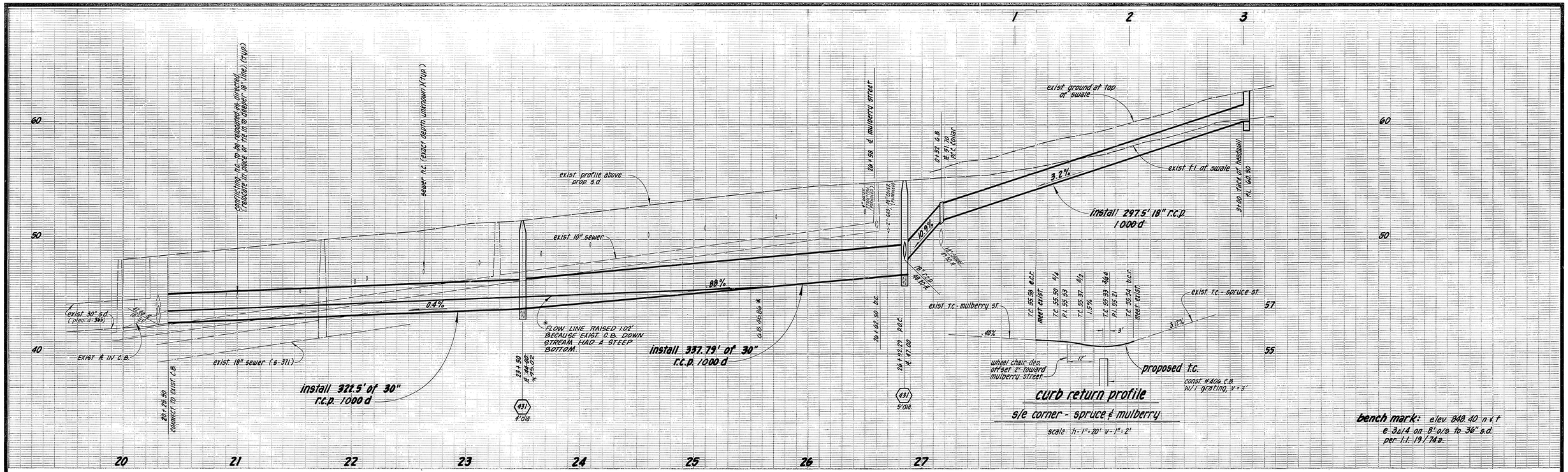


construction notes

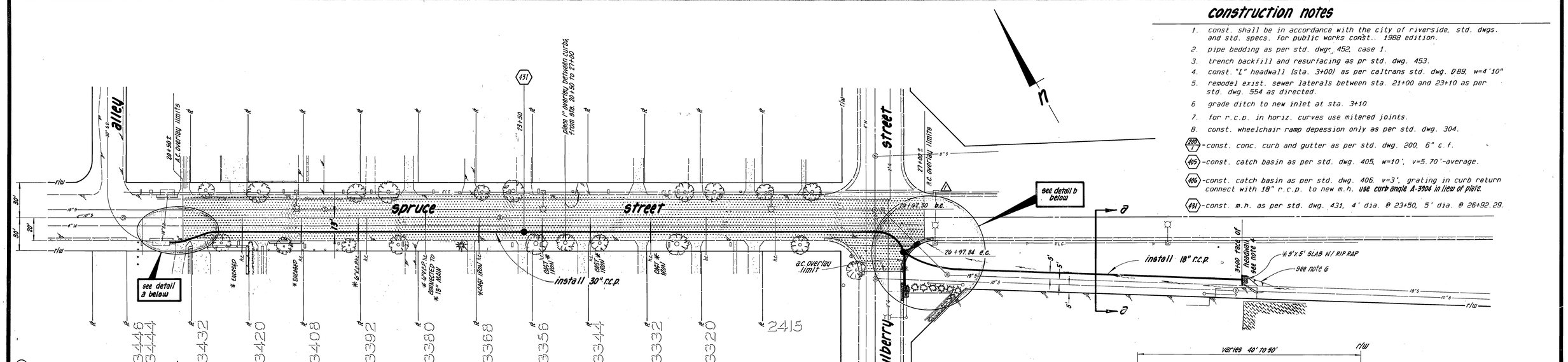
1. const. shall be in accordance with the city of riverside, std. dwgs. and std. specs. for public works const., 1988 edition.
2. pipe bedding as per std. dwg. 452, case 1.
3. trench backfill and resurfacing as pr std. dwg. 453.
4. const. "L" headwall (sta. 3+00) as per caltrans std. dwg. D89, w=4'10"
5. remodel exist. sewer laterals between sta. 21+00 and 23+10 as per std. dwg. 554 as directed.
6. grade ditch to new inlet at sta. 3+10
7. for r.c.p. in horiz. curves use mitered joints.
8. const. wheelchair ramp depession only as per std. dwg. 304.

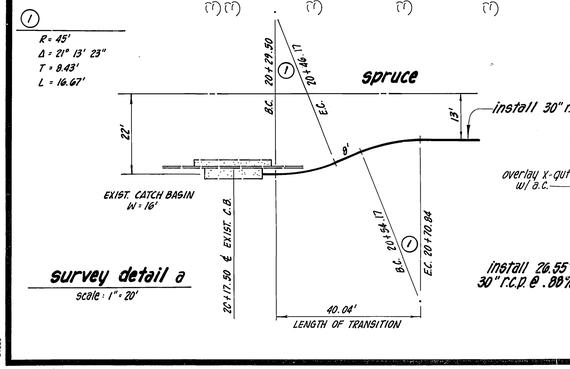
200/1 -const. conc. curb and gutter as per std. dwg. 200, 6" c.f.

405 -const. catch basin as per std. dwg. 405, w=10', v=5.70'-average.

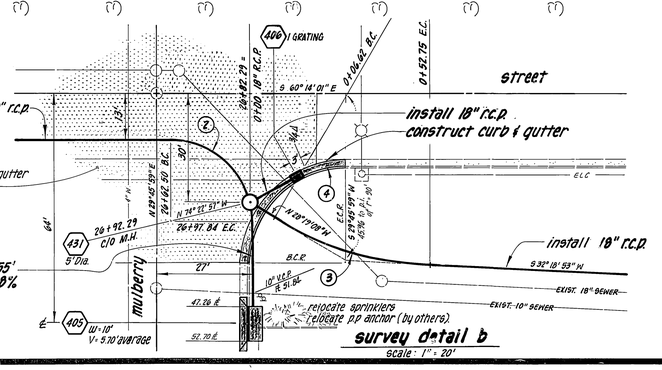
406 -const. catch basin as per std. dwg. 406, v=3', grating in curb return connect with 18" r.c.p. to new m.h. use curb angle A-3904 in lieu of plate.

431 -const. m.h. as per std. dwg. 431, 4' dia. @ 23+50, 5' dia. @ 26+92.29.





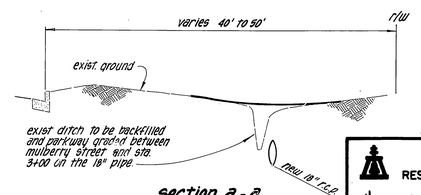
survey detail a
scale: 1" = 20'



survey detail b
scale: 1" = 20'

CURVE DATA				
#	R	Δ	L	T
2	22.50'	90° 00' 00"	35.35'	
3	90'	29° 21' 59"	46.13'	23.58'
CURB RETURN				
4	27'	89° 56' 38"	42.39'	26.97'

E.C. is at 27' east of ℄ mulberry st.



section a - a
(typical)
no scale

*as built 3-25-91 brian

ENGINEER IN RESPONSIBLE CHARGE
HANS J. KAMRATH
R.C.E. 14712 expires 3/31/89
DATE 9/29/1988

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

MARK	REVISIONS	APPR.	DATE
1	ADDED ELECTROLIER CONDUIT		11/18/88

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

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	9-30-88	[signature]
PARK DEPARTMENT		
TRAFFIC DIVISION	9.30	[signature]
INSPECTION	9/28/88	[signature]
SURVEY	9/15/88	[signature]

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 9/30/88

spruce street
storm drain extension

600' nw'ly of mulberry st. to 325' se'ly of mulberry street

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

ACCOUNT NO. 09 · 573 · 432

D-544

SHEET one OF one

INDEXED 10-14-88 4H

OZALID-NO.1