



BUILDING DEPARTMENT PERMIT APPLICATION

701 FOURTH ST.
YREKA, CA 96097

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

www.ci.yreka.ca.us
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

DISABILITY ACCESS REQUIREMENTS AND RESOURCES

NOTICE TO APPLICANTS FOR BUSINESS LICENSES AND COMMERCIAL BUILDING PERMITS:

Under federal and state law, compliance with disability access laws is a serious and significant responsibility that applies to all California building owners and tenants with buildings open to the public. You may obtain information about your legal obligations and how to comply with disability access laws at the following agencies:

DEPARTMENT OF
GENERALSERVICES,
Division of the State
Architect, CASp Program

www.dgs.ca.gov/dsa
www.dgs.ca.gov/casp

DEPARTMENT OF
REHABILITATION
Disability Access Services

www.dor.ca.gov
[www.rehab.cahwnet.gov/
disabilityaccessinfo](http://www.rehab.cahwnet.gov/disabilityaccessinfo)

DEPARTMENT OF
GENERALSERVICES,
California Commission on
Disability Access

www.cdda.ca.gov
[www.cdda.ca.gov/resourc
es-menu/](http://www.cdda.ca.gov/resources-menu/)

CERTIFIED ACCESS SPECIALIST INSPECTION SERVICES

Compliance with state and federal construction-related accessibility standards ensures that public places are accessible and available to individuals with disabilities. Whether your business is moving into a newly constructed facility or you are planning an alteration to your current facility, by engaging the services of a Certified Access Specialist (CASp) early in this process you will benefit from the advantages of compliance and under the Construction-Related Accessibility Standards Compliance Act (CRASCA, Civil Code 55.51-55.545), also benefit from legal protections.

Although your new facility may have already been permitted and approved by the building department, it is important to obtain CASp inspection services after your move-in because unintended access barriers and violations can be created, for example, placing your furniture and equipment in areas required to be maintained clear of obstructions. For planned alterations, a CASp can provide plan review of your improvement plans and an access compliance evaluation of the public accommodation areas of your facility that may not be part of the alteration.

A CASp is a professional who has been certified by the State of California to have specialized knowledge regarding the applicability of accessibility standards. CASp inspection reports prepared according to CRASCA entitle business and facility owners to specific legal benefits, in the event that a construction-related accessibility claim is filed against them.

To find a CASp, visit www.apps2.dgs.ca.gov/DSA/casp/casp_certified_list.aspx.

DISABILITY ACCESS REQUIREMENTS AND RESOURCES

GOVERNMENT TAX CREDITS, TAX DEDUCTIONS AND FINANCING

State and federal programs to assist businesses with access compliance and access expenditures are available:

Disabled Access Credit for Eligible Small Businesses

FEDERAL TAX CREDIT—Internal Revenue Code Section 44 provides a federal tax credit for small businesses that incur expenditures for the purpose of providing access to persons with disabilities. For more information, refer to Internal Revenue Service (IRS) Form 8826: Disabled Access Credit at www.irs.gov.

STATE TAX CREDIT—Revenue and Taxation Code Sections 17053.42 and 23642 provide a state tax credit similar to the federal Disabled Access Credit, with exceptions. For more information, refer to Franchise Tax Board (FTB) Form 3548: Disabled Access Credit for Eligible Small Businesses at www.ftb.ca.gov.

Architectural and Transportation Barrier Removal Deduction

FEDERAL TAX DEDUCTION—Internal Revenue Code Section 190 allows businesses of all sizes to claim an annual deduction for qualified expenses incurred to remove physical, structural and transportation barriers for persons with disabilities. For more information, refer to IRS Publication 535: Business Expenses at www.irs.gov.

California Capital Access Financing Program

STATE FINANCE OPTION—The California Capital Access Program (CalCAP) Americans with Disabilities Act (CalCAP/ADA) financing program assists small businesses with financing the costs to alter or retrofit existing small business facilities to comply with the requirements of the federal ADA. Learn more at www.treasurer.ca.gov/cpcfca/calcap/.

FEDERAL AND STATE LEGAL REQUIREMENTS ON ACCESSIBILITY FOR INDIVIDUALS WITH DISABILITIES

AMERICANS WITH DISABILITIES ACT OF 1990 (ADA) —The ADA is a federal civil rights law that prohibits discrimination against individuals with disabilities, and requires all public accommodations and commercial facilities to be accessible to individuals with disabilities. Learn more at www.ada.gov.

CALIFORNIA BUILDING CODE (CBC)—The CBC contains the construction-related accessibility provisions that are the standards for compliant construction. A facility's compliance is based on the version of the CBC in place at the time of construction or alteration. Learn more at www.bsc.ca.gov.



**CITY OF YREKA
BUILDING DEPARTMENT
ENVIRONMENTAL HEALTH &
AIR POLLUTION FORM**



City of Yreka
Building Department
701 Fourth Street
Yreka, CA 96097
(530) 841-2322
FAX: (530) 842-4836

GOVERNMENT CODE SECTION 65850.2

A Building Permit cannot be approved without this completed form. This form does not apply to applications solely for residential construction.

Assessor's Parcel Number: _____

Firm or Applicant's Name: _____

Site Address: _____

Contact Person: _____ Phone Number: () _____

Address _____

NOTE: Hazardous materials are defined as any material that because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety, or to the environment if released into the workplace or the environment, "Hazardous Materials" include, but are not limited to, hazardous chemicals, hazardous waste, paints, oils, lubricants, fuels, flammables, combustibles, corrosives, gases, and any material which a handler or the administering agency has a reasonable basis for believing to be injurious to the health and safety of persons or harmful to the environment if released.

1. Do or will you or the tenants handle, store or transport hazardous materials?

_____NO_____YES

2. Do or will you or the future tenants handle, store or transport any amount of hazardous waste?

_____NO_____YES

3. Do or will you or the future tenants handle, store, or transport 55 gallons, 500 pounds, or 200 cubic feet (at standard temperature) of a gas or formulation containing hazardous materials?

_____NO_____YES

If you answered YES to 1, 2 or 3 contact the Siskiyou County Health Department, 806 South Main Street, Yreka, CA 96097 or (530)841-2100 for a review of the project.

4. Is the business/facility/operation to be located within a 1,000 feet or the outer boundary of a school or school site?

_____NO _____YES- If YES, please provide name of school below:

NAME OF SCHOOL

5. Does the business/facility/operation have the potential to emit any air pollutants? E.g., dust, soot, odors, fumes, vapors, volatile compounds, etc.

_____NO _____YES

If you answered YES to 3, 4 or 5 contact the Siskiyou County Air Pollution Control Office, 525 South Foothill Drive, Yreka, CA 96097 or (530) 841-4029.

I certify that I have read this document and state that the above information is correct. I agree to comply with all City, County, State, and Federal laws relating to hazardous material.

Owner or Authorized Licensed Agents:

SIGNATURE

DATE

FOR OFFICIAL USE ONLY

SISKIYOU COUNTY ENVIRONMENTAL HEALTH DEPARTMENT (SCEHD)

SCEHD SIGNATURE _____DATE_____

SISKIYOU COUNTY AIR POLLUTION CONTROL OFFICE (SCAPCO)

SCAPCO SIGNATURE _____DATE_____

REMARKS: _____

Original: City of Yreka Building Department

Copies: Siskiyou County Environmental Health, Siskiyou County Air Pollution, & Yreka Fire Dept.



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.

Table 1. Applicable Standards Based on Project Type	
Type of Project	Required Submittals:
<p>Exempt Projects Exempt Projects include:</p> <ul style="list-style-type: none"> • Interior remodels and routine maintenance or repair such as exterior wall surface replacement; • Reroofing of an existing building; • 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 • Linear Underground Projects (LUPs) unless the LUP has a discreet location that has 5,000 square feet or more of newly constructed impervious surface 	<ul style="list-style-type: none"> • Stormwater Information Sheet
<p>Small Projects Small Projects include:</p> <ul style="list-style-type: none"> • Single-Family Homes that create or replace 2,500 square feet (SF) or more of impervious surface; and • Projects that create or replace between 2,500 and 5,000 SF of impervious surface 	<ul style="list-style-type: none"> • Stormwater Information Sheet • Follow instructions in Part 2 of this manual.
<p>Regulated Projects Regulated Projects include:</p> <ul style="list-style-type: none"> • Projects other than <i>Single -Family Homes</i> that create or replace 5,000 SF or more of impervious surface. 	<ul style="list-style-type: none"> • Stormwater Information Sheet • Follow instructions in Part 3 of this manual.
<p>Regulated Redevelopment, Roads, and Linear Underground Projects Regulated Redevelopment, Roads, and Linear Underground Projects include:</p> <ul style="list-style-type: none"> • See MS4 Permit, Section E.12.c (pg. 50) for additional description and details of applicable Redevelopment, Road and Linear Underground projects requirements. 	<ul style="list-style-type: none"> • Requirements vary; contact PBS with project jurisdiction.
<p>Additional Requirements: 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>Definition of Impervious Surface: 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>Definition of Soil Disturbing Activities: 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.

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)
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Anticipated Construction Start Date:	Estimate Construction Completion Date:
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Circle and/or list all applicable permits directly associated with construction or grading activity, and not limited to the following:	<ul style="list-style-type: none"> • State Construction General Permit (CGP) • State 401 Water Quality Certification • U.S. Army Corps 404 Permit 	<ul style="list-style-type: none"> • CA Fish and Wildlife 1600 • Other (list):
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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):
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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.:
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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: http://www.owp.csus.edu/LIDTool/Start.aspx 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: http://www.owp.csus.edu/LIDTool/Start.aspx 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: http://www.owp.csus.edu/LIDTool/Start.aspx 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):

<input type="checkbox"/> Storm Drain System (including installed management facilities & road side ditches).	<input type="checkbox"/> Directly to waters of the State of U.S. (e.g. river, lake, Creek, stream, ocean, bay). Name of body of water _____	<input type="checkbox"/> N/A
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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:
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Yreka Small Projects Calculator - City of Yreka Low Impact Development Stormwater Manual

Project Information				Formulas	
Total Post-Project Impervious Surface Area (square feet)	A	<input style="width: 80%;" type="text"/>	square feet	Small Projects are < 2500 sf impervious	
24 hour - 85th Percentile Design Storm	B	0.78	inch		
Impervious Surface Runoff Value (Potential Stormwater Runoff due to impervious surface area and design storm value)	C	0	Gallons per 24 hours	C = A x B x 0.083 x 7.48	
Site Design Measures (Credits)					
Tree Planting and Preservation					
New Trees					
		# of trees			
100 square feet per deciduous tree	D	<input style="width: 80%;" type="text"/>	E 0 square feet	E = D x 100	
200 square feet per evergreen tree	F	<input style="width: 80%;" type="text"/>	G 0 square feet	G = E x 200	
Existing Trees (Credit for 50% of existing canopy area)					
		Canopy diameter (feet)			
Tree #1	H ₁	<input style="width: 80%;" type="text"/>	J ₁ 0 square feet	J₁ = 3.14 x (H₁/2)² x 0.50	
Tree #2	H ₂	<input style="width: 80%;" type="text"/>	J ₂ 0 square feet	J₂ = 3.14 x (H₂/2)² x 0.50	
Tree #3	H ₃	<input style="width: 80%;" type="text"/>	J ₃ 0 square feet	J₃ = 3.14 x (H₃/2)² x 0.50	
Rain Barrel or Cisterns (55 gallon minimum)					
Square foot credit per gallon based on 24-hour, 85th Percentile Design Storm	K	2.5			
		Gallons			
Rain Barrels	L	<input style="width: 80%;" type="text"/>	M square feet	M = L x K	
Cisterns	N	<input style="width: 80%;" type="text"/>	P square feet	P = N x K	
Impervious Area Disconnection					
Credit per square foot of pervious receiving area	Q	<input style="width: 80%;" type="text"/>	square feet	Q = Enter square foot value	
Soil Quality Improvement					
Credit per square foot of soil quality improvement	R	<input style="width: 80%;" type="text"/>	square feet	R = Enter square foot value	
Green Roof					
Credit per square foot of green roof installation	S	<input style="width: 80%;" type="text"/>	square feet	S = Enter square foot value	
Porous Pavement					
Credit per square foot of porous pavement or pavers	T	<input style="width: 80%;" type="text"/>	square feet	T = Enter square foot value	
Vegetated Swales					
Credit per square foot of vegetated swale	U	<input style="width: 80%;" type="text"/>	square feet	U = Enter square foot value	
Credits Total	V	0	square feet	V = E + G + J₁ + J₂ + J₃ + M + P + Q + R + S + T + U	
Post-Project Impervious Surface Area minus Site Design Measure Credits	W	0	square feet	W = A - V	
NEW Impervious Surface Runoff Value (Potential Stormwater Runoff due to impervious surface area and design storm after implementation of Site Design Measures)	X	0	Gallons per 24 hours	X = W x B x 0.083 x 7.48	
Percent reduction in Impervious Surface Runoff Value	Y	#####	%	Y = ((C - X) / C) x %100	

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 (SWGP).

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.

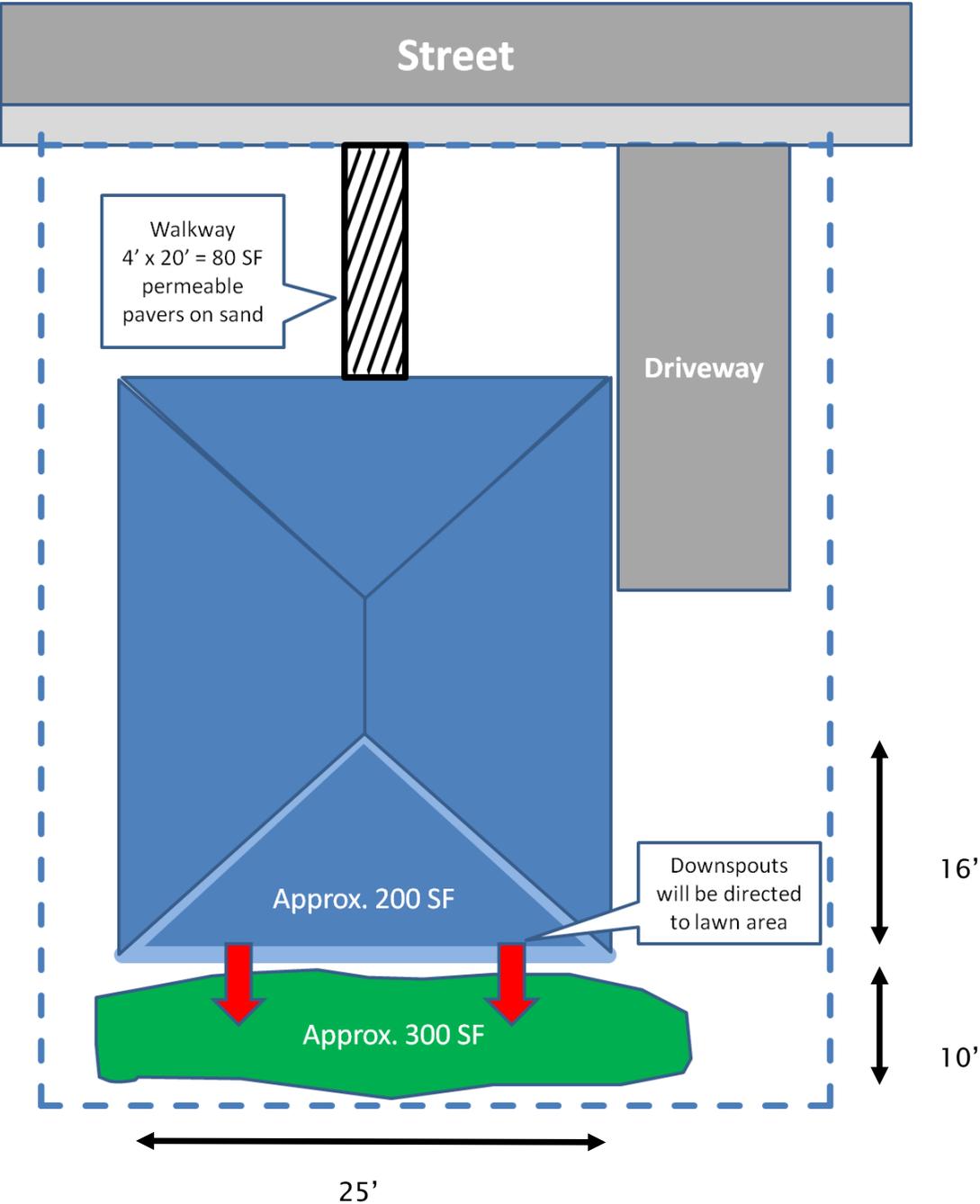
The Humboldt LID Stormwater Manual can be found on the following website for more information regarding MS4.

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

Example Sketch

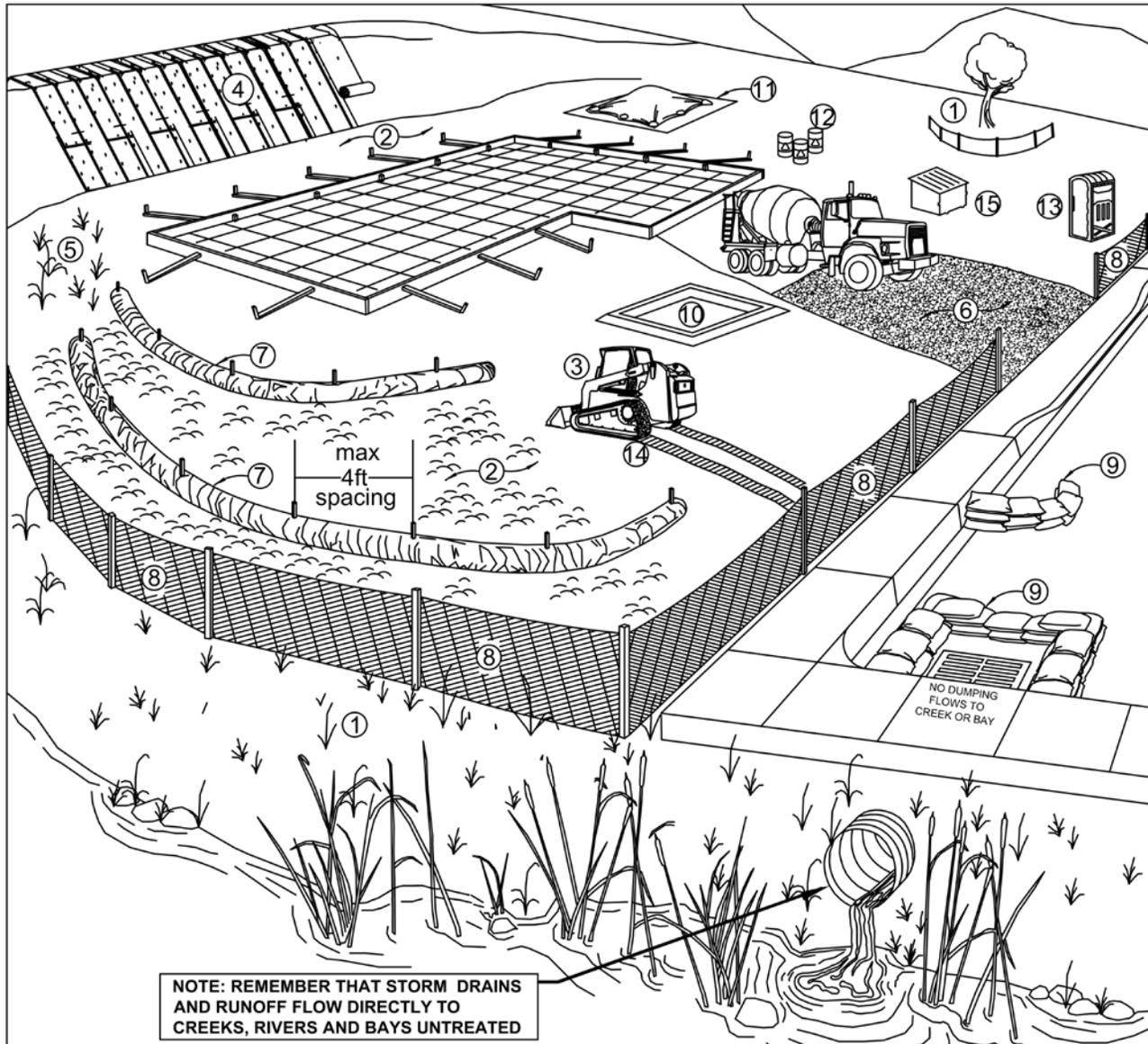
The example below illustrates the level of detail required.

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

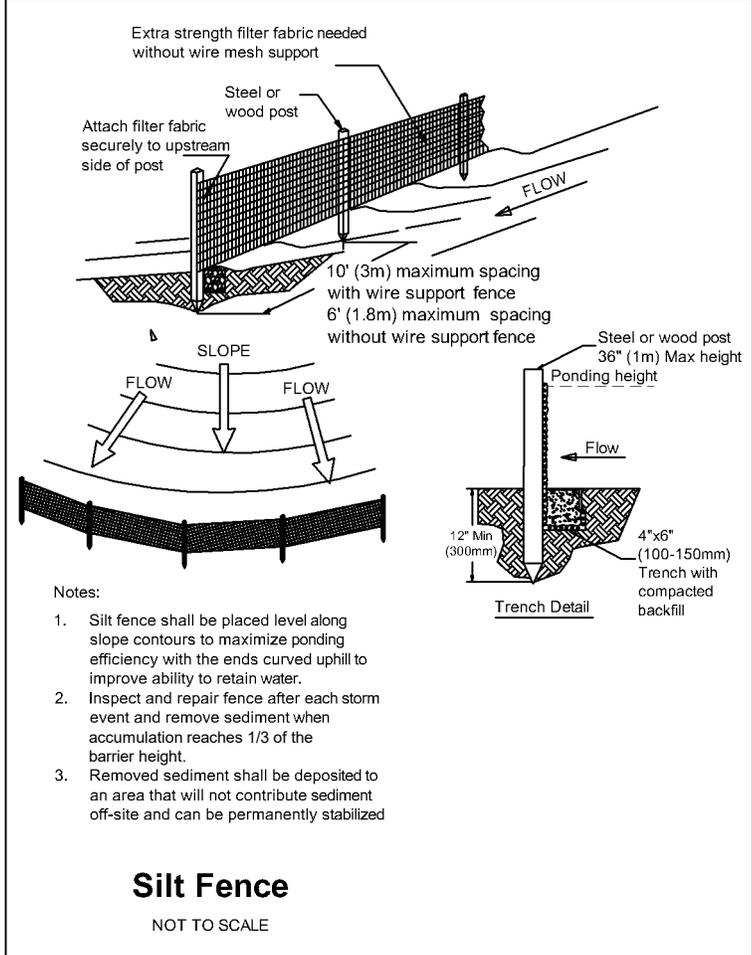
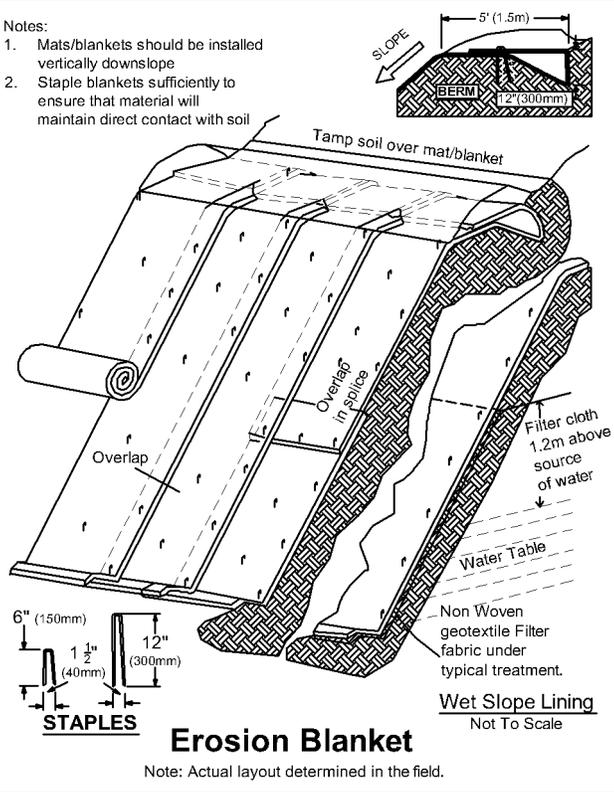
Note: Select an **effective combination of control measures from each category**, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be **continually implemented and maintained throughout the project** until activities are complete, disturbed areas are stabilized with permanent 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
Erosion Control Best Management Practices	
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: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf . <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>
Sediment Control Best Management Practices	
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: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf . 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>
Good Housekeeping Best Management Practices	
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>

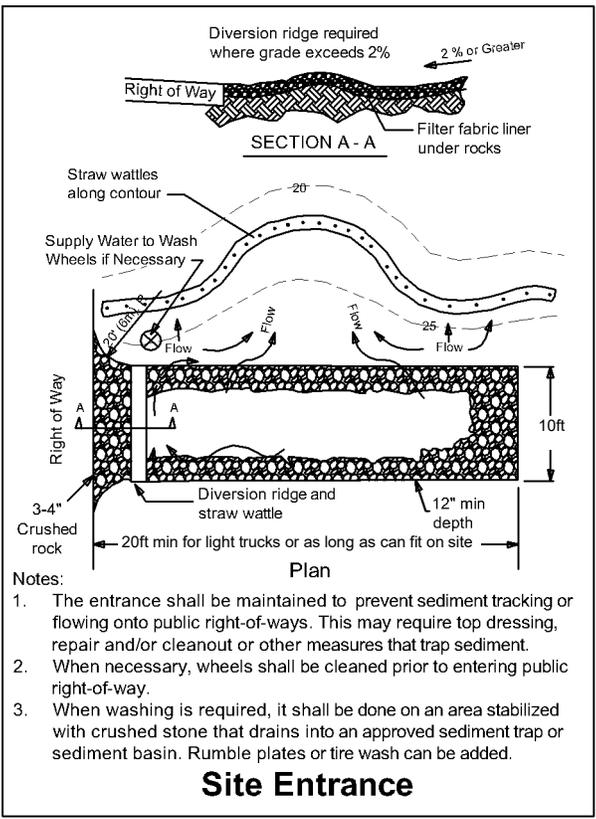
Notes:

1. Mats/blankets should be installed vertically downslope
2. Staple blankets sufficiently to ensure that material will maintain direct contact with soil



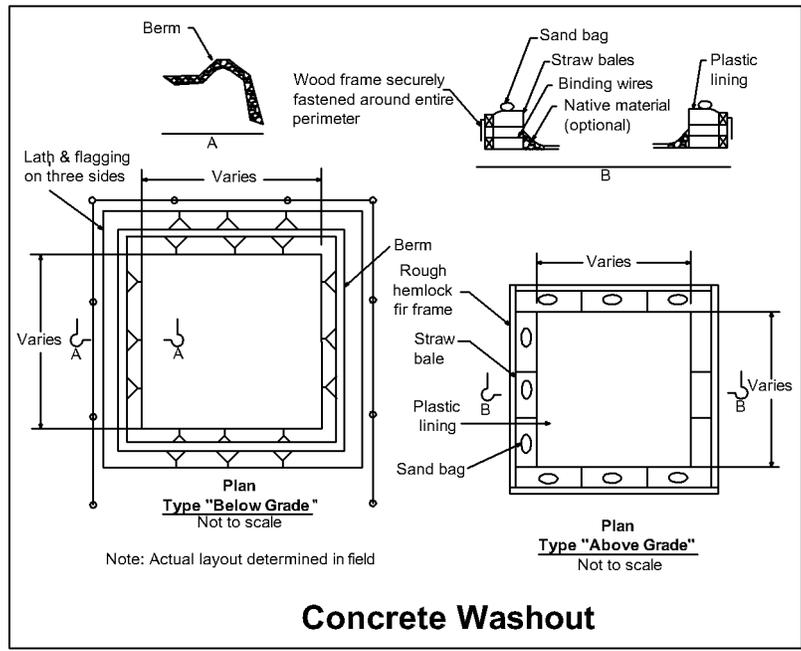
Notes:

1. Silt fence shall be placed level along slope contours to maximize ponding efficiency with the ends curved uphill to improve ability to retain water.
2. Inspect and repair fence after each storm event and remove sediment when accumulation reaches 1/3 of the barrier height.
3. Removed sediment shall be deposited to an area that will not contribute sediment off-site and can be permanently stabilized



Notes:

1. The entrance shall be maintained to prevent sediment tracking or flowing onto public right-of-ways. This may require top dressing, repair and/or cleanout or other measures that trap sediment.
2. When necessary, wheels shall be cleaned prior to entering public right-of-way.
3. When washing is required, it shall be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin. Rumble plates or tire wash can be added.





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:

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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
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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
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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	<p>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</p>
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Notes:	<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> 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. <input type="checkbox"/> Other:
	<input type="checkbox"/> Not Applicable (provide explanation)

Yes	No	Not Applicable	<p>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</p>
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Notes:	<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> Mulching is planned to reduce erosion by protecting bare soil from rainfall impact, increasing infiltration, and reducing runoff. <input type="checkbox"/> Hydroseeding is planned, in combination with mulch or other cover, to revegetate disturbed areas. <input type="checkbox"/> Other:
	<input type="checkbox"/> Not Applicable (provide explanation)

Yes	No	Not Applicable	<p>5. Erosion control to protect slopes For more information see the following BMP factsheets: CASQA EC-7 or CALTRANS SS-7</p>
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Notes:	<input type="checkbox"/> Yes Rationale: <input type="checkbox"/> 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. <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	6. Other Proposed Erosion Control BMPs 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	7. Protection of storm drain inlets 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	8. Perimeter Sediment Control 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
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9. Sediment trap or sediment basin

For more information see the following BMP factsheets: CASQA SE-2 or CALTRANS SC-2

Notes:

- Yes
Rationale:
 A sediment basin or trap is planned to temporarily detain sediment-laden water allowing sediment to settle out before the runoff is discharged.
 Other:
-
- Not Applicable (provide explanation)

Yes	No	Not Applicable
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10. Stabilized Construction Entrance/Exits

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

Notes:

- Yes
Rationale:
 Construction entrances and exits stabilization is planned to reduce the tracking of sediment and debris from the project site to roadways.
 Other:
-
- Not Applicable (provide explanation)

Yes	No	Not Applicable
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11. Wind Erosion Control

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

Notes:

- Yes
Rationale:
 Wind erosion or dust control measures are planned to prevent or alleviate dust generated by construction activities.
 Other:
-
- Not Applicable (provide explanation)

Notes:

12. Other Proposed Sediment Control BMPs

As necessary based on site specific conditions.

- BMP : _____
- Rationale: _____
- BMP : _____
- 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	<p>13. Material handling and waste management 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</p>
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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:
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Not Applicable (provide explanation)

Yes	No	Not Applicable	<p>14. Stockpile Management For more information see the following BMP factsheets: CASQA WM-3 or CALTRANS WM-3</p>
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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:
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Not Applicable (provide explanation)

Yes	No	Not Applicable	<p>15. Management of washout areas (concrete, paints, stucco, etc.) For more information see the following BMP factsheets: CASQA WM-8 or CALTRANS WM-8</p>
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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:
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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
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16. Vehicle and Equipment Cleaning, Fueling, and Maintenance
 For more information see the following BMP factsheets: CASQA NS-8, NS-9, NS-10 or CALTRANS NS-8, NS-9, NS-10

Notes:

- Yes
 Rationale:
 Vehicle and equipment cleaning activities are planned for offsite designated facilities to prevent the discharge of pollutants to stormwater system or waterways.
 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.
 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.
 Other:

Not Applicable (provide explanation)

Yes	No	Not Applicable
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17. Spill prevention and control
 For more information see the following BMP factsheets: CASQA WM-4 or CALTRANS WM-4

Notes:

- Yes
 Rationale:
 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.
 Other

Not Applicable (provide explanation)

Notes:

18. Other Non-Stormwater and Material Management BMPs
 As necessary based on site specific conditions.

BMP : _____

Rationale: _____

BMP : _____

Rationale: _____

BMP : _____

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: _____

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: _____