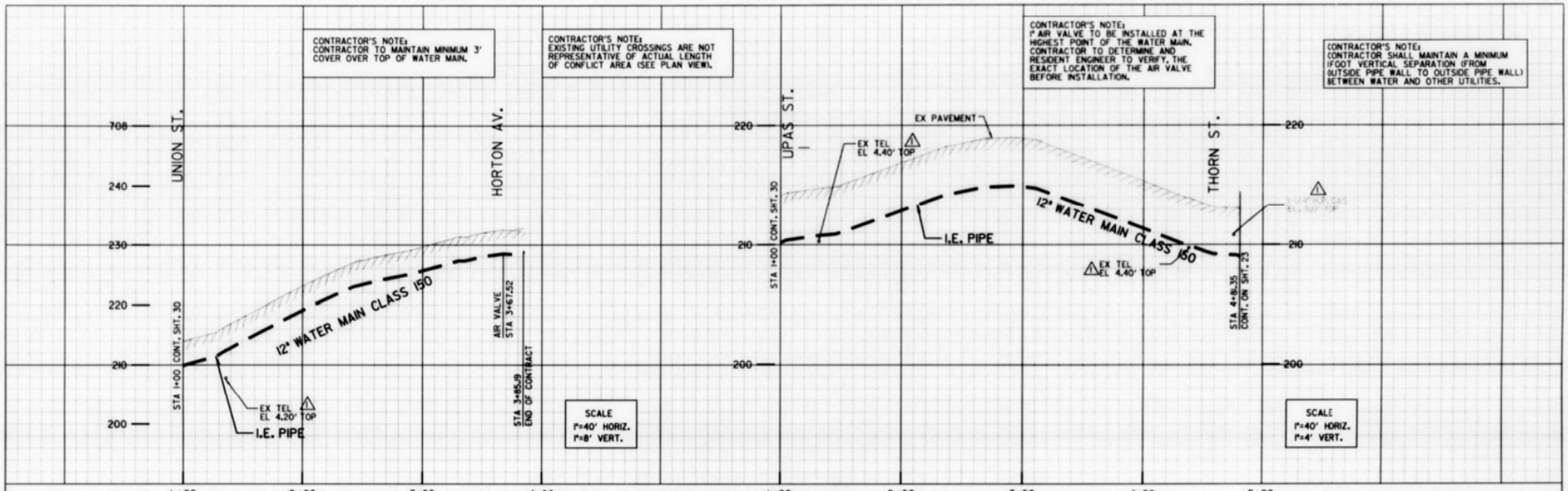


CAUTION!!!!!!
LOW OVERHEAD POWER LINES IN ENTIRE PROJECT AREA.

ENVIRONMENTAL NOTE
ARCHAEOLOGICAL MONITORING REQUIRED DURING EXCAVATION SEE APPENDIX "A" OF CONTRACT DOCUMENTS.

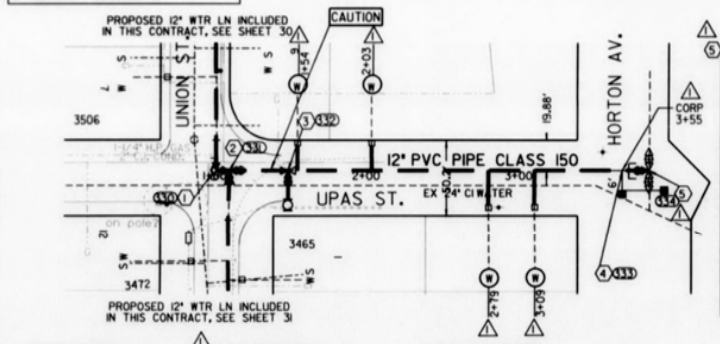
NOTE: UPAS ST. SHALL BE HIGHLINED BY CITY FORCES PRIOR TO THE BEGINNING OF CONSTRUCTION. CITY FORCES TO PROVIDE THE CONSTRUCTION MATERIALS. CITY WILL TRANSFER SERVICES.

CONTRACTOR'S NOTE:
CONTRACTOR SHALL MAINTAIN A MINIMUM 4 FEET HORIZONTAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN SEWER AND WATER.

NOTE: UNION ST. SHALL BE HIGHLINED BY CITY FORCES PRIOR TO THE BEGINNING OF CONSTRUCTION. CITY FORCES TO PROVIDE THE CONSTRUCTION MATERIALS.

PROPOSED 12" WTR LN INCLUDED IN THIS CONTRACT, SEE SHEET 31

COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
430	1850480.5	6277133.29	8" 90° ELBOW
431	1850415.41	6277140.53	12" TEE
432	1850438.14	6277171.83	6" FH ASSEMBLY
433	1850572.65	6277356.96	1" AIR VALVE
434	1850577.74	6277364.05	12" TEE



1 BY CITY FORCES
AHEAD OF CONTRACTOR CUT & PLUG AS INDICATED.
BY CONTRACTOR
FURNISH & INSTALL
STA. 1+00
1- 8" 90° ELBOW (F,MJ) LT,BK

2 BY CONTRACTOR
FURNISH & INSTALL
STA. 1+8.95
1- 12" TEE (F,F,F) BK,AHD,RT
3- 12" VALVE (F,MJ) BK, AHD, RT
1- 12" X 8" REDUCER (F,F) AHD
ALIGN REDUCER WITH 8" 90° ELBOW

3 BY CONTRACTOR
FURNISH & INSTALL
STA. 1+47.63
1- 12" X 12" X 6" TEE (F,F,F) BK.,AHD,RT
1- 6" FH ASSEMBLY (M - 10)

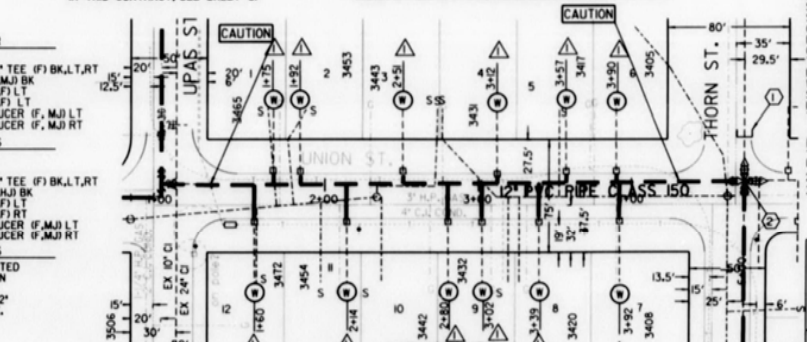
4 BY CONTRACTOR
FURNISH & INSTALL
STA. 3+67.52
1-1" AIR & VACUUM VALVE

5 BY CONTRACTOR
FURNISH
1 - 12" x 12" x 12" TEE (F) BK,LT,RT
1 - 12" VALVE (F,MJ) BK
1 - 12" VALVE (F,F) LT
1 - 12" VALVE (F,F) LT
1 - 12" x 10" REDUCER (F, MJ) LT
1 - 12" x 10" REDUCER (F, MJ) RT

BY CITY FORCES
INSTALL
STA. 3+85.19
1 - 12" x 12" x 12" TEE (F) BK,LT,RT
1 - 12" VALVE (F,MJ) BK
1 - 12" VALVE (F,F) LT
1 - 12" VALVE (F,F) RT
1 - 12" x 10" REDUCER (F,MJ) LT
1 - 12" x 10" REDUCER (F,MJ) RT

BY CITY FORCES
PLUG AS INDICATED AFTER NEW MAIN HAS BEEN ACCE. CONNECT NEW 12" MAIN TO 12" TEE.

SCALE 1"= 40'



1 BY CITY FORCES
AHEAD OF CONTRACTOR CUT & PLUG AS INDICATED AHEAD OF PHASE III AFTER NEW WATER MAINS HAVE BEED ACCEPTED CONNECT NEW MAINS TO NEW 12" X 8" CROSS.

2 BY CONTRACTOR
FURNISH & INSTALL
STA. 6+49.56
1- 12" X 12" X 12" X 12" CROSS (F) LT,RT,BK,AHD
1- 12" VALVE (F,F) AHD
1- 12" VALVE (F,MJ) BK
1- 12" VALVE (F,F) LT
1- 12" VALVE (F,MJ) RT
1- 12" X 8" REDUCER (F,MJ) AHD
1- 12" X 8" REDUCER (F,MJ) LT
AFTER ACCEPTANCE OF NEW MAIN CONNECT NEW CROSS TO NEW MAIN IN THORN ST. AT END OF PHASE III.

PROPOSED 12" WTR LN INCLUDED IN THIS CONTRACT, SEE SHEET 23

SCALE 1"= 40'

HIGHLINING PHASE III

HIGHLINING PHASE III

REFERENCE:

BENCH MARK: SWBP REDWOOD ST AND COLUMBIA ST. EL=147.24 MSL NGVD29 (FEET)
FIELD NOTES: HACKNEY/McCORMICK, 206-1713, II-12-97/ 9-1-2000 WO18379I(W), WO17406I(S) 6 THRU 77.
WATER: 8523-D, 2564-I-L, 558-W, 5929-L
SEWER: 2564-L, 2566-L, 2567-L, 3793-L.
STORM DRAIN:
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS: 2564-L
WATER FIELD BOOK: 719S
SEWER FIELD BOOK: 719S
100' SCALE: 720S A
THOMAS BROS.: 1268

RETIREMENTS:

LENGTH	SIZE	TYPE	YEAR INSTALLED
284.93'	10"	CI PIPE	1963
380'	6"	CI PIPE	1963

SEWER and WATER GROUP 673
UPAS STREET
UNION STREET
UNION ST AND HORTON AV, UPAS ST AND THORN ST.

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 31 OF 50 SHEETS

03-05-01
DATE

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL			03-12-02	
AS-BUILT PER CITY INSPECTION	YG/RD			

CONTRACTOR RITE CORPORATION DATE STARTED 03-07-02
INSPECTOR YOTAM GRUMACHER DATE COMPLETED 12-23-03

WATER W.O. 183791
SEWER W.O. 176041
CONTROL CERTIFICATION
206-1713
LAMBERT COORDINATES
28898-31-D

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

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