FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	[illegible]
3	COLO.	N.R.H.263G	1	

COLORADO
STATE HIGHWAY DEPARTMENT
PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT N.R.H. 263G
STATE HIGHWAY NO. 10
ALAMOSA COUNTY

INDEX OF SHEETS

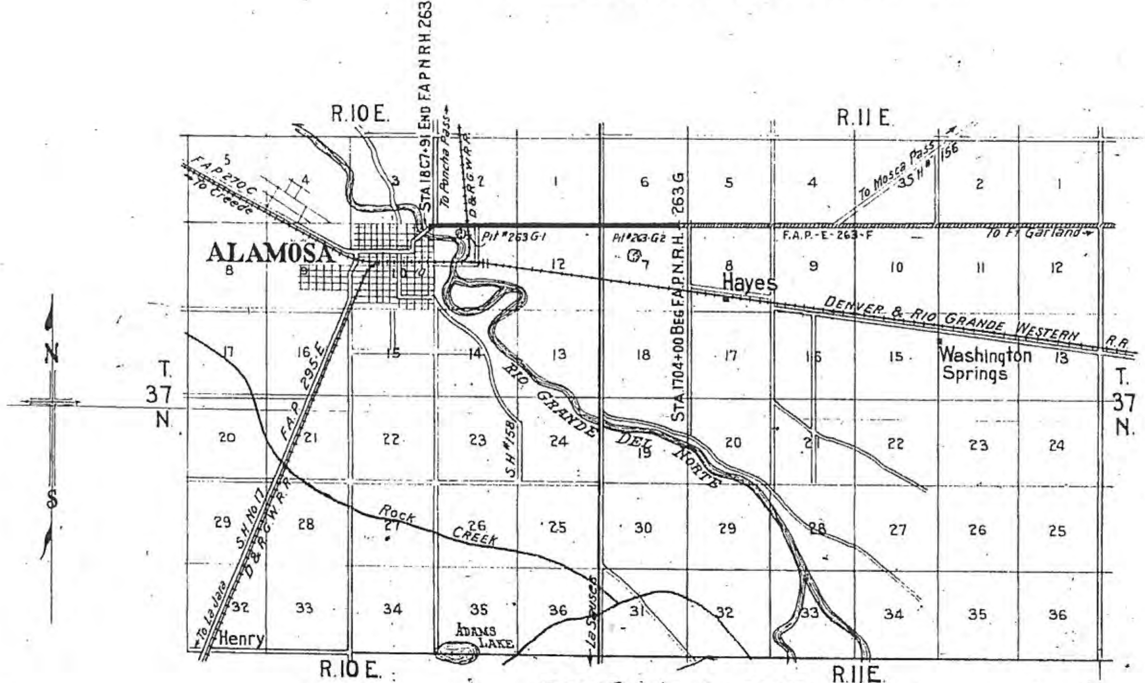
SHEET 1-	TITLE SHEET	
" 2-	TYPICAL SECTION AND SUMMARY	
" 3-	STANDARD SUPERELEVATION METHODS	M-1-A
" 4-	" CONCRETE SIPHON	M-125-A
" 5-	SPEC. 50" V-MESH-WIRE FENCE	
" 6-	STAND WIRE FENCES & MARKER POSTS	M-24 F.
" 7-	SPECIAL 8'x2' CONC. BOX CULV.	M-104-D (Spec Rev.)
" 8-	STANDARD CATTLE GUARD	M-16-A
" 9-13-	PLAN & PROFILE	
" 14-26-	CROSS SECTIONS	

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY 625
RIGHT OF WAY LINE
TOWNSHIP LINE
SECTION LINE
ONE-QUARTER SECTION LINE
RAILROADS
BARBED WIRE FENCES
POLE LINES ♦ ♦ ♦

SCALES

ON PLAN, 1 IN. - 100 FT.
ON PROFILE (1 IN. - 100 FT. HORIZONTAL
(1 IN. - 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT
NET LENGTH OF PROJECT } 16,391.0 FT. = 3.104 Mi.


STA 1867+91 END F.A.P. N.R.H. 263G
To Poncha Pass
D&RGW R.R.
R.10 E.
R.11 E.
F.A.P. 270 C
To Creede
ALAMOSA
Pt #263 G-1
Pt #263 G-2
STA 1704+00 BEG F.A.P. N.R.H. 263G
F.A.P.-E-263-F
To Mosca Pass
S.H. # 156
To Ft Garland
Hayes
DENVER & RIO GRANDE WESTERN R.R.
Washington Springs
T. 37 N.
N
S
F.A.P. 295 E
S.H. #158
RIO GRANDE DEL NORTE
Rock Creek
S.H. No 17
D&RGW R.R.
To La Jara
Henry
Adams Lake
La Sauses
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

Scale 1 inch = 1 Mile

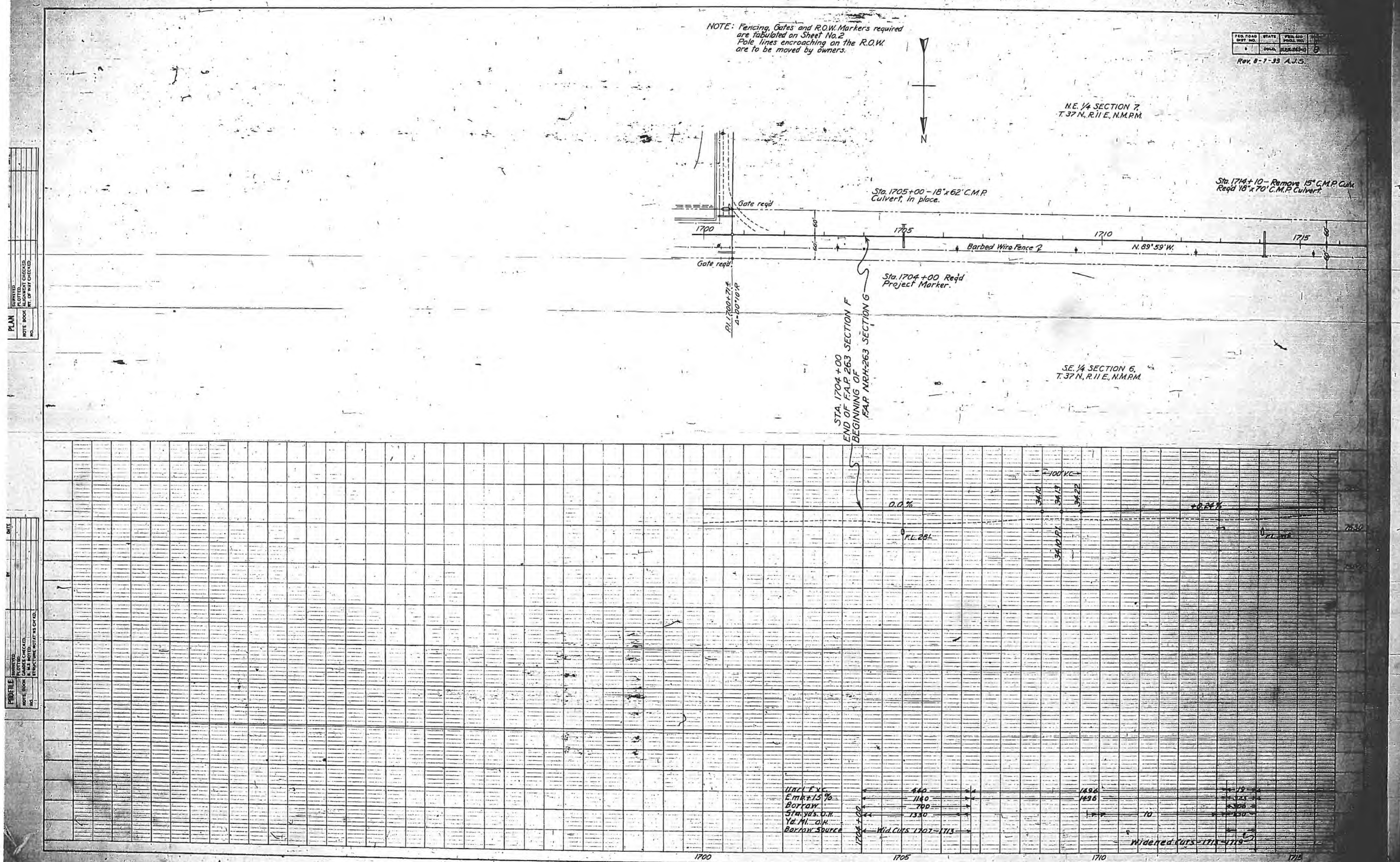
RECOMMENDED FOR APPROVAL 7/7/35
J.H. Maloney
ASSISTANT ENGINEER

APPROVED
Chas D Vail
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL
[redacted]
DIST. ENG. BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL
[redacted]
CHIEF ENG. BUREAU PUBLIC ROADS

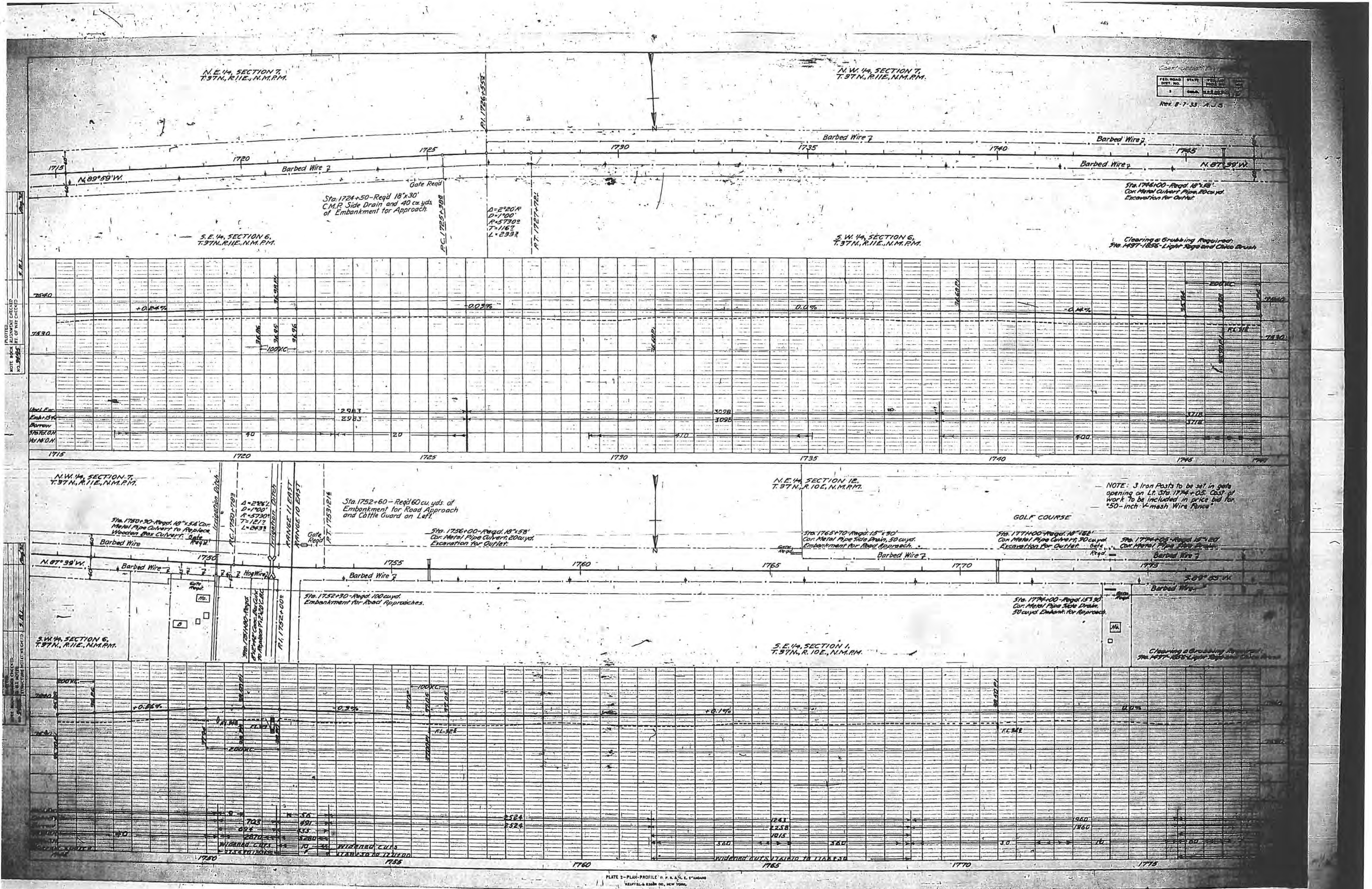
APPROVED
[redacted]
DIRECTOR BUREAU PUBLIC ROADS



NOTE: Fencing, Gates and R.O.W. Markers required are tabulated on Sheet No. 2
Pole lines encroaching on the R.O.W. are to be moved by owners.

FED. ROAD DIST. NO.
STATE
FED. AID PROJ. NO.
5
COLO.
[illegible]
8
Rev. 8-7-33 A.J.S.
N
N.E. ¼ SECTION 7,
T. 37 N., R. 11 E., N.M.P.M.
Sta. 1714+10 - Remove 15" C.M.P. Culv.
Reqd 18"x70' C.M.P. Culvert.
Sta. 1705+00 - 18"x62' C.M.P.
Culvert, in place.
Gate reqd
1700
60'
60'
1705
1710
1715
Barbed Wire Fence ℄
N. 89° 59' W.
Gate reqd.
Sta. 1704+00 Reqd
Project Marker.
P.I. 1700+71±
Δ-00°10' R
STA. 1704+00
END OF F.A.P. 263 SECTION F
BEGINNING OF
F.A.P. N.R.H. 263 SECTION G
S.E. ¼ SECTION 6,
T. 37 N., R. 11 E., N.M.P.M.
PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
RT. OF WAY CHECKED
PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
B. M.S NOTED
STRUCTURE NOTATIONS CH'KD.
BY
DATE
100' V.C.
34.10
34.13
34.22
0.0%
+0.24%
F.L. 28±
34.10 P.I.
F.L.
Uncl. Exc.
Emb.+15%
Borrow
Sta. yds. O.H.
Yd. Mi. O.H.
Borrow Source
1704+00
440
1140
700
1330
Wid. Cuts 1707-1713
1496
1496
10
19
Widened Cuts - 1715-1719
1700
1705
1710
1715

PLATE 1 - PLAN-PROFILE O. P. R. & R. C. STANDARD
KEUFFEL & ESSER CO. NEW YORK


N.E. 1/4, SECTION 7, T.37N., R.11E., N.M.P.M.
N.W. 1/4, SECTION 7, T.37N., R.11E., N.M.P.M.
FED. ROAD DIST. NO.
STATE
3
Rev. 8-7-33. A.J.S.
P.I. 1726+55.5
1715
1720
1725
1730
1735
1740
1745
N.89°59'W.
Barbed Wire
Gate Req'd
N.87°39'W.
Sta. 1724+50-Req'd 18"x30' C.M.P. Side Drain and 40 cu. yds. of Embankment for Approach.
P.C. 1725+38.8
Δ=2°20'R
D=1°00'
R=5730.0
T=116.7
L=233.3
P.T. 1727+72.1
Sta. 1746+00-Reqd. 18"x58' Cor. Metal Culvert Pipe, 20 cu. yd. Excavation for Outlet.
S.E. 1/4, SECTION 6, T.37N., R.11E., N.M.P.M.
S.W. 1/4, SECTION 6, T.37N., R.11E., N.M.P.M.
Clearing & Grubbing Required: Sta. 1497-1856-Light Sage and Chico Brush
7540
7530
+0.24%
-0.03%
0.0%
-0.14%
100'V.C.
200'V.C.
36.98 P.I.
36.96
36.95
36.96
36.60 P.I.
36.62 P.I.
2983
2983
3098
3098
3718
3718
40
20
410
400
Uncl. Exc.
Embt. 15%
Borrow
Sta.Yd. O.H.
Yd.M. O.H.
N.W. 1/4, SECTION 7, T.37N., R.11E., N.M.P.M.
S.W. 1/4, SECTION 6, T.37N., R.11E., N.M.P.M.
Sta. 1750+30-Reqd. 18"x54' Cor. Metal Pipe Culvert to Replace Wooden Box Culvert.
Gate Reqd.
Irrigation Ditch
P.C. 1750+78.3
Δ=2°26'L
D=1°00'
R=5730.0
T=121.7
L=243.3
Irrigation Ditch
RANGE 11 EAST
RANGE 10 EAST
P.T. 1753+21.6
P.I. 1752+00.0
Sta. 1751+80-Reqd. 8'x2'x42' Conc. Box Culv. to Replace 7'x2'x20' C.B.C.
Hog Wire
No.
B
Sta. 1752+60 – Req'd 60 cu. yds. of Embankment for Road Approach and Cattle Guard on Left.
Sta. 1752+30-Reqd. 100 cu. yd. Embankment for Road Approaches.
Sta. 1756+00-Reqd. 18"x58' Cor. Metal Pipe Culvert, 20 cu. yd. Excavation for Outlet.
N.E. 1/4, SECTION 12, T.37N., R.10E., N.M.P.M.
S.E. 1/4, SECTION 1, T.37N., R.10E., N.M.P.M.
NOTE: 3 Iron Posts to be set in gate opening on Lt. Sta. 1774+05. Cost of work to be included in price bid for "50-inch V-mesh Wire Fence"
GOLF COURSE
Sta. 1765+70-Reqd. 15"x50' Cor. Metal Pipe Side Drain, 50 cu. yd. Embankment for Road Approach.
Sta. 1771+00-Reqd. 18"x62' Cor. Metal Pipe Culvert, 30 cu. yd. Excavation for Outlet.
Sta. 1774+05-Reqd. 15"x50' Cor. Metal Pipe Side Drain.
Sta. 1774+00-Reqd. 15"x50' Cor. Metal Pipe Side Drain. 50 cu. yd. Embankt. for Approach.
S.89°55'W.
1750
1755
1760
1765
1770
1775
+0.86%
-0.3%
+0.1%
0.0%
200'V.C.
100'V.C.
F.L. 32.8
F.L. 34.2
2524
2524
703
694
2870
56
491
433
5280
10
1243
2258
1015
560
560
30
960
1960
Widened cuts
Widened cuts 1751+30 to 1754+00
Widened cuts 1761+70 to 1765+50
PLATE 2-PLAN-PROFILE
KEUFFEL & ESSER CO., NEW YORK

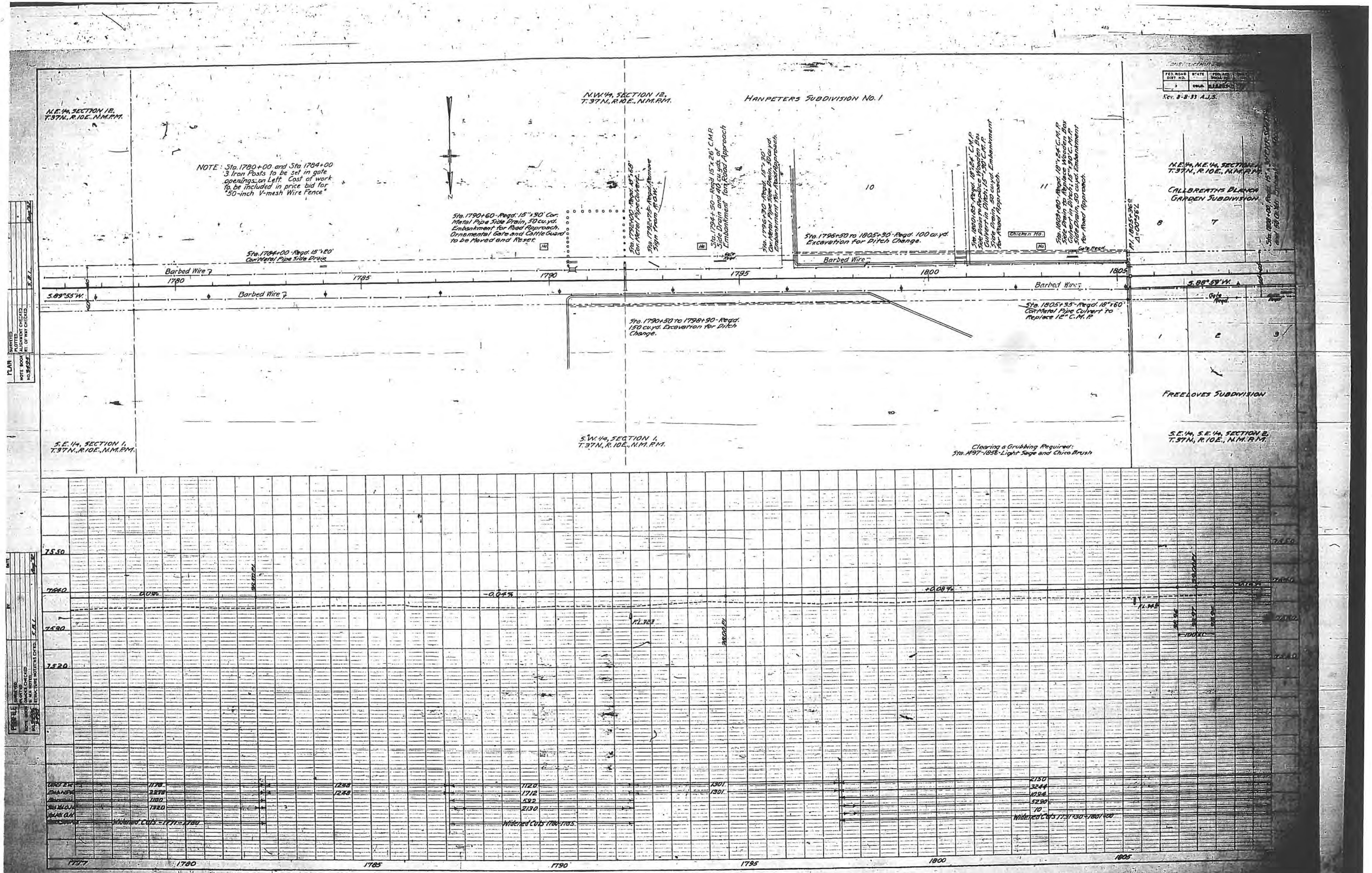

FED. ROAD DIST. NO.
STATE
FED. AID PROJ.
3
COLO.
Rev. 8-8-33 A.J.S.
N.E.1/4, SECTION 12, T.37N., R.10E., N.M.P.M.
N.W.1/4, SECTION 12, T.37N., R.10E., N.M.P.M.
HANPETERS SUBDIVISION No. 1
N.E.1/4, N.E.1/4, SECTION 1, T.37N., R.10E., N.M.P.M.
CALLBREATHS BLANCA GARDEN SUBDIVISION
NOTE: Sta. 1780+00 and Sta. 1784+00 3 Iron Posts to be set in gate openings on Left. Cost of work to be included in price bid for "50-inch V-mesh Wire Fence"
N
Sta. 1790+60 - Reqd. 15"x30' Cor. Metal Pipe Side Drain, 50 cu.yd. Embankment for Road Approach. Ornamental Gate and Cattle Guard to be Moved and Reset.
Sta. 1792+00 - Reqd. 18"x68' Cor. Metal Pipe Culvert.
Sta. 1792+75 - Reqd. Remove Sign from R.O.W.
Sta. 1794+50 - Reqd 15"x26' C.M.P. Side Drain and 40 cu.yds. of Embankment for Road Approach
Sta. 1796+30 - Reqd. 15"x30' Cor. Metal Pipe Side Drain, 50 cu.yd. Embankment for Road Approach.
10
Sta. 1800+85 - Reqd. 18"x24' C.M.P. Side Drain to Replace Wooden Box Culvert in Ditch; 15"x30' C.M.P. Side Drain, 50 cu.yd. Embankment for Road Approach.
11
Sta. 1803+80 - Reqd. 18"x24' C.M.P. Side Drain to Replace Wooden Box Culvert in Ditch; 15"x30' C.M.P. Side Drain, 50 cu.yd. Embankment for Road Approach.
Chicken Ho.
Ho.
Ho.
Ho.
Gate Reqd.
P.I. 1805+36.2 Δ=00°56'L
8
7
Sta. 1796+50 to 1805+30 - Reqd. 100 cu.yd. Excavation for Ditch Change.
Sta. 1784+00 - Reqd. 15"x20' Cor. Metal Pipe Side Drain
Barbed Wire 7
Barbed Wire
1780
1785
1790
1795
1800
1805
S.89°55'W.
Barbed Wire 7
Barbed Wire
S.88°59'W.
Gate Reqd.
Sta. 1790+50 to 1798+90 - Reqd. 150 cu.yd. Excavation for Ditch Change.
Sta. 1805+35 - Reqd. 18"x60' Cor. Metal Pipe Culvert to Replace 12" C.M.P.
1
2
3
FREELOVES SUBDIVISION
S.E.1/4, SECTION 1, T.37N., R.10E., N.M.P.M.
S.W.1/4, SECTION 1, T.37N., R.10E., N.M.P.M.
S.E.1/4, S.E.1/4, SECTION 2, T.37N., R.10E., N.M.P.M.
Clearing & Grubbing Required: Sta. 1797-1856 - Light Sage and Chico Brush
PLAN
NOTE BOOK NO. 3494
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
S.B.L.
PROFILE
NOTE BOOK NO.
SURVEYED
GRADE CHECKED
SLAB NOTED
STRUCTURE NOTATIONS CH'KD.
BY
DATE
S.B.L.
7550
7540
7530
7520
0.0%
-0.04%
+0.08%
F.L. 323
F.L. 348
+100 NC
Unc. Exc.
Embank.
Overhaul
1178
2278
1100
1920
Widened Cuts - 1771 - 1780
1248
1248
1120
1712
592
2130
Widened Cuts 1780-1785
1301
1301
2150
3244
1094
5290
10
Widened Cuts 1791+30-1801+00
1777
1780
1785
1790
1795
1800
1805

PLATE 1-PLAN-PROFILE D.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

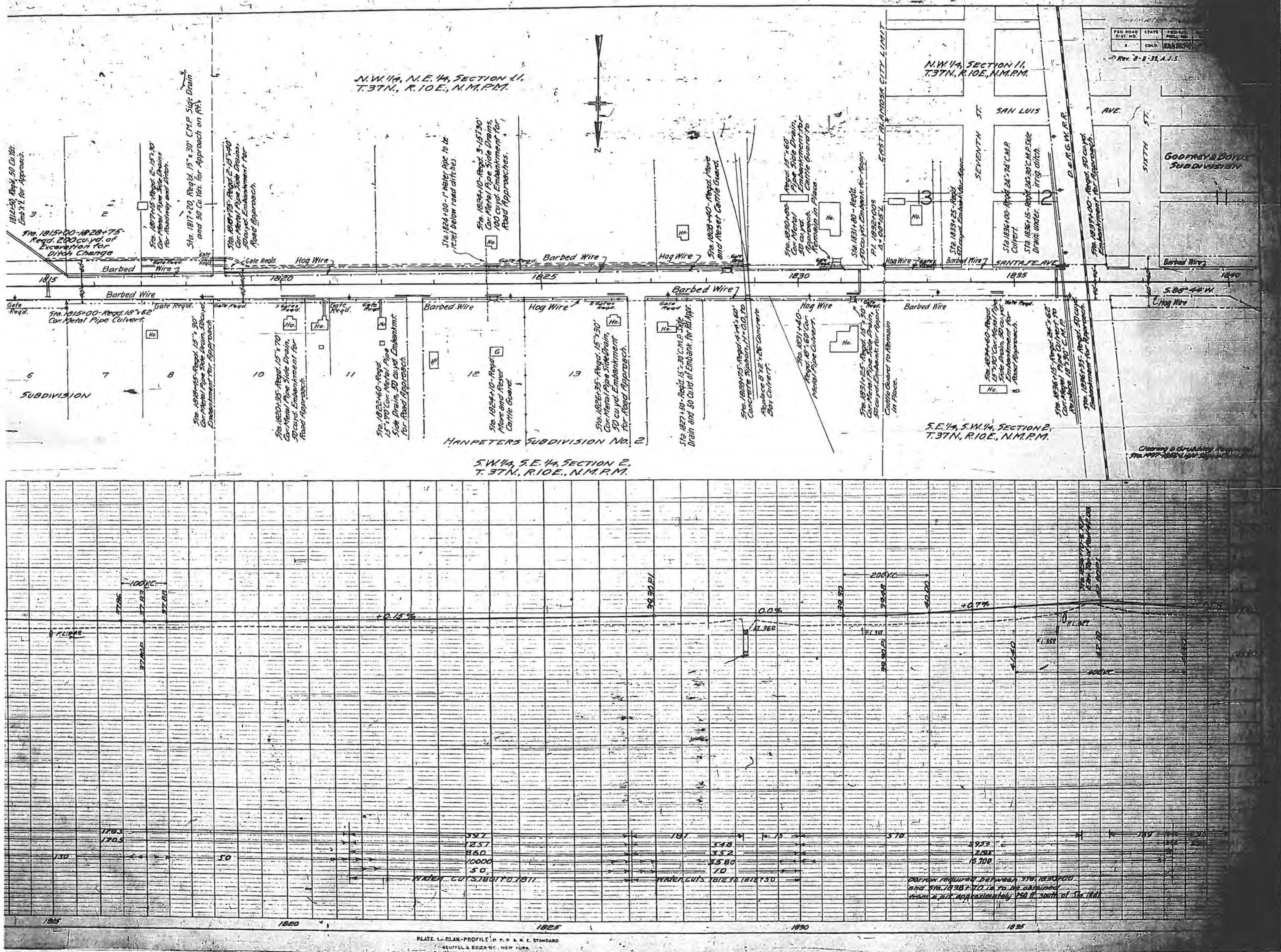

FED. ROAD DIST. NO.
STATE
3.
COLO.
Rev. 8-8-33, A.J.S.
N.W. ¼, N.E. ¼, SECTION 11, T.37N., R.10E., N.M.P.M.
N.W. ¼, SECTION 11, T.37N., R.10E., N.M.P.M.
S.W. ¼, S.E. ¼, SECTION 2, T. 37N., R.10E., N.M.P.M.
S.E. ¼, S.W. ¼, SECTION 2, T.37N., R.10E., N.M.P.M.
HANPETERS SUBDIVISION No. 2
SUBDIVISION
GODFREY & BOYD SUBDIVISION
EAST ALAMOSA CITY LIMIT
SAN LUIS AVE.
SEVENTH ST.
SIXTH ST.
SANTA FE AVE.
D. & R.G.W. R.R.
1814+50, Req'd. 50 Cu. Yds. Emb'k't. for Approach.
Sta. 1815+00-1828+75- Reqd. 200 cu. yd. of Excavation for Ditch Change
Sta. 1817+15-Reqd. 2-15"x30' Cor. Metal Pipe Side Drains for Roadway and Ditch.
Sta. 1817+20, Req'd. 15" x 30' C.M.P. Side Drain and 50 Cu. Yds. for Approach on Rt.
Sta. 1818+75-Reqd. 2-15"x30' Cor. Metal Pipe Side Drains, 50 cu. yd. Embankment for Road Approach.
Sta. 1815+00-Reqd. 18"x62' Cor. Metal Pipe Culvert.
Sta. 1818+45-Reqd. 15"x30' Cor. Metal Pipe Side Drain, 50 cu. yd. Embankment for Approach.
Sta. 1820+35-Reqd. 15"x70' Cor. Metal Pipe Side Drain, 50 cu. yd. Embankment for Road Approach.
Sta. 1822+60-Reqd. 15"x70' Cor. Metal Pipe Side Drain, 50 cu. yd. Embankmt. for Road Approach.
Sta. 1824+00-1" Water Pipe to be reset below road ditches.
Sta. 1824+10-Reqd. 3-15"x30' Cor. Metal Pipe Side Drains, 100 cu. yd. Embankment for Road Approaches.
Sta. 1824+10-Reqd. Move and Reset Cattle Guard.
Sta. 1826+35-Reqd. 15"x30' Cor. Metal Pipe Side Drain, 50 cu. yd. Embankment for Road Approach.
Sta. 1827+50-Reqd. 15"x30' C.M.P. Side Drain and 50 Cu. Yd. of Embank. for Rd. Appr.
Sta. 1828+40-Reqd. Move and Reset Cattle Guard.
Sta. 1828+75-Reqd. 4'x4'x60' Concrete Siphon, H-0.0, to Replace 8'x2'x26' Concrete Box Culvert.
Sta. 1830+80-Reqd. 15"x60' Cor. Metal Pipe Side Drain, 50 cu. yd. Embankment for Approach. Cattle Guard to Remain in Place.
Sta. 1831+40-Reqd. 18"x60' Cor. Metal Pipe Culvert.
Sta. 1831+80-Reqd. 50 cu. yd. Embank. for Appr.
P.I. 1832+00 Δ=00°15'L
Sta. 1831+25-Reqd. 15"x30' Cor. Metal Pipe Side Drain, 50 cu. yd. Embank. for Appr.
Cattle Guard to Remain in Place.
Sta. 1833+25-Reqd. 50 cu. yd. Embank. for Appr.
Sta. 1836+00-Reqd. 24"x74' C.M.P. Culvert.
Sta. 1836+15-Reqd. 24"x30' C.M.P. Side Drain under irrig. ditch.
Sta. 1834+60-Reqd. 15"x30' Cor. Metal Pipe Side Drain, 50 cu. yd. Embankment for Road Approach.
Sta. 1836+15-Reqd. 24"x62' Cor. Metal Pipe Culvert to Replace 18"x30' C.M.P.
Sta. 1836+95-Reqd. 50 cu. yd. Embankment for Approach.
Sta. 1837+00-Reqd. 50 cu. yd. Embankment for Approach.
Clearing & Grubbing
Barbed Wire
Hog Wire
Gate Reqd.
2 Gates Reqd.
3 Gates Reqd.
Ho.
G
S. 88°44' W.
℄ Hog Wire
1815
1820
1825
1830
1835
1840
2
3
6
7
8
10
11
12
13
100' V.C.
200' V.C.
400' V.C.
+0.15%
0.0%
+0.7%
37.86
37.87
37.88
37.00 P.
39.30 P.I.
39.30 P.I.
39.40
39.98
40.00
F.L. 362
F.L. 358
1785
1705
130
50
397
1257
860
10000
50
181
548
352
3580
10
15
570
2959
2181
15700
189
Widen Cuts 1810 to 1811
Widen Cuts 1812.35-1812+50
Borrow required between Sta. 1830+00 and Sta. 1838+70 is to be obtained from a pit approximately 750 ft. south of Sta. 1831
1815
1820
1825
1830
1835

PLATE L – PLAN-PROFILE D. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

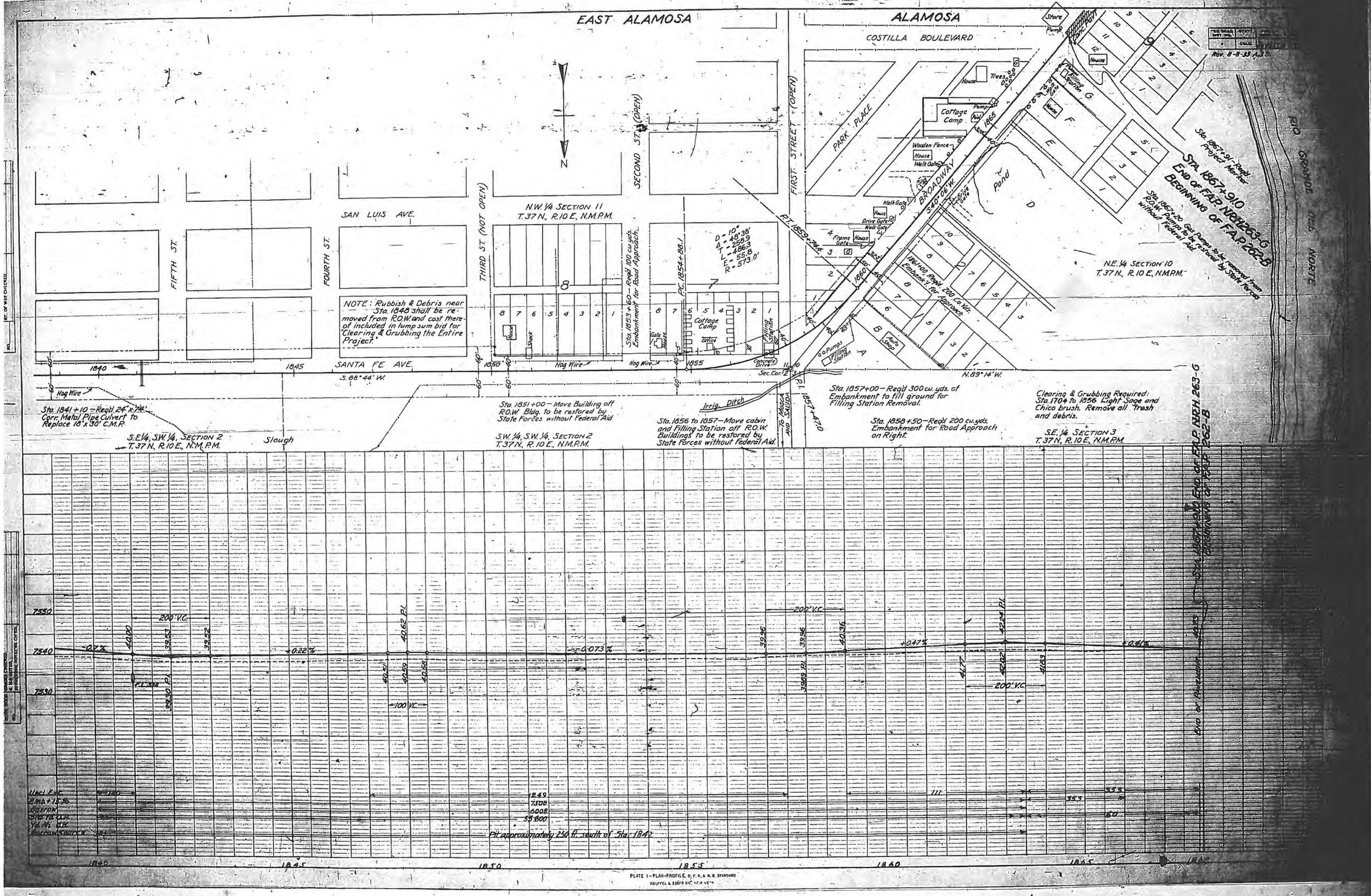

EAST ALAMOSA
ALAMOSA
COSTILLA BOULEVARD
PARK PLACE
FIRST STREET (OPEN)
SECOND ST. (OPEN)
THIRD ST. (NOT OPEN)
FOURTH ST.
FIFTH ST.
SAN LUIS AVE.
SANTA FE AVE.
BROADWAY
S.40° 06' W.
S. 88° 44' W.
N.89° 14' W.
N
N.W. 1/4 SECTION 11
T.37 N., R.10 E., N.M.P.M.
N.E. 1/4 SECTION 10
T.37 N., R.10 E., N.M.P.M.
S.E. 1/4, S.W. 1/4, SECTION 2
T.37 N., R.10 E., N.M.P.M.
S.W. 1/4, S.W. 1/4, SECTION 2
T.37 N., R.10 E., N.M.P.M.
S.E. 1/4 SECTION 3
T.37 N., R.10 E., N.M.P.M.
NOTE: Rubbish & Debris near Sta. 1848 shall be removed from R.O.W. and cost thereof included in lump sum bid for "Clearing & Grubbing the Entire Project."
Sta. 1841+10 – Req'd 24" x 74' Corr. Metal Pipe Culvert to Replace 18" x 30' C.M.P.
Sta. 1851+00 – Move Building off R.O.W. Bldg. to be restored by State Forces without Federal Aid
Sta. 1853+60 – Req'd 100 cu. yds. Embankment for Road Approach
P.C. 1854+88.1
D = 10°
Δ = 48°38'
T = 258.9
L = 486.3
E = 55.8
R = 573.0'
Sta. 1856 to 1857 – Move cabin and Filling Station off R.O.W. Buildings to be restored by State Forces without Federal Aid.
Sta. 1857+00 – Req'd 300 cu. yds. of Embankment to fill ground for Filling Station Removal.
Sta. 1858+50 – Req'd 200 cu. yds. Embankment for Road Approach on Right.
1861+00, Req'd. 200 Cu. Yds. Embank't. for Approach
P.T. 1859+74.6
P.I. 1857+47.0
To Mosca and Salida
Irrig. Ditch
Slough
Sec. Cor.
Hog Wire
Cottage Camp
Office
Filling Station
Concrete Drive
House
Shack
Gate
Auto Shop
Pumps
Frame Gate
Walk Gate
Drive Gate
Wooden Fence
Trees
Store
Pump
Conc. Pav't.
Pond
Rio Grande Del Norte
Sta. 1867+91 – Req'd. Project Marker
STA. 1867+91.0
END OF F.A.P. N.R.H. 263-G
BEGINNING OF F.A.P. 262-B
Sta. 1867+20 Gas Pumps to be removed from R.O.W. Pumps to be restored by State Forces without Federal Aid.
Clearing & Grubbing Required: Sta. 1704 to 1856 Light Sage and Chico brush. Remove all trash and debris.
Rev. 8-8-33 A.S.
COLO.
1840
1845
1850
1855
1860
1865
7550
7540
7530
200' V.C.
100' V.C.
-0.7%
+0.22%
-0.073%
+0.47%
+0.41%
40.00
39.53
39.52
39.20 P.I.
40.62 P.I.
40.71
40.59
40.58
39.96
39.96
39.89 P.I.
40.36
42.24 P.I.
41.77
42.02
41.89
1249
7508
6008
55.600
111
353
355
60
Pit approximately 250 ft. south of Sta. 1842
END OF F.A.P. N.R.H. 263-G
BEGINNING OF F.A.P. 262-B

PLATE 1 – PLAN-PROFILE, O. F. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

s sto. 1812+00, 1826+80, 1831+25	5.1					34								" " 8 " "
	13.3 38.8 13.9 13.2					50			74 62 30	4.5 4.5				" " 8 " " " " 8&16 " " " " 8&16 " " " " 8 " "
	22.5	12.7							74	4.5				" " 8&16 " "
													1	See pg. 13 Miscl. Notes
	488.1	109.2		102.0	—	10052	9/6	56	240	390	2	1	2	

'4+05 were not required and were turned over to Maint. Div. #9 at Alamosa.
'and.

ILT

	SIDE	Remove	BUILD LIN. FT.		
		Lin Ft.	B. Wire	Com. Wire	50" V Mesh
96+15	Lt.			401	
00+70	Lt.		425		
05+35	Lt.		421		
18+60	Lt.		1325		
31+60	Lt.			1248	
36+20	Lt.			403	
44+00	Lt.		680		
50+10	Lt.		610		
53+30	Lt.			406	
59+75	Lt.			80	
5-6 Miscl. Const. Notes					
1			19719	7869	2604

R.O.W. MARKERS AS PLACED

STATION	SIDE	NUMBER	STATION	SIDE	NUMBER
$1726+55^{5}$	Rt.&Lt.	2	$1836+29^{8}$	Rt.&Lt.	2
$1749+02^{9}$	Rt.	1	$1837+30^{1}$	Rt.&Lt.	4
$1749+04^{0}$	Rt.	1	1850+10	Lt.	2
$1750+30^{9}$	Rt.	1	$1857+19^{5}$	Rt.	1
$1750+30^{8}$	Rt.	1			
1752+00	Rt.&Lt.	2			
$1778+86^{2}$	Rt.&Lt.	2	See Page 13 Miscl. Const. Notes		
$1805+37^{8}$	Rt.	1			
$1805+37^{8}$	Lt.	1			
$1815+49^{5}$	Rt.	1			
$1815+50^{2}$	Rt.	1			
$1818+65^{2}$	Rt.	2			
$1818+83^{2}$	Lt.	2			
1832+00	Rt.&Lt.	2			
			TOTAL		29