# RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

## PUBLIC WORKS DEPARTMENT

# INDIANA AVENUE WIDENING

## McKINLEY STREET TO MARY STREET

### CONSTRUCTION LEGEND

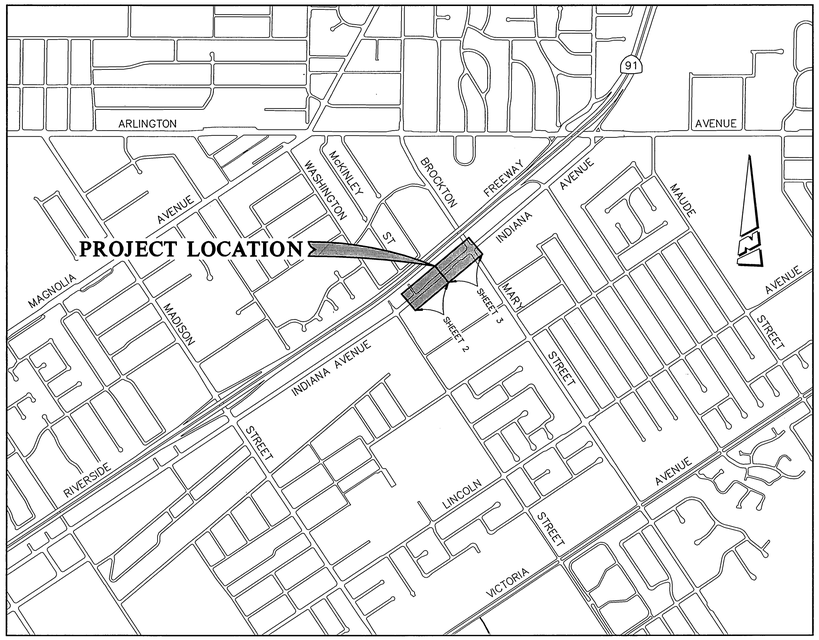
| | | | |
|---|---|---|---|
| CENTER LINE | ℄ | TOP OF SLOPE | |
| RIGHT-OF-WAY | R/W | TOE OF SLOPE | |
| SUBDIVISION LOT LINE | PL | DIRECTION OF FLOW | |

### 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.
- ⬡ 1 — RELOCATE EXISTING MAIL BOX PER SPECIAL PROVISIONS.
- ⬡ 2 — INSTALL 2" CONDUIT, PULL BOXES, AND IDLC.
- AB — ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
- ⬡ ADJ — ADJUST SEWER, STORM DRAIN, ELECTRIC OR WATER MANHOLE OR GATE VALVE TO GRADE. ADJUSTMENT TO GRADE OR RELOCATION OF GAS & TELEPHONE COMPANY'S FACILITIES WILL BE DONE BY OTHERS.
- CC — CONNECT NEW AND EXISTING 2" CONDUIT. REMOVE ALL CONDUCTORS BETWEEN PULL BOX (ADJACENT TO ADVANCED LOOPS) AND CONTROLLER CABINET, AND INSTALL NEW IDLC AND OLD CONDUCTORS.
- ⬡ C / S — CONSTRUCT STRUCTURAL SECTION OF 0.32' D.G.A.C. OVER 1.05' C.A.B. OVER COMPACTED NATIVE SOIL.
- ⬡ R / T — REMOVE EXISTING TREE . CLASS I – 6" TO 18", CLASS II – OVER 18" TO 36", CLASS III – OVER 36".
- ⬡ REL — RELOCATE EXISTING TRAFFIC CONTROL SIGNS AS DIRECTED BY THE PUBLIC WORKS INSPECTOR AND PER STANDARD DRAWING NUMBER 666.
- ⬡ T / T — TRANSPLANT EXISTING PALM TREE ON SITE AS DIRECTED BY THE STREET TREE INSPECTOR AND AS DESCRIBED IN THE ACCOMPANYING SPECIAL PROVISIONS. FOR LOCATION AND DIAMETER SEE PLAN.
- ⬡ TDL / 5 — TRAFFIC DETECTOR LOOP INSTALLATIONS. NUMBER OF DETECTOR LOOPS.
- ⬡ VAR / DL — CONSTRUCT VARIABLE THICKNESS D.G.A.C. OVERLAY (0.1' MINIMUM THICKNESS)
- ⬡ W — WATER METER TO BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION.
- ◇ A / 3 — INDICATES DETAIL; INDICATES SHEET NO.

### 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 SHOWN IN THE PROFILE AS ~~(1)~~ ~~(2)~~ INDICATES THAT THE COVER IS UNKNOWN, 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. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DWGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1997 EDITION.
5. TRIM EDGE OF EXISTING PAVEMENT WHERE NEW PAVEMENT JOINS TO A SMOOTH STRAIGHT LINE.




## PROJECT LOCATION PLAN

0 KM. 0.25 KM. 0.5 KM. 1 KM. 1.5 KM.
0' 500' 1,000' 2,000' 3,000' 4,000' 5,000' 6,000'

**SCALE: 1" = 1,000'**

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

- CONCRETE
- ASPHALT
- BUILDING
- EDGE OF PAVEMENT

### STREET TREE PLANTING NOTES

1. ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PARK AND RECREATION DEPT. 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 (909) 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 AND WHEN ALL UTILITY SERVICES AND SEWER LATERALS 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 COMPLETED, FOR START OF MAINTENANCE.
   d. AT END OF MAINTENANCE PERIOD, THE CONTRACTOR SHALL CALL THE STREET TREE INSPECTOR AT (909) 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 INSPESTION AND THE PARK AND RECREATION DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITY.
3. 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.
4. 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.
5. STREET TREE PLANTING SHALL BE AS FOLLOWS:

| STREET NAME | COMMON NAME/ BOTANICAL NAME | APPROX. SPACING | NUMBER REQUIRED |
|---|---|---|---|
| INDIANA AVENUE | WASHINGTONIA FILIFERA CALIFORNIA FAN PALM | TRANSPLANT | 1 |

* AS-BUILT 5-29-03 LH

**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

ENGINEER IN RESPONSIBLE CHARGE
Ronald C Mueller
RONALD C. MUELLER
R.C.E. No. 29510 expires 3/31/03
DATE 7-7-99

REGISTERED PROFESSIONAL ENGINEER — RONALD C. MUELLER — No. 29510 — Exp. 3/31/03 — CIVIL — STATE OF CALIFORNIA

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

DESIGNED BY R.G. FANN DRAWN BY R.G. FANN CHECKED BY RCM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

| APPROVED BY | BY | DATE |
|---|---|---|
| ENGINEERING MANAGER | | 7/6/99 |
| PRINCIPAL ENGINEER | | 7/6/99 |
| STREET SERVICES | | 7-6-99 |
| SURVEYOR | | 7/6/99 |
| TRAFFIC DIVISION | | 7/6/99 |
| PARKS DEPARTMENT | — | — |

APPROVED BY R. M. Scott
PUBLIC WORKS DIRECTOR
DATE 7-9-99

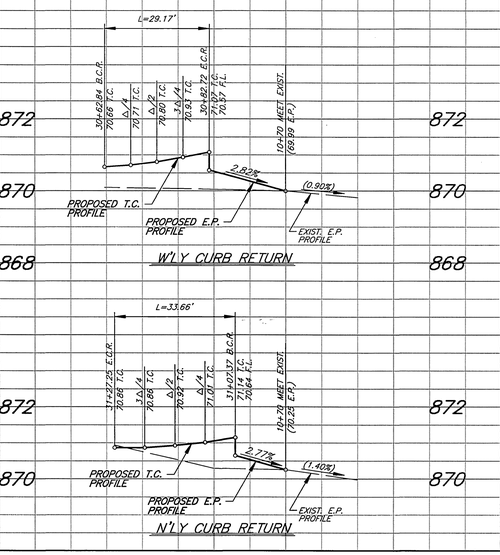
INDIANA AVENUE WIDENING
McKINLEY STREET TO MARY STREET

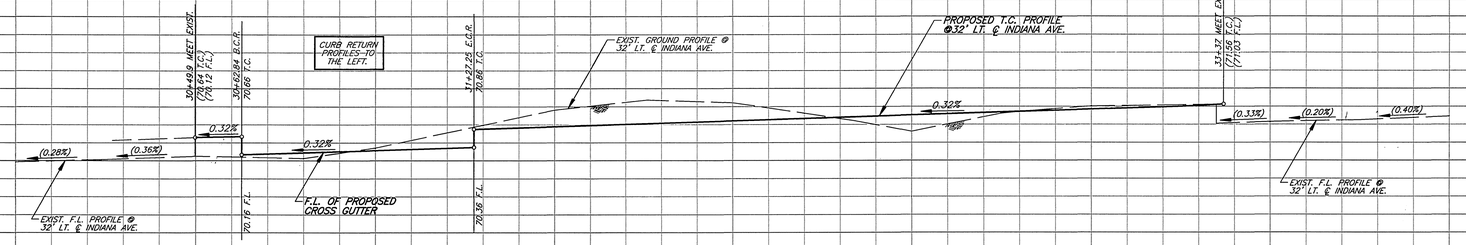
ACCT. NO. 432-541500-440302-30361

R-3477

SHEET 1 OF 3

INDEXED 12-17-99 LH



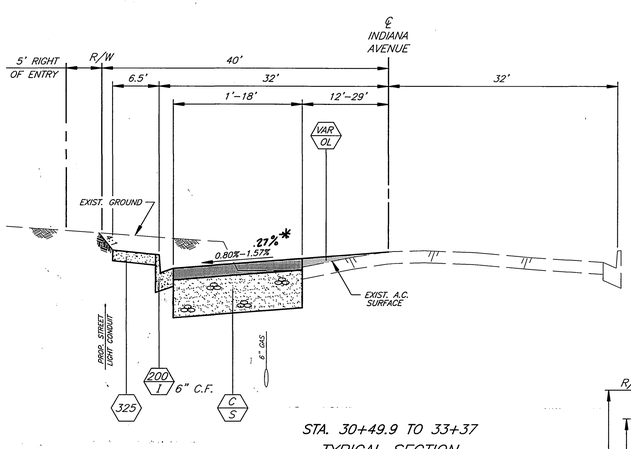




## BENCHMARK

BRONZE DISK IN CONCRETE POST STAMPED 25.00' TO R/W LINE IN A METAL WELL. 601-16-68 PER COUNTY OF RIVERSIDE B.M. BOOK.

ELEV. – 866.37

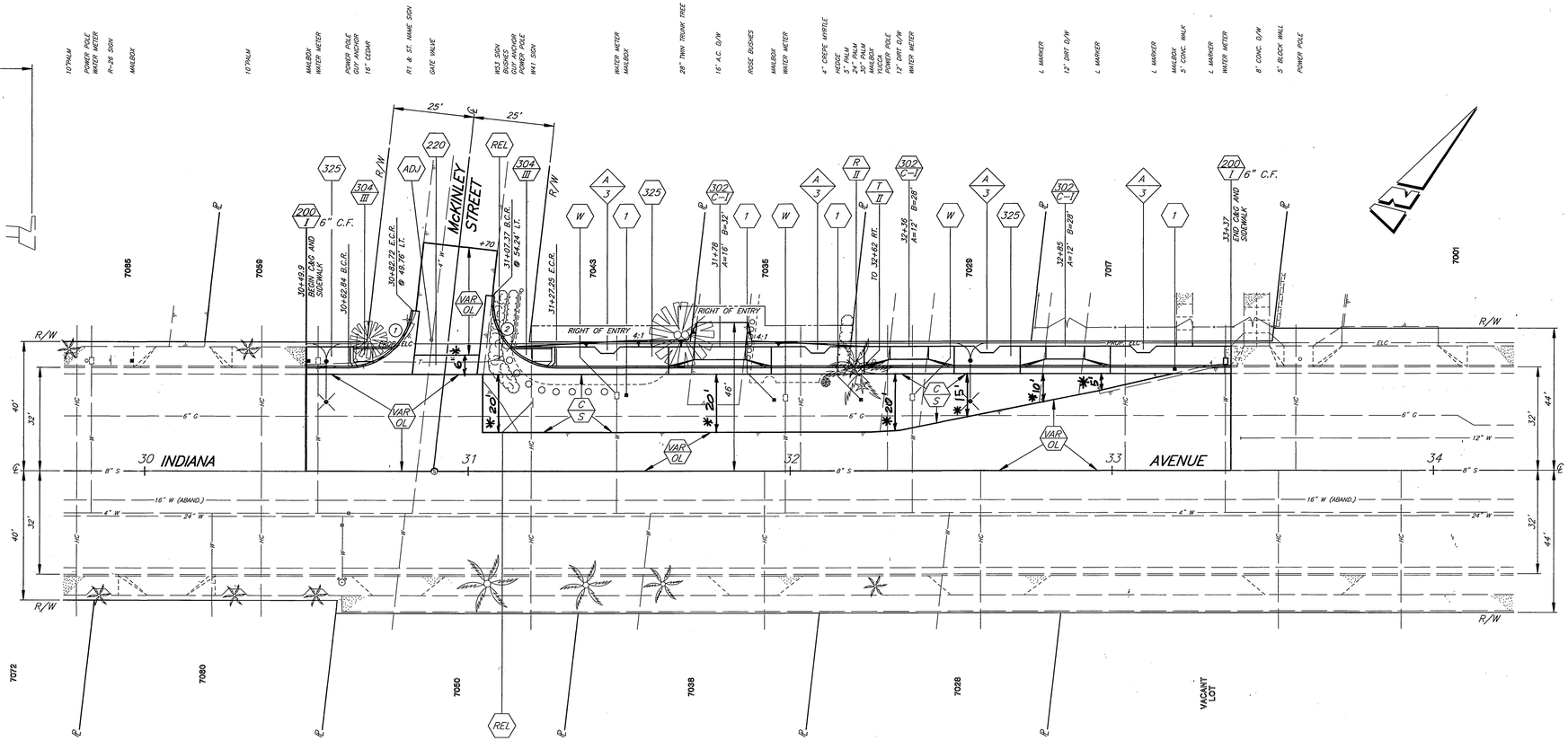
30 31 32 33 34




STA. 30+49.9 TO 33+37

TYPICAL SECTION

SCALE: HORIZ. 1"=10'
VERT. 1"=2'




## CONSTRUCTION NOTES

1. RELOCATE EXISTING MAIL BOX PER SPECIAL PROVISIONS.
2. ADJ — ADJUST SEWER, STORM DRAIN, ELECTRIC OR WATER MANHOLE OR GATE VALVE TO GRADE. ADJUSTMENT TO GRADE OR RELOCATION OF GAS & TELEPHONE COMPANY'S FACILITIES WILL BE DONE BY OTHERS.
3. C S — CONSTRUCT STRUCTURAL SECTION OF 0.32' D.G.A.C. OVER 1.05' C.A.B. OVER COMPACTED NATIVE SOIL.
4. R I — REMOVE EXISTING TREE . CLASS I – 6" TO 18", CLASS II – OVER 18" TO 36", CLASS III – OVER 36".
5. REL — RELOCATE EXISTING TRAFFIC CONTROL SIGNS AS DIRECTED BY THE PUBLIC WORKS INSPECTOR AND PER STANDARD DRAWING NUMBER 666.
6. T I — TRANSPLANT EXISTING PALM TREE ON SITE AS DIRECTED BY THE STREET TREE INSPECTOR AND AS DESCRIBED IN THE ACCOMPANYING SPECIAL PROVISIONS. FOR LOCATION AND DIAMETER SEE PLAN.
7. VAR OL — CONSTRUCT VARIABLE THICKNESS D.G.A.C. OVERLAY (0.1' MINIMUM THICKNESS)
8. W — WATER METER TO BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION.
9. A 3 — INDICATES DETAIL / INDICATES SHEET NO.

| CURVE DATA | | | | |
|---|---|---|---|---|
| ○ | △ | R | L | T |
| 1 | 83° 34' 00" | 20.00' | 29.17' | 17.87' |
| 2 | 96° 26' 00" | 20.00' | 33.66' | 22.38' |

ENGINEER IN RESPONSIBLE CHARGE

RONALD C. MUELLER

R.C.E. No. 29510 expires 3/31/03

DATE 7-7-99

REGISTERED PROFESSIONAL ENGINEER — RONALD C. MUELLER — No. 29510 — Exp. 3/31/03 — CIVIL — STATE OF CALIFORNIA

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

DESIGNED BY R.G. FANN DRAWN BY R.G. FANN CHECKED BY RCM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

| APPROVED BY | BY | DATE |
|---|---|---|
| ENGINEER MANAGER | | |
| PRINCIPAL ENGINEER | | |
| STREET SERVICES | | |
| SURVEYOR | | |
| TRAFFIC DIVISION | | |
| PARKS DEPARTMENT | | |

APPROVED BY R. McDaniel
PUBLIC WORKS DIRECTOR
DATE 7-9-99

# INDIANA AVENUE WIDENING

## McKINLEY STREET TO MARY STREET

ACCT. NO. 432-541500-440302-30361

R-3477

SHEET 2 OF 3

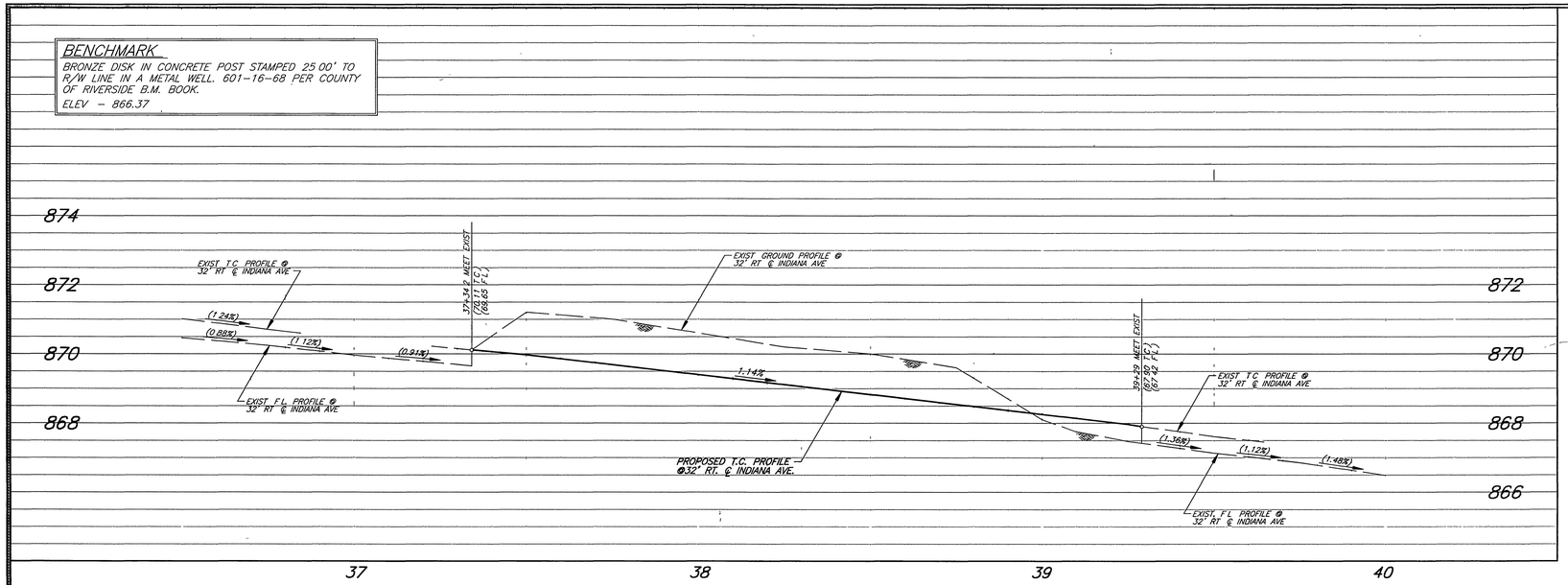
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

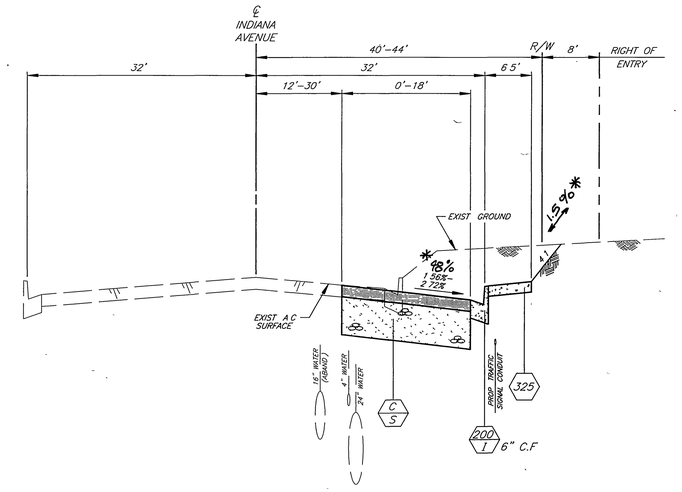
*AS-BUILT 5-29-03 LH

INDEXED 12-17-99 LH

## BENCHMARK

BRONZE DISK IN CONCRETE POST STAMPED 25 00' TO R/W LINE IN A METAL WELL. 601-16-68 PER COUNTY OF RIVERSIDE B.M. BOOK.
ELEV - 866.37

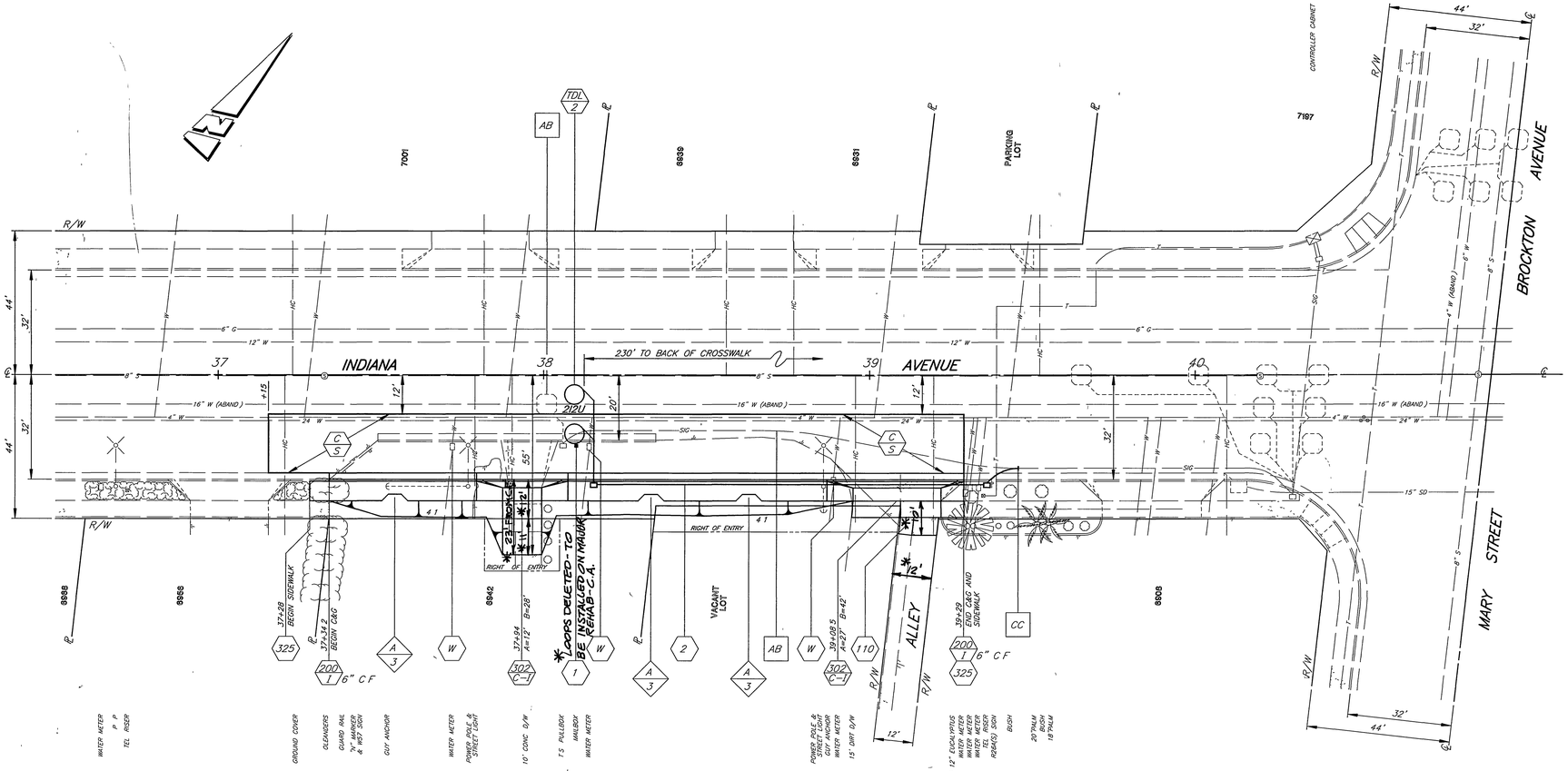



STA. 37+34.2 TO 39+29

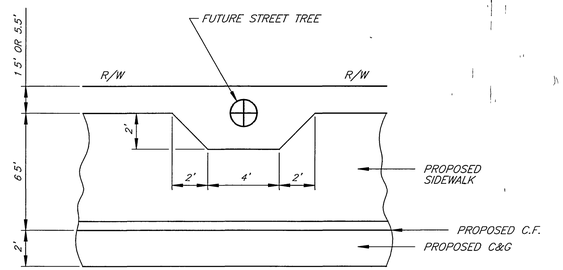
## TYPICAL SECTION

SCALE: HORIZ 1"=10'
VERT 1"=2'




## CONSTRUCTION NOTES

1. RELOCATE EXISTING MAIL BOX PER SPECIAL PROVISIONS
2. INSTALL 2" CONDUIT, PULL BOXES, AND IDLC.
AB. ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
CC. CONNECT NEW AND EXISTING 2" CONDUIT. REMOVE ALL CONDUCTORS BETWEEN PULL BOX (ADJACENT TO ADVANCED LOOPS) AND CONTROLLER CABINET, AND INSTALL NEW IDLC AND OLD CONDUCTORS
C S. CONSTRUCT STRUCTURAL SECTION OF 0.32' D.G.A.C. OVER 1 05' C.A.B. OVER COMPACTED NATIVE SOIL.
TDL 2. TRAFFIC DETECTOR LOOP INSTALLATIONS (2I2U) NUMBER OF DETECTOR LOOPS.
W. WATER METER TO BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION.
A 3. INDICATES DETAIL / INDICATES SHEET NO




A 3 TREE WELL DETAIL
SCALE. 1"=4'

* AS-BUILT 3-29-03 LH

ENGINEER IN RESPONSIBLE CHARGE
Ronald C Mueller
RONALD C. MUELLER
R C E No 29510 expires 3/31/03
DATE 7-7-99

REGISTERED PROFESSIONAL ENGINEER RONALD C. MUELLER No 29510 Exp 3/31/03 CIVIL STATE OF CALIFORNIA

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

DESIGNED BY R G FANN DRAWN BY R G FANN CHECKED BY RCM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

| APPROVED BY | BY | DATE |
|---|---|---|
| ENGINEERING MANAGER | | |
| PRINCIPAL ENGINEER | | |
| STREET SERVICES | | |
| SURVEYOR | | |
| TRAFFIC DIVISION | | |
| PARKS DEPARTMENT | | |

APPROVED BY R. McGrath PUBLIC WORKS DIRECTOR
DATE 7-9-99

# INDIANA AVENUE WIDENING
## McKINLEY STREET TO MARY STREET

ACCT NO 432-541500-440302-30361
R-3477
SHEET 3 OF 3
HORIZ SCALE 1" = 20' VERT SCALE 1" = 2'

INDEXED 12-17-99 LH