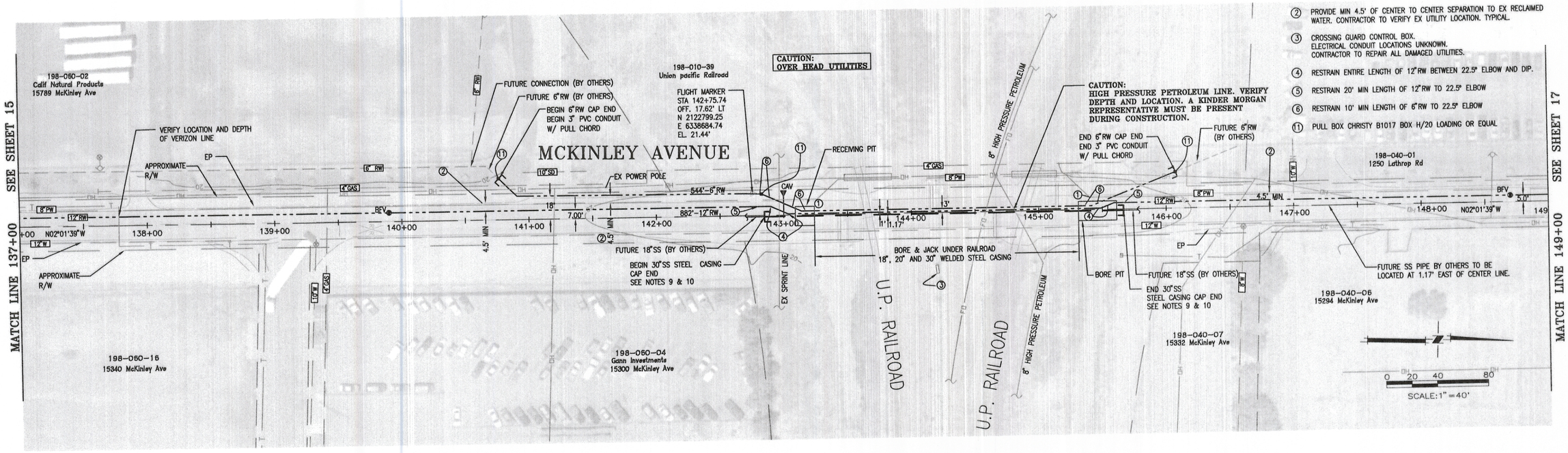
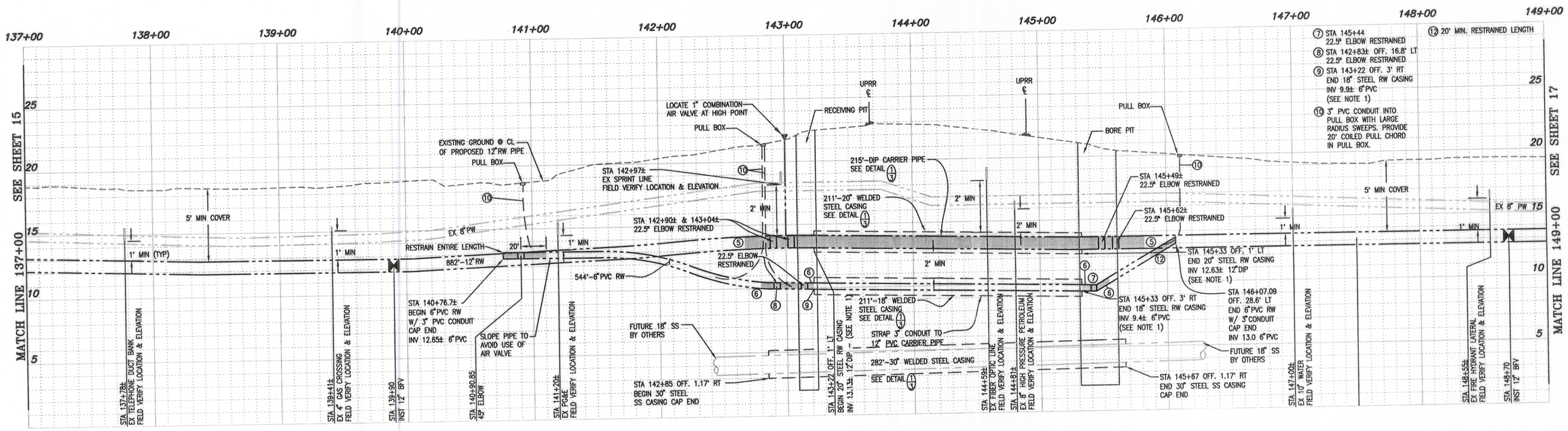
1. EXISTING KICK BLOCK. EX RW FORCEMAIN MAY NEED TO BE SHUTOFF WHILE WORKING IN AREA OR ADEQUATE SHORING TO MAINTAIN KICK BLOCK AND OR TENCH INTEGRITY. TYPICAL OF ALL ADJACENT UTILITIES. CONTRACTOR TO COORDINATE WITH UTILITY OWNER.
2. PROVIDE MIN 4.5' OF CENTER TO CENTER SEPARATION TO EX RECLAIMED WATER. CONTRACTOR TO VERIFY EX UTILITY LOCATION. TYPICAL.
3. CROSSING GUARD CONTROL BOX. ELECTRICAL CONDUIT LOCATIONS UNKNOWN. CONTRACTOR TO REPAIR ALL DAMAGED UTILITIES.
4. RESTRAIN ENTIRE LENGTH OF 12"RW BETWEEN 22.5° ELBOW AND DIP.
5. RESTRAIN 20' MIN LENGTH OF 12"RW TO 22.5° ELBOW
6. RESTRAIN 10' MIN LENGTH OF 6"RW TO 22.5° ELBOW
11. PULL BOX CHRISTY B1017 BOX H/20 LOADING OR EQUAL





NOTES:
1. THE EXACT VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITIES ARE NOT SPECIFICALLY LOCATED. THE CONTRACTOR SHOULD EXERCISE EXTREME PRECAUTIONS. CONTRACTOR TO ADJUST PIPE AND CASING ELEVATION TO AVOID ALL UTILITIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR FIELD CONDITIONS 24 HOURS A DAY.
3. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IF THE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS.
4. ALL TRENCHES SHALL BE SHORED OR PROTECTED IN ACCORDANCE WITH OSHA REQUIREMENTS.
5. ALL EXISTING IRRIGATION AND DRAINAGE LINES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED.
6. PROPERTY OWNER TO BE NOTIFIED 1 WEEK IN ADVANCE OF CONSTRUCTION.
7. IF RESTRAINED JOINTS ARE NOT SPECIFIED THEN PROVIDE THRUST BLOCKS AT ALL PRESSURE LINE ANGLE POINTS PER CITY STANDARD DETAIL W-9.
8. CONTACT ENERGY OPERATION MANAGEMENT FOR ONSITE INSPECTION PRIOR TO ANY CONSTRUCTION NEAR THE EXISTING GAS MAIN LOCATED IN LOUISE AVENUE.
9. WARNING – 30" CASING INSTALLATION FOR FUTURE SS WILL ENCOUNTER HIGH GROUND WATER. DEWATERING WILL BE REQUIRED.
10. 30" CASING IS SHOWN AT APPROXIMATE ELEVATION. ACTUAL ELEVATION OF INSTALLATION WILL BE PROVIDED BY THE CITY AT A LATER UNSPECIFIED DATE.

WARNING • CAUTION

EXISTING UNDERGROUND UTILITIES
CONTACT: UNDERGROUND SERVICE ALERT
PHONE: (800) 642-2444
FOR MARKING PRIOR TO DIGGING

REGISTERED PROFESSIONAL ENGINEER ROBERT E. LASHELLS JR. 56,684 EXPIRES: 06-30-05 CIVIL STATE OF CALIFORNIA

REVISIONS NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL APPROVED BY	DATE

MACKAY & SOMPS
INFRASTRUCTURE GROUP
ENGINEERS • PLANNERS • SURVEYORS
SAN RAMON, CA 94583
PH: (925) 901-1190 FAX: (925) 901-1195

DESIGNED UNDER THE SUPERVISION OF:
BY: ROBERT E. LASHELLS JR.
EXPIRES: JUNE 30, 2005

OFFSITE PLANS
12" RECYCLED WATER LINE
PLAN & PROFILE
DEPARTMENT OF PUBLIC WORKS
CITY OF LATHROP, CALIFORNIA

DATE: DECEMBER 2004
SCALE: 1"=40'H:1"=4'V
DRAWN BY: JBM
DESIGNED BY: GSJ
CHECKED BY: RRB/REL

APPROVED BY: DATE: 12-22-04
CITY ENGINEER
LATHROP, CALIFORNIA

PROJECT NO. 11345-00
DRAWING NO. PP13
SHEET 16 OF 18