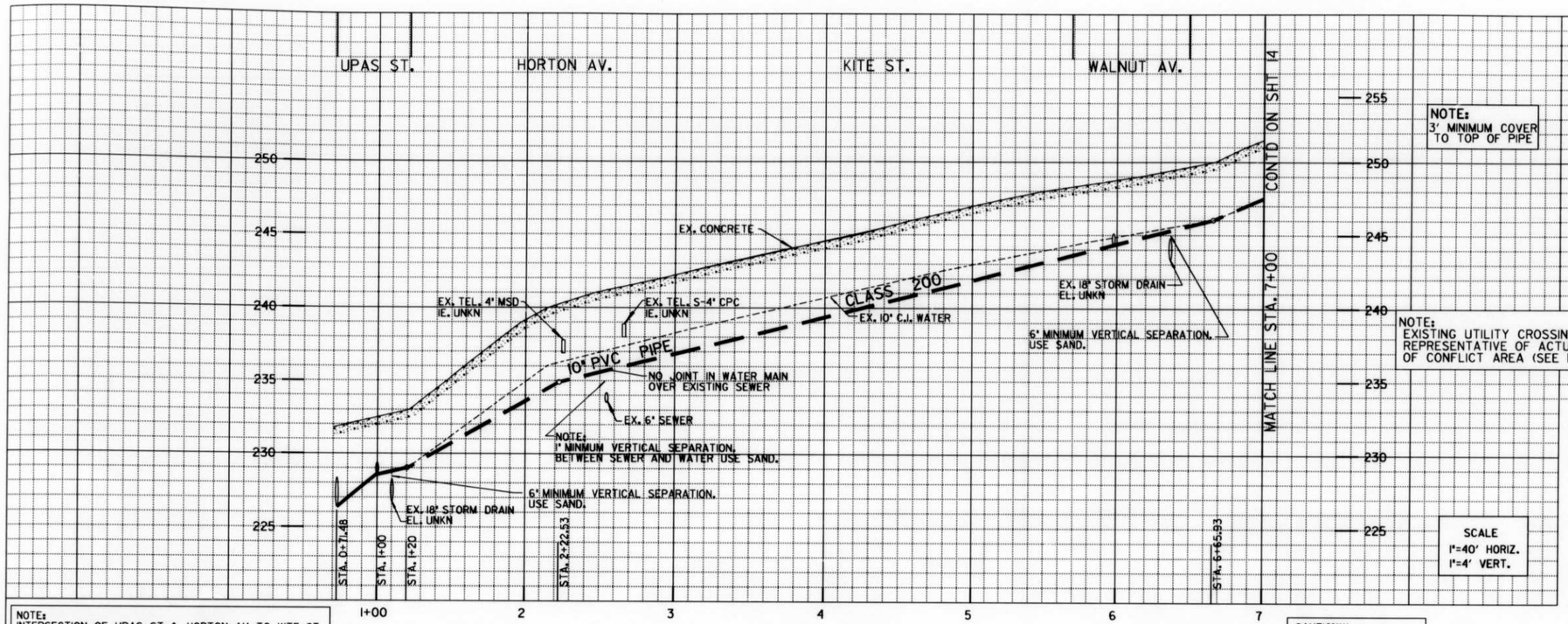
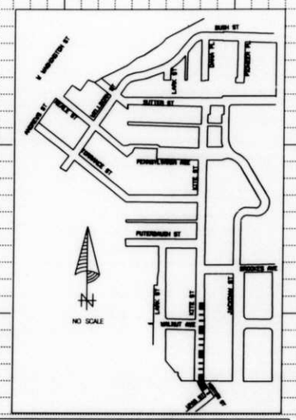


NOTE:
3' MINIMUM COVER TO TOP OF PIPE

NOTE:
EXISTING UTILITY CROSSINGS ARE NOT REPRESENTATIVE OF ACTUAL LENGTH OF CONFLICT AREA (SEE PLAN VIEW)

SCALE
1"=40' HORIZ.
1"=4' VERT.



PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
1	N36° 01'24"W		28.52'	10' PIPE
2	N36° 01'24"W		20.00'	10' PIPE
3	N36° 01'24"W		119.01'	10' PIPE
4	N00° 10'24"E		18.92'	10' PIPE
5	N00° 10'24"E		343.20'	10' PIPE
6	N01° 36'16"E		364.45'	10' PIPE

COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
(160)	N210097.84	E1715955.00	24"X24"X10" TEE
(161)	N210121.53	E1715939.85	10"X10"X10" TEE
(162)	N210137.71	E1715928.10	2" BLOW - OFF
(163)	N210233.96	E1715858.10	10" 22.5° ELBOW
(164)	N210252.88	E1715858.15	10"X10"X6" TEE
(165)	N210598.97	E1715859.35	10"X8"X10" TEE

NOTE:
INTERSECTION OF UPAS ST. & HORTON AV. TO KITE ST. SHALL BE HIGHLINED PRIOR TO START OF CONSTRUCTION. CITY TO PROVIDE ALL MATERIALS AND CITY FORCES TO MAKE ALL CONNECTIONS. BEGIN CONSTRUCTION OF PHASE I BEFORE PHASE II.

CAUTION!!!
LOW OVERHEAD POWER LINES IN THIS AREA

(1) BY CONTRACTOR
AHEAD OF INSTALLATION OF NEW WATER MAIN
STA. 0+71.48
FURNISH
1 - 24"X24"X10" TEE (F,F,F)
2 - 24" BUTTERFLY VALVE, (CLASS 250B) (F,F)
1 - 10" VALVE (F,MJ) AHD
1 - 10" 22.5° ELBOW (F,F,)
1 - 10" 11.25° ELBOW (F,F)
2 - 24" COUPLINGS
2 - 10" COUPLINGS
2 - 24" FLANGE BY PLAN INSPOOL

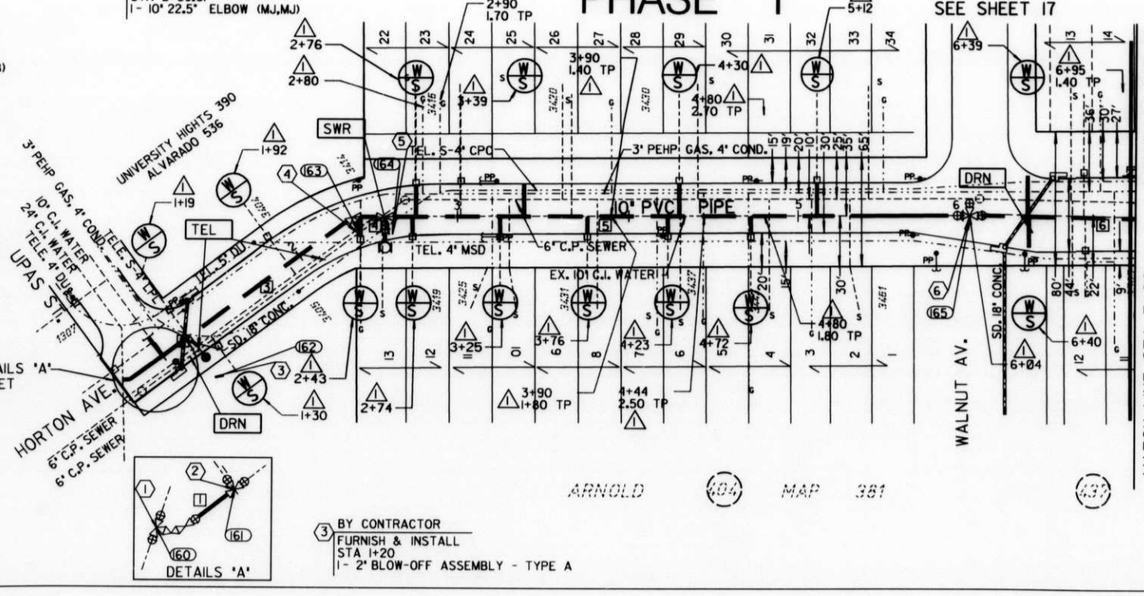
BY CITY FORCES
STA. 0+71.48
INSTALL
1 - 24"X24"X10" TEE (F,F,F) LT,RT,AHD
2 - 24" BUTTERFLY VALVE, (CLASS 250B) (F,F) LT,RT
1 - 10" VALVE (F,MJ) AHD
1 - 10" 22.5° ELBOW (F,F)
1 - 10" 11.25° ELBOW (F,F)
2 - 24" COUPLINGS
2 - 10" COUPLING
2 - 24" FLANGE BY PLAN INSPOOL
CLOSE 10" VALVE AHD

(2) BY CITY FORCES
AHEAD OF CONTRACTOR
STA 1+00, 10' TO LT
CUT & PLUG EX. 10" C.I.

BY CONTRACTOR
FURNISH & INSTALL
STA 1+00
1 - 10"X10"X10" TEE (MJ,F,F) BK,LT,AHD
2 - 10" VALVE (F,MJ) LT,AHD

BY CITY FORCES
AFTER ACCEPTANCE OF NEW MAIN IN PHASE I, MAKE CONNECTION, CLOSE 10" VALVE LT

(4) BY CONTRACTOR
FURNISH & INSTALL
STA 2+39.01
1 - 10" 22.5° ELBOW (MJ,MJ)



(3) BY CONTRACTOR
FURNISH & INSTALL
STA 1+20
1 - 2" BLOW-OFF ASSEMBLY - TYPE A

(5) BY CONTRACTOR
FURNISH & INSTALL
STA. 2+57.93
1 - 10"X10"X6" TEE (MJ,MJ,F) BK,AHD,RT
1 - 6" FH ASSEMBLY RT (W-10)

(6) BY CONTRACTOR
FURNISH & INSTALL
STA 6+04
1 - 10"X8"X10" TEE (F,F,F) BK,AHD,LT
2 - 10" VALVE (F, MJ) BK AHD
1 - 8" VALVE (F,MJ) LT

SCALE
1"= 40'

REFERENCE:

BENCH MARK:	NWBP KITE & PUTERBAUGH MSL NGVD29 EL = 266.63
FIELD NOTES:	BROOKS, 9/04/97, W.O.17471
WATER:	2574-L
SEWER:	208-D
STORM DRAIN:	2572-L
GAS:	2-173,179
ELECTRIC:	210-1713
CABLE TV:	---
TELEPHONE:	---
IMPROVEMENTS:	1045-L
WATER FIELD BOOK:	F19S
SEWER FIELD BOOK:	F19S
100' SCALE:	210-1713
THOMAS BROS.:	1268

RETIREMENTS:
600' 10" C.I. WATER (1964 YEAR INSTALLED)

PHASE I

SEWER and WATER GROUP JOB 674

HORTON AVENUE / KITE STREET

STA. 0+71.48 to STA. 7+00

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 16 OF 24 SHEETS

WATER W.O. 183801
SEWER W.O. 174071

APPROVED: 4-7-99 DATE — CITY ENGINEER
SUBMITTED BY: ASSISTANT ENGINEER
DESIGNED: PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JV/RM/RC			
AS-BUILT PER CITY INSPECTOR	RS/VP			

CONTROL CERTIFICATION
208-1713
LAMBERT COORDINATES
28899-16-D

CONTRACTOR ORTIZ CORP. DATE STARTED 1-99
INSPECTOR RENATO SHAFFER DATE COMPLETED 10-00

AS-BUILT

HORTON AV/KITE ST. STA. 0+71.48 TO 7+00

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

0 1 2 3 4 IN.