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 AFFECTS 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, STANDARD DRAWING NO. 10 AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.

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, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY. (THIS NOTE REQUIRED ON ALL PLANS.)

4. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSILE FOR THEIR ACCURACY.

5. IN ORDER TO COORDINATE THE CITY'S PORTION OF THE WORK, THE DEVELOPER AND/OR CONTRACTOR SHALL GIVE THE CITY 60 DAYS' NOTICE IN ORDER THAT THE DEVELOPER'S AND THE CITY'S WORK MAY BE INSTALLED CONCURRENTLY. THE DEVELOPER SHALL PREPARE AND COMPACT ROUGH SUBGRADE (±.1') AND IS RESPONSIBLE FOR THE CONDITION OF THE SUBGRADE UNTIL ACCEPTED BY THE CITY AND UNTIL THE CITY'S CONTRACTOR STARTS WORKING. THE DEVELOPER IS ALSO RESPONSIBLE FOR BARRICADING DURING THIS TIME.

6. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.

7. SEE "STREET LIGHTING PLANS" FOR QUANTITY AND LOCATION OF REQUIRED STREET LIGHTS.

8. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.

9. 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.

10. ~~THE DEVELOPER IS RESPONSIBLE FOR PROVIDING ACCESS PAVING. SHOULD THE DEVELOPER AND/OR CONTRACTOR DECIDE TO INSTALL THE ACCESS PAVING PRIOR TO THE CITY COMMENCING ITS PAVING WORK, THE DEVELOPER SHALL COORDINATE HIS INSTALLATION OF ACCESS PAVING ON ______ WITH THE CITY INSPECTOR. FINAL COURSE OF PAVING IN ACCESS AREA TO BE PAID FOR BY DEVELOPER PRIOR TO THE CITY COMMENCING ITS PAVING OPERATION. DEVELOPER WILL ALSO INSTALL TYPE F-1 FLEXIBLE DELINEATORS AT 20' ON CENTERS ON OUTGOING TAPER.~~

11. 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.

12. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.

13. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.

14. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-422-4133, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRE IDENTIFICATION NUMBER BY U.S.A.

15. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.

16. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 4' ABOVE THE SEWER FLOW LINE AT POINT OF CONNECTION WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.

17. IN PAVEMENT OVERLAY AREAS, DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.

18. 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. (351-6150)

PARKS DEPARTMENT NOTES

1. ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE, PARK AND RECREATION DEPARTMENT STANDARDS.

2. CONTACT THE STREET TREE INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AT 351-6126 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 THE DEVELOPER WILL BE RELEASED FROM MAINTENANCE ONLY UPON RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE PARK AND RECREATION DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES.

3. STREET TREES SHALL BE PLANTED PRIOR TO OCCUPANCY

4. THE DEVELOPER SHALL MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE (1) YEAR.

5. PUBLIC WORKS AND PARK AND RECREATION DEPARTMENT PERMITS ARE 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.

6. STREET TREE PLANTING SHALL BE AS FOLLOWS:

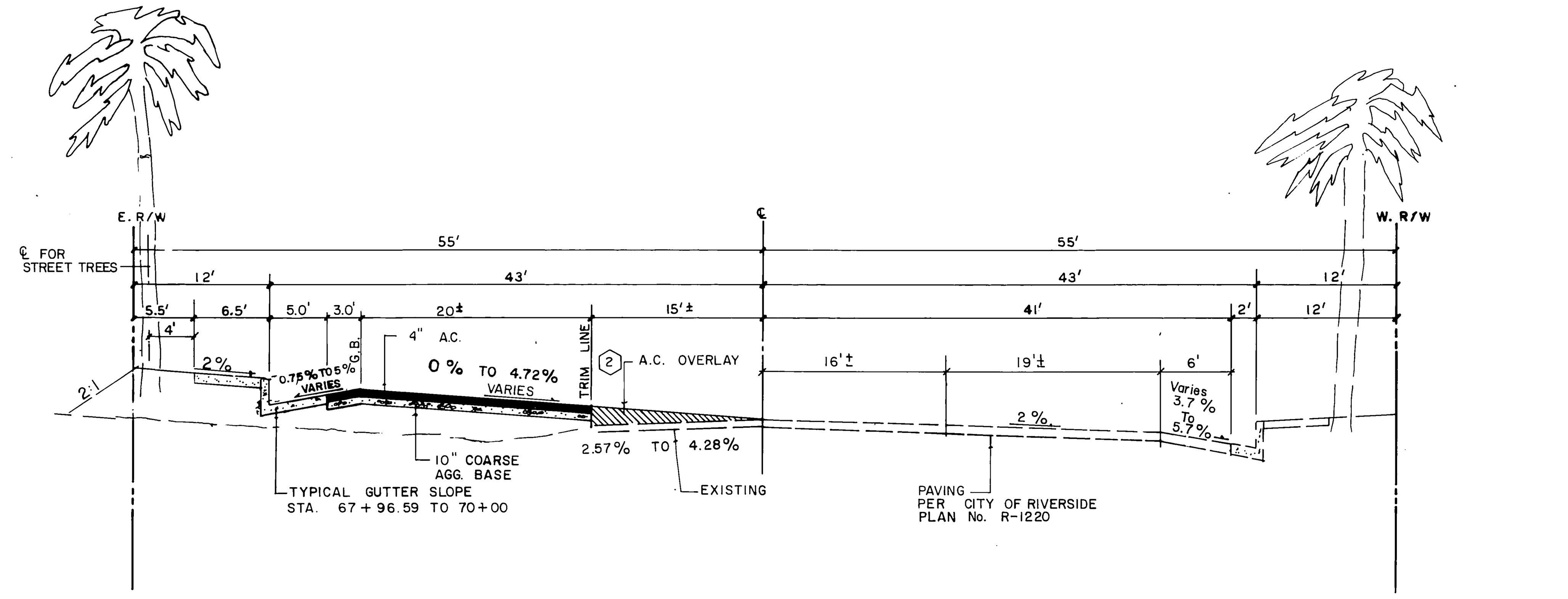
	STREET NAME	BOTANICAL NAME/COMMON NAME	MIN. SIZE	SPACING	NO. REQ.
A.	IOWA AVENUE	WASHINGTON/CALIFORNIA FILIFERA /FAN PALM	4' BROWN TRUNK SHOWING	45'	15
B.	IOWA AVE.	WASHINGTON/CALIFORNIA FILIFERA /FAN PALM	RELOCATED FROM STORM DRAIN PROJECT ON IOWA		4
C.	MARLBOROUGH AVENUE	WASHINGTON/CALIFORNIA FILIFERA /FAN PALM	4' BROWN TRUNK SHOWING	45	8

6. ALL STREET TREES TO BE AUTOMATICALLY IRRIGATED.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

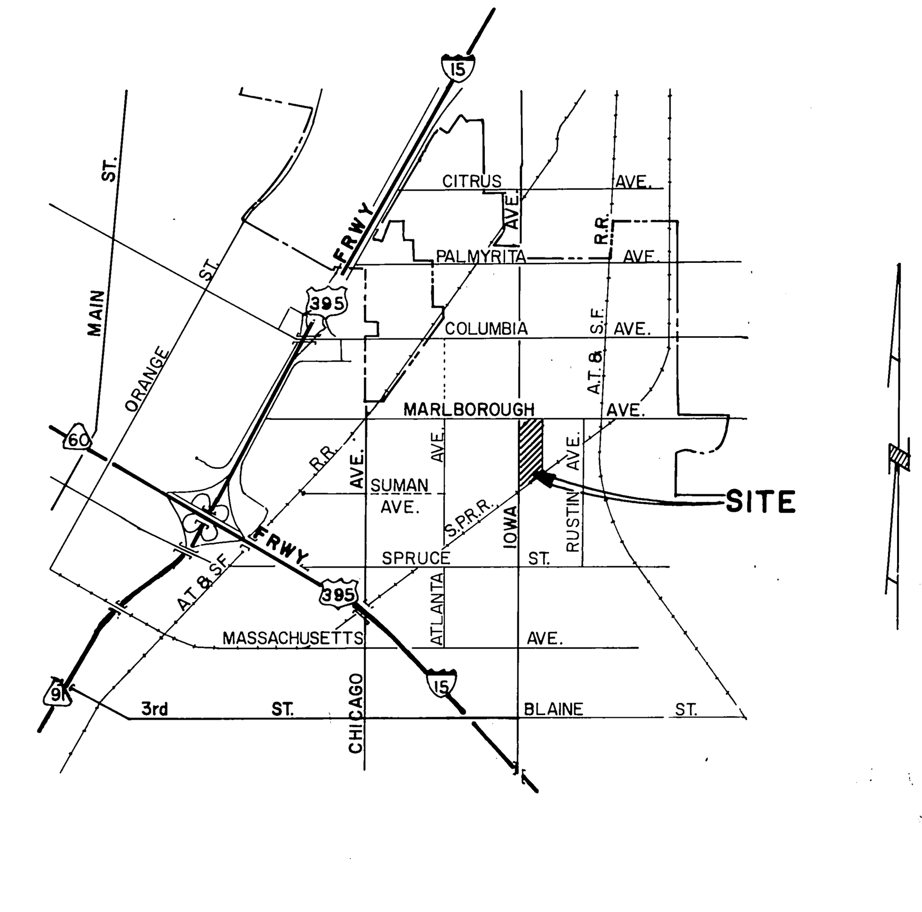


TYPICAL SECTION
IOWA AVENUE
FROM STA. 67+96.59± TO 70+14
N.T.S.

T.I. = 8

LEGEND

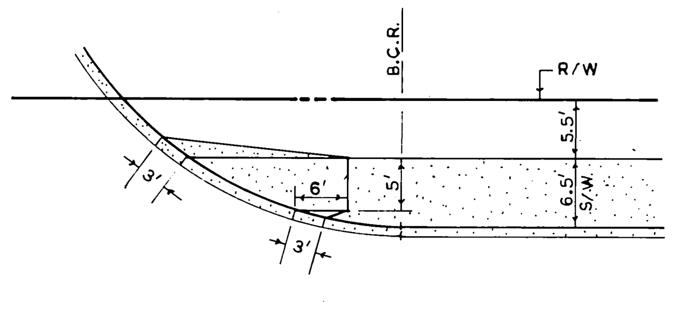
- EXISTING AC
- EP (asphalt)/(dirt) EP — EXISTING EDGE OF PAVEMENT
- EXISTING PCC CURB
- EXISTING PCC CURB & GUTTER
- PROPOSED AC PAVING (ROADWAY)
- PROPOSED AC OVERLAY
- PROPOSED PCC
- PROPOSED BASE
- PROPOSED AC PAVING



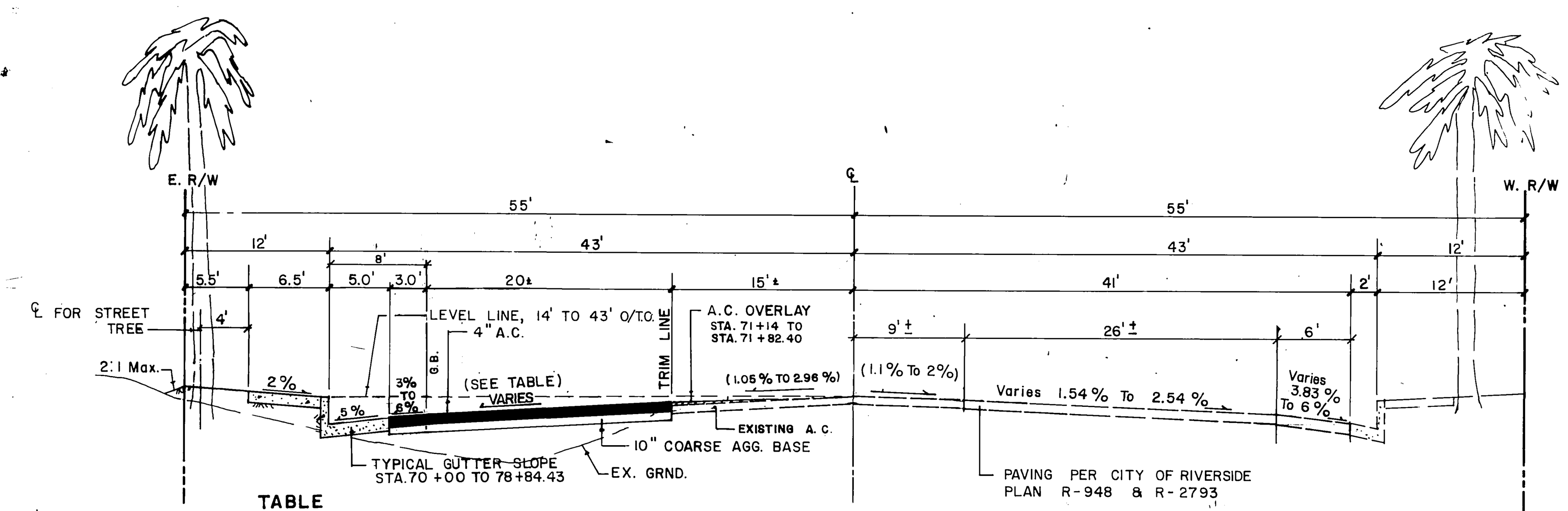
VICINITY MAP
N.T.S.

BENCH MARK

J8-A FD. BRASS DISK STAMPED (JB-A) CAPPED AT THE INTERSECTION OF ℄ MARLBOROUGH AVE. AND ℄ IOWA AVE. FB717/65 ELEVATION 929.110



DETAIL 'A'
MODIFIED WHEELCHAIR RAMP PER STD. 304
N.T.S.

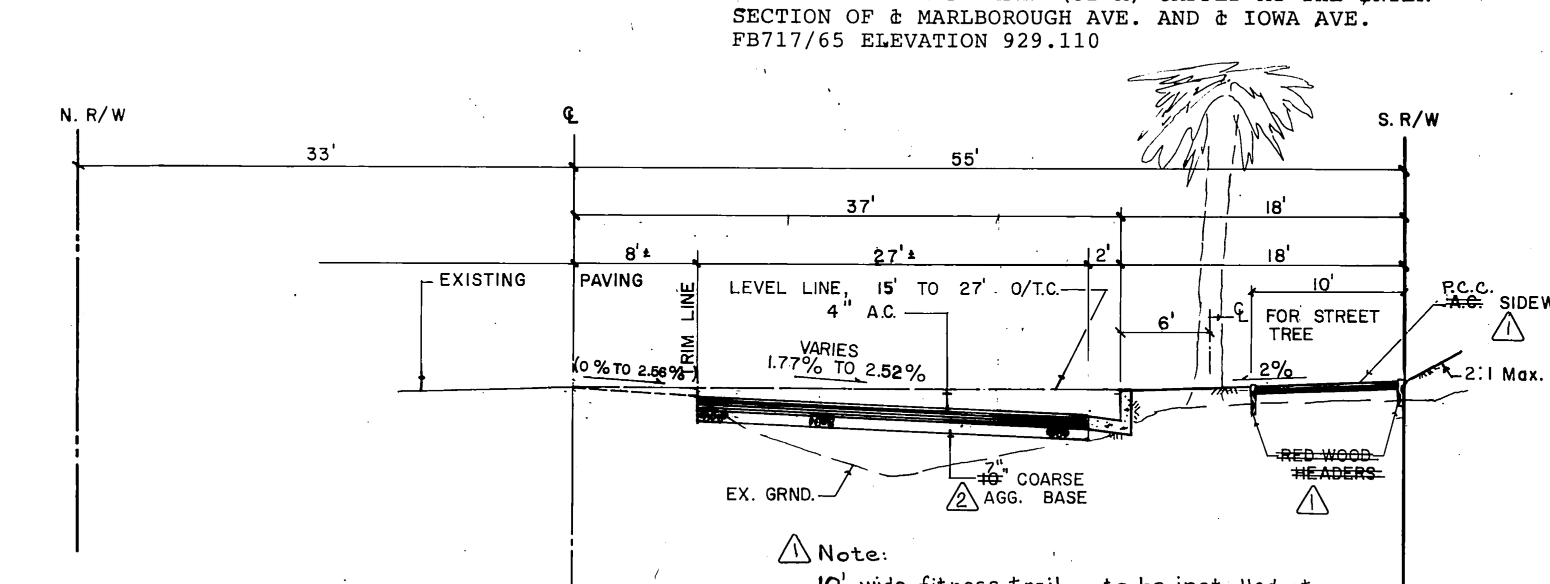


TABLE

STATION TO STATION			CROSS SLOPE (VARIES)
71 + 14.00	TO	71 + 56.80	0 % TO 0.65%
71 + 56.80	TO	73 + 05.70	0.65% TO 2.18%
73 + 05.70	TO	77 + 79.90	1.14% TO 2.00%
77 + 79.90	TO	78 + 66.00	2.00% TO 2.44%

TYPICAL SECTION
IOWA AVENUE
N.T.S.
FROM STA. 66+25.3± TO 67+61.71±
AND
FROM STA. 70+14.00± TO 78+84.43±

T.I. = 8



Note: 10' wide fitness trail to be installed at a later date. In the interim, this area shall be turfed

TYPICAL SECTION
MARLBOROUGH AVENUE
N.T.S.
FROM STA. 27+07± TO 32+61±
T.I. = 7

*AS BUILT 2-4-91 BRIAN

CITY OF RIVERSIDE WATER SYSTEM	CITY OF RIVERSIDE OVERHEAD & UNDERGROUND	PACIFIC BELL CO.	SOUTHERN CALIFORNIA GAS CO.
BY: Richard J. Dudek	BY: Wm Whitten	BY: John Irish	BY: [signature]
DATE 1-13-89	DATE 1-11-89	DATE 7-19-88	DATE 10-11-88

THOMSEN ENGINEERING, INC.
CIVIL ENGINEERING & LAND SURVEYING
16163 E. WHITTIER BLVD.
WHITTIER, CALIFORNIA 90609
APPROVED BY: Hans C. Thomsen DATE 4-18-88
R.C.E. NO. 8244
PHONE (213) 691-0838

MARK	REVISIONS	APPR.	DATE
2	Changed C.A.B. to 7" Per S.R. 1373	WUL	3/16/89
1	Modified fitness trail	WUL	2/24/89

DESIGNED BY B.N. DRAWN BY B.N., H.W. CHECKED BY R.S., H.T.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

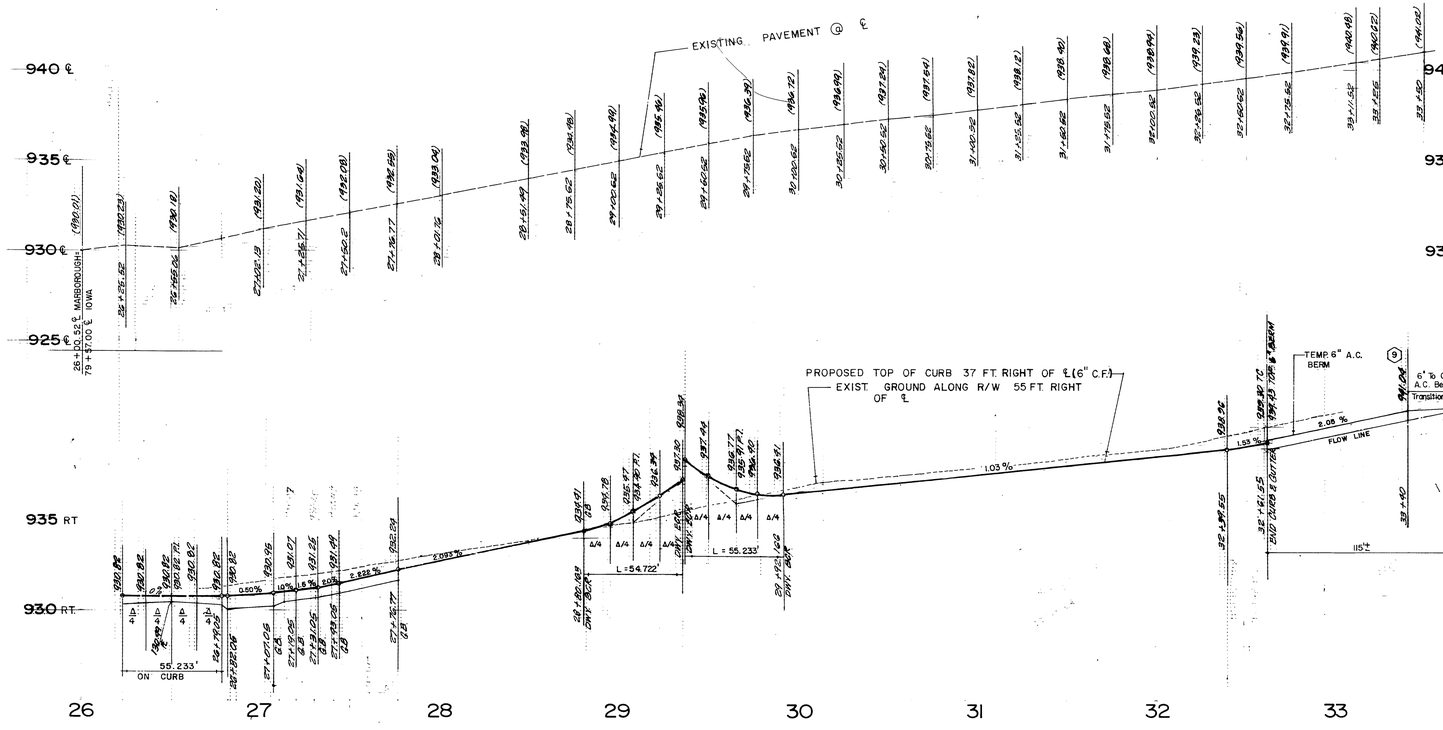
APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	1-27-89	
PARK DEPARTMENT	1-13-89	
TRAFFIC DIVISION	1-27-89	
CHIEF P. W. ENGINEER	2-22	

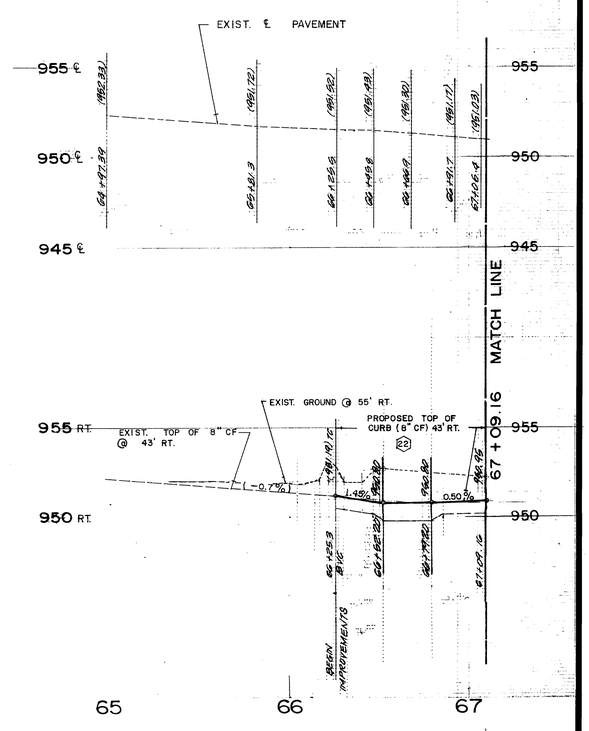
APPROVED BY Barry Beck
PUBLIC WORKS DIRECTOR
DATE 2/22/89

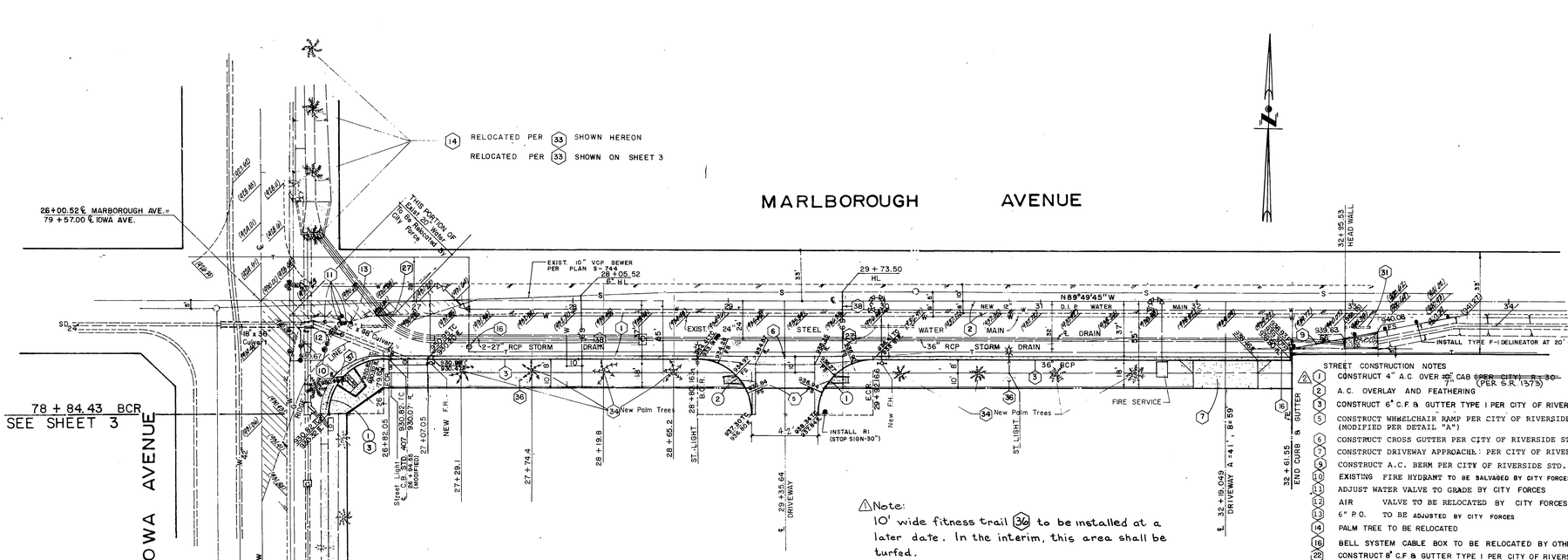
STREET IMPROVEMENTS PLAN AND PROFILE
MP-3-878
MARLBOROUGH AVENUE
SOUTH SIDE - IOWA AVE. TO 32+61.55 EAST
IOWA AVENUE
EAST SIDE - MARLBOROUGH AVE. TO 66+25.3 SOUTH
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

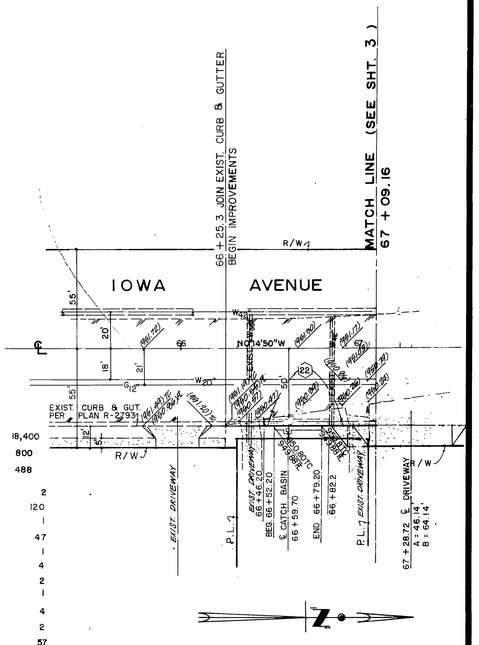
ACCOUNT NO.
R-3022
SHEET 1 OF 3

INDEXED 3-28-89









Note:
10' wide fitness trail (36) to be installed at a later date. In the interim, this area shall be turfed.

CURB RETURN DATA				
No.	Δ	R	L	T
(1)	90° 25' 05"	35.00	55.23	35.26
(2)	89° 34' 55"	35.00	54.72	34.75

9-30-89

STREET CONSTRUCTION NOTES

(1)	CONSTRUCT 4" A.C. OVER 12" CAB ~~(PER CITY)~~ (PER S.R. 1373) ~~R-30~~	S.F	18,400
(2)	A.C. OVERLAY AND FEATHERING	S.F	800
(3)	CONSTRUCT 6" C.F & GUTTER TYPE I PER CITY OF RIVERSIDE STD. 200	L.F.	488
(5)	CONSTRUCT WHEELCHAIR RAMP PER CITY OF RIVERSIDE STD. NO. 304 (MODIFIED PER DETAIL "A")	EA.	2
(6)	CONSTRUCT CROSS GUTTER PER CITY OF RIVERSIDE STD. NO. 220	S.F.	120
(7)	CONSTRUCT DRIVEWAY APPROACH. PER CITY OF RIVERSIDE STD. 302	EA.	1
(9)	CONSTRUCT A.C. BERM PER CITY OF RIVERSIDE STD. NO. 250, TYPE I	L.F.	47
(10)	EXISTING FIRE HYDRANT TO BE SALVAGED BY CITY FORCES	EA.	1
(11)	ADJUST WATER VALVE TO GRADE BY CITY FORCES	EA.	4
(12)	AIR VALVE TO BE RELOCATED BY CITY FORCES	EA.	2
(13)	6" P.O. TO BE ADJUSTED BY CITY FORCES	EA.	1
(14)	PALM TREE TO BE RELOCATED	EA.	4
(16)	BELL SYSTEM CABLE BOX TO BE RELOCATED BY OTHERS	EA.	2
(28)	CONSTRUCT 8" C.F & GUTTER TYPE I PER CITY OF RIVERSIDE STD. 200	L.F.	57
(27)	24" RCP TO BE REMOVED	EA.	2
(31)	24"x 18" CULVERT TO BE REMOVED	EA.	1
(34)	NEW PALM TREES TO BE PLANTED	EA.	8
(36)	CONST. 10' WIDE ~~P.C.C.~~ FITNESS TRAIL ~~W/ 2"x4" REDWOOD HEADERS EA. SIDE~~	S.F	4,830
(37)	CONST. WHEELCHAIR RAMPS PER CITY OF RIVERSIDE STD. 304	EA.	1
(38)	CONST. 6" SEWER LAT. PER CITY OF RIVERSIDE STD. 562	EA.	2

BENCH MARK

J8-A FD. BRASS DISK STAMPED (JB-A) CAPPED AT THE INTERSECTION OF ℄ MARLBOROUGH AVE. AND ℄ IOWA AVE. FB717/65 ELEVATION 929.110

*AS BUILT 2-4-91 Brian

CITY OF RIVERSIDE WATER SYSTEM	BY: Richard L Diduk DATE 1-13-89
CITY OF RIVERSIDE OVERHEAD & UNDERGROUND	BY: Wm W Sutton DATE 1-11-89
PACIFIC BELL CO.	For W. C. Beer BY: John Leisy DATE 7-19-88
SOUTHERN CALIFORNIA GAS CO.	BY: E. E. Linder DATE 10-11-88

THOMSEN ENGINEERING, INC.
CIVIL ENGINEERING & LAND SURVEYING
16163 E. WHITTIER BLVD.
WHITTIER, CALIFORNIA 90609
PHONE (213) 691-0838

APPROVED BY Wm C Thomsen DATE 4-18-88
R.C.E. No. 8244

MARK	REVISIONS	APPR.	DATE
(2)	Changed C.A.B. to 7" per S.R. 1373	WHL	3/14/89
(1)	Modified fitness trail	WHL	4-12-89

DESIGNED BY B.N. DRAWN BY B.N., H.W. CHECKED BY R.S., H.T.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	1-27-89	RS
PARK DEPARTMENT	1-27-89	RS
TRAFFIC DIVISION	1-27-89	RS
CHIEF P.W. ENGINEER	2-22	[illegible]

APPROVED BY Barry Bell
PUBLIC WORKS DIRECTOR
DATE 2/22/89

STREET IMPROVEMENTS PLAN AND PROFILE
MP-3-878
MARLBOROUGH AVENUE
SOUTH SIDE: FROM 26+00.52 TO 33+86±
IOWA AVENUE
EAST SIDE: FROM 66+25.3 TO 67+09.16

ACCOUNT NO. R-3022

SHEET 2 OF 3

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

INDEXED 3-28-89 [illegible]

STREET CONSTRUCTION NOTES:

⚠1 ①	CONSTRUCT 4" A.C. OVER ~~10"~~ 7" CAB ~~(PER CITY) R-30~~ (PER S.R. 1373)	S.F.	29,200
②	A.C. OVERLAY AND FEATHERING	S.F.	8,288
④	CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. NO. 325	S.F.	6,198
⑤	CONSTRUCT WHEELCHAIR RAMP PER CITY OF RIVERSIDE STD. NO. 304 (MODIFIED PER DETAIL "A")	EA.	4
⑥	CONSTRUCT CROSS GUTTER PER CITY OF RIVERSIDE STD. NO. 220 (MODIFIED)	S.F.	2,800
⑧	UNDER SIDEWALK DRAIN PER CITY OF RIVERSIDE STD. 411	EA.	2
⑪.	ADJUST WATER VALVE TO GRADE BY CITY FORCES	EA.	6
⑬.	6" P.O. TO BE ADJUSTED BY CITY FORCES	EA.	1
⑭.	PALM TREE TO BE RELOCATED	EA.	4
⑮.	UNDERGROUND GAS WARNING SIGN TO BE RELOCATED	EA.	1
⑯.	BELL SYSTEM CABLE BOX TO BE RELOCATED BY OTHERS	EA.	1
⑰.	RAILROAD WIG WAG POLE TO BE RELOCATED BY So. PACIFIC TRANS. Co. AT CITY OF RIVERSIDE EXPENSE.	EA.	1
⑱.	EXISTING GRATING INLET TO BE REMOVED	EA.	1
⑲.	RECONSTRUCT DRIVEWAY PER CITY OF RIVERSIDE STD. 302	EA.	1
⑳.	R.C.P. DRAIN TO BE ABANDONED	EA.	1
㉑.	CONSTRUCT 6" CURB AND 5' GUTTER TYPE I PER CITY OF RIVERSIDE STD. NO. 200	L.F.	859
㉓.	15" CMP TO REMAIN IN PLACE AND CONNECT TO NEW 27" RCP	EA.	1
㉔.	CATCH BASIN TO BE ADJUSTED TO GRADE AS REQUIRED	EA.	1
㉕.	RAILROAD COMMUNICATION CONTROL BOX TO BE RELOCATED	EA.	1
㉖.	GUY ANCHOR TO BE RELOCATED BY OTHERS	EA.	1
㉘.	CONSTRUCT VARIABLE C.F. & GUTTER TYPE I PER CITY OF RIVERSIDE STANDARD NO. 200	L.F.	63
㉙.	36" RECT. CULVERT TO BE REMOVED	EA.	1
㉚.	22" WALL TO BE REMOVED	EA.	2
㉜.	HEAD WALL TO BE REMOVED	EA.	1
㉝.	RELOCATED PALM TREE	EA.	4
㉞.	NEW PALM TREE TO BE PLANTED	EA.	15
㉟.	RELOCATE FIRE HYDRANT 1.5' BEHIND CURB FACE BY CITY FORCES	EA.	1
㊳.	CONST. 6" SEW. LAT. PER CITY OF RIVERSIDE STD. DWG. 562	EA.	4

9.30.88

CURB RETURN DATA

No.	Δ	R	L	T
①	90° 25'05"	35.00	55.23	35.23
②	89° 34'55"	35.00	54.72	34.75

CITY OF RIVERSIDE WATER SYSTEM	CITY OF RIVERSIDE OVERHEAD & UNDERGROUND	PACIFIC BELL CO.	SOUTHERN CALIFORNIA GAS CO.
BY: Richard L. Dudek	BY: Wm Whitten	BY: John IRISH	BY: C. P. Purko
DATE 1-13-89	DATE 1-11-89	DATE 7-19-88	DATE 10-11-88

BENCH MARK

*AS BUILT 2-4-91 Brian

J8-A FD. BRASS DISK STAMPED (J8-A) CAPPED AT THE INTERSECTION OF ℄ MARLBOROUGH AVE. AND ℄ IOWA AVE. FB717/65 ELEVATION 929.110

THOMSEN ENGINEERING, INC.
CIVIL ENGINEERING & LAND SURVEYING
16163 E. WHITTIER BLVD.
WHITTIER, CALIFORNIA 90609
APPROVED BY Neal C. Thomsen DATE 4-18-88
R.C.E. No. 8244
PHONE (213) 691-0838

MARK	REVISIONS	APPR.	DATE
⚠1	Changed C.A.B. to 7" Per S.R. 1373	[signature]	3/16/89

DESIGNED BY B.N. DRAWN BY B.N., H.W. CHECKED BY R.S., H.T.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	1-27-89	[initials]
PARK DEPARTMENT	1-13-89	[initials]
TRAFFIC DIVISION	1-27-89	[initials]
CHIEF P. W. ENGINEER	2-22	[initials]

APPROVED BY Barry Beck
PUBLIC WORKS DIRECTOR
DATE 2/22/89

STREET IMPROVEMENTS PLAN AND PROFILE
MP-3-878
IOWA AVENUE
EAST SIDE
FROM 67+09.16 TO 79+57.00

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

ACCOUNT NO.
R-3022
SHEET 3 OF 3

KARL F

INDEXED 3-28-89 FH