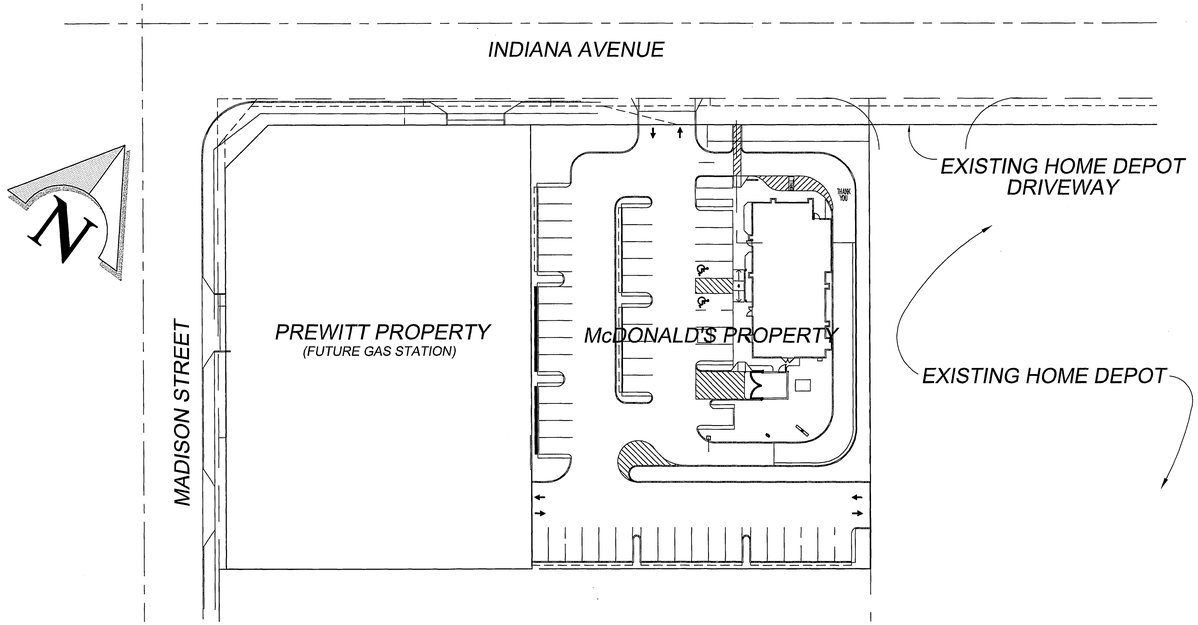
IMPROVEMENT PLANS FOR
INDIANA AVENUE WIDENING
EAST OF MADISON STREET
FOR McDONALD'S RESTAURANT (CU-021-967)



INDEX MAP
SCALE: 1" = 40'

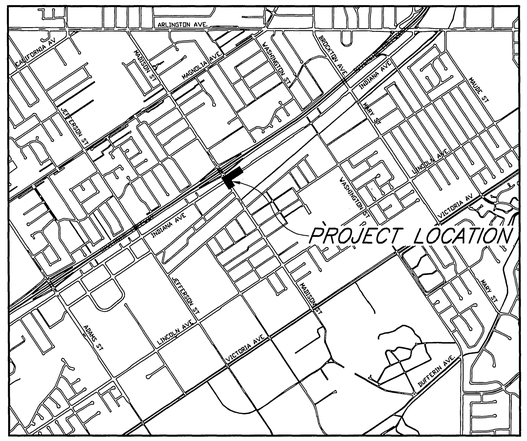
STREET TREE NOTES

1. ALL RELATED WORK WITHIN PUBLIC RIGHT OF WAY SHALL CONFORM TO THE CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT STANDARDS AND CITY OF RIVERSIDE STREET TREE POLICIES.
2. CONTACT THE STREET TREE INSPECTOR A MIN. OF 48 HOURS IN ADVANCE AT (909) 351-6126 TO SCHEDULE INSPECTIONS. A FIELD NOTICE WILL BE ISSUED AS WRITTEN APPROVAL FOR EACH STAGE OF INSPECTION. VERBAL APPROVAL WILL NOT BE ACCEPTABLE. INSPECTIONS ARE REQUIRED AS FOLLOWS:
   a. AFTER COMPLETION OF FINAL GRADING OF THE LOTS 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. CONTRACTOR'S SURETY WILL NOT BE RELEASED UNTIL AFTER RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE TREES PASS FINAL INSPECTION AND THE PARK AND RECREATION DEPT. IS ASSUMING MAINTENANCE RESPONSIBILITY.
3. ALL STREET TREES ARE TO BE PLANTED PRIOR TO OCCUPANCY
4. THE DEVELOPER SHALL BE RESPONSIBLE TO ACCEPTABLY MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE (1) YEAR.
5. STREET TREE PLANTING SHALL BE AS FOLLOWS:

STREET NAME	BOTANICAL NAME/COMMON NAME	MINIMUM SIZE APPROX. SPACING	NUMBER REQUIRED
INDIANA	EXISTING GUADALUPE PALM	PROTECT IN PLACE	1 EACH
INDIANA	EXISTING GUADALUPE PALM	RELOCATE AS SHOWN	3 EACH
INDIANA	EXISTING DEAD PALM	REPLACE W/ MIN 6' B.T. GUADALUPE PALM	1 EA.

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 RECLOATION 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.
7. ALL STREET TREES MUST BE AUTOMATICALLY IRRIGATED, EXCEPT WHERE ADJACENT TO SINGLE FAMILY OR DUPLEX RESIDENTIAL USES.

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.



PROJECT LOCATION MAP
SCALE: 1" = 1500'

CONSTRUCTION NOTES

1. CONSTRUCT 6" CURB & GUTTER (TYPE 1) PER CITY STANDARD 200
2. SAWCUT & REMOVE EXIST. STRUCTURAL SECTION, CURB, GUTTER, SIDEWALK, ETC., AND CONSTRUCT STRUCTURAL SECTION OF 0.50' D.G.A.C. OVER 1.00' C.A.B. OVER COMPACTED NATIVE SOIL. (PER R-3446)
3. CONSTRUCT CURB LINE SIDEWALK PER CITY STANDARD 325
4. RELOCATE EXISTING TREE AS SHOWN
5. CONSTRUCT DRIVEWAY APPROACH PER CITY STANDARD 302 TYPE CURB I (A=30, B=48)
6. POWER POLE AND/OR GUY TO BE RELOCATED BY CITY FORCES AT DEVELOPER'S EXPENSE. CONTACT RIVERSIDE PUBLIC UTILITIES 90 DAYS IN ADVANCE OF CONSTRUCTION IN ORDER TO COORDINATE POWER POLE RELOCATION SCHEDULE AND EXPENSE
7. CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ P.L. PER C OF R STD. S602A
8. OVERLAY EXISTING PAVEMENT TO MATCH NEW CONSTRUCTION

NOTE:
DASHED LEADER INDICATES EXISTING LOCATION OF ITEM, SOLID LEADER LINE INDICATES PROPOSED LOCATION OF ITEM

GENERAL NOTES

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.

ALL PERMANENT PAVEMENT DELINEATION WILL BE PERFORMED BY THE DEVELOPER

TABLE OF CROSS SECTIONS				
Station	C/L Elevation	Elevation @ 19' Rt (SAWCUT LINE)	Prop. EG Elevation	Cross Slope Sawcut to EG
11+50	53.82	53.56	53.15	3.72%
11+75	54.02	53.82	53.33	3.0%
12+00	54.29	54.03	53.61	2.0%
12+25	54.49	54.24	53.76	2.3%
12+50	54.76	54.55	53.99	2.66%
12+75	55.02	54.86	54.27	2.8%
13+00	55.29	55.11	54.48	3.0%

CENTERLINE ELEVATIONS ARE BASED ON CANTY ENGINEERING GROUP SURVEY DATE SEPT. 19, 2000
BENCHMARK ELEVATION SHOWN BELOW WAS USED AS THE BASE ELEVATION

GENERAL NOTES

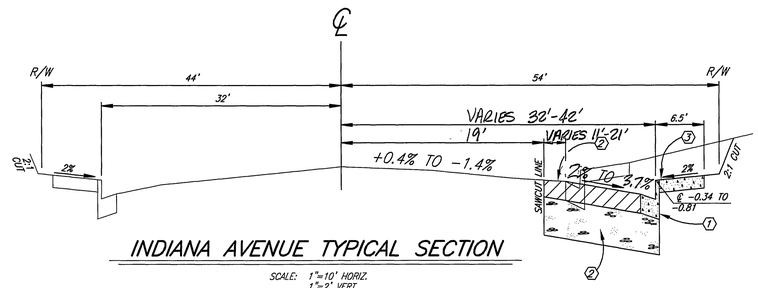
1. It shall be the responsibility of the contractor to clear the right of way in accordance with the provisions of law as it affects each utility including irrigation lines and appurtenances and at no cost to the City.
2. Construction shall be in accordance with the City of Riverside Dept. of Public Works, Standard Drawings, its Supplemental Notes, and the Standard Specifications for Public Works Construction, Current Edition.
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.
4. Construct driveway approaches per Std. Dwg. 302. Exact size and location to be staked by the Private Engineer prior to construction of the curb and gutter and as approved by the Traffic Engineer.
5. All flagged elevations shall be staked in the field by the private engineer.
6. 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.
7. 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.
8. 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.
9. All traffic signs shall be installed prior to opening the streets to traffic.
10. See City of Riverside Public Utilities Approved DWG UOL5-604826 for quantity & location of required Street Lights.
11. Notice to contractor. The existence and location of any underground utility pipes or structures shown on these plans were obtained by a search of the available records. To the best of our knowledge there are no existing utilities except as shown on these plans. The contractor is required to take precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans.
12. Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or engineer.
13. 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.
14. The contractor shall call in a location request to Underground Service Alert (USA), Phone No. 1-800-227-2600, 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 inquiry identification number by U.S.A.
15. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.
16. In pavement overlay areas, distressed existing pavement shall be removed and replaced as directed by the inspector prior to overlaying with A.C. paving.
17. The contractor shall coordinate trenching for cable television with other trenching within the project.
18. Final striping for traffic control and/or pavement marking to be the responsibility of the developer.
19. No person shall perform any construction activity or install any objects within the public right-of-way or easements of the City of Riverside without a valid Construction Premit or, a Street Opening Permit or an Encroachment Permit issued by the City's Public Works Department.
20. Street improvement work that will cause damage to the detector loop(s) shall not be performed until traffic signal maintenance personnel have been notified and the necessary timing adjustments are made to maintain signal operation.
21. The contractor is responsible for installation of street lights and underground electric utility facilities. Contact Riverside Public Utility (RPU) 90 days in advance of construction to obtain approved street light and electric plans.
22. Street improvements shown shall require relocation of existing power utility poles by RPU at the developers expense. Contact RPU 90 days in advance of construction to coordinate power pole relocation schedule and expense.

Contact: Bill Mainord
Ph No. (909) 826-5393
3900 Main St. 4th Floor
Riverside CA 92522

BENCHMARK:

601-17-68: BRONZE DISK IN CONC. POST @ A.T.&S.F. RAILWAY, 91.5' SW OF MADISON ST. C, 22' SE OF THE SE RAIL OF THE MAIN LINE, 15' NW OF NW RAIL OF SPUR LINE.

ELEV.: 861.455



INDIANA AVENUE TYPICAL SECTION
SCALE: 1"=10' HORIZ.
1"=2' VERT.
T.I.=9.0

* AS-BUILT PER PLAN 5-27-03 GH

CITY OF RIVERSIDE
OVERHEAD & UNDERGROUND
APPROVED BY: Bill Mainord
DATE: 2-16-01

REGISTERED PROFESSIONAL ENGINEER — JOHN W. CANTY — No. 17550 — Exp. 6-30-01 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY R.C.E. 17550
DATE 2/16/01
EXP. DATE: 6-30-01

CBG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING – PLANNING – SURVEYING
2020 IOWA AVENUE, SUITE 102, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301
CITY OF RIVERSIDE BUSINESS TAX ACCT. NO. 69372 EXP. APRIL 7, 2001

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: DC DRAWN BY: DC CHECKED BY: JWC
FILED

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	3/23/01
PRINCIPAL ENGINEER	[illegible]	3/23/01
TRAFFIC DIVISION	[illegible]	3/26/01
PARKS DEPARTMENT	[illegible]	3/27/01
STREET SERVICES	[illegible]	3/30/01

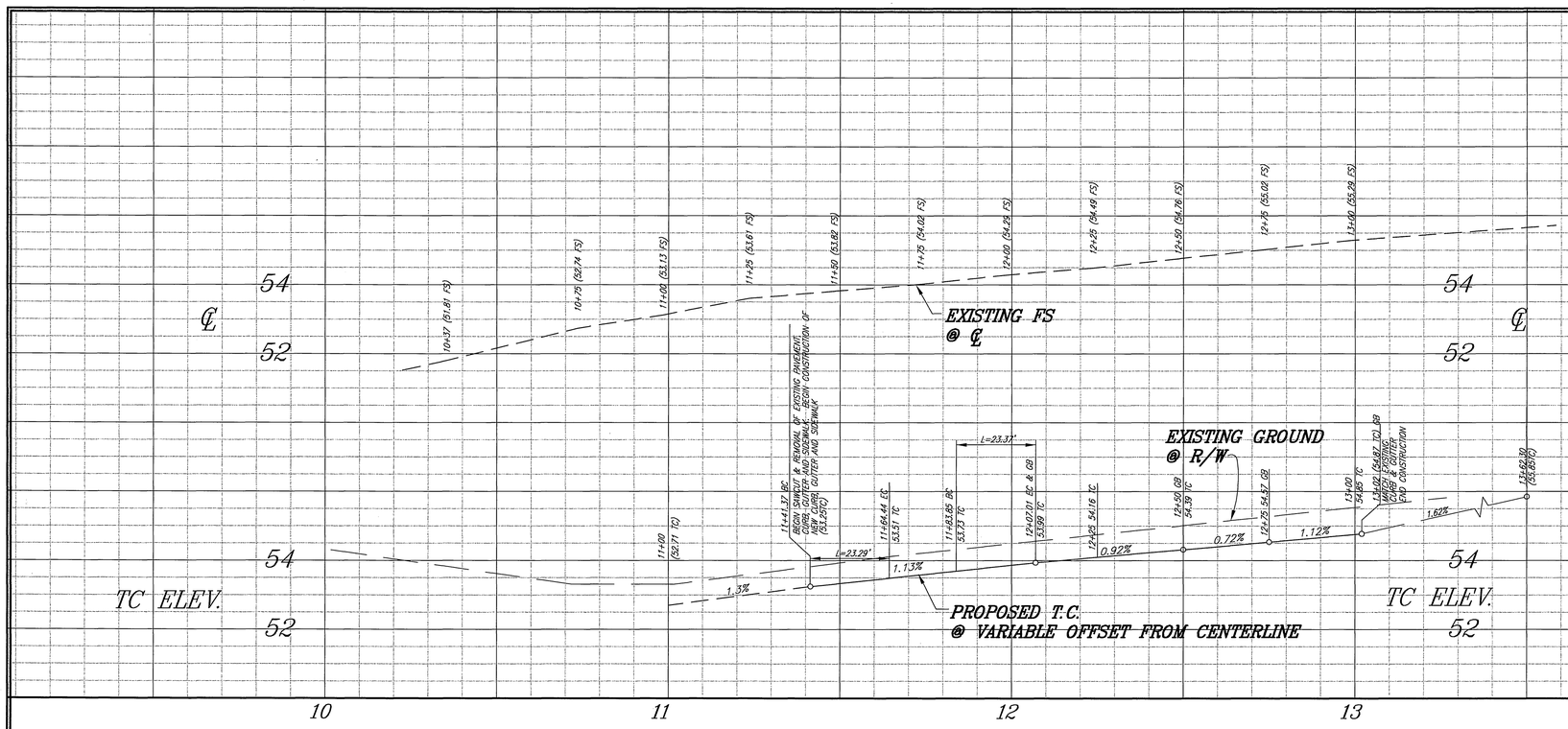
APPROVED BY: R. McGrath
PUBLIC WORKS DIRECTOR
DATE: 3-28-2001

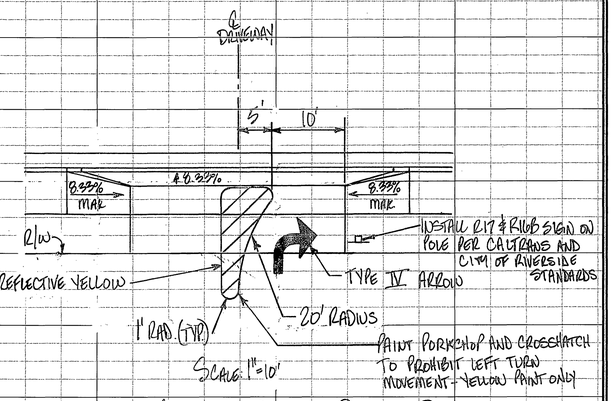
CU-021-967
INDIANA AVENUE WIDENING
11+41.37 TO 13+02.00
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

ACCT. NO.
R-3607
SHEET 1 OF 2
FILE NO. 1175-001

RC-43396-P

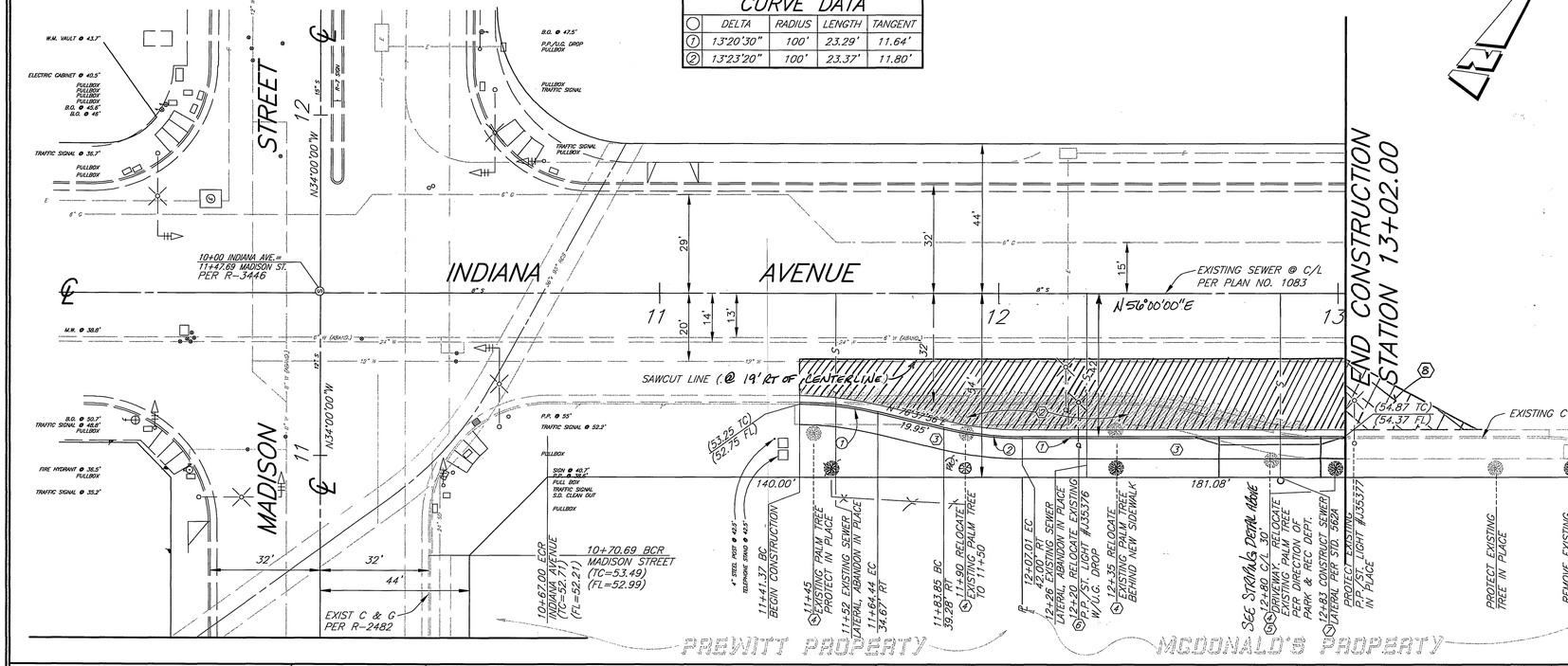
INDEXED 4-12-01 GH





McDONALDS DRIVEWAY STRIPING DETAIL

CURVE DATA				
	DELTA	RADIUS	LENGTH	TANGENT
①	13°20'30"	100'	23.29'	11.64'
②	13°23'20"	100'	23.37'	11.80'



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6. POWER POLE AND/OR GUY TO BE RELOCATED BY CITY FORCES.
7. CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT @ PROPERTY LINE PER CITY OF RIVERSIDE STD. 562A.

NOTE:
DASHED LEADER INDICATES EXISTING LOCATION OF ITEM, SOLID LEADER LINE INDICATES PROPOSED LOCATION OF ITEM

⑧ OVERLAY EXISTING PAVEMENT TO MATCH NEW CONSTRUCTION (4% MAX, 2% MIN CROSSFALL) FEATHER PAVEMENT FOR A SMOOTH TRANSITION

▨ SAWCUT, REMOVE & REPLACE EXISTING PAVEMENT

▩ OVERLAY EXISTING PAVEMENT TO MATCH NEW CONSTRUCTION

❁ INDICATES EXISTING GUADALUPE PALM TO BE RELOCATED BY CONTRACTOR.

BENCHMARK:

601-17-68: BRONZE DISK IN CONC. POST @ A.T.&S.F. RAILWAY, 91.5' SW OF MADISON ST. & 22' SE OF THE SE RAIL OF THE MAIN LINE, 15' NW OF NW RAIL OF SPUR LINE.

ELEV.: 861.455

*AS-BUILT PER PLAN 5-27-03 LFH

Underground Service Alert
DAL BEFORE YOU DIG — TWO WORKING DAYS YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REGISTERED PROFESSIONAL ENGINEER — JOHN W. CANTY — No. 17550 — Exp. 6-30-01 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

JOHN W. CANTY R.C.E. 17550 — DATE 2/16/01 — EXP. DATE: 6-30-01

CEG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING – PLANNING – SURVEYING
2020 IOWA AVENUE, SUITE 102, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301
CITY OF RIVERSIDE BUSINESS TAX ACCT NO. 69372 EXP. APRIL 7, 2001

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: DC DRAWN BY: DC CHECKED BY: JWC

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	TJS	3/21/01
PRINCIPAL ENGINEER	RC	3/20/01
TRAFFIC DIVISION		3/19/01
PARKS DEPARTMENT	RL	3/14/01
STREET SERVICES	MV	3/19/01

APPROVED BY: R. Nic Brait, PUBLIC WORKS DIRECTOR
DATE: 3-28-2001

CU-021-967

INDIANA AVENUE WIDENING
11+41.37 TO 13+02.00

ACCT. NO. R-3607
SHEET 2 OF 2
FILE NO. 1175-001
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

72-4336-P

INDEXED 4-12-01 LH