

Appendix A

San Carlos Channel 1) Beaver Lake Drive & 2) San Carlos/Mission Trails Golf Course 3) Lake Badin Avenue to Boulder Lake Avenue

MMP MAP No. 54

IMP Emergency Maintenance Methodology Table

FACILITY/CHANNEL	SAN CARLOS CHANNEL: 1) BEAVER LAKE DRIVE AND 2) SAN CARLOS/MISSION TRAILS GOLF COURSE CHANNEL 3) LAKE BADIN AVENUE TO BOULDER LAKE AVENUE		
DIMENSIONS	<u>SAN CARLOS CHANNEL: 1) NORTH OF BEAVER LAKE DRIVE</u> TRAPAZOIDAL, CONCRETE- LINED 950' LENGTH APPROX. 25' TOP WIDTH 7' BOTTOM WIDTH 6' IN DEPTH 0-1' OF SEDIMENT 158 TONS – APPROX 220 CUBIC YARDS FROM CHANNEL, PIPE, AND ACCESS AREA	<u>SAN CARLOS CHANNEL: 2) SANCARLOS/MISSION TRAILS GOLF COURSE</u> TRAPAZOIDAL, CONCRETE-LINED 180' LENGTH APPROX. 10' TOP WIDTH 1' BOTTOM WIDTH APPROX. 5' IN DEPTH 1/2-1' OF SEDIMENT APPROX 40 CUBIC YARDS	<u>SAN CARLOS CHANNEL: 3) LAKE BADIN AVENUE TO BOULDER LAKE AVENUE</u> TRAPAZOIDAL, CONCRETE- LINED 471' OF 1,050' LENGTH APPROX. 33' TOP WIDTH 8' BOTTOM WIDTH APPROX. 5' IN DEPTH APPROXIMATELY 4 CUBIC YARDS OF VEG
MAINTENANCE METHOD	MECHANIZED SEDIMENT & VEGETATION REMOVAL – FROM OUTSIDE/ABOVE, AND INSIDE CHANNEL; HAND REMOVAL OF VEGETATION FROM WITHIN CHANNEL		
EQUIPMENT	<ul style="list-style-type: none"> • GRADALL • BACKHOE (JOHN DEERE 410K) • DUMP TRUCKS(S) (10/12 YD) • VACTOR 		
SCHEDULE	CHANNEL WORK TOOK SEVEN (7) DAYS – 6:00 AM TO 6:00 PM: (NOVEMBER 1, 2, 5, 6, 7, & 8, 2014 & DECEMBER 1, 2014)		
STAFFING	8 TO 12 PEOPLE		

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MAINTENANCE PROCEDURE	
CHANNEL SEQUENCE	<p>1. <u>SAN CARLOS CHANNEL: 1) BEAVER LAKE DRIVE – CHANNEL IS IMMEDIATELY SOUTH OF 7921 BEAVER LAKE DR THROUGH 8081 BEAVER LAKE DR</u></p> <p>2. <u>SAN CARLOS CHANNEL: 2) SAN CARLOS/MISSION TRAILS GOLF COURSE – CHANNEL SEGMENT ORIGINATES BEHIND 6478 COWLES MTN BLVD & FLOWS WEST</u></p> <p>3. <u>SAN CARLOS CHANNEL: 3) LAKE BADIN AVENUE TO BOULDER LAKE DRIVE</u></p>
ACCESS & LOADING AREA(S)	<p><u>SAN CARLOS CHANNEL: 1) BEAVER LAKE DRIVE</u> ACCESS & LOADING AREA SC1 – (255' X 15') – GRADALL/BACKHOE DROVE FROM STREET TO PAD BEHIND 7921 BEAVER LAKE DRIVE. NO EQUIPMENT ENTERED THE CHANNEL</p> <p><u>SAN CARLOS CHANNEL: 2) SAN CARLOS/MISSION TRAILS GOLF COURSE</u> ACCESS & LOADING AREA SC2 – BACKHOE ENTERED GOLF COURSE FROM MAINTENANCE ACCESS YARD AT 7145 JACKSON DRIVE AND FOLLOWED PAVED MARKED PATH TO WORK AREA. EXCAVATION WAS PERFORMED FROM WITHIN AN AREA 180' X 15' ALONG THE CHANNEL BANK. NO EQUIPMENT ENTERED THE CHANNEL</p> <p><u>LAKE BADIN AVENUE TO BOULDER LAKE AVENUE – GRADALL SAT OUTSIDE/ABOVE CHANNEL IN SAN CARLOS RECREATION CENTER PARKING LOT AND LOWERED BOBCAT INTO CHANNEL. TRUCK BACKED TO GRADALL TO GET LOADED.</u></p>
STAGING & STOCKPILE AREA	EQUIPMENT WAS STAGED ON PAD BEHIND RESIDENCE AT 7906 LAKE CAYUGA DRIVE. ALL MATERIAL WAS HAULED TO A LEGAL DISPOSAL SITE (MIRAMAR LANDIFLL).

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METHODOLOGY	<p><u>SAN CARLOS CHANNEL: 1) BEAVER LAKE DRIVE</u></p> <ol style="list-style-type: none">1. GRADALL DROVE TO THE EAST END OF ACCESS & LOADING AREA SC1.2. GRADALL SCOOPED MATERIAL FROM WITHIN CHANNEL & LOADED MATERIAL INTO WAITING DUMP TRUCK LOCATED WITHIN ACCESS & LOADING AREA SC1.3. CREW ENTERED THE CHANNEL, REMOVED VEGETATION WITH HAND TOOLS, & DRAGGED IT TO THE GRADALL WAITING IN ACCESS & LOADING AREA SC1.4. DUMP TRUCK HAULED MATERIAL TO LEGAL DISPOSAL SITE (MIRAMAR LANDFILL). <p><u>SAN CARLOS CHANNEL: 2) SAN CARLOS/MISSION TRAILS GOLF COURSE</u></p> <ol style="list-style-type: none">1. BACKHOE DROVE ON PAVED GOLF COURSE ROAD FROM 7145 JACKSON DRIVE TO CHANNEL.2. BACKHOE REMOVED LOOSE VEGETATION & SOIL FROM CHANNEL & DEPOSITED IT ON BANK.3. GOLF COURSE PERSONNEL HAULED AWAY & DISPOSED OF EXCAVATED SPOILS. <p><u>SAN CARLOS CHANNEL: 3) LAKE BADIN AVENUE TO BOULDER LAKE AVENUE</u></p> <ol style="list-style-type: none">1. VACTOR REMOVED PONDING WATER FROM CHANNEL.2. GRADALL LOWERED BOBCAT INTO CHANNEL.3. BOBCAT DROVE UPSTREAM TO VEG MASS AND PUSHED MATERIAL DOWN TO GRADALL.4. GRADALL SCOOPED MATERIAL FROM CHANNEL AND LOADED ONTO TRUCK.5. GRADALL REMOVED BOBCAT FROM CHANNEL.
POST-MAINTENANCE	<ol style="list-style-type: none">1. DEMOBILIZED EQUIPMENT.2. REMOVED TEMPORARY CONSTRUCTION BMPS.3. INSTALLED JUTE MESH OVER DISTURBED AREAS OF SC1.
OTHER NOTES	<ol style="list-style-type: none">1. SWEEPERS SWEEP ADJACENT PUBLIC RIGHTS-OF-WAY AND IMMEDIATE TRUCK LOADING SITES NIGHTLY.



IMP for Emergency Maintenance at San Carlos Channel (Map 54)

CITY OF SAN DIEGO MASTER STORMWATER SYSTEM MAINTENANCE PROGRAM