

# CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

## INSPECTION REPORT

13 March 2006

**DISCHARGER:** Tehama Market Associates, LLC. & Albert Garland  
(Linkside Place Phase I)

**LOCATION & COUNTY:** Oroville Dam Boulevard (Highway 162 West), Butte County

**CONTACT(S):** N/A

**INSPECTION DATES:** 13 March 2006

**INSPECTED BY:** Scott A. Zaitz, R.E.H.S.

**ACCOMPANIED BY:** James C. Pedri, P.E., Assistant Executive Office-Central Valley  
Regional Water Quality Control Board

### **OBSERVATIONS AND COMMENTS:**

#### ***Background***

On 13 March 2006, Regional Board staff conducted a drainage survey at Linkside Place Phase I (LP) in order to determine how and where storm water runoff from the site discharges. LP is located on the western side of the Table Mountain Golf Course (golf course). It is on the south side of Highway 162 between Highway 99 to the west and Highway 70 to the east, four miles west-southwest of Oroville, in Butte County, Assessor Parcel Number 030-260-021. The project encompasses 18.6 acres and will be developed for 65 residential housing lots. LP runoff drains generally from the west to the east and southeast. The mass grading of the site produced a gentle slope from west to east. On the eastern boundary is an ephemeral drainage that bisects LP and the golf course. The ephemeral drainage flows to the south and passes the NEXRAD Radar Facility (NEXRAD facility) to the east. Most of the northern side of LP drains to the south side of Highway 162 to under road culverts that convey the discharge to ephemeral drainages on the north side of Highway 162. The northwest corner of LP drains to the south side of Highway 162 to an under road culvert. The culvert conveys the discharge to an ephemeral drainage on the north side of Highway 162.

#### ***13 March 2006 Linkside Place North Drainage Survey***

On 13 March 2006 at 1415 hours we arrived at LP to conduct the drainage survey. Representative photographs taken during this inspection are presented in Attachment A. The weather conditions at this time were partly cloudy, 50 degrees and it was not raining. Three rain gage readings located at Oroville Dam, Oroville Fish Hatchery and Sewerage Commission-Oroville Region (SC-OR) for 13 March 2006 recorded between 0.12 and 0.90 inches of rain. The ground was wet and saturated. Rainfall conditions at these locations would be similar to rainfall conditions at LP.

Approved:		
-----------	--	--

Upon arrival at LP we parked the vehicle on the north side of Highway 162 directly across the highway from the northwest corner of LP (Picture 1). The roadside drainage ditch on the north side of Highway 162 that receives storm water from the northwest corner of LP had turbid and sediment-laden storm water in it (Picture 13). The storm water from the northwest corner of LP is conveyed by an under-road corrugated metal pipe that discharges the storm water into a well defined ephemeral drainage swale in pastureland to the north of Highway 162. We walked due north into this pastureland and observed that the ephemeral drainage swale still had ponded storm water from the past 24 hours of storm events. Pictures 1, 2 and 3 document the ponding of storm water and an obvious greenway of vegetation indicating repeated storm flows providing water for vegetative growth. Pictures 5 through 8 show the path of surface water flow to Snake creek. As we followed the greenway down slope towards Snake Creek we utilized a laser rangefinder to determine distance and a clinometer to determine the slope of the pastureland from Highway 162 to Snake Creek (Pictures 1, 3, 4 & 11). To start our drainage survey Mr. Pedri stood at the top of the pastureland slope, adjacent to Highway 162, and I walked in the pastureland due north down slope (counting my paces) adjacent to the ephemeral drainage swale stopping at approximately 150 yards. A laser rangefinder reading and a clinometer reading were taken and then Mr. Pedri walked (paced) down slope to my location and this process was repeated until we reached Snake Creek. The approximate length of the ephemeral drainage swale was 420 yards from Highway 162 to Snake Creek and the slope of the ephemeral drainage swale was calculated to be 2-3%.

### ***13 March 2006 Linkside Place South/Southeast Drainage Survey***

At 1500 hours we continued with the drainage survey on the eastern boundary of LP. There is an ephemeral drainage swale between LP and the golf course (Pictures 14-15) that receives the majority of storm water runoff from LP. At the time of the survey storm water was actively passing through this drainage feature. We walked from north to south along the eastern boundary of LP until the ephemeral drainage swale turned due east onto the golf course property (Picture 16). The storm water is conveyed basically from the west to the east through the golf course by a number of ditches and underground pipes as seen in pictures 16-21. We observed that this entire conveyance through the golf course was actively transporting storm water to the eastern boundary of the golf course where it entered another underground pipe that went underneath the City of Oroville airport western boundary fence (Picture 21). The drainage is conveyed through the airport property and under the airport tarmacs by underground piping. We drove to the east side of the airport property and located the drainage system outfall as it daylighted on the west side of Larkin Road. The drainage is then conveyed under Larkin Road and is then discharged into the Oroville Wildlife Area. We drove into the Wildlife Area and physically walked the drainage as it meandered through the Wildlife Area. The drainage discharges out of the eastern boundary of the Oroville Wildlife Area and eventually reaches the Feather River (Pictures 22-28). We physically walked the entire drainage conveyance system from the eastern boundary of LP to the Feather River with the exception of the City of Oroville Airport property. Aerial photographs verified that the storm water conveyance leaves the eastern side of the golf course and is conveyed through the City of Oroville Airport property ultimately discharging on the eastern side of the airport property into the Larkin Road underground pipe and into the Oroville Wildlife Area.

Approved		
:		

**SUMMARY:**

Central Valley Water Board staff conducted a drainage survey on both the north side of LP and on the eastern boundary of LP. Central Valley Water Board staff verified that runoff from LP discharges to the north to an unnamed ephemeral drainage and wetlands that are tributary to Thermalito Afterbay via Snake Creek and the Thermalito tailrace. Central Valley Water Board staff verified that runoff from LP also discharges to the south and east through the Table Mountain Golf Course, City of Oroville Airport, Oroville Wildlife Area to the Feather River.

Original signed 22 November 2006  
Scott A. Zaitz, R.E.H.S  
Environmental Scientist

SAZ: sae

Approved :		
---------------	--	--