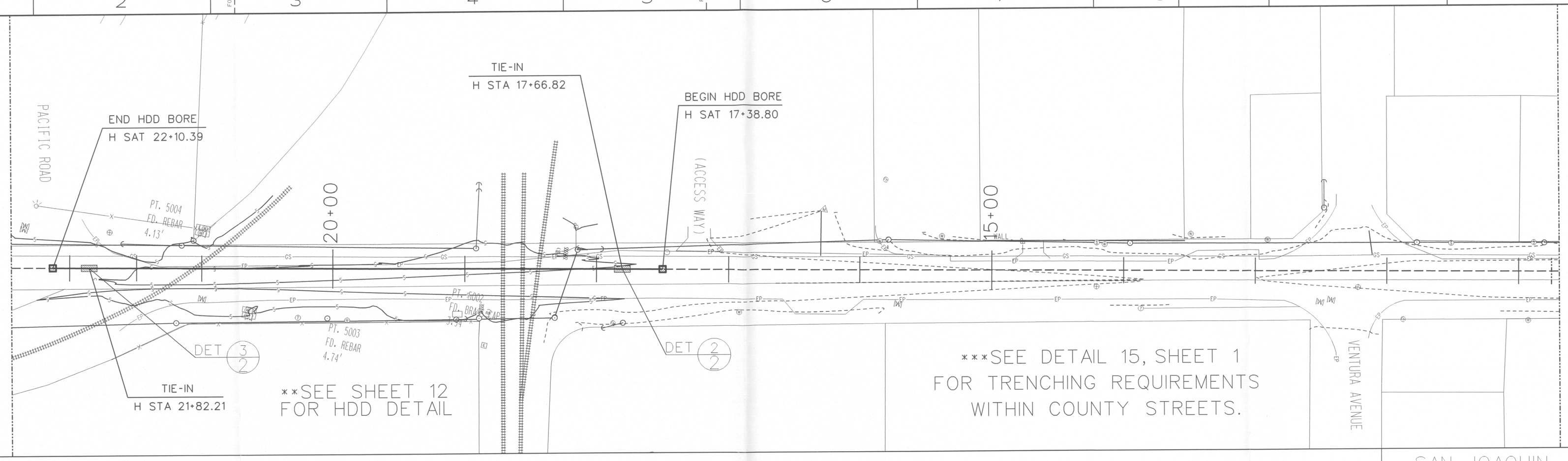
FP 08-1637-3

SURVEY PLAN

HORIZONTAL CONTROL, REFERENCE POINTS (RP):



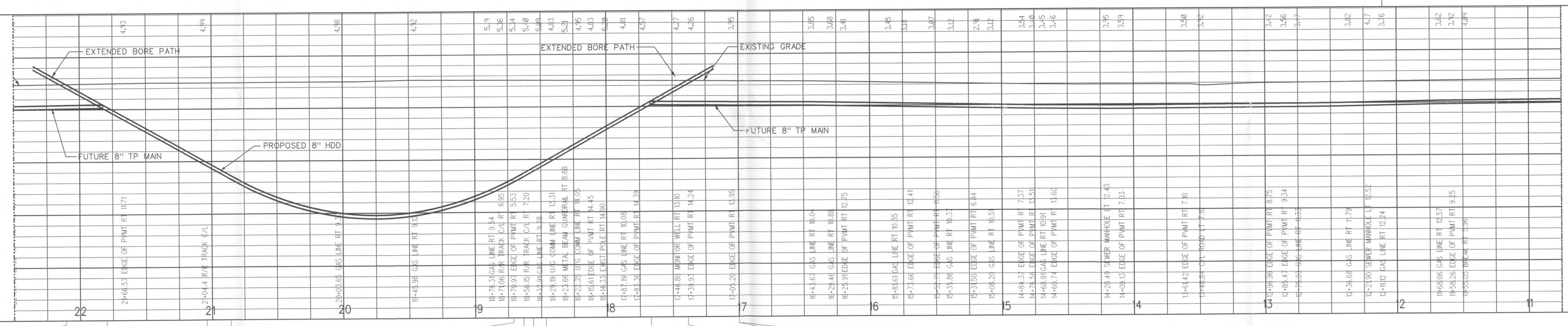
R/W NO.
OWNERSHIP
PAPERS

CITY OF STOCKTON

SAN JOAQUIN COUNTY

SURVEY PROFILE

ELEVATION DATUM:
LOCATION OF BENCH MARK:



PIPELINE DETAILS
STATIONING

END HDD BORE	H STA 22+10.39
CATCH POINT EL OB 8.1° TIE-IN	H STA 21+82.21 P STA 21+87.98
R/R C/L	H STA 21+04.40 H STA 21+09.40
END CURVE	H STA 20+86.09 P STA 20+90.91
R/R C/L	H STA 19+71.06 P STA 19+75.17
BEGIN CURVE	H STA 19+63.51 P STA 19+67.62
R/R C/L	H STA 18+56.15 P STA 18+60.19
R/R C/L	H STA 18+44.26 P STA 18+45.13
CATCH POINT EL OB 8.1° TIE-IN	H STA 17+66.82 P STA 17+66.93
BEGIN HDD BORE	H STA 17+38.80
PIPELINE MARKER (DETAIL 7)	H STA 17+00.00 P STA 17+00.11
TYPE "A" ETS (DETAIL 9)	H STA 17+00.00 P STA 17+00.11

NOTES:

1. CALL USA AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION (800) 227-2600.
2. LOCATION OF EXISTING SUBSTRUCTURES ARE APPROXIMATE. BEFORE POWER OR HEAVY EQUIPMENT IS USED FOR EXCAVATION, THE EXACT DEPTH AND LOCATION OF SUBSTRUCTURES SHALL FIRST BE DETERMINED BY HAND EXCAVATION IF NECESSARY.
3. ALL BENDS ARE SMOOTH FIELD BENDS EXCEPT WHERE ELBOWS ARE NOTED. FIELD BEND SHALL BE MADE IN ACCORDANCE WITH GAS STANDARD A-36 SECTION 4-D.
4. ALL ANGLES SHOWN IN THE PLAN AND PROFILE ARE APPROXIMATE SHALL BE CUT TO SUIT FIELD CONDITIONS.
5. THIS PIPELINE MUST BE INSTALLED WITH AT LEAST 12 INCHES OF CLEARANCE FROM ANY OTHER UNDERGROUND STRUCTURE NOT ASSOCIATED WITH THE PIPELINE.

HYDROSTATIC TEST REQUIREMENTS

HYDROSTATIC TESTING SHALL MEET PRESSURE AND DURATION REQUIREMENTS OF GAS STANDARD A-34 AND SHALL BE CONDUCTED IN ACCORDANCE WITH GAS STANDARD A-37.

PAINTING AND COATING REQUIREMENTS

ALL EXPOSED PIPE AND FITTINGS ARE TO BE PAINTED IN ACCORDANCE WITH GAS STANDARD E-30.

ALL COATING ON BURIED PIPE AND FITTINGS ARE TO BE APPLIED IN ACCORDANCE WITH GAS STANDARD E-35.

FOR COATING SELECTIONS ON BURIED PIPE SEE DIRECT BURIAL SELECTIONS TABLE.

DIRECT BURIAL SELECTIONS

TIE-IN WELDS:	PROTAL 7200
MAIN LINE COATING:	FBE
GIRTH WELD COATING:	PROTAL 7200
FITTING COATING:	WAX TAPE
MINOR REPAIRS:	PROTAL 7200
TRANSITION ZONES:	PCJ

ROPING TABLE

MIN DISTANCE REQUIRED TO ROPE AN OFF-SET OF 8.625" OD x 0.188" WT API-5L, X52 ERW PIPE: MIN ROPING RADIUS= 337.2"

Y	X	Y	X
1.0	37	3.0	64
1.5	45	3.5	69
2.0	52	4.0	73
2.5	58	5.0	82

WELDING INSPECTED PER PG&E GAS STANDARD D-40

VISUAL _____ ☐
MAGNETIC PARTICLE _____ ☐
INSPECTOR _____
DATE _____

UNDERGROUND SERVICE ALERT USA
CALL BEFORE YOU DIG
CALL 1-800-227-2600

NOTIFIED U.S.A.
DATE TICKET NO. BY

L

MICROFILM

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
1	1-17-08	ISSUED FOR CONSTRUCTION					

REVISIONS

PSRS ID #18825

APPROVED BY	
SO	30516441
SUPV	LXN
DSGN	KJT
DWN	KJT
CHKD	MAN
OK	
DATE	1-17-08
SCALES	1" = 40'

PACIFIC ETHANOL
DFM INSTALLATION
WASHINGTON AVE. @ NAVY DR.
STOCKTON, SAN JOAQUIN COUNTY

CALIFORNIA GAS TRANSMISSION
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

BILL OF MATL	SHEET 11
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO.	5 OF 12
SHEETS	
REV	1

30516441

FILENAME: .DGN - -04

N1808

...\30516441\PacEth11-13-07.dgn 2/13/2008 9:55:30 AM