

TCH MAP AND TLE SHEET
 SUMMARY OF QUANTITIES AND LIST OF STRUCTURES
 TUNNEL SECTION
 TAILS OF TUNNEL PORTALS STAS 480+ & 482+
 CONCRETE PAYEMENT AND REINF CONCRETE
 BRIDGE APPROACH SLABS STAS 479+ & 482+
 STANDARD CONCRETE PAYEMENT JOINT DETAILS
 METHODS FOR SUPERELEVATION & WIDENING OF CURVES
 DWAY CONSTRUCTION TRAFFIC SIGNS
 N AND PROFILE SHEET

M 8 A
 M-1-B
 M 2 B

COLORADO STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED US WORKS PROGRAM HIGHWAY PROJECT NO WPSS-429-A(2) STATE HIGHWAY NO. 119 CLEAR CREEK & GILPIN COUNTIES

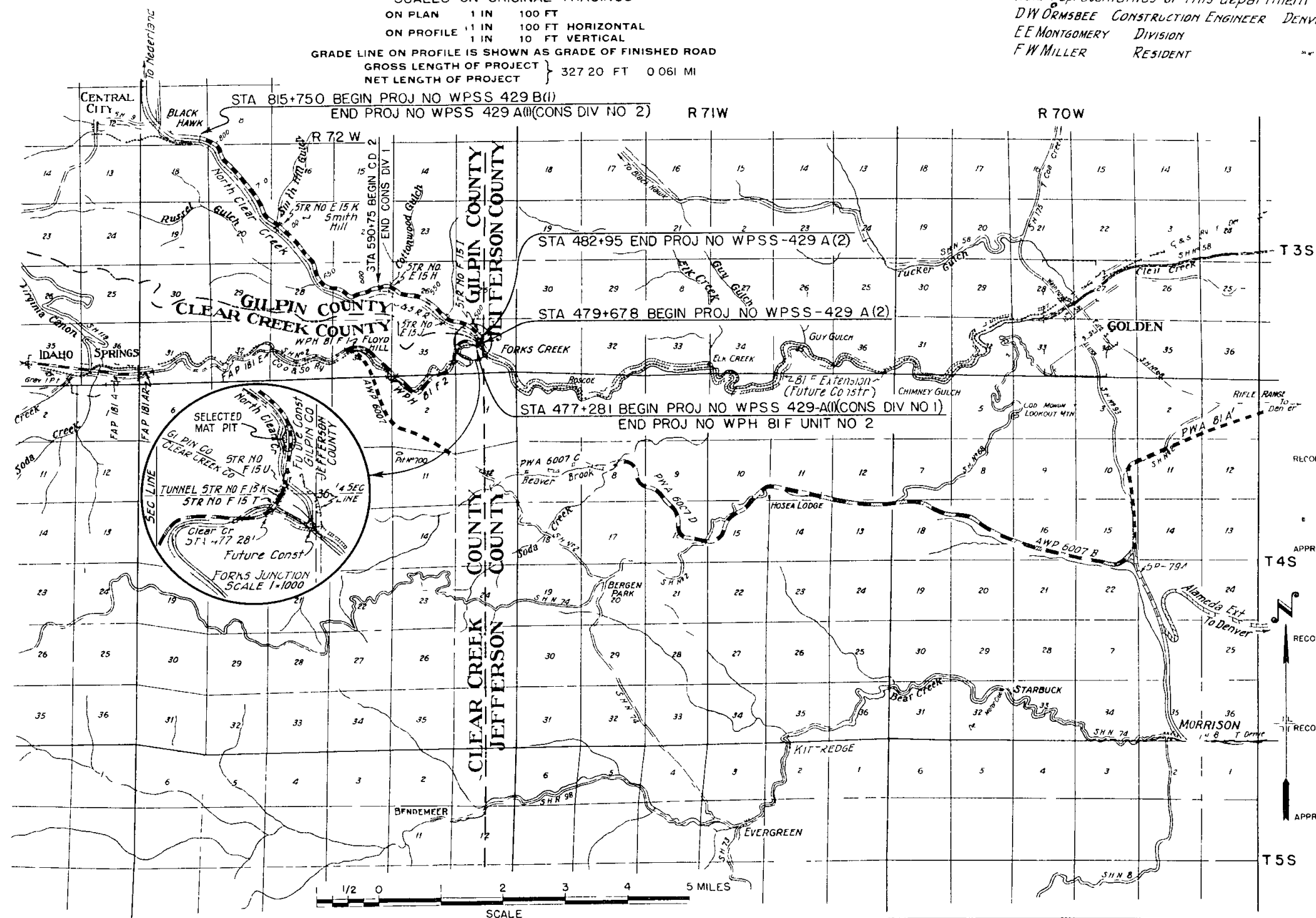
SCALES ON ORIGINAL TRACINGS
 ON PLAN 1 IN 100 FT
 ON PROFILE 1 IN 100 FT HORIZONTAL
 1 IN 10 FT VERTICAL
 GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
 GROSS LENGTH OF PROJECT 327.20 FT 0.061 MI
 NET LENGTH OF PROJECT

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY
 RIGHT OF WAY LINE
 SECTION LINE
 1/4 QUARTER SECTION LINE
 POLE LINE
 RAILROAD

NOTE

It is recommended that bidders on this project
 go over the plan details with one of the following
 field representatives of this department
 DW ORMSBEE CONSTRUCTION ENGINEER DENVER COLO
 EE MONTGOMERY DIVISION
 FW MILLER RESIDENT



RECOMMENDED FOR APPROVAL

ASSIST N ENGINEER
 8/28/59

APPROVED

Chris D. Vail
 STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
 PUBLIC ROADS ADMINISTRATION
 FEDERAL WORKS AGENCY

RECOMMENDED FOR APPROVAL

CHIEF, WESTERN REGION
 PUBLIC ROADS ADMINISTRATION
 FEDERAL WORKS AGENCY

APPROVED

COMM. SIGNER
 PUBLIC ROADS ADMINISTRATION
 FEDERAL WORKS AGENCY

WPSS 429-A(2)

STA 479+678 TO STA 482+95

- 8 479+978-Reqd Reinf Conc Bridge Slab
tails Sht # 7)
- 8 Reqd Rem 6"x12" x40 Timber Header
- 8-480+287-Reqd 100 Sq Yds Conc Pavement
tails Sht # 7)
- 8 480+287 Reqd 40 Cu Yds Sel Material
shoulders Rt & Lt
- 7-480+387-Reqd Tunnel Portal (Details on
Sht # 4 & 6)
- 7 482+211 Reqd-480 Sq Yds Concrete
ement (Details on Sht # 3)
- 7 482+211 Reqd 395 Lin Ft Comb Recessed
ector Curb & Gutter Rt & Lt (Details on Sht # 3)
- 7-482+211 Reqd 1000 Sq Ft Conc Sidewalks
Lt & 50 Cu Yds Selected Material to fill under
walks (Details on Sht # 3)
- 4 482+211 Reqd Tunnel Portal (Details on
Sht # 5 & 6)
- 1 482+65-Reqd-140 Sq Yds Conc Pavement
tails on Sht # 7)
- 482+95 Reqd Reinf Conc Bridge Approach
tails on Sht # 7)
- 1-482+95-Reqd 40 Cu Yds Sel Material for
lders Rt & Lt
- Reqd Rem 6" x12" x40 Timber Header

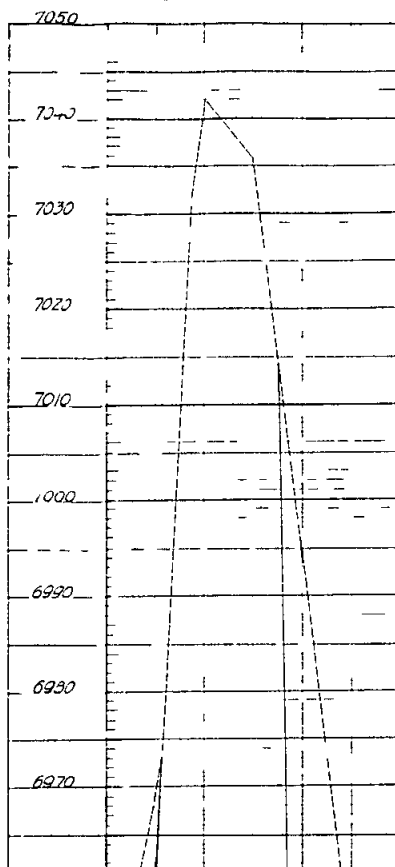
d Material for above locations is estimated
ble from Pit Rt & Lt 492+00 & is to be class-
aid for as "Unclassified Excavation"
ted overhaul involved

79+ 480+ 400 Sta Yds Overhaul
80+ 482+ 450 Sta Yds Overhaul
92+ 350 Sta Yds Overhaul

Sta 477+ to 590+ - Reqd 100 cu yds Boulder Excavation This excav-
ation will be required at various locations on the Project to
to be designated by the Engineer during construction This
quantity may be materially increased or decreased during
construction to meet actual construction requirements

Revised 4 21 38 HJS
Revised Index 5 25 38 HJS
Rev Abut No 1 F 15 U 4 27 39 RAD
Rev WPSS 429 A(1) CD *3 7 25 39 HJS
Rev WPSS 429 A(2) - 5 5 39 HJS
Rev WPSS 429 A(1) CD *3 & 429 A(2) 10 11 39 TT

STA 477+281 END WPH PROJECT NO 81-F UNIT NO 2
BEGIN WPSS PROJECT NO 429-A(1)
CONSTRUCTION DIV 10183



Sta 477+281 Reqd Project Marker

STA 477+281 END WPH PROJ NO 81-F UNIT-2
BEGIN WPSS PROJ NO 429-A(1)
CONSTRUCTION DIV NO 183

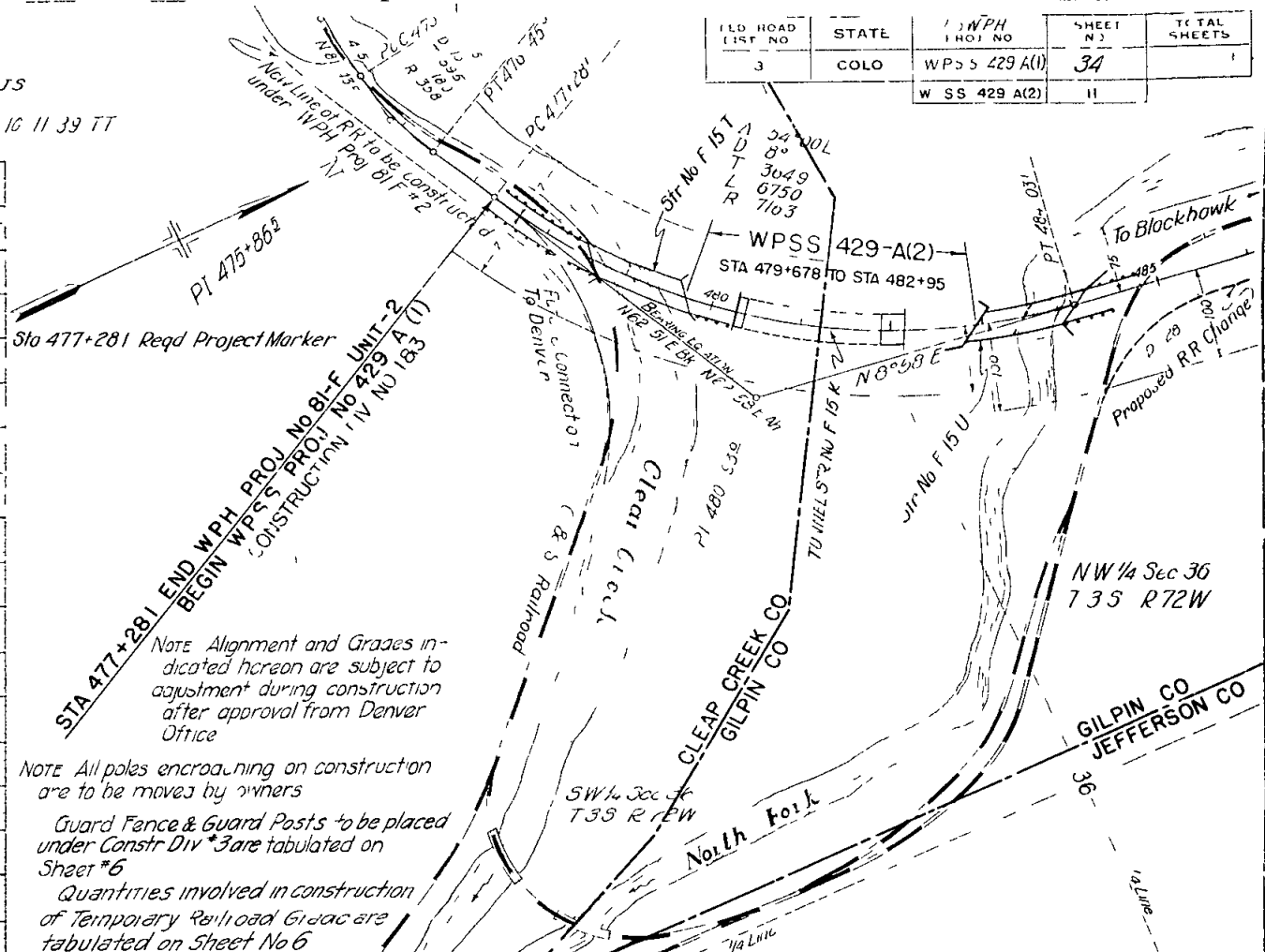
NOTE Alignment and Grades in-
dicated herein are subject to
adjustment during construction
after approval from Denver
Office

NOTE All poles encroaching on construction
are to be moved by owners

Guard Fence & Guard Posts to be placed
under Constr Div #3 are tabulated on
Sheet #6

Quantities involved in construction
of Temporary Railroad Grade are
tabulated on Sheet No 6

LED ROAD LIST NO	STATE	1:1 WPH PROJ NO	SHEET NO	TOTAL SHEETS
3	COLO	WPSS 429 A(1)	34	1
		W SS 429 A(2)	11	



Sta 480+50+ to 482+00- Reqd 150 Tunnel
(Details on Sheet #7)

Excavation from Channel Changes shall be used for
constructing dikes filling old channels or in roadway
embankments as directed by the Engineer

Sta 478+57 479+678 Reqd 2 Spans @ 54 Conc & I Beam
Bridge (Details on Shts #8 to #14)

Sta 482+95 484+05- Reqd 2 Spans @ 51 Conc & I Beam
Bridge (Details on Shts #15 to #18) & 600 Cu Yds
Uncl Excav for Channel Improvement

WPSS 429-A(1)

Construction Div #3 consists of Blading and Grading
Roadway, Placing Surfacing Material, Guard Fences &
Posts on the Project

Surfacing Plan on Sht No 6 of Plans
Guard fencing Reqd on Sht No 6 of Plans
Guard Posts Reqd on Sht No 6 of Plans

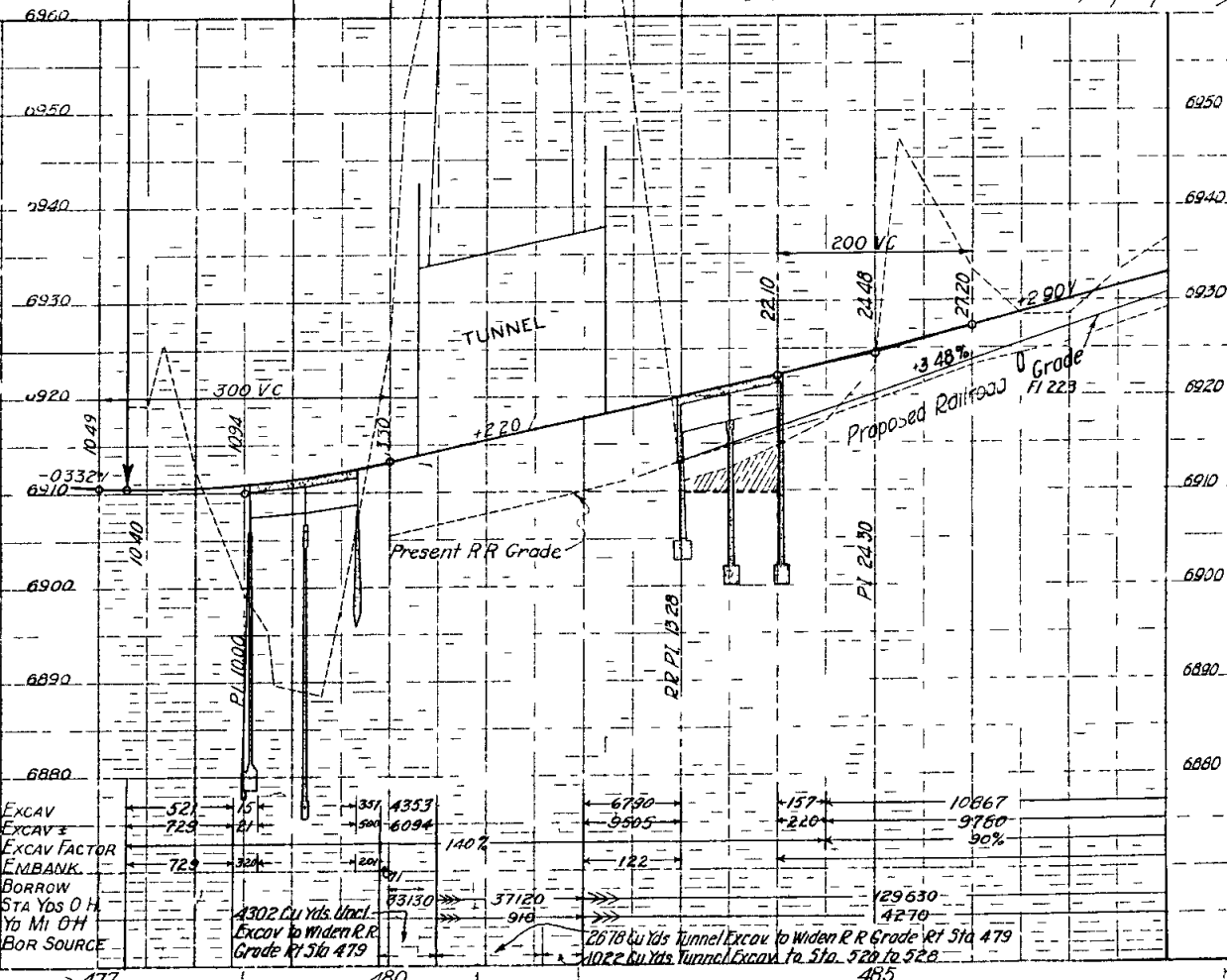
Sta 477+281 ~ 815+75 Reqd 64 Miles Blading &
Grading Roadway

NOTES ON STRUCTURE NO F 15 T

PRESENT STRUCTURE	PROPOSED STRUCTURE
Span	Position referred to present structure
Clear Roadway	Span 2 @ 54
Clear Waterway	Clear Roadway
Type of Superstructure	Clear Waterway
Type of Substructure	Type of Superstructure Conc & I Beam
Requirements as to removal	Type of Substructure Conc Abut & Pier
STREAM DATA	Detour Structure requirements None
Drainage Area in Sq Mi 290	RR Siding Forks Creek Haul to Bridge Site 1/4 Mi
Velocity during high water	Nearby structures on same stream
ELEVATION OF	Location
Maximum high water	Waterway
Normal Stage	Record during floods
Drift	Scour

NOTES ON STRUCTURE NO F 15-U

PRESENT STRUCTURE	PROPOSED STRUCTURE
Span	Position referred to present structure
Clear Roadway	Span 2 @ 51-0"
Clear Waterway	Clear Roadway 30 0"
Type of Superstructure	Clear Waterway 646 Sq Ft
Type of Substructure	Type of Superstructure Conc & I Beam
Requirements as to removal	Type of Substructure Abut #1 Cantilever, Pier #2 Conc
STREAM DATA	Detour structure requirements None
Drainage Area in Sq Mi 62	RR Siding Forks Creek Haul to bridge site 500 Ft
Velocity during high water	Nearby structures on same stream
ELEVATION OF	Location
Maximum high water	Waterway
Normal Stage	Record during floods
Drift	Scour



EXCAV	521	15	331	4353	6790	157	10867
EXCAV FACTOR	723	21	500	6094	9505	220	9760
EMBANK	723	324	120	140	122		90%
BORROW							
STA Yds O H							
Yd Mi O H							
BOR SOURCE							

477 480 485

PLATE PL PR FL