RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

INCORPORATED 1883

PUBLIC WORKS DEPARTMENT

PENNSYLVANIA AVENUE WIDENING

Chicago Avenue To 60 Freeway

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. IF THE COVER OF A UTILITY IS KNOWN, IT IS SHOWN IN THE PROFILE. UTILITIES IN THE PROFILE AS — — — — —<> INDICATES THAT THE COVER HAS NOT BEEN POTHOLED FOR EXACT COVER, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
3. PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS "A" LICENSE.
4. THE TERM "TO BE REMOVED, RELOCATED OR ADJUSTED BY OTHERS" REFERS TO THE FOLLOWING RESPONSIBLE UTILITY:
   1. ELECTRICAL – CITY OF RIVERSIDE, ELECTRIC DEPARTMENT.
   2. WATER – CITY OF RIVERSIDE, WATER DEPARTMENT.
   3. GAS – SOUTHERN CALIFORNIA GAS COMPANY.
   4. TELEPHONE – PACIFIC BELL.
5. FOR DESPOSITION OF EXISTING AND NEW SIGNS, SEE PLAN XL-296.
6. (Revision 2) SEE *SIGNAL* PLAN X-511 FOR TRAFFIC SIGNAL WORK.
7. SEE PLAN XL-449 FOR SIGNING AND STRIPING.

SPECIFIC CONSTRUCTION NOTES

- (solid hexagon) 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.
- (1) REMOVE EXISTING PAVEMENT.
- (2) REMOVE EXISTING PAVEMENT AND REPLACE WITH 0.35' ASPHALT CONCRETE OVER 0.75' CRUSHED AGGREGATE BASE.
- (3) REMOVE EXISTING PAVEMENT AND REPLACE WITH 0.35' ASPHALT CONCRETE OVER 0.40' CRUSHED AGGREGATE BASE.
- (4) CONSTRUCT 0.35' ASPHALT CONCRETE OVER 0.75' CRUSHED AGGREGATE BASE.
- (5) CONSTRUCT 0.35' ASPHALT CONCRETE OVER 0.40' CRUSHED AGGREGATE BASE.
- (6) REMOVE EXISTING PAVEMENT AND REPLACE WITH 0.75' ASPHALT CONCRETE OVER COMPACTED NATIVE.
- (7) CONSTRUCT 0.75' ASPHALT CONCRETE OVER COMPACTED NATIVE.
- (8) REMOVE EXISTING PAVEMENT AND REPLACE WITH VARIABLE THICKNESS ASPHALT CONCRETE OVER P.C.C. CANAL COVER.
- (9) CONSTRUCT VARIABLE THICKNESS ASPHALT CONCRETE OVER P.C.C. CANAL COVER.
- (304/M) ROTATE WHEEL CHAIR RAMP 10° COUNTER CLOCKWISE OF M.O.C.
- (380) INSTALL 5' CHAIN LINK FENCE WITH 3 WIRE ARM, CAP & BARBED WIRE @ R/W.
- (380/M) INSTALL 6' CHAIN LINK FENCE WITH 3 WIRE ARM, CAP & BARBED WIRE @ R/W.
- (405/M) CONSTRUCT CATCH BASIN PER STANDARD DRAWING 405, LATERAL LOCATION TO BE AS SHOWN ON PLANS.
- (430/M) RECONSTRUCT MANHOLE PER STANDARD DRAWING 430. USE BOX DIMENSIONS, WALL THICKNESS AND REINFORCEMENT FOR D_2=60" TO PROVIDE ADEQUATE OFFSET OF MANHOLE COVER BEHIND P.C.C. CURB.
- (500/M) ADJUST MANHOLE COVER TO GRADE BY ADJUSTING THE HEIGHT OF THE 4' DIA. RISER SHAFT PER STANDARD DRAWING 500.
- (N8-B/C) CONSTRUCT WHEEL CHAIR RAMP PER STATE STANDARD (Revision 1) N8-B, CASE C.

GENERAL STREET TREE PLANTING AND RELOCATION NOTES

1. All related work shall conform to the City of Riverside Park and Recreation Department Standards and City of Riverside Street Tree policies.
2. When calling for inspections contact the Street Tree Inspector a minimum of 48 hours in advance at (714) 351-6126 to schedule an inspection. A Field Notice will be issued as written approval for each stage of inspection. A verbal approval will not be acceptable. Inspections are required:
   a. After completion of final grading of the lots and when all utility services and sewer lateral have been marked, but prior to digging plant pits, all final street tree locations are to be spotted in the field by the street tree inspector;
   b. While digging plant pits and planting/relocating trees;
   c. After planting and all other indicated or specified work has been complete, for start of maintenance;
   d. At end of the maintenance period, the contractor shall call the Street Tree Inspector at (714) 351-6126 for a final acceptance inspection in order to be released from maintenance. Contractors bonds will not be released until after receipt of written notification from the City that the trees pass final inspection and the Park and Recreation Department is assuming maintenance responsibilities;
3. The Contractor shall be responsible to acceptably maintain all plantings for a minimum period of one (1) year.
4. Street tree planting (EXCLUDING MEDIANS, SEE SHT. L4) shall be as follows:

	Street Name	Botanical Name/Common Name	Min. Size	Approx. Spacing	Number Required
a.	PENNS.	COCOS PLUMOSA/QUEEN PALM	4' BROWN TRUNK	45'	205
b.	PENNS.	COCOS PLUMOSA/QUEEN PALM	TRANSPLANT TO THE SPECIFICATIONS OF THE PARK & REC. DEPT.		22
c.	PENNS.	COCOS PLUMOSA/QUEEN PALM	REMOVE TO THE SPECIFICATIONS OF THE PARK & REC. DEPT.		29

6. Both a street tree Relocation/Removal permit as issued by the Park and Recreation Department and a Street Opening permit as issued by the Public Works Department are required prior to commencement of tree relocation and/or removal work. For all existing trees within what will ultimately be the Public Right-of-Way pavement area, backfill of all holes must be inspected by the Public Works Inspector for proper compaction.

NOTE: In the interest of public safety and maintenance the Street Tree inspector shall have the authority to revise the street tree quantities and locations shown on approved plans based upon field conditions found at the time of installation of the trees.

(Revision 1)

CALTRANS GENERAL NOTES

a. An ENCROACHMENT PERMIT IS REQUIRED before any work may begin in or near the State right of way.

b. ALL WORK within the State right of way SHALL CONFORM to the latest STATE STANDARD PLANS & SPECIFICATIONS or as directed by the State's representative (Standards other than State must be pre-approved and justified).

c. NO EQUIPMENT or MATERIALS may be stored on the State right of way.

d. ALL disturbed areas in the State right of way MUST BE treated for erosion control (hydroseeding or equivalent, or as directed by the State's representative). The responsibility for maintaining erosion control WILL NOT be released until the seeding is well established. The CONTRACTOR WILL BE RESPONSIBLE for the COST OF CALTRANS CLEANING ANY DRAINAGE STRUCTURES/ CHANNELS which have become cluttered with debris and/or silt as a result of, or caused by, the construction project.

e. ACCESS CONTROL on the freeway WILL BE MAINTAINED at all times, i.e., the work inside the State right of way MUST BE FENCED OFF with no access to the work area from the freeway.

f. NO FREEWAY RAMPS or FREEWAY LANES MAY BE CLOSED or obstructed at ANYTIME unless specifically allowed per the encroachment permit and/ or as directed by the State's representative.

g. ALL fence relocated to facilitate the construction of this project inside the State right of way SHALL BE REPLACED WITH CL-6 FENCE as shown in the State's Standard Plans or with a block wall in accordance with acceptable local agency standards.

h. Where Type CL-6 fence does not exist, the State right of way fence MUST BE upgraded to TYPE CL-6 FENCE, as shown in the Standard Plans.

i. The STRUCTURAL SECTION shown within the State right of way is for ESTIMATING purposes ONLY. The actual section WILL BE designed by a Soils Engineer after native soil testing has been completed. A traffic index (TI) of 10 shall be used in the design of the travelled way, and a TI of 10 shall be used for the shoulder design. The laboratory reports and the design calculations SHALL BE SUBMITTED to the State's representative for APPROVAL PRIOR TO CONSTRUCTION of the structural section.

j. Where SURVEY MONUMENTS exist, such monuments SHALL BE PROTECTED or shall be REFERENCED and RESET pursuant to Business and Professions Code, Sections 8700 to 8805 (Land Surveyor's Act).

k. All signing, striping and pavement markings within State right of way SHALL BE in conformance with the current edition of the TRAFFIC MANUAL, published by the State of California, Department of Transportation, and the SPECIAL PROVISIONS. All pavement markings SHALL BE thermoplastic unless otherwise noted on the plans.

l. The exact location of ALL SIGNS shall be determined in the field by the State's representative.

m. ALL conflicting striping and pavement markings NOT SHOWN on the plans SHALL BE REMOVED from the pavement by sandblasting by the contractor.

n. ALL conflicting signs SHALL BE either removed or relocated by the contractor. Relocatable signs SHALL BE installed as specified on the plans or as determined in the field by the State's representative.

o. ALL signs, roadside markers, electroliers, ect., SHALL BE PROTECTED and/or REPLACED in-kind according to the current State Standard Plans and the current Traffic Manual, at NO COST TO the STATE.

PROJECT LOCATION MAP

SHEET INDEX FOR R-3057

SHEET 1-18: STREET IMPROVEMENT PLANS.
SHEET I1-I3: U.C.R. AGRICULTURAL OPERATIONS, IRRIGATION & DRAINAGE PLANS.
SHEET L1-L4: MEDIAN LANDSCAPING PLANS.

SPECIFIC STREET TREE PLANTING AND RELOCATION NOTES

- (+) PLANT PALM TREE PER PARK & RECREATION DEPARTMENT NOTES & SPECIFICATIONS.
- (R/I) REMOVE CLASS I TREE. (6"–18" DIA.)
- (R/II) REMOVE CLASS II TREE. (18"–36" DIA.)
- (R/III) REMOVE CLASS III TREE. (OVER 36" DIA.)
- (T_1/II) TRANSPLANT QUEEN PALMS BETWEEN STATIONS 64+00 AND 72+00. QUEEN PALMS WILL BE TAGGED TO INDICATE GRADUATING SIZES. THE TALLEST QUEEN PALMS SHALL BE PLANTED AT THE INTERSECTION OF PENNSYLVANIA AVENUE AND CANYON CREST DRIVE.
- (T_2/II) RELOCATE TO VICTORIA AVENUE FRONTAGE MEDIAN.
- (T_3/II) RELOCATE TO FAIRMOUNT PARK.
- (T_4/II) RELOCATE TO THE EAST SIDE OF VICTORIA AVENUE, BETWEEN ADAMS STREET AND GRATTON STREET.
- (T_5/II) RELOCATE 4 PALMS TO THE ARLINGTON AVENUE MEDIAN, BETWEEN ALESSANDRO BLVD. AND VICTORIA AVENUE, AND 9 PALMS TO THE VICTORIA AVENUE MEDIAN AT VARIOUS SITES TO BE DETERMINED AT A LATER TIME. (TOTAL 13 PALMS)

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 Underground Service Alert **TOLL FREE 1-800-422-4133** Two working days before you dig.

STREET LIGHTS (Revision 2)

EXISTING STREET LIGHT SYSTEM MUST BE PROTECTED IN PLACE UNTIL RELOCATED. STREET LIGHTS MUST REMAIN OPERATIONAL THROUGHOUT ALL PHASES OF CONSTRUCTION. DEVELOPER IS RESPONSIBLE FOR STREET LIGHT RELOCATION WORK. SEE RIVERSIDE PUBLIC UTILITIES REVISED STREET LIGHT DRAWING L5-1069 FOR DETAILS.

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

Utility	Line label	Utility	Line label
ABANDONDED UTILITY	4"G (ABAND.)	CABLE TELEVISION	CATV
GAS LINE	4"G	ELECTRICAL CONDUIT	E
IRRIGATION LINE	8"IRR	ELECTROLIER LIGHTING CONDUIT	ELC
SANITARY SEWER	8"S	FUEL LINE	F
STORM DRAIN	18"S.D.	TELEPHONE CONDUIT	T
WATER LINE	6"W	TRAFFIC SIGNAL	SIG

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
JOINT USE POLE
TELEPHONE POLE
TELEPHONE RISER
PULL BOX
TRAFFIC SIGN
PARKING METER
FIRE ALARM BOX
STREET NAME SIGN
GAS METER
MAIL BOX
FAUCET
WALK-DON'T WALK PEDESTRIAN SIGNAL
ELECTRICAL TEST STATION
WHEEL STOP
UNDERGROUND STRUCTURE
A.C. BERM
P.C.C. CURB
P.C.C. CURB & GUTTER
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
ELECTROLIER & TRAFFIC SIGNAL ON MAST ARM
ELECTROLIER (UPRIGHT)
ELECTROLIER ON MAST ARM
STEEL POST
WOOD POST
SHRUBBERY
DECIDUOUS TREE
PALM TREE

CONSTRUCTION LEGEND

CENTER LINE ———— ℄ ————
RIGHT-OF-WAY ———— R/W ————
PROPERTY LINE ———— ℘ ————

(A/13) INDICATES DETAIL NAME. INDICATES SHEET NUMBER.

CONSTRUCT VARIABLE THICKNESS ASPHALT CONCRETE OVERLAY.
CONSTRUCT 0.21' ASPHALT CONCRETE OVER COMPACTED NATIVE.
PORTLAND CEMENT CONCRETE.

REGISTERED PROFESSIONAL ENGINEER JOHN A. FRIEDRICH NO. 27861 EXP. 3-31-02 CIVIL STATE OF CALIFORNIA

REVISION (2) (3)
MADE UNDER THE SUPERVISION OF:
GFB-FRIEDRICH & ASSOC., INC
6529 RIVERSIDE AVE STE. 230
RIVERSIDE CA 92506 (909) 781-0811
John A. Friedrich 9-13-00
JOHN A. FRIEDRICH RCE 27861 EXP. 3-31-02
CITY BUSINESS TAX CERT. NO. 60137
EXP. DATE: 05/02/2001

AS-BUILT PER PLANS 3/26/96 GH

PC 3423-S&P

REGISTERED PROFESSIONAL ENGINEER BENITO URQUIZA, JR. No. 33657 Exp. 6-30-94 CIVIL STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
Ben Urquiza
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE *MAY 7, 1992*

MARK	REVISIONS	APPR.	DATE
3	LENGTHENED MEDIAN ON SHEET 10 *12-11-00*	*TJB*	*1/2/01*
2	REVISED SHEETS 1, 9-12 & 17 *9-13-00*	*TJB*	*9/26/00*
1	*ADDED CALTRANS GENERAL NOTES*	*B.U.*	*8/12/92*

DESIGNED BY *P.H.* DRAWN BY *[illegible]* CHECKED BY *B.U.*

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	*5/8/92*	*RMcG*
PRINCIPAL ENGINEER	*6/11/92*	*[illegible]*
CHIEF P.W. INSPECTOR	*5/7/92*	*REL*
SURVEYOR	*5/8/92*	*SPH*
TRAFFIC DIVISION	*5/7/92*	*[illegible]*
~~PARKS DEPARTMENT~~		
~~STREET SERVICES~~		

APPROVED BY *[signature]*
PUBLIC WORKS DIRECTOR
DATE *5/11/92*

PENNSYLVANIA AVENUE WIDENING
Chicago Ave. to Canyon Crest Dr.

ACCOUNT NO. 30-575-295-15

R-3057

SHEET *1* OF *18*

INDEXED 7-7-94 GH

BENCH MARK:
P.K. & C.R. TAG IN CENTER OF SOUTH WEST CURB RETURN AT PENNSYLVANIA AVENUE AND CHICAGO AVENUE PER C.R. BENCH MARK BOOK.
ELEVATION = 971.111

LT. 965
℄ 965
RT. 965

(60.80 E.P.) 6+00 MEET EXIST. E.P.
62.64 E.P. 7+00 G.B.
65.14 E.P. 9+00 G.B.
65.91 E.P.
66.41 T.C. 9+44.4 @ 44'LT. BEG. C.& G.
67.47 T.C. 11+00

1.74%
1.25%
EXIST. GRADE @ PROP.
0.82%
1.00%
PROPOSED E.P. LT.
PROPOSED T.C. @ 44'LT.

68.05 T.C. LT. 68.15 T.C. RT. BEG. MEDIAN 10+18
68.46 T.C. LT. 68.70 T.C. RT. 11+00 G.B.
0.50% LT.
0.67% RT.
PROPOSED T.C. MEDIAN

67.25 T.C. 66.75 E. 66.75 E.P. 66.18 G.B. BEG. C.& G.
67.35 T.C. 66.85 E.
67.91 T.C. 11+00
0.80%
PROPOSED T.C. RT. ①

(61.15 E.P.) 6+00 MEET EXIST. E.P. @ 14.5' RT.
EXIST. GRADE @ PROP.
1.34%
PROPOSED E.P. RT. ①

5 6 7 8 9 10 ⚠2 11

1835 1825 1815 1805 1795 1785 1775 R28A SIGN MAILBOX (RELOCATE) 1765 ETS (RELOCATE BY OTHERS) W.M. VAULT 9+94.4 @ 44'LT. END E.P. BEG. C.& G. 302 M 10+11.43 ℄ DWY. 4=20' BS34' MOD.: DEPRESS .20 W.M. VAULT (RELOCATE BY OTHERS) 1755 MAILBOX (RELOCATE BY OTHERS) 200 I 325 R.T.A. SIGN 1745 MAILBOX (RELOCATE BY OTHERS) W.M. VAULT (RELOCATE BY OTHERS) 302 M 10+98.03 ℄ DWY. 4=30' BS37' MOD.: DEPRESS .20

MEET EXIST. @ 62' LT.
MEET EXIST. @ 59' LT.
6" C.F.
EXISTING R/W
STATION 11+00
MATCH LINE

R/W
48'
6+00
18'
41.5'
30'
PENNSYLVANIA AVENUE
MONUMENT ℄ CONSTRUCTION ℄
15'
9+39.94 MONUMENT ℄ -4+99.26 CONST. ℄
10+18 @ 7' RT. BEG. REV. TAP.
10+18 @ 44'RT. END A.C. BEGIN REV. & C.& G.
10+24 ℄ C.B. 4=24' BS37' Skd Grate
6+00 MEET EXIST. E.P. BEGIN A.C.
GATE VALVE (ADJUST TO GRADE)
R28A SIGN
FIRE HYDRANT (RELOCATE BY OTHERS)
TELEPHONE M.H. (ADJ. BY OTHERS)
250 I
380 M
405 M
122
200 I
2
1
4

18" TREE 18" TREE 18" TREE 6" TREE 6" TREE 18" TREE 12" TREE R28A SIGN 24" TREES & STUMP ST. NAME SIGN 18" TREE 18" TREE 3" TREE STUMP 24" TREE 12" TREE 12" TREE 12" TREE 12" TREE 12" TREE 12" TREE 12" TREE 12" TREE

* AS-BUILT PER PLANS 3/26/96 Lfh

PC 3423-S&P

REGISTERED PROFESSIONAL ENGINEER BENITO URQUIZA No. 33657 Exp. 6-30-94 CIVIL STATE OF CALIFORNIA

ENGINEER IN Rresponsible CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE
⚠2	Added North Side of Pennsylvania Ave. to Construction Scope	BU	11/9/92
⚠1	ROGER SOUTH SIDE OF PENNSYLVANIA TO CONST. SCOPE.	BU	6/3/92

DESIGNED BY D.H. DRAWN BY Dan CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/7/92	RMG
PRINCIPAL ENGINEER	5/11/92	BU
CHIEF P.W. INSPECTOR	5/1/92	Dan
SURVEYOR	5/8/92	MPH
TRAFFIC DIVISION	5/7/92	JS
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

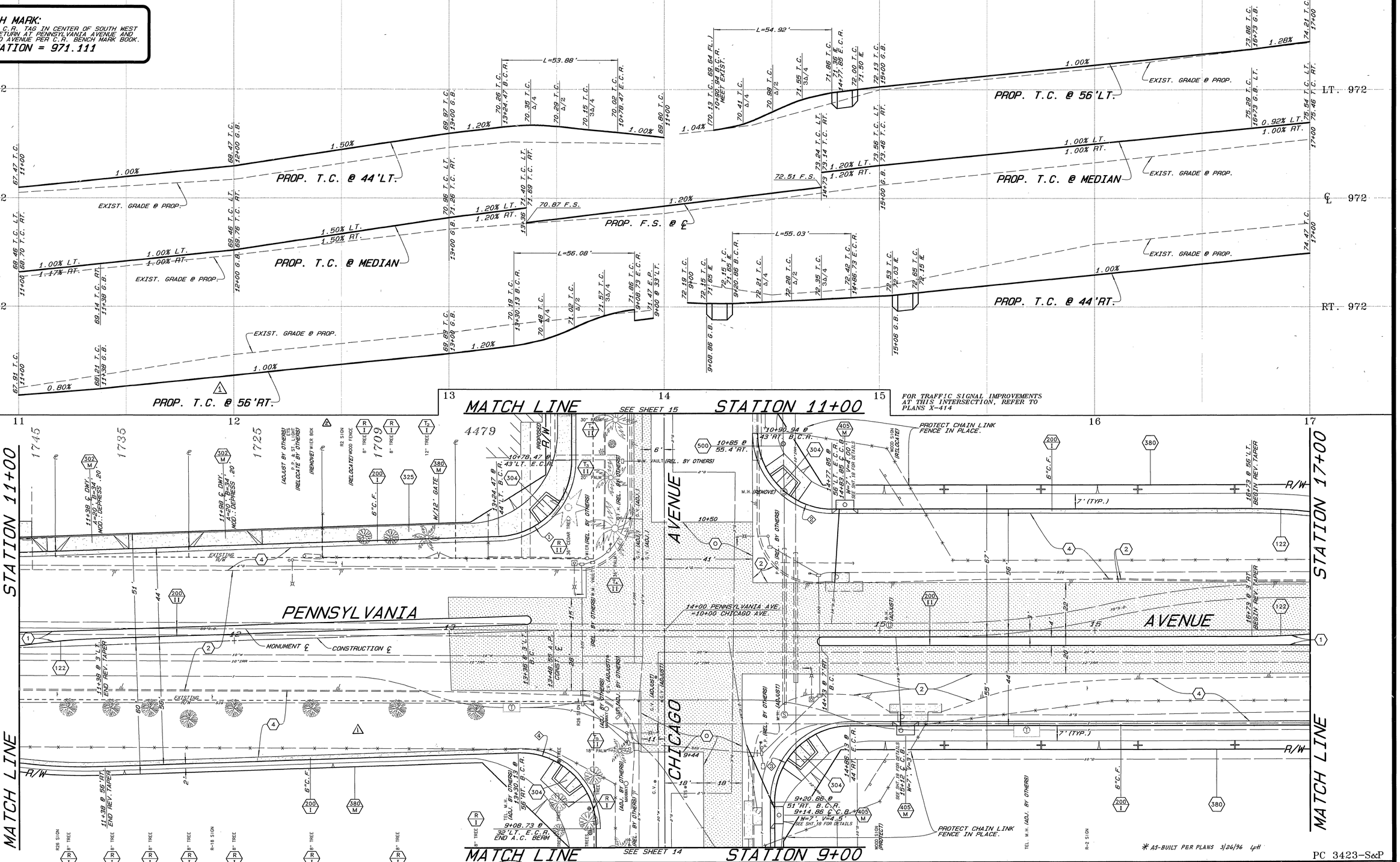
ACCOUNT NO. 30-575-295-15

R-3057

SHEET 2 OF 18

INDEXED 7-7-94 Lfh

BENCH MARK:
P.K. & C.R. TAG IN CENTER OF SOUTH WEST CURB RETURN AT PENNSYLVANIA AVENUE AND CHICAGO AVENUE PER C.R. BENCH MARK BOOK.
ELEVATION = 971.111



CURVE DATA				
	Δ	R	L	T
①	88°11'51"	35'	53.88'	33.92'
②	89°54'30"	35'	54.92'	34.94'
③	90°05'30"	35'	55.03'	35.06'
④	91°48'09"	35'	56.08'	36.12'

REGISTERED PROFESSIONAL ENGINEER — BEN C. URQUIZA — No. 33657 — Exp. 6-30-94 — CIVIL — STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	SCOPE	APPR.	DATE
2	Added North Side of Pennsylvania Ave. to Construction Scope.		BU	11/9/92
1	MOVED SOUTHWEST PORTION OF PENNSYLVANIA TO CONSTRUCTION		BU	6/3/92

DESIGNED BY DH DRAWN BY DH CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RHG
PRINCIPAL ENGINEER	5/11/92	
CHIEF P.W. INSPECTOR	5/7/92	DSC
SURVEYOR	5/8/92	RPH
TRAFFIC DIVISION	5/7/92	
PARKS DEPARTMENT		
STREET SERVICES		

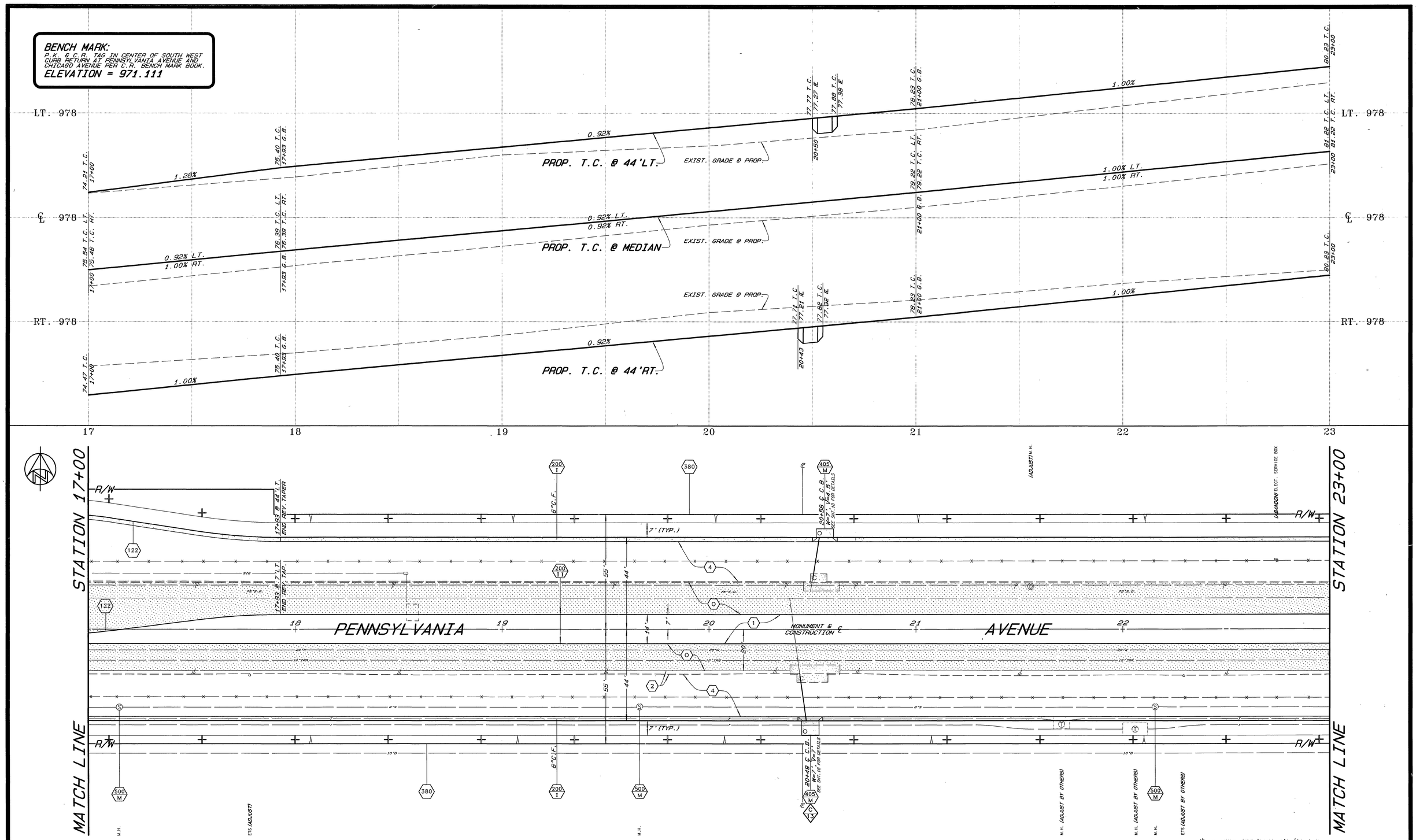
APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING
Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

PC 3423-S&P
ACCOUNT NO. 30-575-295-15
R-3057
SHEET 3 OF 18

INDEXED 7-7-94 GH



* AS-BUILT PER PLANS 3/26/96 LH

PC 3423-S&P

REGISTERED PROFESSIONAL ENGINEER BENITO URQUIZA, JR. No. 33657 Exp. 6-30-94 CIVIL STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE

BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE

DESIGNED BY DH DRAWN BY Ian CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RMG
PRINCIPAL ENGINEER	5/11/92	[illegible]
CHIEF P.W. INSPECTOR	5/7/92	[illegible]
SURVEYOR	5/8/92	[illegible]
TRAFFIC DIVISION	5/7/92	[illegible]
~~PARKS DEPARTMENT~~		
~~STREET SERVICES~~		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15

R-3057

SHEET 4 OF 18

INDEXED 7-7-94 LH

BENCH MARK:
P.K. & C.R. TAG IN CENTER OF SOUTH WEST CURB RETURN AT PENNSYLVANIA AVENUE AND CHICAGO AVENUE PER C.R. BENCH MARK BOOK.
ELEVATION = 971.111

LT. 984 | ℄ 984 | RT. 984

23 | 24 | 25 | 26 | 27 | 28 | 29

STATION 23+00 — STATION 29+00

MATCH LINE — MATCH LINE

PROP. T.C. @ 44'LT.

PROP. T.C. @ MEDIAN

PROP. T.C. @ 44'RT.

PROP. F.S. @ ℄

EXIST. GRADE @ PROP.

1.00%

1.00% LT.
1.00% RT.

1.00% LT.
1.17% RT.

0.83% LT.
1.00% RT.

80.23 T.C. 20+00

82.80 T.C. RT. 24+58 6.8

84.20 T.C. RT. 25+78 6.8

85.00 T.C. LT. 85.20 T.C. RT. 26+78

85.01 F.S.

84.47 F.S.

85.74 T.C. LT. 85.54 T.C. RT. 27+32

84.76 T.C. 84.25 ℄ 84.89 T.C. ℄ 84.89 27+69

86.74 T.C. LT. 28+32 6.8

87.31 T.C. LT. 87.22 T.C. RT. 29+00

86.23 T.C. 29+00

84.89 T.C. ℄ 84.89 27+49

86.03 T.C. 84.63 ℄

CAUTION!! HIGH PRESSURE GAS LINE IN VICINITY

PENNSYLVANIA AVENUE

CONSTRUCTION ℄

MONUMENT ℄

R/W

7' (TYP.)

24+59 @ 7.1% BEG. REF. TAPER

25+78 @ 3.1% END REF. TAPER

26+00

26+28 @ 3.1% B.C.

27+32 @ 3.1% E.C.

28+32 @ 3.1% BEG. REF. TAPER

29+50

6"C.F.

(ADJUST) M.H.

22'HOA & DWY. 4-30', R-48 16' GATE

27+59 ℄ C.B. W=7.1 Vw=4' SEE SHT. 18 FOR DETAILS

27+72 ℄ C.B. W=7.1 Vw=4' SEE SHT. 18 FOR DETAILS

(REL. BY OTHERS) GAS WARNING SIGN

(REL. BY OTHERS) AIR VALVE

INR. VALVES

C.V. (ADJUST)

ETS (ADJUST)

AIR VALVE (REL. BY OTHERS)

C.V. (ADJUST)

M.H.

* AS-BUILT PER PLANS 3/26/96 LJH

PC 3423-S&P

ACCOUNT NO. 30-575-295-15

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

REGISTERED PROFESSIONAL ENGINEER — BENITO URQUIZA, JR. — No. 33657 Exp. 6-30-94 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY O.H. DRAWN BY I.a.a. CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RM.G
PRINCIPAL ENGINEER	5/11/92	
CHIEF P.W. INSPECTOR	5/7/92	D.L.C
SURVEYOR	5/8/92	B.U.H
TRAFFIC DIVISION	5/7/92	
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY _____ PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

R-3057

SHEET 5 OF 18

BENCH MARK:
P.K. & C.P. TAG IN CENTER OF SOUTH WEST CURB RETURN AT PENNSYLVANIA AVENUE AND CHICAGO AVENUE PER C.R. BENCH MARK BOOK.
ELEVATION = 971.111

LT. 990
℄ 990
RT. 990

86.63 T.C. 29+00
87.31 T.C. LT.
87.22 T.C. RT.
29+00
0.83% LT.
1.00% RT.
87.74 T.C. LT.
29+52 G.B.
86.63 T.C. 29+00
1.00%
PROP. T.C. @ 44'LT.
1.00% LT.
1.00% RT.
PROP. T.C. @ MEDIAN
1.00%
PROP. T.C. @ 44'RT.
EXIST. GRADE @ PROP.
EXIST. GRADE @ PROP.
EXIST. GRADE @ PROP.
90.70 T.C. 90.20 IE.
90.69 T.C. 90.39 IE.
33+47.5
92.23 T.C. 35+00
93.22 T.C. LT.
93.22 T.C. RT.
35+00
92.23 T.C. 35+00

29 30 31 32 33 34 35

STATION 29+00
MATCH LINE
STATION 35+00
MATCH LINE

(ADJUST) M.H.
(ABANDON) ELECTRICAL CONTROL BOX
2" TREE
12"IRR
8"S
6"C.F.
380
200 I
1" TREE
(ADJUST) M.H.
℄
R/W
7' (TYP.)
CAUTION!! HIGH PRESSURE GAS LINE IN VICINITY
29+52 @ 7' LT. END REV. TAPER
45°S.D.
42°S.D.
12"MPG
122
4
2
1
0
55'
44'
7'
7'
CONSTRUCTION ℄
MONUMENT ℄
30
31
32
33
34
PENNSYLVANIA
AVENUE
23.82'
39.82'
10'D
200 II
33+57 T.C. 90.54 I.E. RCP 24" 135.5 LF
405 M
SEWER M.H. (ADJUST)
TEL. M.H. (ADJ. BY OTHERS)
SEWER M.H. (ADJ.)
SEWER M.H. (ADJ.)

* AS-BUILT PER PLANS 3/26/96 LH

PC 3423-S&P

REGISTERED PROFESSIONAL ENGINEER
BENITO URQUIZA, JR.
No. 33657
Exp. 6-30-94
CIVIL
STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE

DESIGNED BY OH DRAWN BY [illegible] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	
PRINCIPAL ENGINEER	5/11/92	
CHIEF P.W. INSPECTOR	5/7/92	
SURVEYOR	5/6/92	
TRAFFIC DIVISION	5/7/92	
~~PARKS DEPARTMENT~~		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15

R-3057

SHEET 6 OF 18

INDEXED 7-7-94 LH

BENCH MARK:
P.K. & C.R. TAG IN W'LY WING OF CATCH BASIN, N'LY OF CENTERLINE PENNSYLVANIA AVENUE, 56.5' E'LY OF CENTERLINE IOWA AVENUE, PER C.R. BENCH MARK BOOK.
ELEVATION = 997.258

LT. 996 — ℄ 996 — RT. 996

92.23 T.C. 35+00
93.22 T.C. LT. / 93.22 T.C. RT. 35+00
92.23 T.C. 35+00
1.00%
1.00% LT. 1.00% RT.
1.00% LT. 1.17% RT.
94.52 T.C. AT. 36+30 G.B.
95.92 T.C. AT. 37+80 G.B.
EXIST. GRADE @ PROP.
PROP. T.C. @ 44'LT.
PROP. T.C. @ MEDIAN
PROP. T.C. @ 44'RT.
1.00% LT. 1.00% RT.
96.64 T.C. 39+41.29 B.C.R.
96.72 T.C. Δ/4
96.68 T.C. Δ/2
96.60 T.C. 3Δ/4
96.51 T.C. 11+00.45 E.C.R.
L=54.45'
97.64 T.C. 11+12.90 B.C.R.
97.78 T.C. Δ/4
97.92 T.C. Δ/2
98.05 T.C. 3Δ/4
98.19 T.C. 40+71.95 E.C.R.
L=54.92'
98.47 T.C. 41+00
1.00%
PROP. T.C. @ 56'LT.
97.72 T.C. LT. / 97.92 T.C. RT. 39+50
97.19 F.S.
PROP. F.S. @ ℄
98.31 F.S.
98.84 T.C. LT. / 99.04 T.C. RT. 40+62
1.00% LT. 0.60% RT.
98.22 T.C. LT. / 98.27 T.C. RT. 41+00
96.29 T.C. 41+00
40+71
1.00%

FOR TRAFFIC SIGNAL IMPROVEMENTS AT THIS INTERSECTION, REFER TO PLANS X-491

MATCH LINE SEE SHEET 16 STATION 11+30

35 36 37 38 39 40 41

STATION 35+00 — MATCH LINE — STATION 41+00

CURVE DATA				
	Δ	R	L	T
1	89°07'43"	35'	54.45'	34.47'
2	89°54'25"	35'	54.92'	34.94'

2" TREE (typ.) — 9" SIGN (REL. BY OTHERS) GAS WARNING SIGN — M.H. — 6"C.F. — 12"RPC — 7' (TYP.) — R/W

RECONSTRUCT MANHOLE SHAFT ONLY TO BE RELOCATED WITHIN MEDIAN

CAUTION!! HIGH PRESSURE GAS LINE IN VICINITY

CONSTRUCTION ℄ MONUMENT ℄

PENNSYLVANIA AVENUE

37+50 @ 3'LT. END RET. TAPER
35+90 @ 7'RT. BEG. RET. TAPER
15" DROP INLET TO BE PLUGGED
ST. NAME SIGN
ETS (ADJUST)
TEL. M.H. (REL. BY OTHERS)
6"C.F.
2.65' TYP.
39+65
39+60 @ 3'LT. B.C.
39+60 CONST. ℄
A.P.
22'
55'
44'
42'S.D.
10'-0" T.-450
JOIN EXISTING 6"C.F. @ 40+00

IOWA AVE.

39+41.29 @ 44'LT. B.C.R.
11+00.45 @ 39'LT. E.C.R.
11+12.90 @ 24'RT. B.C.R.
4' TYP.
40+71.95 @ 95'LT. E.C.R.
W=6.2 40 VA4.5 68A12S
40+13.09 PENNSYLVANIA AVE. =10+22 IOWA AVE.
40+12.94 PENNSYLVANIA AVE. =10+00 IOWA AVE.
40+62 @ 7'LT. B.C.
W=10.1 40 VA4.5 68A12S
40+71 W=13.29 4 68A12S
G.V. (ADJUST) G.V. (ADJ.) G.V. (ADJ.) FLANGE (ADJ.) G.V. (ADJUST)
GAS WARNING SIGN (REL. BY OTHERS)
M.H. (ADJUST)
10" PALM
12" PALM
TEL. M.H. (ADJ. BY OTHERS)
ETS (ADJ. BY OTHERS)
JOIN EXISTING 6"C.F. @ 40+00

* AS-BUILT PER PLANS 3/26/96 GH PC 3423-S&P

INDEXED 7-7-94 GH

REGISTERED PROFESSIONAL ENGINEER — BENITO URQUIZA, JR. — No. 33657 Exp. 6-30-94 — CIVIL — STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE

DESIGNED BY P.H. DRAWN BY Dan CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RM.G
PRINCIPAL ENGINEER	5/7/92	BU
CHIEF P.W. INSPECTOR	5/7/92	RSH
SURVEYOR	5/8/92	ABH
TRAFFIC DIVISION	5/7/92	
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING
Chicago Ave. to Canyon Crest Dr.

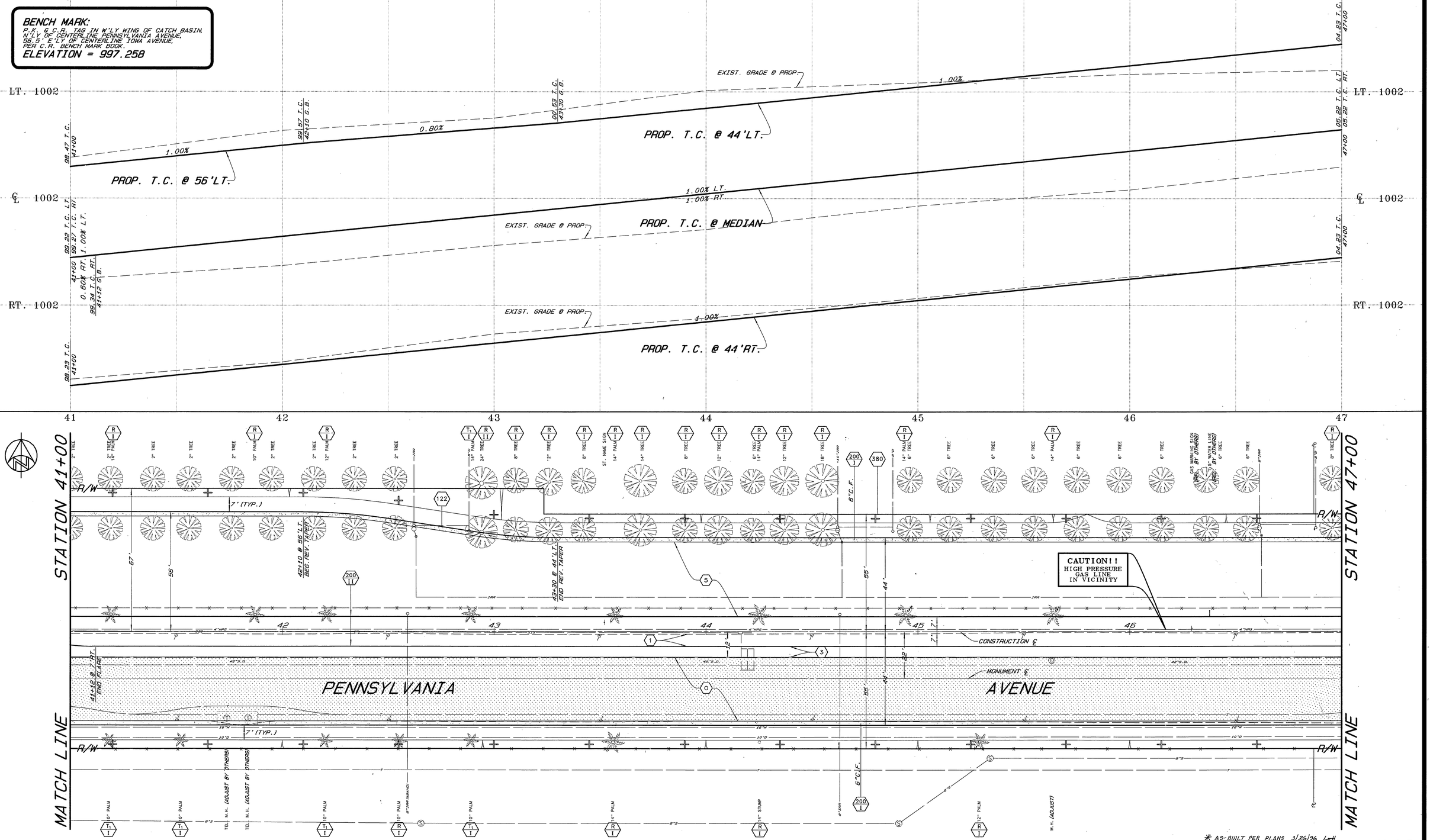
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15

R-3057

SHEET 7 OF 18

BENCH MARK:
P.K. & C.R. TAG IN W'LY WING OF CATCH BASIN, N'LY OF CENTERLINE PENNSYLVANIA AVENUE, 26.5' +/- E'LY OF CENTERLINE IOWA AVENUE, PER C.R. BENCH MARK BOOK.
ELEVATION = 997.258



* AS-BUILT PER PLANS 3/26/96 GH

PC 3423-S&P

REGISTERED PROFESSIONAL ENGINEER BENITO URQUIZA, JR. No. 33657 Exp. 6-30-94 CIVIL STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7,1992

MARK	REVISIONS	APPR.	DATE

DESIGNED BY D.H. DRAWN BY Dan CHECKED BY BU

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RJG
PRINCIPAL ENGINEER	5/4/92	BU
CHIEF P.W. INSPECTOR	5/7/92	DH
SURVEYOR	5/8/92	GH
TRAFFIC DIVISION	5/7/92	BU
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15

R-3057

SHEET 8 OF 18

INDEXED 7-7-94 GH

BENCH MARK:
P.K. S.C.R. TAG IN W'LY WING OF CATCH BASIN, N'LY OF CENTERLINE PENNSYLVANIA AVENUE, 56.5' E'LY OF CENTERLINE IOWA AVENUE, PER C.R. BENCH MARK BOOK.
ELEVATION = 997.258

⚠ BENCH MARK:
P.K. NAIL AND CITY ENGINEER TAG IN THE NORTWEST CORNER OF A CATCH BASIN ALONG THE NORTHERLY CURB OF MARTIN LUTHER KING BLVD. AT THE BCR OF THE NORTHEAST CURB RETURN AT IOWA AVENUE AND MARTIN LUTHER KING BLVD.
POINT ID: H8-L3 ELEVATION: 998.353

LT. 1008
℄ 1008
RT. 1008

04.23 T.C. 47+00
1.00%
PROP. T.C. @ 44'LT.
07.23 T.C. 50+00 G.B.
07.90 T.C. 07.40 IE
08.15 T.C. 07.65 IE
50+52.5
1.28%
51+58 BEGIN TRANSITION MATCH EXISTING C&G (08.29) TC (08.79) FL
1.26%
09.78 TC 09.28 FL 52+00 G.B.
1.67%
1.70%
11.45 TC 10.95 FL 53+00
10.79 T.C. LT. 10.79 T.C. RT.
1.70% LT.
1.70% RT.
52+48 BC 68 1.68' TC 9' RT
L70% LT.
L76% RT.
12.49 T.C. LT. 12.49 T.C. RT.
12.53 TC RT.
53+00

05.22 T.C. LT. 05.22 T.C. RT. 47+00
1.00% LT.
1.00% RT.
PROP. T.C. @ MEDIAN
08.22 T.C. LT. 08.22 T.C. RT. 50+00 G.B.
1.28% LT.
1.28% RT.
EXIST. GRADE @ PROP.
L70% LT.
09.79 T.C. LT. 09.79 T.C. RT. 52+00 G.B.
11.50 T.C. 53+00

04.23 T.C. 47+00
1.00%
PROP. T.C. @ 44'RT.
07.23 T.C. 50+00 G.B.
07.91 T.C. 07.41 IE
08.24 T.C. 07.74 IE
50+59
1.28%
EXIST. GRADE @ PROP.
09.80 T.C. 52+00 G.B.
1.70%

47 48 49 50 51 52 53

STATION 47+00 — MATCH LINE — STATION 53+00

R/W — 7' (TYP.) — SL — 7' (TYP.) — R/W

CAUTION!! HIGH PRESSURE GAS LINE IN VICINITY

CONSTRUCTION ℄ — MONUMENT ℄

PENNSYLVANIA AVENUE

SEE PLAN D-610 FOR PROP. S.D.

50+50 SAWCUT & REMOVE TOP OF EXISTING C.B. RECONSTRUCT TOP PER DETAIL

(REL. BY OTHERS) AS WARN ING SIGN

W=14' V=4 @ 3'OC

6' C.F.

(REMOVE) METAL POST

TEL. M.H. (ADJUST BY OTHERS)

TEL. RISER

W-62 SIGN

PROTECT PALM TREE IN PLACE

RELOCATE EXIST. FENCE TO NEW R/W

CONST. NEW 6" C&G

RELOCATE EXIST. STREET LIGHT

PROPOSED R/W

SAWCUT & REMOVE EXIST. CURB & GUTTER AND AC PAVING

MATCH EXIST. AC PVMT. & BASE SECTION

1' SAWCUT LINE

RELOCATED BY U.C.R. FORCES

CONST. NEW 8" CURB

52+46 BC 7 RT. BEGIN REVERSE TAPER & CURB REMOVAL

SAWCUT & REMOVE EXIST. CURB & AC PAVING

53+86 7.5 DWY 40.25' @ 39°

* AS-BUILT PER PLANS 3/26/96 LH

PC 3423-S&P

THE GAS COMPANY
REVIEWED BY — DATE 2-14-00

CITY OF RIVERSIDE - PUBLIC UTILITIES, ELECTRIC
REVIEWED BY — DATE 2-15-00

CITY OF RIVERSIDE - PUBLIC UTILITIES, WATER
REVIEWED BY — DATE 9/14/00

REVISION ⚠
MADE UNDER THE SUPERVISION OF:
6FB-FRIEDRICH & ASSOC., INC
6529 RIVERSIDE AVE STE. 230
RIVERSIDE CA 92506 (909) 781-0811
JOHN A. FRIEDRICH RCE 27861 EXP. 3-31-02

REGISTERED PROFESSIONAL ENGINEER JOHN A. FRIEDRICH NO. 27861 EXP. 3-31-02 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER DENITO URQUIZA, JR. No. 33657 Exp. 6-30-94 CIVIL STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

⚠ MARK — WIDENED N. SIDE STA. 51+58 TO 56+56, REVISED LT.TURN POCKET STA. 52+48 TO 55+88 — APPR. — DATE 9/14/00
DESIGNED BY DH DRAWN BY Ian CHECKED BY B.U.

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT	APPROVED BY	DATE	BY
	DEPUTY P.W. ENGINEER	5/8/92	RH.G
	PRINCIPAL ENGINEER	5/11/92	BU
	CHIEF P.W. INSPECTOR	5/7/92	DBC
	SURVEYOR	5/8/92	JSPH
	TRAFFIC DIVISION	5/7/92	RE
	PARKS DEPARTMENT		
	STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING
Chicago Ave. to Canyon Crest Dr.
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15
R-3057
SHEET 9 OF 18

INDEXED 7-7-94 LH

PC 3423-S&P

THE GAS COMPANY	
REVIEWED BY [signature]	DATE 9-14-00
CITY OF RIVERSIDE - PUBLIC UTILITIES, ELECTRIC	
REVIEWED BY [signature]	DATE 9-15-00

CITY OF RIVERSIDE - PUBLIC UTILITIES, WATER	
REVIEWED BY [signature]	DATE 9/14/00

REVISION 1 2 3
MADE UNDER THE SUPERVISION OF:
GFB-FRIEDRICH & ASSOC., INC
6529 RIVERSIDE AVE STE. 230
RIVERSIDE CA 92506 (909) 781-0811
JOHN A. FRIEDRICH RCE 27861 EXP. 3-31-02 9-13-00

REGISTERED PROFESSIONAL ENGINEER JOHN A. FRIEDRICH NO. 27861 EXP 3-31-02 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER BENITO URQUIZA, JR. No. 33657 Exp. 6-30-94 CIVIL STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE
3	AS BUILT 12-19-01 ADD H.C. RAMP 12-19-01 12-11-00		12/21/01
2	LENGTHENED MEDIAN CURB FOR NEW INTERSECTION	TJB	1/2/01
1	WIDENED N. SIDE STA. 51+58 TO 64+42, REVISED LT. TURN POCKET STA. 52+48 TO 55+68, RELOCATE STREET LIGHTS AND PALM TREES AS REQUIRED 9-13-00	TJB	9/6/00

DESIGNED BY D.H. DRAWN BY [signature] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

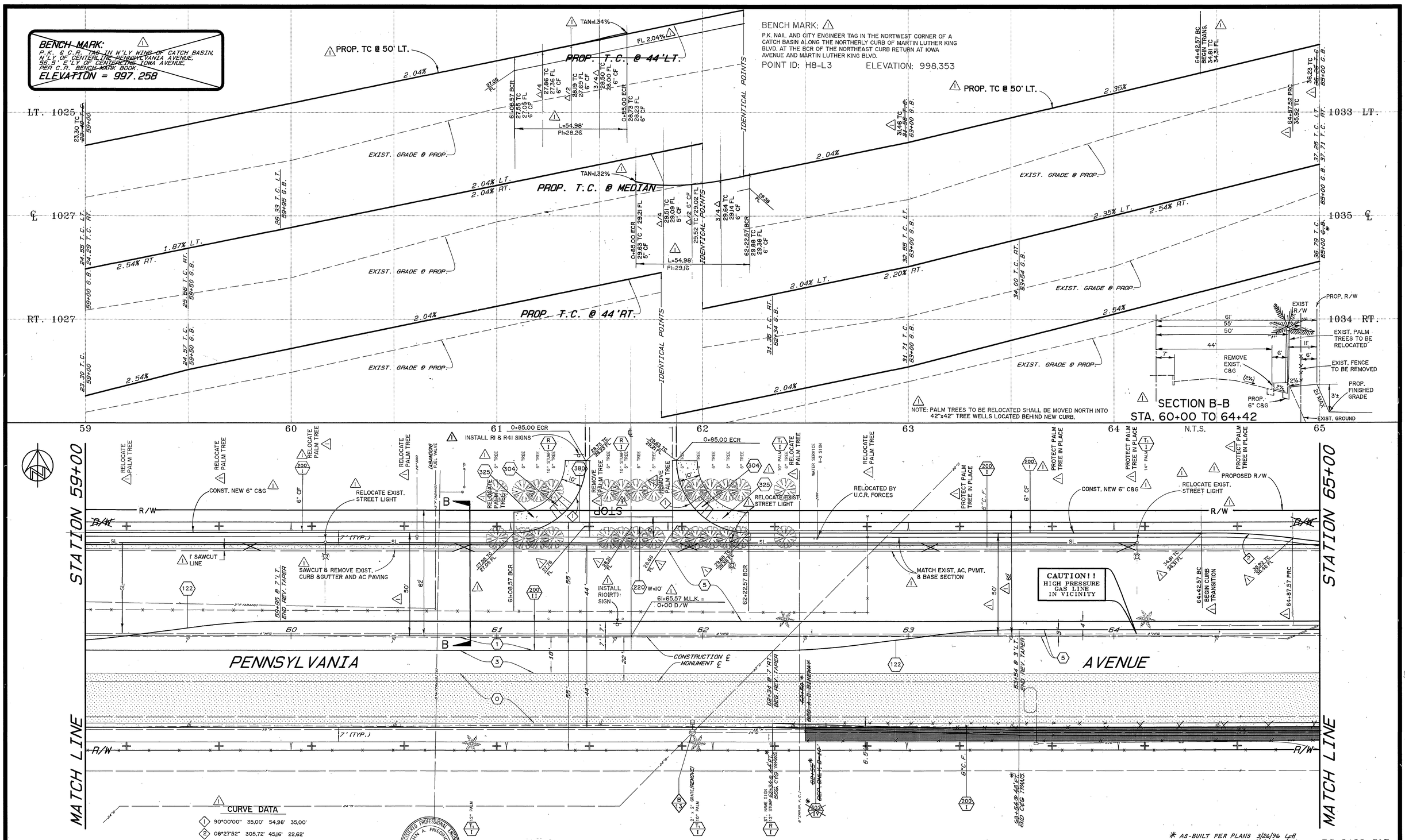
APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	
PRINCIPAL ENGINEER	5/11/92	
CHIEF P.W. INSPECTOR	5/7/92	
SURVEYOR	5/8/92	
TRAFFIC DIVISION	5/7/92	
PARKS DEPARTMENT		
~~STREET SERVICES~~		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING
Chicago Ave. to Canyon Crest Dr.
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15
R-3057
SHEET 10 OF 18

INDEXED 7-7-94



* AS-BUILT PER PLANS 3/26/96 LH & 7/23/97 RJM

PC 3423-S&P

THE GAS COMPANY
REVIEWED BY — DATE 9-14-00

CITY OF RIVERSIDE - PUBLIC UTILITIES, ELECTRIC
REVIEWED BY — DATE 9-15-00

CITY OF RIVERSIDE - PUBLIC UTILITIES, WATER
REVIEWED BY — DATE 9/14/00

REVISION 1
MADE UNDER THE SUPERVISION OF:
GFB-FRIEDRICH & ASSOC., INC
6529 RIVERSIDE AVE STE. 230
RIVERSIDE CA 92506 (909) 781-0811
JOHN A. FRIEDRICH RCE 27861 EXP. 3-31-02 — 9-13-00

REGISTERED PROFESSIONAL ENGINEER JOHN A. FRIEDRICH NO. 27861 EXP. 3-31-02 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER BENITO URQUIZA JR No. 33657 Exp. 6-30-94 CIVIL STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE
1	WIDENED N. SIDE STA 51+58 TO 64+42, ADDED D/W 61+65.57	TAB	9/24/00

DESIGNED BY P.H. DRAWN BY [illegible] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	M.G.
PRINCIPAL ENGINEER	5/11/92	[illegible]
CHIEF P.W. INSPECTOR	5/7/92	[illegible]
SURVEYOR	5/8/92	[illegible]
TRAFFIC DIVISION	5/7/92	[illegible]
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15

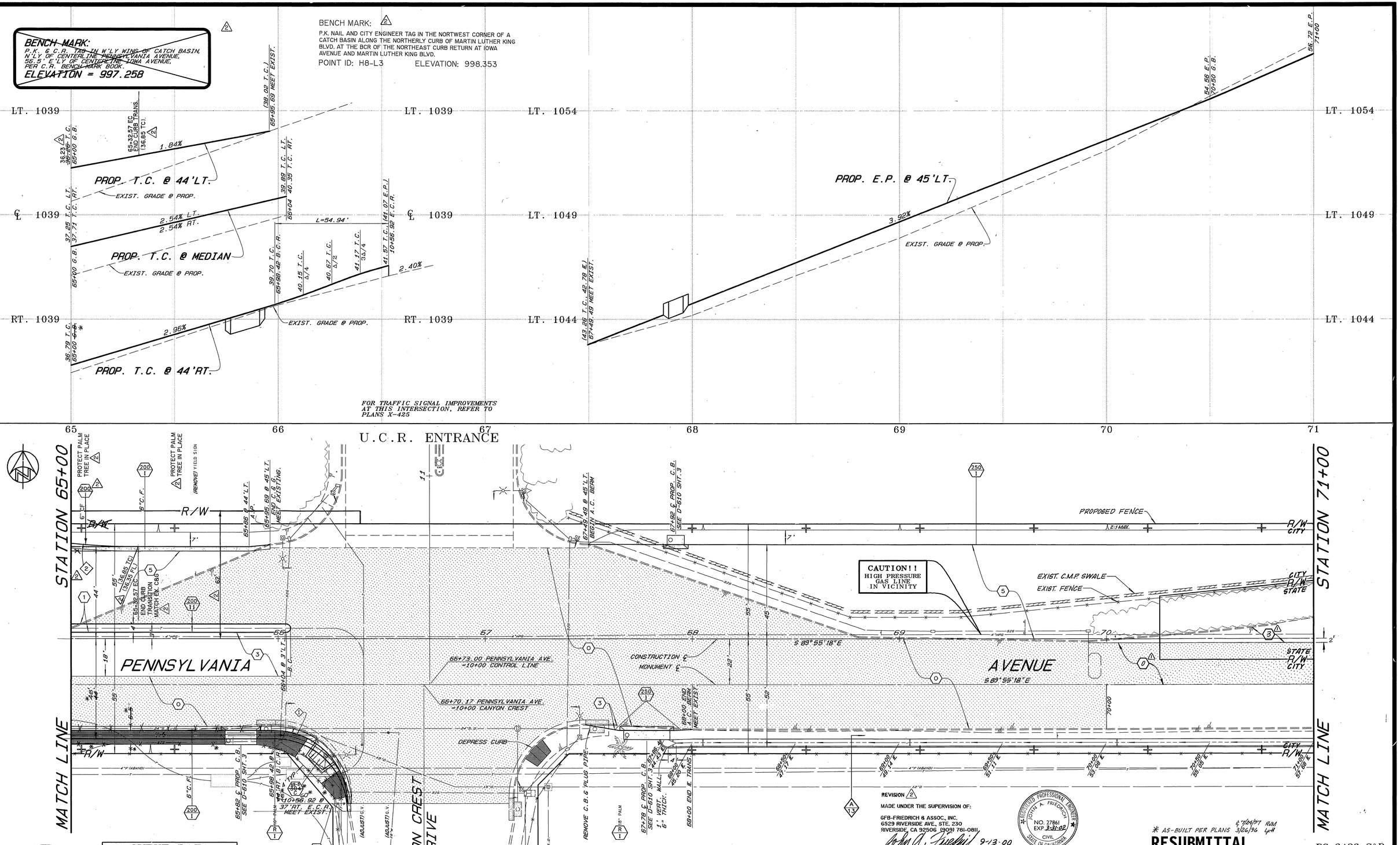
R-3057

SHEET 11 OF 18

INDEXED 7-7-94 LH

~~BENCH MARK:~~
~~P.K. & C.C.R. TAG IN W'LY WING OF CATCH BASIN, N'LY OF CENTERLINE PENNSYLVANIA AVENUE, 56.5' E'LY OF CENTERLINE IOWA AVENUE, PER C.R. BENCH MARK BOOK.~~
~~ELEVATION = 997.258~~

BENCH MARK: (2)
P.K. NAIL AND CITY ENGINEER TAG IN THE NORTWEST CORNER OF A CATCH BASIN ALONG THE NORTHERLY CURB OF MARTIN LUTHER KING BLVD. AT THE BCR OF THE NORTHEAST CURB RETURN AT IOWA AVENUE AND MARTIN LUTHER KING BLVD.
POINT ID: H8-L3 ELEVATION: 998.353



FOR TRAFFIC SIGNAL IMPROVEMENTS AT THIS INTERSECTION, REFER TO PLANS X-425

U.C.R. ENTRANCE

CURVE DATA				
	Δ	R	L	T
1	89°56'32"	35'	54.94'	34.96'
2	08°27'52"	305.72'	45.16'	22.62'

REVISION 2 (12-0)
MADE UNDER THE SUPERVISION OF:
GFB-FRIEDRICH & ASSOC., INC.
6529 RIVERSIDE AVE., STE. 230
RIVERSIDE, CA 92506 (909) 781-0811
JOHN A. FRIEDRICH RCE 27861 EXP. 3-31-02
9-13-00

REGISTERED PROFESSIONAL ENGINEER JOHN A. FRIEDRICH NO. 27861 EXP. 3-31-02 CIVIL STATE OF CALIFORNIA

* AS-BUILT PER PLANS 6/26/97 RJM 3/26/96 GH

RESUBMITTAL

PC 3423-S&P

REGISTERED PROFESSIONAL ENGINEER BENITO URQUIZA JR. No. 33857 Exp. 6-30-94 STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE
2	WIDENED N. SIDE STA. 51+58 TO 64+42.	MT	9-13-00
1	REV. AC. OVERLAY & REMOVAL AREAS.	BU.	3/6/92

DESIGNED BY D.H. DRAWN BY [illegible] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	R.M.C.
PRINCIPAL ENGINEER	5/14/92	BU
CHIEF P.W. INSPECTOR	5/12/92	RRC
SURVEYOR	5/8/92	RJH
TRAFFIC DIVISION	5/7/92	
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

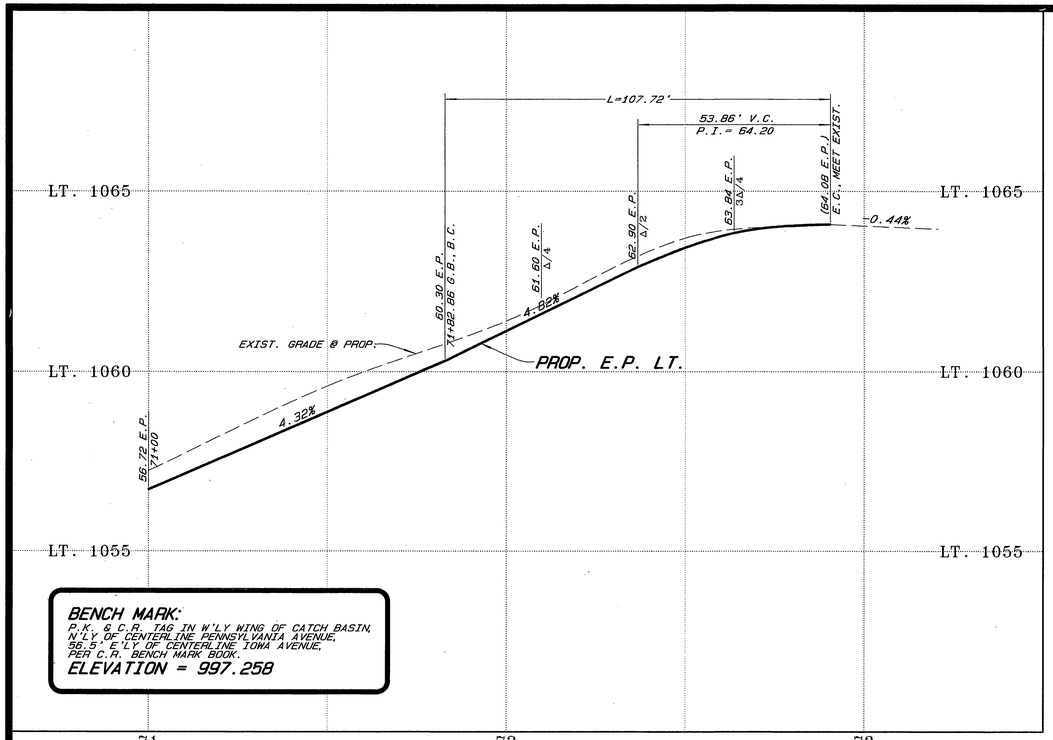
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15

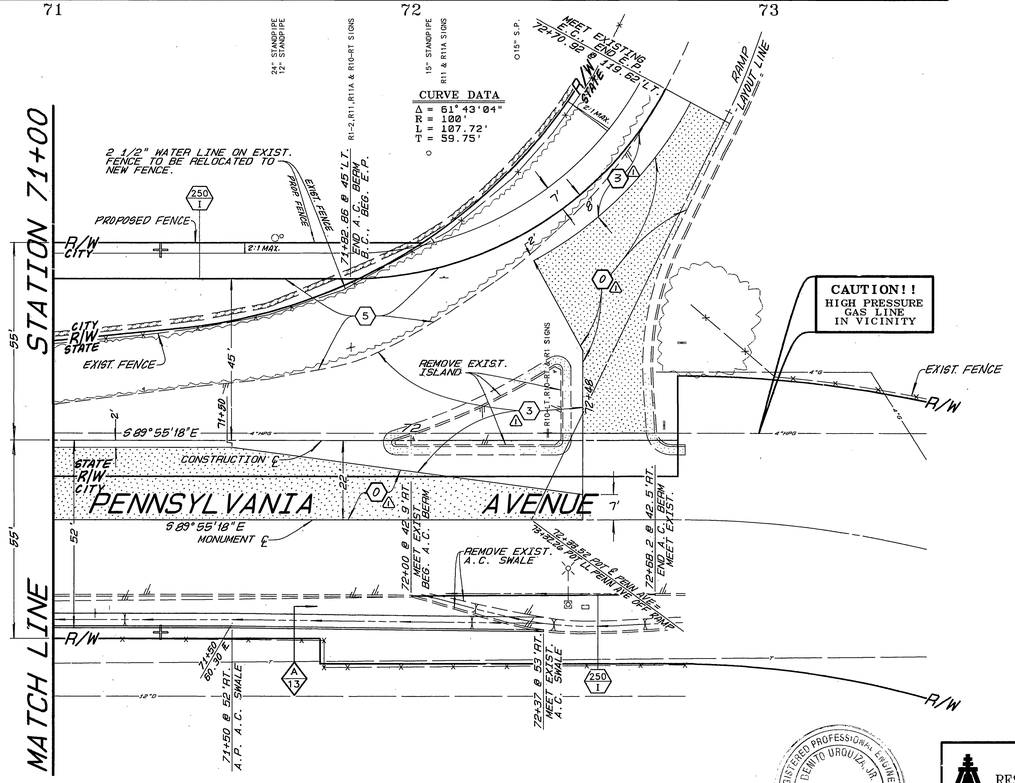
R-3057

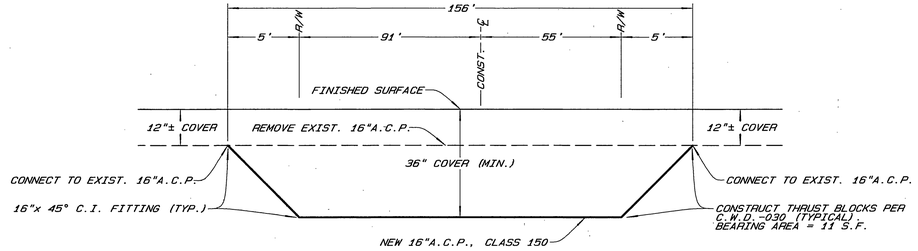
SHEET 12 OF 18

INDEXED 7-7-94 GH



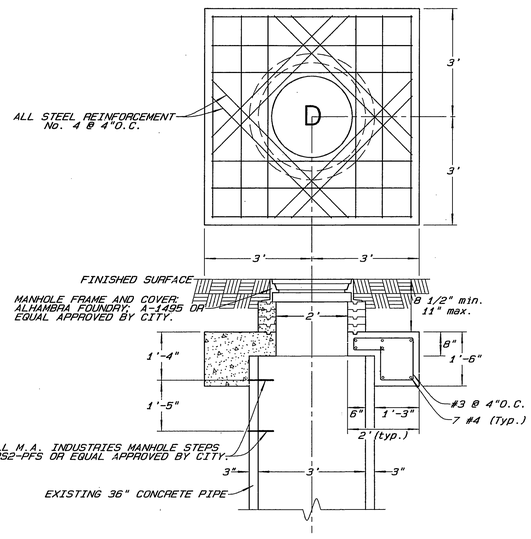
BENCH MARK:
P.K. & C.R. TAG IN W'LY WING OF CATCH BASIN, N'LY OF CENTERLINE PENNSYLVANIA AVENUE, 56.5' E'LY OF CENTERLINE IOWA AVENUE, PER C.R. BENCH MARK BOOK.
ELEVATION = 997.258





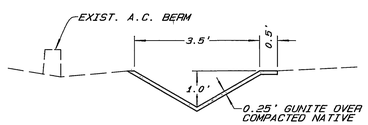
DETAIL "D"
SCHEMATIC - 16" IRRIGATION LINE CROSSING PENNSYLVANIA @ IOWA
N.T.S.

NOTES:
1. DETAILS NOT SHOWN SHALL BE PER STANDARD DRAWING NO. 405.
2. PLACE STEPS IN END WALL OF CATCH BASIN.
3. ELECTRICALLY WELDED STUDS 1/2" x 8" NELSON H4F OR EQUAL MAY BE USED IN LIEU OF THE DEFORMED BAR ANCHORS.

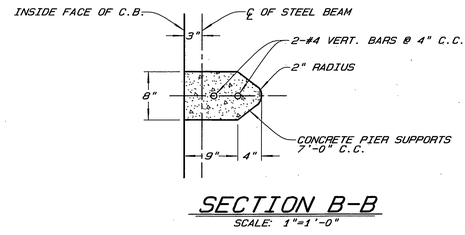


FOR ADDITIONAL DETAILS - SEE STANDARD DRAWING No. 451

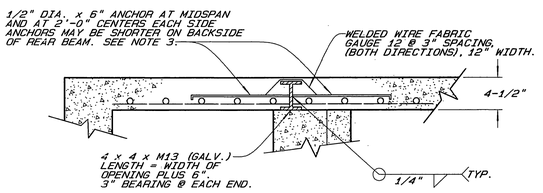
DETAIL "B"
STANDPIPE COVER
SCALE: 1"= 2'



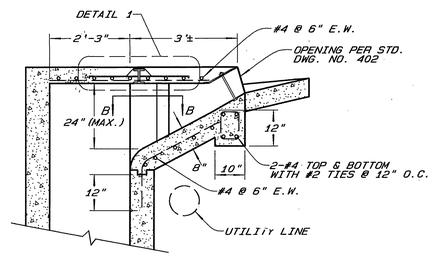
DETAIL "A"
A.C. SWALE
SCALE: 1" = 2'



SECTION B-B
SCALE: 1"=1'-0"



DETAIL 1
SCALE: 1"=1'-0"



* AS-BUILT PER PLANS 3/26/96 LH

DETAIL "C"
CATCH BASIN MODIFICATION
SCALE: 1/2"=1'-0"

RESUBMITTAL

PC 3423-S&P

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

REGISTERED PROFESSIONAL ENGINEER — DENNIS URQUIZA, JR. — No. 33657 Exp. 6-30-94 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	REV. A.C. OVERLAY & REMOVAL AREAS	B.U.	8/2/92

DESIGNED BY D.H. DRAWN BY [illegible] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RWC
PRINCIPAL ENGINEER	5/11/92	[illegible]
CHIEF P.W. INSPECTOR	5/8/92	BSC
SURVEYOR	5/8/92	BJH
TRAFFIC DIVISION	5/7/92	CB
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING
Chicago Ave. to Canyon Crest Dr.
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15
R-3057
SHEET 13 OF 18

INDEXED 7-7-94 LH

LT. 975

RT. 975

0.91%

0.50%

(75.49 T.C. 75.00 E.P.)
3+36.80 MEET EXIST. C & G.

PROP. E.P. LT.

74.69 E.P.
6+00 G.B.

EXIST. GRADE @ PROP.

0.74%

73.95 E.P.
7+00 G.B.

1.24%

71.47 E.P.
9+00

PROP. E.P. @ 33'LT.

EXIST. GRADE @ ℄

(75.96 E.P.)
5+40 MEET EXIST.

EXIST. GRADE @ PROP.

0.82%

PROP. E.P. RT.

75.15 T.C. 74.65 E.P.
7+00 G.B.

1.32%

74.49 T.C.
7+50 G.B.

1.74%

50' V.C.
P.I.=72.32

72.75 T.C.
8+50

72.40 T.C.
8+75

72.19 T.C.
9+00

PROP. T.C. @ 51'RT.

BENCH MARK:
P.K. & C.R. TAG IN CENTER OF SOUTH WEST CURB RETURN AT PENNSYLVANIA AVENUE AND CHICAGO AVENUE PER C.R. BENCH MARK BOOK.
ELEVATION = 971.111

3 4 5 6 7 8 9

MATCH LINE STATION 9400 SEE SHEET 3

3+36.80 @ 23.1'LT.
MEET EXIST. C & G.
BEGIN E.P. (TYP.)
(PROTECT IN PLACE)
(RELOCATE) GATE

16" WIER

3+64 @ 23.1'LT.
BEGIN A.C. BERM

(RELOCATE BY OTHERS) ETS

W-66 SIGN

7+00 @ 32'LT.
A.P.

PROPOSED R/W

EXISTING R/W

R/W

CONSTRUCTION ℄

CHICAGO AVENUE

5+40 @ 35'RT.
BEGIN A.C. BERM
MEET EXISTING E.P.

7+00 @ 51'RT.
END A.C. BERM
BEGIN C. & G.

6'C.F.

P.P. ST. LIGHT #18464
(RELOCATE BY OTHERS)

FREEWAY SIGN

COMB. P.P. #7570681
(RELOCATE BY OTHERS)

* AS-BUILT PER PLANS 3/26/96 LFH PC 3423-S&P

REGISTERED PROFESSIONAL ENGINEER
BEN TO URQUIZA, JR.
No. 33657
Exp. 6-30-94
CIVIL
STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE

BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94

DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE
1	ADDED WEST SIDE OF STREET TO CONSTRUCTION SCOPE	B.U.	6/2/92

DESIGNED BY D.H. DRAWN BY [illegible] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/1992	R.M.G.
PRINCIPAL ENGINEER	5/11/92	[illegible]
CHIEF P.W. INSPECTOR	5/7/92	[illegible]
SURVEYOR	5/8/92	MPH
TRAFFIC DIVISION	5/7/92	[illegible]
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

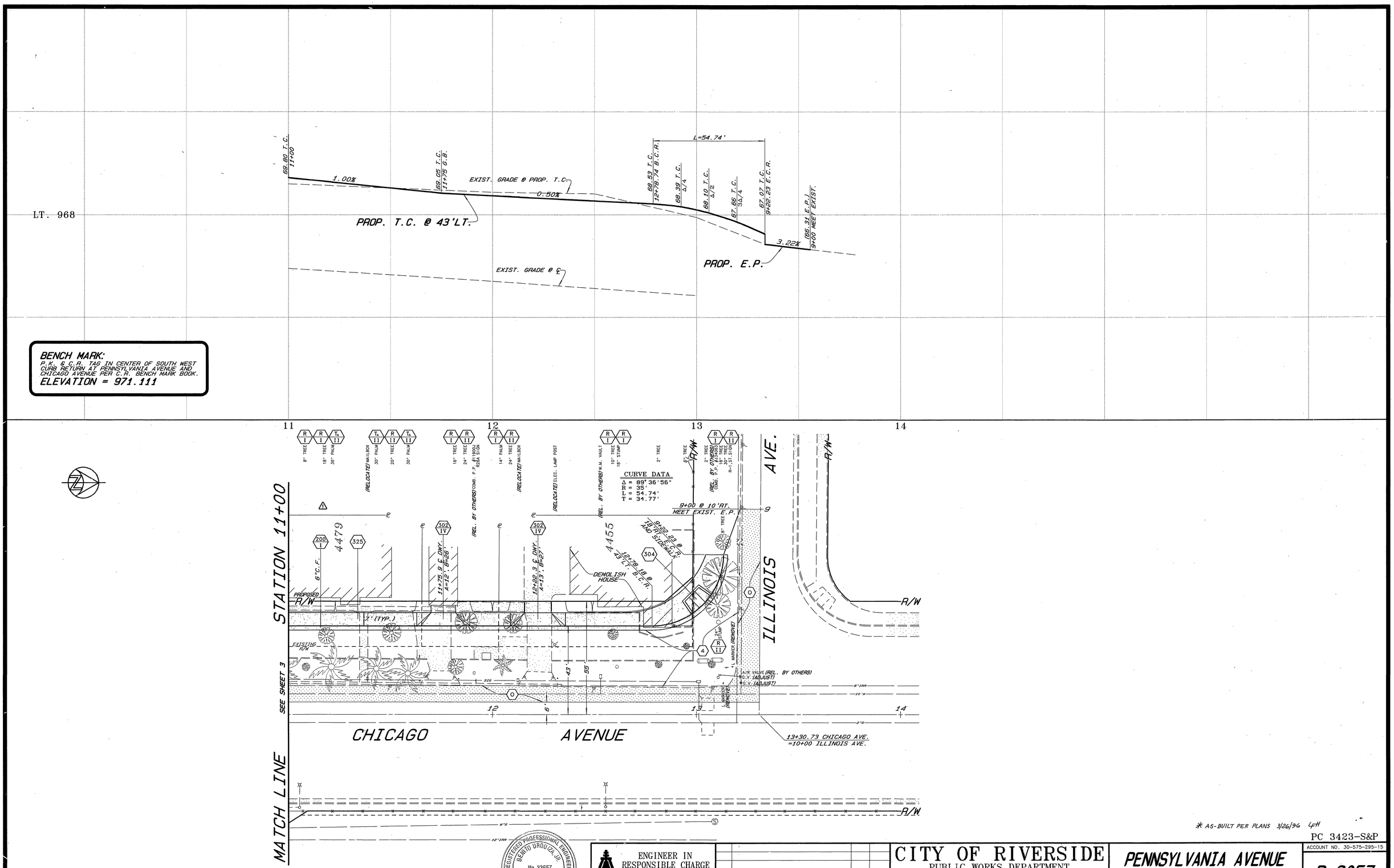
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

ACCOUNT NO. 30-575-295-15

R-3057

SHEET 14 OF 18

INDEXED 7-7-94 LFH



REGISTERED PROFESSIONAL ENGINEER
BENITO URQUIZA, JR.
No. 33657
Exp. 6-30-94
CIVIL
STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE

BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94

DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE
1	Added North Side of Pennsylvania Ave. to Construction Scope.	BU.	11/9/92

DESIGNED BY O.H. DRAWN BY [illegible] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RMG
PRINCIPAL ENGINEER	5/11/92	[illegible]
CHIEF P.W. INSPECTOR	5/7/92	[illegible]
SURVEYOR	5/8/92	[illegible]
TRAFFIC DIVISION	5/7/92	[illegible]
~~PARKS DEPARTMENT~~		
~~STREET SERVICES~~		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

PC 3423-S&P

ACCOUNT NO. 30-575-295-15

R-3057

SHEET 15 OF 18

* AS-BUILT PER PLANS 3/26/96 GH

INDEXED 7-7-94 GH

LT. 995

C/L 995

RT. 995

96.51 T.C.
11+00.45 E.C.R.

0.64%

PROP. E.P. @ 38'LT.

96.83 F.S.
11+00

0.42%

PROP. ℄

97.64 T.C.
11+12.90 B.C.R.

1.00%

PROP. E.P. @ 24'RT.

96.20 F.S.
12+50

96.74 F.S.
13+00

95.20 F.S.
13+50

94.82 E.P.
13+45 G.B.

EXIST. GRADE @ PROP.

94.66 F.S.
14+00

93.68 E.P.
14+65 G.B.

94.24 F.S.
14+50

93.87 F.S.
15+00

93.50 F.S.
15+50

93.01 E.P.
16+00 G.B.

EXIST. GRADE @ ℄

0.60%

PROP. E.P. LT.

92.87 E.P.
16+00 G.B.

93.31 F.S.
16+00

93.11 F.S.
16+50

0.71%

PROP. E.P. RT.

0.46%

(92.41 E.P.)
17+00 MEET EXIST.

(92.92)
17+00 MEET EXIST.

0.40%

(92.61 E.P.)
17+00 MEET EXIST.

BENCH MARK:
P.K. & C.R. TAG IN W'LY WING OF CATCH BASIN. N'LY OF CENTERLINE PENNSYLVANIA AVENUE, 56.5' E'LY OF CENTERLINE IOMA AVENUE. PER C.R. BENCH MARK BOOK.
ELEVATION = 997.258

11 12 13 14 15 16 17

STATION 11+30

MATCH LINE

SEE SHEET 7

8" TREE
20" TREE
20" TREE
14" TREE
18" TREE

380

END FENCE @ 14+70

13+45 @ 38'LT.
A.P. OF E.P.

14+65 @ 28'LT.
A.P. OF E.P.

17+00 @ 16'LT.
MEET EXIST. E.P.

17+00 @ 12.8'RT.
MEET EXIST. E.P.

13+45 @ 24'RT.
A.P. OF E.P.

R/W

IOWA

AVENUE

CONSTRUCTION ℄

12" OD BEG OVERLAY

17+00 END OVERLAY

10"IRR

12"HPG

16"W

16"W.I.C.W.)

CAUTION!!
HIGH PRESSURE
GAS LINE
IN VICINITY

* AS-BUILT PER PLANS 3/26/96 LH

PC 3423-S&P

ACCOUNT NO. 30-575-295-15

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

REGISTERED PROFESSIONAL ENGINEER
BENITO URQUIZA, JR.
No. 33657
Exp. 6-30-94
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY R.H. DRAWN BY [illegible] CHECKED BY B.U.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	R.H.
PRINCIPAL ENGINEER	5/11/92	
CHIEF P.W. INSPECTOR	5/7/92	Dee
SURVEYOR	5/14/92	WPH
TRAFFIC DIVISION	5/7/92	
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

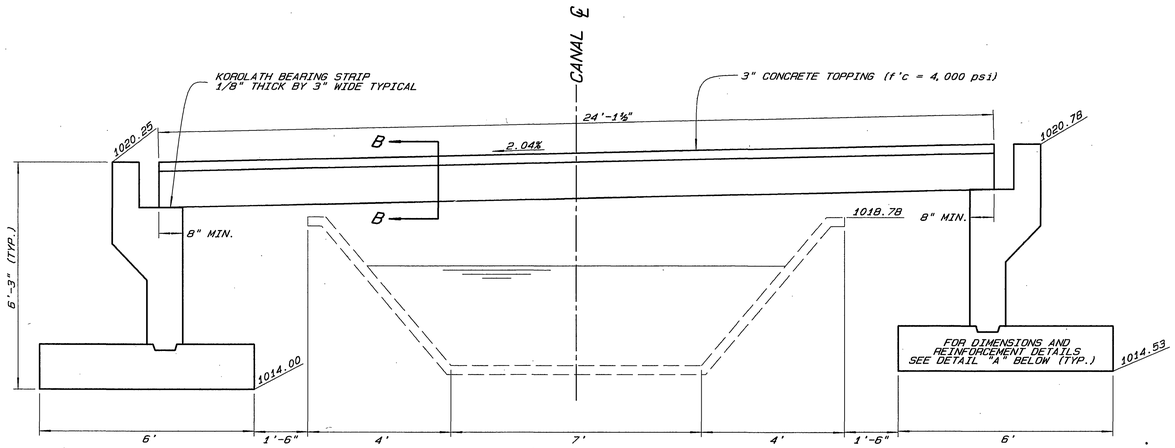
Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

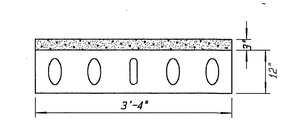
R-3057

SHEET 16 OF 18

INDEXED 7-7-94 LH



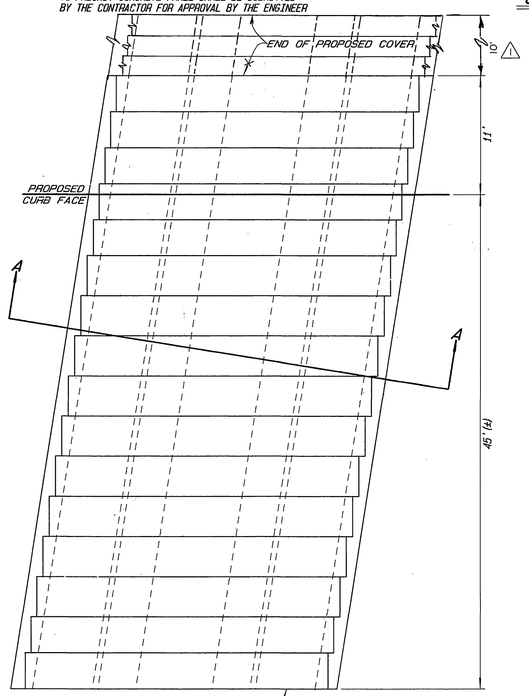
SECTION A-A



SECTION B-B

PRESTREEED PRECAST CONCRETE PANELS NOTES:

1. PANELS SHALL BE MANUFACTURED IN ACCORDANCE WITH "SPANCRETE OF CALIFORNIA" SPECIFICATIONS OR EQUAL APPROVED BY THE CITY
2. LOADING = HS20-44 WITH 20% IMPACT
3. GOVERNING CODE = UBC
4. CONCRETE f'c =4,000 psi
5. 8 - 1/2" Ø PRESTRESSING STRANDS, f_{pu} =270k
6. FIRE COVER =2"
7. DOWEL DETAIL OF CURB INTO PRECAST PANELS SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
8. CONNECTION DETAIL OF CHAIN LINK FENCE TO PRECAST CONCRETE PANEL SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER



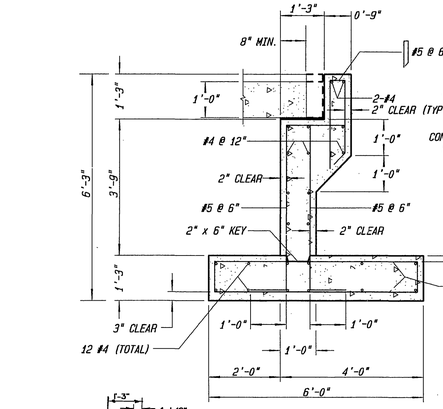
PLAN VIEW
GAGE CANAL COVER

NOTES: ⚠1

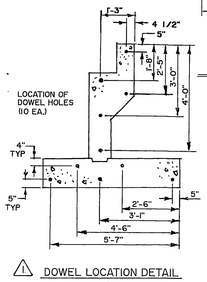
INSTALLATION OF DOWELS SHALL BE PER CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, LATEST EDITION, SECTION 51-1.13 "BONDING" FOR NEW CONCRETE JOINED TO EXISTING CONCRETE. THE DEPTH OF DOWEL HOLES SHALL BE 8". THE DIAMETER SHALL EQUAL 1/4" (6mm) LARGER THAN THE NOMINAL DIAMETER OF THE DOWELS.

DOWELS SHALL BE #4 BARS - EXPOSED LENGTH OF DOWELS SHALL BE 8" MIN.

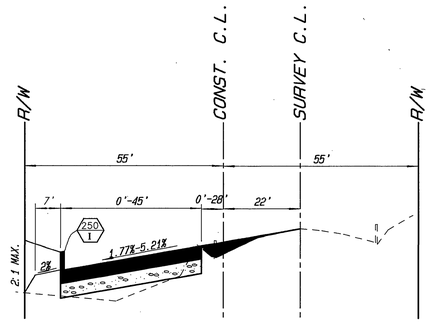
FOR STRUCTURAL DIMENSIONS AND REINFORCING STEEL, SEE CITY PLAN #R-3057, SHEET 17.



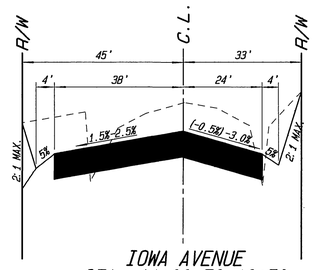
DETAIL "A"



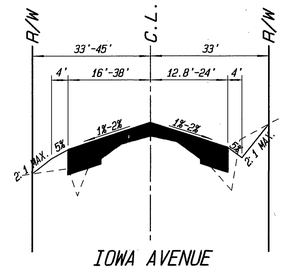
⚠1 DOWEL LOCATION DETAIL
N.T.S.



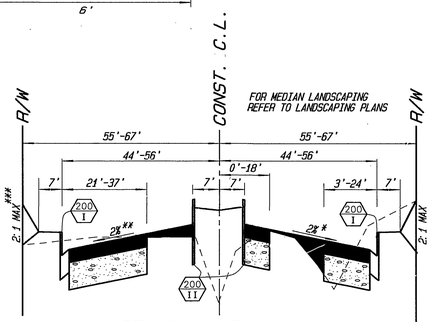
PENNSYLVANIA AVENUE
STA. 67+49.49 TO 71+82.86
STRUCTURAL SECTION 0.35' AC /0.40' CAB



IOWA AVENUE
STA. 11+00 TO 12+50
STRUCTURAL SECTION 0.75' AC OVER NATIVE

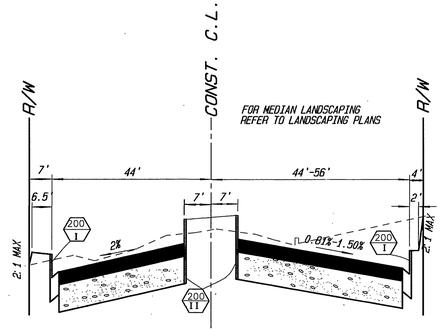


IOWA AVENUE
STA. 12+50 TO 17+00
STRUCTURAL SECTION 0.75' AC OVER NATIVE

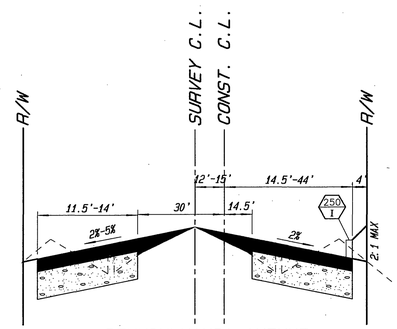


PENNSYLVANIA AVENUE
STA. 13+00 TO 66+00
STRUCTURAL SECTION: 0.35' AC /0.75' CAB (STA. 13+00 TO 41+00)
0.35' AC /0.40' CAB (STA. 41+00 TO 66+00)

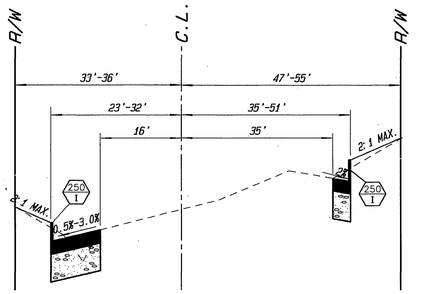
* 0.5% - 2.0% STA. 65+00 TO STA. 66+00
** 2.0% - 3.0% STA. 65+00 TO STA. 66+00
*** 1:1 MAX. STA. 30+00 TO 35+00 AND STA. 50+00 TO 63+00



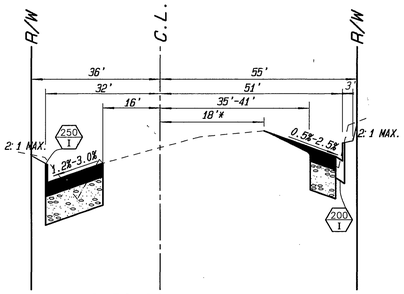
PENNSYLVANIA AVENUE
STA. 10+18 TO 13+00 (RT.)
STA. 9+94.40 TO 13+00 (LT.)
STRUCTURAL SECTION: 0.35' AC /0.75' CAB



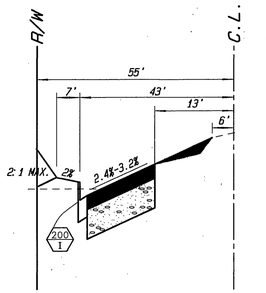
PENNSYLVANIA AVENUE
STA. 6+00 TO 10+18 (RT.)
STA. 6+00 TO 9+94.40 (LT.)
STRUCTURAL SECTION: 0.35' AC /0.75' CAB



CHICAGO AVENUE
STA. 3+36.80 TO 7+00 LT.
STA. 5+40 TO 7+00 RT.
STRUCTURAL SECTION: 0.35' AC /0.75' CAB



CHICAGO AVENUE
STA. 7+00 TO 9+20
STRUCTURAL SECTION: 0.35' AC /0.75' CAB
* BEGIN A.C. OVERLAY AT STA. 8+00



CHICAGO AVENUE
STA. 10+78.47 TO 12+78.18
STRUCTURAL SECTION: 0.35' AC /0.75' CAB

REVISION ⚠1
MADE UNDER THE SUPERVISION OF:

GFB-FRIEDRICH & ASSOC, INC.
6529 RIVERSIDE AVE., STE. 230
RIVERSIDE, CA 92506 (909) 781-0811

JOHN A. FRIEDRICH RCE 27861 EXP. 3-31-02 — 9-13-00

REGISTERED PROFESSIONAL ENGINEER — JOHN A. FRIEDRICH — NO. 27861 EXP. 3-31-02 — CIVIL — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — BENITO URQUIZA, JR. — No. 33657 Exp. 6-30-94 — CIVIL — STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE

BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94

DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE
⚠1	ADD 10' WIDTH TO N. SIDE OF BRIDGE	MF	9-13-00

DESIGNED BY DH DRAWN BY DH CHECKED BY B.U.

RESUBMITTAL * AS-BUILT PER PLANS 3/26/96 LH

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/8/92	RMG
PRINCIPAL ENGINEER	5/8/92	BU
CHIEF P.W. INSPECTOR	5/7/92	RSC
SURVEYOR	5/5/92	DJH
TRAFFIC DIVISION	5/7/92	JS
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/11/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

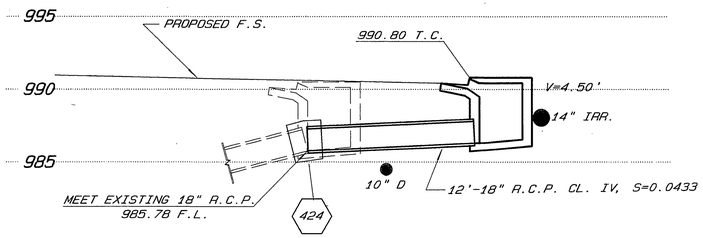
THE DETAILS ON THIS SHEET ARE NOT TO SCALE

ACCOUNT NO. 30-575-295-15

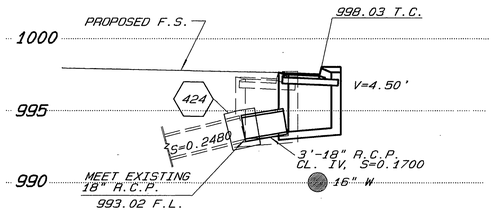
R-3057

SHEET 17 OF 18

INDEXED 7-7-94 LH



STA. 33+57 (SOUTH INLET)



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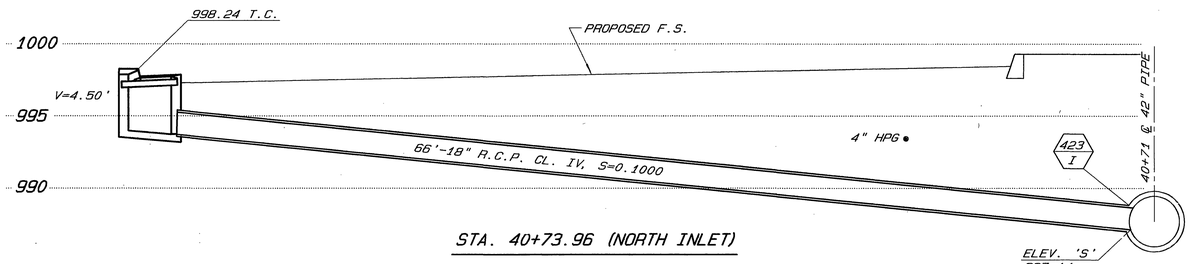

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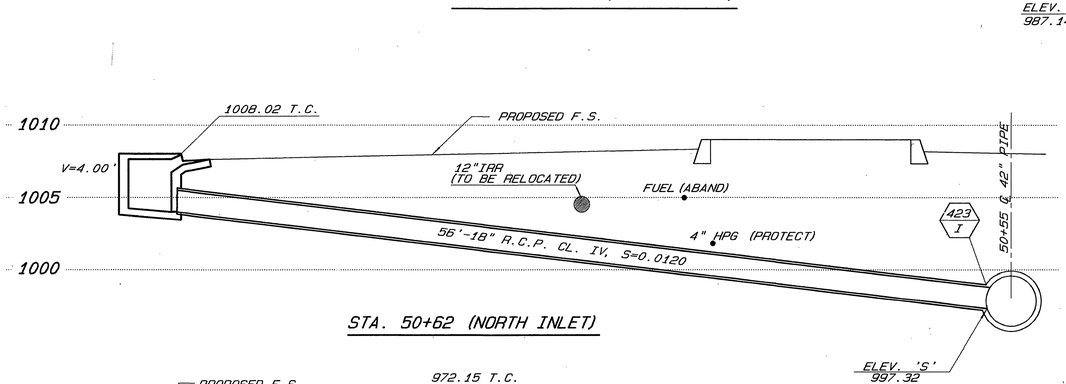

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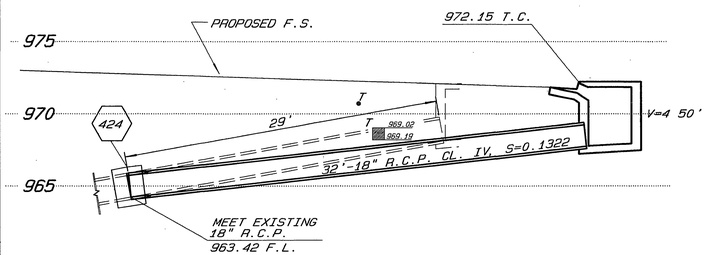
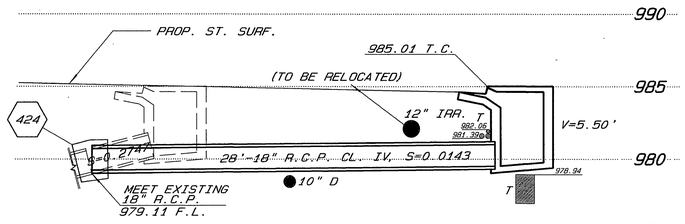


STA. 9+14.86 (EAST INLET)
CHICAGO AVE.

NOTE:

ALL UTILITY DEPTHS AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTING CATCH BASINS AND LATERALS.



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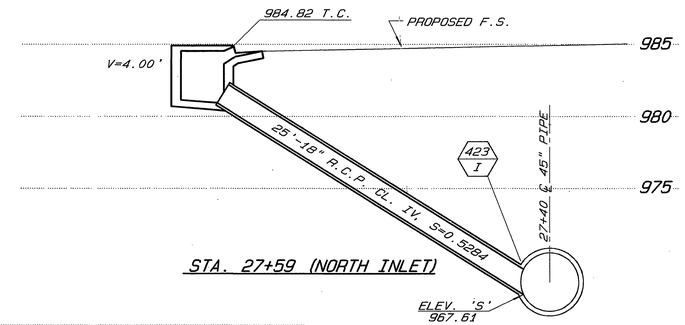

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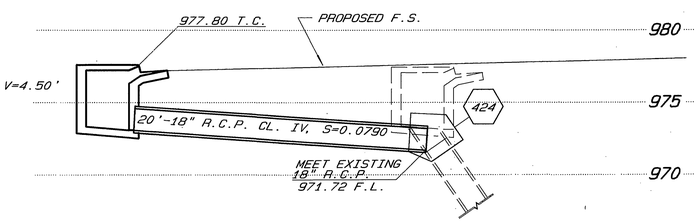

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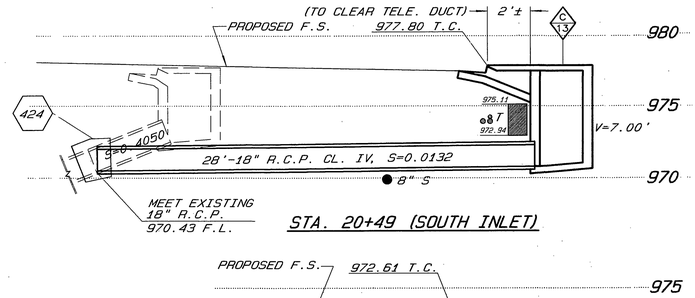

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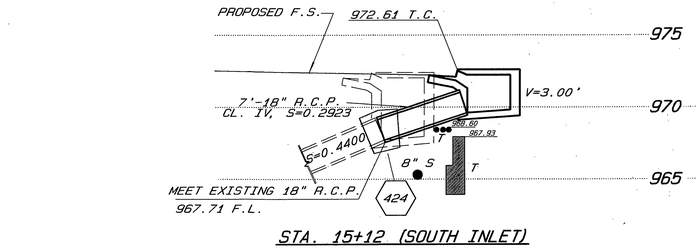

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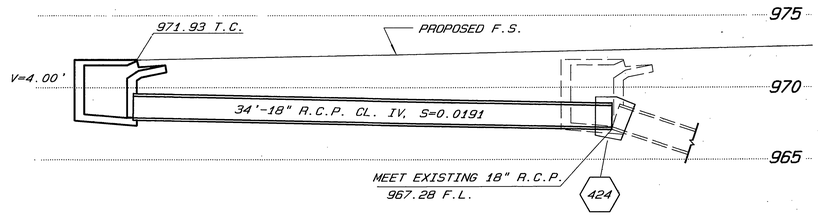

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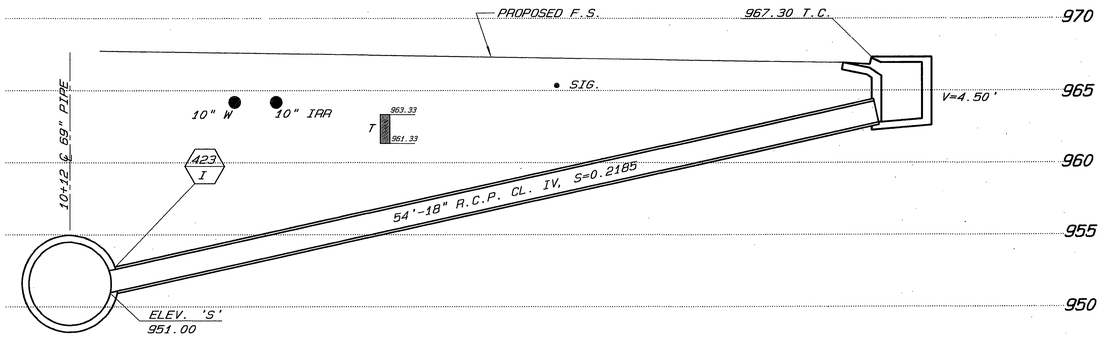

STA. 10+24 (SOUTH INLET)

* AS-BUILT PER PLANS 3/26/96 LFH

REGISTERED PROFESSIONAL ENGINEER
BENITO URQUIZA, JR.
No. 33657
Exp. 6-30-94
CIVIL
STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
BEN URQUIZA
R.C.E. 33657 Expires: 6/30/94
DATE MAY 7, 1992

MARK	REVISIONS	APPR.	DATE

DESIGNED BY PH. DRAWN BY Im CHECKED BY BU

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
DEPUTY P.W. ENGINEER	5/13/92	RHG
PRINCIPAL ENGINEER	5/11/92	JC
CHIEF P.W. INSPECTOR	5/12/92	BC
SURVEYOR	5/8/92	RHH
TRAFFIC DIVISION	5/7/92	JCD
PARKS DEPARTMENT		
STREET SERVICES		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5/14/92

PENNSYLVANIA AVENUE WIDENING

Chicago Ave. to Canyon Crest Dr.

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'

ACCOUNT NO. 30-575-295-15

R-3057

SHEET 18 OF 18

INDEXED 7-7-94 LFH