

APPENDIX I
Record Drawings

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 9

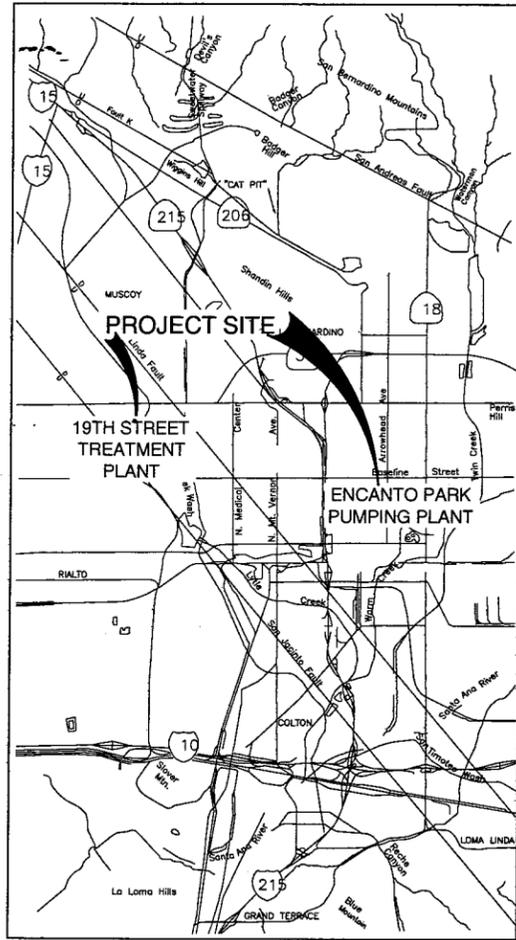
MUSCOY OPERABLE UNIT REMEDIAL DESIGN
GROUNDWATER CONTAMINATION SUPERFUND SITE

19TH STREET PLANT AND ENCANTO PARK PUMPING PLANT
CONTRACT NO. 68-W-98-225/WA NO. 014-RDRD-09JS

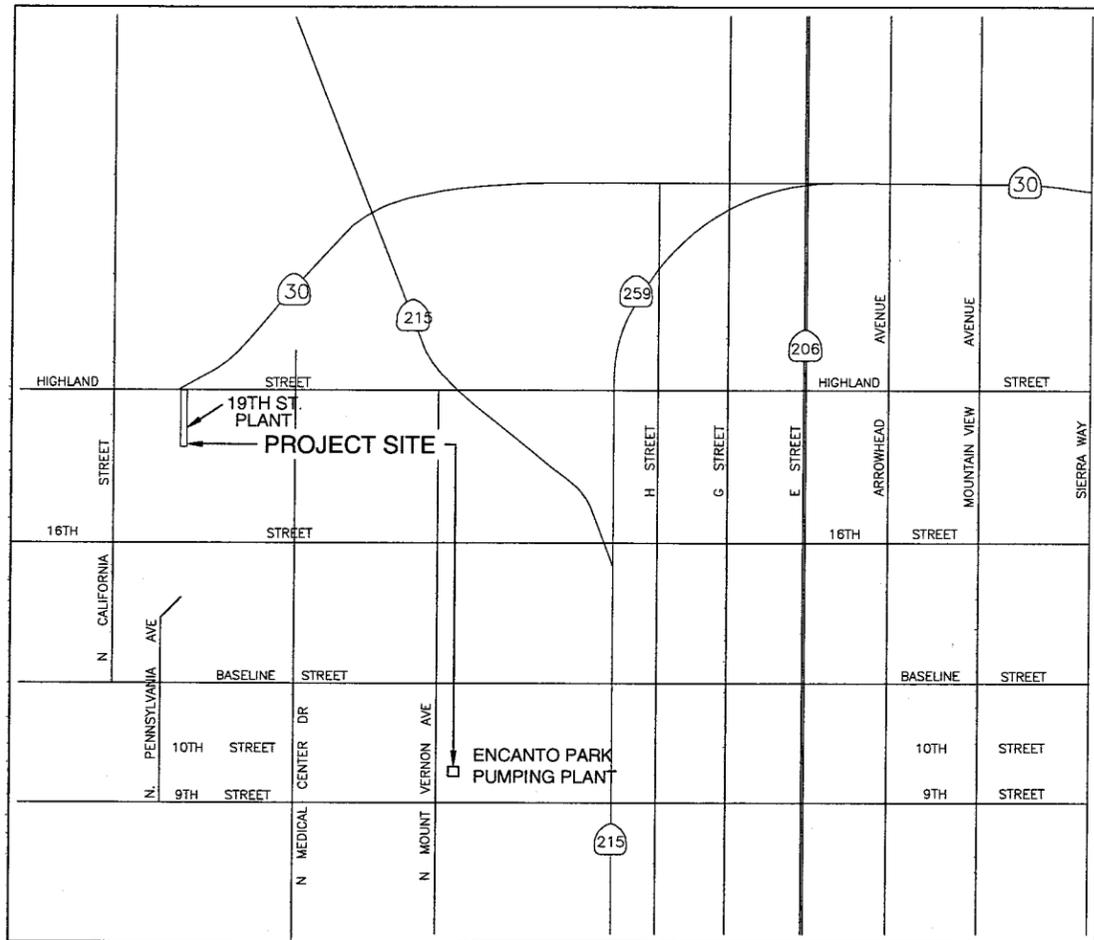
PREPARED BY
URS CORPORATION
SACRAMENTO, CALIFORNIA
JANUARY 2006

RECORD
DRAWINGS

H:\CADD\Current\ENV-Infra\Muscoy\Final Design\As-Built\G2.dwg User:mstefinger Plot:May 24, 2006 10:14am Lost Save:May 24, 2006 8:47am



VICINITY MAP



LOCATION MAP

GENERAL NOTES

- CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR PROTECTION OF EXISTING FACILITIES FROM DAMAGE DUE TO CONTRACTOR'S OPERATIONS.
- CONTRACTOR AGREES TO ENSURE THAT ALL WORK IS PERFORMED IN A MANNER WHICH MINIMIZES DISTURBANCE TO OWNER'S ONGOING ACTIVITIES AT THE SITE. CONTRACTOR SHALL ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG ITS EMPLOYEES AT ALL TIMES. CONTRACTOR SHALL NOT EMPLOY ANY PERSON UNFIT OR UNSKILLED IN ANY PROJECT ASSIGNED TO HIM.
- OSHA PERMIT IS REQUIRED FOR TRENCHES OVER 5 FT. IN DEPTH, PRIOR TO START OF TRENCH EXCAVATION.
- ALL WATERLINE CONNECTION POINTS AND CRITICAL UTILITY CROSSINGS POINTS SHALL BE EXPOSED AND ACCURATELY LOCATED AT THE START OF CONSTRUCTION, AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE CONTINUATION OF WORK.
- ALL REMOVALS IN PAVED AREAS SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL TO THE PIPE LINE. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING AND ALL BROKEN EDGES SHALL BE RECUT PRIOR TO PAVING OPERATIONS.
- DUST SHALL BE CONTROLLED AT ALL TIMES BY APPROVED METHODS.
- PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE FROM DIRT AND/OR DEBRIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED IN STREET CLEANING NECESSITATED BY HIS OPERATION
- ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY A SOILS ENGINEER PRIOR TO ACCEPTANCE.
- THE CONTRACTOR SHALL NOT MAKE ANY CONNECTION TO THE EXISTING SBMWD DISTRIBUTION SYSTEM WITHOUT FIRST GAINING WRITTEN PERMISSION TO DO SO FROM THE WATER DEPARTMENT ENGINEER. IN THE EVENT THAT PERMISSION IS GRANTED, A SBMWD INSPECTOR MUST BE PRESENT ON SITE TO WITNESS SAID CONNECTION(S). TEST PLATES SHALL BE INSTALLED ON THE NEW CONSTRUCTED SIDE OF ALL MAIN CONNECTION POINTS. THE CONTRACTOR MAY USE ALTERNATIVE METHODS. ALL FLUSHING, CHLORINATION, AND TESTING SHALL BE PERFORMED EITHER BY (A) WATER TRUCK, OR (B) HYDRANT-TO-HYDRANT CONNECTION THROUGH AN APPROVED BACKFLOW PREVENTION ASSEMBLY.
- ALL WATER MAINS AND APPURTENANCES SHALL BE PRESSURE TESTED AND DISINFECTED PRIOR TO ACCEPTANCE BY THE SBMWD.
- ALL TESTING AND DISINFECTION SHALL BE MADE IN THE PRESENCE OF THE INSPECTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN TWENTY-FOUR (24) HOURS IN ADVANCE OF THE ACTUAL TIME OF TESTING AND/OR DISINFECTION SO THAT THE WATER DEPARTMENT ENGINEER OR DESIGNEE MAY OBSERVE THE PROCEDURE.
- IF THE PRESSURE TEST, CHLORINATION OR BACTERIOLOGICAL TEST FAIL TO MEET THE REQUIREMENT OF THE SPECIFICATIONS, THE CONTRACTOR SHALL MAKE ALL NECESSARY REPAIRS, REPLACEMENTS OR REPETITION OF PROCEDURES AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAVEMENT REPLACEMENT FOR ALL TRENCH CUTS AND DAMAGE TO EXISTING PAVEMENT.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS TO REMOVE AN EXISTING PICNIC ENCLOSURE LOCATED AT ENCANTO PARK AND REPLACE IT WITH A NEW PICNIC ENCLOSURE AND ACCESSORIES SPECIFIED HERE.
 - THE SUNSHADE SHALL BE A 16' X 16' AMERICAN NAVAJO SHADE SHELTER SUPPLIED BY DAVE BANG ASSOCIATES INC., (800) 669-2585.
 - THE CONCRETE SLAB SHALL BE 6" THICK, 2,500 PSI, 4" SLUMP CONCRETE, WITH 10 X 10 WELDED WIRE MESH FOR REINFORCEMENT. THE CONTRACTOR SHALL COVER THE SHADE STRUCTURE STEEL COLUMNS WITH 16" X 16" CINDER BLOCKS WITH A RIVER ROCK STONE VENER.
 - THE CONTRACTOR SHALL SUPPLY FOUR 6' PVC COATED EXPANDED METAL CHESTNUT PARK PICNIC TABLES. THEY WILL BE SUPPLIED BY DIVERSIFIED METAL FABRICATORS, INC. (816) 532-0352, PO BOX 479, SMITHVILLE, MISSOURI 64089, OR EQUAL.
 - THE CONTRACTOR SHALL SUPPLY AND INSTALL ONE 48" GROUP BAR B QUE GRILL (MODEL NUMBER XB16). SUPPLIED BY KAY PARK RECREATION CORP 1301 PINE STREET, JAMESVILLE, IA 50647, PHONE: 1-800-553-2476.

PLACEMENT OF THE SUNSHADE, AND ACCESSORIES SHALL BE COORDINATED WITH MR. JOHN TUCKER OF THE CITY OF SAN BERNARDINO PARKS, RECREATION & COMMUNITY SERVICES DEPARTMENT. MR. TUCKER CAN BE REACHED AT 909-384-5233, 547 N. SIERRA WAY, SAN BERNARDINO, CA 92410.

ENGINEER'S NOTES TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUIT OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

DIG ALERT

DIAL TOLL FREE
 1-800-422-4133

AT LEAST TWO DAYS
 BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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CONSTRUCTION SCHEDULE NOTES

THE EXPANDED 19TH STREET TREATMENT PLANT WILL BE CONSTRUCTED IN FIVE PHASES:

PHASE 1: INSTALLATION OF THE 19TH STREET PUMP STATION NOISE ATTENUATION IMPROVEMENTS; A PORTION OF THE ARCHITECTURAL SOUND WALL; UNDERGROUND PIPING FOR THE SPENT BACKWASH COLLECTION SYSTEM (IN VICINITY OF THE CARBON VESSELS); CONSTRUCTION OF THE CAST-IN-PLACE CONCRETE PADS THAT WILL SUPPORT THE CARBON VESSELS AND ASSOCIATED PIPING. THE ENCANTO PARK PUMP STATION CONSTRUCTION, INCLUDING PICNIC AREA, WILL BE PERFORMED CONCURRENT WITH THIS FIRST PHASE OF WORK AT THE 19TH STREET PLANT AND MUST BE COMPLETED WITHIN 120 DAYS OF RECEIPT OF THE NOTICE TO PROCEED.

PHASE 2: SITE GRADING; INSTALLATION OF UNDERGROUND YARD PIPING, INCLUDING THE CONNECTION TO THE NEW 30-INCH INFLUENT PIPELINE IN 19TH STREET;

PHASE 3: INSTALLATION OF THE CARBON VESSELS AND ASSOCIATED ABOVE GROUND PIPING (TO BE COMPLETED BY OTHERS); AND CONNECTION OF UNDERGROUND YARD PIPING TO THE ABOVE GROUND CARBON VESSEL PIPING.

PHASE 4: INSTALLATION OF THE ELECTRICAL AND PROGRAMMABLE LOGIC CONTROL SYSTEMS, INCLUDING THE DISINFECTION SYSTEM.

PHASE 5: FINISH GRADING; COMPLETION OF THE ARCHITECTURAL SOUND WALL; LANDSCAPING; AND THE ASPHALT PAVING OF THE 19TH STREET EXPANDED TREATMENT PLANT.

RECORD DRAWINGS

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	11/05	RECORD REVISION			
REVISIONS					

DESIGNED BY: PAS
 DRAWN BY: ETB
 CHECKED BY: DHD




MUSCOY OU REMEDIAL DESIGN
19th STREET PLANT & ENCANTO PARK PUMPING PLANT
NEWMARK GROUNDWATER CONTAMINATION SUPERFUND SITE

VICINITY AND LOCATION MAPS, SHEET INDEX AND GENERAL NOTES

SCALE	DATE	DWG. FILE	SHEET NO.
AS NOTED	8/14/03	G2.DWG	G2