RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

1. IRVING STREET IMPROVEMENTS (SH. 3 TO 10)
   (JACKSON TO 700' N'LY VICTORIA)
2. GRATTON STREET IMPROVEMENTS (SH. 11 T0 13)
   (GAGE CANAL TO 150' N'LY DUFFERIN)

CONSTRUCTION LEGEND

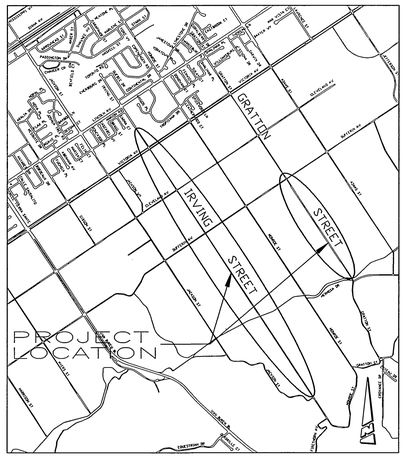
CENTER LINE	℄	TOP OF SLOPE	
RIGHT-OF-WAY	R/W	TOE OF SLOPE	
SUBDIVISION LOT LINE	PL	DIRECTION OF FLOW	

GENERAL CONSTRUCTION NOTES

1. EXISTING UTILITIES, SHOWN ON THIS PLAN, ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
2. PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS A LICENSE.
3. ALL ELEVATIONS, SHOWN ON THE PLANS ,SHALL BE STAKED IN THE FIELD.
4. CONTRACTOR SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DWGS. AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2000 EDITION.
5. PRIOR TO ISSUANCE OF GRADE SHEETS FOR ANY PROPOSED STORM DRAIN FACILITIES, THE CONTRACTOR SHALL EXPOSE ALL UTILITIES WHICH CROSS OR MAY BE IN CONFLICT WITH THE PROPOSED STORM DRAIN FACILITIES AND COORDINATE WITH THE INSPECTOR TO HAVE THE LOCATION AND ELEVATION VERIFIED BY CITY SURVEYORS.
6. NOT ALL OF THE TREES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROTECT ALL TREES WITHIN THE CONSTRUCTION AREA.

SPECIFIC CONSTRUCTION NOTES

- ⬢ NUMBERS, ABOVE 100 IN A HEXAGON ON THE PLAN, REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- ⬡ AC/OL — CONSTRUCT 0.1' AC OVERLAY.
- ⬡ ADJ/GV — ADJUST WATER GATE VALVE COVER TO THE FINISHED GRADE.
- ⬡ E — POWER POLE GUY-WIRES WILL BE RELOCATED BY THE C/R UTILITY DEPARTMENT, ELETRICAL DIVISION.
- ⬡ RAIL — CONSTRUCT METAL BEAM GUARD RAILING WITH WOOD POSTS PER CALTRANS STD. A77A, STD. A77B, AND STD. A77C.
- ⬡ S — CONSTRUCT 0.21' AC PAVEMENT OVER 0.62' THICK OF CRUSHED BASE.
- ⬡ V — CONSTRUCT V-SHAPED ASPHALT CONCRETE DITCH BEHIND AC BERM.



PROJECT LOCATION MAP

0 KM. 1 KM. 2 KM. 3 KM.
0' 1000' 2000' 400' 6000' 8000' 10000' 12000'

SCALE: I" = 2,000'

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

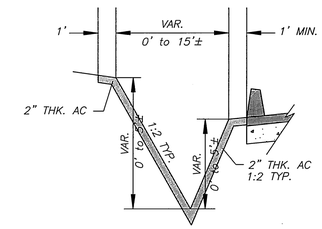
EXISTING UNDERGROUND UTILITIES

SANITARY SEWER	8"S	TELEPHONE CONDUIT	T T
WATER LINE	6"W	ELECTRICAL CONDUIT	E E
STORM DRAIN	24"SD	ELECTROLIER LIGHTING CONDUIT	ELC
GAS LINE	3"G	TRAFFIC SIGNAL	SIG SIG
ABANDONDED UTILITY	6"G(ABAN'D.)	FIRE ALARM	F F

EXISTING TOPOGRAPHY

- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW

- SANITARY SEWER M.H.
- SANITARY SEWER CLEANOUT
- STORM DRAIN M.H.
- IRRIGATION WEIR
- WATER M.H.
- GAS M.H.
- ELECTRIC M.H.
- TELEPHONE M.H.
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- AIR VALVE
- AIR VENT
- BUS STOP SIGN
- BLOW-OFF VALVE
- IRRIGATION STAND PIPE
- CONCRETE
- ASPHALT
- BUILDING
- EDGE OF PAVEMENT
- POLE & GUY ANCHOR
- POWER POLE
- TELEPHONE POLE
- TELEPHONE RISER
- JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- GAS METER
- MAIL BOX
- FAUCET
- WALK-DON'T WALK PEDESTRIAN SIGNAL
- ELECTROLYSIS TEST STATION
- WHEEL STOP
- A.C. BERM
- PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESSURE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT ON MAST ARM
- STEEL POST
- WOOD POST



V-SHAPED DITCH DETAIL

(NTS)

LOCATION:
1. SW AND SE OF IRVING ST. AND VICTORIA AVE.
2. SW, NW, SE, AND NE OF IRVING ST. AND DUFFERIN AVE.
3. SW, NW, SE, AND NE OF GRATTON ST. AND DUFFERIN AVE.
4. ANY LOCATION FOR DRAINAGE PURPOSE.

*AS-BUILT 8-28-03 GH

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call
CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

BENCHMARK
POINT ID: E5-B2
ELEVATION: 1004.871
DESCRIPTION:
P.K. NAIL IN THE NORTHERLY END OF THE EASTERLY HEADWALL OF THE GAGE CANAL BRIDGE AT JACKSON STREET.

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/16/01

REGISTERED PROFESSIONAL ENGINEER — MICHAEL KATUSIAN — No. 36686 Exp. 6-30-2004 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER		11/27/01
INSPECTION		11/27/01
SURVEYOR		11/20/01
STREET SERVICES		11/27/01
TRAFFIC ENGINEER		11/16/01
PARK & REC. DEPT.		11/16/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 11/16/01

IRVING AND GRATTON STREETS IMPROVEMENTS

HORIZ. SCALE: 1" = 20'

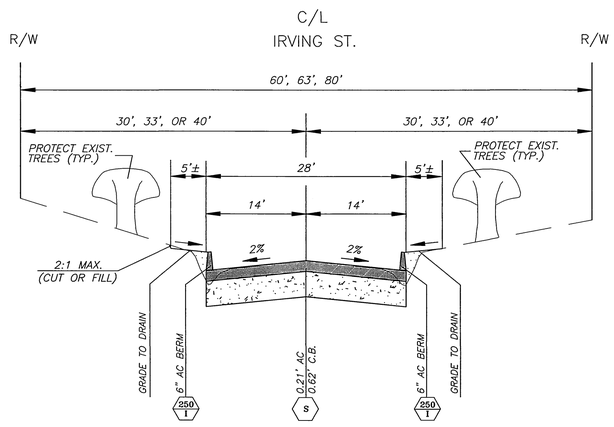
ACCT. NO.: 9537627152-440223XX
9537527152-440223XX

R-3604

SHEET 1 OF 13

FILE: \G\FRANK\DWG\R3604-01
PARK & REC. : PC4377P

INDEXED 1-03-02 GH

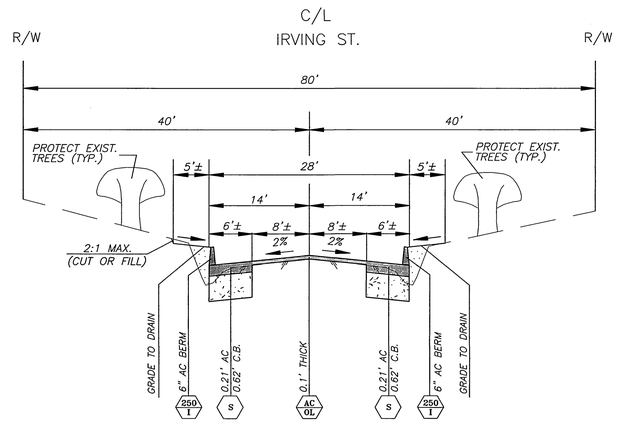


IRVING STREET TYPICAL SECTION

(NTS)

NOTE:

1. FROM STA. 45+30 TO 88+80
2. FROM STA. 98+73 TO 128+08

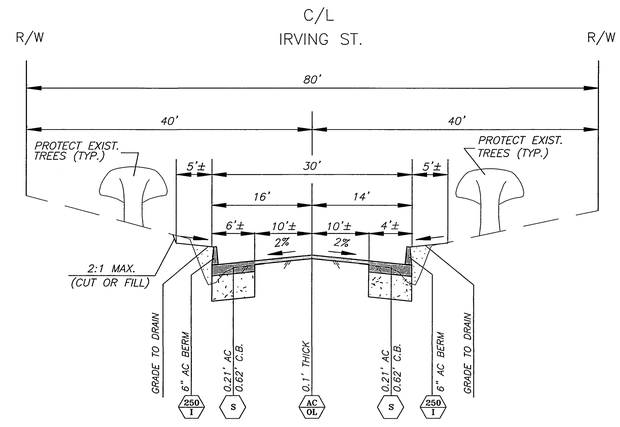


IRVING STREET TYPICAL SECTION

(NTS)

NOTE:

1. FROM STA. 88+80 TO 98+73.

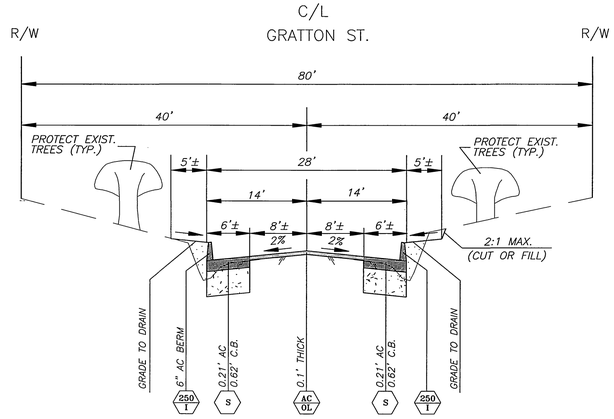


IRVING STREET TYPICAL SECTION

(NTS)

NOTE:

1. FROM VICTORIA AVE. TO 700' NORTHERLY.

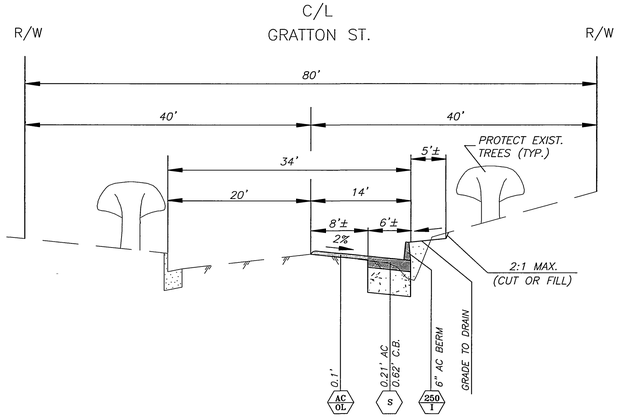


GRATTON STREET TYPICAL SECTION

(NTS)

NOTE:

1. FROM STA. 66+80 TO 72+40

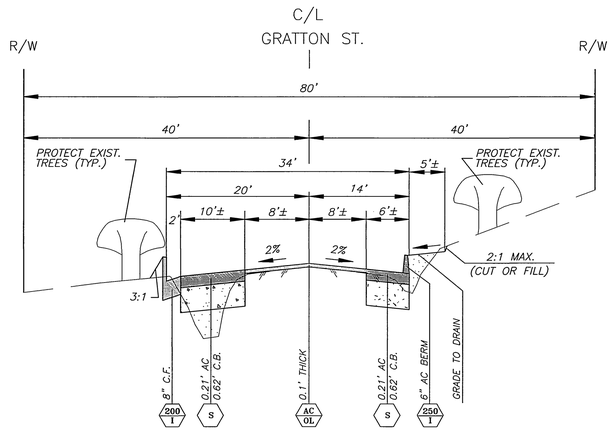


GRATTON STREET TYPICAL SECTION

(NTS)

NOTE:

1. FROM STA. 72+40 TO 97+70



GRATTON STREET TYPICAL SECTION

(NTS)

NOTE:

1. FROM STA. 97+70 TO 99+95

* AS-BUILT 8-28-03 GH

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/6/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6-30-2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER	JC	11/07/2001
INSPECTION	EE	11/13/01
SURVEYOR	[illegible]	11/7/01
STREET SERVICES	[illegible]	11/27/01
TRAFFIC ENGINEER	[illegible]	11/16/01
PARK & REC. DEPT.	[illegible]	11/16/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

TYPICAL SECTIONS

HORIZ. SCALE: 1" = 20'

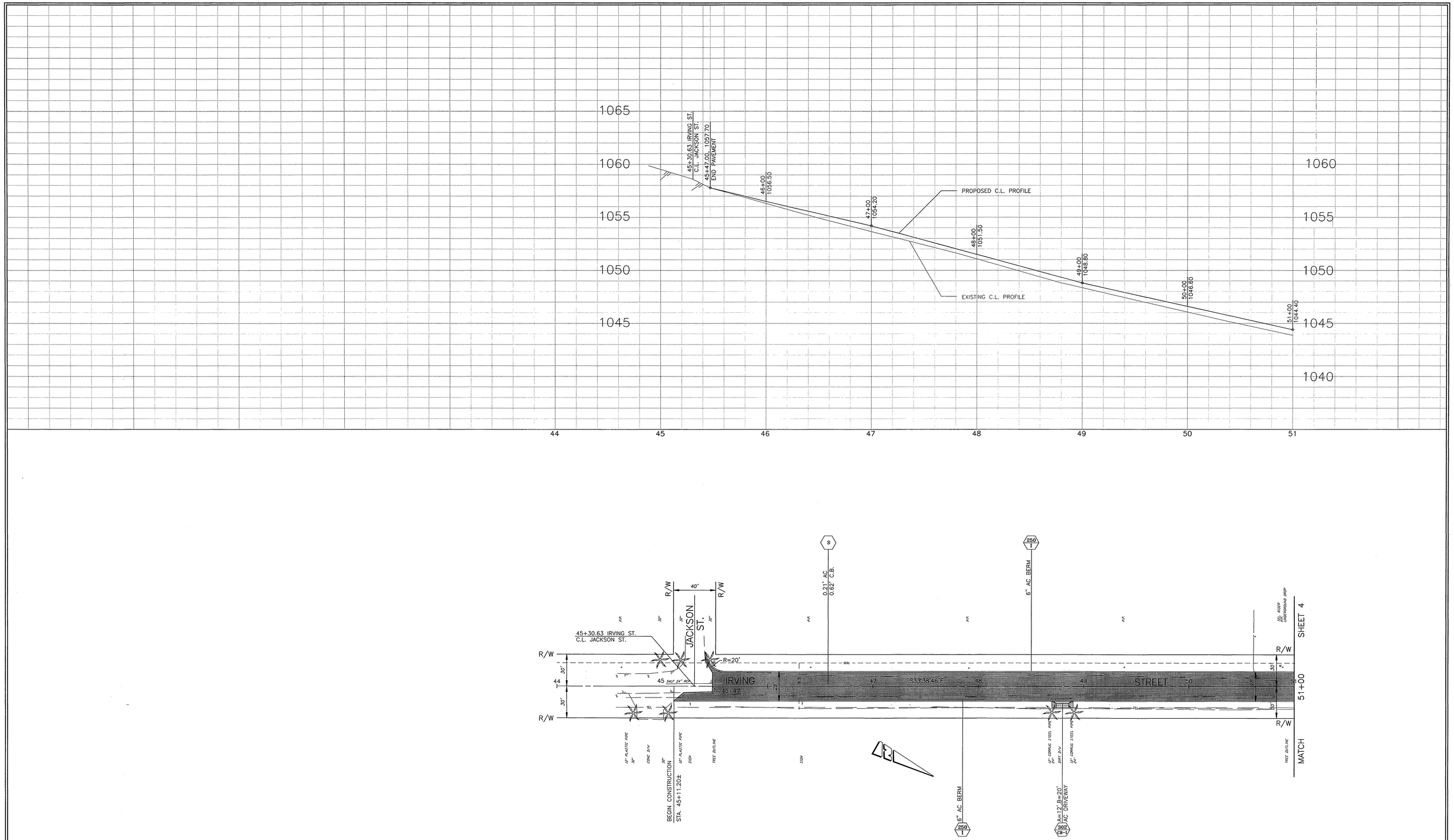
ACCT. NO.: 9537627152-440223XX
9537527152-440223XX

R-3604

SHEET 2 OF 13

FILE: \G\FRANK\DWG\R3604-02
PARK & REC. : PC4377P

INDEXED 1-03-02 GH



*AS-BUILT 8-28-03 4H

BENCHMARK

POINT ID: E5-B2
ELEVATION: 1004.871
DESCRIPTION:
P.K. NAIL IN THE NORTHERLY END OF THE EASTERLY HEADWALL OF THE GAGE CANAL BRIDGE AT JACKSON STREET.

ENGINEER IN RESPONSIBLE CHARGE
Michael Katusian
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/16/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER	[illegible]	11/27/2001
INSPECTION	[illegible]	11/27/01
SURVEYOR	[illegible]	11/20/01
STREET SERVICES	[illegible]	11/27/01
TRAFFIC DIVISION	[illegible]	11/16/01
PARK & REC. DEPT.	[illegible]	11/16/01

APPROVED BY
Tom Boyd
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

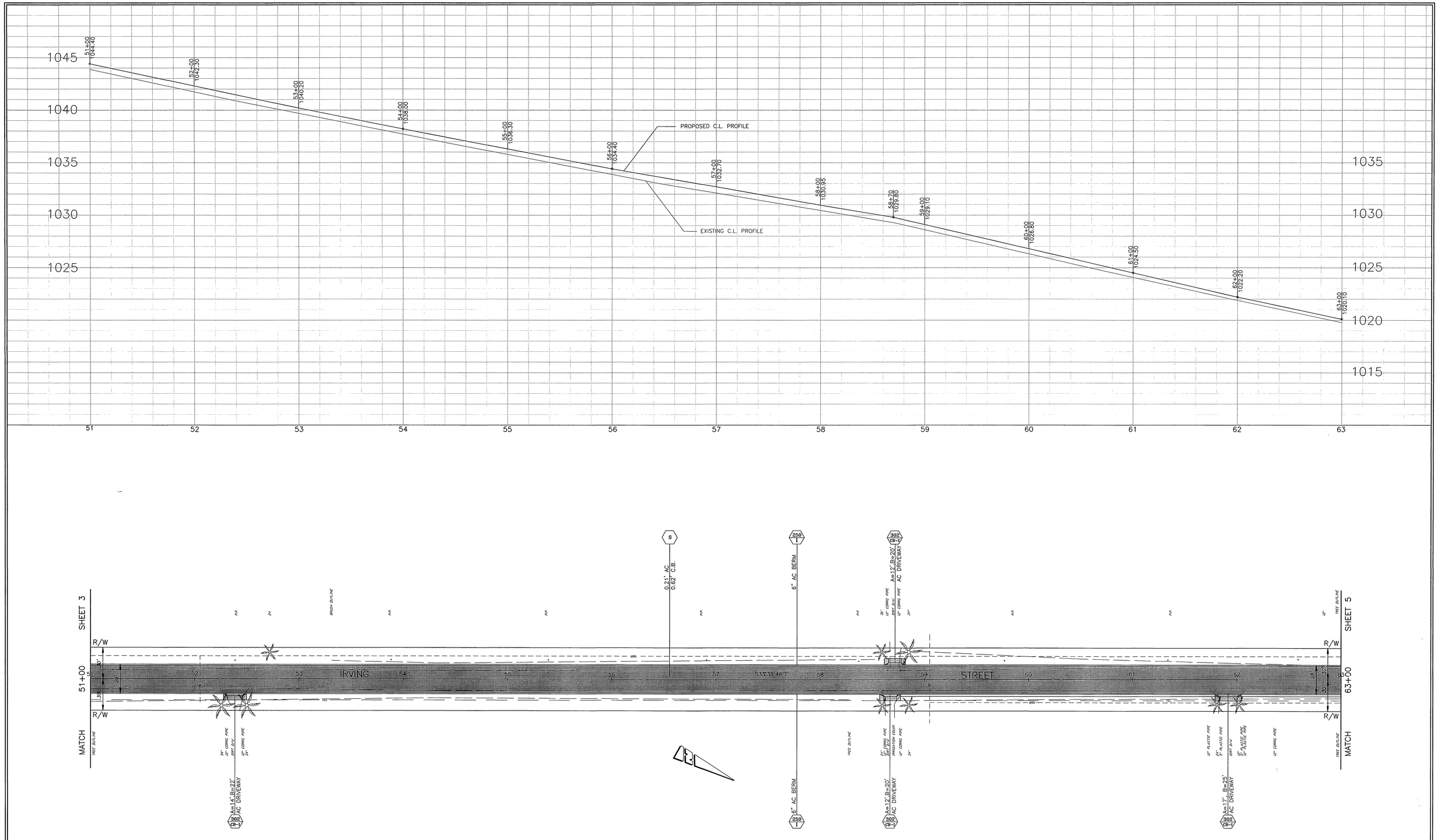
ACCT. NO.: 9537627152-440223XX

R-3604

SHEET 3 OF 13

FILE: \G\FRANK\DWG\R3604-03
PARK & REC. : PC4377P

INDEXED 1-03-02 4H



* AS-BUILT 8-28-03 4H

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 8/30/2004
DATE 11/16/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER		11/27/2001
INSPECTION		11/27/01
SURVEYOR		11/26/01
STREET SERVICES		11/27/01
TRAFFIC DIVISION		11/16/01
PARK & REC. DEPT.		11/16/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

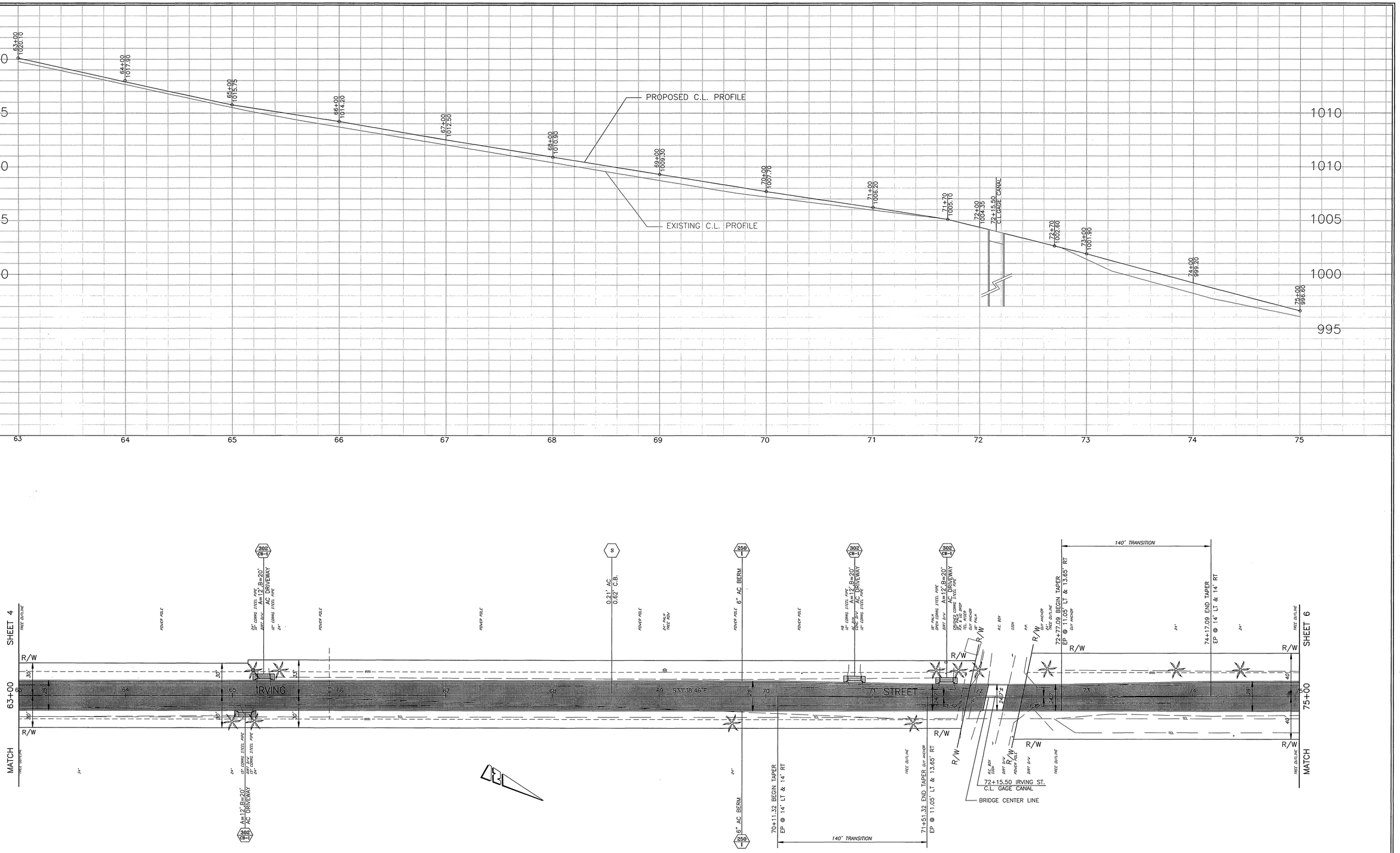
ACCT. NO.: 9537627152-440223XX

R-3604

SHEET 4 OF 13

FILE: \G\FRANK\DWG\R3604-04
PARK & REC. : PC4377P

INDEXED 1-03-02 4H



*AS-BUILT 8-28-03 4H

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/16/01

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6/30/2004 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER		11/27/2001
INSPECTION		11/27/01
SURVEYOR		11/20/01
STREET SERVICES		11/27/01
TRAFFIC DIVISION		11/16/01
PARK & REC. DEPT.		11/16/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

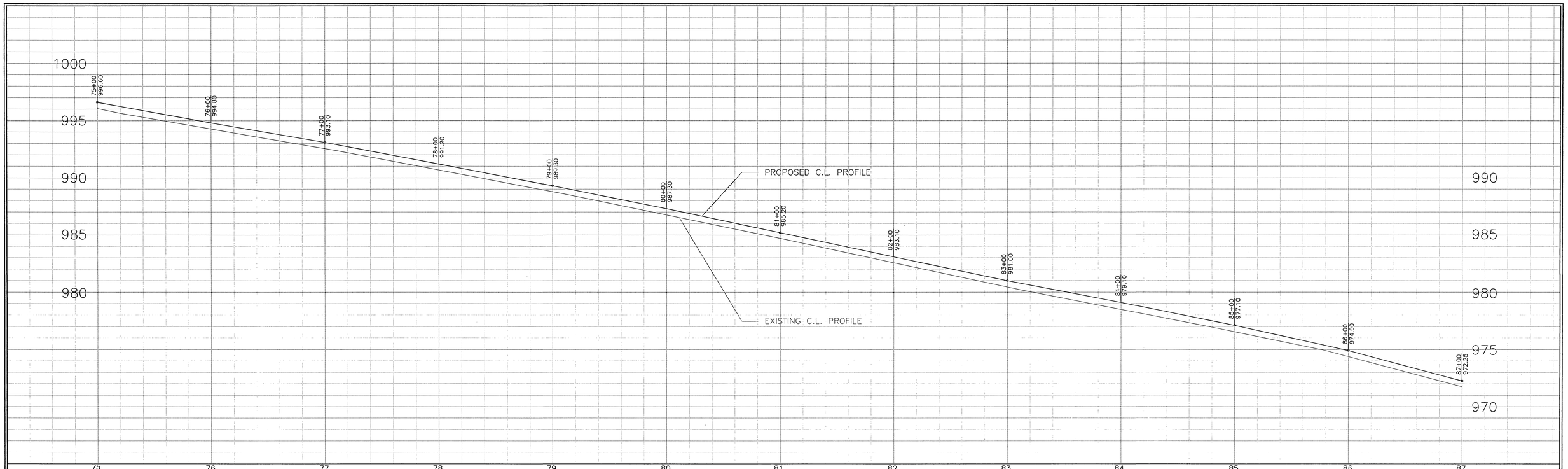
ACCT. NO.: 9537627152-440223XX

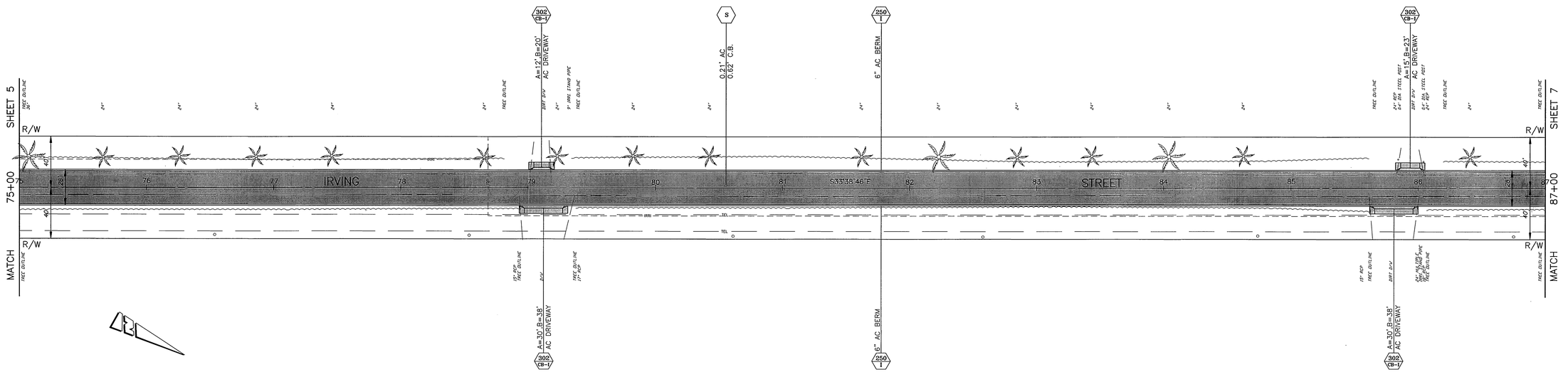
R-3604

SHEET 5 OF 13

FILE: \C\FRANK\DWG\R3604-05
PARK & REC. : PC4377P

INDEXED 1-03-02 4H





ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686/expires 6/30/2004
DATE 11/19/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER		
INSPECTION		
SURVEYOR		
STREET SERVICES		
TRAFFIC DIVISION		
PARK & REC. DEPT.		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

ACCT. NO.: 9537627152-440223XX

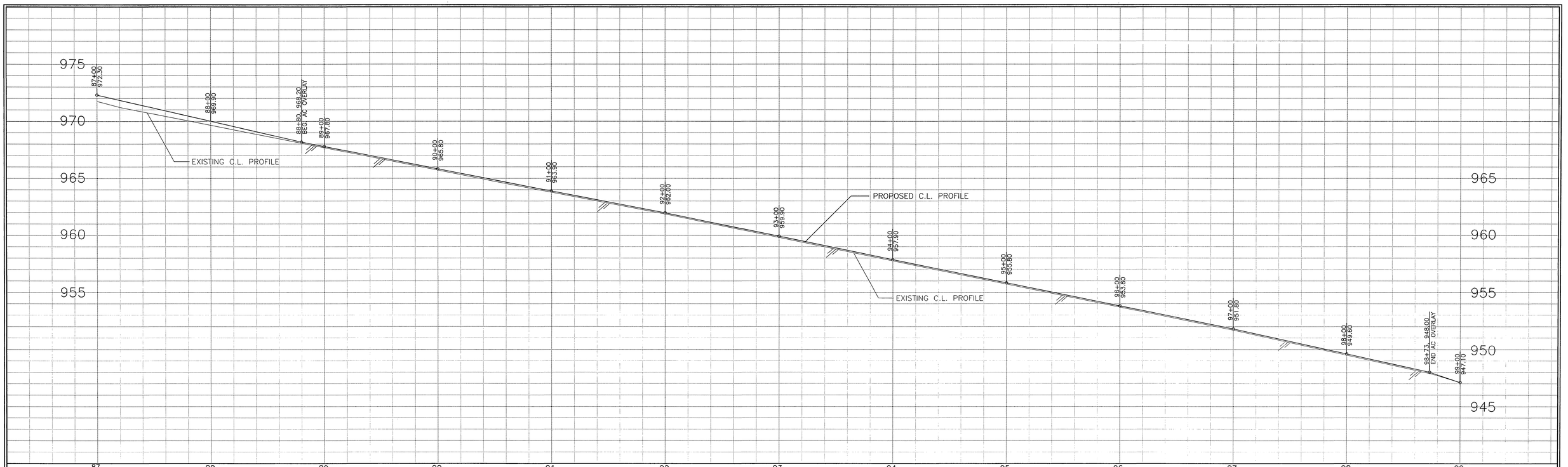
R-3604

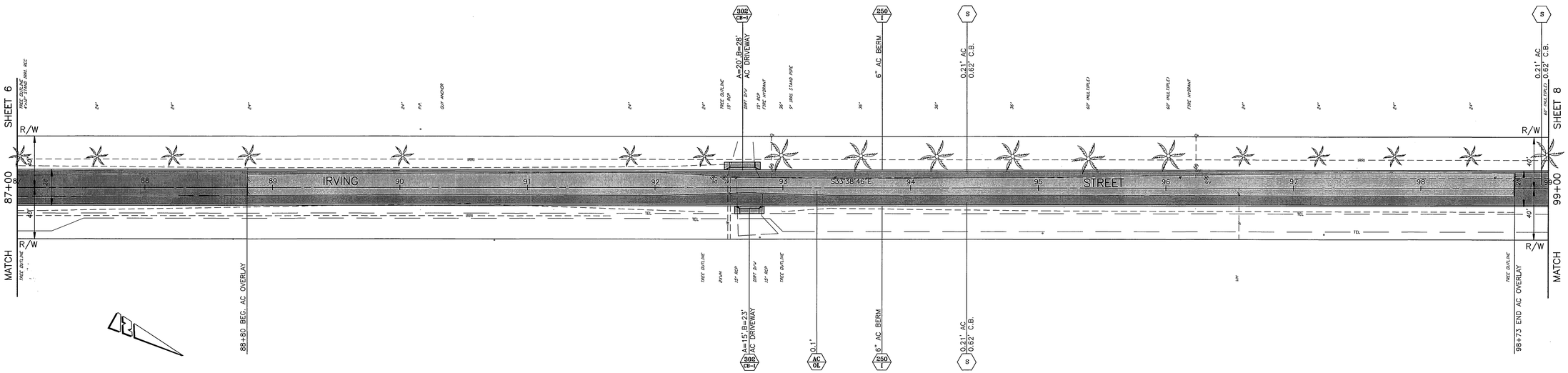
SHEET 6 OF 13

FILE: \G\FRANK\DWG\R3604-06
PARK & REC. : PC4377P

* AS-BUILT 8-28-03 FH

INDEXED 1-03-02 FH





* AS-BUILT 8-28-03 GH

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/9/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER	JC	11/27/2001
INSPECTION	JC	11/27/01
SURVEYOR	[illegible]	11/26/01
STREET SERVICES	[illegible]	11/27/01
TRAFFIC DIVISION	[illegible]	11/26/01
PARK & REC. DEPT.	[illegible]	11/26/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

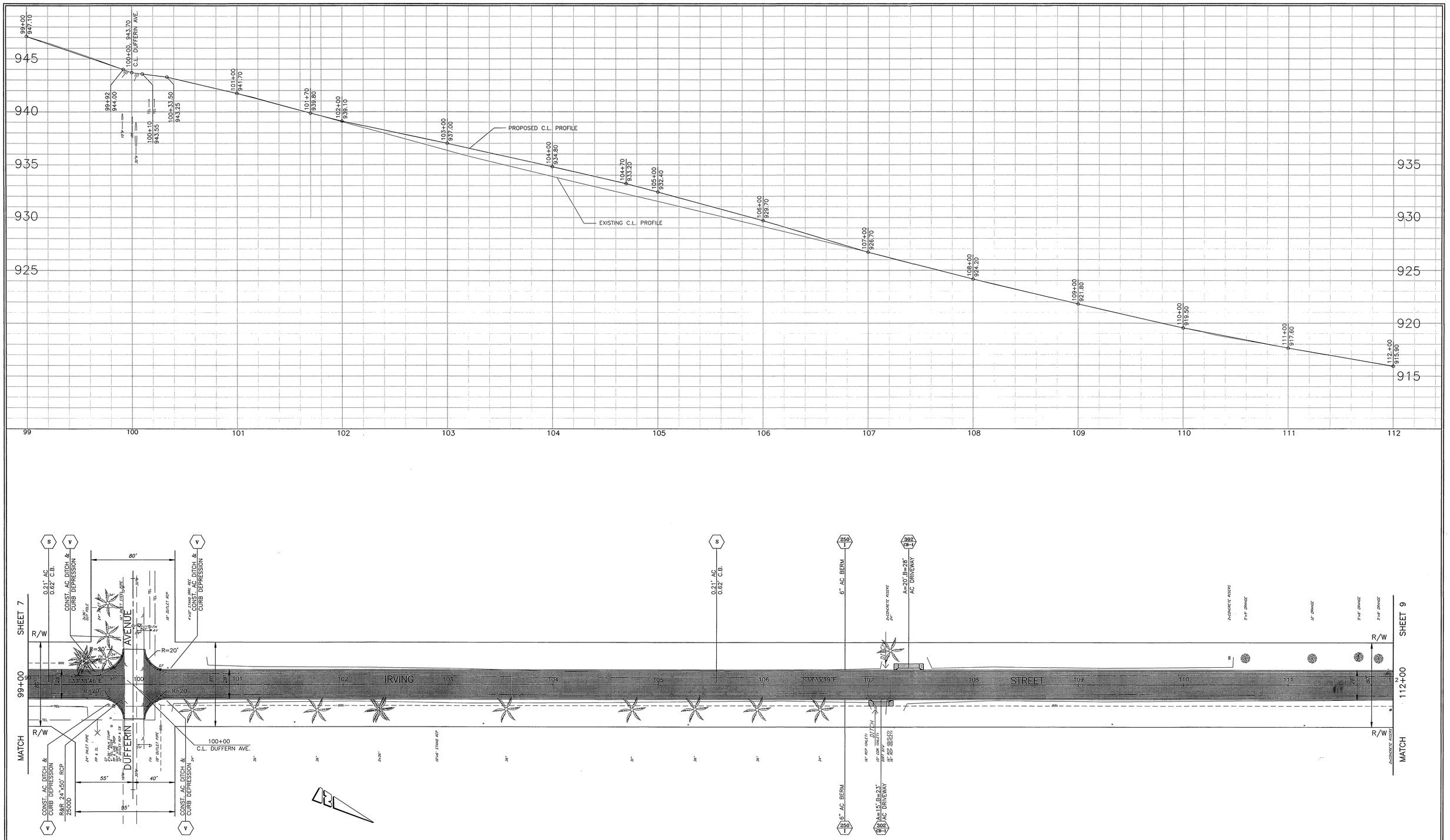
ACCT. NO.: 9537627152-440223XX

R-3604

SHEET 7 OF 13

FILE: \G\FRANK\DWG\R3604-07
PARK & REC. : PC4377P

INDEXED 1-03-02 GH



*AS-BUILT 8-28-03 4H

ENGINEER IN RESPONSIBLE CHARGE

MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/16/01

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6/30/2004 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER		11/27/2001
INSPECTION		11/27/01
SURVEYOR		11/28/01
STREET SERVICES		11/27/01
TRAFFIC DIVISION		11/16/01
PARK & REC. DEPT.		11/16/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

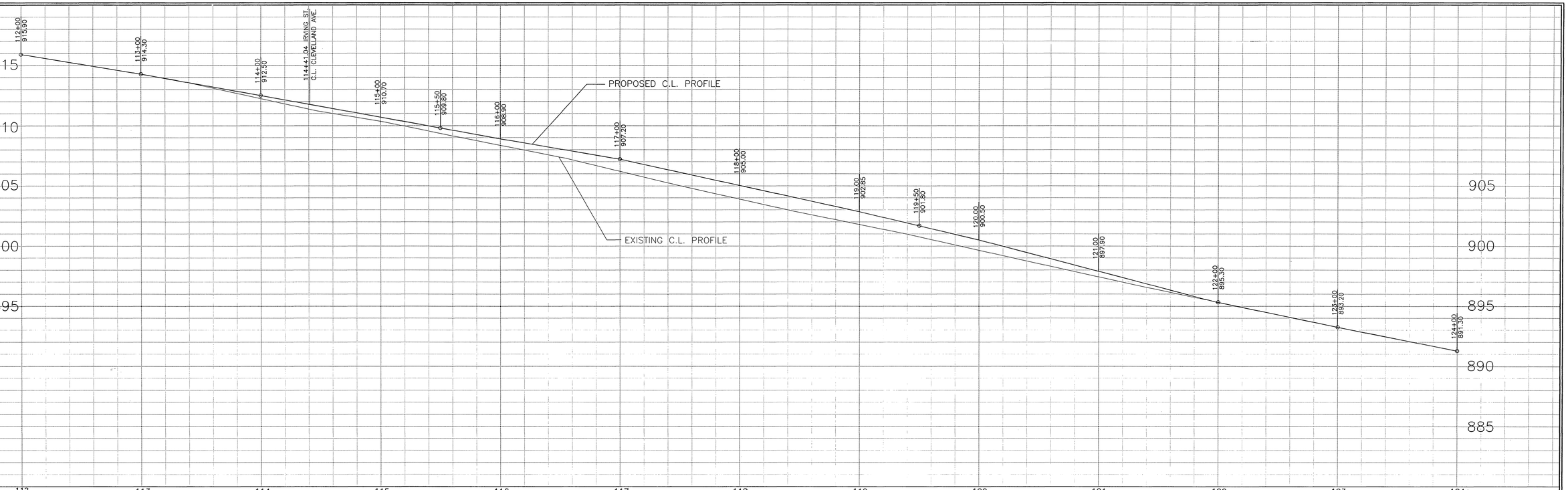
ACCT. NO.: 9537627152-440223XX

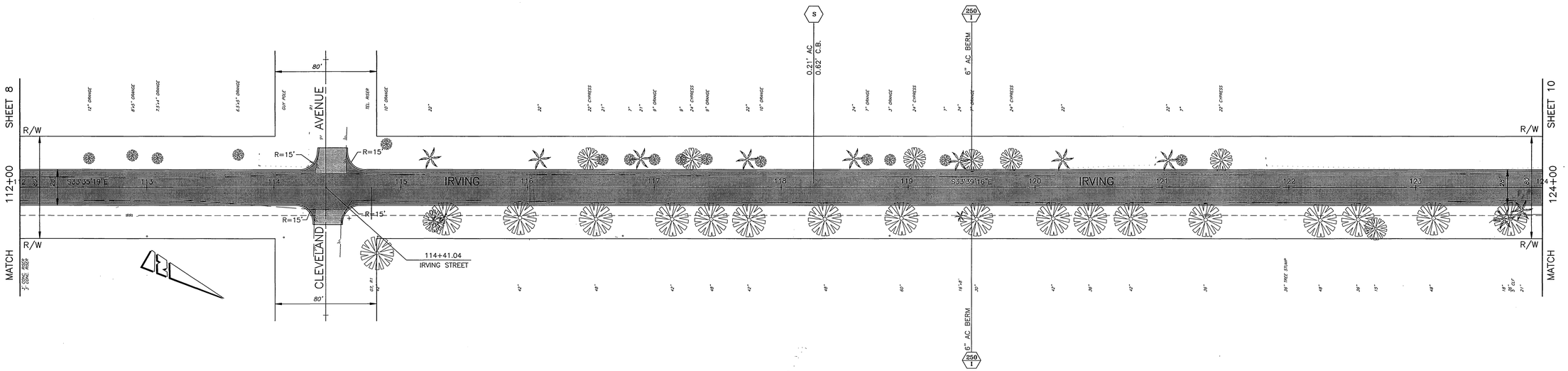
R-3604

SHEET 8 OF 13

FILE: \G\FRANK\DWG\R3604-08
PARK & REC. : PC4377P

INDEXED 1-03-02 4H





*AS-BUILT 8-28-03 GH

ENGINEER IN RESPONSIBLE CHARGE
Michael Katusian
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/6/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER	RE	11/20/01
INSPECTION	[illegible]	11/20/01
SURVEYOR	[illegible]	11/20/01
STREET SERVICES	[illegible]	11/16/01
TRAFFIC DIVISION	[illegible]	11/16/01
PARK & REC. DEPT.	[illegible]	11/16/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

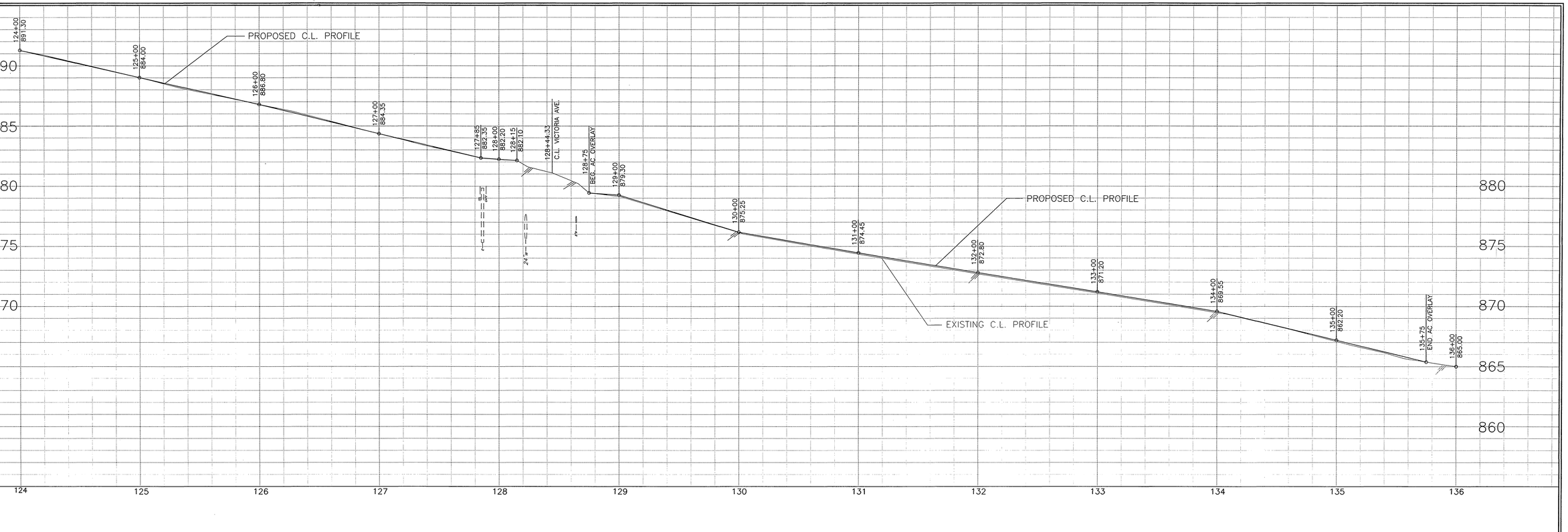
ACCT. NO.: 953762715Z-440223XX

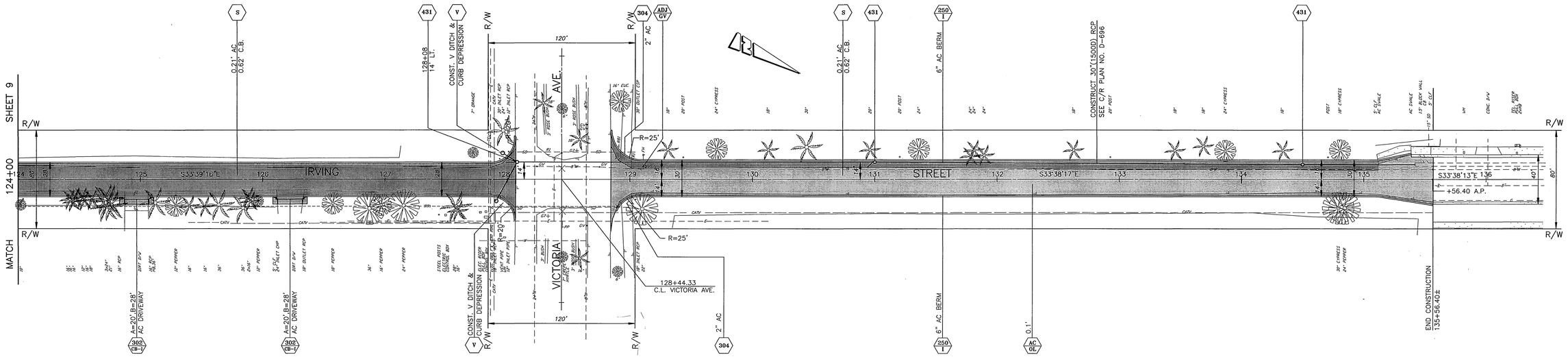
R-3604

SHEET 9 OF 13

FILE: \G\FRANK\DWG\R3604-09
PARK & REC. : PCA377P

INDEXED 1-03-02 GH





*AS-BUILT 8-28-03 GH

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 Expires 6/30/2004
DATE 11/19/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER	MK	11/27/01
INSPECTION		11/28/01
SURVEYOR	MK	11/28/01
STREET SERVICES	DC	11/28/01
TRAFFIC DIVISION	DC	11/28/01
PARK & REC. DEPT.	RS	11/28/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

IRVING STREET

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

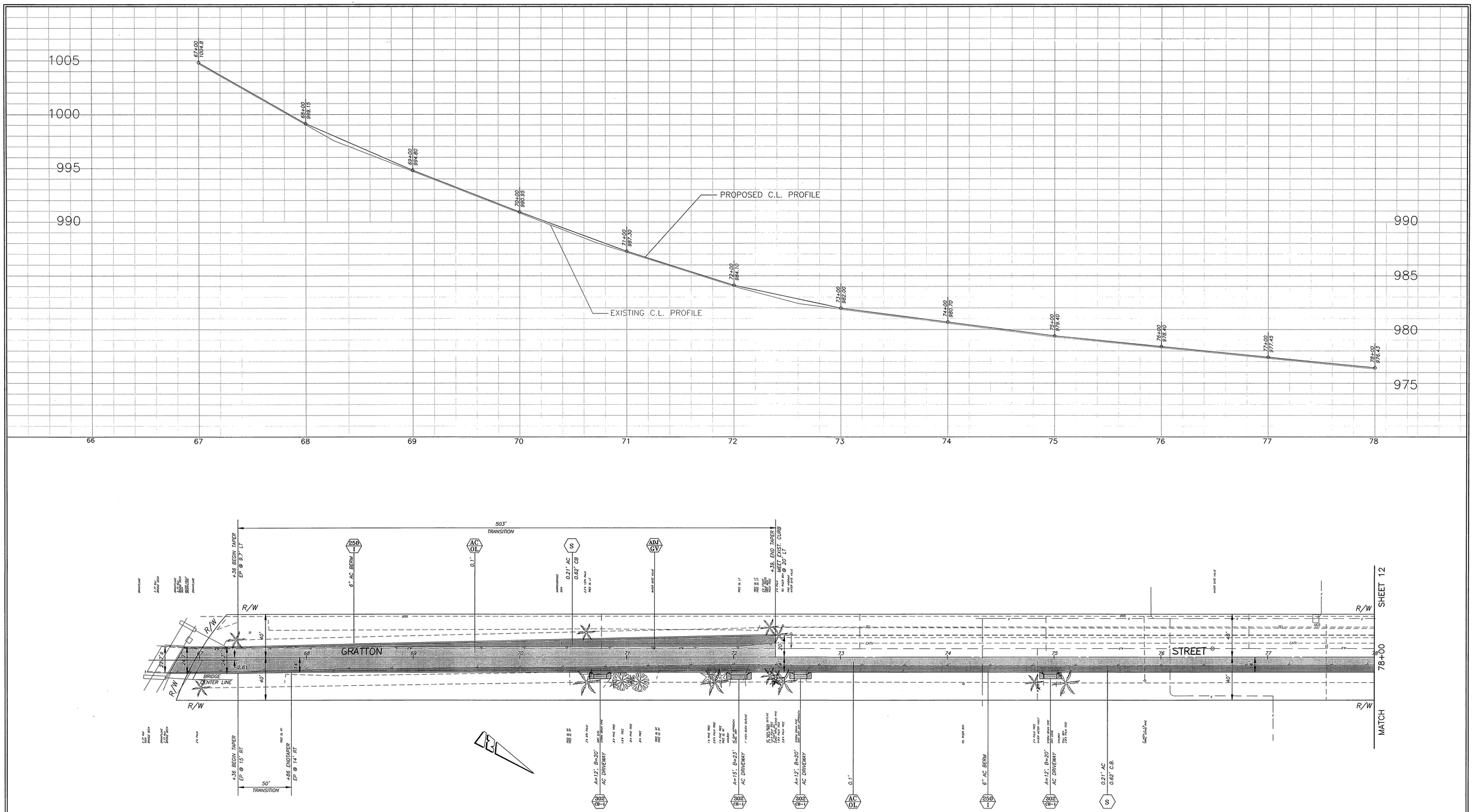
ACCT. NO.: 9537627152-440223XX

R-3604

SHEET 10 OF 13

FILE: \G\FRANK\DWG\R3604-04
PARK & REC. : PC4377P

INDEXED 1-03-02 GH



*AS-BUILT 8-28-03 HH

BENCHMARK	ENGINEER IN RESPONSIBLE CHARGE	REGISTERED PROFESSIONAL ENGINEER
POINT ID: E5-B2 ELEVATION: 1004.871 DESCRIPTION: P.K. NAIL IN THE NORTHERLY END OF THE EASTERLY HEADWALL OF THE GAGE CANAL BRIDGE AT JACKSON STREET.	MICHAEL KATUSIAN R.C.E. No. 36686 expires 6/30/2004 DATE 11/6/01	MICHAEL KATUSIAN No. 36686 Exp. 6/30/2004 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER	HH	11/7/2001
INSPECTION	FYL	11/7/2001
SURVEYOR	[illegible]	11/7/01
STREET SERVICES	[illegible]	11/7/01
TRAFFIC DIVISION	[illegible]	11/16/01
PARK & REC. DEPT.	[illegible]	11/16/01

APPROVED BY [signature] PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

GRATTON STREET

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

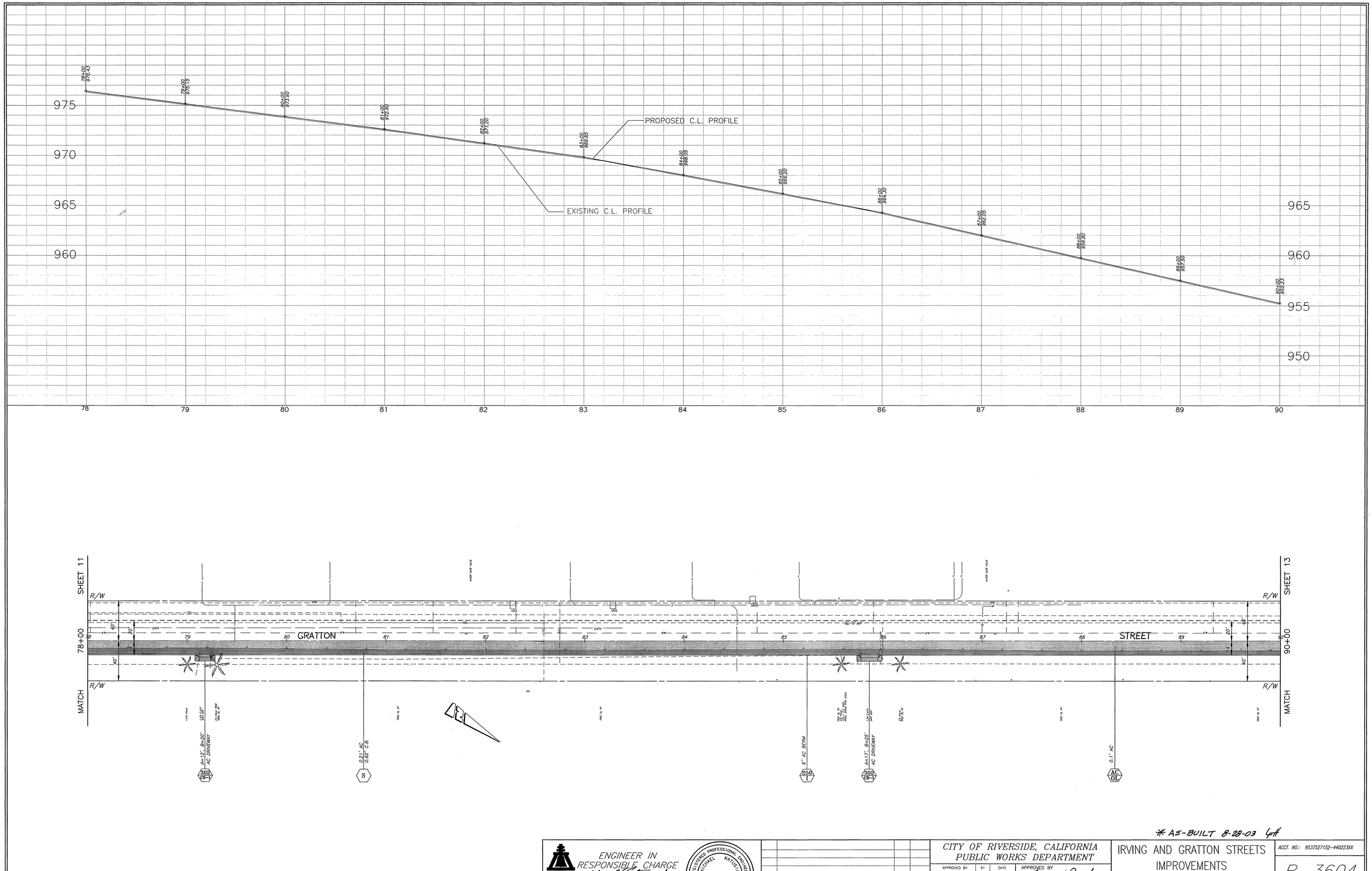
ACCT. NO.: 9537527152-440223XX

R-3604

SHEET 11 OF 13

FILE: \G\FRANK\DWG\R3604-11
PARK & REC. : PCA3779

INDEXED 1-03-02 HH



* AS-BUILT 8-29-03 GH

ENGINEER IN RESPONSIBLE CHARGE

MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/6/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER		11/27/2001
INSPECTION		11/27/01
SURVEYOR		11/26/01
STREET SERVICES		11/27/01
TRAFFIC DIVISION		11/26/01
PARK & REC. DEPT.		11/26/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

GRATTON STREET

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

ACCT. NO.: 9537527152-440223XX

R-3604

SHEET 12 OF 13

FILE: \G\FRANK\DWG\R3604-12
PARK & REC. : PC4377P

INDEXED 1-03-02 GH

PROPOSED C.L.PROFILE

EXISTING C.L. PROFILE

PROPOSED LEFT TC PROFILE

EXIST. GROUND PROFILE 20' LT. FROM C.L.

10' 6" TO 8" C.F. TRANS.

GRATTON STREET

DUFFERIN AVENUE

24"x41"RCP (2500D)
24"x43"RCP (2500D)

100+00 GRATTON ST.
C.L. DUFFERIN AVE.

SHEET 12

MATCH 90+00

*AS-BUILT 8-28-03 GH

INDEXED 1-03-02 GH

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/14/01

REGISTERED PROFESSIONAL ENGINEER
MICHAEL KATUSIAN
No. 36686
Exp. 6/30/2004
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER	RC	11/27/01
INSPECTION	RC	11/27/01
SURVEYOR	JWP	11/28/01
STREET SERVICES	JW	11/27/01
TRAFFIC DIVISION	E	11/28/01
PARK & REC. DEPT.	RG	11/28/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

IRVING AND GRATTON STREETS IMPROVEMENTS

GRATTON STREET

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

ACCT. NO.: 9537527152-440223XX

R-3604

SHEET 13 OF 13

FILE: \G\FRANK\DWG\R3604-13
PARK & REC. : PC4377P