WATER QUALITY LIMITS FOR
CONSTITUENTS AND PARAMETERS

			11/25/2005			08/30/2006		07/05/2007	07/24/2007	05/22/2008		
Metals (CAM 17)	**Criteria [1,2]**	**Units**	**PG1**	**PG2**	**PG3**	**PG2**	**PG3**	**PG3**	**PG3**	**PG1**	**PG2**	**PG3**
Antimony	6	µg/L	< 10.0	< 10.0	< 10.0	**14.7**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Arsenic	50	µg/L	**12.9**	< 10.0	< 10.0	**14.6**	**11.2**	**11.7**	< 10.0	< 10.0	< 10.0	< 10.0
Barium	1,000	µg/L	**113**	**104**	**158**	**390**	**308**	**186**	**229**	**133**	**132**	**308**
Beryllium	4	µg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium	5	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chromium (total)	50	µg/L	**14.8**	**11.9**	**12.3**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Cobalt	50	µg/L	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Copper	1,000	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Lead	15	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Mercury	2	µg/L	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250
Molybdenum	35	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Nickel	100	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Selenium	50	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Silver	100	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Thallium	2	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	**26.5**	< 10.0	< 10.0	< 10.0
Vanadium	50	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Zinc	5,000	µg/L	**32.3**	**35.4**	**34.6**	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Total Oil & Grease												
Total Oil & Grease	Narrative	mg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0			
Wet Chemestry												
Total Alkalinity		mg/L	**114.0**	**104.0**	**134.0**	**173**	**174**	**200**	**201.0**	**154**	**168**	**230.0**
Ammonia Nitrogen	Narrative	mg/L	< 0.3	< 0.3		< 0.3	< 0.3	**0.08**	0.14			
Biochemical Oxygen Demand	N/A	mg/L	< 5	< 5		< 5	< 5	< 5	< 2.0	< 2.0	< 2.0	24
Specific Conductance (EC)	1,600	µS/cm	**269**	**255**	**372**	**368**	**455**	**575**	**599**	**389**	**404**	**603**
Setteable Solids	Narrative	ml/L	**0.4**	**0.2**	**0.1**	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	7.5
Total Dissolved Solids	1,000	mg/L	**175**	**153**	**235**	**269**	**313**	**351**	**351.0**	**324.0**	**309.0**	**420.0**
Total Suspended Solids	Narrative	mg/L	**59.0**	**37**	**21.0**	< 15.0	26.0	< 15.0	< 15.0	< 15.0	< 15.0	17.0
Turbidity	Varies	NTU	**41.2**	**34.2**	**20.5**	**2.0**	**10.7**	**8.0**	**4.7**	**5.4**	**5.2**	**10.4**
Ion Chromatography												
Nitrate as N	10	mg/L	1.9	4.2	2.6	< 0.11	< 0.11	**0.12**	< 0.11	< 0.5	< 0.5	< 0.5
Nitrite as N	10	mg/L	< 0.15	< 0.15	1.1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.50	< 0.50	< 0.50
Orthophosphate as P		mg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.44	< 0.33	< 0.33

[1]California Environmental Protection Agency, Regional Water Quality Control Board, Central Valley Region. A Compilation of Water Quality Goals, August 2003.

[2]California Regional Water Quality Control Board, Central Valley Region. The Water Quality Control Plan (Basin Plan) for the Sacramento River Basins and the San Joaquin River Basin, 4th Editior

WATER QUALITY LIMITS FOR
CONSTITUENTS AND PARAMETERS

			08/31/2006		11/03/2006			04/17/2007			07/05/2007	07/24/2007	05/20/2008			03/11/2009		
Metals (CAM 17)	**Criteria**	**Units**	**AC1**	**AC3**	**AC1**	**AC2**	**AC3**	**AC1**	**AC2**	**AC3**	**AC3**	**AC3**	**AC1**	**AC2**	**AC3**	**AC1**	**AC2**	**AC3**
Antimony	6	µg/L	< 10.0	< 10.0	**25.3**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**21.3**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Arsenic	50	µg/L	< 10.0	**10.2**	**29.9**	**20.3**	**15.1**	**12.3**	< 10.0	< 10.0	< 10.0	**32.0**	**12.9**	**14.3**	< 10.0	< 10.0	< 10.0	< 10.0
Barium	1,000	µg/L	**135.0**	**101.0**	**56.8**	**56.4**	**55.9**	**43.0**	**39.9**	**39.7**	**35.4**	**36.1**	**54.8**	**54.7**	**73.1**	**57.0**	**58.5**	**60.7**
Beryllium	4	µg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium	5	µg/L	< 10.0	< 10.0	**17.2**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chromium	50	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Cobalt	50	µg/L	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Copper	1,000	µg/L	**25.6**	< 20.0	**400**	**168**	**116**	**27.3**	**20.8**	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Lead	15	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Mercury	2	µg/L	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250
Molybdenum	35	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**11.0**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Nickel	100	µg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Selenium	50	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	**29.8**	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Silver	100	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Thallium	2	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Vanadium	50	µg/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Zinc	5,000	µg/L	< 20.0	< 20.0	**42.6**	**30.7**	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Total Oil & Grease																		
Total Oil & Grease	Narrative	mg/L	< 10.0	< 10.0				< 10.0	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0	< 10.0	< 10.0
Wet Chemestry																		
Total Alkalinity		mg/L	**27.0**	**40.0**				**54.0**	**48.0**	**48.0**	**40.0**	**40.0**	**58.0**	**50.0**	**58.0**	**78.2**	**78.0**	**82.2**
Ammonia Nitrogen	Narrative	mg/L	< 0.3	< 0.3				**0.32**	**0.30**	**2.33**	**0.10**	**0.13**	< 0.100	**0.102**	< 0.100	< 0.100	< 0.100	< 0.100
Biochemical Oxygen Demand	N/A	mg/L	< 5	< 5				< 5	< 5	< 5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.6
Specific Conductance (EC)	1,600	µS/cm	**60.0**	**92.6**				**156**	**131**	**130**	**121**	**129**	**146**	**143**	**157**	**254**	**251**	**278**
Setteable Solids	Narrative	ml/L	**0.5**	< 0.1	< 0.1	< 0.1	< 0.1	**0.1**	< 0.1	< 0.1	< 0.1	**0.2**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total Dissolved Solids	1,000	mg/L	**52.0**	**75.0**				**113**	**102**	**92.0**	**81.0**	**89**	**156**	**155**	**157**	**175**	**173**	**187**
Total Suspended Solids	Narrative	mg/L	**7.0**	< 5.0	**14.0**	**7.0**	**16.0**	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	**15.0**	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
Turbidity	Varies	NTU	**3.3**	**4.0**	**12.0**	**12.0**	**10.5**	**7.6**	**6.4**	**5.9**	**8.1**	**4.7**	**7.3**	**6.8**	**25.2**	**6.7**	**6.8**	**6.1**

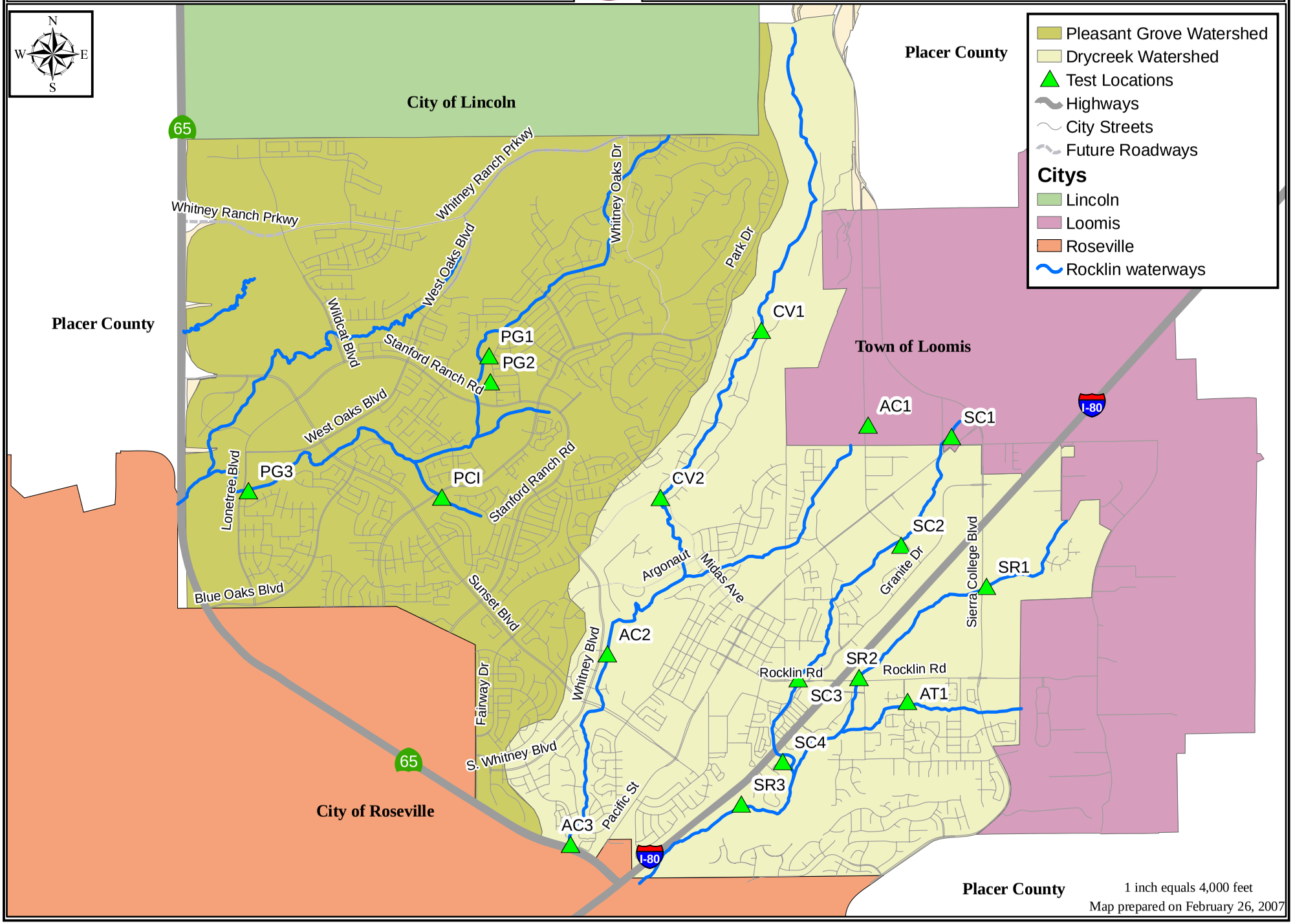
[1]California Environmental Protection Agency, Regional Water Quality Control Board, Central Valley Region. A Compilation of Water Quality Goals, August 2003.

[2]California Regional Water Quality Control Board, Central Valley Region. The Water Quality Control Plan (Basin Plan) for the Sacramento River Basins and the San Joaquin River Basin, 4th Edition, 1998.

City of Rocklin
Department of Public Works

4081 Alvis Court
Rocklin, California 95677
916.625.5500

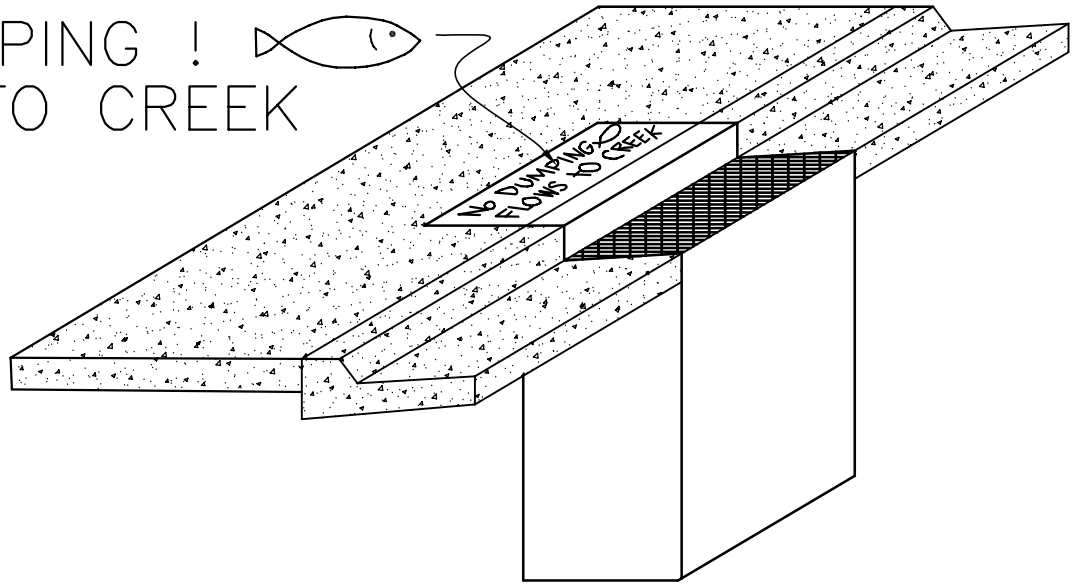
Water Quality Test Locations



1 inch equals 4,000 feet

Map prepared on February 26, 2007

NO DUMPING !
FLOWS TO CREEK



DRAIN INLETS WITHIN CITY RIGHT OF WAY

NOTES

1. STORM DRAIN MESSAGE SHALL BE APPROVED BY THE CITY OF ROCKLIN, ENGINEERING DIVISION.
2. STORM DRAIN MESSAGE SHALL BE APPLIED IN SUCH A WAY AS TO PROVIDE A CLEAR, LEGIBLE IMAGE STAMPED IN CONCRETE. THE DEPTH SHOULD BE APPROXIMATELY 0.25".
3. MESSAGE SHALL APPEAR ON ALL STORM DRAIN INLETS.

STORM DRAIN MESSAGE

N.T.S.

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

1. Clean Surface
Make sure application surface is flat, dry and free of any loose debris.

2. Apply Adhesive
Coming in 1/8" from the outside edge of the marker, apply a bead of adhesive and then work in to the center.

3. Stick It!
Apply the marker to the application surface pushing down HARD forcing adhesive out around the entire edge. It is important that the entire edge of the marker is sealed to the application surface.

DRAIN INLETS FOR COMMERCIAL PROJECTS OR ONSITE

Larry M. Wing

DRAWING APPROVED – CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
TYPICAL STORM DRAIN INLET STAMP	
SCALE: NONE DATE: MARCH 2006 DRAWN BY: K. SEIFRIED	DWG # 4–24

7. THE CONTRACTOR SHALL AT ALL TIMES CONFORM TO THE RECOMMENDATIONS FROM THE CITY OF ROCKLIN ON DUST CONTROL. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF CONTRACT. GRADING SHALL NOT OCCUR WHEN WIND SPEED EXCEEDS 10 MPH CONTINUOUSLY FOR MORE THAN 1 HOUR.

8. CONTRACTOR SHALL APPLY EROSION CONTROL HYDROSEEDING TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR AS SOON AS PRACTICAL AFTER GRADING TO REDUCE DUST AND EROSION POTENTIAL. STRAW OR HYDROMULCHING SHALL BE COMBINED WITH THE SEEDING ON SLOPES EQUAL TO OR GREATER THAN 10:1 AND PLACED PRIOR TO COMPLETION OF PROJECT IF DEEMED NECESSARY FOR CONTROLLING SOIL EROSION.

9. THE CONTRACTOR SHALL DO THE FOLLOWING IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 15TH.

   - INSTALL EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR GREATER
   - PREVENT SEDIMENT FROM LEAVING THE PROJECT AREA
   - GRADE GUTTER SAG POINTS TO DRAIN. PROVIDE FOR DRAINAGE FROM ENDS OF IMPROVEMENTS.
   - PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES AS PER SPECIFICATION SECTION SS62.
   - SEAL OFF ALL SANITARY SEWER CONNECTIONS TO EXISTING SYSTEMS

   THE CONTRACTOR SHALL MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES UNTIL THE CITY ACCEPTS THE SUBDIVISION IMPROVEMENTS.

10. PRIOR TO GRADING A RAPTOR SURVEY SHALL BE DONE AND NO CONSTRUCTION ACTIVITIES ARE ALLOWED WITHIN 0.25 MILES OF ANY IDENTIFIED RAPTOR NESTS BETWEEN THE DATES OF MARCH 15 THRU JULY 15 OR AS APPROVED BY DIRECTOR.

11. QUANTITY OF EARTHWORK: _____ EXPORT, _____ IMPORT.

12. THOSE ENGAGED IN CONSTRUCTION ACTIVITY SHALL COMPLY WITH THE CITY OF ROCKLIN CONSTRUCTION NOISE COMPATIBILITY GUIDELINES, INCLUDING RESTRICTING CONSTRUCTION NOISE GENERATING ACTIVITIES WITHIN OR NEAR RESIDENTIAL AREAS TO BETWEEN 7:00 A.M. AND 7:00 P.M. ON WEEKDAYS AND 8:00 A.M. AND 7:00 P.M. ON WEEKENDS TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR OR BUILDING OFFICIAL.

Larry M. Wing

DRAWING APPROVED – CITY ENGINEER

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

GENERAL
NOTES
(SHEET 4 OF 8)

SCALE: NONE
DATE: MARCH 2006
DRAWN BY: K. SEIFRIED

DWG #
1–5

9. EXISTING A.C. SURFACE SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL WITH THE STREET CENTERLINE AND THE EXPOSED EDGE AND VERTICAL EDGE OF GUTTER LIP SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE CONTRACTOR SHALL PREVENT SAW CUT MATERIAL FROM ENTERING DRAINAGE STRUCTURES, WATERWAYS, DRAINAGE SWALES, ETC.
MATERIAL SHALL BE GRADED, RECOMPACTED, AND RESEALED PRIOR TO PAVING. ANY CONCRETE, A.C., TREES, FENCES, AND/OR OTHER OBSTRUCTIONS REQUIRED TO CONSTRUCT THE IMPROVEMENTS SHALL BE REMOVED PRIOR TO PAVING.

10. TRAFFIC CONTROL PROCEDURES SHALL CONFORM TO THE MOST RECENT EDITION OF THE "WATCH HANDBOOK" AND THE MOST RECENT EDITION OF THE CALTRANS TRAFFIC MANUAL. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF ROCKLIN FOR THE METHOD OF TRAFFIC CONTROL PRIOR TO STARTING CONSTRUCTION.

11. THE DEVELOPER AND/OR BUILDER WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR SIDEWALKS DURING THE CONSTRUCTION PHASE. IF THE CITY FINDS A SIGNIFICANT AMOUNT OF STREET DAMAGE, AN OVERLAY OF THE ENTIRE PROJECT OR STREET IN QUESTION WILL BE REQUESTED AND PLACED BEFORE A NOTICE OF COMPLETION IS PROCESSED. THE CONTRACTOR, DEVELOPER AND/OR BUILDER ARE TOTALLY RESPONSIBLE FOR THE QUALITY OF WORKMANSHIP ON THE PROJECT.

12. UTILITIES

SEWER:	SO. PLACER MUNICIPAL UTILITY DISTRICT	(916) 652-5877
WATER:	PLACER COUNTY WATER AGENCY	(530) 823-4850
STORM DRAIN, TELECOMMUNICATION CONDUIT, STREET LIGHTS & TRAFFIC SIGNALS:	CITY OF ROCKLIN (PUBLIC WORKS)	(916) 625-5500
ELECTRIC & NATURAL GAS	PACIFIC GAS & ELECTRIC	(800) 743-5000
TELEPHONE:	PACIFIC BELL	(530) 888-2607
CABLE T.V.:	STAR STREAM	(916) 652-9277

13. SEE INDIVIDUAL AGENCIES FOR SIZE, TYPE, AND LOCATION OF THEIR PROPOSED FACILITIES

14. ALL OF THE ABOVE UTILITIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS PROJECT WILL BE REQUIRED TO NOTIFY MEMBERS OF (U.S.A.) 48-HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600. EXCAVATION, FOR THE PURPOSE OF THIS REQUIREMENT, IS DEFINED AS BEING 18" OR MORE IN DEPTH BELOW THE EXISTING SURFACE.

Larry M. Wing
DRAWING APPROVED – CITY ENGINEER

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

GENERAL
NOTES
(SHEET 6 OF 8)

SCALE: NONE
DATE: MARCH 2006
DRAWN BY: K. SEIFRIED

DWG #
1-7

Standard Conditions of Approval for Conditional Use Permits, Design Review, and Tentative Subdivision Map approvals relating to pollution prevention, drainage, storm water management, water conservation, and watershed health (native oak tree preservation).

Conditional Use Permits and Design Review

1. Utilities

b. Solid Waste Disposal – The applicant shall install masonry trash enclosures with solid metal gates to the satisfaction of the Community Development Director. The location and design of trash enclosures shall provide for a minimum clear width and gate opening of 11 feet, a minimum interior depth of 14 feet (to accommodate two trash bins), **[For Food Service Uses or if unknown: The location and design of trash enclosures shall provide for a minimum clear width and gate opening of 11 feet, a minimum interior depth of 16 feet (to accommodate a grease rendering container)],** and gates designed to clear adjacent curbing to the satisfaction of the Auburn Placer Disposal Company. (AUBURN PLACER DISPOSAL COMPANY, ENGINEERING, BUILDING, PLANNING)

4. Improvements / Improvement Plans

Project improvements shall be designed, constructed and / or installed as shown on the approved improvement plans, in compliance with applicable city standards. The project improvement plans shall include the following:
(ENGINEERING, PLANNING)

a. A detailed grading and drainage plan prepared by a registered civil engineer, in substantial compliance with the approved project exhibit(s). The grading and drainage plan shall include the following:

i) All storm drainage run-off from site shall be collected into a City standard sand and oil trap manhole (or an equal as approved by the City Engineer) prior to discharge of storm run-off offsite. Said sand and oil trap manhole shall be maintained by owner.

ii) All storm drainage inlets shall be stamped with City Engineer approved wording indicating that dumping of waste is prohibited and identifying that the inlets drain into the creek system.

iii) Provisions for detaining run off at pre-development levels.

iv) The developer shall prepare a Storm Water Pollutant Protection Plan (SWPPP) for review and approval by the State Regional Water Quality Control Board as part of the project's drainage improvement plans.

v) Prior to the commencement of grading operations, and if the project site will not balance with respect to grading, the contractor shall identify the site where any excess earthen material shall be deposited. If the deposit site is within the City of Rocklin, the contractor shall submit a report issued by a technical engineer to verify that the exported materials are suitable for the intended fill and show proof of all approved grading plans. Haul routes to be used shall be specified. If the site requires importing of earthen material, then prior to the commencement of grading operations, the contractor shall identify the site where the imported earthen material is coming from and the contractor shall submit a report issued by a technical engineer to verify that the imported materials are suitable for the intended fill and show proof of all approved grading plans. Haul routes to be used shall be specified.

b. All on site standard improvements, including but not limited to:

i) paving, curbs (including concrete curbs to contain all landscape areas adjacent to vehicle parking areas or travel lanes), gutters, sidewalks, drainage improvements, irrigation improvements (main lines and distribution where located under paved areas), utility improvements, parking lot lights, fire hydrants (where necessary), retaining walls, fences, pilasters, enhanced pavement treatments, trash enclosures, etc.

d. The following on-site special improvements:

ii) Permanent landscape barriers shall be installed along the boundary between the project site and the adjacent open space parcels (APN# _____) to provide a clear visual edge for maintenance purposes and a physical barrier to retard the spread of plants between the groomed landscaping and the adjacent open space vegetation. Said barrier could consist of a concrete mow strip, concrete curbing, or other durable method / material to the satisfaction of the Community Development Director.

iii) A post and cable fence shall be installed along the length of the projects sites common property line with the adjacent open space. Said fencing shall be constructed of a single steel cable strung between steel posts approximately 3'-6" high spaced approximately 6' on center and set in concrete. Gates shall be

located at the access points to the open space areas as indicated on Exhibit A.

e. The following off-site improvements:

ii Rough grading, erosion control, and hydroseeding (with a drought tolerant mix of wild flowers and grasses), as deemed appropriate by the City Engineer, for all areas disturbed by grading of the project site but not developed.

j. Provisions for dust control, re-vegetation of disturbed areas, and erosion control, in conformance with the requirements of the City of Rocklin, including but not limited to the following (which shall be included in the project notes on the improvement plans):

i) Prior to commencement of grading, the developer shall submit a dust control plan for approval by the Community Development Director and the Placer County Air Pollution Control District. The plans shall specify measures to reduce dust pollution during all phases of construction.

ii) Traffic speeds on all unpaved road surfaces shall be posted at 25 mph or less.

iii) All grading operations shall be suspended when wind speeds exceed 25 mph.

iv) All adjacent paved streets shall be swept during construction.

v) All trucks leaving the site shall be washed off to eliminate dust and debris.

vi) All construction equipment shall be maintained in clean condition.

vii) All exposed surfaces shall be revegetated as quickly as feasible.

viii) If fill dirt is brought to the construction site, tarps or soil stabilizers shall be placed on the dirt piles to minimize dust problems.

ix) Water or dust palliatives shall be applied on all exposed earth surfaces as necessary to control dust. Construction contracts shall include dust control treatment as frequently as necessary to minimize dust.

x) Construction equipment shall be properly maintained and tuned.

xi) Low emission mobile construction equipment shall be utilized where possible.

xii) Open burning of vegetation is prohibited.

6. Flood and Drainage Control Agreement

The property owner shall enter into a written agreement with the City of Rocklin not to protest or oppose the establishment or formation of an improvement, assessment or similar district or area of benefit, or the levy or imposition of any assessment, fee, lien, tax or other levy, whether or not in connection with a district or area of benefit, for the purpose of flood and drainage control in the City of Rocklin. The agreement shall also indemnify the City against claims arising from developer's construction of improvements or development of the project and shall be recorded and binding on successors in interest of developer. (ENGINEERING)

7. Oak Trees

a. Prior to the issuance of any grading permit for any portion of the project site, a grading plan with a list of all existing oak trees on the property and a schedule of removal of those oak trees proposed to be removed shall be submitted for review and approval by the Director of Community Development and the City Engineer. (ENGINEERING, PLANNING)

b. The developer shall retain a certified arborist to review the design of the project improvements and recommend measures to protect trees that are designated to remain, both during construction and afterwards. These measures shall be incorporated into the project's grading and / or improvement plans, for review and approval of the City Engineer. The protection measures shall include appropriate fencing around those trees to remain. The protection measures shall be approved prior to the issuance of improvement plans or a grading permit for all or any portion of the project. (ENGINEERING, PLANNING)

c. The applicant shall retain a certified arborist to prepare and implement an inspection plan providing for the periodic inspection of the site during grading and construction, and verification to the City Engineer that the approved protection measures are properly implemented. (ENGINEERING, PLANNING)

d. Upon completion of a project and prior to a final inspection / issuance of a certificate of occupancy, the project arborist shall prepare a final list of all oak trees removed to accommodate development of the project. Prior to a final inspection / issuance of a certificate of occupancy the developer shall mitigate for all oak trees removed as a result of the project **as set forth in**

the City of Rocklin Oak Tree Ordinance / as stipulated in the project EIR *explain*. (ENGINEERING, PLANNING)

e. If mitigation for oak tree removal includes the planting of replacement oak trees replacement trees shall be located **(specify location/s)**. All replacement oak trees shall be species from the Native Oak Tree list found in the City of Rocklin Oak Tree Guidelines. Any replacement trees to be planted on individual residential lots shall be shown on the plans submitted for a building permit and shall be planted prior to a final inspection for the home. (ENGINERING, PLANNING, BUILDING)

8. Landscaping

a. Final landscape plans shall be prepared by the developer and approved by the Director of Community Development. The landscape plans shall comply with the following requirements (PLANNING):

i) The landscaping plan shall be prepared by a landscape architect and shall include:

(3) An irrigation plan including an automatic irrigation system. The plan shall include drip irrigation wherever possible.

ii) The plan shall be certified by the landscape architect that the landscape plan meets the requirements of the water Conservation and Landscaping Act. Government Code §65591, et seq.

14. Outdoor Storage

All incidental and miscellaneous outdoor storage areas shall be completely screened from public view by a decorative masonry or concrete wall or approved equal. All gates shall be solid and view obstructing, constructed of metal or other durable and sturdy materials acceptable to the Community Development Director. (PLANNING)

15. Maintenance

b. The project, including but not limited to paving, landscaping, structures, and improvements shall be maintained by the property owners, to the standard of similarly situated properties in equivalent use zones, to the satisfaction of the Community Development Director. (PLANNING)

c. The outdoor seating area shall be maintained free of trash and any other debris to the satisfaction of the Community Development Director. (PLANNING)

17. Hillside and Bluff Protection

An open space and conservation easement (as described in Government Code section 51070, et seq.) shall be recorded over that portion of the project site described as follows for purposes of hillside and bluff protection (PLANNING, ENGINEERING):

[**Describe area by reference to lots, building limit line, delineation on map, etc. Note requirements of Open Space and Conservation Element Policies 1, 2, 15, 19, & 20, and actions 1 & 2.**]

a. The easement shall be in substantial compliance with the City's form Grant of Open Space and Conservation Easement, and shall prohibit among other things, grading, removal of native vegetation, deposit of any type of debris, lawn clippings, chemicals or trash, and the building of any structures, **[including fencing] or [except "open" type fencing such as split rail or wood post and wire at the following locations: [specify location]]**

18. Riparian Area and Creek Protection

An open space and conservation easement (as described in Government Code section 51070, et seq.) shall be recorded to the satisfaction of the City Engineer and shall be over that portion of the project site described as follows for purposes of riparian area and creek protection (PLANNING, ENGINEERING):

[**describe area by reference to lots, building limit lines, delineation on map, etc.; note requirements of Open Space and Conservation Element Policies 1, 2, 15, 19, & 20, and Actions 1 & 2.**]

a. The easement shall be in substantial compliance with the City's form Grant Of Open Space And Conservation Easement, and shall prohibit, among other things, grading, removal of native vegetation, deposit of any type of debris, lawn clippings, chemicals, or trash, and the building of any structures, including fencing; provided, that native vegetation may be removed as necessary for flood control and protection pursuant to a permit issued by the California Department of Fish and Game.

b. The open space area shall be marked in the field with 4" x 4" concrete posts or other suitable and permanent markers.

25. Mitigation Monitoring

(If no tentative map, revise accordingly) Prior to **(recording of the first final map or any grading / any grading)** on the property, the **(subdivider / developer)** shall deposit with the City of Rocklin the current fee to pay for the

City's time and material cost to administer the Mitigation Monitoring Program. The Community Development Director shall determine if and when additional deposits must be paid for administering the Mitigation Monitoring Program, including additional deposits on subsequent (**phase final maps / phases of construction)**. These amounts shall be paid prior to (**recording subsequent final maps / construction for additional phases)** on this project. (ENGINEERING, PUBLIC WORKS, BUIDLING, PLANNING)

Tentative Subdivision Maps

4. Improvements/Improvement Plans

Project improvements shall be designed, constructed and / or installed as shown on the approved Exhibit A, in compliance with applicable City standards including but not limited to the City's Standard Specifications then in effect. The project improvement plans shall be subject to and / or provide for the following (ENGINEERING, PLANNING):

c. A detailed grading and drainage plan prepared by a registered civil engineer, in substantial compliance with the approved project exhibit(s). The grading and drainage plan shall include the following:

1) Provisions for detaining run off at pre-development levels including the location(s) and specifications of on-site or off-site detention basins, if any. If **(a)** detention basin**(s) is / are** a part of the project drainage system the following shall be provided:

i. Prior to or concurrently with the approval of the final map an appropriate restriction shall be recorded over the detention basin(s) to assure their availability and use for this purpose and use in perpetuity. (This condition is appropriate only where detention basin(s) serve more than one parcel.)

ii. Prior to or concurrently with the approval of the improvement plans a detention basin maintenance plan shall be developed by the subdivider and submitted to and approved by the City Engineer. The plan [may / shall not] provide for public ownership of all or a portion of the detention basin(s).

2) Individual lot drainage including features such as lined drainage swales.

3) All storm drainage run-off from site shall be collected into a City standard sand and oil trap manhole (or an equal as approved by the City Engineer) prior to discharge of storm run-off offsite.

4) All storm drainage inlets shall be stamped with City Engineer approved wording indicating that dumping of waste is prohibited and identifying that the inlets drain into the creek system.

5) Subdivider shall prepare a storm water pollutant protection plan (SWPPP) for review and approval by the State Regional Water Quality Control Board as part of the project's drainage improvement plans.

6) **Subdivider shall process and obtain an amendment to the FEMA map affected by the subdivision as follows: [describe]**

7) Prior to any on or off- site grading or construction activities, including issuance of improvement plans, for any phase of the project a Storm Water Management plan for preventing noncompliant storm water runoff at all times but especially during the rainy seasons shall be incorporated into the improvement plans. The Storm Water Management plan would also need to cover the time period of the project after the subdivision improvements are installed and construction of the houses commences on disturbed soils. The Storm Water Management plan shall be prepared by a qualified storm water management professional.

9) ***Note and describe any special standards or limitations on grading activities applicable to the subdivision or portion thereof.***

10) Prior to the commencement of grading operations, and if the project site will not balance with respect to grading, the contractor shall identify the site where any excess earthen material shall be deposited. If the deposit site is within the City of Rocklin, the contractor shall submit a report issued by a technical engineer to verify that the exported materials are suitable for the intended fill and show proof of all approved grading plans. Haul routes to be used shall be specified. If the site requires importing of earthen material, then prior to the commencement of grading operations, the contractor shall identify the site where the imported earthen material is coming from and the contractor shall submit a report issued by a technical engineer to verify that the imported materials are suitable for the intended fill and show proof of all approved grading plans. Haul routes to be used shall be specified.

11) Construction related and permanent Best Management Practices (BMPs) and Best Available Technologies (BATs) shall be incorporated into the final project design and / or noted on the Improvement Plans as appropriate to reduce urban pollutants in runoff, consistent with goals and standards established under

Federal and State non-point source discharge regulations (NPDES permit) and Basin Plan water quality objectives. Storm water runoff BMPs selected from the Storm Water Quality Task Force, the Bay Area Storm Water Management Agencies Association <u>Start at the Source – Design Guide Manual</u>, or equally effective measures shall be identified prior to final design approval and shall be incorporated into project design and / or noted on the Improvement Plans as appropriate.

To maximize effectiveness, the selected BMPs shall be based on finalized site-specific hydrologic conditions, with consideration for the types and locations of development. Mechanisms to maintain the BMPs shall be identified in on improvement plans.

12) Prior to any grading or construction activities, the subdivider shall:

i. Obtain a General Construction Activity Storm Water Permit as a part of the National Pollutant Discharge Elimination System (NPDES) permit process from the Regional Water Quality Control Board.

ii. Submit verification from the U.S. Army Corp of Engineers and the California Department of Fish and Game that the project meets all regulations and that the subdivider has obtained all required permits relating to wetlands and waterways.

d. The following subdivision improvements shall be designed, constructed, and/or installed:

1) All on-site standard subdivision improvements, including streets, curbs, gutters, sidewalks, drainage improvements, utility improvements (including cable television trenching), street lights, and fire hydrants.

4) The following off-site improvements:

Example

i) install frontage improvements along the Blue Oaks Boulevard including but not limited to a frontage lane, curb, gutter and sidewalk, and landscaping.

e. Landscape and irrigation plans shall be included with the project improvement plans and shall comply with the following: (ENGINEERING, PUBLIC WORKS, PLANNING)

iii. An irrigation plan including an automatic irrigation system. The plan shall include drip irrigation wherever possible.

iv. Use of granite or moss rock boulders along the planting areas.

v. Certification by the landscape architect that the landscape plans meets the requirements of the Water Conservation and Landscaping Act. Government Code §65591, et seq.

g. Improvement plans shall contain provisions for dust control, revegetation of disturbed areas, and erosion control. If an application for a grading permit is made prior to execution of a subdivision improvement agreement, it shall include an erosion control plan and shall be accompanied by financial security to ensure implementation of the plan. (ENGINEERING)

j. Prior to commencement of grading, the subdivider shall submit a dust control plan that has been reviewed and approved for the project by the Placer County Air Pollution Control District for inclusion with the approve improvement plans. ***This plan shall identify adequate dust control measures and shall provide for but not be limited to the following:***

1) A pre-construction meeting prior to any grading activities to discuss the construction emission / dust control plan with employees and / or contractors. The Placer County Air Pollution Control District is to be invited.

2) The subdivider shall suspend all grading operations when fugitive dusts exceed District Rule 228 Fugitive Dust limitations.

3) The subdivider shall provide for a representative, certified by the California Air Resources Board (CARB) to perform Visible Emissions Evaluations (VEE), to routinely evaluate compliance to Rule 228, Fugitive Dust.

4) It is to be noted that fugitive dust is not to exceed 40% opacity and not go beyond the property boundary at any time.

5) If lime or other drying agents are utilized to dry out wet grading areas, they shall be controlled as not to exceed District Rule 228 Fugitive Dust Limitations.

6) An enforcement plan established in coordination with the Placer County Air Pollution Control District to weekly evaluate project-related on- and off-road heavy-duty vehicle engine emission opacities, using standards as defined in California Code of Regulations, Title 13, Sections 2180-2194. An Environmental Coordinator, CARB-certified to perform Visible Emissions Evaluations (VEE), shall routinely evaluate project related off-road and heavy duty on-road equipment emissions for compliance with this requirement.

k. Prior to any grading or construction activities including issuance of improvement plans, the developer shall submit a design-level soil

investigation for the review and approval of the City Engineer and Chief Building Official that evaluates soil and rock conditions, particularly the potential for expansive soils. The professional engineer that prepared the soil investigation shall recommend appropriate roadway construction and foundation techniques and other best practices that are to be implemented by the project during construction. These techniques and practices shall address expansive soils or other geological concerns requiring remediation, including but not limited to:

- Recommendations for building pad and footing construction;
- Use of soil stabilizers or other additives; and
- Recommendations for surface drainage.

[When required by the City Engineer]

m. Prior to any on or off- site grading or construction activities, including issuance of improvement plans for any phase of the project, the subdivider shall provide verification to the City Engineer that a qualified storm water management professional has been retained and is available to monitor construction activities and provide written reports to the City. This notification shall include name(s) and 24 hour contact information. The storm water management professional shall be present on site at ~~all~~ times necessary when work is occurring during the grading, trenching, and building construction phases (if homes to be built by subdivider) of the project in order to observe, assess, and direct on site storm water management. The storm water management professional shall also monitor the work site on a regular basis even when no construction activities are occurring to ensure that installed water quality and Best Management Practice devices or improvements are installed and functioning properly. The storm water management professional shall monitor the site prior to, during, and after any storm events. (ENGINEERING)

[When required by the City Engineer]

n. Prior to on or off- site any grading or construction activities, including issuance of improvement plans for any phase of the project, the subdivider shall provide funding for a qualified storm water management professional to be retained by the City to monitor the project's on and off site construction activities for compliance with the National Pollutant Discharge Elimination System (NPDES) Permitting Program and provide written reports to the City as directed by the City Engineer. The subdivider shall pay a deposit based on the City Engineer's best estimate of the monitoring time required by the project and the cost to retain a storm water management professional prior to any grading or construction activity including issuance of improvement plans. For budgeting purposes this is estimated to be 6 hours per week in the wet season and 3 hours per week in the dry season. Additional

costs over and above the estimate shall be billed to the subdivider on a time and materials basis payable to the City prior to acceptance of project improvements. (ENGINEERING)

o. The following shall be included in the project notes on the improvement plans:

1) Prior to commencement of grading, the subdivider shall submit a dust control plan for approval by the City Engineer and the Placer County Air Pollution Control District. The plans shall specify measures to reduce dust pollution during all phases of construction.

2) Traffic speeds on all unpaved road surfaces shall be posted at 25 m.p.h. or less.

3) All grading operations shall be suspended when wind speeds exceed 25 m.p.h.

4) All adjacent paved streets shall be swept during construction.

5) All trucks leaving the site shall be washed off to eliminate dust and debris.

6) All construction equipment shall be maintained in clean condition.

7) All exposed surfaces shall be revegetated as quickly as feasible.

8) If fill dirt is brought to the construction site, tarps or soil stabilizers shall be placed on the dirt piles to minimize dust problems.

9) Water or dust palliatives shall be applied on all exposed earth surfaces as necessary to control dust. Construction contracts shall include dust control treatment as frequently as necessary to minimize dust.

10) Construction equipment shall be properly maintained and tuned.

11) Low emission mobile construction equipment shall be utilized where possible.

12) Open burning of vegetation is prohibited.

5. Special Provisions

a. To comply with Rocklin Municipal Code chapter 15.16 (Flood Hazard), the final map shall provide for the following (ENGINEERING):

1) Delineation of the 100-year floodplain elevation(s);

2) Identification of a finish floor elevation of each lot at two (2) feet above the 100-year floodplain elevation;

3) Recordation of a flood zone easement across the area of the 100-year floodplain boundary or fifty (50) feet from center line; whichever is greater.

7. Flood and Drainage Control Agreement

The property owner shall enter into a written agreement with the City of Rocklin not to protest or oppose the establishment or formation of an improvement, assessment or similar district or area of benefit, or the levy or imposition of any assessment, fee, lien, tax or other levy, whether or not in connection with a district or area of benefit, for the purpose of flood and drainage control in the City of Rocklin. The agreement shall also indemnify the City against claims arising from developer's construction of improvements or development of the project and shall be recorded and binding on successors in interest of developer. (ENGINNERING)

10. Oak Tree Removal and Mitigation

a. Prior to any grading or construction activities, or the issuance of improvement plans, for any portion of the subdivision, an inventory of all existing trees in the subdivision and in the phase in question shall be provided along with a schedule of removal of those trees shown on the improvement plan to be removed with that phase shall be submitted for review and approval. (PLANNING, ENGINEERING)

b. Prior to any grading or construction activities, or the issuance of improvement plans, for any portion of the subdivision, the subdivider shall retain a certified arborist to review the design of the subdivision improvements and recommend measures to protect the trees, which are designated to remain, both during construction and afterwards. The protection measures shall include but are not limited to appropriate fencing around those trees to remain. The protection measures shall be incorporated into the subdivision improvement plans or grading permit for any portion of the subdivision prior to approval. (ENGINEERING, PLANNING)

c. Prior to any grading or construction activities, or the issuance of improvement plans, for any portion of the subdivision, the subdivider shall provide verification that a certified arborist has been retained and prepared an inspection plan providing for the periodic inspection of the site during grading and construction and the necessary tree and root trimming to accommodate construction of roads, trails, and the emergency access bridge. Said arborist will implement the inspection plan and provide written verification to the City

Engineer that the approved protection measures are properly implemented. (ENGINEERING)

d. Prior to recording a final map for any phase of the project the project arborist shall prepare a final list of all oak trees removed that are six inches in diameter or greater, including total number and inches of trees removed. Prior to recording the final map the subdivider shall mitigate for the removal of all oak trees within that phase that are six inches in diameter or greater, in compliance with the provisions of the City of Rocklin Tree Ordinance (Chapter 17.77 of the Rocklin Municipal Code (Ordinance 676), including planting replacement of trees and / or payment of in-lieu fees. If adequate locations cannot be found to replace all removed oak trees, then the remaining mitigation requirement shall be met through payment into the existing City of Rocklin Tree Preservation Fund at the rate and formula specified in the City of Rocklin Municipal Code. (ENGINEERING, PLANNING)

e. If planting of replacement is trees is proposed to mitigate for the removal of oak trees a tree planting plan and related five year irrigation system shall be included with the improvement plans for that portion of the subdivision prior to issuance. The plan shall specify monitoring requirements including required inspections for at least a five-year period to ensure that the trees are established and able to survive on their own. The replacement trees shall be a minimum of 15-gallons in size and of oak species native to the Rocklin area as listed in Appendix A of the City of Rocklin Oak Tree Preservation Guidelines. Replacement trees shall be planted _____ as deemed feasible by a certified arborist or landscape architect. (PLANNING, ENGINEERING)

14. Hillside and Bluff Protection

a. An open space and conservation easement (as described in Government Code section 51070, et seq.) shall be recorded over that portion of the subdivision described as follows for purposes of hillside and bluff protection (ENGINEERING, CITY ATTORNEY):

[describe area by reference to lots, building limit line, delineation on map, etc. Note requirements of Open Space and Conservation Element Policies 1, 2, 15, 19, & 20, and actions 1 & 2.]

The easement shall be in substantial compliance with the City's form Grant of Open Space and Conservation Easement, and shall prohibit among other things, grading, removal of native vegetation, deposit of any type of debris, lawn clippings, chemicals or trash, and the building of any structures, ***[including fencing] or [except "open" type fencing such as split rail or wood post and wire at the following locations: [specify location]]***

b. The open space area shall be marked in the field with 4" x 4" concrete posts a minimum of 30" high or other suitable and permanent markers. (PLANNING, ENGINEERING)

c. The final map shall show a primary structure setback line located parallel to and _____ feet from the boundary of the open space and conservation easement. (ENGINEERING)

15. Riparian Area and Creek Protection

a. An open space and conservation easement (as described in Government Code section 51070, et seq.) shall be recorded over that portion of the subdivision described as follows for purposes of riparian area and creek protection:

[describe area by reference to lots, building limit lines, delineation on map, etc.; note requirements of Open Space and Conservation Element Policies 1, 2, 15, 19, & 20, and Actions 1 & 2.]

The easement shall be in substantial compliance with the City's form Grant Of Open Space And Conservation Easement, and shall prohibit, among other things, grading, removal of native or mitigation vegetation, deposit of any type of debris, lawn clippings, chemicals, or trash, and the building of any structures, including fencing **except a tubular steel fence to be located 10-feet behind the back of curb or sidewalk as applicable where the parcel abuts a street**; provided, that native vegetation may be removed as necessary for flood control and protection pursuant to a permit issued by the California Department of Fish and Game. (ENGINEERING)

b. The open space area shall be marked in the field with 4" x 4" concrete posts a minimum of 30" high or other suitable and permanent markers. (PLANNING, ENGINEERING)

c. The final map shall show a primary structure setback line located parallel to and _____ feet from the boundary of the open space and conservation easement. (ENGINEERING)

16. Open Space -- Common Areas -- Maintenance

Prior to or concurrently with the recordation of the final map the Subdivider shall provide for the ownership and maintenance of those portions of the project to be commonly owned and / or maintained by the residents of the subdivision as specified herein through formation of a homeowner's association. The documents creating the homeowner's association shall meet the following requirements and minimum provisions: (ENGINEERING, CITY ATTORNEY)

a. Define the following portions of the subdivision to be common areas jointly owned and / or maintained by the residents of the subdivision: ***[describe]***

b. Assignment to the homeowner's association responsibility for the maintenance of common areas and commonly maintained areas including but not limited to ***[define as appropriate: structures, landscaping, private utility services, outdoor lighting, private streets, parking, recreational facilities, detention and drainage facilities, all landscaping in the Public R.O.W. as required herein, and structures]***.

c. Assignment to the homeowner's association responsibility to monitor and report to the Community Development Director of the City of Rocklin on activities and violations of any of these conditions, easement restriction, or any other ordinance, rule or regulation of the City occurring within the common area.

d. A statement that the City may, at its option, cause the maintenance responsibilities set forth in the documents creating the homeowners association to be performed and assess (lien) the cost to the homeowner's association in the event the project is not maintained in accordance with the approved plans. (RMC §17.60.040)

e. A statement expressly prohibiting modification or deletion of any portion of the homeowner's association documents which specifically address City conditions of approval, City requirements, or termination of the HOA in its entirety, without the express written consent of the City.

f. The documents creating the homeowner's association shall specifically include the following condition(s) for enforcement by the homeowner's association: ***[insert and describe as needed]***

g. A use permit shall be required for any development, including fencing and landscaping, within the common area. Notice of this requirement shall be recorded by separate instrument with the final map]

i. In lieu of a property owners association, as required above in Section 15(b), Subdivider may utilize a conservancy, or other suitable legal entity, to own, maintain, and carry out all duties identified in this Section 3 as relate to the lot designated "Open Space" on Exhibit A. This alternative ownership entity shall have characteristics of responsibility, accountability, and longevity, which are substantially similar to a property owners' association, so that the City is confident of the entity's ability to operate, manage and maintain the open space in perpetuity. Any alternative ownership entity shall be formed so that the maintenance, monitoring, and lien rights required in Section 15(b) are legal obligations of the ownership entity. The alternative ownership entity shall be reviewed and approved by the City Attorney and the Community Development Director for compliance with these conditions of approval.

18. Air Quality

a. Subdivider shall develop and distribute educational materials to all new residents within the project addressing the following air quality concerns:

1) Open burning, wood burning, and air pollution: problems and solutions.

2) Transportation Control Measures: ride sharing, mass transit availability/schedules, computerized ride-matching services, and other measures designed to reduce both the use of single-occupancy vehicles and vehicle miles traveled.

b. Subdivider shall participate in the Placer County Air Pollution Control District's Offsite Mitigation Program. Fees for single family residential units shall be collected at the time of each respective small lot Final Map.
[For projects in Northwest Rocklin only. See Air Quality condition D.14 (Exhibit B) Ordinance 941 (General Development Plan)]

19. Phasing

Multiple final maps may be filed subject to the following criteria: ***[list any restriction, specify what conditions must be satisfied with what phase such as but not limited to provision of a phasing plan showing the sequence of site improvements shall be submitted for review and approval. Conditions may be placed upon the phasing to ensure each phase shall function independently. Common area facilities and improvements may be required].*** (ENGINEERING, PLANNING)***]***

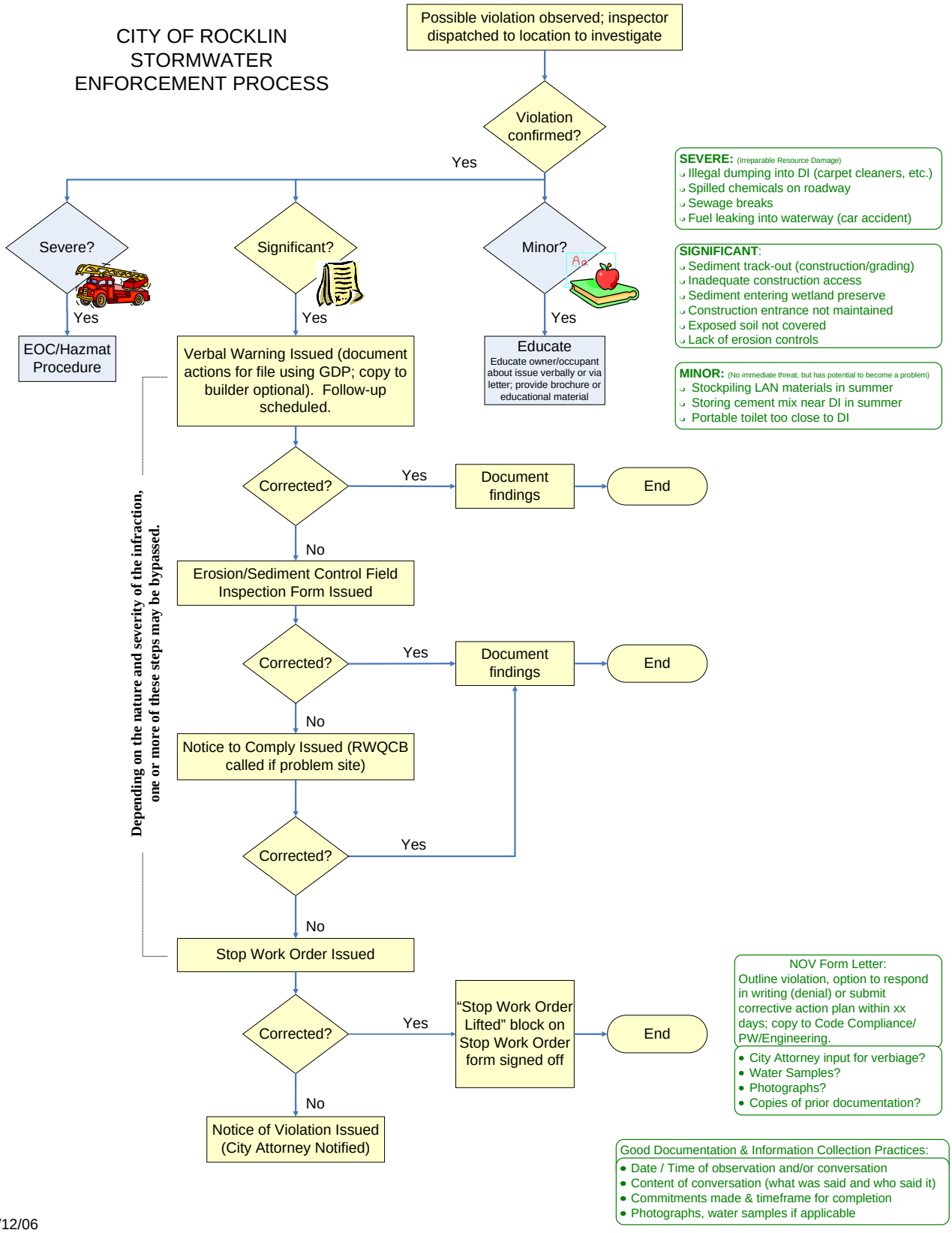
22. Mitigation Monitoring

Prior to recording of the first final map or any grading on the property, the subdivider shall deposit with the City of Rocklin the current fee to pay for the City's time and material cost to administer the Mitigation Monitoring Program. The Community Development Director shall determine if and when additional deposits must be paid for administering the Mitigation Monitoring Program, including additional deposits on subsequent phase final maps. These amounts shall be paid prior to recording subsequent final maps on this project. (ENGINEERING)

ENFORCEMENT and REPORTING PROCESSES

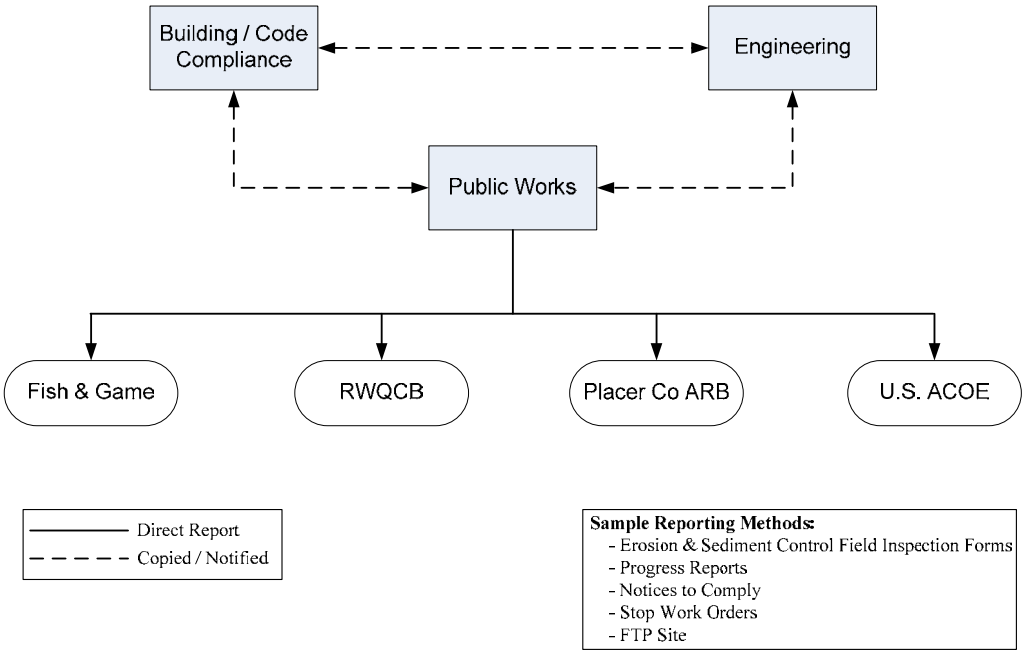
The City developed and adheres to enforcement and reporting processes for both construction related and post-construction related discharges. The processes are illustrated in the charts that follow.

CITY OF ROCKLIN STORMWATER ENFORCEMENT PROCESS

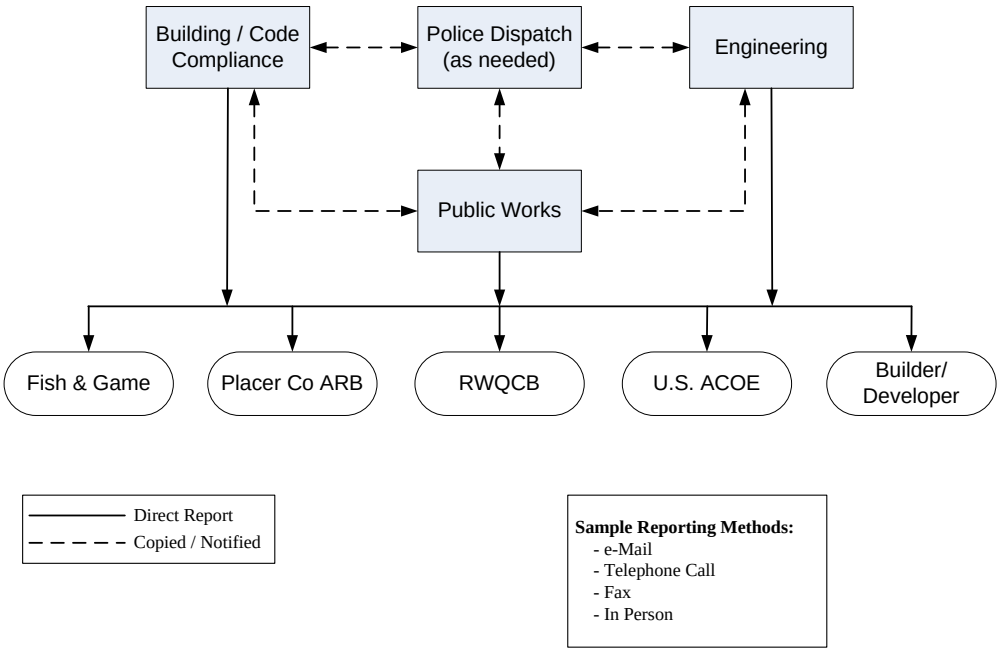


7/12/06

Routine Reporting Process



Significant Issues Reporting Process



REVISED

PLACER REGIONAL STORMWATER COORDINATION GROUP & THE CITY OF LINCOLN

CORDIALLY INVITES YOU TO ATTEND OUR FIRST STORM WATER POLLUTION PREVENTION OUTREACH PRESENTATION

FOR: **Contractors, Inspectors, Developers & Utility Companies**

TOPIC: **INTRODUCE THE NEW CONSTRUCTION AND STORMWATER CITY PERSONNEL, DISCUSS THE NEW DRAFT GENERAL CONSTRUCTION PERMIT AND REVIEW THE NON-RAINY SEASON SWPPP REQUIREMENTS. (There is no charge to attend)**

SPEAKER: **JERRY MONTGOMERY, CESSWI (Interwest Consulting Group)**

WHEN: **FRIDAY, JUNE 5, 2009**

WHERE: **FIRST FLOOR, CITY HALL**
600 SIXTH STREET, LINCOLN, CA 95648

TIME: **9:30 am – 11:00 am**

PLEASE RSVP NO LATER THAN JUNE 2, 2009 to
Alma Ambrose @ (916) 434-2462 OR aambrose@ci.lincoln.ca.us

The Placer Region Stormwater Coordination Group
Includes the County of Placer and Cities of
Auburn, Lincoln, Rocklin, Loomis, and Roseville.

INTERWEST CONSULTING GROUP

Home | About Rocklin | City Services | Calendar | FAQ | E-Resources | Contact Us | Go

Online Guide for Residents

Online Guide for Businesses

Online Guide for Visitors

Online Guide to City Services

Events

World Ocean Day!

World Ocean Day
Hosted by STAR ECO Station and co-sponsored by the City of Rocklin, World Ocean Day is an annual event held on or near World Oceans Day, June 8 each year. In 2009, the United Nations officially declared June 8 World Oceans Day to help promote public awareness about the health of the world's oceans, and personal responsibility for helping to care for all the water of the earth.

This fun family event includes exhibits and demonstrations from local conservation and environmental groups, as well as food, music, and hands on activities that highlight the connection between people and the ocean, no matter where you live. For more information please go to www.ecostation.starsacramento.org/ocean-day.html.

The City's Storm Water Management Program (SWMP) also endeavors to educate Rocklin residents and business about the importance of local storm water quality and the health of our creeks, streams, and open space areas. For more information on the City's SWMP contact the Public Works Department at 916.625.5500 or via e-mail at Access Rocklin.

To sign up for a booth or exhibit, please contact STAR ECO Station at 916.632.8417, e-mail eco@starsacramento.org, or visit their website at www.ecostation.starsacramento.org/.

Click Here for More Information

Free Stormwater Seminar
The Placer Regional Stormwater Coordination Group and the City of Lincoln will be hosting a Stormwater Pollution Prevention Outreach Presentation at Lincoln City Hall on Friday, June 5, 2009.

Contractors, Inspectors, Developers and Utility Companies are invited to attend. Jerry Montgomery from Interwest Consulting Group will discuss the new Draft General Construction Permit and review dry-season SWPPP requirements.

There is no charge to attend, however, interested parties are asked to register by June 2, 2009. To register, contact Alma Ambrose at 916.434.2462 or e-mail aambrose@ci.lincoln.ca.us.

Click Here for More Information

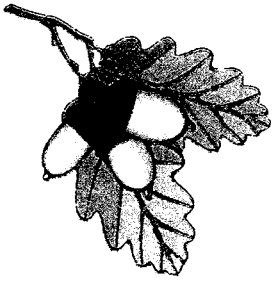
CREEK WEEK

Creek Week
Creek Week is an annual event organized by a committee of local schools, businesses, agencies and watershed groups to celebrate the importance of our urban nature areas with volunteer work and educational events.

Activities typically include tree planting, creek and open space clean up, removal of invasive plant species, and other maintenance in and around creeks and watersheds.

Hot Chili & Cool Cars
Hosted by the Rocklin Chamber of Commerce and sponsored by the City of Rocklin and local businesses, Hot Chili & Cool Cars is an annual event held in September where more than 100 classic car owners and dozens of chili cooks compete for a variety of prizes. While the chili and cars are the stars of the show, there are plenty of other activities for the family to enjoy. Examples from past events include bobbing for jalapenos, chili eating, water balloon and hula hoop contests, face painting and, of course, live music.

To sign up for chili booth, craft booth, business booth, or enter a classic car, please contact the Rocklin Chamber of Commerce at 916.624.2548, e-mail info@rocklinchamber.com or visit their website at www.rocklinchamber.com.



Collecting and Planting Acorns
Each year from August to November depending on the species of oak, the native oak trees in Rocklin produce an abundant crop of acorns. These acorns will become some of our future heritage oaks with the help of volunteers and city staff. Staff identify oak trees that are native to the Rocklin area and when the acorns are beginning to drop.

Usually the first 5 to 10% of the acorns that fall are often insect-infested and not suitable for collection. When the good acorns start to fall, a portion of these acorns are collected for propagation and future planting within the city. Not all acorns are collected; the acorns left behind will provide food for wildlife and some will propagate on their own!

Timing is important and there are only a few days that acorns can be collected for each tree. Keep checking this website for a collection date, time and location. If you miss the collection day, do not feel bad, there will be scheduled dates in late summer and early fall where you can volunteer to plant the acorns in growing

containers. You can also volunteer in the early spring to plant oak trees in different areas of the city.

If you are interested in participating in an acorn collection or planting event, please contact Public Works at 916.625.5500 or keep checking this website for updates.

About Public Works
Current Projects
Events
Get a Permit
Landscaping, Creeks & Open Space
Pollution Prevention
Publications & Forms
Report a Problem
Streets & Drains
Traffic, Lights & Signs

City of Rocklin

EROSION AND SEDIMENT CONTROL FIELD INSPECTION

Date: _____ **Time:** _____ **Weather:** _____ **WDID:** _____

Contractor: _____ **Project:** _____

Type of Inspection (Circle One): **Monthly / Weekly / Pre-Storm / During / Post Storm** ❑ From Complaint

SITE INSPECTION FINDINGS	YES	NO	N/A	BMP CONDITION:			COMMENTS
				Effective	Satisfactory	NM*	
1. All areas used for construction entry are stabilized.							
2. Streets, sidewalks and gutters are clean and free of dirt, mud, concrete, etc.							
3. Fiber rolls are installed and maintained.							
4. Energy dissipation devices: ❑ Rock Bar ❑ Earth Berms ❑ Check Dams ❑ Other:_____							
5. Silt fences are installed and maintained.							
6. Storm drains inlets are protected with rock bags and filters.							
7. Dust control							
8. Trash / debris containment							
9. Hazardous materials are protected and stored properly.							
10. Portable toilets are behind sidewalks and 50' away from DI's.							
11. Concrete washouts are being used and properly maintained.							
12. Stockpiles and spoils are covered and/or stabilized.							
13. Slopes and banks are covered and stabilized.							
14. There is evidence of erosion caused by rain or other source.							
15. There is evidence of sediment washing away from site.							
16. SWPPP documentation, contractor inspection reports current.							
17. Other.							

* Needs Maintenance

Other Comments: _____

Inspector: _____ **Phone Number:** _____

WHITE – Recipient **BLUE** – Inspector **GREEN** – Public Works **GOLD** – Engineering

Storm Water Inspection Violations 2008-2009

Project	Date	Erosion/Sediment Ctrl C	Notice to Comply	Stop Work Order	Notice of Violation	Cleanup and Abatement	
Croftwood Access Road/1-3							
Croftwood Access Road/1-3	05/19/2009	1					
Croftwood Access Road/1-3	04/13/2009	1					
Croftwood Access Road/1-3	03/20/2009	1					
Croftwood Access Road/1-3	02/25/2009	1					
Croftwood Access Road/1-3	02/12/2009	1					
Croftwood Access Road/1-3	01/09/2009	1					
Financial Pacific	05/21/2009	1					
Financial Pacific	04/10/2009	1					
Financial Pacific	03/20/2009	1					
Financial Pacific	03/13/2009	1					
Financial Pacific	02/12/2009	1					
Financial Pacific	02/04/2009	1					
Financial Pacific	01/16/2009	1					
Granite Creek Stockpile #1	03/05/2009		1				
Granite Creek Stockpile #1	02/27/2009		1				
Granite Creek Stockpile #1	02/18/2009		1				
Granite Creek Stockpile #1	12/23/2008	1					
Granite Creek Stockpile #1	12/19/2008	1					
Granite Creek Stockpile #1	12/12/2008	1					
Granite Creek Stockpile #1	12/05/2008	1					
Granite Creek Stockpile #1	11/20/2008		1				
Granite Creek Stockpile #1	11/20/2008	1					
Granite Creek Stockpile #1	11/07/2008	1					
Granite Creek Stockpile #1	10/27/2008	1					
Granite Creek Stockpile #2	03/05/2009	1					
Granite Creek Stockpile #2	02/27/2009	1					
Granite Creek Stockpile #2	02/18/2009	1					
Granite Creek Stockpile #2	02/06/2009	1					
Granite Creek Stockpile #2	01/22/2009	1					
Granite Creek Stockpile #2	01/15/2009	1					
Granite Creek Stockpile #2	01/09/2009	1					
Granite Creek Stockpile #2	12/23/2008	1					
Granite Creek Stockpile #2	12/12/2008	1					
Granite Creek Stockpile #2	11/20/2008	1					
Granite Lakes Monument Spring	03/20/2009	1					
Granite Lakes Monument Spring	02/25/2009	1					
Granite Lakes Monument Spring	02/06/2009	1					
Granite Lakes Monument Spring	01/30/2009	1					
Granite Lakes Monument Spring	01/23/2009	1					

Storm Water Inspection Violations 2008-2009

Project	Date	Erosion/Sediment Ctrl C	Notice to Comply	Stop Work Order	Notice of Violation	Cleanup and Abatement	
Granite Lakes Monument Spring	01/12/2008	1					
Granite Lakes Monument Spring	01/07/2009	1					
Granite Lakes Monument Spring	12/19/2008	1					
Granite Lakes Monument Spring	12/12/2008	1					
Granite Lakes Monument Spring	12/05/2008	1					
Granite Lakes Monument Spring	11/21/2008	1					
Granite Lakes Monument Spring	11/20/2008	1					
Granite Lakes Monument Spring	11/06/2008	1					
Granite Lakes Monument Spring	09/30/2008	1					
Granite Lakes Monument Spring	08/25/2008	1					
Granite Lakes Monument Spring	07/21/2008	1					
Jack In The Box	12/12/2008	1					
Jack In The Box	12/05/2008	1					
Kobra Crossroads	03/05/2009	1					
Kobra Crossroads	02/25/2009	1					
Kobra Crossroads	11/07/2008	1					
Kobra Crossroads	10/30/2008	1					
Kobra Crossroads	10/03/2008		1				
Mammoth (Lonetree)	12/17/2008	1					
Mammoth (Lonetree)	12/12/2008	1					
Mammoth (Lonetree)	11/21/2008	1					
Mammoth (Lonetree)	11/07/2008	1					
Mammoth (Lonetree)	10/31/2008	1					
Mercedes Phase II	02/06/2009	1					
Mercedes Phase II	01/09/2009	1					
Mercedes Phase II	12/19/2008	1					
Mercedes Phase II	12/12/2008	1					
Mercedes Phase II	12/05/2008	1					
Mercedes Phase II	11/20/2008	1					
Mercedes Phase II	11/07/2008	1					
Mercedes Phase II	10/29/2008	1					
Pacific Tech Park	05/14/2009	1					
Pacific Tech Park	04/17/2009	1					
Pacific Tech Park	04/03/2009	1					
Pacific Tech Park	03/20/2009	1					
Pacific Tech Park	03/13/2009	1					
Pacific Tech Park	03/05/2009	1					
Pacific Tech Park	02/27/2009	1					
Pacific Tech Park	02/19/2009	1					
Pacific Tech Park	02/12/2009	1					

Storm Water Inspection Violations 2008-2009

Project	Date	Erosion/Sediment Ctrl C	Notice to Comply	Stop Work Order	Notice of Violation	Cleanup and Abatement	
Pacific Tech Park	02/06/2009	1					
Pacific Tech Park	01/30/2009	1					
Pacific Tech Park	01/23/2009	1					
Pacific Tech Park	01/16/2009	1					
Pacific Tech Park	01/09/2009	1					
Pacific Tech Park	12/23/2008	1					
Pacific Tech Park	12/19/2008	1					
Pacific Tech Park	12/12/2008	1					
Pacific Tech Park	12/05/2008	1					
Pacific Tech Park	11/07/2008	1					
Pacific Tech Park	10/30/2008	1					
Pacific Tech Park	10/24/2008	1					
Pacific Tech Park	10/03/2008	1					
RUSD Food & Maintenance	05/19/2009	1					
RUSD Food & Maintenance	04/14/2009	1					
RUSD Food & Maintenance	04/03/2009	1					
RUSD Food & Maintenance	03/20/2009	1					
RUSD Food & Maintenance	03/13/2009	1					
RUSD Food & Maintenance	03/05/2009	1					
RUSD Food & Maintenance	02/27/2009	1					
RUSD Food & Maintenance	02/18/2009	1					
RUSD Food & Maintenance	02/12/2009	1					
RUSD Food & Maintenance	02/06/2009	1					
RUSD Food & Maintenance	01/30/2009	1					
RUSD Food & Maintenance	01/23/2009	1					
RUSD Food & Maintenance	01/16/2009	1					
RUSD Food & Maintenance	01/09/2009	1					
RUSD Food & Maintenance	12/23/2008	1					
RUSD Food & Maintenance	12/12/2008	1					
RUSD Food & Maintenance	12/05/2008	1					
RUSD Food & Maintenance	11/20/2008	1					
RUSD Food & Maintenance	11/07/2008	1					
RUSD Food & Maintenance	10/31/2008	1					
RUSD Food & Maintenance	10/24/2008	1					
Stanford Ranch Lot 56	01/16/2009	1					
Stanford Ranch Lot 56	12/12/2008	1					
Staybridge Suites	12/12/2008	1					
Staybridge Suites	12/05/2008	1					
Staybridge Suites	11/21/2008	1					
Staybridge Suites	11/07/2008	1					

Storm Water Inspection Violations 2008-2009

Project	Date	Erosion/Sediment Ctrl C	Notice to Comply	Stop Work Order	Notice of Violation	Cleanup and Abatement	
Staybridge Suites	10/29/2008	1					
Sunset West Lot 1	03/20/2009	1					
Sunset West Lot 1	03/13/2009	1					
Sunset West Lot 1	02/04/2009	1					
Sunset West Lot 1	04/09/2009	1					
Sunset West Lot 1	02/20/2009	1					
Sunset West Lot 1	02/12/2009	1					
Sunset West Lot 1	01/25/2009	1					
Sunset West Lot 1	01/13/2009	1					
Sunset West Lot 1	11/21/2008	1					
Sunset West Lot 1	11/06/2008	1					
Sunset West Lot 1	10/24/2008	1					
Sunset West Lot 1	09/30/2008	1					
Sunset West Lot 1	08/25/2008	1					
Sunset West Lot 1	07/21/2008	1					
Umpqua Bank	03/05/2009	1					
Umpqua Bank	02/27/2009	1					
Umpqua Bank	02/12/2009	1					
Umpqua Bank	02/06/2009	1					
Umpqua Bank	01/30/2009	1					
Umpqua Bank	01/23/2009	1					
Umpqua Bank	01/16/2009	1					
Umpqua Bank	01/07/2009	1					
Umpqua Bank	12/19/2008	1					
Umpqua Bank	12/12/2008	1					
Umpqua Bank	12/05/2008	1					
Umpqua Bank	11/20/2008	1					
Umpqua Bank	11/07/2008	1					
Umpqua Bank	10/28/2008	1					
Umpqua Bank	10/24/2008	1					
Whitney Ranch Apts	05/29/2009	1					
Whitney Ranch Village 11	11/21/2008	1					
Whitney Ranch Village 11	11/06/2008	1					
Whitney Ranch Village 11	10/24/2008	1					
Whitney Ranch Village 11	09/30/2008	1					
Whitney Ranch Village 11	08/25/2008	1					
Whitney Ranch Village 11	07/21/2008	1					
Whitney Ranch Village 12	05/29/2009	1					
Whitney Ranch Village 12	04/10/2009	1					
Whitney Ranch Village 12	03/13/2009	1					

Storm Water Inspection Violations 2008-2009

Project	Date	Erosion/Sediment Ctrl C	Notice to Comply	Stop Work Order	Notice of Violation	Cleanup and Abatement	
Whitney Ranch Village 12	02/06/2009	1					
Whitney Ranch Village 12	01/23/2009	1					
Whitney Ranch Village 12	01/09/2009	1					
Whitney Ranch Village 12	11/21/2008	1					
Whitney Ranch Village 12	11/06/2008	1					
Whitney Ranch Village 12	10/24/2008	1					
Whitney Ranch Village 12	09/30/2008	1					
Whitney Ranch Village 12	08/25/2008	1					
Whitney Ranch Village 12	07/21/2008	1					
Whitney Ranch Village 11&12	02/18/2009	1					
Whitney Ranch Village 13A&B	05/29/2009	1					
Whitney Ranch Village 13A&B	03/13/2009	1					
Whitney Ranch Village 13A&B	02/18/2009	1					
Whitney Ranch Village 13A&B	02/06/2009	1					
Whitney Ranch Village 13A	01/09/2008	1					
Whitney Ranch Village 13A	11/21/2008	1					
Whitney Ranch Village 13A	11/06/2008	1					
Whitney Ranch Village 13A	10/24/2008	1					
Whitney Ranch Village 13A	09/30/2008	1					
Whitney Ranch Village 13A	08/25/2008	1					
Whitney Ranch Village 13A	07/21/2008	1					
Whitney Ranch Village 13B	01/09/2009	1					
Whitney Ranch Village 13B	11/21/2008	1					
Whitney Ranch Village 13B	11/06/2008	1					
Whitney Ranch Village 13B	10/24/2008	1					
Whitney Ranch Village 13B	09/30/2008	1					
Whitney Ranch Village 13B	08/25/2008	1					
Whitney Ranch Village 13B	07/21/2008	1					
Whitney Ranch Village 16	05/29/2009	1					
Whitney Ranch Village 16	03/13/2009	1					
Whitney Ranch Village 16	02/18/2009	1					
Whitney Ranch Village 16	11/21/2008	1					
Whitney Ranch Village 16	11/06/2008	1					
Whitney Ranch Village 16	10/24/2008	1					
Whitney Ranch Village 16	09/30/2008	1					
Whitney Ranch Village 16	08/25/2008	1					
Whitney Ranch Village 16	07/21/2008	1					
Whitney Ranch Village 20	01/09/2009	1					
Whitney Ranch Village 20	11/21/2008	1					
Whitney Ranch Village 20	11/06/2008	1					

Storm Water Inspection Violations 2008-2009

Project	Date	Erosion/Sediment Ctrl C	Notice to Comply	Stop Work Order	Notice of Violation	Cleanup and Abatement	
Whitney Ranch Village 20	10/24/2008	1					
Whitney Ranch Village 20	09/30/2008	1					
Whitney Ranch Village 20	08/25/2008	1					
Whitney Ranch Village 20	07/21/2008	1					
Whitney Ranch Village 23	01/09/2009	1					
Whitney Ranch Village 23	11/21/2008	1					
Whitney Ranch Village 23	11/06/2008	1					
Whitney Ranch Village 23	10/24/2008	1					
Whitney Ranch Village 23	09/30/2008	1					
Whitney Ranch Village 23	08/25/2008	1					
Whitney Ranch Village 23	07/21/2008	1					
Whitney Ranch Village 25	02/06/2009	1					
Whitney Ranch Village 25	01/09/2009	1					
Whitney Ranch Village 25	11/21/2008	1					
Whitney Ranch Village 25	11/06/2008	1					
Whitney Ranch Village 25	10/24/2008	1					
Whitney Ranch Village 25	09/30/2008	1					
Whitney Ranch Village 25	08/25/2008	1					
Whitney Ranch Village 25	07/21/2008	1					
Whitney Ranch Village 26	01/09/2009	1					
Whitney Ranch Village 26	11/21/2008	1					
Whitney Ranch Village 26	11/06/2008	1					
Whitney Ranch Village 26	10/24/2008	1					
Whitney Ranch Village 26	09/30/2008	1					
Whitney Ranch Village 26	08/25/2008	1					
Whitney Ranch Village 26	07/21/2008	1					
Whitney Ranch Village 27&28	05/29/2009	2					
Whitney Ranch Village 27&28	03/13/2009	2					
Whitney Ranch Village 27&28	02/20/2009	2					
Whitney Ranch Village 27&28	02/06/2009	2					
Whitney Ranch Village 27	01/23/2009	1					
Whitney Ranch Village 27	01/12/2009	1					
Whitney Ranch Village 27	11/21/2008	1					
Whitney Ranch Village 27	11/06/2008	1					
Whitney Ranch Village 27	10/24/2008	1					
Whitney Ranch Village 27	09/30/2008	1					
Whitney Ranch Village 27	08/25/2008	1					
Whitney Ranch Village 27	07/21/2008	1					
Whitney Ranch Village 28	11/21/2008	1					
Whitney Ranch Village 28	01/12/2009	1					

Storm Water Inspection Violations 2008-2009

Project	Date	Erosion/Sediment Ctrl C	Notice to Comply	Stop Work Order	Notice of Violation	Cleanup and Abatement		
Whitney Ranch Village 28	01/23/2009	1						
Whitney Ranch Village 28	11/06/2008	1						
Whitney Ranch Village 28	10/24/2008	1						
Whitney Ranch Village 28	09/30/2008	1						
Whitney Ranch Village 28	08/25/2008	1						
Whitney Ranch Village 28	07/21/2008	1						
William Jessup University	05/19/2009	1						
William Jessup University	02/12/2009	1						
William Jessup University	02/04/2009	1						
William Jessup University	12/05/2008	1						
William Jessup University	12/23/2008	1						
William Jessup University	10/31/2008	1						
Totals		250	5	0	0	0	255	**Grand Total**

MITIGATION MONITORING DISCUSSION (APPENDIX 5-1)

The City Community Development Division has developed conditions that address water quality, open space preservation, and tree canopy protection. Minimum control measures such as construction site activities, post construction storm water management, and illicit discharge detection & elimination are incorporated into project conditions. These project conditions are usually project specific and are reviewed by representatives from each department in the City. Once the conditions are approved by the Planning Commission and City Council, the conditions are forwarded to the City staff responsible for approval of project plans and project inspection/mitigation monitoring. An excerpt from a set of project conditions is italicized below. These particular conditions involve open space maintenance by the City and private homeowners association (HOA). The project "Granite Lakes Estates" is located upstream from a salmon spawning habitat on Secret Ravine Creek.

Water Quality and Sediment Monitoring and Remediation

The Homeowners Association shall contract with a qualified professional to conduct annual water quality testing at the detention basin, pond, and at locations upstream and downstream of the project site to ensure consistency with standards set by the RWQCB, to the satisfaction of the Public Works Director, and to further ensure that water coming into Secret Ravine Creek from the project site will result in no net adverse change in water quality in Secret Ravine Creek. Costs associated with the water quality testing shall be funded by the Homeowners Association. The Covenants, Conditions, and Restrictions (CC&R's) for the project shall:

1) Provide for the collection of an assessment from property owners sufficient to fund this testing in perpetuity,

2) Require the Homeowners Association to furnish annual reports of the water quality tests to the City's Public Works Director,

3) Expressly include an obligation that water coming into Secret Ravine Creek from the project site will not, by itself, result in any net adverse change in water quality in Secret Ravine Creek, and

4) Provide the City with the legal right to seek an injunction against the Homeowners Association in the event that the water quality tests are not performed or the 'no net adverse change in water quality standard' is not satisfied.

5) Provide the City with the legal right to enter Homeowners Association owned property for the purpose of water quality testing by the City.

6) Provide that the City may, at its option, cause the required water quality and sediment testing/monitoring to be performed and assess (lien) the Homeowner's Association for all costs associated with these activities in the event that the testing/monitoring is not being completed in accordance with the conditions of approval and mitigation monitoring plan for the project.

7) In addition to the water quality testing described above, information regarding the depth to sediment in

detention facilities and the onsite pond shall be provided every two years or other time frame approved by the Director of Public Works. This requirement will begin the first year that grading construction commences.

8) If it is determined (through consultation with the Director of Public Works) that sediment needs to be removed from the pond and/or detention facilities to ensure adequate stormwater capacity is available, the contractor shall implement appropriate BMPs to protect terrestrial and aquatic resources and water quality to the satisfaction of the Public Works Director. Sediments removed shall be tested for contaminants and disposed of according to laws and regulations in effect at that time. All costs associated with sediment monitoring, removal, and disposal shall be paid by the Homeowner's Association.

City of Rocklin

Planning Division
3970 Rocklin Road
Rocklin, California 95677
Phone (916) 625-5160
FAX (916) 625-5195

Public Works Department
4081 Alvis Court
Rocklin, California 95677
Phone (916) 625-5500
FAX (916) 625-5501

STORMWATER MANAGEMENT PROGRAM

Pre-Application Meeting
Low Impact Development and Stormwater Pre-treatment
Information Sheet

Low Impact Development (LID) is an integrated approach to stormwater management using landscaping, new and traditional structural and mechanical methods, and "natural" features. LID emphasizes the use of small-scale, "natural" drainage features, planted with grasses and plantings, incorporated throughout a project to slow, clean, and infiltrate runoff and precipitation and allow some of the water to be absorbed into the ground before it enters the City's storm drains and creeks. The State of California is aggressively encouraging the use of LID techniques to reduce impacts from storm water run off and considers their incorporation into project design when evaluating and granting **?????** permits. Therefore, all new projects are strongly encouraged to incorporate LID features into the project design as early as possible.

Examples of LID Techniques that could be incorporated into a project include:

☐	Drain downspouts directed into basins and channels in landscape areas
☐	Use of a combination of decorative screening walls and berms to allow LID features to be incorporated into landscaping areas adjacent to a street where screening of vehicles in parking lots is also required.
☐	Depress landscape areas below the finished grade of impervious surfaces with curb cuts to allow for run-off to collect and drain through landscaped areas for pretreatment prior to entering a detention/storm drain system
☐	Use a mix of native and drought tolerant plants in project landscaping to reduce over all project water use
☐	Use of "green" or living roof systems to slow runoff and reduce "heat island" effect of roof tops.
☐	Use of paving stones or other pervious paving materials in parking spaces and other low traffic areas to allow more storm water to percolate into the ground.
☐	

☐	
☐	
☐	

References

More detailed information on the use and incorporation of LID techniques in to project may be found at the following:

- *Sacramento Stormwater Quality Partnership Design Manual* at http://www.sacramentostormwater.org/SSQP/development.asp#Training

- *River-Friendly Landscape Guidelines, Sustainable Practices for the Landscape Professional* at http://www.sacramentostormwater.org/SSQP/Riverfriendly/default.asp

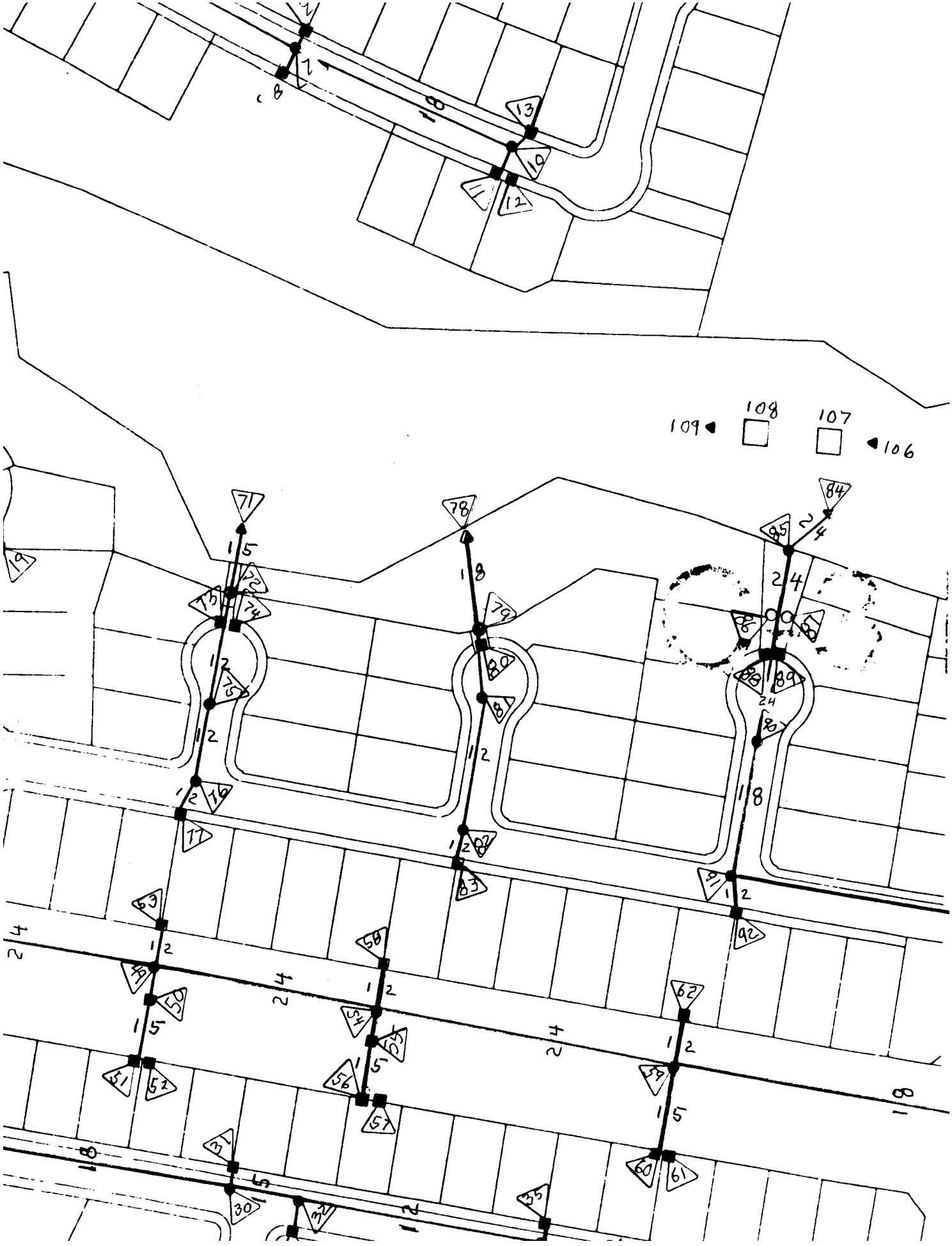
- *Low Impact Development (LID) Practices for Storm Water Management* at http://www.toolbase.org/Home-Building-Topics/Land-Use/low-impact-development

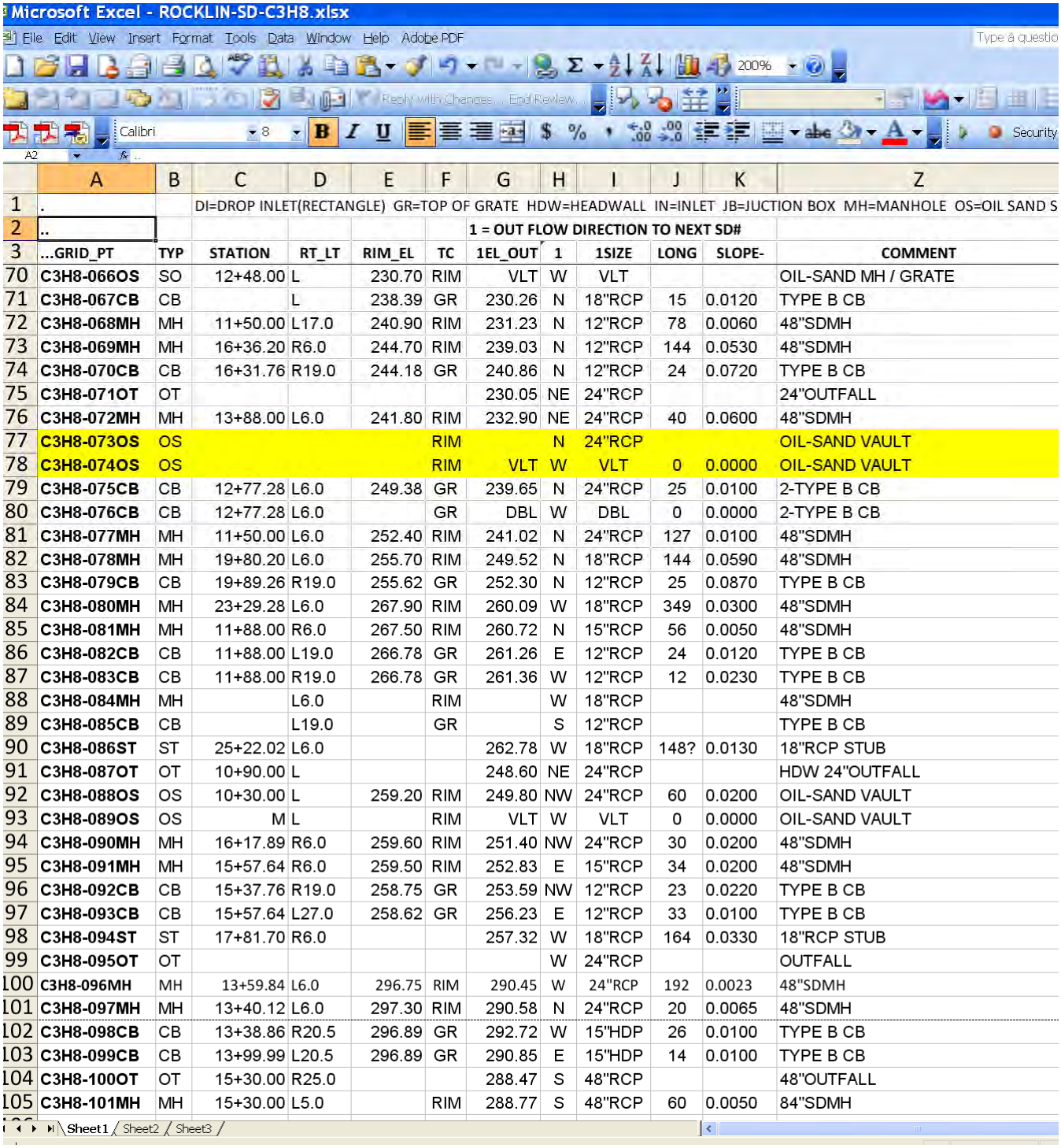
Sand / Oil Trap Inspection

DATE	LOCATION	Yard	TIME	COMMENTS
	Wyckford creek crossing			
	Wyckford creek crossing			
	St. Andrews creek crossing			
	Mountaingate creek crossing			
	Durham Creek crossing			
	End of Stuart Pl.			
	4440 Pebble Beach creek crossing			
	Charter Rd. @ Yale St.			
	End of Stratton Ct.			
	5130 Windham Way			
	End of Augusta Ct.			
	End of Charter Ct.			
	4960 Charter			
	End of Misty Ct.			
	End of Heritage Way			
	5335 Wesley Rd.			
	5349 Wesley Rd.			
	5375 Wesley Rd.			
	End of Wesley Ct.			
	End of Cabrillo Ct.			
	Corner of Cabrillo Way			
	5240 Bay St.			
	Hunter Way @ creek crossing			
	Iroquois Rd. @ Thor Ct.			
	Iroquois Rd. @ Clipper Rd.			
	End of Sioux St.			
	Outlet on Sioux St. @ light # C2758			
	Sioux St. Median			
	Outlet on Sioux St.			

Sand / Oil Trap Inspection

	Outlet on Poppy Cir.			
	Lonetree @ Sandhill creek crossing			
	Meadowlark Ct.			
	Royal Tern Ct.			
	Goldeneye Ct.			
	Osprey			
	Merganser Ct.			
	Lonetree @ Redwood Dr.			
	6308 Surfbird Ln.			
	Preston Ct.			
	King Elder			
	Five-Star @ Wal-Mart			
	Sunset Median passed Oracle			
	Blue Oaks @ light pole # 10475			
	Peregrine Ct.			
	Swan Ct.			
	Creekwood @ creek crossing			
	Victory @ Park			
	Blue Oaks @ Lone tree			
	West Oaks			
	Lagoon Ct.			
	El Don Condos			
	Tiffany Courts			
	2719 Genesee Dr.			
	Corp Yard C by shop door			
	Park & Sunset behind Safeway private property)			
	Corp Yard A			
	Corp Yard B			
DATE	**LOCATION**	**Yard**	**TIME**	**COMMENTS**
	Johnson springveiw park (basketball courts)			


109
108
107
106



	A	B	C	D	E	F	G	H	I	J	K	Z
1	.		DI=DROP INLET(RECTANGLE) GR=TOP OF GRATE HDW=HEADWALL IN=INLET JB=JUCTION BOX MH=MANHOLE OS=OIL SAND S									
2	..						1 = OUT FLOW DIRECTION TO NEXT SD#					
3	...GRID_PT	TYP	STATION	RT_LT	RIM_EL	TC	1EL_OUT	1	1SIZE	LONG	SLOPE-	COMMENT
70	C3H8-066OS	SO	12+48.00	L	230.70	RIM	VLT	W	VLT			OIL-SAND MH / GRATE
71	C3H8-067CB	CB		L	238.39	GR	230.26	N	18"RCP	15	0.0120	TYPE B CB
72	C3H8-068MH	MH	11+50.00	L17.0	240.90	RIM	231.23	N	12"RCP	78	0.0060	48"SDMH
73	C3H8-069MH	MH	16+36.20	R6.0	244.70	RIM	239.03	N	12"RCP	144	0.0530	48"SDMH
74	C3H8-070CB	CB	16+31.76	R19.0	244.18	GR	240.86	N	12"RCP	24	0.0720	TYPE B CB
75	C3H8-071OT	OT					230.05	NE	24"RCP			24"OUTFALL
76	C3H8-072MH	MH	13+88.00	L6.0	241.80	RIM	232.90	NE	24"RCP	40	0.0600	48"SDMH
77	C3H8-073OS	OS				RIM		N	24"RCP			OIL-SAND VAULT
78	C3H8-074OS	OS				RIM	VLT	W	VLT	0	0.0000	OIL-SAND VAULT
79	C3H8-075CB	CB	12+77.28	L6.0	249.38	GR	239.65	N	24"RCP	25	0.0100	2-TYPE B CB
80	C3H8-076CB	CB	12+77.28	L6.0		GR	DBL	W	DBL	0	0.0000	2-TYPE B CB
81	C3H8-077MH	MH	11+50.00	L6.0	252.40	RIM	241.02	N	24"RCP	127	0.0100	48"SDMH
82	C3H8-078MH	MH	19+80.20	L6.0	255.70	RIM	249.52	N	18"RCP	144	0.0590	48"SDMH
83	C3H8-079CB	CB	19+89.26	R19.0	255.62	GR	252.30	N	12"RCP	25	0.0870	TYPE B CB
84	C3H8-080MH	MH	23+29.28	L6.0	267.90	RIM	260.09	W	18"RCP	349	0.0300	48"SDMH
85	C3H8-081MH	MH	11+88.00	R6.0	267.50	RIM	260.72	N	15"RCP	56	0.0050	48"SDMH
86	C3H8-082CB	CB	11+88.00	L19.0	266.78	GR	261.26	E	12"RCP	24	0.0120	TYPE B CB
87	C3H8-083CB	CB	11+88.00	R19.0	266.78	GR	261.36	W	12"RCP	12	0.0230	TYPE B CB
88	C3H8-084MH	MH		L6.0		RIM		W	18"RCP			48"SDMH
89	C3H8-085CB	CB		L19.0		GR		S	12"RCP			TYPE B CB
90	C3H8-086ST	ST	25+22.02	L6.0			262.78	W	18"RCP	148?	0.0130	18"RCP STUB
91	C3H8-087OT	OT	10+90.00	L			248.60	NE	24"RCP			HDW 24"OUTFALL
92	C3H8-088OS	OS	10+30.00	L	259.20	RIM	249.80	NW	24"RCP	60	0.0200	OIL-SAND VAULT
93	C3H8-089OS	OS	M	L		RIM	VLT	W	VLT	0	0.0000	OIL-SAND VAULT
94	C3H8-090MH	MH	16+17.89	R6.0	259.60	RIM	251.40	NW	24"RCP	30	0.0200	48"SDMH
95	C3H8-091MH	MH	15+57.64	R6.0	259.50	RIM	252.83	E	15"RCP	34	0.0200	48"SDMH
96	C3H8-092CB	CB	15+37.76	R19.0	258.75	GR	253.59	NW	12"RCP	23	0.0220	TYPE B CB
97	C3H8-093CB	CB	15+57.64	L27.0	258.62	GR	256.23	E	12"RCP	33	0.0100	TYPE B CB
98	C3H8-094ST	ST	17+81.70	R6.0			257.32	W	18"RCP	164	0.0330	18"RCP STUB
99	C3H8-095OT	OT						W	24"RCP			OUTFALL
100	C3H8-096MH	MH	13+59.84	L6.0	296.75	RIM	290.45	W	24"RCP	192	0.0023	48"SDMH
101	C3H8-097MH	MH	13+40.12	L6.0	297.30	RIM	290.58	N	24"RCP	20	0.0065	48"SDMH
102	C3H8-098CB	CB	13+38.86	R20.5	296.89	GR	292.72	W	15"HDP	26	0.0100	TYPE B CB
103	C3H8-099CB	CB	13+99.99	L20.5	296.89	GR	290.85	E	15"HDP	14	0.0100	TYPE B CB
104	C3H8-100OT	OT	15+30.00	R25.0			288.47	S	48"RCP			48"OUTFALL
105	C3H8-101MH	MH	15+30.00	L5.0		RIM	288.77	S	48"RCP	60	0.0050	84"SDMH

City of Rocklin
Illicit Discharge & Detection Program

Field Data Sheet
Date: _____
Time: _____AM/PM

General Information

Location: _____ Location ID #: _____ Sheet #: _____
First Visit? Y / N Date of last visit: _____ Weeks since last rain (≥ 0.1"): <1 2 >3
Inspection Team: _____

Field Description

☐ Open Channel ☐ Manhole ☐ Outfall ☐ Other: _____
Dominant Watershed Land Uses: ☐ Industrial ☐ Commercial ☐ Residential ☐ Unknown
☐ Other: (List if known) _____

Flow Estimation

Flow Observed: ☐ Yes ☐ No Approximate Pipe Diameter: _____
Width of water surface: (1) _____ feet
Approximate depth of water: _____ inches Divide by 12 to get feet: (2) _____ feet
Approximate flow velocity: (3a) _____ feet in (3b) _____ seconds, OR feet per second (3a/3b): _____ ft/s.
FLOW RATE: (cubic feet per second) = (1) X (2) X (3a/3b) = _____ cfs.

Observations

Photo Taken: ☐ No ☐ Yes : Roll/Photo number: _____
Odor: ☐ None ☐ Musty ☐ Ammonia ☐ Sewage ☐ Rotten Eggs ☐ Sour Milk Other: _____
Color: ☐ Clear ☐ Red ☐ Yellow ☐ Brown ☐ Green ☐ Grey Other: _____
Clarity: ☐ Clear ☐ Cloudy ☐ Opaque ☐ Suspended Solids
Floatables: ☐ None ☐ Oily Sheen ☐ Garbage/Sewage Other: _____
Deposits/Stains: ☐ None ☐ Sediments ☐ Oily Other: _____
Vegetation Condition: ☐ None ☐ Normal ☐ Excessive Growth ☐ Inhibited Growth
Structural Condition: ☐ Normal ☐ Concrete Cracking/Spauling ☐ Metal Corrosion Other: _____
Biological: ☐ Mosquito Larvae ☐ Bacteria/Algae Other: _____

Field Analyses

DO: _____ mg/l Chlorine (free): _____ mg/l Cyanide: _____ mg/l
Water Temp: _____degrees C Chlorine (total): _____ mg/l Glycol: _____ mg/l
pH _____ Chromium (hex): _____ mg/l Phenol: _____ mg/l
Ammonia: _____ mg/l Copper: _____ mg/l
Laboratory Sample Collected: ☐ Yes ☐ No
If yes, attach copy of chain-of-custody record. Note laboratory sample ID numbers and sample descriptions:
_____
Comments: _____
_____

Data Sheet filled out by: _____ _____
(Print Name) (Signature)

Household Waste & Recycling

Common household products that contain hazardous materials pose a safety problem when used or disposed of incorrectly. It's important to follow a product's instructions for safe use. Improper handling of hazardous products may cause extreme danger to you, your family, your property, public workers, wildlife and the environment.

Products classified as "hazardous" have become so commonplace in most homes that many times we don't realize they can be dangerous to use and/or dispose of. Read the product's label. Key words like DANGER, CAUTION, WARNING, FLAMMABLE, or POISON indicate the product is potentially hazardous and requires special attention.

Tips for buying, storing, using and disposing of household chemical products:

Buying

- Read directions and all health warnings, i.e., if you have pets, make sure that product is safe to use around animals.
- Try to find the least hazardous product.
- Purchase child-resistant substances and packaging and buy only what you need.
- Try to find the least hazardous products.

Storing

- Store products tightly in original containers so you can easily identify the contents and refer back to the labeled directions for proper usage if needed.
- Regularly check containers for wear and tear and possible leakage.
- Store materials in a cool, dark place.
- Separate incompatible products.
- Limit the amount of chemicals stored and eliminate unused or unneeded supplies.
- Keep all household chemical products out of sight and reach of children.

Using

- Always read and follow the directions. Some products should not be used in confined spaces, others should not be used without gloves or eye protection to avoid physical contact.
- Use only the amount indicated and avoid splashing.
- Many chemical accidents are the result of trying to improve the way a product works by adding one substance to another. Avoid mixing common household chemical products as some combinations, such as ammonia and bleach, can create toxic gases.
- Take breaks frequently for fresh air and never smoke while using any household chemical.

Did You Know?
You can use **non-hazardous materials** in many cleaning and stain removal tasks.

These products include baking soda, cornstarch, lemon juice, soap & water, steel wool and vinegar - just to name a few. Give them a try!

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Disposing

- There are several ways you can dispose of hazardous household products. Options include using the entire supply, recycling unused portions, taking unused supplies to a household collection event or donating unused supplies to a local group or organization that may have a need for them.
- For more information on Household Hazardous Waste disposal, contact the **Western Placer Waste Management Authority** Permanent HHW Facility at 916.645.5230, extension 4 or visit their website at **www.wpwma.com**.

Report Illegal Dumping

Our inspectors and maintenance crews are on the look-out for possible illegal dumping into the city storm drain system. Click here to **report an incident of illegal dumping** into a storm drain or call the Department of Public Works at 916.625.5500.

Pool Water

Need to drain your pool?
If you have a swimming pool, fountain or spa, you can help be a part of Rocklin's Pollution Solution by properly discharging the water.

Improper disposal of pool water into a storm drain is harmful to the environment because it enters the storm drain system untreated. Pool water may contain chlorine, copper and filter backwash that can harm local creeks, ponds and streams and the wildlife that live there.

Following are some dos and don'ts for proper pool water discharge.

DO:

- Dechlorinate your pool water prior to discharge to the storm drain by adding a chemical dechlorinator (available from pool supply stores) or by letting the chlorine decrease on its own. If possible, let the water filter over a grassy area on it's way to the storm drain.
- Discharge pool water to the storm drain only if you know it doesn't contain harmful concentrations of chlorine and copper. A pool maintenance company or local analytical laboratory can help you determine the concentration of chlorine and copper in your pool.

- Maintain the proper chemical balance and filtration in your pool. This will minimize the need to drain the pool and prevent unnecessary corrosion of copper pipes and equipment.
- Use copper algaecides only when necessary, such as when less toxic algae control products are ineffective.
- Dispose of wastewater from washing cartridge filters in a dirt area.
- Make sure your pool maintenance service follows all discharge requirements.

DON'T:

- Discharge pool or spa water to the sanitary sewer system.

- Discharge swimming pool water containing chlorine at levels higher than 0.01 parts per million (ppm) to the storm drain. Chlorine levels higher than 0.01 ppm are harmful to aquatic organisms. The typical chlorine level maintained in a swimming pool is 2 – 4 ppm.

- Discharge pool water containing copper to the storm drain. Copper in your pool can come from some algae control products and copper plumbing and equipment, particularly heaters. Typical recommended dosages for copper algaecides are about 100 times higher than other concentrations that are toxic to many aquatic organisms.

Keep in mind that many pool chemicals are hazardous waste when discarded. Contact **Western Placer Waste Management Authority** at 916.645.5230 for more information on how to dispose of these chemicals properly.

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Recycling

Convenient Drop-Off Locations

Recycling centers are conveniently located in Rocklin where you can recycle CRV cans, bottles & glass, PETE plastic, cardboard and newspapers. View a list of these and other drop-off sites at the national website, or call 1-800-RECYCLE.

- www.**BottlesandCans**.com

Goodwill Industries (a certified e-waste collector) accepts computer monitors and TVs in any condition. Find out more information about their convenient drop-off locations at the Goodwill Industries local website.

Put Recyclables in Your Trash OR Bring Recyclables to the WPWMA

The Western Placer Waste Management Authority (WPWMA) is a regional agency that provides recycling and waste disposal services for Lincoln, Rocklin, Roseville and Placer County.

The Material Recovery Facility (MRF), pronounced 'murf', is a key element of the WPWMA's programs to help Placer County meet the state's 50% waste reduction goal. This recycling facility is where all refuse from Western Placer County is sorted to recover recyclable materials.

- **Recyclin' Rocklin Style - No Sorting, No Problem!**

In Rocklin, trash is sorted at the MRF and everything that can be recycled is sorted and processed automatically. In effect, if you put recyclables in your trash, you will be recycling without having to sort anything, since this is done for you at the MRF.

MRF accepts:

- CRV beverage containers (aluminum cans, plastic, glass)
- Newspaper
- Corrugated cardboard
- Mixed paper (junk mail, magazines, phone books, etc.)
- Grass clippings, leaves
- Wood, plywood, particle board
- Tires
- Appliances (refrigerators, microwaves, etc.)
- Electronic waste (computers, monitors, TVs, phones, radios, etc.)
- Household hazardous waste (oil, paint, batteries)
- Dirt, rock, asphalt, concrete
- Scrap metal
- Construction/Demolition waste
- Medical needles (sharps)

The WPWMA Landfill and Materials Recovery Facility is located at 3195 Athens Avenue near the corner of Fiddyment Road between Roseville and Lincoln. Visit their website at www.wpwma.com for more information & hours of operation. Learn more about the Materials Recovery Facility at www.onebigbin.com.

Battery Recycling Locations in Rocklin
The following locations offer "battery tubes" in which to drop off dead batteries for recylcing.

Save Mart (3021 Stanford Ranch Rd.)
Bel Air (2341 Sunset Blvd.)
RC Willey (6636 Lonetree Blvd.)
Walgreens (2177 Sunset Blvd.)
Longs (3251 Stanford Ranch Rd. and 4785 Granite Drive)
K-Mart (5615 Pacific St.)
Radio Shack (4791 Granite Dr.)
City of Rocklin Administration Building (3970 Rocklin Rd., 2nd floor)
City of Rocklin Sunset Center (2650 Sunset Blvd.)

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Christmas Tree Safety & Disposal
The best way to dispose of your tree is by taking it to a recycling center or having it hauled away by a community pick-up service. The City of Rocklin offers convenient drop-off locations; see the **Christmas Tree Safety & Disposal** page for dates and locations.

City of Rocklin - Leaf Burning Policy
Residential burning is **not** allowed in the city limits of Rocklin. Within the unincorporated area of Placer County burning may be allowed with restriction. Please contact the Fire Department for further details at 916.625.5300 or by email at Access Rocklin.

Pollution Prevention
Stormwater pollution prevention is everyone's responsibility, including contractors, residents and merchants in the food service industry. Make sure that you are doing your part.

- **Pollution Prevention** For Contractors | For Food Service | For Residents
- Information on Household Waste & Recycling | Pet Waste | Pool Water

DRAFT

CITY OF ROCKLIN

Parks & Facilities

Prepared by:

Rick Forstall - City of Rocklin

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I. MISSION STATEMENT

It is the mission of the City of Rocklin IPM Program to promote environmentally sensitive pest management while preserving assets and protecting the health and safety of the public and our employees. All costs and impacts associated with pesticide use, including community and environmental health will be considered. The following IPM Strategy describes the City of Rocklin's goals and demonstrates how the City will achieve these goals.

II. PURPOSE

The purpose of this IPM Program is to ensure that the City of Rocklin:

1. Promotes the use of Integrated Pest Management in the decision-making process of selecting environmentally acceptable, effective and efficient pest control methods for each pest/site situation.

2. Promotes applications of pesticides in a manner that protects and enhances our regions natural resources and public health.

3. Practices a consistent standard of environmental stewardship in departments managing bike trails, landscape areas, parks and facilities (i.e.: office space, pre-schools and Kids Junctions).

4. Establishes clear criteria for pesticide use, to reduce the amount and toxicity of pesticides used on City of Rocklin parks and facilities.

5. Establishes a process where pesticides categorized as most toxic (Level 1) are only used when there is a threat to public health, safety or the environment, or when use is warranted to prevent economic damage and only after other alternatives have been implemented and shown ineffective or considered and found infeasible.

6. When using pesticide tools in its IPM Program, will do so as a model of environmental stewardship in the eyes of the public.

7. Maintains a leadership role in developing both ecologically sensitive and aesthetically pleasing landscapes and structures.

This IPM Program also provides for a re-evaluation of pesticide use and will allow employees involved in pesticides use to make conscious decisions about the control mechanism selected, to employ the use of pesticides wisely, and to ensure the up most consideration towards preserving natural resources and the environment. All Parks & Facilities personnel responsible for overseeing construction projects, managing City-owned structures, grounds, landscapes, and purchasing and/or using pesticides are

affected. In addition, all Parks & Facilities contractors that are applying pesticides on the City's behalf will be required to subscribe to the IPM Program.
It is the intent of this IPM Program for the City of Rocklin to adopt, properly implement and practice low-risk and least hazardous Integrated Pest Management with the goal of immediately minimizing the risk of pesticide exposure to staff, the environment, and the public.

III. DEFINITIONS

Contract -
A binding written agreement requiring the services of an outside provider for grounds maintenance or any pest control related services or services that may include pest control activities.

Contractor -
A person, firm, corporation, or other entity, including a governmental entity that enters into a contract with the City of Rocklin Parks & Facilities Divisions.

DPR - –
California Department of Pesticide Regulations is responsible for registering and regulating pesticide use in California.

Emergency -
A pest outbreak that poses immediate threat to public health or significant economic or environmental damage

EPA -
United States Environmental Protection Agency is responsible for licensing and registering pesticides for use in the United States.

Exemption -
A process by which materials not on the approved list, can temporarily be used, but only after all alternatives have been reviewed, evaluated, and or implemented and only after the IPM Coordinator has authorized the use of the pesticide for a specified purpose. Exemptions may be one-time or programmatic and the decision to approve an exemption will be based upon an evaluation of the failure or success of alternatives, and taking into consideration public health, environmental and financial risks.

Green Zone -
A site or area within a site so designated as "Green Zone" by specific departments in order to further reduce pesticide use in areas of higher public exposure or areas with high environmental sensitivity. If deemed necessary for the protection of public assets, public safety and the environment only EPA exempt pesticides will be used in these zones. These pesticides are of the lowest toxicity rating (Category 3 or 4) and/or are exempt from federal or state pesticide registration and regulations.

Hazardous Material -
A chemical or mixture that may pose a physical hazard, health hazard, or environmental hazard and that is regulated under the law to control its harmful effects. This definition is not intended to be rigid or legalistic because all materials regulated in this manner merit special attention and consideration under this program.

IPM Consultant -
An independent Licensed Pest Control Advisor and Certified Arborist trained in the principles of Integrated Pest Management (IPM) for pests of landscape, parks, rights-of-way, trees and native environments. This individual will provide advice to the IPM Coordinator regarding technical aspects of pest management and tree related issues as well as provide written pest control recommendations where required by California law for pesticide applications by the City of Rocklin or its contractors. Another requirement of the IPM Consultant will be to conduct training for City staff and contractors on the most technologically advanced methods in Integrated Pest Management and proper care/health of trees. Additional required training topics shall include Environmental Stewardship, Proper Calibration, and Annual Pesticide Safety Training as required by California law, Proper Tree Pruning methods and hazard tree evaluation.

IPM Coordinator -
The individual designated for those departments that may apply pesticides or contract with pesticide applicators. The City of Rocklin Community Services and Facilities Department will designate a person to coordinate these activities to serve as the primary point of contact. The IPM Coordinator shall be responsible for:

1. Coordinating efforts to adopt IPM technologies
2. Communication with Parks and Facilities staff on the goals and guidelines of the program.
3. Coordinating training programs with staff and contractors.
4. Facilitate meetings with Parks and Facilities staff in promoting the IPM Program City-wide.
5. Tracking all pesticide use and reporting monthly and annually to the county agricultural commissioner.
6. Regularly updating the IPM Program to ensure the most recent IPM practices are being trained and implemented.
7. Coordinating with other public agencies regarding IPM issues and the Parks and Facilities IPM Program.

Integrated Pest Management (IPM) -
A decision-making process for managing pests such as weeds, exotic and invasive species, destructive insects or rodents, tree/turf diseases, that uses monitoring to determine pest levels and tolerance thresholds and combines biological, cultural, physical (mechanical), and chemical tools to minimize health, environmental, and financial risks. The method uses extensive knowledge about pests, such as life histories, infestation thresholds, environmental requirements and natural enemies to compliment and facilitate biological and other natural control of pests. The method uses the least toxic pesticides only as a last resort.

Landscapes -
Grounds that are actively managed such as parks, plantings, lawns, rights-of-way, watersheds, and open space.

LD50 -
A toxicity rating based on the determined lethal dose of 50% of population based on milligrams of a pesticide's active ingredient divided by kilograms of test population body weight.

Pesticide
Any substance or mixture of substances used for regulating plant growth or for preventing, destroying, repelling, or mitigating any pest that may be detrimental to vegetation, humans or animals. Pests may include weeds, rodents, insects and diseases of plants or trees.

Sustainable Design, Construction and Maintenance -
Principle, materials, and techniques that conserve natural resources and improve environmental quality throughout the life cycle or the landscape and its surrounding environment. Sustainable designs for buildings and landscapes incorporate methods that reduce the potential for pest problems for the start and with long-term maintenance needs in mind.

Tiered Levels for Material Lists -
A tired materials list that will designate Levels 1 (Highest Concern), 2 (Moderate Concern) or 3 (Lowest Concern) for distinguishing acceptable products for this IPM Program.

Toxicity Categories -
Under Section 156.10 of Part 156 of Title 40 of the Code of Federal Regulations for all pesticide products that meets US EPA criteria:

EPA Category	I	II	III	IV
Signal Word	DANGER	WARNING	CAUTION	CAUTION
Oral LD50	Less than 50 (mg/kg body wt.)	Between 50 and 500	Between 500 and 5,000	Greater than 5,000
Inhalation LC50	Less than 0.2 (mg/liter air)	Between 0.2 and 2	Between 2 and 20	Greater than 20
Dermal LD50	Less than 200 (mg/kg body wt.)	Between 200 and 2,000	Between 2,000 and 20,000	More than 20,000
Eye Effects	Corrosive Non-reversible opacity	Severe irritation Reversible opacity Persisting 7 days	Moderate Irritation No opacity Reversible 7 days	No irritation
Skin Effects	Corrosive	Severe Irritation	Moderate Irritation	Mild Irritation

IV. Tiered Levels for Materials List

The IPM Coordinator, assisted by the IPM Consultant, will develop a tiered risk assessment of pesticides (See Appendix 1). A prioritized list of materials will be developed to identify materials that may be targeted for future phase-out based on review of the products contents, precautions, need for the product, and adverse health and environmental effects. The IPM Consultant will make product recommendations to the IPM Coordinator and they will establish and prioritize the Tiered Materials List for future materials phase out. A material on the phase-out list may be used if determined appropriate by the IPM Coordinator and the IPM Consultant.

Criteria for developing the Tiered Materials List shall be based on acute and chronic toxicity of products and chemicals known to cause cancer or other severe reactions in humans. Environmental impacts of the products shall also be considered.

Acute toxicity is defined as the potential to cause immediate harm. Chronic toxicity is defined by long lasting harm. All EPA registered pesticides are placed in toxicity categories described above.

Assignments to these categories are based on characteristics of the full product formulation, including acute toxicity, and skin and eye irritation. In evaluating the acute data, EPA assigns the hazard category based on the greatest hazard, i.e. ingestion, inhalation, skin absorption, eye irritation, etc.

Restricted Use Pesticides are pesticides reviewed by EPA or the state and are restricted for use by only certified pesticide applicators operating with a permit issued by the county agricultural commissioner. These Restricted Use Pesticides are not available to the general public because of high toxicity, particularly hazardous ingredients, or environmental hazards.

Tiered Materials List will be classified into levels based on the hazards associated with each material.

Level 1: Highest concern

These materials will be defined as any Category 1 (Danger) product, any restricted use product, products with known, likely, or probable carcinogens as active ingredients or products with known reproductive toxicants as active ingredients. Other products added to this list known to have adverse environmental impacts.

Level 2: Moderate Concern

These materials will be defined as any Category 2 (Warning) product, any product requiring more than long sleeves, protective eye wear and chemical resistant gloves. All

products labeled as highly toxic to birds, aquatic species, bees, or wildlife. All products not listed in Levels 1 or 3.

Level 3: Lowest Concern

These Materials will be defined as all Category 3 (Caution) and Category 4 (Keep out of reach of children). This list will include products that contain no known, likely, or probable carcinogens or reproductive toxicants (CA Prop 65 list). This list of materials will also include all those active ingredients deemed exempt by the EPA. These materials when used according to EPA approved label directions will not be toxic to birds, aquatic species, bees, or wildlife.

The IPM Coordinator and the IPM Consultant will be responsible for first reviewing and approving all new product additions to this Tiered Materials list. This review will be based on toxicity, effects and fate in the environment, safety to humans and wildlife, requirements of application or personal protective equipment.
(See Appendix 1 – Tiered Materials List)

Emergency Exemptions

The IPM Coordinator may apply to the Operations Manager for an emergency exemption in the event than an emergency pest outbreak poses an immediate threat to public health or significant economic damage will result from failure to use a pesticide that has been placed on the phase-out list. The Operations Manager shall respond to the application in a timely manner. If the requesting department is unable to reach the Operations Manager or the Director of Parks, the IPM Coordinator may authorize the one-time emergency use of the required pesticide.

V. Pest Management for Facilities

The City of Rocklin IPM Plan will require that the preferred method of managing pests in City owned and operated Facilities such as Office Space and Youth Services Facilities (i.e., preschools) be effective least toxic pest management practices following IPM guidelines. Integrated Pest Management (IPM) means a pest management strategy that focuses on long-term prevention or suppression of pest problems through a combination of techniques such as monitoring for pest presences and establishing treatment threshold levels, using nonchemical practices to make the habitat less conductive to pest development, improving sanitation, and employing mechanical and physical controls. Pesticides that pose the least toxic risks to people, property and the environment, are used only after careful monitoring indicates they are needed according to preestablished guidelines and treatment thresholds.

Posting will be required for any EPA registered pesticide application 24 hours in advance, and remain in place for 72 hours at all public access locations such as entry doors. Posting will not be required for minimum risk pesticides as listed by EPA as described in the California Healthy Schools Act of 2000.

The Healthy Schools Act of 2000 does not require posting for the use of certain pesticides. The categories for these "exempt" pesticides are listed below:

- Self-contained baits and traps
- Gels or pastes used for crack and crevice applications
- Antimicrobial
- Pesticide products listed as "minimum-risk" pesticides by the U.S EPA

VI. Establishment of "Green Zones"

"Green Zone" sites or areas within a site will be established by the IPM Coordinator and will include all sites such as:

- Pre-school and day-care facilities
- Playgrounds
- Ball Fields
- Bleacher Areas
- Concession Stand Areas
- Picnic Pavilions

Other areas of high public use or environmental concern may be included. In these areas only pesticide active ingredients that are exempt from EPA registration and licensing will be applied, and only after all other methods (biological, cultural or mechanical) have been attempted and have failed.

VII. Training

Increasing the knowledge of staff and contractors who design and maintain facilities, parks, landscape areas, and rights-of-way is critical to the success of the IPM Program. Consequently, providing ongoing training and educational opportunities to City staff and contractors regarding building and landscape IPM concepts, practices, and products will be a priority. The IPM Coordinator and the IPM Consultant will design training programs, invite speakers and arrange for all educational opportunities to assists departments in implementing the IPM Program each year. The Operations Manager shall ensure that the IPM Coordinator informs employees on departmental policies and procedures relevant to this IPM Program and keep staff current with best management practices and technologies that utilize Integrated Pest Management.

Relevant staff to receive this training will include all staff associated with planning, design, construction and maintenance of facilities, parks, landscape, and rights-of-way and all personnel involved in pest management activities in any of the above-described areas.

Training will include:

- Orientation to IPM
- Identification and lifecycles of typical California pests (weeds and insects)
- Determining thresholds
- Monitoring techniques
- Strategies for successful management of these pests
- Noxious weed identification, controls and regulations
- Pesticide laws and safety
- Specific Best Management Practices.

Training and educational opportunities, both formal and informal, will also occur at staff meetings. Managers and supervisors are not only expected to participate in the training, but fully support involvement of their staff and contractors in the training.

On making department staffing and budget decisions, departments shall consider the potential environmental tradeoffs; for example, will reduced staffing require increased use of pesticides to maintain facilities, landscape, parks, or rights-of-way at the same standard? Will short-term IPM expenditures result in long-term savings?

VIII. Public Information

Efforts will be made to educate the public about reduced risk pest management goals and practices implemented under this IPM Program in the most effective manner given time and budget constraints. Various venues may be utilized for public education and information including:

- Department Web pages
- Mailers and City notification inserts
- Public workshops/symposiums and sustainable “Green Zone” sites
- Articles in local print media
- Sharing of IPM information with other City departments and Community groups regarding IPM strategy, pesticide use and alternatives.

IX. Reviewing Plans for New Construction and Landscape Projects

Poorly planned landscape designs may require intensive maintenance and greater reliance on pesticides for pest control than landscapes created with integrated pest management design specifications. Departments participating in a City project that includes the design of new landscape or renovation of an existing one shall design and construct the project consistent with IPM design specifications. Departments shall consult with the IPM Coordinator in the review of all projects to ensure that, where possible, the design considers IPM measures and the following strategies.

In planning, designing, and installing landscape owned and managed by the City, site objectives shall include future management and maintenance practices that protect and enhance natural ecosystems. A landscape, facility, or park should be planned and designed taking into account parameters that will enhance the intended use of the land

and minimize pest problems. Design will take into account such factors as types of uses, soils, grading, slope, water table, drainage, proximity to sensitive areas, selection of vegetation, and vector control issues. City grounds designers, planners, managers, crews, and their contractors shall give priority to IPM strategies when designing new and renovating existing landscape areas. These shall include:

- Using proper soil preparation and amendments
- Specifying weed-free soil amendments
- Using mulches to control weeds, conserve water, and build healthy, biologically diverse soils
- Use weed control fabrics under organic mulches
- Use site adapted and pest resistant plants
- Similar species grouping or plant grouping by similar horticultural needs
- Retain and use regionally native plant and tree species where appropriate
- Pre-plant control of noxious weeds and invasive, non-native plant species

X. Contractors

When a department enters into a new contract or extends the term of an existing contract that authorizes a contractor to apply pesticides to property, the contract shall obligate the contractor to comply with all provisions of this IPM Program. In addition, the contractor shall submit to the City an IPM Implementation Plan that lists:

- The types and estimated quantities of pesticides needed for application under the contract.
- Outline actions the contractor will take to meet the IPM Program goals.
- Identify the primary IPM contact for the contractor.
- Follows City's Written Pest Control Recommendations provided by the IPM Consultant.