RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883 — CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

OLIVEWOOD AVENUE WIDENING

PROSPECT AVENUE TO 13TH STREET

LENGTH OF PROJECT 1850 FEET 0.35 MILE

SPECIAL CONSTRUCTION NOTES

SECTION LEGEND — SHADING LEGEND

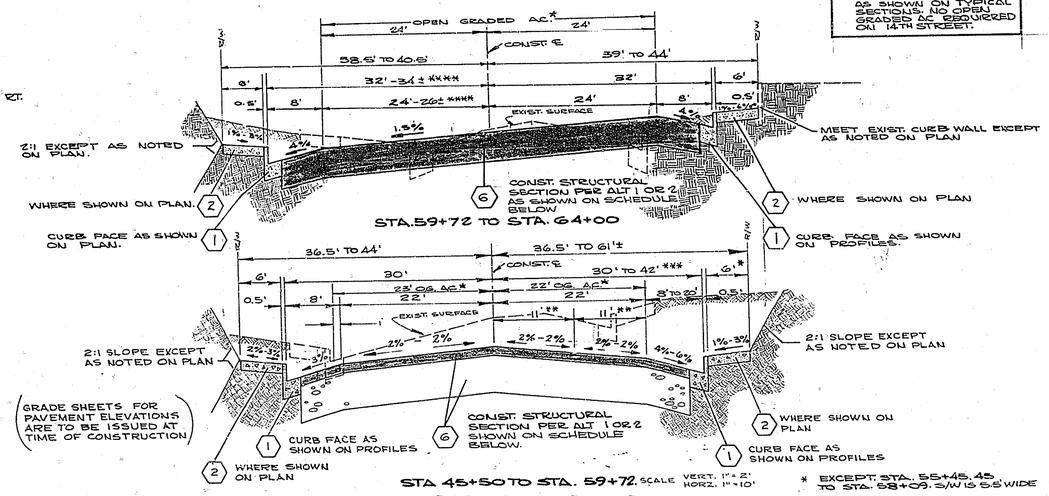
1. CONST. CURB AND GUTTER PER STD. DWG. 200. CURB FACE AS NOTED ON CURB PROFILES.
2. CONST. SIDEWALK PER STD. DWG. 350A OR STD. DWG. 325A.
3. CONST. DRIVEWAY APPROACH PER STD. DWG. 302. A=10' AND B=17' EXCEPT AS NOTED ON THE PLAN. FINAL LOCATION TO BE DETERMINED IN THE FIELD BY ENGINEER. DEPRESS D/W AT B&W PER DETAIL BELOW.
4. REPLACE OR REGRADE DRIVEWAY TO GRADES AS DIRECTED BY THE ENGINEER. MATERIAL AS SHOWN ON PLAN.
6. CONST. STRUCTURAL SECTION PER ALT. 1 OR 2 OF STRUCTURAL SECTION SCHEDULE BELOW. USE 1-B-B5-100 AC.
7. OVERLAY EXISTING PAVEMENT WITH VARIABLE THICKNESS OF ASPHALT CONCRETE. USE TYPE I AC WITH AGGREGATE CLASS PER SCHEDULE BELOW ET.
8. PLACE 2½" OF ASPHALT CONCRETE OVER NATIVE SOIL (90% RELATIVE COMPACTION) USE 1-B-B5-100 AC.
10. ADJUST MANHOLE TO GRADE.
- ENTIRE TREE REMOVED IN PRIOR CONTRACT. STUMPS MILLED TO 2'± BELOW EXIST. SURFACE PER PLAN E:-1262-TR.
11. CONST. TREE WELL PER STD. 326. OMIT COVERS.
12. CONST. PCC CURB WALL PER DETAIL BELOW.
13. CONST. PCC STAIRWAY PER DETAIL BELOW.

GENERAL CONSTRUCTION NOTES

1. WHERE NEW CONST. IS INDICATED
   a) CLEAR AND GRUB
   b) REMOVE ALL CURB, GUTTER, SIDWALK, AND PCC.
   c) SCARIFY OR REMOVE ALL AC PAVEMENT EXCEPT WHERE OVERLAY OF EXIST. PAVEMENT IS SHOWN ON PLAN.
2. PROPOSED TELEPHONE, ELECTRIC U.G., STREET LIGHT, TRAFFIC SIGNAL, AND WATER CONSTRUCTION IS SHOWN ON THIS PLAN. FOR DESIGN PURPOSES AND CONVENIENCE OF THE CITY ENGINEER ONLY. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF THESE FACILITIES FROM THE REFERENCE PLANS LISTED BELOW.
3. RIGHTS-OF-ENTRY HAVE BEEN OBTAINED BY THE CITY FOR ALL WORK SHOWN OUTSIDE OF THE RIGHT-OF-WAY

REFERENCE PLANS

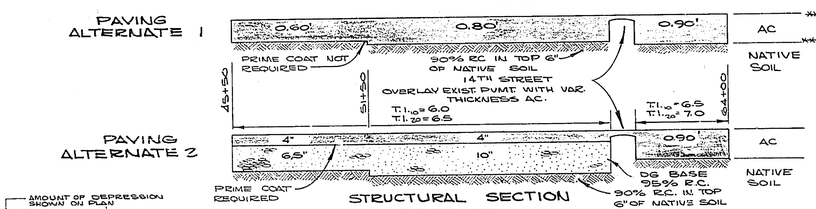
1. ELECTRIC UNDERGROUND.... US-0170
2. STREET LIGHTS..... LS-4724
3. TRAFFIC SIGNALS..... X-105
4. WATER CONSTRUCTION..... DS-4769



* PLACE OPEN GRADED AC. FROM STA. 45+50 TO STA. 63+40± WIDTH AS SHOWN ON TYPICAL SECTIONS. NO OPEN GRADED AC REQUIRED ON 14TH STREET.

* EXCEPT STA. 55+45.45 TO STA. 58+09. S/W IS 5.5' WIDE
** STA. 54+00 TO STA. 55+28
*** VARIES FROM STA. 57+28 TO STA. 58+56.82
**** VARIES FROM STA. 60+49.10 TO STA. 60+92.66

TYPICAL SECTIONS



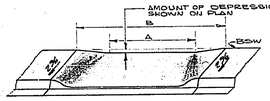
STRUCTURAL SECTION SCHEDULE

AC PAVEMENT SCHEDULE

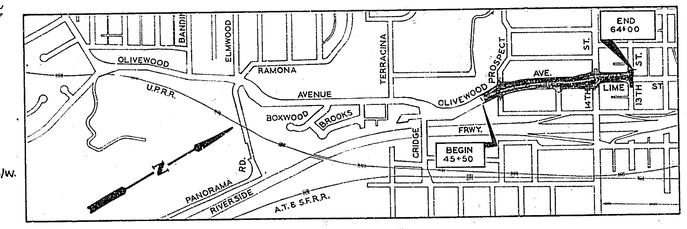
TOTAL AC	REQUIRED COURSES
4"	2" FINISH 2" BASE
.60	0.25 FINISH 0.35 BASE
.80	0.25 FINISH 0.25 BASE 0.30 BASE
.90	0.25 FINISH 0.25 BASE 0.40 BASE
2½"	2½" FINISH

AC OVERLAY AGGREGATE SCHEDULE

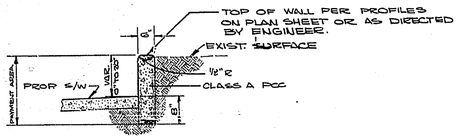
THICKNESS	CLASS
0" - 1"	D
1" - 1½"	C
1½" - 6"	B



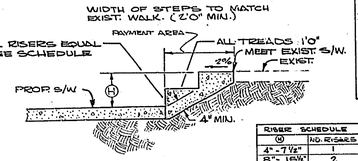
DRIVEWAY APPROACH DETAIL
NO SCALE



PROJECT LOCATION MAP



CURB WALL
SCALE 1" = 2'



RISER SCHEDULE	
⊙	NO. RISERS
4"-7½"	1
8"-15½"	2
16"-23½"	3

PCC STAIRWAY DETAIL
SCALE 1" = 2'

0 500 1000 2000 3000 4000 5000 FEET
SCALE 1" = 800'

SEE SHEET 5 FOR NOTES AND DETAILS FOR LOWERING AND/OR ENCASING OF CONFLICTING SEWER LATERALS

CONSTRUCTION LEGEND

M.H. WYE LATERAL CLEANOUT — SANITARY SEWER
CLEANOUT BOX M.H. C.B. — STORM DRAIN

CURBING
CHAIN LINK FENCE
RETAINING WALL
CHAIN LINK FENCE ON RETAINING WALL
CHAIN LINK FENCE ON CURBING

DIRECTION OF FLOW IN PROP. GUTTER
GRADE CONTROL LINE — GCL
CONSTRUCTION CENTER LINE — CONST. ℄
ORIGINAL MONUMENT CENTER LINE — ORIG. MON. ℄
RIGHT-OF-WAY LINE — R/W
SUBDIVISION LOT LINE — ℄

TOP OF SLOPE
TOE OF SLOPE

EXISTING CULTURE & UNDERGROUND LEGEND

EXISTING UNDERGROUND UTILITIES

SANITARY SEWER	8"VCP	S	TELEPHONE CONDUIT	T
WATER LINE	8"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	ABANDONED UTILITY	

EXISTING TOPOGRAPHY

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
RAILROAD TRACKS
RAILROAD SIGN
RAILROAD SIGNAL
R.C.C. STREET LIGHT
STREET LIGHT
TRAFFIC SIGNAL
TRAFFIC SIGNAL ON MAST ARM
TRAFFIC CONTROL BOX
TRAFFIC SIGNAL DETECTOR
GAS METER
WATER METER
FIRE HYDRANT
SPRINKLER HEAD
WATER VALVE
GAS VALVE
HYDRANT OR FAUCET
MAIL BOX
PORCH
STEPS
YARD LIGHT
CONCRETE
ASPHALT
EDGE OF PAVEMENT
BUILDING
UNDERGROUND OR OVERHANGING STRUCTURE
ROCK EDGING
TREE
PALM TREE
SHRUBBERY
ROCK
BLOCK WALL
BOARD FENCE
WIRE FENCE
CHAIN LINK FENCE
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW

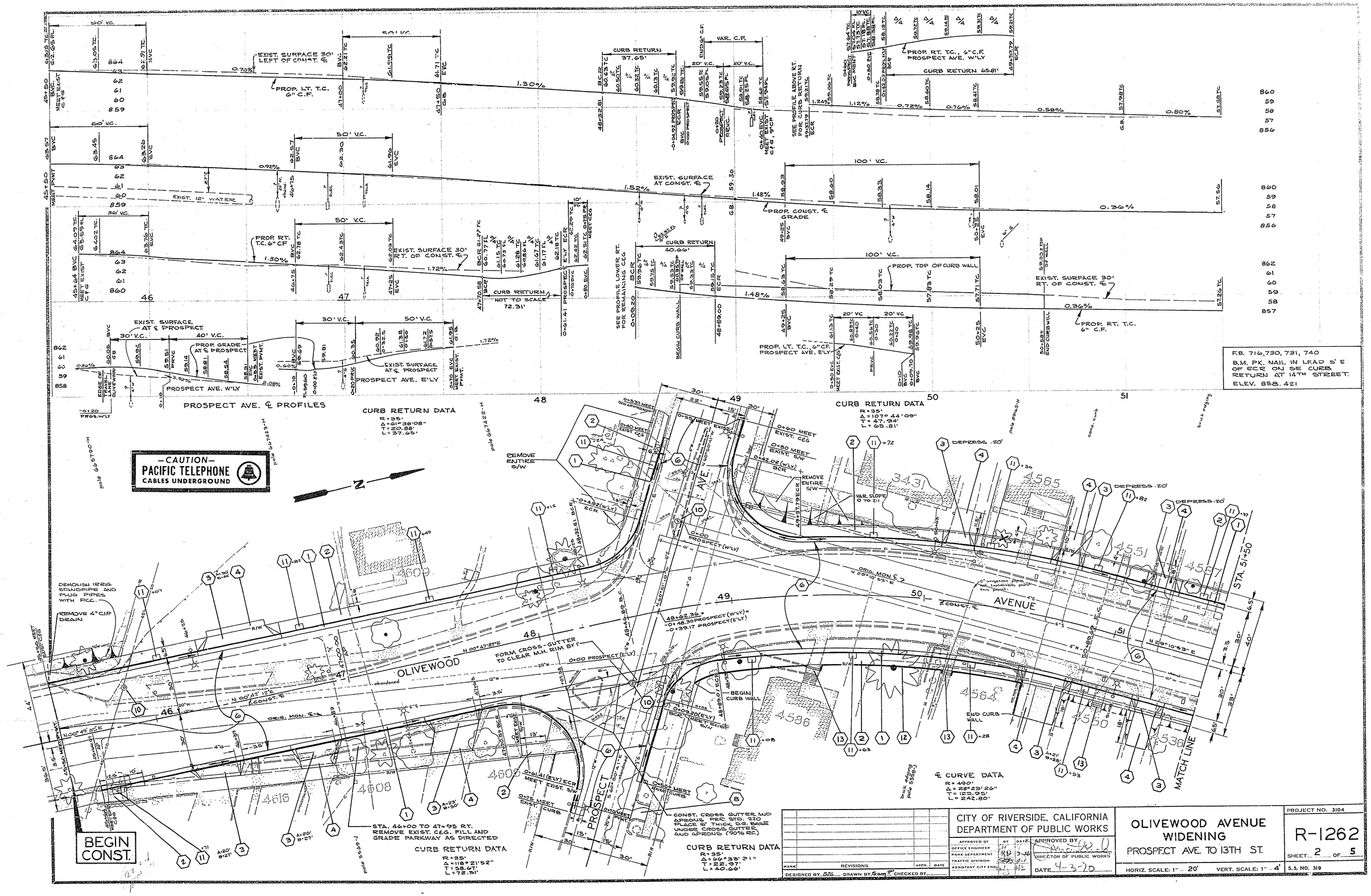
OLIVEWOOD AVE. WIDENING
PROSPECT AVE. TO 13TH STREET

APPROVED BY	BY	DATE
OFFICE ENGINEER		4/3/70
PARK DEPARTMENT		3-26
TRAFFIC DIVISION		
ASSISTANT CITY ENGINEER		4/3/70

APPROVED BY — DIRECTOR OF PUBLIC WORKS — DATE 4-3-70

PROJECT NO. 3104
R-1262
SHEET 1 OF 5

SAM DESIGNED BY — DRAWN BY — CHECKED BY — S.S. NO. 319



CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT	RD	3-26
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		

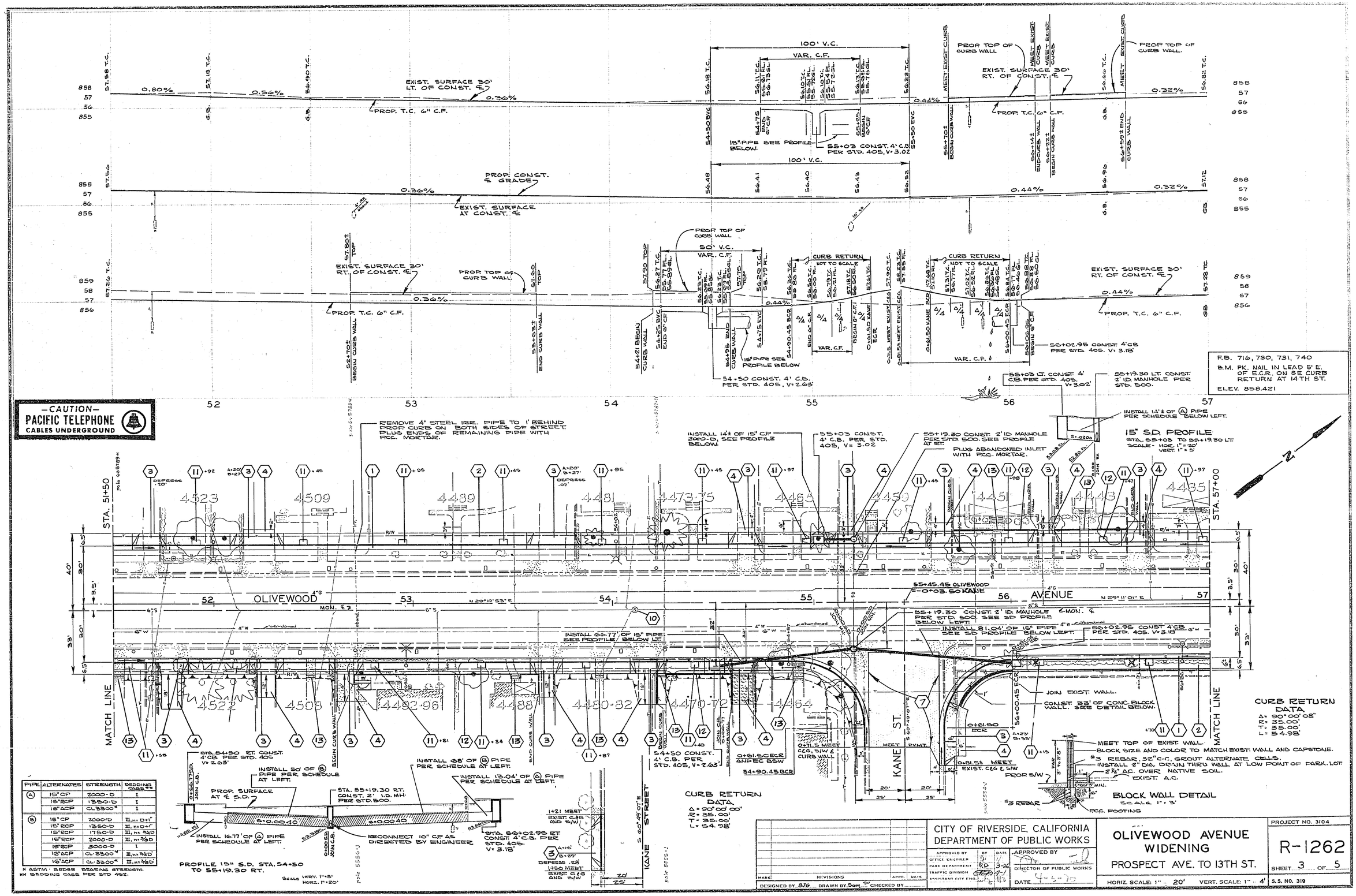
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 4-3-70

OLIVEWOOD AVENUE WIDENING
PROSPECT AVE. TO 13TH ST.

PROJECT NO. 3104
R-1262
SHEET 2 OF 5
S.S. NO. 319

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

DESIGNED BY BJG DRAWN BY Sam CHECKED BY



PIPE	ALTERNATES	STRENGTH	BEDDING CLASS **
Ⓐ	15" CP	2000-D	I
	15" RCP	1350-D	I
	18" ACP	CL 3300 *	I
Ⓑ	15" CP	2000-D	III, n=.01 D+1'
	15" RCP	1350-D	III, n=.01 D+1'
	15" RCP	1750-D	III, n=.01 D+1'
	18" RCP	2000-D	III, n=.01 D+1'
	18" RCP	3000-D	I
	18" ACP	CL 3300 *	III, n=.01 D+1'
	18" ACP	CL. 3300 *	III, n=.01 D+1'

* ASTM - EDGE BEARING STRENGTH.
** BEDDING CLASS PER STD 462.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SJG DRAWN BY Sam CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT	RD	3-26
TRAFFIC DIVISION		
ASSISTANT CITY ENGINEER		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 4-6-70

OLIVEWOOD AVENUE WIDENING

PROSPECT AVE. TO 13TH ST.

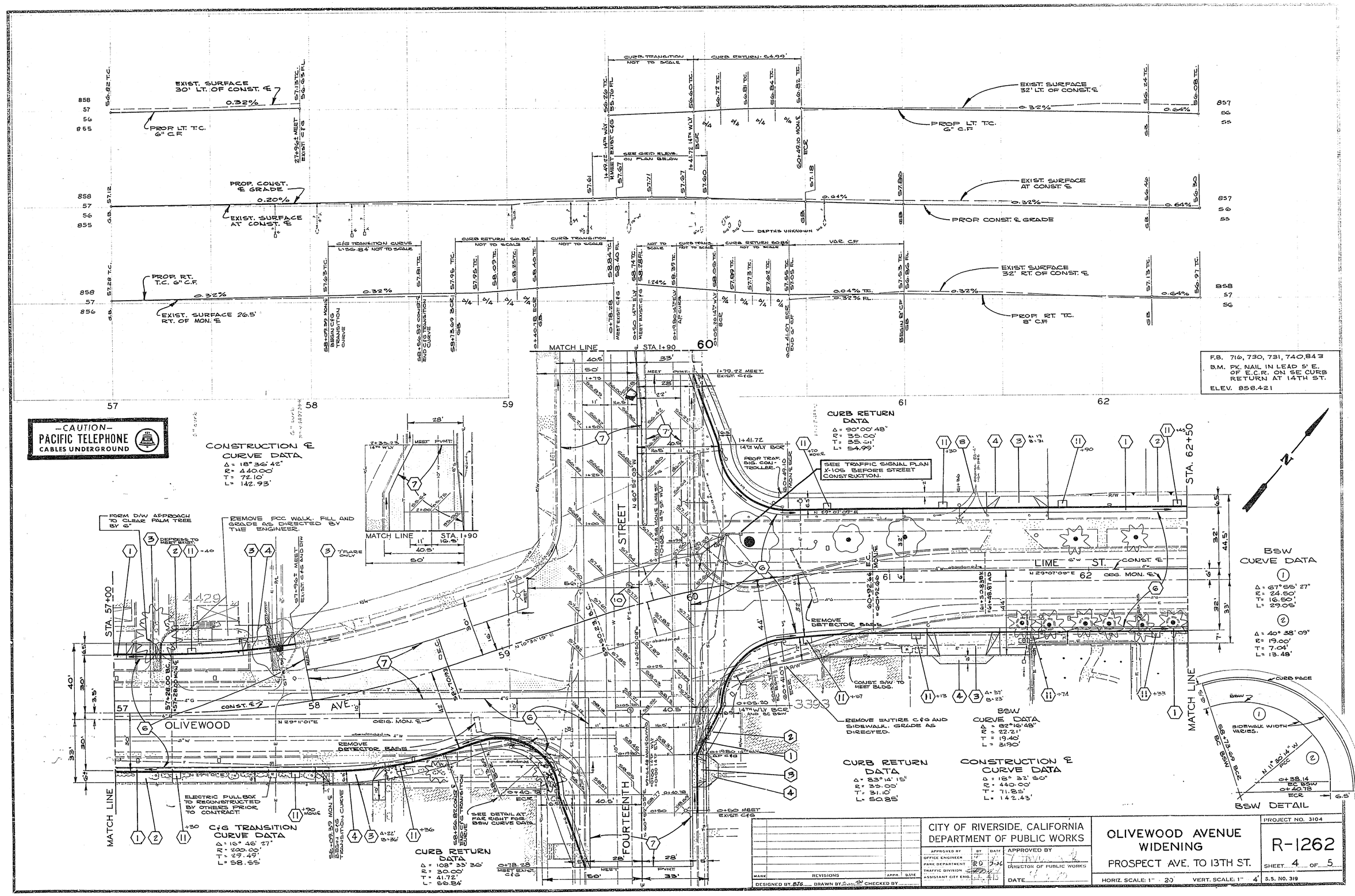
PROJECT NO. 3104

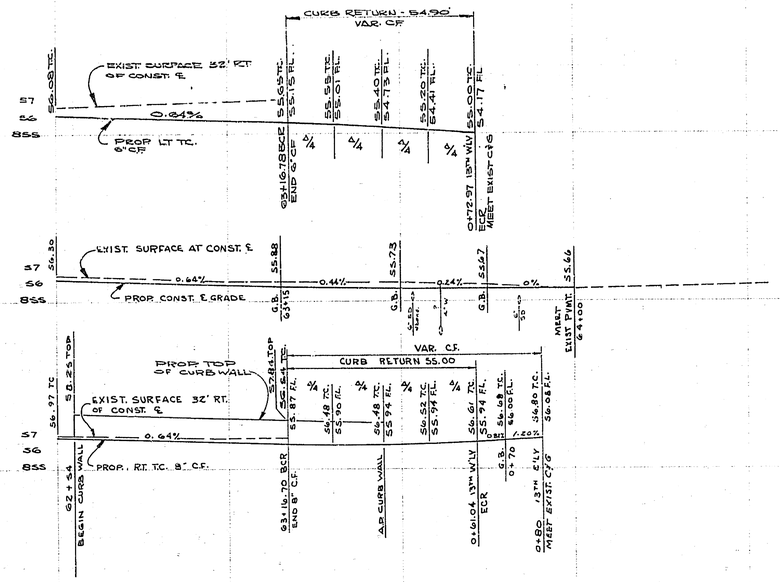
R-1262

SHEET 3 OF 5

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

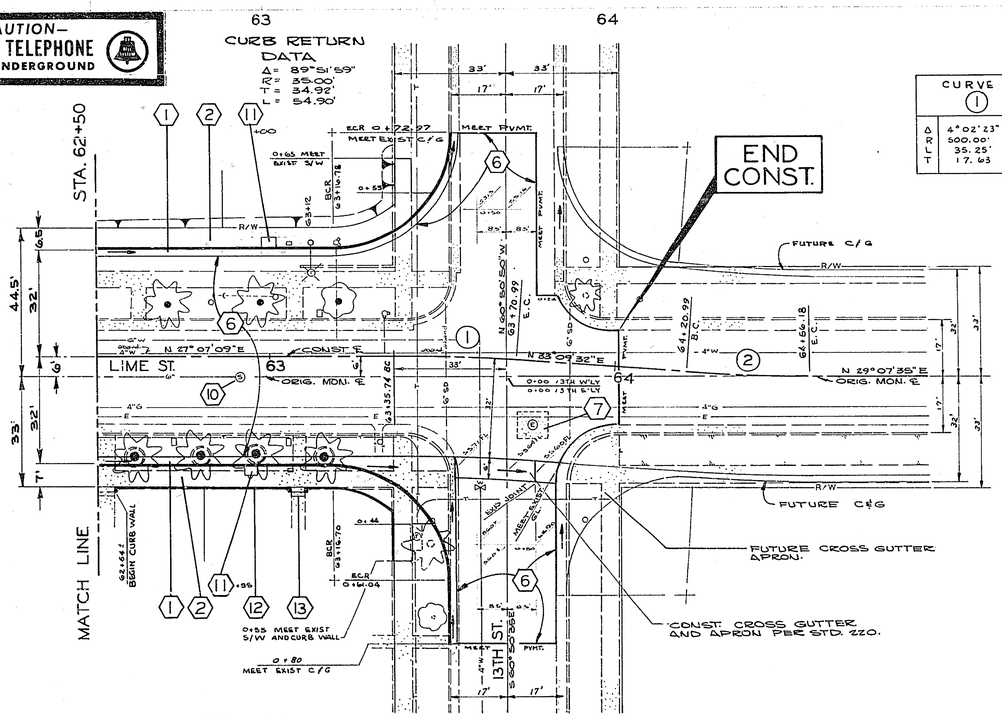
S.S. NO. 310


EXIST. SURFACE 30' LT. OF CONST. ℄
PROP LT. T.C. 6" C.F.
PROP. CONST. ℄ GRADE
EXIST. SURFACE AT CONST. ℄
PROP. RT. T.C. 6" C.F.
EXIST. SURFACE 26.5' RT. OF MON. ℄
EXIST. SURFACE 32' LT. OF CONST. ℄
PROP LT. T.C. 6" C.F.
EXIST. SURFACE AT CONST. ℄
PROP CONST. ℄ GRADE
EXIST. SURFACE 32' RT. OF CONST. ℄
PROP. RT. T.C. 8" C.F.
CURB TRANSITION NOT TO SCALE
CURB RETURN - 54.99'
SEE GRID ELEVS. ON PLAN BELOW
DEPTHS UNKNOWN
C/G TRANSITION CURVE L=56.84' NOT TO SCALE
CURB RETURN 56.84' NOT TO SCALE
CURB RETURN 60.85'
V.G. C.F.
MATCH LINE
STA. 1+90
1+79.22 MEET EXIST. C/G
CONSTRUCTION ℄ CURVE DATA
Δ = 18° 36' 42"
R = 440.00'
T = 72.10'
L = 142.93'
-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
CURB RETURN DATA
Δ = 90° 00' 48"
R = 35.00'
T = 35.31'
L = 54.99'
SEE TRAFFIC SIGNAL PLAN X-105 BEFORE STREET CONSTRUCTION.
FORM D/W APPROACH TO CLEAR PALM TREE BY 6"
REMOVE PCC WALK, FILL AND GRADE AS DIRECTED BY THE ENGINEER.
DEFLECTS TO MEET EXIST.
7' FLARE ONLY
STA. 57+00
STA. 62+50
OLIVEWOOD AVE.
FOURTEENTH STREET
LIME ST.
CONST. ℄
ORIG. MON. ℄
REMOVE DETECTOR BASE
CONST. S/W TO MEET BLDG.
REMOVE ENTIRE C&G AND SIDEWALK. GRADE AS DIRECTED.
ELECTRIC PULL BOX TO RECONSTRUCTED BY OTHERS PRIOR TO CONTRACT.
SEE DETAIL AT FAR RIGHT FOR BSW CURVE DATA.
C&G TRANSITION CURVE DATA
Δ = 16° 46' 27"
R = 200.00'
T = 29.49'
L = 58.55'
CURB RETURN DATA
Δ = 108° 33' 36"
R = 30.00'
T = 41.72'
L = 56.84'
BSW CURVE DATA
Δ = 82° 16' 48"
R = 22.21'
T = 19.40'
L = 31.90'
CURB RETURN DATA
Δ = 83° 14' 15"
R = 35.00'
T = 31.10'
L = 50.85'
CONSTRUCTION ℄ CURVE DATA
Δ = 18° 32' 50"
R = 440.00'
T = 71.85'
L = 142.43'
BSW CURVE DATA
Δ = 67° 55' 27"
R = 24.50'
T = 16.50'
L = 29.05'
Δ = 40° 38' 09"
R = 19.00'
T = 7.04'
L = 13.48'
CURB FACE
SIDEWALK WIDTH VARIES.
BSW DETAIL
F.B. 716, 730, 731, 740, 843
B.M. PK. NAIL IN LEAD 5' E. OF E.C.R. ON SE CURB RETURN AT 14TH ST.
ELEV. 858.421
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY
OFFICE ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
ASSISTANT CITY ENG.
DIRECTOR OF PUBLIC WORKS
DATE
MARK
REVISIONS
APPR.
DATE
DESIGNED BY BJG DRAWN BY CHECKED BY
OLIVEWOOD AVENUE WIDENING
PROSPECT AVE. TO 13TH ST.
PROJECT NO. 3104
R-1262
SHEET 4 OF 5
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'
S.S. NO. 319



F.B. 716, 730, 731, 740, 843
B.M. PK. NAIL IN LEAD 5' E. OF E.C.R. ON SE CURB RETURN AT 14TH ST.
ELEV. 858.421

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND

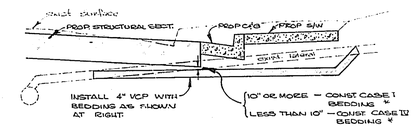


CURVE DATA	①	②
Δ	4° 02' 23"	4° 01' 57"
R	500.00'	500.00'
L	35.25'	35.19'
T	17.63	17.60'

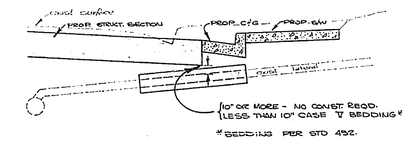
CONFLICTING SEWER LATERALS

NOTES:

1. CONFLICTING SEWER LATERALS (WITHIN 10" OF PROP STRUCTURAL SECTION) SHALL BE LOWERED AND/OR ENCASED PER ALTERNATE 1 OR 2 AT RIGHT, AS DETERMINED AT TIME OF CONSTRUCTION BY THE ENGINEER.
2. EXACT LIMITS OF LOWERING AND/OR ENCASING SHALL BE DETERMINED BY THE ENGINEER AT TIME OF CONSTRUCTION.
3. THE CONTRACTOR SHALL EXPOSE EXIST. LATERALS AND OTHER UTILITIES AS NECESSARY FOR THE ENGINEER TO DETERMINE THE LIMITS AND GRADE OF LOWERING AND/OR ENCASEMENT.



ALTERNATE 1 · LOWER LATERAL



ALTERNATE 2 · ENCASE EXIST. LATERAL

NO SCALE

MARK	REVISIONS	APPR.	DATE

DESIGNED BY BJG DRAWN BY JW CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT	RB	7-26
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE

OLIVEWOOD AVENUE WIDENING
PROSPECT AVE. TO 13TH ST.

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

PROJECT NO. 3104
R-1262
SHEET 5 OF 5
S.S. NO. 319