FED. RD. DIV. NO.	STATE	STATE PROJECT NO.			SHEET NO.
6	TEXAS	A 1874-2-1			1
STATE DIST. NO.	COUNTY	CONT.	SECT.	JOB	HIGHWAY NO.
11	ANGELINA	1874	2	1	FM 2021

TEXAS HIGHWAY DEPARTMENT 327 4

ANGELINA COUNTY

IPE 61-968

F.M. HIGHWAY NO. 2021

FROM U.S. 59, 0.6 MI. N. OF LUFKIN, EAST, NORTH, & WEST TO U.S. 59 AT REDLAND

STATE **PROJECT NO.** A 1874-2-1

DESIGN SPEED 50 M.P.H.

PLANS OF PROPOSED

GRADING, STRUCTURES, BASE & SURFACING

NET LENGTH 19,639.90 **FT.** = 3.718 **MILES**

Net Length of Roadway 19,539.90 Feet = 3.700 Miles
Net Length of Bridge 100.00 Feet = 0.018 Miles

FINAL PLANS

INDEX OF SHEETS

1	TITLE SHEET
2	TYPICAL SECTIONS
3-4	GENERAL NOTES AND SPECIFICATION DATA
5-8	STRUCTURE SUMMARY
9-10	QUANTITY SUMMARY
11-18	PLAN PROFILE
19-21	HAUL DIAGRAM
22	BRIDGE LAYOUT
23	FS-8-24-25
24	BACKWALL & WINGWALL
25	CP
26	RR-8
27	RIPRAP HEADWALLS
28	BW 61 (1)
29	BW 61 (2)
30	CST 62
31	M-61
32	MXS-63

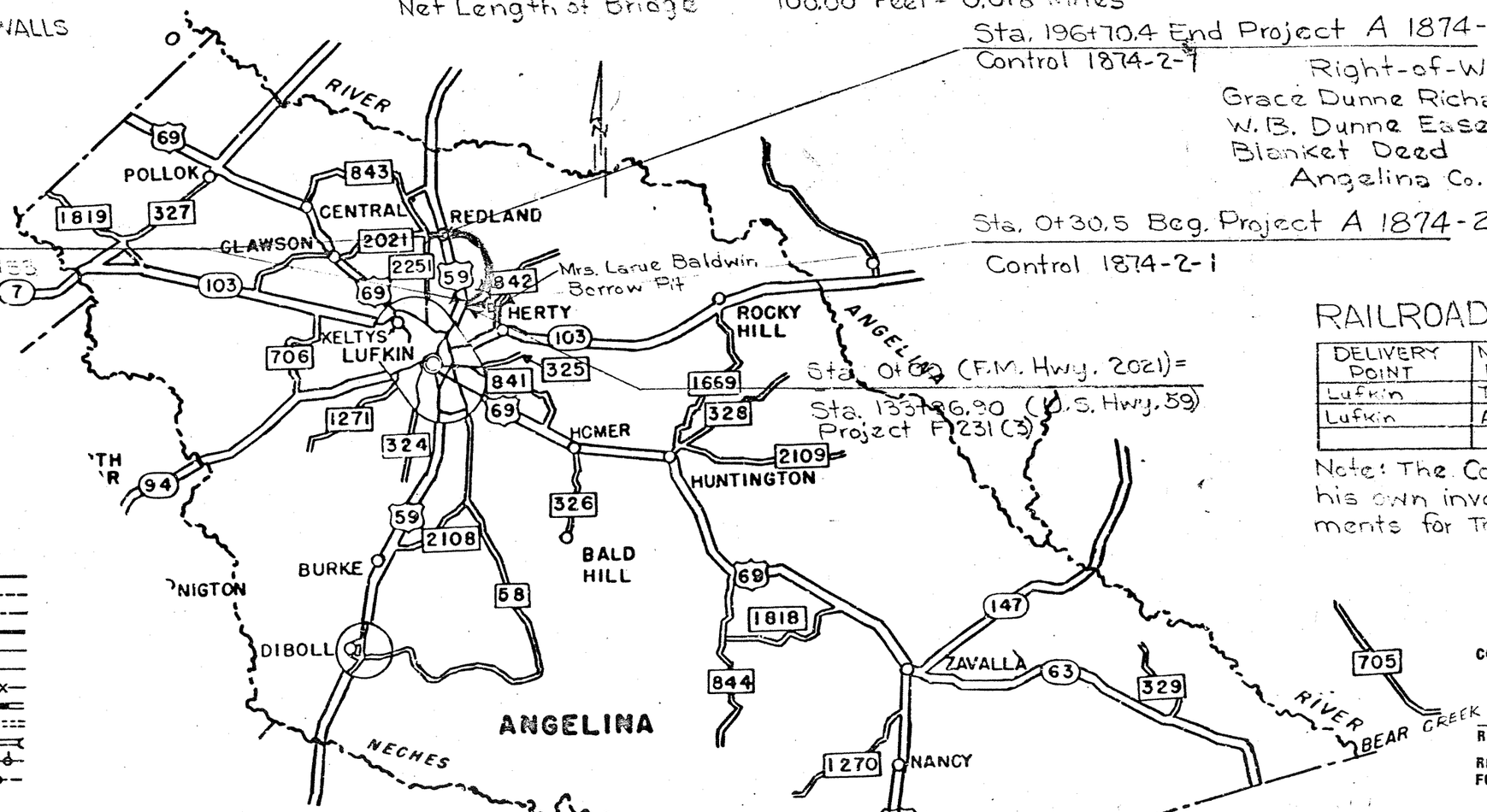
Sta. 196+70.4 End Project A 1874-2-1
Control 1874-2-1

Right-of-Way Deeds
Grace Dunne Richardson & W.B. Dunne Easement Vol. 289 Page 59
Blanket Deed Vol. 289 Page 59
Angelina Co. Deed Records

Sta. 0+30.5 Beg. Project A 1874-2-1
Control 1874-2-1

Cl. "D" Barricades
Signs D-34A, D-35, W-153
D-57 & D-59

Sta. 0+00 (F.M. Hwy. 2021) =
Sta. 135+96.90 (U.S. Hwy. 59)
Project F 231 (3)



RAILROAD DEL. POINTS

DELIVERY POINT	NAME OF RAILROAD	NEAREST STATION
Lufkin	T & NO	0+30.5
Lufkin	A & NR	0+30.5

Note: The Contractor shall make his own investigations and arrangements for Trackage Facilities.

CONVENTIONAL SIGNS

STATE OR NATIONAL LINE
CITY OR VILLAGE LINE
COUNTY LINE
BASE OR SURVEY LINE
RIGHT OF WAY LINE
RIGHT OF WAY MARKERS
FENCE LINE
RAILROAD
TRAVELLED WAY
CULVERT OR BRIDGE
POWER LINE
TELEGRAPH OR TELEPHONE

Standard Specifications adopted by the State Hwy. Dept. of Tex., Jan. 2, 1962, & specification items listed & dated as follows shall govern on this Project: Special Labor Provisions for State Projects adopted August 11, 1948.

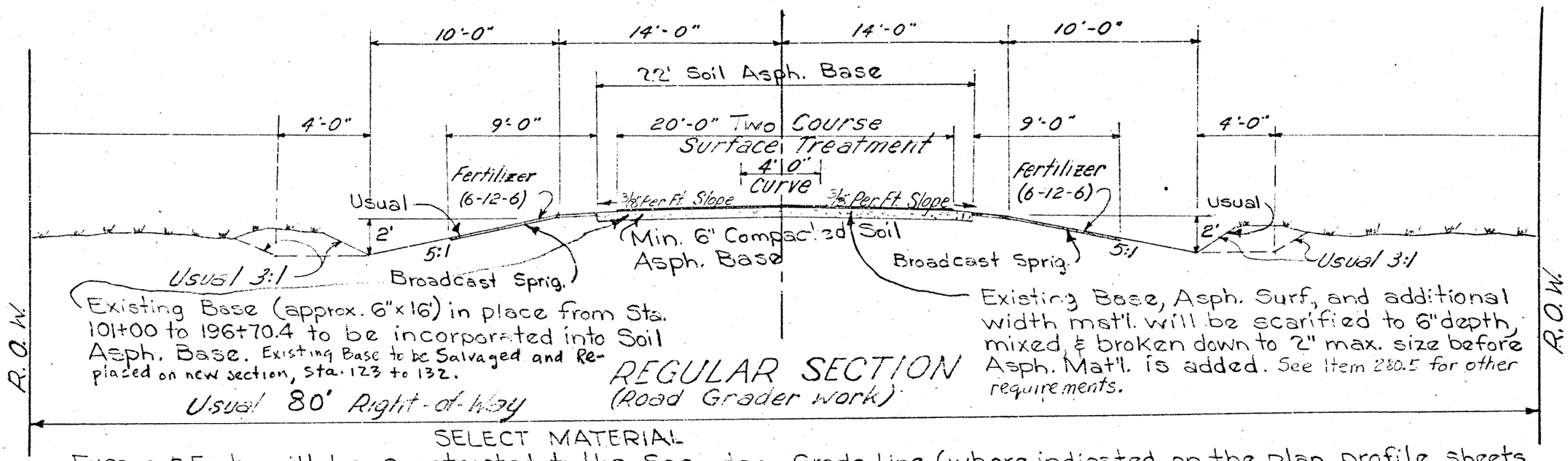
No Equations
No Exceptions
One Railroad Crossing
Sta. 101+09.15 to 101+17.65 = 8.5'

CORRECT: 3-3-64
A.W. Cockrell Jr.
RESIDENT ENGINEER

RECOMMENDED FOR APPROVAL: 3-5-64
DISTRICT ENGINEER

APPROVED: 3-25-64
H. Arno
ENGINEER SECONDARY ROADS

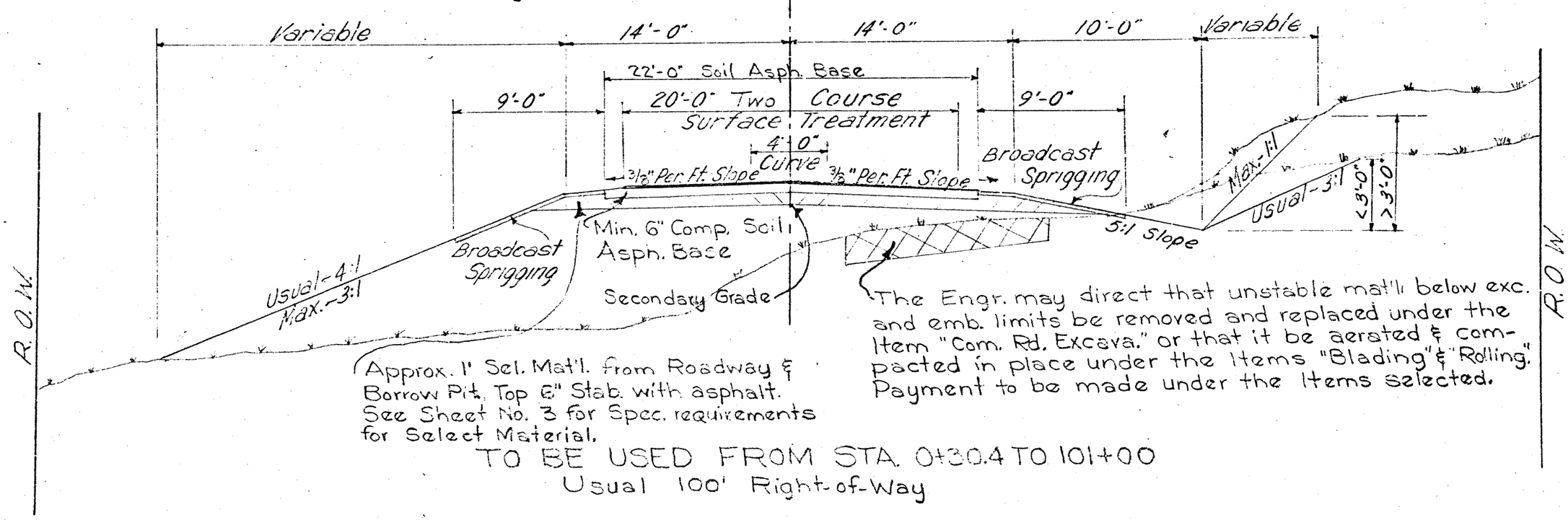
F. R. DIV. 8	TEXAS	A 1874-2-1	SHEET
Angelina COUNTY		F.M. HWY. 2021	CONT. 1874-2



REGULAR SECTION
(Road Grader work)

SELECT MATERIAL

Excava. & Emb. will be constructed to the Secondary Grade Line (where indicated on the plan profile sheets or where directed by the Engr.) in order to receive the sel. mat'l. Undesirable mat'ls., Clay, etc. encountered in the roadway excava. will be placed in emb. below the secondary grade line (one foot below fin. gr.) Sel. Mat'l. will be obtained from the roadway (Sel. Mat'l. Reserve) and Borrow Source.



Approx. 1' Sel. Mat'l. from Roadway & Borrow Pit. Top 6" Stab. with asphalt. See Sheet No. 3 for Spec. requirements for Select Material.

The Engr. may direct that unstable mat'l. below exc. and emb. limits be removed and replaced under the Item "Com. Rd. Excava." or that it be aerated & compacted in place under the Items "Blading" & "Rolling". Payment to be made under the Items selected.

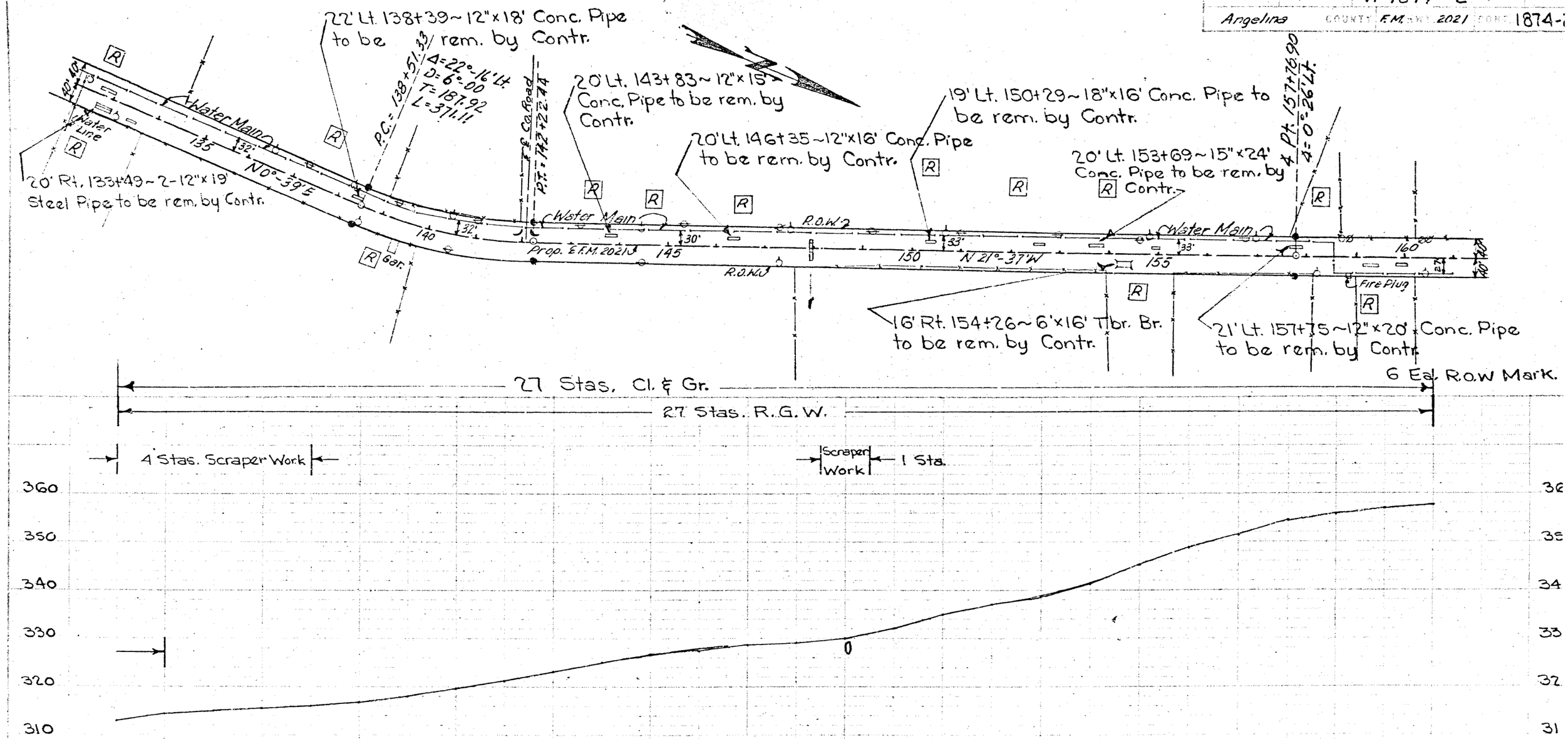
TO BE USED FROM STA. 0+30.4 TO 101+00
Usual 100' Right-of-Way

SIDEHILL & FILL SECTION

SIDEHILL & CUT SECTION

TYPICAL SECTIONS

F.R. DIV. 6	TEXAS	A 1874-2-1	SHEET
Angelina	COUNTY	F.M. HWY. 2021	CONT. 1874-i



Sta. 148+05.5~Ext. exist. 18"x32'-0" Conc. Pipe 4' Upstr. & 8' Downstr. with 18" R.C. Pipe Cl. III to make 44'-0" total length. Provide Cl. "B" Conc. Riprap on outlet channel ℄ F.L. El.=326.70

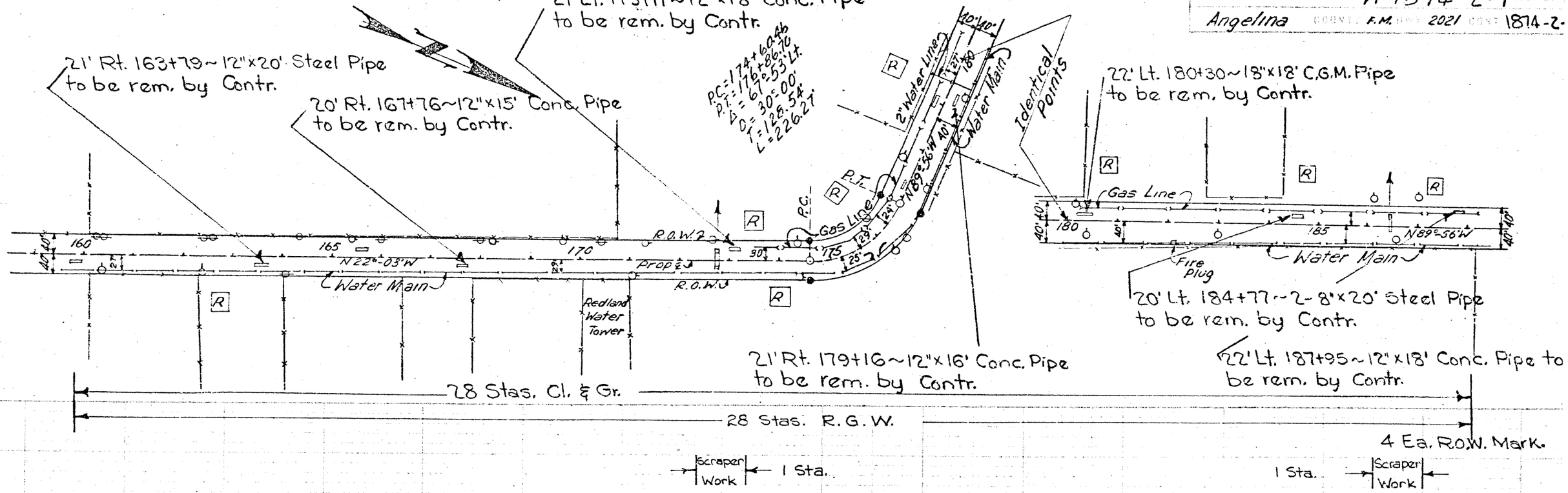
B.M.~Nail in Power Pole 35' Lt. Sta. 136+50 Elev. 317.17

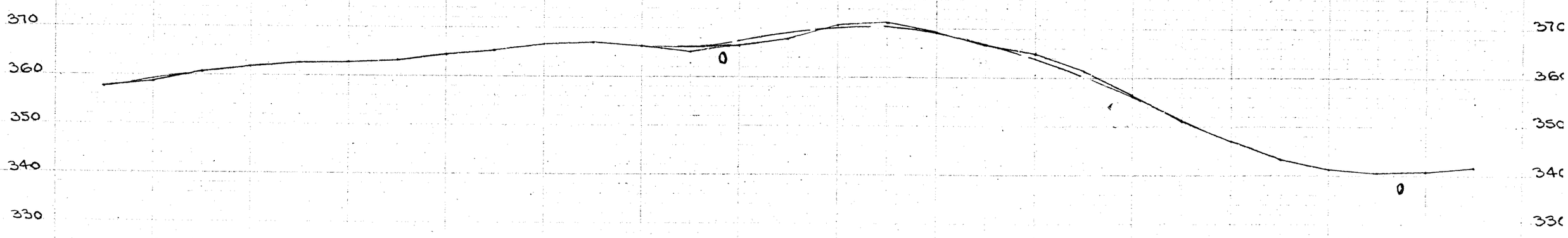
B.M.~Nail in Power Pole 35' Lt. Sta. 147+30 El. 331.85

B.M.~Nail in Power Pole 40' Lt. Sta. 154+70 Elev. 349.31

312.7	314.2	315.0	315.5	316.0	316.7	318.0	319.8	321.2	323.4	325.2	326.6	327.6	328.4	329.2	330.0	332.0	335.0	337.1	338.5	341.3	345.4	348.5	351.3	354.1	355.9	356.9	357.8
133+00	4	135	6	7	8	9	140	1	2	3	4	145	6	7	8	9	150	1	2	3	4	155	6	7	8	9	160

F.H. DIV. 6 TEXAS A 1874-2-1 SHEET 1
Angelina COUNTY F.M. ROAD 2021 CONT. 1874-2-





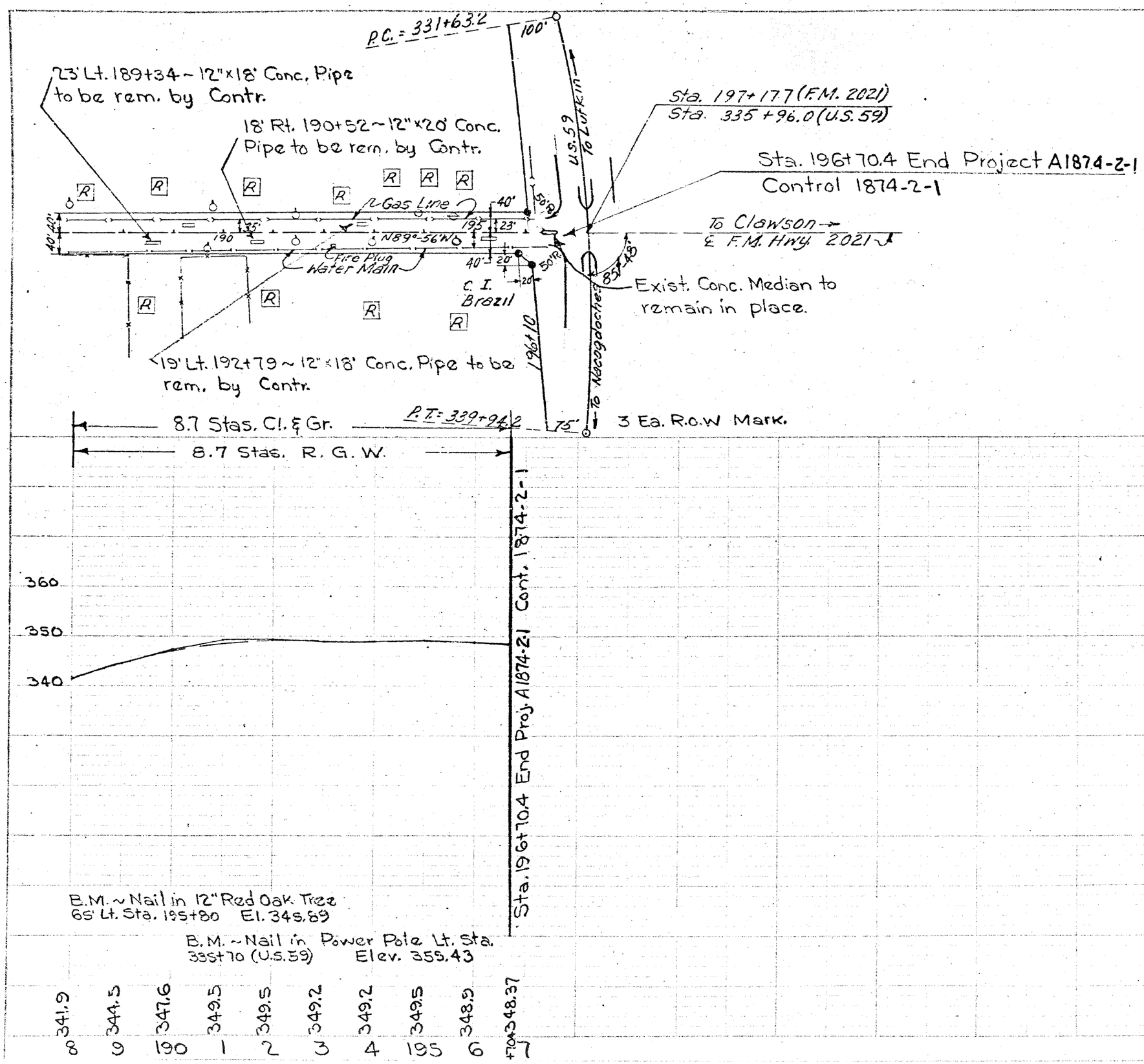
Sta. 172+75.5 ~ Ext. exist. 15"x32' Conc. Pipe 4' Upstr. & 4' Downstr. with 15" R.C. Pipe Cl. III to make 40'-0" Total length ℄ F.L. Elev. 363.50

Sta. 186+49.5 ~ Ext. exist. 24"x37' Conc. Pipe 4' Downstr. with 24" R.C. Pipe Cl. III to make 41'-0" Total length ℄ F.L. Elev. = 336.50

B.M. ~ Nail in Power Pole 39' Lt. Sta. 165+45 Elev. 366.27

B.M. ~ Nail in Tel. Pole 41' Lt. Sta. 176+05 El. 370.96

B.M. ~ Nail in Power Pole 45' Lt. Sta. 186+15 Elev. 338.07

357.8	359.3	360.3	361.9	362.5	362.8	363.4	364.3	365.5	366.7	366.9	366.1	365.7	366.2	367.9	370.5	371.3	369.4	366.5	364.4	361.5	356.2	351.1	346.9	343.6	341.3	340.4	340.7	341.9
160+00	1	2	3	4	165	6	7	8	9	170	1	2	3	4	175	6	7	8	9	180	1	2	3	4	185	6	7	8

F.R. DIV. 6 TEXAS A 1874-2-1 SHEET
Angelina COUNTY F.M. HWY 2021 CONT 1874-2