwatercoalition.org/index.php/low-impact-development-lid-2/>

### Example Sketch

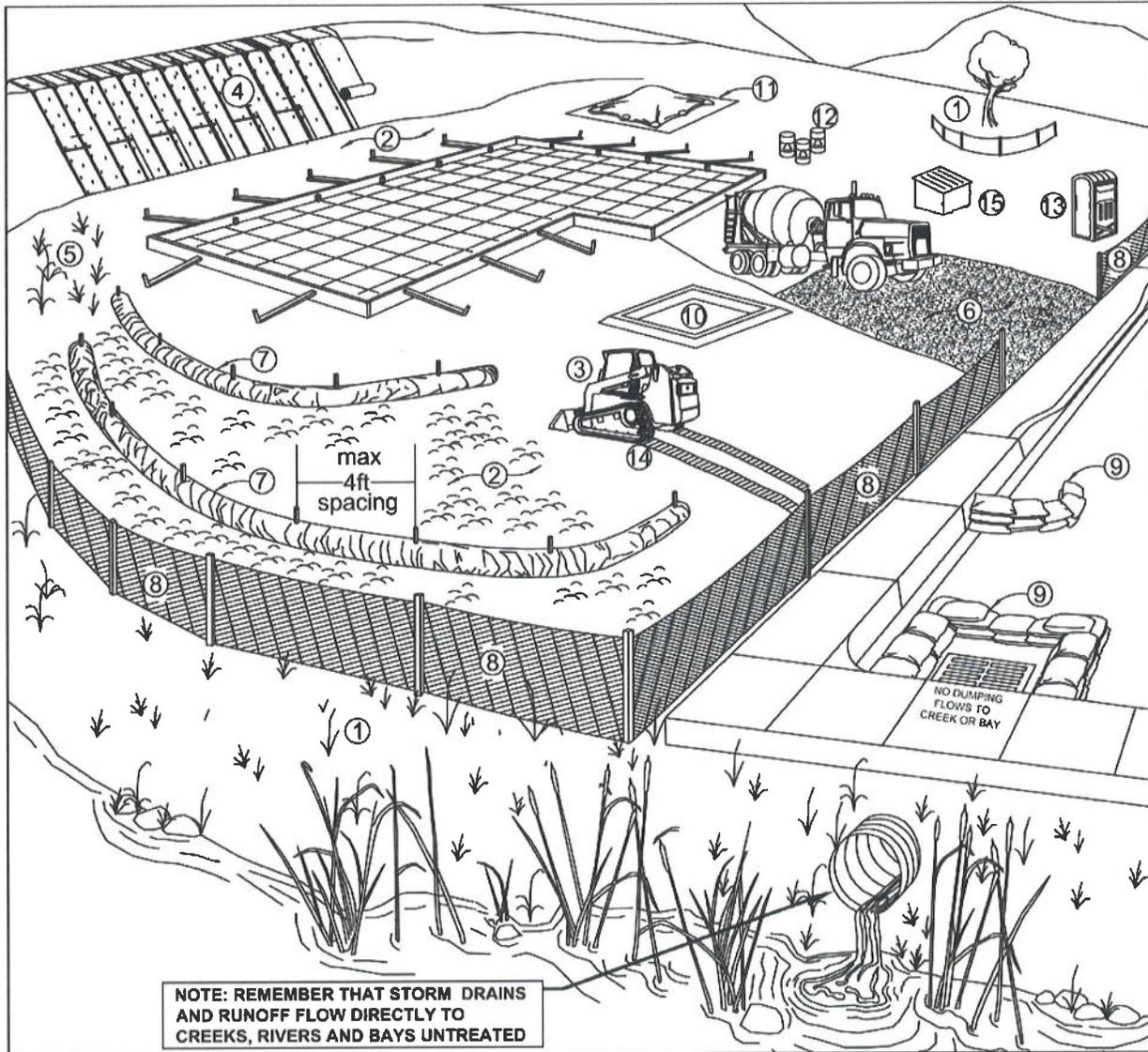
The example below illustrates the level of detail required.

Not to Scale





## CITY OF YREKA STORMWATER POLLUTION PREVENTION PROGRAM Example Construction Site Best Management Practices (BMPs)



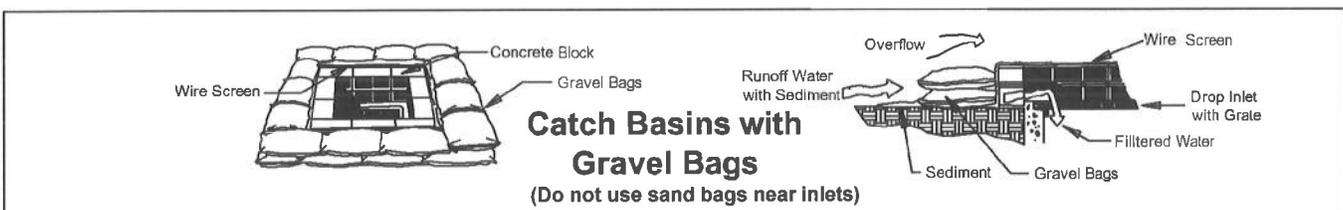
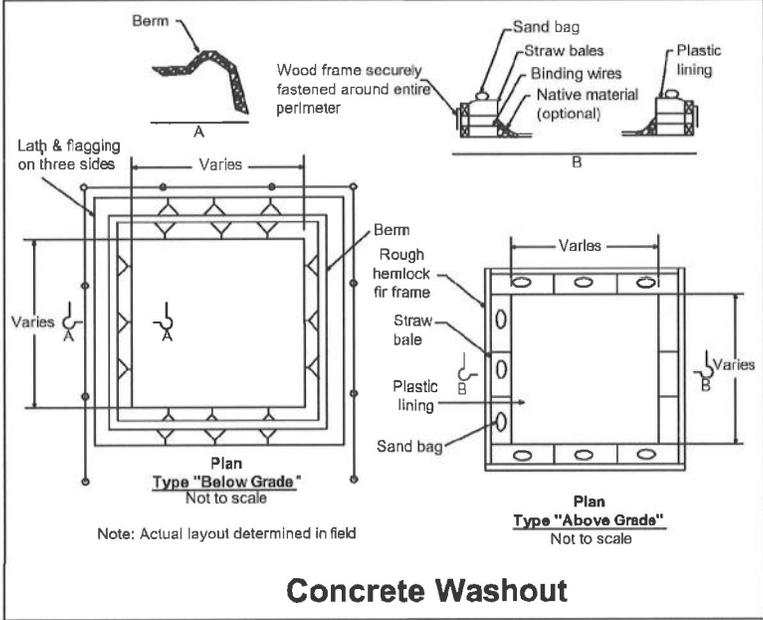
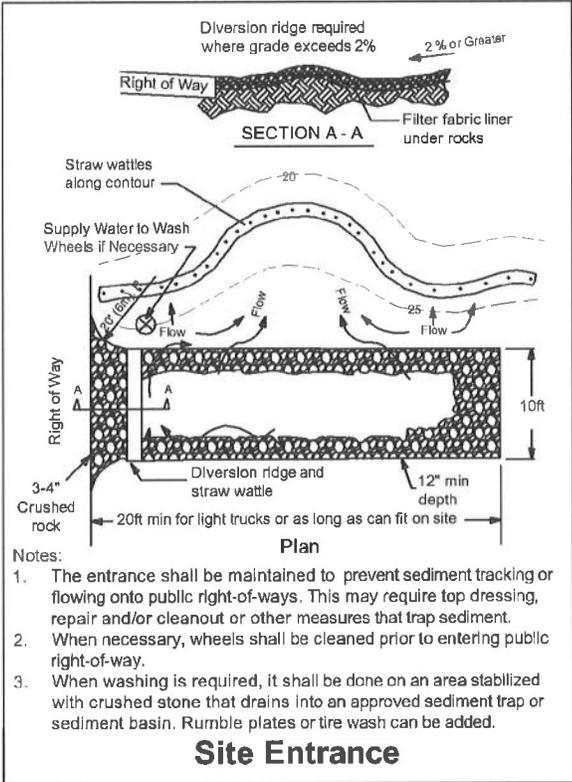
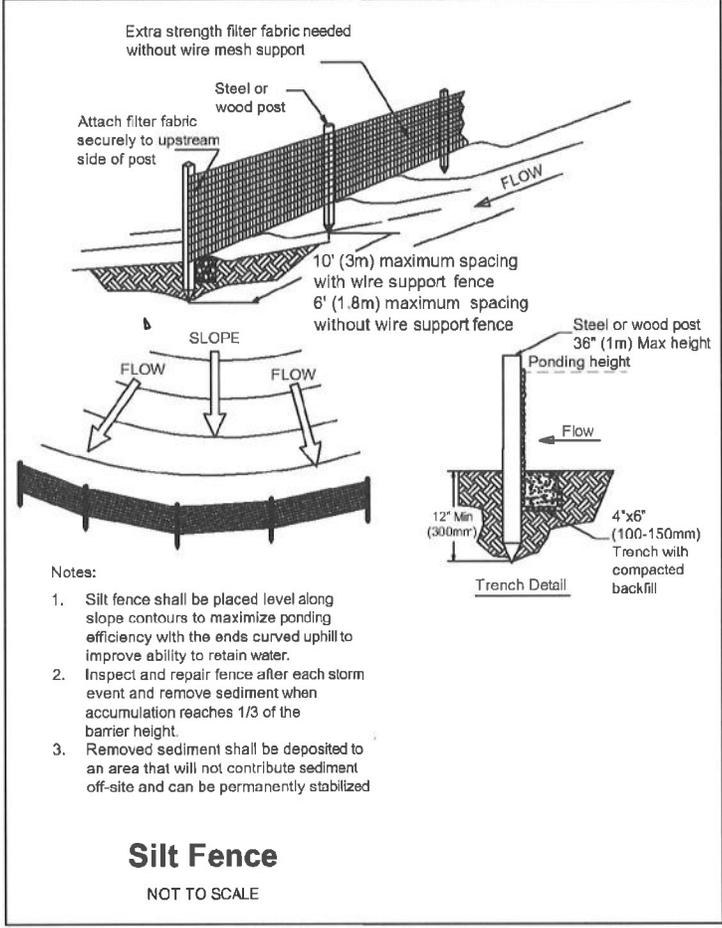
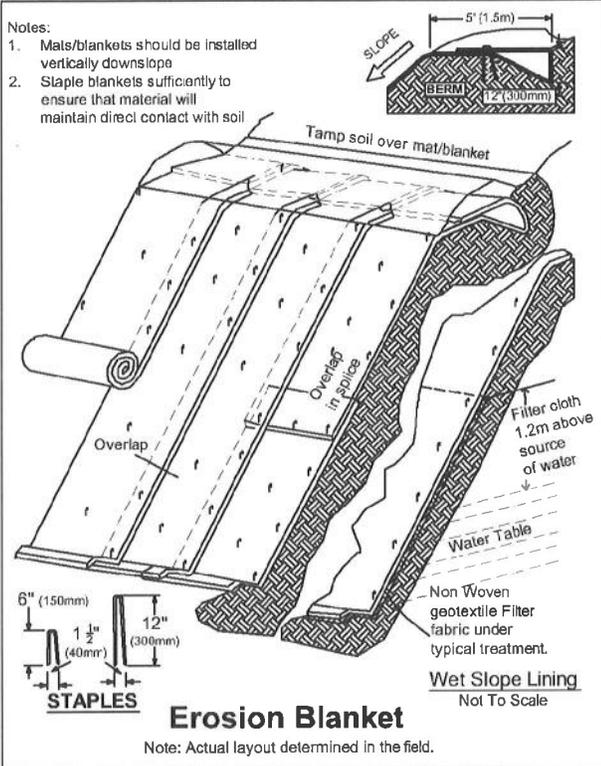
**NOTE: REMEMBER THAT STORM DRAINS AND RUNOFF FLOW DIRECTLY TO CREEKS, RIVERS AND BAYS UNTREATED**

Erosion Controls	Sediment Controls	Good Housekeeping
Scheduling (not shown on graphic)	6. Tracking Controls	10. Concrete Washout
1. Preserve Vegetation & Creek Set Backs	7. Fiber Rolls	11. Stockpile Management
2. Soil Cover	8. Silt Fence	12. Hazardous Material Management
3. Soil Preparation/ Roughening	9. Drain Inlet Protection	13. Sanitary Waste Management
4. Erosion Control Blankets	NS Trench Dewatering	14. Equipment and Vehicle Maintenance
5. Revegetation		15. Litter and Waste Management

**Note:** Select an **effective combination of control measures from each category**, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be **continually implemented and maintained throughout the project** until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. **Inspect and maintain the control measures** before and after rain events, and as required by the local agency or state permit.

More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the *California Best Management Practices Handbook Portal: Construction* at <http://www.casqa.org>. Caltrans factsheets are available in the *Construction Site BMP Manual March 2003* at <http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm>. Modified with permission from the Marin County Stormwater Pollution Prevention Program (MCSTOPPP)

Control Measure		General Description
<b>Erosion Control Best Management Practices</b>		
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activities to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing projects to minimize the amount of area disturbed. <i>For more info see the following factsheets: CASQA: EC-1; or Caltrans: SS-1.</i>
1	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning and Public Works Departments for specific creek set back requirements. <i>For more info see the following factsheets: CASQA: EC-2; or Caltrans: SS-2.</i>
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). <i>For more info see the following factsheets: CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, EC-16; or Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.</i>
3	Soil Preparation/Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods (decompacting, scarifying, stair stepping, etc.). <i>For more info see the following factsheets: CASQA: EC-15.</i>
4	Erosion Control Blankets	Install erosion control blankets (or equivalent) on disturbed sites with 3:1 slopes or steeper. Use wildlife-friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: <a href="http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf">http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</a> . <i>For more info see the following factsheets: CASQA: EC-7; or Caltrans: SS-7.</i>
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. <i>For more info see the following factsheets: CASQA: EC-4; or Caltrans: SS-4.</i>
<b>Sediment Control Best Management Practices</b>		
6	Tracking Controls	Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks). Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu of or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site entrance and sweeping is not effective. <i>For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.</i>
7	Fiber Rolls	Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into shallow trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: <a href="http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf">http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</a> . Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls. <i>For more info see the following factsheets: CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type 1 and Type 2).</i>
8	Silt Fence	Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at least 3 feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fence on slopes because they are hard to maintain. Manufactured linear sediment control can be used in lieu of silt fences. <i>For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.</i>
9	Drain Inlet Protection	Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection. <i>For more info see the following factsheets: CASQA: SE-10; or Caltrans: SC-10.</i>
<b>Good Housekeeping Best Management Practices</b>		
10	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. <i>For more info see the following factsheets: CASQA: WM-8; or Caltrans: WM-8.</i>
11	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the site perimeter control and away from waterbodies. <i>For more info see the following factsheets: CASQA: WM-3 or Caltrans: WM-3.</i>
12	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment; do not place containers directly on soil. <i>For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.</i>
13	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlets, and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most vendors provide these). <i>For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.</i>
14	Equipment and Vehicle Maintenance	Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediately clean up any spills or drips. <i>For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.</i>
15	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site litter daily. <i>For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.</i>







## Small Construction Site Stormwater Erosion and Sediment Control Plan

Projects less than (<) 1.0 Acre within City of Yreka MS4 Areas

Construction Site Project Name:

APN:

Permit Application Number:

For Official  
Use Only

**Applicant - Complete the sections (below):**

**B. Construction Site Best Management Practices**

Select an effective combination of Best Management Practices (BMPs) from each category:

- (I) Scheduling and Preservation
- (II) Erosion Control
- (III) Sediment Control
- (IV) Non-Stormwater and Material Management BMPs

Select a minimum of one control measure from each category. However, install all BMPs as necessary based on project specific activities to prevent and control construction related pollutants.

Check the box next to the selected BMPs that will be implemented for your project.

Check or provide the rationale for the selected BMPs.

Check the box and provide a reason for BMPs selected as Not Applicable.

BMPs shall be continually implemented and maintained throughout the project until activities are complete, and disturbed areas are stabilized with permanent erosion controls.

Inspect and maintain BMPs before and after rain events, and as required to control pollutant sources and protect water quality.

**Category I – Scheduling and Preservation**

Yes

No

Not  
Applicable

**1. Scheduling**

(Schedule and plan construction activities to minimize exposed soil and avoid rainy weather)

For more information see the following BMP factsheets: CASQA EC-1 or CALTRANS SS-1

Notes:

Yes

Rationale:

Scheduling and sequencing of construction activities is planned to reduce the amount and duration of soil exposed to erosion by wind, rain, runoff, and vehicle tracking.

Other:

Not Applicable (provide explanation)

Yes

No

Not  
Applicable

**2. Preservation of natural features, vegetation, and soil**

For more information see the following BMP factsheets: CASQA EC-2 or CALTRANS SS-2

Notes:

Yes

Rationale:

Preservation of existing vegetation is planned to minimize removing or disturbing existing trees, shrubs, and grasses that will be used to protect the soil from erosion.

Other:

Not Applicable (provide explanation)



**Small Construction Site Stormwater Erosion and Sediment Control Plan**  
**Projects less than (<) 1.0 Acre within City of Yreka MS4 Areas**

Construction Site Project Name:

APN:

Permit Application Number:

**Category II - Erosion Control BMPs**

Yes	No	Not Applicable
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**3. Drainage swales or lined ditches to control stormwater flow**  
 For more information see the following BMP factsheets: CASQA EC-9 or CALTRANS SS-9

Notes:

Yes  
 Rationale:  
 Drainage swales or lined ditches are planned to convey runoff to a desired location and may be used to divert site runoff around the construction site, divert runoff from stabilized areas and disturbed areas, and direct runoff into sediment basins or traps.  
 Other:  
  
 Not Applicable (provide explanation)

Yes	No	Not Applicable
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**4. Mulching or hydroseeding to stabilize disturbed soils.**  
 For more information see the following BMP factsheets: CASQA EC-4, EC-6, EC-8 or CALTRANS SS-4,SS-6, SS-8

Notes:

Yes  
 Rationale:  
 Mulching is planned to reduce erosion by protecting bare soil from rainfall impact, increasing infiltration, and reducing runoff.  
 Hydroseeding is planned, in combination with mulch or other cover, to revegetate disturbed areas.  
 Other:  
  
 Not Applicable (provide explanation)

Yes	No	Not Applicable
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**5. Erosion control to protect slopes**  
 For more information see the following BMP factsheets: CASQA EC-7 or CALTRANS SS-7

Notes:

Yes  
 Rationale:  
 Erosion control blankets (or equivalent) are planned on project area slopes for covering disturbed soil surfaces to reduce erosion from rainfall impact, hold soil in place, and absorb and hold moisture near the surface.  
 Other:  
  
 Not Applicable (provide explanation)



# Small Construction Site Stormwater Erosion and Sediment Control Plan

Projects less than (<) 1.0 Acre within City of Yreka MS4 Areas

Construction Site Project Name:

APN:

Permit Application Number:

Yes	No	Not Applicable	<b>6. Other Proposed Erosion Control BMPs</b> As necessary based on site specific conditions.
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Notes:	<input type="checkbox"/> BMP : _____ <input type="checkbox"/> Rationale: _____ <input type="checkbox"/> BMP : _____ <input type="checkbox"/> Rationale: _____ <input type="checkbox"/> BMP : _____ <input type="checkbox"/> Rationale: _____
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### Category III - Sediment Control BMPs

Yes	No	Not Applicable	<b>7. Protection of storm drain inlets</b> For more information see the following BMP factsheets: CASQA SE-10 or CALTRANS SC-10
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Notes:	<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Storm drain inlet protection is planned to temporarily pond runoff before it enters the storm drain, allowing sediment to settle. <input type="checkbox"/> Storm drain inlet protection is planned using a geotextile fabric (or equivalent) to filter stormwater and remove sediment. <input type="checkbox"/> Other:
	<input type="checkbox"/> Not Applicable (provide explanation)

Yes	No	Not Applicable	<b>8. Perimeter Sediment Control</b> For more information see the following BMP factsheets: CASQA SE-1, SE-5, SE-8, SE-9, SE-12, SE-13 or CALTRANS SC-1, SC-5, SC-8, SC-9 <small>(note: fiber rolls (CASQA SE-5 and CALTRANS SC-5) must be made of wild-life friendly biodegradable and natural materials)</small>
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Notes:	<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Perimeter sediment control consisting of silt fence, fiber rolls, sandbag barrier, straw bale barrier, compost socks, or equivalent are planned to intercept stormwater runoff and detain and filter sediment-laden water. <input type="checkbox"/> Other:
	<input type="checkbox"/> Not Applicable (provide explanation)



## Small Construction Site Stormwater Erosion and Sediment Control Plan

Projects less than (<) 1.0 Acre within City of Yreka MS4 Areas

Construction Site Project Name:

APN:

Permit Application Number:

Yes	No	Not Applicable	<p><b>9. Sediment trap or sediment basin</b> For more information see the following BMP factsheets: CASQA SE-2 or CALTRANS SC-2</p>
Notes:			<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> A sediment basin or trap is planned to temporarily detain sediment-laden water allowing sediment to settle out before the runoff is discharged. <input type="checkbox"/> Other:
			<input type="checkbox"/> Not Applicable (provide explanation)
Yes	No	Not Applicable	<p><b>10. Stabilized Construction Entrance/Exits</b> For more information see the following BMP factsheets: CASQA TC-1 or CALTRANS TC-1</p>
Notes:			<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Construction entrances and exits stabilization is planned to reduce the tracking of sediment and debris from the project site to roadways. <input type="checkbox"/> Other:
			<input type="checkbox"/> Not Applicable (provide explanation)
Yes	No	Not Applicable	<p><b>11. Wind Erosion Control</b> For more information see the following BMP factsheets: CASQA WE-1 or CALTRANS WE-</p>
Notes:			<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Wind erosion or dust control measures are planned to prevent or alleviate dust generated by construction activities. <input type="checkbox"/> Other:
			<input type="checkbox"/> Not Applicable (provide explanation)
Notes:			<p><b>12. Other Proposed Sediment Control BMPs</b> As necessary based on site specific conditions.</p> <input type="checkbox"/> BMP : _____  <input type="checkbox"/> Rationale: _____  <input type="checkbox"/> BMP : _____  <input type="checkbox"/> Rationale: _____



## Small Construction Site Stormwater Erosion and Sediment Control Plan

**Projects less than (<) 1.0 Acre within City of Yreka MS4 Areas**

Construction Site Project Name:

APN:

Permit Application Number:

### Category IV – Non-Stormwater and Material Management BMPs

Yes	No	Not Applicable	
			<b>13. Material handling and waste management</b> For more information see the following BMP factsheets: CASQA WM-1, WM-2, WM-5, WM-6, WM-7 WM-9, WM-10 or CALTRANS WM-1, WM-2, WM-5, WM-6, WM-7 WM-9, WM-10
Notes:			<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Minimizing the storage of hazardous materials onsite, storing materials in watertight containers and/or completely enclosed facilities, installing secondary containment, conducting regular inspections, and training employees and subcontractors are planned to prevent, reduce, or eliminate the discharge of pollutants from material delivery and storage to the stormwater system or waterways. <input type="checkbox"/> Other:
			<input type="checkbox"/> Not Applicable (provide explanation)
			<b>14. Stockpile Management</b> For more information see the following BMP factsheets: CASQA WM-3 or CALTRANS WM-3
Notes:			<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Stockpile management and storage procedures and practices, such as suitable cover and perimeter control, are planned to reduce or eliminate air and stormwater pollution from material stockpiles. <input type="checkbox"/> Other:
			<input type="checkbox"/> Not Applicable (provide explanation)
			<b>15. Management of washout areas (concrete, paints, stucco, etc.)</b> For more information see the following BMP factsheets: CASQA WM-8 or CALTRANS WM-8
Notes:			<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Concrete or other material washout activities are planned for onsite areas within appropriate containment facilities to prevent the discharge of concrete or other material discharge to the stormwater system or waterways. <input type="checkbox"/> Other:
			<input type="checkbox"/> Not Applicable (provide explanation)



# Small Construction Site Stormwater Erosion and Sediment Control Plan

Projects less than (<) 1.0 Acre within City of Yreka MS4 Areas

Construction Site Project Name:

APN:

Permit Application Number:

Yes	No	Not Applicable	<b>16. Vehicle and Equipment Cleaning, Fueling, and Maintenance</b> For more information see the following BMP factsheets: CASQA NS-8, NS-9, NS-10 or CALTRANS NS-8, NS-9, NS-10
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Notes:	<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Vehicle and equipment cleaning activities are planned for offsite designated facilities to prevent the discharge of pollutants to stormwater system or waterways. <input type="checkbox"/> Vehicle and equipment fueling is planned for offsite facilities or in designated areas with proper spill controls to prevent the discharge of pollutants to stormwater system or waterways. <input type="checkbox"/> Vehicle and equipment maintenance activities are planned for offsite facilities or in designated areas with proper spill controls to prevent the discharge of pollutants to stormwater system or waterways. <input type="checkbox"/> Other:
	<input type="checkbox"/> Not Applicable (provide explanation)

Yes	No	Not Applicable	<b>17. Spill prevention and control</b> For more information see the following BMP factsheets: CASQA WM-4 or CALTRANS WM-4
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Notes:	<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Maintaining spill cleanup materials, stopping the source of spills, containing and cleaning up spills, properly disposing of spilled materials, and training employees are planned to prevent or reduce the discharge of pollutants to stormwater system or waterways. <input type="checkbox"/> Other
	<input type="checkbox"/> Not Applicable (provide explanation)

Notes:	<b>18. Other Non-Stormwater and Material Management BMPs</b> As necessary based on site specific conditions. <input type="checkbox"/> BMP : _____  <input type="checkbox"/> Rationale: _____  <input type="checkbox"/> BMP : _____  <input type="checkbox"/> Rationale: _____  <input type="checkbox"/> BMP : _____  <input type="checkbox"/> Rationale: _____
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## Small Construction Site Stormwater Erosion and Sediment Control Plan

Projects less than (<) 1.0 Acre within City of Yreka MS4 Areas

Construction Site Project Name: \_\_\_\_\_

APN: \_\_\_\_\_

Permit Application Number: \_\_\_\_\_

### C. Signature and Certification:

I, the below signed, confirm that I have accurately selected BMPs for my project and that I have not purposely omitted any detail affecting my project. I hereby certify that BMPs selected to control stormwater pollution from project activities will be designed in accordance with the approved BMP Fact Sheet or equivalent, which are attached to this plan.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

I am the :

Owner

Authorized Representative

### For Office Use Only

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date of Field Inspection: \_\_\_\_\_