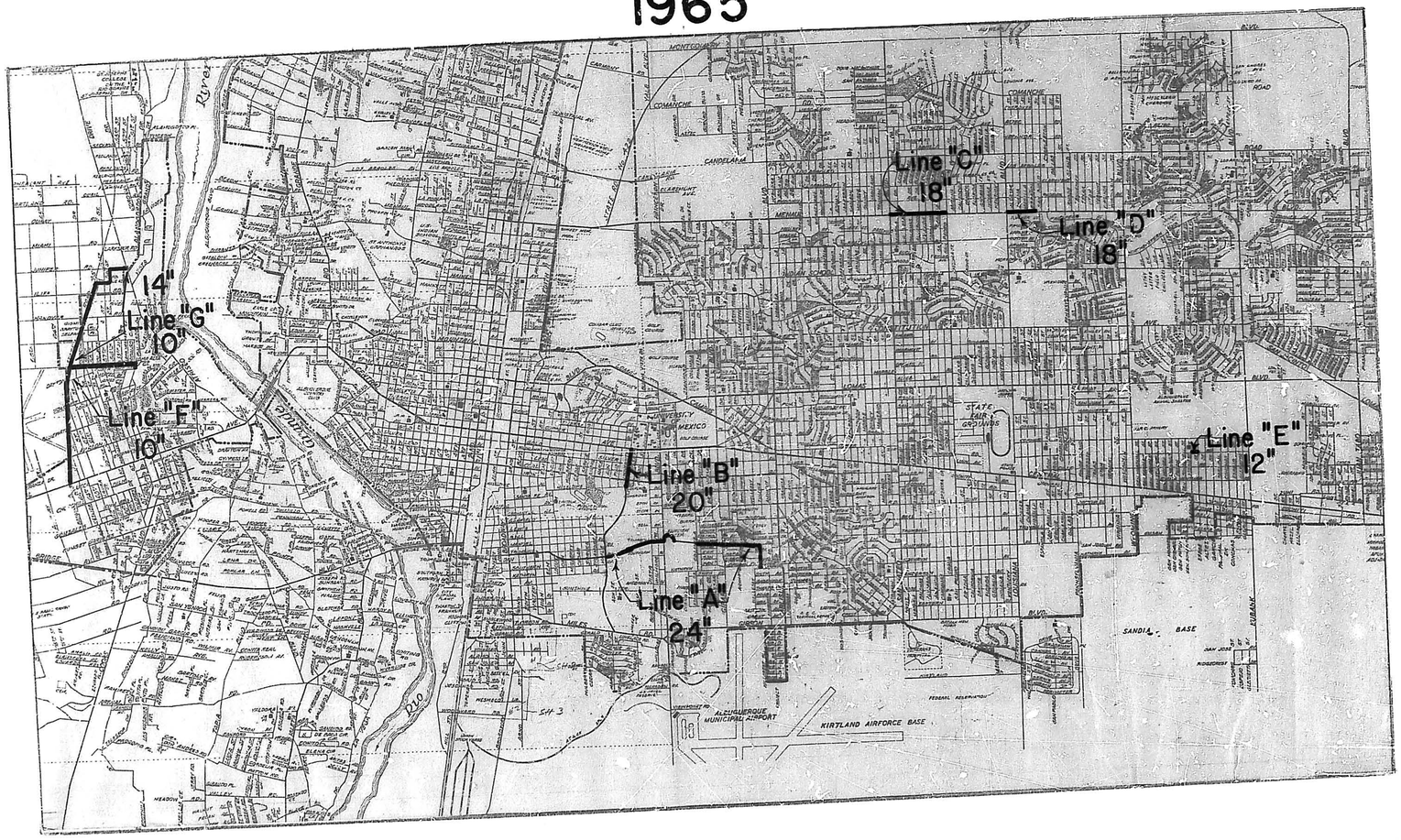
CITY OF ALBUQUERQUE

WATER DIVISION

WATER TRANSMISSION LINES

1965



SCALE:
1" = 2,000'
(Layout Plan)

PLANS

SHEET 00 of 17.

PLAN

PROFILE

¢ CURVE DATA
Δ= 26° 25' 30" LT.
D= 05° 47' 15"
T= 232.56'
L= 456.59
R= 990.0

W.L. CURVE DATA
Δ= 26° 25' 30" LT.
D= 05° 51'
L= 478.80'
R= 1038.63'

STA. 4+89.57 W.L.
STA. 25+53.39 P.O.T. 132

STA. 0+00-W.L.
BEGIN CONSTRUCTION
REMOVE & REPLACE
10" C.I. TIE TO CITY.
1-20"x12" CROSS-ALL FL. (BLT-IN PIPE)
2-20" CONN. PCS. (FL.-M.J.)
1-20" C.I. SLEEVE
1-20" VALVE, VERT. & 3" SW. PASS-SOUTH
& BOXES, TYPE "B" - CLASS 150 (FL.-PL.)
1-24"-TO-20" RED. (FL.) (BLT-IN PIPE)
RE-USE EXIST. 6" (FL.-M.J.) VALVE & BOX-WEST.
1-22½° C.I. ELL
1-6" C.I. SLEEVE
1-11¼° ELL
1-20" TO 6" (FL.) RED. (BLT-IN PIPE)

STA. 0+92
1-24"x6" TEE - (BUILT-IN PIPE)
1-6" PLUG (TEE)
1-6" CAP (END 6" C.I.)

STA. 20+61
1-24"x6" CROSS (6" FL.) (BLT-IN)
2-6" VALVES (FL-M.J.) & BOX "B"
2-6" 45° BENDS - C.I.
2-6" C.I. 90° BENDS
11' OF 6" C.I. PIPE
1-6" C.I. SLEEVE

STA. 23+64
1-24"x6" CROSS-6" FL.
(BUILT-IN PIPE)
2-6" VALVE (FL-M.J.) & BOX "B"
4-6" 45° BENDS - C.I.
1-6" C.I. SLEEVES
10' OF 6" C.I. PIPE

STA. 21+12.30
Δ= 28° 34' RT.
BLOCKING -
SEE DETAIL SH. #13

STA. 26+19
1-24"x6" CROSS - 6" FL.
CONNECT TO EXIST. 6" S.T.
2-6" VALVES (FL-M.J.) & BOXES
2-6" C.I. PIPE
4-6" - 90° ST. BENDS
2-6" ST. TRANS. CPLGS.
2-6" ST. CPLGS.
14' OF 6" ST. PIPE

STA. 27+14
Δ= 90° LT.
BLOCKING - SEE DETAILS SH. #13

STA. 27+61
Δ= 90° RT.
BLOCK - SEE DETAIL SH. #13

STA. 20+69.95
Δ= 22½° LT.
BLOCK - SEE DETAIL SH. #13

PROPOSED 24" WATER LINE
5' BACK OF CURB

REMOVE OLD VALVE BOX

REMOVE VALVE BOX

24" C.CYL. WATER LINE

STADIUM BLVD. S.E.

UNIVERSITY BLVD.

VISTA RD.

WILMOORE DR.

CLAYTON HEIGHTS

TRUMBULL AVE. S.E.

ALL. 24" C.CYL.

24" C. CYL.

BEND DOWN 0°-12'

BEND UP 0°-12'

BEND DOWN 2°-28'

BEND UP 16°-20'

BEND DOWN 1°-16'

BEND UP 0°-32'

BEND DOWN 3° 02'

BEND UP 0°-32'

BEND DOWN 0°-32'

BEND DOWN 0°-12'

BEND UP 0°-12'

SCALES
HORIZ:- 1"= 50'
VERT:- 1"= 10'

GENERAL NOTES

1. ANY COUPLINGS, SLEEVES, ADAPTERS, CONNECTING PIECES, BUTT STRAPS, ETC. NECESSARY FOR CLOSURES, CONNECTIONS ETC., ON ALTERNATE PIPE BIDS, SHALL BE INCLUDED IN THE PAYMENT FOR MAINLINE PIPE IN PLACE. CONNECTIONS & CLOSURES ARE TO BE APPROVED BY THE ENGINEER.
2. PROVIDING THAT ELEVATIONS, AS SHOWN ON PROFILE AT STATIONS, ARE ADHERED TO, THE FOLLOWING IS PERMISSIBLE:-
   - SMALL VERTICAL OR HORIZONTAL BENDS, NOT EXCEEDING 5° MAY BE MADE BY PULLED JOINTS, A SERIES OF SHORT PIECES, OR BEVELLED JOINTS-NOT EXCEEDING MANUFACTURERS ALLOWABLE.
   - BENDS GREATER THAN 5° MAY BE MADE BY MANUFACTURED FITTINGS, OR STANDARD FITTINGS PLUS JOINT DEFLECTION.
3. PIPE:-
   STA. 0+00 TO STA. 48+00 PRESSURE CLASS 150
   STA. 48+00 TO E.O.P.- PRESSURE CLASS 100
   ALL ALTERNATES THICKNESS CLASS-CI ONLY-AS REQUIRED BY COVER ON PROFILE TO BE APPROVED BY THE ENGINEER

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE 5-2-11.

CAUTION!
BURIED CABLES BEFORE EXCAVATING CALL SOUTHERN CALL TEL. CO. EXT. 171

CAUTION-GAS LINES
BEFORE EXCAVATING - CALL SOUTHERN UNION GAS CO. 247-4101 EXT. 51 OR 52

NOTE:- CONTRACTOR MUST NOTIFY SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 3951 NEW MEXICO

PRELIMINARY FINAL AS-BUILT
REV. BY DATE

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING
TITLE WATER TRANSMISSION LINES-1965
LINE "A"

DESIGNED DATE
DRAWN DATE
SUPERVISED DATE
APPROVED DATE
FILE NO.
SHEET 1 OF 11 SHEETS

PLATE 2-PLAN-PROFILE D.P.R.&R.S. STANDARD
1001 SEEPSORT YELLUM-MADE AND PRINTED IN U.S.A.
EUGENE, DIETZGEN CO.

℄ CURVE DATA
Δ = 54° 30' 50"
R = 164.99'
T = 85.0
L = 156.98

W.L. CURVE DATA
Δ = 54° 30' 50"
R = 154.99'
L = 147.44'
D = 4° 40' 00"

147.44'
WATER LINE

11F CONC. CYL. - USE BEVELLED JOINTS

FAIRVIEW ADD.

STA. 31+11
REMOVE 24" C.I. PLUG & RETURN TO CITY
CONNECT TO EXIST. 24"x 8" C.I. TEE
1 - 24" TO 20" REDUCER (BUILT IN)
1 - 20" GATE VALVE - HORIZ. INST. W/ 3' BY-PASS - SOUTH & BOX - TYPE "B"
1 - 24" TO 20" CONN. PCE. (PE-FL)
1 - SPCL. BEND TO TEE & CLOSED W/ BUTT STRAP
EXISTING 24"x 24"x 8" TEE
24" C.I. W

SCALE
HORIZ. - 1" = 50'
VERT. - 1" = 10'

NOTE
STA. 31+11 TO STA. 42+87
INSTALLED BY OTHERS

40'
48'
N 61°
185.54'
127.72'
MATCH LINES
60'
22'
C.L. YALE BLVD. S.E.
TRACT 2
24"
85.0'
WATER LINE
130.44
150.46'
SANTA CLARA AVE. S.E.
DICKERSON ST.

℄ CURVE DATA
Δ = 55° 12' 50"
R = 162.54'
T = 85.0'
L = 156.34'

W.L. CURVE DATA
Δ = 55° 12' 50"
R = 172.54'
L = 166.2'
D = 4° 08' 00"

5160
5150
5140
5130
5120
5110
5100
5090
5180
5170
5220
5210
5200
5190

24" C.CYL. S = 0.00826

4' TO TOP OF TEE

STA. 42+87
REMOVE 24" BLIND FLGE. & RETURN TO CITY.
1 - 20" VALVE, HORIZ. INST CLASS 150 W/ 3' BY-PASS-No & VALVE BOXES - "B"
1 - 24"x 20" FL. REDUCER - BLT-IN

1F OTHER ALT.: - ALL FL. - FL.
1 - 10° 38' BEND - RT.
BLOCKING - SEE DETAIL SH. No. 13

STA. 43+22
INSTALL 1 - 10° 38' BEND LT.
BLOCKING - SEE DETAIL SH. No. 13

AT CURB RETURN
1 - 24"x 6" TEE - 5° FL.
1 - 6" (FL-M.J.) VALVE & BOX "A"
12' OF 6" C.I. PIPE
1 - FIRE HYDRANT

VICTORY ADDITION
FIRST UNIT
SANTA CLARA
PROPOSED 24" W. 5' N. OF ℄
24" C.CYL. F.2 GAS
5' N. OF ℄
16' ST. & W OF ℄ GRADED
COLUMBIA
PRINCETON
VASSAR
GIRARD BLVD. S.E.
DR. S.E.
CLASS 150 PIPE
CLASS 100 PIPE
ZONE 2E
ZONE 3E (RED)
DIRT
MATCH LINE

℄ CURVE DATA
Δ = 29°41'
R = 164.15'
T = 55.57'

W.L. CURVE DATA
Δ = 59°46'
R = 169.15'
D = 33°52'
L = 117.42'
Δ = 4°14'

STA. 51+67
P.C. ON W.L. AT E

STA. 53+95
P.T. OF W.L. AT E

℄ CURVE DATA
Δ = 59°46'
R = 164.15'
T = 55.27'

W.L. CURVE DATA
Δ = 59°46'
R = 169.15'
D = 33°52'
L = 117.42'
Δ = 4°14'

SCALE
HORIZ. 1" = 50'
VERT. 1" = 10'

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2-A-1.

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO. EXT. 1171

CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4101 EXT. 51 OR 32.

NOTE - CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 NEW MEXICO FRANK J. BAILEY

PRELIMINARY ____ FINAL ____ AS-BUILT ____
DATE

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING
TITLE WATER TRANSMISSION LINES - 1965
LINE "A"

DESIGNED ____ DRAWN A.T.S.
DATE ____ DATE ____
RECOMMENDED ____ APPROVED ____
DATE ____ DATE ____
FILE NO. ____ SHEET 2 OF 11 SHEETS

PROFILE

PLATE 2 - P - 24" PROFILE O. P. R. R. E. STANDARD
THE FREDERICK POST CO., CHICAGO

09 1/36 0265 02 56161

4" TRANSITE HAS BEEN CAPPED-EA. WAY (ZONE SEPARATION)

SANTA CLARA AVE.

24" C. CYL. WATER LINE - 5' N. OF ℄

2" GAS

MATCH LINE

ZONE 3E (RED) ZONE 5E

33 MONTEREY

RICHMOND DR.

STA. 65+37.40
Δ = 45° 15' RT
BLOCKING OR RIGID PIPE
SEE DETAIL - SH. 15

STA. 65+72
1-20" HORIZ. GATE VALVE
E. BOX - "B"
2-24" TO 20" REDUCERS
(FL.) BUILT IN

P.C. STA. 66+37.14

20 S.E. CURVE DATA
Δ = 45° 40'
T = 18.49'
L = 147.30'
R = 173.57'

W.L. CURVE DATA
Δ = 45° 40'
R = 145.51'
D = 39.55'
L = 171.95'
d = 4° 59'

STA. 69+10
Δ = 45° RT
BLOCKING & RUBB. PIPE SEE DETAIL SH. NO. 15

WELLESLEY DR. S.E.

MATCH LINE

SCALE
HORIZ. 1" = 50'
VERT. 1" = 10'

STA. 69+38.12
Δ = 44° 32' LT.
BLOCKING & RIGID PIPE SEE DETAIL SH. # 15

5' CONC. S.W. 30' PAVING

7.4" C.C.Y.L. S=0.00187

BEND DOWN 0° 45'

24" C.C.Y.L. S=0.00583

BEND DOWN 1° 33'

STA. 80+21.65
Δ = 90° RT.
END OF CONSTRUCTION
REMOVE BL. FLGE. & RETURN TO CITY.
CONNECT TO EXISTING 24" VALVE (FL.)
INSTALL 1-90° BEND (FL.)
BLOCKING - SEE DETAILS SH. # 15

10" ST. (C.L.) TO ATRISCO

PUMP HOUSE

EXISTING 24" VALVE (END OF CONSTRUCTION)

20" ST. TO ATRISCO

SCALE:- 1" = 20'

SCALE
HORIZ. - 1" = 50'
VERT. 1" = 10'

24" C.C.Y.L. WATER LINE

BEND DOWN 2° 24'

BEND UP 1° 24'

BEND DOWN 1° 16'

STA. 71+89.23
Δ = 90° 25' RT
BLOCKING & RIGID PIPE
SEE DETAIL - SH. 13

WELLESLEY

24" C.C.Y.L. 24" WATER LINE - 10' E. OF ℄

CONC. DRIVE

PICKET FENCE

HYDER L.

SANTA CLARA AVE. S.E.

SAN RAFAEL

SAN JOAQUIN AVE. S.E.

MONTEREY HILLS

MATCH LINE

STA. 79+28.90
Δ = 90° LT.
BLOCKING & RIGID PIPE
SEE DETAIL - SH. 13

24" C.C.Y.L. WATER LINE

BEND DOWN - 1° 55'

CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4101 EXT. 31 OR 32

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO. EXT. 3171

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2-A11.

NOTE - CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 5451 NEW MEXICO MARK A. SALIM

09 136 0365 02 56761

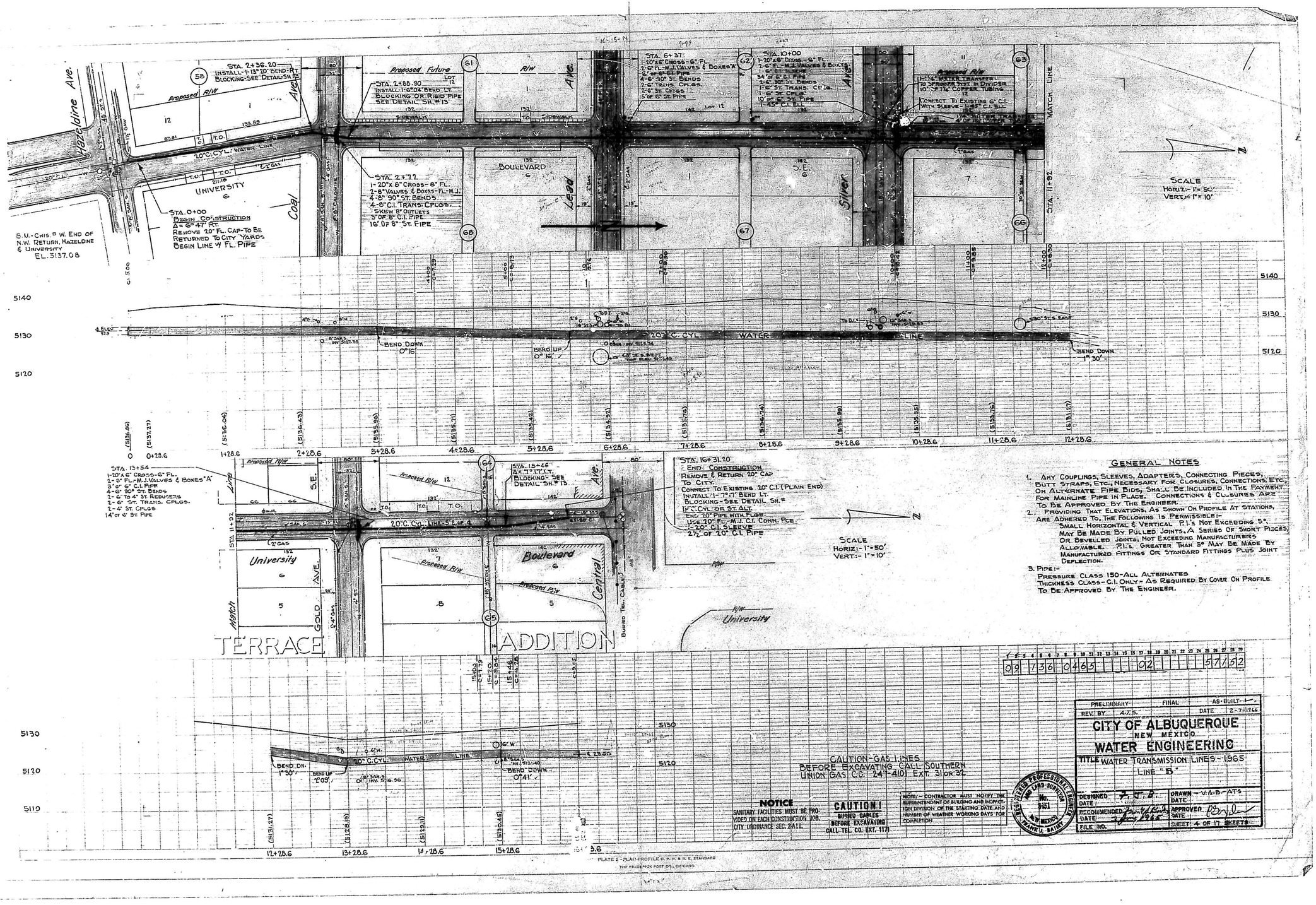
PRELIMINARY ___ FINAL ___ AS-BUILT ✓
REV. BY ___ DATE 2-4-1966

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING

TITLE WATER TRANSMISSION LINES - 1965
LINE "A"

DESIGNED P.T.S.
DRAWN A.T.S.
DATE
RECOMMENDED
APPROVED
DATE 2 June 1966
FILE NO.
SHEET 3 OF 17 SHEETS

PLAT 2 - PLAN-PROFILE 6 P.P. & E. STANDARD
THE FREDERICK POST CO., CHICAGO



GENERAL NOTES

1. Any Couplings, Sleeves, Adapters, Connecting Pieces, Butt Straps, Etc., Necessary For Closures, Connections, Etc., On Alternate Pipe Bids, Shall Be Included In The Payment For Mainline Pipe In Place. Connections & Closures Are To Be Approved By The Engineer.
2. Providing That Elevations, As Shown On Profile At Stations, Are Adhered To, The Following Is Permissible:- Small Horizontal & Vertical P.I.'s Not Exceeding 5°, May Be Made By Pulled Joints. A Series Of Short Pieces, Or Bevelled Joints, Not Exceeding Manufacturers Allowable. P.I.'s Greater Than 5° May Be Made By Manufactured Fittings Or Standard Fittings Plus Joint Deflection.
3. Pipe:- Pressure Class 150-All Alternates Thickness Class- C.I. Only- As Required By Cover On Profile To Be Approved By The Engineer.

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2A11.

CAUTION!
BURIED CABLES BEFORE EXCAVATING CALL TEL. CO. EXT. 1171

CAUTION-GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4101 EXT. 310R 32

NOTE:- CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 NEW MEXICO FRANK L. BATES

09 7 36 04 65 02 57 52

PRELIMINARY	FINAL	AS-BUILT	
REV. BY A.T.S.		DATE	2-7-1966

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING
TITLE WATER TRANSMISSION LINES - 1965
LINE "B"

DESIGNED	F. C. B.	DRAWN	V.A.B.-A.T.S.
DATE		DATE	
RECOMMENDED		APPROVED	
DATE	2 June 1966	DATE	
FILE NO.		SHEET	4 OF 17 SHEETS

PLATE 2 - PLAN-PROFILE O. P. K. & B. K. STANDARD
THE FRIDEN PICK POST CO., CHICAGO

Scale 1"=50'

MIRAMONTES PARK ADD.

MENAUL BLVD. N.E.

VACATED

STA. 0+00
BEGIN CONSTRUCTION
CUT IN 24"x 18" TEE - 18" FL.
IF C.CYL. OR ST-CONNECT W BUTT STRAPS
1-SPEC. 14° ELL
1-18" VALVE (FL-FL)-VERT. W 3' BY-PASS
NORTH, CL. 150
BLOCKING:- (SEE DETAILS) SH. #13

STA. 0+42
1-18"x6" TEE (6" FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
8'OF 6" C.I. PIPE
1-FIRE HYDRANT

STA. 3+52
1-18"x6" TEE (6" FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
8'OF 6" C.I. PIPE
1-FIRE HYDRANT

STA. 6+09
1-18"x6" TEE (6" FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
5'OF 6" C.I. PIPE
1-FIRE HYDRANT

STA. 10+06
1-18" 90°-TEE (6" FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
7'OF 6" C.I. PIPE
1-FIRE HYDRANT

STA. 12+86
1-18"x6" TEE-6" FL.
1-6" VALVE (FL-M.J.) & BOX "A"
9'-6" C.I. PIPE
1-6"45° BENDS
BLOCKING-SEE DETAIL SH. #13

STA. 13+32
1-18"x6" TEE (6" FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
6'OF 6" C.I. PIPE
1-FIRE HYDRANT

MATCH LINE - STA. 14+47

20" C.CYL. WATER LINE - 5' N. OF CURB

18" C. CYL. WATER LINE - 5' N. OF CURB

BL. 108 · BL. 107 SHOPPING CENTER · BL. 106 · BL. 105 · BL. 104 · BL. 13 PARKING AREA

SAN MATEO · MADEIRA · LA VETA · PALOMAS · ALVARADO · DR. N.E.

SANDIA GLASS · MEAD'S HARDWARE

BEL-AIR ADDITION

TEL. CABLE · BEND DOWN 1° 50' · ROTATE TEE UP 0° 50' · 24" C.CYL. ELEV. 5543 · 8" SAN. S. INV. ELEV. 5507.40

BEND UP 0° 17' · 6"W · 18" C. CYL. WATER LINE

SCALE HORIZ.-1"= 50' VERT.-1"= 10'

N

BL. 13 PARKING AREA · BL. 104 · BL. 103 · BL. 102 · BL. 101 · BL. 15 PARKING AREA

MIRAMONTES PARK ADD. · VISTA ENCANTADA ADD.

MENAUL · BLVD. N.E. · DR. N.E. · OLD R/W · ORIGINAL R/W · R/W

MATCH LINE - STA. 14+47

STA. 15+93
1-18"x6" TEE (6' FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
5'OF 6" C.I. PIPE
1-FIRE HYDRANT

STA. 19+17
1-18"x6" TEE (6" FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
6'OF 6" C.I. PIPE
1-FIRE HYDRANT

STA. 23+14
1-18"x6" TEE (6" FL.)
1-6" VALVE (FL-M.J.) & BOX "A"
8'OF 6" C.I. PIPE
1-FIRE HYDRANT

STA. 23+57
1-18"x6" TEE (6" FL.) SLT-in
1-6" PLUG (FL.)

STA. 25+60
1-18"45° BEND (SLT-in)
BLOCKING-(SEE DETAILS) SH. #13

STA. 25+77
END CONSTRUCTION
1-18"45° BEND-BLOCKED
1-18"-12" C.I. REDUCER (SLT-in)
1'OF C.CYL. OR ST-12" FL-12" M.J. VALVE
CONN. PCS.

18" C. CYL. WATER LINE - 5' N. OF CURB

BL. 104 · BL. 103 · BL. 102 · BL. 101

VALENCIA · IRON PIPE · CARDENAS · CAHUA · VAN PEDRO

BEL-AIR ADD.

Scale
Horiz.-1"= 50'
Vert.-1"= 10'

N

GENERAL NOTES

1. ANY COUPLINGS, SLEEVES, ADAPTERS, CONNECTING PIECES, BUTT-STRAPS, ETC., NECESSARY FOR CLOSURES, CONNECTIONS, ETC., ON ALTERNATE PIPE BIDS, SHALL BE INCLUDED IN THE PAYMENT FOR MAINLINE PIPE IN PLACE. CONNECTIONS AND CLOSURES ARE TO BE APPROVED BY THE ENGINEER.
2. PROVIDING THAT ELEVATIONS, AS SHOWN ON PROFILE, AT STATIONS ARE ADHERED TO, THE FOLLOWING IS PERMISSIBLE:- SMALL HORIZONTAL OR VERTICAL P.I.'S NOT EXCEEDING 5° MAY BE MADE BY PULLED JOINTS, A SERIES OF SHORT PIECES, OR DEVELLED JOINTS NOT EXCEEDING MANUFACTURERS ALLOWABLE. P.I.'S GREATER THAN 5° MAY BE MADE BY MANUFACTURED FITTINGS OR STANDARD FITTINGS PLUS JOINT DEFLECTION.
3. PIPE-
   - PRESSURE CLASS 150 - ALL ALTERNATES
4. CONTRACTOR TO PROVIDE TAP AHEAD OF EXISTING 12" VALVE FOR BLEEDING & TESTING.

CAUTION!
BURIED CABLES BEFORE EXCAVATING CALL TEL. CO. EXT. 1171

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2.11.

CAUTION: GAS LINES BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. - 247-4101 - EXT. 31 OR 32

NOTE: - CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 FRANK J. BAILEY NEW MEXICO

PRELIMINARY		FINAL	AS-BUILT
REV. BY	A.T.S.	DATE	2-7-64

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING
TITLE WATER TRANSMISSION LINES-1965
LINE "C"

DESIGNED	J.J.B.	DRAWN	J.L.-A.T.S.
DATE		DATE	
RECOMMENDED		APPROVED	
DATE		DATE	
FILE NO.		SHEET 5 OF 17 SHEETS	

10.2 PLAN-PROFILE 6 0 1 3 R.E. STANDARD
THE FREDERICK POST CO., CHICAGO

REV. 1-64
1-23

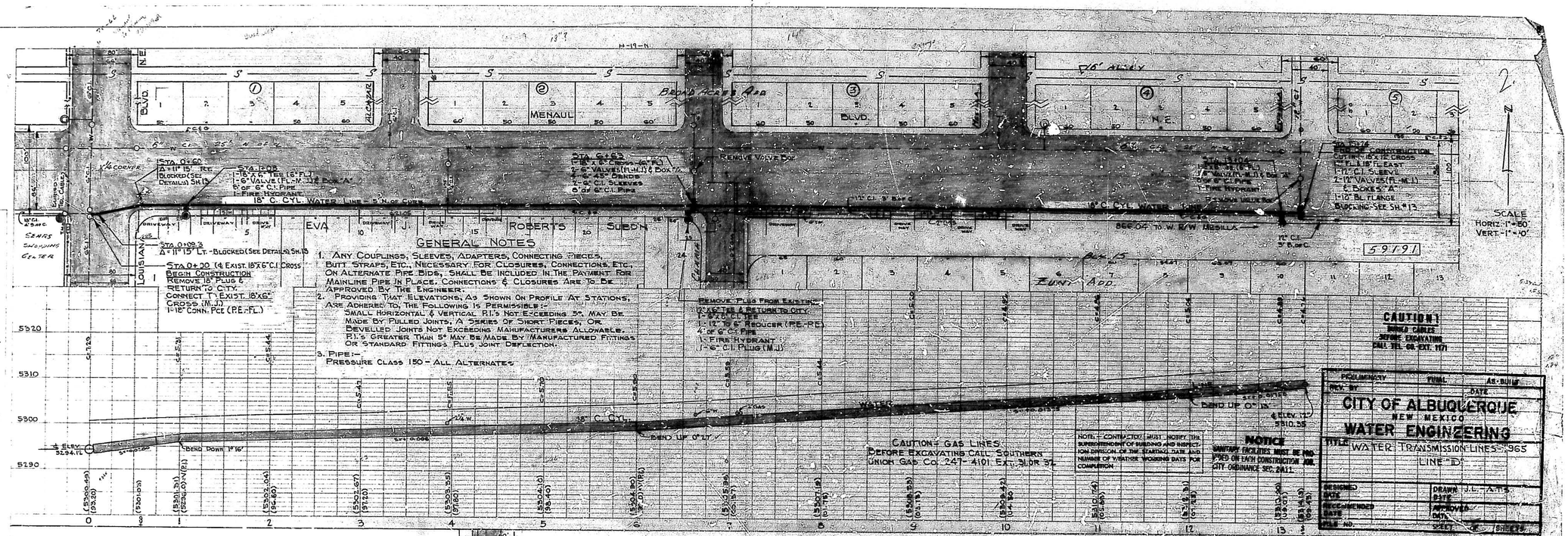


Plate 2 - Plan-Profile's, P. R. & R. E. Standard
The Frederick Post Co., Chicago

GENERAL NOTES

1. ANY COUPLINGS, SLEEVES, ADAPTERS, CONNECTING PIECES, BUTT STRAPS, ETC., NECESSARY FOR CLOSURES, CONNECTIONS, ETC., ON ALTERNATE PIPE BIDS, SHALL BE INCLUDED IN THE PAYMENT FOR MAINLINE PIPE IN PLACE. CONNECTIONS & CLOSURES ARE TO BE APPROVED BY THE ENGINEER.
2. PROVIDING THAT ELEVATIONS, AS SHOWN ON PROFILE AT STATIONS, ARE ADHERED TO, THE FOLLOWING IS PERMISSIBLE:-
   SMALL HORIZONTAL & VERTICAL P.I.'s NOT EXCEEDING 5°, MAY BE MADE BY PULLED JOINTS, A SERIES OF SHORT PIECES, OR BEVELLED JOINTS NOT EXCEEDING MANUFACTURERS' ALLOWABLE. P.I.'s GREATER THAN 5° MAY BE MADE BY MANUFACTURED FITTINGS OR STANDARD FITTINGS PLUS JOINT DEFLECTION.
3. PIPE:- PRESSURE CLASS 150 - ALL ALTERNATES

STA. 0+00 (± EXIST. 18"X6" C.I. CROSS)
BEGIN CONSTRUCTION
REMOVE 18" PLUG & RETURN TO CITY.
CONNECT TO EXIST. 18"X6" CROSS (M.J.)
1-18" CONN. PCE (P.E.-F.L.)

STA. 0+09.3
Δ = 11°15' LT. - BLOCK 10 (SEE DETAILS) SH. 13

STA. 0+60
1-18"X6" TEE (F.L.)
1-6" VALVE (F.L.-M.J.) & BOX "A"
6' OF 6" CI. PIPE
FIRE HYDRANT
18" C. CYL. WATER LINE - 5' N. OF CURB

STA. 0+90
1-18"X6" TEE (F.L.)
1-6" VALVE (F.L.-M.J.) & BOX "A"
6' OF 6" CI. PIPE
18" C. CYL. WATER LINE - 5' N. OF CURB

STA. 2+52
1-18" BEND - 90° (F.L.)
1-6" VALVES (F.L.-M.J.) & BOX "A"
2-6" C.I. SLEEVES
2-6" CI. SLEEVES
6' OF 6" CI. PIPE

STA. 3+04
1-18" BEND - 90° (F.L.)
1-6" VALVE (F.L.-M.J.) & BOX "A"
6' OF 6" CI. PIPE
1-FIRE HYDRANT
REMOVE VALVE BOX

STA. 3+10.4
1-18" BEND - 90° (F.L.)
6' OF 6" CI. PIPE
1-FIRE HYDRANT
REMOVE VALVE BOX

STA. 3+30.4
TEMPORARY CONSTRUCTION
CUT 1-18"X18" CROSS
10' F.L. IN, LEAST
1-11" C.I. SLEEVE
2-18" VALVES (F.L.-M.J.)
& BOXES "A"
1-18" BL. FLANGE
BLOCKING - SEE SH. #13

REMOVE PLUG FROM END OF 18" C.I. PIPE
REMOVE & RETURN TO CITY
1-6"X18" CI. TEE
1-12" X 6" REDUCER (P.E.-F.E.)
4' OF 6" CI. PIPE
1-FIRE HYDRANT
1-6" C.I. PLUG (M.J.)

STA. 0+72.75
1-12" 90° C.I. BEND BLOCKED (SEE DETAILS SH. 13

STA. 0+00
REMOVE 12" C.I. CAP & RETURN TO CITY
1-12" C.I. SLEEVE

STA. 3+86.84
REMOVE 12" C.I. CAP & RETURN TO CITY
1-12" VALVE & BOX "A" & BOX "B"

CAUTION! BURIED CABLES BEFORE EXCAVATING CALL TEL. CO. EXT. 1171

CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4101 EXT. 3 FOR 32

NOTE - CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WORKING DAYS PRIOR TO COMMENCEMENT

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2411.

59191

56201

SCALE
HORIZ.- 1" = 50'
VERT.- 1" = 10'

PRELIMINARY	FINAL	AS-BUILT
REV. BY	DATE	

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING
TITLE WATER TRANSMISSION LINES-1965
LINE "D"

DESIGNED	DRAWN J.L.-A.T.S.
DATE	DATE
RECOMMENDED	APPROVED
DATE	DATE
FILE NO.	SHEET 5 OF 17 SHEETS

PLAN

PROFILE

HAWTHORNE SCHOOL

BUENA VENTURA ADD

PROFILE N. CURB

PROPOSED 12" C.I. WATER LINE - 3' COVER

W. CURB (PROJ.) & B.F.

90° BEND

E.O.P.

56201

CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. - 247-4101 EXT. 3 FOR 32

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2411.

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO. EXT. 1171

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 NEW MEXICO ERNEST L. WALKER

PRELIMINARY	FINAL	AS-BUILT
REV. BY A.T.S.	DATE	2-9-1966

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING
TITLE WATER TRANSMISSION LINES-1965
LINE "E"

DESIGNED E.L.W.	DRAWN J.L.-A.T.S.
DATE	DATE
RECOMMENDED E.L. Walker	APPROVED D.M. Mc
DATE 2-9-1966	DATE
FILE NO.	SHEET 6 OF 17 SHEETS

PLATE 2 - PLAN-PROFILE U. P. A. S. E. STANDARD
THE FREDERICK POST CO., CHICAGO

SCALE
HORIZ:-1"=50'
VERT:-1"=10'

TRACT C-22

CENTRAL

STA. 0+00
BEGIN CONSTRUCTION
1-12"x10" TAPPING SLEEVE
1-10" VALVE (FL.-M.J.) & BOX "B"
DR. TAP BY CITY
BLOCKING-SEE DETAIL SH. #13
1-10" C.I. SLEEVE

P.C. STA. 1+10.3

STA. 1+20.3
1-10"x6" C.I. CROSS (6" FL.)
2-6" VALVE (FL.-M.J.) & BOX "A"
2-6" C.I. SLEEVES
RE. ONE OLD VALVE BOX
1-10" C.I. SLEEVE

BURIED TEL. CABLE

¢ CURVE DATA
Δ = 15° 38' RT.
D = 3° 00'
R = 1909.97'
T = 262.2'
L = 521.14'

W.L. CURVE DATA
Δ = 15° 38' RT.
D = 3° 04' 50"
R = 1859.97'
T = 255.34'
L = 507.50

P.T. STA. 6+17.8 (CALC.)

ASPHALT PAVING

10" C.I. WATER LINE - 10' W. OF R/W

COORS ROAD (N. MEX. 448)

TRACT C-21

CITY LIMITS

AVALON ROAD

STA. 13+09

AIRPORT LEASE BOUNDARY

CITY LIMITS

LOT 3 (B&M) Langland Addition PLAYGROUND (PUBLIC)

MATCH

PROFILE & PIPE

PROFILE EAST EDGE OF PAVEMENT

10" C.I. WATER LINE

G.T.W.-EL. 88.66

24" W. 12" ELEV. 85.56

12" WATER

OR-8.5 SM. 9 INV. ELEV. 5080.0

S=0.00112

S=0.00134

BEND DN. 1° 21'

BEND UP 3° 50'

S=0.0127

BEND DOWN 1° 56'

S=0.00675

BEND UP 0° 23'

S=0.00

BEND DOWN 1° 24'

S=0.0420

BEND UP 1° 49'

5100
5090
5080
5070

0 (5090.31) (85.34)
+50 (5091.74)
1 (5091.32) (88.20)
2 (5092.46) (88.31)
3 (5093.35) (88.43)
4 (5093.56) (86.54)
5 (5093.90) (86.68)
6 (5093.24) (86.77)
7 (5093.41) (88.85)
+25 (5093.59) (89.32)
8 (5093.85) (89.01) V (FIL)
+60 (5093.54) (86.61) V (FIL)
9 (5091.82) (87.68)
+30 (5093.71) V (FIL)
10 (5092.99) (86.35)
11 (5092.90) (91.68)
+15 (91.80) (81.18)
12 (5091.44) (87.01) V (FIL)
+25 (91.72) (81.61)
13 (5091.24) (87.01) V (FIL)
+50 (90.72) (84.82)
14 (5088.03) (82.60)
+75 (84.54) (79.63)
15 (5083.05) (78.60) V (FIL)

SCALE
HORIZ:-1"=50'
VERT:-1"=10'

GENERAL NOTES

1. PROVIDING THAT ELEVATIONS, AS SHOWN ON PROFILE AT STATIONS, ARE ADHERED TO, THE FOLLOWING IS PERMISSIBLE: SMALL HORIZONTAL OR VERTICAL BENDS, NOT EXCEEDING 5°, MAY BE MADE BY PULLED JOINTS OR A SERIES OF SHORT PIECES-NOT TO EXCEED MANUFACTURERS ALLOWABLE. BENDS GREATER THAN 5° MAY BE MADE WITH STANDARD FITTINGS PLUS JOINT DEFLECTIONS.
2. PIPE:- PRESSURE CLASS-200

COORS ROAD (N. MEX. 448)

STA. 18+07.36
30" CONC. PIPE

ASPHALT PAVING

10" C.I. WATER LINE - 10' W. OF R/W

BURIED TEL. CABLE

MATCH LINE-STA. 23+23

STA. 15+09

40'

BULKWATER

STA. 23+55 ROAD

AIRPORT LEASE BOUNDARY

CITY LIMITS

CAUTION-GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4101 EXT. 31 OR 32

09 | 36 | 0765 | | | 02 | | | 57 | | |

PROFILE EAST EDGE OF PAVEMENT
PROFILE & PIPE

30" CONC. PIPE ELEV. 5075.23

10" C.I. WATER LINE

BEND UP 1° 49'

S=0.0010.13

BEND UP 0° 57'

S=0.002

BEND UP 0° 40'

S=0.0155

BEND UP 0° 24'

S=0.0.0.2366

5100
5090
5080
5070

15 (5093.61) (78.60) V (FIL)
+15 (85.89) (78.89)
16 (5091.53) (77.57)
17 (5091.12) (76.56)
+25 (80.91) (75.76)
18 (5090.28) (75.50) V (FIL)
+50 (90.28) (75.62)
19 (5090.16) (76.00)
20 (5091.50) (75.50)
21 (5091.83) (77.00)
+25 (85.24) (77.36)
22 (5092.37) (77.50) V (FIL)
+50 (84.59) (77.92)
23 (5094.83) (79.17)
24 (5096.02) (80.83)
+25 (85.36) (81.00)
25 (5097.33) (82.50) V (FIL)
+50 (87.77) (85.05)
26 (5098.58) (84.80)
27 (5099.56) (87.73)
28 (5084.02) (83.80) V (FIL)

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO. EXT. 1171

NOTE - CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE A-D NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2-4-11.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 NEW MEXICO FRANK J. BATTEY

PRELIMINARY FINAL AS-BUILT
REV. BY: ATS. DATE: 2-15-66

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING

TITLE: WATER TRANSMISSION LINES-1965-LINE "F"

DESIGNED F.J.B.	DRAWN V.A.B.-A.T.S.
DATE	DATE
RECOMMENDED	APPROVED
DATE	DATE
FILE NO:	SHEET 7 OF 17 SHEETS.

PLATE 2 - PLAN-PROFILE O. P. B. A. P. E. STANDARD
THE FREDERICK POST CO., CHICAGO

TOWN OF ATRISCO GRANT

BLVD. 35 N.W.

COORS 30

ASPHALT

N.M.S.R. NO. 448 40

STA. 34+95.36
1-10"x10"x10" TEE - 10" BRANCH FL.
1-10" VALVE (M.J.) & BOX "B"
1-10" PLUG (M.J.)
1-10" VALVE (FL.-M.J.) & BOX "B"

STA. 37+43
1-10"x8" C.I. WYE (8" FL.)
1-8" 22½° C.I. ELL
8'-0" C.I. PIPE
1-8" C.I. TRANS. CPLG. (ST.-C.I.)
1-8" (FL.-M.J.) VALVE & BOX "B"

W.L. CURVE DATA
Δ= 18°-20'
T= 916.53'
L= 1817.30'
D= 1°-00'-35"
R= 5679.77'

℄ CURVE DATA
Δ= 18°-12'-RT.
T= 924.6'
L= 1833.5'
D= 1°-00'
R= 5,729.77'

MATCH LINE - STA. 25+12.5

MATCH LINE - STA. 45+55

10" C.I.

F.C. STA. 33+62.5

BURIED TEL. CABLE

8" ST. (TO BE ABANDONED)

8" ST. CEMENT LINED

8" ST. CEMENT LINED

Hub

AIRPORT LEASE

65th ST. N.W.

DAVIS PEREA COURSON SUBD'N

SHAMBAUGH'S SUBDN OF TRACT 66

CLOVERCROFT RD. N.W.

BEND DOWN 0°-46'

BEND DOWN 0°-18'

BEND DOWN 0°-10'

BEND UP 0°-32'

BEND DOWN 0°-51'

TOWN OF ATRISCO GRANT

STA. 46+83.6
1-10"x 8" C.I. TEE (8" FL.)
2-8" C.I. 45° BENDS
28'-0" 8" C.I. PIPE
1-8" C.I. TRANS. CPLG. (ST-C.I.)
1-8" (FL-M.J.) VALVE & BOX
1-8"x 6" C.I. TEE (6" FL.)
8'-6" C.I. PIPE
1-FIRE HYDRANT

AIRPORT LEASE PORT

COORS 45

ASPHALT

1-8" 22½° C.I. ELL

MATCH LINE - STA. 43+55

10" C.I. WATER LINE - 10' W. OF R/W

8" ST. (ABANDONED)

BURIED TEL. CABLE

BURIED CABLE

PT. STA. 51+74.5

62nd ST. N.W.

DAYTONA DR. N.W.

58102

DAVIS PEREA COURSON SUBD. NORTHERN HEIGHTS ADD.

BLOCK "L" BLOCK "K"

STA. 53+11
Δ= 70°-54' LT.
1-72½° C.I. BEND (M.J.)
JOINT DEFL. SOUTH
BLOCK-SEE DETAIL SH. "13"

STA. 53+11
Δ= 50°-00' RT.
1-10"x10" C.I. CROSS (FL.)
4-10" VALVES (FL-M.J.) & BOXES "B"

FOR PROPOSED 16" LINE TO NORTH SEE SHEETS 10, 11, & 12.

STA. 53+76
1-10"x 6" C.I. TEE (6" FL.)
1-6" VALVE (FL.-M.J.) & BOX "A"
12'-0" 6" C.I. PIPE
1-FIRE HYDRANT

MATCH LINE

PROFILE: ℄ OF PIPE

PROFILE: EAST EDGE OF PAVEMENT

BEND DN. 0°-52'

BEND UP 0°-43'

BEND UP 0°-37'

BEND DN.

CROSS

CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4100 EXT. 31 OR 32

CAUTION!!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO. EXT. 1171

NOTE - CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2.11

SCALE
HORIZ:- 1"=50'
VERT:- 1"=10'

09 7 26 0865 58102 57101

PRELIMINARY FINAL X AS-BUILT

REV. BY DATE

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING

TITLE WATER TRANSMISSION LINES-1965
LINE "F"

DESIGNED
DRAWN V.A.B. T.A.T.
TRACED
CHECKED
APPROVED
DATE
SHEET 9 OF 13 SHEETS

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 STATE OF NEW MEXICO ERNEST L. BAILEY

PLATE 2 - PLAN-PROFILE C. P. R. R. E. STAGNARO
THE FREDERICK POST CO., CHICAGO

TOWN OF ATRISCO GRANT

COORS BLVD. N.W.

ASPHALT

10" C.I. WATER LINE - 10' W. OF R/W

BURIED TEL. CABLE

6" ST. (TO BE ABANDONED)

6" ST. CEMENT LINED

MATCH LINE - STA. 43+55

MATCH LINE - STA. 5+73

Hub

AIRPORT LEASE

63rd ST. N.W.

DAVIS. PEREA. COURSON. SUBD'N

SHAMBAUGH'S SUBD'N OF TRACT 66

DAYTONA DR. N.W.

No STREET

62nd ST. N.W.

NORTHERN HEIGHTS ADD.

BLOCK "K"

BLOCK "L"

58102

N.M.S.R. No. 448

P.C. STA. 33+62.7

P.T. STA. 51+74.5

STA. 34+95.36
1-10"x10" TEE - 10" BRANCH FL.
1-10" VALVE (M.J.) & Box "B"
1-10" PLUG (M.J.)
1-10" VALVE (FL-M.J.) & Box "B"
BLOCKING-SEE DETAIL SH. 13

STA. 37+43
1-10"x6" C.I. WYE (6" FL.)
1-6" 22½° C.I. ELL
6'OF 6" C.I. PIPE
1-6" C.I. TRANS. CPLG (ST.-C.I.)
1-6" (FL.-M.J.) VALVE & Box "B"

M.L. CURVE DATA
Δ = 18° 20'
T = 916.53'
L = 1817.30'
D = 1° 00' 35"
R = 5679.11'

≤ CURVE DATA
Δ = 18° 20' RT.
T = 924.6'
L = 1833.5'
D = 1° 00'
R = 5,729.71'

STA. 46+83.6
1-10"x 8" C.I. TEE (5" FL.)
2-8" C.I. 45° BENDS
18'OF 8" C.I. PIPE
1-8" C.I. TRANS. CPLG (ST.-C.I.)
1-8" (FL.-M.J.) VALVE & Box
8'-6" C.I. PIPE
1-FIRE HYDRANT

1-8" 22½° C.I. ELL

STA. 53+41
Δ = 90° 03' RT.
1-10"x10" C.I. CROSS (FL.)
4-10" VALVES (FL.-M.J.) & BOXES "B"

FOR PROPOSED 16" LINE TO NORTH SEE SHEETS 10, 11, & 12.

STA. 53+11
Δ = 70° 54' LT.
1-22½° C.I. BEND (M.J.)
JOINT DEFL. SOUTH
BLOCK-SEE DETAIL SH. 13

STA. 53+76
1-10"x6" C.I. TEE (6" FL.)
1-6" VALVE (FL.-M.J.) & Box "A"
12'OF 6" C.I. PIPE
1-FIRE HYDRANT

PROFILE - AT ℄ OF PIPE
PROFILE - LAST EDGE OF PAVEMENT

BEND DN. 0° 45'
BEND DN. 0° 18'
BEND DN. 0° 10'
BEND UP 0° 32'
BEND UP 0° 43'
BEND UP 0° 57'
BEND UP 0° 32'
BEND DN. 0° 57'

CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4101 Ext. 31 or 82

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO. EXT. 1171

NOTE — CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION.

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2.41.1

REGISTERED PROFESSIONAL LAND SURVEYOR No. 3451 NEW MEXICO JAMES L. BAISLEY

SCALE
HORIZ:- 1" = 50'
VERT:- 1" = 10'

PRELIMINARY FINAL X AS-BUILT
REV. BY A.T.S. DATE
CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING
TITLE WATER TRANSMISSION LINES-1965.
LINE "F"
DESIGNED DRAWN V.A.B. - A.T.S.
DATE DATE
TRACED APPROVED
DATE DATE
FILE NO. SHEET 9 OF 13 SHEETS

09 136 01869 02 57102
58102

PLATE 2 - PLAN-PROFILE O. P. & R. E. STANDARD
THE FREDERICK POST CO. CHICAGO

STA. 58+58.65
1-10"x 10" C.I. TEE (BRANCH FLGD.)
1-10" VALVE (FL-M.J) & Box "B"
18' OF 10" C.I. PIPE
1-10" TO 10" ST. REDUCER
1-10" TRANS. CPLG.

METER SERVICE ON DEAD END. KEEP IN SERVICE DURING CONST'N. EXCEPT FOR TIE-INS.

STA. 58+62.5
1-10"x 6" C.I. TEE (6" FL.)
1-6" VALVE (FL-M.J) & Box "B"
3'OF 6" C.I. PIPE
2-6" 90° ST. BENDS
1-6" ST. TRANS. CPLGS. (C.I.-ST.)
1-6" ST. CPLG.
6' OF 6" ST. PIPE

STA. 59+75.6
1-10"x6" C.I. TEE (6" FL.)
6' OF 6" ST. PIPE
1-6" VALVE (FL-M.J) & Box "B"
2-6" 90° ST. BENDS
1-6" ST. TRANS. CPLG. (C.I.-ST.)
1-6" ST. CPLG.

STA. 60+39.64
1-10"x6" C.I. TEE (6" FL.)
4' OF 6" C.I. PIPE
1-6" C.I. SLEEVE
1-6" VALVE (FL-M.J) & Box "B"

STA. 62+10.38
1-10"x6" C.I. TEE (6" FL.)
1-6" C.I. SLEEVE
1-6" VALVE (FL-M.J) & Box "B"
31' OF 6" C.I. PIPE

STA. 63+09.64
1-10"x 6" C.I. TEE (6" FL.)
10' OF 6" C.I. PIPE
1-6" C.I. SLEEVE
1-6" VALVE (FL-M.J) & Box "B"

STA. 64+32.38
1-10"x 6" C.I. TEE (6" FL.)
1-6" VALVE (FL-M.J) & Box "B"
10' OF 6" C.I. PIPE
1-6" x 4" ST. RED.
1-6" ST. TRANS. CPLG. (C.I.-ST.)
1-4" ST. CPLG.
2-4" 90° ST. BENDS
5' OF 4" ST. PIPE

STA. 66+34.64
1-10"x6" C.I. TEE (6" FL.)
1-6" VALVE (FL-M.J) & Box "B"
1-6" PLUG (M.J.)

STA. 67+56.30
1-10"x 8" C.I. TEE (M.J.)
1-8"x6" C.I. RED.
4' OF 6" C.I. PIPE
1-6" C.I. TRANS. SLEEVE (CI TO ST.)
2' OF 6" C.I. PIPE

STA. 68+66.64
1-10"x 6" C.I. TEE (6" FL.)
4' OF 6" C.I. PIPE
1-6" C.I. SLEEVE
CONNECT TO EXISTING 6" C.I.-NORTH
REMOVE EXIST. 6"x 6" C.I. TEE & RETURN TO CITY.
1-6" VALVE (FL-M.J) & Box "B"

STA. 69+46.64
1-6" VALVE (M.J.) & Box "B"

STA. 70+12.64
CONNECT TO EXIST. 10" C.I.
1-10" C.I. SLEEVE

STA. 76+26.64
1-10"x6" C.I. TEE (6" FL.)
3' 6" C.I. PIPE
1-6" C.I. SLEEVE
1-6" VALVE (FL-M.J) & Box "B"
CONNECT TO EXIST. 6" C.I. NORTH
REMOVE EXIST. 6"x6" C.I. TEE & RETURN TO CITY

STA. 79+06.64
1-10"x6" C.I. TEE (6" FL.)
2-6" C.I. 45° ELLS
1-6" C.I. SLEEVE
15' OF 6" C.I. PIPE
1-6" VALVE (FL-M.J) & Box "B"
CONNECT TO EXIST. 6" C.I. NORTH
REMOVE EXIST. 6"x 6" C.I. TEE & RETN. RHO CITY.

STA. 81+46.54
1-10" VALVE (M.J.) AND Box "B"
LOT 65
THE PALISADES

STA. 81+90.54
Δ= 90° (RT.)
1-10"x10" C.I. TEE (M.J.)
1-10"x6" C.I. RED. (RE.-PE.)
1-6" 90° ST. RED.
2-4" 90° ST. BENDS
1-6" ST. TRANS. CPLG.
1-4" ST. CPLG.
6' OF 4" ST. PIPE
BLOCKING - SEE DETAIL SH.# 15

STA. 83+48.54
1-10" VALVE (M.J.) & Box "B"

STA. 83+99.64
END OF CONST'N.
1-10"x10" C.I. WYE (M.J.)
1-10"x6" C.I. TEE (6" FL.)
1-6" (FL.-M.J.) VALVE & Box "B"
1-10"x8" C.I. REDUCER (M.J.-PE)
1-10"x6" C.I. REDUCER (M.J.-PE)
1-8"x6" C.I. REDUCER (PE.)
1-6" ST. 45° ELL.
3-6" TRANS. CPLGS. (ST.-C.I.)
4-6" ST. 90° BENDS
3-6" ALLSTEEL CPLGS.
6' OF 6" C.I. PIPES
20' OF 6" ST. PIPE
BLOCK WYE - SEE DETAIL SH.# 13

NOTE:- CONTRACTOR TO TRANSFER ALL METERS.

NOTE - BETWEEN STA. 57+10.64 AND STA. 70+12.64 SWING LINE TO 4' N. OF ℄

NOTE:- BETWEEN STA. 74+67.64 AND STA. 80+64.64 SWING LINE TO 4' N. OF ℄

CAUTION!
BURIED CABLES BEFORE EXCAVATING CALL TEL. CO. EXT. 1171

NOTE:- CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2A.1.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 NEW MEXICO FRANK J. BAILEY

CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO.- 247-4101 EXT. 31 OR 32

PRELIMINARY	FINAL	AS-BUILT ✓	
REV. BY	A.T.S.	DATE	

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING

TITLE: WATER TRANSSMISSION LINES-1965
LINE "F"

DESIGNED	S.J.B.	DRAWN	A.T.S
DATE		DATE	
RECOMMENDED		APPROVED	
DATE	3 June 1965	DATE	
FILE NO.		SHEET: 3 OF 17 SHEETS	

Project # 136

TR. 163

COORS RD. N.W.

TR. 212

N.M.S.H. 448

GLENRIO

FORTUNA

60'

30'

10" C.I.

16" C. CYL. WATER LINE -- 10' W. OF R/W

℄ R/W

BURIED TEL. CABLE

STA. 0+00 (℄ CROSS)=
STA. 53+41 (COORS RD. SO.)
CONNECT TO 10" (FL-M.J) VALVE
1-16"TO 10" RED. & 1-45° BEND
(BUILT IN PIPE)
1-16" (FL-M.J.) CONN. PCE.
1-10" (PE-M.J.) CONN. PCE.
1' OF 10" C.I. PIPE
BLOCKING - SEE SH. # 13

STA. 0+30
1-22½° BEND - LT.
BLOCKING - SEE DETAIL SH. #13

STA. 11+67
1-16"x6" CROSS (6" FL & SKEWED AS SHOWN
2-6" (FL-M.J. VALVES & BOXES "B"
1-6"x6" CI. TEE (BRANCH FL)
1-6" C.I. PLUG
22' OF 6" C.I. PIPE
1-FIRE HYDRANT

MATCH LINE - STA. 14+09

RD. N.W.

SAN S

5100
5090
5080

16" C.CYL. WATER LINE

S=0.002985

BEND UP 0° 31'

S=0.0083

BEND DOWN 0°54'

S=0.0080

BEND UP 0° 24'

S=0.002143

BEND UP 0° 11'

S=0.001111

TOWN OF ATRISCO GRANT

TR. 211

TR. 260

TR. 259

DRIVE

CITY N.W. LIMITS

HANOVER

ESTANCIA

BRAYTON

GLENRIO HEIGHTS ADD.

ROAD N.W.

MATCH LINE - STA. 14+09

MATCH LINE - STA. 76+08

STA. 16+35
16"x6" TEE (6" FL & SKEWED AS SHOWN
1-6" (FL-M.J) VALVE & BOX "B"

STA. 17+45
1-16"x6" TEE - (6" FL & SKEWED AS SHOWN)
1-6" (FL-M.J.) VALVE & BOX "B"
CONNECT TO EXISTING 6" C.I.
BURIED END VALVE & BOX

RETURN TO CITY

11' OF 6" C.I. PIPE
1-6" C.I. SLEEVE

STA. 23+22
1-16"x6" CROSS (6" FL & SKEWED AS SHOWN
1-6" (FL-M.J.) VALVES & BOXES "B"
CONNECT TO EX. 6" C.I. W. SLEEVE
@ 16' OF 6" C.I. PIPE

SCALE
HORIZ.- 1" = 50'
VERT.- 1" = 10'

N

GENERAL NOTES

1. ANY COUPLINGS, SLEEVES, ADAPTERS, CONNECTING PIECES, BUTT STRAPS, ETC., NECESSARY FOR CLOSURES, CONNECTIONS, ETC., ON ALTERNATE PIPE BIDS, SHALL BE INCLUDED IN THE PAYMENT FOR MAINLINE PIPE IN PLACE.
2. PROVIDING THAT ELEVATIONS, AS SHOWN ON PROFILE AT STATIONS, ARE ADHERED TO. THE FOLLOWING IS PERMISSIBLE: SMALL HORIZONTAL & VERTICAL DEFLECTIONS NOT EXCEEDING 5° MAY BE MADE BY PULLED JOINTS, A SERIES OF SHORT PIECES, OR BEVELLED JOINTS, NOT EXCEEDING MANUFACTURER'S ALLOWABLE. DEFLECTIONS GREATER THAN 5° MAY BE MADE BY MANUFACTURED FITTINGS OR STANDARD FITTINGS PLUS JOINT DEFLECTION.
3. PIPE - PRESSURE CLASS 150 ALL ALTERNATES

0 | 7 | 36 | 1065 | 02 | 58/11/1 | 58112

PRELIMINARY ____ FINAL X AS-BUILT

REV. BY: A.T.S. DATE

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING

TITLE WATER TRANSMISSION LINES-1965
LINE "G"

DESIGNED ____ DRAWN A.T.S.
DATE ____ DATE ____
RECOMMENDED ____ APPROVED ____
DATE ____ DATE ____
FILE NO. ____ SHEET 10 OF 17 SHEETS

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 FRANK J. BAILEY NEW MEXICO

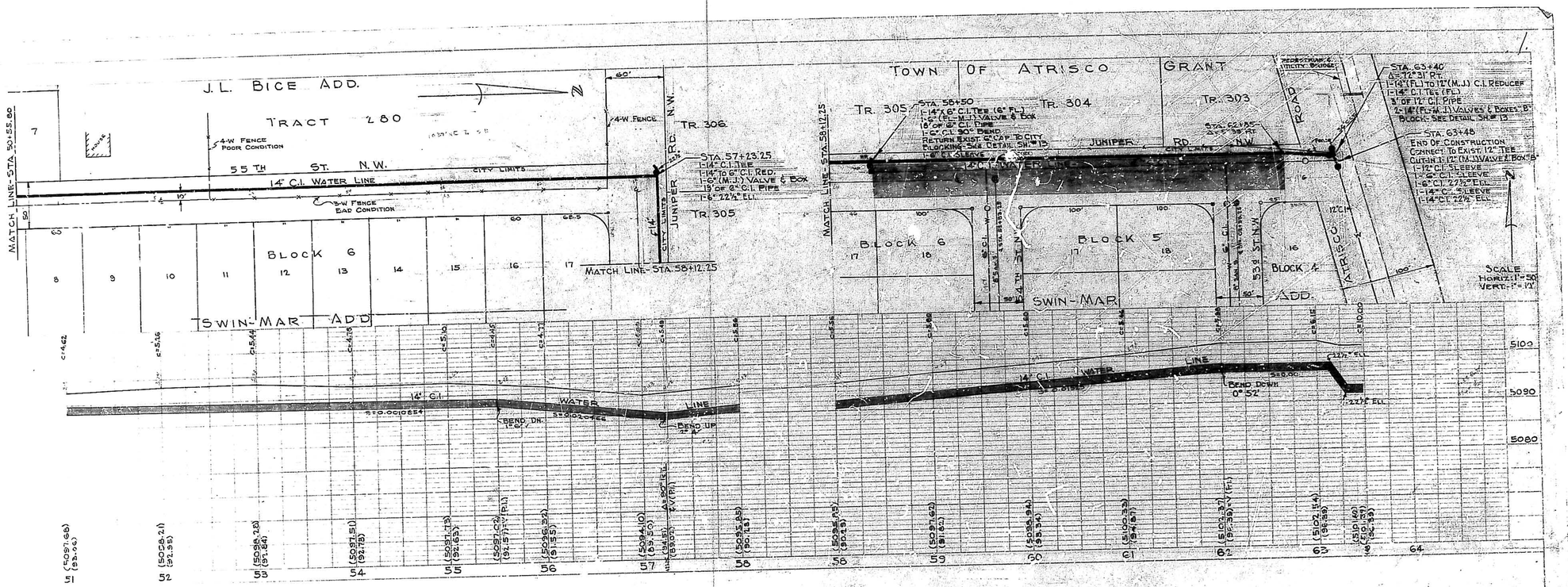
CAUTION - GAS LINES
BEFORE EXCAVATING CALL SOUTHERN UNION GAS CO. 247-4101 EXT 31 OR 32

NOTICE
SANITARY FACILITIES MUST BE PROVIDED OF EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2-11.

NOTE: CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION OF THE STARTING DATE AND NUMBER OF WORKING DAYS FOR COMPLETION

CAUTION!
BURIED CABLES BEFORE EXCAVATING CALL TEL. CO. EXT. WYN

PLATE 2 - PLAN-PROFILE U. P. R. & I. E. STANDARDS
THE FREDERICK POST CO., CHICAGO



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
0	9	/	1	3	6	/	1	2	6	5																	5	9

NOTICE
SANITARY FACILITIES MUST BE PROVIDED ON EACH CONSTRUCTION JOB. CITY ORDINANCE SEC. 2-A11

CAUTION!
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BEFORE EXCAVATING
CALL TEL. CO. EXC. 1171

NOTE — CONTRACTOR MUST NOTIFY THE SUPERINTENDENT OF BUILDING AND INSPECTION DIVISION, UPON STARTING, DATE AND NUMBER OF WEATHER WORKING DAYS FOR COMPLETION

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 3451 NEW MEXICO FRANK J. KELLY

PRELIMINARY	FINAL X	AS-BUILT
REV. BY A.T.S.	DATE	

CITY OF ALBUQUERQUE
NEW MEXICO
WATER ENGINEERING

TITLE
WATER TRANSMISSION LINES-1965
LINE "G"

DESIGNED		DRAWN	A.T.S.
DATE		DATE	
RECOMMENDED		APPROVED	
DATE	2-3-1965	DATE	
FILE NO.		SHEET 12 OF 17 SHEETS	

PLATE 2-PLAN-PROFILE o. P. R. R. E. STANDARD
THE FREDERICK POST CO., CHICAGO