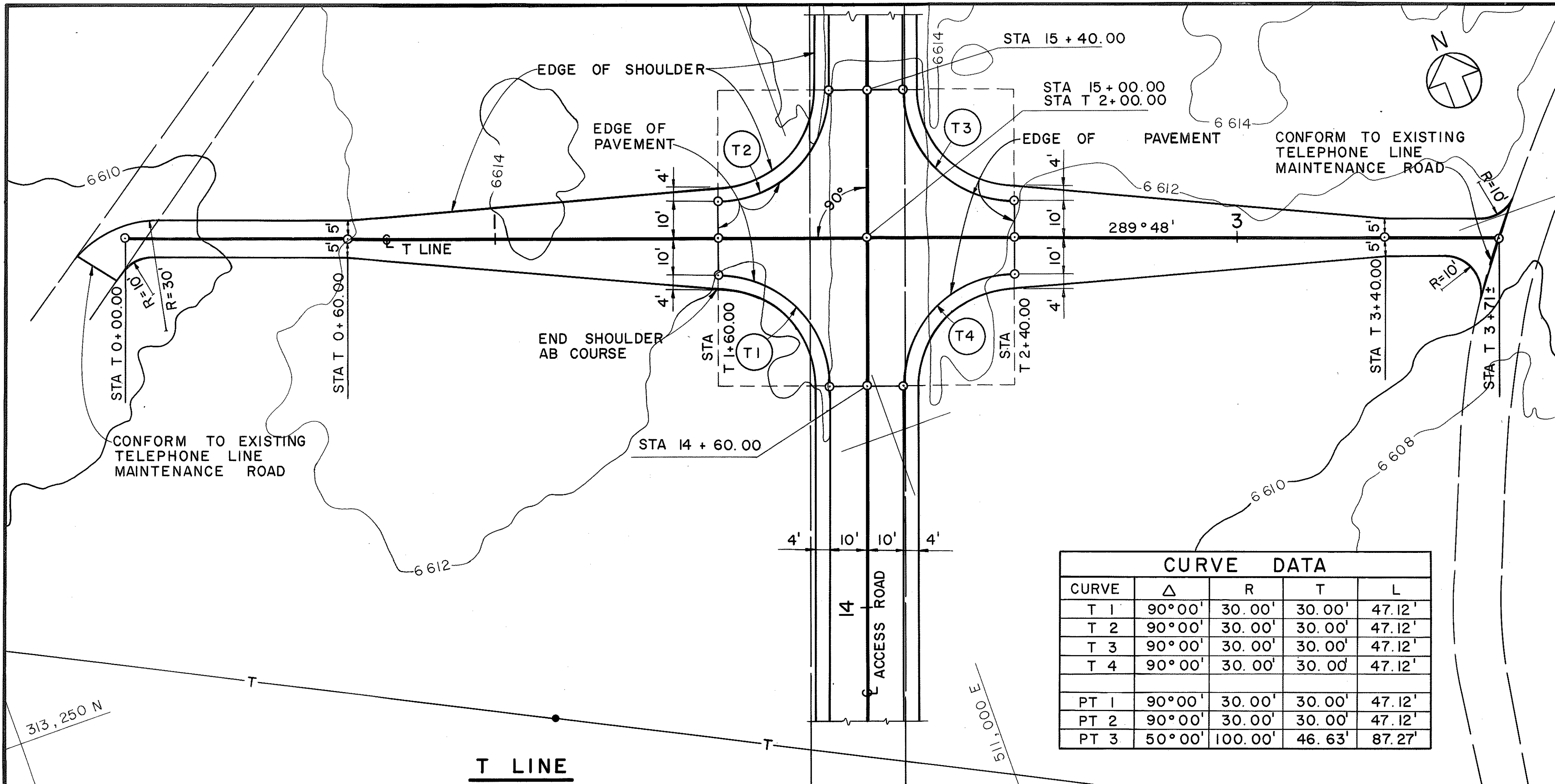
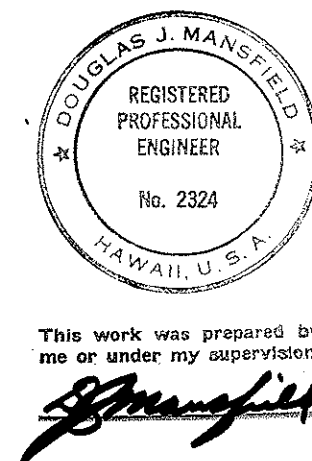
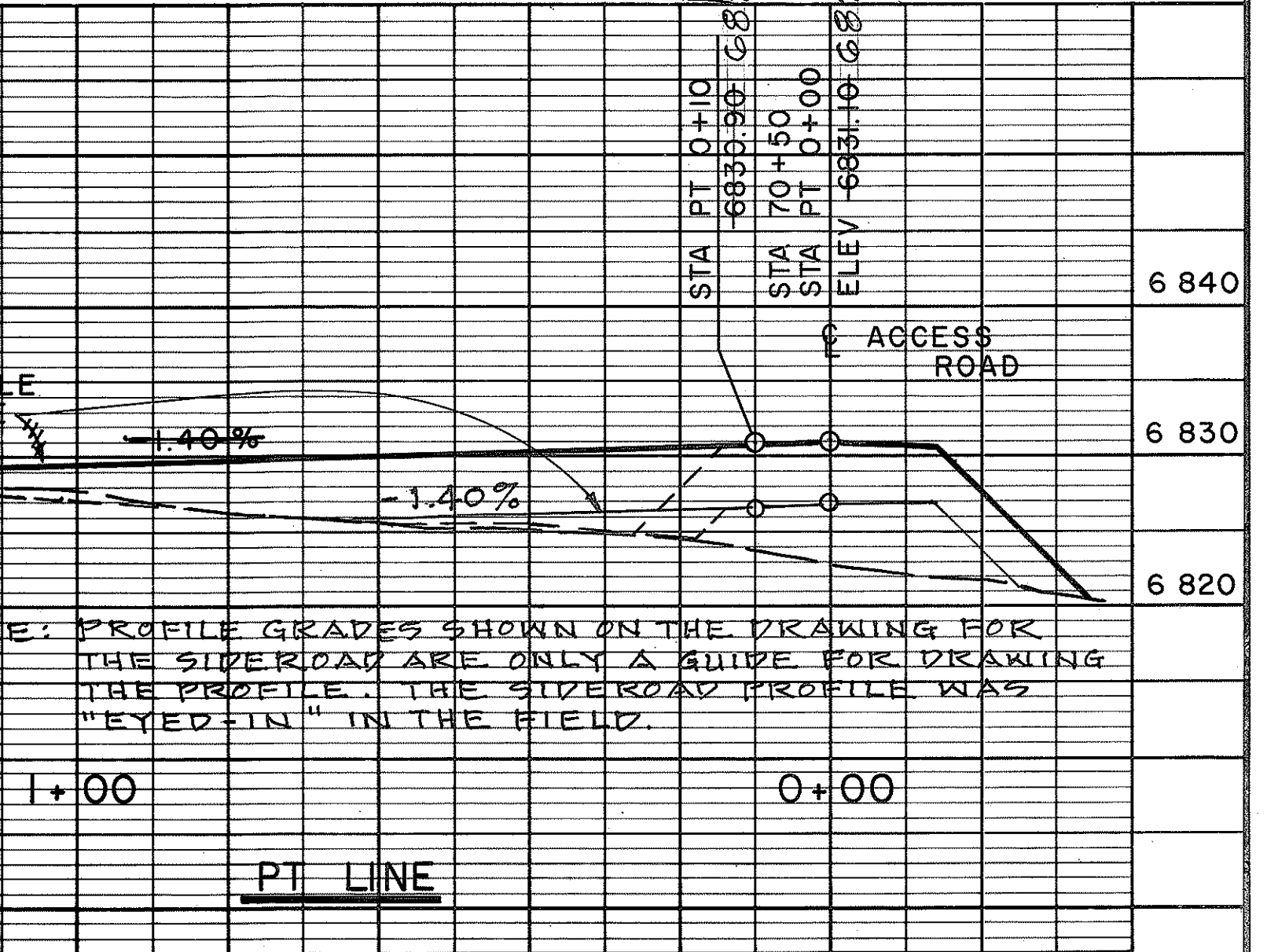
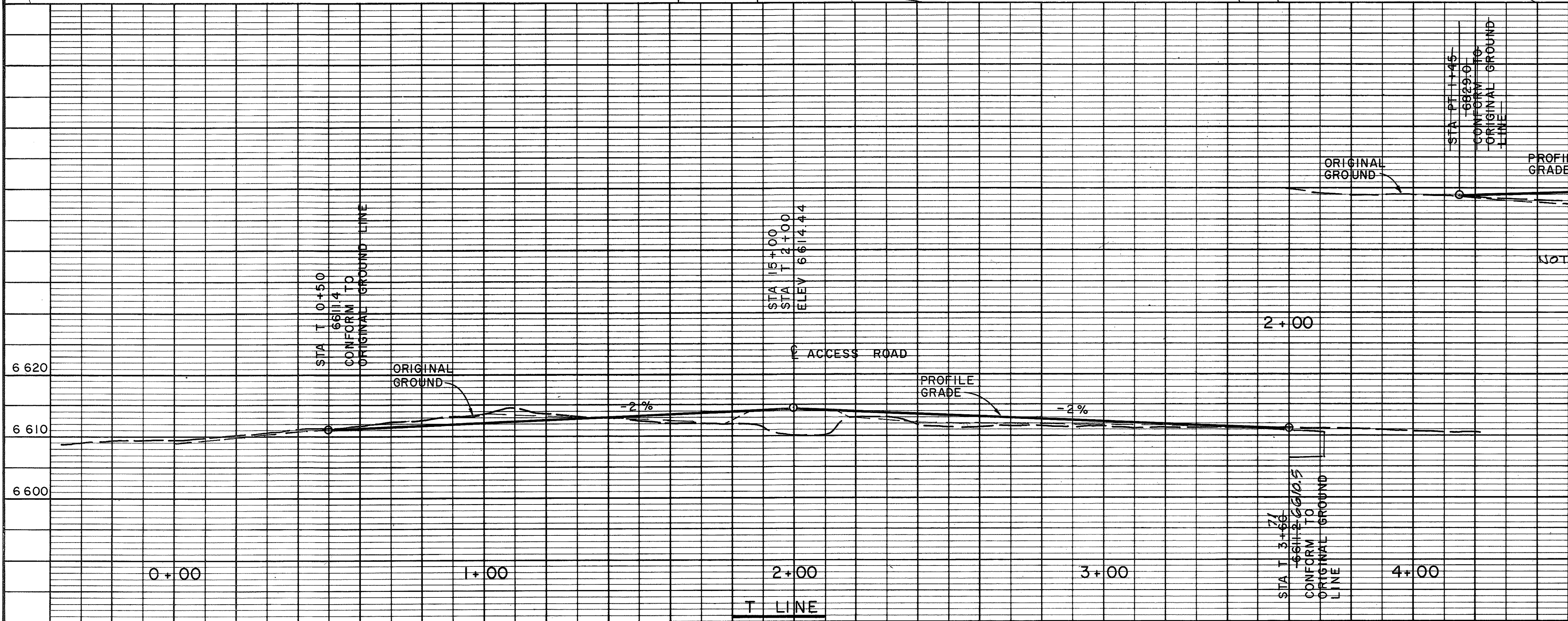
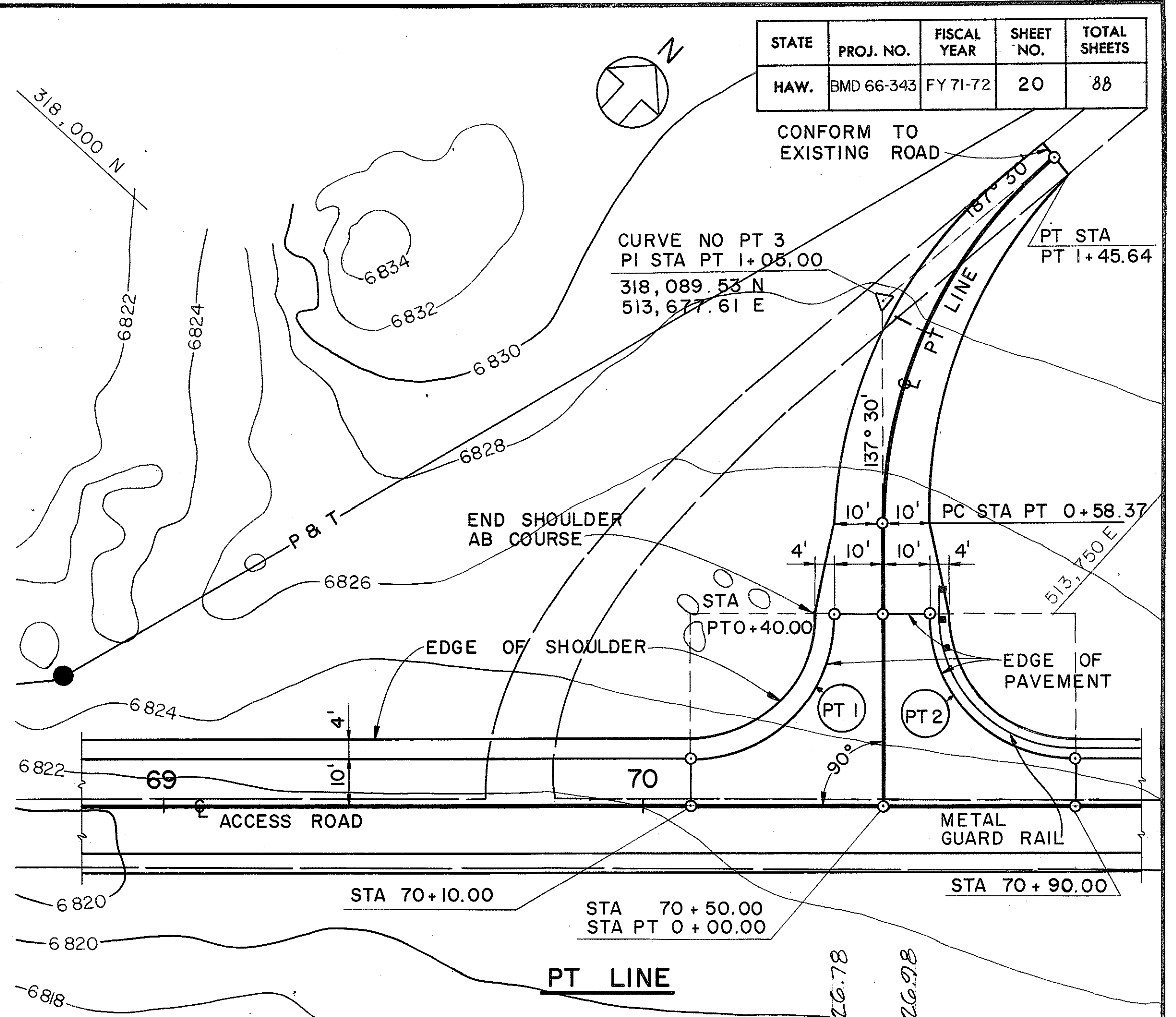


PLAN	SURVEYED	DATE
	PLANNED	BY
	NOTED	NO.
	NO.	

PROFILE	SURVEYED	DATE
	PLANNED	BY
	NOTED	NO.
	NO.	



CURVE DATA				
CURVE	Δ	R	T	L
T 1	90°00'	30.00'	30.00'	47.12'
T 2	90°00'	30.00'	30.00'	47.12'
T 3	90°00'	30.00'	30.00'	47.12'
T 4	90°00'	30.00'	30.00'	47.12'
PT 1	90°00'	30.00'	30.00'	47.12'
PT 2	90°00'	30.00'	30.00'	47.12'
PT 3	50°00'	100.00'	46.63'	87.27'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN AND PROFILE
T LINE & PT LINE
MAUNA KEA OBSERVATORY ACCESS ROAD
PROJ. NO. BMD 66 - 343

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 10'

REVISED: SEP. 1972
DATE: MARCH 1972

SHEET No. 2 OF 7 SHEETS C202

PLAN	DATE
SURVEYED	BY
NOTE BOOK	NO.
ALIGNED CHECKED	
RT. OF WAY CHECKED	

PROFILE	DATE
SURVEYED	BY
NOTE BOOK	NO.
GRADES CHECKED	
STRUCTURE DATAS CHKD.	

CURVE DATA				
CURVE	Δ	R	T	L
HS 1	88°36'	30.00'	29.28'	46.39'
HS 2	88°36'	30.00'	29.28'	46.39'
HS 3	91°28'	30.00'	30.78'	47.89'
HS 4	91°28'	30.00'	30.78'	47.89'

DOUBLE HUNG 4'x10' GATES
STA HS 1+59
FOR DETAILS SEE
STANDARD DETAILS
DWG NO DD607.3

CONFORM TO
ORIGINAL GROUND

EDGE OF PAVEMENT
STA HS 1+20
STA HS 1+59
STA HS 1+60.49
STA HS 2+00.00
STA HS 2+43.01
STA HS 3+43.01
STA HS 4+82.1

STA HS 1+59
STA HS 1+60.49
STA HS 2+00.00
STA HS 2+43.01
STA HS 3+43.01
STA HS 4+82.1

STRUCTURE NO 2
FOR DETAILS SEE
DWG NO C 502

STA 44+71.10

EDGE OF SHOULDER
STA 43+88.90

HS LINE RADIAL TO
ACCESS ROAD

HS LINE

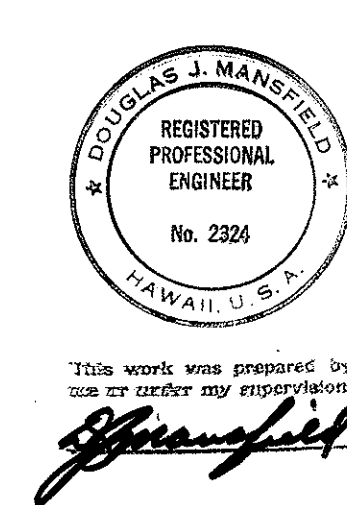
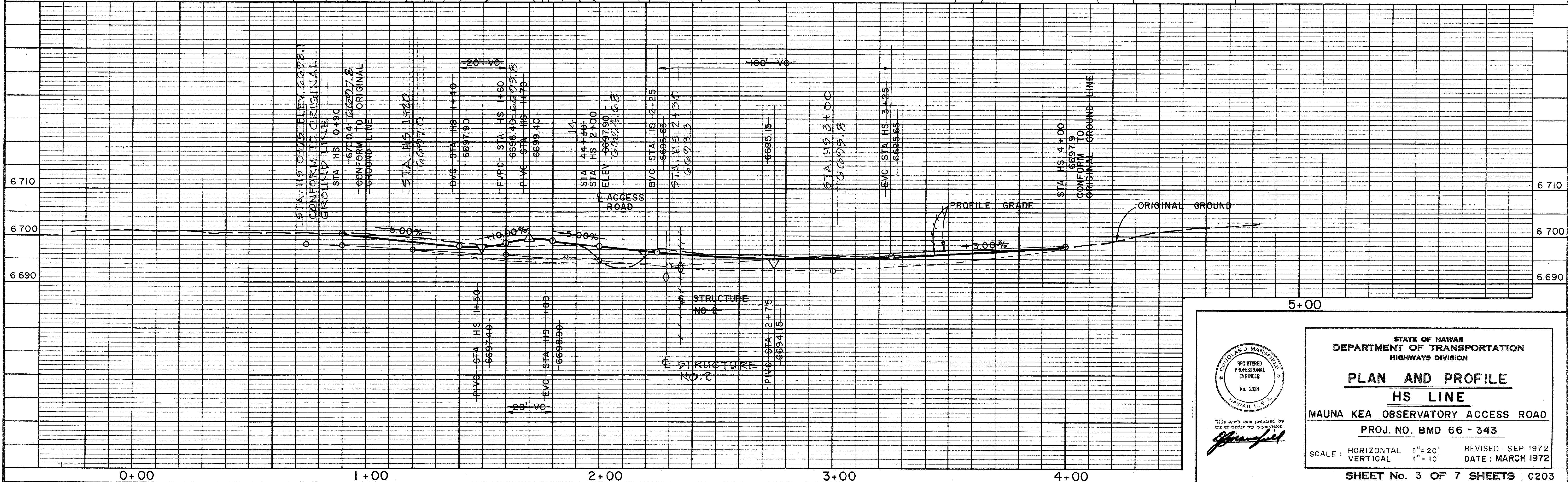
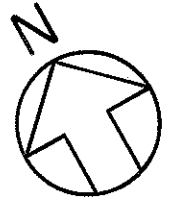
CONFORM TO
EXISTING ROAD

HUMUULA
SHEEP STATION

NOTES

1. FOR FENCE PLANS AND EXISTING
CATTLE GUARD SEE DWG NO C102.

STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	BMD 66-343	FY 71-72	21	88



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN AND PROFILE
HS LINE

MAUNA KEA OBSERVATORY ACCESS ROAD
PROJ. NO. BMD 66 - 343

SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=10'

REVISED SEP. 1972
DATE: MARCH 1972

SHEET No. 3 OF 7 SHEETS C203

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
NO.	B. III. 3 NOTED		
	STRUCTURE NOTAT'NS CHK'D.		

PLAN AND PROFILE
FR LINE & PK LINE
MAUNA KEA OBSERVATORY ACCESS ROAD
PROJ. NO. BMD 66 - 343

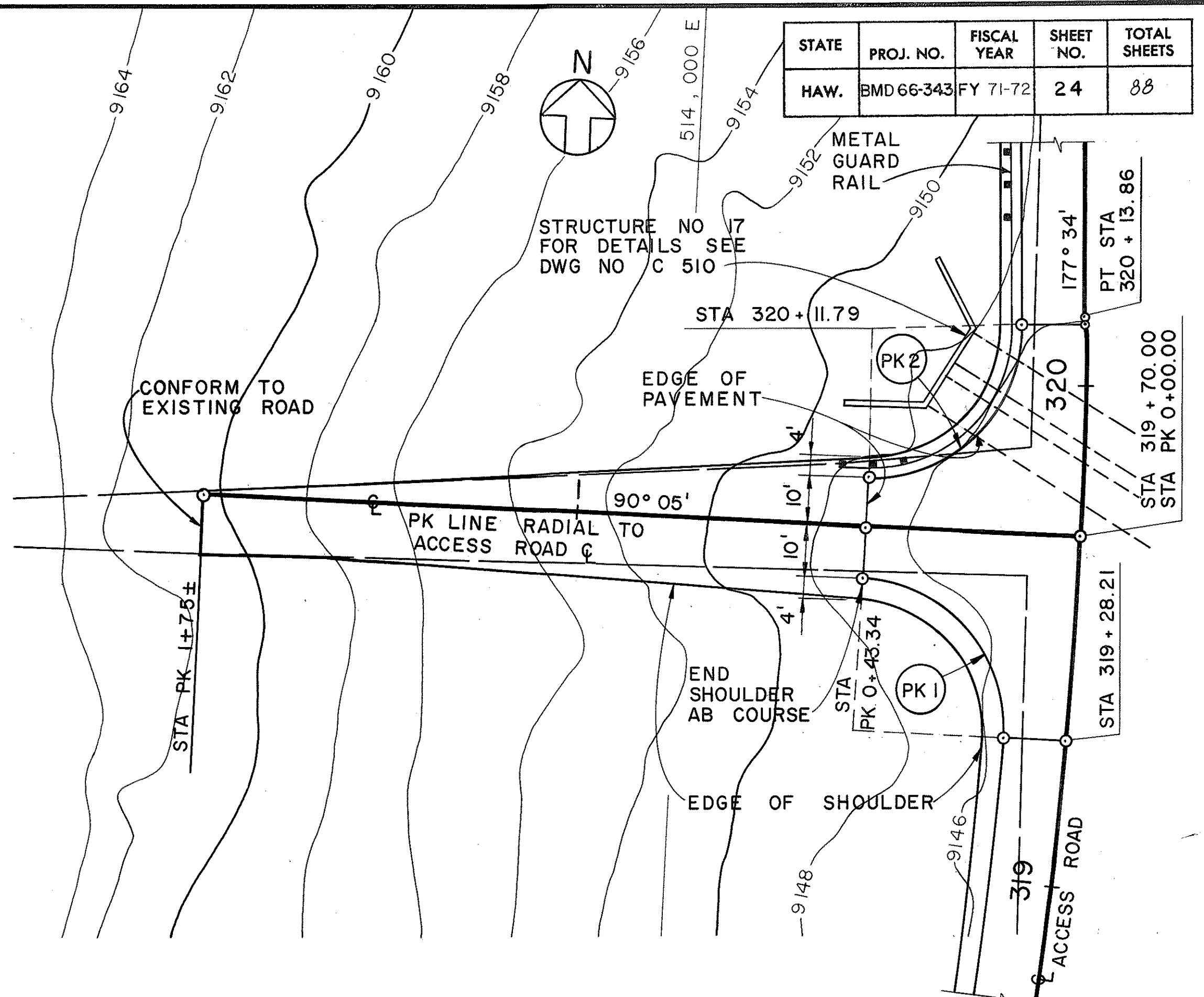
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DOUGLAS J. MANSFIELD
 REGISTERED PROFESSIONAL ENGINEER
 No. 2324
 HAWAII, U.S.A.

This work was prepared by me or under my supervision.
D. Mansfield

SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 10'

REVISED: SEP 1972
 DATE: MARCH 1972



DOUGLAS J. MANSFIELD
REGISTERED
PROFESSIONAL
ENGINEER
No. 2324
HAWAII U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN AND PROFILE
FR LINE & PK LINE

MAUNA KEA OBSERVATORY ACCESS ROAD

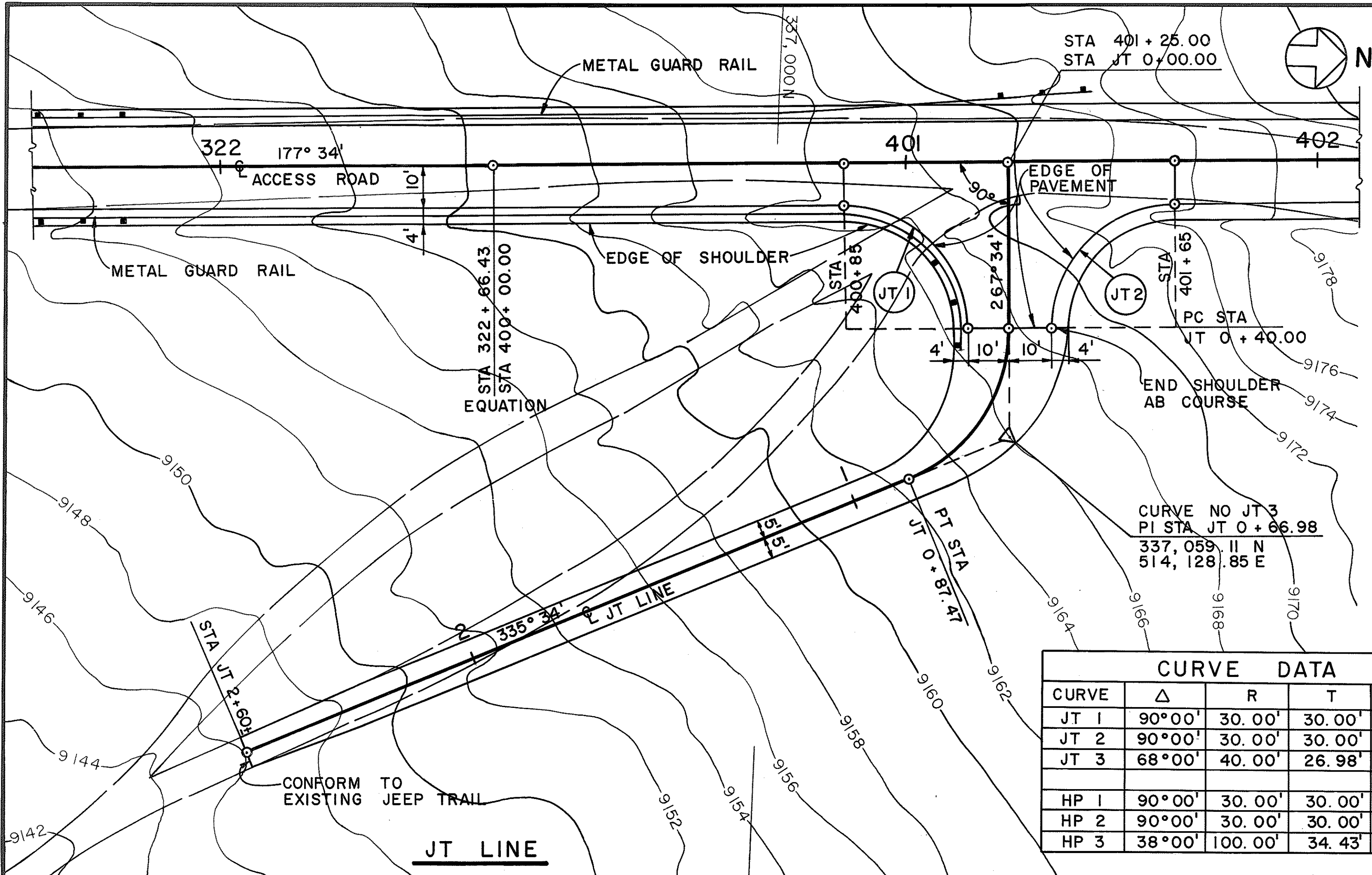
PROJ. NO. BMD 66 - 343

SCALE:	HORIZONTAL " = 20' VERTICAL " = 10'	REVISED : SEP 1972 DATE : MARCH 1972
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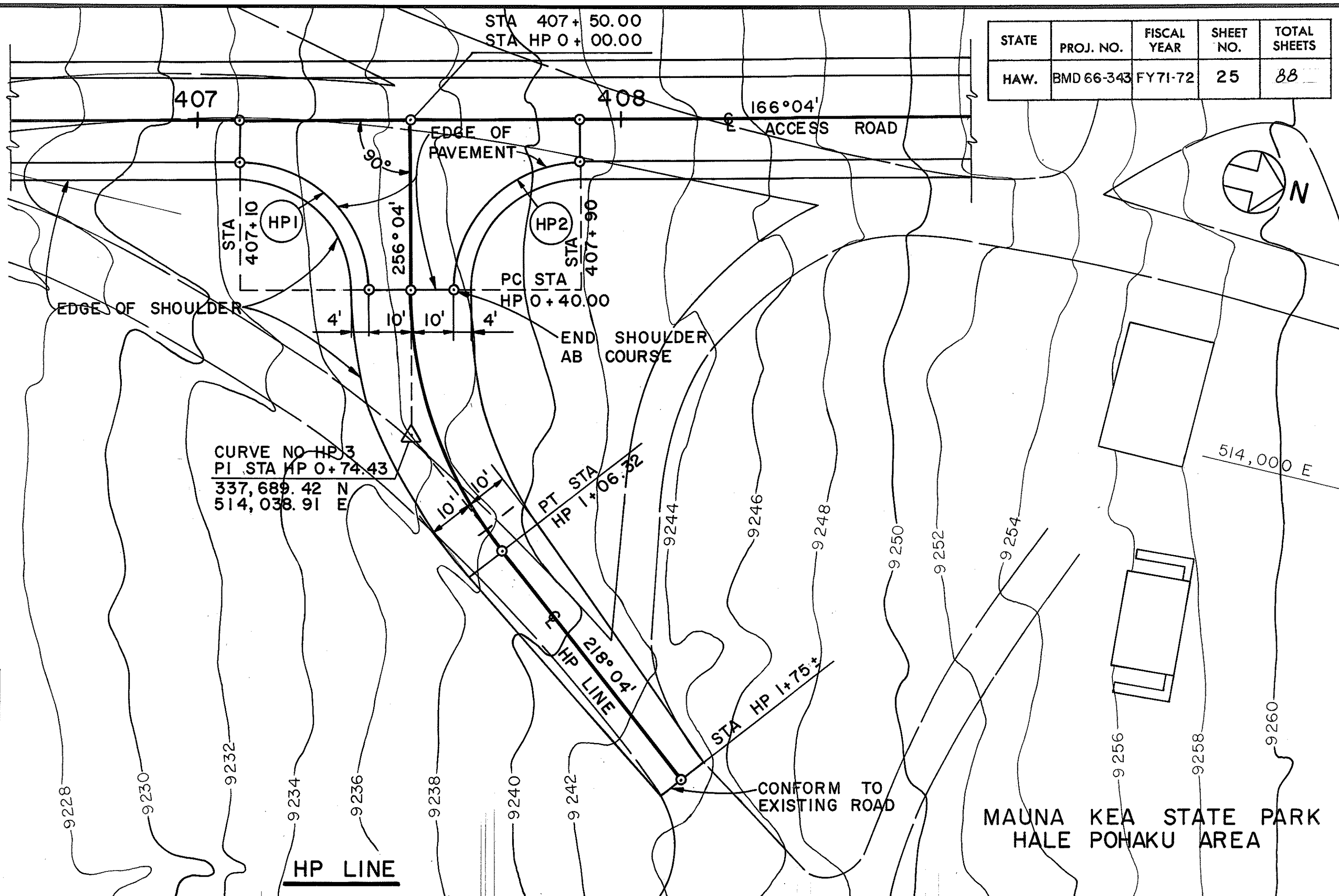
SHEET No. 6 OF 7 SHEETS **C206**

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	

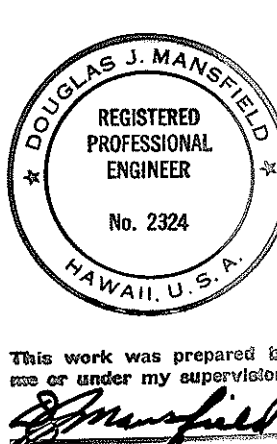
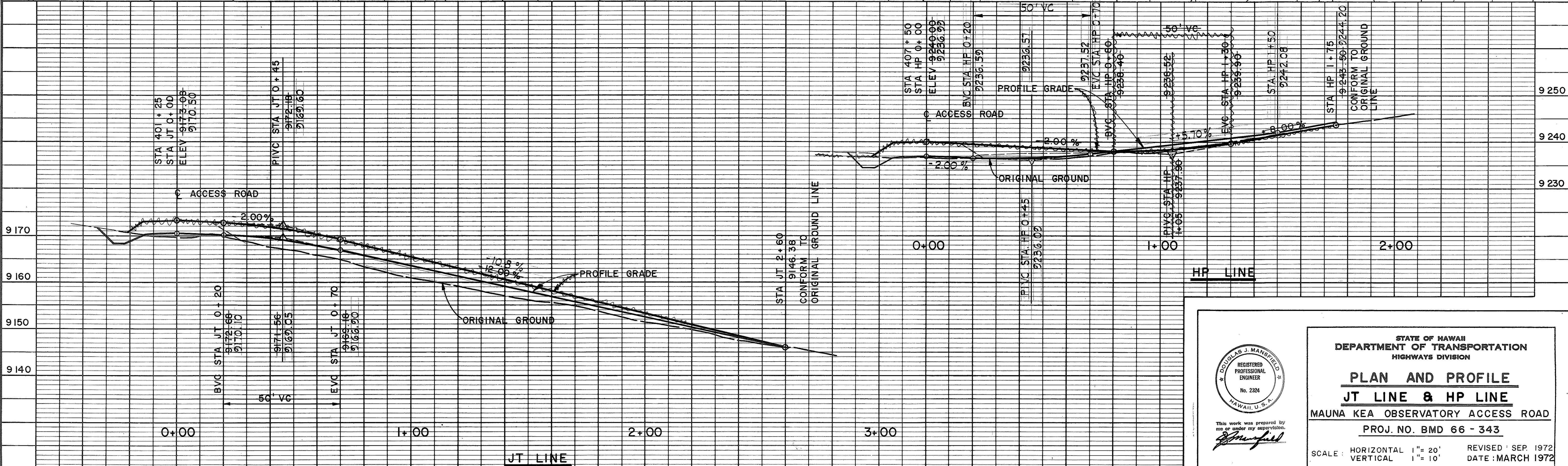
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE NOTATIONS CHKD.	



CURVE DATA				
CURVE	Δ	R	T	L
JT 1	90°00'	30.00'	30.00'	47.12'
JT 2	90°00'	30.00'	30.00'	47.12'
JT 3	68°00'	40.00'	26.98'	47.47'
HP 1	90°00'	30.00'	30.00'	47.12'
HP 2	90°00'	30.00'	30.00'	47.12'
HP 3	38°00'	100.00'	34.43'	66.32'



STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	BMD 66-343	FY 71-72	25	88



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN AND PROFILE
JT LINE & HP LINE
MAUNA KEA OBSERVATORY ACCESS ROAD

PROJ. NO. BMD 66 - 343

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 10'

REVISED: SEP. 1972
DATE: MARCH 1972

SHEET No. 7 OF 7 SHEETS C207