RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

LIME STREET WIDENING

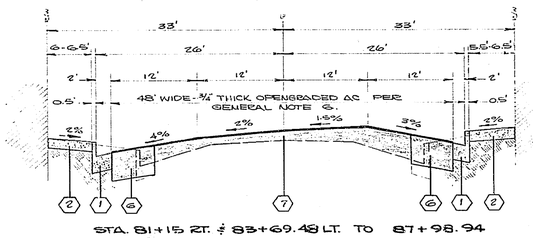
THIRTEENTH STREET TO THIRD STREET

LENGTH OF PROJECT = 3960 Feet = 0.75 Mile

REFERENCE PLANS
SEE GENERAL NOTE NO. 11.

STREET LIGHT - L-5-4732

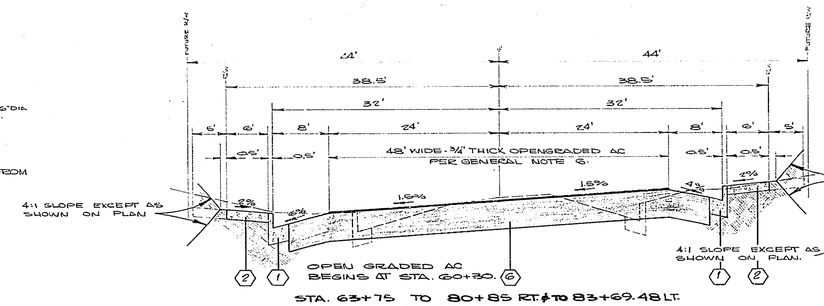
TRAFFIC SIGNAL- X-140, X-141, X-500 SHEETS



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

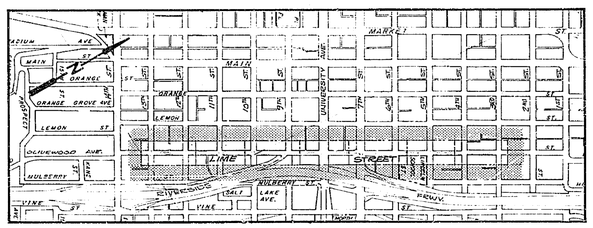
WHERE OPEN GRADED MEETS EDGE OF GUTTER, KEEP AC PAVING ¾" BELOW GUTTER LIP TO AVOID A HIGH EDGE OF OPEN GRADED AC.

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'

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. USE GEN. CONST. NOTE NO. 6.	

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. (0.5' THICK REQ.)
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. (DIST 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"-9.9" DIA. CLASS II OVER 18" TO 36" DIA. CLASS III OVER 36" DIA.

INSTALL PARKING METER POSTS PER DETAIL ON PLAN SHEET 2.

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

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 ¾" 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 SIGNAL 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 (8) AND SHALL BE SET PER STD. 6065, 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.

EXISTING CULTURE & UNDERGROUND LEGEND

EXISTING UNDERGROUND UTILITIES

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

EXISTING TOPOGRAPHY

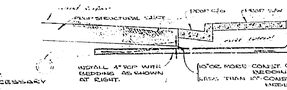
BLOCK WALL; BOARD FENCE; WIRE FENCE; CHAIN LINK FENCE; TOP OF SLOPE; TOE OF SLOPE; DIRECTION OF FLOW

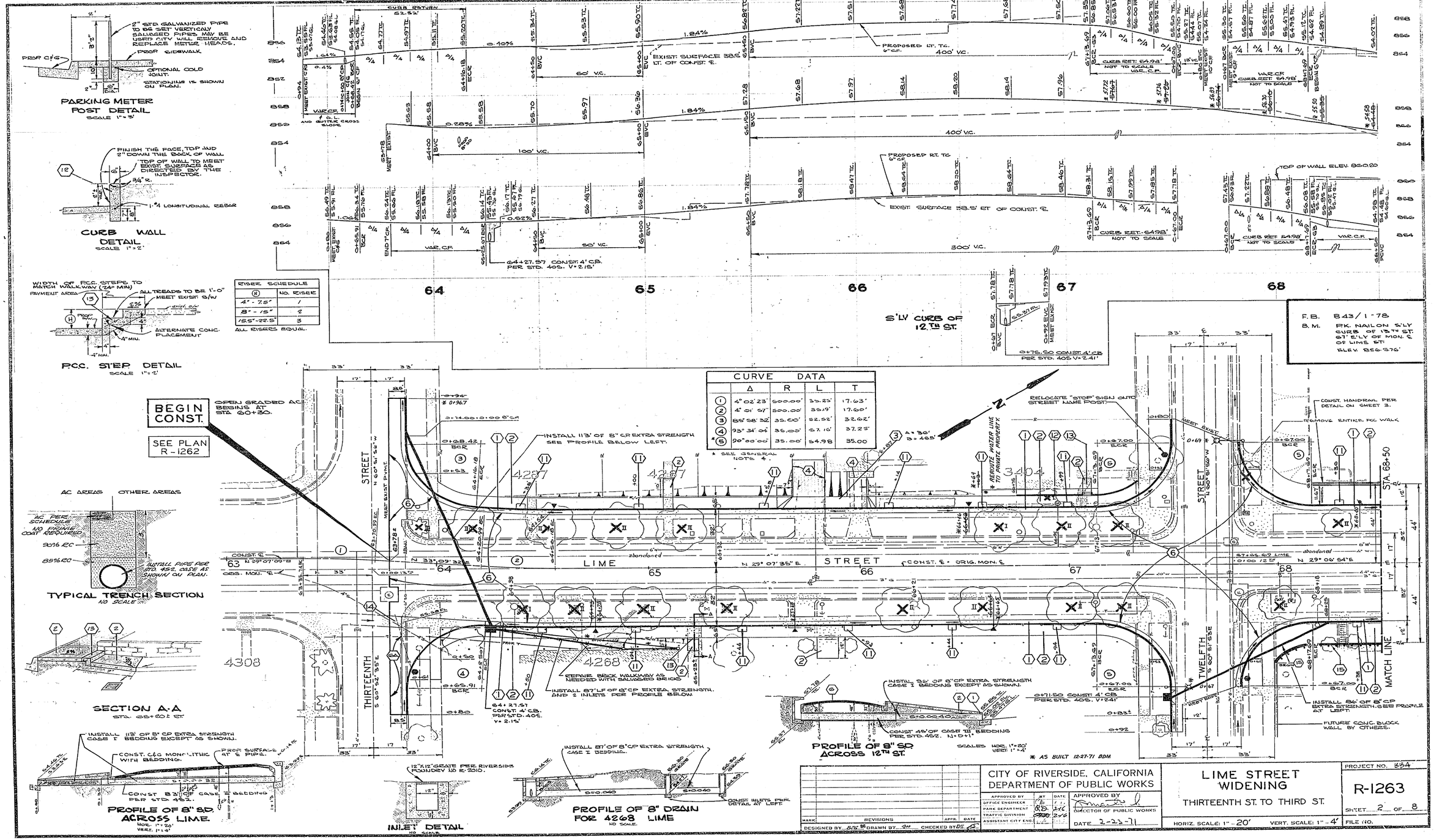
- SANITARY SEWER MH
- SANITARY SEWER CLEANOUT
- STORM DRAIN MH
- IRRIGATION WEIR
- WATER MH
- GAS MH
- ELECTRIC MH
- TELEPHONE MH OR VAULT
- POWER POLE
- GUY POLE
- POLE & GUY ANCHOR
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD 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.


PROP. GRADE
EXIST. STRUCTURE SECT.
PROP. GRADE
EXIST. SEWER
PROP. SEWER
EXIST. GRADE
WALL
WALL
WIDTH
WIDTH
WIDTH


PARKING METER POST DETAIL
SCALE 1"=3'
2" STD GALVANIZED PIPE TO BE SET VERTICAL. GALVANIZED PIPES MAY BE USED. CITY WILL REMOVE AND REPLACE METER HEADS.
PROP C&G
PROP SIDEWALK
OPTIONAL COLD JOINT.
STATIONING IS SHOWN ON PLAN.
CURB WALL DETAIL
SCALE 1"=2'
FINISH THE FACE, TOP AND 2" DOWN THE BACK OF WALL
TOP OF WALL TO MEET EXIST. SURFACE AS DIRECTED BY THE INSPECTOR.
#4 LONGITUDINAL REBAR
PCC. STEP DETAIL
SCALE 1"=2'
WIDTH OF PCC. STEPS TO MATCH WALKWAY (24" MIN.)
ALL TREADS TO BE 1'-0"
MEET EXIST. S/W
ALTERNATE CONC. PLACEMENT
RISER SCHEDULE
NO. RISER
4" - 7.5" 1
8" - 7.5" 2
7.5" - 22.5" 3
ALL RISERS EQUAL.
CURB RETURN
52.52'
PROPOSED LT. T.C. 6" C.G.
EXIST. SURFACE 58.5' LT. OF CONST. ℄
400' V.C.
60' V.C.
100' V.C.
300' V.C.
CURB RET. 64.98'
NOT TO SCALE
VAR. C.G.
64+27.57 CONST. 4' C.B. PER STD. 405. V=2.15'
S'LY CURB OF 12TH ST.
0+75.50 CONST. 4' C.B. PER STD. 405. V=2.41'
64
65
66
67
68
F.B. 843/1-78
B.M. PK NAILON S'LY CURB OF 13TH ST. 67' E'LY OF MON. ℄ OF LIME ST.
ELEV. 856.576'
BEGIN CONST.
OPEN GRADED A.C. BEGINS AT STA. 60+20.
SEE PLAN R-1262
CURVE DATA
(1) Δ 4° 02' 23" R 500.00' L 35.25' T 17.63'
(2) Δ 4° 01' 57" R 500.00' L 35.19' T 17.60'
(3) Δ 85° 58' 32" R 35.00' L 52.52' T 32.62'
(4) Δ 93° 34' 04" R 35.00' L 57.16' T 37.23'
(5) Δ 90° 00' 00" R 35.00' L 54.98 T 35.00
* SEE GENERAL NOTE 4.
INSTALL 113' OF 8" C.P. EXTRA STRENGTH SEE PROFILE BELOW LEFT.
INSTALL 87' OF 8" C.P. EXTRA STRENGTH CASE 1 BEDDING.
INSTALL 87' LF OF 8" C.P. EXTRA STRENGTH, AND 2 INLETS PER PROFILE BELOW.
64+27.57 CONST. 4' C.B. PER STD. 405. V=2.15'
REPAIR BRICK WALKWAY AS NEEDED WITH SALVAGED BRICK
RELOCATE "STOP" SIGN ON STREET NAME POST.
REMOVE ENTIRE P.C.C. WALK
CONST. HANDRAIL PER DETAIL ON SHEET 3.
FUTURE CONC. BLOCK WALL BY OTHERS.
INSTALL 54' OF 8" C.P. EXTRA STRENGTH. SEE PROFILE AT LEFT.
0+71.50 CONST. 4' C.B. PER STD. 405. V=2.41'
* AS BUILT 12-27-71 BDM
AC AREAS
OTHER AREAS
AC PER SCHEDULE NO FRICTION COAT REQUIRED
90% RC
85% RC
INSTALL PIPE PER STD. 452, CASE AS SHOWN ON PLAN.
TYPICAL TRENCH SECTION
NO SCALE
SECTION A-A
STA. 65+20 ± ℄
INSTALL 113' OF 8" C.P. EXTRA STRENGTH CASE 1 BEDDING EXCEPT AS SHOWN.
CONST. C&G MONOLITHIC WITH BEDDING.
PROP SURFACE ± ℄ AT ℄ PIPE.
CONST 83' OF CASE 1E BEDDING PER STD. 452.
PROFILE OF 8" SD ACROSS LIME.
HOR. 1"=20'
VERT. 1"=4'
12"x12" GEATE FRE RIVERSIDE FOUNDRY NO R-2510.
INLET DETAIL
NO SCALE
INSTALL 87' OF 8" C.P. EXTRA STRENGTH CASE 1 BEDDING.
PROFILE OF 8" DRAIN FOR 4268 LIME
NO SCALE.
INSTALL 56' OF 8" C.P. EXTRA STRENGTH CASE 1 BEDDING EXCEPT AS SHOWN.
CONST 46' OF CASE 1E BEDDING PER STD. 452. N+D+1'
PROFILE OF 8" SD ACROSS 12TH ST.
SCALES HOR. 1"=20' VERT. 1"=4'
LIME STREET
TWELFTH STREET
THIRTEENTH STREET
LIME STREET WIDENING
THIRTEENTH ST. TO THIRD ST.
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
MARK REVISIONS APPR. DATE
DESIGNED BY BE DRAWN BY DW CHECKED BY DE
PROJECT NO. 334
R-1263
SHEET 2 OF 8
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'
FILE NO.

F.B. 843/1-78

B.M. PK. NAIL ON S'LY CURB OF 13TH ST. 60' E'LY OF MON. ℄ OF LIME ST.

ELEV. 858.576'

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'

TOP OF EXIST. WALL 44.4' LEFT

TOP OF EXIST. WALL 45' TO 49' LEFT

EXIST. SURFACE 44' LEFT

INSTALL 112'± OF 15" CP 2000 D. CASE I BEDDING PER STD. 452.

7+15.15 CONST. 4' CB PER STD. 405. V= 4.00'

EXIST. SURFACE 38.5' LT.

PROP CONST. & GRADE.

PROPOSED LT. T.C. 5" C.P.

EXIST. SURFACE AT CONST. ℄

APPROX. TOP OF RETAINING WALL

EXIST. WALL

APPROX. TOP OF WALL

PROPOSED RT. T.C. 5" C.P.

EXIST. SUEFACE 38.5' RT.

TOP OF WALL ELEV. 860.20

EXIST. SURFACE AT CONST. ℄

STEP TO MEET EXIST. WALL

TOP OF EXIST. WALL 44' RT.

EXIST. SURFACE 44' RT.

CURB RET. 41.14' NOT TO SCALE

CURB RETURN A24

VAR. C.F.

CONST. HANDRAIL PER DETAIL BELOW

SECTION A-A

STA. 68+17 TO 69+29 LT.

NO SCALE

CONST. HANDRAIL PER DETAIL BELOW

OVERLAY EXIST. FIL. 0.2'

CO. WATER VALVE

STA. 69+75 TO 70+17 FILL WITH NATIVE MATERIAL AND GRADE AREA TO SLOPE TO STREET.

INSTALL 112'± OF 15" CP 2000 D. SEE PROFILE ABOVE.

MEET EXIST. BLOCKOUT WITH 12" THICK CONC. COLLAR

71+13.00 EC 15° CP

71+13.00 CONST 4' CB PER STD. 405. V= 4.00'

71+12.75 CONST. JOIN CB.

71+16.75 CONST. 8' CB PER STD. 405. V= 4.00'

71+21.25 BC

71+21.25 CONST. 4' CB PER STD. 405. V= 4.00'

CAUTION — PACIFIC TELEPHONE CABLES UNDERGROUND

HALL OF RECORDS BLDG.

CONST. ℄ = ORIG. MON. ℄

N 29°06'54"E

N 30°50'00"E

N 29°06.54'E

N 29°07'32"E

LIME STREET

CONST. ℄

ORIG. MON. ℄

MATCH LINE

STA. 68+50

STA. 74+75

PLUG EXIST. 8" VCP ROUNDDRAIN WITH RCC MORTAR.

CONST. DRAIN INLET PER DETAIL BELOW. SEE DETAIL AT RT.

CONST. HAND RAIL PER DETAIL BELOW

THICKEN S/W AS NEEDED TO MEET TOP OF EXIST. WALL.

STEP DOWN ⑮ 11 EQUAL STEPS TO MEET EXIST. WALL.

* TO MEET EXIST. OPENING.

INSTALL 95'± OF 21" CP 2000D. SEE PROFILE ABOVE.

SLOPE TO MEET EXIST. PVMT.

MEET EXIST. SURFACE AS DIRECTED BY THE INSPECTOR.

CONST. RETAINING WALL PER STD. 708. INSTALL REBAR FOR A 5' HIGH WALL.

CONST 63'± OF RETAINING WALL PER STD. 708. SEE DETAIL AT LEFT.

CONTRACTOR TO PROTECT EXIST. RESIDENCE DURING CONSTRUCTION.

* DELETED DIM

* SHORTENED CONCRETE WALL 2' TO INCREASE DIM OPENING.

REMOVE GARAGE AND GRADE AS DIRECTED BY THE INSPECTOR.

* AS BUILT 12-27-71 DOM

RETAINING WALL DETAIL

STA. 75+70 TO STA. 74+05 RT

SCALE 1"=4'

BLOCK COLOR, JOINTS AND MORTAR CAP TO MATCH EXIST. 5' WALL AT STA. 69+75 RIGHT BACK OF WALL TO BE FINISHED THE SAME AS THE FRONT FOR THE TOP 4'.

CONST. 14"x14" CONC. BOX AND PLACE 6"x6" TIMBER AND GRATE FREE RINSE OR APPROVED EQUAL.

USE SPEED RAIL FITTINGS OR OTHER NONCORRODIBLE FITTINGS

CONST. WALL PER STD. 708

PLACE 2'-4" TRANSITE PIPES AS DIRECTED.

RETAINING WALL DETAIL

NO SCALE

HANDRAIL DETAIL

RT. STA. 69+68 TO 71+29

LT. STA. 68+17 TO 69+29

SCALE 1"=3'

STAIRWAY DETAIL

STAIRWAY ℄ 69+88.36

SCALE 1"=10'

MARK	REVISIONS	APPR.	DATE

DESIGNED BY BJG DRAWN BY TW CHECKED BY JE ES

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER	VL	
PARK DEPARTMENT	PD	2-16
TRAFFIC DIVISION	TRD	2-16
ASSISTANT CITY ENG.		2-19

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.

F.B. 843/ 1-78
B.M. STEEL PIN IN W'LY CURB OF LIME ST. 60'± N'LY OF ℄ UNIVERSITY AVE.
ELEV. 859.862'

—CAUTION—
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M. | After Hours & Holidays
Orange County ..... 714-633-0011 | 714-547-6606
Riverside County ..... 714-682-0071 | 714-547-6606
FOR FREE CABLE LOCATING SERVICE

NINTH ST. ON RAMP
394 EAST T.C. PROFILE

NINTH STREET ON RAMP
LAYOUT LINE PROFILE ℄

CURVE DATA

	Δ	R	L	T		Δ	R	L	T
9	90°00'00"	35.00'	54.98'	35.00'	14	24°05'33"	200.00'	84.10'	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' 45"	120.00'	35.91'	18.09'	17	43° 11' 46"	37.00'	27.89'	14.65'
13	107°24' 57"	30.00'	56.24'	40.85'	18	36°02'27"	27.00'	40.65'	25.20'
					19	90°00'00"	27.00'	42.41'	27.00'

FORKING LOT PLANTER DETAIL
SCALE 1" = 2'

* 12' CURB TRANSITION PER STD 210.

* REMOVE SPRINKLER HEADS AND PIPES AS DIRECTED BY THE INSPECTOR. PIPES MAY BE LAID ON THE SURFACE. CONTACT DIVISION OF HIGHWAYS MAINTENANCE OFFICE (TEL. 686-3646) 7 DAYS PRIOR TO SPRINKLER REMOVAL

SECTION A-A

* AS BUILT 12-28-71 BDM

MARK	REVISIONS	APPR.	DATE

DESIGNED BY BJG DRAWN BY RJ CHECKED BY BE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

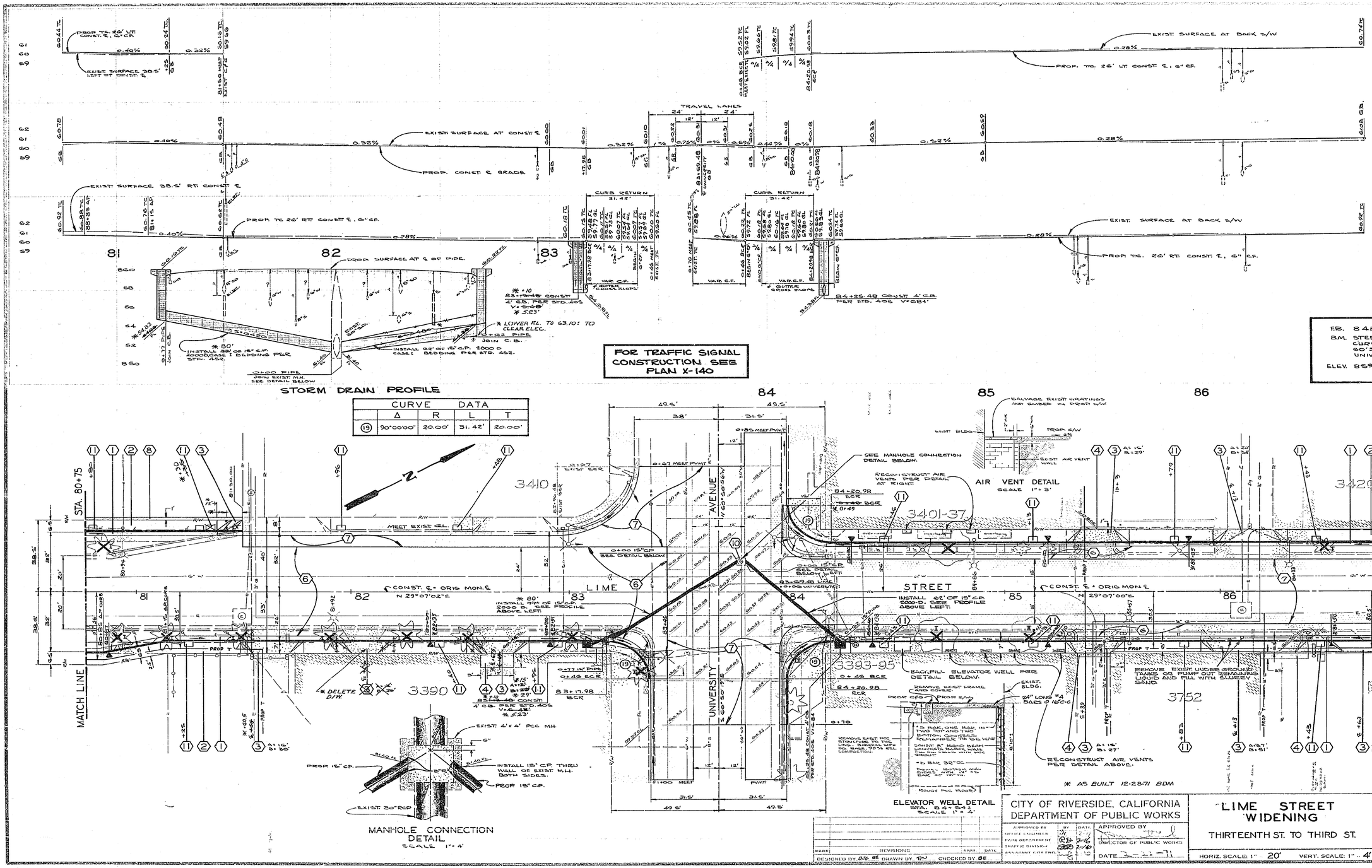
	BY	DATE
APPROVED BY		
OFFICE ENGINEER	M	2-4
PARK DEPARTMENT	RD	2-4
TRAFFIC DIVISION		2-4
ASSISTANT CITY ENG.		2-4

ADDENDUM BY
DIRECTOR OF PUBLIC WORKS
DATE 2-1

LIME STREET WIDENING
THIRTEENTH ST. TO THIRD ST.

PROJECT NO. 334
R-1263
SHEET 4 OF 8
FILE NO.

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



FOR TRAFFIC SIGNAL CONSTRUCTION SEE PLAN X-140

F.B. 845/1-78-849/1-19
B.M. STEEL PIN IN W'LY CURB OF LIME ST. 60'± N'LY OF ℄ UNIVERSITY.
ELEV. 859.862'

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

MARK	REVISIONS	APPD.	DATE

DESIGNED BY BTG DRAWN BY RM CHECKED BY BE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY OFFICE ENGINEER		12-1
PARK DEPARTMENT	RD	2-16
TRAFFIC DIVISION	RD	2-16
ASSISTANT CITY ENG.		2-12

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

LIME STREET WIDENING

THIRTEENTH ST. TO THIRD ST.

PROJECT NO. 334
R-1263
SHEET 5 OF 8
FILE NO.

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

FLAG POLE DETAIL
SCALE 1"=4'

FOR TRAFFIC SIGNAL CONSTRUCTION SEE PLAN X-141

VCP INLET DETAIL
NO SCALE
STA. 0+52 N'LY
STA. 0+78 N'LY

STORM DRAIN PLAN
SIXTH STREET
SCALE HOR. 1"=40' VERT. 1"=8'

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'
24	5°17'16"	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'

—CAUTION—
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FOR FREE CABLE LOCATING SERVICE

FD. B43/1-78 B49/1-19
B.M. STEEL PIN IN W'LY CURB OF LIME ST. 60'± N'LY OF E. UNIVERSITY AVE.
ELEV. 859.862'

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 2-22-71

REVISIONS | MARK | APPR. | DATE
DESIGNED BY BTC DRAWN BY JW 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 6 OF 8
FILE NO.

EXIST. SURFACE 38.5' LT. CONST. ℄
PROP TC 32' LT CONST. ℄, 6" C.F.
-0.32%
60' VC.
CURB RETURN R=98'
NOT TO SCALE
VAR. C.F.
EXIST. SURFACE 38.5' RT. CONST. ℄
PROP TC 32' RT. CONST. ℄, 6" C.F.
+0.32%
20' VC.
100' VC.
EXIST. SURFACE AT CONST. ℄
PROP. CONST. ℄ GRADE.
95+53.40 CONST. 4' CB PER DETAIL BELOW V= 7.84'
25' VC.
-0.40%
INSTALL 287 LF OF 21" CP, 2000D, CASE I BEDDING PER STD. 462.
INSTALL 112' OF 21" CP, 2000D, CASE I BEDDING PER STD. 462.
96+69.40 CONST 4' CB PER DETAIL BELOW LT. V= 6.70'
APPROX TOP OF WALL
INSTALL 277 LF OF 15" CP, 2000D, CASE I BEDDING PER STD. 462.
S=.0040

93 94 95 96 97 98

FB. 843/1-78, 849/1-19
BM. PK NAIL ON E'LY CURB OF LIME ST. 100' N'LY OF ℄ THIRD ST.
ELEV. 860.661'

SIDEWALK TO CLEAR TREES BY 1'.
RELOCATE "STOP" SIGN OUTO STREET NAME POST.
8587-73-55
3543-41-27
3495
3475
3469
3449
3435
STA. 92+75
STA. 98+75
LIME STREET
FIFTH STREET
N 29° 07' 30" E
CONST ℄ = ORIG. MON. ℄
92+09.90 LIME ℄ 100' S OF 5TH
MEET PVMT.
MATCH LINE
INSTALL 287 LF OF 21" CP SEE PROFILE ABOVE.
INSTALL 277 LF OF 15" CP SEE PROFILE
PLACE SWR. C.O. IN SIW.
RECONST. ENTRANCE. SEE DETAIL ON SHEET 8.
INSTALL 112' OF 21" CP SEE PROFILE ABOVE.
3550
3490
3478
3460
3442
SIDEWALK BEYOND PROPERTY LINE TO BE REMOVED BY OTHERS.
* AS BUILT 12-29-71 BDM

CURVE DATA				
	Δ	R	L	T
(27)	90° 00' 00"	35'	54.98'	35.00'
(26)	11° 26' 12"	277'	55.29'	27.74'
(51)	13° 20' 05"	204'	47.48'	23.85'
(33)	12° 26' 12"	277'	60.13'	30.18'

SHAPE CHANNEL TO CONNECT PIPES
PLAN
CONST. CB PER STD. 405 EXCEPT AS SHOWN.
USE THIS DIMENSION FOR DETERMINING STEP SPACING AND WALL THICKNESS.
HAND SHAPE CHANNEL BOTTOM
CHANNEL DETAIL SCALE 1" = 3'
SECTION
MODIFIED STD. 405 CATCH BASIN DETAIL
STA. 92+92.11, 95+53.40, 96+69.40, 99+49.66
SCALE 1" = 5'

EXIST. PEDESTAL
PROP S/W
SET TELEPHONE BOXES TO FINISH S/W GRADE. OVER EXIST. TELEPHONE PEDESTALS, BOXES TO BE FURNISHED BY THE TELEPHONE CO.
TELEPHONE BOX DETAIL
NO SCALE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		2-16
ASSISTANT CITY ENG.		2-15

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DATE 3-22-71

MARK	DEVISIONS	APPR.	DATE

DESIGNED BY BJG DRAWN BY EJ CHECKED BY BE G

LIME STREET WIDENING
THIRTEENTH ST. TO THIRD ST.

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

PROJECT NO. 334
R-1263
SHEET 7 OF 8
FILE NO.

CURB RETURN = 54.98'
NOT TO SCALE

25' V.C.

50' V.C.

CURB RETURN = 54.98'
NOT TO SCALE

EXIST. SURFACE 38.5' LT. CONST. ℄

PROP. TC 32' LT. CONST. ℄, 6"CF.

VAR. C.F.

PROP. CONST. ℄ GRADE

EXIST. SURFACE AT CONST. ℄

CURB RETURN 54.98'
NOT TO SCALE

APPROX TOP OF WALL

CURB RETURN 54.98'
NOT TO SCALE

APPROX TOP OF WALL

EXIST. SURFACE 38.5' RT. CONST. ℄

PROP. TC 32' RT. CONST. ℄, 6" CF.

VAR. C.F.

99+49.56 CONST. 4' CB.
PER DETAIL ON SHT. 7
V=5.96

INSTALL 108' OF 15" CP
2000-D CLASS 1
BEDDING PER STD. 462.

100+92.56 CONST. 4' CB.
PER STD. 405, V=5.07

99 100 101 102 103

CONST. 10' OF BERM
PER DETAIL AT LT.

A.C. BERM DETAIL
SCALE 1"= 2'

* SHORTEN C.R. TO
CLEAR TREE.

STA. 98+75

STREET

LIME

STREET

FOURTH

THIRD

END CONST.

OPEN GRADED AC.
ENDS AT STA.
103+78.87.

SEE PLAN
R-1257

3409 3403 3375 3357 3343 3329

3428 3410 3390 3374 3350 3342 3324 3310

99+49.56 CONST. 4' CB.
PER DETAILON SHT. 7
V=5.96

100+92.56 CONST. 4' CB.
PER STD. 405, V=5.07

INSTALL 108' OF 15" CP
2000-D CLASS 1
BEDDING PER STD. 462.

CURVE DATA				
	Δ	R	L	T
(28)	96°00'45"	35.00'	64.98'	36.00'
(31)	13°20'06"	204.00	47.48'	23.85'

CONST. 28'T OF TYPE B-II
CURB PER STD. 201.
3" CURB FACE

REMOVE EXIST. STEPS
AS REQUIRED.

PROP. B.S.W.

MEET EXIST. S.W.

PLAN DETAIL
SCALE 1"=8'

CONST. WROUGHT IRON
HAND RAIL TO MATCH
EXIST. OR APPROVED
EQUAL.

GROUT POSTS.

CLEAR FOR STAIRS

STEP DETAIL
SCALE 1"= 1'

TYPICAL SECTION A-A
SCALE 1"=2'

ENTRANCE
RECONSTRUCTION
STA. 95 + 39±
SEE SHEET 7

BM. PK IN LEAD ON ELY CURB OF LIME ST. 100'± N'LY OF ℄ OF THIRD ST.
ELEV. 860.601'

* AS BUILT 12-29-71 BDM

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY OFFICE ENGINEER — BY — DATE
APPROVED BY PARK DEPARTMENT — BY — DATE
APPROVED BY TRAFFIC DIVISION — BY — DATE
APPROVED BY ASSISTANT CITY ENG. — BY — DATE
APPROVED BY DIRECTOR OF PUBLIC WORKS
DATE 2-22-71

MARK REVISIONS APPR. DATE

DESIGNED BY BAC 65 DRAWN BY TRJ 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 8 OF 8
FILE NO.