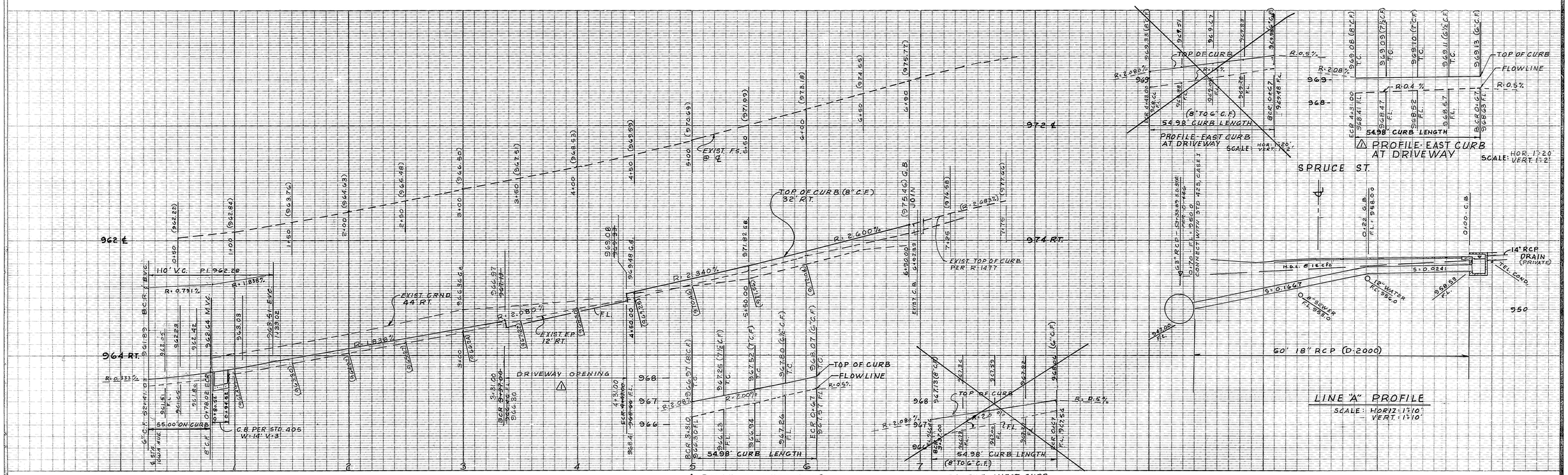
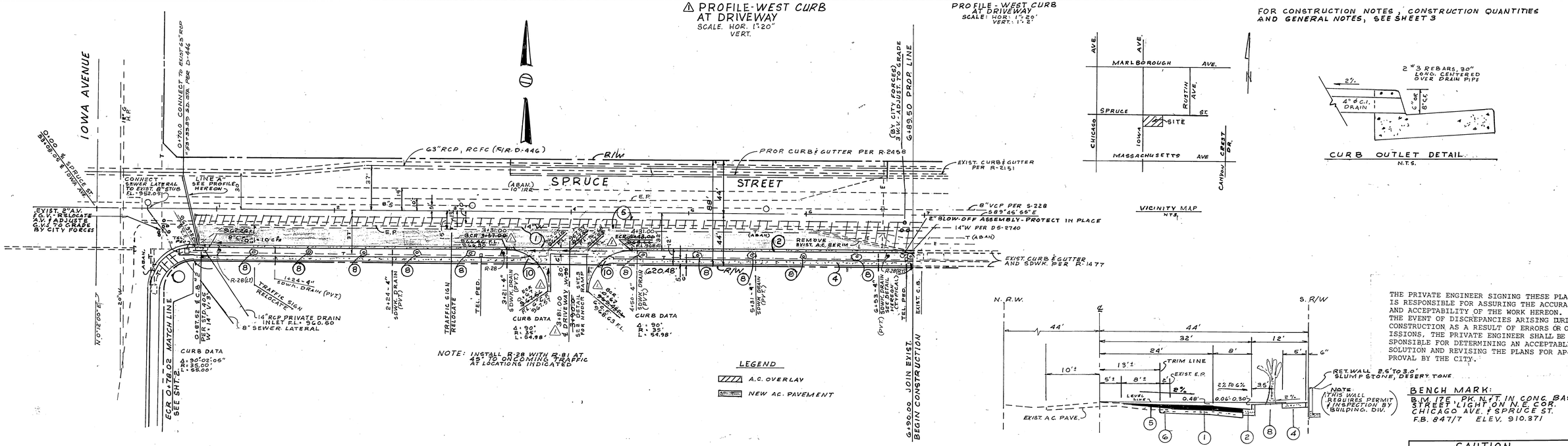









FOR CONSTRUCTION NOTES, CONSTRUCTION QUANTITIES AND GENERAL NOTES, SEE SHEET 3

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION AS A RESULT OF ERRORS OR OMISSIONS, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

BENCH MARK:
B.M. 176 PK NAIL IN CONC. BASE STREET LIGHT ON N.E. COR. CHICAGO AVE. & SPRUCE ST.
F.B. 847/7 ELEV. 910.371

CAUTION
HIGH PRESSURE GAS LINE
24 HRS. BEFORE EXCAVATING IN THIS AREA CONTACT GENE TUCKER, SO. CAL. GAS CO.
(714) 781-6115

| ELECTRIC DEPT | WATER DEPT. | SO. CAL. GAS CO | TELEPHONE CO. |
|---|---|---|---|
| [signature] 3/28/84 | [signature] 4-5-84 | [signature] 4-2-84 | [signature] 4-4-84 |

BAUGHMAN, SHREENAN & ASSOCIATES, INC.
CIVIL ENGINEERING
20505 VALLEY BLVD. SUITE 101 WALNUT, CALIF. 91789
PHONE: (213) 965-4394 (714) 594-0506
Ray O. Baughman R.C.E. 17956

| MARK | REVISIONS | APPR. | DATE |
|---|---|---|---|
| 1 | RELOCATED DRIVEWAY P.D.B. | WLH | 7/1/85 |

DESIGNED BY R.S.S. DRAWN BY R.S.S. CHECKED BY R.S.S.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

| | BY | DATE |
|---|---|---|
| APPROVED BY PRINCIPAL ENGINEER | [signature] | 4/26/84 |
| PARK DEPARTMENT | [signature] | 4/26/84 |
| TRAFFIC DIVISION | [signature] | 4/26/84 |
| CHIEF PUB. WKS. ENGR. | [signature] | 4-26-84 |
| PLANNING | [signature] | 4-26-84 |

APPROVED BY [signature] DIRECTOR OF PUBLIC WORKS
DATE 6/26/84

STREET IMPROVEMENT PLAN
PRD-2-834 & R-13-834
SPRUCE STREET (S/S)
FROM IOWA AVE. E'LY 690'
SCALE: 1"=40' HOR. 1"=4' VERT.

ACCOUNT No.
DRAWING NUMBER R-2583
SHEET 1 OF 3

INDEX 4F

*As built 11/86 TE

90-140

EXIST TOP OF CURB, WEST SIDE PER R-1619

PROPOSED FLOWLINE GRADE & RS RT.

EXIST F.S. AT ℄

EXIST GRND @ 50' RT.

TOP OF CURB 43' EAST (G.C.F.)

EXIST. F.S. @ E.P. 15' RT.

DRIVE WAY OPENING

100' V.C. PI 96029

110' V.C. PI = 962.28

CROWN LINE

960 LT.

960 ℄

960 RT.

PROP. LINE

EXIST. 18" STORM DRAIN PER D-238

950.11 FL. OUTLET

EXIST CURB & GUTTER AND SDWK PER R-1619

IOWA AVENUE

SPRUCE STREET

SS+08.05 ℄ IOWA AVE. & O'DOD ℄ SPRUCE ST.

PROPOSED 42" RCP S.D. SEE D-454

63"RCP S.D PER D-446

PER DS-1976

NO-12-00E

TRAFFIC SIGNAL TO BE RELOCATED (SEE SHT. 8)

REMOVE 20'± OF EXIST. C.M.P. & FLARED INLET

962.64 TC
961.97 FL

GRADE AREA TO DRAIN

REMOVE EXIST. HEADWALL & SEAL INLET

TC 960.60
FL. 960.10

CONSTRUCT 15"-18"RCP 47+41.38 ℄ TO 47+61.38 ℄ PER S-10, W-2.5

RELOCATED PALM TREE

45'(TYP.)

48+02 SDWK. DRAIN (PVT.)

48+41.05 ℄ SDWK. DRAIN 411'-WIDTH-2'

49+02 4" SDWK. DRAIN (PVT.)

℄ DRIVEWAY W. 24' SEE DETAIL SHTS. FOR HANDICAP RAMP LOCATION

CURB DATA
Δ = 90°
R = 35'
L = 54.98'

R-28 / R-81

590.98

TEL. VAULT ADJUST TO GRADE

4" DRAIN (PVT.)

50+89.4" SDWK. DRAIN (PVT.)

51+39 SDWK.

50+06 4" SDWK. DRAIN (PVT.)

TOWARD ERECTA-SHADE WAY

TRAFFIC SIGN TO BE RELOCATED

52+38.4" SDWK. DRAIN (PVT.)

52+44.03 B.C.R.

52+78.02 E.C.R.

CURB DATA
Δ = 90°02'05"
R = 35'
L = 55.00'

TRANSITION SIDEWALK PER STD 120 TYPE I

MATCH LINE SHT. 1

88'
44' 44'
30'
12'
5.0'
0.6'

SHEET 1

S89°45'55"E

CAUTION
TELEPHONE CABLE DIRECTLY UNDER CURB LINE - NOTIFY TELEPHONE CO. (714) 359-2883 48 HRS. BEFORE STARTING WORK

NOTE: INSTALL R-28 WITH R-81 AT 45' TO ONCOMING TRAFFIC AT LOCATIONS INDICATED

LEGEND
A.C. OVER LAY
NEW A.C. PAVEMENT

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION AS A RESULT OF ERRORS OR OMISSIONS, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

PROFILE - S CURB AT DRIVEWAY
SCALE: HOR: 1"=20' VERT: 1"=4'

PROFILE - N CURB AT DRIVEWAY
SCALE: HOR: 1"=20' VERT: 1"=4'

PROFILE - C.B.#1 CONNECTION PIPE
SCALE: HOR = VERT: 1"=4'

F.S. @ E. PIPE

C.B.#1

H.G.L. @ 75 c.f.s.

96.8 S.D.

42" S.D.

S=1.41.8'

FL. 950.70

CONNECT STD 423 CASE 2

15" 18"RCP (2000D)
CASE I BEDDING

FOR CONSTRUCTION NOTES, CONSTRUCTION QUANTITIES AND GENERAL NOTE, SEE SHEET 8

TYPICAL SECTION
IOWA AVENUE
NTS
T.I.-8

BENCH MARK:
BM ITE, PK. N℄T IN CONC. BASE, STREET LIGHT
N.E. COR., CHICAGO AVE. & SPRUCE ST.
F.B. 847/7 ELEV. 910.371

* As built 11/86 TE

INDEX ℄E

| ELECTRICAL DEPT. | WATER DEPT. | SO. CAL. GAS CO. | TELEPHONE CO |
|---|---|---|---|
| 3/16/84 | 4-5-84 | 4-2-84 | 4-1-84 |

BAUGHMAN, SHREENAN & ASSOCIATES, INC.
CIVIL ENGINEERING
20505 VALLEY BLVD. SUITE 101 WALNUT, CALIF. 91789
PHONE: (213) 965-4394 (714) 594-0506
Ray O. Baughman
R.C.E. 17956

| MARK | REVISIONS | APPR. | DATE |
|---|---|---|---|
| 1 | SET EQUATION | WWK | 9/6/84 |

DESIGNED BY R08 DRAWN BY R08 CHECKED BY RJS/RJS

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

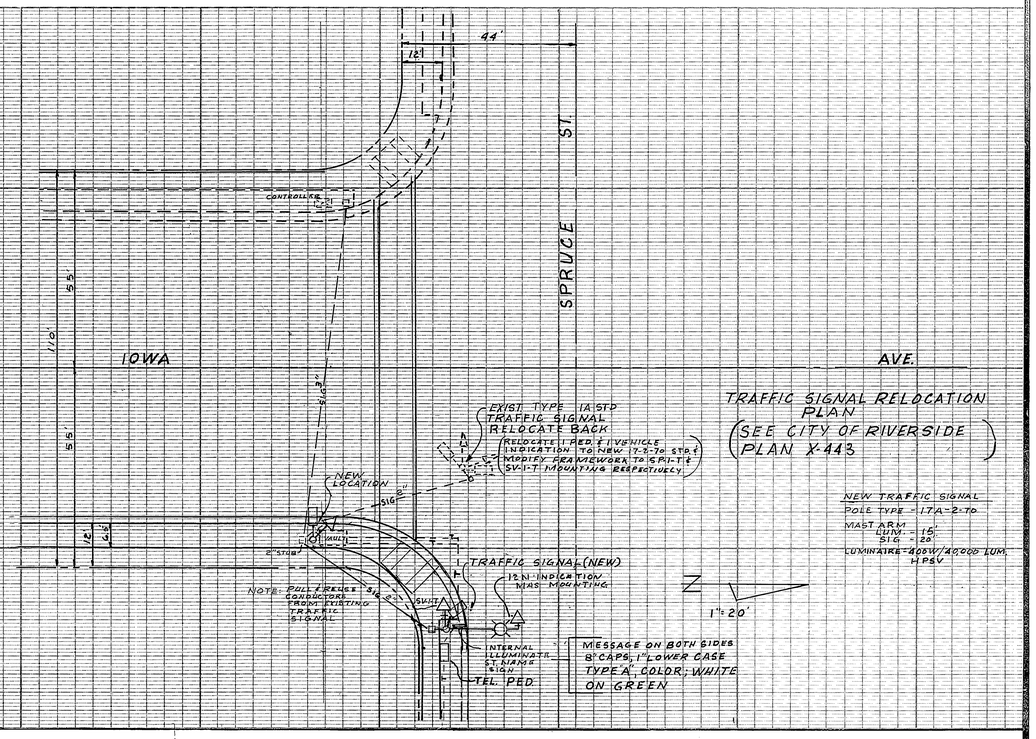
| APPROVED BY | BY | DATE |
|---|---|---|
| PRINCIPAL ENGINEER | | 6/25/84 |
| PARK DEPARTMENT | | 6/27/84 |
| TRAFFIC DIVISION | | 6/25/84 |
| CHIEF PUB. WKS. ENGR. | | 6/26/84 |
| PLANNING | | 6/26/84 |

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6/26/84

STREET IMPROVEMENT PLAN
PRD-2-834 & R-13-834
IOWA AVENUE (E/S)
FROM SPRUCE ST. S'LY 658'

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

ACCOUNT No.
DRAWING NUMBER
R-2583
SHEET 2 OF




TRAFFIC SIGNAL RELOCATION PLAN
(SEE CITY OF RIVERSIDE PLAN X-443)

NEW TRAFFIC SIGNAL
POLE TYPE - 17A-2-TO
MAST ARM
LUM. - 15'
SIG. - 20'
LUMINAIRE-400W/46000 LUM. HPSV

## GENERAL NOTES

1. It shall be the responsibility of the contractor to clear the right of way in accordance with the provisions of law as it effects each utility including irrigation lines and appurtenances and at no cost to the City.

2. Construction shall be in accordance with the City of Riverside Department of Public Works, standard drawings and the standard specifications for public works construction, 1982 ed.

3. Trim edge of existing pavement where new pavement joins to a smooth straight line. Construct match-up paving as shown on plan and overlay paving as directed in the field to produce a smooth section. Private engineer estimates overlay to be 158 tons.

4. Curb and gutter shall be staked with 3' offsets at 25' intervals.

5. Curb and gutter shall be staked with 3' offsets at 12.5' intervals and two rows of number 3 rebar shall be placed in gutter where grade is less than 0.40%. Place 3/4' dowel pins at all expansion joints.

6. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.

7. Street opening permit for construction and/or modification of traffice signal facilities required.

8. See "Street Lighting Plans" for quantity and location of required street lights.

9. Developer and/or contractor to give R.C.F.C 5 days written notice prior to starting work on storm drain. (or doing any work within R.C.F.C. easements). R.C.F.C. encroachment permit No.

10. The contractor shall call in a location request to underground service alert (USA), phone No. 1-800-422-4133, two days before digging. No construction permit issued by the Public Works Department involving excavation and underground facilities will be valid unless the applicant has been provided an inquiry identifiaction number by the U.S.A.

11. The private engineer preparing these plans shall be responsible for preserving or re-establishing and referencing survey monuments destroyed, disturbed or buried as a result of construction shown hereon.

12. On all areas within public right of way where the fill is one (1) foot or greater a letter will be required from the soils engineer certifying the compaction of the fill below subgrade, prior to issuance of the construction permit/cut sheets.

13. For mailboxes for business, mobilehomes parks or apartment houses, developer to check with the U.S.P.S. for the number and location of mailboxes.

14. Final striping for traffice control and/or pavement marking to be the responsibility of the developer.

15. All flagged elevations shall be staked in the field by the private engineer.

16. Developer to give City Water Division five (5) working days written notice prior to start of construction and to allow City ten (10) working days for completion of work.(714 787-7611)

## PARK AND RECREATION DEPT. NOTES

1. All related work shall conform to the City of Riverside, Park and Recreation Department Standards.

2. Contact the Park Projects Inspector a minimum of 48 hours in advance at 787-7223 to schedule inspections. Inspections shall be required: a) when plant locations have been spotted in the field prior to digging plant pits, b) while digging plant pits and planting/relocating trees, c) after planting and all other indicated or specified work has been completed for start of maintenance, and d) at end of maintenance/final acceptance (developer will be released from maintenance only upon receipt of written notification from the city that the Park and Recreation Department is assuming maintenance responsiblities).

3. The Developer shall maintain all plantings for a minimum period of one (1) year.

4. Street Tree planting shall be as follows:

| | Street Name | Botanical Name/Common Name | Min. Size | Approx. Spacing | No. Req. |
|---|---|---|---|---|---|
| a. | Iowa Avenue | Relocate robusta palm trees as shown | | | 12 |
| b. | Spruce St. | washingtonia filiferal/ california fan palm | 4' (brown trunk) | 45' | 11 |

5. A Public Works Department permit is required prior to commencement of tree relocation and/or removal work. For all trees within the ultimate pavement area, backfill of all holes is to be inspected by the City for proper compaction.

## QUANTITY ESTIMATE

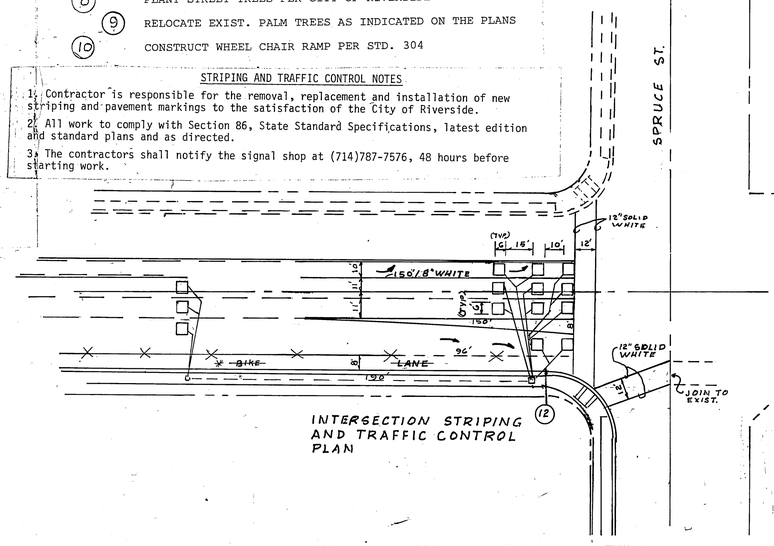
| | |
|---|---|
| CURB & GUTTER STD 200 (6"CF) | 591 L.F. |
| CURB & GUTTER STD 200 (8"CF) | 612 L.F. |
| CDNC SIDEWALK STD 325 | 6606 S.F. |
| A.C. OVER CRUSHED AGG BASE | 22,500 S.F. |
| VARIABLE THICKNESS A.C. OVERLAY | 17,995 S.F. |
| CATCH BASIN STD 405 W=14' V=3" | ONE EACH |
| CATCH BASIN STD 405 W=4' V=2.5' | ONE EACH |
| 18" RCP (D-2000) | 75 L.F. |
| 6" A.C. BERM STD 250 TYPE I | 65 L.F. |
| GRADING | 1500 C.Y. |

## CONSTRUCTION NOTES

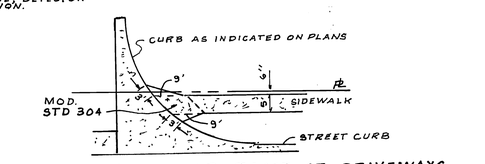
1. CONSTRUCT 3" A.C. PAVEMENT OVER 6" CRUSHED AGG. BASE PER S.R. 1180 R-VALUE=55
2. CONSTRUCT CURB & GUTTER (8" C.F.) PER STD 200
3. CONSTRUCT CURB & GUTTER (6" C.F.) PER STD 200
4. CONSTRUCT CONC. SIDEWALK PER STD 325
5. CONSTRUCT A.C. OVERLAY AS INDICATED ON PLANS
6. REMOVE EXISTING A.C. PAVEMENT AS INDICATED ON PLANS
7. CONSTRUCT 3" A.C. PAVEMENT OVER 7" CRUSHED AGG. BASE PER S.R. 1180 R-VALUE=55
8. PLANT STREET TREES PER CITY OF RIVERSIDE
9. RELOCATE EXIST. PALM TREES AS INDICATED ON THE PLANS
10. CONSTRUCT WHEEL CHAIR RAMP PER STD. 304
11. ERECT R26/R81 (SEE SHEETS 1 & 2 OF 3 FOR LOCATIONS)
12. FURNISH AND INSTALL DETECTORS IN CABINET FOR RIGHT TURN LANE, DETECTOR TO HAVE TIME DELAY FUNCTION.

## STRIPING AND TRAFFIC CONTROL NOTES

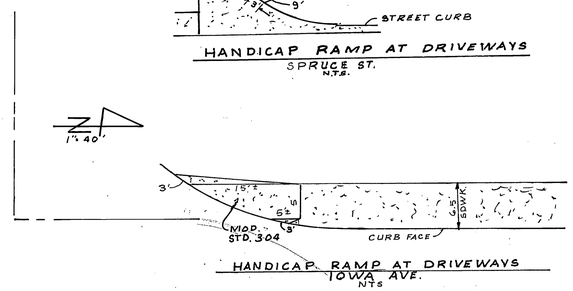
1. Contractor is responsible for the removal, replacement and installation of new striping and pavement markings to the satisfaction of the City of Riverside.
2. All work to comply with Section 86, State Standard Specifications, latest edition and standard plans and as directed.
3. The contractors shall notify the signal shop at (714)787-7576, 48 hours before starting work.




INTERSECTION STRIPING AND TRAFFIC CONTROL PLAN




HANDICAP RAMP AT DRIVEWAYS
SPRUCE ST.
N.T.S.




HANDICAP RAMP AT DRIVEWAYS
IOWA AVE.
NTS

BENCH MARK: BM 176, PK NAIL IN CONC. BASE, STREET LIGHT, N.E. COR, CHICAGO AVE. & SPRUCE ST.
F.B. 847/7 ELEV. 910.371 INDEX 46

*As built 11/86 TE

| ELECTRIC DEPT. | WATER DEPT. | SO. CAL. GAS CO | TELEPHONE CO. |
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R.C.E. 17956


| MARK | REVISIONS | APPR. | DATE |
|---|---|---|---|

DESIGNED BY ROB DRAWN BY R.O.B. CHECKED BY R.O.B.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

| | BY | DATE |
|---|---|---|
| APPROVED BY | | |
| PRINCIPAL ENGINEER | | |
| PARK DEPARTMENT | | |
| TRAFFIC DIVISION | | |
| CHIEF PUB. WKS. ENGR. | | |

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6/26/89

STREET IMPROVEMENT PLANS
PRD-2-834 & R-13-834
NOTES & DETAILS

ACCOUNT No.
DRAWING NUMBER R-2583
SHEET 3 OF 3
SCALE: AS NOTED