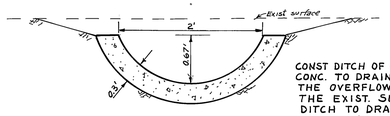
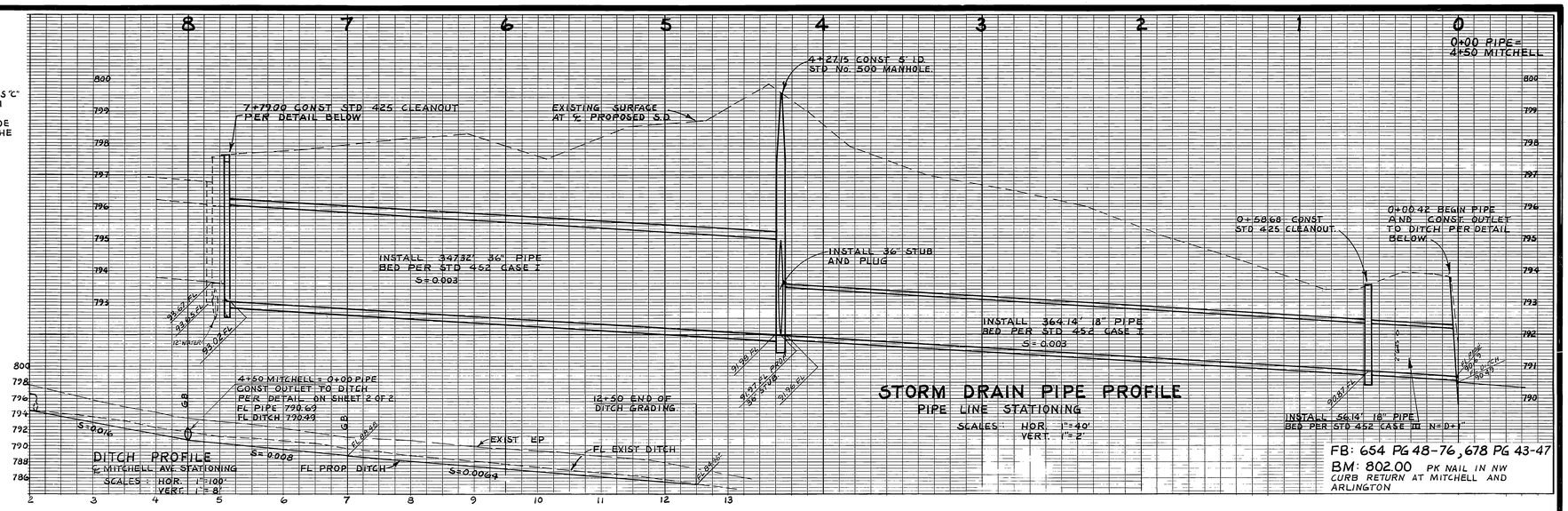


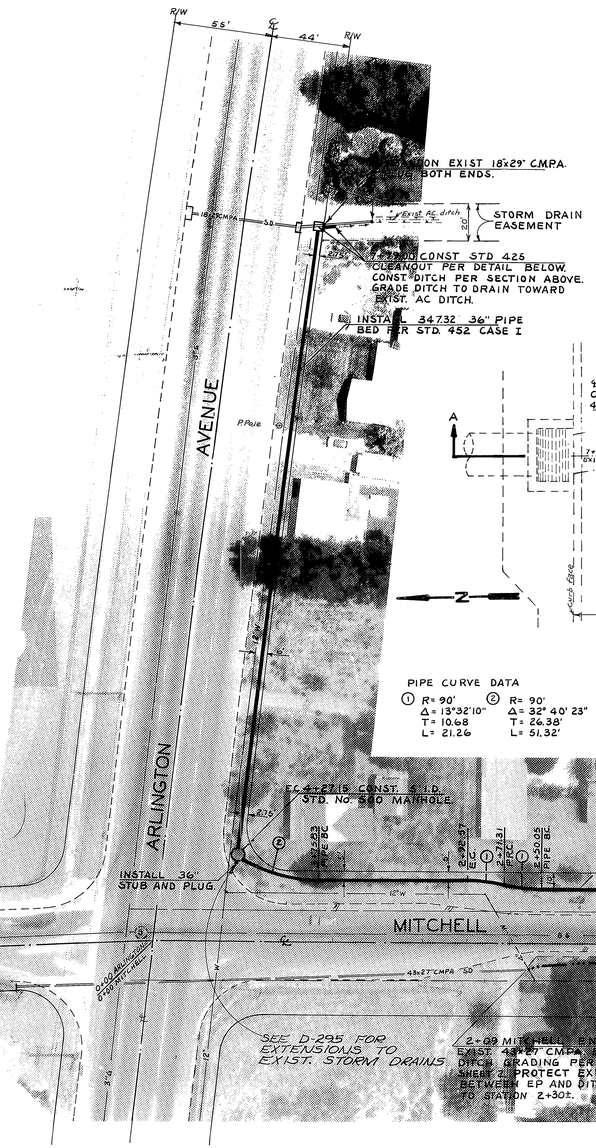
CONST DITCH OF 0.3' THICK CLASS "C" CONC. TO DRAIN AT 4% FROM THE OVERFLOW WINDOW TO THE EXIST. SURFACE. GRADE DITCH TO DRAIN TOWARD THE EXIST. AC DITCH.

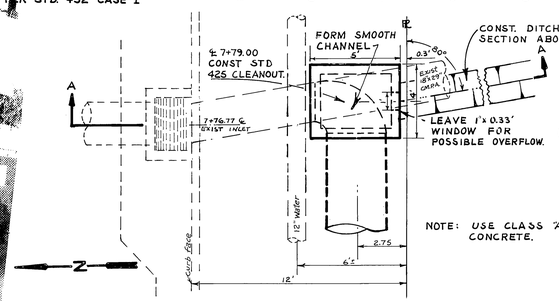
DITCH SECTION

STATION 7+79.00

SCALE 1" = 1'

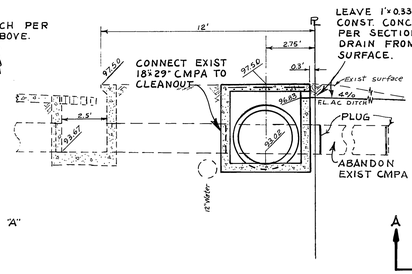






PLAN VIEW

NOTE: USE CLASS "A" CONCRETE.



SECTION A–A

CLEANOUT BOX

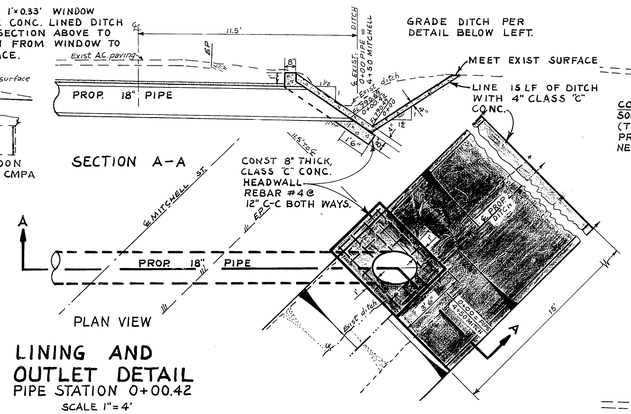
STATION 7+79.00

SCALE: 1" = 4'

PIPE CURVE DATA

① R= 90' Δ= 13°32'10" T= 10.68 L= 21.26

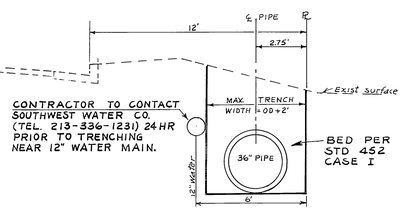
② R= 90' Δ= 32° 40' 23" T= 26.38' L= 51.32'



LINING AND OUTLET DETAIL

PIPE STATION 0+00.42

SCALE 1" = 4'

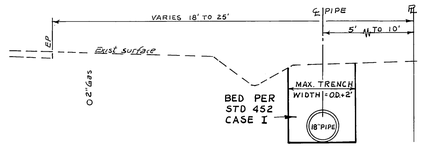


CONTRACTOR TO CONTACT SOUTHWEST WATER CO. (TEL. 213-336-1231) 24 HR PRIOR TO TRENCHING NEAR 12" WATER MAIN.

ARLINGTON AVENUE

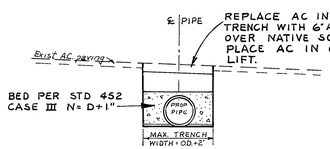
PIPE STA. 4+28 TO 7+76

NOTE: COMPACT TOP 3' OF BACKFILL IN PIPE TRENCHES TO 90% RELATIVE COMPACTION. COMPACT REST OF TRENCH BACKFILL TO 85%.



MITCHELL AVENUE

PIPE STA. 0+60 TO 4+25



TYPICAL STREET CROSSING

MITCHELL AVE
CYPRESS AVE
CAMPBELL AVE

TYPICAL PIPE SECTIONS

SCALE: 1" = 4'

SEE D-295 FOR MODIFICATION OF STORM DRAINS

MARK	REVISIONS	APPR.	DATE
	AS BUILT 11/14/68		

DESIGNED BY BE DRAWN BY BE CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
SENIOR ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
ASSISTANT CITY ENGINEER		1-25-68

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 1-26-68

ARLINGTON AVENUE AND MITCHELL AVENUE STORM DRAIN

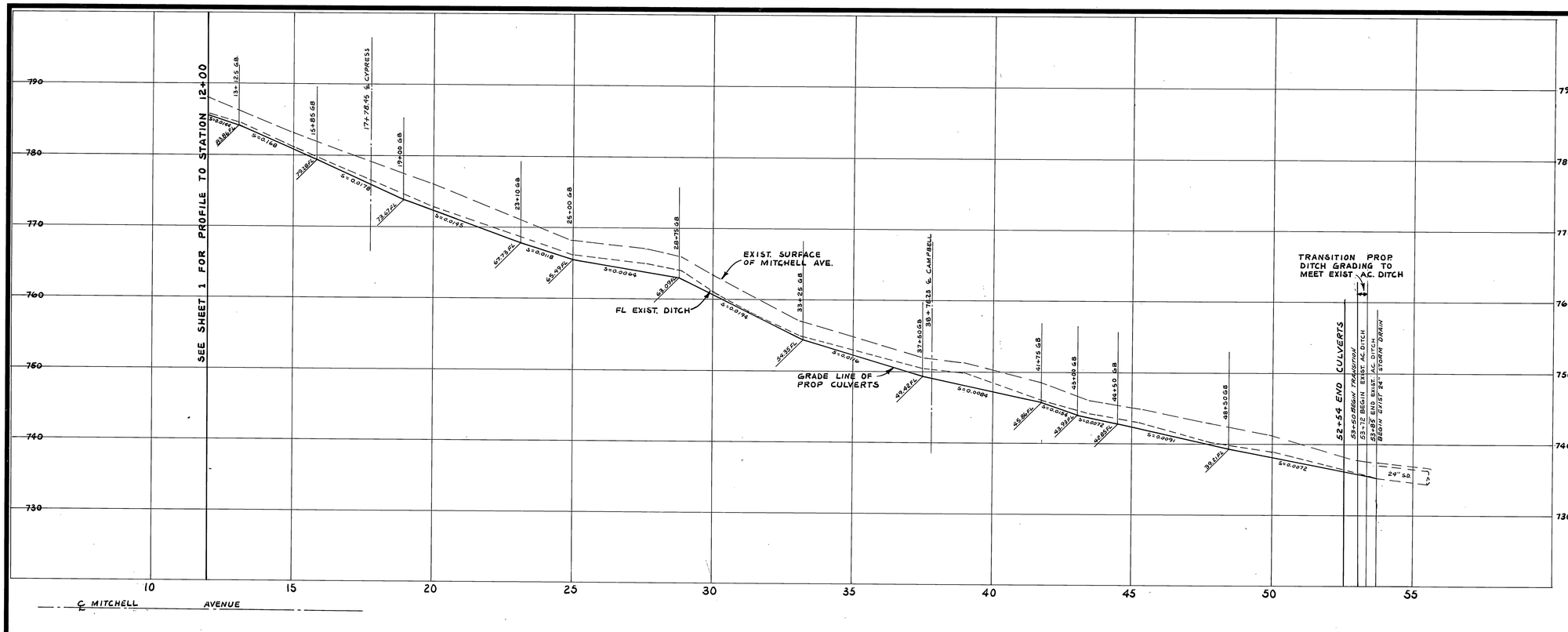
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 2'

ACCOUNT NO. 4032

D-154

SHEET 1 OF 2

S.S. PROJECT NO.



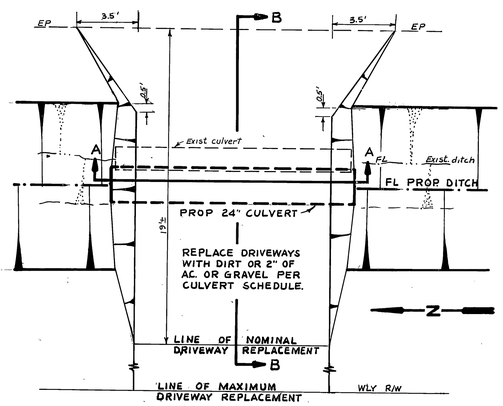
CULVERT SCHEDULE

Start*	End*	Length**	Surface
3+16.75	3+38.25	22.5'	Dirt
3+59.75	3+82.25	22.5'	Asphalt
4+72.30	4+84.80	12.5'	Dirt
5+27.70	5+45.20	17.5'	Gravel
5+72.20	5+92.20	20'	Gravel
6+65.50	6+85.50	20'	Asphalt
7+59.20	7+81.70	22.5'	Dirt
9+13.40	9+43.40	20'	Dirt
10+05.40	10+25.40	20'	Dirt
10+95.10	11+15.10	20' ± 15'*	Dirt
11+67.40	11+87.40	20'	Dirt
13+13.40	13+58.40	45'	Dirt
14+78.50	15+08.50	30'	Dirt
15+60.50	15+85.50	25'	Dirt
16+28.40	16+68.40	40'	Dirt
17+65.60	18+10.60	45'	***
18+49.00	18+94.00	45'	Dirt
19+37.10	19+54.60	17.5'	Dirt
20+32.80	20+52.80	20'	Dirt
21+33.20	21+58.20	25.0'	Dirt
21+87.40	22+07.40	20.0'	Dirt
22+85.40	23+07.90	22.5'	Gravel
24+07.60	24+27.60	20.0'	Dirt
24+88.40	25+03.40	15.0'	Asphalt
26+64.70	27+02.20	37.5'	Dirt
27+38.90	27+58.90	20.0'	Dirt
28+14.70	28+29.70	15.0'	Dirt
28+48.00	28+65.60	22.5'	~~Dirt~~ Gravel *
29+17.00	29+39.50	22.5'	~~Dirt~~ Gravel
29+65.20	29+90.20	25'	Gravel
31+45.70	31+63.20	17.5'	Dirt
31+85.00	32+02.50	17.5'	Gravel
33+11.70	33+29.20	17.5'	Dirt
33+31.00	33+78.50	47.50'	Dirt
34+21.00	34+46.00	25'	Gravel
36+37.60	36+62.60	25'	Gravel
37+01.10	37+43.60	42.5'	Gravel
37+65.50	38+03.00	37.5	Dirt
38+30.50	38+53.00	22.5'	Dirt
38+66.50	39+06.50	40'	***
41+33.10	41+60.60	22.5'	Asphalt
43+07.00	43+24.50	17.5'	Dirt
43+36.60	43+53.10	17.5'	Dirt
44+26.60	44+54.10	27.5'	Dirt
45+15.60	45+40.60	25'	Dirt
45+66.50	45+86.70	20'	Dirt
46+81.20	47+03.70	22.5'	Dirt
48+10.70	48+38.20	27.5'	Dirt
51+04.00	41+24.00	20'	Dirt
52+34.00	52+54.00	20'	Dirt

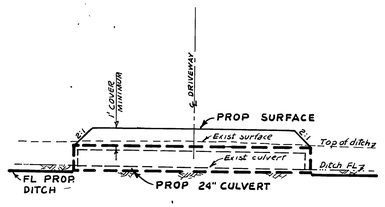
* Adjustment of the location of the culverts with corresponding grade elevation adjustments may be made by the Engineer in the field.

** Lengths indicated are minimum culvert lengths. Longer lengths may be installed at the Contractor's option, but the extra length shall be at no cost to the City.

*** Street crossing. Bed per Standard Drawing No. 452, Case III (N=OD+1"). Replace paving with 6 inches of asphalt over compacted native soil. Pipe of 4000-D strength with Case I bedding may be substituted for the above pipe and bedding at the Contractor's option.

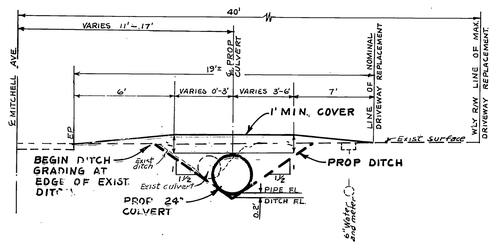


PLAN VIEW



SECTION A-A

FILL DRIVEWAY AS DIRECTED. COMPACT FILL TO 85% RELATIVE COMPACTION. TOP 6" TO BE 90% RELATIVE COMPACTION FOR A.C. DRIVEWAYS. SURFACE TYPE SHOWN ON CULVERT SCHEDULE.

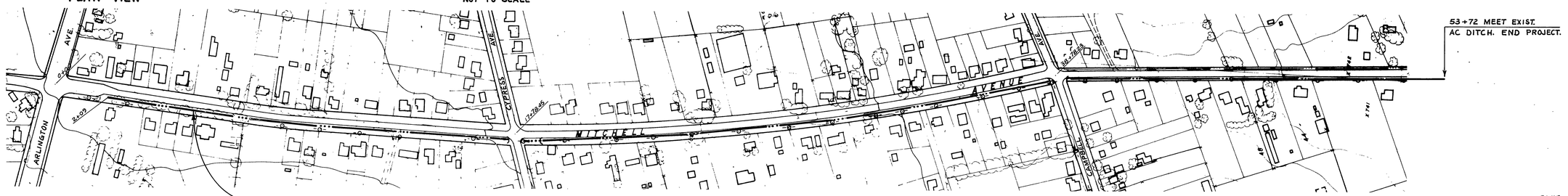


SECTION B-B

TYPICAL DRIVEWAY CULVERT

MITCHELL STATION 2+09 TO 52+54

NOT TO SCALE



SEE D-295 FOR MODIFICATIONS TO STORM DRAINS

MARK	REVISIONS	APPR.	DATE
*	AS BUILT BE 4/14/68		

DESIGNED BY BE DRAWN BY BE CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 1-26-68

ARLINGTON AVENUE AND MITCHELL AVENUE STORM DRAIN

HORIZ. SCALE: 1" = 200' VERT. SCALE: 1" = 8'

PROJECT NO. 4032

D-154

SHEET 2 OF 2

FILE NO.