FED. ROAD DIV. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	WASH.				

SUMMARY OF QUANTITIES

PROJECT LIMITS:
MILE POST 0.23 TO MILE POST 7.63

LENGTH: 7.40 MILES

ITEM NO.	TOTAL QUANTITY	UNIT	ITEM	MILE 1 (PART.)	MILE 2	MILE 3	MILE 4	MILE 5	MILE 6	MILE 7	MILE 8 (PART.)
1	785	CU.YDS.	COMMON EXCAVATION INCLUDING HAUL	50	55	25	80	140	350	50	35
2	7.4	MILES	FINISHING ROADWAY	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.6
3	64	HOURS	SMOOTH WHEELED POWER ROLLER	7	6	8	9	9	11	8	6
4	22	M GALS.	WATER	2	3	3	3	3	3	3	2
5	3,940	CU.YDS.	CRUSHED STONE SURFACING TOP COURSE FROM STOCKPILE	420	385	470	540	535	695	530	365
			LIGHT BITUMINOUS SURFACE TREATMENT METHOD A								
6	3,250	SQ. YDS.	PREPARATION CONSTRUCTION, FINISHING								3,250
7	7	TONS	ASPHALT CEMENT MC-3								7
8	65	CU.YDS.	PLACING CRUSHED COVER STONE FROM STOCKPILE								65
			BITUMINOUS SURFACE TREATMENT PLANT MIX TYPE F								
9	7.4	MILES	PREPARATION OF BITUMINOUS TREATED ROADWAY	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.6
10	18	TONS	ASPHALT CEMENT FOR TACK COAT	1.9	2.4	2.4	2.4	2.4	2.4	2.4	1.7
11	14,950	TONS	PLANT MIX	1,470	1,880	1,840	1,980	2,025	2,225	1,920	1,610
			OTHER ITEM								
12	EST. 700	DOLLARS	FLAGGING								

NOTE. For special features see special provisions.

PRIMARY STATE HIGHWAY NO. 21
PORT GAMBLE TO KINGSTON
KITSAP COUNTY

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

E. C. HUNTLEY, CHAIRMAN
H. E. MORGAN — R. A. HOSSOV
O. E. STONE — H. E. KIMMEL

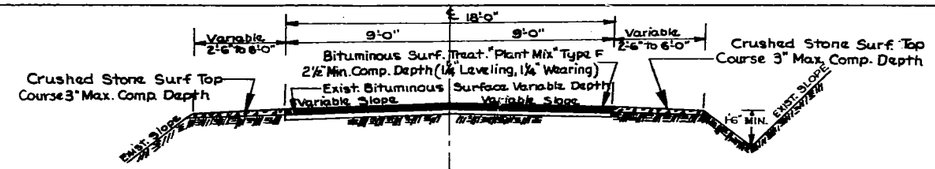
RICHARD BARBER — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

APPROVED: JUNE 12, 1957 Richard Barber
ACTING DIRECTOR OF HIGHWAYS

CONTRACT No. 5586 SHEET 1 OF 3 SHEETS

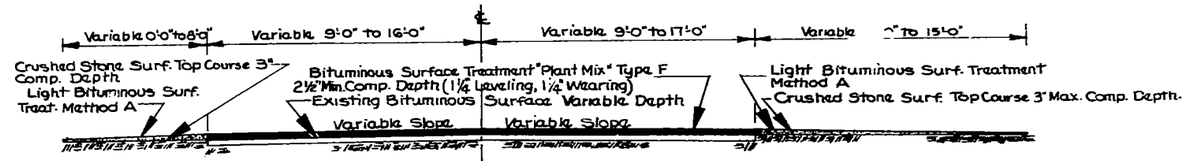
DRAWER 3-A B-21/105

FED ROAD DIV NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
8	WASH				



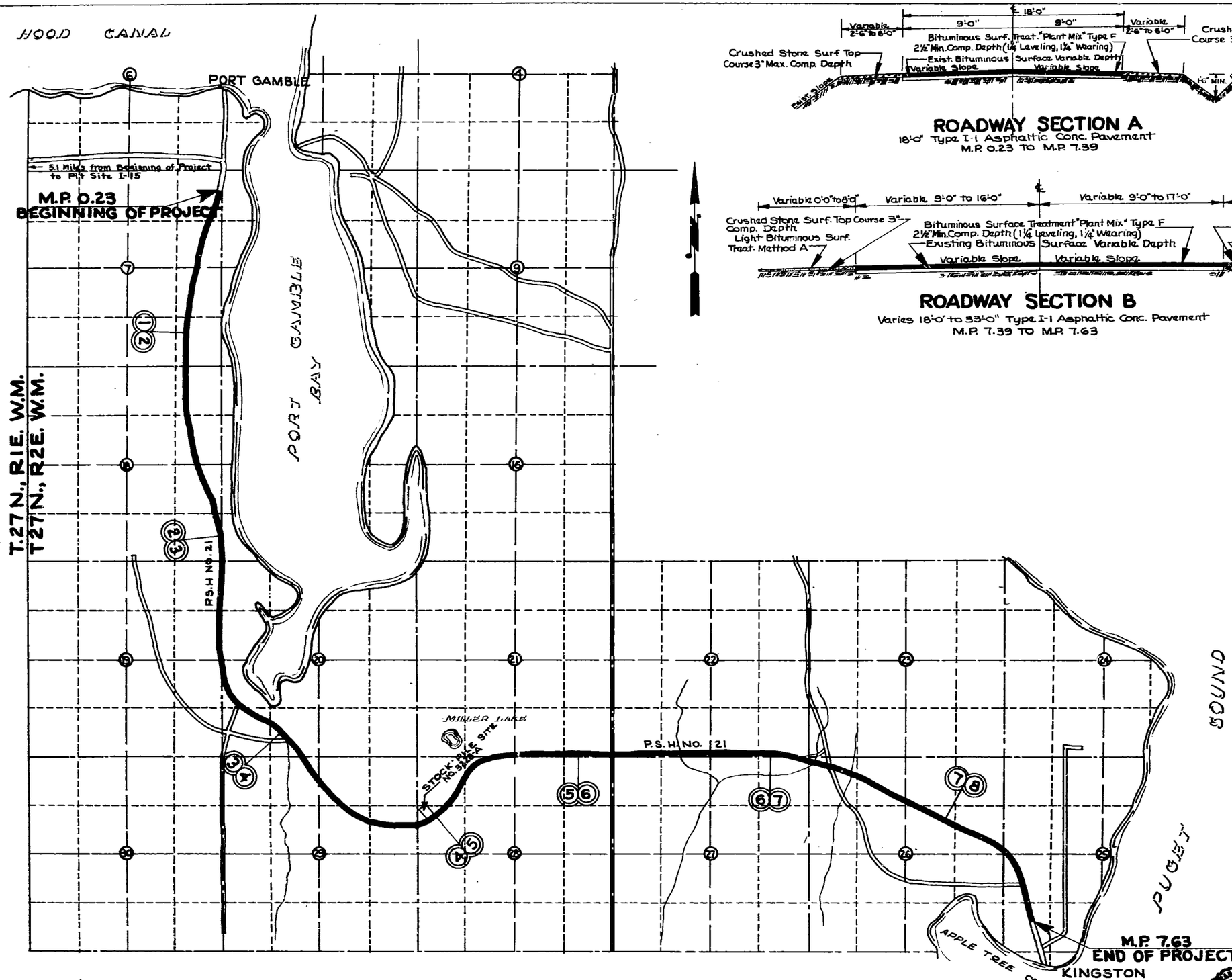
ROADWAY SECTION A

18'-0" Type I-1 Asphaltic Conc. Pavement
M.P. 0.23 TO M.P. 7.39



ROADWAY SECTION B

Varies 18'-0" to 33'-0" Type I-1 Asphaltic Conc. Pavement
M.P. 7.39 TO M.P. 7.63



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PORT GAMBLE TO KINGSTON

KITSAP COUNTY

WASHINGTON STATE HIGHWAY COMMISSION
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OLYMPIA, WASHINGTON

E. C. HUNTLEY, Chairman
H. E. MORGAN, Member — R. A. MORRIS, Member
OREN E. BONE, Member — R. E. HUNEKE, Member

APPROVED: JUNE 12, 1957

ACTING DIRECTOR OF HIGHWAYS

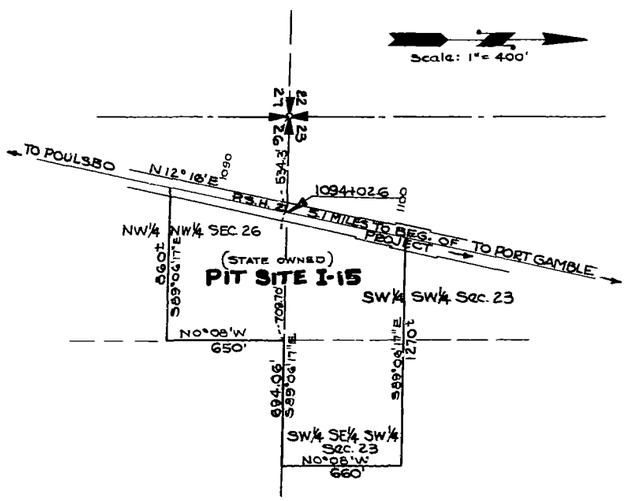
SHEET 2 OF 3 SHEETS

MICROFILM NUMBER 5586

34 B-21 105 D-3 278

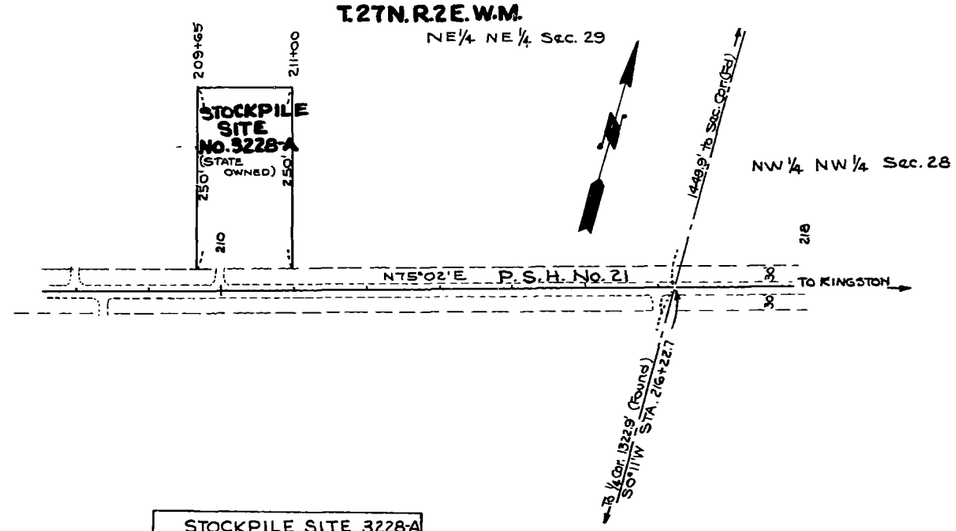
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	WASH				

T.27N. R.1E.W.M.



PIT SITE I-15
SOURCE OF
Mineral Aggregate for Bituminous
Surface Treatment "Plant Mix"
Type F
Raw Material Available 200,000 Cu.Yds.

T.27N. R.2E.W.M.



STOCKPILE SITE 3228-A
Existing in Stockpile
Crushed Stone Surfacing Top Course 4,020 Cu.Yds.
Crushed Cover Stone 1,320 Cu.Yds.

ROAD APPROACHES

MILE POST	LT. or RT.	CR. STONE SURF. TOP COURSE	BIT. SURF. TREAT. PLANT MIX TYPE F
0.24	Rt.	5 Cu. Yds.	
0.47	Lt.	35 " "	
0.49	Rt.	5 " "	
0.51	Lt.	15 " "	
0.60	Rt.	5 " "	
0.60	Lt.	5 " "	
0.79	Lt.	10 " "	
0.89	Lt.	5 " "	
0.91	Lt.	5 " "	
0.93	Lt.	5 " "	
0.99	Rt.	5 " "	
1.04	Rt. & Lt.	20 " "	
1.06	Lt.	5 " "	
1.09	Lt.	5 " "	
1.51	Rt.	5 " "	
2.04	Lt.	5 " "	
2.30	Lt.	5 " "	
2.31	Rt.	5 " "	
2.36	Lt.	5 " "	
2.41	Lt.	5 " "	
2.41	Rt.	5 " "	
2.46	Lt.	5 " "	
2.49	Lt.	5 " "	
2.51	Lt.	5 " "	
2.60	Lt.	5 " "	
2.70	Lt.	5 " "	
2.86	Rt.		30 TONS
2.91	Rt.	10 Cu. Yds.	
3.03	Lt.	5 " "	
3.05	Lt.	5 " "	
3.06	Rt.	5 " "	
3.08	Lt.	5 " "	
3.17	Rt.	5 " "	
3.25	Lt.	5 " "	
3.26	Rt.	5 " "	
3.39	Lt.	5 " "	
3.80	Rt.	10 " "	
3.81	Rt.		30 TONS
3.85	Rt.		40 TONS
3.89	Lt.	5 Cu. Yds.	
3.94	Lt.	5 " "	

MILE POST	LT. or RT.	CR. STONE SURFACING TOP COURSE	BIT. SURF. TREAT. PLANT MIX TYPE F
3.95	Rt.	5 Cu. Yds.	
3.98	Lt.	5 " "	
4.09	Rt.		15 TONS
4.20	Lt.	5 Cu. Yds.	
4.21	Rt.	5 " "	
4.26	Lt.	5 " "	
4.31	Lt.	5 " "	
4.34	Rt.	5 " "	
4.43	Rt.	5 " "	
4.46	Rt.	5 " "	
4.52	Rt.	5 " "	
4.52	Lt.	5 " "	
4.61	Rt.		20 TONS
4.66	Lt.	5 Cu. Yds.	
4.70	Rt.		20 TONS
4.78	Lt.	5 " "	
4.89	Rt.	5 " "	
5.10	Rt.	5 " "	
5.15	Lt.	5 " "	
5.19	Rt.	15 " "	
5.21	Rt. & Lt.		45 TONS
5.24	Lt.	5 Cu. Yds.	
5.30	Rt.	5 " "	
5.33	Lt.	5 " "	
5.35	Lt.	5 " "	
5.46	Rt.	5 " "	
5.49	Lt. & Rt.	10 " "	
5.52	Rt.	5 " "	
5.54	Rt.	5 " "	
5.57	Rt.	5 " "	
5.58	Lt.	5 " "	
5.60	Lt.	5 " "	
5.67	Rt.	5 " "	
5.71	Rt.	5 " "	
5.73	Lt.	5 " "	
5.81	Lt.	5 " "	
5.91	Lt.	5 " "	
5.92	Rt.	5 " "	
5.96	Lt.	5 " "	
5.97	Rt.	5 " "	
6.13	Lt.	5 " "	
6.14	Rt.	5 " "	

MILE POST	LT. or RT.	CR. STONE SURFACING TOP COURSE	BIT. SURF. TREAT. PLANT MIX TYPE F
6.18	Lt.		10 TONS.
6.19	Rt.	10 Cu. Yds.	
6.20	Rt.	10 " "	
6.30	Rt. & Lt.		30 TONS
6.39	Lt.	10 Cu. Yds.	
6.54	Lt.	5 "	
6.67	Lt.	5 "	
6.73	Lt.	5 "	
6.78	Lt.	5 "	
6.79	Rt.	5 "	
6.87	Lt.	5 "	
6.89	Rt.	5 "	
6.97	Lt.	5 "	
7.09	Lt.		20 TONS
7.10	Rt.	5 Cu. Yds.	
7.12	Lt.	15 "	
7.15	Lt.	5 "	
7.16	Rt.	5 "	
7.17	Rt.	5 "	
7.20	Lt.	5 "	
7.29	Rt.	15 "	
7.30	Lt.	5 "	
7.31	Rt.		30 TONS
7.32	Lt.	5 Cu. Yds.	
7.33	Rt.	25 " "	
7.36	Lt.		15 TONS
7.36	Rt.	5 Cu. Yds.	
7.38	Rt.	5 " "	
7.44	Rt.		10 TONS
7.48	Lt.	10 Cu. Yds.	
7.48	Rt.		30 TONS
7.52	Rt. & Lt.		50 TONS
7.59	Rt. & Lt.		25 TONS

NOTE: For Special Features See Special Provisions

PAVEMENT REMOVAL

MILE POST	COMMON EXCAV. INCLUDING HAUL	CR. STONE SURF. TOP COURSE	BIT. SURF. TREAT. PLANT MIX TYPE F
0.57 - 0.63	20 Cu. Yds.	10 Cu. Yds.	22 TONS
0.86 - 0.89	30 " "	15 " "	38 "
1.21 - 1.23	40 " "	21 " "	42 "
1.27 - 1.28	5 " "	3 " "	6 "
1.47 - 1.49	5 " "	3 " "	6 "
1.86 - 1.88	5 " "	3 " "	6 "
2.83 - 2.85	15 " "	10 " "	20 "
2.97 - 2.99	10 " "	5 " "	10 "
3.14 - 3.16	10 " "	5 " "	11 "
3.22 - 3.25	45 " "	23 " "	52 "
3.36 - 3.38	10 " "	5 " "	11 "
3.64 - 3.66	5 " "	2 " "	5 "
3.67 - 3.69	10 " "	5 " "	11 "
4.00 - 4.06	30 " "	15 " "	32 "
4.11 - 4.40	100 " "	50 " "	107 "
4.90 - 4.91	5 " "	3 " "	6 "
4.93 - 5.00	5 " "	2 " "	5 "
5.00 - 5.02	10 " "	5 " "	10 "
5.13 - 5.18	15 " "	7 " "	17 "
5.24 - 5.32	155 " "	79 " "	155 "
5.36 - 5.42	30 " "	15 " "	33 "
5.45 - 5.49	25 " "	12 " "	27 "
5.53 - 5.57	70 " "	35 " "	72 "
5.62 - 5.64	15 " "	7 " "	15 "
5.67 - 5.63	5 " "	3 " "	6 "
5.70 - 5.74	25 " "	12 " "	27 "
6.08 - 6.10	15 " "	7 " "	18 "
6.48 - 6.50	10 " "	5 " "	12 "
6.70 - 6.75	15 " "	8 " "	18 "
6.96 - 6.98	10 " "	5 " "	12 "
7.14 - 7.15	5 " "	3 " "	6 "
7.18 - 7.19	5 " "	2 " "	6 "
7.24 - 7.26	10 " "	6 " "	11 "
7.41 - 7.45	15 " "	9 " "	17 "

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OSCAR E. STONE, Member — R. E. FOSSEL, Member

APPROVED: JUNE 12, 1957

ACTING DIRECTOR OF HIGHWAYS

RICHARD BARBER — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
WILLIAM A. BUNGE — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SHEET 3 OF 3 SHEETS

CONTRACT NUMBER 5586

3-A

B-21
105

DATE	BY	AS

AS TO LINES, GRADES, HIGHWAY OF WAY, BORROW, & RESULTING RECREATION

DATE	
8-28-57	

R.H.E.
S.L. Parr
J.S. Claypool

DRAWN
TRACED
CHECKED
CHECKED
CHECKED