

JOB NO. 87-5303

PART - I

[illegible]

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
WATER

DRAWING NUMBER

PLANNED CORPORATION - BAYVIEW, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
EXPIRATION DATE: 12/31/2000

PLANNED CORPORATION - BAYVIEW, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
EXPIRATION DATE: 12/31/2000

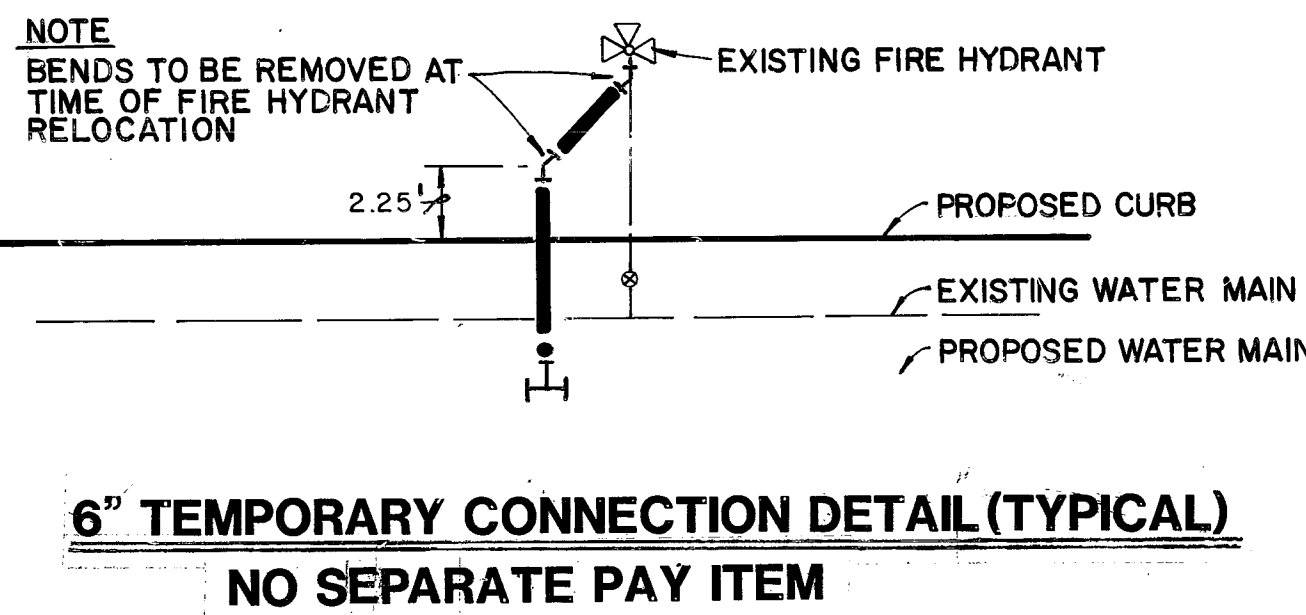
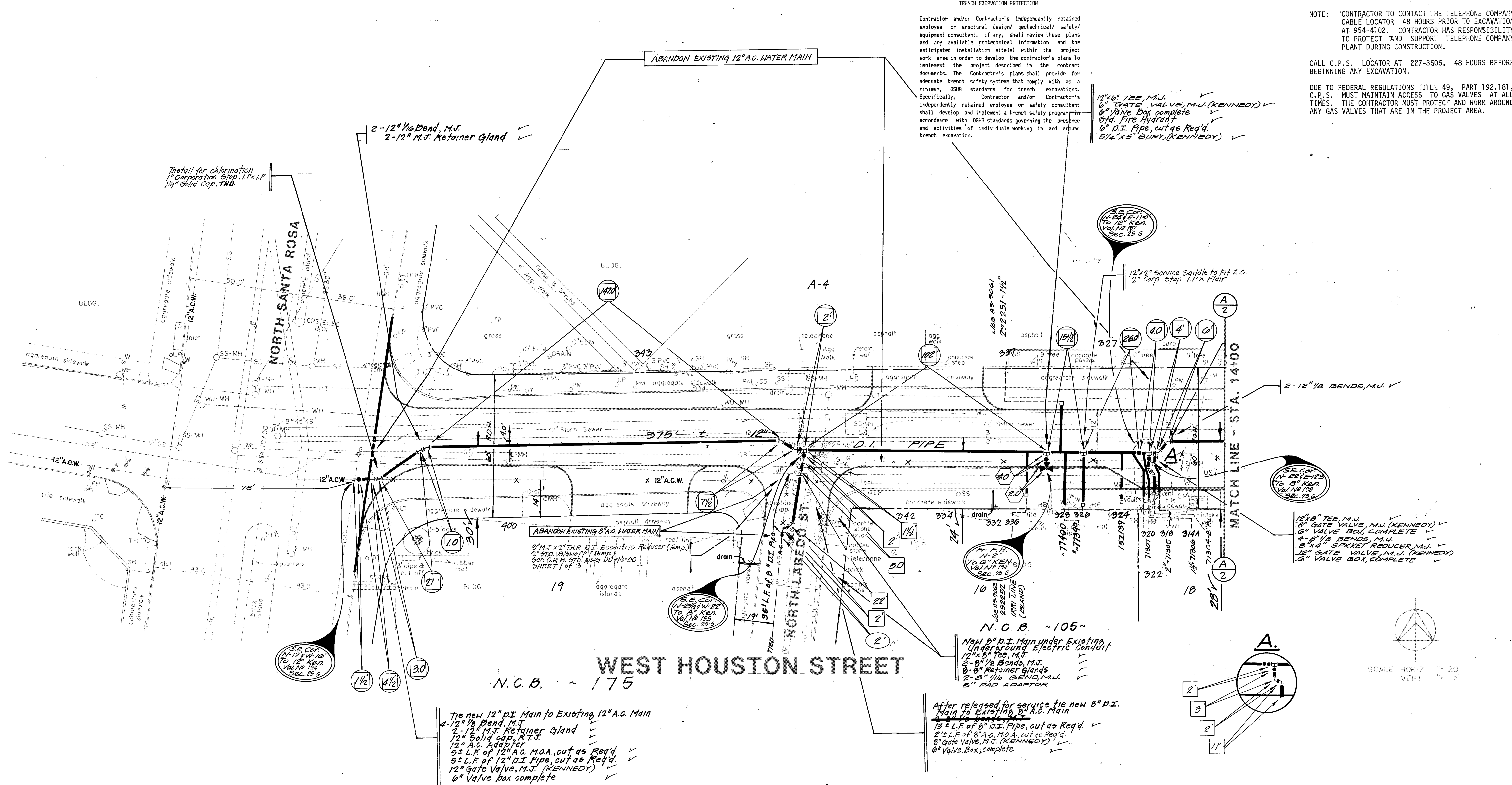
PLANNED CORPORATION - BAYVIEW, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
EXPIRATION DATE: 12/31/2000

PLANNED CORPORATION - BAYVIEW, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
EXPIRATION DATE: 12/31/2000

DOWNTOWN TRIPARTY



1106805



TRENCH EXCAVATION PROTECTION
Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION."
CALL C.P.S. LOCATOR AT 227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

LEGEND			
PROP. WATER MAIN	6" C.W.		
EXIST. WATER MAIN	2" G		
GAS MAIN	8" SA		
SANITARY SEWER	24" ST		
STORM SEWER			
UTILITY POLE LINE			
ELECTRIC CABLE			
TELEPHONE CABLE			
RESISTIVITY READING			
NEW SERVICE:			
3/4"			
1" OR LARGER			
SERVICE RECONNECT:			
3/4"			
1" OR LARGER			
SERVICE RELAY:			
3/4"			
1" OR LARGER			
SERVICE RELOCATE:			
3/4"			
1" OR LARGER			
RELOCATE METER			

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	APPENDIX NO. 3		
2	FIELD ALTERATION NO. 1		
3	FIELD ALTERATION NO. 1 REVISED		

CITY OF SAN ANTONIO WATER BOARD		DOWNTOWN TRIPARTY PROJECT HOUSTON STREET AREA	
DEVELOPER	C.W.B.	BUDGET PROJ.	#34, #37
CONT.		SUBMITTED	REMANUEL, FRAZEE, WHITE ASSOC.
APPROVED		DATE	11/11/88
MAP NO.	158-578, 180-578	SHEET	CWB-01
SECTION NO.	25-G	JOB NO.	87-5305
DR.	CH.	OF	21

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0248
POSITION (SEE LIST OF PAGES ON THIS SHEET)

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0248
POSITION (SEE LIST OF PAGES ON THIS SHEET)

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0248
POSITION (SEE LIST OF PAGES ON THIS SHEET)

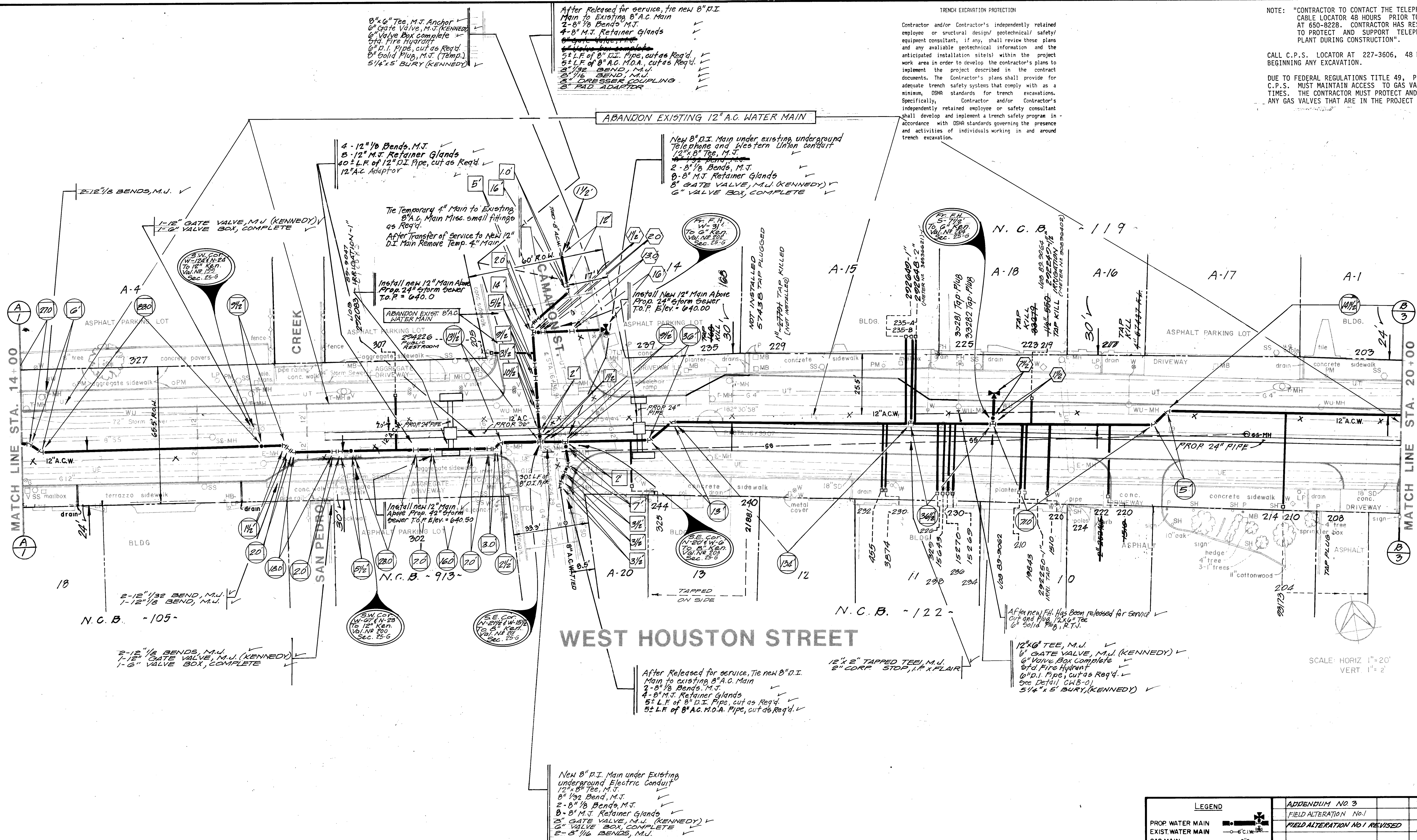
DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0248
POSITION (SEE LIST OF PAGES ON THIS SHEET)

DOWNTOWN TRIPARTY



1105304



TRENCH EXCAVATION PROTECTION
Contractor and/or Contractor's independently retained employee or structural design/ geotechnical/ safety/ equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

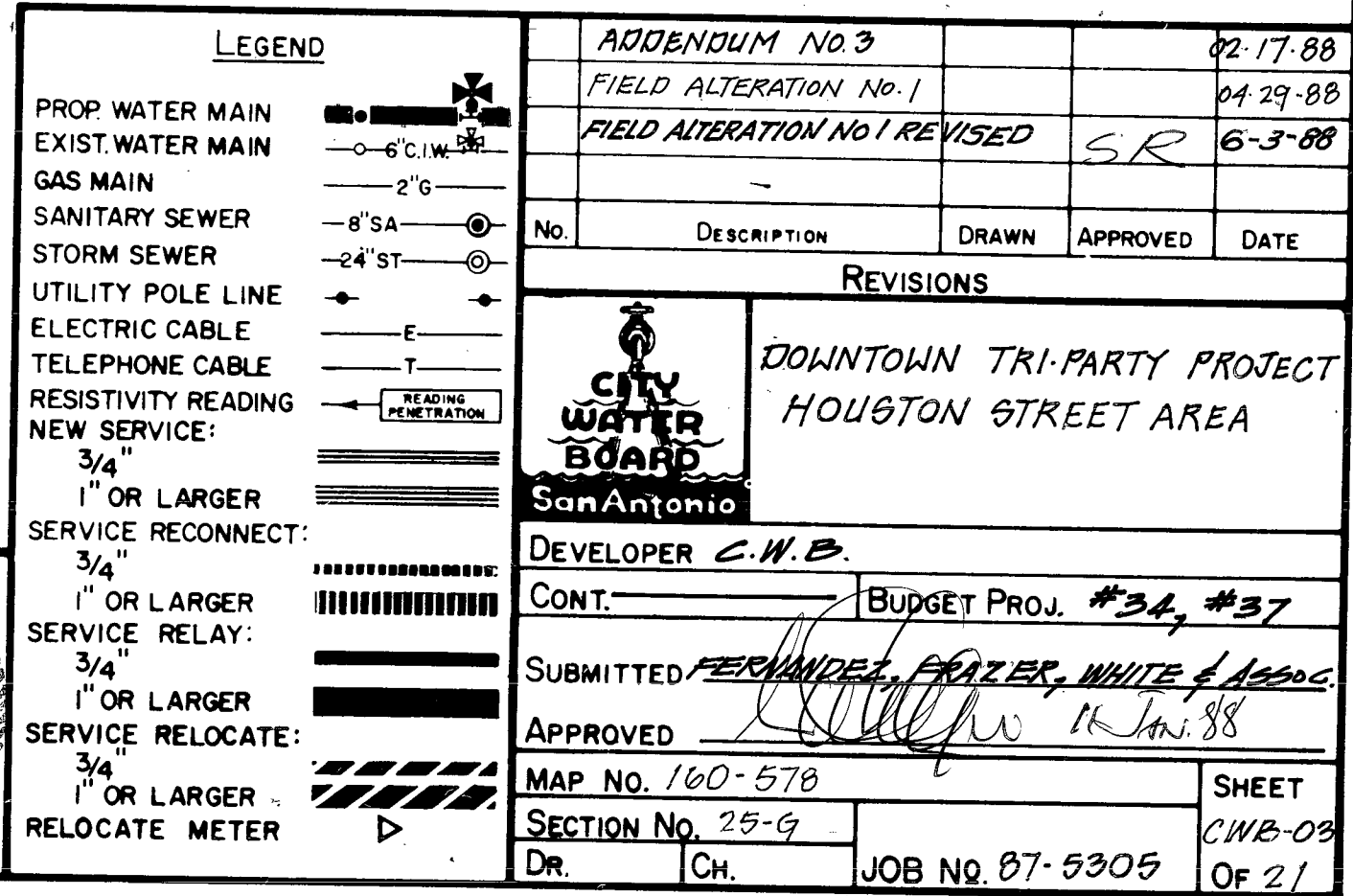
NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 650-8228. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION".
CALL C.P.S. LOCATOR AT 227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

LEGEND

PROP. WATER MAIN	— 6" C.W. —
EXIST. WATER MAIN	— 2" G —
GAS MAIN	— 8" SA —
SANITARY SEWER	— 24" ST —
STORM SEWER	— T —
UTILITY POLE LINE	— E —
ELECTRIC CABLE	— T —
TELEPHONE CABLE	— T —
RESISTIVITY READING	— T —
NEW SERVICE:	3/4"
SERVICE RECONNECT:	3/4"
SERVICE RELAY:	3/4"
SERVICE RELOCATE:	3/4"
RELOCATE METER	3/4"

APPENDIX NO. 3		02-17-80		
FIELD ALTERATION NO. 1		04-29-80		
FIELD ALTERATION NO. 1 REVISED		06-03-88		
No.	DESCRIPTION	DRAWN	APPROVED	DATE
REVISIONS				
CITY OF SAN ANTONIO				
DEVELOPER C.W.B.				
CONT. BUDGET PROJ. #24, #37				
SUBMITTED PERMANEL, FORTER, WHITE & ASSOC				
APPROVED				
MAP NO. 180-578				
SECTION NO. 25-9				
Dr.	Ch.	JOB NO. 87-5305		SHEET 01 OF 21

1106806



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

WATER

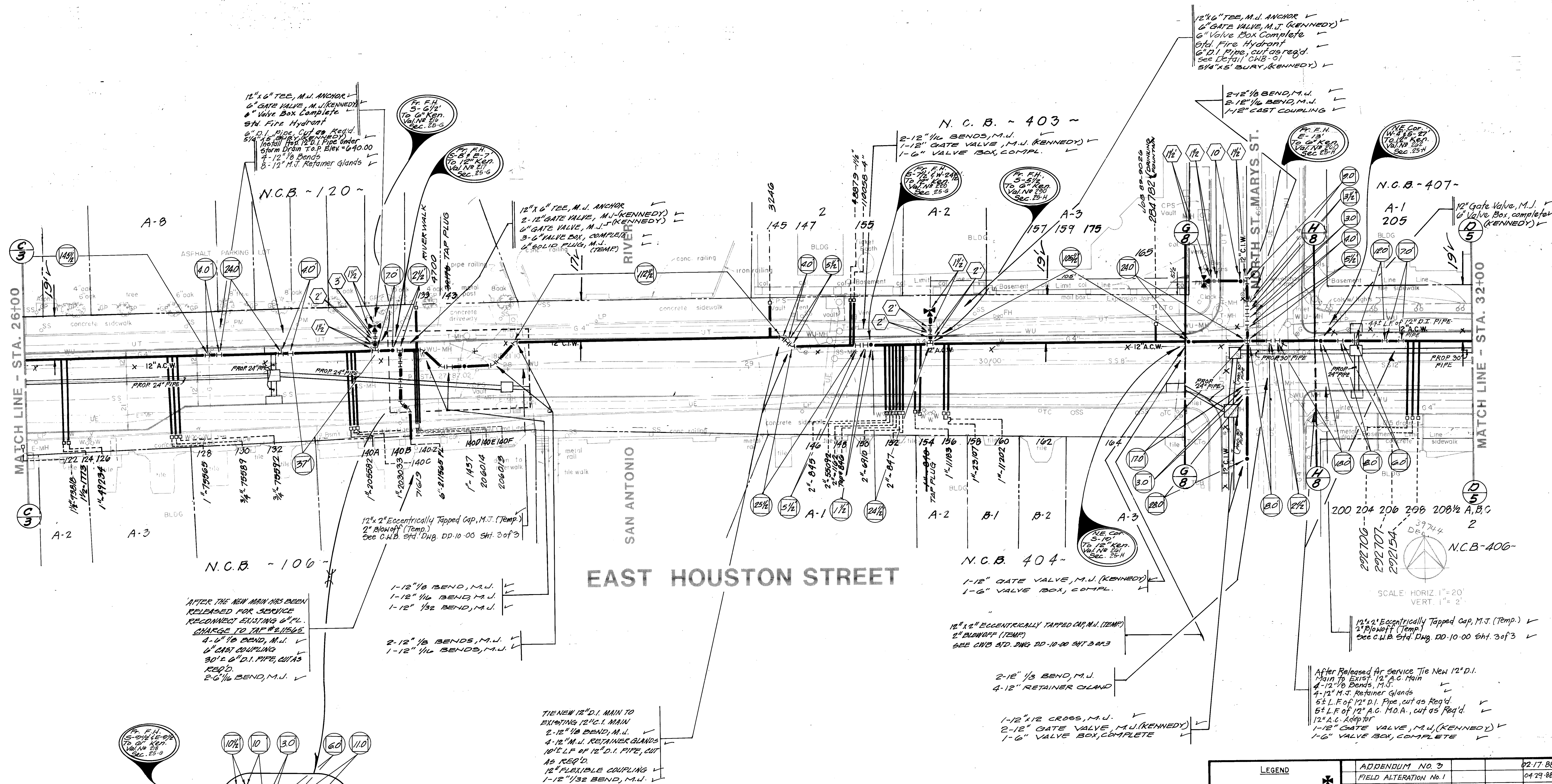
DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07549
POSITION USE IF PRINT ON THIS LINEPLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07549
POSITION USE IF PRINT ON THIS LINEPLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07549
POSITION USE IF PRINT ON THIS LINEPLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07549
POSITION USE IF PRINT ON THIS LINE

DOWNTOWN TRIPARTY



110537



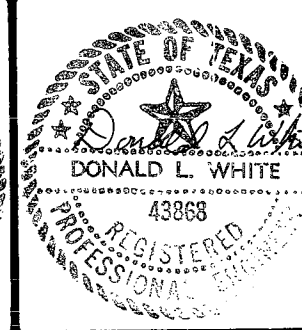
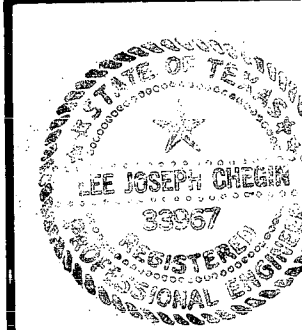
TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

NOTE: 'CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION'

CALL P.S. LOCATOR AT 227-360, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATION, TITLE 49, PART 192.101, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.



LEGEND	
PROP. WATER MAIN	— 6" C.W. —
EXIST. WATER MAIN	— 2" G —
GAS MAIN	— 8" SA —
SANITARY SEWER	— 24" ST —
STORM SEWER	— 24" ST —
UTILITY POLE LINE	— E —
ELECTRIC CABLE	— T —
TELEPHONE CABLE	— T —
RESISTIVITY READING	— T —
NEW SERVICE:	— T —
3/4" OR LARGER	— T —
SERVICE RECONNECT:	— T —
3/4" OR LARGER	— T —
SERVICE RELAY:	— T —
3/4" OR LARGER	— T —
SERVICE RELOCATE:	— T —
3/4" OR LARGER	— T —
RELOCATE METER	— T —

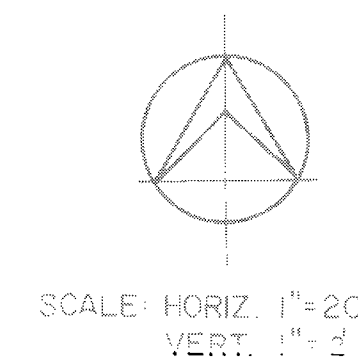
ADDENDUM NO. 3	
FIELD ALTERATION NO. 1	02-17-88
FIELD ALTERATION NO. 1	04-29-88
FIELD ALTERATION NO. 1	06-03-88

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	REVISIONS		

CITY OF SAN ANTONIO	
DOWNTOWN TRIPARTY PROJECT HOUSTON STREET AREA	
DEVELOPER	C.H.B.
CONT.	BUDGET PROJ. #34, #37
SUBMITTED	REINHOLD, FRITZER, WHITE & ASSOC.
APPROVED	11 Jan 88
MAP NO.	100-578
SECTION NO.	259
DR.	CH.
JOB NO.	07-5305
SHEET	CWB-04 OF 21

DRAWING NUMBER

PLANNED HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 0754R

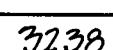


DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

1106808

<div><div>LEGEND</div><div><div><div>PROP. WATER MAIN</div><div>EXIST. WATER MAIN</div><div>GAS MAIN</div><div>SANITARY SEWER</div><div>STORM SEWER</div><div>UTILITY POLE LINE</div><div>ELECTRIC CABLE</div><div>TELEPHONE CABLE</div><div>RESISTIVITY READING</div><div>NEW SERVICE:</div><div>3/4"</div><div>1" OR LARGER</div><div>SERVICE RECONNECT:</div><div>3/4"</div><div>1" OR LARGER</div><div>SERVICE RELAY:</div><div>3/4"</div><div>1" OR LARGER</div><div>SERVICE RELOCATE:</div><div>3/4"</div><div>1" OR LARGER</div><div>RELOCATE METER</div></div><div><div><div><div></div><div>— 6" C.W. —</div></div><div><div></div><div>2" G.</div></div><div><div></div><div>8" S.</div></div><div><div></div><div>24" ST.</div></div><div><div></div><div>E</div></div><div><div></div><div>T</div></div><div><div></div><div>T</div></div><div><div></div><div>T</div></div><div><div></div><div>T</div></div></div></div></div><div><div><div>APPENDUM NO. 3</div><div>FIELD ALTERATION NO. 1</div><div>FIELD ALTERATION NO. 2 REVISED</div></div><div><div>02-17-88</div><div>04-28-88</div><div>6-3-88</div></div></div><div><div>No.</div><div>Description</div><div>Drawn</div><div>Approved</div><div>Date</div></div><div><div>REVISIONS</div><div><div><div><div></div><div>DOWNTOWN TRI-PARTY PROJECT</div><div>HOUSTON STREET AREA</div></div><div><div>DEVELOPER C.W.B.</div><div>CONT.</div><div>SUBMITTED</div><div>APPROVED</div><div>MAP NO. 102-570</div><div>SECTION NO. 25H</div><div>DR.</div><div>CH.</div></div><div><div>Budget Proj. # 24, #37</div><div>FERNANDEZ, PRAZ ET AL, WHITE & ASSOC.</div><div>[Signature]</div><div>16 days SS</div><div>SHEET</div><div>CWB-07</div><div>OF 21</div></div></div></div></div></div>

S. R.



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
WATER

DRAWING NUMBER

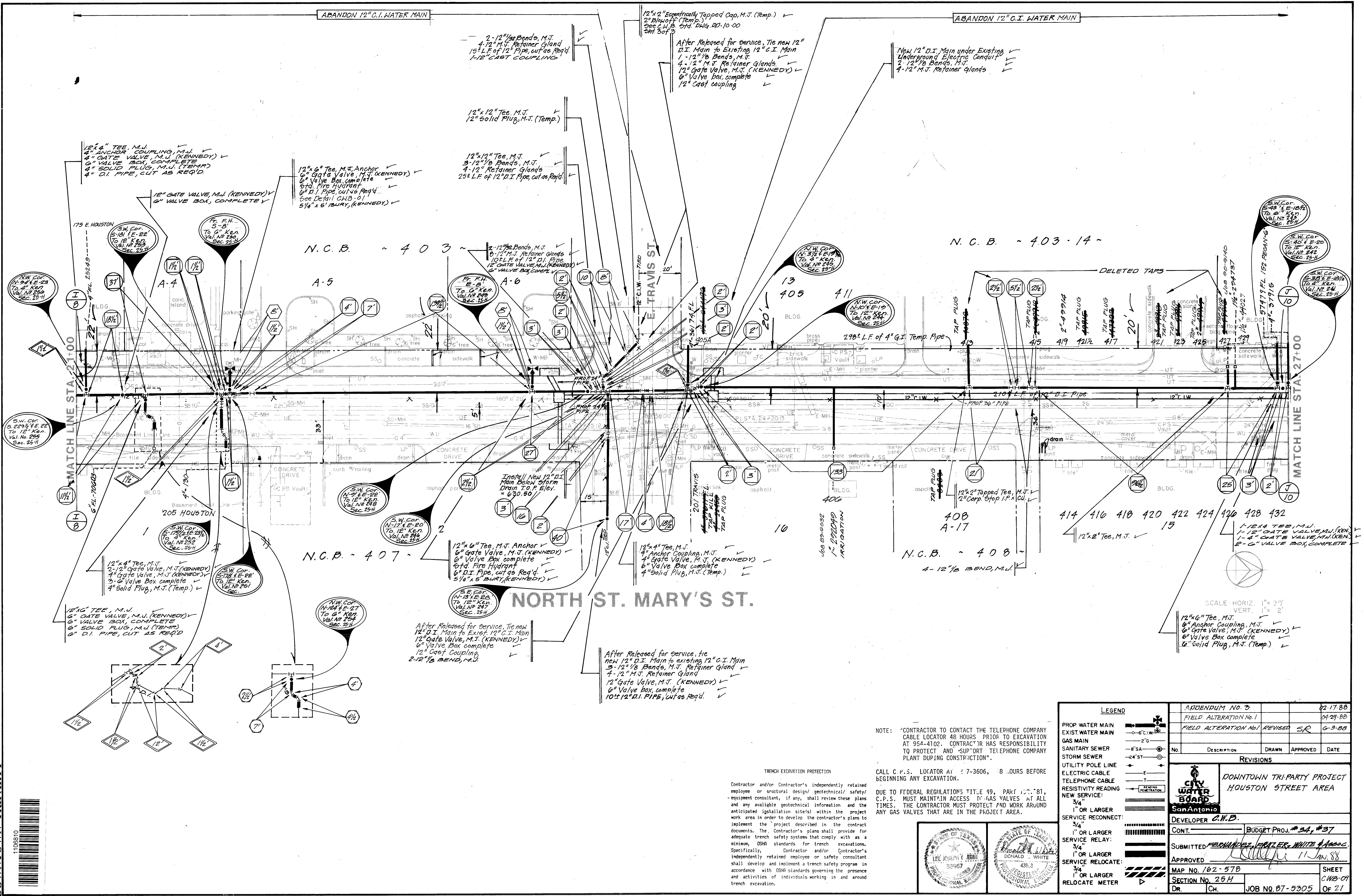
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07/84
PERSONAL USE OF PLAN OR THIS SET

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07/84
PERSONAL USE OF PLAN OR THIS SET

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07/84
PERSONAL USE OF PLAN OR THIS SET

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07/84
PERSONAL USE OF PLAN OR THIS SET

DOWNTOWN TRIPARTY



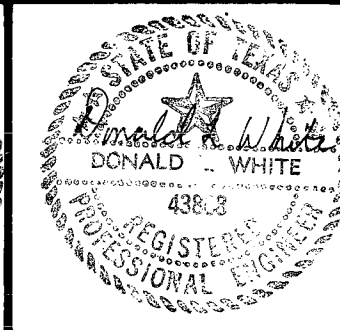
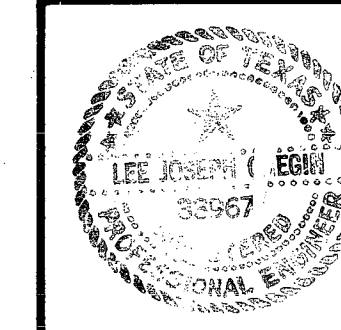
NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND 'SUPPORT' TELEPHONE COMPANY PLANT DURING CONSTRUCTION".

CALL C.P.S. LOCATOR AT 27-3606, 8 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 122.81, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

TRENCH EXCAVATION PROTECTION

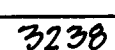
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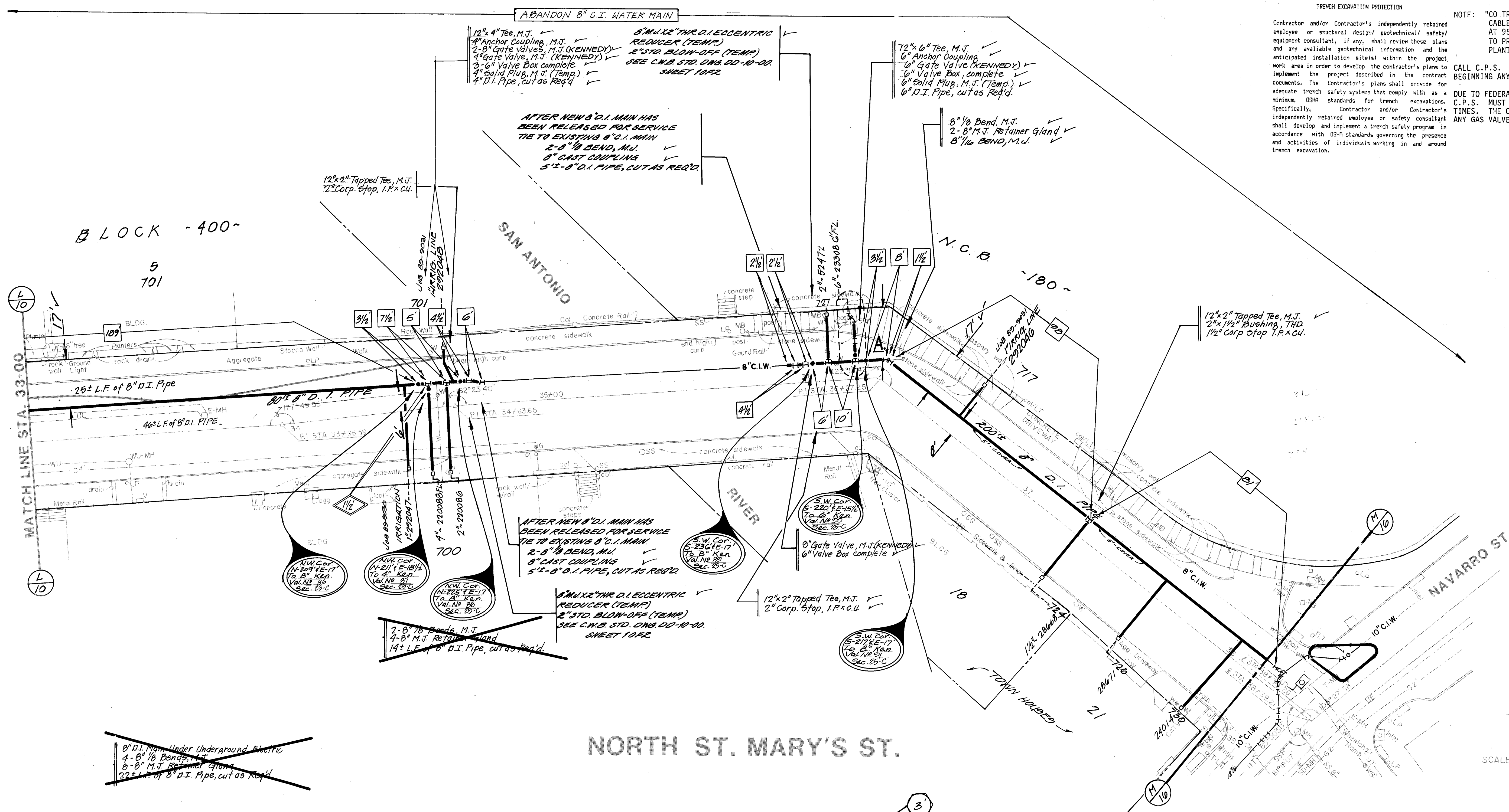
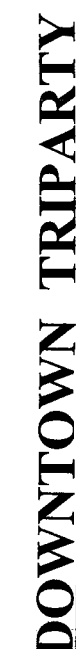


LEGEND			
PROP. WATER MAIN	— 6" C.W. 50#		
EXIST. WATER MAIN	— 2" G		
GAS MAIN	— 8" SA		
SANITARY SEWER	— 24" ST		
STORM SEWER	—		
UTILITY POLE LINE	—		
ELECTRIC CABLE	—		
TELEPHONE CABLE	—		
RESISTIVITY READING	—		
NEW SERVICE:			
1" OR LARGER	—		
SERVICE RECONNECT:	—		
3/4"	—		
1" OR LARGER	—		
SERVICE RELAY:	—		
3/4"	—		
1" OR LARGER	—		
SERVICE RELOCATE:	—		
3/4"	—		
1" OR LARGER	—		
RELOCATE METER	—		

REVISIONS			
NO.	DESCRIPTION	DRAWN	APPROVED

DOWNTOWN TRIPARTY PROJECT HOUSTON STREET AREA			
DEVELOPER C.W.D.		BUDGET PROJ. #34, #37	
CONT.		SUBMITTED <u>REYNOLDS, HAZLER, WHITE & ASSOC.</u>	
APPROVED <u>[Signature]</u>		DATE <u>11/1/88</u>	
MAP NO. 102-570		SHEET	
SECTION NO. 25H		CWB-01	
DR. CH. JOB NO. 87-5305		OF 21	





Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to install the project described in the contract. The contractor shall ensure that the contract provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence of trenching activities on individuals working in and around trench excavation.


NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY
CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION
AT 954-4702. CONTRACTOR HAS RESPONSIBILITY
TO PROTECT AND SUPPORT TELEPHONE COMPANY
PLANT DURING CONSTRUCTION".

CALL C.P.S. LOCATOR AT 227-3606, 48 HOURS BEFORE
BEGINNING ANY EXCAVATION.

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SCALE - HORIZ. 1" = 20'
VERT. 1" = 2'

LEGEND		ADDENDUM NO. 3		02-17-88
PROP WATER MAIN	— 6" CW —	FIELD ALTERATION No. 1		04-29-88
EXIST. WATER MAIN	— 2" G —	<u>FIELD ALTERATION No. 1</u> REVISED <u>S R</u>		06-13-88
GAS MAIN	— 8" SA —			
SANITARY SEWER	— 24" ST —			
STORM SEWER	— E —			
UTILITY POLE LINE	— T —			
ELECTRIC CABLE	— FIBER OPTIC PENETRATION —			
TELEPHONE CABLE				
RESISTIVITY READING				
NEW SERVICE:				
3/4"				
1" OR LARGER				
SERVICE RECONNECT:				
3/4"				
OR LARGER				
SERVICE RELAY:				
3/4"				
1" OR LARGER				
SERVICE RELOCATE:				
3/4"				
1" OR LARGER				
RELOCATE METER				

REVISIONS				
 CITY OF SAN ANTONIO WATER BOARD		DOWNTOWN TRI-PARTY PROJECT HOUSTON STREET AREA		
San Antonio				
DEVELOPER C.N.P.				
CONT:		BUDGET PROJ. #34, #37		
SUBMITTED		ENCLOSURES 65, WHITE & Assoc.		
APPROVED		11/28/88		
MAP NO. 762-50D				
SECTION NO. 288 C				
DR.		CH.		JOB NO. 87-5305
				SHEET CWIS-11 OF 21

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548
PROPOSED LINE OF PAVEMENT

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548
PROPOSED LINE OF PAVEMENT

DRAWING NUMBER

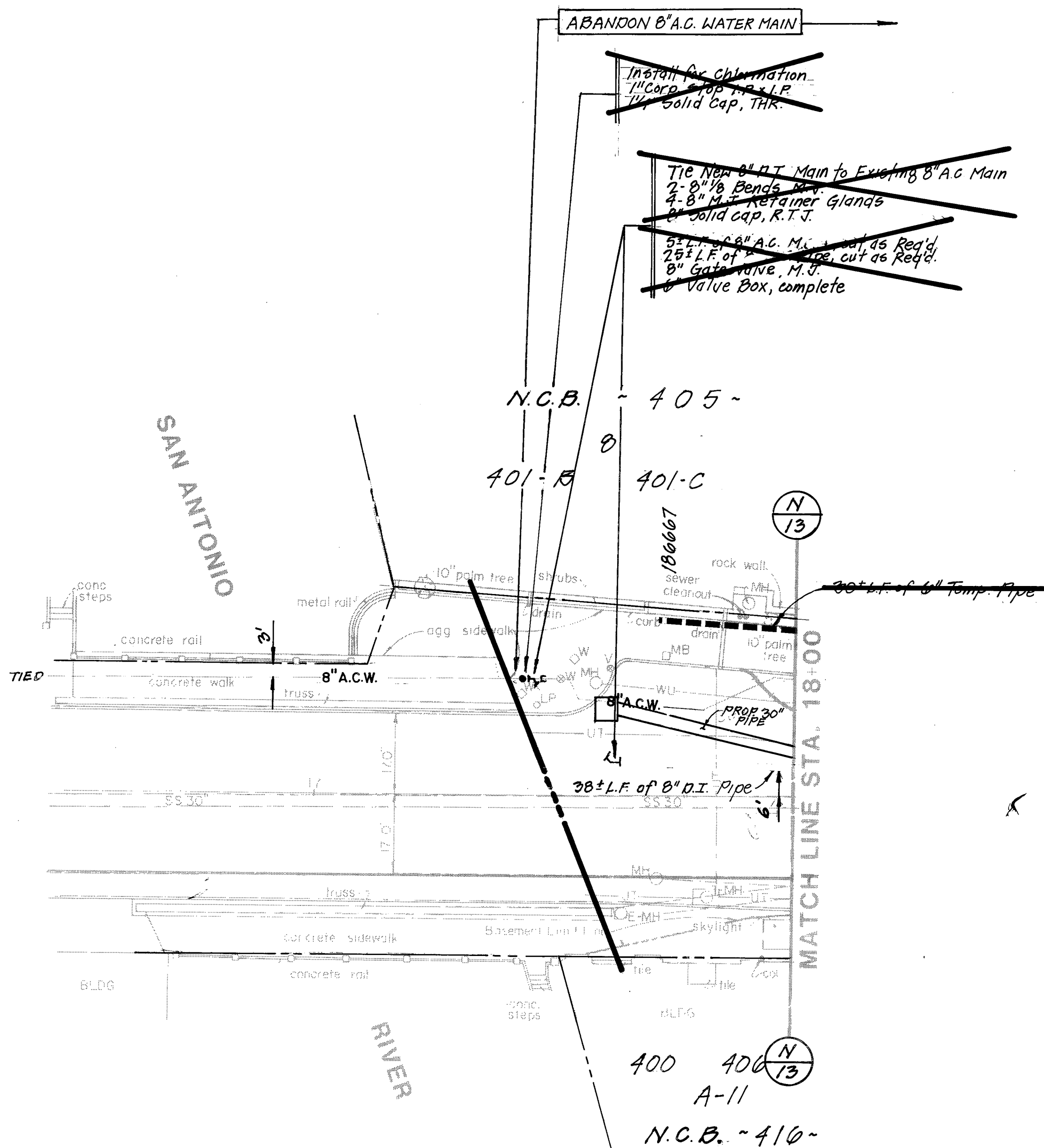
WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548
PROPOSED LINE OF PAVEMENT

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548
PROPOSED LINE OF PAVEMENT

DOWNTOWN TRIPARTY



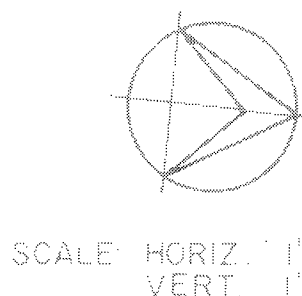
**SHEET
OMITTED**

TRENCH EXCAVATION PROTECTION
Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION".

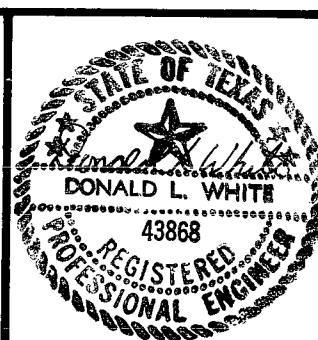
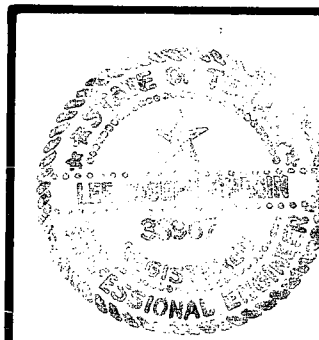
CALL C.P.S. LOCATOR AT 427-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.



LEGEND	
PROP WATER MAIN	
EXIST WATER MAIN	
GAS MAIN	
SANITARY SEWER	
STORM SEWER	
UTILITY POLE LINE	
ELECTRIC CABLE	
TELEPHONE CABLE	
RESISTIVITY READING	
NEW SERVICE:	
3/4"	
1" OR LARGER	
SERVICE RECONNECT:	
3/4"	
1" OR LARGER	
SERVICE RELAY:	
3/4"	
1" OR LARGER	
SERVICE RELOCATE:	
3/4"	
1" OR LARGER	
RELOCATE METER	

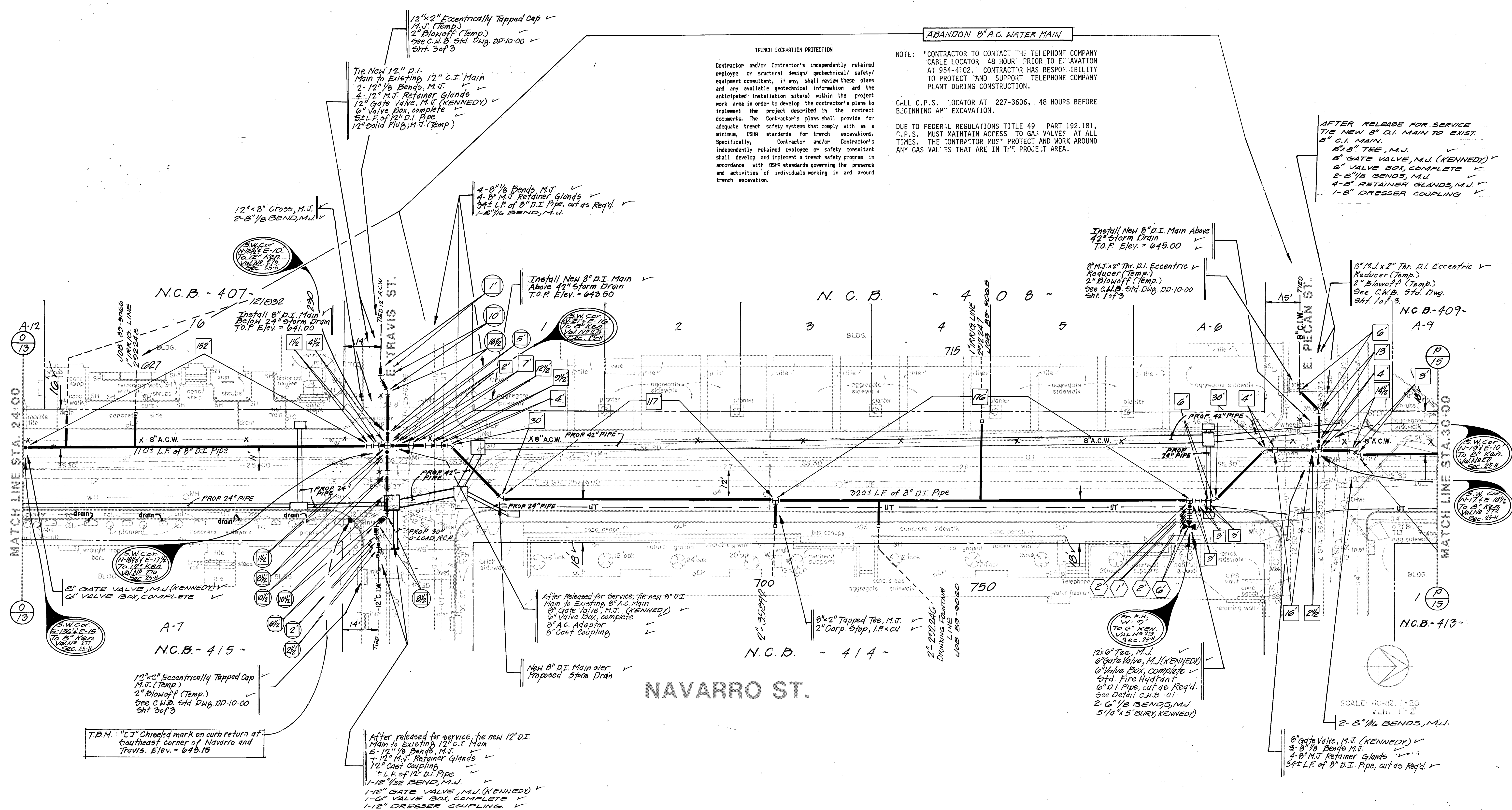
ADDENDUM NO. 3				
FIELD ALTERATION	02-17-88			
FIELD ALTERATION NOT REVIEWED	04-29-88			
SR	6-3-88			
No.	DESCRIPTION	DRAWN	APPROVED	DATE
REVISIONS				
DOWNTOWN TRIPARTY PROJECT HOUSTON STREET AREA				
DEVELOPER C.H.B.				
CONT. BUDGET PROJ. #34, #37				
SUBMITTED FERNANDEZ, PRAZER, WHITE & ASSOC.				
APPROVED [Signature]				
MAP NO. 162-570				
SECTION No. 25 H				
DR.	CH.	JOB NO. 07-5305	SHEET CW8-12 OF 21	



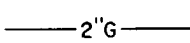
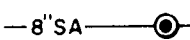


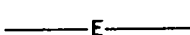
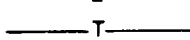

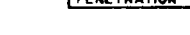

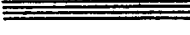














DOWNTOWN TRIPARTY



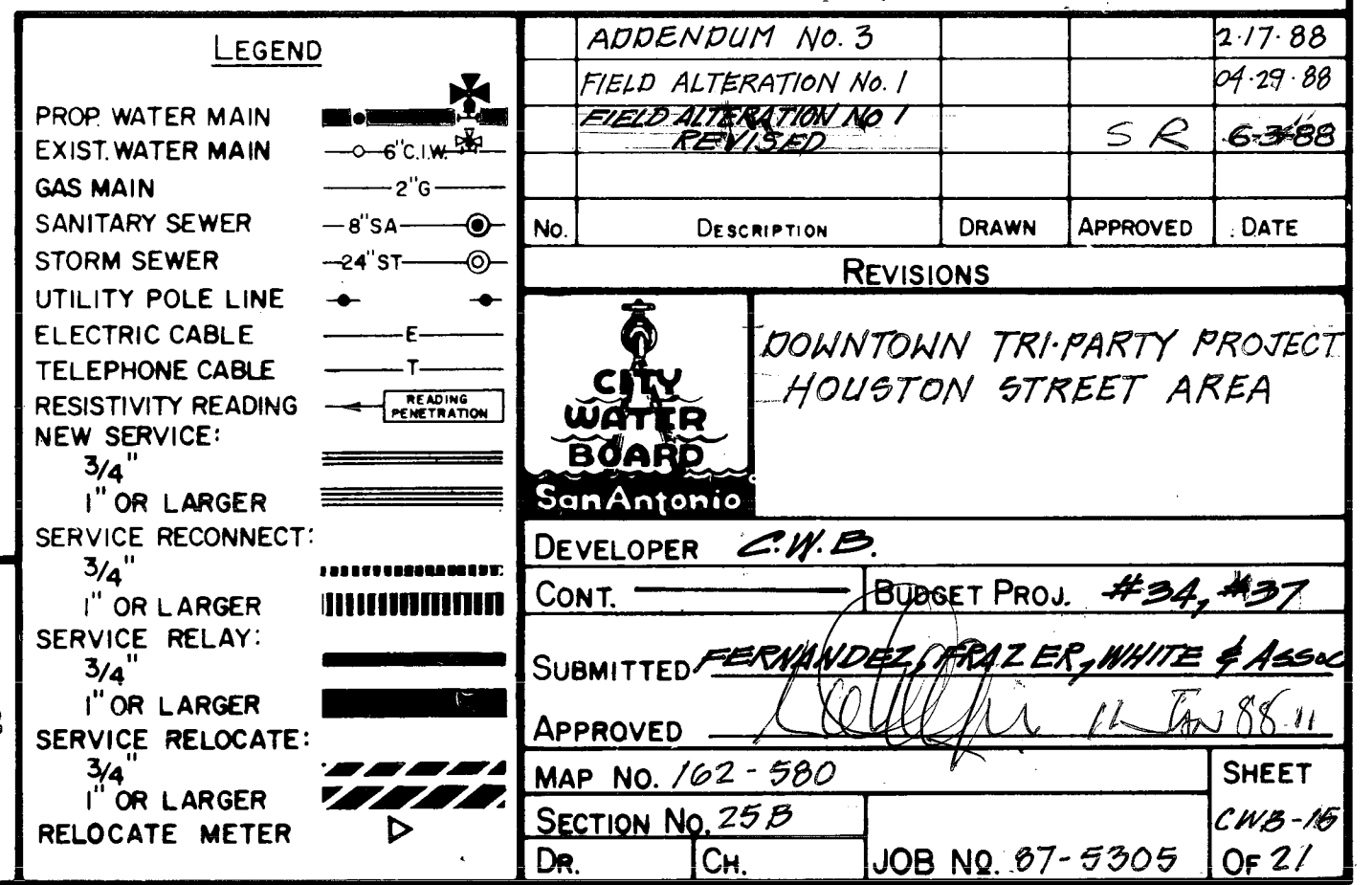
1108514



LEGEND			
PROP. WATER MAIN			
EXIST. WATER MAIN			
GAS MAIN			
SANITARY SEWER			
STORM SEWER			
UTILITY POLE LINE			
ELECTRIC CABLE			
TELEPHONE CABLE			
RESISTIVITY READING			
NEW SERVICE:			
3/4"			
1" OR LARGER			
SERVICE RECONNECT:			
3/4"			
1" OR LARGER			
SERVICE RELAY:			
3/4"			
1" OR LARGER			
SERVICE RELOCATE:			
3/4"			
1" OR LARGER			
RELOCATE METER			

ADDENDUM NO. 3		02-17-88		
FIELD ALTERATION NO. 1		04-29-88		
FIELD ALTERATION NO. 1 REVISED		SR 6-3-88		
No.	DESCRIPTION	DRAWN	APPROVED	DATE
REVISIONS				
 CITY OF SAN ANTONIO DOWNTOWN TRIPARTY PROJECT HOUSTON STREET AREA				
DEVELOPER C.H.B.				
CONT.		BUDGET PROJ. #34, #37		
SUBMITTED		FERNANDEZ, FRIEZ, WHITE & ASSOC.		
APPROVED		 11 Jan 88		
MAP NO. 102-570, 102-580		SHEET		
SECTION NO. 25H, 25B		OF 21		
Dr.	Ch.	JOB NO. 87-5305		

1106815



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

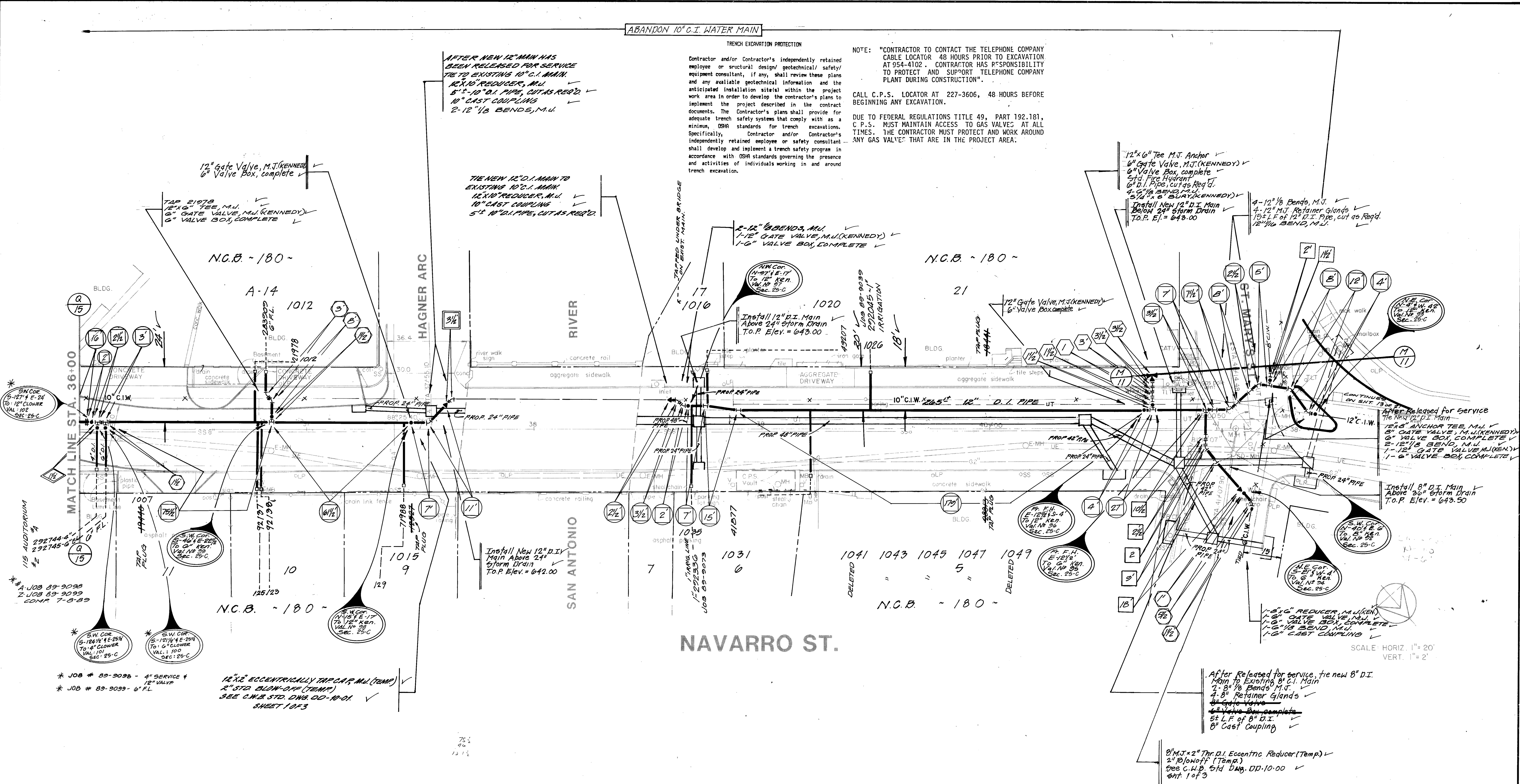
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RESPONSIBLE ENGINEER/DESIGNER
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEER NO. 10000

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RESPONSIBLE ENGINEER/DESIGNER
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEER NO. 10000

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RESPONSIBLE ENGINEER/DESIGNER
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEER NO. 10000

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RESPONSIBLE ENGINEER/DESIGNER
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEER NO. 10000

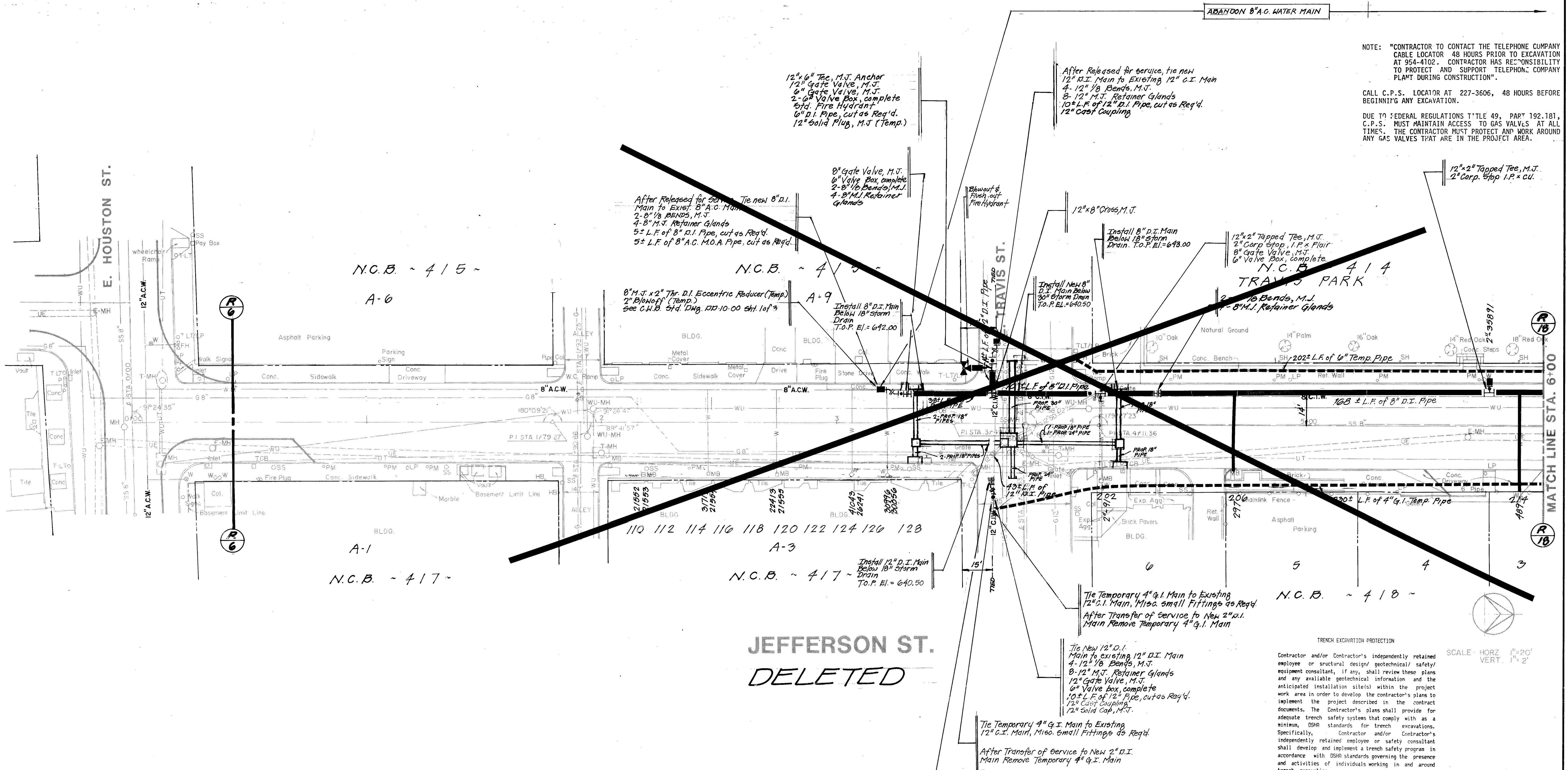
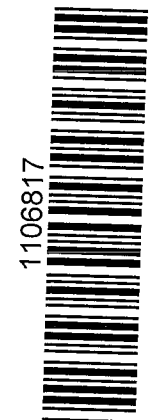
DOWNTOWN TRIPARTY



LEGEND			
PROP WATER MAIN	— 6" C.W. —		
EXIST. WATER MAIN	— 6" C.W. —		
GAS MAIN	— 2" G. —		
SANITARY SEWER	— 8" S.A. —		
STORM SEWER	— 24" ST. —		
UTILITY POLE LINE	— U.P.L. —		
ELECTRIC CABLE	— E. —		
TELEPHONE CABLE	— T. —		
RESISTIVITY READING	— R.R. —		
NEW SERVICE	— S. —		
1" OR LARGER	— 1" —		
SERVICE RECONNECT	— 3/4" —		
1" OR LARGER	— 1" —		
SERVICE RELAY	— 3/4" —		
1" OR LARGER	— 1" —		
SERVICE RELOCATE	— 3/4" —		
1" OR LARGER	— 1" —		
RELOCATE METER	— 3/4" —		

APPENDIX No. 3			
FIELD ALTERATION No. 1			2.17.88
FIELD ALTERATION No. 1			04.23.88
REVISED			S.R. 6-3-88
No.	DESCRIPTION	DRAWN	APPROVED
REVISIONS			
CITY OF SAN ANTONIO			
DOWNTOWN TRIPARTY PROJECT			
HOUSTON STREET AREA			
DEVELOPER C.W.B.			
CONT.	BUDGET PROJ. #24, #37		
SUBMITTED	PERMITS, PRINTER, WHITE & ASSOC.		
APPROVED			
MAP No. 102-580			
SECTION No. 25-B			
Dr. Ch.	JOB NO. 87-5305		

DOWNTOWN TRIPARTY



NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION".

CALL C.P.S. LOCATOR AT 227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

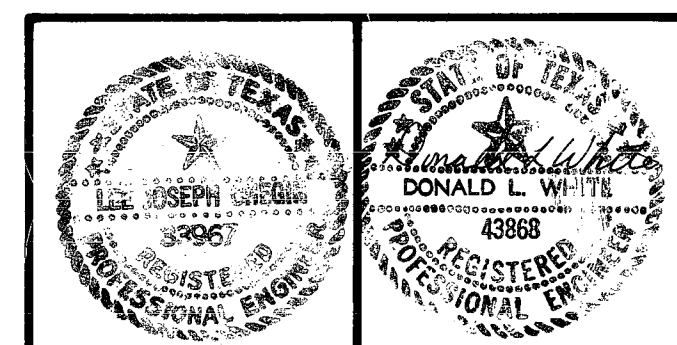
TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

SCALE: HORIZ. 1"=20' VERT. 1"=2'

LEGEND			
PROP. WATER MAIN	—	6" C.W.	
EXIST. WATER MAIN	—	2" G.	
GAS MAIN	—	8" SA	
SANITARY SEWER	—	24" ST	
STORM SEWER	—		
UTILITY POLE LINE	—		
ELECTRIC CABLE	—		
TELEPHONE CABLE	—		
RESISTIVITY READING	—		
NEW SERVICE:			
3/4"			
1" OR LARGER			
SERVICE RECONNECT:			
3/4"			
1" OR LARGER			
SERVICE RELAY:			
3/4"			
1" OR LARGER			
SERVICE RELOCATE:			
3/4"			
1" OR LARGER			
RELOCATE METER			

ADDENDUM No. 3			
FIELD ALTERATION No. 1			02-17-03
FIELD ALTERATION No. 1 REVISED		SR	04-29-08
No.	DESCRIPTION	DRAWN	APPROVED DATE
REVISIONS			
DOWNTOWN TRIPARTY PROJECT HOUSTON STREET AREA			
DEVELOPER C.W.B.			
CONT. BUDGET PROJ. #34-27			
SUBMITTED FERNANDEZ, PRAZER, WHITE & ASSOC.			
APPROVED			
MAP No. 162-570			
SECTION No. 25H			
DR.	CH.	JOB No. 07-5306	SHEET C.W.B.-18 OF 21



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
WATER

DRAWING NUMBER

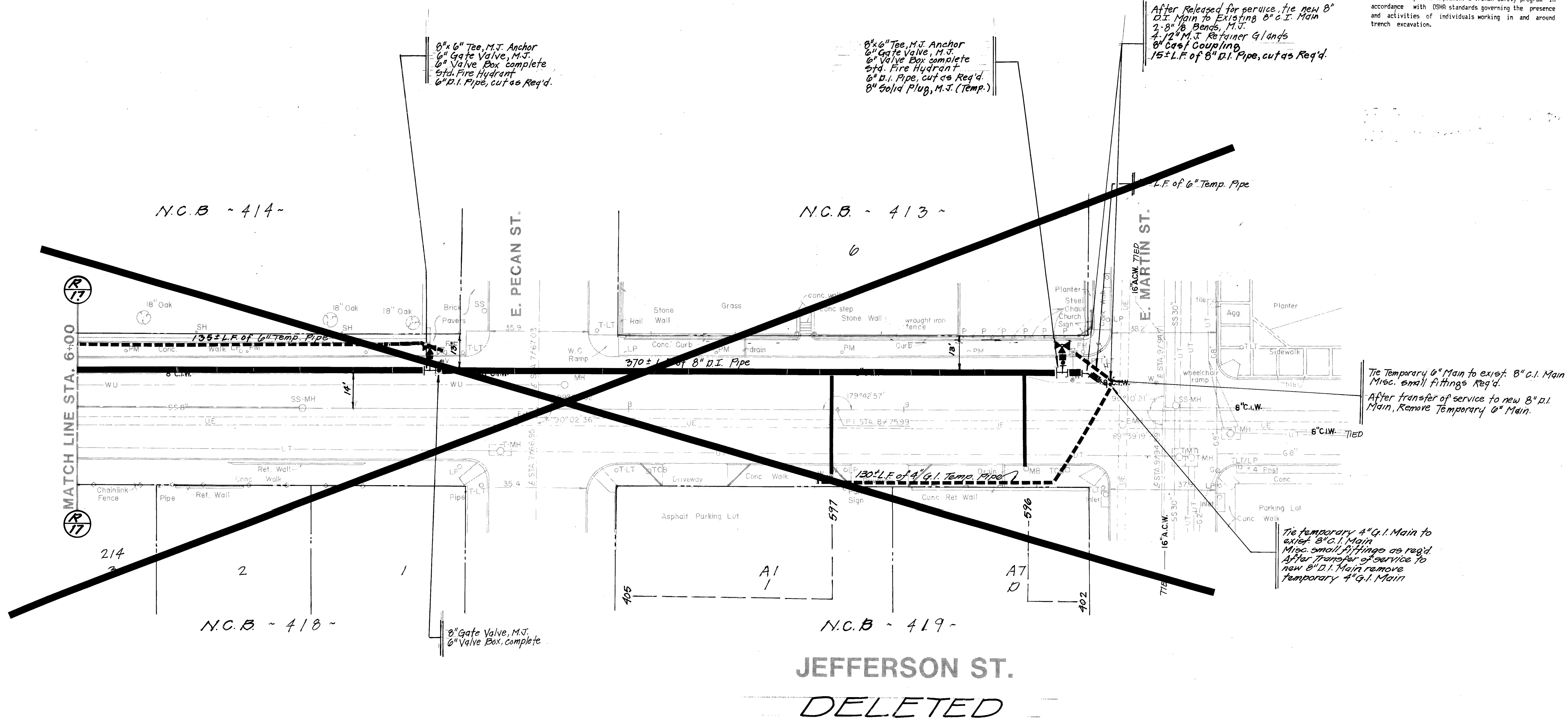
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07544
DATE: 04/27/88

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07544
DATE: 04/27/88

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07544
DATE: 04/27/88

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER 07544
DATE: 04/27/88

DOWNTOWN TRIPARTY



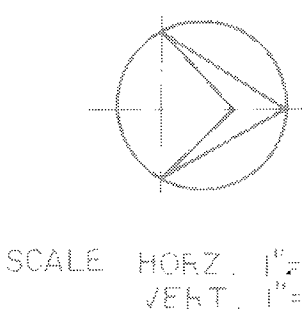
TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/ geotechnical/ safety/ equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.


NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION".

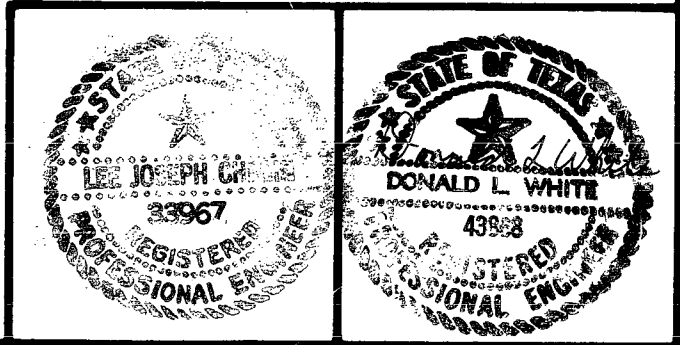
CALL C.P.S. LOCATOR AT 227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.101, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.



LEGEND			
PROP. WATER MAIN		EXIST. WATER MAIN	
GAS MAIN			
SANITARY SEWER			
STORM SEWER			
UTILITY POLE LINE			
ELECTRIC CABLE			
TELEPHONE CABLE			
RESISTIVITY READING			
NEW SERVICE:			
3/4"			
1" OR LARGER			
SERVICE RECONNECT:			
3/4"			
1" OR LARGER			
SERVICE RELAY:			
3"			
1" OR LARGER			
SERVICE RELOCATE:			
3/4"			
1" OR LARGER			
RELOCATE METER			

ADDENDUM NO. 3		02-17-88		
FIELD ALTERATION No. 1		04-27-88		
FIELD ALTERATION NO. 1 REVISED		SR 04-28-88		
No.	DESCRIPTION	DRAWN	APPROVED	DATE
REVISIONS				
 CITY WATER BOARD San Antonio				
DOWNTOWN TRIPARTY PROJECT HOUSTON STREET AREA				
DEVELOPER C.H.B.				
CONT.		BUDGET PROJ. #24, #37		
SUBMITTED		FERNANDEZ, PFAIZER, WHITE & ASSOC.		
APPROVED		[Signature] 4-28-88		
MAP NO. 102-580				SHEET
SECTION NO. 250-C				CH-19
Dr.	Ch.	JOB NO. 87-5305		OF 21



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
WATER

DRAWING NUMBER

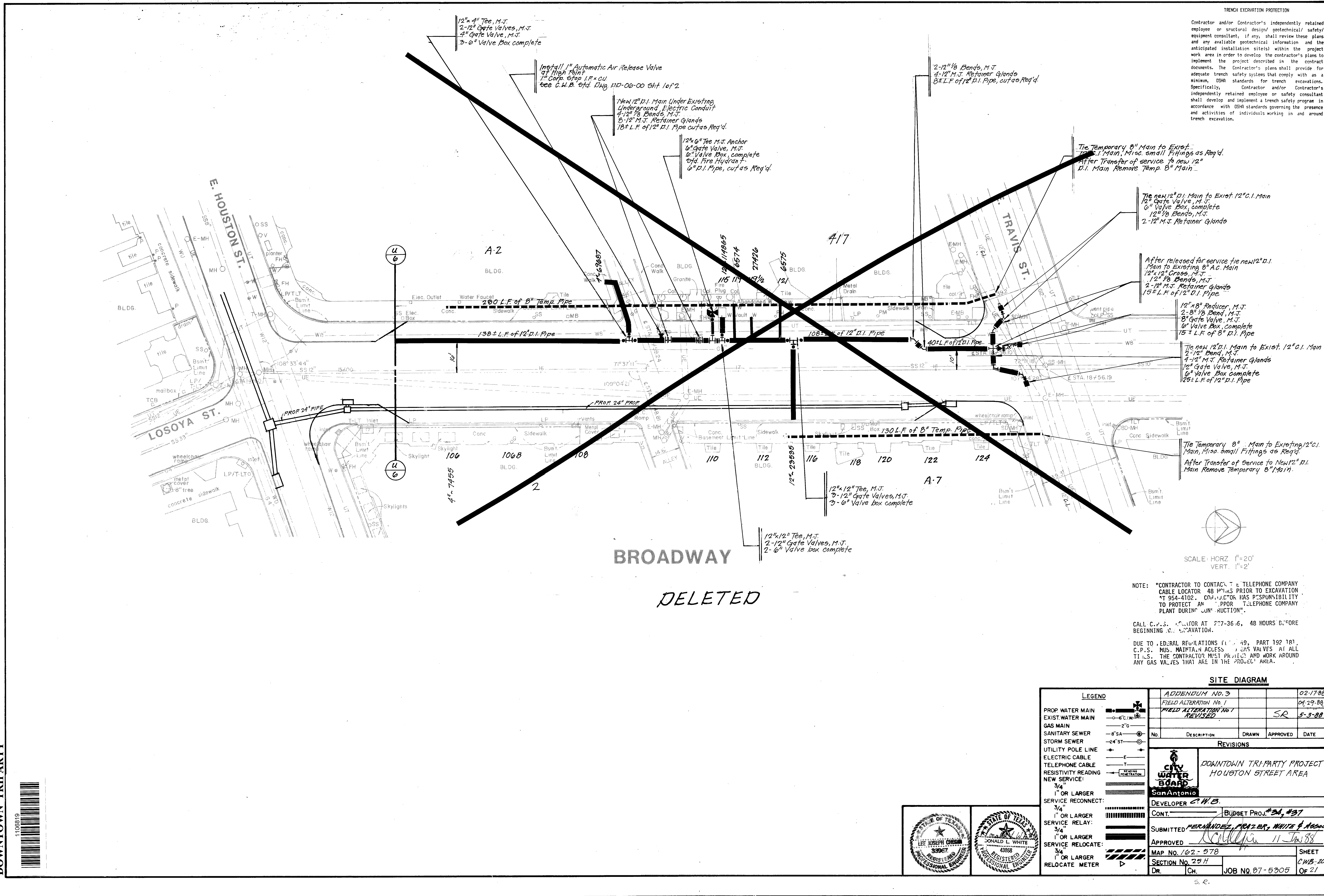
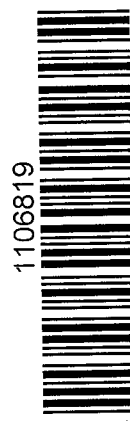
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORDS BY NUMBER 072545

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORDS BY NUMBER 072545

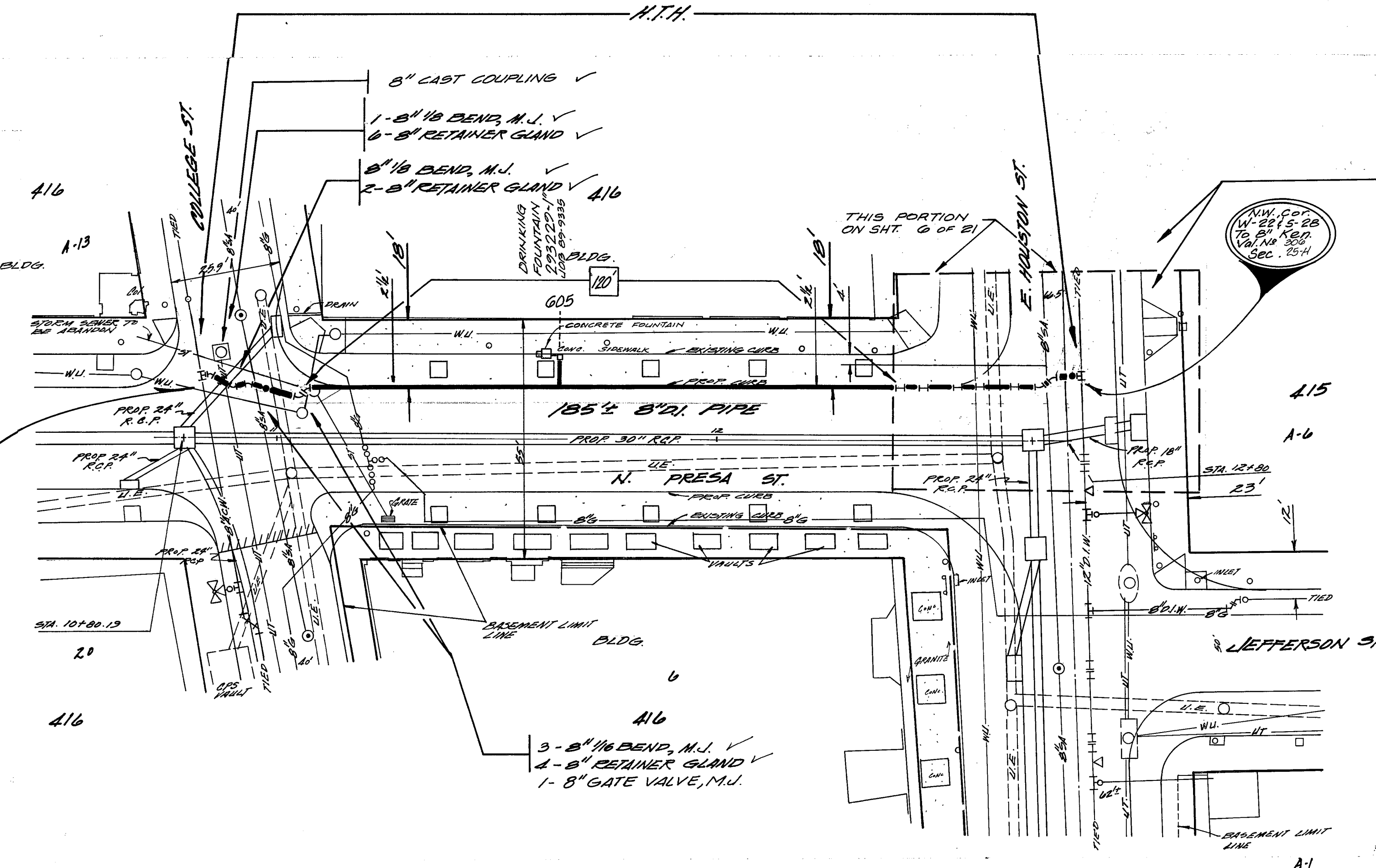
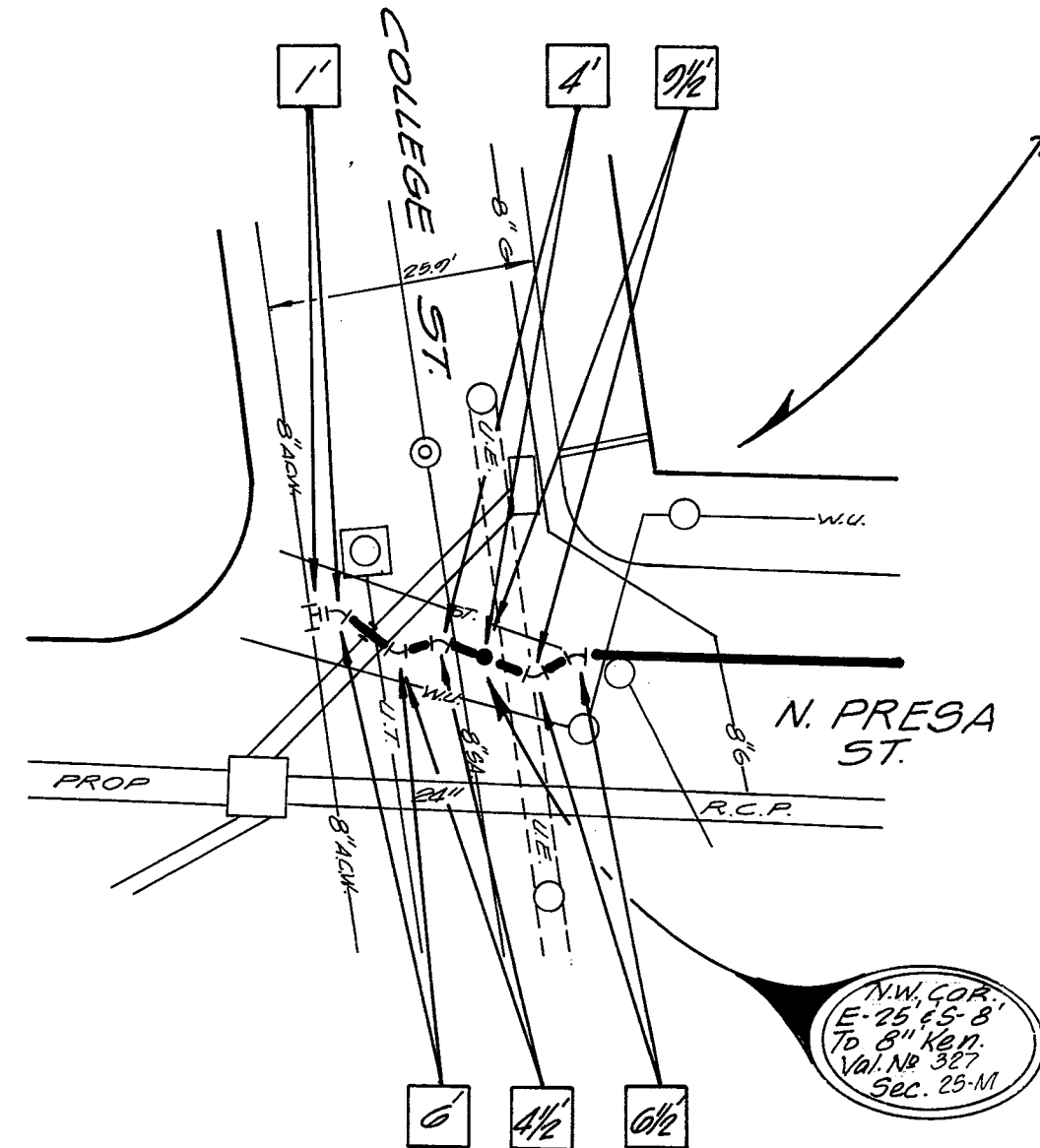
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORDS BY NUMBER 072545

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORDS BY NUMBER 072545

DOWNTOWN TRIPARTY

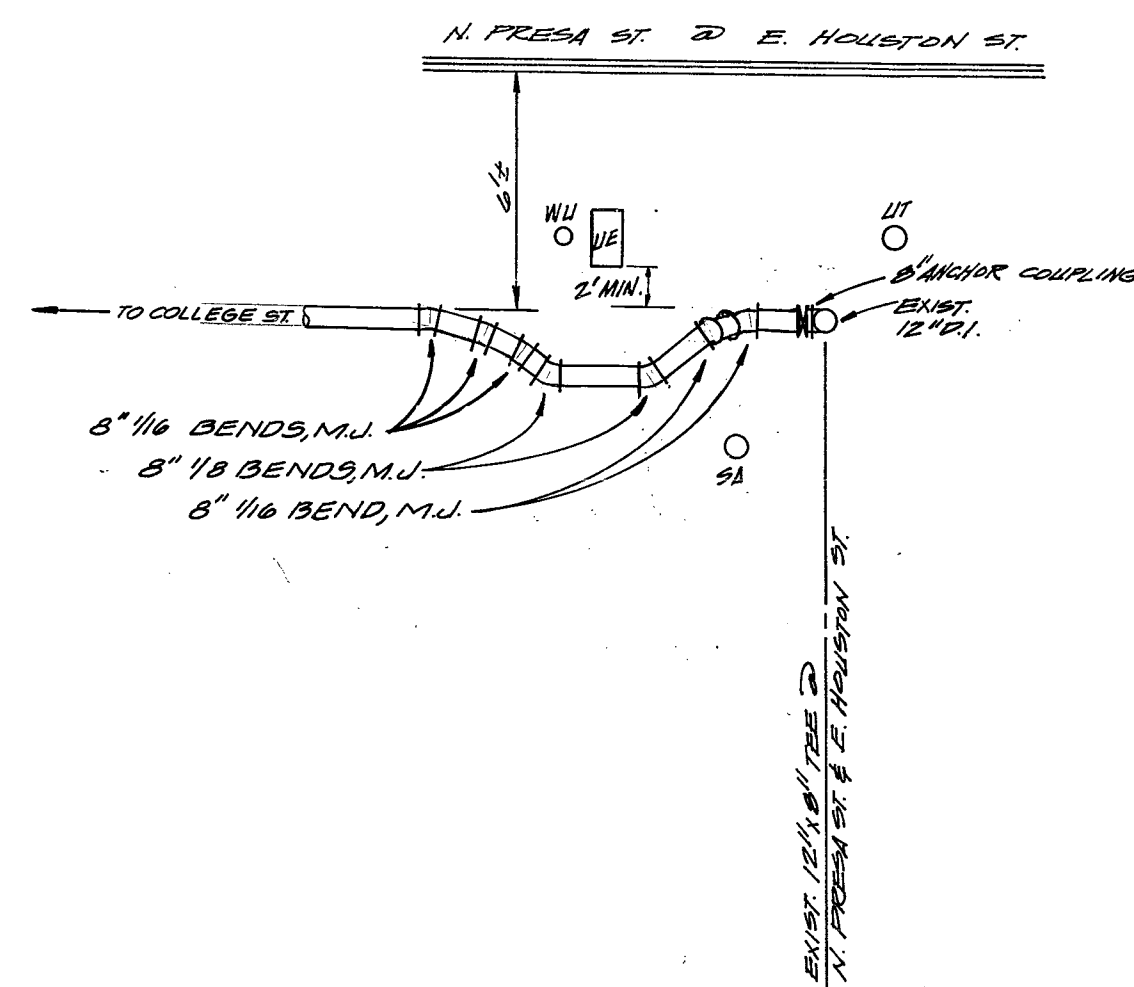
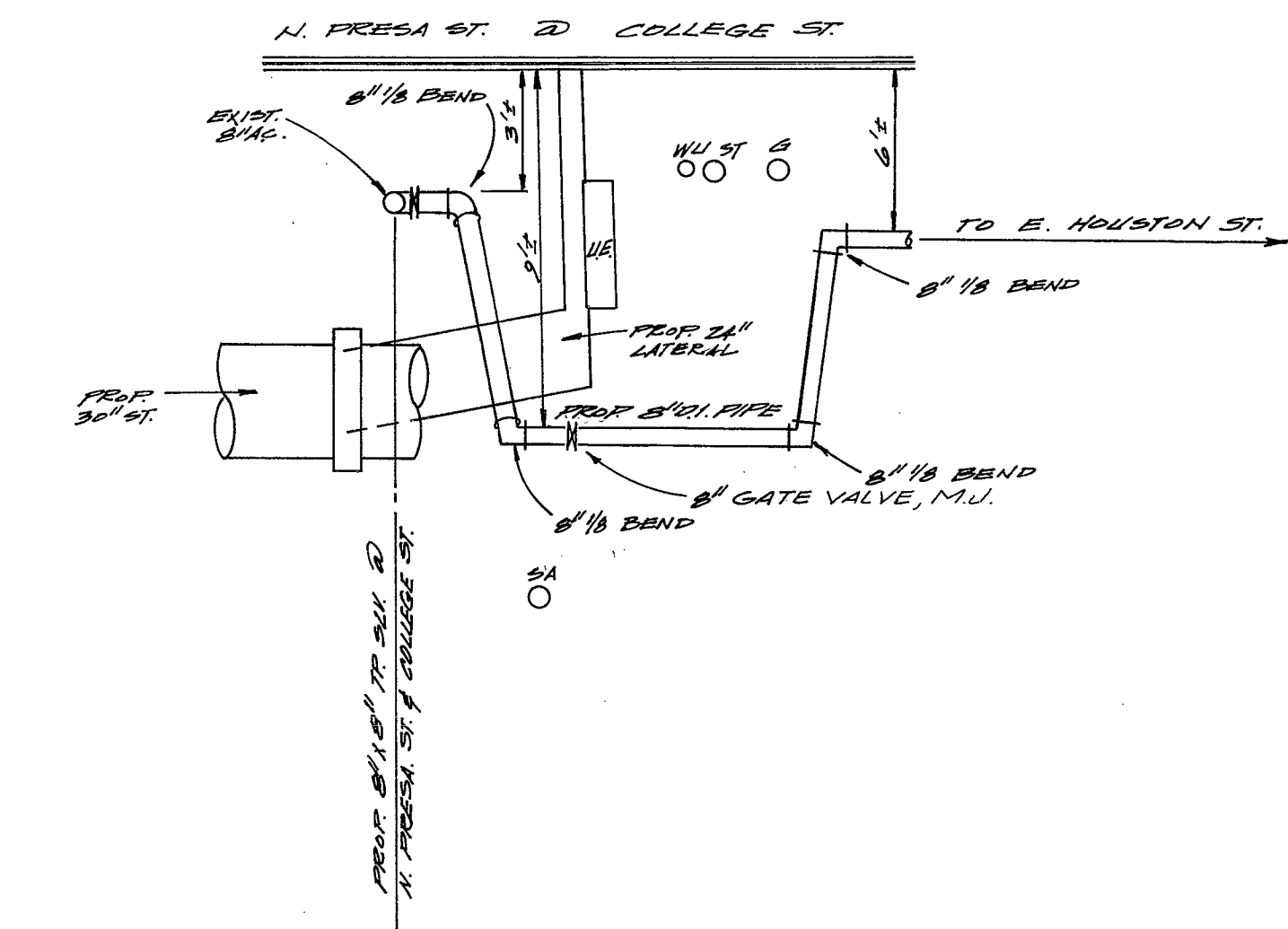


~~THE NEW 8" D.I. MAIN TO
EXISTING A.C. MAIN
8" X 8" TAPPING GLENE TO
FIT A.C. PIPE
8" TAPPING VALVE, M.U.
GATE VALVE, COMPLETE~~



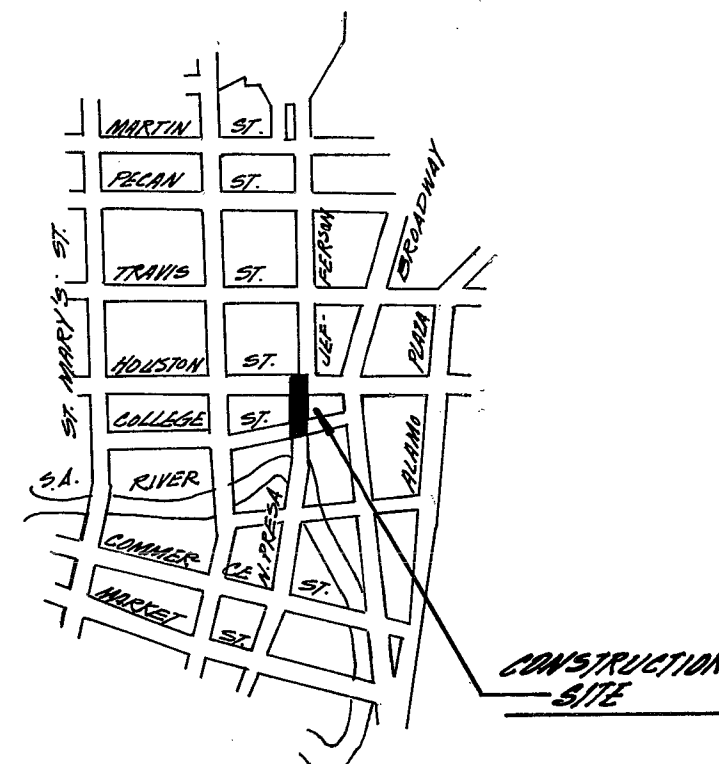
AFTER RELEASED FOR SERVICE
TIE NEW 8" D.I. MAIN TO EXISTING
12" X 8" TEE, M.U.
1-8" GATE VALVE, M.U. (KENNEDY) ✓
2-8" 1/2 BEND, M.U. ✓
3-8" 1/2 BEND, M.U. ✓
2-8" 1/2 BEND, M.U. ✓

SCALE: 1" = 20'

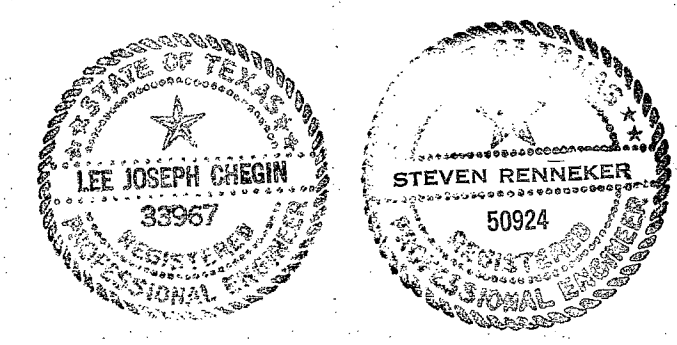


~~SHALL X 2" THR. D.I. ECCENTRIC
REDUCER - TEMPORARY
2" STANDARD NON-DEF (TEMP)
SEE C.W.B. STD. DWG. NO. 10-00,
SHEET 1 OF 2.~~

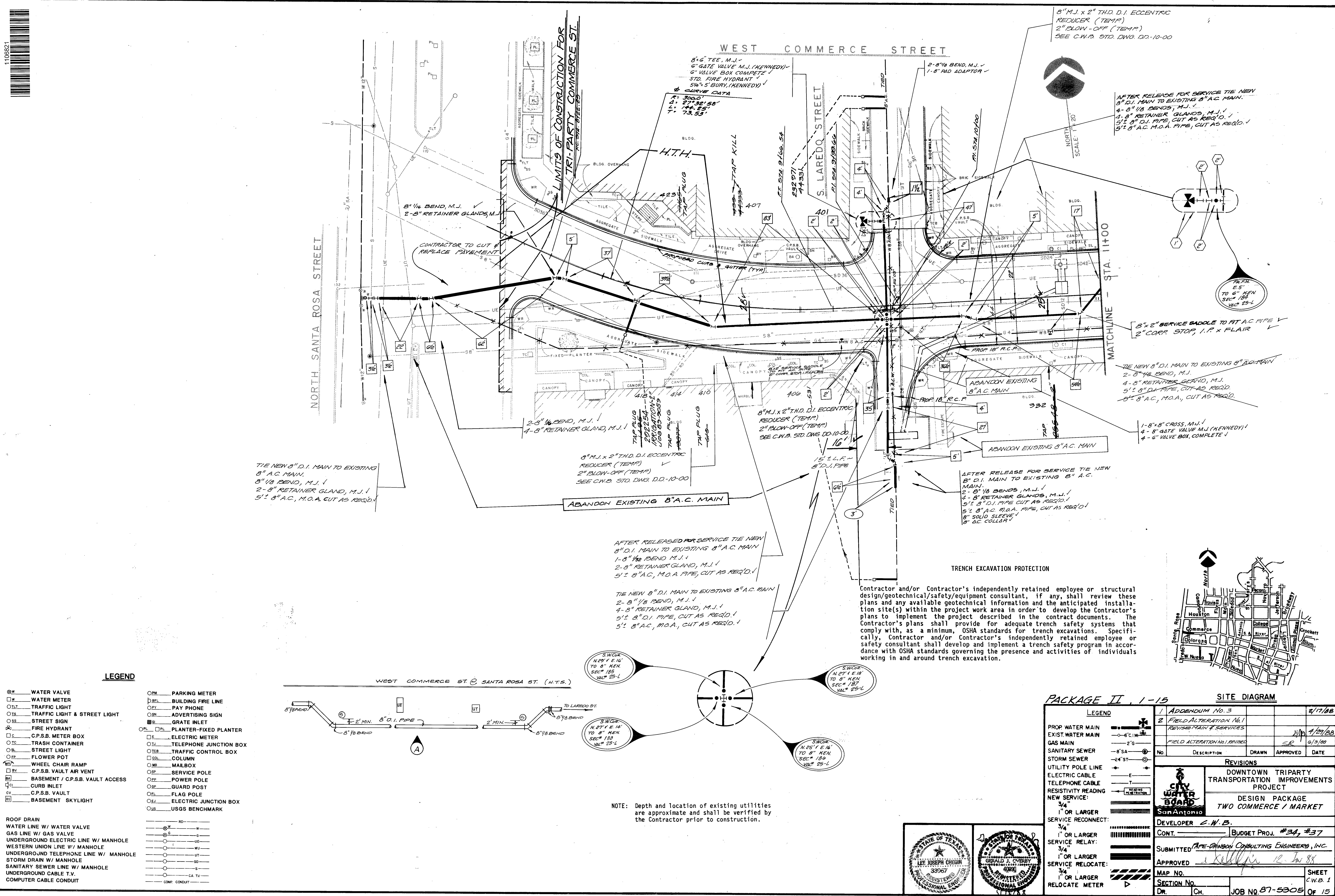
NOTES: 1. WATER MAIN ON THIS SHEET SHALL BE LAID AFTER
STORM SEWER WORK IS COMPLETED OR LOCATION OF
PROPOSED UTILITIES REVEALED.
2. SEE SHEET C.W.B. 21 OF 21 FOR POSSIBLE LOCATION
OF STREETCAR TRACKS ON HOUSTON ST. AND N. PRESA ST.



DOWNTOWN TRIPARTY



DOWNTOWN TRIPARTY PROJECT
DESIGN PACKAGE ONE
PRESA ST.
HOUSTON TO COLLEGE
SUPPLEMENTAL DRAWING
C.W.B. #34, #37
Steven Renneker May 3, 1989
162-578
25-14
G.P. 21A
OR 5305 21
CONTRACT



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

WATER

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0750A
PREPARED BY PLAN HOLD CORPORATION

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0750A
PREPARED BY PLAN HOLD CORPORATION

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0750A
PREPARED BY PLAN HOLD CORPORATION

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 0750A
PREPARED BY PLAN HOLD CORPORATION

1106822



DOWNTOWN TRIPARTY

- LEGEND**
- WATER VALVE
 - WATER METER
 - TRAFFIC LIGHT
 - TRAFFIC LIGHT & STREET LIGHT
 - STREET SIGN
 - FIRE HYDRANT
 - C.P.S.B. METER BOX
 - TRASH CONTAINER
 - STREET LIGHT
 - FLOWER POT
 - WHEEL CHAIR RAMP
 - C.P.S.B. VAULT AIR VENT
 - BASEMENT / C.P.S.B. VAULT ACCESS
 - CURB INLET
 - C.P.S.B. VAULT
 - BASEMENT SKYLIGHT
 - ROOF DRAIN
 - WATER LINE W/ WATER VALVE
 - GAS LINE W/ GAS VALVE
 - UNDERGROUND ELECTRIC LINE W/ MANHOLE
 - WESTERN UNION LINE W/ MANHOLE
 - UNDERGROUND TELEPHONE LINE W/ MANHOLE
 - STORM DRAIN W/ MANHOLE
 - SANITARY SEWER LINE W/ MANHOLE
 - UNDERGROUND CABLE T.V.
 - COMPUTER CABLE CONDUIT
 - PARKING METER
 - BUILDING FIRE LINE
 - PAY PHONE
 - ADVERTISING SIGN
 - GRATE INLET
 - PLANTER-FIXED PLANTER
 - ELECTRIC METER
 - TELEPHONE JUNCTION BOX
 - TRAFFIC CONTROL BOX
 - COLUMN
 - MAILBOX
 - SERVICE POLE
 - POWER POLE
 - GUARD POST
 - FLAG POLE
 - ELECTRIC JUNCTION BOX
 - USGS BENCHMARK

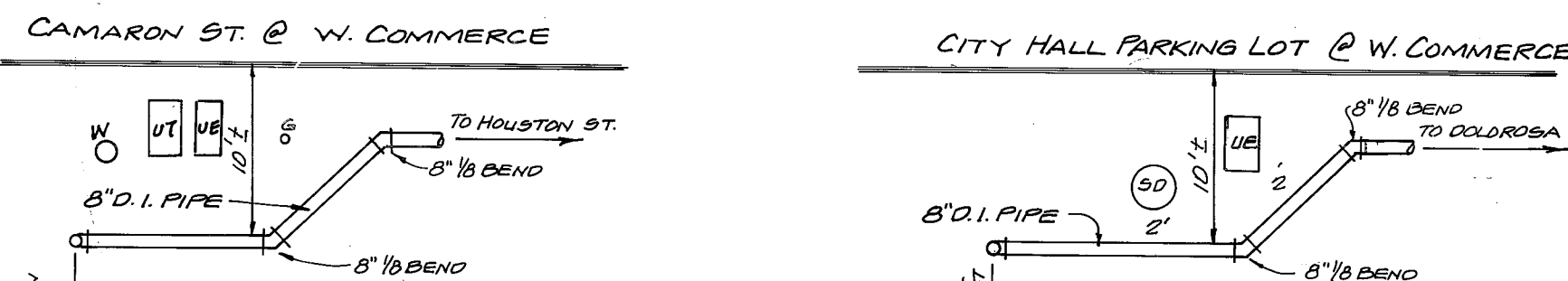
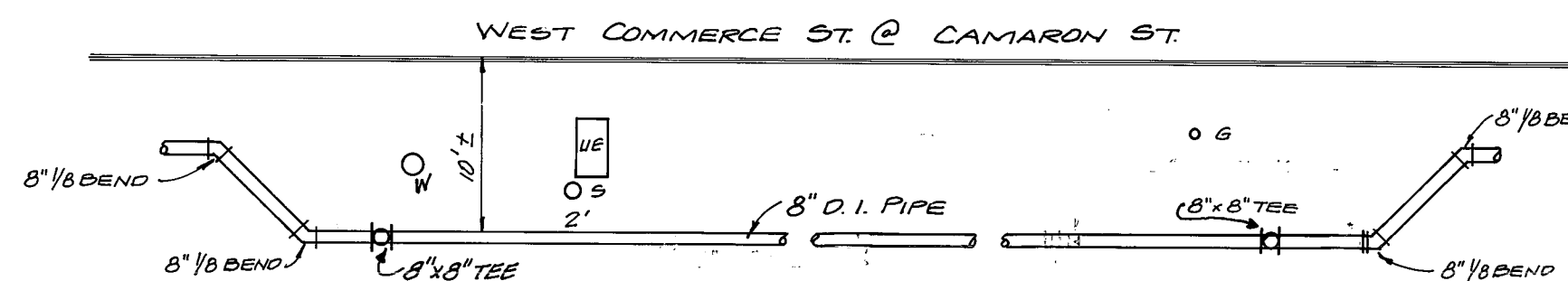
- LEGEND**
- PARKING METER
 - BUILDING FIRE LINE
 - PAY PHONE
 - ADVERTISING SIGN
 - GRATE INLET
 - PLANTER-FIXED PLANTER
 - ELECTRIC METER
 - TELEPHONE JUNCTION BOX
 - TRAFFIC CONTROL BOX
 - COLUMN
 - MAILBOX
 - SERVICE POLE
 - POWER POLE
 - GUARD POST
 - FLAG POLE
 - ELECTRIC JUNCTION BOX
 - USGS BENCHMARK

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

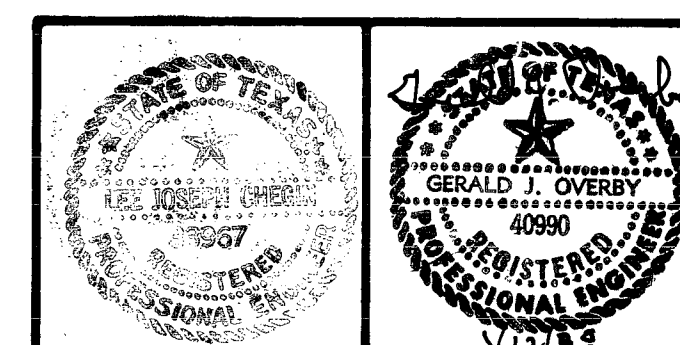
TRENCH EXCAVATION PROTECTION

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

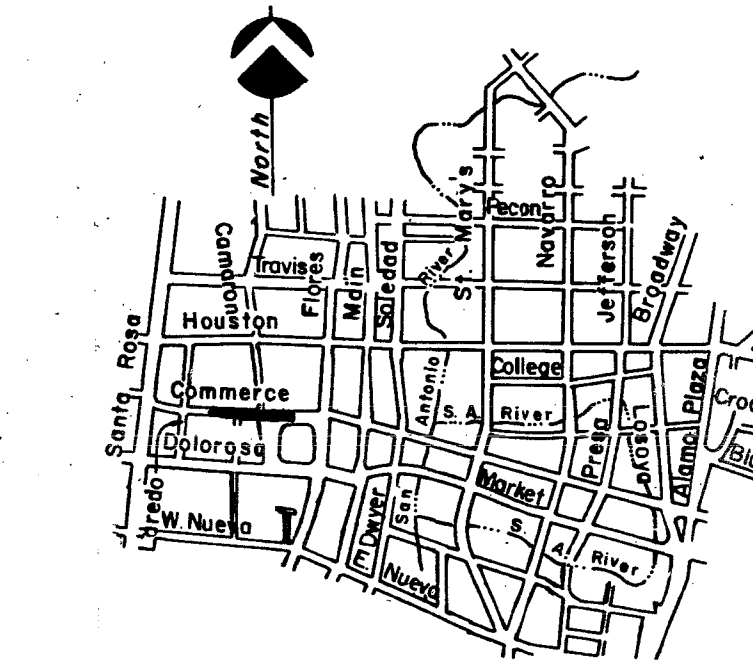
WEST COMMERCE STREET




DELETED



- LEGEND**
- PROP WATER MAIN
 - EXIST WATER MAIN
 - GAS MAIN
 - SANITARY SEWER
 - STORM SEWER
 - UTILITY POLE LINE
 - ELECTRIC CABLE
 - TELEPHONE CABLE
 - RESISTIVITY READING NEW SERVICE
 - 1" OR LARGER SERVICE RECONNECT
 - 1" OR LARGER SERVICE RELAY
 - 1" OR LARGER SERVICE RELOCATE
 - 3/4" OR LARGER RELOCATE METER



SITE DIAGRAM

1	ADDENDUM No. 3			2/17/08
2	FIELD ALTERATION No. 1			
	REVISED MAIN SERVICES		DPD	4/29/08
	FIELD ALTERATION No. 1	REVISED	JK	6-3-08
No.	DESCRIPTION	DRAWN	APPROVED	DATE
REVISIONS				
 DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT				
DESIGN PACKAGE TWO COMMERCE / MARKET				
DEVELOPER <i>C.H.B.</i>				
CONT.		BUDGET PROJ. #24, #37		
SUBMITTED <i>PAPE CONSULTING ENGINEERS, INC.</i>				
APPROVED <i>[Signature]</i> 12-Jan-85				
MAP NO.				SHEET
SECTION No.				C.W.B. 2
DR.		CH.		JOB NO. 87-5305
				Of 15

2014.00

DRAWING NUMBER

DRAWING NUMBER

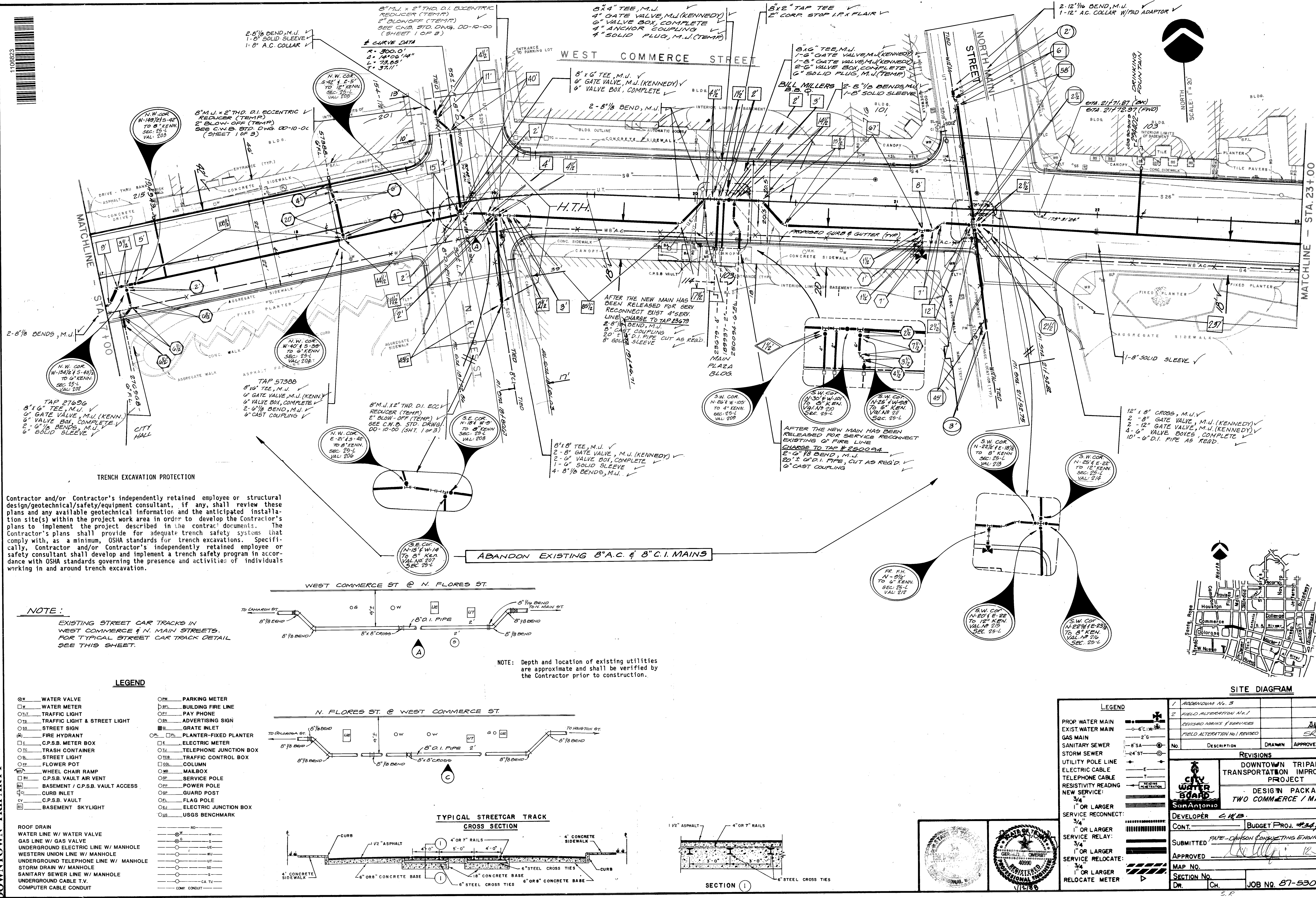
DRAWING NUMBER

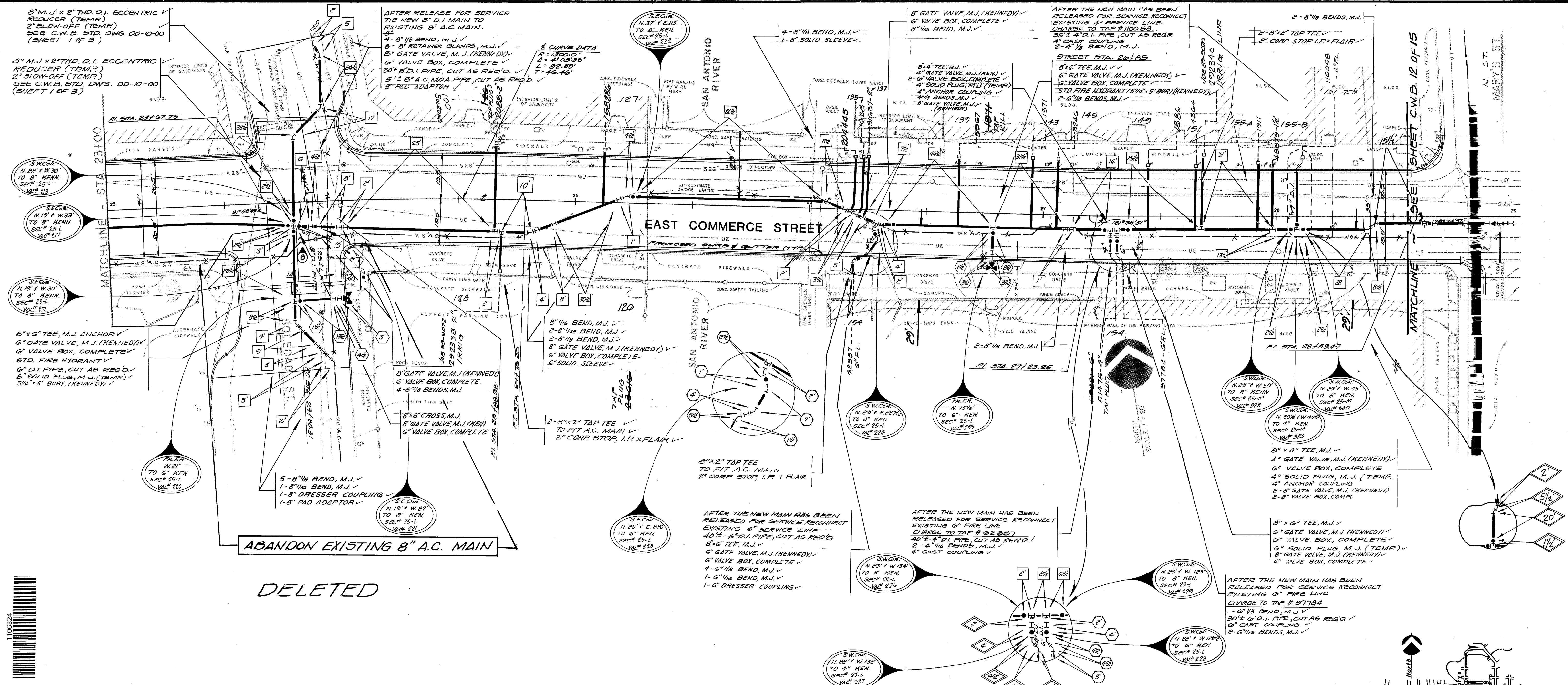
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 02348PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 02348PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 02348

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 02348

DOWNTOWN TRIPARTY





NOTE :

EXISTING STREET CAR TRACKS IN
EAST COMMERCE, SOLEDAD & N. ST.
MARY'S STREETS. FOR TYPICAL
STREET CAR TRACK DETAIL SEE SHEET
C.W.B. 3 OF 15

LEGEND

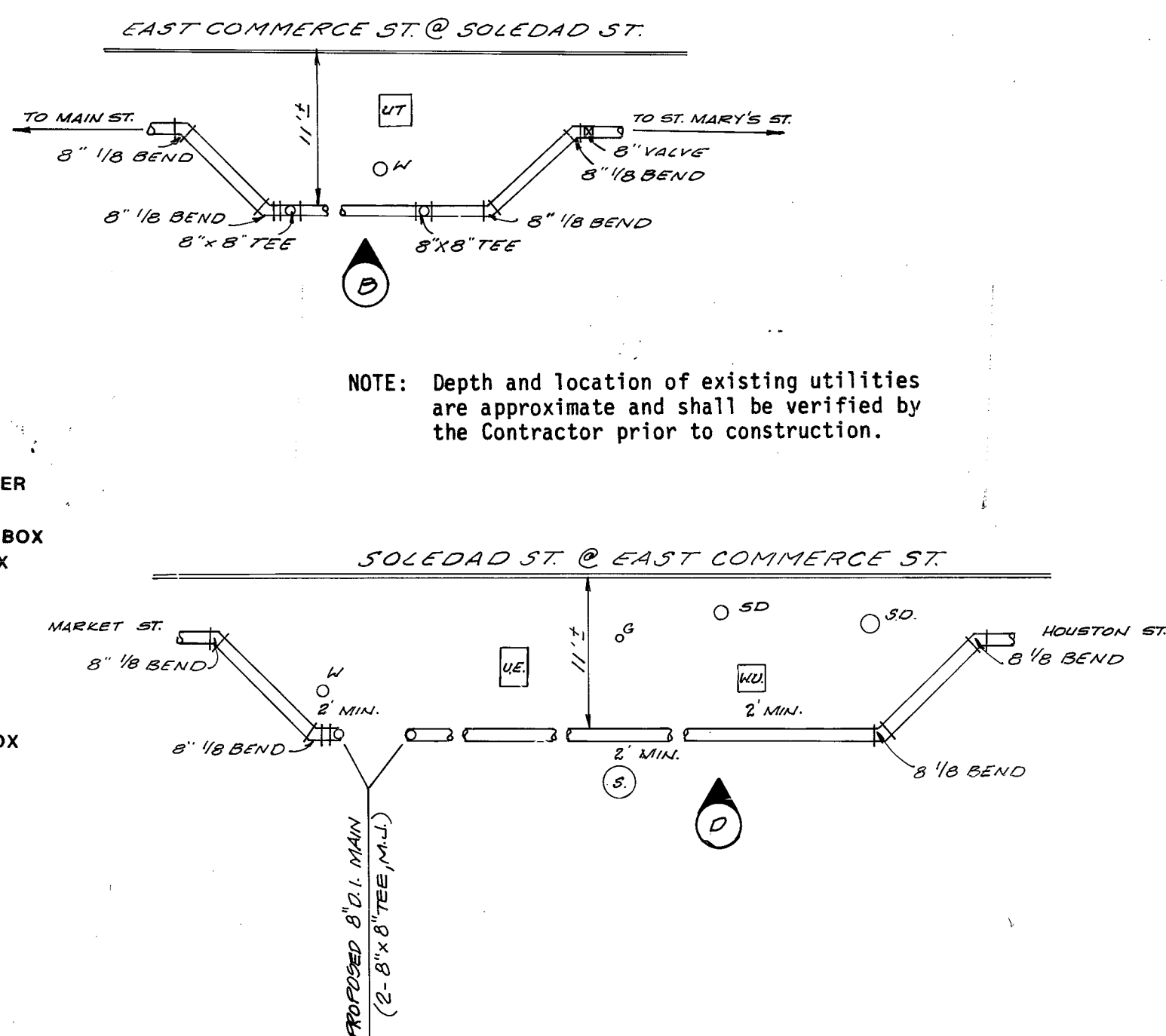
- ☒ W WATER VALVE
- ☐ V WATER METER
- ☒ TL TRAFFIC LIGHT
- ☐ TS TRAFFIC LIGHT & STREET LIGHT
- ☐ IS STREET SIGN
- ☒ FH FIRE HYDRANT
- ☐ C C.P.S.B. METER BOX
- ☐ TC TRASH CONTAINER
- ☐ SL STREET LIGHT
- ☐ FP FLOWER POT
- ☒ WC WHEEL CHAIR RAMP
- ☐ BV C.P.S.B. VAULT AIR VENT
- ☒ BA BASEMENT / C.P.S.B. VAULT ACCESS
- ☐ CI CURB INLET
- ☐ CV C.P.S.B. VAULT
- ☒ BS BASEMENT SKYLIGHT

- ☐ PM PARKING METER
- ☐ BFL BUILDING FIRE LINE
- ☐ FY PAY PHONE
- ☐ SN ADVERTISING SIGN
- ☐ G GRATE INLET
- ☐ PL PLANTER-FIXED PLANTER
- ☐ E ELECTRIC METER
- ☐ TEL TELEPHONE JUNCTION BOX
- ☐ TZ TRAFFIC CONTROL BOX
- ☐ COL COLUMN
- ☐ MB MAILBOX
- ☐ SP SERVICE POLE
- ☐ PP POWER POLE
- ☐ GP GUARD POST
- ☐ FL FLAG POLE
- ☐ EJ ELECTRIC JUNCTION BOX
- ☐ US USGS BENCHMARK

- ROOF DRAIN
 WATER LINE W/ WATER VALVE
 GAS LINE W/ GAS VALVE
 UNDERGROUND ELECTRIC LINE W/ MANHOLE
 WESTERN UNION LINE W/ MANHOLE
 UNDERGROUND TELEPHONE LINE W/ MANHOLE
 STORM DRAIN W/ MANHOLE
 SANITARY SEWER LINE W/ MANHOLE
 UNDERGROUND CABLE T.V.
 COMPUTER CABLE CONDUIT

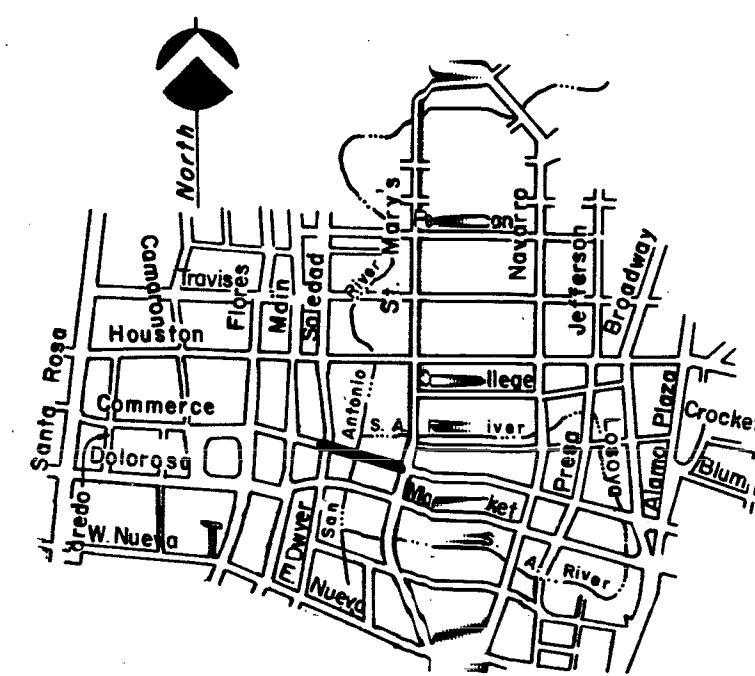
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NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.




TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/Pety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



SITE DIAGRAM

LEGEND		1 ADDENDUM No. 3		2/17/02
PROP. WATER MAIN	— 0'-6" W —	2 FIELD ALTERATION No. 1		
EXIST. WATER MAIN	— 0'-6" W —	REVISED PARTY SERVICES		
GAS MAIN	— 2" G —	FIELD ALTERATION No. 1	REVISED	4/25/02
SANITARY SEWER	— 8" SA —			6-8-99
STORM SEWER	— 24" ST —			
UTILITY POLE LINE	— T —	No.	DESCRIPTION	DR. LWN
ELECTRIC CABLE	— E —			APPROVED
TELEPHONE CABLE	— T —			DATE
RESISTIVITY READING	— R —	<div style="text-align: center;">  CITY OF WATER BOARD San Antonio </div>		
NEW SERVICE:	— NEW SERVICE —	<div style="text-align: center;"> DESIGN PACKAGE TWO COMMERCIAL / MARKET </div>		
1" OR LARGER	=====	<div style="text-align: center;"> DEVELOPER C.W.B. </div>		
SERVICE RECONNECT:	=====	<div style="text-align: center;"> CONTRACT </div>		
3/4"	=====	<div style="text-align: center;"> BUDGET </div>		
1" OR LARGER	=====	<div style="text-align: center;"> PROJ. #34, #37 </div>		
SERVICE RELAY:	=====	<div style="text-align: center;"> SUBMITTED </div>		
3/4"	=====	<div style="text-align: center;"> PAID DIVISION CONSULTING ENGINEERS, INC. </div>		
SERVICE RELOCATE:	=====	<div style="text-align: center;"> APPROVED </div>		
3/4"	=====	<div style="text-align: center;"> MAP NO. </div>		
1" OR LARGER	=====	<div style="text-align: center;"> SECTION NO. </div>		
RELOCATE METER	=====	<div style="text-align: center;"> DR. [Signature] CH. [Signature] </div>		

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548

DRAWING NUMBER

WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548



106825

NOTE:

EXISTING STREET CAR TRACKS IN
EAST COMMERCE, N. MARY'S, & NAVARRO
STREETS. FOR TYPICAL STREET CAR
DETAIL, SEE SHEET C.W.B. 3 OF 15.

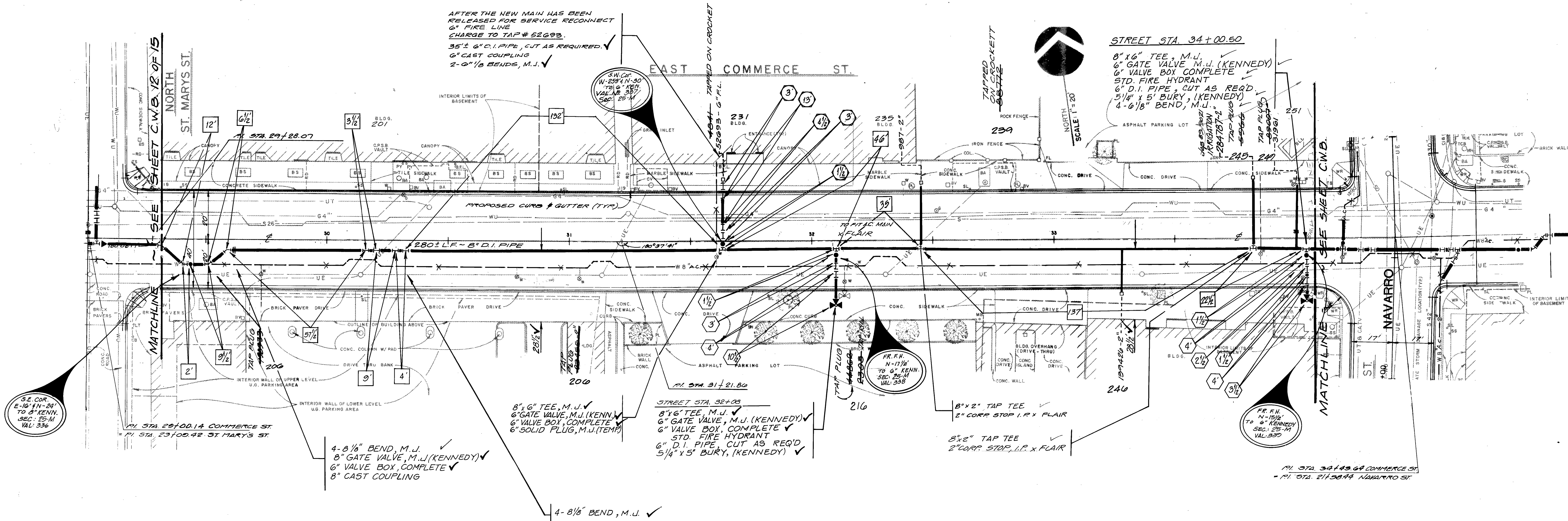
LEGEND

- WATER VALVE
- WATER METER
- TRAFFIC LIGHT
- TRAFFIC LIGHT & STREET LIGHT
- STREET SIGN
- FIRE HYDRANT
- C.P.S.B. METER BOX
- TRASH CONTAINER
- STREET LIGHT
- FLOWER POT
- WHEEL CHAIR RAMP
- C.P.S.B. VAULT AIR VENT
- BASEMENT / C.P.S.B. VAULT ACCESS
- CURB INLET
- C.P.S.B. VAULT
- BASEMENT SKYLIGHT
- ROOF DRAIN
- WATER LINE W/ WATER VALVE
- GAS LINE W/ GAS VALVE
- UNDERGROUND ELECTRIC LINE W/ MANHOLE
- WESTERN UNION LINE W/ MANHOLE
- UNDERGROUND TELEPHONE LINE W/ MANHOLE
- STORM DRAIN W/ MANHOLE
- SANITARY SEWER LINE W/ MANHOLE
- UNDERGROUND CABLE T.V.
- COMPUTER CABLE CONDUIT

- PARKING METER
- BUILDING FIRE LINE
- PAY PHONE
- ADVERTISING SIGN
- GRATE INLET
- PLANTER-FIXED PLANTER
- ELECTRIC METER
- TELEPHONE JUNCTION BOX
- TRAFFIC CONTROL BOX
- COLUMN
- MALBOX
- SERVICE POLE
- POWER POLE
- GUARD POST
- FLAG POLE
- ELECTRIC JUNCTION BOX
- USGS BENCHMARK

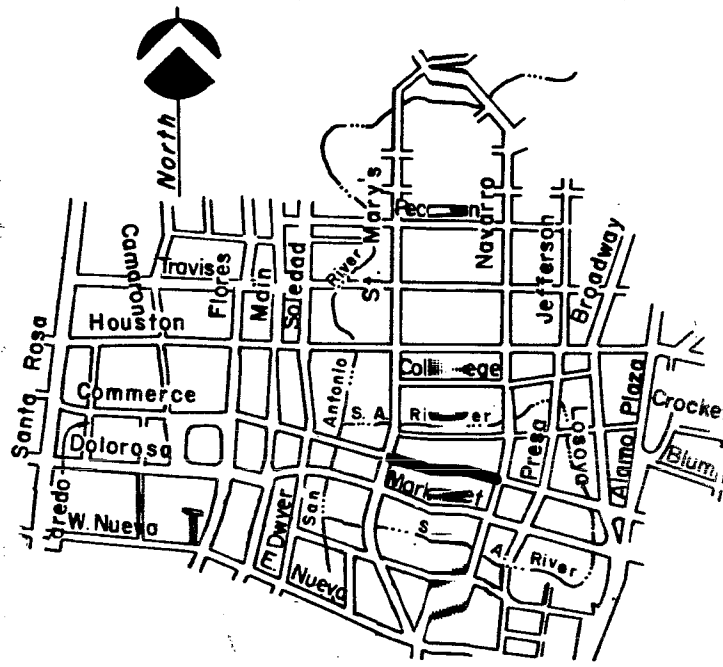
- RD - ROAD
- W - WATER
- G - GAS
- UE - UNDERGROUND ELECTRIC
- UT - UNDERGROUND TELEPHONE
- SD - STORM DRAIN
- S - SANITARY SEWER
- CA - CABLE TV
- CONF - CONDUIT

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.



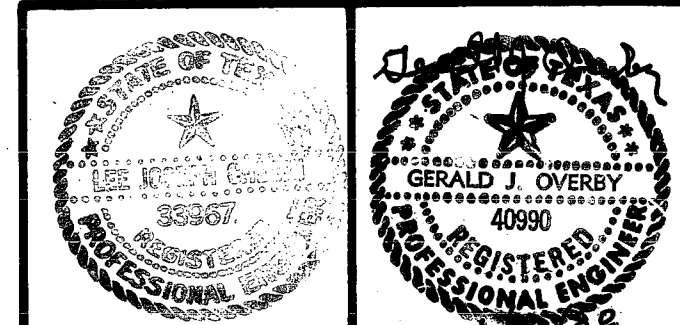
TRENCH EXCAVATION PROTECTION

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SITE DIAGRAM

LEGEND		1 ADDENDUM No. 3		2/17/98	
2 FIELD ALTERATION No. 1					
DELETED MAIN AND REVISED				040 7/27/98	
FIELD ALTERATION No. 1 REVISED				0/3/98	
No.	DESCRIPTION	DRAWN	APPROVED	DATE	
REVISIONS					
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT					
DESIGN PACKAGE TWO COMMERCE / MARKET					
San Antonio					
DEVELOPER C.W.B.					
CONT. BUDGET PROJ. #24, #37					
SUBMITTED PAPERDAVIS ENGINEERING, INC.					
APPROVED					
MAP NO. SHEET					
SECTION No. C.W.B. 5					
JOB No. 87-5305 OF 15					



SHEET HAS BEEN RECALCULATED
AND REISSUED 3/27/99 - N.M.S.

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION NUMBER 07/94

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION NUMBER 07/94

DRAWING NUMBER

WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION NUMBER 07/94

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION NUMBER 07/94

DOWNTOWN TRIPARTY



1106826

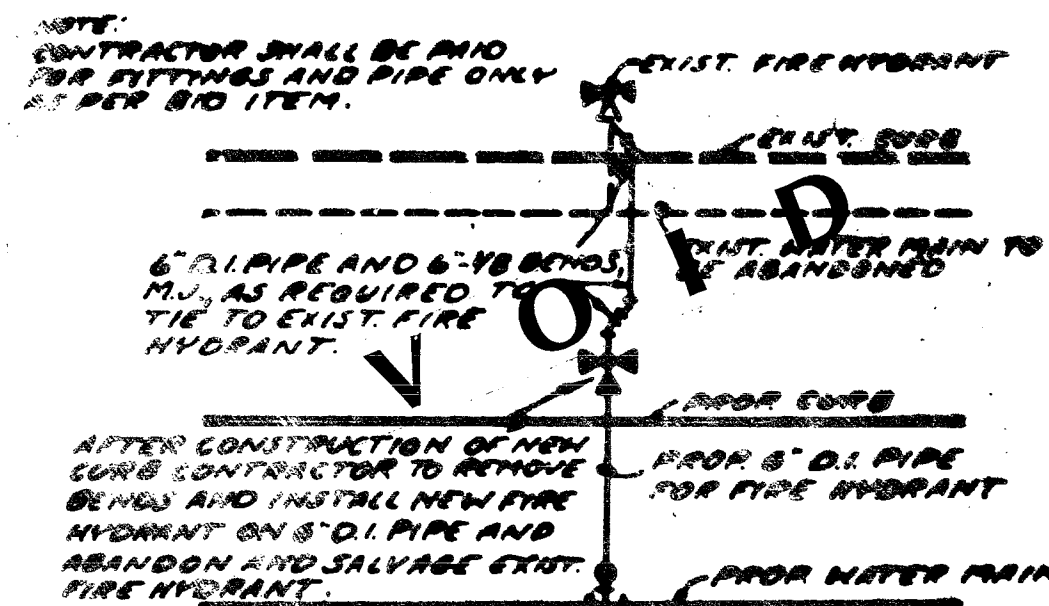
NOTE:

EXISTING STREET CAR TRACKS IN
DOLOROSA STREET. FOR TYPICAL
STREET CAR TRACK DETAIL SEE
SHEET C.W.B. 3 OF 15.

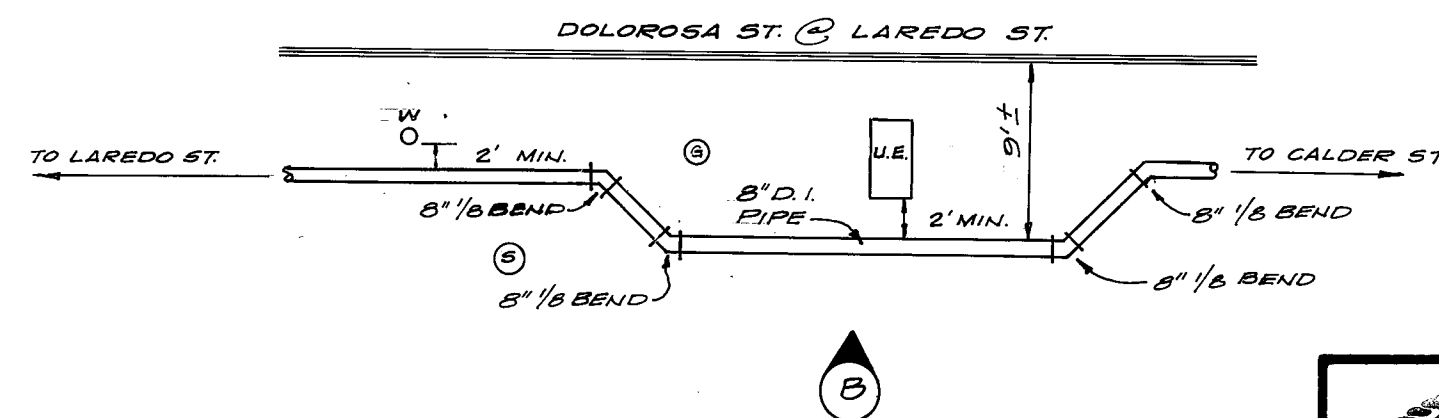
LEGEND

- | | |
|----------------------------------|------------------------|
| WATER VALVE | PARKING METER |
| WATER METER | BUILDING FIRE LINE |
| TRAFFIC LIGHT | PAY PHONE |
| TRAFFIC LIGHT & STREET LIGHT | ADVERTISING SIGN |
| STREET SIGN | GRATE INLET |
| FIRE HYDRANT | PLANTER-FIXED PLANTER |
| C.P.S.B. METER BOX | ELECTRIC METER |
| TRASH CONTAINER | TELEPHONE JUNCTION BOX |
| STREET LIGHT | TRAFFIC CONTROL BOX |
| FLOWER POT | COLUMN |
| WHEEL CHAIR RAMP | MAILBOX |
| C.P.S.B. VAULT AIR VENT | SERVICE POLE |
| BASEMENT / C.P.S.B. VAULT ACCESS | POWER POLE |
| CURB INLET | GUARD POST |
| C.P.S.B. VAULT | FLAG POLE |
| BASEMENT SKYLIGHT | ELECTRIC JUNCTION BOX |
| | USGS BENCHMARK |
-
- | | |
|---------------------------------------|-------|
| ROAD DRAIN | RD |
| WATER LINE W/ WATER VALVE | W |
| GAS LINE W/ GAS VALVE | G |
| UNDERGROUND ELECTRIC LINE W/ MANHOLE | UE |
| WESTERN UNION LINE W/ MANHOLE | WU |
| UNDERGROUND TELEPHONE LINE W/ MANHOLE | UT |
| STORM DRAIN W/ MANHOLE | SD |
| SANITARY SEWER LINE W/ MANHOLE | SS |
| UNDERGROUND CABLE TV | CA TV |
| COMPUTER CABLE CONDUIT | CC |

LIMITS OF CONSTRUCTION FOR
TRI-PARTY DOLOROSA ST.

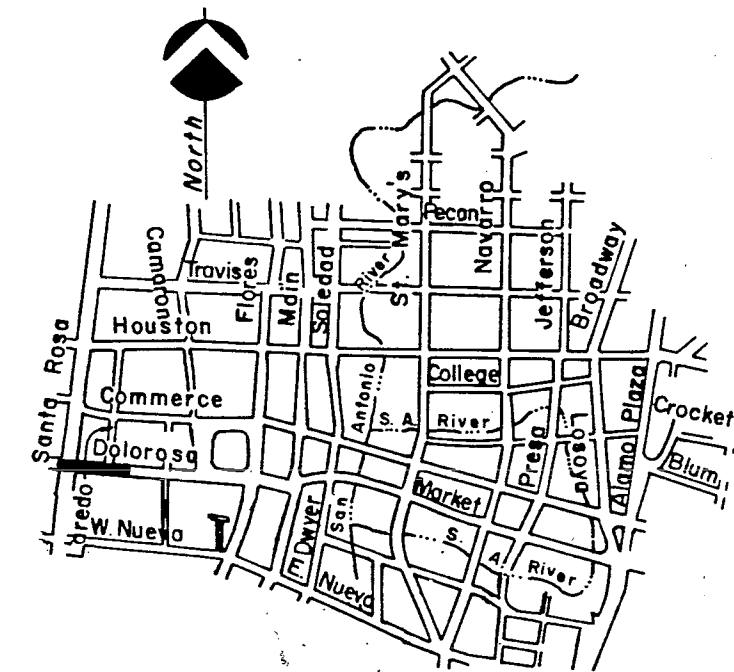


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SITE DIAGRAM

LEGEND	
PROPOSED WATER MAIN	---
EXIST. WATER MAIN	---
GAS MAIN	---
SANITARY SEWER	---
STORM SEWER	---
UTILITY POLE LINE	---
ELECTRIC CABLE	---
TELEPHONE CABLE	---
RESISTIVITY READING	---
NEW SERVICE:	---
3/4" OR LARGER	---
SERVICE RECONNECT:	---
3/4" OR LARGER	---
SERVICE RELAY:	---
3/4" OR LARGER	---
SERVICE RELOCATE:	---
3/4" OR LARGER	---
RELOCATE METER	---

REVISIONS	
1	APPENDIX No. 3
2	FIELD ALTERATION No. 1
REVISED MAIN & SERVICES AND DELETED TEMPORARY CONNECTIONS (R/W) ARE HYDRANT	
No.	DESCRIPTION
1	FIELD ALTERATION No. 1
2	FIELD ALTERATION No. 2
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REVISIONS	
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2	FIELD ALTERATION No. 1
3	FIELD ALTERATION No. 2
4	FIELD ALTERATION No. 3
5	FIELD ALTERATION No. 4
6	FIELD ALTERATION No. 5
7	FIELD ALTERATION No. 6
8	FIELD ALTERATION No. 7
9	FIELD ALTERATION No. 8
10	FIELD ALTERATION No. 9
11	FIELD ALTERATION No. 10
12	FIELD ALTERATION No. 11
13	FIELD ALTERATION No. 12

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE

DRAWING NUMBER

WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE

DOWNTOWN TRIPARTY



1108827

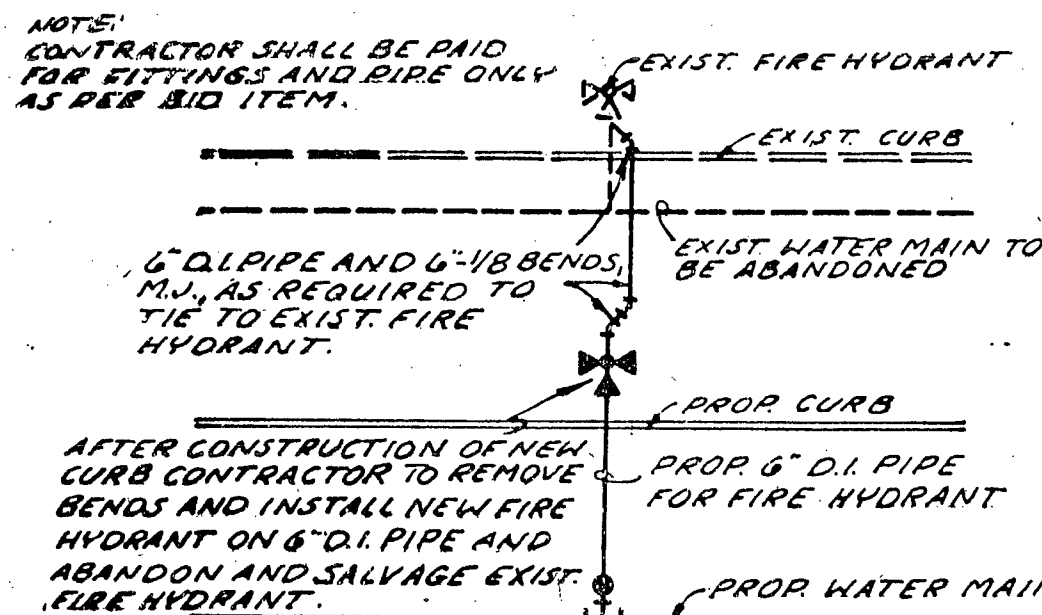
NOTE:
EXISTING STREET CAR TRACKS IN
DOLOROSA STREET. FOR TYPICAL
STREET CAR TRACK DETAIL, SEE
SHEET C.W.B. 3 OF 15.

LEGEND

- WATER VALVE
- WATER METER
- TRAFFIC LIGHT
- TRAFFIC LIGHT & STREET LIGHT
- STREET SIGN
- FIRE HYDRANT
- C.P.S.B. METER BOX
- TRASH CONTAINER
- STREET LIGHT
- FLOWER POT
- WHEEL CHAIR RAMP
- C.P.S.B. VAULT AIR VENT
- BASEMENT / C.P.S.B. VAULT ACCESS
- CURB INLET
- C.P.S.B. VAULT
- BASEMENT SKYLIGHT

- ROOF DRAIN
- WATER LINE W/ WATER VALVE
- GAS LINE W/ GAS VALVE
- UNDERGROUND ELECTRIC LINE W/ MANHOLE
- WESTERN UNION LINE W/ MANHOLE
- UNDERGROUND TELEPHONE LINE W/ MANHOLE
- STORM DRAIN W/ MANHOLE
- SANITARY SEWER LINE W/ MANHOLE
- UNDERGROUND CABLE T.V.
- COMPUTER CABLE CONDUIT

- PARKING METER
- BUILDING FIRE LINE
- PAY PHONE
- ADVERTISING SIGN
- GRATE INLET
- PLANTER-FIXED PLANTER
- ELECTRIC METER
- TELEPHONE JUNCTION BOX
- TRAFFIC CONTROL BOX
- COLUMN
- MAILBOX
- SERVICE POLE
- POWER POLE
- GUARD POST
- FLAG POLE
- ELECTRIC JUNCTION BOX
- USGS BENCHMARK



NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

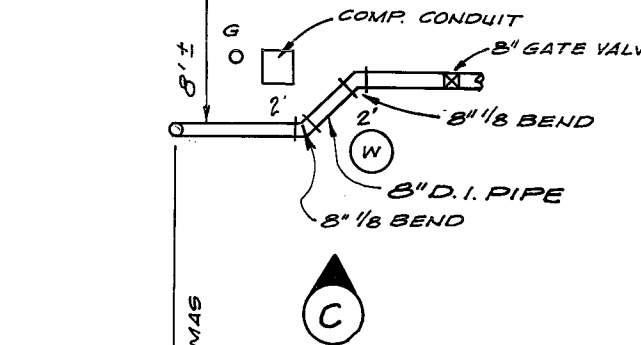
Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

TRENCH EXCAVATION PROTECTION

ABANDON EXISTING 6" C.I. MAIN

ABANDON EXISTING 6" C.I. MAIN

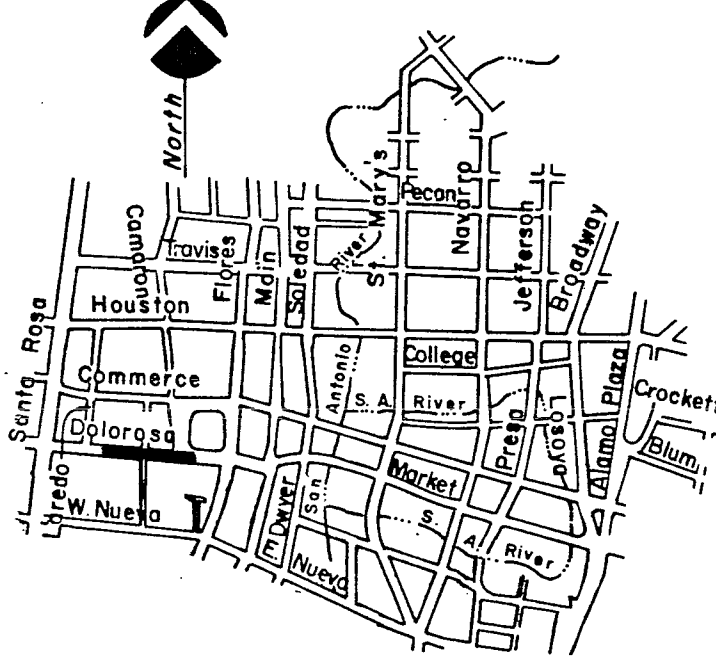
PLAZA DE ARMAS @ DOLOROSA ST.



SITE DIAGRAM

LEGEND		1	ADDITIONAL No. 3	2/7/88		
PROP WATER MAIN		2	FIELD ALTERATION No. 1			
EXIST WATER MAIN			RELOCATED FIRE HYDRANT	<i>1/4</i> 7/29/00		
GAS MAIN			FIELD ALTERATION No. 1 REVISOR	6/3/00		
SANITARY SEWER		No	DESCRIPTION	DRAWN	APPROVED	DATE
STORM SEWER						
UTILITY POLE LINE						
ELECTRIC CABLE						
TELEPHONE CABLE						
RESISTIVITY READING						
NEW SERVICE:						
3/4"						
1" OR LARGER						
SERVICE RECONNECT:						
3/4"						
1" OR LARGER						
SERVICE RELAY:						
3/4"						
1" OR LARGER						
SERVICE RELOCATE:						
3/4"						
1" OR LARGER						
RELOCATE METER						

 CITY OF WATER BOARD	DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT		
	DESIGN PACKAGE		
	TWO COMMERCE / MARKET		
	SUNLAND		
DEVELOPER	C.W.B.		
CONT.	BUDGET PROJ. #34, #37		
SUBMITTED	PAPE-DANSON CONSULTING ENGINEERS, INC.		
APPROVED	<i>[Signature]</i> 12/1/88		
MAP NO.			SHEET
SECTION No.			C.W.B. 7
Dr.	Ch.	JOB NO. 87-5305	OF 15



DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548

DRAWING NUMBER

WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548

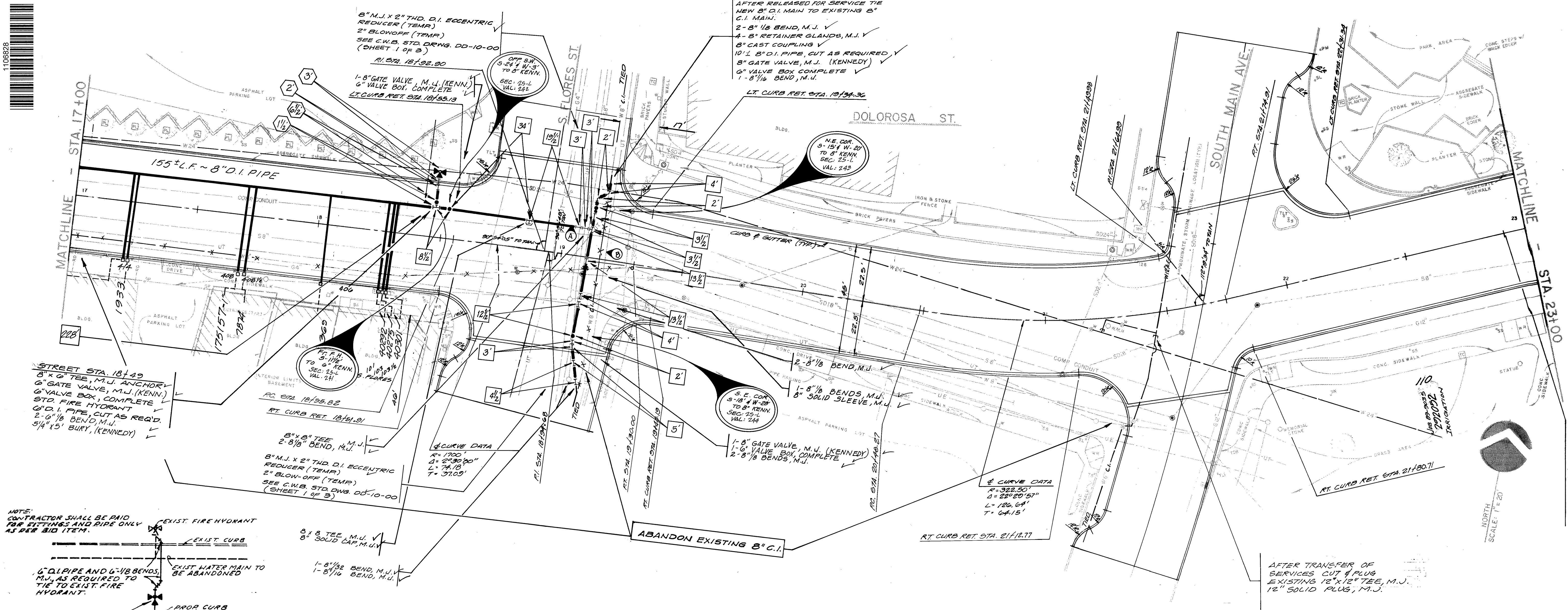
DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07548



1106828

DOWNTOWN TRIPARTY



NOTES:

CONTRACTOR SHALL BE PAID FOR FITTINGS AND PIPE ONLY AS PER BID ITEM.

EXISTING FIRE HYDRANT
EXISTING WATER MAIN TO BE ABANDONED
6" D.I. PIPE AND 6" V.B. BENDS, M.J., AS REQUIRED TO TIE TO EXIST. FIRE HYDRANT.

AFTER CONSTRUCTION OF NEW CURB CONTRACTOR TO REMOVE BENDS AND INSTALL NEW FIRE HYDRANT ON 6" D.I. PIPE AND ABANDON AND SALVAGE EXIST. FIRE HYDRANT.

6" TEMPORARY CONNECTION FOR FIRE HYDRANT

N.T.S.

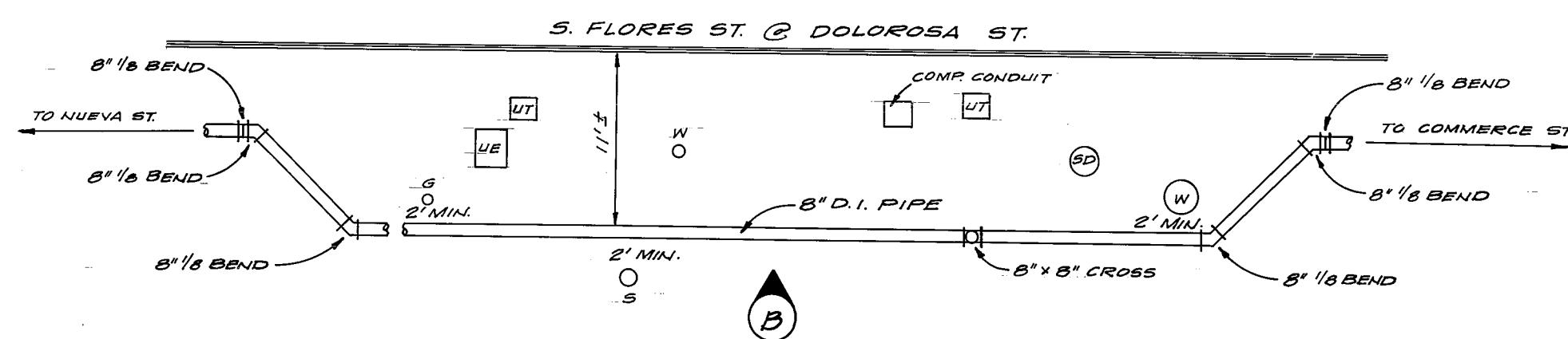
NOTE:

EXISTING STREET CAR TRACKS IN DOLOROSA, S. FLORES, & S. MAIN STREETS. FOR TYPICAL STREET CAR TRACK DETAIL, SEE SHEET C.W.B. 3 OF 15.

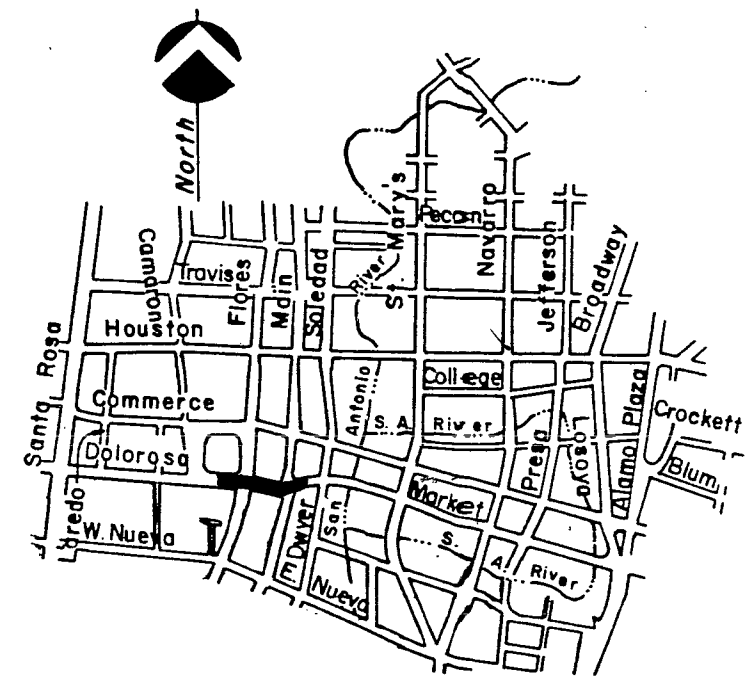
LEGEND

- | | |
|----------------------------------|------------------------|
| WATER VALVE | PARKING METER |
| WATER METER | BUILDING FIRE LINE |
| TRAFFIC LIGHT | PAY PHONE |
| TRAFFIC LIGHT & STREET LIGHT | ADVERTISING SIGN |
| STREET SIGN | GRATE INLET |
| FIRE HYDRANT | PLANTER-FIXED PLANTER |
| C.P.S.B. METER BOX | ELECTRIC METER |
| TRASH CONTAINER | TELEPHONE JUNCTION BOX |
| STREET LIGHT | TRAFFIC CONTROL BOX |
| FLOWER POT | COLUMN |
| WHEEL CHAIR RAMP | MALBOX |
| C.P.S.B. VAULT AIR VENT | SERVICE POLE |
| BASEMENT / C.P.S.B. VAULT ACCESS | POWER POLE |
| CURB INLET | GUARD POST |
| C.P.S.B. VAULT | FLAG POLE |
| BASEMENT SKYLIGHT | ELECTRIC JUNCTION BOX |
| | USGS BENCHMARK |
-
- | | |
|---------------------------------------|--------------|
| ROOF DRAIN | RD |
| WATER LINE W/ WATER VALVE | W |
| GAS LINE W/ GAS VALVE | G |
| UNDERGROUND ELECTRIC LINE W/ MANHOLE | UE |
| WESTERN UNION LINE W/ MANHOLE | WU |
| UNDERGROUND TELEPHONE LINE W/ MANHOLE | UT |
| STORM DRAIN W/ MANHOLE | SD |
| SANITARY SEWER LINE W/ MANHOLE | S |
| UNDERGROUND CABLE T.V. | CA TV |
| COMPUTER CABLE CONDUIT | COM. CONDUIT |

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.



Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



SITE DIAGRAM

LEGEND	
PROF. WATER MAIN	6" D.I. PIPE
EXIST. WATER MAIN	6" V.B. BEND
GAS MAIN	6" V.B. BEND
SANITARY SEWER	6" V.B. BEND
STORM SEWER	6" V.B. BEND
UTILITY POLE LINE	6" V.B. BEND
ELECTRIC CABLE	6" V.B. BEND
TELEPHONE CABLE	6" V.B. BEND
RESISTIVITY READING	6" V.B. BEND
NEW SERVICE:	6" V.B. BEND
1" OR LARGER	6" V.B. BEND
SERVICE RECONNECT:	6" V.B. BEND
3/4"	6" V.B. BEND
1" OR LARGER	6" V.B. BEND
SERVICE RELAY:	6" V.B. BEND
3/4"	6" V.B. BEND
1" OR LARGER	6" V.B. BEND
SERVICE RELOCATE:	6" V.B. BEND
3/4"	6" V.B. BEND
1" OR LARGER	6" V.B. BEND
RELOCATE METER	6" V.B. BEND

1. ADDENDUM No. 3		2/7/88		
2. ALTERATION No. 1		4/2/88		
REVISED MAIN		SR 6/3/88		
No.	Description	DRAWN	APPROVED	DATE
REVISIONS				
DOWNTOWN TRIPARTY				
TRANSPORTATION IMPROVEMENTS				
PROJECT				
DESIGN PACKAGE				
TWO COMMERCE / MARKET				
DEVELOPER C.N.B.				
CONT. BUDGET PROJ. #34, #37				
SUBMITTED PRE-CONSTRUCTION ENGINEERS, INC.				
APPROVED 12-1-88				
MAP NO.				
SECTION No.				
Dr. JOB NO. 87-5305 OF 15				

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548

DRAWING NUMBER

WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED NUMBER 07548



DOWNTOWN TRIPARTY

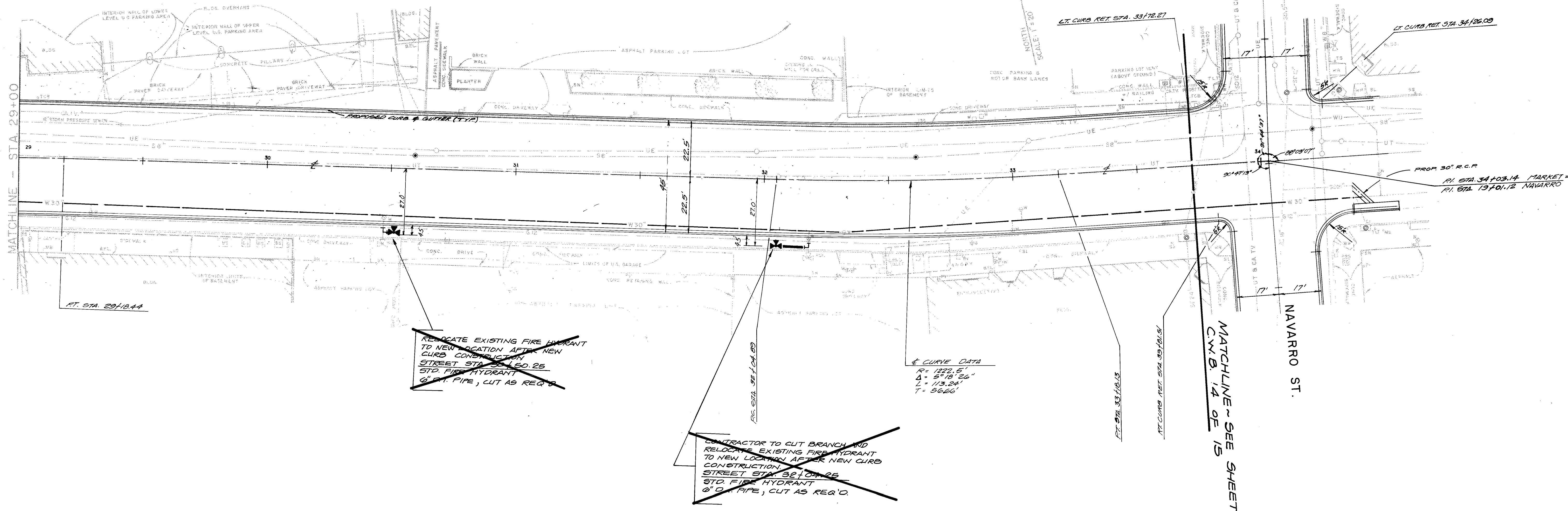
NOTE:

EXISTING STREET CAR TRACKS IN
WEST MARKET & NAVARRO STREETS.
FOR TYPICAL STREET CAR TRACK
DETAIL, SEE SHEET C.W.B. 3 OF 15.

LEGEND

- | | |
|----------------------------------|------------------------|
| WATER VALVE | PARKING METER |
| WATER METER | BUILDING FIRE LINE |
| TRAFFIC LIGHT | PAY PHONE |
| TRAFFIC LIGHT & STREET LIGHT | ADVERTISING SIGN |
| STREET SIGN | GRATE INLET |
| FIRE HYDRANT | PLANTER-FIXED PLANTER |
| C.P.S.B. METER BOX | ELECTRIC METER |
| TRASH CONTAINER | TELEPHONE JUNCTION BOX |
| STREET LIGHT | TRAFFIC CONTROL BOX |
| FLOWER POT | COLUMN |
| WHEEL CHAIR RAMP | MAILBOX |
| C.P.S.B. VAULT AIR VENT | SERVICE POLE |
| BASEMENT / C.P.S.B. VAULT ACCESS | POWER POLE |
| CURB INLET | GUARD POST |
| C.P.S.B. VAULT | FLAG POLE |
| BASEMENT SKYLIGHT | ELECTRIC JUNCTION BOX |
| | USGS BENCHMARK |
-
- | | |
|---------------------------------------|---------------|
| ROOF DRAIN | RD |
| WATER LINE W/ WATER VALVE | W |
| GAS LINE W/ GAS VALVE | G |
| UNDERGROUND ELECTRIC LINE W/ MANHOLE | UE |
| WESTERN UNION LINE W/ MANHOLE | WU |
| UNDERGROUND TELEPHONE LINE W/ MANHOLE | UT |
| STORM DRAIN W/ MANHOLE | SD |
| SANITARY SEWER LINE W/ MANHOLE | S |
| UNDERGROUND CABLE TV | CA TV |
| COMPUTER CABLE CONDUIT | COMP. CONDUIT |

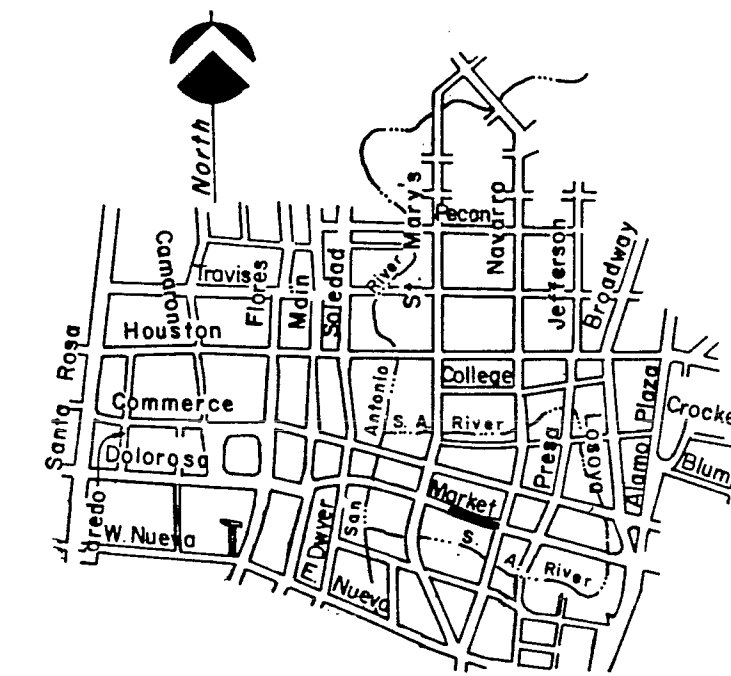
WEST MARKET ST.



"DELETE"

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



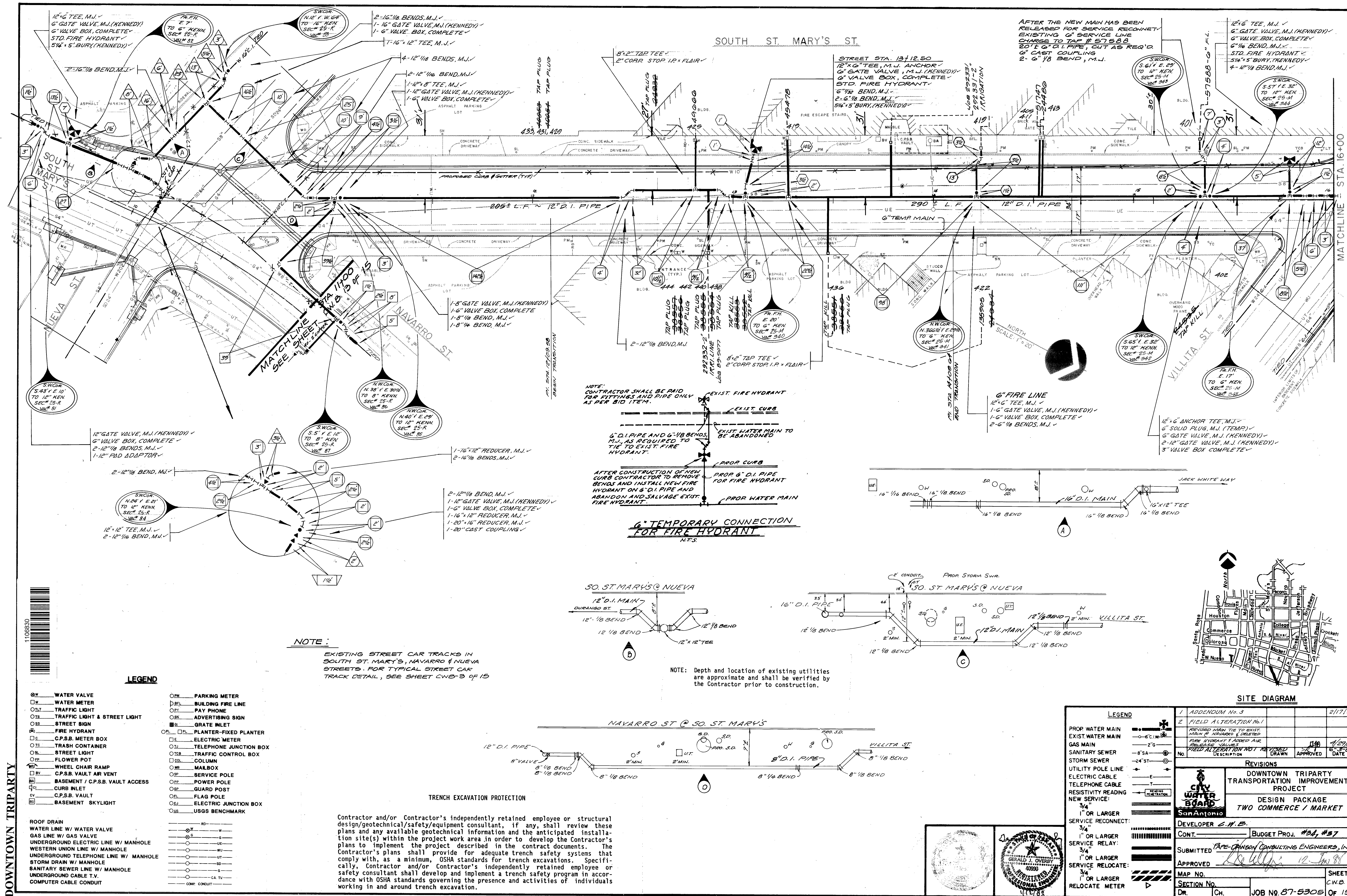
SITE DIAGRAM

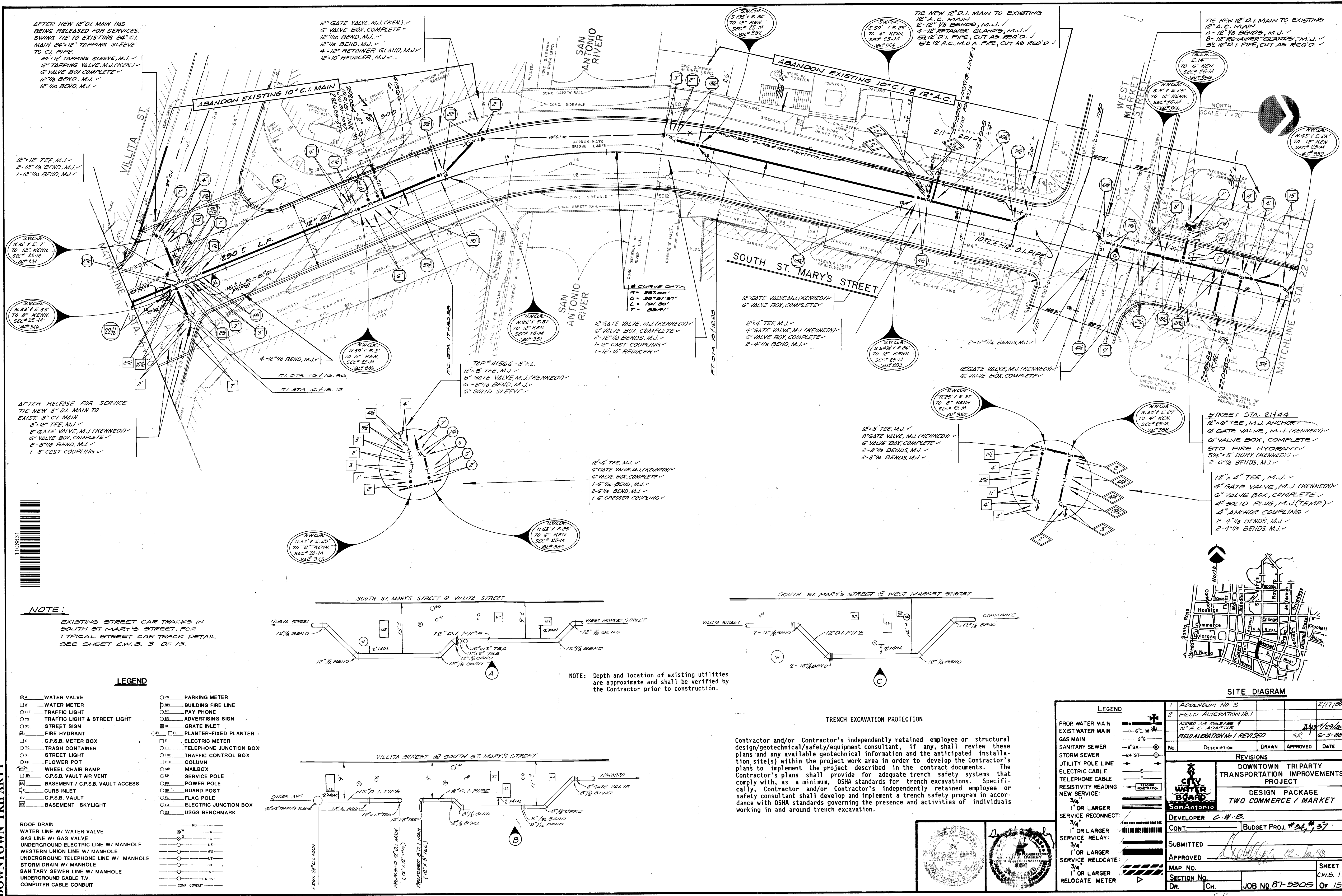
LEGEND	
PROP. WATER MAIN	EXIST. WATER MAIN
GAS MAIN	SANITARY SEWER
STORM SEWER	UTILITY POLE LINE
ELECTRIC CABLE	TELEPHONE CABLE
RESISTIVITY READING	NEW SERVICE:
1" OR LARGER	SERVICE RECONNECT:
1" OR LARGER	SERVICE RELAY:
1" OR LARGER	SERVICE RELOCATE:
1" OR LARGER	RELOCATE METER

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	FIELD ALTERATION No. 1		
	FIELD ALTERATION No. 1 REVISED		

DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT	
DESIGN PACKAGE TWO COMMERCE / MARKET	
DEVELOPER	C.H.B.
CONT.	BUDGET PROJ. #34, #37
SUBMITTED	PAPE DAVENON CONSULTING ENGINEERS, INC.
APPROVED	
MAP NO.	
SECTION No.	
Dr.	Ch. R.

SHEET	C.W.B. 9
Of	15





DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

WATER

DRAWING NUMBER

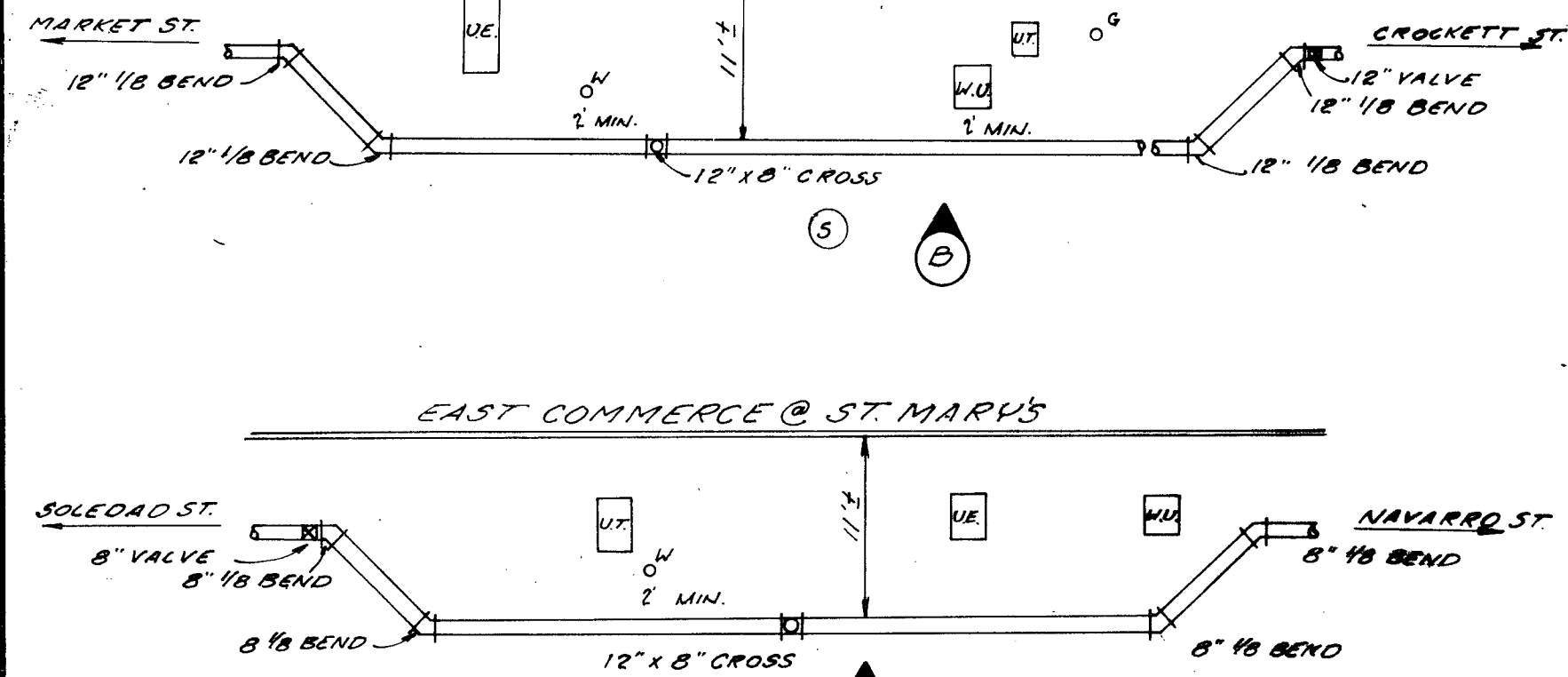
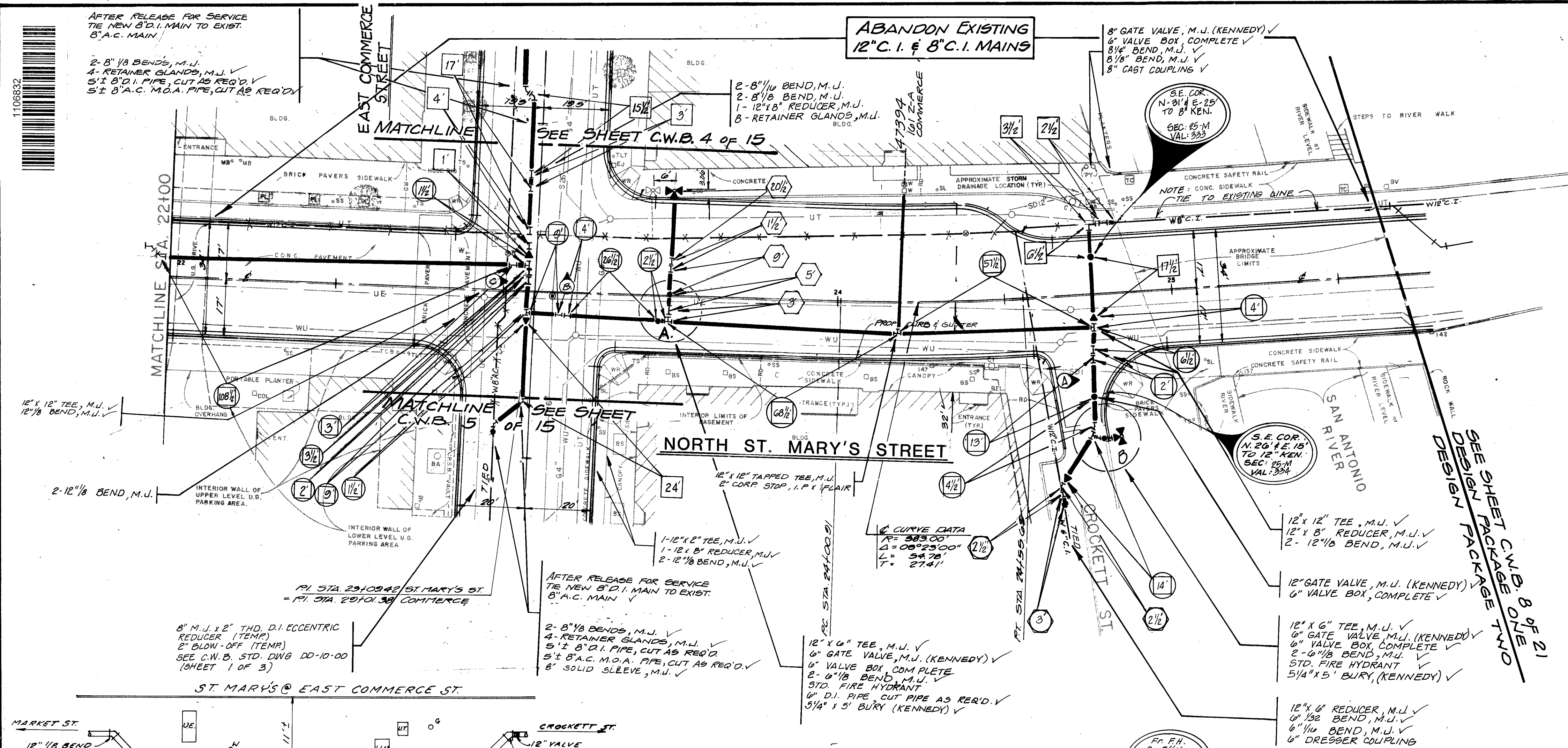
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 0754R

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 0754R

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 0754R

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REDESIGNED BY NUMBER 0754R

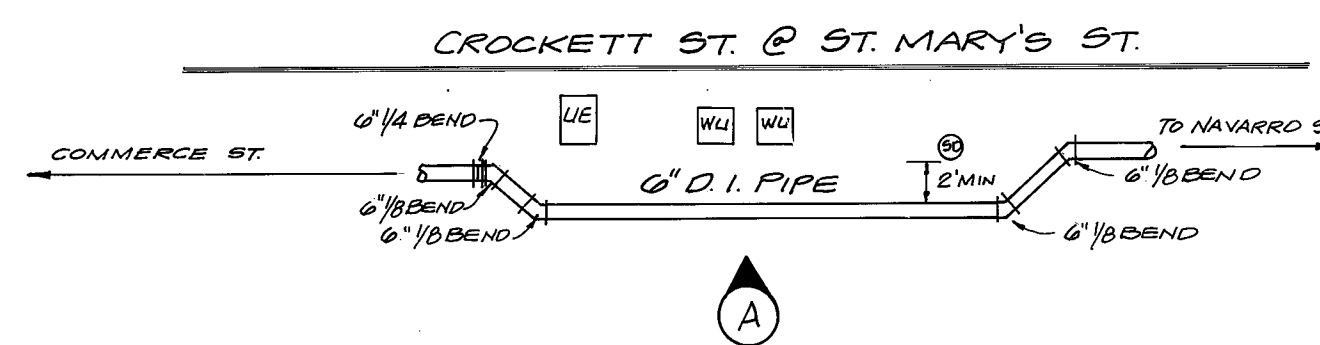
DOWNTOWN TRIPARTY



NOTE:
EXISTING STREET CAR TRACKS IN NORTH ST. MARY'S & E. COMMERCE STREETS. FOR TYPICAL STREET CAR TRACK DETAIL, SEE SHEET C.W.B. 3 OF 15.

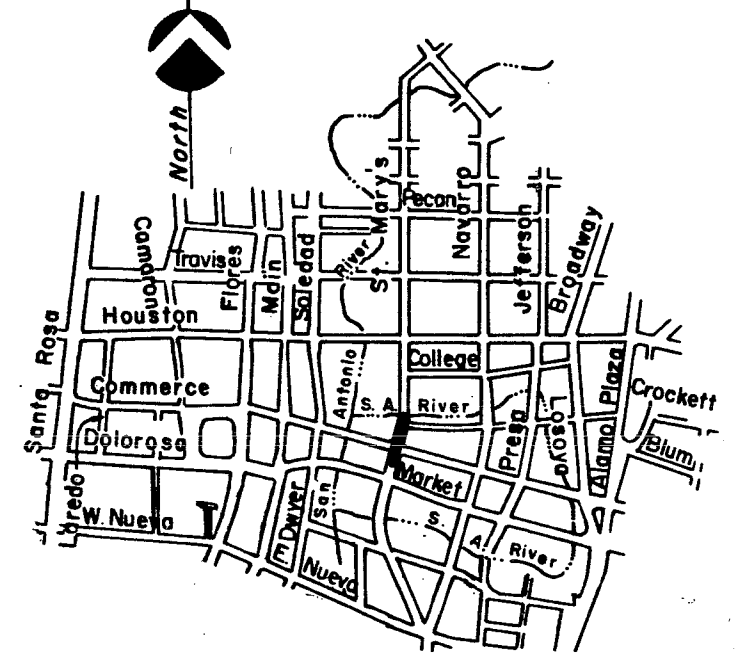
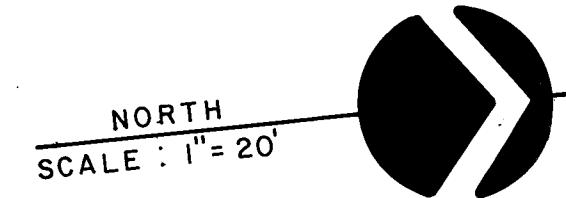
NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

- LEGEND**
- | | |
|----------------------------------|------------------------|
| WATER VALVE | PARKING METER |
| WATER METER | BUILDING FIRE LINE |
| TRAFFIC LIGHT | PAY PHONE |
| TRAFFIC LIGHT & STREET LIGHT | ADVERTISING SIGN |
| STREET SIGN | GRATE INLET |
| FIRE HYDRANT | PLANTER-FIXED PLANTER |
| C.P.S.B. METER BOX | ELECTRIC METER |
| TRASH CONTAINER | TELEPHONE JUNCTION BOX |
| STREET LIGHT | TRAFFIC CONTROL BOX |
| FLOWER POT | COLUMN |
| WHEEL CHAIR RAMP | MARLBX |
| C.P.S.B. VAULT AIR VENT | SERVICE POLE |
| BASEMENT / C.P.S.B. VAULT ACCESS | POWER POLE |
| CURB INLET | GUARD POST |
| C.P.S.B. VAULT | FLAG POLE |
| BASEMENT SKYLIGHT | ELECTRIC JUNCTION BOX |
| | USGS BENCHMARK |
- ROOM DRAIN**
- | | |
|---------------------------------------|---------------|
| WATER LINE W/ WATER VALVE | RD |
| GAS LINE W/ GAS VALVE | W |
| UNDERGROUND ELECTRIC LINE W/ MANHOLE | G |
| WESTERN UNION LINE W/ MANHOLE | UE |
| UNDERGROUND TELEPHONE LINE W/ MANHOLE | UT |
| STORM DRAIN W/ MANHOLE | SD |
| SANITARY SEWER LINE W/ MANHOLE | S |
| UNDERGROUND CABLE T.V. | CA TV |
| COMPUTER CABLE CONDUIT | COMP. CONDUIT |



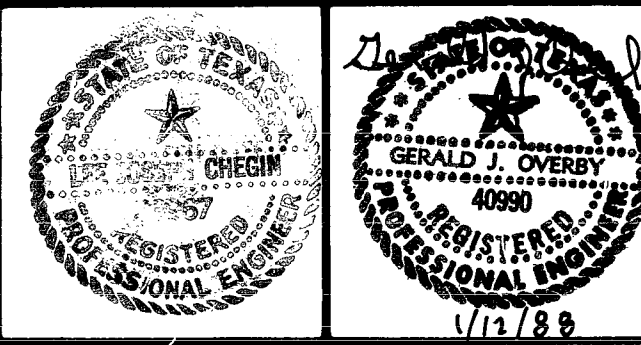
TRENCH EXCAVATION PROTECTION

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LEGEND			
PROP. WATER MAIN	— 6\"		
EXIST. WATER MAIN	— 2\"		
GAS MAIN	— 8\"		
SANITARY SEWER	— 24\"		
STORM SEWER	— 24\"		
UTILITY POLE LINE	—		
ELECTRIC CABLE	—		
TELEPHONE CABLE	—		
RESISTIVITY READING NEW SERVICE	—		
1\" OR LARGER	—		
SERVICE RECONNECT	—		
1\" OR LARGER	—		
SERVICE RELAY	—		
1\" OR LARGER	—		
SERVICE RELOCATE	—		
1\" OR LARGER	—		
RELOCATE METER	—		

SITE DIAGRAM			
1 APPENDIX NO. 3			2/17/88
2 FIELD ALTERATION NO. 1			
REVISIONS			
FIELD ALTERATION NO. 1	REVISED	SR	6-3-88
REVISIONS			
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT			
DESIGN PACKAGE TWO COMMERCE / MARKET			
DEVELOPER	C.H.B.		
CONT.	BUDGET PROJ. #34, #37		
SUBMITTED	ARE-JANSON CONSULTING ENGINEERS, INC.		
APPROVED			
MAP NO.			
SECTION NO.			
DR.	CH.	JOB NO. 87-5305	OF 15



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
WATER

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION BY NUMBER/DATE



1108833

DOWNTOWN TRIPARTY

- LEGEND**
- | | |
|----------------------------------|------------------------|
| WATER VALVE | PARKING METER |
| WATER METER | BUILDING FIRE LINE |
| TRAFFIC LIGHT | PAY PHONE |
| TRAFFIC LIGHT & STREET LIGHT | ADVERTISING SIGN |
| STREET SIGN | GRATE INLET |
| FIRE HYDRANT | PLANTER-FIXED PLANTER |
| C.P.S.B. METER BOX | ELECTRIC METER |
| TRASH CONTAINER | TELEPHONE JUNCTION BOX |
| STREET LIGHT | TRAFFIC CONTROL BOX |
| FLOWER POT | COLUMN |
| WHEEL CHAIR RAMP | MAILBOX |
| C.P.S.B. VAULT AIR VENT | SERVICE POLE |
| BASEMENT / C.P.S.B. VAULT ACCESS | POWER POLE |
| CURB INLET | GUARD POST |
| C.P.S.B. VAULT | FLAG POLE |
| BASEMENT SKYLIGHT | ELECTRIC JUNCTION BOX |
| | USGS BENCHMARK |
- ROOF DRAIN
WATER LINE W/ WATER VALVE
GAS LINE W/ GAS VALVE
UNDERGROUND ELECTRIC LINE W/ MANHOLE
WESTERN UNION LINE W/ MANHOLE
UNDERGROUND TELEPHONE LINE W/ MANHOLE
STORM DRAIN W/ MANHOLE
SANITARY SEWER LINE W/ MANHOLE
UNDERGROUND CABLE TV
COMPUTER CABLE CONDUIT

- NOTE:**
- EXISTING STREET CAR TRACKS IN
NAVARRO & S. ST. MARY'S STREETS.
FOR TYPICAL STREET CAR TRACK
DETAIL, SEE SHEET C.W.B. 9 OF 15
- WATER VALVE
WATER METER
TRAFFIC LIGHT
TRAFFIC LIGHT & STREET LIGHT
STREET SIGN
FIRE HYDRANT
C.P.S.B. METER BOX
TRASH CONTAINER
STREET LIGHT
FLOWER POT
WHEEL CHAIR RAMP
C.P.S.B. VAULT AIR VENT
BASEMENT / C.P.S.B. VAULT ACCESS
CURB INLET
C.P.S.B. VAULT
BASEMENT SKYLIGHT

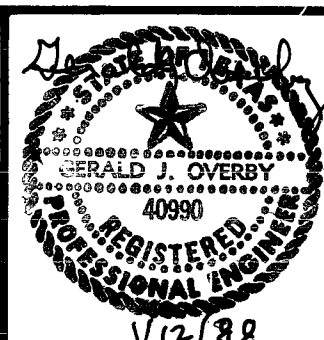
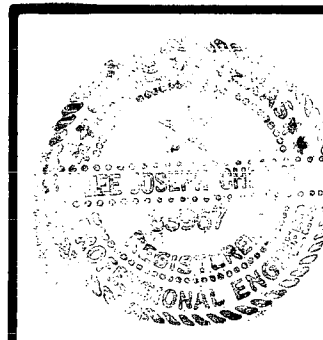
NOTE:

EXISTING STREET CAR TRACKS IN
NAVARRO & S. ST. MARY'S STREETS.
FOR TYPICAL STREET CAR TRACK
DETAIL, SEE SHEET C.W.B. 9 OF 15

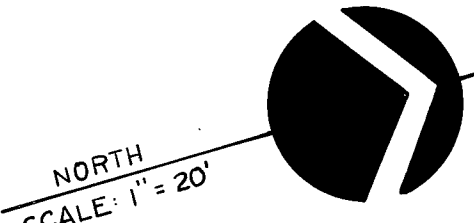
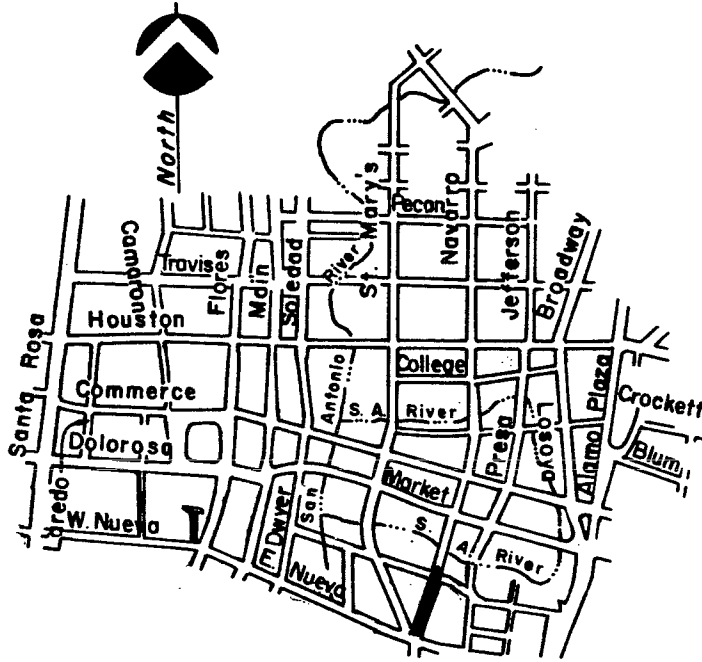
NOTE: Depth and location of existing utilities
are approximate and shall be verified by
the Contractor prior to construction.

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



SITE DIAGRAM			
No.	Description	DRAWN	APPROVED
1	APPENDIX No. 3		2/17/88
2	FIELD ALTERATION No. 1		2/17/88
DELETED MAIN & REVISED SERVICES			
FIELD ALTERATION No. 1 REVISED			
SR 6/3/88			
REVISIONS			
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT			
DESIGN PACKAGE TWO COMMERCE / MARKET			
DEVELOPER C.W.B.			
CONTRACT BUDGET PROJ. #24, #37			
SUBMITTED PAVE DESIGN CONSULTING ENGINEERS, INC.			
APPROVED			
MAP NO.			
SECTION No.			
JOB NO. 87-5305 OF 15			



DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 07248

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 07248

DRAWING NUMBER

WATER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 07248

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RENDERED BY NUMBER 07248



1106834

DOWNTOWN TRIPARTY

NOTE:
EXISTING STREET CAR TRACK
NAVARRO & E. COMMERCE STREETS.
FOR TYPICAL STREET CAR TRACK
DETAIL, SEE SHEET CWB-3 OF 15.

LEGEND

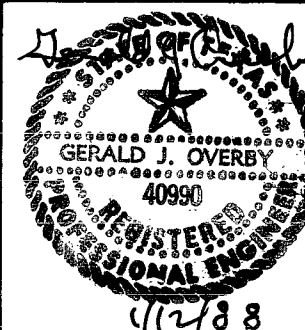
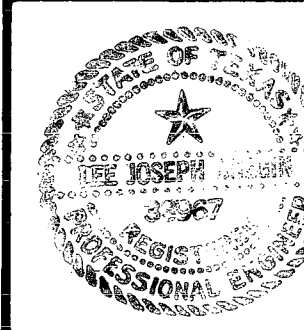
- | | |
|------------------------------------|---------------------------|
| WM WATER VALVE | PM PARKING METER |
| WM WATER METER | BFL BUILDING FIRE LINE |
| TLT TRAFFIC LIGHT | PP PAY PHONE |
| TLT TRAFFIC LIGHT & STREET LIGHT | ASL ADVERTISING SIGN |
| SS STREET SIGN | GI GRATE INLET |
| FD FIRE HYDRANT | PL PLANTER-FIXED PLANTER |
| CP.S.B. METER BOX | EL ELECTRIC METER |
| TC TRASH CONTAINER | TJ TELEPHONE JUNCTION BOX |
| SL STREET LIGHT | TCS TRAFFIC CONTROL BOX |
| FP FLOWER POT | CO COLUMN |
| WC WHEEL CHAIR RAMP | MB MAILBOX |
| CP.S.B. VAULT AIR VENT | SP SERVICE POLE |
| BS BASEMENT / CP.S.B. VAULT ACCESS | PP POWER POLE |
| CI CURB INLET | GP GUARD POST |
| CV CP.S.B. VAULT | OP FLAG POLE |
| BS BASEMENT SKYLIGHT | EJ ELECTRIC JUNCTION BOX |
| | UB USGS BENCHMARK |
-
- | | |
|---|---|
| RD ROOF DRAIN | RD ROOF DRAIN |
| WL WATER LINE W/ WATER VALVE | WL WATER LINE W/ WATER VALVE |
| GL GAS LINE W/ GAS VALVE | GL GAS LINE W/ GAS VALVE |
| UEL UNDERGROUND ELECTRIC LINE W/ MANHOLE | UEL UNDERGROUND ELECTRIC LINE W/ MANHOLE |
| WUL UNDERGROUND TELEPHONE LINE W/ MANHOLE | WUL UNDERGROUND TELEPHONE LINE W/ MANHOLE |
| SD STORM DRAIN W/ MANHOLE | SD STORM DRAIN W/ MANHOLE |
| SLL SANITARY SEWER LINE W/ MANHOLE | SLL SANITARY SEWER LINE W/ MANHOLE |
| UC UNDERGROUND CABLE T.V. | UC UNDERGROUND CABLE T.V. |
| CC COMPUTER CABLE CONDUIT | CC COMPUTER CABLE CONDUIT |

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

DELETED

TRENCH EXCAVATION PROTECTION

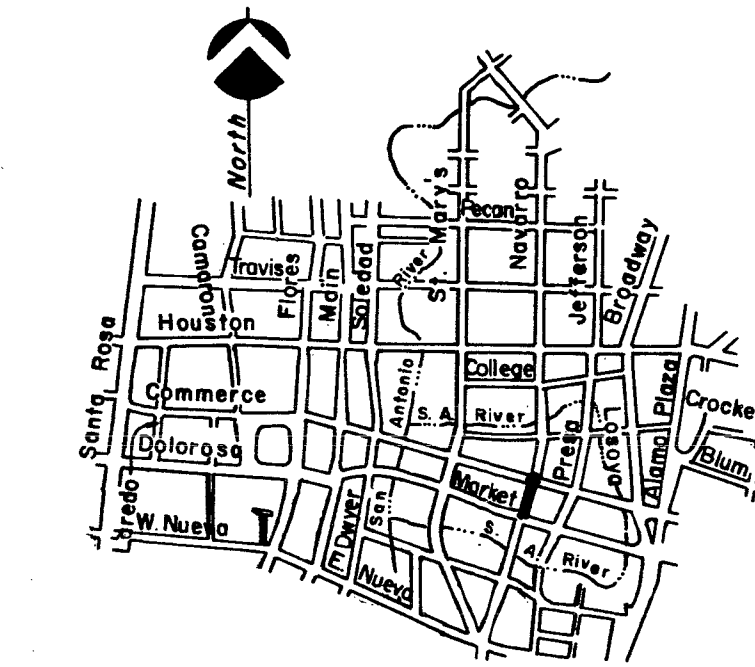
Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



LEGEND

- | | |
|---------------------|--------|
| PROP WATER MAIN | 6" CLW |
| EXIST. WATER MAIN | 6" CLW |
| GAS MAIN | 2" G |
| SANITARY SEWER | 8" SA |
| STORM SEWER | 24" ST |
| UTILITY POLE LINE | UT |
| ELECTRIC CABLE | E |
| TELEPHONE CABLE | T |
| RESISTIVITY READING | R |
| NEW SERVICE: | |
| 1" OR LARGER | |
| SERVICE RECONNECT: | |
| 3/4" | |
| 1" OR LARGER | |
| SERVICE RELAY: | |
| 3/4" | |
| 1" OR LARGER | |
| SERVICE RELOCATE: | |
| 3/4" | |
| 1" OR LARGER | |
| RELOCATE METER | |

SITE DIAGRAM



1	APPENDIX NO. 3	2/17/88
2	FIELD ALTERATION NO. 1	
	REVISED MAIN & SERVICES	4/29/88
	RELOCATE FIRE HYDRANT	
	FIELD ALTERATION NO. 1	REVISED 6-3-88
REVISIONS		
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT		
DESIGN PACKAGE TWO COMMERCE / MARKET		
DEVELOPER C.H.B.		
CONT. BUDGET PROJ. #24, #37		
SUBMITTED RIFE-OWEN CONSULTING ENGINEERS, INC.		
APPROVED		
MAP NO.		
SECTION NO.		
DR. CH. JOB NO. 97-5305 OF 15		

S.P.

2614.00

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

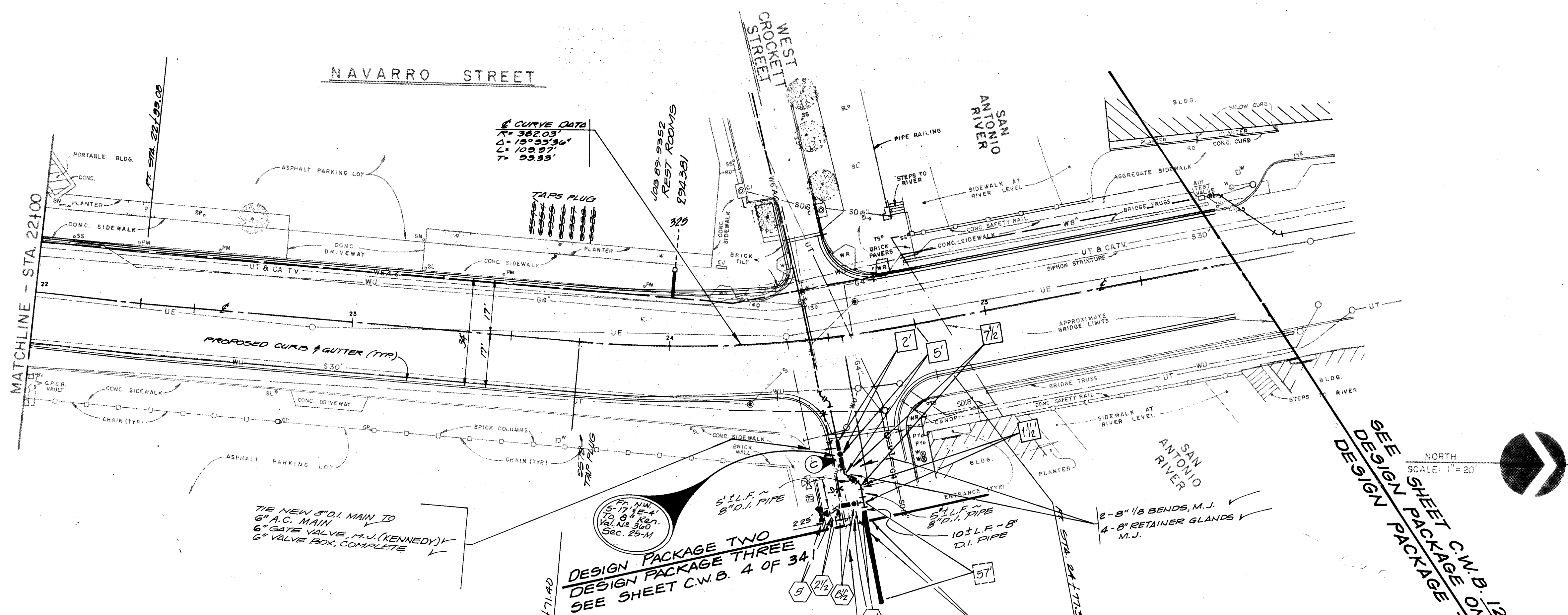
DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED BY NUMBER 07548
POSITION DATE OF PRINT ON THIS LINE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED BY NUMBER 07548
POSITION DATE OF PRINT ON THIS LINE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED BY NUMBER 07548
POSITION DATE OF PRINT ON THIS LINE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED BY NUMBER 07548
POSITION DATE OF PRINT ON THIS LINE



NOTE: CONTRACTOR SHALL BE PAID FOR FITTINGS AND PIPE ONLY AS PER BID ITEM.

EXIST. FIRE HYDRANT

EXIST. CURB

EXIST. WATER MAIN TO BE ABANDONED

PROPR CURB

PROPR 6" D.I. PIPE FOR FIRE HYDRANT

PROPR WATER MAIN

AFTER CONSTRUCTION OF NEW CURB CONTRACTOR TO REMOVE BENDS AND INSTALL NEW FIRE HYDRANT ON 6" D.I. PIPE AND ABANDON AND SALVAGE EXIST. FIRE HYDRANT.

6" TEMPORARY CONNECTION FOR FIRE HYDRANT

NOTE: EXISTING STREET CAR TRACKS IN NAVARRO STREET. FOR TYPICAL STREET CAR TRACK DETAIL, SEE SHEET C.W.B.-3 OF 15.

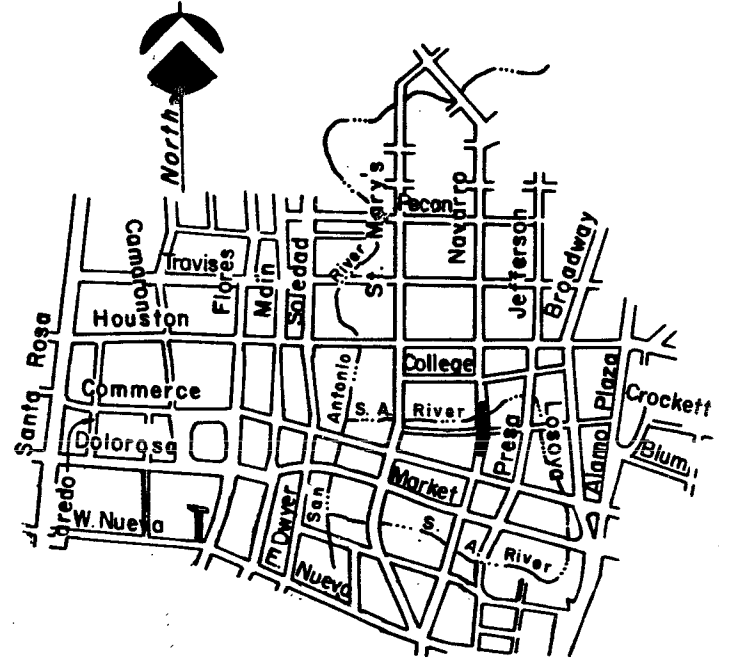
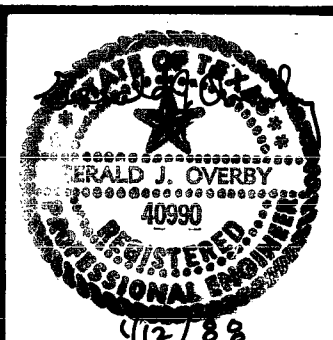
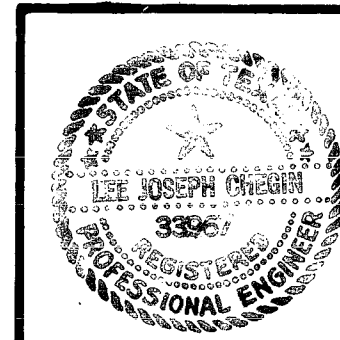
LEGEND

- | | |
|----------------------------------|------------------------|
| WATER VALVE | PARKING METER |
| WATER METER | BUILDING FIRE LINE |
| TRAFFIC LIGHT | PAY PHONE |
| TRAFFIC LIGHT & STREET LIGHT | ADVERTISING SIGN |
| STREET SIGN | GRATE INLET |
| FIRE HYDRANT | PLANTER-FIXED PLANTER |
| C.P.S.B. METER BOX | ELECTRIC METER |
| TRASH CONTAINER | TELEPHONE JUNCTION BOX |
| STREET LIGHT | TRAFFIC CONTROL BOX |
| FLOWER POT | COLUMN |
| WHEEL CHAIR RAMP | MAILBOX |
| C.P.S.B. VAULT AIR VENT | SERVICE POLE |
| BASEMENT / C.P.S.B. VAULT ACCESS | POWER POLE |
| CURB INLET | GUARD POST |
| C.P.S.B. VAULT | FLAG POLE |
| BASEMENT SKYLIGHT | ELECTRIC JUNCTION BOX |
| | USGS BENCHMARK |
-
- | | |
|---------------------------------------|---------------|
| ROOF DRAIN | RD |
| WATER LINE W/ WATER VALVE | W |
| GAS LINE W/ GAS VALVE | G |
| UNDERGROUND ELECTRIC LINE W/ MANHOLE | UE |
| WESTERN UNION LINE W/ MANHOLE | WU |
| UNDERGROUND TELEPHONE LINE W/ MANHOLE | UT |
| STORM DRAIN W/ MANHOLE | SD |
| SANITARY SEWER LINE W/ MANHOLE | S |
| UNDERGROUND CABLE T.V. | CA TV |
| COMPUTER CABLE CONDUIT | COMP. CONDUIT |

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

TRENCH EXCAVATION PROTECTION

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REVISIONS

No.	Description	DATE
1	ADDENDUM No. 3	3/7/88
2	FIELD RETENTION No. 1	
3	REVISION MARKS 1 SERVICES	4/27/88
4	FIELD ALTERATION No. 1 REVISED	5/3/88

DEVELOPER	C.W.B.
CONTRACT	BUDGET PROJ. #34, #37
SUBMITTED	PAVE-DANSON CONSULTING ENGINEERS, INC.
APPROVED	[Signature]
MAP NO.	
SECTION No.	
DR.	Ch.
JOB NO.	87-5305
SHEET	C.W.B. 15
OF	15



DOWNTOWN TRIPARTY
TRANSPORTATION IMPROVEMENTS
PROJECT
DESIGN PACKAGE THREE
ALAMO PLAZA

CITY WATER BOARD

#34, #37

12 Jan 88

16 T. 88

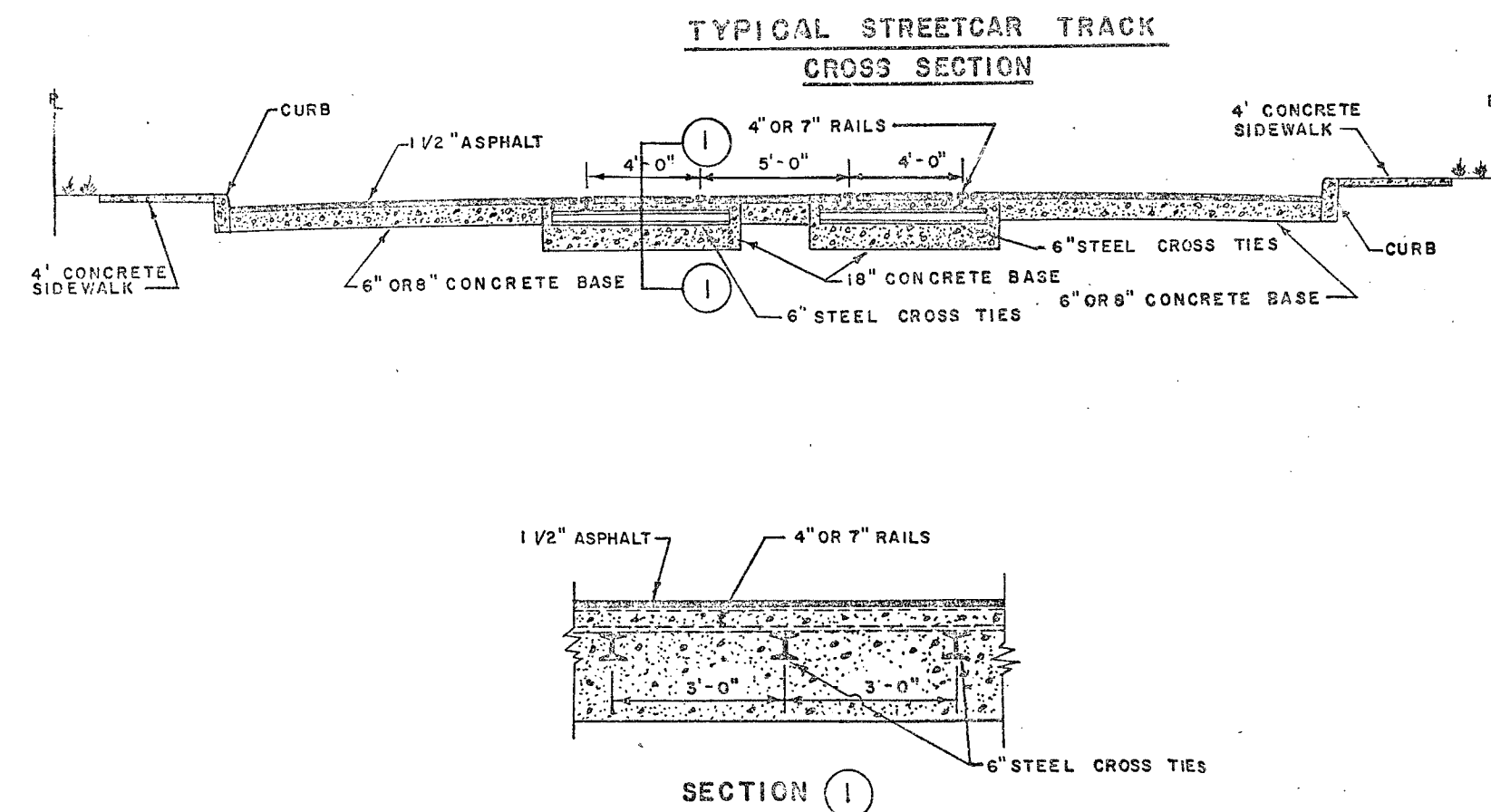
162-578, 164-576, 578

25-N

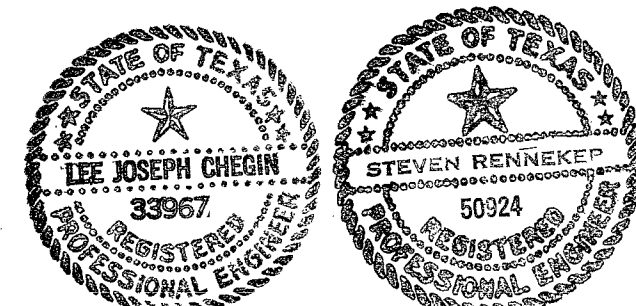
C.W.B.15A

87-5305 341

201475125



CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE
LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 954-4102.
CONTRACTOR TO PROTECT AND SUPPORT TELEPHONE
COMPANY PLANT DURING CONSTRUCTION.



ABANDON 8" A.C. WATER MAIN

Temporary 6" Main to Existing 8" Main, Misc. small fittings as req'd.
After Transfer of Service to New 8" D.I. Main, Remove Temporary 6" Main

Install New 8" D.I. Main
Below Storm Drain
T.O.P. Elev. = 634.53

After released for service, tie new 8" D.I. Main to Existing 8" A.C. Main
2-8" 1/2 Bends, M.J.
4-8" M.J. Retainer Glands
10' L.F. of 8" D.I. Pipe, cut as Req'd.
5' L.F. of 8" A.C. M.O.A. Pipe, cut as Req'd.

8" M.J. 2" Thr. D.I. Eccentric Reducer (Temp.)
Blowoff (Temp.)
See C.H.B. 514, DWG. DD-10-00
Sht. 1 of 3

2-8" 1/2 Tee, M.J.
8" Solid Plug, M.J. (Temp.)

2-8" 1/2 Bend, M.J.
4-8" Retainer Glands

After released for service, tie new 12" D.I. Main to Existing 12" D.I. Main
12" D.I. Main, cut as Req'd.
12" D.I. Main, cut as Req'd.

12" 1/2 Tee, M.J.
8" Gate Valve, M.J.
8" Valve Box, M.J.
12" Solid Plug, M.J. (Temp.)

After released for service, tie new 12" D.I. Main to Existing 12" D.I. Main
12" D.I. Main, cut as Req'd.
12" D.I. Main, cut as Req'd.

After released for service, tie new 12" D.I. Main to Existing 12" D.I. Main
12" D.I. Main, cut as Req'd.
12" D.I. Main, cut as Req'd.

8" Tee, M.J.
8" Gate Valve, M.J. (Kennedy)
8" Valve Box, Complete
2-8" 1/2 Bend, M.J.

After released for service, tie new 12" D.I. Main to Existing 12" D.I. Main
12" D.I. Main, cut as Req'd.
12" D.I. Main, cut as Req'd.

8" Tee, M.J. Anchor
8" Gate Valve, M.J. (Kennedy)
8" Valve Box, Complete
8" D.I. Pipe, cut as Req'd.
5' L.F. of 8" A.C. M.O.A. Pipe, cut as Req'd.

8" Tee, M.J.
1-8" Gate Valve, M.J. (Kennedy)
1-8" Valve Box, Complete
1-8" Solid Plug, M.J. (Temp.)

N.C.B. - 405 -

401B 401C

N.C.B. - 406 -

N.C.B. - 407 -

N.C.B. - 407 -

N.C.B. - 415 -

N.C.B. - 416 -

N.C.B. - 416 -

N.C.B. - 415 -

SCALE: HORIZ. 1"=20'
VERT. 1"=2'

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee, or structural design, geotechnical, safety, equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plan to implement the Contractor's plans shall provide for adequate trench safety systems that comply with, at a minimum, BMA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with BMA standards governing the presence and activities of individuals working in and around trench excavation.

NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR. 48 HOURS PRIOR TO EXCAVATION AT 954-4102. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION."

CALL C.P.S. LOCATOR AT 227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

LEGEND

PROP. WATER MAIN
EXIST. WATER MAIN
GAS MAIN
SANITARY SEWER
STORM SEWER
UTILITY POLE LINE
ELECTRIC CABLE
TELEPHONE CABLE
RESISTIVITY READING
NEW SERVICE
3/4"
1" OR LARGER
SERVICE RECONNECT
3/4"
1" OR LARGER
SERVICE RELAY
3/4"
1" OR LARGER
SERVICE RELOCATE
3/4"
1" OR LARGER
RELOCATE METER

APPENDIX	NO. 3	02.17.88
FIELD ALTERATION NO. 1		04.29.88
FIELD ALTERATION NO. 2	REVISED	06.23.88
No.	DESCRIPTION	DRAWN APPROVED DATE
REVISIONS		
CITY OF SAN ANTONIO		
DOWNTOWN TRI-PARTY PROJECT		
HOUSTON STREET AREA		
DEVELOPER	C.H.B.	
CONT.	BUDGET PROJ. #31, #37	
SUBMITTED	PERMANENT/PRINCE, WHITE & ASSOC.	
APPROVED		
MAP NO. 162-578		SHEET
SECTION NO. 25H		C.H.B.-19
Dr. 101	JOB NO. 87-5305	Dr. 21



DOWNTOWN TRI-PARTY PROJECT



1112098

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXISTING 6" FL. CHARGE TO TAP # 51423 2-6" 1/8 BEND, M.J. 6" CAST COUPLING 20'± 6" D.I. PIPE, CUT AS REQ'D 2-6" 1/4 BEND, M.J.

8" G TEE ANCHOR M.J. 6" GATE VALVE, M.J. (KENNEDY) 6" VALVE BOX, COMPLETE STD. FIRE HYDRANT 6" D.I. PIPE, CUT AS REQ'D 5/4"± BURY, (KENNEDY)

12"± CROSS M.J. 8" GATE VALVE, M.J. (KENNEDY) RECONNECT EXISTING 4" SERVICE LINE CHARGE TO TAP # 71029 2-4" 1/8 BEND, M.J. 4" CAST COUPLING 20'± 4" D.I. PIPE, CUT AS REQ'D

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXISTING 6" FL. CHARGE TO TAP # 51423 2-6" 1/8 BEND, M.J. 6" CAST COUPLING 20'± 6" D.I. PIPE, CUT AS REQ'D

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXISTING 6" FL. CHARGE TO TAP # 51427 2-6" 1/8 BEND, M.J. 6" CAST COUPLING 20'± 6" D.I. PIPE, CUT AS REQ'D

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXISTING 4" SERVICE LINE CHARGE TO TAP # 410 2-4" 1/8 BEND, M.J. 4" CAST COUPLING 20'± 4" D.I. PIPE, CUT AS REQ'D

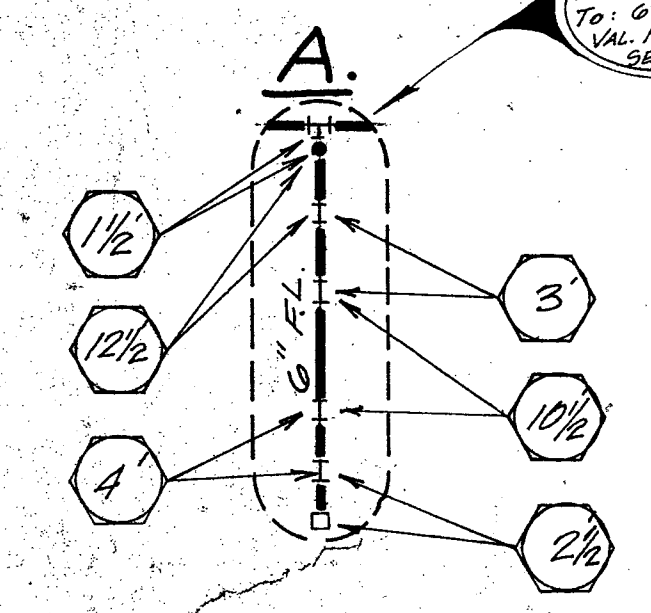
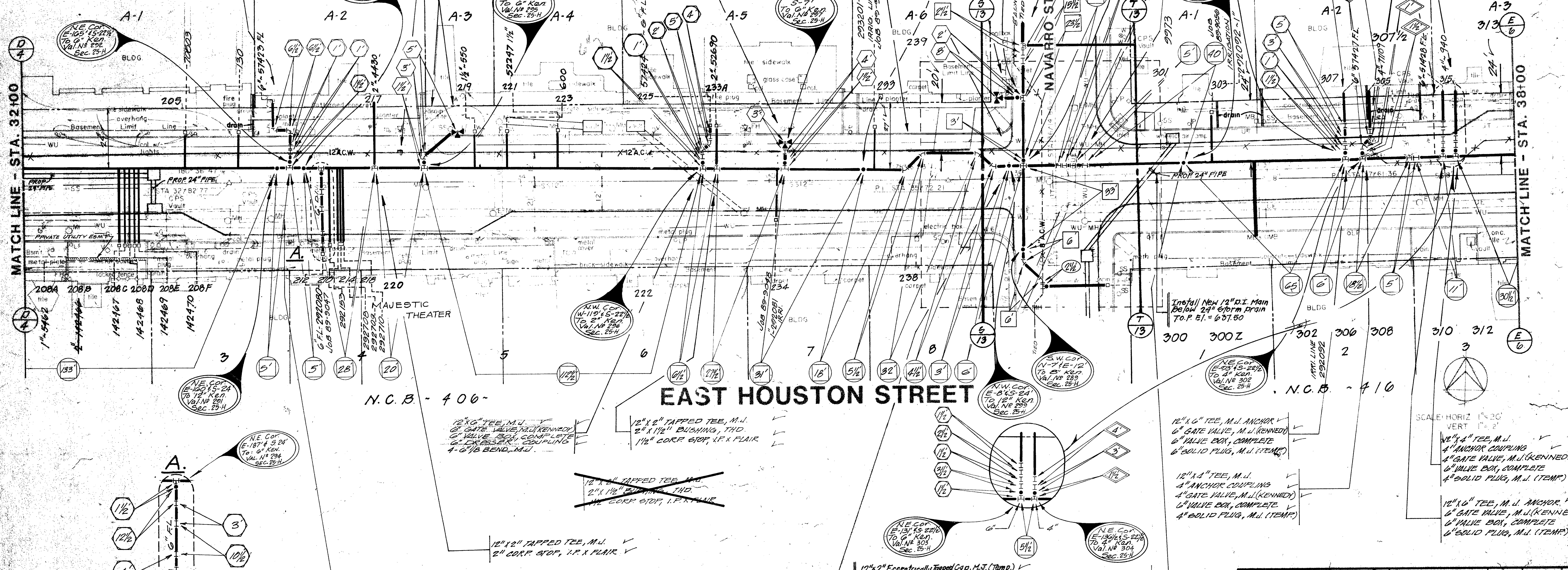
12"± G TEE, M.J. ANCHOR 6" GATE VALVE, M.J. (KENNEDY) 6" VALVE BOX, COMPLETE STD. FIRE HYDRANT 6" D.I. PIPE, CUT AS REQ'D 5/4"± BURY, (KENNEDY) 6" 1/4 BEND, M.J.

12"± G TEE, M.J. ANCHOR 6" GATE VALVE, M.J. (KENNEDY) 6" VALVE BOX, COMPLETE STD. FIRE HYDRANT 6" D.I. PIPE, CUT AS REQ'D 5/4"± BURY, (KENNEDY) 1-6" 1/2 BEND, M.J.

The New 12" D.I. Pipe to 12" D.I. Pipe Above Tunnel 4-12" 1/8 Bends, M.J. 4-12" M.J. Retainer Glands 5'± L of 12" D.I. Pipe, cut as req'd 1-12" GATE VALVE, M.J. (KENNEDY) 1-6" VALVE BOX, COMPLETE

2-12" 1/8 BENDS, M.J. 2-12" 1/8 Bends, M.J. 4-12" M.J. Retainer Glands

12" GATE VALVE, M.J. 6" VALVE BOX, COMPLETE (KENNEDY)



12"± G TEE, M.J. ANCHOR 2-12" GATE VALVE, M.J. (KENNEDY) 6" GATE VALVE, M.J. (KENNEDY) 3-6" VALVE BOX, COMPLETE 6"± SOLID PLUG, M.J. (TEMP)

12"± TAPPED TEE, M.J. 2"± 1/2"± BUSHING, THD 1/2"± CORR STOP, I.P.K. FLAIR

12"± 2" Eccentrically Tapped Cap, M.J. (Temp) 2"± 1/2"± (Temp) See C.N.B. 519 DWG. DD-10-00 Sht. 3 of 3

12" GATE VALVE, M.J. 6" VALVE BOX, COMPLETE (KENNEDY)

12"± G TEE, M.J. ANCHOR 2-12" GATE VALVE, M.J. (KENNEDY) 6" GATE VALVE, M.J. (KENNEDY) 3-6" VALVE BOX, COMPLETE 6"± SOLID PLUG, M.J. (TEMP)

TRENCH EXCAVATION PROTECTION
Contractor and/or Contractor's independently retained employee or structural design/geotechnical safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation activity within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

NOTE: "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 650-8228. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION."

CALL C.P.S. LOCATOR AT 227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.



LEGEND	
PROP WATER MAIN	6"± W.S.
EXIST WATER MAIN	2"±
GAS MAIN	6"± SA
SANITARY SEWER	24"± ST
STORM SEWER	24"± ST
UTILITY POLE LINE	4"
ELECTRIC CABLE	4"
TELEPHONE CABLE	4"
RESISTIVITY READING	NEW SERVICE!
RELOCATE METER	3/4"
SERVICE RECONNECT	3/4"
SERVICE RELAY	3/4"
SERVICE RELOCATE	3/4"
RELOCATE METER	3/4"

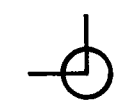
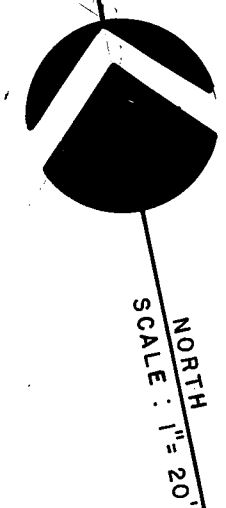
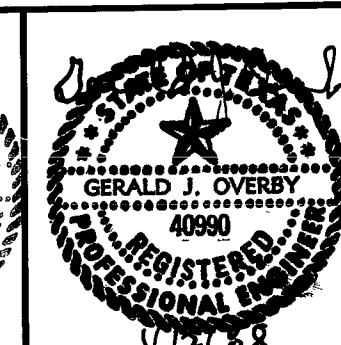
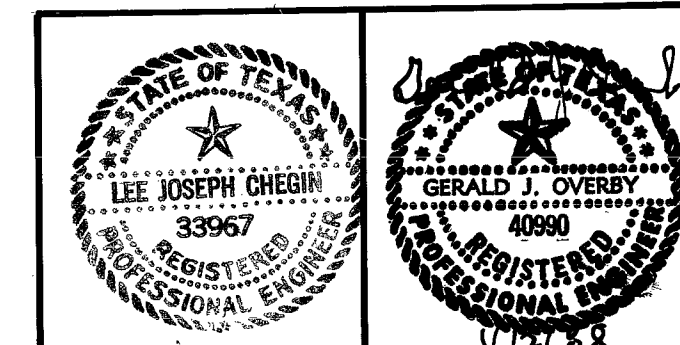
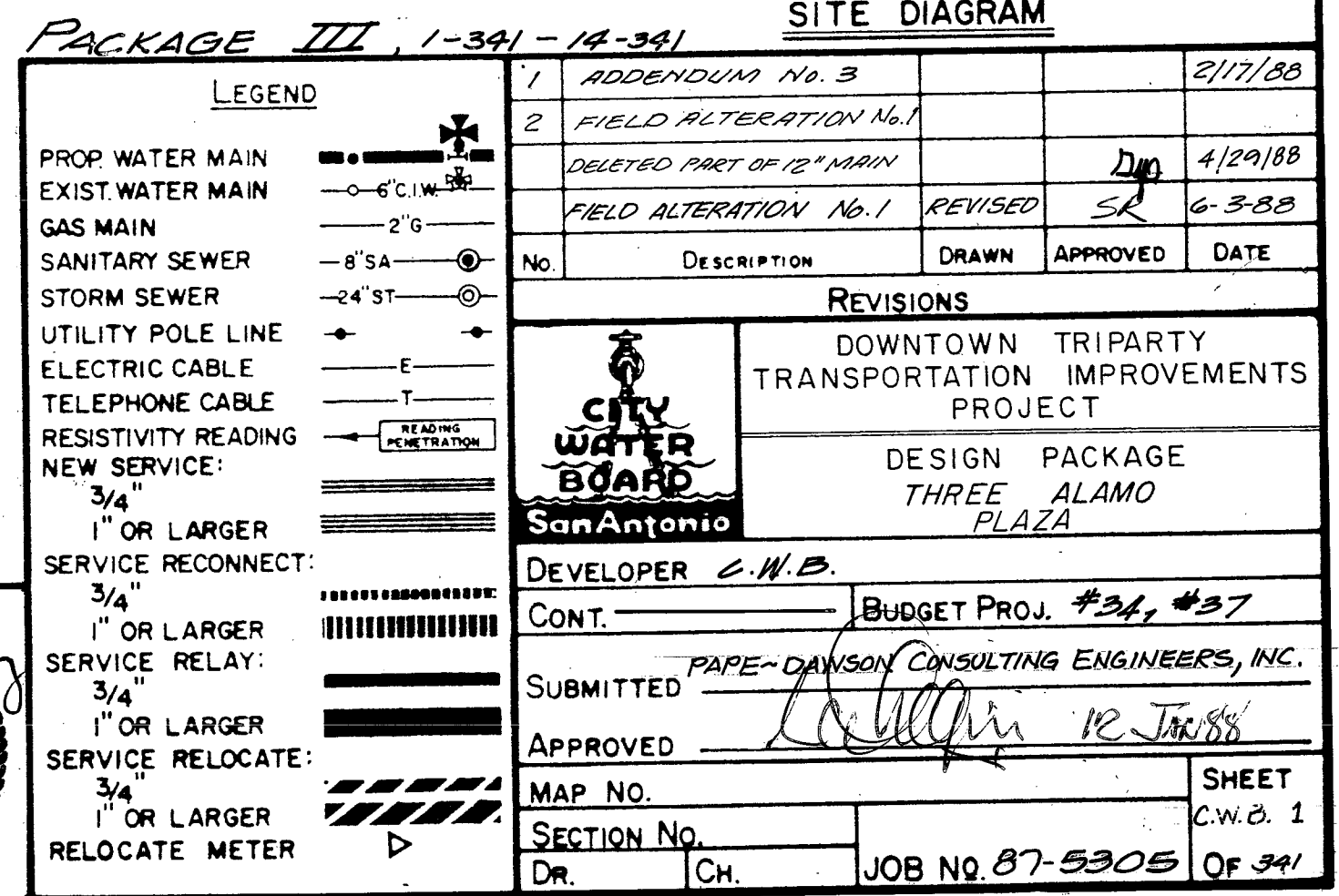
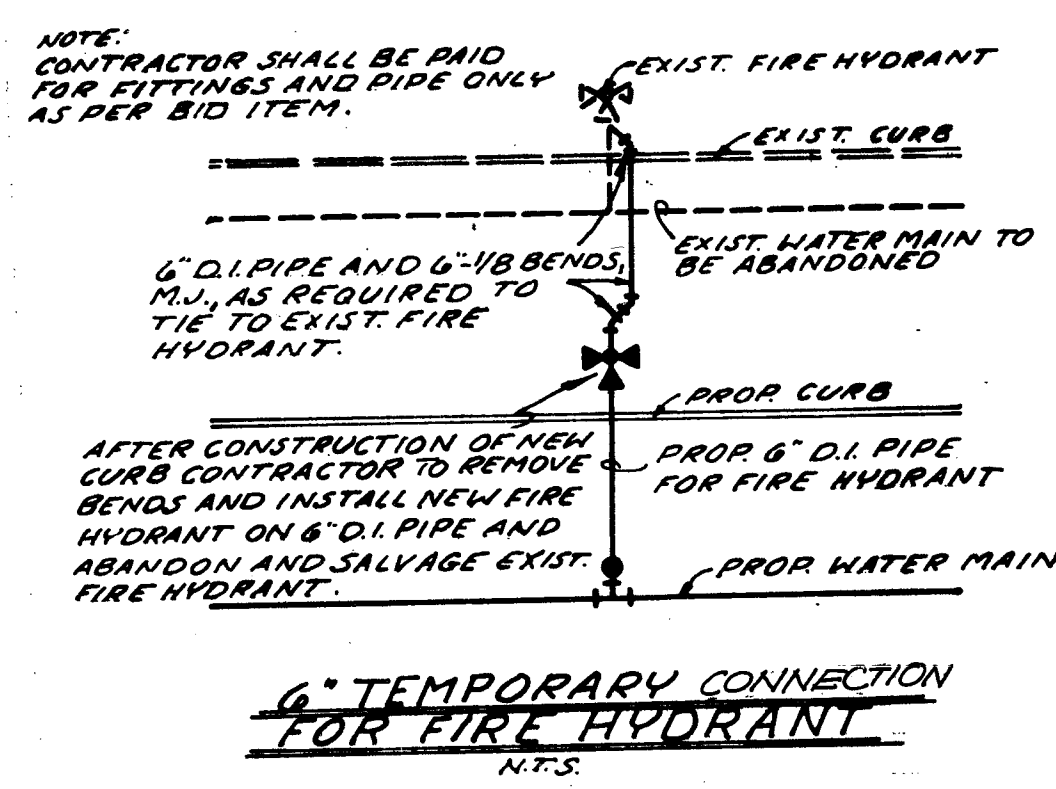
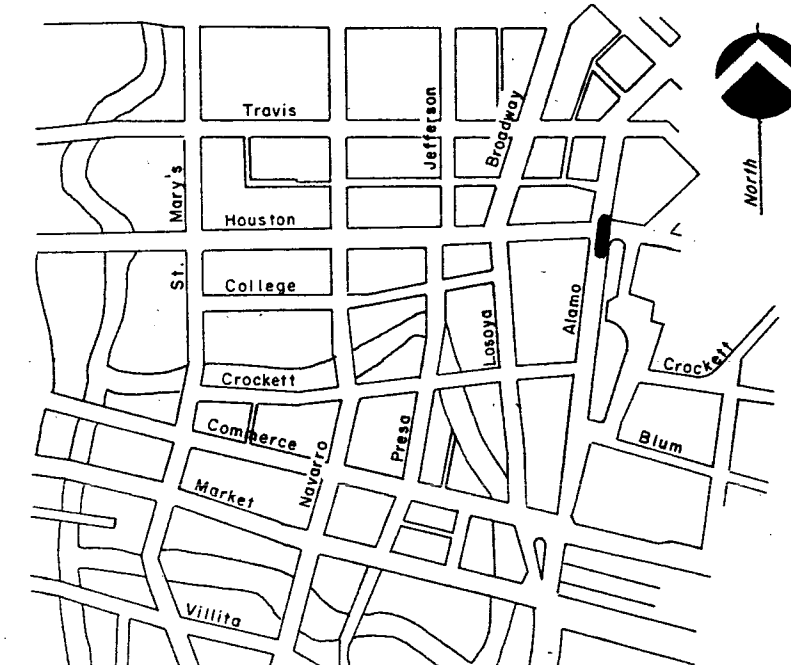
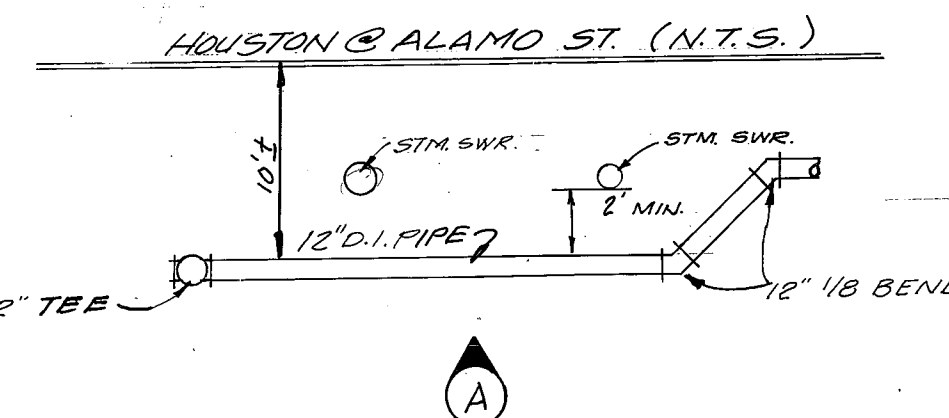
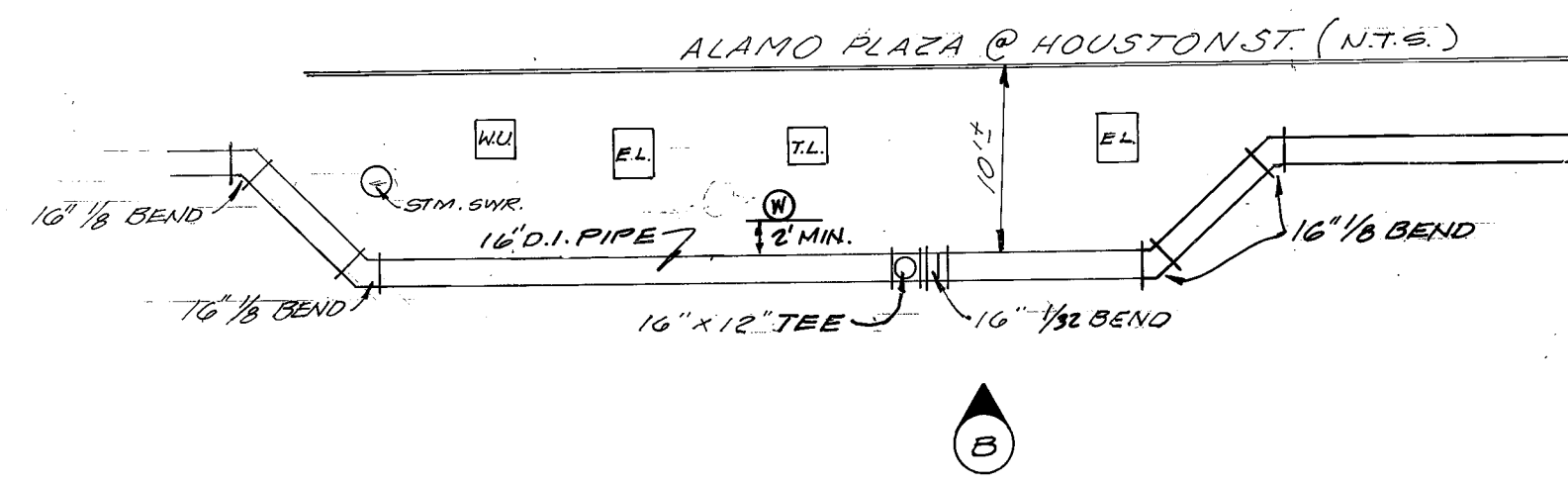
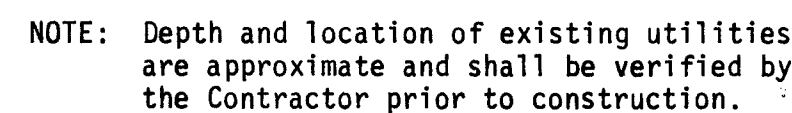
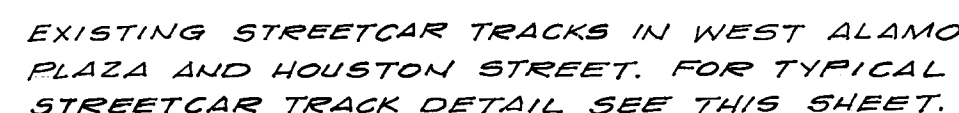
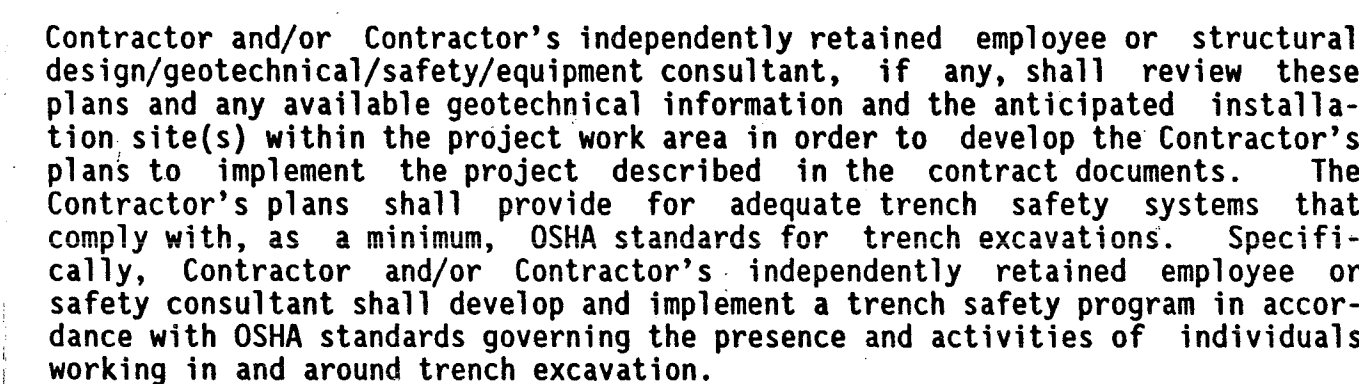
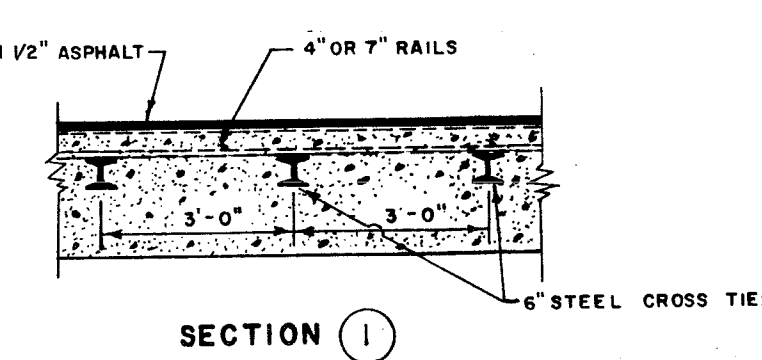
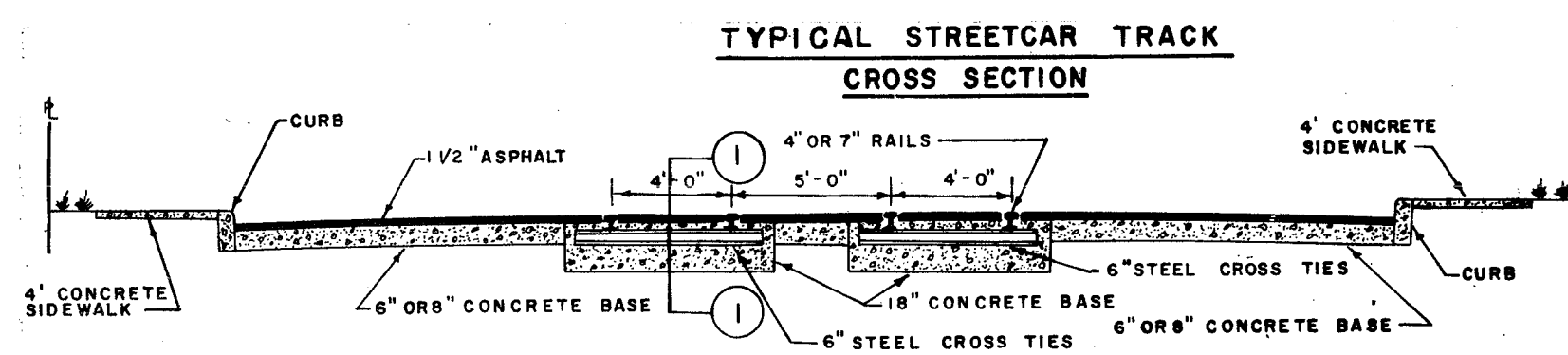
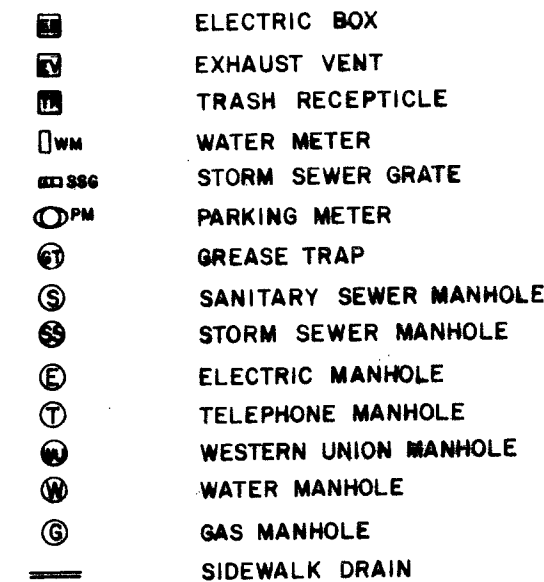
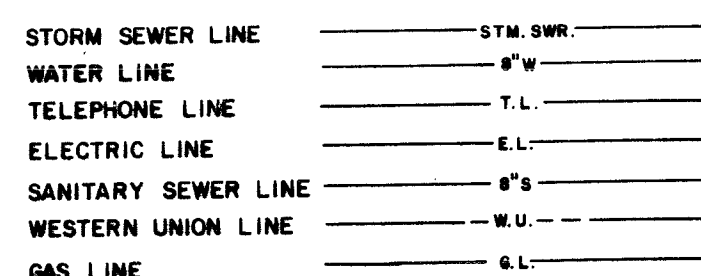
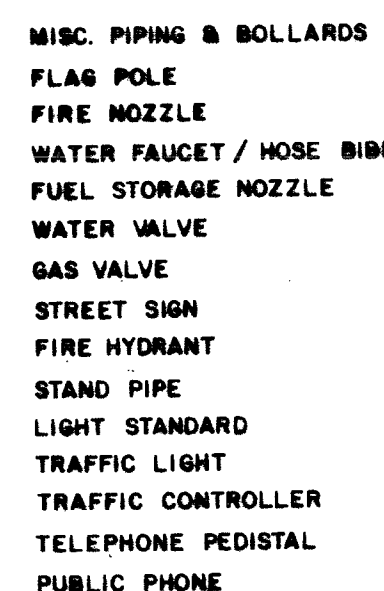
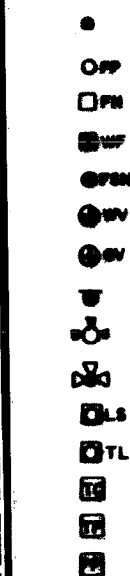
ADDENDUM No. 3	
FIELD ALTERATION No. 1	04-29-88
FIELD ALTERATION No. 2	06-23-88

REVISIONS			
No.	Description	APPROVED	DATE
1	REVISIONS		

DOWNTOWN TRI-PARTY PROJECT HOUSTON STREET AREA	
DEVELOPER	C.N.B.
CONTRACTOR	BUDGET PROJ. #24, #27
SUBMITTED	RECEIVED: [Signature] 16 Jan 88
APPROVED	[Signature]
MAP No.	102-578
SECTION No.	259
DR.	ICM
JOB No.	87-9305
OF	21







11/21/00

DOWNTOWN TRIPARTY

- MISC. PIPING & BOLLARDS
FLAG POLE
FIRE NOZZLE
WATER FAUCET / HOSE BIBB
FUEL STORAGE NOZZLE
WATER VALVE
GAS VALVE
STREET SIGN
FIRE HYDRANT
STAND PIPE
LIGHT STANDARD
TRAFFIC LIGHT
TRAFFIC CONTROLLER
TELEPHONE PEDISTAL
PUBLIC PHONE

- STORM SEWER LINE
WATER LINE
TELEPHONE LINE
ELECTRIC LINE
SANITARY SEWER LINE
WESTERN UNION LINE
GAS LINE

- ELECTRIC BOX
EXHAUST VENT
TRASH RECEPTACLE
WATER METER
STORM SEWER GRATE
PARKING METER
GREASE TRAP
SANITARY SEWER MANHOLE
STORM SEWER MANHOLE
ELECTRIC MANHOLE
TELEPHONE MANHOLE
WESTERN UNION MANHOLE
WATER MANHOLE
GAS MANHOLE
SIDEWALK DRAIN

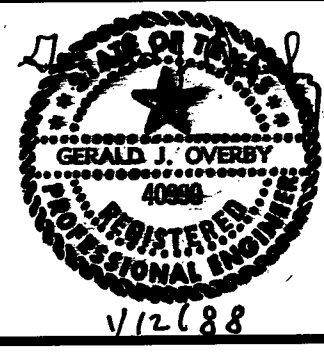
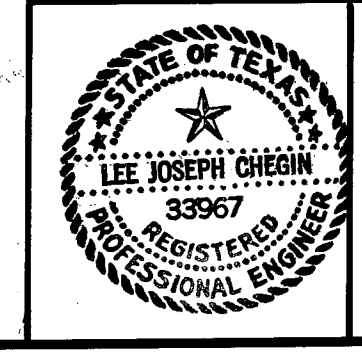
LEGEND

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

NOTE: EXISTING STREETCAR TRACKS IN NAVARRO AND ST. MARY'S STREETS. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341.

TRENCH EXCAVATION PROTECTION

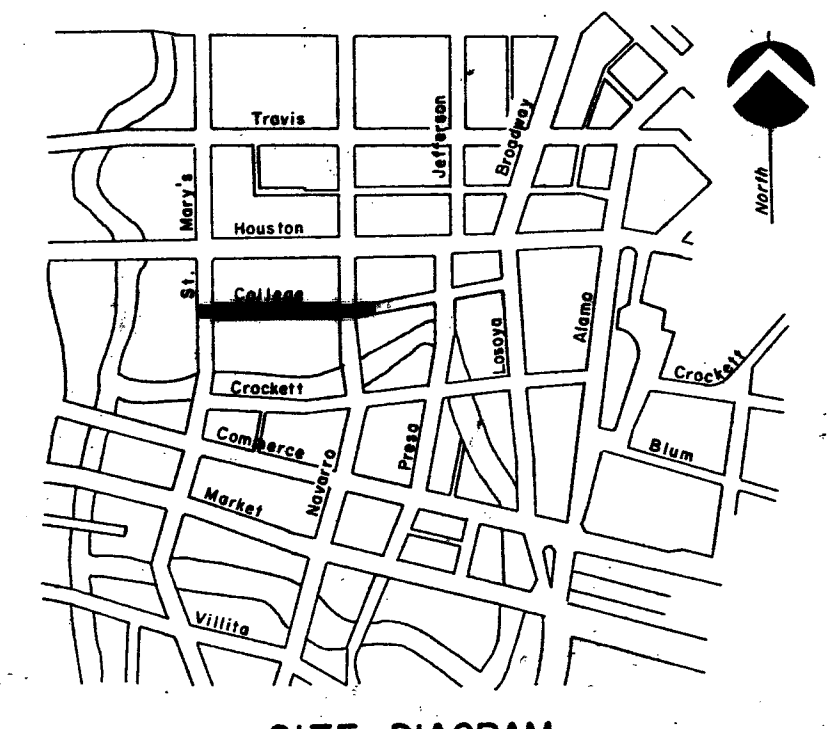
Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



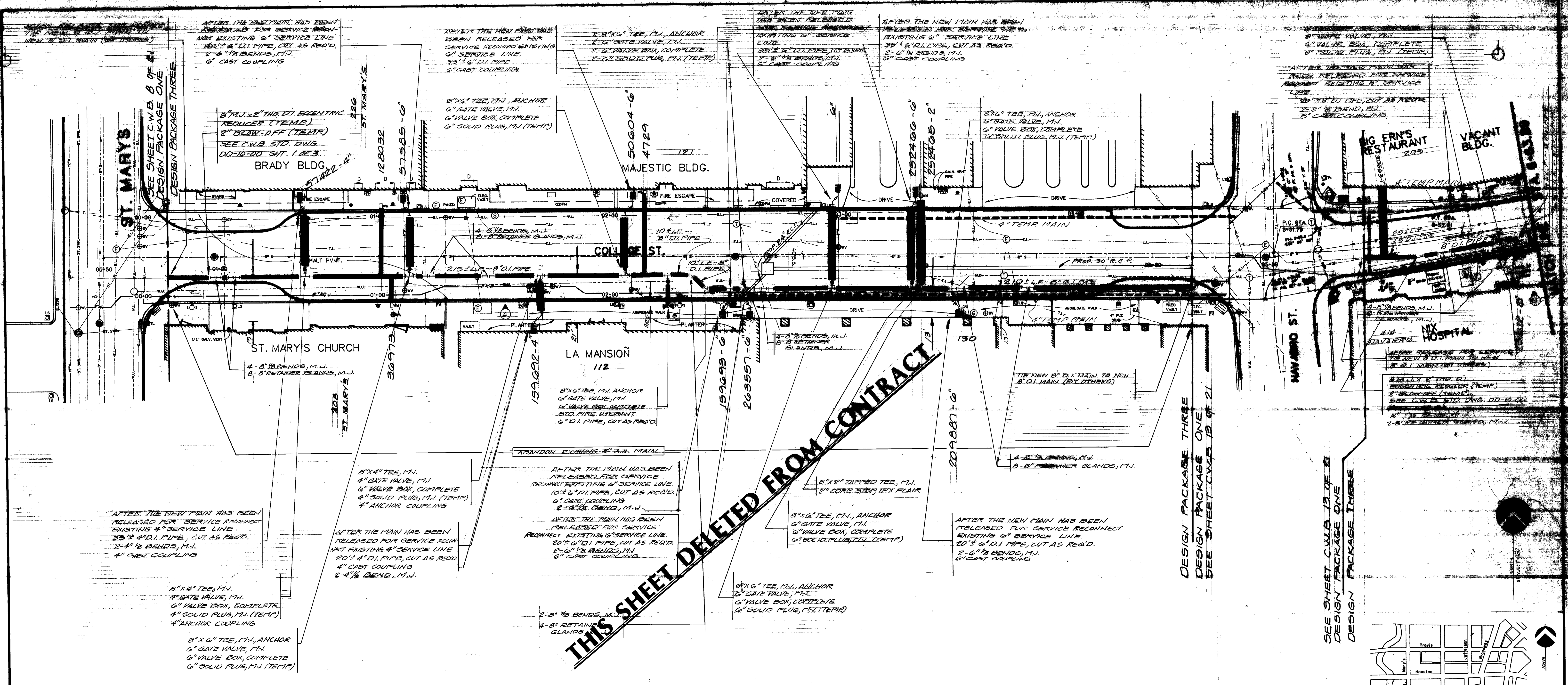
LEGEND	
PROP. WATER MAIN	— 4" CW —
EXIST. WATER MAIN	— 2" —
GAS MAIN	— 8" SA —
SANITARY SEWER	— 24" ST —
STORM SEWER	— 24" ST —
UTILITY POLE LINE	— T —
ELECTRIC CABLE	— E —
TELEPHONE CABLE	— T —
RESISTIVITY READING	— R —
NEW SERVICE	— 3/4" —
SERVICE RECONNECT	— 3/4" —
SERVICE RELAY	— 3/4" —
SERVICE RELOCATE	— 3/4" —
RELOCATE METER	— 3/4" —

REVISIONS	
1	ADDENDUM No. 3
2	FIELD ALTERATION No. 1
DELETED FROM CONTRACT	
FIELD ALTERATION No. 1 REVISED	
No.	DESCRIPTION
1	DELETED FROM CONTRACT
2	FIELD ALTERATION No. 1 REVISED

REVISIONS			
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT			
DESIGN PACKAGE THREE ALAMO PLAZA			
DEVELOPER C.W.B.		BUDGET PROJ. #24, #37	
CONT. PAPE-DAVIS CONSULTING ENGINEERS, INC.		SUBMITTED	
APPROVED		APPROVED	
MAP NO.		SHEET	
SECTION No.		C.W.B. 2	
DR. ICH.		JOB NO. 87-5305 OF 341	

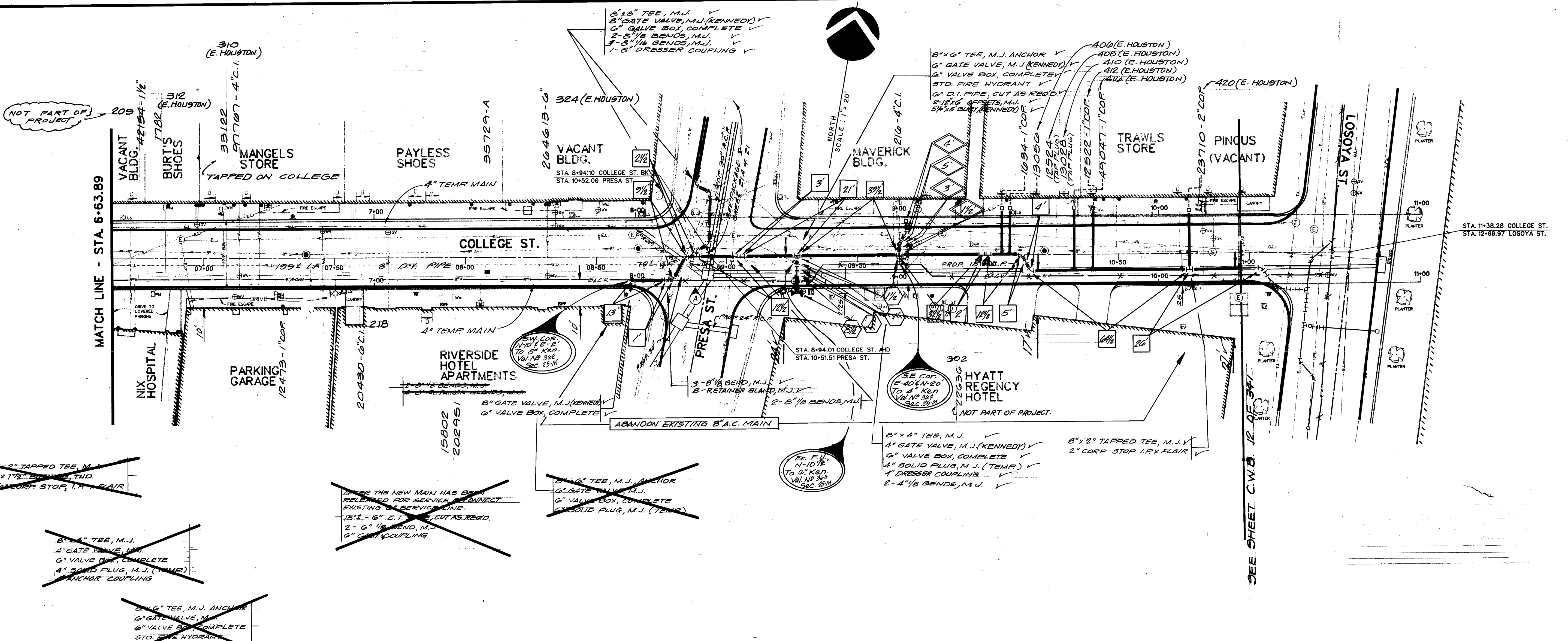


THIS SHEET DELETED FROM CONTRACT





DOWNTOWN TRIPARTY

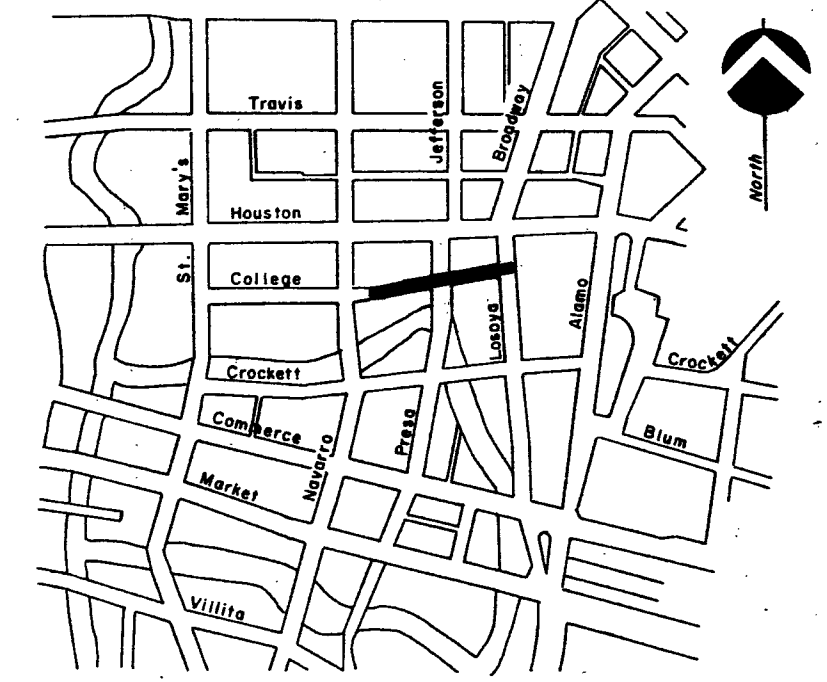


TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

NOTE: EXISTING STREETCAR TRACKS IN COLLEGE ST. FOR TYPICAL STREETCAR TRACT DETAILS SEE SHEET C.W.B. 1 OF 341

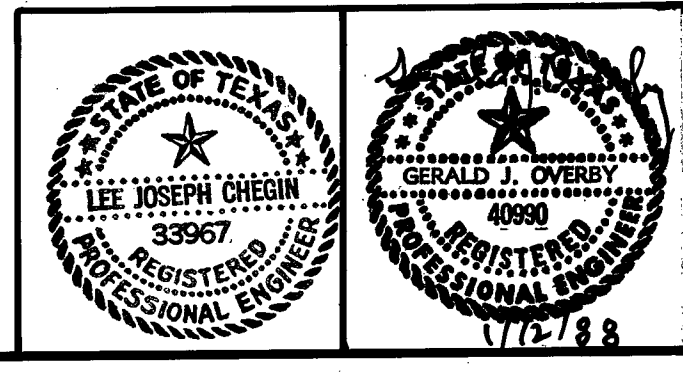
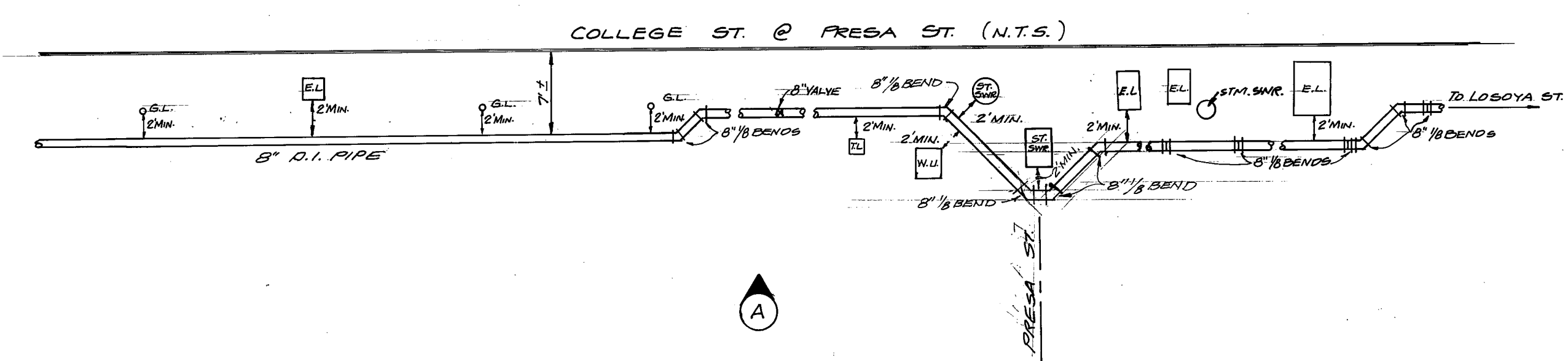
NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.



SITE DIAGRAM

LEGEND

- | | | | |
|--------------------------|---|------------------------|---|
| MISC. PIPING & BOLLARDS | ■ | ELECTRIC BOX | ■ |
| FLAG POLE | ■ | EXHAUST VENT | ■ |
| FIRE NOZZLE | ■ | TRASH RECEPTICLE | ■ |
| WATER FAUCET / HOSE BIBB | ■ | WATER METER | ■ |
| FUEL STORAGE NOZZLE | ■ | STORM SEWER GRATE | ■ |
| WATER VALVE | ■ | PARKING METER | ■ |
| GAS VALVE | ■ | GREASE TRAP | ■ |
| STREET SIGN | ■ | SANITARY SEWER MANHOLE | ■ |
| FIRE HYDRANT | ■ | STORM SEWER MANHOLE | ■ |
| STAND PIPE | ■ | ELECTRIC MANHOLE | ■ |
| LIGHT STANDARD | ■ | TELEPHONE MANHOLE | ■ |
| TRAFFIC LIGHT | ■ | WESTERN UNION MANHOLE | ■ |
| TRAFFIC CONTROLLER | ■ | WATER MANHOLE | ■ |
| TELEPHONE PEDISTAL | ■ | GAS MANHOLE | ■ |
| PUBLIC PHONE | ■ | SIDEWALK DRAIN | ■ |
-
- | | |
|---------------------|---------------|
| STORM SEWER LINE | — STM. SWR. — |
| WATER LINE | — W. — |
| TELEPHONE LINE | — T.L. — |
| ELECTRIC LINE | — E.L. — |
| SANITARY SEWER LINE | — S.S. — |
| WESTERN UNION LINE | — W.U. — |
| GAS LINE | — G.L. — |

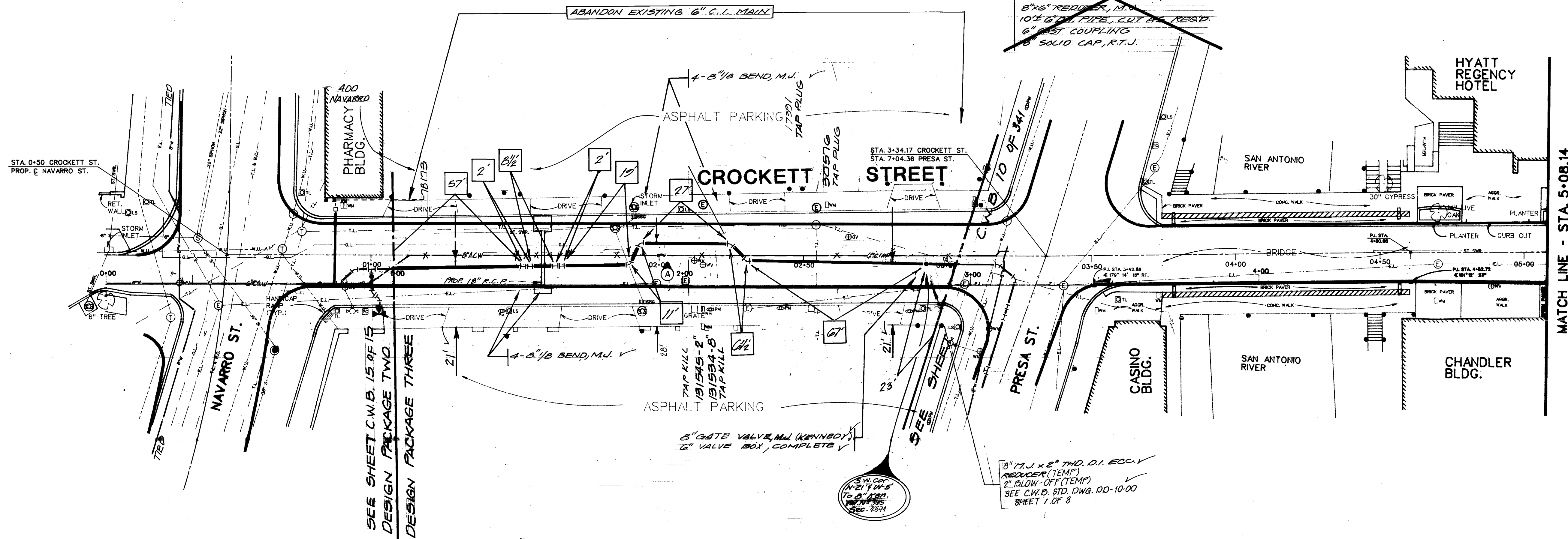


LEGEND	
PROP. WATER MAIN	— 6" W. —
EXIST. WATER MAIN	— 6" W. —
GAS MAIN	— 2" G. —
SANITARY SEWER	— 8" S.A. —
STORM SEWER	— 24" ST. —
UTILITY POLE LINE	— U.P.L. —
ELECTRIC CABLE	— E.C. —
TELEPHONE CABLE	— T.C. —
RESISTIVITY READING	— R.R. —
NEW SERVICE	— N.S. —
3/4" OR LARGER	— 3/4" —
SERVICE RECONNECT	— S.R. —
3/4" OR LARGER	— 3/4" —
SERVICE RELAY	— S.R. —
3/4" OR LARGER	— 3/4" —
SERVICE RELOCATE	— S.R. —
3/4" OR LARGER	— 3/4" —
RELOCATE METER	— R.M. —

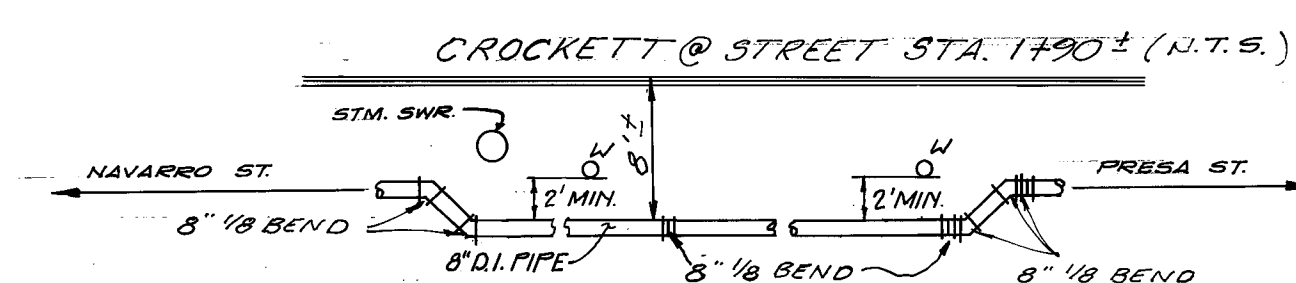
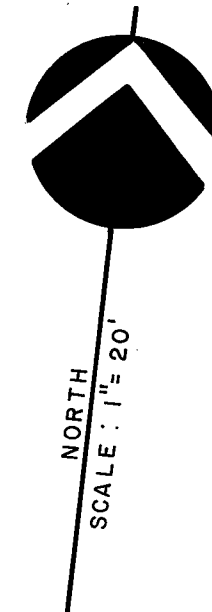
REVISIONS			
1	ADDENDUM No. 3		2/1/88
2	FIELD ALTERATION No. 1		
DELETED FROM CONTRACT			
FIELD ALTERATION No. 1 REVISED			
No.	DESCRIPTION	DRAWN	APPROVED
DATE			
REVISIONS			
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT			
DESIGN PACKAGE THREE ALAMO PLAZA			
DEVELOPER C.W.B.			
CONTRACTOR BUDGET PROJ. #24, #27			
SUBMITTED PAPE-DAY-PAI CONSULTING ENGINEERS, INC.			
APPROVED [Signature]			
MAP NO. [Blank]			
SECTION No. [Blank]			
JOB No. 87-5305 OF 341			



111203



MATCH LINE - STA. 5+08.14



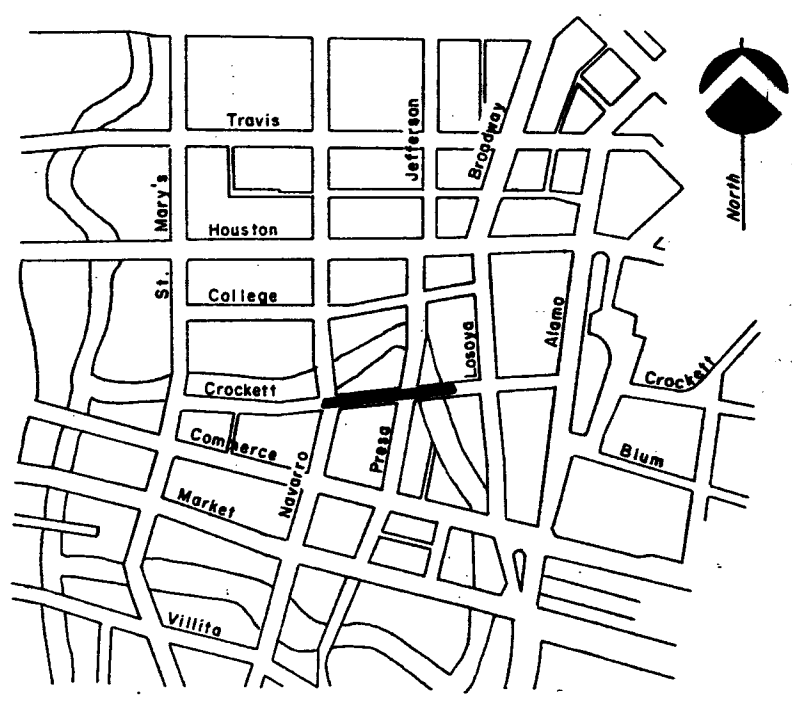
NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

NOTE:

EXISTING STREETCAR TRACKS IN NAVARRO STREET, FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



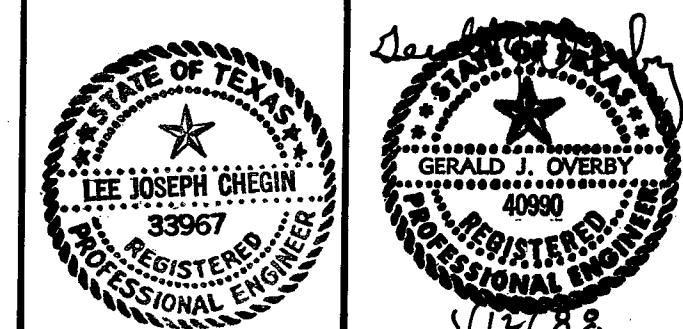
SITE DIAGRAM

LEGEND

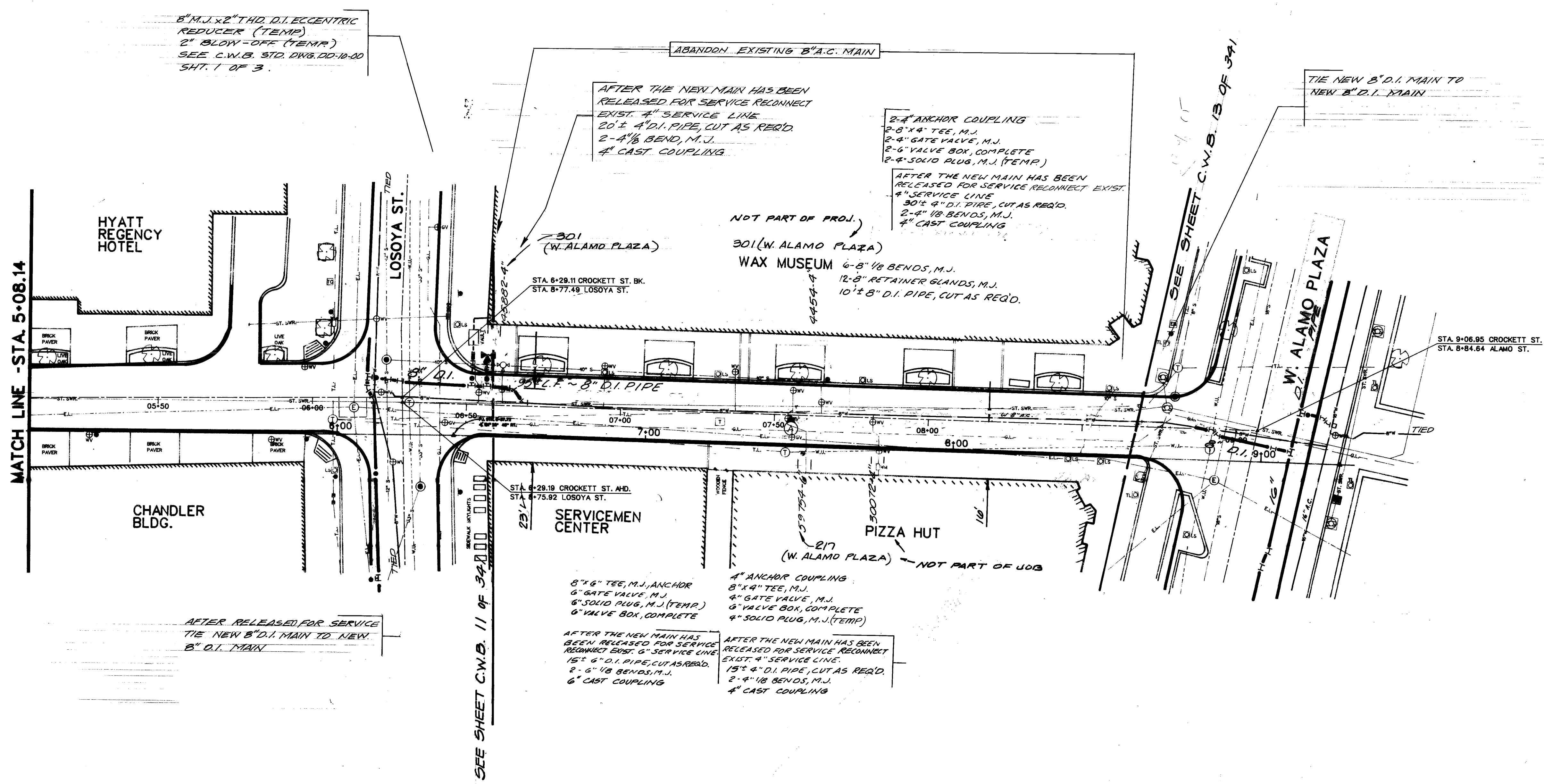
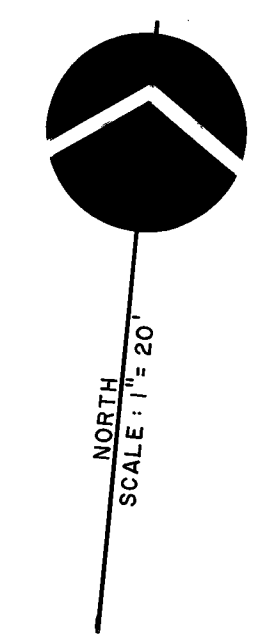
- MISC. PIPING & BOLLARDS
- FLAG POLE
- FIRE NOZZLE
- WATER FAUCET / HOSE BIBB
- FUEL STORAGE NOZZLE
- WATER VALVE
- GAS VALVE
- STREET SIGN
- FIRE HYDRANT
- STAND PIPE
- LIGHT STANDARD
- TRAFFIC LIGHT
- TRAFFIC CONTROLLER
- TELEPHONE PEDISTAL
- PUBLIC PHONE
- ELECTRIC BOX
- EXHAUST VENT
- TRASH RECEPTACLE
- WATER METER
- STORM SEWER GRATE
- PARKING METER
- GREASE TRAP
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- WESTERN UNION MANHOLE
- WATER MANHOLE
- GAS MANHOLE
- SIDEWALK DRAIN

- STORM SEWER LINE
- WATER LINE
- TELEPHONE LINE
- ELECTRIC LINE
- SANITARY SEWER LINE
- WESTERN UNION LINE
- GAS LINE

LEGEND		1. ADDENDUM No. 3		2/17/88	
2. FIELD ALTERATION No. 1		REISSUED		4/29/88	
FIELD ALTERATION No. 1 REVISED		5/1/88		6-3-88	
No.	Description	Drawn	Approved	Date	
REVISIONS					
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT					
CITY OF SAN ANTONIO					
DESIGN PACKAGE THREE ALAMO PLAZA					
DEVELOPER C.W.B.					
CONT. BUDGET PROJ. #34, #37					
SUBMITTED					
APPROVED					
MAP NO.					
SECTION No.					
DR. Ch. JOB No. 87-5305					
SHEET C.W.B. 4 OF 341					



DOWNTOWN TRIPARTY



8" M.I. x 2" THD. D.I. ECCENTRIC REDUCER (TEMP)
2" BLOW-OFF (TEMP)
SEE C.W.B. STD. DWG. DD-10-00
SHT. 1 OF 3

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXIST. 4" SERVICE LINE
20' ± 4" D.I. PIPE, CUT AS REQ'D.
2-4" 1/8" BEND, M.J.
4" CAST COUPLING

2-4" ANCHOR COUPLING
2-8" 1/4" TEE, M.J.
2-4" GATE VALVE, M.J.
2-6" VALVE BOX, COMPLETE
2-4" SOLID PLUG, M.J. (TEMP)

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXIST. 4" SERVICE LINE
30' ± 4" D.I. PIPE, CUT AS REQ'D.
2-4" 1/8" BEND, M.J.
4" CAST COUPLING

TIE NEW 8" D.I. MAIN TO NEW 8" D.I. MAIN

STA. 6+29.19 CROCKETT ST. BK.
STA. 8+77.49 LOSOYA ST.

STA. 9+06.95 CROCKETT ST.
STA. 8+84.64 ALAMO ST.

AFTER RELEASED FOR SERVICE THE NEW 8" D.I. MAIN TO NEW 8" D.I. MAIN

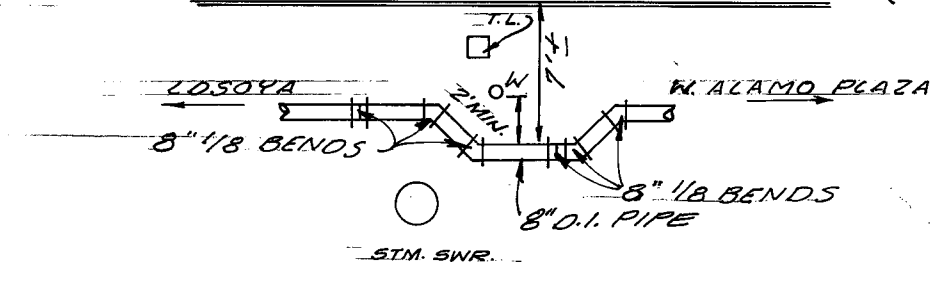
8" 1/8" TEE, M.J. ANCHOR
6" GATE VALVE, M.J.
6" SOLID PLUG, M.J. (TEMP)
6" VALVE BOX, COMPLETE

4" ANCHOR COUPLING
8" 1/4" TEE, M.J.
4" GATE VALVE, M.J.
6" VALVE BOX, COMPLETE
4" SOLID PLUG, M.J. (TEMP)

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXIST. 6" SERVICE LINE
15' ± 6" D.I. PIPE, CUT AS REQ'D.
2-6" 1/8" BEND, M.J.
6" CAST COUPLING

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXIST. 4" SERVICE LINE
15' ± 4" D.I. PIPE, CUT AS REQ'D.
2-4" 1/8" BEND, M.J.
4" CAST COUPLING

CROCKETT @ STREET ST. 1450' (N.T.S.)

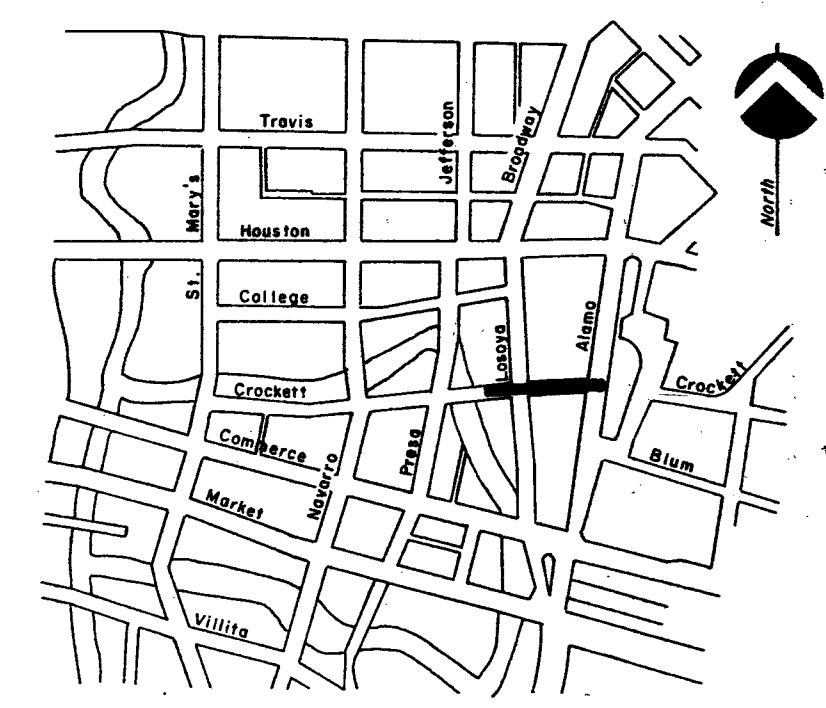


NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

NOTE: EXISTING STREETCAR TRACKS IN W. ALAMO PLAZA. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



SITE DIAGRAM

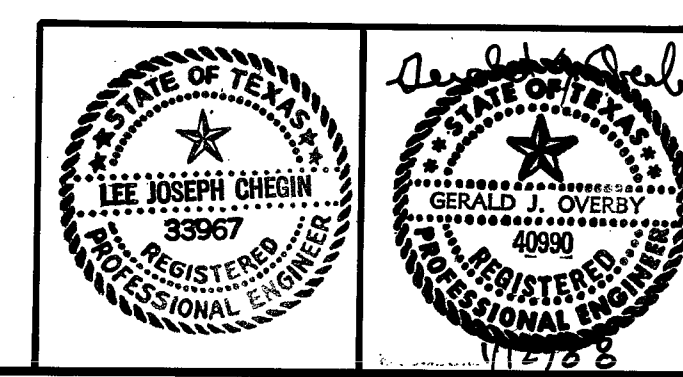
LEGEND

- | | | |
|-------------------------|---|------------------------|
| MISC. PIPING & BOLLARDS | □ | ELECTRIC BOX |
| FLAG POLE | □ | EXHAUST VENT |
| FIRE NOZZLE | □ | TRASH RECEPTACLE |
| WATER FAUCET / HOSE BIB | □ | WATER METER |
| FUEL STORAGE NOZZLE | □ | STORM SEWER GRATE |
| WATER VALVE | □ | PARKING METER |
| GAS VALVE | □ | GREASE TRAP |
| STREET SIGN | □ | SANITARY SEWER MANHOLE |
| FIRE HYDRANT | □ | STORM SEWER MANHOLE |
| STAND PIPE | □ | ELECTRIC MANHOLE |
| LIGHT STANDARD | □ | TELEPHONE MANHOLE |
| TRAFFIC LIGHT | □ | WESTERN UNION MANHOLE |
| TRAFFIC CONTROLLER | □ | WATER MANHOLE |
| TELEPHONE PEDISTAL | □ | GAS MANHOLE |
| PUBLIC PHONE | □ | SIDEWALK DRAIN |

- | | |
|---------------------|---------------|
| STORM SEWER LINE | — STM. SWR. — |
| WATER LINE | — W. — |
| TELEPHONE LINE | — T.L. — |
| ELECTRIC LINE | — E.L. — |
| SANITARY SEWER LINE | — S.S. — |
| WESTERN UNION LINE | — W.U. — |
| GAS LINE | — G.L. — |

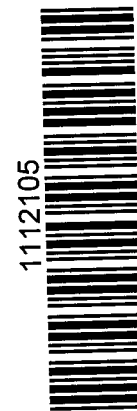
LEGEND	
PROP. WATER MAIN	—
EXIST. WATER MAIN	—
GAS MAIN	—
SANITARY SEWER	—
STORM SEWER	—
UTILITY POLE LINE	—
ELECTRIC CABLE	—
TELEPHONE CABLE	—
RESISTIVITY READING NEW SERVICE:	—
3/4"	—
1" OR LARGER	—
SERVICE RECONNECT:	—
3/4"	—
1" OR LARGER	—
SERVICE RELAY:	—
3/4"	—
1" OR LARGER	—
SERVICE RELOCATE:	—
3/4"	—
1" OR LARGER	—
RELOCATE METER	—

1. ADDENDUM No. 3		4/27/88
2. FIELD ALTERATION No. 1		4/29/88
DELETED FROM CONTRACT		
FIELD ALTERATION No. 1 REVISED		6-3-88
No.	DESCRIPTION	DRAWN APPROVED DATE
REVISIONS		
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT		
DESIGN PACKAGE THREE ALAMO PLAZA		
DEVELOPER C.W.B.		
CONT.	BUDGET PROJ. #24, #37	
SUBMITTED PAPER-DANSON CONSULTING ENGINEERS, INC.		
APPROVED [Signature] 12-1-88		
MAP NO.	SHEET	
SECTION No.	C.W.B. 5	
Dr.	JOB NO. 87-5305 OF 341	



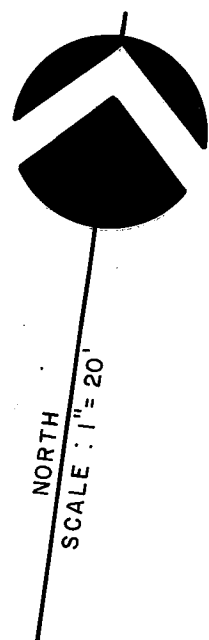
DOWNTOWN TRIPARTY

DOWNTOWN TRIPARTY



11205

W. ALAMO PLAZA



SEE SHEET CMB-13 OF 341

E. ALAMO PLAZA

THE ALAMO

E. CROCKETT STREET

MENGER HOTEL

BONHAM ST.

LADYBIRD JOHNSON
FOUNTAIN

BONHAM ST.

ADJUSTMENT ON ADDRESS

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

LEGEND

- | | |
|--------------------------|------------------------|
| MISC. PIPING & BOLLARDS | ELECTRIC BOX |
| FLAG POLE | EXHAUST VENT |
| FIRE NOZZLE | TRASH RECEPTACLE |
| WATER FAUCET / HOSE BIBB | WATER METER |
| FUEL STORAGE NOZZLE | STORM SEWER GRATE |
| WATER VALVE | PARKING METER |
| GAS VALVE | GREASE TRAP |
| STREET SIGN | SANITARY SEWER MANHOLE |
| FIRE HYDRANT | STORM SEWER MANHOLE |
| STAND PIPE | ELECTRIC MANHOLE |
| LIGHT STANDARD | TELEPHONE MANHOLE |
| TRAFFIC LIGHT | WESTERN UNION MANHOLE |
| TRAFFIC CONTROLLER | WATER MANHOLE |
| TELEPHONE PEDISTAL | GAS MANHOLE |
| PUBLIC PHONE | SIDEWALK DRAIN |

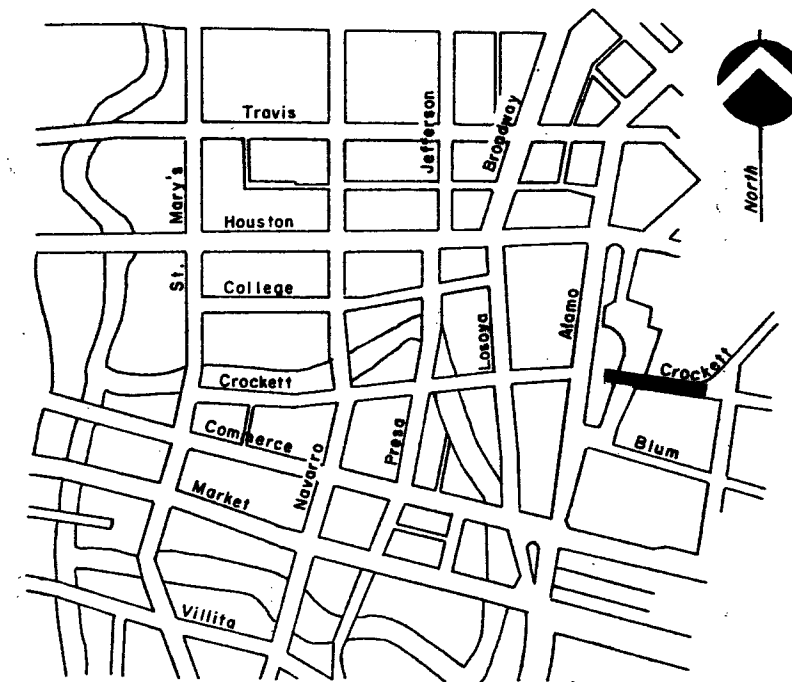
- | | |
|---------------------|-----------|
| STORM SEWER LINE | STM. SWR. |
| WATER LINE | W. |
| TELEPHONE LINE | T.L. |
| ELECTRIC LINE | E.L. |
| SANITARY SEWER LINE | S.S. |
| WESTERN UNION LINE | W.U. |
| GAS LINE | G.L. |

NOTE:

EXISTING STREETCAR TRACKS IN W. ALAMO PLAZA.
FOR TYPICAL STREETCAR TRACK DETAIL SEE
SHEET CMB-1 OF 341

TRENCH EXCAVATION PROTECTION

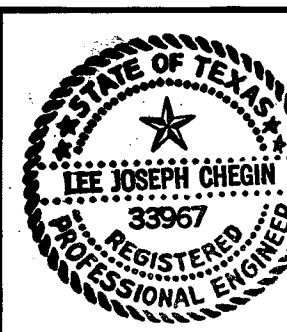
Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



SITE DIAGRAM

LEGEND	
PROP. WATER MAIN	6\"/>
EXIST. WATER MAIN	6\"/>
GAS MAIN	2\"/>
SANITARY SEWER	8\"/>
STORM SEWER	24\"/>
UTILITY POLE LINE	4\"/>
ELECTRIC CABLE	4\"/>
TELEPHONE CABLE	4\"/>
RESISTIVITY READING	4\"/>
NEW SERVICE:	4\"/>
1\" OR LARGER	4\"/>
SERVICE RECONNECT:	4\"/>
1\" OR LARGER	4\"/>
SERVICE RELAY:	4\"/>
1\" OR LARGER	4\"/>
SERVICE RELOCATE:	4\"/>
1\" OR LARGER	4\"/>
RELOCATE METER	4\"/>

1	ADDENDUM No. 3			4/17/88
2	FIELD ALTERATION No. 1			4/29/88
	DELETED MAIN			
	FIELD ALTERATION No. 1	REVISED	SR	6-3-88
No.	DESCRIPTION	DRAWN	APPROVED	DATE
REVISIONS				
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT				
DESIGN PACKAGE THREE ALAMO PLAZA				
DEVELOPER C.W.B.				
CONT. Budget Proj. #24, #37				
SUBMITTED PAPE-DANSON CONSULTING ENGINEERS, INC.				
APPROVED				
MAP No.				
SECTION No.				
Dr.	Ch.	JOB No. 87-5305		SHEET CWB-9 OF 341



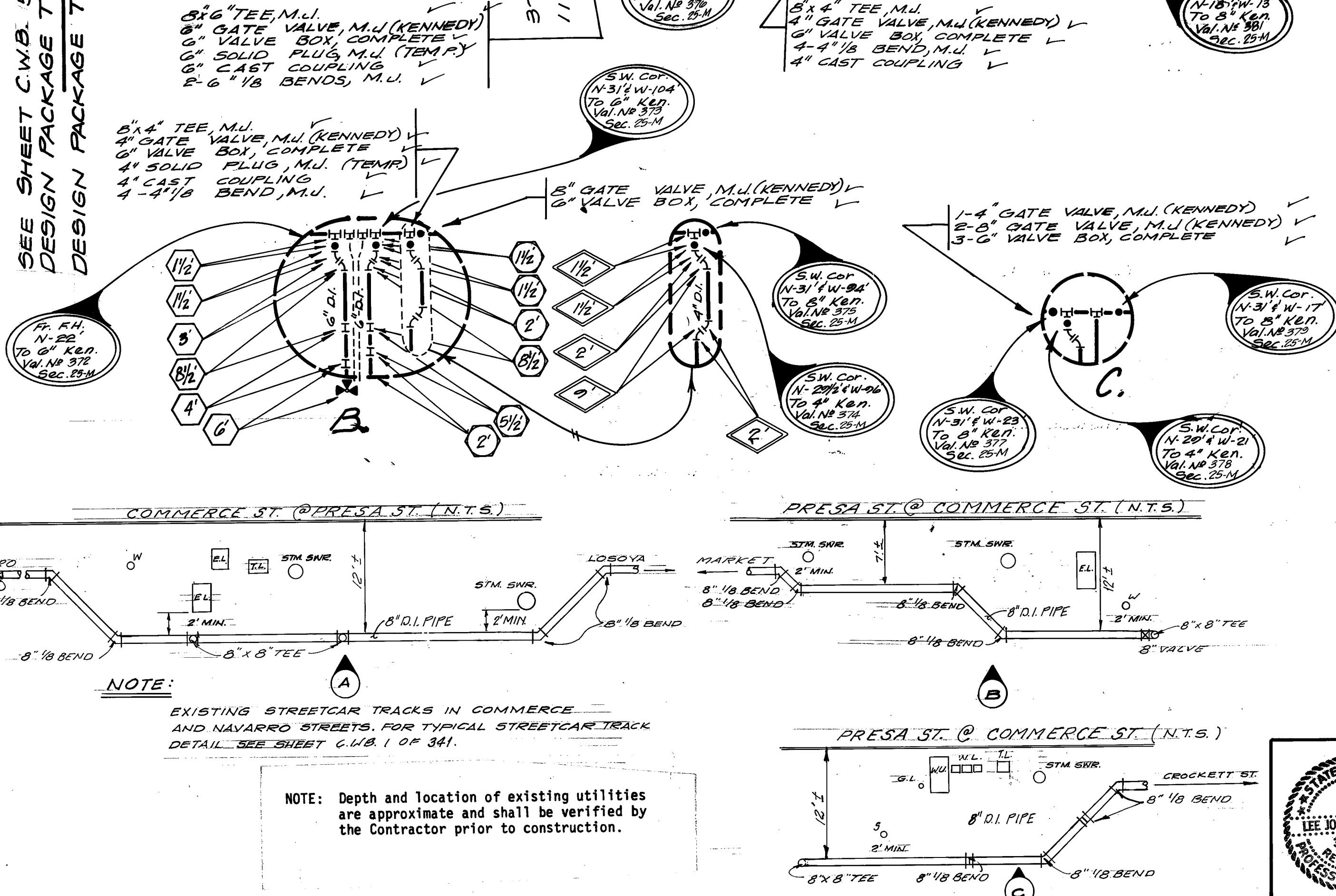


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LEGEND

- | | |
|----------------------------|--------------------------|
| • MISC. PIPING & BOLLARDS | □ ELECTRIC BOX |
| ○ FLAG POLE | □ EXHAUST VENT |
| ○ FIRE NOZZLE | □ TRASH RECEPTACLE |
| ○ WATER FAUCET / NOSE BIBB | □ WATER METER |
| ○ FUEL STORAGE NOZZLE | □ STORM SEWER GRATE |
| ○ WATER VALVE | □ PARKING METER |
| ○ GAS VALVE | □ GREASE TRAP |
| ○ STREET SIGN | □ SANITARY SEWER MANHOLE |
| ○ FIRE HYDRANT | □ STORM SEWER MANHOLE |
| ○ STAND PIPE | □ ELECTRIC MANHOLE |
| ○ LIGHT STANDARD | □ TELEPHONE MANHOLE |
| ○ TRAFFIC LIGHT | □ WESTERN UNION MANHOLE |
| ○ TRAFFIC CONTROLLER | □ WATER MANHOLE |
| ○ TELEPHONE PEDISTAL | □ GAS MANHOLE |
| ○ PUBLIC PHONE | □ SIDEWALK DRAIN |
-
- | | |
|---------------------|---------------|
| STORM SEWER LINE | — STM. SWR. — |
| WATER LINE | — W. — |
| TELEPHONE LINE | — T.L. — |
| ELECTRIC LINE | — E.L. — |
| SANITARY SEWER LINE | — S.S. — |
| WESTERN UNION LINE | — W.U. — |
| GAS LINE | — G.L. — |

SEE SHEET C.W.B. 5 OF 15
DESIGN PACKAGE TWO
DESIGN PACKAGE THREE



NOTE:

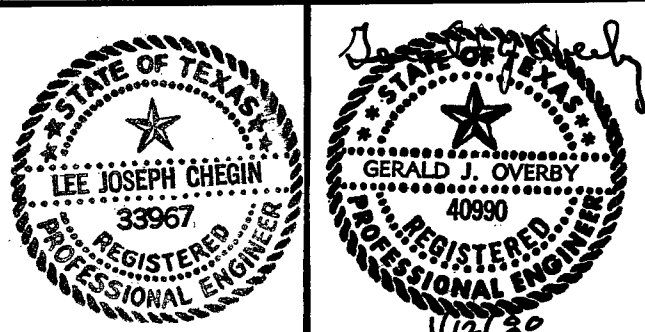
EXISTING STREETCAR TRACKS IN COMMERCE AND NAVARRO STREETS. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341.

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

LEGEND	
PROP. WATER MAIN	— 6" C.W.B. —
EXIST. WATER MAIN	— 2" G. —
GAS MAIN	— 8" S.A. —
SANITARY SEWER	— 24" ST. —
STORM SEWER	— 24" ST. —
UTILITY POLE LINE	— E —
ELECTRIC CABLE	— E —
TELEPHONE CABLE	— T —
RESISTIVITY READING NEW SERVICE:	— 3/4" —
1" OR LARGER	— 3/4" —
SERVICE RECONNECT:	— 3/4" —
1" OR LARGER	— 3/4" —
SERVICE RELAY:	— 3/4" —
1" OR LARGER	— 3/4" —
SERVICE RELOCATE:	— 3/4" —
1" OR LARGER	— 3/4" —
RELOCATE METER	— 3/4" —

REVISIONS			
No.	DESCRIPTION	APPROVED	DATE
1	ADDENDUM No. 3		8/7/88
2	FIELD ALTERATION No. 1		4/29/88
3	REVISED MAINS / SERVICES	SR	6-8-88
4	FIELD ALTERATION No. 1	SR	6-8-88

DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT	
DESIGN PACKAGE THREE ALAMO PLAZA	
DEVELOPER	C.W.B.
CONT.	BUDGET PROJ. #34, #37
SUBMITTED	PAGE-DANSON CONSULTING ENGINEERS, INC.
APPROVED	12-1-88
MAP NO.	
SECTION No.	
DR.	CH. JOB No. 87-5305
SHEET C.W.B. 7 OF 341	





1112107

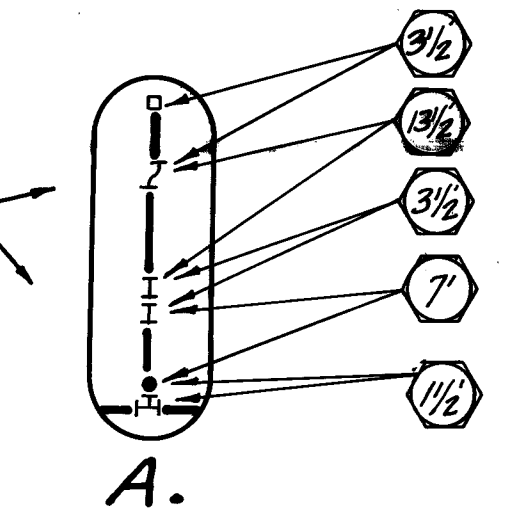
1. 4" VALVE BOX, COMPLETE
2. 4" SOLID PLUG, M.J. (TEMP)
AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXIST. 4" SERVICE LINE.
35' L.F. 4" D.I. PIPE, CUT AS REQ'D.
2- 4" 1/8 BENDS, M.J.
4" CAST COUPLING

SE COPIES
N-341E-140
TO G. K. B. 10/10/88
SEC. 25M

SE COPIES
N-341E-140
TO G. K. B. 10/10/88
SEC. 25M

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXIST. 4" SERV.

8" C" TEE, M.J.
6" GATE VALVE, M.J. (KENNEDY)
6" VALVE BOX, COMPLETE
6" SOLID PLUG, M.J. (TEMP)
2- 6" 1/8 BEND, M.J.
1- 24" 6" OFFSET, M.J.



A.

8" C" TEE, M.J. ANCHOR
6" GATE VALVE, M.J. (KENNEDY)
6" VALVE BOX, COMPLETE
2- 6" 1/8 BEND, M.J.
STD. FIRE HYDRANT
5/4" 1/2 BURY (KENNEDY)

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXIST. 1" SERVICE LINE.

8" C" TEE, M.J. ANCHOR
6" GATE VALVE, M.J. (KENNEDY)
6" VALVE BOX, COMPLETE
6" SOLID PLUG, M.J. (TEMP)
4- 6" 1/8 BEND, M.J.
1- 6" CAST COUPLING

AFTER RELEASED FOR SERVICE THE NEW 8" D.I. MAIN TO EXISTING 8" D.I. MAIN

2- 8" 1/8 BEND, M.J.
4- 8" RETAINER SLAND, M.J.
6" CAST COUPLING
10' 8" D.I. PIPE, CUT AS REQ'D.

8" M.J. X 2" THD. D.I. ECCENTRIC REDUCER (TEMPORARY)
2" BLOW-OFF (TEMP)
SEE C.N.B. AND DWG. DD-10-00, SHEET 1 OF 3.

LEGEND

- | | |
|--------------------------|------------------------|
| MISC. PIPING & BOLLARDS | ELECTRIC BOX |
| FLAG POLE | EXHAUST VENT |
| FIRE NOZZLE | TRASH RECEPTACLE |
| WATER FAUCET / HOSE BIBB | WATER METER |
| FUEL STORAGE NOZZLE | STORM SEWER GRATE |
| WATER VALVE | PARKING METER |
| GAS VALVE | GREASE TRAP |
| STREET SIGN | SANITARY SEWER MANHOLE |
| FIRE HYDRANT | STORM SEWER MANHOLE |
| STAND PIPE | ELECTRIC MANHOLE |
| LIGHT STANDARD | TELEPHONE MANHOLE |
| TRAFFIC LIGHT | WESTERN UNION MANHOLE |
| TRAFFIC CONTROLLER | WATER MANHOLE |
| TELEPHONE PEDISTAL | GAS MANHOLE |
| PUBLIC PHONE | SIDEWALK DRAIN |

- | | |
|---------------------|-----------|
| STORM SEWER LINE | STN. SWR. |
| WATER LINE | "W" |
| TELEPHONE LINE | "T.L." |
| ELECTRIC LINE | "E.L." |
| SANITARY SEWER LINE | "S.S." |
| WESTERN UNION LINE | "W.U." |
| GAS LINE | "G.L." |

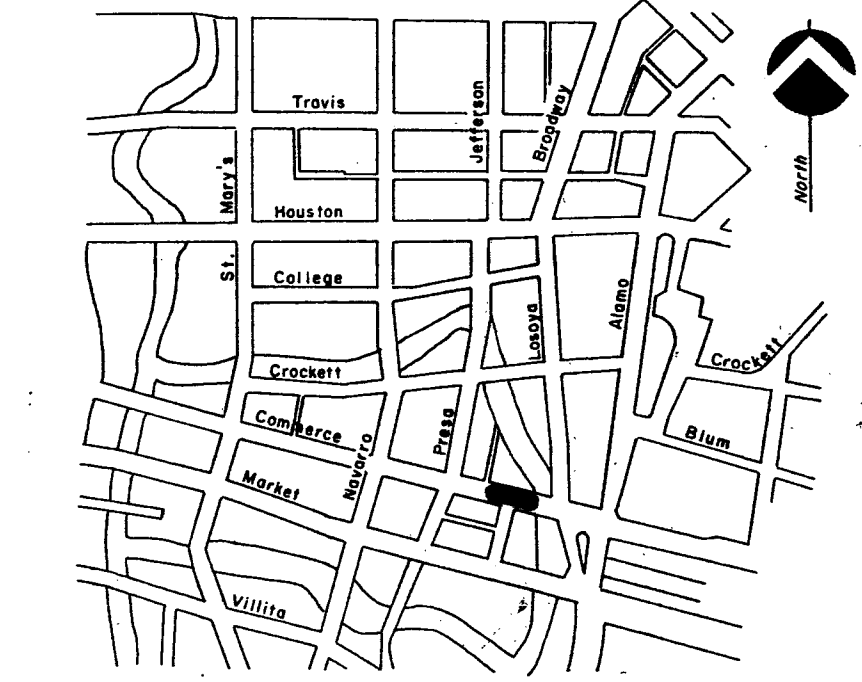
NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

NOTE

EXISTING STREETCAR TRACKS IN COMMERCE STREET. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C-14-B.1 OF 341

TRENCH EXCAVATION PROTECTION

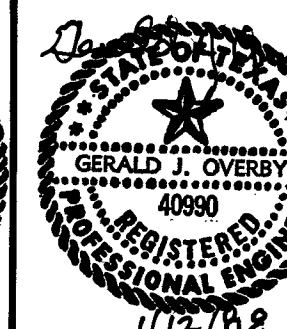
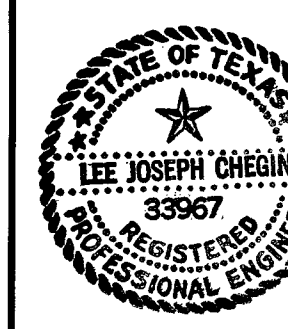
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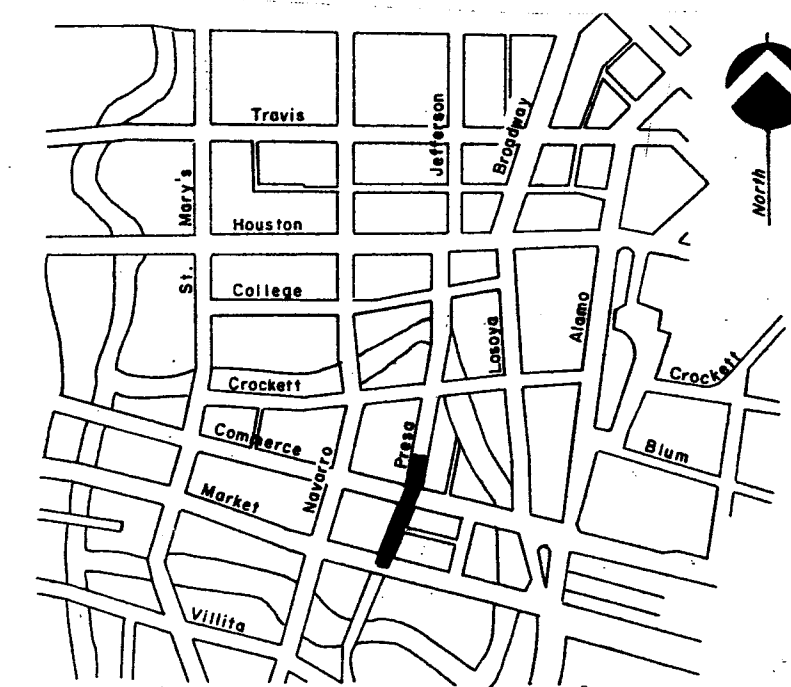
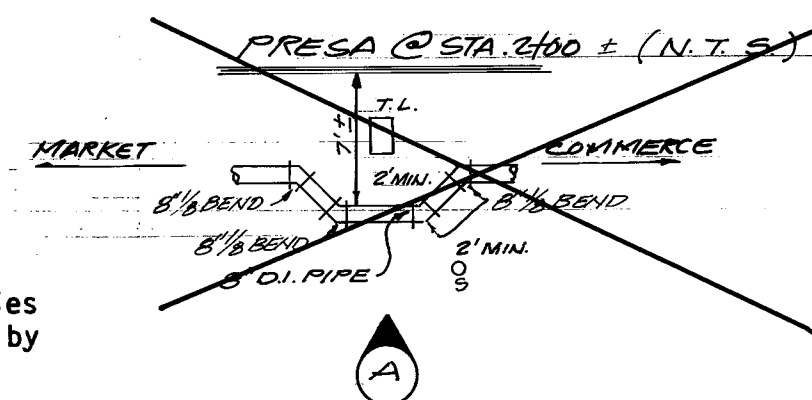
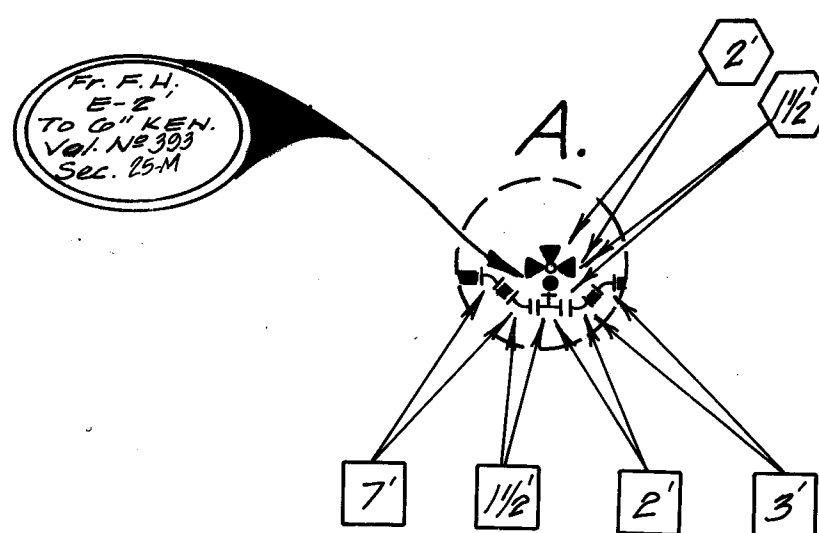
SITE DIAGRAM

LEGEND	1. ADDENDUM No. 3	2/1/88
	2. FIELD ALTERATION No. 1	4/24/88
PROF. WATER MAIN	3. FIELD ALTERATION No. 1	6-8-88
EXIST. WATER MAIN	4. FIELD ALTERATION No. 1	6-8-88
GAS MAIN	5. FIELD ALTERATION No. 1	6-8-88
SANITARY SEWER	6. FIELD ALTERATION No. 1	6-8-88
STORM SEWER	7. FIELD ALTERATION No. 1	6-8-88
UTILITY POLE LINE	8. FIELD ALTERATION No. 1	6-8-88
ELECTRIC CABLE	9. FIELD ALTERATION No. 1	6-8-88
TELEPHONE CABLE	10. FIELD ALTERATION No. 1	6-8-88
RESISTIVITY READING	11. FIELD ALTERATION No. 1	6-8-88
NEW SERVICE:	12. FIELD ALTERATION No. 1	6-8-88
3/4"	13. FIELD ALTERATION No. 1	6-8-88
1" OR LARGER	14. FIELD ALTERATION No. 1	6-8-88
SERVICE RECONNECT:	15. FIELD ALTERATION No. 1	6-8-88
3/4"	16. FIELD ALTERATION No. 1	6-8-88
1" OR LARGER	17. FIELD ALTERATION No. 1	6-8-88
SERVICE RELAY:	18. FIELD ALTERATION No. 1	6-8-88
3/4"	19. FIELD ALTERATION No. 1	6-8-88
1" OR LARGER	20. FIELD ALTERATION No. 1	6-8-88
SERVICE RELOCATE:	21. FIELD ALTERATION No. 1	6-8-88
3/4"	22. FIELD ALTERATION No. 1	6-8-88
1" OR LARGER	23. FIELD ALTERATION No. 1	6-8-88
RELOCATE METER	24. FIELD ALTERATION No. 1	6-8-88

REVISIONS	
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT	
DESIGN PACKAGE THREE ALAMO PLAZA	
DEVELOPER	C.N.B.
CONT.	BUDGET PROJ. #34, #37
SUBMITTED	PAPE-DAYTON ENGINEERING, INC.
APPROVED	12/1/88
MAP NO.	C.N.B. B
SECTION NO.	DR. CH. JOB NO. 87-5305 OF 341



DOWNTOWN TRIPARTY



SITE DIAGRAM

1183C. PIPING & BOLLARDS
 FLAG POLE
 FIRE NOZZLE
 WATER FAUCET / HOSE BIBS
 FUEL STORAGE NOZZLE
 WATER VALVE
 GAS VALVE
 STREET SIGN
 FIRE HYDRANT
 STAND PIPE
 LIGHT STANDARD
 TRAFFIC LIGHT
 TRAFFIC CONTROLLER
 TELEPHONE PEDISTAL
 PUBLIC PHONE

STORM SEWER LINE _____ STM. SWR. _____
WATER LINE _____ W. _____
TELEPHONE LINE _____ T.L. _____
ELECTRIC LINE _____ E.L. _____
SANITARY SEWER LINE _____ S.S. _____
WESTERN UNION LINE _____ W.U. _____
GAS LINE _____ G.L. _____

ELECTRIC BOX
EXHAUST VENT
TRASH RECEPTACLE
WATER METER
STORM SEWER GRATE
PARKING METER
GREASE TRAP
SANITARY SEWER MANHOLE
STORM SEWER MANHOLE
ELECTRIC MANHOLE
TELEPHONE MANHOLE
WESTERN UNION MANHOLE
WATER MANHOLE
GAS MANHOLE
SIDEWALK DRAIN

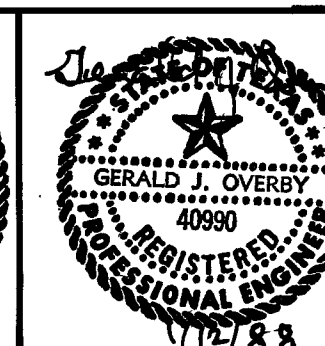
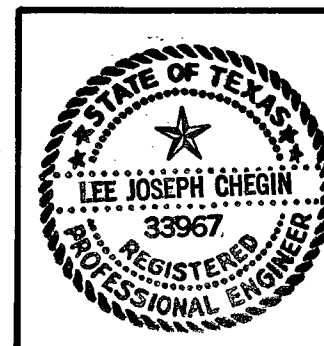
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TRENCH EXCAVATION PROTECTION

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NOTE:

EXISTING STREETCAR TRACKS IN COMMERCE STREET. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341



LEGEND

PROP. WATER MAIN
EXIST. WATER MAIN
GAS MAIN
SANITARY SEWER
STORM SEWER
UTILITY POLE LINE
ELECTRIC CABLE
TELEPHONE CABLE
RESISTIVITY READING
NEW SERVICE:
3/4"
1" OR LARGER
SERVICE RECONNECT:
3/4"
1" OR LARGER
SERVICE RELAY:
3/4"
1" OR LARGER
SERVICE RELOCATE:
3/4"
1" OR LARGER
RELOCATE METER

1	ADDENDUM No. 3			2/12/88
2	FIELD ALTERATION No. 1			
	REVISED MARKS & SERVICES		241	4/29/88
	FIELD ALTERATION No. 1	REVISED	SR	6-8-88
No.	DESCRIPTION	DRAWN	APPROVED	DATE
REVISIONS				
 San Antonio	DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT			
	DESIGN PACKAGE			
	THREE ALAMO PLAZA			
DEVELOPER <i>C.W.B.</i>				
CONT.		BUDGET PROJ. #34, #37		
SUBMITTED <i>PARE DESIGN CONSULTING ENGINEERS, INC.</i>				
APPROVED <i>[Signature]</i> 12 Jan 88				
MAP NO.				SHEET
SECTION NO.				CWB 9
DR.	CH.	JOB NO. 87-5305		OF 34



1112109

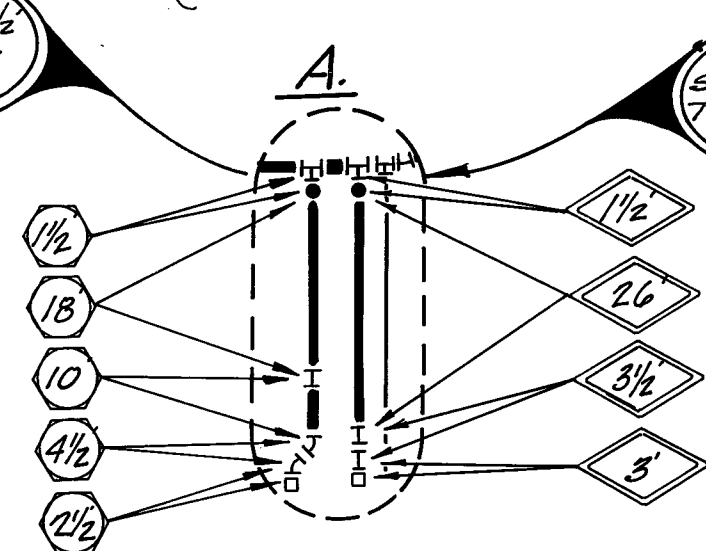
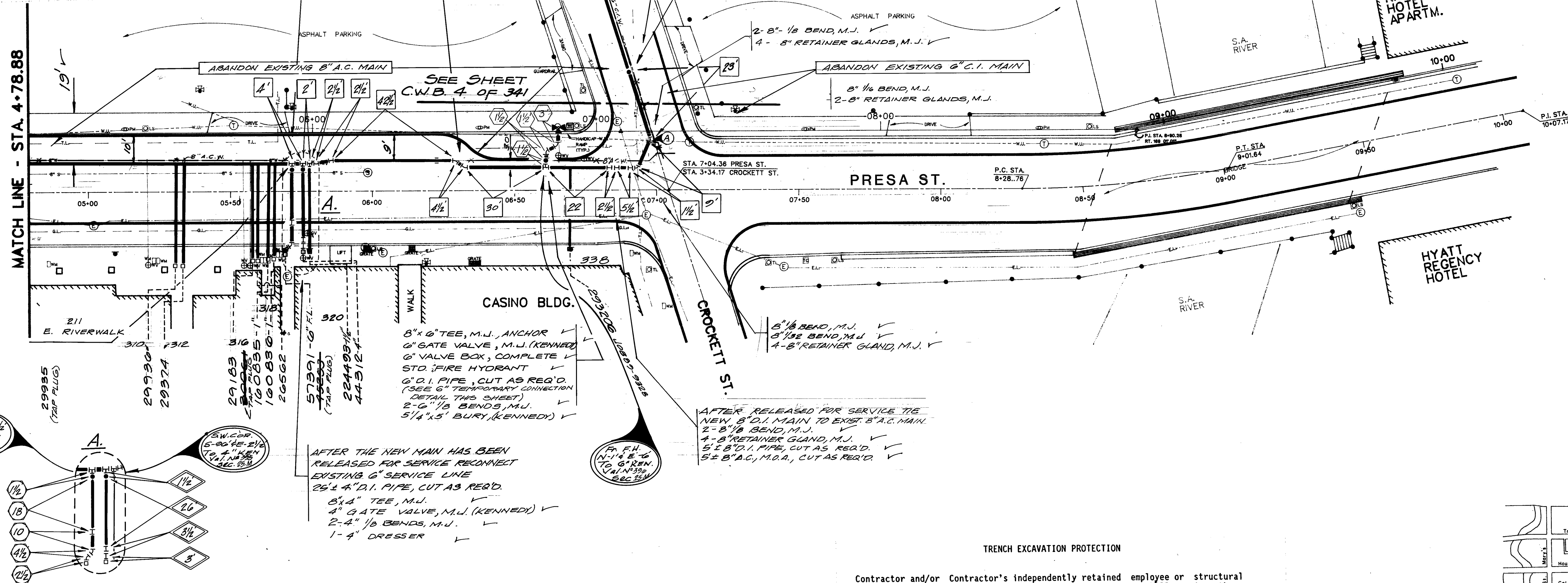
NOTE: CONTRACTOR SHALL BE PAID FOR FITTINGS AND PIPE ONLY AS PER BID ITEM.

EXIST. FIRE HYDRANT
EXIST. CURB
EXIST. WATER MAIN TO BE ABANDONED
PROR CURB
PROR 6" D.I. PIPE FOR FIRE HYDRANT
PROR WATER MAIN
AFTER CONSTRUCTION OF NEW CURB CONTRACTOR TO REMOVE BENDS AND INSTALL NEW FIRE HYDRANT ON 6" D.I. PIPE AND ABANDON AND SALVAGE EXIST. FIRE HYDRANT.

6" TEMPORARY CONNECTION FOR FIRE HYDRANT

N.T.S.

MATCH LINE - STA. 4+78.88

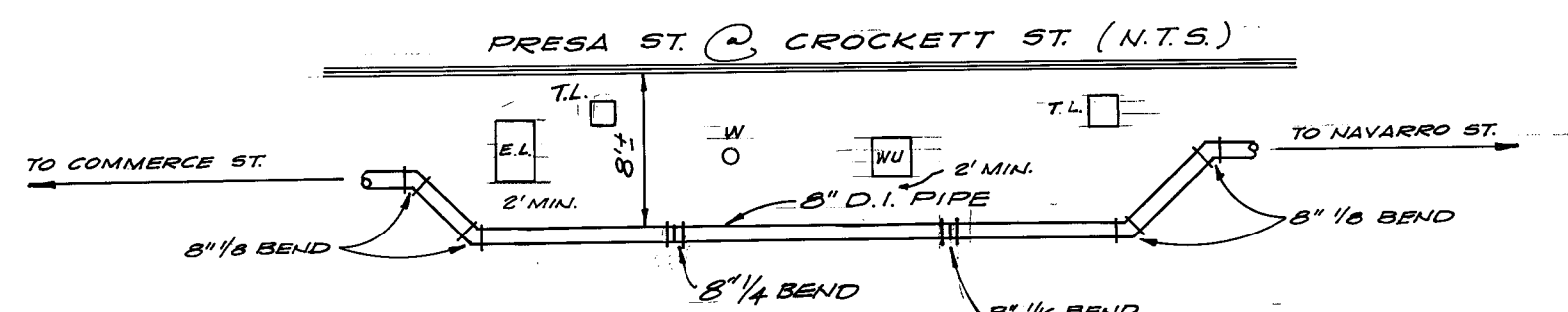


LEGEND

•	MISC. PIPING & BOLLARDS	■	ELECTRIC BOX
○	FLAG POLE	■	EXHAUST VENT
○	FIRE NOZZLE	■	TRASH RECEPTACLE
○	WATER FAUCET / HOSE BIBB	■	WATER METER
○	FUEL STORAGE NOZZLE	■	STORM SEWER GRATE
○	WATER VALVE	■	PARKING METER
○	GAS VALVE	■	GREASE TRAP
○	STREET SIGN	■	SANITARY SEWER MANHOLE
○	FIRE HYDRANT	■	STORM SEWER MANHOLE
○	STAND PIPE	■	ELECTRIC MANHOLE
○	LIGHT STANDARD	■	TELEPHONE MANHOLE
○	TRAFFIC LIGHT	■	WESTERN UNION MANHOLE
○	TRAFFIC CONTROLLER	■	WATER MANHOLE
○	TELEPHONE PEDISTAL	■	GAS MANHOLE
○	PUBLIC PHONE	■	SIDEWALK DRAIN

—	STORM SEWER LINE	—	STN. SWR.
—	WATER LINE	—	8" W
—	TELEPHONE LINE	—	T.L.
—	ELECTRIC LINE	—	E.L.
—	SANITARY SEWER LINE	—	8" S
—	WESTERN UNION LINE	—	W.U.
—	GAS LINE	—	G.L.

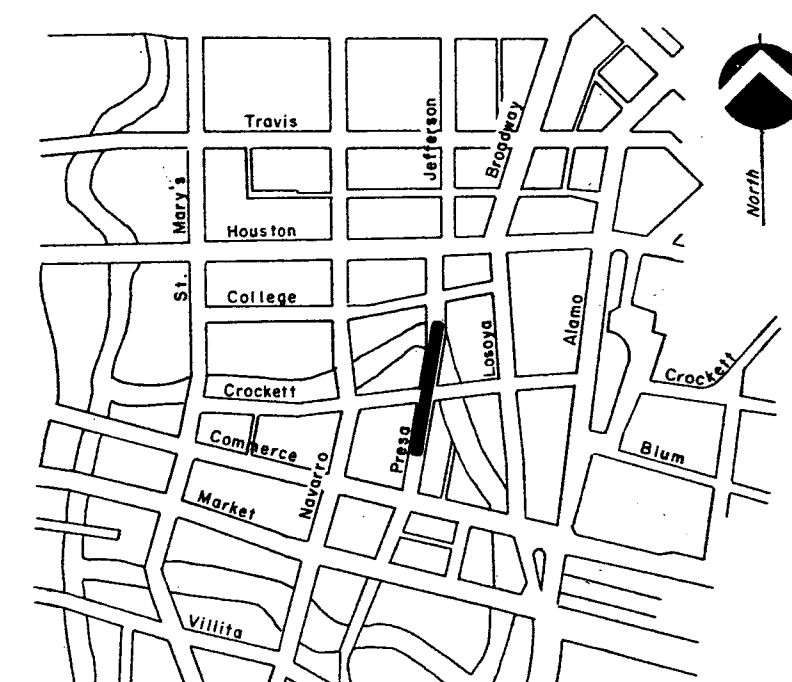
NOTE: EXISTING STREETCAR TRACKS IN PRESA ST. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341



NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

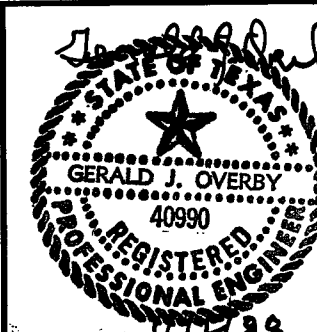
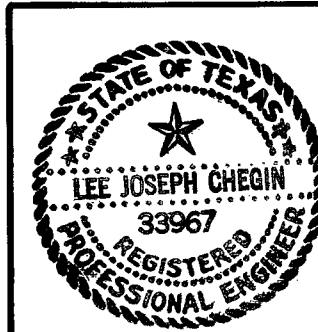
TRENCH EXCAVATION PROTECTION

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SITE DIAGRAM

LEGEND		1 ADDENDUM No. 3		2/17/88
PROF. WATER MAIN	—	2 FIELD ALTERATION No. 1		4/29/88
EXIST. WATER MAIN	—	REVISED MAIN & SERVICES		6-3-88
GAS MAIN	—	FIELD ALTERATION No. 1 REVISED		6-3-88
SANITARY SEWER	—	No. DESCRIPTION		APPROVED DATE
STORM SEWER	—	REVISIONS		
UTILITY POLE LINE	—	DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT		
ELECTRIC CABLE	—	DESIGN PACKAGE THREE ALAMO PLAZA		
TELEPHONE CABLE	—	San Antonio		
RESISTIVITY READING	—	DEVELOPER C.W.B.		
NEW SERVICE:	—	CONT. BUDGET PROJ. #24, #37		
3/4" 1" OR LARGER	—	SUBMITTED DATE: DAWSON CONSULTING ENGINEERS, INC.		
SERVICE RECONNECT:	—	APPROVED		
3/4" 1" OR LARGER	—	MAP NO.		
SERVICE RELAY:	—	SECTION No.		
3/4" 1" OR LARGER	—	Dr. Ch. JOB No. 87-5305 OF 341		
SERVICE RELOCATE:	—			
3/4" 1" OR LARGER	—			
RELOCATE METER	—			





112110

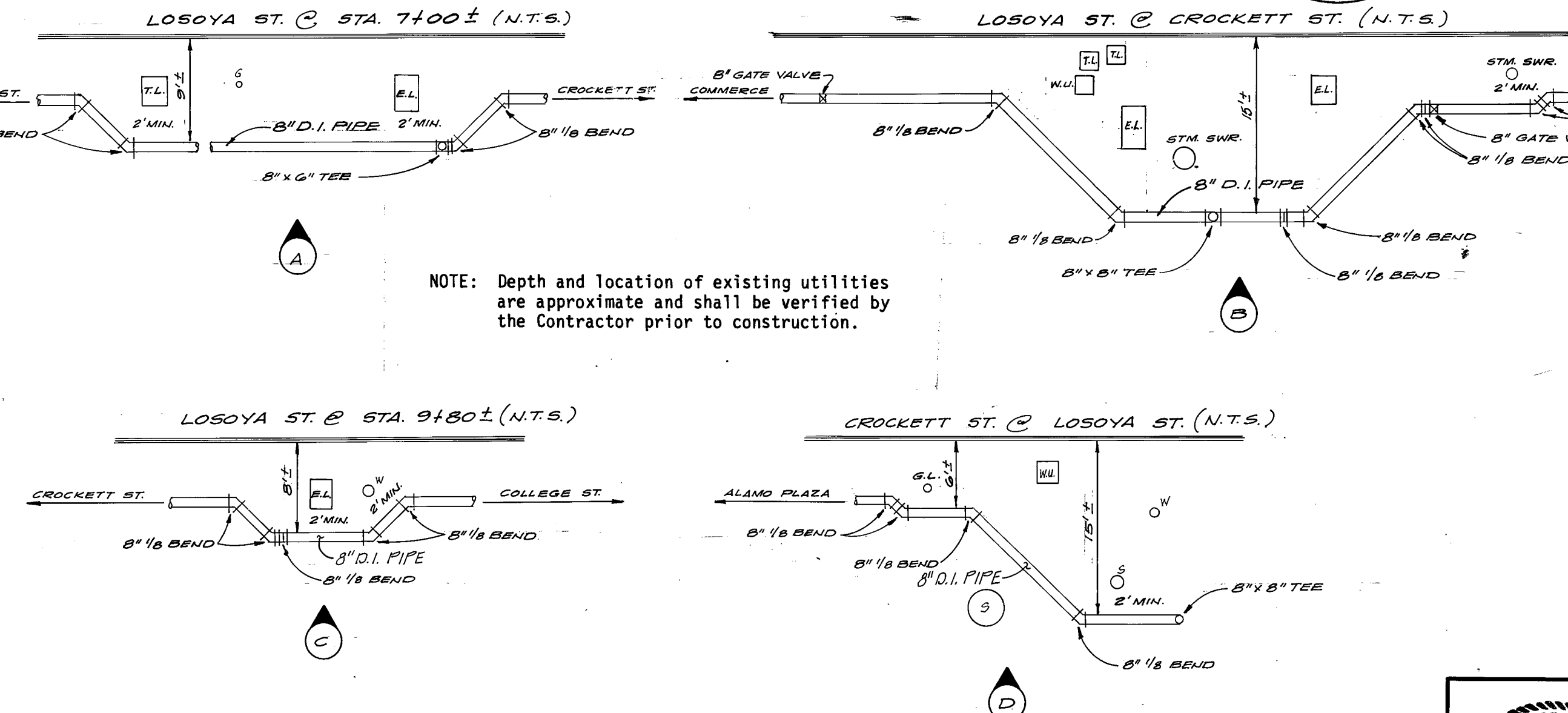
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TRENCH EXCAVATION PROTECTION

LEGEND

- | | |
|----------------------------|--------------------------|
| • MISC. PIPING & BOLLARDS | ⊠ ELECTRIC BOX |
| ⊠ FLAG POLE | ⊠ EXHAUST VENT |
| ⊠ FIRE NOZZLE | ⊠ TRASH RECEPTACLE |
| ⊠ WATER FAUCET / HOSE BIBB | ⊠ WATER METER |
| ⊠ FUEL STORAGE NOZZLE | ⊠ STORM SEWER GRATE |
| ⊠ WATER VALVE | ⊠ PARKING METER |
| ⊠ GAS VALVE | ⊠ GREASE TRAP |
| ⊠ STREET SIGN | ⊠ SANITARY SEWER MANHOLE |
| ⊠ FIRE HYDRANT | ⊠ STORM SEWER MANHOLE |
| ⊠ STAND PIPE | ⊠ ELECTRIC MANHOLE |
| ⊠ LIGHT STANDARD | ⊠ TELEPHONE MANHOLE |
| ⊠ TRAFFIC LIGHT | ⊠ WESTERN UNION MANHOLE |
| ⊠ TRAFFIC CONTROLLER | ⊠ WATER MANHOLE |
| ⊠ TELEPHONE PEDISTAL | ⊠ GAS MANHOLE |
| ⊠ PUBLIC PHONE | ⊠ SIDEWALK DRAIN |
-
- | | |
|-------------------------|---------------|
| — STORM SEWER LINE — | — STW. SWR. — |
| — WATER LINE — | — W. — |
| — TELEPHONE LINE — | — T.L. — |
| — ELECTRIC LINE — | — E.L. — |
| — SANITARY SEWER LINE — | — S.S. — |
| — WESTERN UNION LINE — | — W.U. — |
| — GAS LINE — | — G.L. — |

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

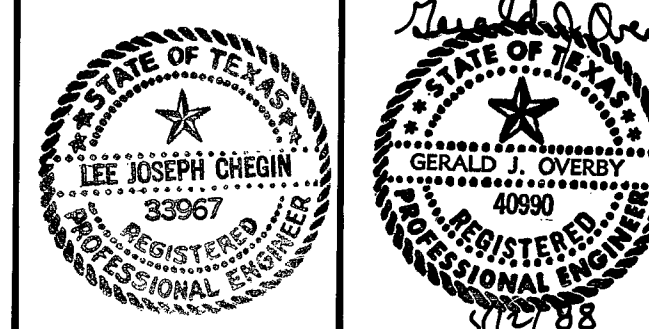
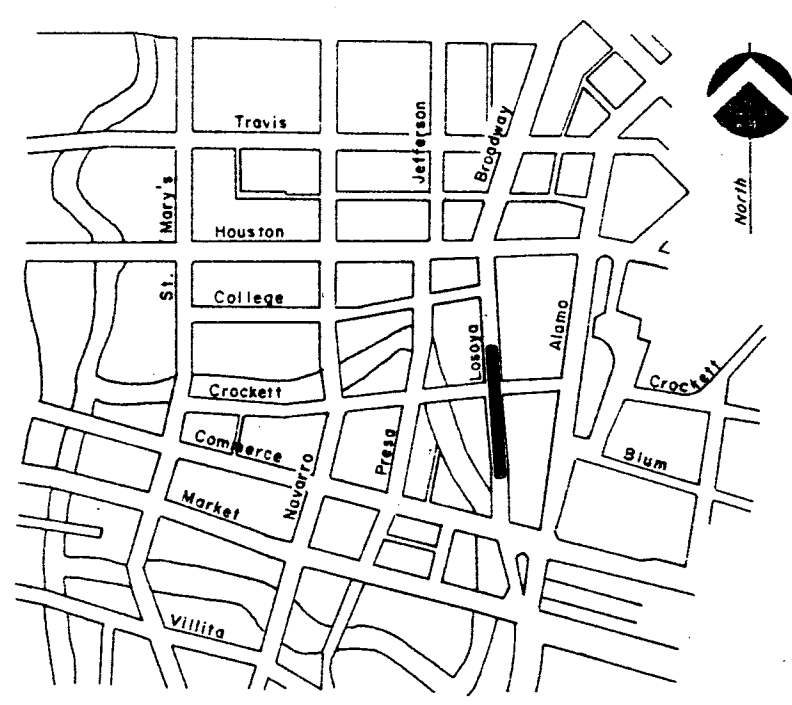


NOTE: EXISTING STREETCAR TRACKS IN LOSOYA ST. FOR TYPICAL STREETCAR TRACK DETAIL. SEE SHEET C.W.B. 1 OF 341

LEGEND	
PROP. WATER MAIN	— 6" C.W.B. —
EXIST. WATER MAIN	— 6" C.W.B. —
GAS MAIN	— 2" G. —
SANITARY SEWER	— 8" S.A. —
STORM SEWER	— 24" ST. —
UTILITY POLE LINE	— U.P.L. —
ELECTRIC CABLE	— E. —
TELEPHONE CABLE	— T. —
RESISTIVITY READING	— R. —
NEW SERVICE:	
3/4"	
1" OR LARGER	
SERVICE RECONNECT:	
3/4"	
1" OR LARGER	
SERVICE RELAY:	
3/4"	
1" OR LARGER	
SERVICE RELOCATE:	
3/4"	
1" OR LARGER	
RELOCATE METER	

REVISIONS	
No.	DESCRIPTION
1	ADDENDUM NO. 3
2	FIELD ALTERATION NO. 1
3	FIELD ALTERATION NO. 1 REVISED
REVISIONS	
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT	
DESIGN PACKAGE THREE ALAMO PLAZA	
DEVELOPER C.W.B.	
CONT. BUDGET PROJ. #24, #37	
SUBMITTED PIPE DAWSON CONSULTING ENGINEERS, INC.	
APPROVED [Signature]	
MAP NO.	SHEET C.W.B. 11
SECTION No.	DR. Ch. JOB NO. 87-5305 OF 341

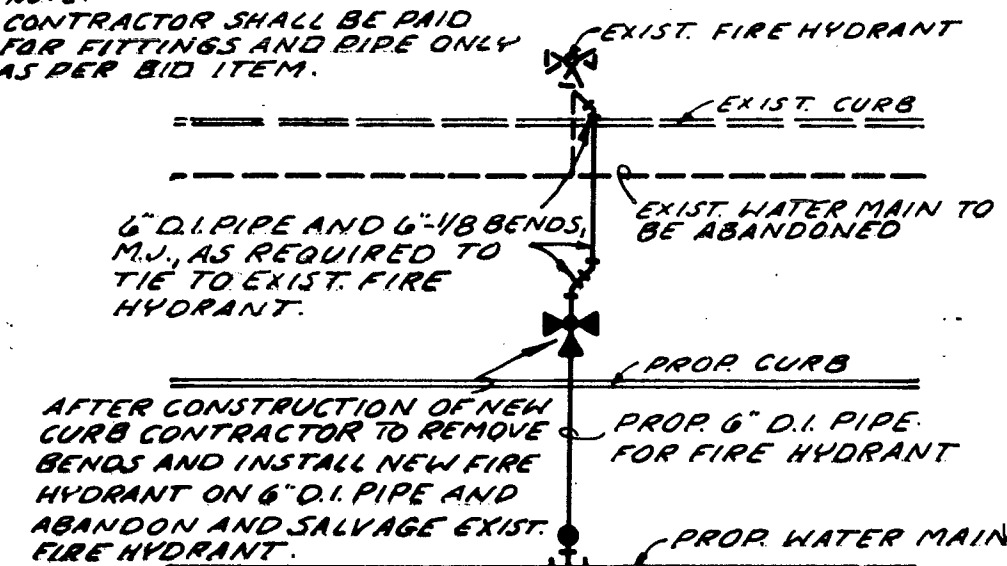
6" TEMPORARY CONNECTION FOR FIRE HYDRANT





111211

NOTE: CONTRACTOR SHALL BE PAID FOR FITTINGS AND PIPE ONLY AS PER BID ITEM.



6" TEMPORARY CONNECTION FOR FIRE HYDRANT
N.T.S.

CUT-IN
1-6" GATE VALVE, M.J. (KENNEDY)
1-6" VALVE BOX, COMPLETE
1-8" SOLID SLEEVE

6" x 6" TEE, M.J., ANCHOR
6" GATE VALVE, M.J.
6" VALVE BOX, COMPLETE
STD. FIRE HYDRANT
6" D.I. PIPE, CUT AS REQ'D
SEE 6" TEMPORARY CONNECTION FOR FIRE HYDRANT DETAIL (THIS SHEET)

MATCH LINE - STA. 10+42.50

RELAY NOT REQUIRED

RELAY NOT REQUIRED

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXISTING 6" SERVICE LINE
25' x 3" D.I. PIPE, CUT AS REQ'D
2-6" x 1/8" BENDS, M.J.
6" CAST COUPLING

6" x 6" TEE, M.J., ANCHOR
6" GATE VALVE, M.J. (KENNEDY)
6" VALVE BOX, COMPLETE
STD. FIRE HYDRANT
6" D.I. PIPE, CUT AS REQ'D
6" TEMPORARY CONNECTION FOR FIRE HYDRANT DETAIL (THIS SHEET)
2-6" x 1/8" BEND, M.J.
5' x 5' BURY (KENNEDY)

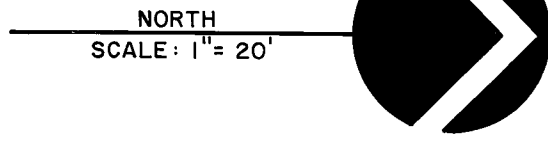
AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE RECONNECT EXISTING 6" SERVICE LINE
6" x 6" TEE, M.J.
6" GATE VALVE, M.J. (KENNEDY)
6" VALVE BOX, COMPLETE
6" SOLID PLUG, M.J. (TEMP.)
2-6" x 1/8" BEND, M.J.
1-6" x 1/4" BEND, M.J.
6" CAST COUPLING

6" x 6" TAPPED TEE
2" CORP. STOP 1/2" EXHAUST
8" M.J. x 2" THD. ECCENTRIC REDUCER (TEMP.)
2" STD. BLOW-OFF (TEMP.)
SEE C.W.B. STD. DRAWING 00-10-00 SHEET 1 OF 3

DESIGN PACKAGE THREE
DESIGN SHEET ONE
C.W.B. 0 OF 21

STA. 13+83.42 LOSOYA ST.
PROP. & HOUSTON ST.

8" M.J. x 2" THD. D.I. ECCENTRIC REDUCER (TEMP.)
2" BLOW-OFF (TEMP.)
SEE C.W.B. STD. DWG. 00-10-00 SHEET 1 OF 3



LEGEND

- | | |
|---------------------------|--------------------------|
| • MISC. PIPING & BOLLARDS | □ ELECTRIC BOX |
| ○ FLAG POLE | □ EXHAUST VENT |
| □ FIRE NOZZLE | □ TRASH RECEPTACLE |
| □ WATER FAUCET / HOSE BIB | □ WATER METER |
| □ FUEL STORAGE NOZZLE | □ STORM SEWER GRATE |
| □ WATER VALVE | □ PARKING METER |
| □ GAS VALVE | □ GREASE TRAP |
| □ STREET SIGN | □ SANITARY SEWER MANHOLE |
| □ FIRE HYDRANT | □ STORM SEWER MANHOLE |
| □ STAND PIPE | □ ELECTRIC MANHOLE |
| □ LIGHT STANDARD | □ TELEPHONE MANHOLE |
| □ TRAFFIC LIGHT | □ WESTERN UNION MANHOLE |
| □ TRAFFIC CONTROLLER | □ WATER MANHOLE |
| □ TELEPHONE PEDISTAL | □ GAS MANHOLE |
| □ PUBLIC PHONE | □ SIDEWALK DRAIN |

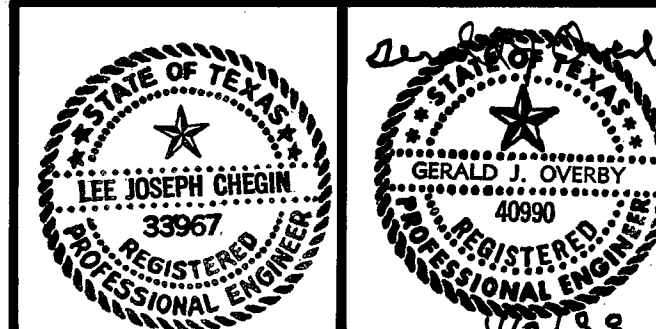
- | | |
|---------------------|---------------|
| STORM SEWER LINE | — STN. SWR. — |
| WATER LINE | — W. — |
| TELEPHONE LINE | — T.L. — |
| ELECTRIC LINE | — E.L. — |
| SANITARY SEWER LINE | — S.S. — |
| WESTERN UNION LINE | — W.U. — |
| GAS LINE | — G.L. — |

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

NOTE: EXISTING STREETCAR TRACKS IN HOUSTON STREET. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



LEGEND	
PROP. WATER MAIN	— 6" W. —
EXIST. WATER MAIN	— 6" W. —
GAS MAIN	— 2" G. —
SANITARY SEWER	— 8" S.S. —
STORM SEWER	— 24" ST. —
UTILITY POLE LINE	— U.P.L. —
ELECTRIC CABLE	— E.C. —
TELEPHONE CABLE	— T.C. —
RESISTIVITY READING	— R.R. —
NEW SERVICE	— N.S. —
1" OR LARGER SERVICE RECONNECT	— 1" OR LARGER —
1" OR LARGER SERVICE RELAY	— 1" OR LARGER —
1" OR LARGER SERVICE RELOCATE	— 1" OR LARGER —
1" OR LARGER RELOCATE METER	— 1" OR LARGER —

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	ADDENDUM NO. 3		2/17/88
2	FIELD ALTERATION NO. 1		4/29/88
3	FIELD ALTERATION NO. 1	REVISED	6-3-88

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	1" OR LARGER SERVICE RECONNECT		
2	1" OR LARGER SERVICE RELAY		
3	1" OR LARGER SERVICE RELOCATE		
4	1" OR LARGER RELOCATE METER		

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	1" OR LARGER SERVICE RECONNECT		
2	1" OR LARGER SERVICE RELAY		
3	1" OR LARGER SERVICE RELOCATE		
4	1" OR LARGER RELOCATE METER		

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	1" OR LARGER SERVICE RECONNECT		
2	1" OR LARGER SERVICE RELAY		
3	1" OR LARGER SERVICE RELOCATE		
4	1" OR LARGER RELOCATE METER		

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	1" OR LARGER SERVICE RECONNECT		
2	1" OR LARGER SERVICE RELAY		
3	1" OR LARGER SERVICE RELOCATE		
4	1" OR LARGER RELOCATE METER		

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	1" OR LARGER SERVICE RECONNECT		
2	1" OR LARGER SERVICE RELAY		
3	1" OR LARGER SERVICE RELOCATE		
4	1" OR LARGER RELOCATE METER		

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	1" OR LARGER SERVICE RECONNECT		
2	1" OR LARGER SERVICE RELAY		
3	1" OR LARGER SERVICE RELOCATE		
4	1" OR LARGER RELOCATE METER		

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
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REVISIONS			
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1	1" OR LARGER SERVICE RECONNECT		
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REVISIONS			
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1	1" OR LARGER SERVICE RECONNECT		
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
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REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
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REVISIONS			
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REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED



112112

MISC. PIPING & BOLLARDS
FLAG POLE
FIRE NOZZLE
WATER FAUCET / HOSE BIBB
FUEL STORAGE NOZZLE
WATER VALVE
GAS VALVE
STREET SIGN
FIRE HYDRANT
STAND PIPE
LIGHT STANDARD
TRAFFIC LIGHT
TRAFFIC CONTROLLER
TELEPHONE PEDISTAL
PUBLIC PHONE

STORM SEWER LINE
WATER LINE
TELEPHONE LINE
ELECTRIC LINE
SANITARY SEWER LINE
WESTERN UNION LINE
GAS LINE

ELECTRIC BOX
EXHAUST VENT
TRASH RECEPTICLE
WATER METER
STORM SEWER TAP
PARKING METER
GREASE TRAP
SANITARY SEWER MANHOLE
STORM SEWER MANHOLE
ELECTRIC MANHOLE
TELEPHONE MANHOLE
WESTERN UNION MANHOLE
WATER MANHOLE
GAS MANHOLE
SIDEWALK DRAIN

LEGEND

6" TEMPORARY CONNECTION
FOR FIRE HYDRANT
N.T.S.

NOTE: CONTRACTOR SHALL BE PAID FOR FITTINGS AND PIPE ONLY AS PER BID ITEM.

EXIST. FIRE HYDRANT
EXIST. CURB
EXIST. WATER MAIN TO BE ABANDONED
PROPR CURB
PROPR WATER MAIN
AFTER CONSTRUCTION OF NEW CURB CONTRACTOR TO REMOVE BENDS AND INSTALL NEW FIRE HYDRANT ON 6" D.I. PIPE AND ABANDON AND SALVAGE EXIST. FIRE HYDRANT.

SHORTEN FIRE HYDRANT BRANCH AND TIE TO EXIST. 6" GATE VALVE.
1-STD. FIRE HYDRANT
6" D.I. PIPE, CUT AS REQ'D
5/4"x5" BURY (KENNEDY)

AFTER RELEASED FOR SERVICE, TIE NEW 16" D.I. MAIN TO EXIST. 16" D.I. MAIN.
TIE 16"x16" TAPPING SLEEVE TO FIT D.I. PIPE
16" TAPPING VALVE, M.J. (GLOW)
6" VALVE BOX, COMPLETE

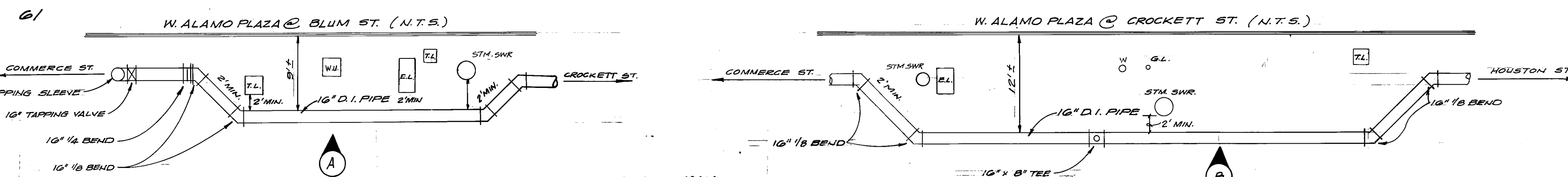
NOTE: CONTRACTOR TO INSTALL AND CONNECT 6" D.I. PIPE FROM NEW VALVE TAPPING TO EXISTING FIRE HYDRANT.

AFTER TRANSFER OF SERVICES CUT AND CAP EXIST. 16" STUD OUT.
16" SOLID PLUG, M.J. ✓

STREET STA. 8+05
16"x16" TEE, M.J. ANCHOR ✓
6" GATE VALVE, M.J. (KENNEDY) ✓
6" VALVE BOX, COMPLETE ✓
STD. FIRE HYDRANT
6" D.I. PIPE, CUT AS REQ'D.
(SEE 6" TEMPORARY CONNECTION DETAIL THIS SHEET)
5/4"x5" BURY (KENNEDY) ✓

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

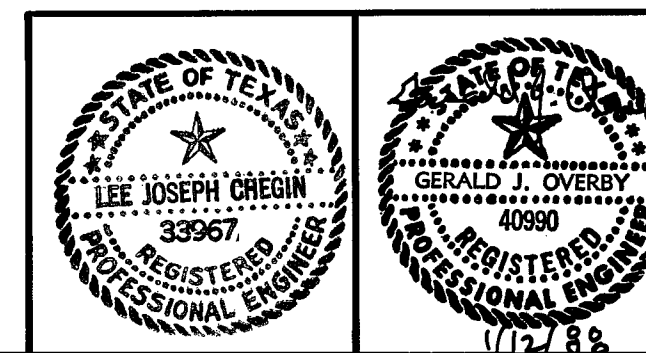
TRENCH EXCAVATION PROTECTION



NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

NOTE:

EXISTING STREETCAR TRACKS IN W. ALAMO PLAZA. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341



LEGEND	
PROP. WATER MAIN	— 6" C.W.B. —
EXIST. WATER MAIN	— 6" C.W.B. —
GAS MAIN	— 2" G. —
SANITARY SEWER	— 8" S.A. —
STORM SEWER	— 24" ST. —
UTILITY POLE LINE	— —
ELECTRIC CABLE	— —
TELEPHONE CABLE	— —
RESISTIVITY READING	— —
NEW SERVICE:	3/4"
1" OR LARGER	— —
SERVICE RECONNECT:	3/4"
1" OR LARGER	— —
SERVICE RELAY:	3/4"
1" OR LARGER	— —
SERVICE RELOCATE:	3/4"
1" OR LARGER	— —
RELOCATE METER	— —

SITE DIAGRAM	
1. APPENDIX No. 3	2/17/88
2. FIELD ALTERATION No. 1	
DELETED TEMP. CONNECTION FOR FIRE HYDRANT	4/29/88
FIELD ALTERATION No. 1	REVISED GR 16-3-88
No.	DESCRIPTION
REVISIONS	
DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT	
DESIGN PACKAGE THREE ALAMO PLAZA	
DEVELOPER C.W.B.	
CONT.	BUDGET PROJ. #24, #37
SUBMITTED	PAPE & DANSON CONSULTING ENGINEERS, INC.
APPROVED	12/1/88
MAP NO.	
SECTION NO.	
DR.	CH. JOB NO. 87-5305
	SHEET C.W.B. 13 OF 341

AFTER RELEASED FOR SERVICE, TIE NEW 8" D.I. MAIN TO EXISTING 8" A.C. MAIN.
2-8" 1/2" BEND, M.J. ✓
1-8" 1/2" BEND, M.J. ✓
6-8" RETAINER GLAND, M.J. ✓
8" GATE VALVE, M.J. (KENNEDY) ✓
6" VALVE BOX, COMPLETE ✓
10± 8" D.I. PIPE, CUT AS REQ'D.
5± 8" A.C. MOA, CUT AS REQ'D.

8" M.J. x 8" THD. D.I. ECCENTRIC REDUCER (TEMP.)
2" BLOW-OFF (TEMP.)
SEE C.W.B. STD. DNG. DD-10-00 SHEET 1 OF 3

INSTALL 1" AUTOMATIC AIR RELEASE VALVE @ TAP POINT
1 CORR. 6" STD. DNG. DD-10-00 SHT. 1 OF 2
SEE C.W.B. STD. DNG. DD-06-00 SHT. 1 OF 2

AFTER RELEASED FOR SERVICE, TIE NEW 8" D.I. MAIN TO EXISTING 8" A.C. MAIN.
8" GATE VALVE, M.J. (KENNEDY) ✓
6" VALVE BOX COMPLETE ✓
2-8" 1/2" BEND, M.J. ✓
4-8" RETAINER GLAND, M.J. ✓
1-8" SOLID SLEEVE, M.J. ✓

AFTER THE NEW MAIN HAS BEEN RELEASED FOR SERVICE, CONNECT EXISTING 4" SERVICE LINE
45± 4" D.I. PIPE, CUT AS REQ'D.
2-4" 1/2" BEND, M.J.
4" LAST COUPLING

16"x4" TEE, M.J.
4" GATE VALVE, M.J.
6" VALVE BOX, COMPLETE
4" SOLID PLUG, M.J. (TEMP.)
4" ANCHOR COUPLING

NORTH
SCALE: 1" = 20'

8" M.J. x 2" THD. D.I. ECCENTRIC REDUCER (TEMP.)
2" BLOW-OFF (TEMP.)
SEE C.W.B. STD. DNG. DD-10-00 SHEET 1 OF 3

3-16 1/4" BENDS, M.J.
4-16 1/4" BENDS, M.J.
12-16" RETAINER GLANDS, M.J.

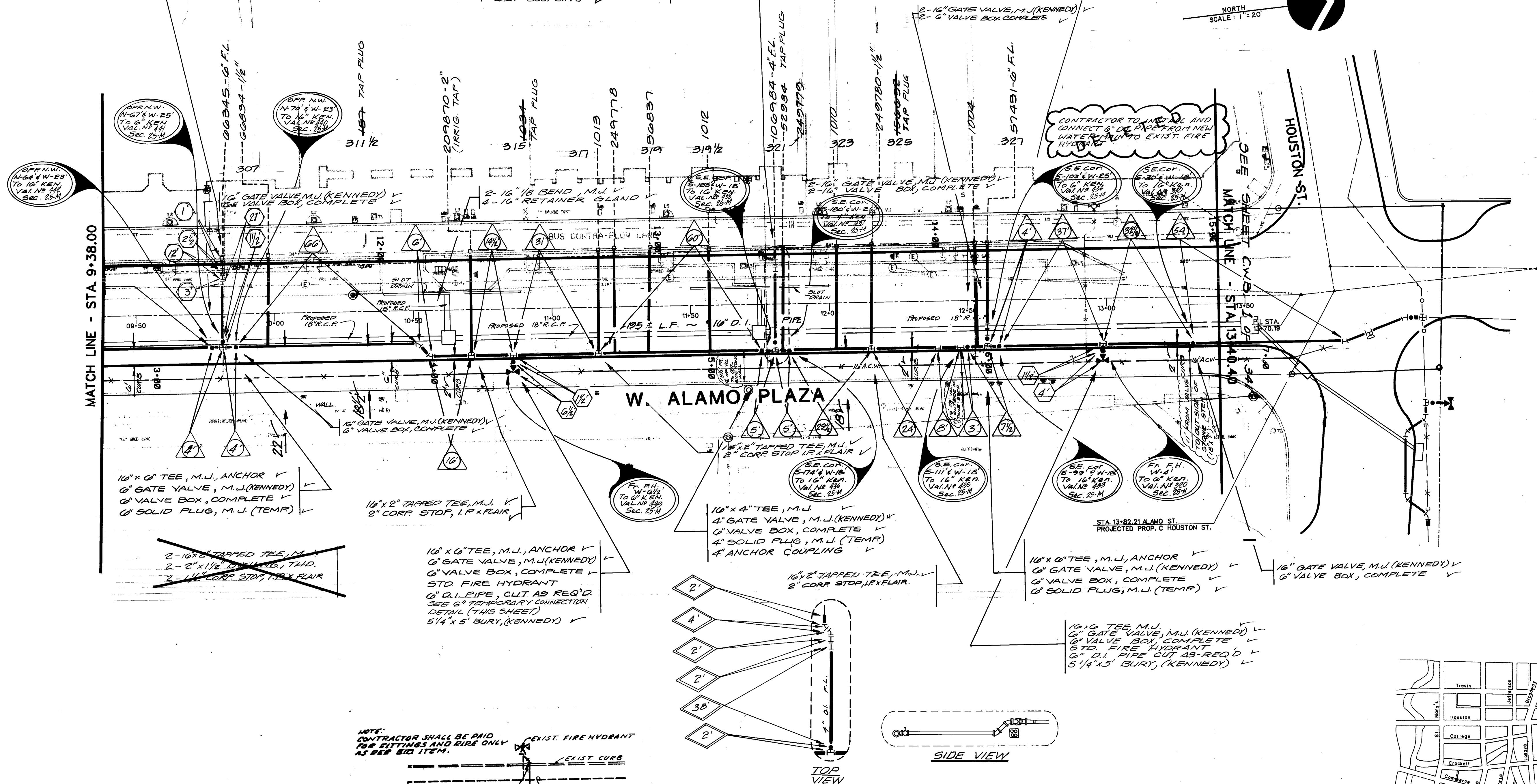
SEC. 25M
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AFTER THE NEW MAIN HAS BEEN
RELEASED FOR SERVICE RECONNECT
EXISTING 6" SERVICE LINE
50' ± 6" D.I. PIPE, CUT AS REQ'D.
2-6" 1/8 BEND, M.J. ✓
6" CAST COUPLING ✓

AFTER THE NEW MAIN HAS BEEN
RELEASED FOR SERVICE RECONNECT
EXISTING 4" SERVICE LINE
55' ± 4" D.I. PIPE, CUT AS REQ'D.
2-4" 1/8 BEND, M.J. ✓
4" CAST COUPLING ✓

AFTER THE NEW MAIN HAS BEEN
RELEASED FOR SERVICE RECONNECT
EXISTING 6" SERVICE LINE
50' ± 6" D.I. PIPE
6" CAST COUPLING ✓
2-6" 1/8 BEND, M.J. ✓

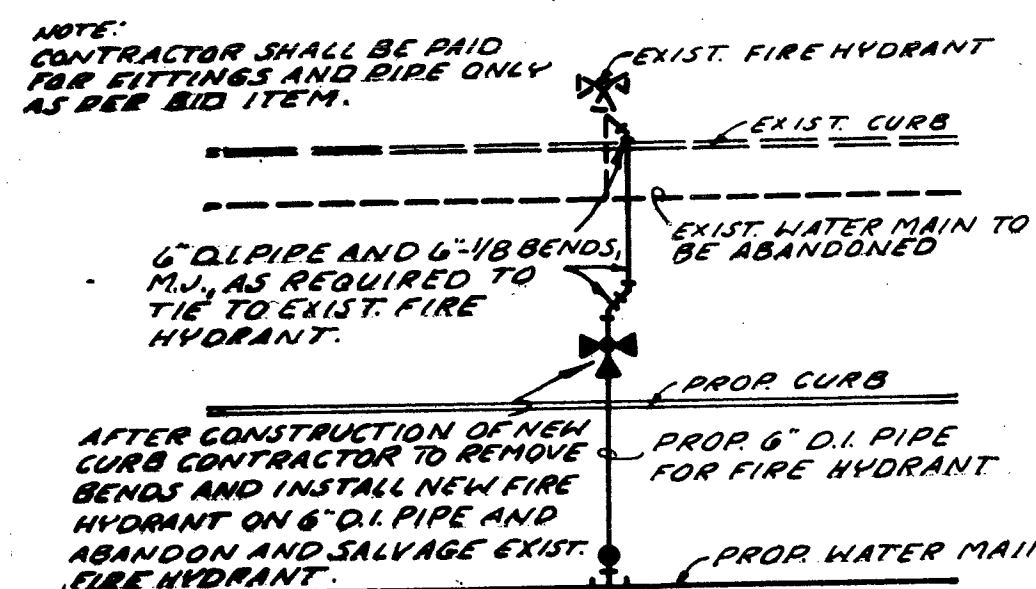


LEGEND

• MISC. PIPING & BOLLARDS
• FLAG POLE
• FIRE NOZZLE
• WATER FAUCET / HOSE BIBB
• FUEL STORAGE NOZZLE
• WATER VALVE
• GAS VALVE
• STREET SIGN
• FIRE HYDRANT
• STAND PIPE
• LIGHT STANDARD
• TRAFFIC LIGHT
• TRAFFIC CONTROLLER
• TELEPHONE PEDISTAL
• PUBLIC PHONE

STORM SEWER LINE — STM. SWR.
WATER LINE — W.L.
TELEPHONE LINE — T.L.
ELECTRIC LINE — E.L.
SANITARY SEWER LINE — S.S.
WESTERN UNION LINE — W.U.
GAS LINE — G.L.

ELECTRIC BOX
EXHAUST VENT
TRASH RECEPTACLE
WATER METER
STORM SEWER GRATE
PARKING METER
GREASE TRAP
SANITARY SEWER MANHOLE
STORM SEWER MANHOLE
ELECTRIC MANHOLE
TELEPHONE MANHOLE
WESTERN UNION MANHOLE
WATER MANHOLE
GAS MANHOLE
SIDEWALK DRAIN

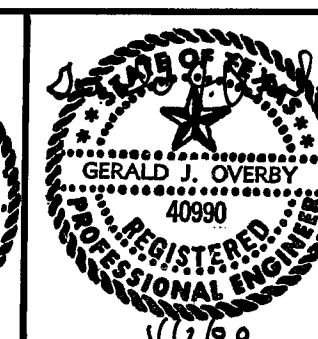
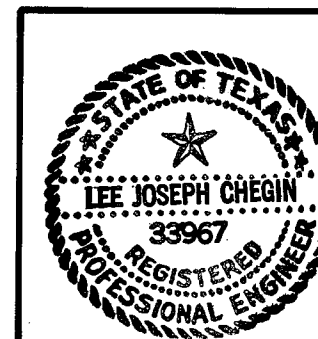
6" TEMPORARY CONNECTION
FOR FIRE HYDRANT

NOTE:

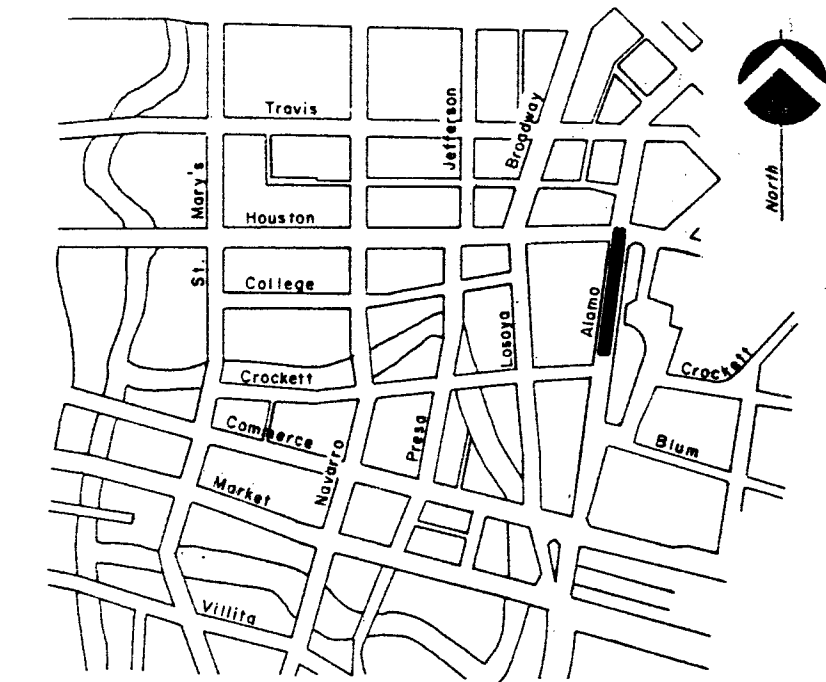
EXISTING STREETCAR TRACKS IN W. ALAMO
PLAZA AND HOUSTON STREET. FOR TYPICAL
STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.



SITE DIAGRAM



LEGEND			
PROP. WATER MAIN	— 6" D.I. —	1	APPENDIX No. 3
EXIST. WATER MAIN	— 6" D.I. —	2	FIELD ALTERATION No. 1
GAS MAIN	— 2" —		FIELD ALTERATION No. 1
SANITARY SEWER	— 8" S.A. —		FIELD ALTERATION No. 1
STORM SEWER	— 24" ST. —		FIELD ALTERATION No. 1
UTILITY POLE LINE	— 4" —		FIELD ALTERATION No. 1
ELECTRIC CABLE	— E —		FIELD ALTERATION No. 1
TELEPHONE CABLE	— T —		FIELD ALTERATION No. 1
RESISTIVITY READING	— R —		FIELD ALTERATION No. 1
NEW SERVICE	— 3/4" —		FIELD ALTERATION No. 1
1" OR LARGER	— 3/4" —		FIELD ALTERATION No. 1
SERVICE RECONNECT	— 3/4" —		FIELD ALTERATION No. 1
1" OR LARGER	— 3/4" —		FIELD ALTERATION No. 1
SERVICE RELAY	— 3/4" —		FIELD ALTERATION No. 1
1" OR LARGER	— 3/4" —		FIELD ALTERATION No. 1
SERVICE RELOCATE	— 3/4" —		FIELD ALTERATION No. 1
1" OR LARGER	— 3/4" —		FIELD ALTERATION No. 1
RELOCATE METER	— 3/4" —		FIELD ALTERATION No. 1

REVISIONS			
No.	DESCRIPTION	DRAWN	APPROVED
1	APPENDIX No. 3		
2	FIELD ALTERATION No. 1		
3	FIELD ALTERATION No. 1		
4	FIELD ALTERATION No. 1		
5	FIELD ALTERATION No. 1		
6	FIELD ALTERATION No. 1		
7	FIELD ALTERATION No. 1		
8	FIELD ALTERATION No. 1		
9	FIELD ALTERATION No. 1		
10	FIELD ALTERATION No. 1		

CITY OF SAN ANTONIO		DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT	
DESIGN PACKAGE THREE ALAMO PLAZA		BUDGET PROJ. #34137	
DEVELOPER C.W.B.		SUBMITTED PAPE-DAWSON CONSULTING ENGINEERS, INC.	
CONT. BUDGET PROJ. #34137		APPROVED [Signature]	
MAP NO. C.W.B. 14		SHEET C.W.B. 14	
SECTION No. 6-3-03		JOB No. 87-5305	
DR. Ch.		OF 341	

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the Contractor's plans to implement the project described in the contract documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

NORTH
SCALE: 1" = 20'

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND FIRE HYDRANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND FIRE HYDRANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND FIRE HYDRANTS.

6" D.I. PIPE AND 6" W. BOLLARD SHALL BE REQUIRED TO BE ABANDONED TO THE EXIST. FIRE HYDRANT. AFTER CONSTRUCTION OF THE NEW MAIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND FIRE HYDRANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND FIRE HYDRANTS.

6" TEMPORARY CONNECTION FOR FIRE HYDRANT

HILTON PALACIO DEL RIO HOTEL

MARKET STREET

LOSOYA STREET

COMMERCE STREET

DULLNIG BUILDING (MCDONALD'S)

ALFONSO'S

ALAMO ST.

NOT IN D.T.T.P.

NOT IN D.T.T.P.

TIE NEW 12" D.I. MAIN TO EXIST. 16" x 12" CROSS.

16" x 12" CROSS, M.J. / 16" GATE VALVE, M.J. (KENNEDY) / 6" VALVE BOX, COMPLETE / 2-12" 1/4 BEND, M.J. / 12" DRESSER COUPLING / 16" DRESSER COUPLING

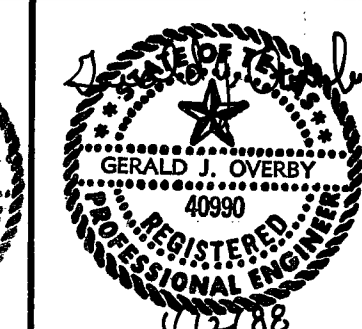
LEGEND

- MISC. PIPING & BOLLARDS
- FLAG POLE
- FIRE NOZZLE
- WATER FAUCET / HOSE BIBB
- FUEL STORAGE NOZZLE
- WATER VALVE
- GAS VALVE
- STREET SIGN
- FIRE HYDRANT
- STAND PIPE
- LIGHT STANDARD
- TRAFFIC LIGHT
- TRAFFIC CONTROLLER
- TELEPHONE PEDISTAL
- PUBLIC PHONE
- ELECTRIC BOX
- EXHAUST VENT
- TRASH RECEPTACLE
- WATER METER
- STORM SEWER GRATE
- PARKING METER
- GREASE TRAP
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE CABLE
- WESTERN UNION MANHOLE
- WATER MANHOLE
- GAS MANHOLE
- SIDEWALK DRAIN

- STORM SEWER LINE
- WATER LINE
- TELEPHONE LINE
- ELECTRIC LINE
- SANITARY SEWER LINE
- WESTERN UNION LINE
- GAS LINE

NOTE

EXISTING STREETCAR TRACKS IN COMMERCE AND ALAMO STREETS. FOR TYPICAL STREETCAR TRACK DETAIL SEE SHEET C.W.B. 1 OF 341.



LEGEND		SITE DIAGRAM	
PROP. WATER MAIN	1" OR LARGER	1. ADDENDUM No. 3	2/1/88
EXIST. WATER MAIN	1" OR LARGER	2. FIELD ALTERATION No. 1	
GAS MAIN	1" OR LARGER	DELETED TEMPORARY FIRE HYDRANT CONNECTION	
SANITARY SEWER	1" OR LARGER	REVISED SERVICES ON ALAMO TO EXISTING MAIN	4/20/88
STORM SEWER	1" OR LARGER	FIELD ALTERATION No. 1	4/20/88
UTILITY POLE LINE	1" OR LARGER	REVISIONS	
ELECTRIC CABLE	1" OR LARGER	DOWNTOWN TRIPARTY TRANSPORTATION IMPROVEMENTS PROJECT	
TELEPHONE CABLE	1" OR LARGER	DESIGN PACKAGE THREE ALAMO PLAZA	
RESISTIVITY READING	1" OR LARGER	DEVELOPER C.W.B.	
NEW SERVICE	1" OR LARGER	CONT. BUDGET PROJ. #34,37	
SERVICE RECONNECT	1" OR LARGER	SUBMITTED PAPE-DANSON CONSULTING ENGINEERS, INC.	
SERVICE RELAY	1" OR LARGER	APPROVED	
SERVICE RELOCATE	1" OR LARGER	MAP No.	
RELOCATE METER	1" OR LARGER	SECTION No.	
		Dr.	

DOWNTOWN TRIPARTY

NOTE: Depth and location of existing utilities are approximate and shall be verified by the Contractor prior to construction.

~~INSTALL 1" AUTOMATIC AIR
RELEASE VALVE AT HIGH POINT.
1" CORP. STOP, I.P.xCU.
(SEE C.W.B. STD. DWG.
DD-06-00 SHEET 1 OF 2)~~

ABANDON EXISTING 10" AND 12" C.I. MAINS

12" X 2" ECCENTRIC TAPPED
CAP, M.J. (TEMP.)
2" BLOW-OFF (TEMP.)
SEE C.W.B. STD. DWG. DD-10-00
SHEET 3 OF 3

INSTALL NEW 12" D.I. MAIN
UNDER PROP. 24" R.C.P.
TOP OF PIPE ELEV. 641.00
4-12" 1/8 BEND, M.J.

12" 1/32 BEND, M.J.
12" GATE VALVE, M.J.
(KENNEDY)
6" VALVE BOX, COMPLETE

12" GATE VALVE, M.J.
(KENNEDY)
6" VALVE BOX, COMPLETE
12" 1/16 BEND, M.J.

~~INSTALL 1" AUTOMATIC AIR
RELEASE VALVE AT HIGH POINT.
1" CORP. STOP, I.P.xCU.
(SEE C.W.B. STD. DWG.
DD-06-00 SHEET 1 OF 2)~~

~~12" X 12" TAPPED TEE, M.J.
2" CORP. STOP, I.P.xCU.~~

INSTALL NEW 12" D.I. MAIN
UNDER PROP. 24" R.C.P.
TOP OF PIPE ELEV. 644.00
2-12" 1/16 BEND, M.J.

INSTALL NEW 12" D.I. MAIN
ABOVE PROP. 36" R.C.P.
AND EXIST. 8" S.A.
TOP OF PIPE ELEV. 645.00
12" X 12" TEE, M.J.
2-12" 1/8 BEND, M.J.
20"x12" D.I. PIPE, CUT AS REQUIRED
4-12" RETAINER GLAND, M.J.

12" x 6" TEE, M.J. ANCHOR
6" GATE VALVE, M.J. (KENNEDY)
6" VALVE BOX, COMPLETE
STD. FIRE HYDRANT
6" D.I. PIPE, CUT AS REQUIRED.
6"x12" OFFSET, M.J.
5'1/4"x 5' BURY, (KENNEDY)

INSTALL NEW 12" D.I. MAIN
UNDER PROP. 24" R.C.P.
TOP OF PIPE ELEV. 645.00
2-12" 1/8 BEND, M.J.
20" ± 12" D.I. PIPE, CUT AS REQUIRED
12" CAST COUPLING

~~INSTALL 1" AUTOMATIC AIR RELEASE
VALVE AT HIGH POINT.
1" CORP. STOP, I.P.xCU.
(SEE C.W.B. STD. DWG. DD-06-00
SHEET 1 OF 2)~~

~~AFTER RELEASED FOR SERVICE TIE NEW
12" D.I. MAIN TO EXISTING 12" C.I. MAIN~~

12" GATE VALVE, M.J.
(KENNEDY)
6" VALVE BOX, COMPLETE
12" CAST COUPLING
15"x12" D.I. PIPE, CUT AS REQUIRED

AFTER RELEASED FOR SERVICE TIE NEW
12" D.I. MAIN TO PROPOSED 12" D.I. MAIN
10" ± 12" D.I. PIPE, CUT AS REQUIRED
12" CAST COUPLING

B.M. ELEV. 648.60
CHISLED SQUARE ON CURB
N.E. CORNER OF N. ST. MARY'S
AND NAVARRO ST.

NAVARRO STREET

TRENCH EXCAVATION PROTECTION

Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents.

The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

1. Call C.P.S. locator at 227-3606 48 hours before beginning any excavation.
2. Due to Federal Regulations Title 49, Part 192.181, C.P.S. must maintain access to gas valves at all times. The contractor must protect and work around any gas valves that are in the project area.
3. Contractor to contact the Telephone Company Cable Locator 48 hours prior to excavation on 650-8228. Contractor to protect and support Telephone Company Plant during construction.

SCALE: 1"=20'

NORTH

LEGEND		REVISIONS	
PROP. WATER MAIN	—	REPLACE MAIN	AXC
EXIST. WATER MAIN	—	REPLACEMENT LOCATION	AXC
GAS MAIN	—		
SANITARY SEWER	—		
STORM SEWER	—		
UTILITY POLE LINE	—		
ELECTRIC CABLE	—		
TELEPHONE CABLE	—		
RESISTIVITY READING	—		
NEW SERVICE	—		
1" OR LARGER	—		
SERVICE RECONNECT:	—		
1" OR LARGER	—		
SERVICE RELAY:	—		
1" OR LARGER	—		
SERVICE RELOCATE:	—		
1" OR LARGER	—		
RELOCATE METER	—		

ROMANA PLAZA CONTRA FLOW BUS LANE	
DEVELOPER	C.W.B.
CONT.	BUDGET PROJ. #24, #27
SUBMITTED	
APPROVED	
MAP NO.	
SECTION NO.	
DR.	CH.
JOB NO.	87-5305
SHEET	13
OF	57

DOWNTOWN TRIPARTY





- TRENCH EXCAVATION PROTECTION**
- Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any associated calculations and specifications and anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project as described in the Notes to the Plans.
- The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Consultant shall ensure that the Contractor's safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the safety of the activities of individuals working in and around trench excavation.

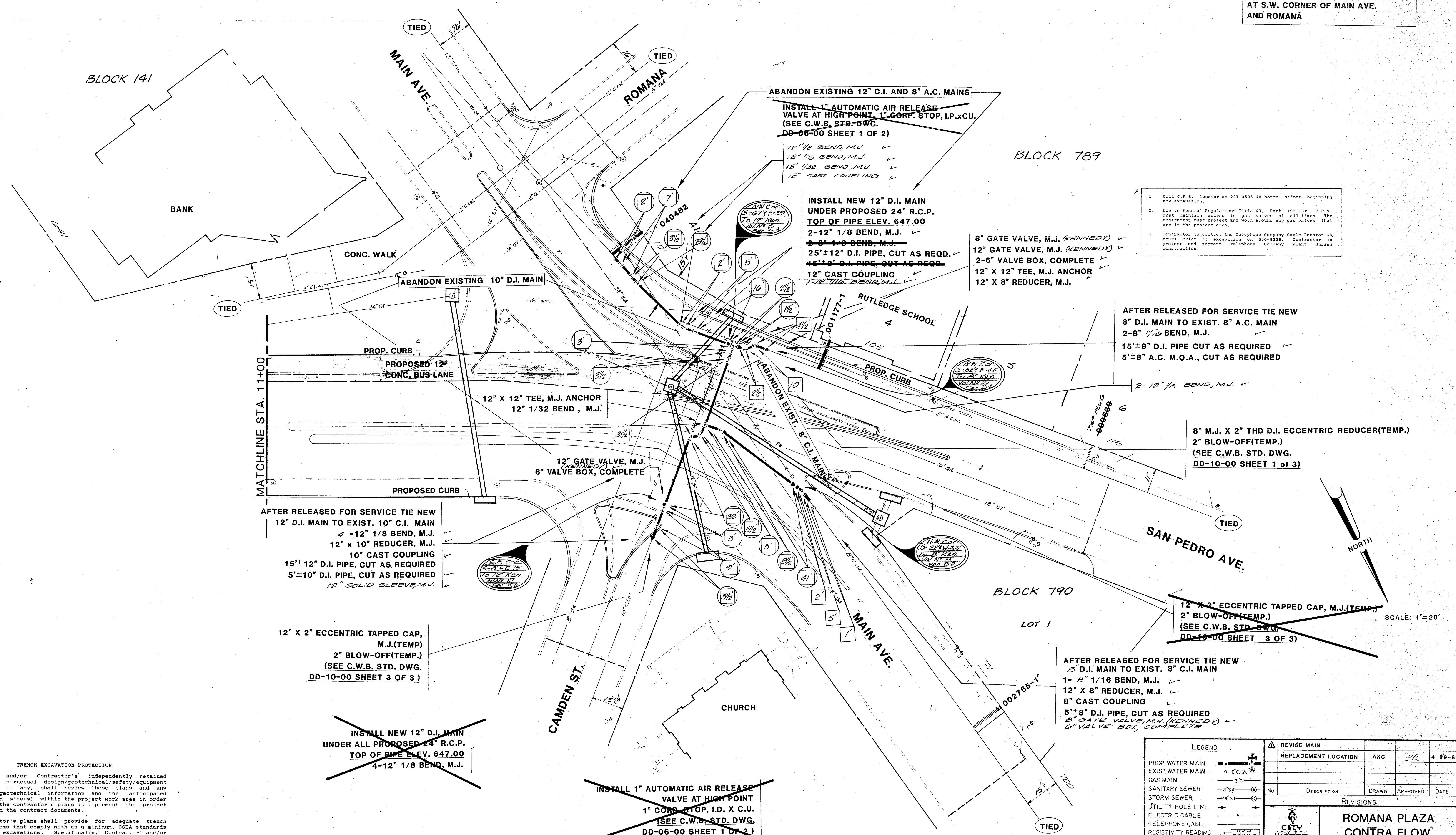
LEGEND		REVISIONS	
PROP. WATER MAIN		REPLACEMENT LOCATION	AXC
EXIST. WATER MAIN			SR
GAS MAIN			4-20-88
SANITARY SEWER			
STORM SEWER			
UTILITY POLE LINE			
ELECTRIC CABLE			
TELEPHONE CABLE			
RESISTIVITY READING			
NEW SERVICE:			
3/4"			
1" OR LARGER			
SERVICE RECONNECT:			
3/4"			
1" OR LARGER			
SERVICE RELAY:			
3/4"			
1" OR LARGER			
SERVICE RELOCATE:			
3/4"			
1" OR LARGER			
RELOCATE METER			

REVISIONS	
NO.	DESCRIPTION
	DRAWN
	APPROVED
	DATE

ROMANA PLAZA CONTRA FLOW BUS LANE	
DEVELOPER	C.W.B.
CONT.	BUDGET PROJ. #34, #37
SUBMITTED	
APPROVED	12 Jan 88
MAP NO.	
SECTION No.	
DR.	CH.
JOB NO. 87-5305	

SHEET 14
OF 57

B.M. ELEV. 655.96
N.W. FLANGE BOLT OF FIRE HYDRANT
AT S.W. CORNER OF MAIN AVE.
AND ROMANA



1. Call C.P.S. locator at 277-3606 48 hours before beginning any excavation.
2. Due to Federal Regulations Title 49, Part 192.187, C.P.S. must maintain access to gas valves at all times. The contractor must protect and work around any gas valves that are in the project area.
3. Contractor to contact the Telephone Company Cable Locator 48 hours prior to excavation on 450-8288. Contractor to protect and support Telephone Company Plant during construction.

AFTER RELEASED FOR SERVICE TIE NEW
8" D.I. MAIN TO EXIST. 8" A.C. MAIN
2-8" 1/16 BEND, M.J.
15'±8" D.I. PIPE CUT AS REQUIRED
5'±8" A.C. M.O.A., CUT AS REQUIRED

8" M.J. X 2" THD D.I. ECCENTRIC REDUCER(TEMP.)
2" BLOW-OFF(TEMP.)
(SEE C.W.B. STD. DWG.
DD-10-00 SHEET 1 OF 3)

12" X 2" ECCENTRIC TAPPED CAP, M.J.(TEMP.)
2" BLOW-OFF(TEMP.)
(SEE C.W.B. STD. DWG.
DD-10-00 SHEET 3 OF 3)

AFTER RELEASED FOR SERVICE TIE NEW
8" D.I. MAIN TO EXIST. 8" C.I. MAIN
1- 8" 1/16 BEND, M.J. ✓
12" X 8" REDUCER, M.J. ✓
8" CAST COUPLING ✓
5'±8" D.I. PIPE, CUT AS REQUIRED ✓
8" GATE VALVE, M.J. (KENNEDY) ✓
6" VALVE BOX, COMPLETE ✓

AFTER RELEASED FOR SERVICE TIE NEW
12" D.I. MAIN TO EXIST. 10" C.I. MAIN
4-12" 1/8 BEND, M.J. ✓
12" X 10" REDUCER, M.J. ✓
10" CAST COUPLING ✓
15'±12" D.I. PIPE, CUT AS REQUIRED ✓
5'±10" D.I. PIPE, CUT AS REQUIRED ✓
12" SOLID SLEEVE, M.J. ✓

12" X 2" ECCENTRIC TAPPED CAP,
M.J.(TEMP.)
2" BLOW-OFF(TEMP.)
(SEE C.W.B. STD. DWG.
DD-10-00 SHEET 3 OF 3)

INSTALL NEW 12" D.I. MAIN
UNDER ALL PROPOSED 24" R.C.P.
TOP OF PIPE ELEV. 647.00
4-12" 1/8 BEND, M.J.

INSTALL 1" AUTOMATIC AIR RELEASE
VALVE AT HIGH POINT
1" CORP. STOP, I.D. X C.U.
(SEE C.W.B. STD. DWG.
DD-06-00 SHEET 1 OF 2)

INSTALL NEW 12" D.I. MAIN
UNDER PROPOSED 24" R.C.P.
TOP OF PIPE ELEV. 647.00
2-12" 1/8 BEND, M.J. ✓
2-8" 1/8 BEND, M.J. ✓
25'±12" D.I. PIPE, CUT AS REQD. ✓
45'±9" D.I. PIPE, CUT AS REQD. ✓
12" CAST COUPLING ✓
1-12" 1/16 BEND, M.J. ✓

8" GATE VALVE, M.J. (KENNEDY) ✓
12" GATE VALVE, M.J. (KENNEDY) ✓
2-6" VALVE BOX, COMPLETE ✓
12" X 12" TEE, M.J. ANCHOR ✓
12" X 8" REDUCER, M.J. ✓

ABANDON EXISTING 12" C.I. AND 8" A.C. MAINS
INSTALL 1" AUTOMATIC AIR RELEASE
VALVE AT HIGH POINT, 1" CORP. STOP, I.P. X C.U.
(SEE C.W.B. STD. DWG.
DD-06-00 SHEET 1 OF 2)

12" 1/16 BEND, M.J. ✓
12" 1/16 BEND, M.J. ✓
12" 1/32 BEND, M.J. ✓
12" CAST COUPLING ✓

REVISIONS	
NO.	DESCRIPTION
1	REPLACE MAIN
2	REPLACE LOCATION
3	AXC
4	SR
5	4-28-88

REVISIONS			
NO.	DESCRIPTION	DRAWN	APPROVED
1	REVISIONS		

CITY OF SAN ANTONIO	
WATER BOARD	
San Antonio	
DEVELOPER	C.W.B.
CONT.	BUDGET PROJ. #24, #37
SUBMITTED	12/1/83
APPROVED	
MAP NO.	
SECTION NO.	
DR.	CH.
JOB NO.	87-5305
SHEET	15
OF	57

TRENCH EXCAVATION PROTECTION
Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) within the project work area in order to develop the contractor's plans to implement the project described in the contract documents.
The Contractor's plans shall provide for adequate trench safety systems that comply with as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall develop and implement a trench safety plan in accordance with OSHA standards governing the rescue and activities of individuals working in and around trench excavation.

