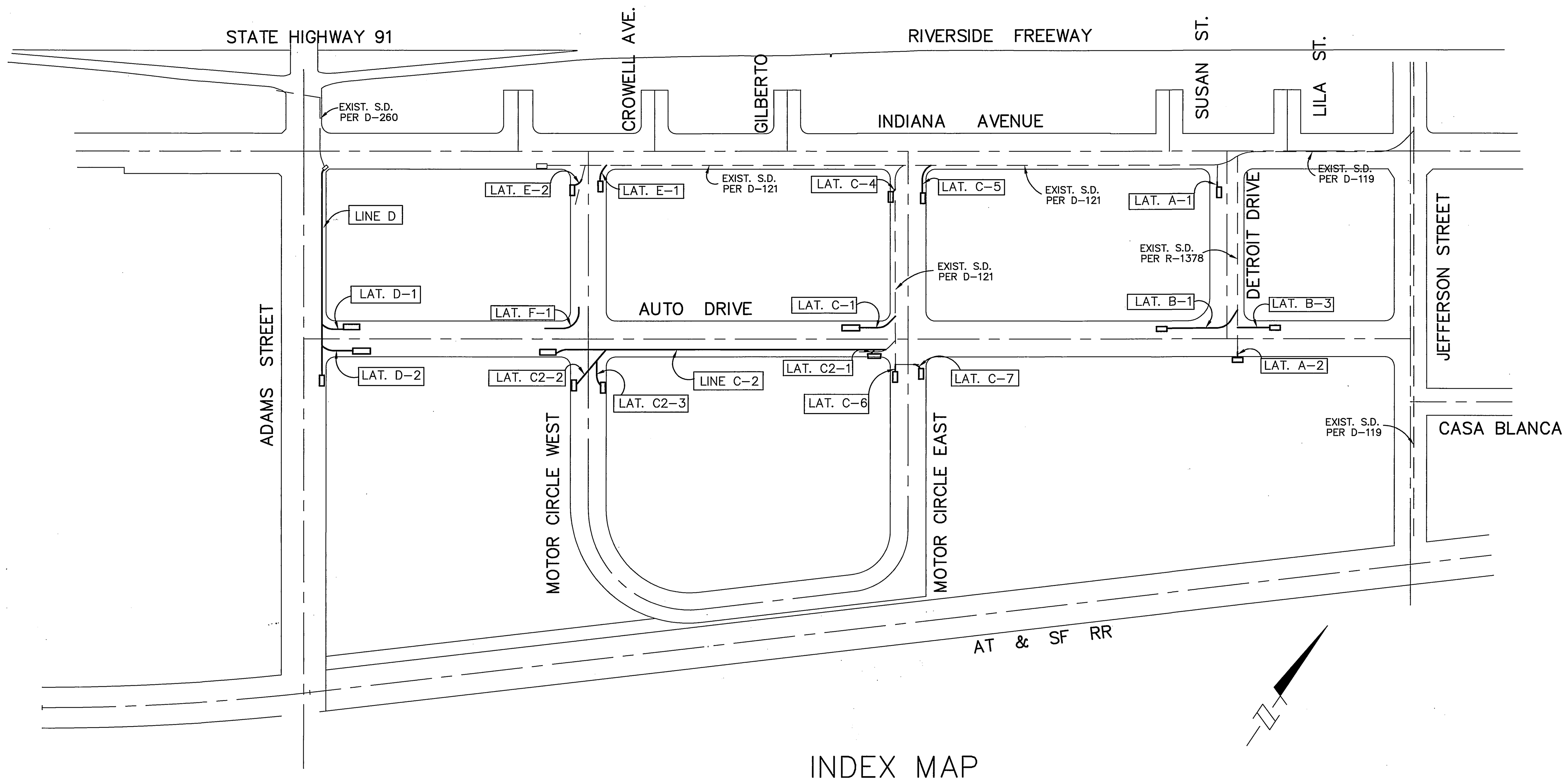
IN THE CITY OF RIVERSIDE

AUTO CENTER RENOVATION PLAN
STORM DRAIN IMPROVEMENT PLAN

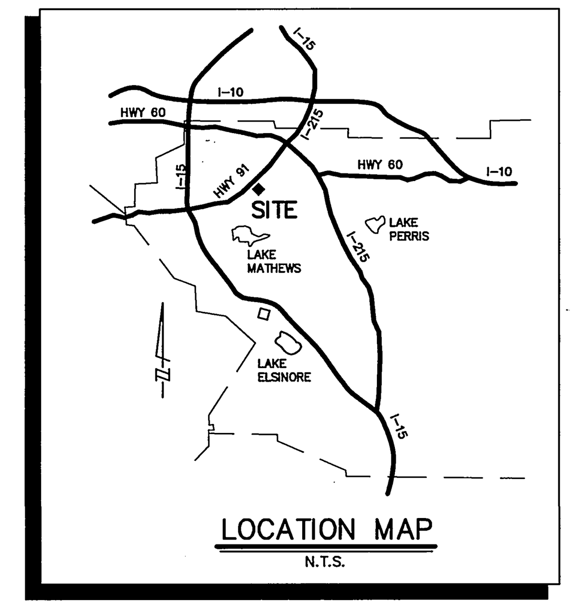
STORM DRAIN NOTES

1. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.
2. Construction shall be in accordance with City of Riverside Dept. of Public Works Standard Drawings, and the Standard Specifications for Public Works Construction, Current Edition.
3. 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 extra cost to the City
4. 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 exept 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.
5. 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.
6. The contractor shall call in a locations 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.
7. The Contractor shall be responsible for preserving or re-establishing and referencing survey monuments destroyed, disturb or buried as a result of construction shown hereon.
8. All flagged elevations shall be staked in the field.
9. Contractor agrees that he shall assume sole and complete responsibilit y 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 hol d the owner and the engineer harmless from any and all liability, real or alleged, in connection with performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.
10. All pipe bedding shall be Case I per City of Riverside Std. Dwg. 452 unless otherwise noted
11. Any improvements constructed in the public right-of-way will require a separate construction permit and inspection from the Public Work Dept.
12. The contractor shall give the City Water Division five (5) working days written notice prior to the start of construction and to allow the City ten (10) working days for completion of work. Phone: (909) 351-6168
17. The Contractor shall provide and maintain a minimum 4-foot-wide path for pedestrian traffic through the construction site. If a path through the construction site and within street right of way is not possible, the Contractor shall lay out and maintain a safe and direct pedestrian path around the construction site within the public right of way. The pedestrian path shall be approve by the Engineer.
18. The Contractor shall provide and maintain a minimum of two twelve-foot-wide lanes for two-way traffic on all streets at all times. In addition the Contractor shall maintain continuous access to all existing driveways (other than those being permanently removed) except as approved by the Engineer. The Contractor shall submit a traffic control plan to the Engineer for his review and approval prior to any lane or driveway closure.
19. The Contractor shall provide and maintain dealership access at all times *CONTRACTOR TO COORDINATE WITH DEALERSHIP AND/OR OWNER OF ANY TEMPORARY DRIVEWAY CLOSURES OR OBSTRUCTIONS*
20. All pipe bedding shall be case I per City of Riverside Std. Dwg. No. 452 unless otherwise noted.
21. *USE 2 SACK SLURRY BACKFILL WHEN FINISH SURFACE TO TOP OF PIPE IS LESS THAN OR EQUAL TO 2(TWO) FEET.*



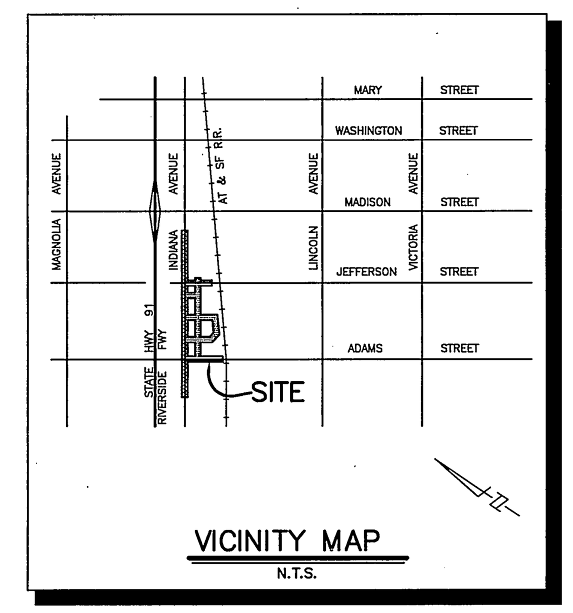
INDEX MAP

SCALE: 1" = 200'



LOCATION MAP

N.T.S.



VICINITY MAP

N.T.S.

UNDERGROUND UTILITY NOTES

1. Prior to construction, the contractor shall pothole all utility crossings and connections and verify the location and elevation of all utilities affected. The engineer shall be notified of any discrepancies before construction begins.
2. Locations of substructures as shown on plans are shown from the best available information. However, such locations as shown or failure to show existing substructures shall not relieve the contractors from the responsibility of verifying the location and protecting all substructures.

TOPOGRAPHY

EXISTING TOPOGRAPHY PER J.F. DAVIDSON ASSOCIATES, INC. FIELD SURVEY AND INLAND AERIAL SURVEY PERFORMED MARCH 1996.

STORM DRAIN CONSTRUCTION NOTES

ESTIMATE QUANTITIES

1. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. NO. 405 "W" AND "V" DIMENSIONS AS NOTED ON THE PLANS.
2. CONSTRUCT CURB OUTLET PER CITY OF RIVERSIDE STD. NO. 410.
3. REMOVE PORTION OF EXISTING R.C.P. AS SHOWN ON PLAN
4. CONSTRUCT JUNCTION STRUCTURE "B" PER CITY OF RIV. STD. NO.421
5. CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STD. NO. 424
6. INSTALL 15" DIA. R.C.P.
7. INSTALL 18" DIA. R.C.P.
8. INSTALL 24" DIA. R.C.P.
9. INSTALL 30" DIA. R.C.P.
10. REMOVE EXISTING CATCH BASIN.
11. CONSTRUCT MANHOLE EZ PER CITY OF RIV. STD. NO. 431
12. CONSTRUCT JUNCTION STRUCTURE C PER CITY OF RIV. STD. 422
13. CONSTRUCT PARKWAY CULVERT PER DETAIL ON SHEET 7
14. REMOVE EXIST. S.D. (SIZE AS NOTED PER PLAN)

LEGEND

T.C.	Indicates top of curb elevation
F.L.	Indicates flow line elevation
———	Indicates property line
(T.C. 53.78) / (F.L. 53.28)	Indicates existing elevations
---(W)---	Indicates existing water line
---(S)---	Indicates existing sewer line
---(E)---	Indicates existing electric line
---(SD)---	Indicates existing storm drain
---(G)---	Indicates existing gas line
---(T)---	Indicates existing telephone
⬡	Construction notes (Proposed)

SHEET INDEX

SHEET 1	TITLE SHEET
SHEET 2	LATERALS A-1, A-2 & B-3
SHEET 3	LATERALS B-1, C-1 & F-1
SHEET 4	LATERALS C-4 ~ C-7
SHEET 5	LINE D
SHEET 6	LATERALS D-1 & D-2
SHEET 7	LATERALS E-1 & E-2
SHEET 8	LINE C-2, LATERAL C2-1
SHEET 9	LINE C-2, LATERALS C2-2 & C2-3

CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND	THE GAS COMPANY	PACIFIC BELL TELEPHONE	CHARTER COMMUNICATIONS	CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-WATER
William F. Mainord 10.29.97	H. D. Sanchez 11-4-97	[signature] 10/29/97	[signature] 10-30-97	Richard L. Drolule 11/12/97
APPROVED BY DATE	APPROVED BY DATE	APPROVED BY DATE	APPROVED BY DATE	APPROVED BY DATE *VOID ONE YEAR FROM THIS DATE*

Underground Service Alert
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227-2600
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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

PREPARED UNDER THE DIRECTION OF: [signature]
JOHN W. CANTY, PE
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 11/6/97

CEG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING - PLANNING - SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 - 5234 FAX (909) 683 - 5301

SCALE: AS SHOWN
DATE: JULY 1997
BENCH MARK: RIV. CO. BM 601-21-68 CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE. ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE

DESIGNED BY P.C. DRAWN BY S.L.B. CHECKED BY D.L.D./J.W.C.

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGR.	[initials]	[date]
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

APPROVED BY R. McGrath
DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA
AUTO CENTER RENOVATION PLAN
STORM DRAIN IMPROVEMENTS
TITLE SHEET
FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 1 OF 9
FILE NO.: 1036-003

KE 9/22/98

INDEXED 10-11-2000 LH

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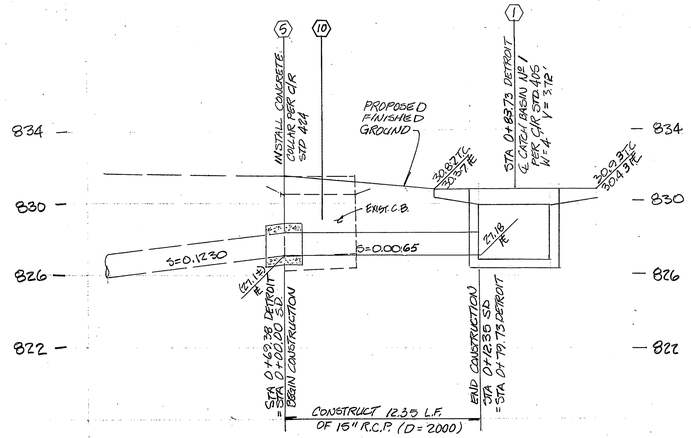

LATERAL A-1

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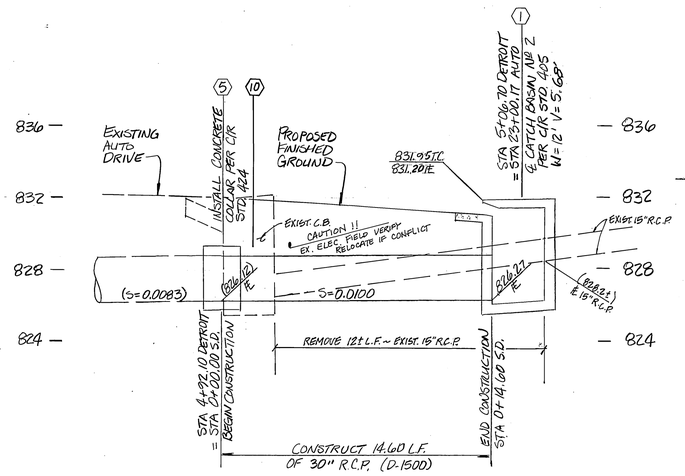

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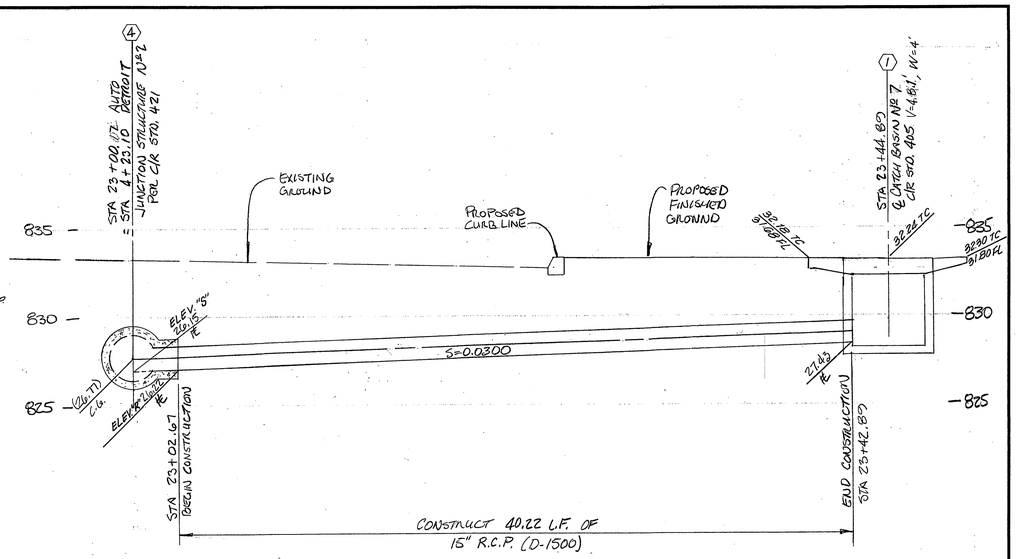

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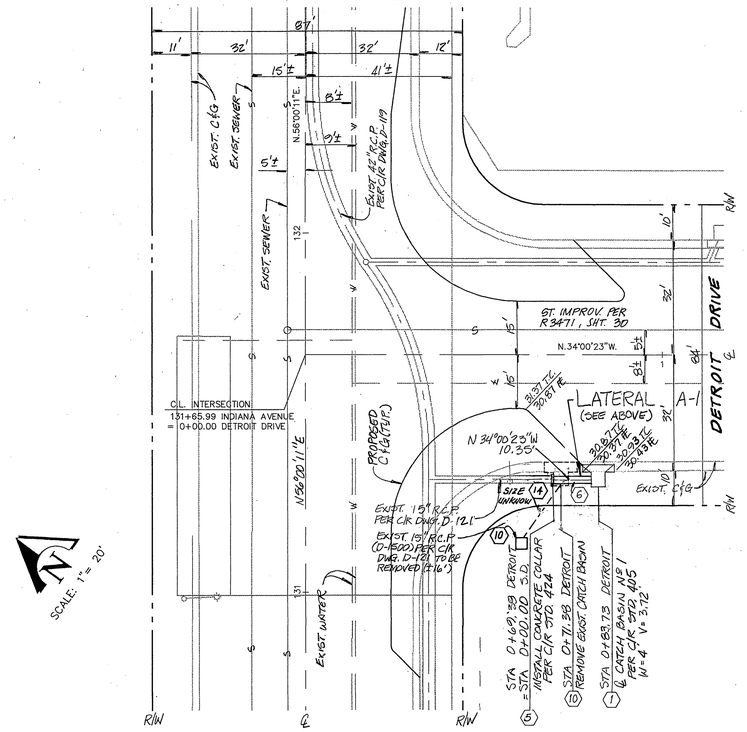

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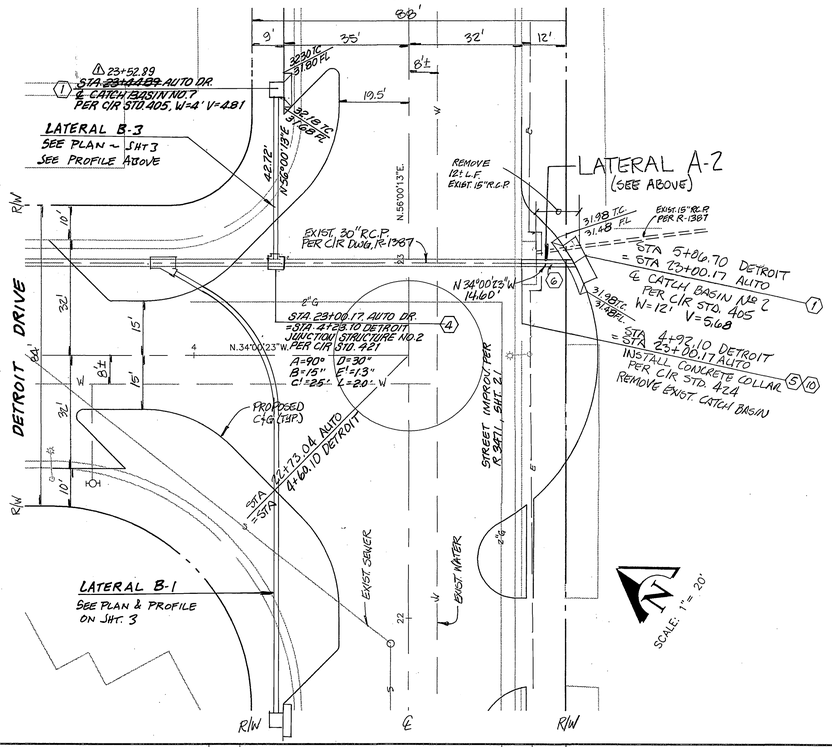

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PLOT DATE: 2-25-97
K:\9613380\STREETS\33805D04.DWG

Underground Service Alert
Call: TOLL FREE
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TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY, PE
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 11/6/97
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT–WATER
APPROVED BY DATE
VOID ONE YEAR FROM THIS DATE

SCALE: 1:1 SHOWN
DATE: FEBRUARY 1997

CEG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING – PLANNING – SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301
CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-98

BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE
1	REVISED C.B. STATION.	JD	9/19/97

DESIGNED BY JAO DRAWN BY JAO CHECKED BY JWC

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

	APPROVED BY	BY	DATE
	PRINCIPAL ENGR.	JD	9/19/97
	PARK DEPARTMENT	—	—
	TRAFFIC DIVISION		
	CHIEF P.W.ENGR.		

APPROVED BY R. McGrath
DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
STORM DRAIN PLAN
DETROIT DRIVE
LATERAL A-1, A-2 & B-3

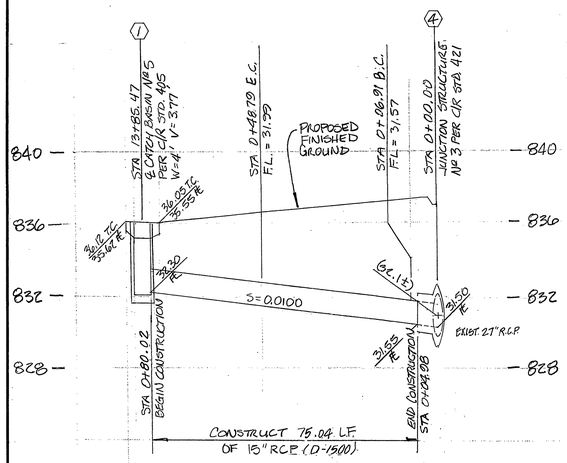
FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650

SHEET 2 OF 9

FILE NO.: 9613380

INDEXED 10-11-2000 GH



LATERAL C-1
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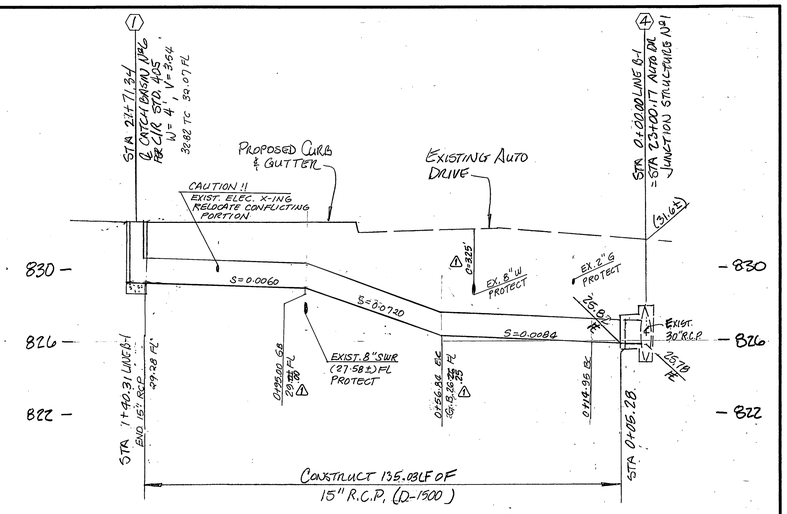

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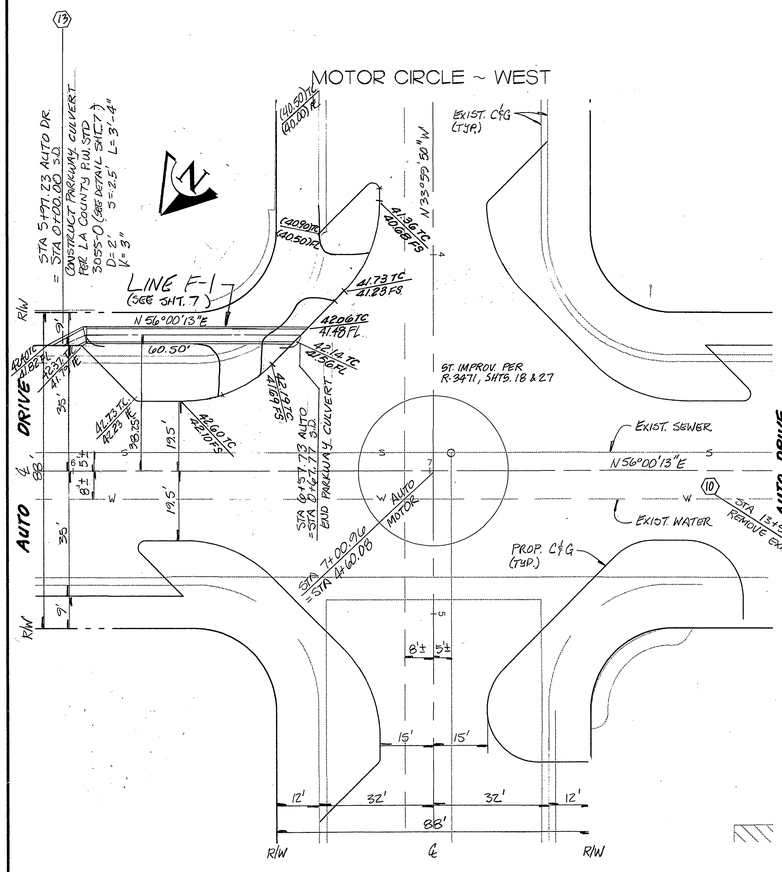

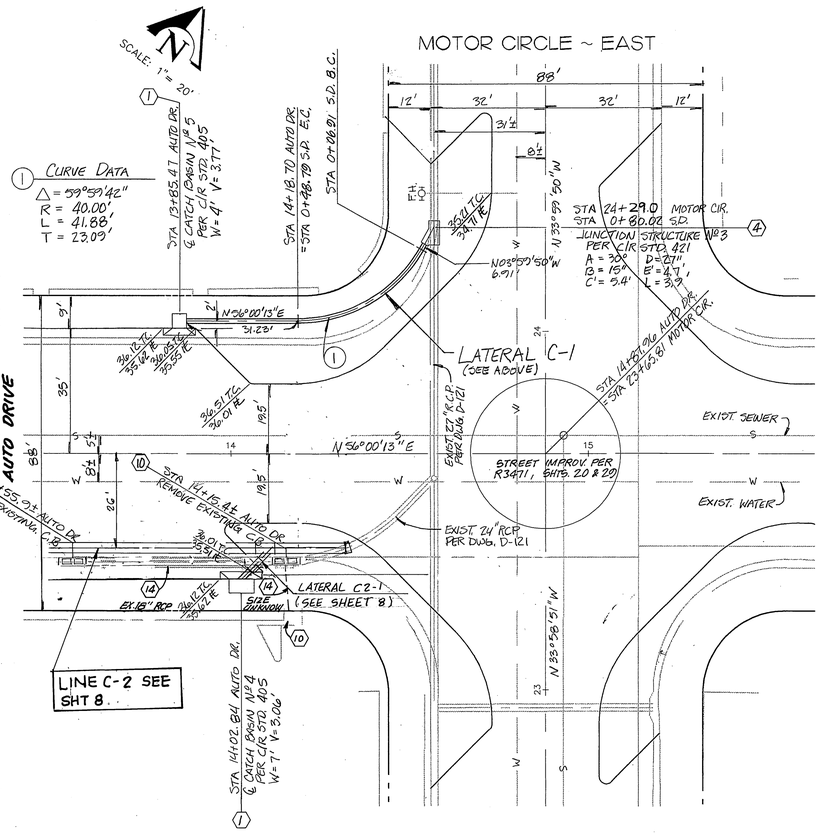

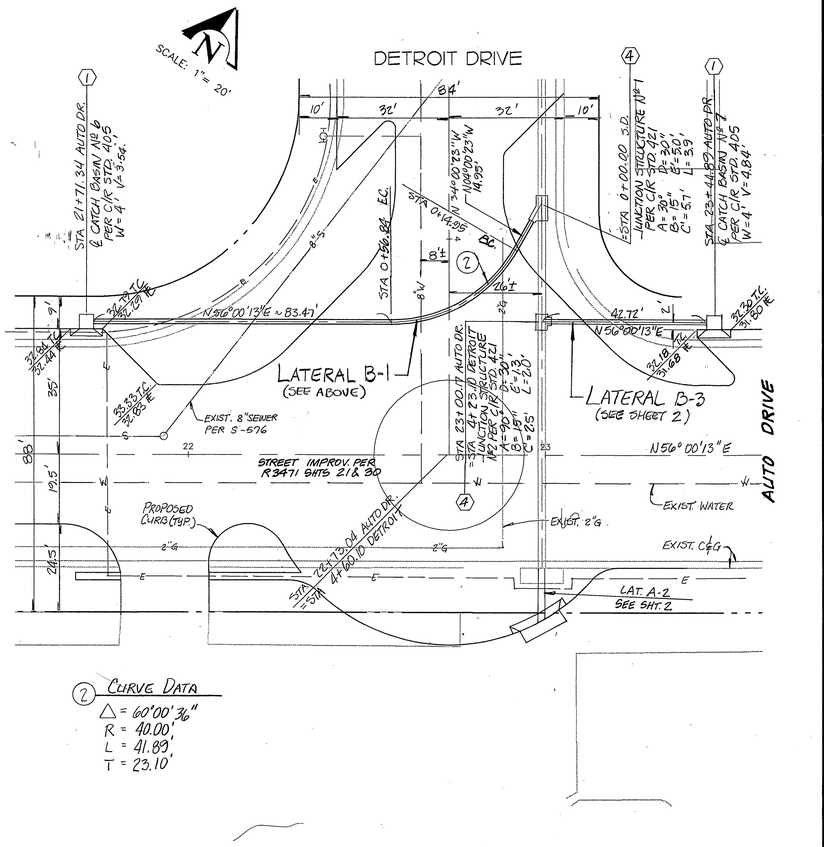

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L = 41.89'
T = 23.10'

SCALE: 1" = 20'

PLOT DATE: 2-25-97
K:\9613380\STREETS\3380S002.DWG

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PRIVATE ENGINEERING NOTE

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REGISTERED PROFESSIONAL ENGINEER
JOHN W. CANTY
R.C.E. No. 17550
Exp. 6-30-0
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY, PE.
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 11/6/97
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-WATER
APPROVED BY DATE 11/12/97
VOID ONE YEAR FROM THIS DATE

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CIVIL ENGINEERING – PLANNING – SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301
CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-98

SCALE: AS SHOWN
DATE: FEBRUARY 1997
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ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE
1	REVISED LAT. B-1 STATIONING & UTILITY DEPTH	RE	11/12/97

DESIGNED BY JAO DRAWN BY JAO CHECKED BY JWC

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY		
PRINCIPAL ENGR.		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

APPROVED BY R. McBrath
DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

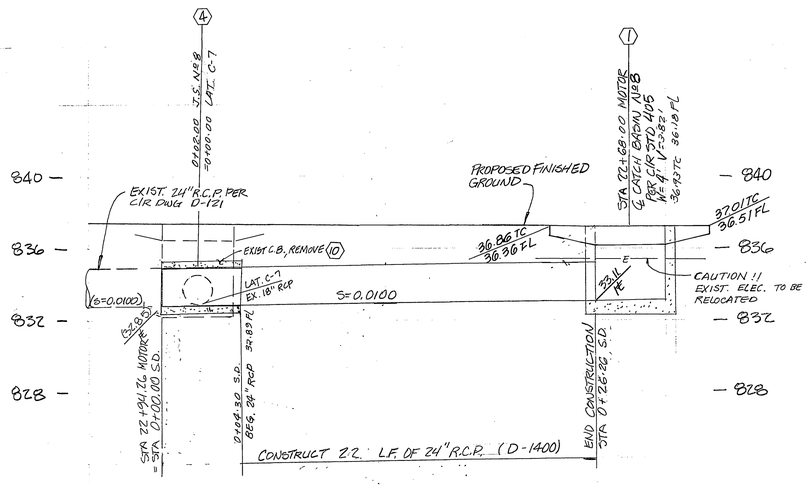
IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
STORM DRAIN PLAN
AUTO DRIVE
LATERAL B-1, C-1 & F-1

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 3 OF 9
FILE NO.: 9613380

INDEXED 10-11-2000 LH



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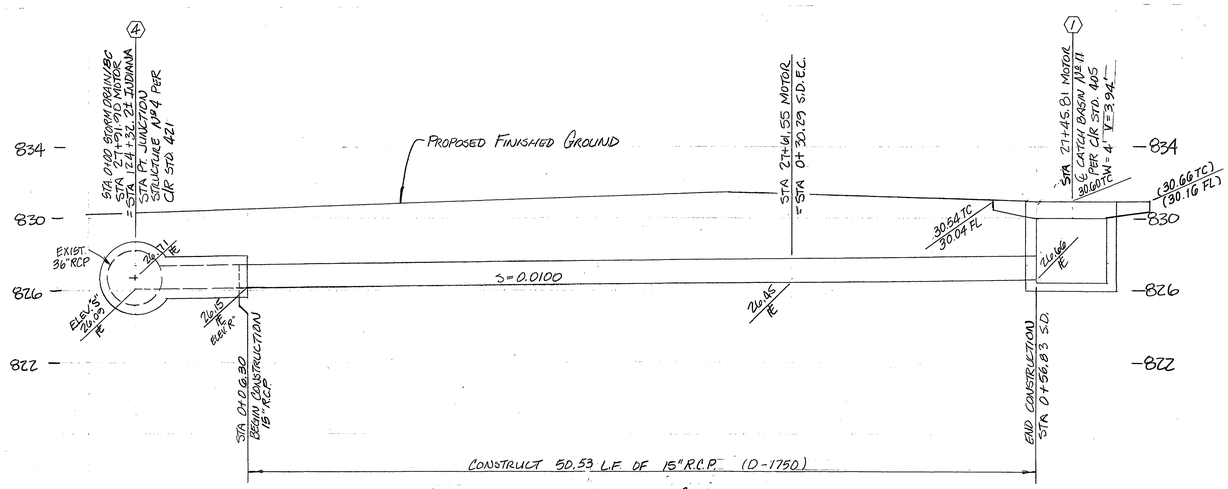

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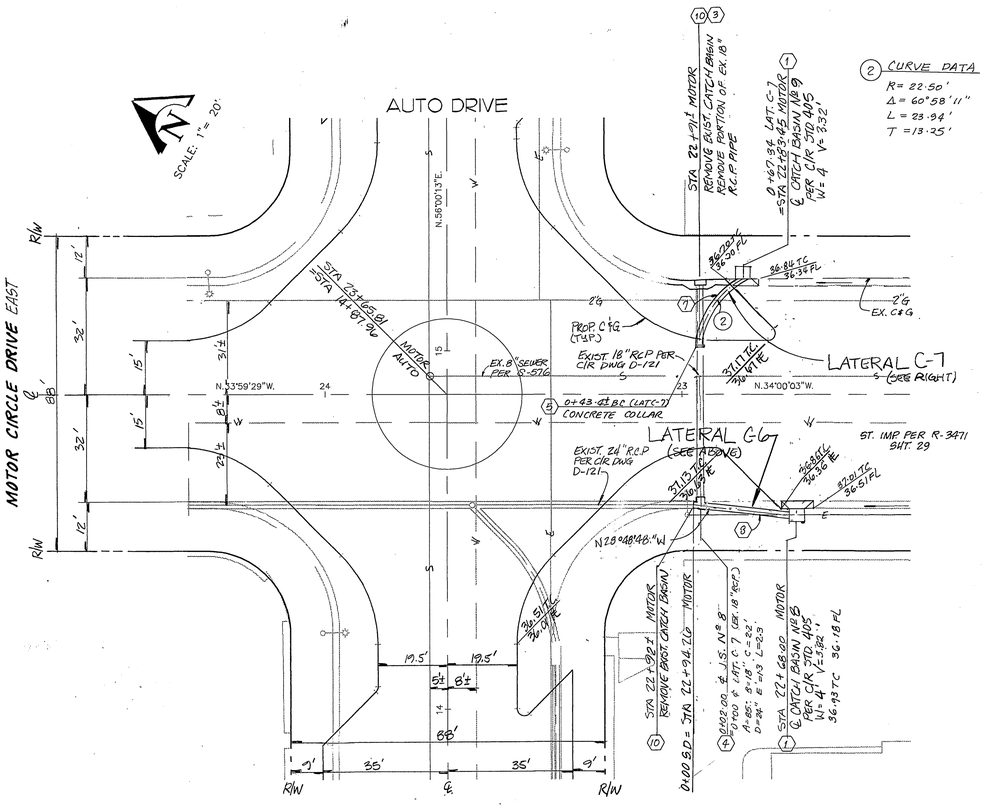

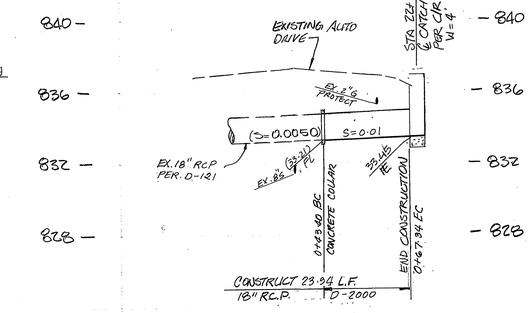

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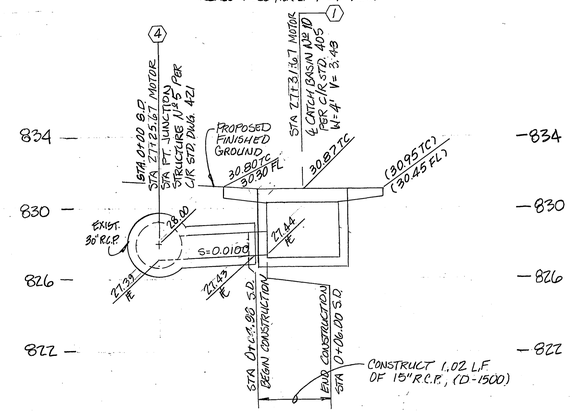

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T= 20.23'

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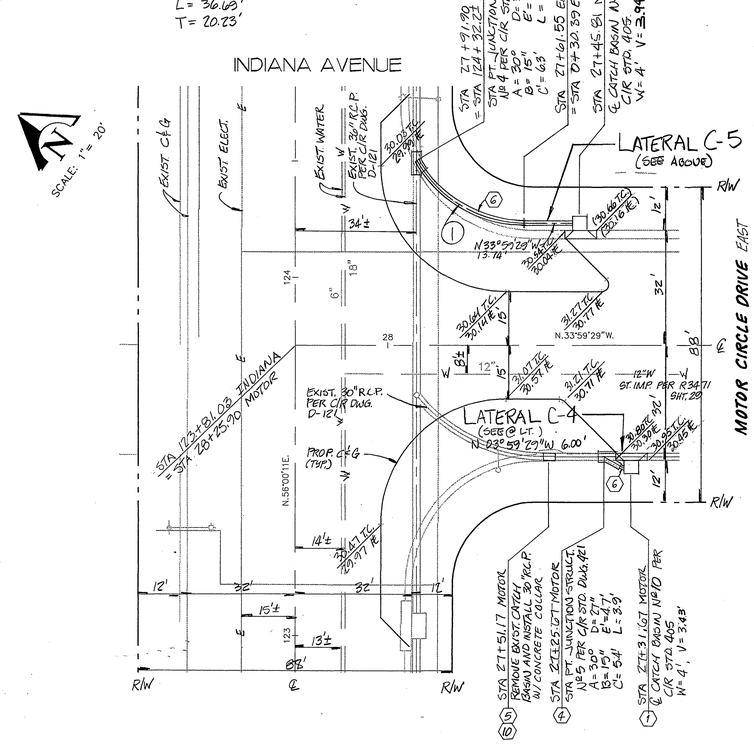

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REGISTERED PROFESSIONAL ENGINEERS — JOHN W. CANTY — R.C.E. No. 17550 — Exp. 6-30-01 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY, PE
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 11/4/97
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT–WATER
APPROVED BY
11/12/97 DATE
VOID ONE YEAR FROM THIS DATE

CEG CANTY ENGINEERING GROUP, INC.
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CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-98

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MARK	REVISIONS	APPR.	DATE

DESIGNED BY JAO DRAWN BY JAO CHECKED BY DLD

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGR.		
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
STORM DRAIN PLAN
MOTOR CIRCLE
LATERAL C-4 & C-7

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 4 OF 9
FILE NO.: 9613380

INDEXED 10-11-2000 LH

PLOT DATE: 2-25-97
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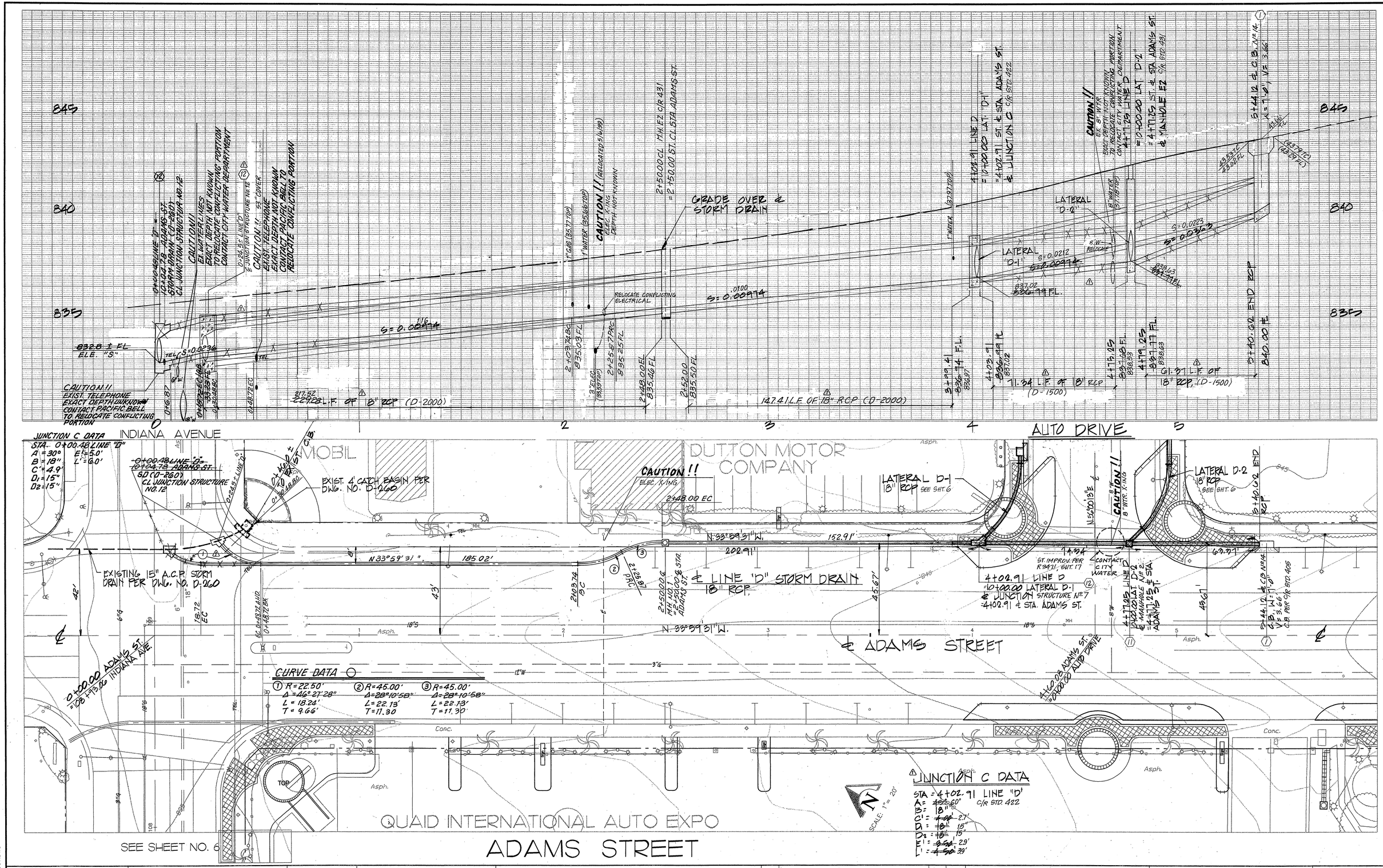

Underground Service Alert
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422 – 4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 12/16/97
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT—WATER
APPROVED BY
VOID ONE YEAR FROM THIS DATE
DATE

CBG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING – PLANNING – SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301
CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-98

SCALE: HORIZ.: 1"=30' VERT.: 1"=2'
DATE: FEBRUARY 1997
BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE
⚠	REVISED SD LINE "D"	[illegible]	5/14/98

DESIGNED BY T.N.T. DRAWN BY T.N.T. CHECKED BY T.N.T.

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGR.	[illegible]	5/14/98
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

APPROVED BY
R McGrath
DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA

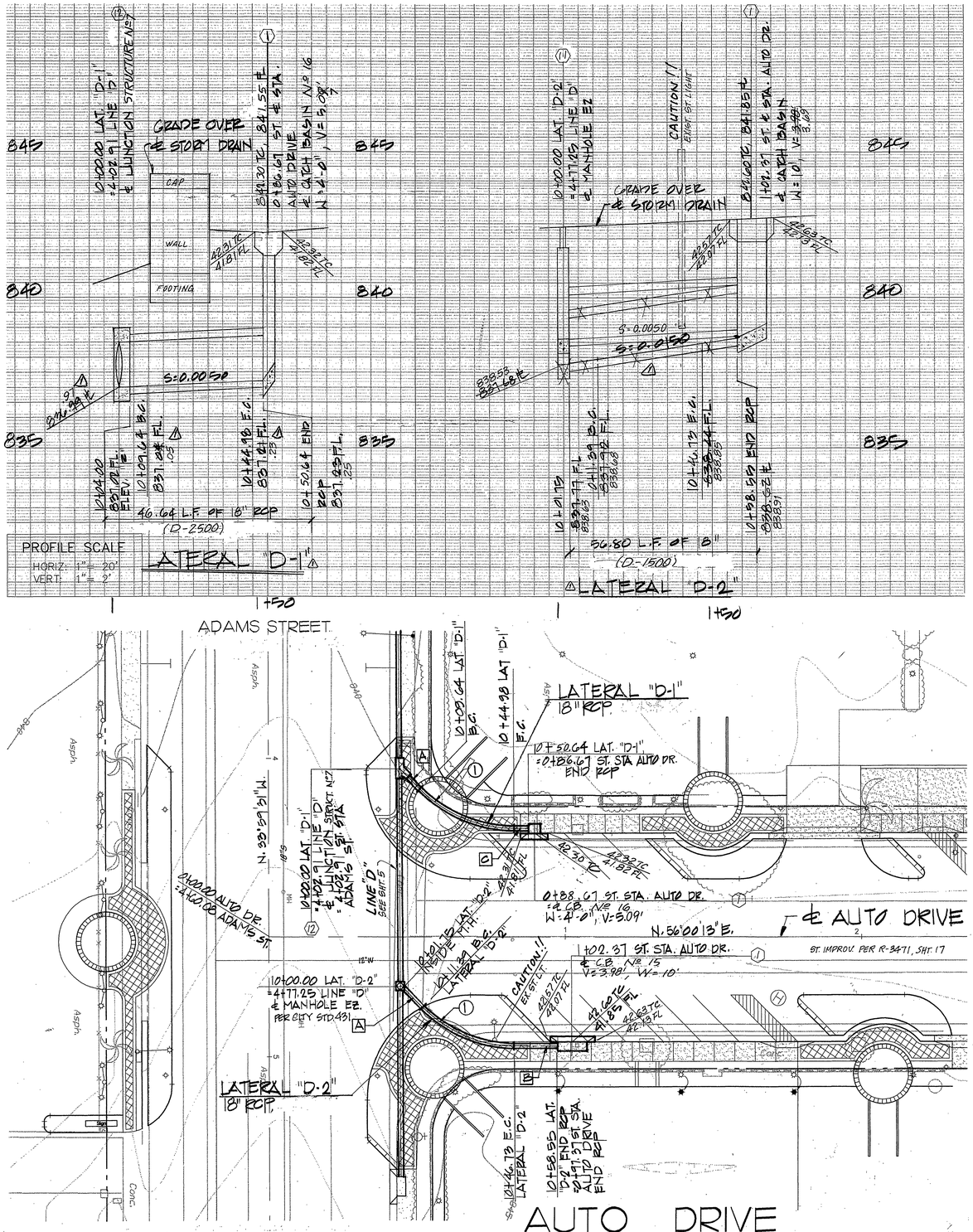
AUTO CENTER RENOVATION PLAN
STORM DRAIN PLAN
ADAMS STREET
LINE "D"

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 5 OF 9
FILE NO.: 9613380

INDEXED 10-11-2000 LH

PLOT DATE: 3-25-97
K:\9613380\STREETS\3380SD07.DWG



SCALE: 1" = 20'

CURVE DATA ○

① R = 45.00'
Δ = 45°00'00"
T = 18.64'
L = 35.34'

LINE DATA □

Ⓐ S. 78°59'31"E. - 9.64'
Ⓑ S. 56°00'29"W. - 11.82'
Ⓒ S. 56°00'29"W. - 5.66'
Ⓐ1 S. 78°59'31"E - 5.63' ◬

Underground Service Alert
Call: TOLL FREE
1 – 800
422 – 4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY, PE
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 11/6/97
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT–WATER
APPROVED BY: DATE: 11/12/97
VOID ONE YEAR FROM THIS DATE

CBG CANTY ENGINEERING GROUP, INC.
CIVIL-ENGINEERING – PLANNING – SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301
CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-98

SCALE: HORIZ.: 1"=20' VERT.: 1"=2'
DATE: FEBRUARY 1997
BENCH MARK: RIV. CO. BM 601–21–68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE
⚠	REVISED LATERALS "D-1" & "D-2"	TC	5/19/98

DESIGNED BY T.N.T. DRAWN BY T.N.T. CHECKED BY T.N.T.

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY ENGR.		
PRINCIPAL ENGR.	TC	5/19/98
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

APPROVED BY
R McDaniel
DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
STORM DRAIN PLAN
AUTO DRIVE
LATERALS "D-1" & "D-2"

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 6 OF 9
FILE NO.: 9613380

RE 9/22/98

INDEXED 10-11-2002 HH

PLOT DATE: 3-25-97
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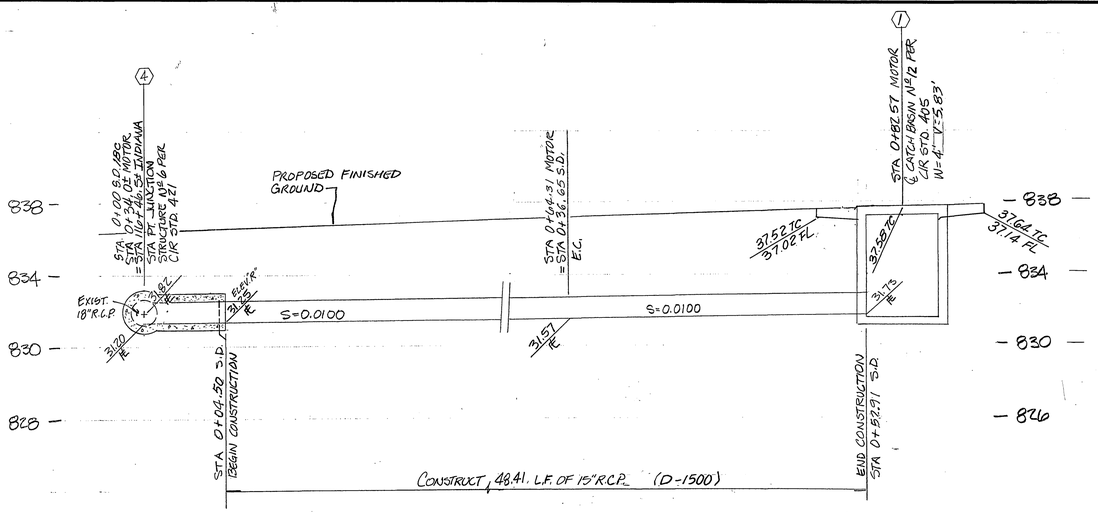
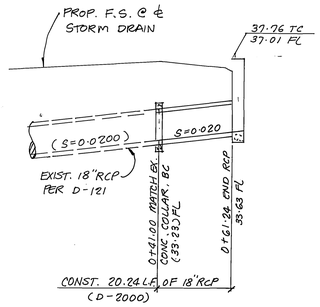


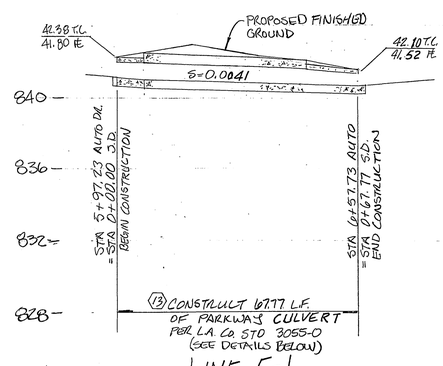
LATERAL E-1

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



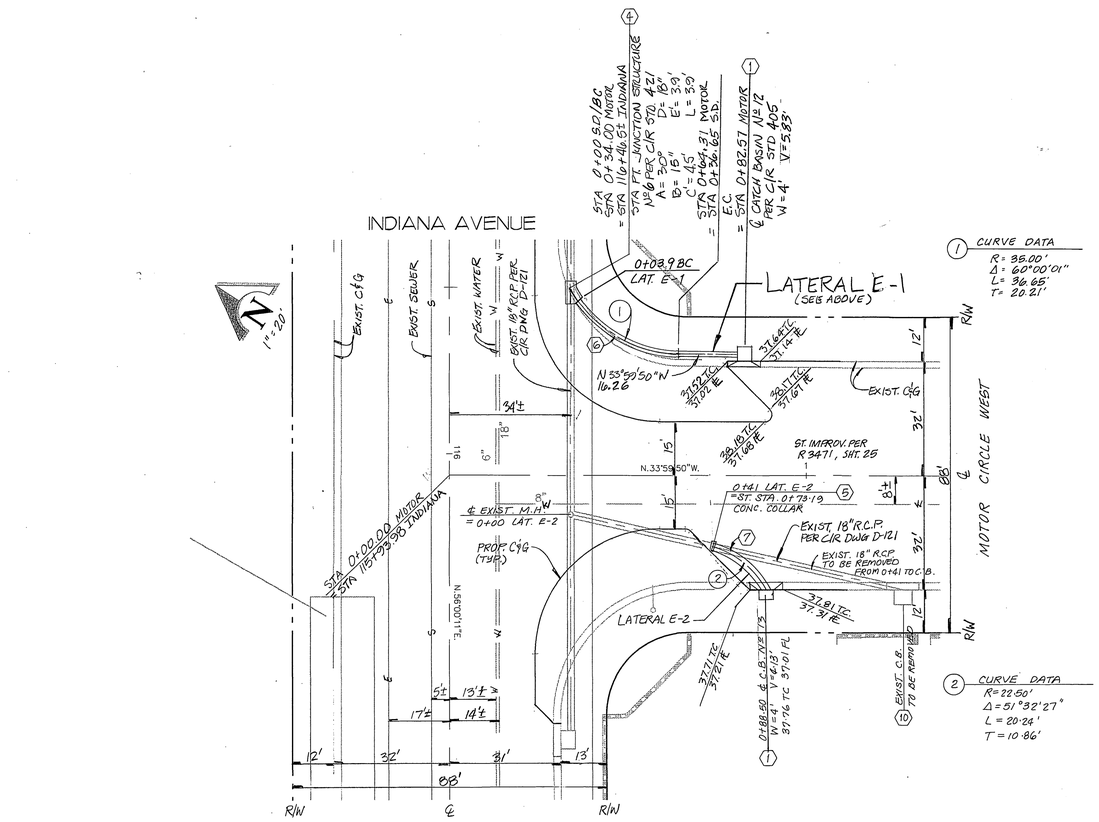
LATERAL E-2

SCALE: HORIZ. 1"=20' VERT: 1"=4'



LINE F-1

SCALE: 1"=20' HORIZ. 1"=4' VERT.



(1) CURVE DATA
R = 88.00'
Δ = 60°00'01"
L = 36.65'
T = 20.21'

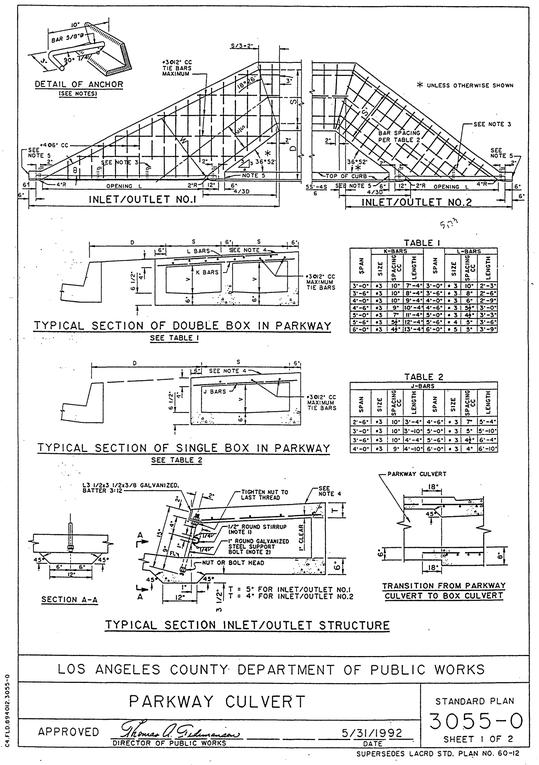
(2) CURVE DATA
R = 22.50'
Δ = 51°32'27"
L = 20.24'
T = 10.86'

NOTES

1. CATCH BASIN PROTECTION BAR AND STIRRUPS TO BE INSTALLED AT INLETS ONLY.
2. STEEL SUPPORTS TO BE SPACED EVENLY IN OPENING AND NOT TO EXCEED 7' CC. THREAD 3" ON UPPER END.
3. NOT LESS THAN 3 5/8"DIA. X 10" ANCHOR BOLTS WELDED TO ANGLE.
4. SLOPE 1/4" PER FOOT UNLESS OTHERWISE SHOWN: SIDEWALK FINISH.
5. CONSTRUCTION JOINT.
6. REINFORCING STEEL SHALL HAVE A COVERING OF AT LEAST 1" OF CONCRETE AT ALL POINTS.
7. SPACING OF TRANSVERSE REINFORCEMENT SHALL BE MEASURED ALONG OF CULVERT EXCEPTING INLET/OUTLET NO. 1.
8. ALL REINFORCING BARS SHALL BE LAPPED 20 BAR DIAMETERS AT ALL SPLICES.
9. FLOOR TO BE TROWELED SMOOTH.
10. A HEADED STEEL STUD 1/2" X 5 3/16" WITH HEAD D=1" ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
11. REINFORCING STEEL AND CONCRETE SHALL BE PER APWA "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

PARKWAY CULVERT — STANDARD PLAN 3055-0 SHEET 2 OF 2



LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

PARKWAY CULVERT — STANDARD PLAN 3055-0 SHEET 1 OF 2

APPROVED Thomas A. Tidemanson DIRECTOR OF PUBLIC WORKS — 5/31/1992 DATE

SUPERSEDES LACRD STD. PLAN NO. 60-12

C4\FLD\89402\3055-0

LINE F-1 Details

Underground Service Alert
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422 – 4133
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PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY, PE
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 11/4/97
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT—WATER
APPROVED BY 11/12/97 DATE
VOID ONE YEAR FROM THIS DATE

CBG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING – PLANNING – SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL. (909) 683 – 5234 FAX (909) 683 – 5301
CITY OF RIV. BUSINESS TAX ACCT. NO. 69372 EXP. DATE 04-07-98

SCALE: AS SHOWN
DATE: FEBRUARY 1997
BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JAO DRAWN BY JAO CHECKED BY DLD

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

	APPROVED BY	DATE
PRINCIPAL ENGR.		
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

APPROVED BY R. McGrath DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
STORM DRAIN
MOTOR CIRCLE WEST
LATERAL E-1 & E-2

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 7 OF 9
FILE NO.: 9613380

INDEXED 10-11-2000 LH

PLOT DATE: 3-6-97
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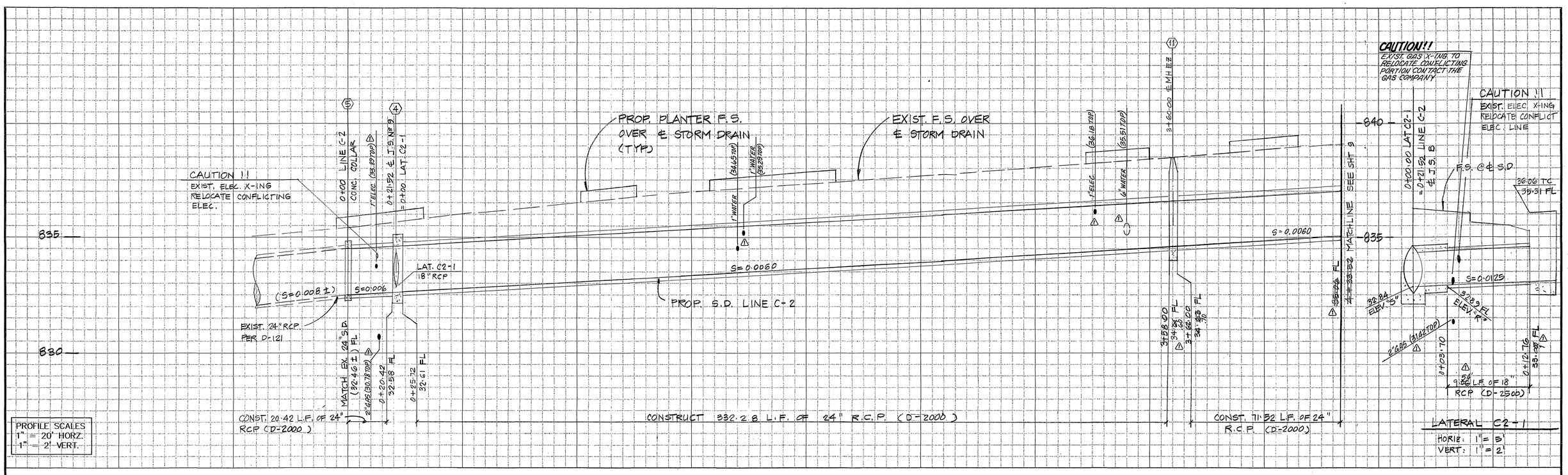

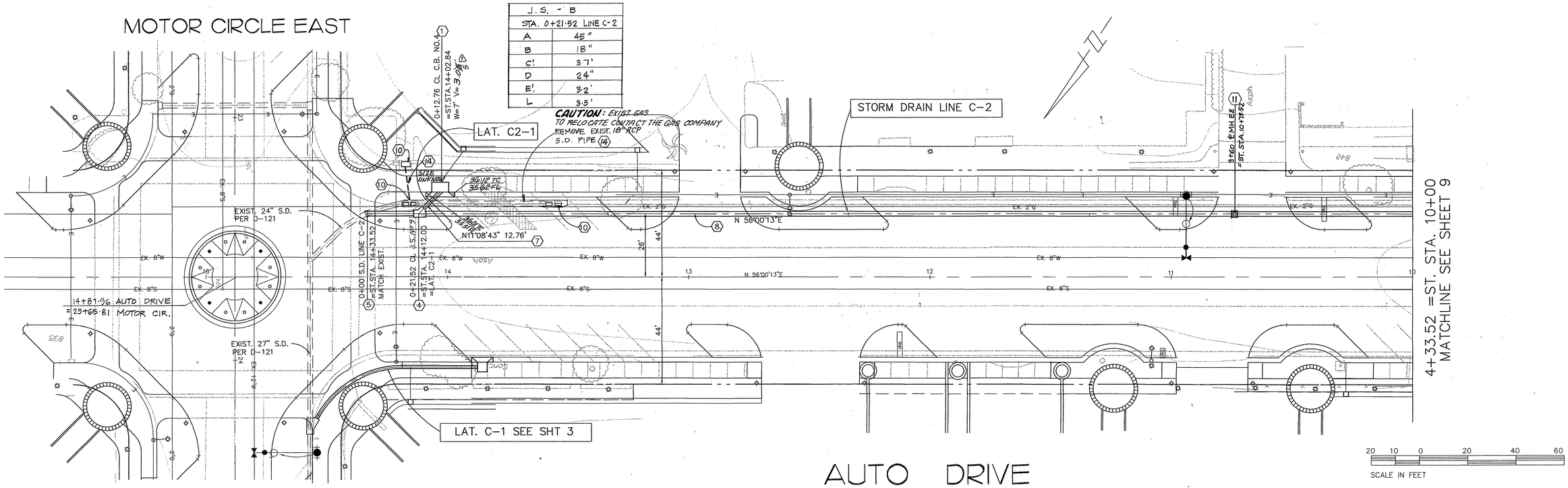

Underground Service Alert
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227–2600
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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

PREPARED UNDER THE DIRECTION OF:
JOHN W. CANTY, PE
REGISTERED CIVIL ENGINEER NO: 17550
EXPIRATION DATE: 6-30-01 DATE: 11/4/97
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT–WATER
APPROVED BY _____ DATE 11/10/97
VOID ONE YEAR FROM THIS DATE

SCALE: 1"=20'
DATE: JULY 1997

CBG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING – PLANNING – SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301

BENCH MARK: RIV. CO. BM 601–21–68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE
1	REVISED VAR. STATIONS & UTILITY CROSSINGS - SD. C-2		4/1/98

DESIGNED BY LM DRAWN BY LM CHECKED BY D.L.D./J.W.C.

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY		
PRINCIPAL ENGR.		
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

APPROVED BY
R. McGrath
DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
STORM DRAIN PLAN
AUTO DRIVE
LINE C-2, LAT. C2-1

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 8 OF 9
FILE NO.: 1036-003

INDEXED 10-11-2000 KH

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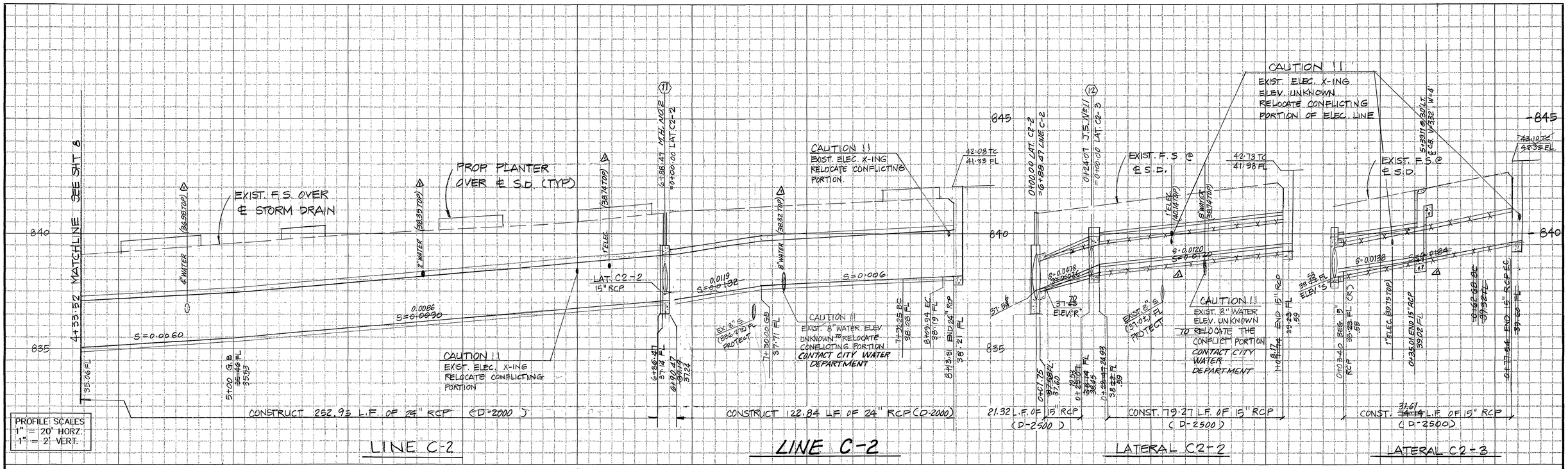

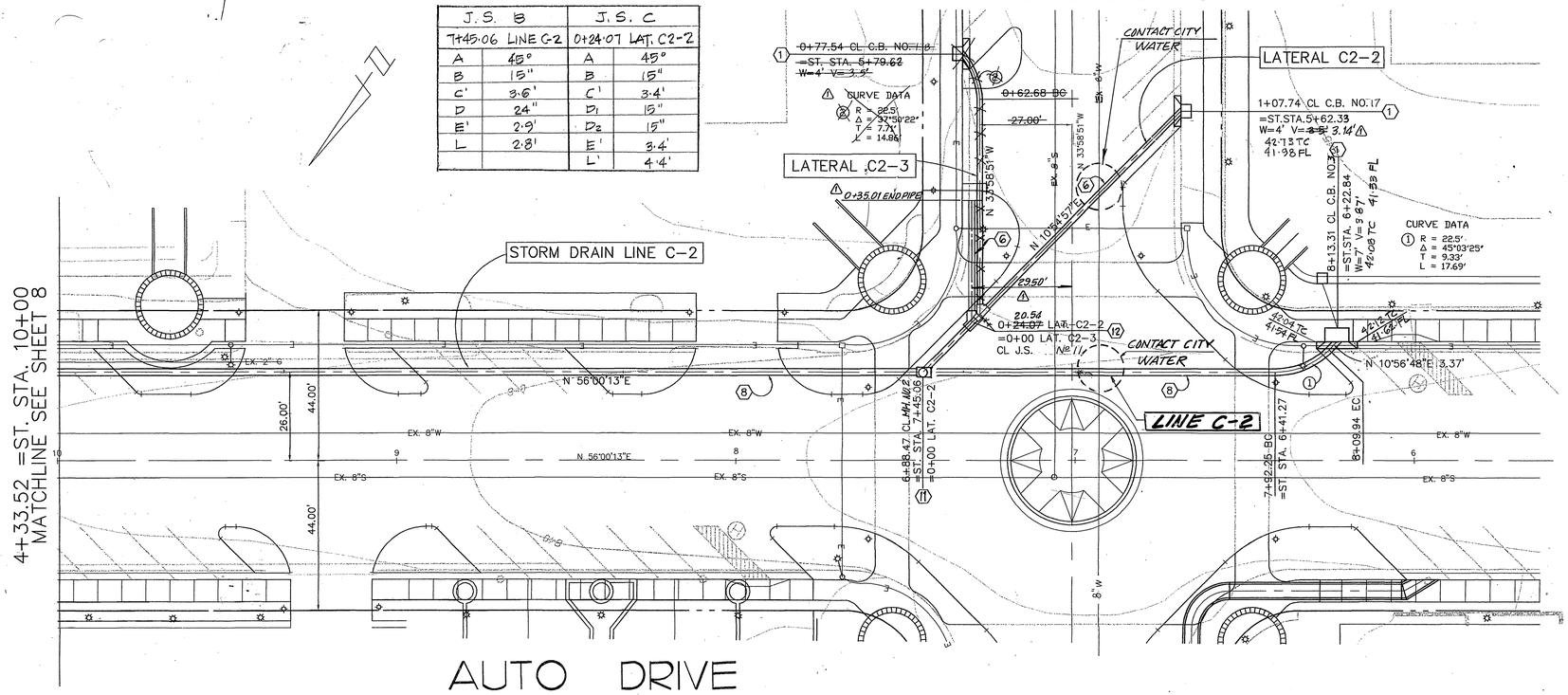

Underground Service Alert Call: TOLL FREE 1 – 800 227–2600 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

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

PREPARED UNDER THE DIRECTION OF: JOHN W. CANTY, PE
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-01 DATE: 11/6/97
CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT—WATER
APPROVED BY ____ DATE ____
VOID ONE YEAR FROM THIS DATE

CEG CANTY ENGINEERING GROUP, INC.
CIVIL ENGINEERING – PLANNING – SURVEYING
3120 CHICAGO AVENUE, SUITE 180, P.O. BOX 52050, RIVERSIDE, CA 92517
TEL (909) 683 – 5234 FAX (909) 683 – 5301

SCALE: 1"=20' DATE: JULY 1997

BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE
1	REVISED S.D. C-2 & LAT. C2-2 & C2-3 AND UTIL. LOC.	LM	6/24/98

DESIGNED BY LM DRAWN BY LM CHECKED BY

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY		
PRINCIPAL ENGR.	[illegible]	7/24/98
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

D.L.D. / J.W.C.

APPROVED BY R. M. Smith DIRECTOR OF PUBLIC WORKS
DATE 10-19-98

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
STORM DRAIN PLAN
AUTO DRIVE
LINE C-2, LAT. C2-2, LAT. C2-3

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. D-650
SHEET 9 OF 9
FILE NO.: 1036-003

INDEXED 10-11-2000 LH

C:\CINDY\3380s009.dwg Mon Aug 04 10:30:41 1997