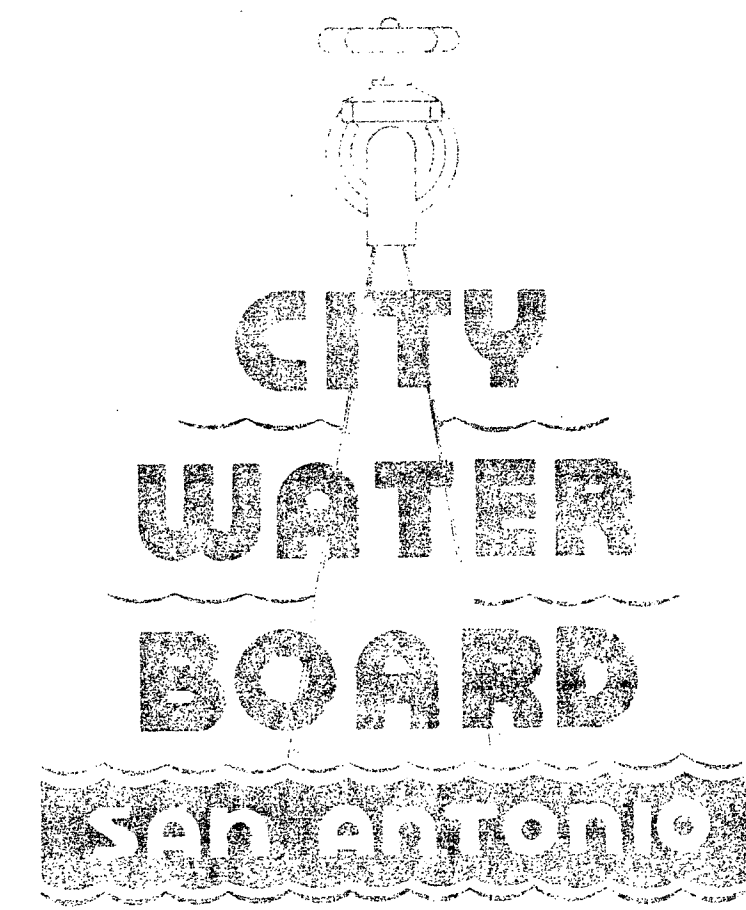
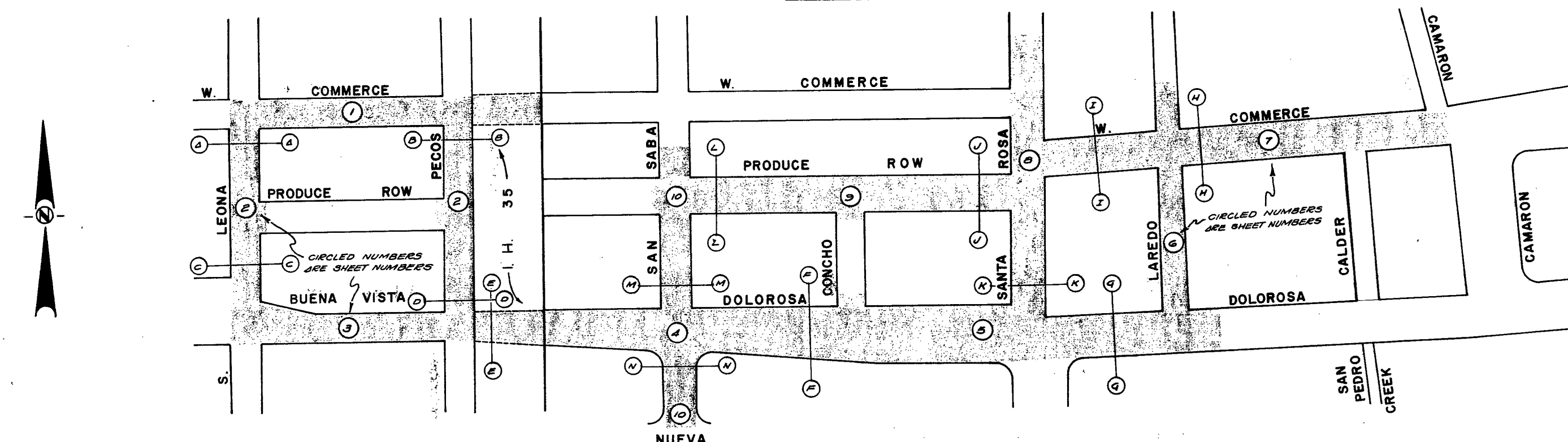


# PLANS FOR WATER MAIN CONSTRUCTION



JOB NO. 6756  
ROSA VERDE  
PHASE III



## GENERAL NOTES

- CONTRACTOR**
1. NOTIFY MR. WAYNE THEIS, CITY WATER BOARD INSPECTION DIVISION AT 225-7461, EXTENSION 322, AT LEAST 72 HOURS PRIOR TO STARTING CONSTRUCTION.
  2. VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON PLANS OR NOT.  
SANITARY SEWER ..... 225-5661 STORM SEWER ..... 225-5661  
GAS ..... 227-3211 ELECTRIC ..... 227-3211  
TELEPHONE ..... 225-3681 WESTERN UNION ..... 224-0715
  3. FURNISH AND INSTALL TEMPORARY BLOW-OFFS AND/OR JUMPER CONNECTIONS AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
  4. DISINFECT NEW MAIN WITH N.T.N. UNLESS OTHERWISE NOTED.
  5. RELAY, RECONNECT AND/OR RELOCATE EXISTING SERVICES AND RELOCATE METER BOXES AS INDICATED ON PLANS OR AS DIRECTED BY C.W.B. ENGINEER.
  6. INSTALL AND/OR RECONNECT CUSTOMERS' YARD PIPING WHERE NECESSARY ON RELOCATED SERVICES.
  7. C.W.B. AREA OF CONSTRUCTION OPERATIONS IS COINCIDENT WITH THE AREA OF CONSTRUCTION OPERATIONS SPECIFIED IN THE CONTRACT DOCUMENTS FOR PHASE 3 OF THE ROSA VERDE URBAN RENEWAL PROJECT.
  8. STREET CAR TRACKS IN W. COMMERCE ST. BTW. LEONA ST. & PECOS ST. & DOLOROSA BTW. SAN SABA & LAREDO.

- C.W.B.**
1. MR. WAYNE THEIS, INSPECTION DIVISION, SHALL NOTIFY MR. CARL BRAUNIG, CITY TRAFFIC ENGINEER, AT 324-6578, 24 HOURS IN ADVANCE OF CONSTRUCTION.
  2. BENCH MARKS OR OTHER CONTROL STAKES FOR PROPOSED STORM SEWERS, CURB INLETS, CURBS, SIDEWALKS, ETC., SHALL BE PROVIDED BY THE CITY ENGINEER AND USED AS BASIC REFERENCE BY THE CITY WATER BOARD IN SETTING CONSTRUCTION STAKES.
  3. THE CITY WATER BOARD INSPECTOR SHALL ACCURATELY DIMENSION AND MARK ON THE FIELD PLAN ALL LOCATIONS WHERE MAINS HAVE BEEN CUT AND CAPPED TO PERMIT FOLLOW-ON WORK AFTER STORM SEWER HAS BEEN INSTALLED.
  4. MACHINE CHLORINATE NEW 8" MAIN ON DOLOROSA BTW. LAREDO & LEONA; NEW 8" MAIN ON COMMERCE BTW. CAMARON & SANTA ROSA.

MAP NO. 150-578 & 160-578  
SEC. MAP NO. 25-K & 25-L  
VAL. MAP NO. 25-K & 25-L (12, 3, 4, 5, 6)  
DIST. MAP NO. 6-7  
E. VIS. WALL MAP  
EDUARDO CARTER  
11-6-78

8" C.I.	8" A.C.	6" C.I.F.H.	6" C.I.	12" A.C.
30'	75'	15'	14.0'	24.5'
295'	4.0'	32.0'	2.0'	4.0'
30'	282.0'	2.0'	2.0'	7.5'
20'	7.0'	4.0'	15.0'	6.5'
15'	31.5'	2.0'	12.0'	4.0'
7.0'	7.0'	167.5'	1.5'	6.0'
4.0'	34.0'	170.5'	10.5'	240.0'
30'	2.0'	82.0'	1.5'	2.0'
25'	12.0'	72.0'	2.0'	4.0'
20'	3.0'	17.5'	2.0'	8.0'
295'	4.0'	23.0'	2.0'	23.5'
25'	4.0'	9.0'	1.5'	4.5'
30'	7.0'	4.0'	2.0'	57.5'
10.0'	145.5'	62.5'	2.5'	27.0'
10.5'	377.0'	16.5'	1.5'	187.5'
3.0'	131.0'	3.5'	1.5'	325.0'
20'	22.0'	7.5'	1.5'	1,012.5'
30'	235.0'	7.5'	2.0'	
13.5'	39.5'	6.0'	11.5'	
2.0'	15.0'	6.55'	2.0'	
2.0'	2.0'	56.0'	1.5'	
3.0'	42.0'	3.5'	2.5'	
2.0'	326.0'	17.5'	1.5'	
5.5'	25.5'	13.0'	1.5'	
5.5'	7.0'	2.5'	3.0'	
5.0'	3.5'	2.5'	2.0'	
4.0'	3.0'	8.5'	1.5'	
3.5'	2.5'	1.5'	1.5'	
2.0'	12.0'	33.0'	1.5'	
2.0'	377.0'	3.5'	11.5'	
18.0'	2.0'	3.5'	2.0'	
35.5'	353.5'	4.5'	2.5'	
48.0'	10.5'	3.0'	6.5'	
150.0'	5.0'	2.0'	3.0'	
110.0'	268.5'	12.5'	20.0'	
7.0'	175.0'	6.5'	2.0'	
35.5'	16.5'	33.5'	2.0'	
83.0'	3.5'	2.5'	60.5'	
127.5'	46.0'	40.0'		
3.5'	133.5'	2.0'		
6.0'	12.0'	10.5'		
3.0'	23.0'			
13.0'	7.0'	4,760.0'		
1.5'	22.0'			
2.5'	7.5'			
3.5'				
2.0'				
826.5'				

INSPECTOR - G. LAMBERT  
CONTRACTOR - HEATH & STICH  
COMPLETED - G-24-77

"AS-BUILT"

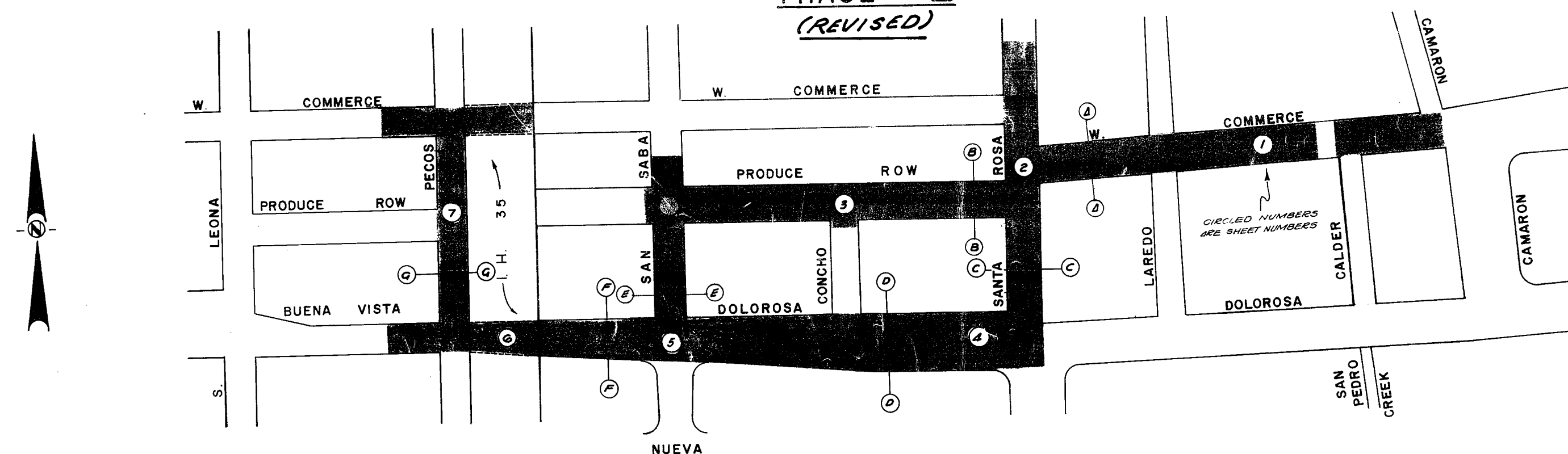




# PLANS FOR WATER MAIN CONSTRUCTION



JOB NO. 6756  
ROSA VERDE  
PHASE III  
(REVISED)



## GENERAL NOTES

- CONTRACTOR**
1. NOTIFY MR. WAYNE THEIS, CITY WATER BOARD INSPECTION DIVISION AT 225-7461, EXTENSION 322, AT LEAST 72 HOURS PRIOR TO STARTING CONSTRUCTION.
  2. VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON PLANS OR NOT.  

SANITARY SEWER	225-5461	STORM SEWER	225-5461
GAS	227-3211	ELECTRIC	227-3211
TELEPHONE	222-3681	WESTERN UNION	224-0715
  3. FURNISH AND INSTALL TEMPORARY BLOW-OFFS AND/OR JUMPER CONNECTIONS AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
  4. DISINFECT NEW MAIN WITH HTK UNLESS OTHERWISE NOTED.
  5. RELAY, RECONNECT AND/OR RELOCATE EXISTING SERVICES AND RELOCATE METER BOXES AS INDICATED ON PLANS OR AS DIRECTED BY C.W.B. ENGINEER.
  6. INSTALL AND/OR RECONNECT CUSTOMERS' YARD PIPING WHERE NECESSARY OR RELOCATED SERVICES.
  7. C.W.B. AREA OF CONSTRUCTION OPERATIONS IS COINCIDENT WITH THE AREA OF CONSTRUCTION OPERATIONS SPECIFIED IN THE CONTRACT DOCUMENTS FOR PHASE 3 OF THE ROSA VERDE URBAN RENEWAL PROJECT.
  8. STREET CAR TRACKS IN DOLOROSA BTH SAN SABA & LAREDO.
  9. EXISTING SERVICES ON LAREDO ST. NORTH OF DOLOROSA SHALL BE RELAYED OR RECONNECTED TO THE EXISTING 6" C.I. MAIN.
  10. VALVE BOXES SHALL BE ADJUSTED WHERE REQUIRED.

- C.W.B.**
1. MR. WAYNE THEIS, INSPECTION DIVISION, SHALL NOTIFY MR. CARL BRAUNIG, CITY TRAFFIC ENGINEER, AT 324-6578, 24 HOURS IN ADVANCE OF CONSTRUCTION.
  2. BENCH MARKS OR OTHER CONTROL STAKES FOR PROPOSED STORM SEWERS, CURB INLETS, CURBS, SIDEWALKS, ETC., SHALL BE PROVIDED BY THE CITY ENGINEER AND USED AS BASIC REFERENCE BY THE CITY WATER BOARD IN SETTING CONSTRUCTION STAKES.
  3. THE CITY WATER BOARD INSPECTOR SHALL ACCURATELY DIMENSION AND MARK ON THE FIELD PLAN ALL LOCATIONS WHERE MAINS HAVE BEEN CUT AND CHIPPED TO PERMIT FOLLOW-ON WORK AFTER STORM SEWER HAS BEEN INSTALLED.
  4. THE CITY WATER BOARD INSPECTOR SHALL COORDINATE WITH WATER QUALITY DEPARTMENT THE DISINFECTION OF NEW MAINS.

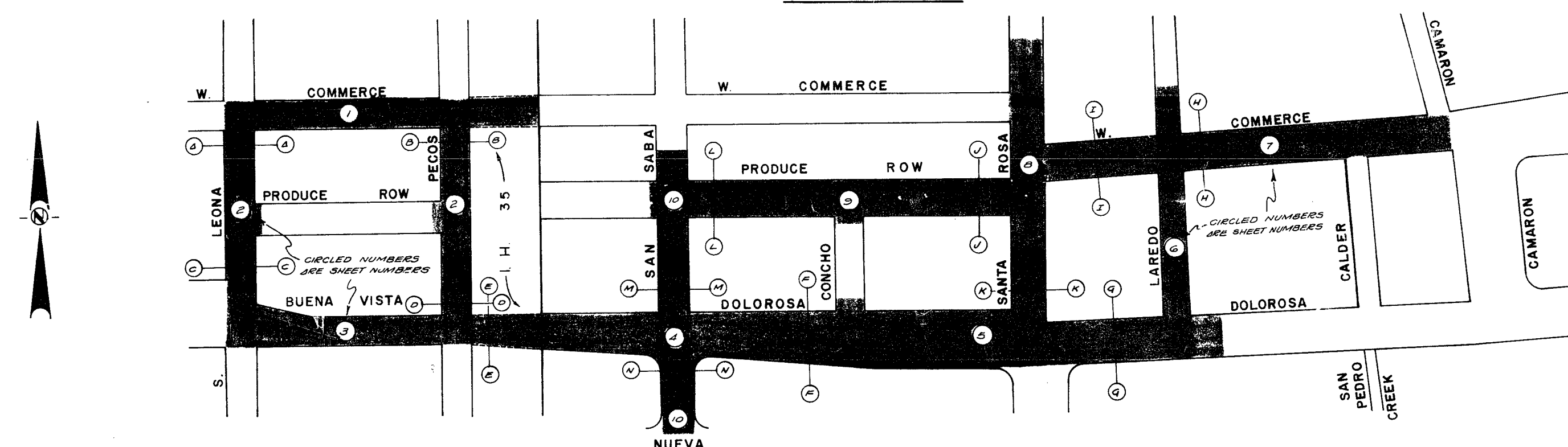


REMOVED (U)

WITHDRAWN 62



ROSA	VERDE
PHASE	III



1. CONTRACTOR

1. NOTIFY MR WAYNE THEIS, CITY WATER BOARD INSPECTION DIVISION AT 225-7461, EXTENSION 322, AT LEAST 72 HOURS PRIOR TO STARTING CONSTRUCTION.

2. VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON PLANS OR NOT.

    SANITARY SEWER..... 225-5661      STORM SEWER..... 225-5661

    GAS..... 227-3211      ELECTRIC..... 227-3211

    TELEPHONE..... 222-3681      WESTERN UNION..... 224-0718

3. FURNISH AND INSTALL TEMPORARY BLOW-OFFS AND/OR JUMPER CONNECTIONS AS REQUIRED OR AS DIRECTED BY THE ENGINEER.

4. DISINPECT NEW MAIN WITH K.T.M. UNLESS OTHERWISE NOTED.

5. PELL, RECONNECT AND/OR RELOCATE EXISTING SERVICES AND RELOCATE METER BOXES AS INDICATED ON PLANS OR AS DIRECTED BY C.W.B.

    ENGINEER.

6. INSTALL AND/OR RECONNECT CUSTOMERS' YARD PIPING WHERE NECESSARY OR RELOCATED SERVICES.

7. C.W.B. AREA OF CONSTRUCTION OPERATIONS IS COINCIDENT WITH THE AREA OF CONSTRUCTION OPERATIONS SPECIFIED IN THE CONTRACT DOCUMENTS FOR PHASE 3 OF THE ROSA VERDE URBAN RENEWAL PROJECT.

8. STREET CAR TRACKS IN W. COMMERCE ST. BTW LEONA ST. & PECOS ST. & DOLORESA BTW SAN SABA & LAREDO.

△ 9. CHANGE ORDER NO. 1

(1) DELETE ALL NEW MAIN AND SERVICE WORK WHERE INDICATED ON THE PLANS.

(2) EXISTING SERVICES ON LAREDO ST. NORTH OF DOLORESA SHALL BE RE-LAID OR RECONNECTED TO THE EXISTING G.C.I. MAIN.

(3) THE EXISTING G.C.I. MAIN ON LAREDO AT W. COMMERCE SHALL BE ADJUSTED UNDER SAGS TO BE 6" DEEPER.

(4) VALVE BOXES SHALL BE ADJUSTED WHERE REQUIRED.

1. C.W.O.
2. MR. WAYNE THEIS, INSPECTION DIVISION, SHALL NOTIFY MR. CARL BRAUNIG, CITY TRAFFIC ENGINEER AT 324-6578, 24 HOURS IN ADVANCE OF CONSTRUCTION.
3. BENCH MARKS OR OTHER CONTROL STAKES SHALL BE PROVIDED FOR EACH SEWER. ELEVATIONS SHALL BE PROVIDED BY THE CITY ENGINEER AND USED AS BASIC REFERENCE BY THE CITY WATER BOARD IN SETTING CONSTRUCTION STAKES.
4. THE CITY WATER BOARD INSPECTOR SHALL ACCURATELY DIMENSION AND MARK ON THE FIELD PLAN ALL LOCATIONS WHERE MAINS HAVE BEEN CUT AND OPEN TO EXAMINE FOR LEAKS OR WORK AFTER STOPPED. SEWER HAS BEEN INSTALLED.
5. MACHINE CHLORINATE NEW 8" MAIN ON DOLOROSA BTW. LARDO & LEONA ; NEW 8" MAIN ON COMMERCE BTW. CAMARON & SANTA ROSA.

Reviewed (u)

~~Wintershow 10~~



AFTER RELEASED FOR SERVICE TIE NEW 8" A.C. MAIN TO EXISTING 8" C.I. MAIN

8"x8" TAPPING SLEEVE, M.U. (MUE) ✓  
TO FIT C.I. PIPE ✓  
8" TAPPING VALVE, M.U. (MUE) ✓  
6" VALVE BOX, COMPLETE ✓  
1-8" 1/8 BEND, M.U. ✓  
1-8" 1/8 BEND, R.T.U. ✓

AFTER NEW 8" A.C. MAIN HAS BEEN RELEASED FOR SERVICE CUT AND PLUG EXISTING CROSS

6" SOLID CAP, M.U. ✓  
6" RETAINER GLAND ✓

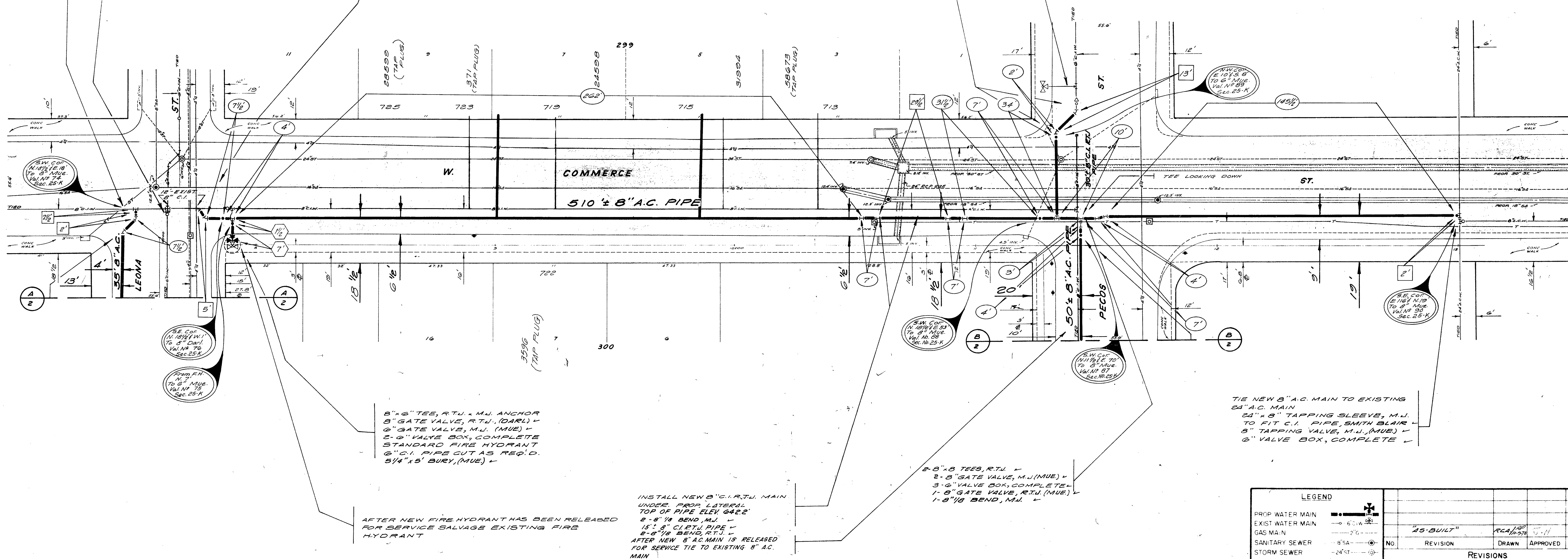
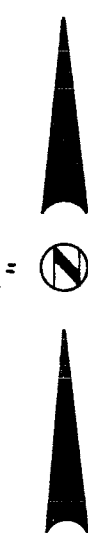
AFTER TRANSFER OF SERVICES TIE NEW 8" A.C. MAIN TO EXISTING 8" C.I. MAIN

2-8" 1/8 BEND, M.U. ✓  
8" SOLID CAP, M.U. ✓

AFTER RELEASED FOR SERVICE TIE NEW 8" A.C. MAIN TO EXISTING 6" C.I. MAIN

INSTALL NEW 8" C.I. R.T.U. MAIN OVER PROP. 30" STORM SEWER TOP OF PIPE ELEV. 648.8' ✓  
1-8" 1/8 BEND, M.U. ✓  
1-8" 1/8 BEND, R.T.U. ✓  
1-8" CAP, M.U. ✓

SCALE: 1"=20'

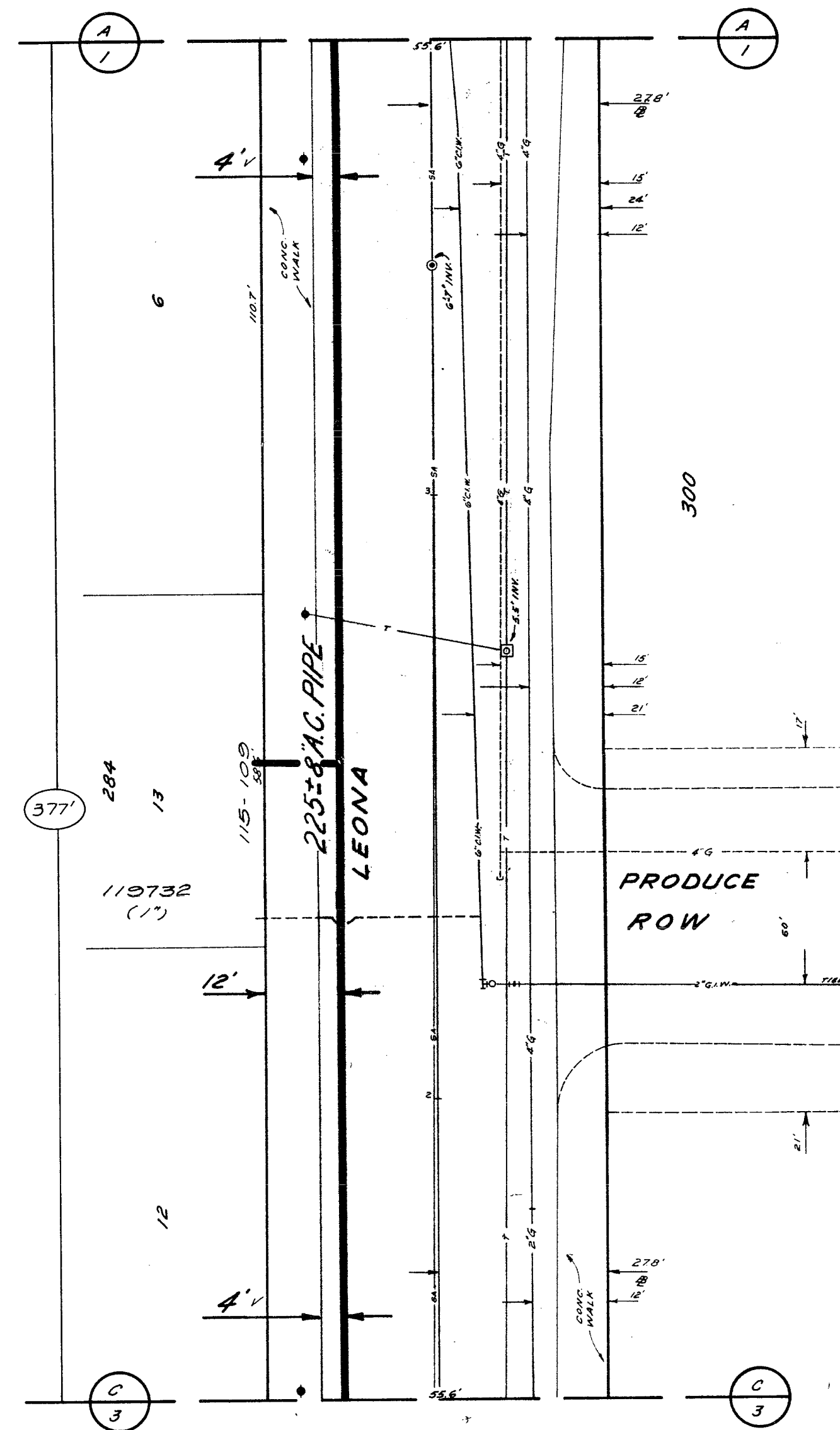


LEGEND				
PROP. WATER MAIN	---	EXIST. WATER MAIN	---	
GAS MAIN	---	SANITARY SEWER	---	
STORM SEWER	---	UTILITY POLE LINE	---	
ELECTRIC CABLE	---	TELEPHONE CABLE	---	
RESISTIVITY READING	---	SERVICE RECONNECT	---	
3/4"	---	1" OR LARGER	---	
SERVICE RELAY	---	3/4"	---	
1" OR LARGER	---	SERVICE RELOCATE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

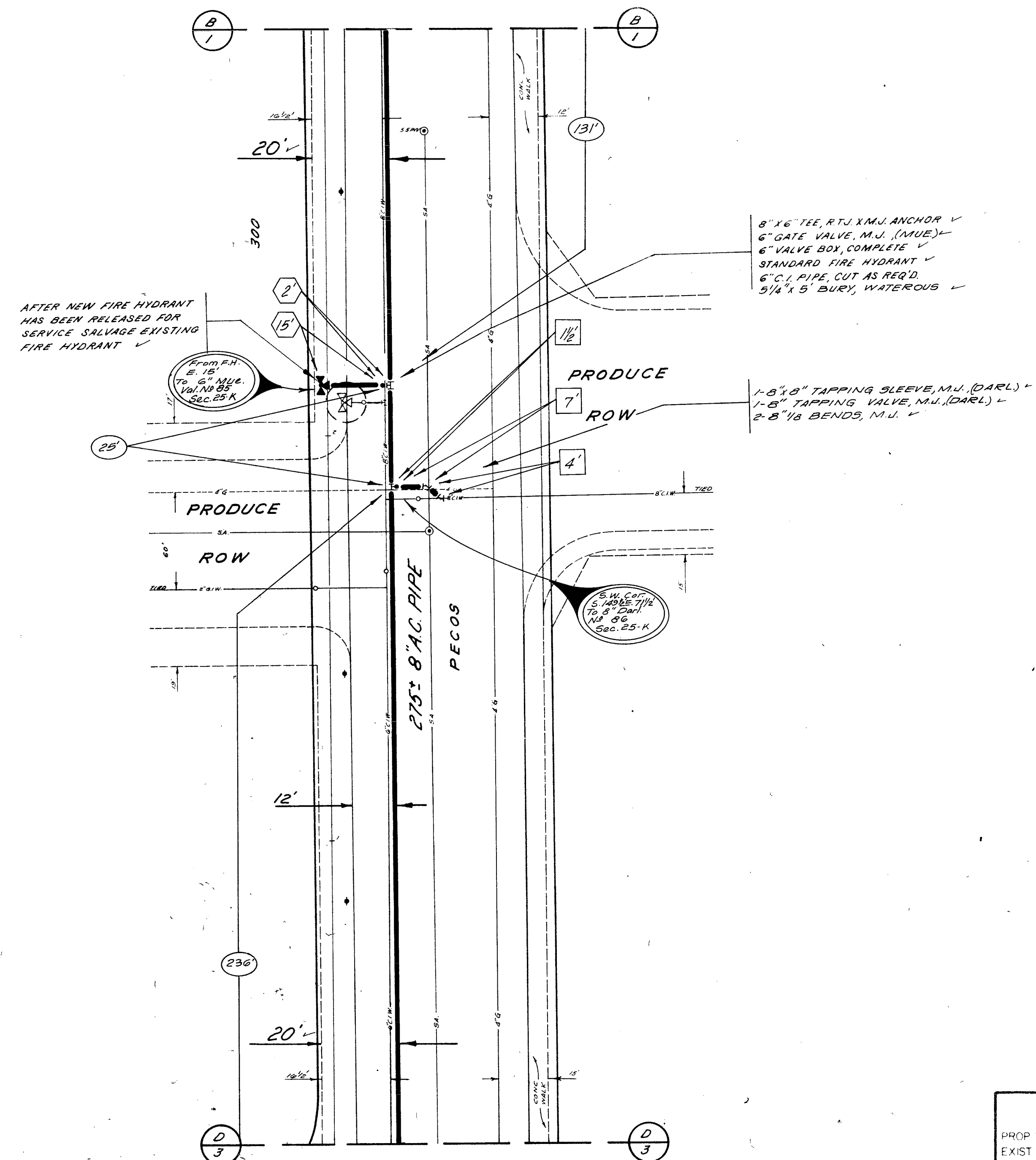
NO.	REVISION	DRAWN	APPROVED	DATE
1	25-BUILT	RCA		12-16-78
REVISIONS				
Rosa Verde				
PHASE III				
CITY OF SAN ANTONIO				
DEVELOPER C.W.B.				
CONT. BUDGET PROJ. 73,34 #37				
SUBMITTED				
APPROVED				
MAP NO. 158-578				SHEET
SECTION NO. 25 F.K.				1
DR. R.E. CH. 10				OF 10
JOB NO. 6756				
CONTRACT				







SCALE:  1"=20'



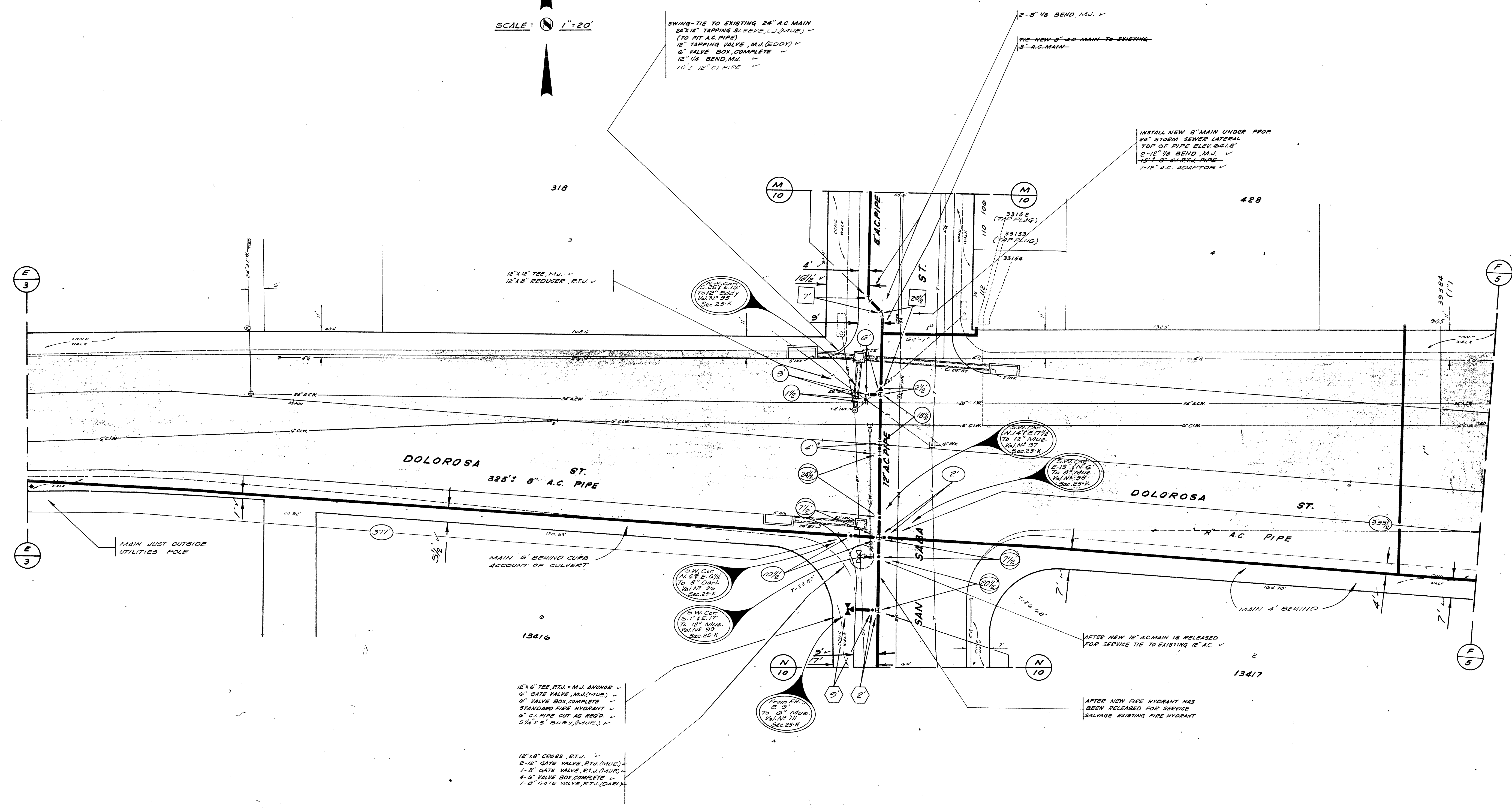
LEGEND			
PROP WATER MAIN	--- 6" CW ---		
ELECTRIC WATER MAIN	--- 2" G ---		
GAS MAIN	--- 8" SA ---		
SANITARY SEWER	--- 24" ST ---		
STORM SEWER	--- 36" ST ---		
UTILITY POLE LINE	--- 4" ---		
ELECTRIC CABLE	--- 4" ---		
TELEPHONE CABLE	--- 4" ---		
RESISTIVITY READING	--- 4" ---		
SERVICE RECONNECT	--- 4" ---		
1" OR LARGER	--- 4" ---		
SERVICE RELAY --	--- 4" ---		
3/4"	--- 4" ---		
1" OR LARGER	--- 4" ---		
SERVICE RELAY:	--- 4" ---		
3/4"	--- 4" ---		
1" OR LARGER	--- 4" ---		
RELAY SERVICE AND	--- 4" ---		
RELOCATE METER	--- 4" ---		







SCALE: 1"=20'



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

REVISIONS				
NO	REVISION	DRAWN	APPROVED	DATE

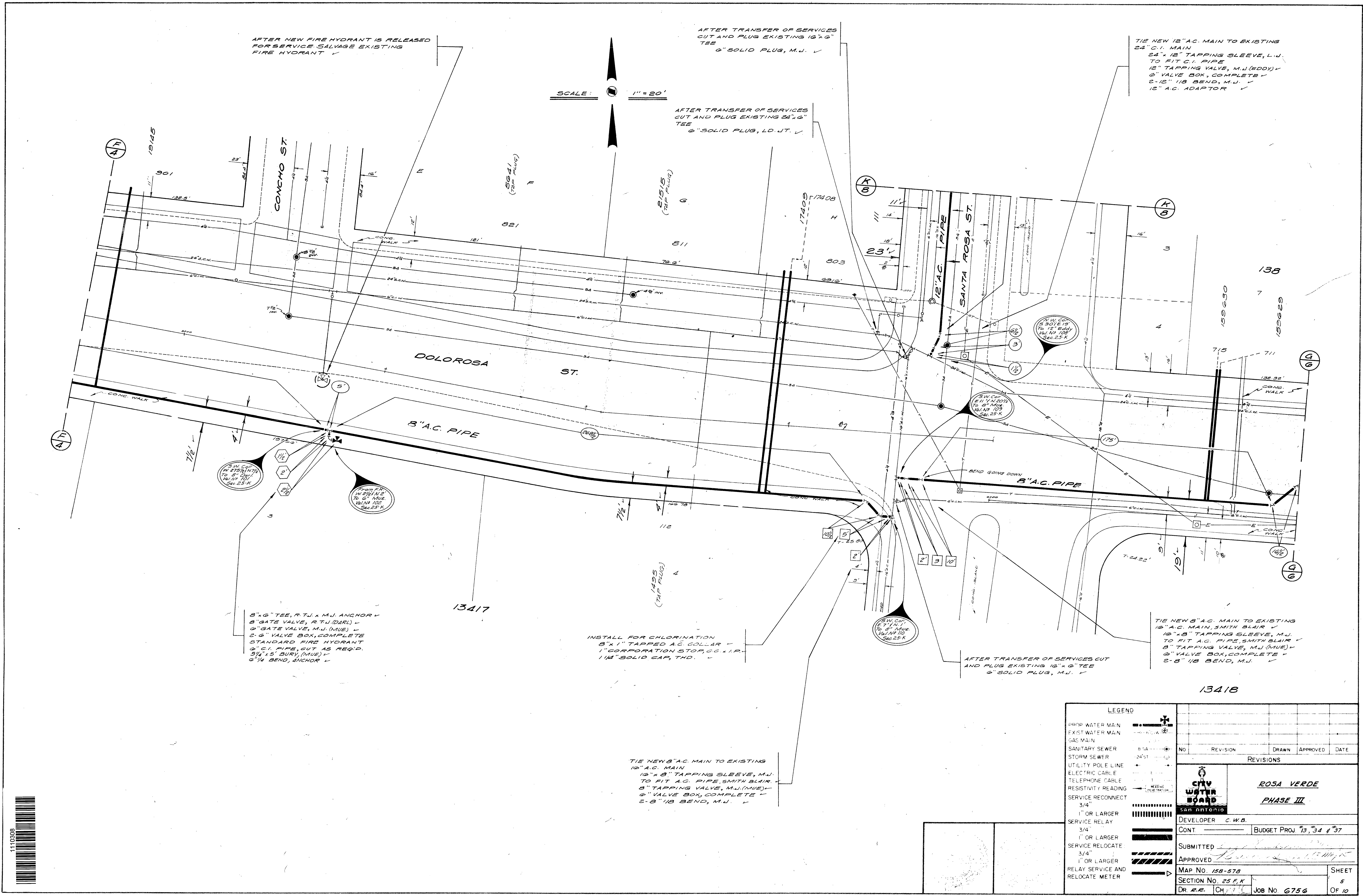
**ROSA VERDE**  
**PHASE III**

DEVELOPER	C. W. B.
CONT	BUDGET PROJ. #13,34 & 37
SUBMITTED	
APPROVED	
MAP NO.	138-578
SECTION NO.	25 F, K
DR. R. R.	CH
JOB NO.	6756
SHEET	4
OF 10	

CONTRACT







BRUNING 20240

**LEGEND**

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

NO.	REVISION	DRAWN	APPROVED	DATE
REVISIONS				
DEVELOPER C.W.B.				
CONT. BUDGET PROJ 13, 34 & 37				
SUBMITTED				
APPROVED				
MAP NO. 158-578				
SECTION NO. 25 F, K				
DR. R.E. CH...				
JOB NO. 6756				
SHEET 5 OF 10				

**CONTRACT**



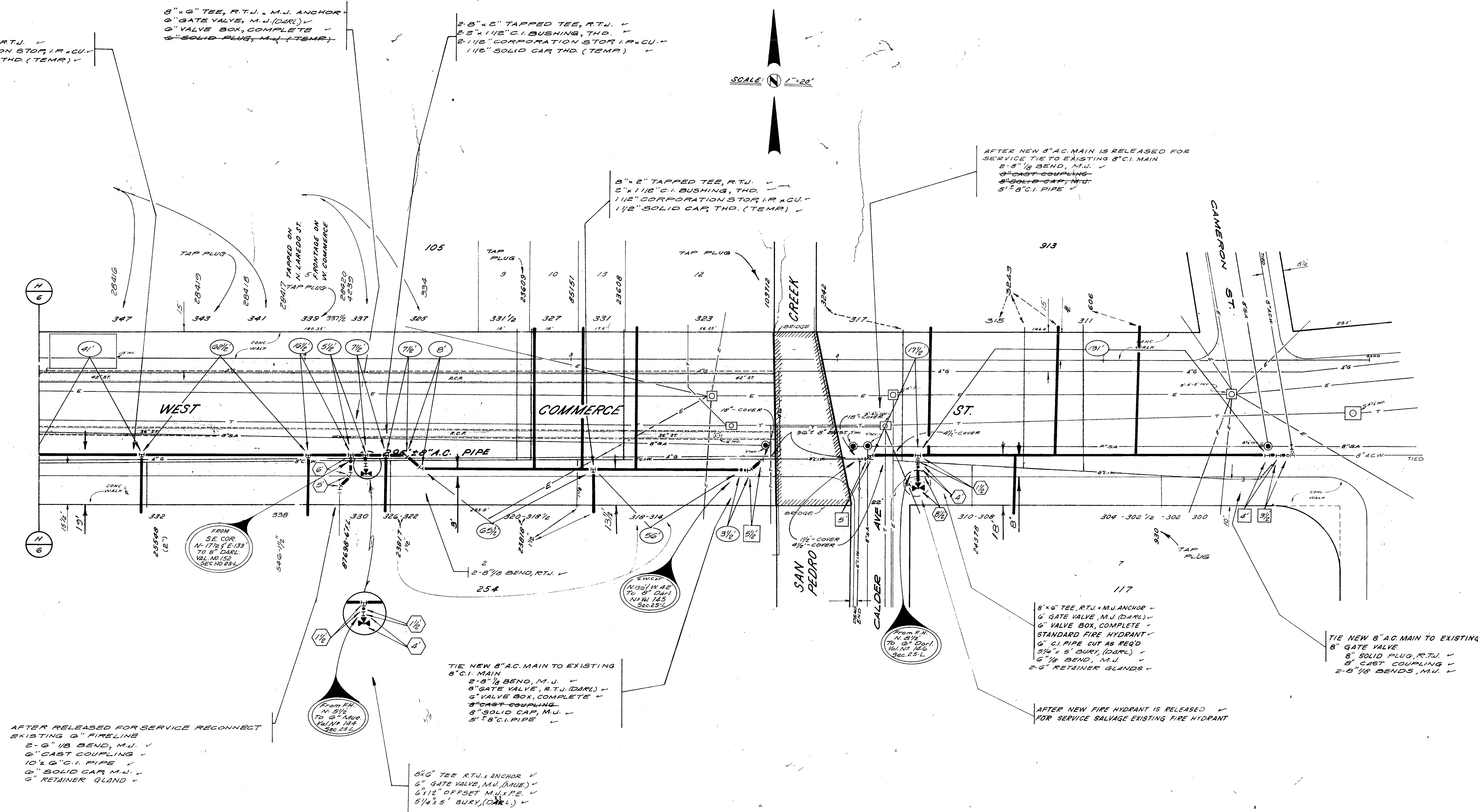


## CONTRACT





BRUNING 20240



SCALE: 1"=20'

AFTER RELEASED FOR SERVICE RECONNECT  
EXISTING 8" FIRELINE  
2" x 1/2" BEND, M.J. ✓  
6" CAST COUPLING ✓  
10" x 6" G.I. PIPE ✓  
6" SOLID CAP, M.J. ✓  
6" RETAINER GLAND ✓

TIE NEW 8" A.C. MAIN TO EXISTING  
8" G.I. MAIN  
2" x 1/2" BEND, M.J. ✓  
6" GATE VALVE, RT.U. (DARK) ✓  
6" VALVE BOX, COMPLETE ✓  
6" CAST COUPLING ✓  
6" SOLID CAP, M.J. ✓  
5" x 8" G.I. PIPE ✓

8" x 6" TEE, RT.U., M.J. ANCHOR ✓  
6" GATE VALVE, M.J. (MUE) ✓  
6" x 1/2" OFFSET M.U. PIPE ✓  
5/4" x 5" BURY, (DARK) ✓

AFTER NEW 8" A.C. MAIN IS RELEASED FOR  
SERVICE TIE TO EXISTING 8" G.I. MAIN  
2" x 1/2" BEND, M.J. ✓  
6" CAST COUPLING ✓  
6" SOLID CAP, M.J. ✓  
5" x 8" G.I. PIPE ✓

8" x 6" TEE, RT.U., M.J. ANCHOR ✓  
6" GATE VALVE, M.J. (DARK) ✓  
6" VALVE BOX, COMPLETE ✓  
STANDARD FIRE HYDRANT ✓  
6" G.I. PIPE CUT AS REQ'D ✓  
5/4" x 5" BURY, (DARK) ✓  
6" x 1/2" BEND, M.J. ✓  
2" x 6" RETAINER GLANDS ✓

TIE NEW 8" A.C. MAIN TO EXISTING  
8" GATE VALVE ✓  
8" SOLID PLUG, RT.U. ✓  
6" CAST COUPLING ✓  
2" x 1/2" BENDS, M.J. ✓

AFTER NEW FIRE HYDRANT IS RELEASED ✓  
FOR SERVICE SALVAGE EXISTING FIRE HYDRANT

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

REVISIONS			
NO	REVISION	DRAWN	APPROVED

**ROSA VERDE**  
**PHASE III**

DEVELOPER	C.W.B.
CONT	BUDGET PROJ. 13, 14, 15
SUBMITTED	10/1/13
APPROVED	10/1/13
MAP NO. 158-578	SHEET 7
SECTION No. 25 F. K.	OF 10
DR. P.E. CH. 1	JOB No. 6756

CONTRACT



SCALE: 1"=20'

INSTALL NEW 8" MAIN OVER  
PROP 18" STORM SEWER  
TOP OF PIPE ELEV. 640.0'  
2-8" BEND, M.U.  
15'-8" C.I. PIPE, RTU

12" 8" TEE, RTU, ANCHOR  
12" GATE VALVE, RTU, (MUE)  
8" GATE VALVE, M.U. (MUE)  
2" G" VALVE BOX, COMPLETE

TIE NEW 12" A.C. MAIN TO  
EXISTING 12" A.C. MAIN

2-8" 1/2 BEND, RTU

7165  
TAP PLUG

1435  
TAP PLUG

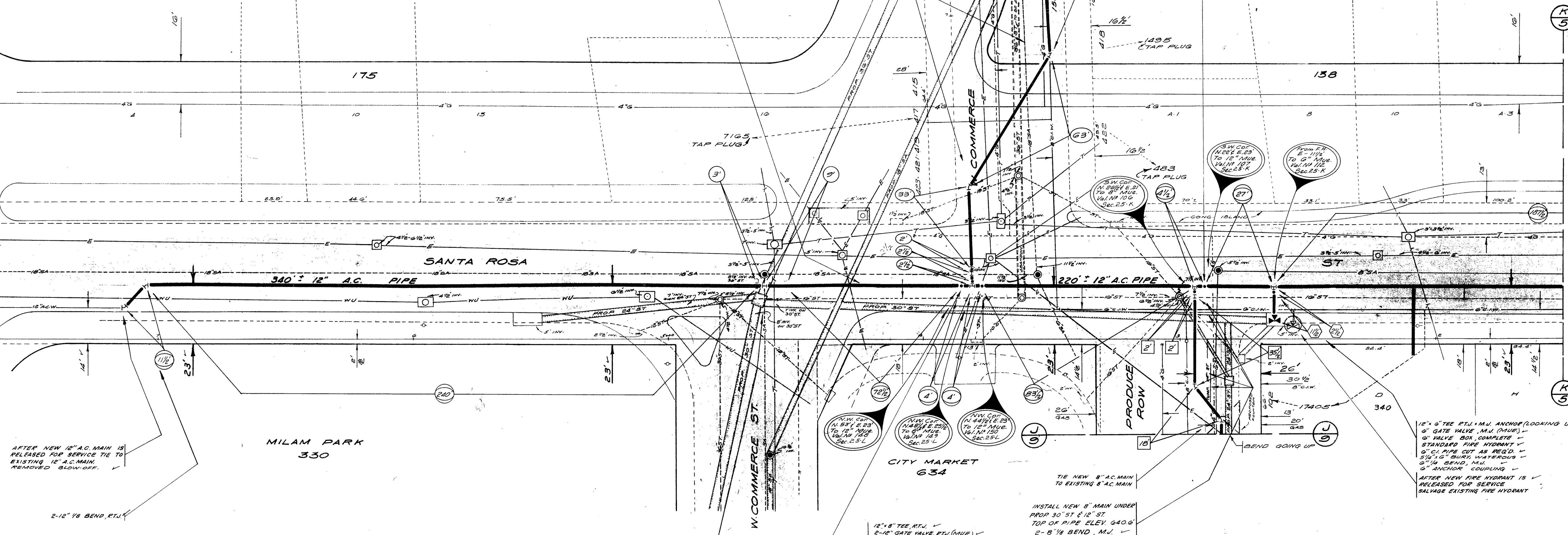
1483  
TAP PLUG

12" 6" TEE, RTU, M.U. ANCHOR (LOOKING UP)  
6" GATE VALVE, M.U. (MUE)  
6" VALVE BOX, COMPLETE  
STANDARD FIRE HYDRANT  
6" C.I. PIPE CUT AS REQ'D.  
3/4" 1/2" BURY, WATERCUT  
6" 1/2 BEND, M.U.  
6" ANCHOR COUPLING  
AFTER NEW FIRE HYDRANT IS  
RELEASED FOR SERVICE  
SALVAGE EXISTING FIRE HYDRANT

INSTALL NEW 8" MAIN UNDER  
PROP 30" ST & 12" ST  
TOP OF PIPE ELEV. 640.0'  
2-8" 1/2 BEND, M.U.  
25' 8" C.I. PIPE, RTU  
1-8" 1/2 OFFSET, M.U. XFE

12" 8" TEE, RTU  
2-12" GATE VALVE, RTU, (MUE)  
8" GATE VALVE, RTU, (MUE)  
3" G" VALVE BOX, COMPLETE

INSTALL NEW 12" MAIN OVER PROP 30" ST  
AND PROP 18" SANITARY SEWER  
TOP OF PIPE ELEV. 643.5'  
4-12" 1/2 BEND, M.U.  
2-12" A.C. ADAPTOR  
40' 12" C.I. PIPE, RTU  
12" 1/2 OFFSET, M.U. XFE  
12" CAST COUPLING



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

REVISIONS				
NO	REVISION	DRAWN	APPROVED	DATE
REVISIONS				

**CITY OF SAN ANTONIO**  
**WATER BOARD**

**ROSA VERDE**  
**PHASE III**

DEVELOPER: C.W.B.  
CONT: \_\_\_\_\_ BUDGET PROJ: 13, 34 & 37

SUBMITTED: \_\_\_\_\_  
APPROVED: \_\_\_\_\_  
MAP NO. 158-578  
SECTION NO. 25 F.K.  
DR. B.E. CH. \_\_\_\_\_ JOB NO. 6756

SHEET 8 OF 10

CONTRACT





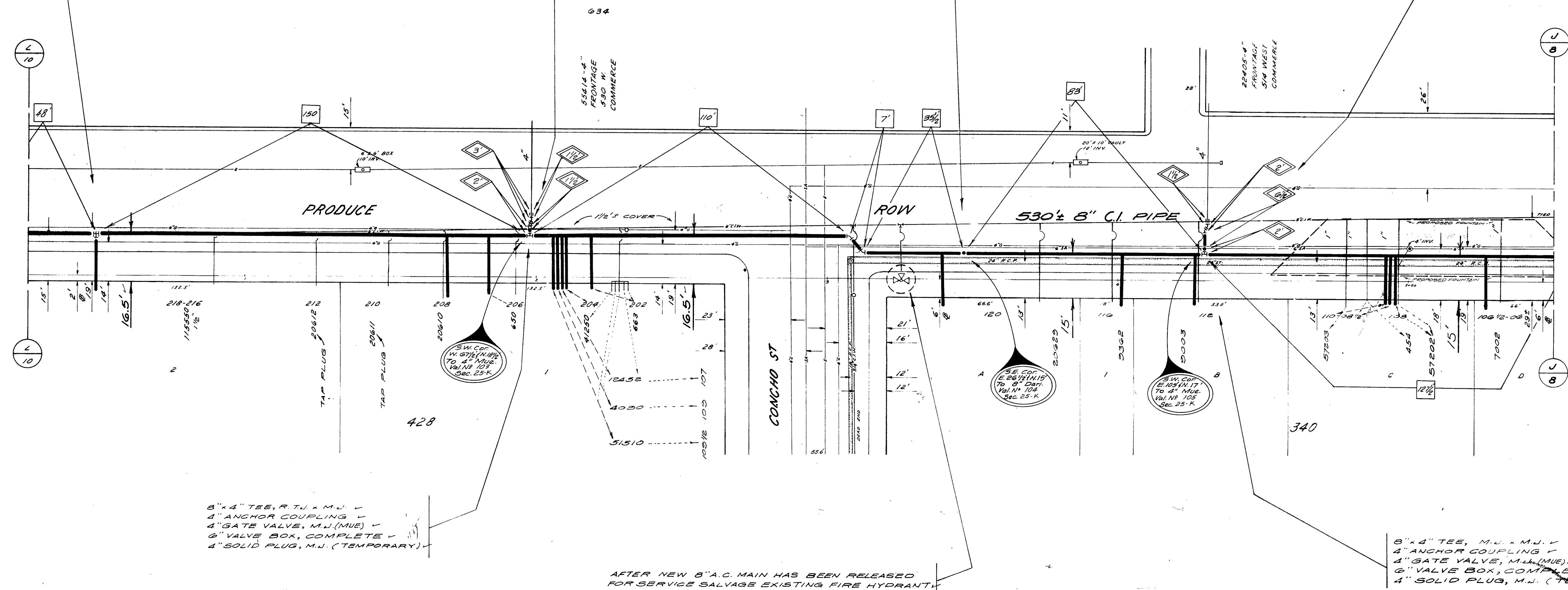
8" x 2" TAPPED TEE, M.U.  
 2" x 1 1/2" C.I. BUSHING, THD  
 1 1/2" CORPORATION STOP, I.P. x C.U.  
 1 1/2" SOLID GAP, THD (TEMP)

AFTER RELEASED FOR SERVICE RECONNECT  
 EXISTING 4" SERVICE  
 2-4" 1/8 BEND, M.U.  
 4" CAST COUPLING (TO FIT 4" STEEL)  
 10' x 4" C.I. PIPE  
 4" SOLID GAP, M.U.

SCALE: 1" = 20'

5" GATE VALVE, RTJ (DRL)  
 6" VALVE BOX COMPLETE

AFTER RELEASED FOR SERVICE RECONNECT  
 EXISTING 4" SERVICE  
 2-4" 1/8 BEND, M.U.  
 4" CAST COUPLING  
 10' x 4" C.I. PIPE  
 4" SOLID GAP, M.U.



8" x 4" TEE, M.U. x M.U.  
 4" ANCHOR COUPLING  
 4" GATE VALVE, M.U. (MUE)  
 6" VALVE BOX, COMPLETE  
 4" SOLID PLUG, M.U. (TEMPORARY)

AFTER NEW 8" A.C. MAIN HAS BEEN RELEASED  
 FOR SERVICE SALVAGE EXISTING FIRE HYDRANT

LEGEND		REVISIONS	
PROP WATER MAIN	--- 6" W ---	NO	REVISION
EXIST WATER MAIN	--- 6" W ---	DRAWN	APPROVED
GAS MAIN	--- 2" G ---	DATE	
SANITARY SEWER	--- 8" SA ---		
STORM SEWER	--- 24" ST ---		
UTILITY POLE LINE	--- U ---		
ELECTRIC CABLE	--- E ---		
TELEPHONE CABLE	--- T ---		
RESISTIVITY READING	--- R ---		
SERVICE RECONNECT	--- S ---		
3/4"	--- 3/4" ---		
1" OR LARGER	--- 1" ---		
SERVICE RELAY	--- R ---		
3/4"	--- 3/4" ---		
1" OR LARGER	--- 1" ---		
SERVICE RELOCATE	--- R ---		
3/4"	--- 3/4" ---		
1" OR LARGER	--- 1" ---		
RELAY SERVICE AND	--- R ---		
RELOCATE METER	--- M ---		

**CITY OF SAN ANTONIO**  
**WATER BOARD**

DEVELOPER C.W.B.  
 CONT. BUDGET PROJ 73, 34 #37

SUBMITTED [Signature]  
 APPROVED [Signature]

MAP No. 158-578  
 SECTION No. 25 F.K.  
 DR. E.E. CH. [Signature]

**ROSA VERDE**  
**PHASE III**

SHEET 9 OF 10





AFTER RELEASED FOR SERVICE TIE NEW  
8" A.C. MAIN TO EXISTING 8" A.C. MAIN  
2-8" 1/2 BEND, M.U. V.  
8" SOLID CAP, M.U.

AFTER NEW FIRE HYDRANT IS RELEASED  
FOR SERVICE SALVAGE EXISTING FIRE  
HYDRANT

8" x 8" TEE, M.U. & RTU  
1-8" GATE VALVE, R.T.U. (DARL)  
2-8" VALVE BOX, COMPLETE  
1-8" GATE VALVE, RTU (MUE)

8" x 8" TEE, M.U. & RTU  
1-8" GATE VALVE, R.T.U. (DARL)  
2-8" VALVE BOX, COMPLETE  
1-8" GATE VALVE, RTU (MUE)

8" x 8" TEE, M.U. & RTU  
1-8" GATE VALVE, R.T.U. (DARL)  
2-8" VALVE BOX, COMPLETE  
1-8" GATE VALVE, RTU (MUE)

8" x 8" TEE, RTU & M.U. ANCHOR  
8" GATE VALVE, M.U. (MUE)  
6" VALVE BOX, COMPLETE  
STANDARD FIRE HYDRANT  
6" C.I. PIPE CUT AS REQ'D.  
5/4" x 5" BURY, WATEROUS  
6" 1/2" OFFSET, M.U. & R.T.U.

TIE NEW 12" A.C. MAIN TO  
EXISTING 12" C.I. MAIN  
12" x 12" TAPPING SLEEVE, M.U.  
TO FIT C.I. PIPE, EDDY  
12" TAPPING VALVE, M.U. EDDY  
6" VALVE BOX, COMPLETE  
12" A.C. ADAPTOR


SCALE = 1" = 20'

TYPICAL STREETCAR TRACK  
CROSS SECTION  
SCALE = 1" = 6'-0"

SECTION A-A  
SCALE = 1" = 8'-0"

LEGEND

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

CHANGE ORDER NO. 1		PP		
NO.	REVISION	DRAWN	APPROVED	DATE
REVISIONS				
 SAN ANTONIO		<u>ROSA VERDE</u>  <u>PHASE III</u>		
DEVELOPER C.W.B.				
CONT		BUDGET PROJ 18, 34 & 37		
SUBMITTED		<i>[Signature]</i>		
APPROVED		<i>[Signature]</i>		
MAP No. 158-578		SHEET		
SECTION No. 25 F, K		10		
Dr. E.E. Ch. 110		Job No. 6756		OF 10
CONTRACT				

