DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS	FED. HIGH. SYS. NO.	STATE	PROJECT No.	
VIII	RIV.	FAS	702	1	32	2	CAL.	S-702 (1)	155

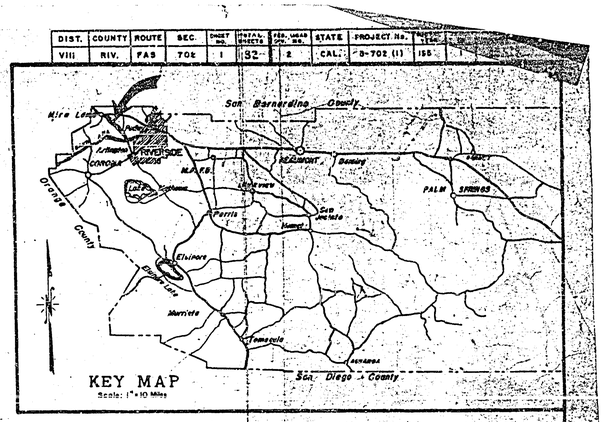
INDEX OF SHEETS

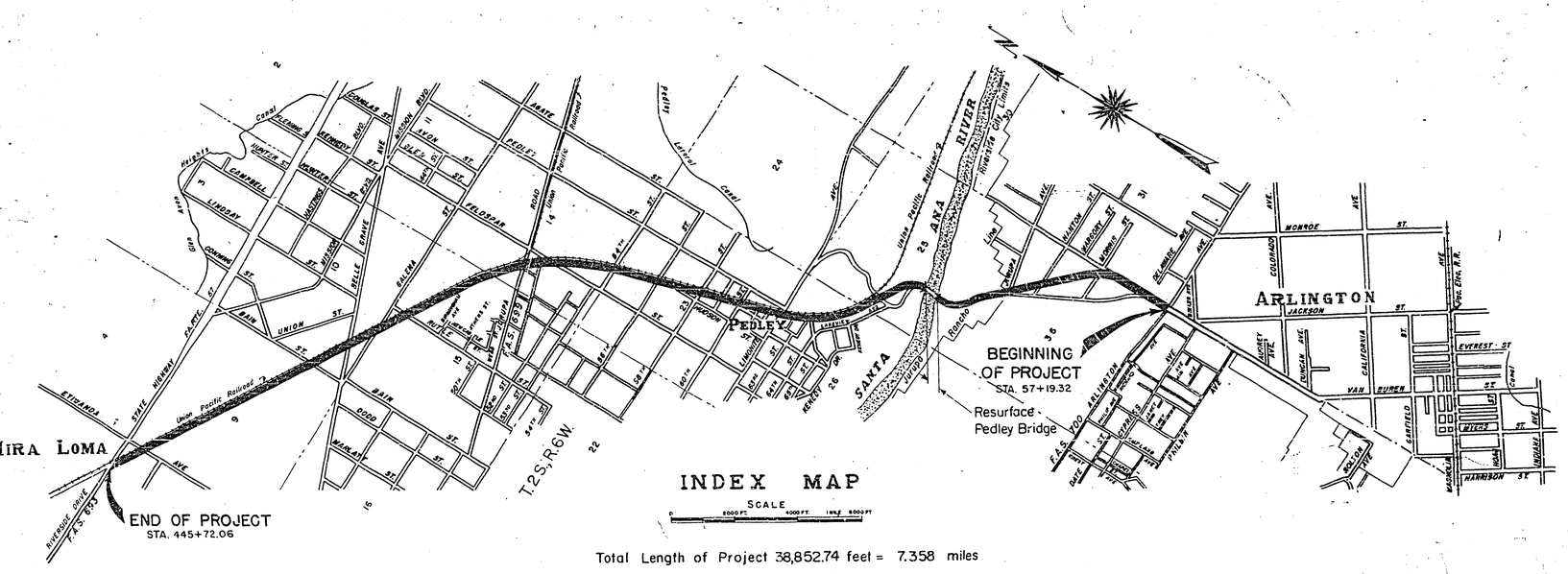
Sheet No. 1 Title Sheet
" " 2 - 3 Typical Sections
" " 4 - 19 Plan And Profile
" " 20 - 23 Intersection Details
" " 24 Miscellaneous Details
" " 25 Culvert List
" " 26 Miscellaneous Quantities
" " 27 - 29 Standard Structures
" " 30 - 32 Standard Box Culverts
" " 1 - 208 Cross Sections
" " 1 - 5 Mass Diagram

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
COUNTY OF RIVERSIDE
PLAN AND PROFILE

FEDERAL AID SECONDARY PROJECT NO. S-702 (1)

ARLINGTON - MIRA LOMA ROAD





Total Length of Project 38,852.74 feet = 7.358 miles

CONVENTIONAL SIGNS

- COUNTY LINE
- CITY OR TOWN LIMITS
- TOWNSHIP LINE
- SECTION LINE — TOWNSHIP — NOTE WHETHER TOWNSHIP SECTION OR GRANT
- GRANT LINE
- FENCE
- GUARD RAIL
- UNFENCED PROPERTY
- RIGHT OF WAY LINE
- BASE OR SURVEY LINE — 320 — 321
- TRAVELED WAY
- RAILROAD TRACKS
- RIGHT OF WAY FENCE
- BANK OR RETAINING WALL
- LEVEE
- CULVERTS
- DROP INLET
- TROLLEY POLE
- POWER POLE
- POWER TOWER
- TELEGRAPH OR TELEPHONE POLE
- MARSH

As Built 4-21-55

COUNTY OF RIVERSIDE

G. C. Keith
COUNTY SURVEYOR
& ROAD COMMISSIONER
CIVIL ENGINEER LICENSE NUMBER 4588

APPROVED BY THE BOARD OF SUPERVISORS
February 15, 1954
BY _____ CHAIRMAN

STATE OF CALIFORNIA

DISTRICT ENGINEER, DISTRICT VIII
APPROVED April 12, 1954

STATE HIGHWAY ENGINEER
CIVIL ENGINEER LICENSE NUMBER

DEPT. OF COMMERCE
BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
DEPT. OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED

DIVISION ENGINEER
DEPT. OF COMMERCE
BUREAU OF PUBLIC ROADS

Dist.	County	Route	Sheet	Total Sheets
8	RIV.	F.A.S. 702	5	32

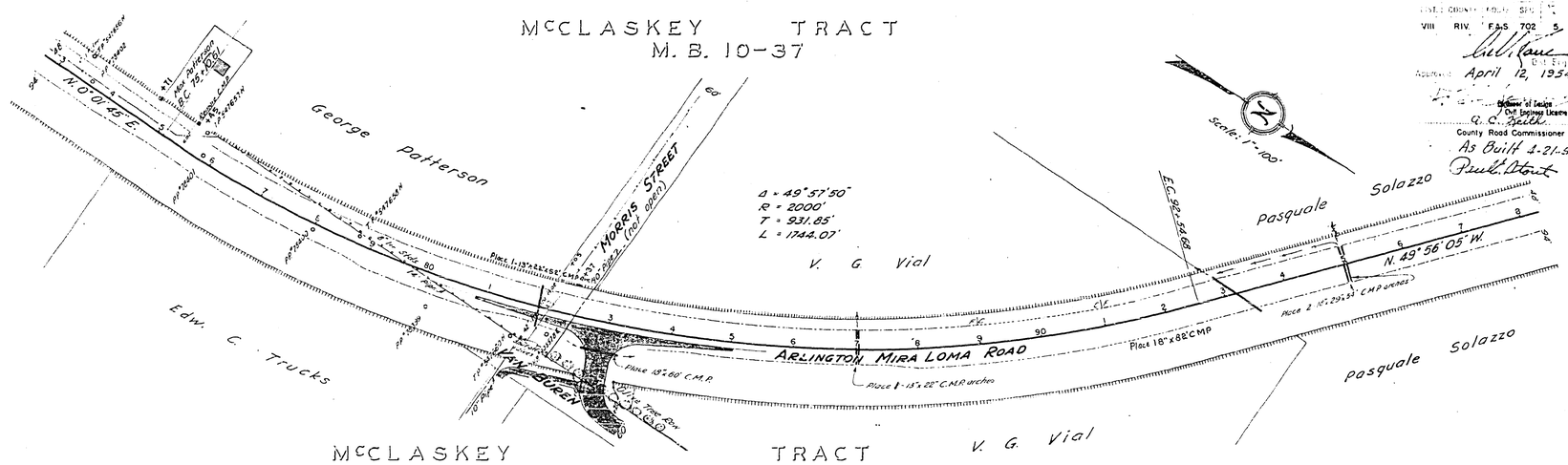
Dist. Eng. Div. VIII

Approved April 12, 1954

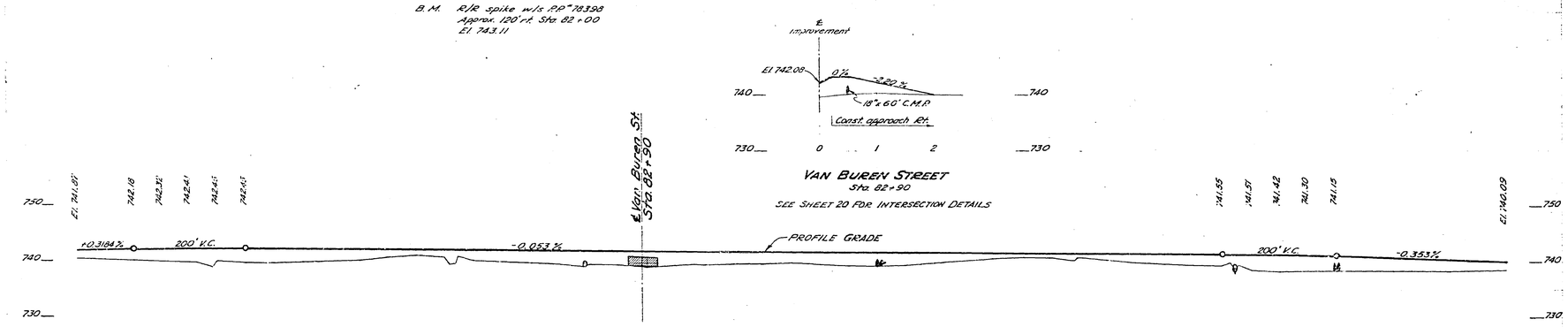
Director of Public Works
Civil Engineer License No. 5471

Q. C. Smith
County Road Commissioner

As Built 1-21-55
Paul Stout



B.M. R/R spike w/s P.P. 78398
Approx. 120' rt. Sta. 82+00
El. 743.11



Sta. 75+47 Lt.
Remove existing culvert.

Sta. 83+00 Rt.
Remove 7 trees as directed.

Sta. 82+90 Rt.
place 9 guide posts as directed.

Sta. 82+90 Rt.
place 2 horizontal reflector units.

Sta. 81+88 Place 13" x 22" x 58' CMP arch; install 2 culvert markers

Sta. 82+90 50' Rt.; place 18" x 60' C.M.P.; install 2 culvert markers; construct driveway approach to Van Buren Street as directed.

Sta. 87+00; place 2 - 13" x 22" x 52' C.M.P. arch; install 2 culvert markers.

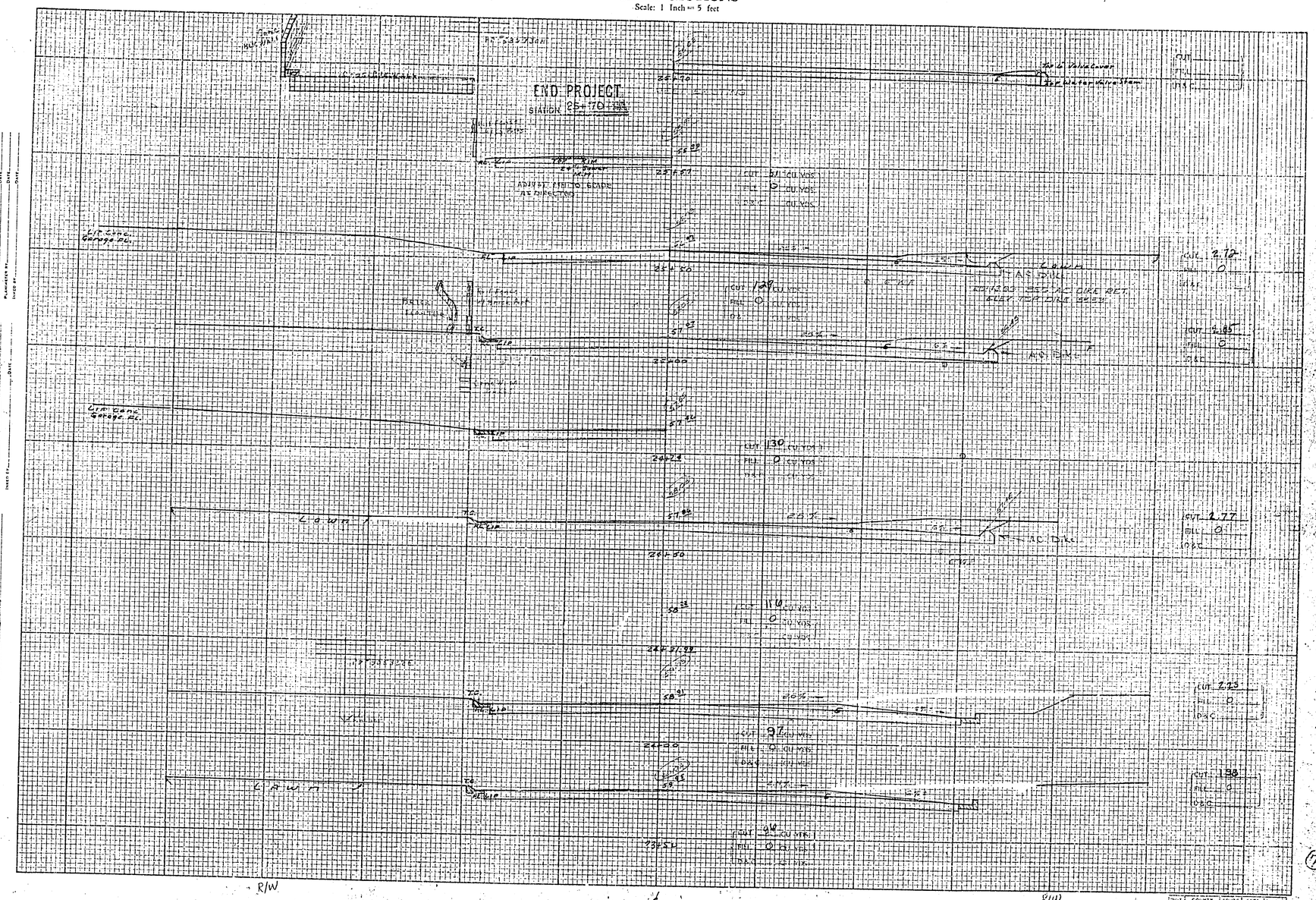
Sta. 93+80; place 13" x 88' CMP; install 2 culvert markers

Sta. 95+00; place 2 - 18" x 29" x 54' C.M.P. arch; install 2 culvert markers.

| | | |

CROSS SECTIONS

Scale: 1 Inch = 5 feet



TEMPLET

PLOTTED BY ____ DATE ____
CHECKED BY ____ DATE ____
PLANIMETER BY ____ DATE ____
INDEX BY ____ DATE ____

GROUND

PLOTTED BY ____ DATE 4-17-40
CHECKED BY ____ DATE ____
INDEX BY ____ DATE ____

SCRIBED BY ____
FIELD BOOK NO. 837

DIST.	COUNTY	ROUTE	SECT.	
	RIV			11

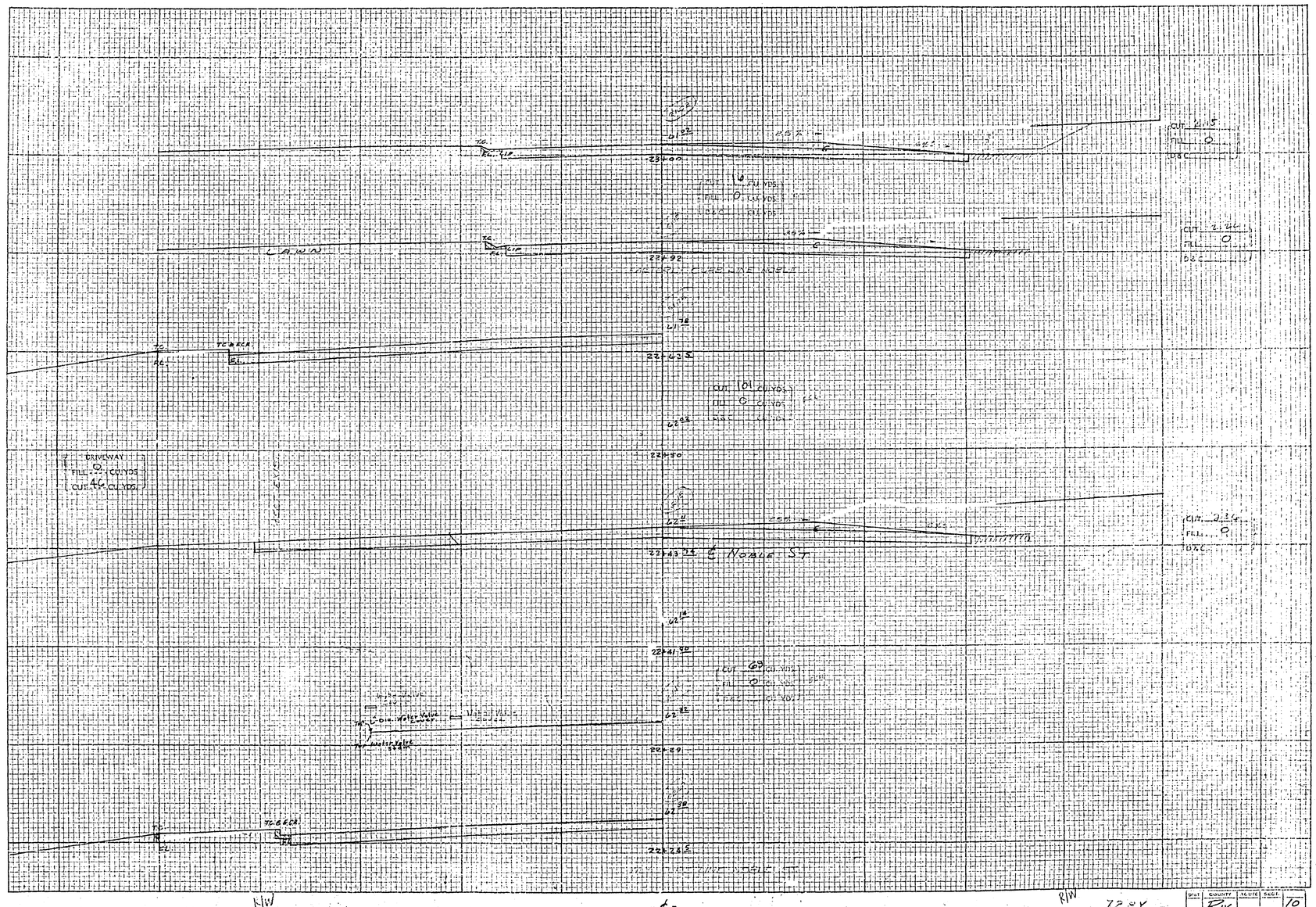
WELLS & HURON -11-

(7)

15

CROSS SECTIONS

Scale: 1 Inch = 5 feet



TEMPLET

PLOTTED BY ____ DATE ____
CHECKED BY ____ DATE ____
PLANIMETER BY ____ DATE ____
TRACE BY ____ DATE ____

GROUND

PLOTTED BY 08 DATE 6/7/60
CHECKED BY ____ DATE ____
INKED BY ____ DATE ____

SURVEYED BY ____
FIELD BOOK NO. 837

DIST	COUNTY	ROUTE	SECT.	
	Riv.			10

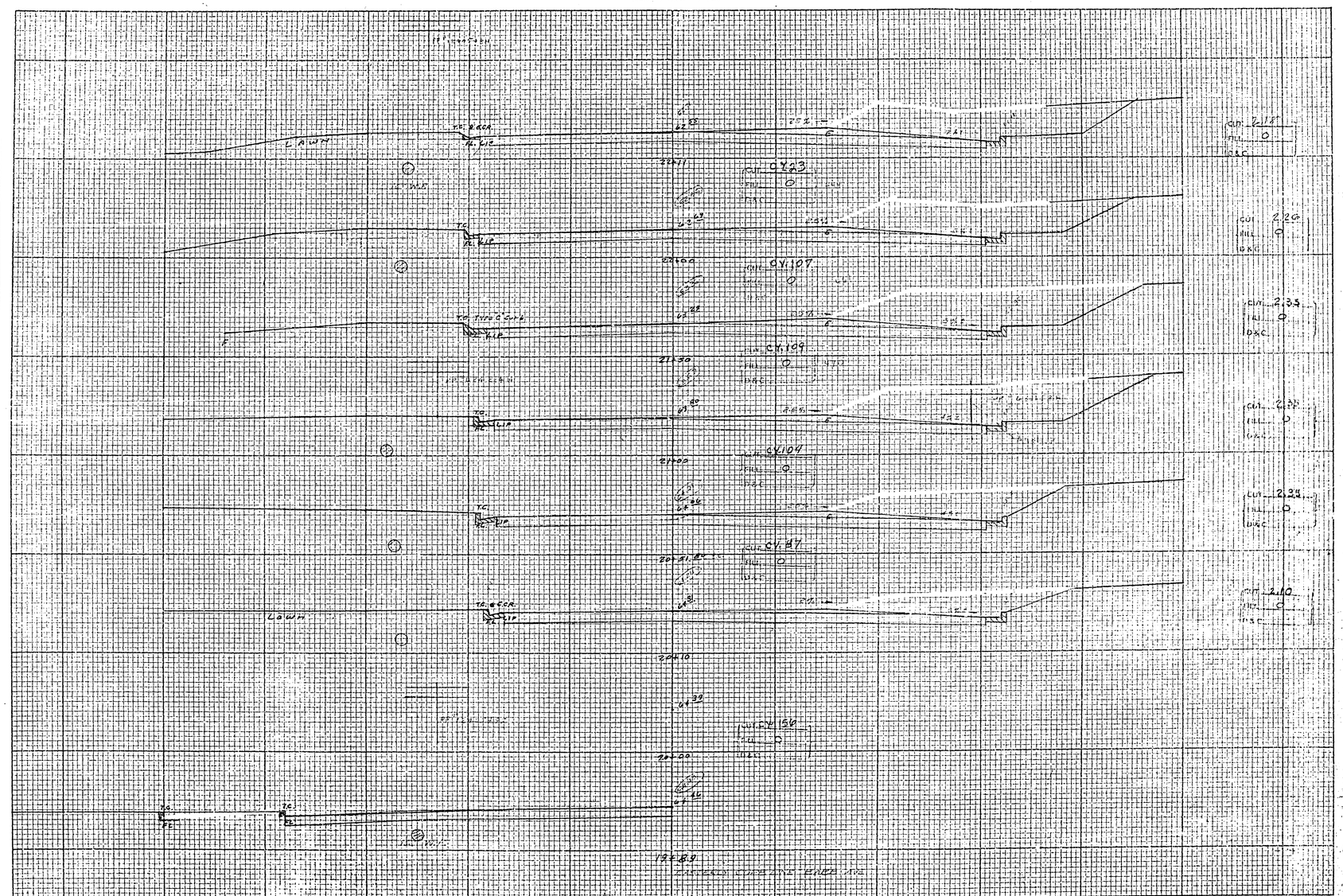
Wells & Huron -10-

6

15

CROSS SECTIONS

Scale: 1 Inch = 5 feet



TEMPLET

PLOTTED BY ____ DATE ____
CHECKED BY ____ DATE ____
PLOTTED BY ____ DATE ____
FIXED BY ____ DATE ____

GROUND

PLOTTED BY ____ DATE 8/17/60
CHECKED BY ____ DATE ____
FIXED BY ____ DATE ____

SURVEYED BY ____ FIELD BOOK NO. 837

R/W

-℄-

R/W

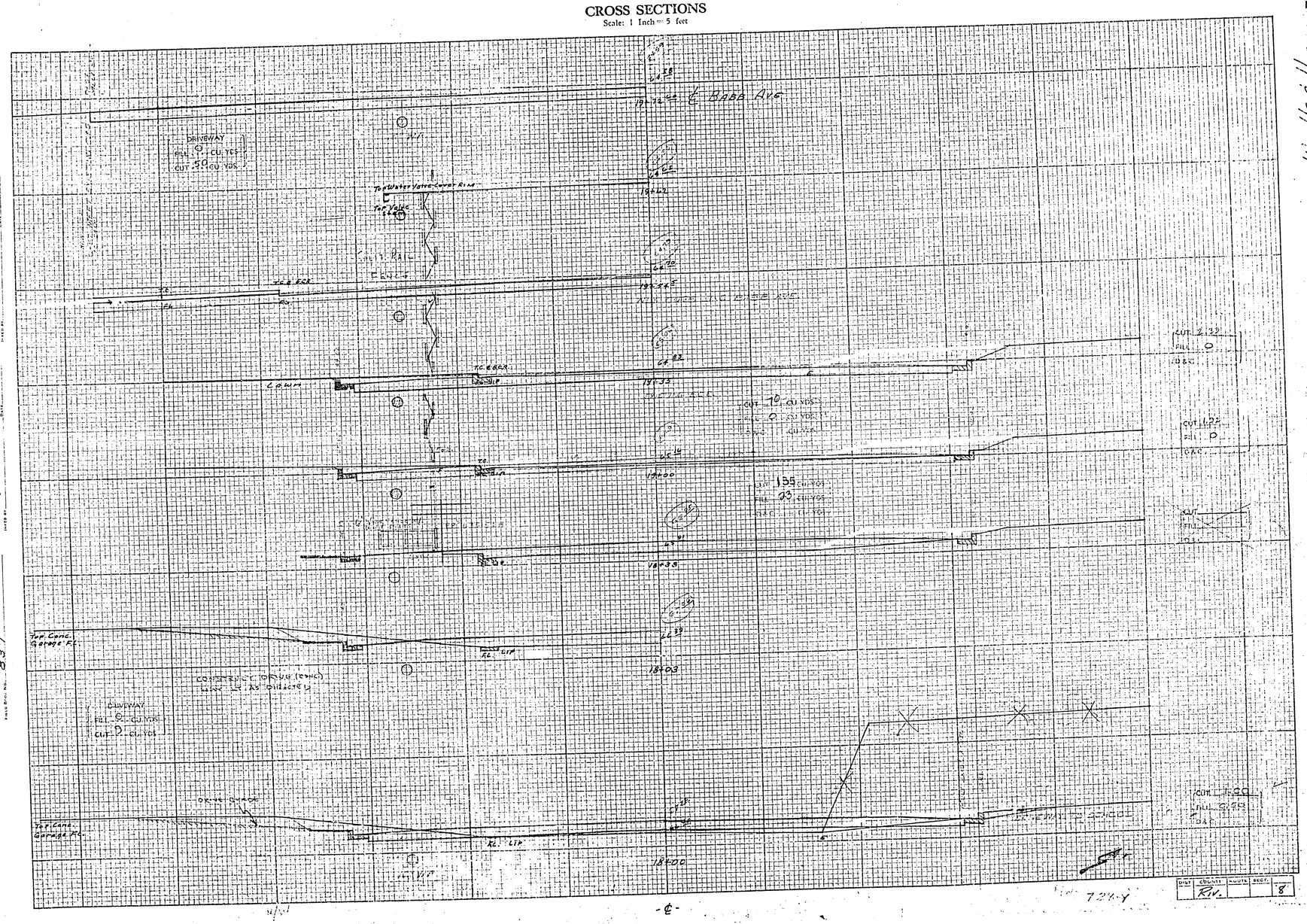
DIST.	COUNTY	ROUTE	SECT.	
	Riv.			9

Wells & Huron - 9.

(5)

CROSS SECTIONS

Scale: 1 Inch = 5 feet



Wells & Huron -8-

(4)

15

TEMPLET DATE

PLOTTED BY DATE

CHECKED BY DATE

PLANIMETER BY DATE

INKED BY DATE

GROUND

PLOTTED BY

CHECKED BY

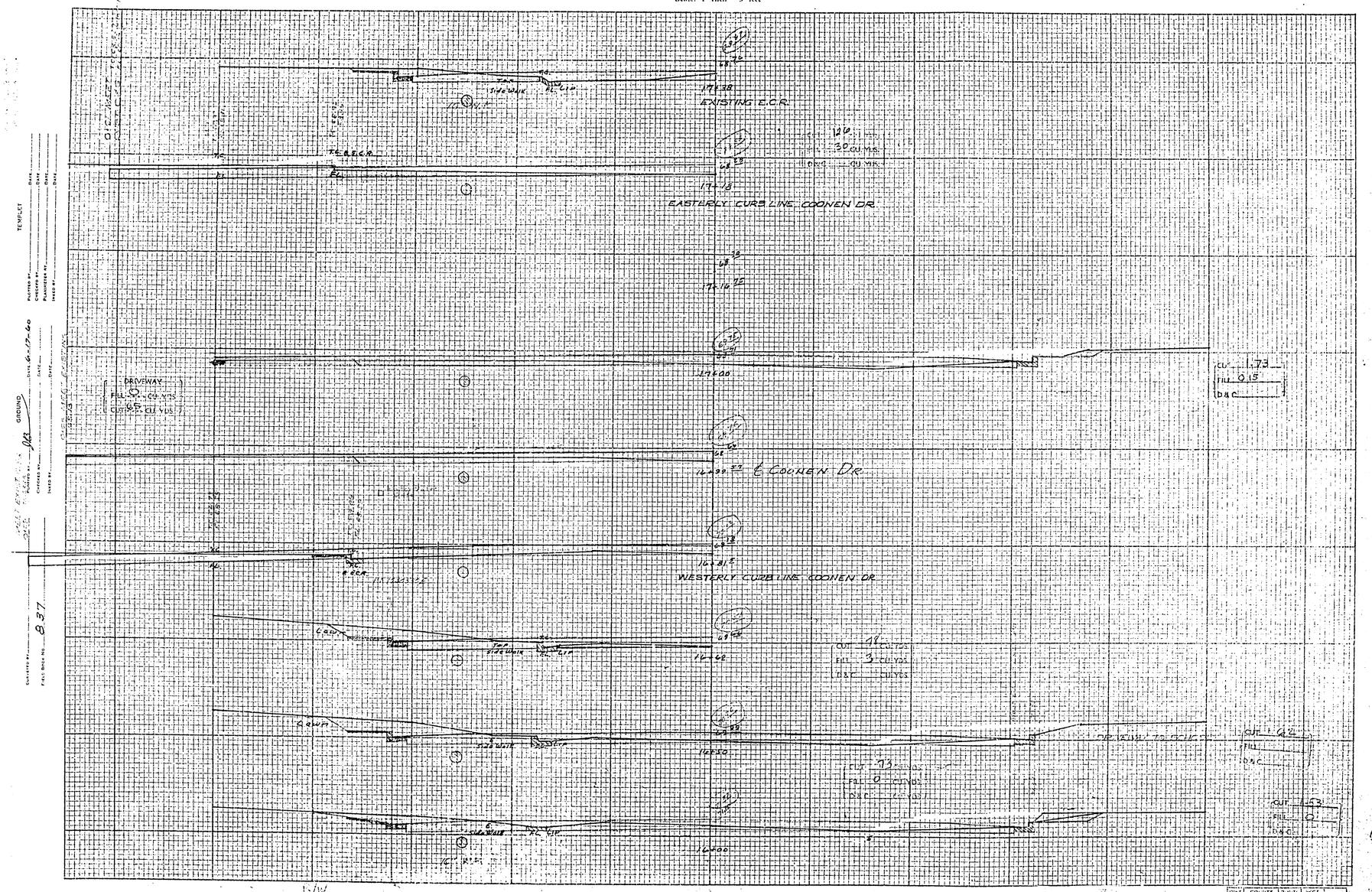
INKED BY

SURVEYED BY

FIELD BOOK NO. 837

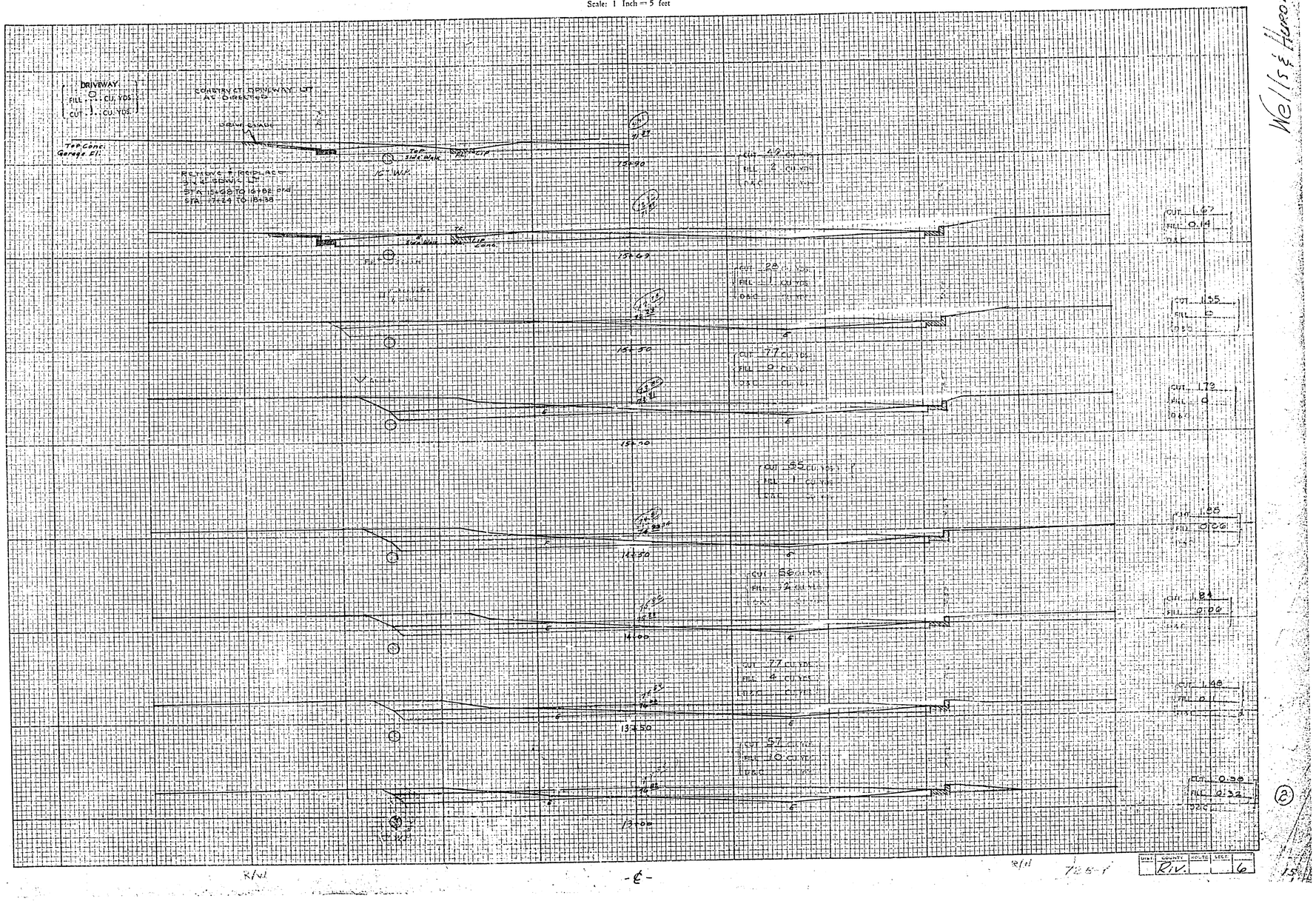
CROSS SECTIONS

Scale: 1 Inch = 5 feet



CROSS SECTIONS

Scale: 1 Inch = 5 feet



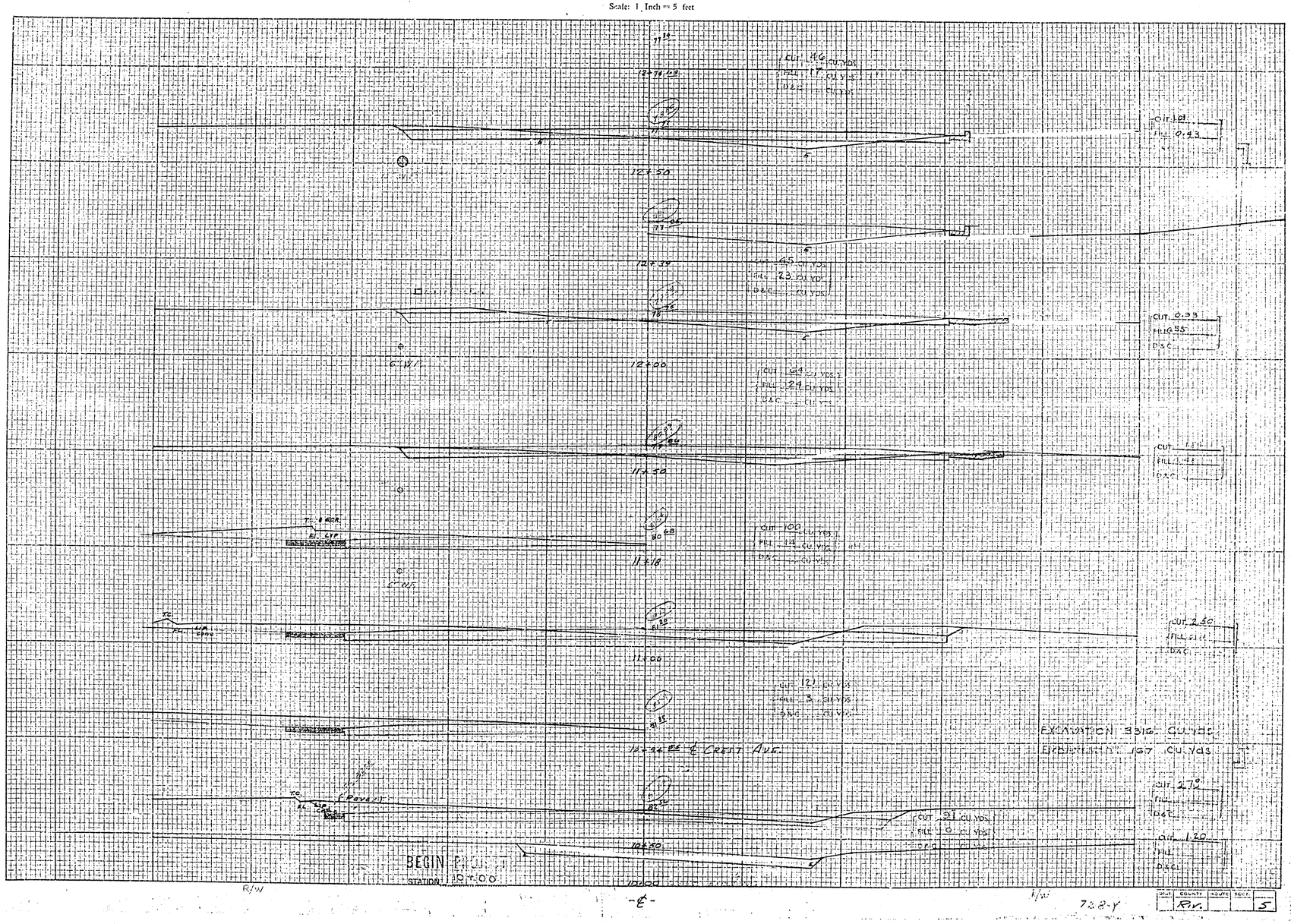
Wells & Huron - 6

2

15

CROSS SECTIONS

Scale: 1 Inch = 5 feet



TEMPLET

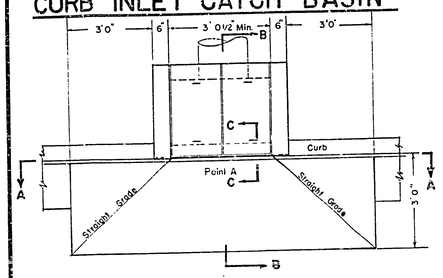
Plotted By ____ Date ____
Chk. By ____ Date ____
Plotted By ____ Date ____
Checked By ____ Date ____
Traced By ____ Date ____

GROUND

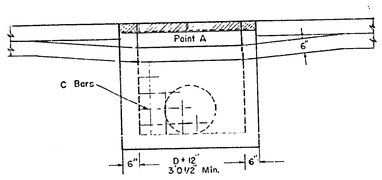
Plotted By ____ Date 8-16-60
Checked By ____ Date ____
Traced By ____ Date ____

Surveyed By ____
Field Book No. 837

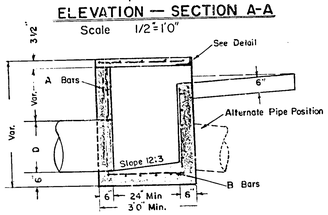
CURB INLET CATCH BASIN



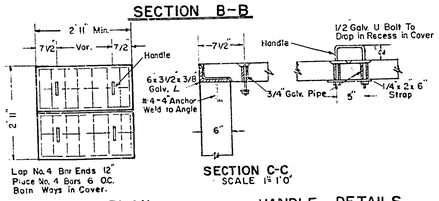
PLAN
Scale 1/2"=1'0"



ELEVATION — SECTION A-A
Scale 1/2"=1'0"



SECTION B-B



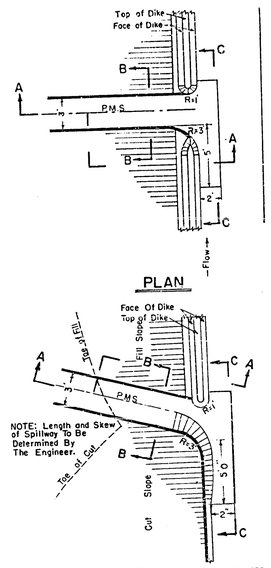
COVER PLAN — SECTION C-C
SCALE 1"=1'0"

HANDLE DETAILS

Drop Inlet Quantities, Inlet Openings Not Deducted Based on Min. Dimensions.
All Reinforcing Bars Shall Be No. 4

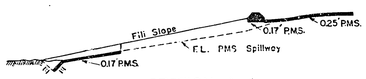
D	A Bars		B Bars		C Bars		Steel	Conc.
	Req'd	Length	Req'd	Length	Req'd	Length	Lbs.	Cu. Yds.
18"	10	3'5"	16	2'9"	12	3'9"	86	0.91
24"	10	4'5"	20	2'9"	15	3'9"	108	1.10
30"	10	4'11"	22	2'9"	16	4'3"	124	1.30
36"	11	5'11"	26	2'9"	18	4'9"	154	1.65

NOTE: D= Nominal Diameter Of Pipe.
Steel In Conc. Cover And Angle Iron Included In Table.
Angle Iron Over End Opening, When Required, To Be Paid. For As Reinforcing Steel.
No. 6 Horiz. Protection Bars Shall Be Used When Curb Face is More Than 12".
Lettered Dimensions Are Variable.
Outlet May Be In Any Direction.
All Exposed Conc. Surfaces Shall Conform in Grade Color And Finish To All Adjoing Curbs And Walks.

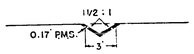


PLAN

P.M.S. SPILLWAYS AT GRADE POINTS
PLAN



SECTION A-A



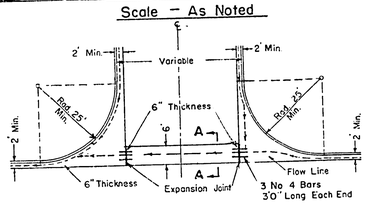
SECTION B-B

SECTION C-C

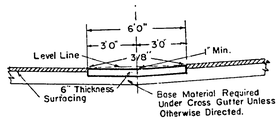
PMS SPILLWAYS

CROSS GUTTER DETAIL

Scale — As Noted



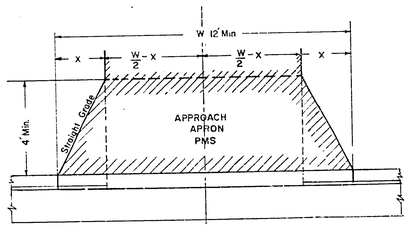
PLAN
Scale - 1"=20'



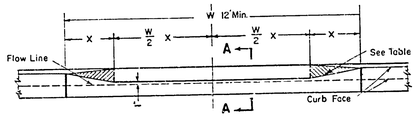
SECTION A-A
Scale 1/4"=1'0"

DEPRESSED CURB FOR DRIVEWAYS

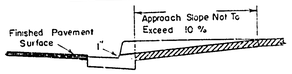
Scale - 3/8"=1'0"



PLAN



FRONT ELEVATION

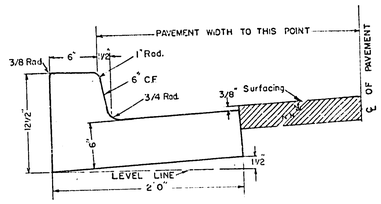


SECTION A-A

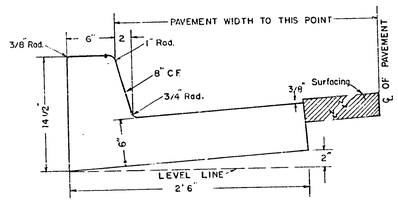
TABLE X DIMENSIONS		
H'T CURB	COMMERCIAL	RESIDENCE
6"	2' 0"	2' 0"
8"	2' 8"	3' 0"
10"	3' 4"	3' 0"
12"	4' 0"	3' 0"

TYPICAL CURB SECTIONS

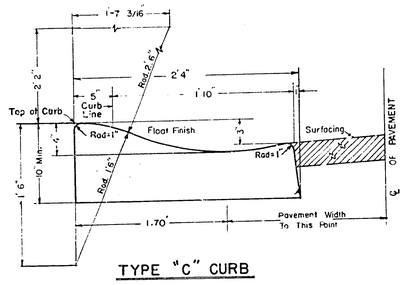
Scale 1 1/2"= 1' 0"



TYPE "A" CURB



TYPE "B" CURB



TYPE "C" CURB

COUNTY OF RIVERSIDE
ROAD DEPARTMENT
RIVERSIDE CALIFORNIA

MISCELLANEOUS CONSTRUCTION DETAILS
SHEET "A"

SCALE AS NOTED — DEC. 1960

County	Route No.	Sheet No.	Total Sheets
S-7020	1954	4	32

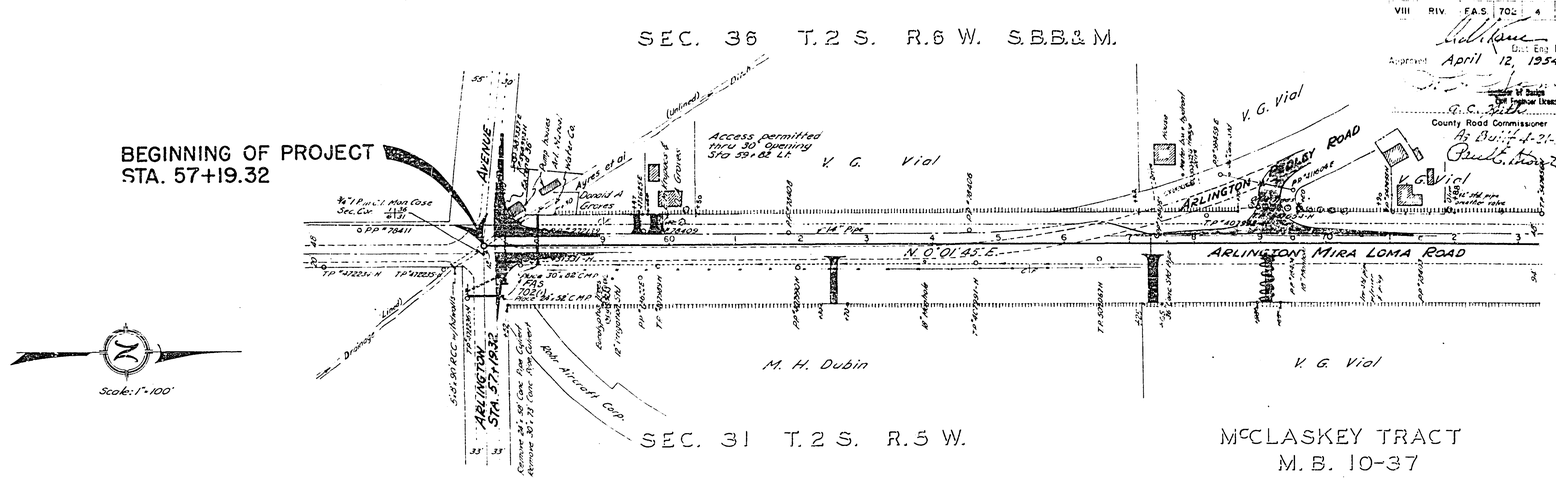
Dist.	County	Route No.	Sheet No.	Total Sheets
VIII	RIV.	F.A.S. 702	4	32

Approved April 12, 1954

Dist. Eng. Dist. VIII

State of California
Civil Engineer License No. 5471

County Road Commissioner

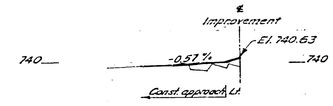


Right of way fence on County property

B.M. U.S. Engrs. brass monument N.W. Corner Arlington Ave. and Van Buren St. El. 737.60

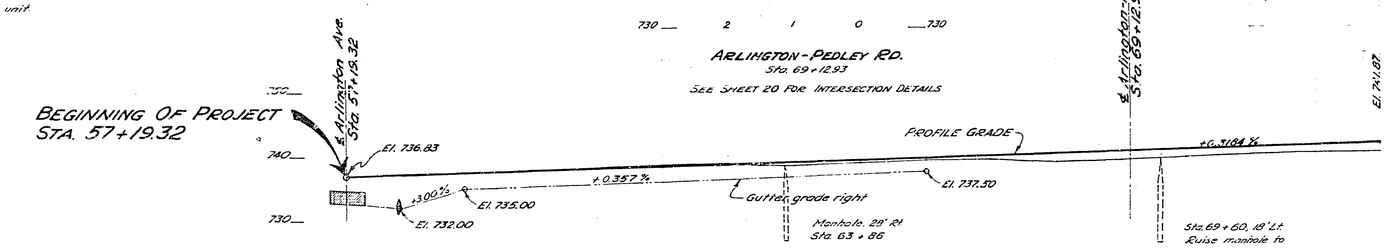
Sta. 58+00 place 5 guide posts as directed.

Sta. 57+50 Rt. place horizontal reflector unit.



ARLINGTON-PEDLEY RD.
Sta. 69+12.93

SEE SHEET 20 FOR INTERSECTION DETAILS



Sta. 59+00 to Sta. 72+80 Remove 24 trees left and right as directed by the Engineer.

Sta. 57+19.32, 77' Rt.; place 24" x 52' C.M.P. side drains; construct lead ditches. Remove 24" x 58' Conc. Pipe Culv. Sta. 57+19.32, 60' Rt.; install 2 culvert markers.

Sta. 57+40, Left Remove R.C.C. wingwalls & headwall north end of box. Extend 8" x 5' R.C.C. 36 ft. Construct wingwalls & headwall. Construct PMS down drains (LT) Sta. 58+00: place 30" x 82' C.M.P.; construct lead ditches. Remove 30" x 73' Conc. Pipe Culv. Sta. 57+50; install 2 culvert markers.

Sta. ~~59+88~~, Left Construct driveway approach.

Sta. 57+50 to Sta. 70+00 Remove existing 18' A.C. pavement as directed by the Engineer.

Sta. 62+50 Rt. construct driveway approach.

Sta. 69+13 Lt. place 11 guide posts as directed.

Sta. 69+13 Lt. place 2 horizontal reflector units.

Sta. 69+13 Rt. construct driveway approach.

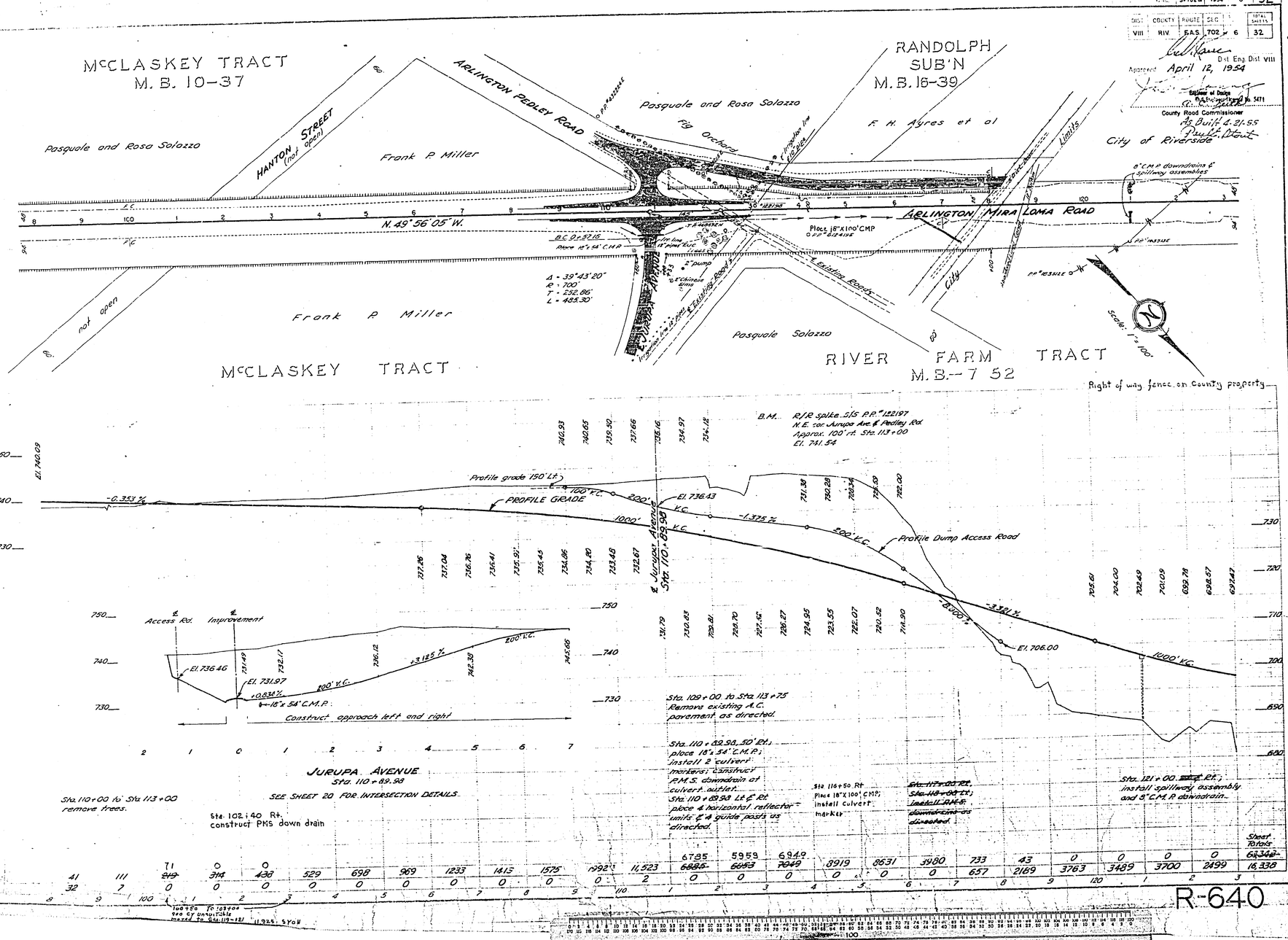
Note: Between Sta. 57+19.32 and Sta. 302+00 embankment quantities do not include selected material.

| | | |

DIST.	COUNTY	ROUTE	SEC.		TOTAL SHEETS
VIII	RIV.	F.A.S.	702	6	32

Approved April 12, 1954
Dist Eng Dist VIII

Engineer of Design
R.A.E. Inspector
County Road Commissioner
As Built 4-21-55
City of Riverside



FED. AID PROJ. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-702(1)	1954	7	32

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV	FAS	702	7	32

Dist. Eng. Dist. VIII

Approved April 12, 1954

Engineer of Design
Div. of Highways

County Road Commissioner

As Built 4-21-55

Thomas L. Cley

RIVER FARM TRACT
M. B. 7-52

SEC. 25 T.2 S. R.6 W.
S. B. B. & M.

JURUPA RANCHO
M. B. 9-33 S.B.CO.

Scale: 1" = 100'

Δ = 63°36'30"
R = 1400'
T = 860.18'
L = 1554.24'

Santa Ana River

Brush & Willows

City of Riverside

Brush & Willows

Brush & Willows

Brush & Willows Development Co.

Existing Pavement

8" C.M.P. downdrain & spillway assembly

8" C.M.P. downdrain & spillway assembly

8" C.M.P. downdrain & spillway assembly

8" C.M.P. down drain & spillway assembly

N. 49°56'05" W.

C. 123+85.67

EC. 136+16.13

Δ = 47°00'
R = 1500.00'
T = 652.22'
L = 1230.46'

N. 2°36'05" W.

90 L.F. M.P. Rail

90 L.F. M.P. Rail

B.C. 143+24.92

Construct ditch

Existing Aspen

New 8" C.M.P. C.V.

Access permitted

Santa Ana River

Thomas L. Cley

SEC. 25 T.2 S. R.6 W. JURUPA RANCHO
M. B. 1-47 S. B. CO.

Right of way fence on County property

B.M. "31" R.R. spike in stub pole 70' Rt. Sta. 120+50 El. 685.81

Sta. 117+50 to Sta. 137+20 place 11 guide posts as directed.

Sta. 115+00 - 135+00 place 11 guide posts

Install 360 L.F. metal plate guard rail both ends of bridge, 180 L.F. each end; place 2 clearance markers.

B.M. "2" 1½" hub w/guard stake 35' Rt. Sta. 145+64 El. 719.62

697.47 696.47 695.57 694.78 694.06 693.46 692.96 692.57 692.27 692.07 691.99 692.00 692.10 692.31 692.62

Resurface Bridge with 2" min. P.M.S. 24' wide.

Paving Notch Sta. 137+22.35 El. 697.86

Paving Notch Sta. 141+52.38 El. 692.24

696.36 696.15 696.21 696.54 697.12 697.99 699.10 700.49 702.14

700 690 680 670

730 720 710 700

1000' V.C.

PROFILE GRADE

+0.725 %

-0.679 %

800' V.C.

PROFILE GRADE

Sta. 124+50 Rt.; install spillway assembly and 8" C.M.P. downdrain.

Sta. 119+00 to Bridge remove brush & trees as directed by the Engineer.

Sta. 128+35 Rt.; install spillway assembly and 8" C.M.P. downdrain.

Sta. 132+50 Rt.; install spillway assembly and 8" C.M.P. downdrain.

Sta. 135+80 Rt. install spillway assembly and 8" CMP down drain

143+80 Sta. ~~143+25~~ 31' rt. place 18.50' C.M.P. under access ramp; construct inlet & outlet ditches.

Construct private road approach @ Sta. 143+25 Rt. 149+80

Sta. 142+00 to Sta. 145+00 construct drainage ditches left & right as directed by the Engineer.

Sta. 148+75 Lt. Construct PMS down drain

| | | |

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-702(1)	1954	8	32

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV	FAS	702	8	32

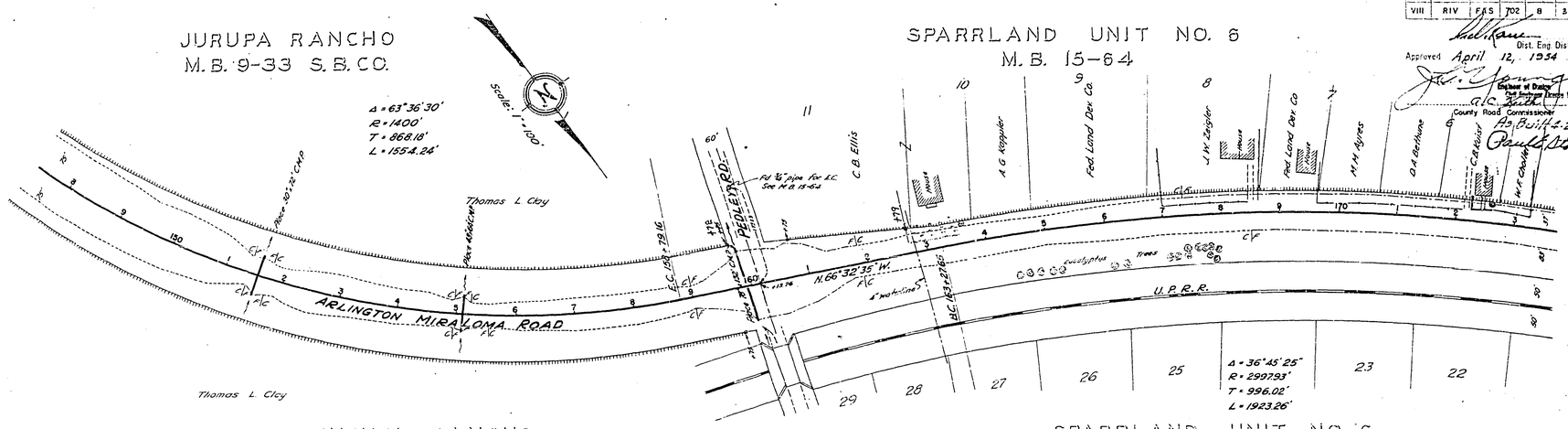
Dist. Eng. Dist. VIII

Approved April 12, 1954

Engineer of Design
Civil Engineer License No. 5471

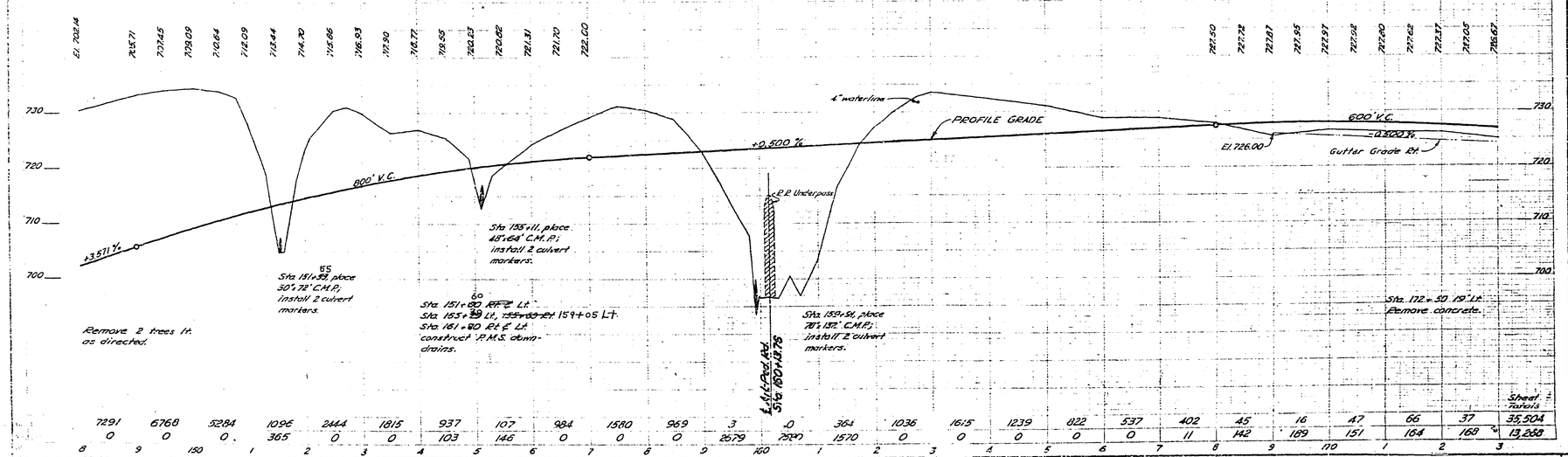
County Road Commissioner

As Built 2-21-55



Right of way fence on County property

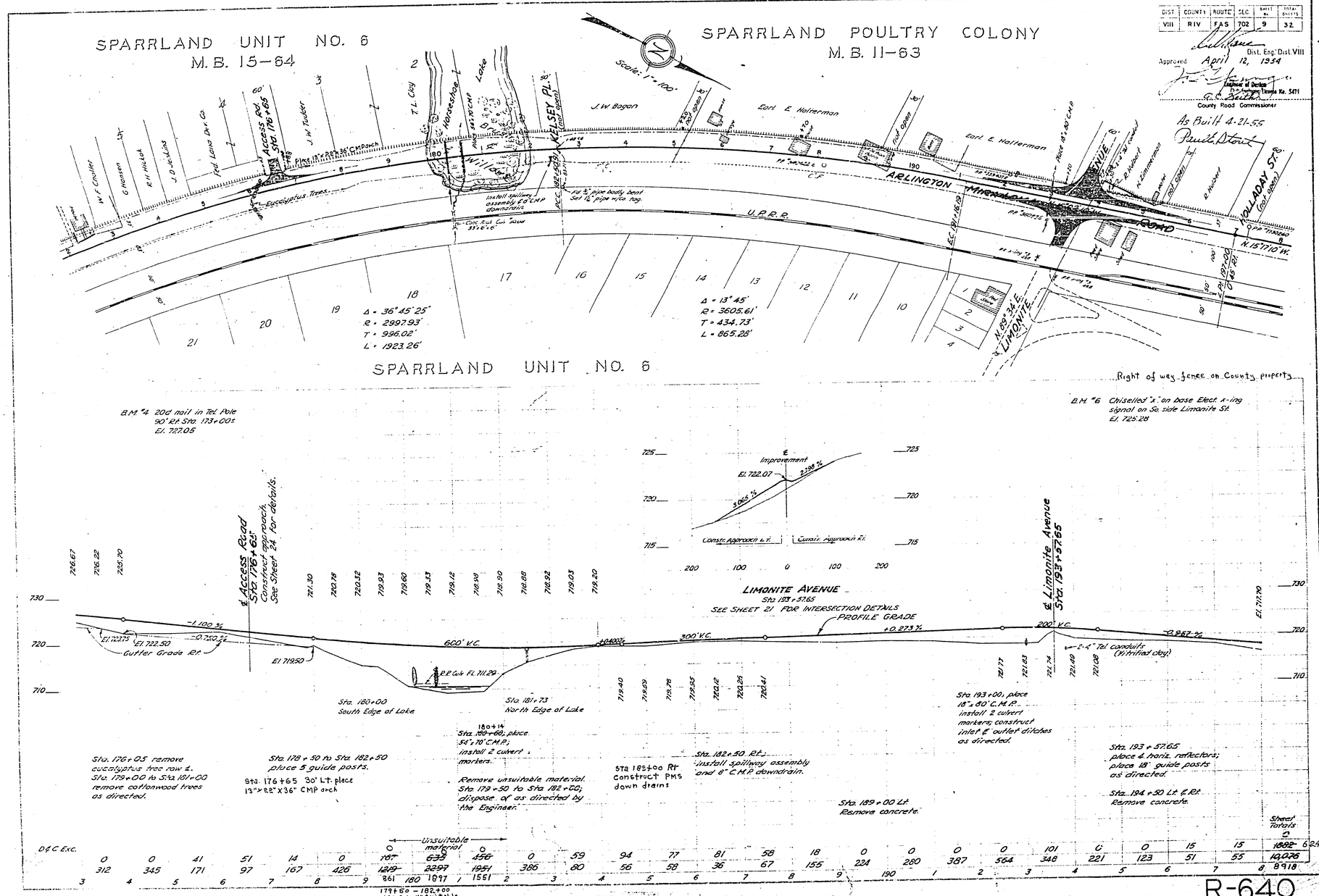
B.M. #3 20d nail in Tel. Pole
100' Rt. Sta. 162+33
El. 731.13



R-640

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL	S-702(1)	1954	9	32

DIST	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV	FAS	702	9	32

Approved April 12, 1954
Dist. Eng. Dist. VIII
Engineer of Design
D.P. Rodriguez Licence No. 5011
G. C. Smith
County Road Commissioner

As Built 4-21-55
Paul L. Stout