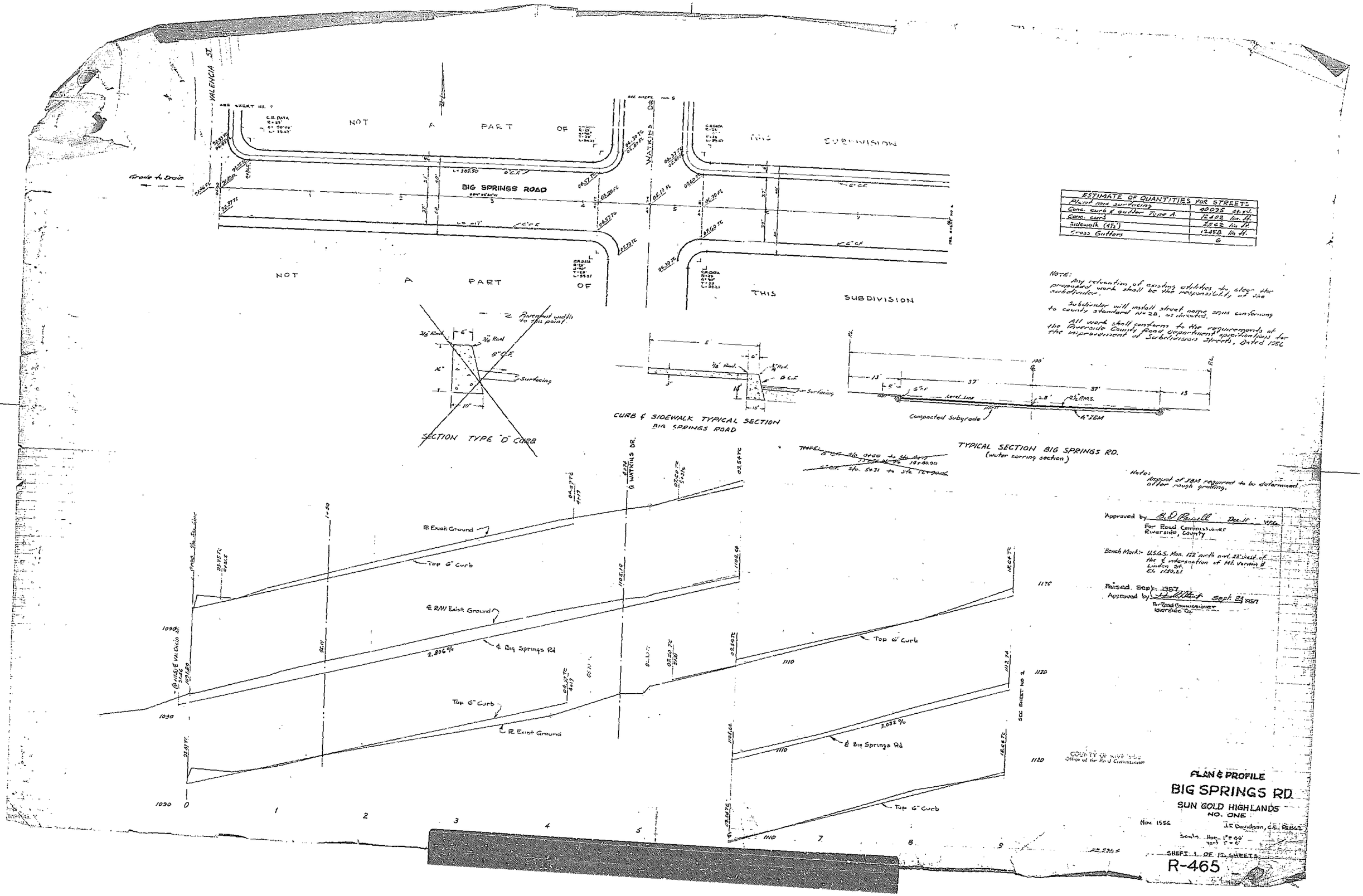


ESTIMATE OF QUANTITIES FOR STREETS	
Plant mix surfacing	40075 sq.yd.
Conc. curb & gutter Type A.	12402 lin. ft.
Conc. curb	2562 lin. ft.
Sidewalk (4½')	12458 lin. ft.
Cross Gutters	6

NOTE:
Any relocation of existing utilities to clear the proposed work shall be the responsibility of the subdivider.

Subdivider will install street name signs conforming to county standard No 28, as directed.

All work shall conform to the requirements of the Riverside County Road Department specifications for the improvement of Subdivision Streets, Dated 1956

Note:
Amount of IBM required to be determined after rough grading.

Approved by B. D. Powell Dec. 11 1956
For Road Commissioner
Riverside, County

Bench Mark:- U.S.G.S. Mon. 122' north and 23' west of the ℄ intersection of Mt. Vernon & Linden St.
El. 1130.21

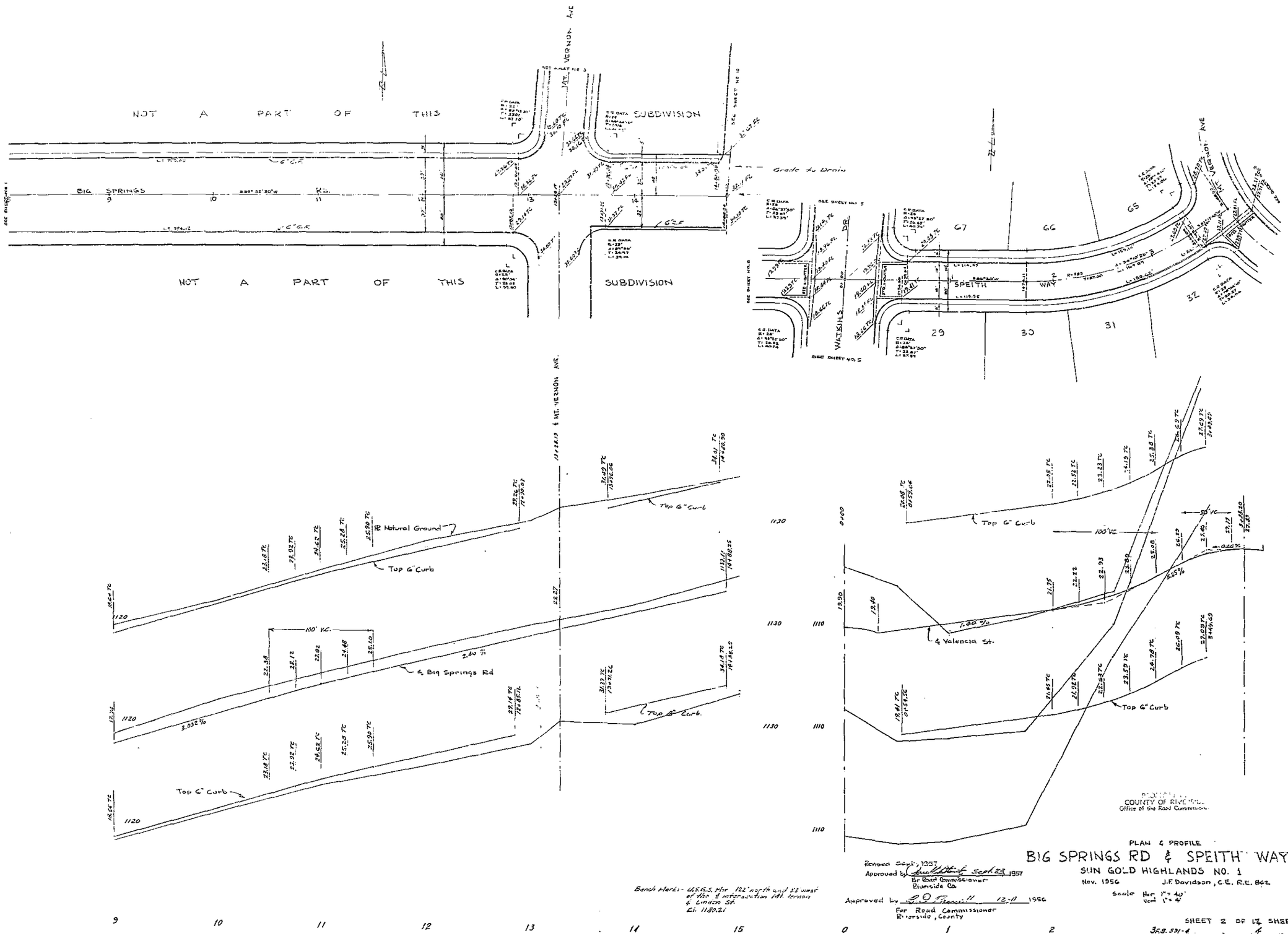
Revised Sept. 1957
Approved by [signature] Sept. 23 1957
For Road Commissioner
Riverside Co.

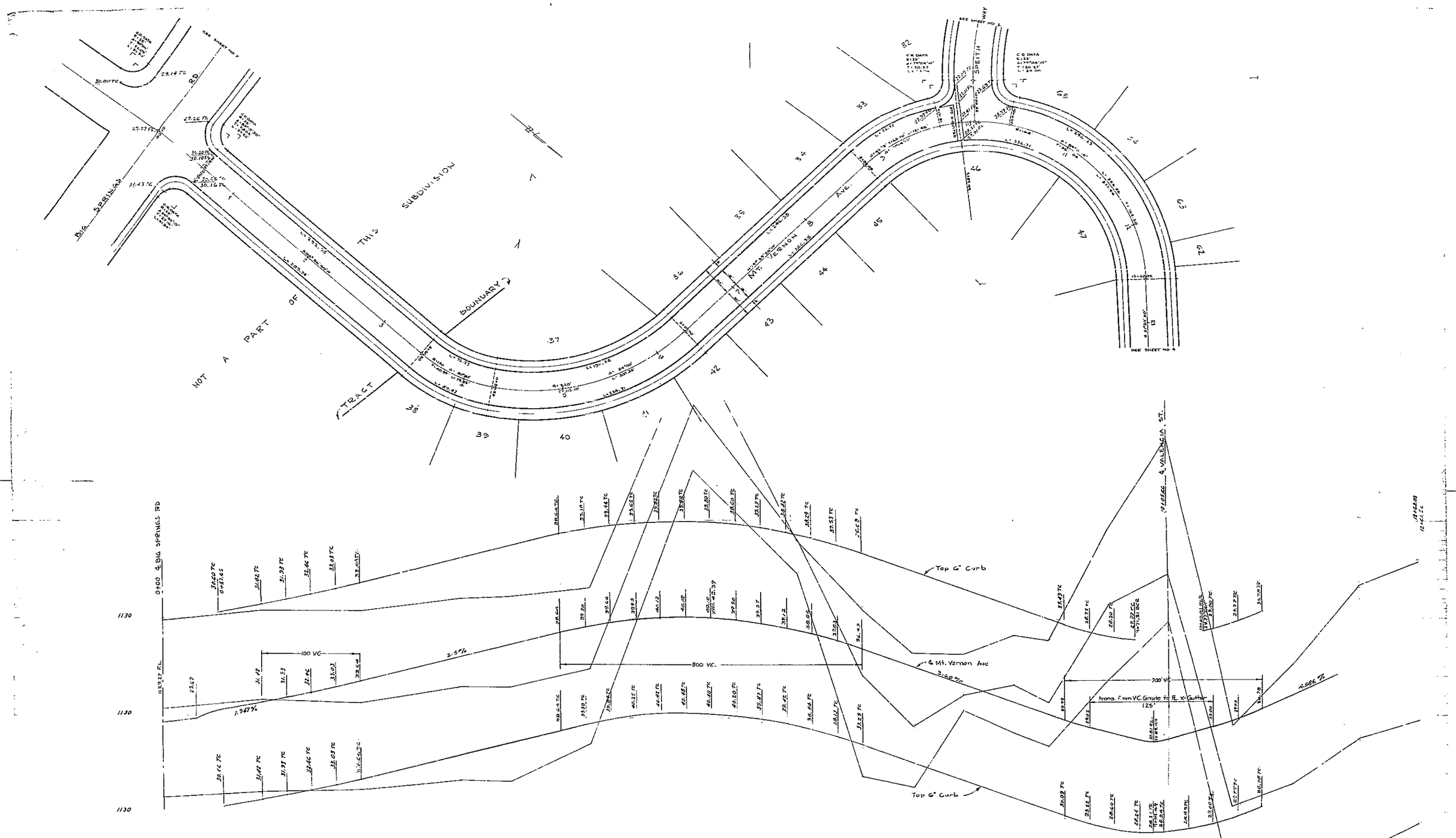
COUNTY OF RIVERSIDE
Office of the Road Commissioner

PLAN & PROFILE
BIG SPRINGS RD.
SUN GOLD HIGHLANDS
NO. ONE

Nov. 1956
J.F. Davidson, C.E. R5862
Scale: Hor. 1" = 40'
Vert. 1" = 4'

SHEET 1 OF 12 SHEETS
R-465


NOT A PART OF THIS SUBDIVISION
BIG SPRINGS RD.
NOT A PART OF THIS SUBDIVISION
MT. VERNON AVE
Grade to Drain
SPEITH WAY
WATKINS DR
67
66
65
29
30
31
32
℄ Natural Ground
Top 6" Curb
100' V.C.
2.40 %
℄ Big Springs Rd
3.032 %
Top 6" Curb
Top 6" Curb
Top 6" Curb
100' V.C.
50' V.C.
℄ Valencia St.
Top 6" Curb
COUNTY OF RIVERSIDE
Office of the Road Commissioner
Bench Mark:- U.S.G.S. Mar 122' north and 23' west of the ℄ intersection Mt. Vernon & Linden St. El. 1180.21
Revised Sept. 1957
Approved by Sept. 23 1957
Br Road Commissioner
Riverside Co.
Approved by 12-11 1956
For Road Commissioner
Riverside, County
PLAN & PROFILE
BIG SPRINGS RD & SPEITH WAY
SUN GOLD HIGHLANDS NO. 1
Nov. 1956
J.F. Davidson, C.E. R.E. 862
Scale Hor 1" = 40'
Vert 1" = 4'
SHEET 2 OF 17 SHEETS
3F.S. 591-4
R-465



Bench Mark:- U.S.G.S. Mon. 122' north and 23' west of the ℄ intersection of Mt Vernon & Linden El. 1130.21

Approved by G. D. Powell 12-11 1956
For Road Commissioner
Riverside, County

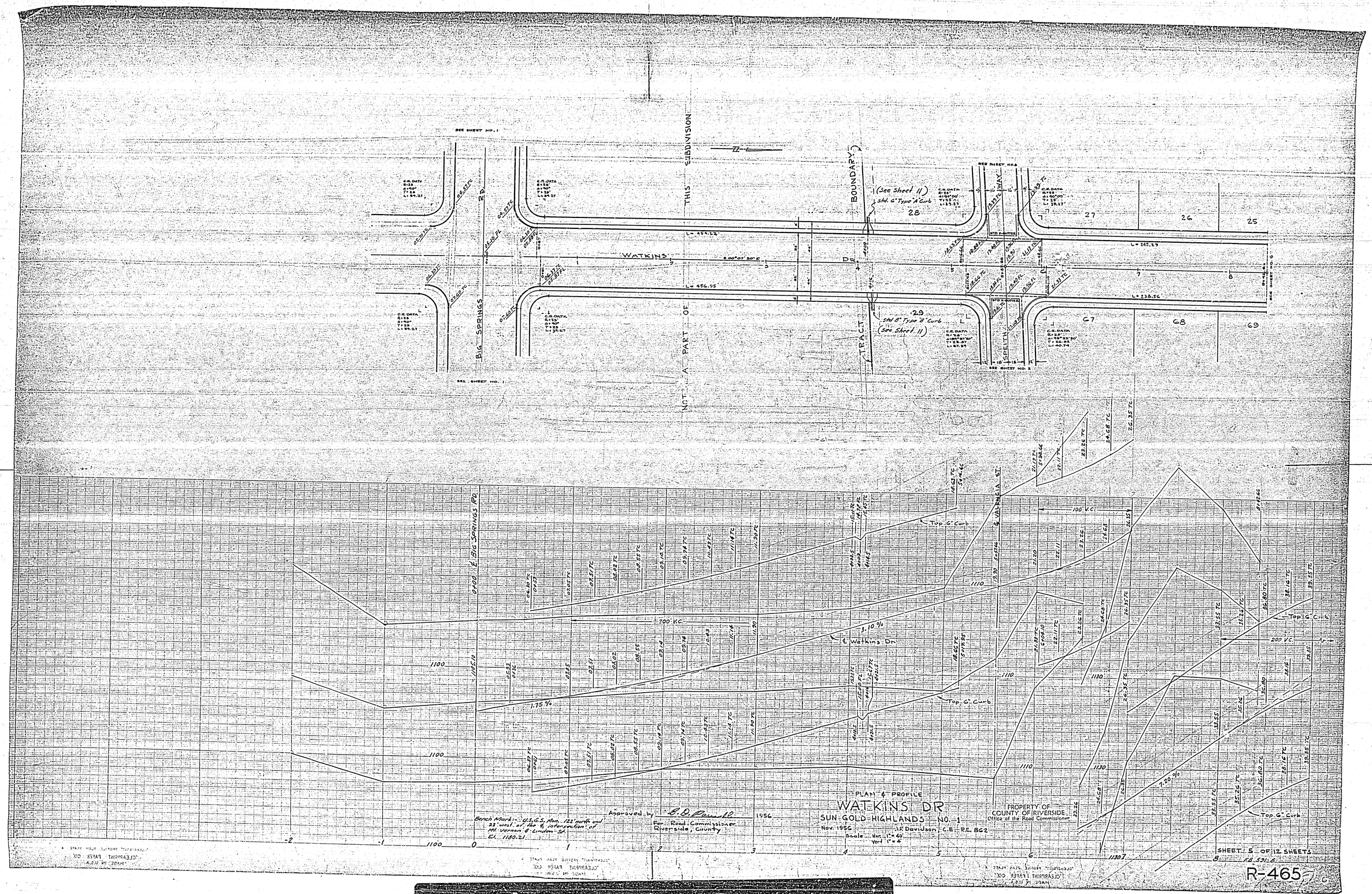
PLAN & PROFILE
MT. VERNON AVENUE
SUN GOLD HIGHLANDS NO. 1
Nov. 1956 J.F. Davidson, C.E. R.E. 862
Scale Hor. 1" = 40' Vert 1" = 4'

PROPERTY OF
COUNTY OF RIVERSIDE
Office of the Road Commissioner

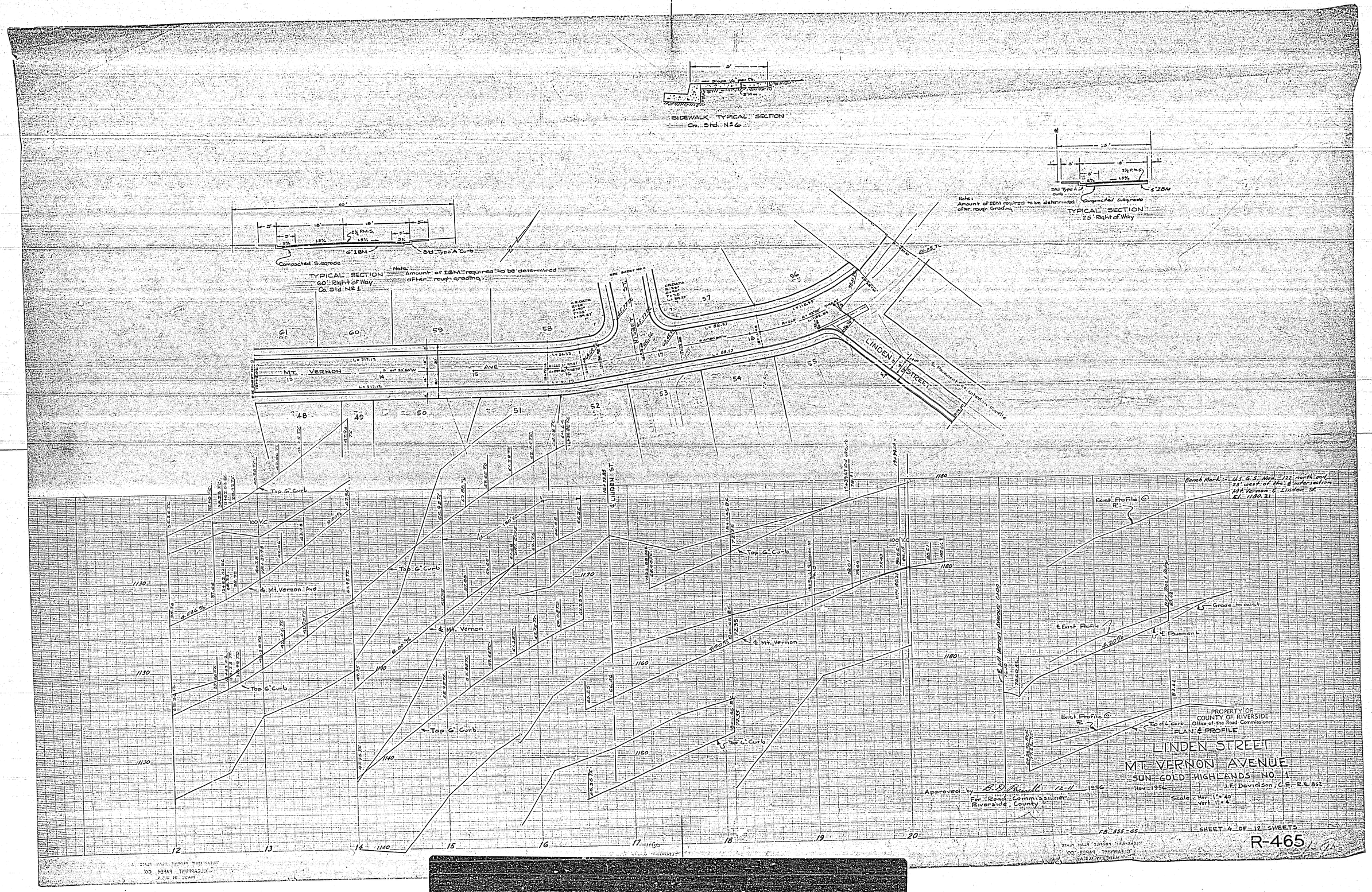
SHEET 3 OF 12 SHEETS

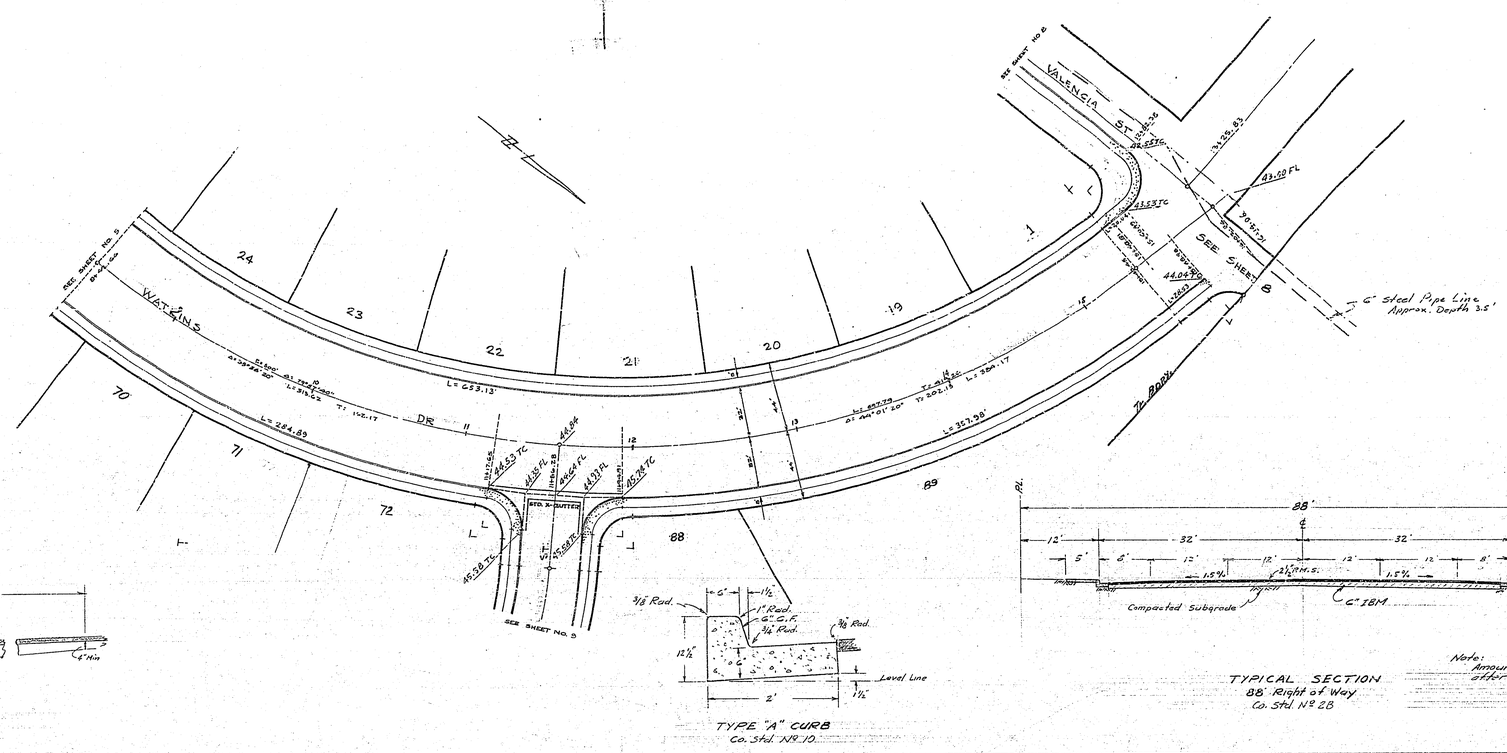
FB 555-65

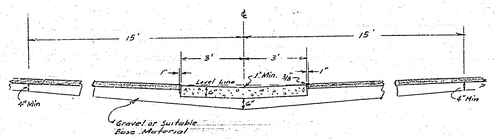
R-465



SEE SHEET NO. 1
BIG SPRINGS RD
THIS SUBDIVISION
NOT A PART OF
TRACT BOUNDARY
WATKINS DR
(See Sheet 11)
Std. 6" Type "A" Curb
Std. 8" Type "B" Curb
(See Sheet 11)
SEE SHEET NO. 2
SEE SHEET NO. 3
SEE SHEET NO. 6
L = 494.22'
L = 456.95'
L = 245.29
L = 238.56
28
27
26
25
29
67
68
69
Top 6" Curb
100' V.C.
200' V.C.
3.10 %
1.75 %
7.20 %
℄ Watkins Dr.
℄ Valencia St.
1100
1110
1130
Bench Mark:- U.S.G.S. Min. 122' north and 23' west of the ℄ intersection of Mt. Vernon & Linden St. El. 1180.21
Approved by B. D. Parnell 1956
For Road Commissioner Riverside, County
PLAN & PROFILE
WATKINS DR
SUN GOLD HIGHLANDS NO. 1
Nov. 1956
J.F. Davidson, C.E. R.E. 862
Scale Hor. 1" = 40' Vert. 1" = 4'
PROPERTY OF COUNTY OF RIVERSIDE
Office of the Road Commissioner
SHEET 5 OF 12 SHEETS
FB 591-6
R-465

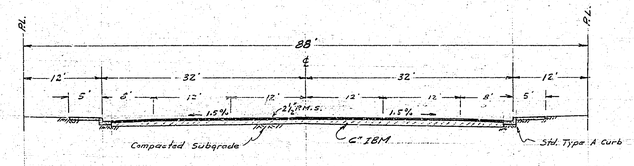

SIDEWALK TYPICAL SECTION
Co. Std. No. 6
TYPICAL SECTION
25' Right of Way
Note: Amount of IBM required to be determined after rough grading
TYPICAL SECTION
60' Right of Way
Co. Std. No. 1
Compacted Subgrade
Std. Type A Curb
MT. VERNON AVE
LINDEN STREET
Top 6" Curb
Mt. Vernon Ave
Mt. Vernon
Exist. Profile
Grade to exist.
Bench Mark - U.S.G.S. Mon. 122' north and 23' west of the ℄ intersection Mt. Vernon & Linden St. El. 1180.21
PROPERTY OF COUNTY OF RIVERSIDE
Office of the Road Commissioner
PLAN & PROFILE
LINDEN STREET
MT. VERNON AVENUE
SUN GOLD HIGHLANDS NO. 1
Nov. 1956
J.F. Davidson, C.E. R.E. 862
Scale: Hor. 1" = 40' Vert. 1" = 4'
Approved by C.D. Russell 12-11 1956
For Road Commissioner
Riverside, County
SHEET 4 OF 12 SHEETS
R-465





CROSS GUTTER
TYPICAL SECTION
Co. Std. Nº 13

TYPE "A" CURB
Co. Std. Nº 10

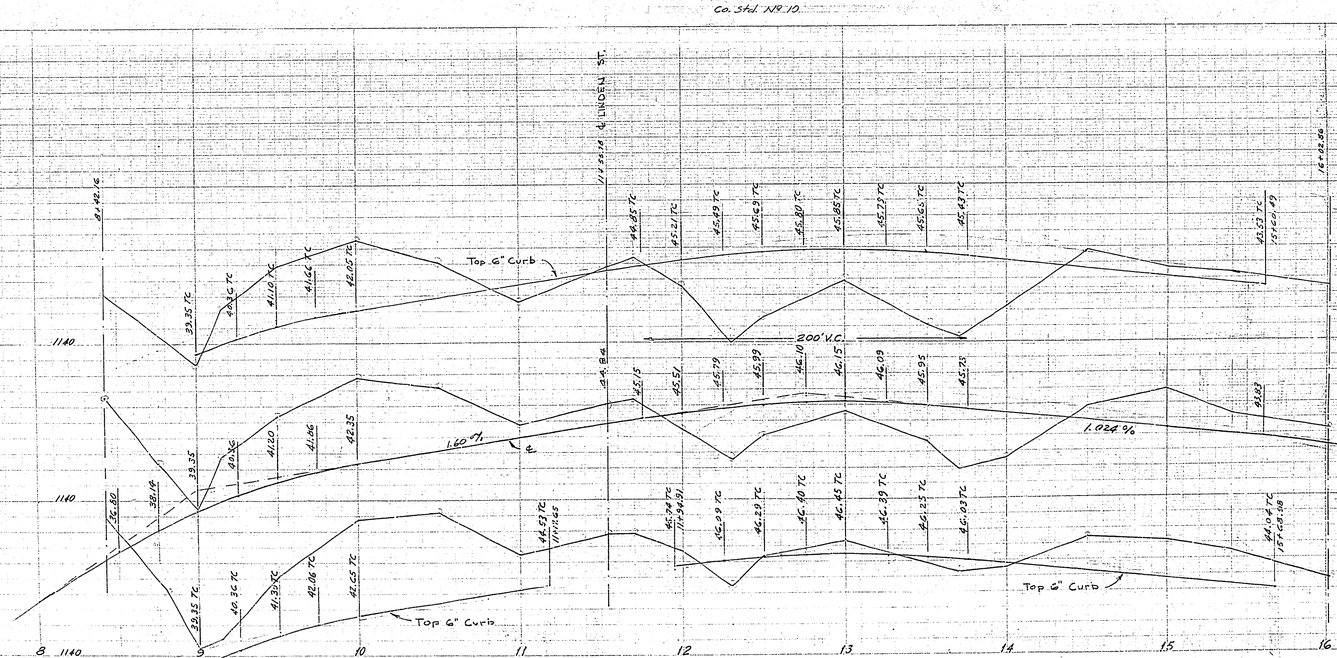


TYPICAL SECTION
88' Right of Way
Co. Std. Nº 2B

Note: Amount of IBM required to be determined after rough grading.

Approved by B. D. Powell 12-11 1956
For Road Commissioner
Riverside County

Bench Mark:- U.S.G.S. Mon. 122 north and 23' west of the ℄ intersection of Mt. Vernon & Lindsay St.
El. 1180.21

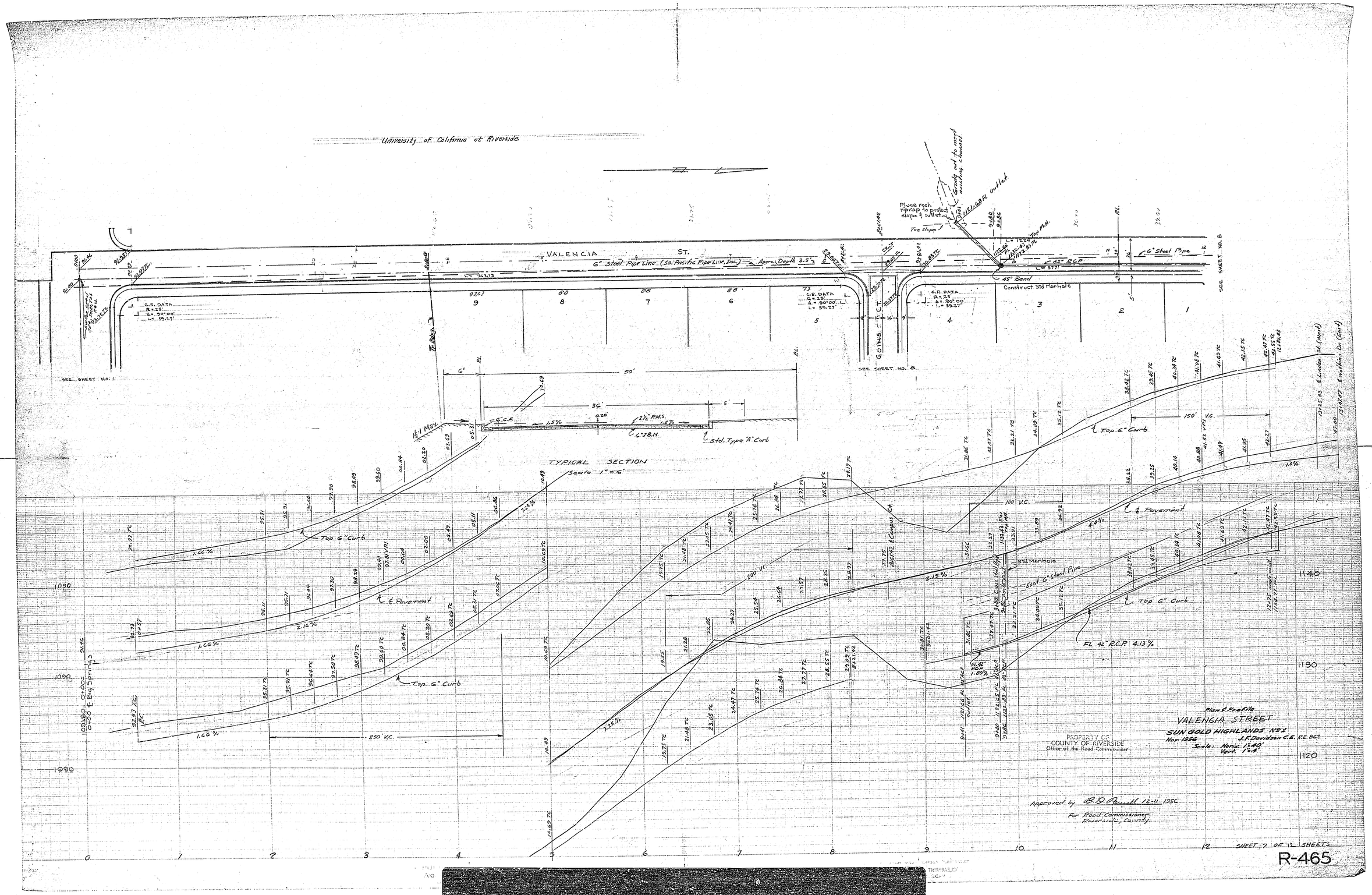


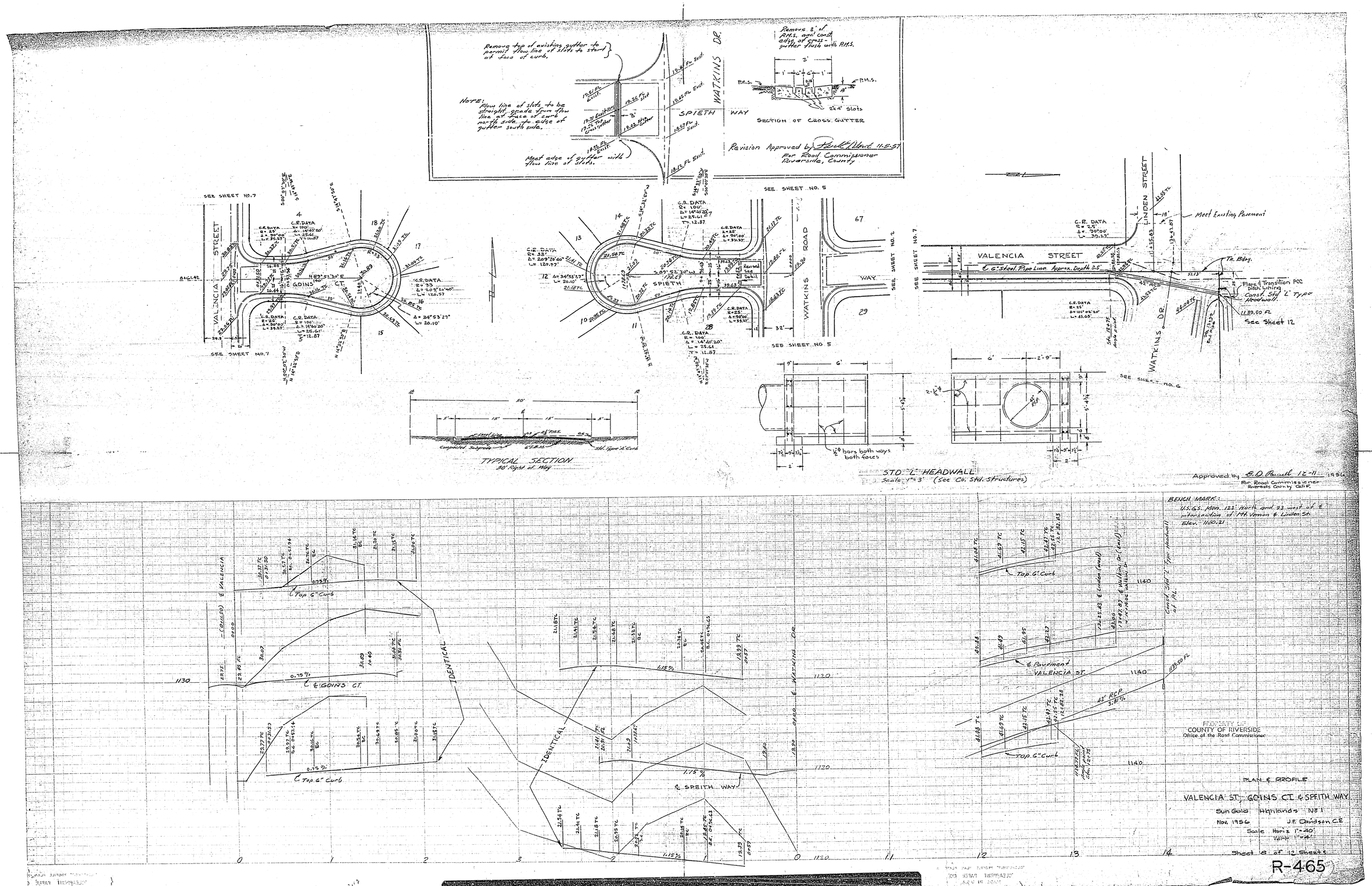
PROPERTY OF
COUNTY OF RIVERSIDE
Office of the Road Commissioner

PLAN & PROFILE
WATKINS DR.
SUN GOLD HIGHLANDS NO. 1
Nov. 1956 J. F. Davidson C.E. R.E. 862
Scale Horz. 1" = 40'
Vert. 1" = 4'

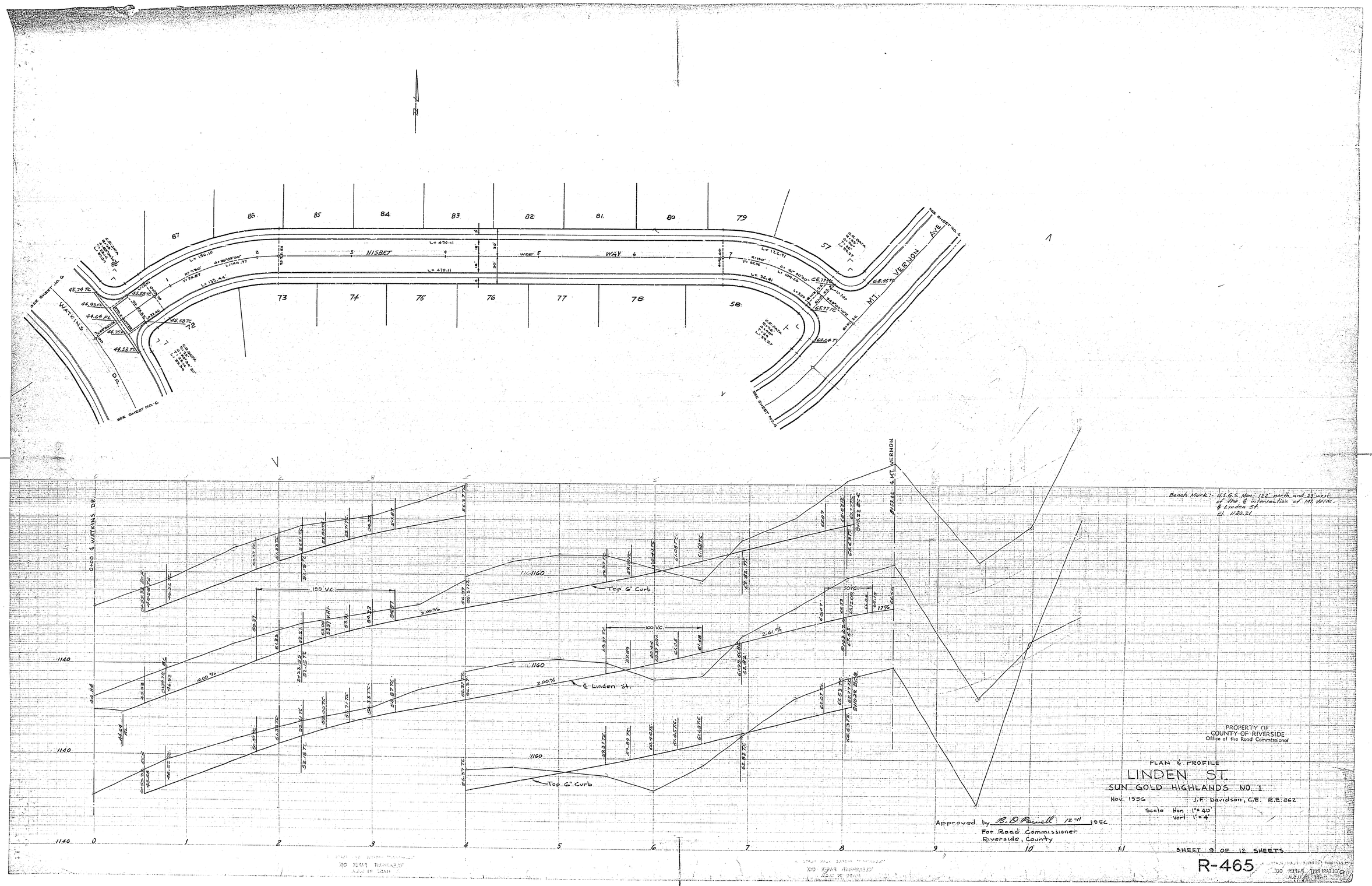
SHEET 6 OF 12 SHEETS

R-465


University of California at Riverside
VALENCIA ST.
6" Steel Pipe Line (So. Pacific Pipe Line, Inc.)
Approx. Depth 3.5'
Place rock riprap to protect slope & outlet
Grade out to meet existing channel
Toe slope
Top M.H.
42" R.C.P.
6" Steel Pipe
45° Bend
Construct Std Manhole
C.R. DATA
R = 25'
Δ = 90°00'
L = 39.27'
SEE SHEET NO. 1
SEE SHEET NO. 8
GOINS CT.
TYPICAL SECTION
Scale 1" = 6'
Std. Type "A" Curb
Top 6" Curb
℄ Pavement
Std Manhole
Exist. 6" Steel Pipe
FL 42" R.C.P. 4.13%
250' V.C.
200' V.C.
150' V.C.
100' V.C.
Plan & Profile
VALENCIA STREET
SUN GOLD HIGHLANDS No 1
Nov. 1956
J.F. Davidson C.E. R.E. 862
Scale: Horiz. 1"=40'
Vert. 1"=4'
PROPERTY OF
COUNTY OF RIVERSIDE
Office of the Road Commissioner
Approved by B.D. Powell 12-11 1956
For Road Commissioner
Riverside, County
SHEET 7 OF 12 SHEETS
R-465



Remove top of existing gutter to permit flow line of slots to start at face of curb.
NOTE: Flow line of slots to be straight grade from flow line at face of curb north side to edge of gutter south side.
Meet edge of gutter with flow line of slots.
WATKINS DR.
SPIETH WAY
Remove 3' of P.M.S. and const. edge of cross-gutter flush with P.M.S.
P.M.S.
2x4" Slots
SECTION OF CROSS GUTTER
Revision Approved by Paul E. Wendt 11-5-57
For Road Commissioner Riverside, County
SEE SHEET NO. 7
VALENCIA STREET
GOINS CT.
SEE SHEET NO. 5
SPIETH WAY
WATKINS ROAD
SEE SHEET NO. 2
LINDEN STREET
Meet Existing Pavement
VALENCIA STREET
6" Steel Pipe Line Approx. Depth 3.5'
Tr. Bdry.
Flare & Transition PCC Ditch Lining
Const. Std. "L" Type Headwall
See Sheet 12
WATKINS DR.
SEE SHEET NO. 6
TYPICAL SECTION
50' Right of Way
Compacted Subgrade
Std. Type 'A' Curb
STD. "L" HEADWALL
Scale 1"=3' (See Co. Std. Structures)
½" ϕ bars both ways both faces
Approved by G.O. Powell 12-11 1956
For Road Commissioner Riverside County Calif.
BENCH MARK:
U.S.G.S. Mon. 122' north and 23 west of ℄ intersection of Mt. Vernon & Linden St.
Elev. 1180.21
Top 6" Curb
℄ VALENCIA
℄ GOINS CT.
IDENTICAL
℄ SPEITH WAY
℄ WATKINS DR.
℄ Pavement VALENCIA ST.
42" RCP
Const. Std. "L" Type Headwall at P.L.
PROPERTY OF COUNTY OF RIVERSIDE
Office of the Road Commissioner
PLAN & PROFILE
VALENCIA ST., GOINS CT. & SPEITH WAY
Sun Gold Highlands No. 1
Nov. 1956
J.F. Davidson C.E.
Scale Horiz. 1"=40'
Vert. 1"=4'
Sheet 8 of 12 Sheets
R-465



PROPERTY OF
COUNTY OF RIVERSIDE
Office of the Road Commissioner

PLAN & PROFILE
LINDEN ST.
SUN GOLD HIGHLANDS NO. 1

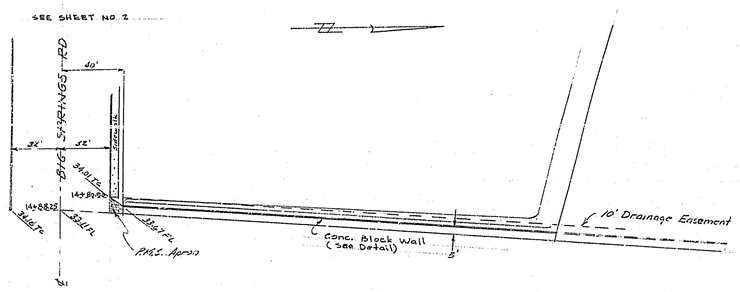
Nov. 1956 J.F. Davidson, C.E. R.E. 862

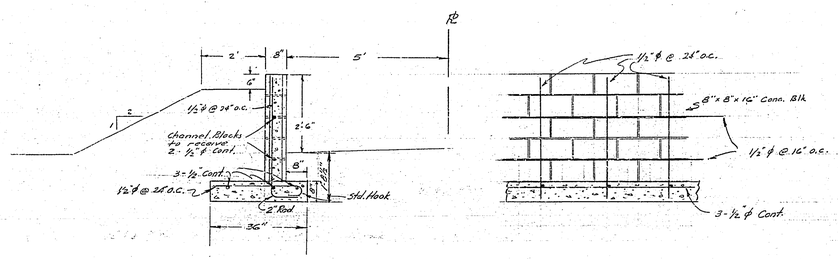
Scale Hor. 1" = 40'
Vert 1" = 4'

Approved by B. D. Powell 12-11 1956
For Road Commissioner
Riverside, County

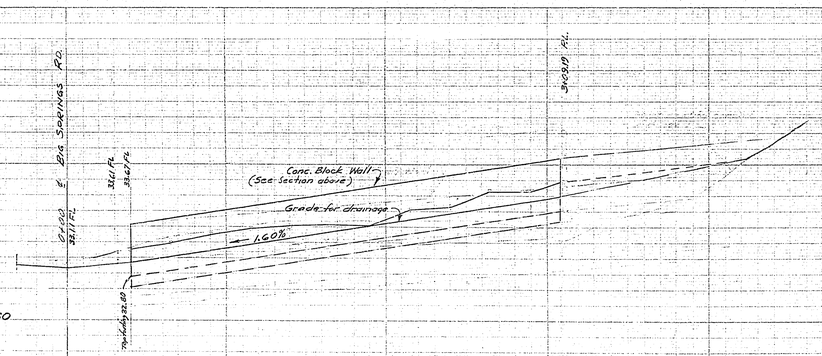
SHEET 9 OF 12 SHEETS

R-465





Retaining Wall



Calculations for Height of Wall
Q = 650 c.f.s. from County Flood Control

A = 104 sq. ft. R = 1.212

n = 0.025

S = 0.016

$V = \frac{1.486}{n}(R)^{2/3}(S)^{1/2} = \frac{1.486}{0.025}(1.212)^{2/3}(0.016)^{1/2} = 8.5'/s$

$Q = VA = 8.5(104) = 884$ c.f.s. > 650 c.f.s.

PLAN & PROFILE

DIKE & WALL FOR DRAINAGE PROTECTION

SUN GOLD HIGHLANDS NO 1

Nov. 1956 J. F. Davidson, C.E. R.E. 862

Scale: Hor 1" = 40'
Vert 1" = 4'

Approved by R. D. Powell 12-11 1956

For Road Commissioner
Riverside, County

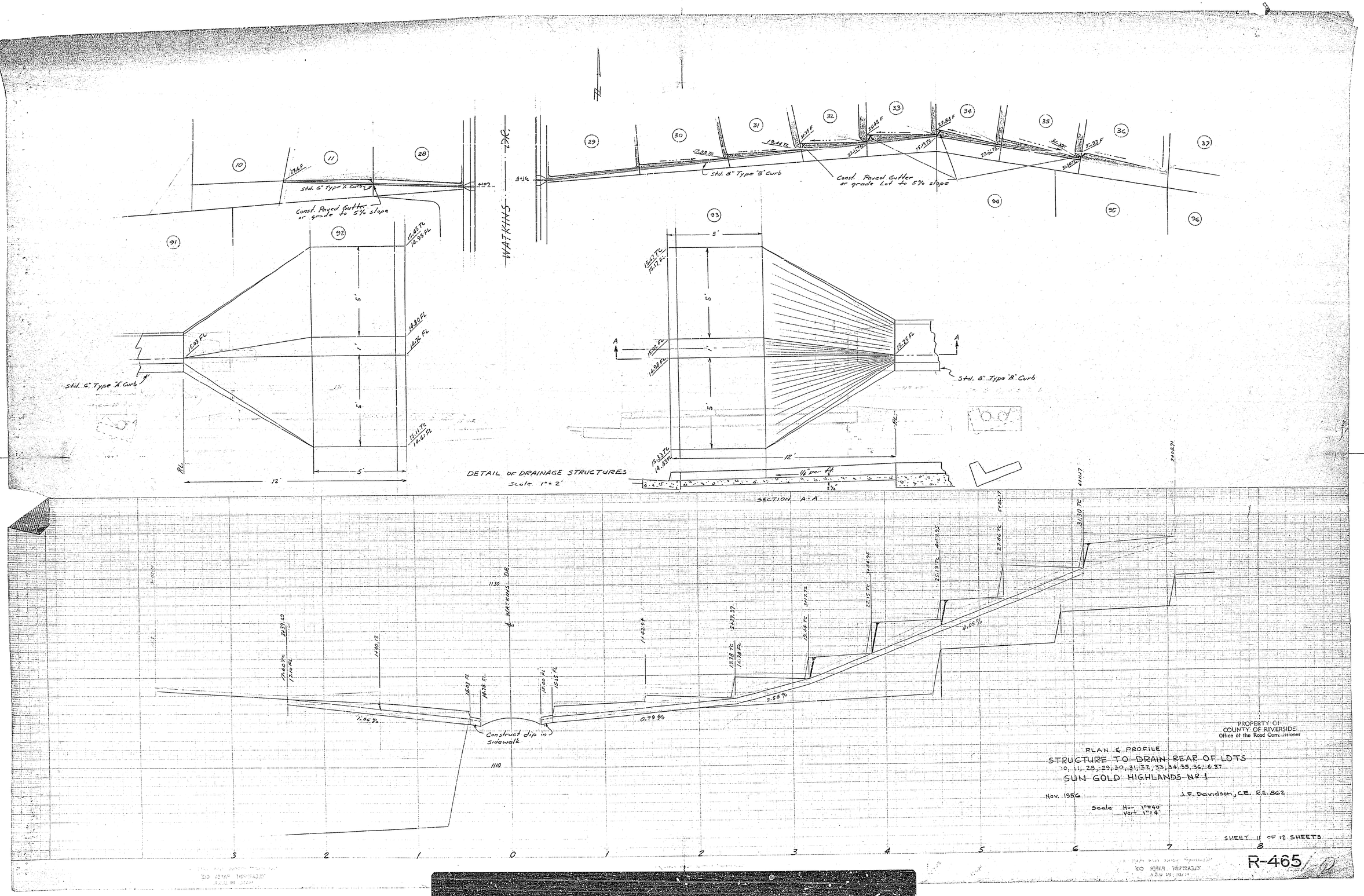
Revisions Approved Paul L. Stout October 29, 1958

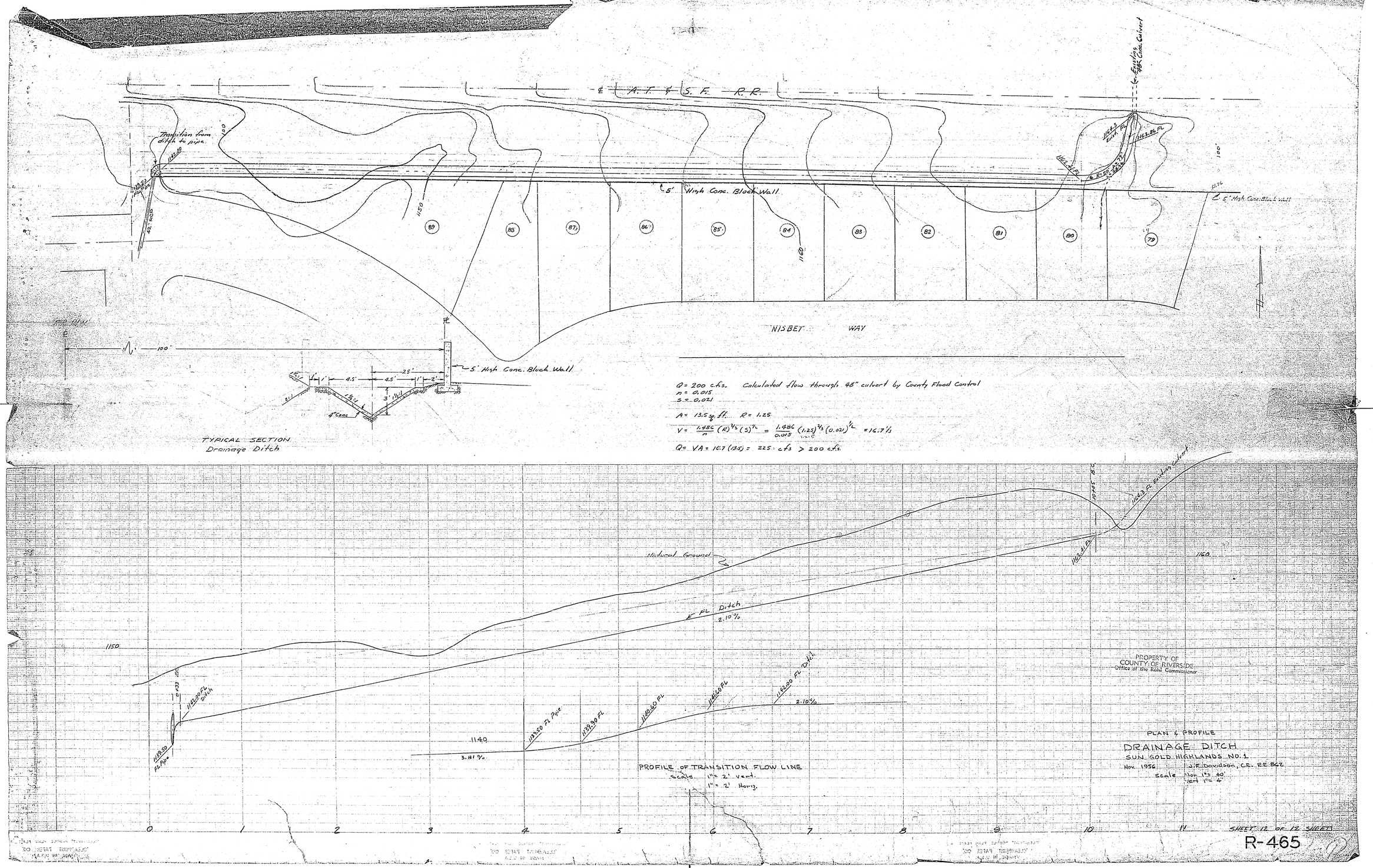
"Approval of these plans by the Riverside County Road Commissioner does not relieve the Engineer of the responsibility for the Engineering Design."

PROPERTY OF
COUNTY OF RIVERSIDE
Office of the Road Commissioner

SHEET 10 OF 12 SHEETS

R-465


WATKINS DR.
Std. 6" Type "A" Curb
Const. Paved Gutter or grade to 5% slope
Std. 8" Type "B" Curb
Const. Paved Gutter or grade Let to 5% slope
DETAIL OF DRAINAGE STRUCTURES
Scale 1" = 2'
SECTION A-A
Construct dip in sidewalk
PROPERTY OF
COUNTY OF RIVERSIDE
Office of the Road Commissioner
PLAN & PROFILE
STRUCTURE TO DRAIN REAR OF LOTS
10, 11, 28, 29, 30, 31, 32, 33, 34, 35, 36 & 37
SUN GOLD HIGHLANDS No 1
Nov. 1956
J.F. Davidson, C.E. R.E. 862
Scale Hor 1" = 40'
Vert 1" = 4'
SHEET 11 OF 12 SHEETS
R-465



Q = 200 c.f.s. Calculated flow through 48" culvert by County Flood Control
n = 0.015
S = 0.021

A = 13.5 sq. ft. R = 1.25

$V = \frac{1.486}{n}(R)^{2/3}(S)^{1/2} = \frac{1.486}{0.015}(1.25)^{2/3}(0.021)^{1/2} = 16.7'/s$

Q = VA = 16.7 (13.5) = 225 cfs > 200 c.f.s.