

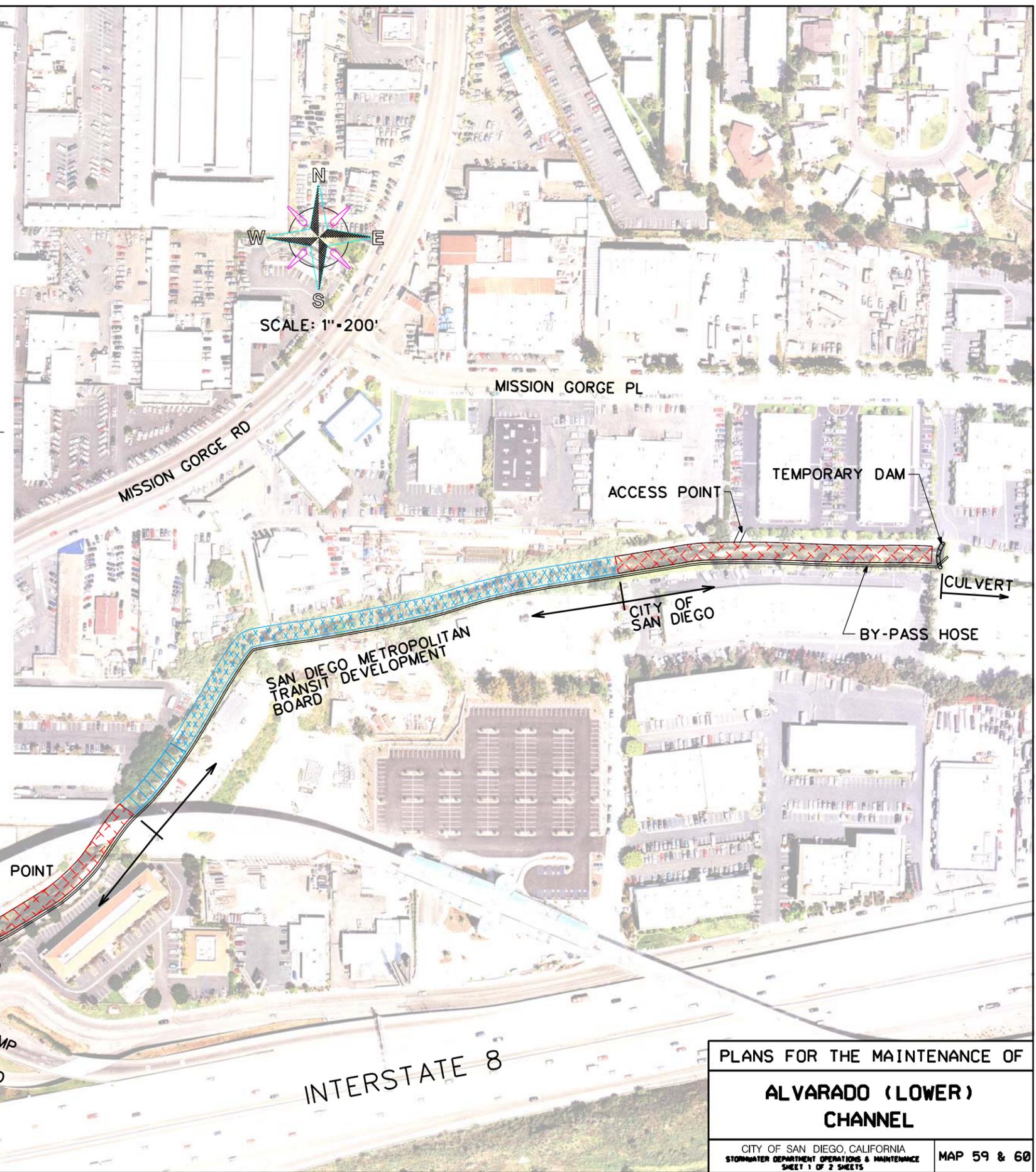
-  SEDIMENT & VEGETATION REMOVAL (1080 FT (L) X 30 FT (W) & 550 FT (L) X 30 FT (W)) CITY OWNED CONCRETE CHANNEL
-  SEDIMENT & VEGETATION REMOVAL (140 FT (L) X 30 FT (W)) METROPOLITAN TRANSIT DEVELOPMENT BOARD OWNED
-  VEGETATION REMOVAL (880 FT (L) X 30 FT (W)) METROPOLITAN TRANSIT DEVELOPMENT BOARD OWNED
-  FUTURE VEGETATION REMOVAL (300 FT (L) X 30 FT (W)) (PRIVATE) WILLIS ENTERPRISES INC. OWNED
-  FUTURE VEGETATION REMOVAL (170 FT (L) X 30 FT (W)) CITY OWNED EARTHEN CHANNEL

CHANNEL TYPE: 9/10 CONCRETE AND 1/10 EARTHEN
 CITY OWNED CHANNEL SEGMENT DIMENSIONS: ~ 1,800 FT (L) X 30 FT (W)
 MAINTENANCE METHOD: SELECTIVE MAINTENANCE
 EQUIPMENT: DOZER, EXCAVATOR, FRONT LOADER, DUMP TRUCKS, PORTABLE PUMPS, VACTORS

- SCOPE OF WORK:
1. INSTALL TEMPORARY DAM UPSTREAM OF MAINTENANCE AREA.
 2. BYPASS WATER USING TWO 6 INCH PORTABLE PUMPS.
 3. DOZER ENTERS THE DRAIN FACILITY FROM TEMPORARY ACCESS RAMP.
 4. DOZER PUSHES ACCUMULATED MATERIAL WITHIN DRAINAGE FACILITY TO A CENTRAL SITE NEAR ACCESS RAMP.
 5. LOADER ENTERS DRAIN FACILITY FROM TEMPORARY ACCESS RAMP.
 6. LOADER SCOOPS ACCUMULATED MATERIAL FROM CENTRAL SITE AND LOADS INTO DUMP TRUCK.
 7. LOADED DUMP TRUCK LEAVES DRAIN FACILITY AND TRANSPORTS MATERIAL TO AN APPROVED OFFSITE DISPOSAL LOCATION.

ACCESS: TEMPORARY ACCESS RAMP
 STAGING AREA: NONE
 STOCKPILE AREA: NONE
 MAINTENANCE DURATION: ONE MONTH
 MANPOWER: 11 WORKERS

- NOTE:
1. HYDRAULIC ANALYSIS ASSUMED MAINTENANCE WOULD BE PERFORMED ON THE SAN DIEGO METROPOLITAN TRANSIT DEVELOPMENT BOARD PORTION OF THE CHANNEL.
 2. MAINTENANCE INCLUDES BOTTOM OF THE CHANNEL ONLY.
 3. FOR THE PORTIONS OF THE CHANNEL WITH MAINTENANCE METHOD VEGETATION REMOVAL ONLY FROM THE CHANNEL BOTTOM, THE INDIVIDUAL MATURE TREES SUCH AS SYCAMORES OR COTTONWOODS, CAN BE RETAINED IF SPACED MORE THAN 50 FEET APART. THE TREES TO REMAIN SHOULD BE TRIMMED TO REMOVE BRANCHES BELOW THE TOP OF BANK ELEVATION.



PLANS FOR THE MAINTENANCE OF	
ALVARADO (LOWER) CHANNEL	
CITY OF SAN DIEGO, CALIFORNIA STORMWATER DEPARTMENT OPERATIONS & MAINTENANCE SHEET 1 OF 2 SHEETS	MAP 59 & 60