

COLORADO

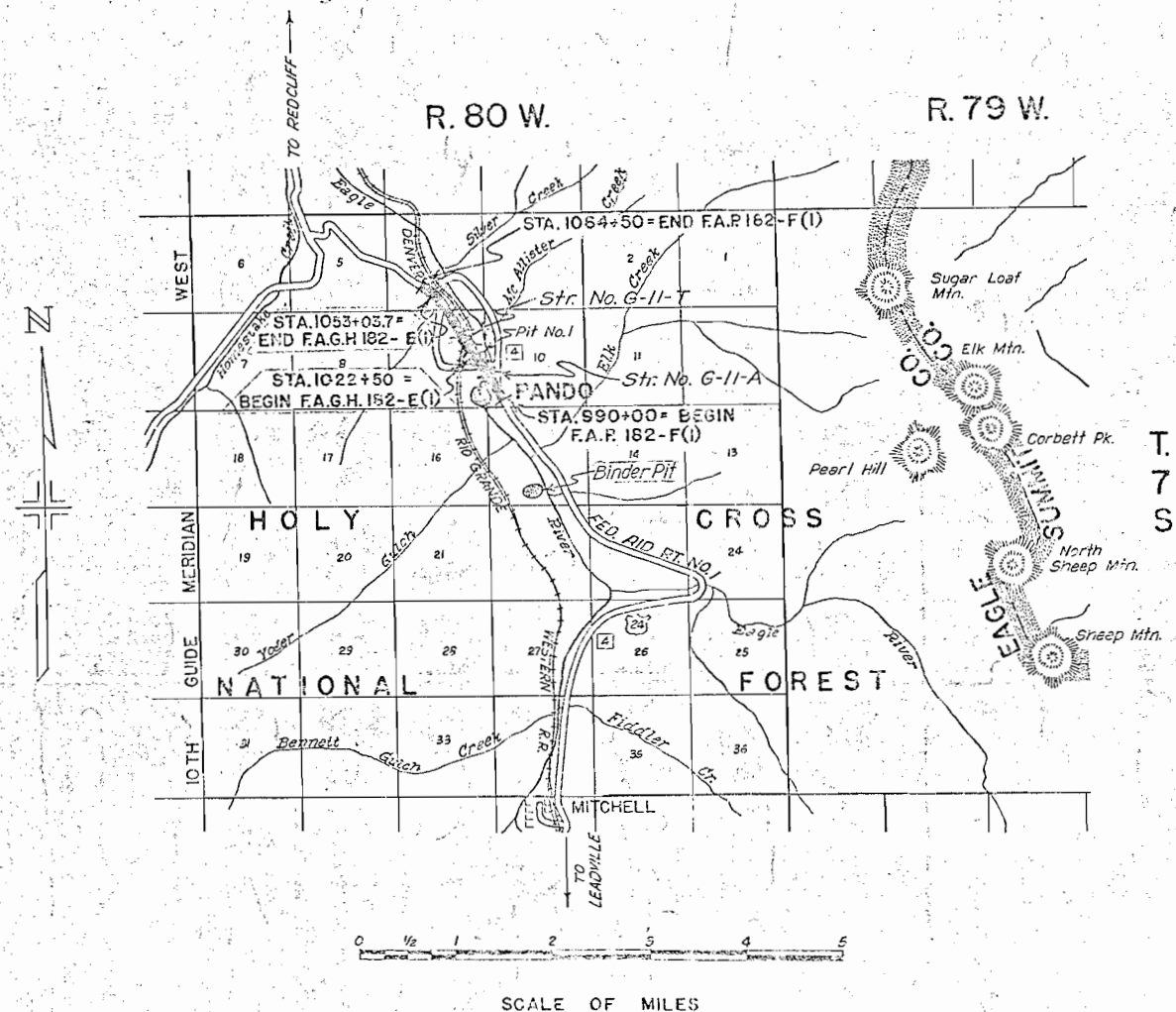
STATE HIGHWAY DEPARTMENT

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PLAN AND PROFILE OF PROPOSED COMBINED FEDERAL AID GRADE CROSSING PROJECT NO. F.A.G.H. 182-E (I) FEDERAL AID PROJECT NO. 182-F (I) STATE HIGHWAY NO. 4 EAGLE COUNTY

SCALES OF ORIGINAL TRACINGS			
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	3053.7 Ft. = 0.578 Mi.	7450.0 Ft. = 1.410 Mi.	
NET LENGTH OF PROJECT	3053.7 Ft. = 0.578 Mi.	4396.3 Ft. = 0.832 Mi.	
	F.A.G.H. 182-E(I)	F.A.P. 182-F(I)	



CONVENTIONAL SIGNS

CENTERLINE OF SURVEY
RIGHT OF WAY LINE
SECTION LINE
QUARTER SECTION LINE
TRACT LINE
COMBINATION WIRE FENCE
BARBED WIRE FENCE
TELEPHONE LINE
TELEGRAPH & R.R. SIGNAL LINE

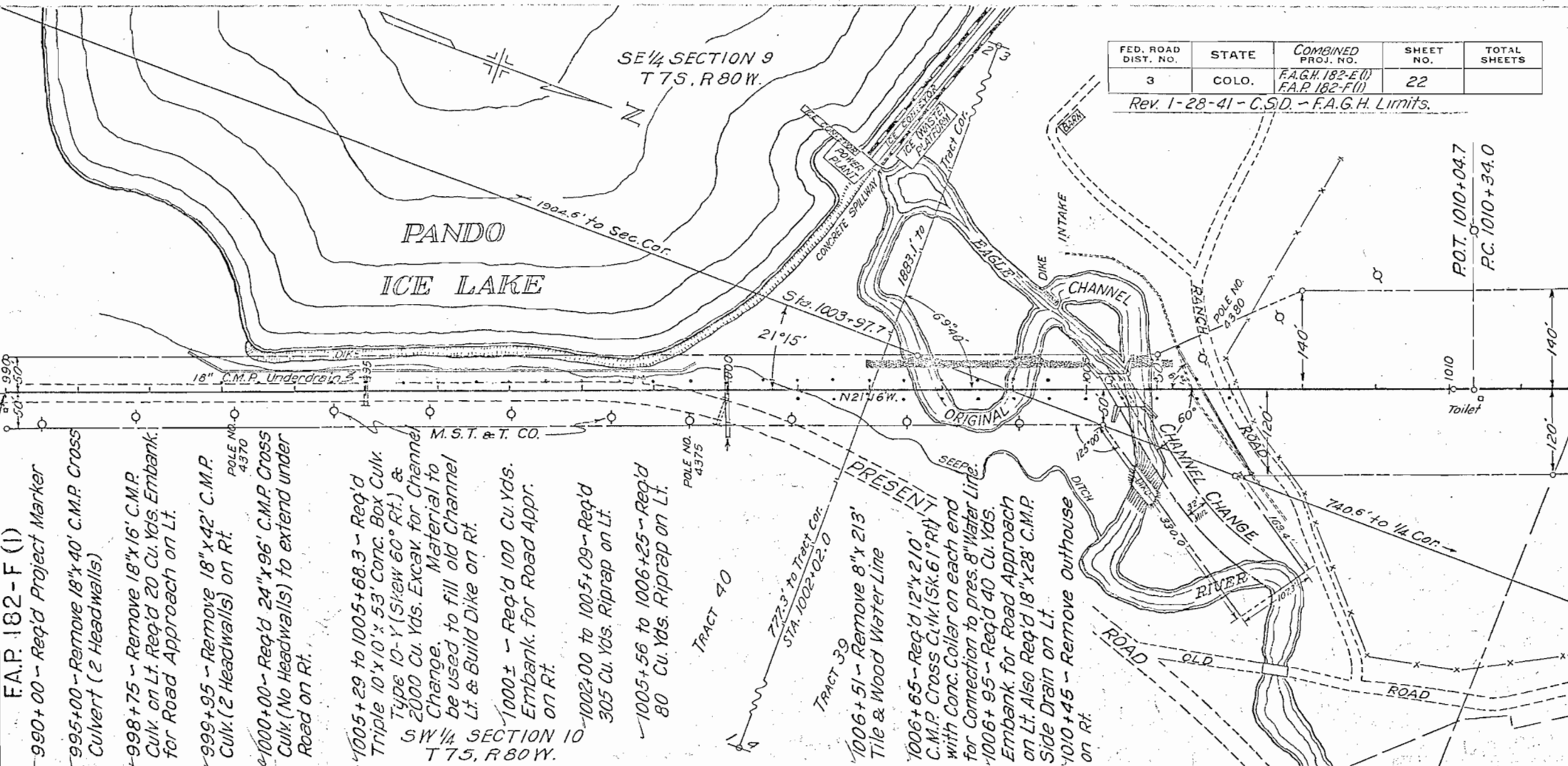
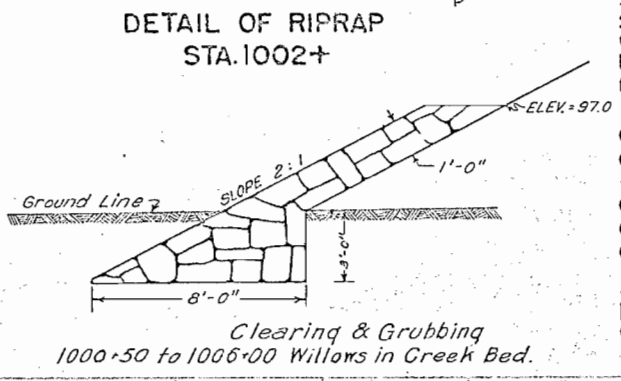
RECOMMENDED FOR APPROVAL	DATE
ASSISTANT ENGINEER	1-17-41
APPROVED	DATE
STATE HIGHWAY ENGINEER	
RECOMMENDED FOR APPROVAL	DATE
DISTRICT ENGINEER	
PUBLIC ROADS ADMINISTRATION	
FEDERAL WORKS AGENCY	
RECOMMENDED FOR APPROVAL	DATE
CHIEF, WESTERN REGION	
PUBLIC ROADS ADMINISTRATION	
FEDERAL WORKS AGENCY	
APPROVED	DATE
COMMISSIONER	
PUBLIC ROADS ADMINISTRATION	
FEDERAL WORKS AGENCY	

e: Alignment and Grades as shown hereon subject to modification during construction or approval by the Denver Office. Poles encroaching on construction are removed by their owners. Fencing, Right of Way Markers, Guard and Guard Posts required are detailed on Sheet No. 3.

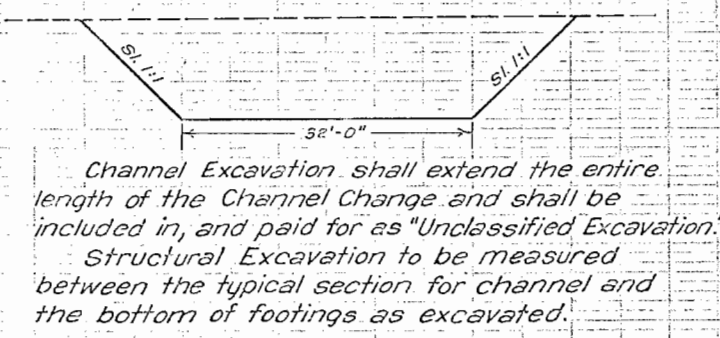
FED. ROAD DIST. NO.	STATE	COMBINED PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.G.H. 182-E(1) F.A.P. 182-F(1)	22	

Rev. 1-28-41 - C.S.D. - F.A.G.H. Limits.

993+00 to 999+60 - Req'd 18"x 663' C.M.P. Underdrain on Lt. with 18"x 57' C.M.P. Inlet (As per detail see Sheet No. 11) Also Req'd 10 Cu. Yds. Excav. for Inlet & Outlet Ditches.



TYPICAL SECTION FOR CHANNEL STA. 1005+



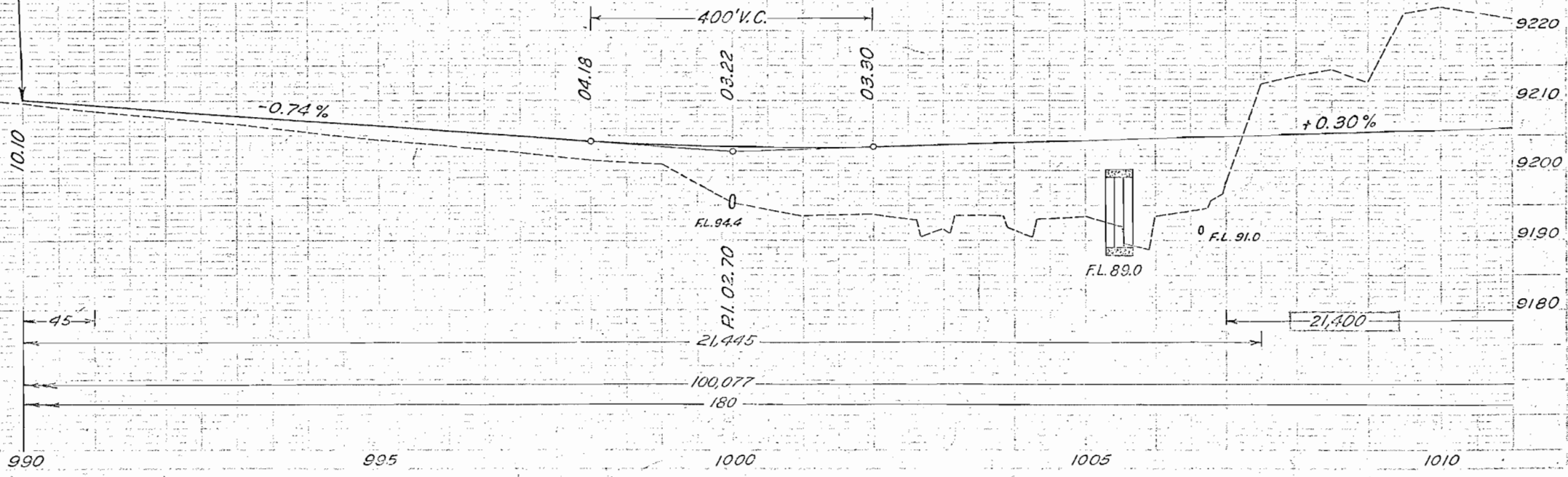
STRUCTURE NOTES FOR CONCRETE BOX CULVERT STA. 1005+29 TO 1005+68.3 STRUCT. NO. G-11-A (SKEW 60° RT.)

PRESENT STRUCTURE:
SPAN --- 1 @ 30 FT.
CLEAR ROADWAY --- 14 FT.
CLEAR WATERWAY --- 210 SQ. FT.
TYPE OF SUPERSTRUCTURE --- TIMBER TRUSS
TYPE OF SUBSTRUCTURE --- LOG CRIB ABUTS.
REQUIREMENTS AS TO REMOVAL

STREAM DATA:
DRAINAGE AREA IN SQ. MILES --- 32
VELOCITY DURING HIGH WATER
ELEVATION OF:
MAXIMUM HIGH WATER --- 9193.0
NORMAL STAGE --- 9191.0
DRIFT --- VERY LIGHT
SCOUR --- NONE

PROPOSED STRUCTURE:
POSITION REFERRED TO PRESENT STRUCTURE --- 450 FT. ± UPSTREAM
SPAN --- 3 @ 10' x 10' CONC. BOX CULV. 53 FT. LONG
CLEAR ROADWAY --- 300 SQ. FT.
CLEAR WATERWAY --- 300 SQ. FT.
TYPE OF SUPERSTRUCTURE
TYPE OF SUBSTRUCTURE
DETOUR STRUCTURE REQUIREMENTS --- NONE
R.R. SIDING --- PANDO HAUL TO BRIDGE SITE --- 1/2 MILE
NEARBY STRUCTURE ON SAME STREAM
LOCATION
WATERWAY
RECORD DURING FLOODS

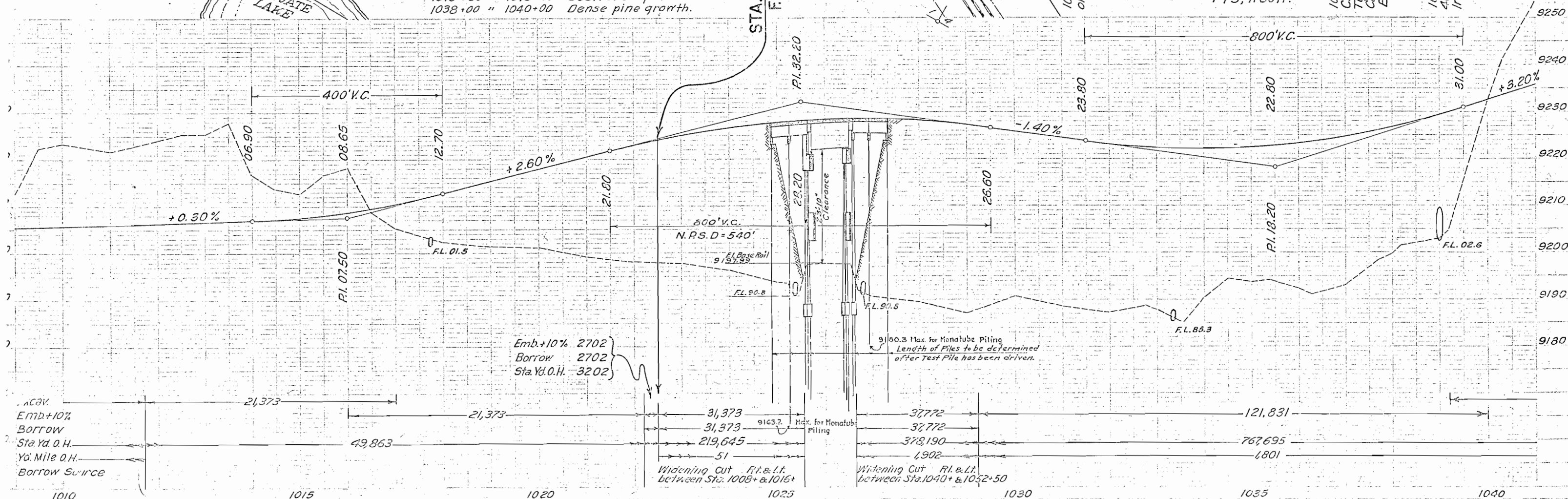
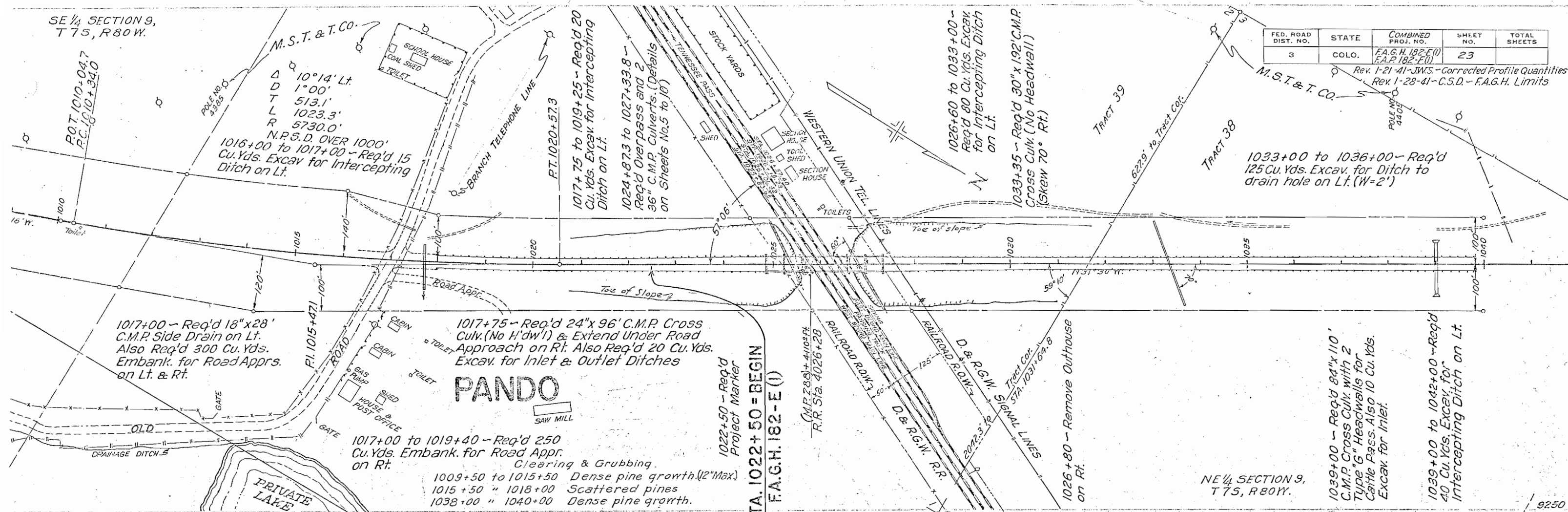
Excav.
Embank+10%
Borrow
Sta. Yd. O.H.
Yard Mile O.H.
Borrow Source



SE 1/4 SECTION 9,
T 7 S, R 80 W.

FED. ROAD DIST. NO.	STATE	COMBINED PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.G.H. 182-E(1) F.A.P. 182-F(1)	23	

Rev. 1-21-41-J.W.S. - Corrected Profile Quantities
Rev. 1-28-41-C.S.D. - F.A.G.H. Limits



NE 1/4 SECTION 9,
T7S, R80W.

1049+00 to 1053+03.7 - Req'd
70 Cu.Yds. Excavation for
Intercepting Ditch on Lt.

1053+03.7 to 1055+00 - Req'd
30 Cu.Yds. Excavation for
Intercepting Ditch on Lt.

Δ 26°42' Lt.
D 5°00'
T 272.0'
L 534.0'
R 1146.0'
N.R.S.D. = 570'

SW 1/4 SECTION 4,
T7S, R80W.

1055+00 - Req'd 24"x50' C.M.P. Cross
Culv. & 5 Cu.Yds. Embank. for Dike
on Lt.

1056+60 - Req'd 30"x64' C.M.P.
Cross Culv. & 5 Cu.Yds. Excav.
for Inlet Ditch. (Excav. Material to
be used to Const. Dike)
1058+85 - Req'd 24"x52' C.M.P.
Cross Culv. & 30 Cu.Yds. Excav.
for Inlet & Outlet Ditches (Excav.
Material to be used to Const. Dike)
1056+60 to 1058+85 - Req'd
25 Cu.Yds. Excav. for Intercept.
Ditch on Lt.

1058+90 to 1062+60 - Req'd
75 Cu.Yds. Excav. for Intercept.
Ditch on Lt.

1062+80 - Req'd 18"x26' C.M.P.
Side Drain on Lt. & 90 Cu.Yds.
Excav. for Road Approach on
Lt. Also Remove 12'x18' Log
Bridge on Rt.

FED. ROAD DIST. NO.	STATE	COMBINED PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.G.H. 182-E(1) F.A.P. 182-F(1)	24	

Rev. 1-28-41 - C.S.D. - F.A.G.H. Limits

1043+25 to 1046+00 - Req'd
50 Cu.Yds. Excav. for
Intercepting Ditch on Rt.

1051+25 - Req'd 200 Cu.Yds. Embank.
for Road Approach on Rt. & Also
Req'd 18"x30' C.M.P. Side Drain on Rt.

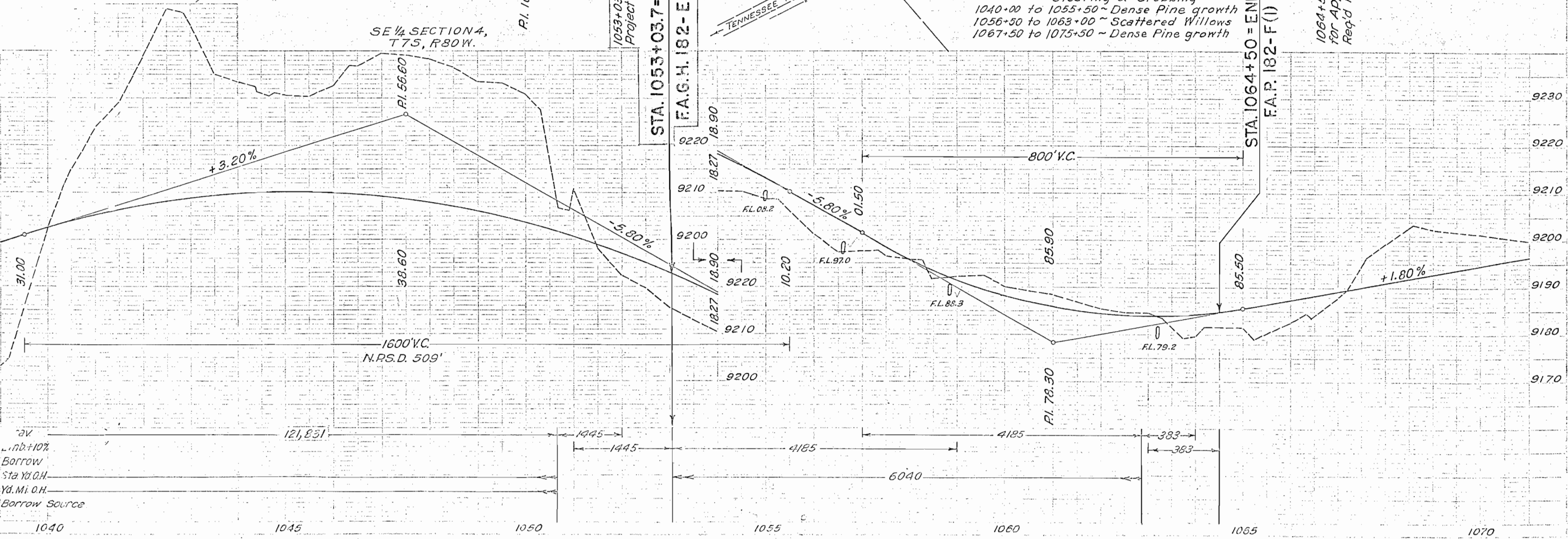
1053+03.7 - Req'd
Project Marker

STA. 1053+03.7=END
F.A.G.H. 182-E(1)

Clearing & Grubbing
1040+00 to 1055+50 - Dense Pine growth
1056+50 to 1063+00 - Scattered Willows
1067+50 to 1075+50 - Dense Pine growth

1063+20 - Req'd 30"x56' C.M.P.
Cross Culv. & 30 Cu.Yds. Excav. for
Inlet & Outlet Ditches. Also Remove
24"x36' C.M.P. Culv. (2 Headwalls)
on Rt.

1064+50 - Req'd 500 Cu.Yds. Embank.
for Approach to Project
Req'd Project Marker



av
mb+10%
Borrow
Sta Yd. O.H.
Yd. Mi. O.H.
Borrow Source