RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883 — CALIFORNIA

PUBLIC WORKS DEPARTMENT

LIME STREET WIDENING

THIRTEENTH STREET TO THIRD STREET

LENGTH OF PROJECT = 3960 Feet = 0.75 Mile

CONSTRUCTION LEGEND

CENTER LINE
RIGHT-OF-WAY LINE — R/W
SUBDIVISION LOT LINE
TELEPHONE TO BE INSTALLED DURING STREET CONST. — PROP. T
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW
INDICATES EXACT DEPTH UNKNOWN. SEE GEN. CONST. NOTE NO. 8.

SPECIAL CONSTRUCTION NOTES

SECTION LEGEND / SHADING LEGEND

1. CONST. CURB AND GUTTER PER STD. DWG. 200. CURB FACE AS NOTED ON PROFILES.
2. CONST. SIDEWALK PER STD. DWGS. 325-A OR 350-A. REPLACE PRIVATE PCC WALKWAYS WHERE SHOWN ON PLAN. (0.3' THICK PCC.)
3. CONST. DRIVEWAY APPROACH PER STD. DWG. 302. A=10' AND B=17' EXCEPT AS NOTED ON THE PLAN. FINAL LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER. PRIOR TO CONSTRUCTION OF APPROACH, GRADE SHEETS ARE TO BE ISSUED WHERE ELEVS. ARE SHOWN, ON THE PLAN, AT THE BACK OF THE DRIVEWAY.
4. REPLACE OR REGRADE DRIVEWAY TO GRADES AS DIRECTED BY THE ENGINEER. MATERIAL AS SHOWN ON THE PLAN. (EXIST. AC / PCC)
6. CONST. STRUCTURAL SECTION PER SCHEDULE SHOWN AT RIGHT. NO PRIME COAT REQUIRED. AREAS SHOWN: (6A), AC TO BE 0.55' THICK. TRENCH RESURFACING ON 6TH ST. TO BE (6A)
7. OVERLAY EXIST. PAVEMENT WITH VARIABLE THICKNESS OF ASPHALT CONCRETE.
8. PLACE 0.20' OF ASPHALT CONCRETE OVER NATIVE SOIL (90% RELATIVE COMPACTION.)
10. ADJUST MANHOLE TO GRADE.
11. CONSTRUCT TREE WELL PER STD. DWG. 327.
12. CONST. PCC. CURB WALL PER DETAIL ON SHEET 2.
13. CONST. PCC STEPS PER DETAIL ON SHEET 2.
14. CONST. CROSS GUTTER PER STD. DWG. 220.
15. CONSTRUCT CONCRETE BLOCK RETAINING WALL PER STD. DRAWING 708 AND DETAIL ON PLAN SHEET 3.

ENTIRE TREE TO BE REMOVED. CLASS I - 6" TO 18" DIA. CLASS II OVER 18" TO 36" DIA. CLASS III OVER 36" DIA.

INSTALL PARKING METER POSTS PER DETAIL ON PLAN SHEET 2.

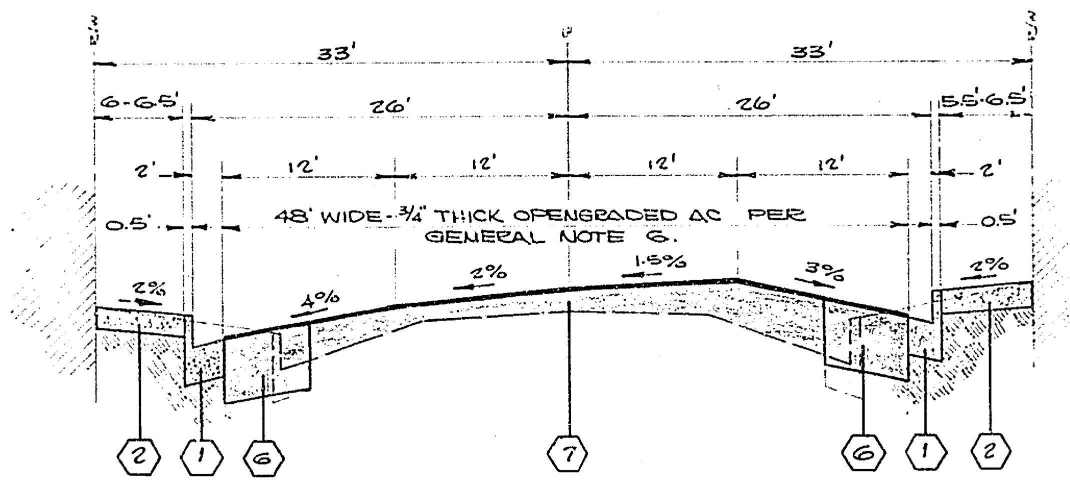
LEAVE 8" DIAM. HOLE IN PROPOSED SIDEWALK FOR STREET SIGNS. CENTER OF HOLE TO BE 2' FROM CURB FACE AT STATIONS SHOWN ON PLAN. (STA.)

GENERAL CONSTRUCTION NOTES

1. WHERE NEW CONSTRUCTION IS INDICATED:
   (a) CLEAR AND GRUB.
   (b) REMOVE ALL CURB, GUTTER, SIDEWALK, PCC, AND ABANDONED STREET LIGHT BASES. AND CONDUIT.
   (c) SCARIFY OR REMOVE ALL AC PAVEMENT EXCEPT WHERE OVERLAY OF EXIST. PAVEMENT IS SHOWN ON PLAN.
2. CURB, GUTTER AND SIDEWALK REMOVAL SHALL BE TO THE NEAREST CONSTRUCTION JOINT AT OR BEYOND LIMITS SHOWN ON PLAN.
3. TRANSITION NEW CONSTRUCTION TO MEET EXIST. FACILITIES AS DIRECTED BY THE INSPECTOR EXCEPT WHERE SHOWN OTHERWISE ON PLAN.
4. SIDE STREETS ARE ASSUMED TO INTERSECT THE CONST. ℄ AT RIGHT ANGLES FOR CURB RETURN CALCULATIONS EXCEPT WHERE OTHERWISE SHOWN.
5. DRAIN PIPES SHALL BE INSTALLED PER STD. 452 AND TYPICAL TRENCH SECTION ON SHEET 2. (BEDDING CASE AS SHOWN ON PLAN)
6. PLACE 3/4" OF OPEN GRADED AC AS SHOWN ON TYPICAL SECTIONS AND AS DIRECTED BY THE ENGINEER.
7. STORM DRAIN PIPE ALTERNATES ARE LISTED IN PIPE ALTERNATES SCHEDULE ON THIS SHEET.
8. EXIST. UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. LOCATIONS AND DEPTHS ARE APPROXIMATE. THE CONTRACTOR IS REQUIRED TO PROTECT UTILITIES IN THE WORK AREA WHETHER OR NOT SHOWN ON PLAN.
9. SEWER LATERALS, WITHIN 10" OF THE PROPOSED STRUCTURAL SECTION, SHALL BE LOWERED AND/OR ENCASED PER ALTERNATES AND NOTES SHOWN AT RIGHT ON THIS SHEET.
10. ALL TRAFFIC SIGNS IN AREA OF CONSTRUCTION SHALL BE SALVAGED BY THE CONTRACTOR AND TURNED OVER TO THE CITY OF RIVERSIDE TRAFFIC ENGINEERING DEPT. STREET NAME SIGNS SHALL BE RELOCATED BY THE CONTRACTOR WHERE DESIGNATED ON THE PLAN BY: ● AND SHALL BE SET PER STD. 666. IN AREAS OF NEW CONCRETE THEY SHALL BE PLACED IN 8" DIAMETER HOLE LEFT PER: STA. ABOVE.
11. THESE PLANS ARE FOR STREET CONSTRUCTION ONLY. STREET LIGHTS AND TRAFFIC SIGNALS SHALL BE CONSTRUCTED FROM THE ATTACHED SUBJECT PLANS.

REFERENCE PLANS

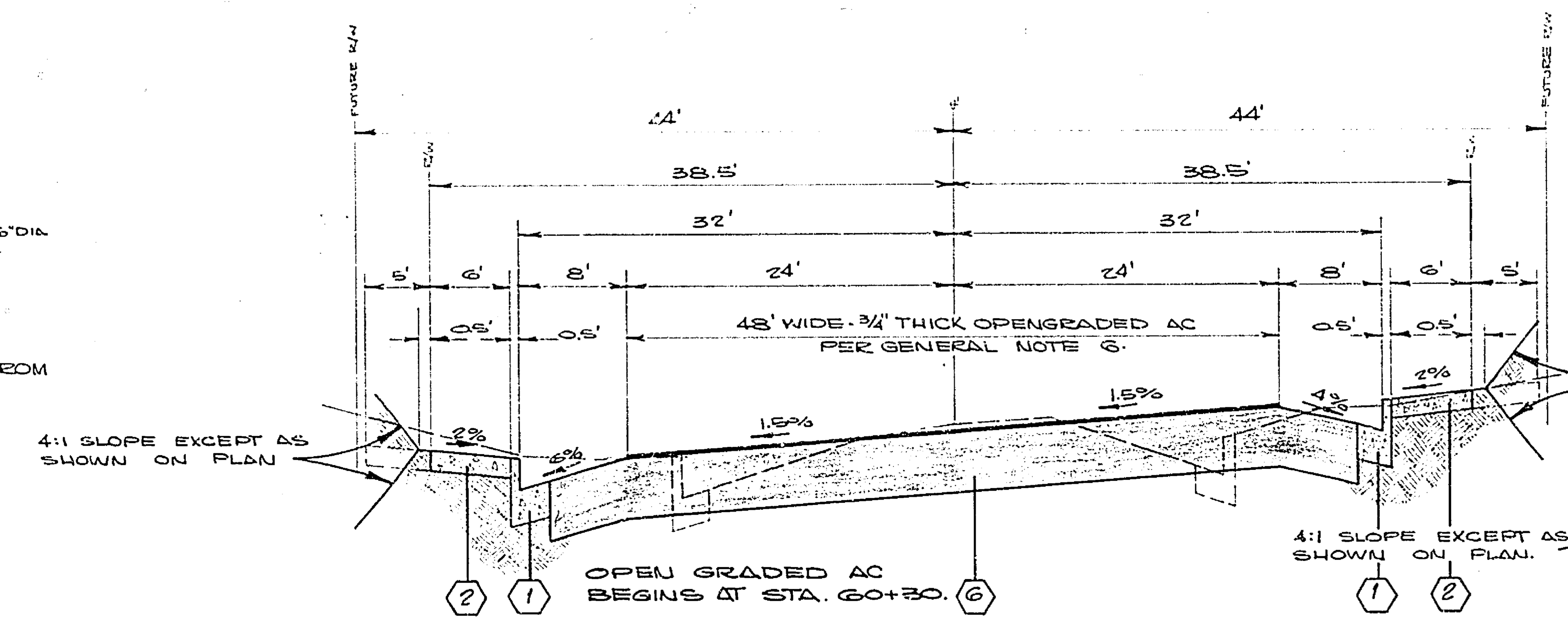
SEE GENERAL NOTE NO. 11.
STREET LIGHT - L-5-4732
TRAFFIC SIGNAL - X-140, X-141, X-500-SHEETG



STA. 81+15 RT. & 83+69.48 LT. TO 87+98.94

WHERE OPEN GRADED MEETS EDGE OF GUTTER, KEEP AC PAVING 3/4" BELOW GUTTER LIP TO AVOID A HIGH EDGE OF OPEN GRADED AC.

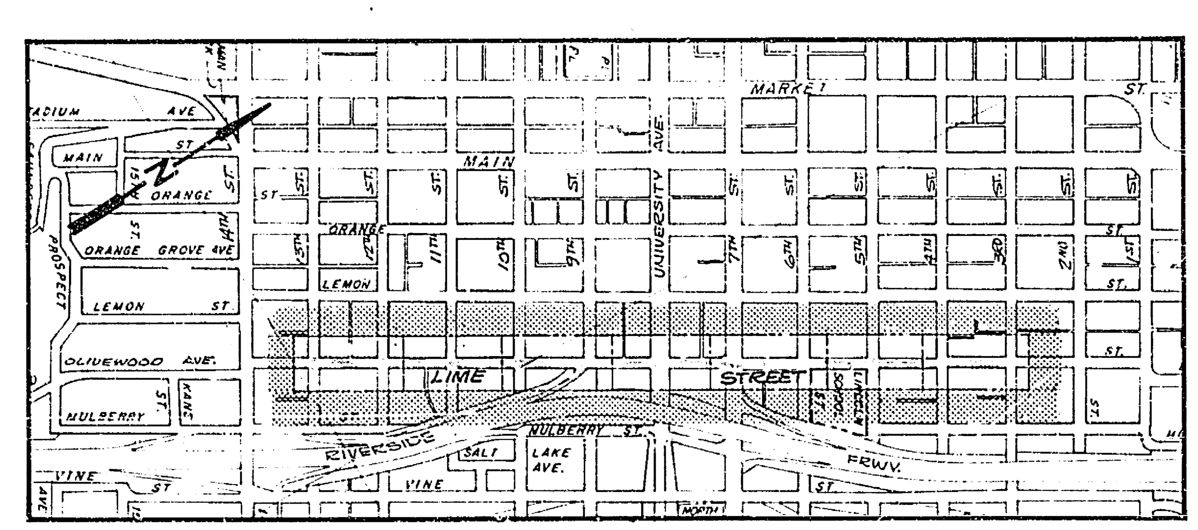
SLOPES SHOWN ARE TYPICAL. GRADE SHEETS FOR FINAL ELEVATIONS ARE TO BE ISSUED AT TIME OF CONSTRUCTION.



STA. 63+75 TO 80+85 RT. & TO 83+69.48 LT. AND 87+98.94 TO 103+37.87

TYPICAL SECTIONS

NO SCALE



PROJECT LOCATION MAP

SCALE 1" = 800'

EXISTING CULTURE & UNDERGROUND LEGEND

EXISTING UNDERGROUND UTILITIES

SANITARY SEWER — 8"VCP-S
WATER LINE — 6"CI-W
STORM DRAIN — 24"RCP-SD
CULVERT — 15"CONC-C
IRRIGATION LINE — 20"-IRR
GAS LINE — 3"M-G
TELEPHONE CONDUIT — T
ELECTRICAL CONDUIT — E
STREET LIGHTING — SL
TRAFFIC SIGNAL — SIG
FIRE ALARM — F

EXISTING TOPOGRAPHY

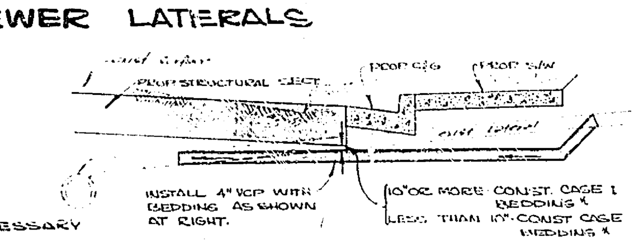
BLOCK WALL
BOARD FENCE
WIRE FENCE
CHAIN LINK FENCE
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW

SANITARY SEWER MH
SANITARY SEWER CLEANOUT
STORM DRAIN MH
IRRIGATION WEIR
WATER MH
GAS MH
ELECTRIC MH
TELEPHONE MH OR VAULT
POWER POLE
GUY POLE
POLE & GUY ANCHOR
PULL BOX
TRAFFIC SIGN
PARKING METER
FIRE ALARM BOX
STREET NAME SIGN
RAILROAD TRACKS
RAILROAD SIGN
RAILROAD SIGNAL
STREET LIGHT (UPRIGHT)
STREET LIGHT
TRAFFIC SIGNAL
TRAFFIC SIGNAL ON MAST ARM
TRAFFIC CONTROL BOX
TRAFFIC SIGNAL DETECTOR
PEDESTRIAN CONTROL FOR TRAFFIC SIGNAL
PULL BOX - SIG. OR SL
WATER METER
FIRE HYDRANT
SPRINKLER HEAD
VALVE
GAS METER
MAIL BOX
HYDRANT OR FAUCET
FIRE HYDRANT RELOCATED BY OTHERS PRIOR TO STREET CONST.
CONCRETE
ASPHALT
EDGE OF PAVEMENT
BUILDING
UNDERGROUND OR OVERHANGING STRUCTURE
TREE SHOWING DIAMETER IN INCHES
PALM SHOWING DIAMETER IN INCHES
SHRUBBERY
TREE STUMP DIAMETER IN INCHES

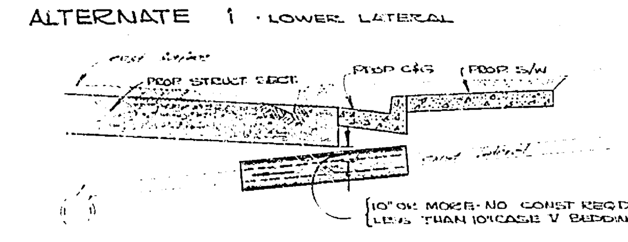
CONFLICTING SEWER LATERALS

NOTES:

1. EXACT LIMITS OF LOWERING AND/OR ENCASING SHALL BE DETERMINED BY THE INSPECTOR AT TIME OF CONSTRUCTION
2. THE CONTRACTOR SHALL EXPOSE EXIST. LATERALS AND OTHER UTILITIES AS NECESSARY FOR THE INSPECTOR TO DETERMINE THE LIMITS AND GRADE OF LOWERING AND/OR ENCASEMENT.



ALTERNATE 1 · LOWER LATERAL



ALTERNATE 2 · ENCASE EXIST. LATERAL

NO SCALE

PIPE ALTERNATE SCHEDULE

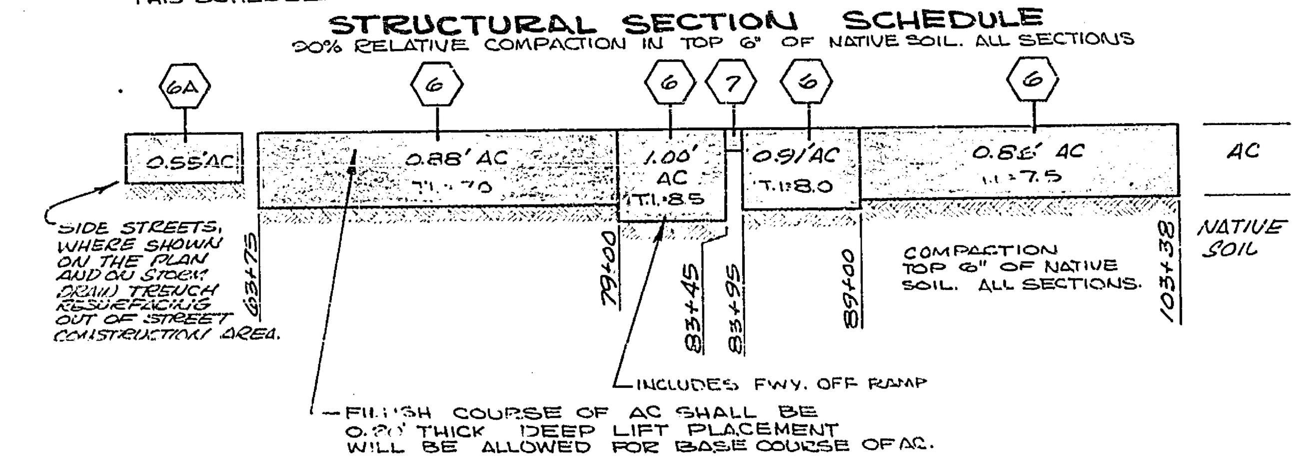
SIZE	TYPE	STRENGTH CLASS
24"	CP ACP	2000-D CLASS 3300
21"	CP ACP	2000-D CLASS 2400
15"	CP ACP	2000-D CLASS 1500
8" CASE I	CP ACP	EXTRA STRENGTH CLASS 1500
8" CASE III	CP ACP	EXTRA STRENGTH CLASS 2400

* USED ALL ACP

WHERE CP IS SPECIFIED ON THE PLAN ACP MAY BE SUBSTITUTED PER THIS SCHEDULE.

STRUCTURAL SECTION SCHEDULE

90% RELATIVE COMPACTION IN TOP 6" OF NATIVE SOIL. ALL SECTIONS



* AC BUILT 12-27-71 BDM

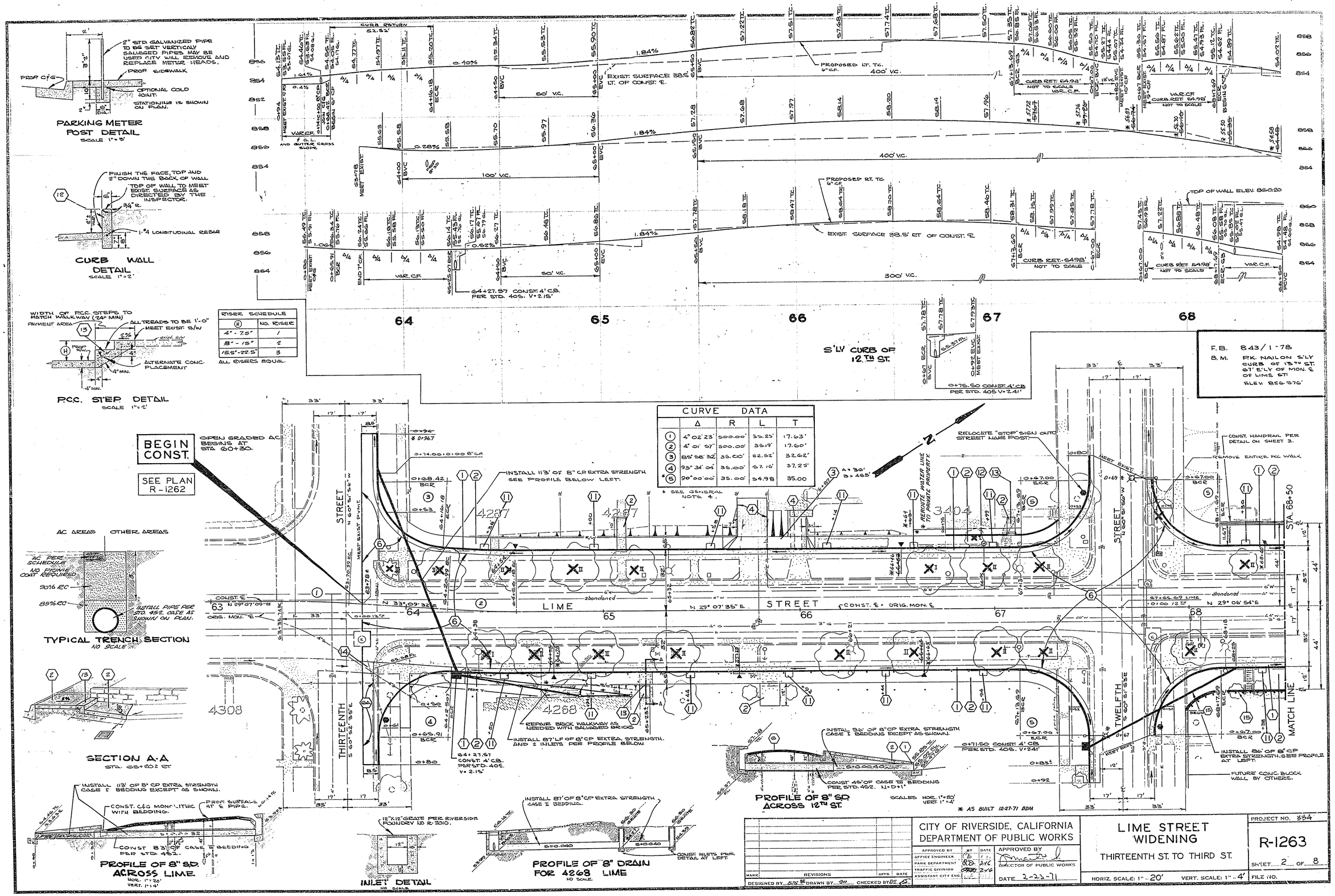
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	LIME STREET WIDENING THIRTEENTH ST. TO THIRD ST.	PROJECT NO. 334 R-1263 SHEET 1 OF 8

APPROVED BY	BY	DATE
OFFICE ENGINEER	[signature]	2-17
PARK DEPARTMENT	[signature]	2-16
TRAFFIC DIVISION	[signature]	2-16
ASSISTANT CITY ENG.	[signature]	2-19

APPROVED BY [signature] DIRECTOR OF PUBLIC WORKS
DATE 2-19-71

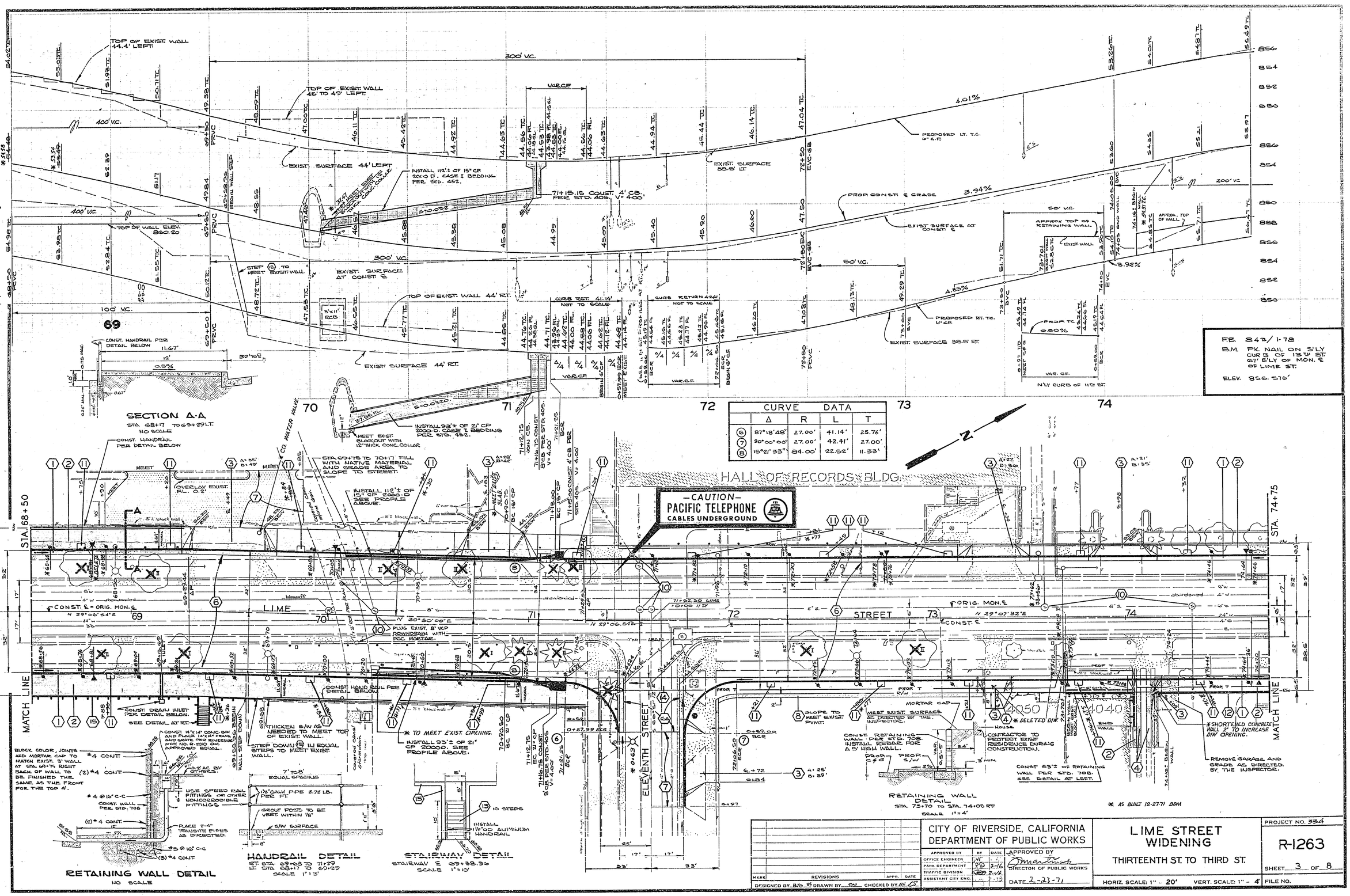
DESIGNED BY BE DRAWN BY ter CHECKED BY BVG

FILE NO.



CURVE	Δ	R	L	T
1	4° 02' 23"	500.00'	35.25'	17.63'
2	4° 01' 57"	500.00'	35.19'	17.60'
3	85° 58' 32"	35.00'	52.52'	32.62'
4	93° 34' 04"	35.00'	57.16'	37.25'
*5	90° 00' 00"	35.00'	54.98	35.00

* SEE GENERAL NOTE 4.



CURVE DATA				
	Δ	R	L	T
6	87°18'48"	27.00'	41.14'	25.76'
7	90°00'00"	27.00'	42.41'	27.00'
8	15°21'33"	84.00'	22.52'	11.33'

MARK	REVISIONS	APPR.	DATE

DESIGNED BY BJG BE DRAWN BY TW CHECKED BY BE ES

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

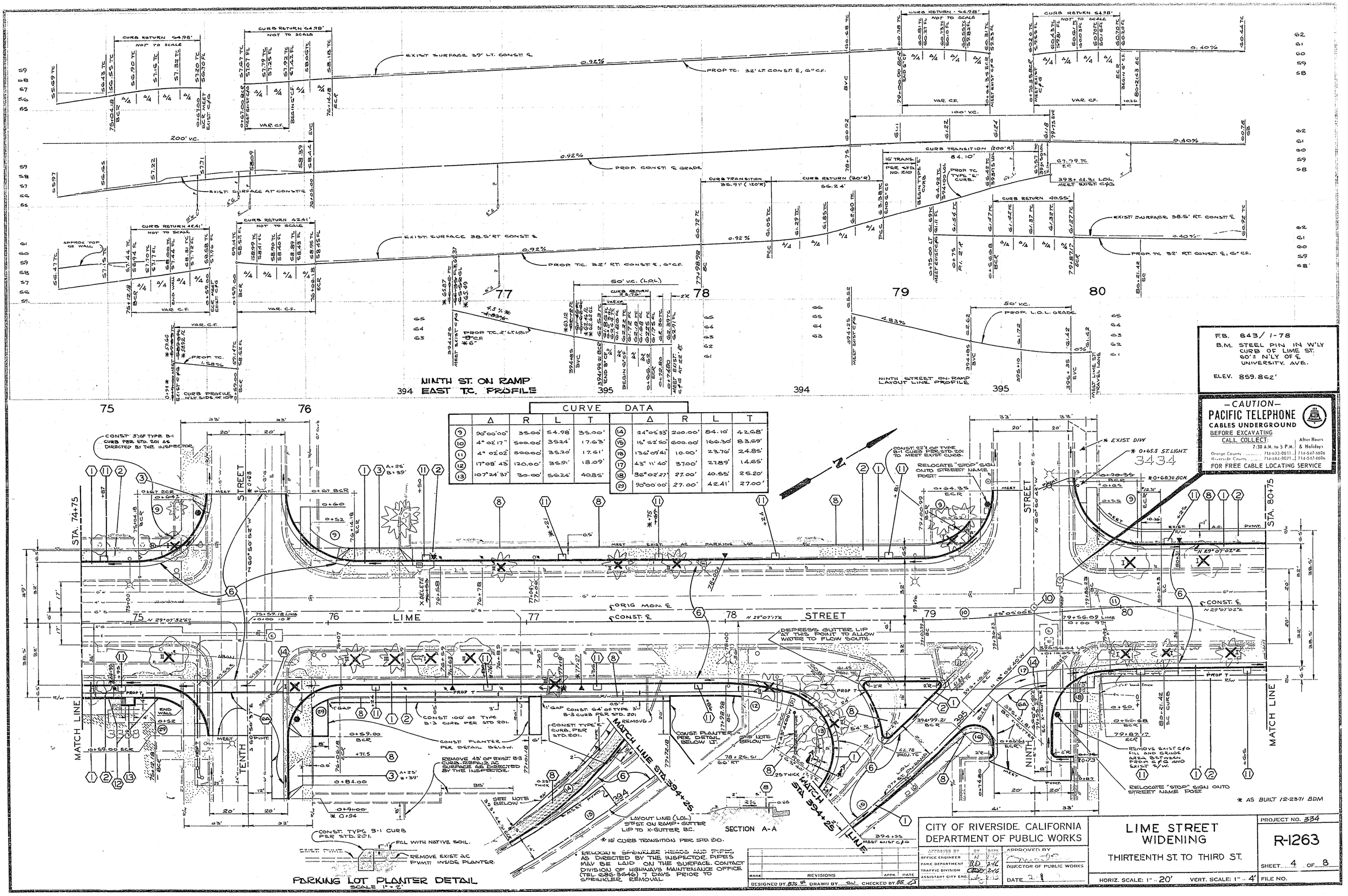
APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT	PD	2-16
TRAFFIC DIVISION		2-16
ASSISTANT CITY ENG.		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 2-23-71

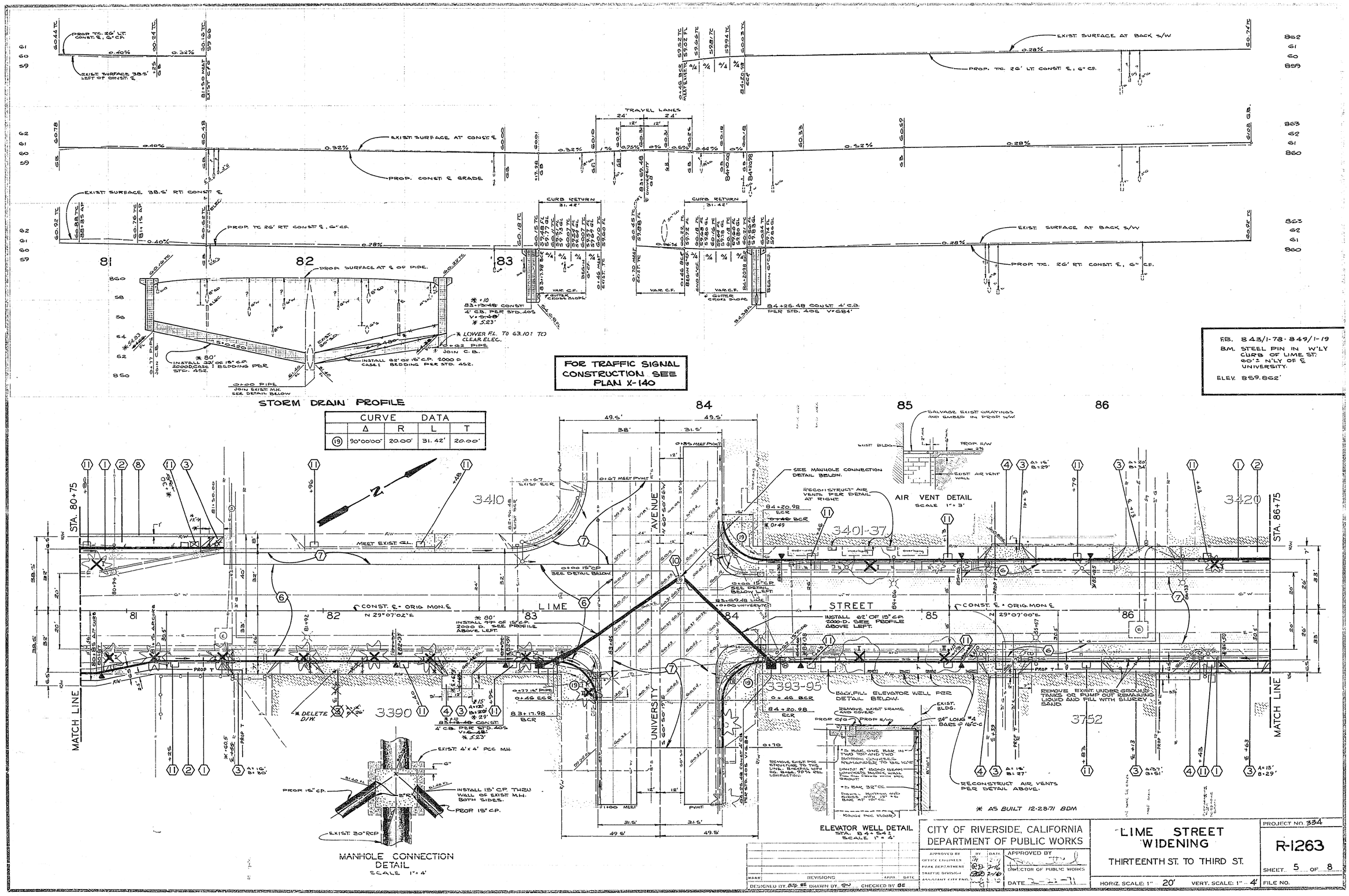
LIME STREET WIDENING
THIRTEENTH ST. TO THIRD ST.

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

PROJECT NO. 334
R-1263
SHEET 3 OF 8
FILE NO.



	Δ	R	L	T		Δ	R	L	T
9	90°00'00"	35.00'	54.98'	35.00'	14	24°05'33"	200.00'	84.16'	42.68'
10	4°02'17"	500.00'	35.24'	17.63'	15	16°52'50"	600.00'	166.30'	83.69'
11	4°02'02"	500.00'	35.20'	17.61'	16	136°09'41"	10.00'	23.76'	24.85'
12	17°08'43"	120.00'	35.91'	18.09'	17	43°11'40"	37.00'	27.89'	14.65'
13	107°24'37"	30.00'	56.24'	40.85'	18	36°02'27"	27.00'	40.55'	25.20'
					29	90°00'00"	27.00'	42.41'	27.00'



CURVE DATA				
	Δ	R	L	T
19	90°00'00"	20.00'	31.42'	20.00'

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

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

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 2-22-71

MARK | REVISIONS | APPR. | DATE

DESIGNED BY BTG BE DRAWN BY RW CHECKED BY BE

LIME STREET WIDENING

THIRTEENTH ST. TO THIRD ST.

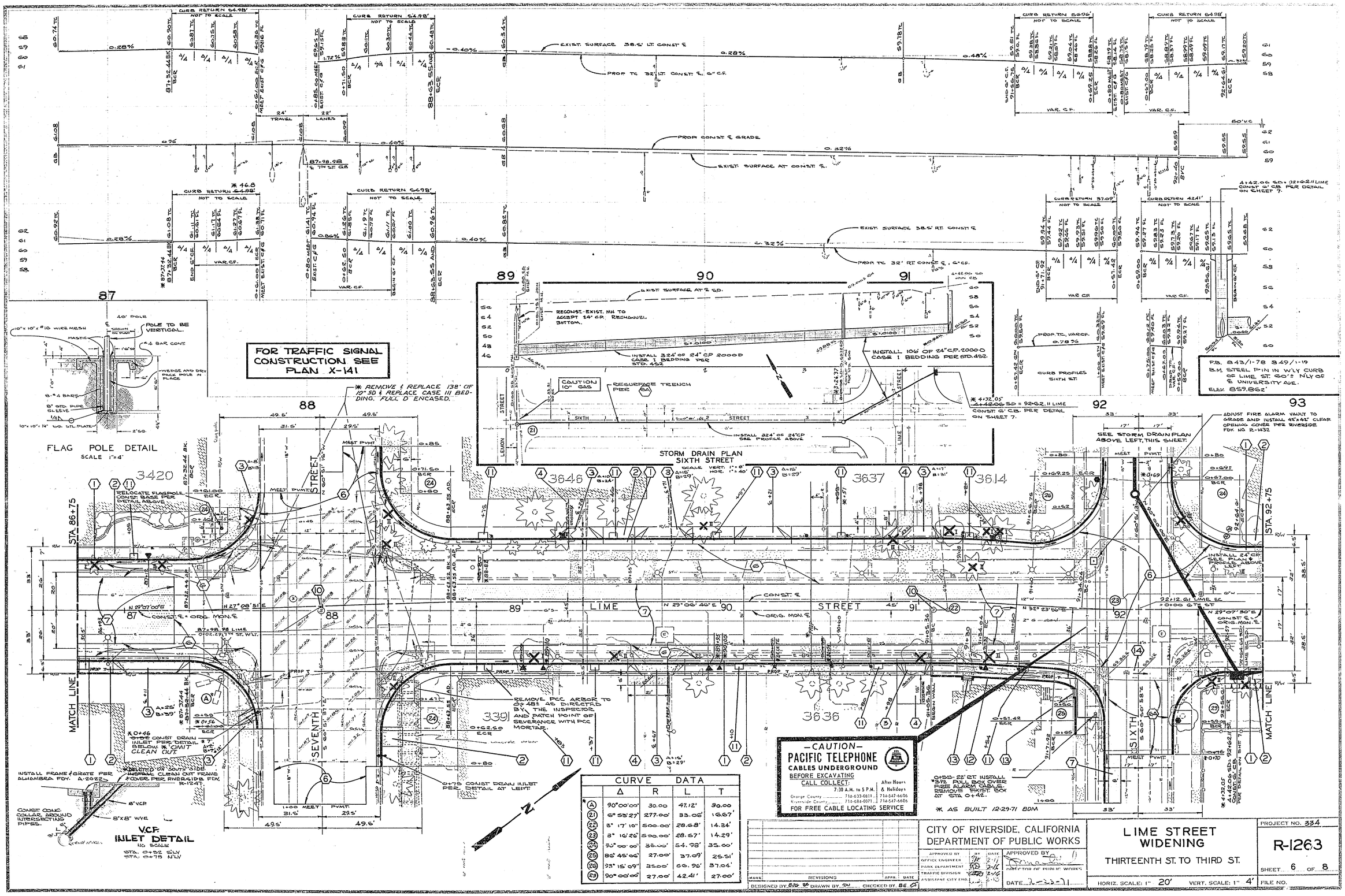
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

PROJECT NO. 334

R-1263

SHEET 5 OF 8

FILE NO.



CURVE DATA				
	Δ	R	L	T
* (A)	90°00'00"	30.00	47.12'	30.00
(21)	6° 55'27"	277.00'	33.06'	16.67'
(22)	3° 17' 10"	500.00'	28.68'	14.34'
(23)	3° 16'26"	500.00'	28.57'	14.29'
(24)	90° 00' 00"	35.00'	54.98'	35.00'
(25)	86° 45' 06"	27.00'	37.09'	25.51'
(26)	93° 15' 09"	35.00'	56.96'	37.04'
(29)	90° 00' 00"	27.00'	42.41'	27.00'

MARK	REVISIONS	APPR.	DATE

DESIGNED BY BJG BE DRAWN BY JW CHECKED BY BE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		2-11
PARK DEPARTMENT		2-16
TRAFFIC DIVISION		2-16
ASSISTANT CITY ENG.		2-13

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 2-23-71

LIME STREET WIDENING

THIRTEENTH ST. TO THIRD ST.

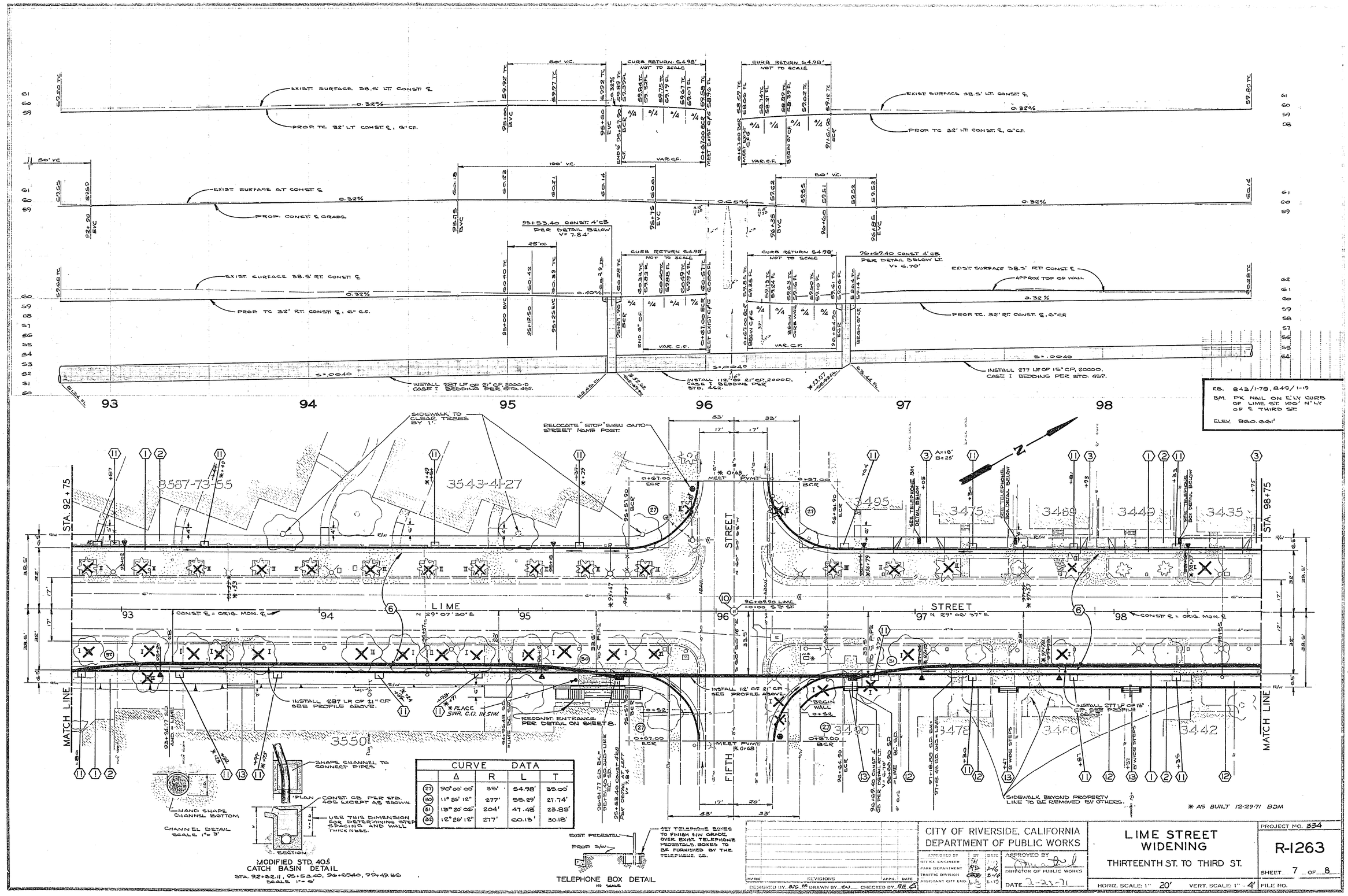
HORIZ. SCALE: 1" 20' VERT. SCALE: 1" 4'

PROJECT NO. 334

R-1263

SHEET 6 OF 8

FILE NO.



CURVE DATA				
	Δ	R	L	T
27	90° 00' 00"	35'	54.98'	35.00'
30	11° 26' 12"	277'	55.29'	27.74'
31	13° 20' 06"	204'	47.48'	23.85'
32	12° 26' 12"	277'	60.13'	30.18'

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: OFFICE ENGINEER, PARK DEPARTMENT, TRAFFIC DIVISION, ASSISTANT CITY ENG.
APPROVED BY: DIRECTOR OF PUBLIC WORKS
DATE 2-23-71

LIME STREET WIDENING

THIRTEENTH ST. TO THIRD ST.

PROJECT NO. 334

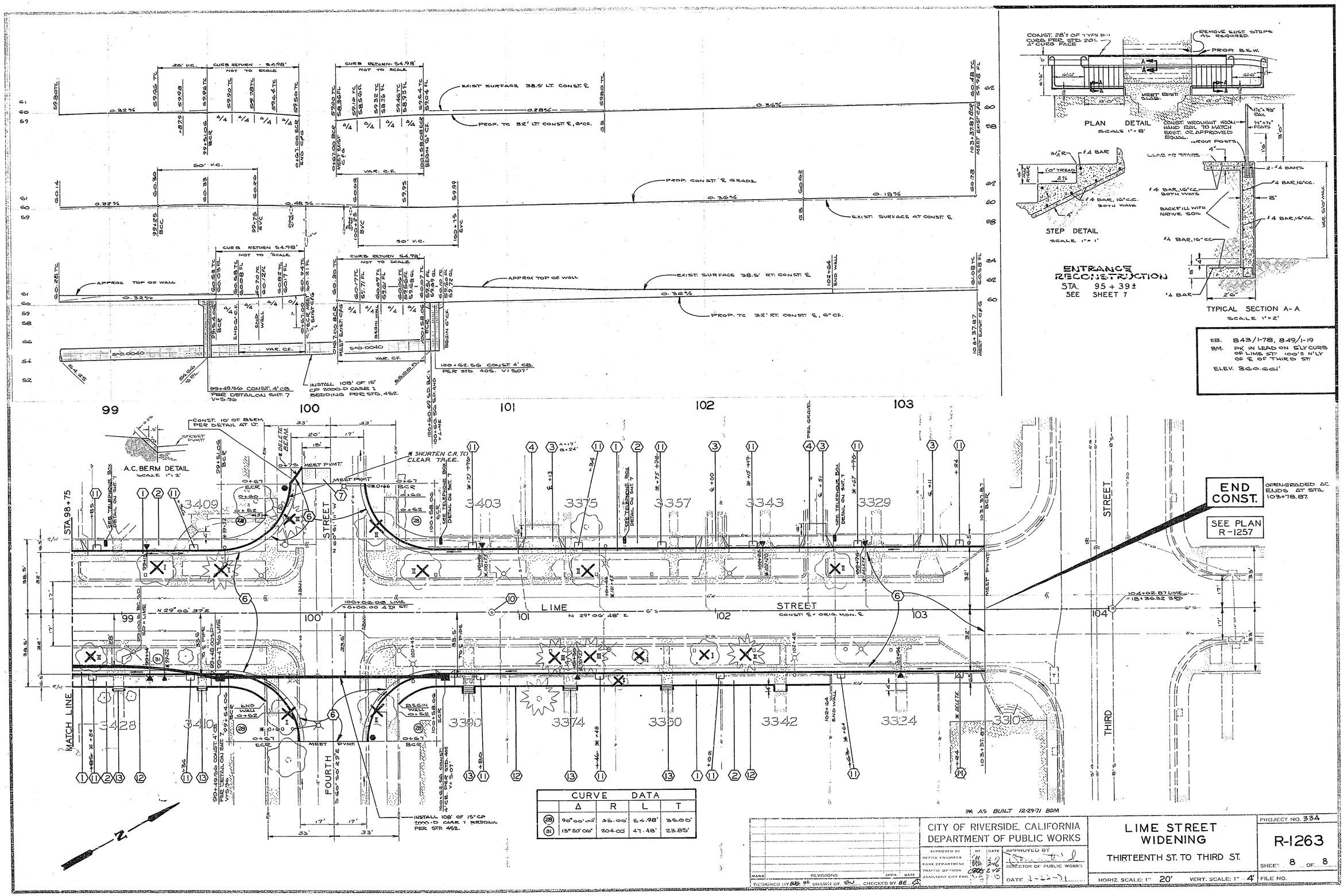
R-1263

SHEET 7 OF 8

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

FILE NO.

DESIGNED BY BJG DRAWN BY CHECKED BY BE



CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

LIME STREET WIDENING
THIRTEENTH ST. TO THIRD ST.

PROJECT NO. 334
R-1263
SHEET 8 OF 8
FILE NO.
HORIZ. SCALE: 1" 20' VERT. SCALE: 1" 4'
DESIGNED BY BE DRAWN BY TW CHECKED BY BE