RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE

INCORPORATED 1883

PUBLIC WORKS DEPARTMENT

ADAMS STREET / LINCOLN AVENUE STORM DRAIN

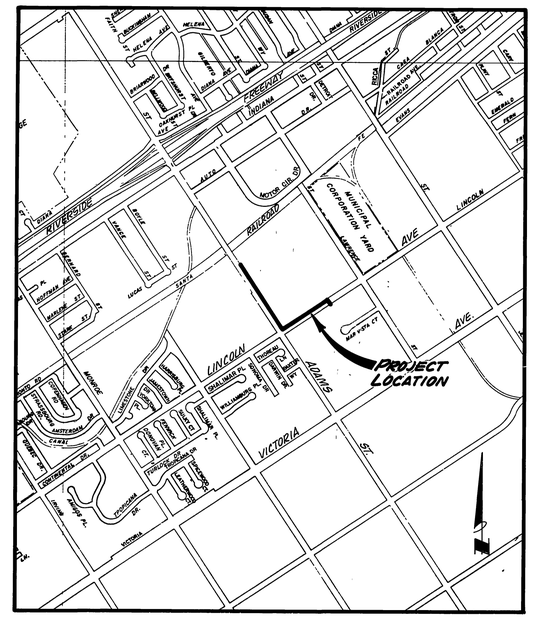
FROM 1000' N'LY OF LINCOLN AVENUE TO 700' E'LY OF ADAMS STREET

GENERAL NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STD. DRAWINGS AND STD. SPECS. FOR PUBLIC WORKS CONST. 1985 EDITION & 1986-87 SUPPLEMENTS.
2. TRENCH RESURFACING STRUCTURAL SECTION SHALL BE 0.26' A.C. OVER 0.37' AGG. BASE MAT. ON ADAMS STREET AND 0.33' A.C. OVER 0.33' AGG. BASE MAT. ON LINCOLN AVENUE.
3. CUT & FILL SLOPE SHALL BE 1.5:1 OR FLATTER.
4. REMOVE ALL A.C. BERMS WITHIN PROJECT LIMITS.
5. ALL EXIST. DATE PALM & PECAN TREES WILL BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

- NUMBERS ABOVE 100 IN A HEXAGON REFER TO THE RESPECTIVE STD. DWG. AND SHALL BE CONST. ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN. ANY NUMBER SHOWN BELOW THE STD. DWG. NUMBER INDICATES THE ALTERNATE TO BE CONSTRUCTED.
- 1 — CONST. STREET STRUCTURAL SECTION 0.26' A.C. OVER 0.37' BASE MATERIAL. REMOVE EXIST. A.C. PAVEMENT
- 3 — REMOVE EXIST. A.C. PAVEMENT AT DRIVEWAY & REPLACE WITH 0.5' A.C. OVER COMPACTED NATIVE MATERIAL.
- 6 — CONST. TRANSITION STRUCTURE PER DETAILS & NOTES SHOWN ON SHT. 3.
- 7 — CONST. SINGLE 8'x6' R.C.B. CULVERT W/2' OF COVER PER STATE STD. D80 & D83, AND TYPICAL SECTION SHOWN ON SHT. 4.
- 8 — CONST. R.C.B. WINGWALL PER STATE STD. D84, DESIGN H=11'
- 412 — MOD — CONST. MODIFIED C.S.P. INLET W/5' DIA. C.S.P., GA. #12.
- 424 M — CONST. CONC. COLLAR - MODIFIED PER DETAIL SHOWN ON SHT. 2.
- 9 — CONST. DIRT SWALE @ THE VICINITY OF STA. 17+50, LT. OF ADAMS ST. AND GRADE AREA BEHIND BERM AS SHOWN ON PLAN.
- 10 — CONST. CONC. APRON & CHANNEL LINING PER DETAIL SHOWN ON SHEET 4.



LOCATION MAP

SCALE: 1" = 1000'

ENGINEER IN RESPONSIBLE CHARGE

HANS J. KAMRATH
RCE 14712 expires 3/31/89
DATE 6/26/1987

REGISTERED PROFESSIONAL ENGINEER HANS J. KAMRATH NO: 14712 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR	DATE
1	DELETED NOTE 11 BMT 11.23.87		11/23/87

DESIGNED BY [signature] DRAWN BY BMT CHECKED BY [signature]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	11-3-87	[signature]
DEPUTY P.W. DIRECTOR	11-6	[signature]
TRAFFIC DIVISION	6/25/87	[signature]
INSPECTION	6/26/87	[signature]
SURVEY	6/26/87	[signature]

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 11/6/87

ADAMS STREET / LINCOLN AVENUE STORM DRAIN

TITLE SHEET

HORIZ. SCALE: 1" = VERT. SCALE: 1" =

ACCOUNT NO. 09-573-417

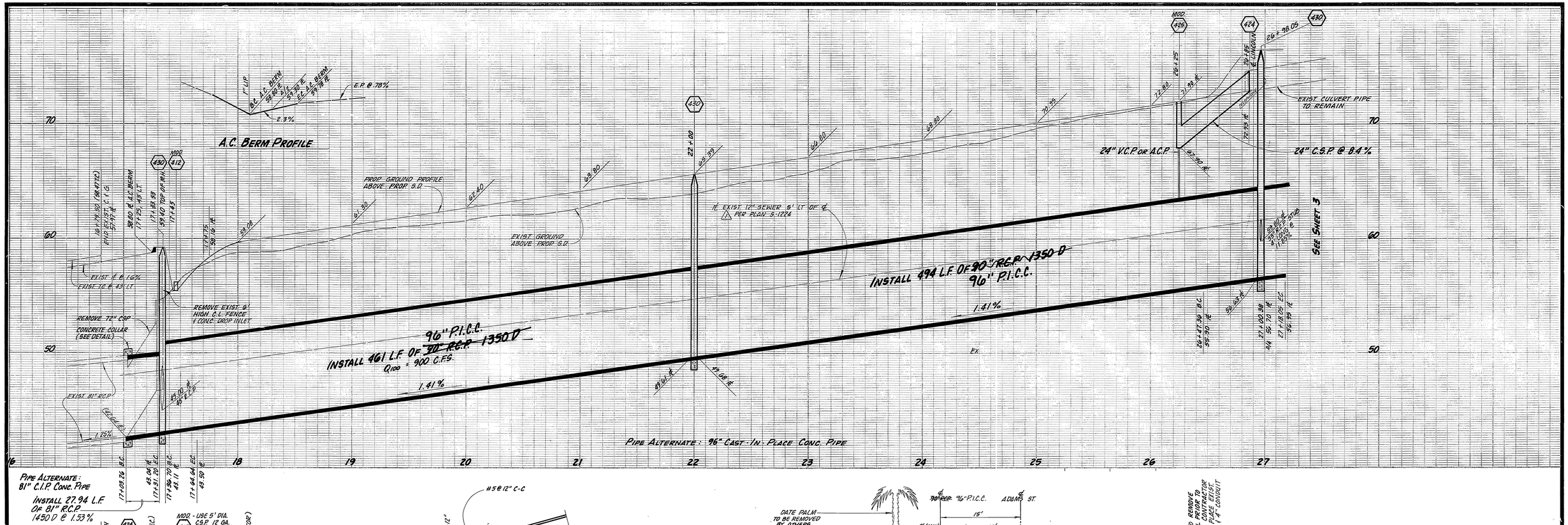
D-508

SHEET 1 OF 4

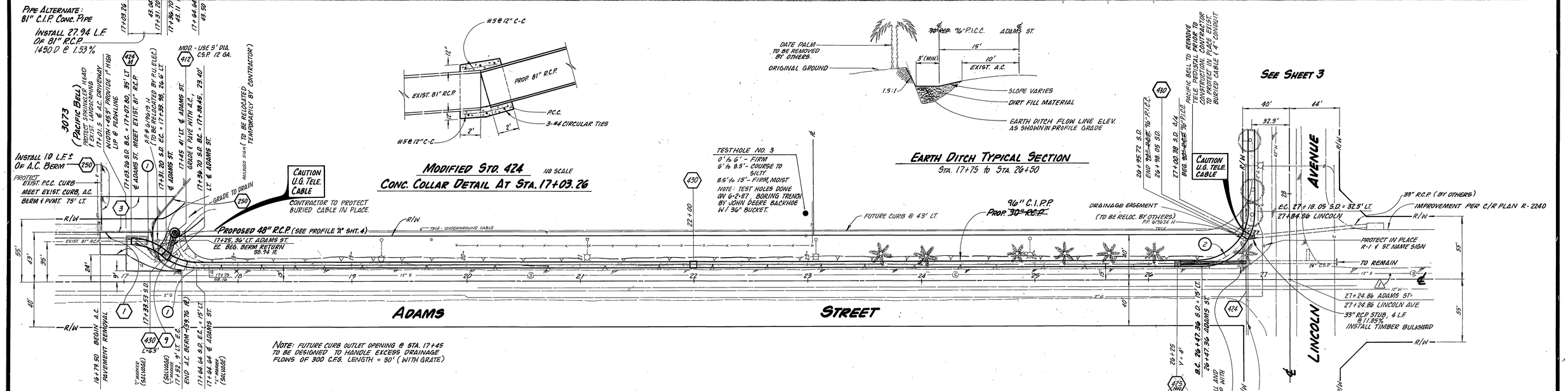
INDEXED 3-8-91 [initials]

88531

OZALID-NO 2



PIPE ALTERNATE:
81" C.I.P. CONC. PIPE
INSTALL 27.94 L.F.
OF 81" R.C.P.
1450 D @ 1.53%



MODIFIED STD. 424 NO SCALE
CONC. COLLAR DETAIL AT STA. 17+03.26

EARTH DITCH TYPICAL SECTION
STA. 17+75 to STA. 26+50

NOTE: FUTURE CURB OUTLET OPENING @ STA. 17+45 TO BE DESIGNED TO HANDLE EXCESS DRAINAGE FLOWS OF 300 C.F.S. LENGTH = 30' (WITH GRATE)

STORM DRAIN CURVE DATA					
	Δ	R	L	T	
1	35° 34' 38"	45'	27.94'	14.44'	
2	90° 00' 00"	45'	70.69'	45.00'	

A.C. BERM RETURN DATA
Δ = 90° 00' 00"
R = 27'
T = 27'
L = 42.41'

MARK	REVISIONS	APPR.	DATE
1	ADDED 12" SEWER @ ADAMS ST. PROJ. 11-18-87		

DESIGNED BY: [illegible] DRAWN BY: [illegible] CHECKED BY: [illegible]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	10-2-87	
DEPUTY PW DIRECTOR	11-2	
TRAFFIC DIVISION	6/25/87	
INSPECTION	6/26/87	
SURVEY	6/26/87	

APPROVED BY: Barry Beal
PUBLIC WORKS DIRECTOR
DATE 11/6/87

ADAMS STREET / LINCOLN AVENUE STORM DRAIN

FROM ADAMS ST., 1000'± N.W'LY OF LINCOLN AVE. TO LINCOLN AVE AT ST. LAWRENCE WASH

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

ACCOUNT NO. 09-573-417

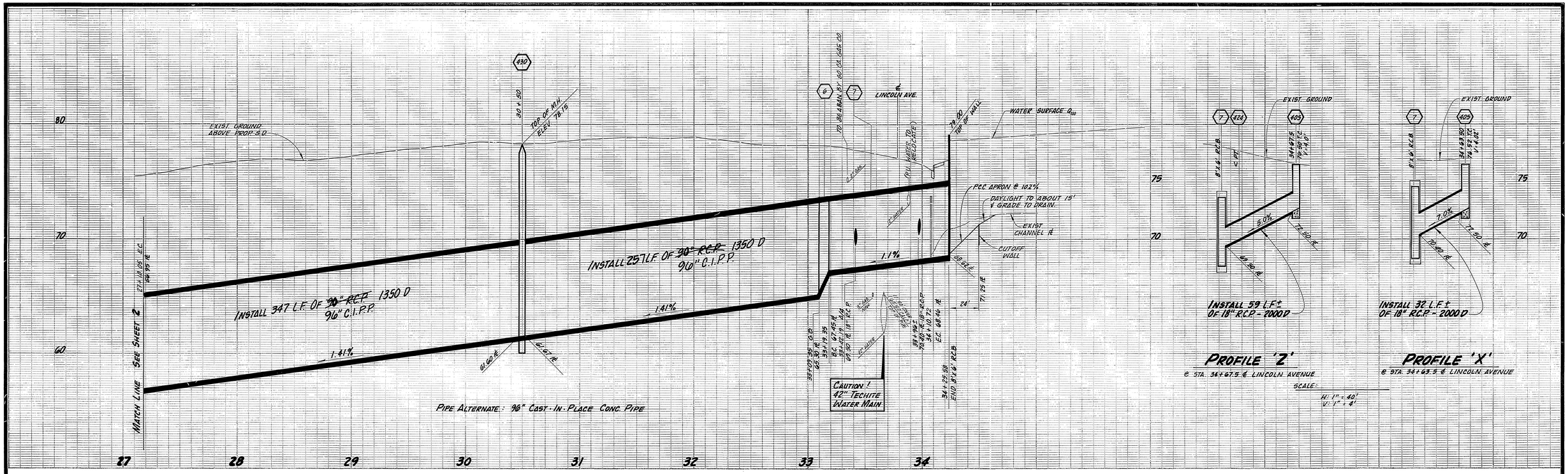
D-508

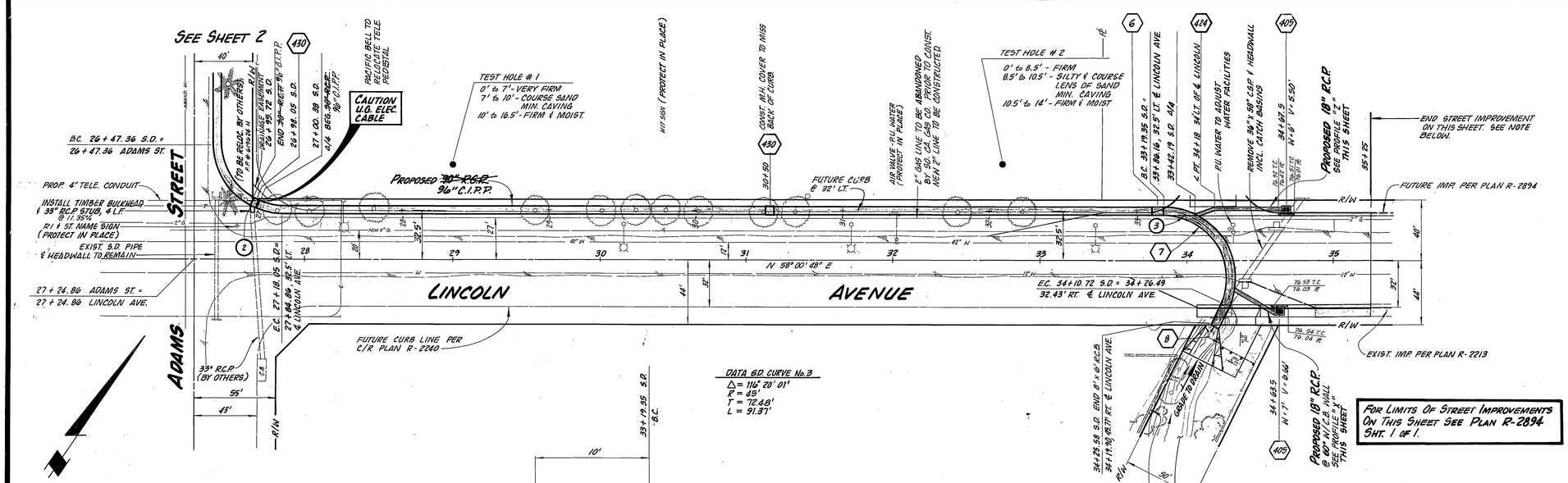
SHEET 2 OF 4

INDEXED 3-8-91 [illegible]

81630

OZALID NO.1





FOR LIMITS OF STREET IMPROVEMENTS ON THIS SHEET SEE PLAN R-2894 SHT. 1 OF 1.

TRANSITION STRUCTURE NOTES

1. CONSTRUCTION OF TRANSITION STRUCTURE INCLUDING REINFORCING STEEL BAR SIZES, SPACING, PATTERN & COVER OVER THE STEEL SHALL BE THAT OF THE SINGLE 8'x 6' BOX CULVERT OF STATE STD. D-80. THE BAR LENGTHS SHALL VARY UNIFORMLY THROUGHOUT THE TRANSITION.
2. THE CONC. THICKNESS SHALL BE THAT OF THE BOX SECTION UNLESS THE WALL THICKNESS OF THE PIPE PLUS 4 INCHES IS GREATER, IN WHICH CASE THE CONC. THICKNESS SHALL VARY UNIFORMLY FROM THAT OF THE BOX SECTION TO THAT OF THE PIPE WALL PLUS 4 INCHES.
3. THE INTERIOR SURFACE SHALL BE SMOOTH AND VARY UNIFORMLY BETWEEN THE TWO ADJOINING SECTIONS.
4. CONC. SHALL BE CLASS A.

TRANSITION STRUCTURE

NO SCALE

(REINF. NOT SHOWN - SEE NOTES)

MARK	REVISIONS	APPR.	DATE
1	DELETED DEBRIS RACK		11-23-87

DESIGNED BY ___ DRAWN BY ___ CHECKED BY ___

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	11-3-87	
DEPUTY P.W. DIRECTOR	11-6	
TRAFFIC DIVISION	6/5/87	
INSPECTION	6/12/87	
SURVEY	6/26/87	

APPROVED BY Barry Beal
PUBLIC WORKS DIRECTOR
DATE 11/6/87

ADAMS STREET / LINCOLN AVENUE STORM DRAIN

FROM ADAMS ST., 1000'± N.W'LY OF LINCOLN AVE. TO LINCOLN AVE AT ST. LAWRENCE WASH

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

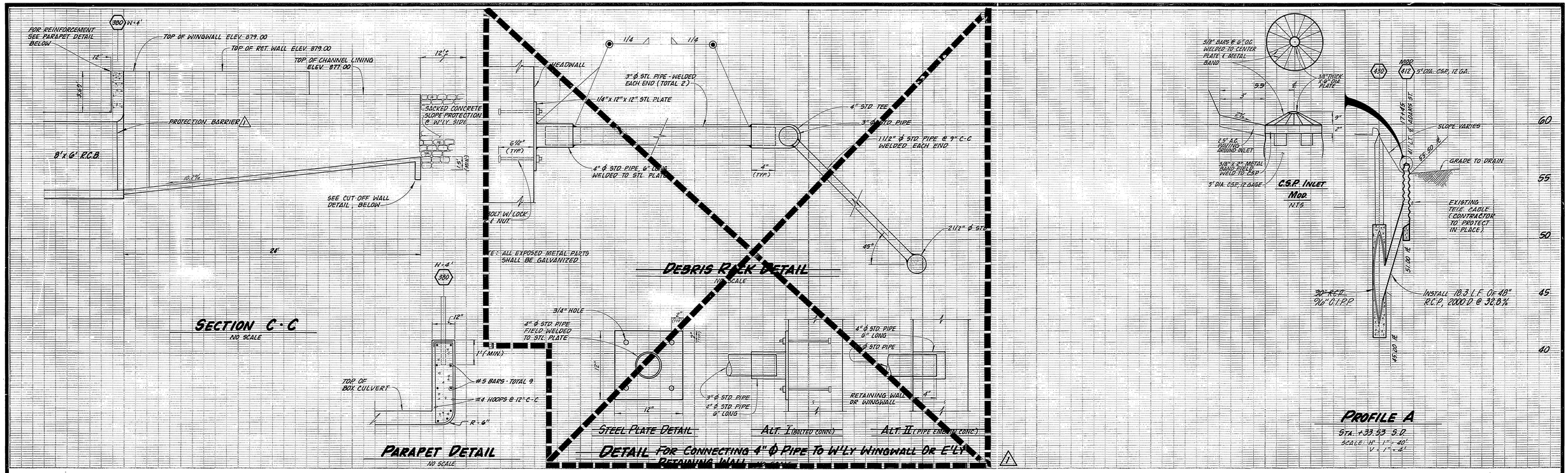
ACCOUNT NO. 09-573-417

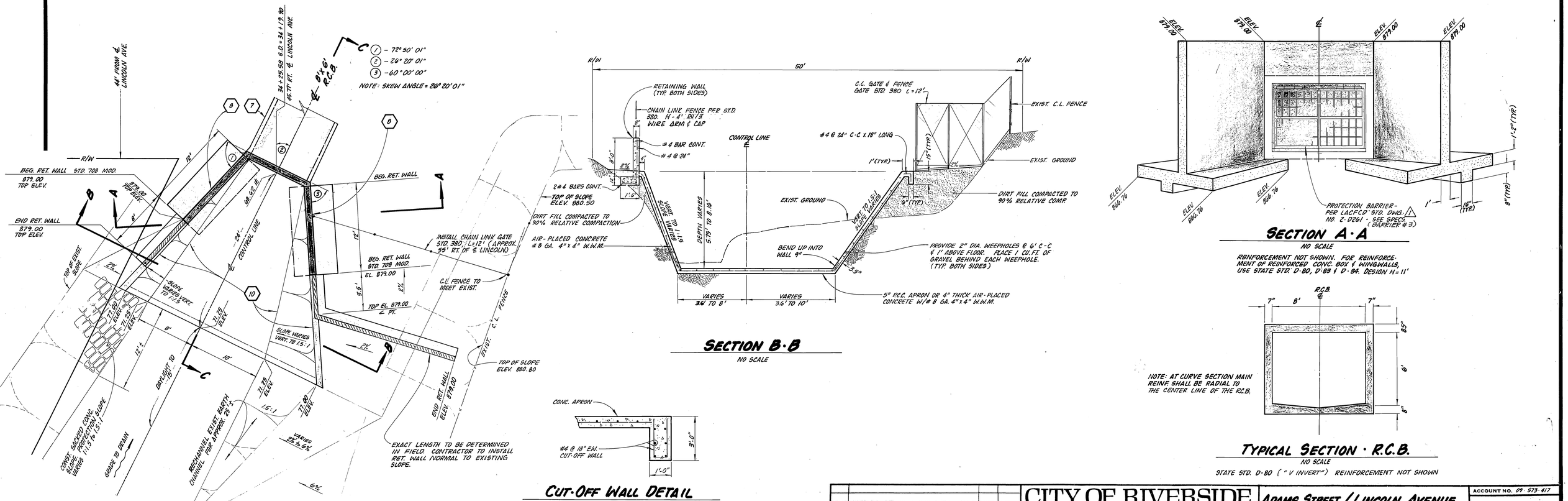
D-508

SHEET 3 OF 4

OZALID - NO.1

INDEXED 3-8-91





MARK	REVISIONS	APPR.	DATE
1	DELETE DEBRIS RACK - ADD PROTECTION BARRIER		

DESIGNED BY [illegible] DRAWN BY [illegible] CHECKED BY [illegible]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	11-3-87	[illegible]
DEPUTY P.W. DIRECTOR	11-2	[illegible]
TRAFFIC DIVISION	6/5/87	[illegible]
INSPECTION	6/26/87	[illegible]
SURVEY	6/26/87	[illegible]

APPROVED BY [illegible]
PUBLIC WORKS DIRECTOR
DATE 11/6/87

ADAMS STREET / LINCOLN AVENUE STORM DRAIN

DETAIL SHEET

SCALE: 1" = AS SHOWN

ACCOUNT NO. 09-973-417

D-508

SHEET 4 OF 4

OZALID - NO. 1

INDEXED 3-8-91