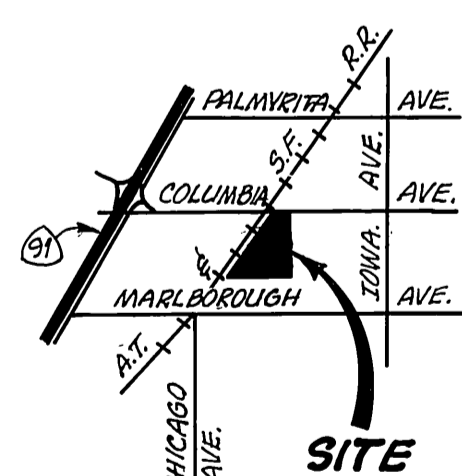


INDEX MAP
SCALE: 1"=100'



VICINITY MAP
NO SCALE

GENERAL NOTES

1. The private engineer signing these plans is responsible for the accuracy and acceptability of the work hereon. In the event of discrepancies arising during construction the private engineer signing the plans shall be responsible for determining an acceptable solution and revising the plans for approval by the City.
2. 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.
3. Construction shall be in accordance with the city of Riverside Department of Public Works, standard drawings, and the standard specifications for public works construction, 1979 Edition.
4. Location of laterals to be determined in the field at the direction of the owner. Avoid conflict with proposed and/or existing facilities.
5. Contractor is to verify existing sewer elevation prior to construction.
6. The sewer contractor shall adjust manholes to final grade after paving is completed.
7. A plug shall be installed and will remain in place where the new sewer connects with the existing sewer until the new sewer is accepted by the City.

CONSTRUCTION NOTES

- ① Construct 8" V.C.P. sewer main.
- ② Construct 4" V.C.P. laterals.
- ③ Construct manhole per City of Riverside standard no. 500.
- ④ Encase sewer 4.5' each side of water line with type "C" concrete encasement as per std. drawing C.W.D.-023.

BENCH MARK

JT-H CALIFORNIA DIVISION OF HIGHWAYS BRASS DISC IN CAPPED MONUMENT @ INTERSECTION OF LA CADENA DRIVE EAST @ COLUMBIA AVE.
ELEV. = 872.698

*as built 10-23-81 BRET

Indexed RRE

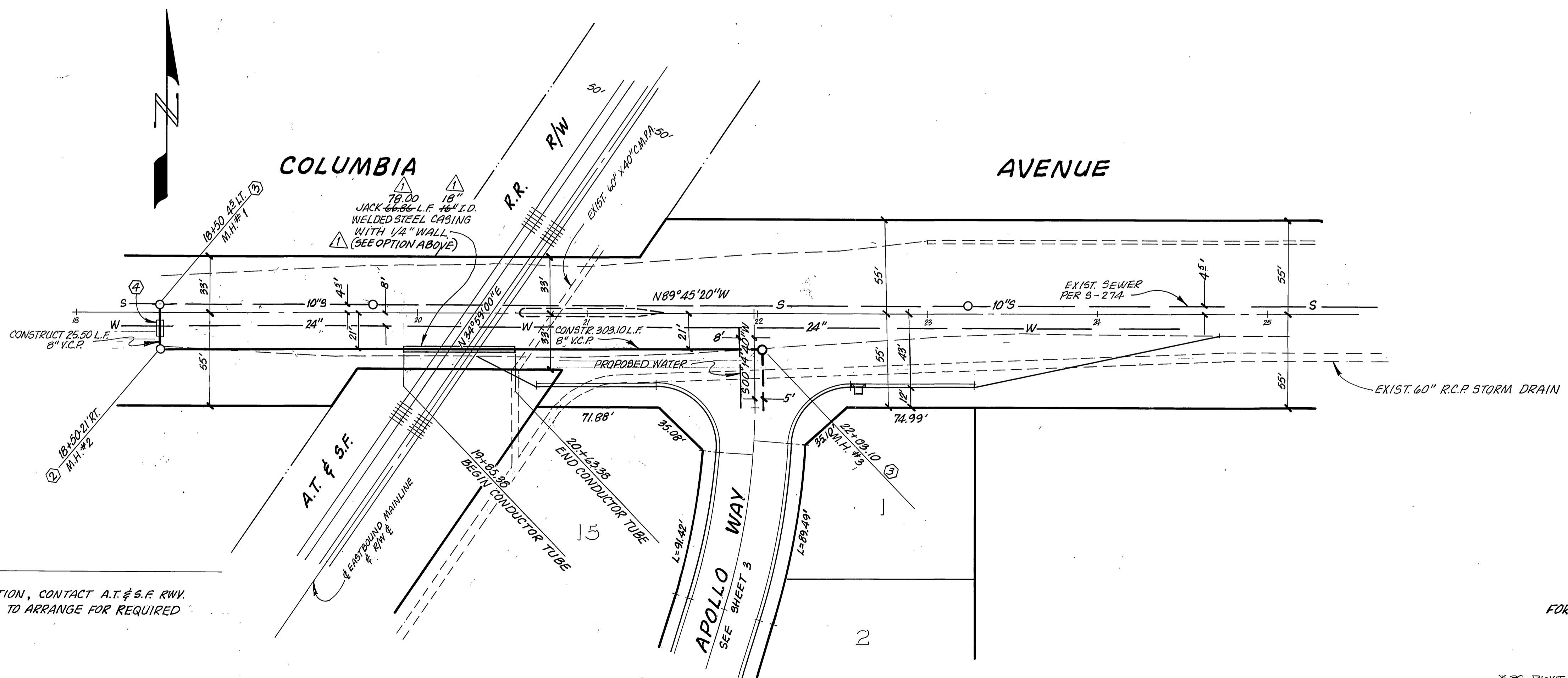
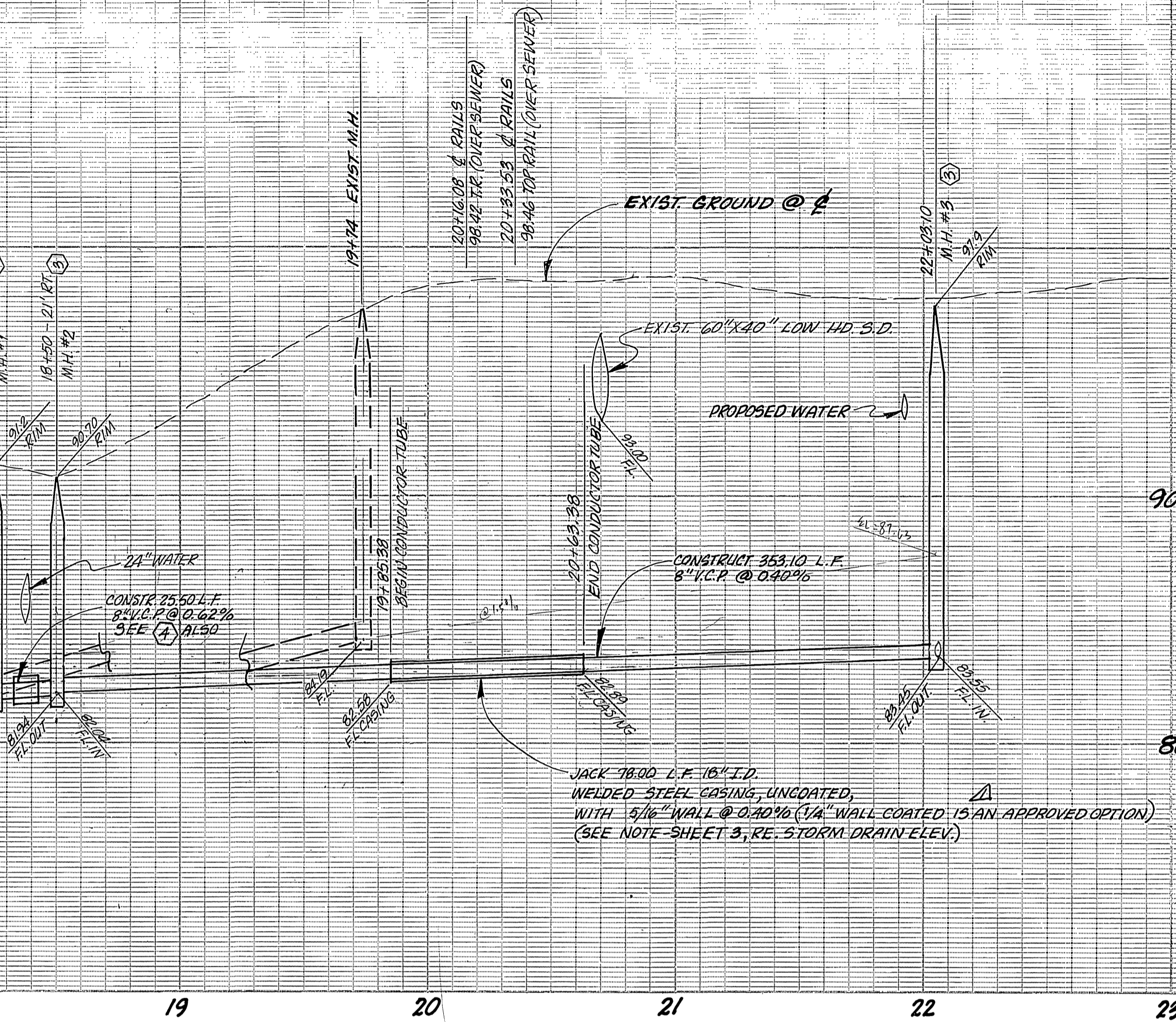
Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this Project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the Contractor 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 the Engineer.



J. F. DAVIDSON ASSOCIATES CIVIL ENGINEERS - SURVEYORS - PLANNERS RIVERSIDE, CALIFORNIA		CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		TITLE SHEET TRACT 14072 SEWER PLAN INDEX AND NOTES		ACCOUNT No. DRAWING NUMBER 5-1220	
APPROVED BY: <i>J. F. Davidson</i> DATE: 6/20/79 R.E. No. 17550		APPROVED BY: <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS		SHEET 1 OF 3		FILE# 5619	
W.O. 666 FOR: ZWICKER		DESIGNED BY: A.W. DRAWN BY: T.E.M. CHECKED BY: A.W.		SCALE:			

NOTE:
 CONTRACTOR TO EXPOSE EXISTING
 SEWER PRIOR TO CONSTRUCTION.
 ENGINEER TO VERIFY F.L. ELEVATION.
 EXPOSE F.L. AFTER CASING IS INSTALLED.

EXIST. 10" V.C.P. @ 2.03%



BENCH MARK
 17-H CALIFORNIA DIVISION OF HIGHWAYS BRASS
 DISC IN CAPPED MONUMENT @ INTERSECTION OF
 LA CADENA DRIVE EAST & COLUMBIA AVE.
 ELEV. = 872.698

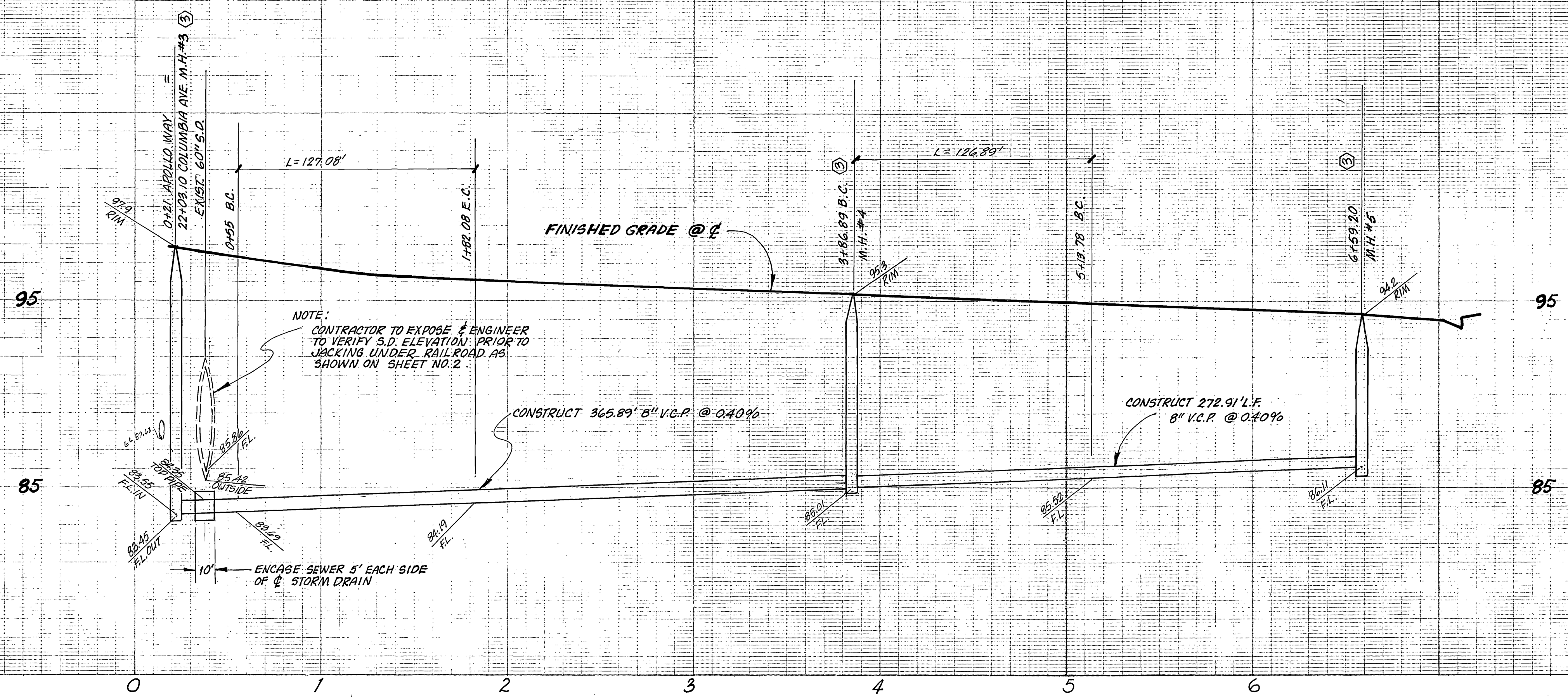
FOR GENERAL NOTES & CONSTRUCTION NOTES
 SEE SHEET ONE.

NOTE:
 PRIOR TO ANY CONSTRUCTION, CONTACT A.T. & S.F. RWY.
 @ (913) 267-5111 EXT 5403 TO ARRANGE FOR REQUIRED
 INSPECTIONS.

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 the Engineer.



CITY OF RIVERSIDE PUBLIC UTILITIES DEPT. WATER DIVISION BY: <i>Fred Lant</i> 2/2/79 CHIEF UTILITIES ENGINEER, WATER DATE	J. F. DAVIDSON ASSOCIATES CIVIL ENGINEERS - SURVEYORS - PLANNERS RIVERSIDE, CALIFORNIA APPROVED BY: <i>John W. Canty</i> DATE 4/20/79 R.E. No. 17550 W.D. 6166 FOR ZWICKER F.B.	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY: <i>[Signature]</i> PRINCIPAL ENGINEER TRAFFIC DIVISION CHIEF P.W. ENGINEER DATE 5-20-79	SEWER PLAN & PROFILE TRACT 14072 COLUMBIA AVENUE HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'		ACCOUNT NO. 5-1220 SHEET 2 OF 3 FILE # 5619
			* 25 BUILT 10-23-81 BEST INDEXED RKE		

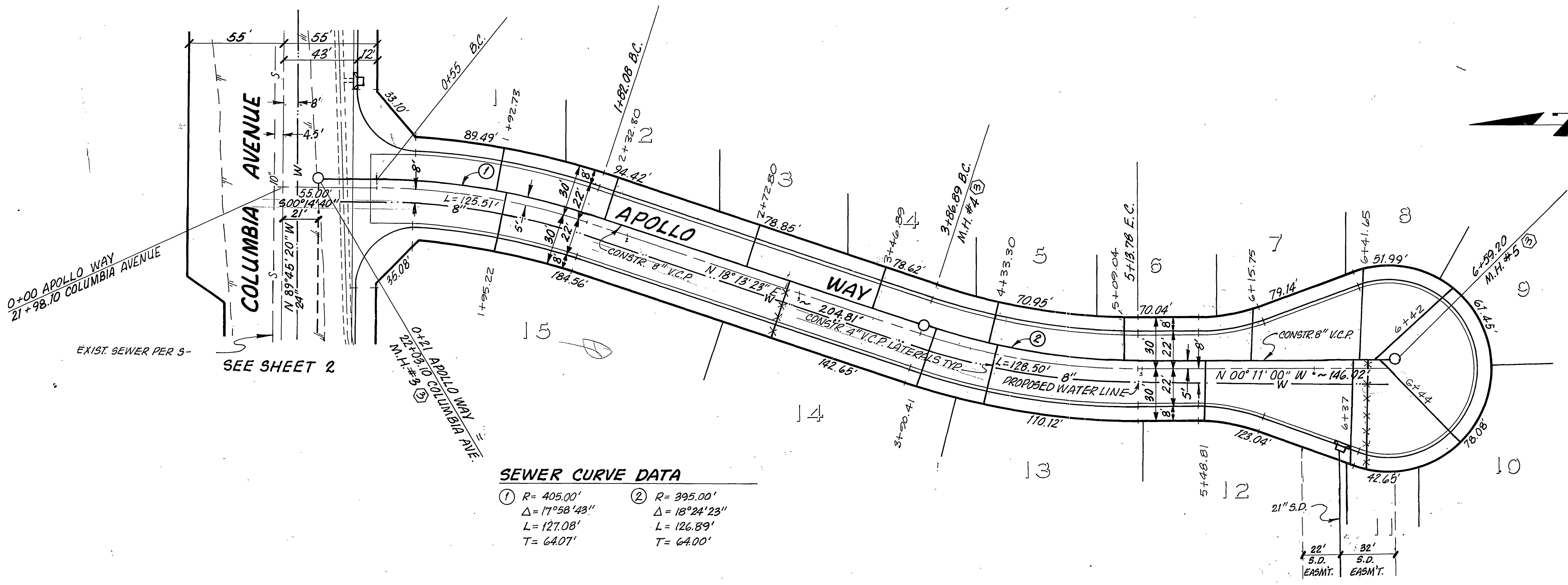


NOTE:
CONTRACTOR TO EXPOSE & ENGINEER
TO VERIFY S.D. ELEVATION PRIOR TO
JACKING UNDER RAILROAD AS
SHOWN ON SHEET NO. 2.

CONSTRUCT 365.89' 8" V.C.P. @ 0.40%

CONSTRUCT 272.91' L.F.
8" V.C.P. @ 0.40%

ENCASE SEWER 5' EACH SIDE
OF STORM DRAIN



SEWER CURVE DATA

- ① R = 405.00'
Δ = 17°58'43"
L = 127.08'
T = 64.07'
- ② R = 395.00'
Δ = 18°24'23"
L = 126.89'
T = 64.00'

BENCH MARK

JT-H CALIFORNIA DIVISION OF HIGHWAYS BRASS DISC
IN CAPPED MONUMENT @ INTERSECTION OF
LA CADENA DRIVE EAST & COLUMBIA AVE.
ELEV. = 872.698

FOR GENERAL NOTES & CONSTRUCTION NOTES
SEE SHEET ONE

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 the Engineer.



CITY OF RIVERSIDE
PUBLIC UTILITIES DEPT.
WATER DIVISION
BY: *Fred Lawt*
CHIEF UTILITIES ENGINEER, WATER
DATE: 8/4/99

J. F. DAVIDSON ASSOCIATES
CIVIL ENGINEERS - SURVEYORS - PLANNERS
RIVERSIDE, CALIFORNIA
APPROVED BY: *J.F. Davidson* DATE: 6/24/99
R.E. No. 17550

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: *[Signature]*
DATE: 5/20/99
DATE: 5/17/99

* AS BUILT 10/23/31 BRET		I. J. Davidson, R.K.E.	
SEWER PLAN & PROFILE		ACCOUNT NO.	
TRACT 14072 APOLLO WAY		S-1220	
HORIZ. SCALE: 1" = 40'		VERT. SCALE: 1" = 4'	
SHEET 3 OF 3		FILE# 5619	