

Sorrento Area Channels – Reach 3 – MMP MAP No. 11 & 12

Attachment 2 – IMP Maintenance Methodology

FACILITY/CHANNEL	SOLEDAD CREEK (REACH 3A, 3B, 3C, & 3D)	
DIMENSIONS	CONCRETE-LINED, TRAPEZOIDAL CHANNEL 2,280’ LENGTH 63’ BOTTOM WIDTH (APPROXIMATE) 78’ TOP WIDTH (APPROXIMATE) 5’ CHANNEL DEPTH -- 6” AVERAGE SEDIMENT DEPTH CUBIC YARDS: 2,000-4,000 (APPROXIMATE) MAXIMUM CUBIC YARDS: 8,000	
MAINTENANCE METHOD	MECHANIZED SEDIMENT & VEGETATION REMOVAL	
EQUIPMENT (EQUIPMENT WILL BE EQUIVELENT OR SMALLER IN SIZE/TYPE)	<ul style="list-style-type: none">• RUBBER TRACKED SKID-STEER(S) (JOHN DEERE 333E)• EXCAVATOR(S) (CAT 320 WITH THUMB)• LOADER(S) (CAT 966)• SKID-STEER(S) (BOBCAT 650)• SWEEPER (JOHNSON 4000 OR TYMCO 500X)• DUMP TRUCK(S) & PUP TRAILER (20 YD)• 4” TO 6” TRASH PUMPS (WACKER & GODWIN)	
SCHEDULE: 6 - 8 WEEKS (7 DAYS A WEEK, 6 AM TO 6 PM)		
STAFFING: MON TO FRI: 10 TO 12 PEOPLE; SA- SUN – 14 TO 18 PEOPLE (ADDITIONAL TRUCK DRIVERS MAY BE AVAILABLE)		
MAINTENANCE PROCEDURE		
CHANNEL SEQUENCE	<ol style="list-style-type: none">1. REACH 3A – STATION 0+00 TO 0+93 - ACCESS RAMP TO MTS PEDISTRIAN BRIDGE THAT CROSSES CHANNEL2. REACH 3B – STATION 0+93 TO 6+75 - MTS PEDESTRIAN BRIDGE THAT CROSSES CHANNEL TO SORRENTO VALLEY BLVD (SVB) BRIDGE3. REACH 3C – STATION 6+75 TO 7+69 - UNDERNEATH SORRENTO VALLEY BLVD (SVB) BRIDGE4. REACH 3D – STATION 7+69 TO 22+80 - SOUTH OF SORRENTO VALLEY BLVD (SVB) BRIDGE TO END OF CONCRETE-LINED CHANNEL	
ACCESS & LOADING AREA(S)	ACCESS & LOADING AREA-3A FOR REACH 3A, 3B, AND 3C: (APPROX 3,780 SQ FT) EQUIPMENT AND TRUCKS ENTER/EXIT(S) CHANNEL VIA PERMENANT CONCRETE ACCESS RAMP NEAR BUS TURN-AROUND ON ROSELLE ST. ACCESS & LOADING AREA-3B FOR REACH 3C & 3D: (20’ X 40’) LOADER & EXCAVATOR ENTER/EXIT(S) CHANNEL FROM ROSELLE ST.	
STAGING AREA(S) & FUELING AREA(S)	STAGING AREA-3A: APPROXIMATLY (40’ x 50’) LOCATED OUTSIDE THE CHANNEL IMMEDIATELY DOWNSTREAM OF REACH 3A STAGING AREA-3B: (20’ X 40’) LOCATED BETWEEN ROSELLE ST AND CHANNEL APPROX. 600’ SOUTHEAST OF SVB	

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	<p>FUELING AREA-3A: (30' X 12') LOCATED ON ROSELLE STREET APPROX. 180' SOUTHWEST OF STAGING AREA-3A</p> <p>FUELING AREA-3B: (30' X 12') LOCATED ON ROSELLE STREET APPROX. 150' SOUTH OF STAGING AREA-3B</p>
METHODOLOGY	<p><u>REACH 3A:</u></p> <ol style="list-style-type: none"> 1. DRY WEATHER FLOW DIVERSION BERM (WATER FILLED BARRIERS, SANDBAGS, AND VISQUEEN), PLACED AT NORTHERN LIMITS OF CHANNEL CLEANING. 2. SECOND DRY WEATHER FLOW DIVERSION BERM, DIVERSION PIPES, & PUMPS PLACED WITHIN CHANNEL IMMEDIATELY UPSTREAM OF SORRENTO VALLEY ROAD BRIDGE. 3. MAINTENANCE AREA BETWEEN THE FLOW DIVERSION BERMS DEWATERED AS NECESSRY 4. RUBBER TRACKED SKID-STEER(S), DUMP TRUCK & LOADER ENTER/EXIT(S) REACH 3A VIA PERMENANT ACCESS RAMP AT ACCESS & LOADING AREA-3A. 5. RUBBER TRACKED SKID-STEER(S) MOVE MATERIAL INTO PILES FOR LOADER. 6. LOADER LOADS MATERIAL INTO WAITING DUMP TRUCK. 7. DUMP TRUCK HAULS MATERIAL OUT OF CHANNEL VIA RAMP AT ACCESS & LOADING AREA-3A TO LEGAL DISPOSAL SITE. <p><u>REACH 3B:</u></p> <ol style="list-style-type: none"> 1. EQUIPMENT ENTER/EXIT(S) REACH 3B FROM ACCESS & LOADING AREA-3A VIA REACH 3A. 2. EXCAVATOR SCOOPS MATERIAL & PLACES MATERIAL IN PILES FOR RUBBER TRACKED SKID-STEER(S). 3. RUBBER TRACKED SKID-STEER(S) MOVE MATERIAL FROM REACH 3B UNDER THE MTS PEDESTRIAN BRIDGE TO THE LOADER. 4. LOADER LOADS MATERIAL DEPOSITED BY RUBBER TRACKED SKID-STEER(S) INTO WAITING DUMP TRUCK. 5. DUMP TRUCK HAULS MATERIAL OUT OF CHANNEL VIA RAMP AT ACCESS & LOADING AREA-3A TO LEGAL DISPOSAL SITE. <p><u>REACH 3C:</u></p> <ol style="list-style-type: none"> 1. SKID-STEER ENTERS/EXIT(S) REACH 3C FROM ACCESS & LOADING AREA-3A VIA REACHES 3A & 3B AND VIA ACCESS & LOADING AREA 3B VIA REACH3D 2. SKID-STEER MOVES MATERIAL FROM REACH 3C (UNDER SVB BRIDGE INTO EITHER REACH 3B OR 3D DEPENDING ON WHICH IS CLOSER.) 3. ONCE MATERIAL IS IN REACH 3B OR 3D IT IS HANDLED IN THE MANNER DESCRIBED IN THOSE REACHES.

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	<p>4. REMOVE DRY WEATHER DIVERSION BERM FROM NORTHERN LIMITS OF CHANNEL CLEANING</p> <p><u>REACH 3D:</u></p> <ol style="list-style-type: none">1. INSTALL DRY WEATHER FLOW DIVERSION BERM, DIVERSION PIPES, & PUMPS PLACED WITHIN CHANNEL UPSTREAM OF ACCESS & LOADING AREA-3B.2. CREWS REMOVE GUARDRAILS, FENCE, &/OR BOLLARDS TO OPEN GATE FOR ACCESS & LOADING AREA-3B3. LOADER & EXCAVATOR ENTER CHANNEL AT ACCESS & LOADING AREA-3B4. LOADER CONSTRUCTS TEMPORARY RAMP WITH IN-CHANNEL MATERIAL TO BETTER FACILITATE ACCESS.5. EXCAVATOR MOVES UPSTREAM OR DOWNSTREAM FROM ACCESS & LOADING AREA-3B & PLACES MATERIAL IN PILES FOR LOADER.6. LOADER MOVES MATERIAL TO ACCESS & LOADING AREA-3D.7. SECOND EXCAVATOR USES ONE OF THE OPTIONS BELOW TO SCOOP MATERIAL WITHIN CHANNEL & LOADS WAITING DUMP TRUCK STATIONED IN PUBLIC RIGHT-OF-WAY (ROSELLE ST). <p><u>OPTION A:</u> EXCAVATOR IS STATIONED OUTSIDE THE CHANNEL IN ACCESS & LOADING AREA-3D; OR</p> <p><u>OPTION B:</u> TEMPORARY IN CHANNEL LOADING PAD AREA IS CONSTRUCTED WITH IN-CHANNEL MATERIAL, IF AVAILABLE.</p> <ol style="list-style-type: none">8. DUMP TRUCK HAULS MATERIAL TO LEGAL DISPOSAL SITE.9. REMOVE REMAINING DRY WEATHER DIVERSION BERMS.
POST-MAINTENANCE	<p>DEMobilize EQUIPMENT.</p> <p>REPLACE FENCE, BOLLARDS, & GUARDRAILS AT ACCESS & LOADING AREA-3D.</p> <p>RESTORE SITE, INCLUDING TEMPORARY ACCESS & LOADING AREA(S), TO PRE-MAINTENANCE OR AS-BUILT CONDITION.</p> <p>REMOVE STANDING WATER (IF ANY) WITHIN DRAINAGE FACILITY WITH PUMPS OR VACTOR.</p> <p>REMOVE TEMPORARY CONSTRUCTION BMPS.</p>
OTHER NOTES	<p>TRAFFIC CONTROL IS REQUIRED TO CLOSE LANE ON ROSELLE ST.</p> <p>SWEEPERS WILL SWEEP ALL STAGING AREAS, ADJACENT PUBLIC RIGHTS OF WAY, & TRUCK ROUTES NIGHTLY.</p>