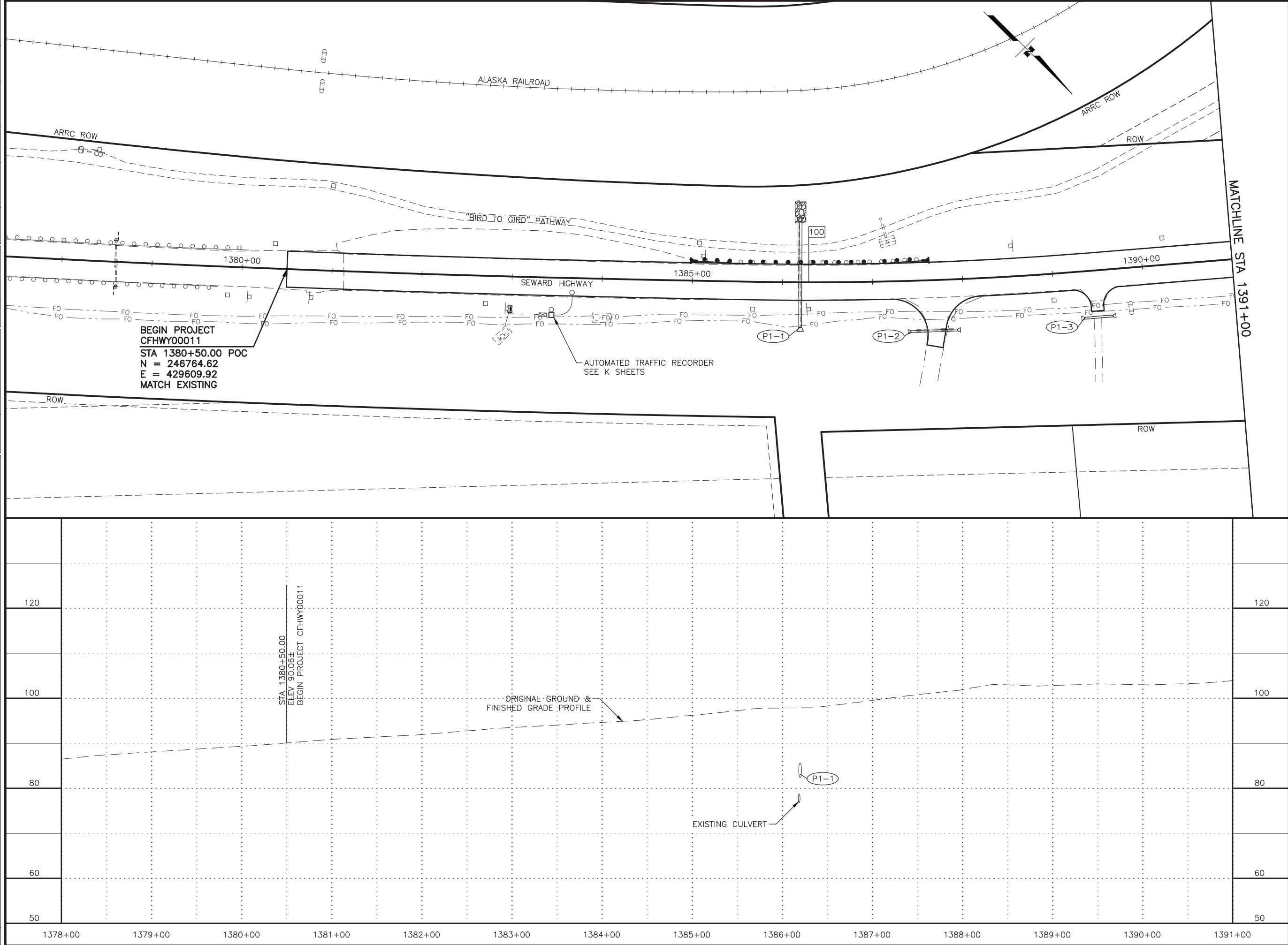


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SHEET NO.	F1	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			

TO ANCHORAGE

TO GREENWOOD

INDIAN RD

BORETIDE RD

INDIAN CREEK

SEWARD HIGHWAY

BIRD CREEK

BUSHNELL RD

SAWMILL RD

BEAR CREEK

BOP
STA 1380+50

STATE OF ALASKA
★ 49TH ★
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

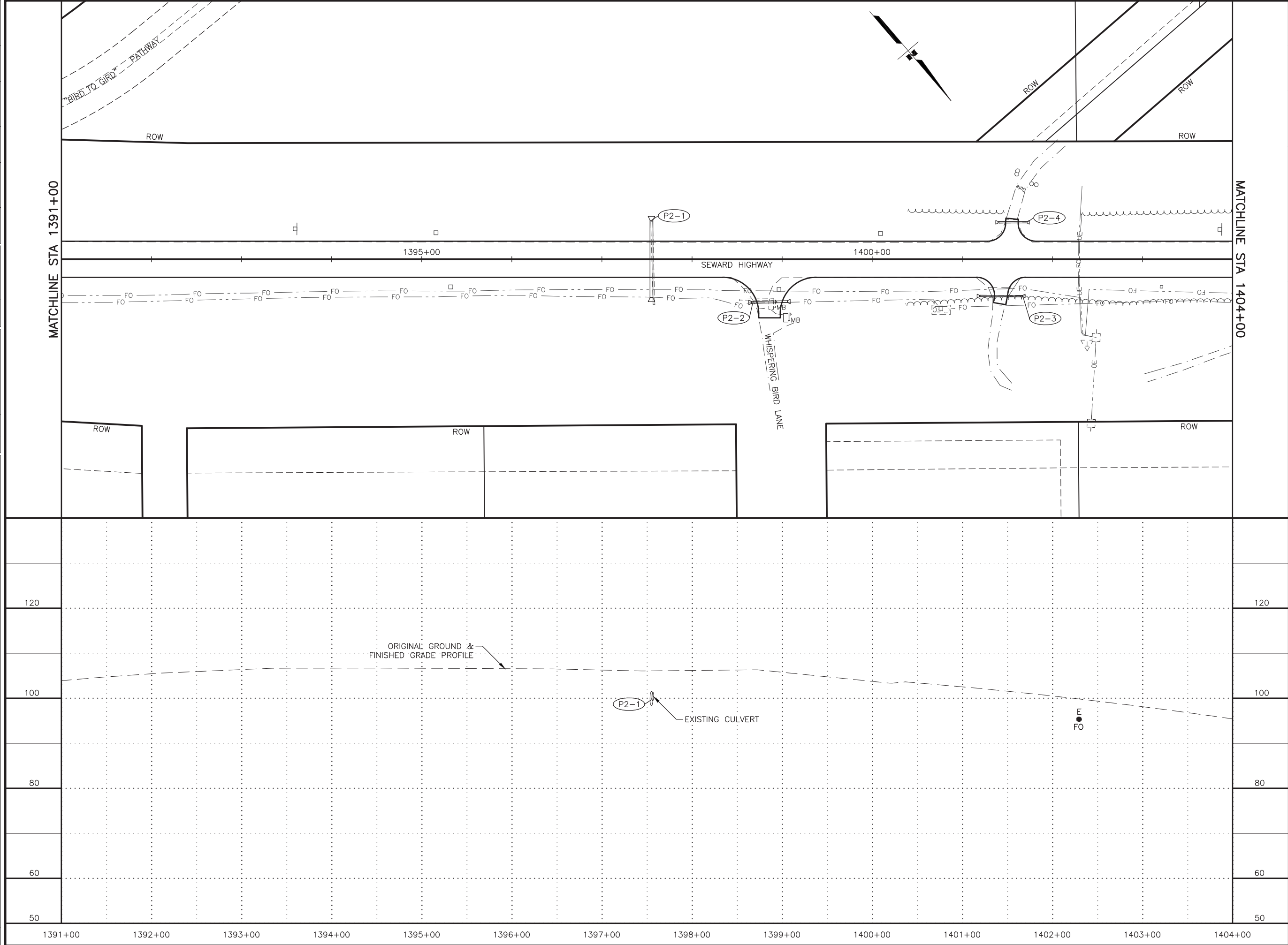
R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SEWARD HIGHWAY
PLAN & PROFILE
STA 1380+50 TO 1391+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:03 PM F2 LAYOUT DESIGNED CHECKED DRAFTED



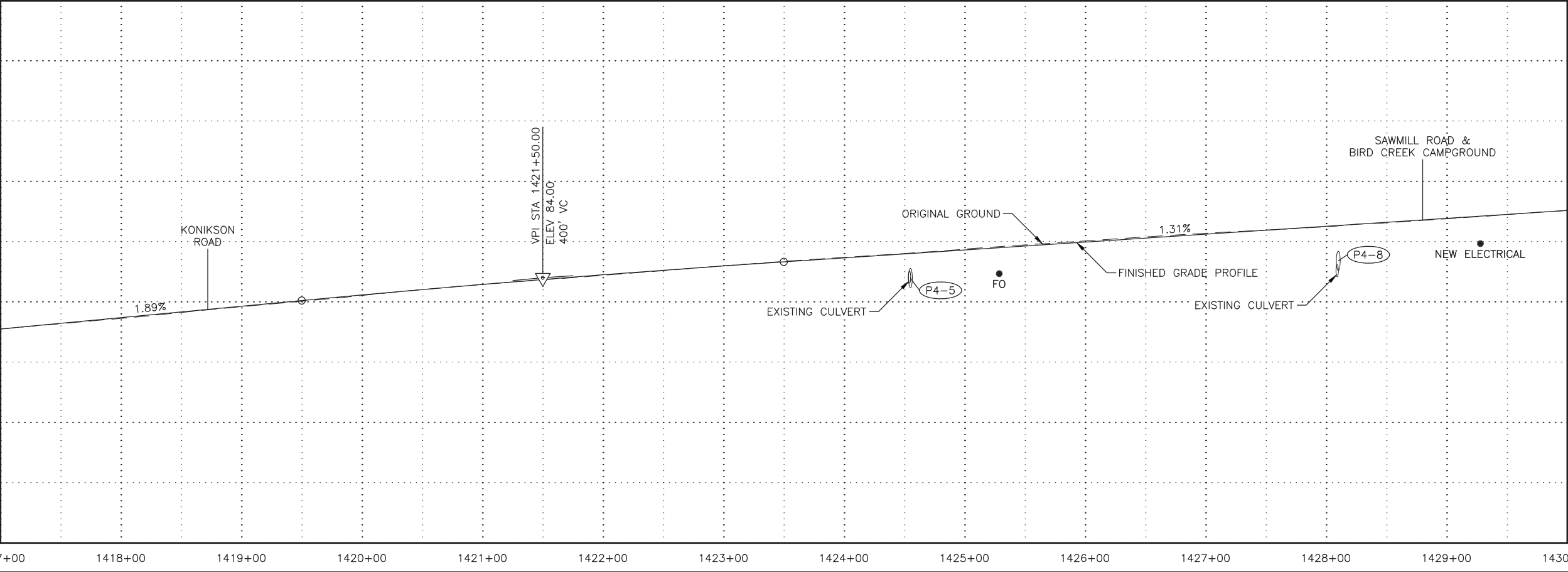
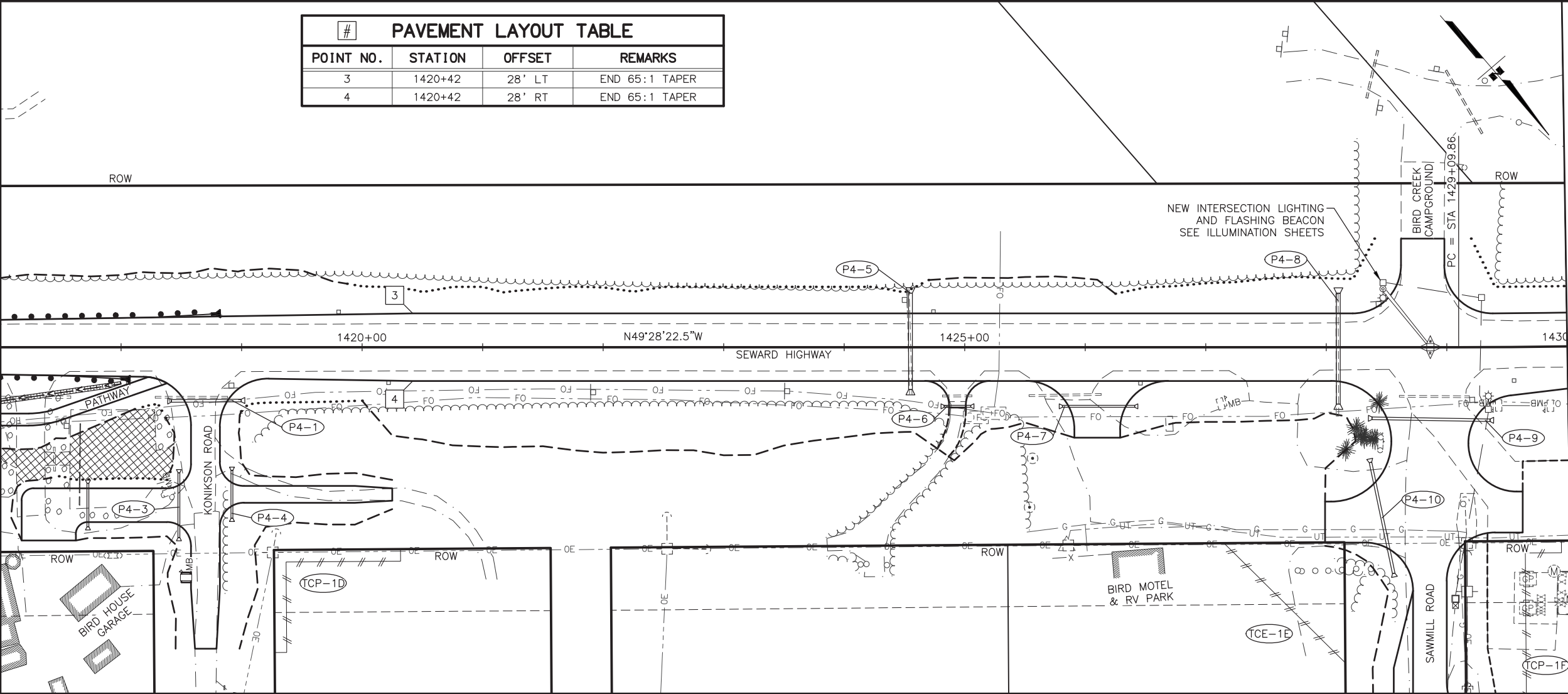
SHEET NO.	F2	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1391+00 TO 1404+00			

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG DATE/TIME 2/3/2019 2:03 PM LAYOUT F4 DESIGNED CHECKED DRAFTED

#	PAVEMENT LAYOUT TABLE		
POINT NO.	STATION	OFFSET	REMARKS
3	1420+42	28' LT	END 65:1 TAPER
4	1420+42	28' RT	END 65:1 TAPER

MATCHLINE STA 1417+00

MATCHLINE STA 1430+00



SHEET NO.	F4	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1417+00 TO 1430+00			

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:03 PM F5 LAYOUT DESIGNED CHECKED DRAFTED

#	PAVEMENT LAYOUT TABLE			
POINT NO.	STATION	OFFSET	REMARKS	
5	1437+30	28' LT	BEGIN 65:1 TAPER	
6	1437+30	28' RT	BEGIN 65:1 TAPER	
7	1442+50	20' LT	END 65:1 TAPER	
8	1442+50	20' RT	END 65:1 TAPER	

MATCHLINE STA 1430+00

MATCHLINE STA 1443+00

STA 1443+00.00
END PROJECT Z570880000
BEGIN PROJECT CFHWY00011

ESSENTIAL ONE
GAS STATION

SEWARD HIGHWAY

EL-ROCKO LANE

STELLER'S JAY
LANE

EL-ROCKO
LANE

STA 1443+00.00
ELEV 90.22±
MATCH EXISTING

FINISHED GRADE PROFILE

ORIGINAL GROUND

EXISTING CULVERT

EXISTING CULVERT

1.31%

VPI STA 1437+00.00
ELEV 105.17
1200' VC

120

120

100

100

80

80

60

60

50

50

1430+00 1431+00 1432+00 1433+00 1434+00 1435+00 1436+00 1437+00 1438+00 1439+00 1440+00 1441+00 1442+00 1443+00

SHEET NO.
F5

TOTAL SHEETS
F38

STATE
ALASKA

YEAR
2019

PROJECT DESIGNATION
0A31056/CFHWY00011
0001497/Z570880000

NO.

REVISION

DATE

NO.

REVISION

DATE

NO.

REVISION

DATE

PS&E REVIEW
FEBRUARY 2019

TO ANCHORAGE

TO GIRDWOOD

INDIAN RD

BORETIDE RD

INDIAN CREEK

SEWARD HIGHWAY

BIRD CREEK

BUSHNELL RD

SAWMILL RD

BEAR CREEK

BOP STA 1380+50

STATE OF ALASKA

49th

PROJECT ENGINEER

0000

REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.

9101 VANGUARD DRIVE

ANCHORAGE, AK 99507

(907) 522-1707

CERT. OF AUTH. NO. AECC111

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES

SEWARD HIGHWAY PLAN & PROFILE

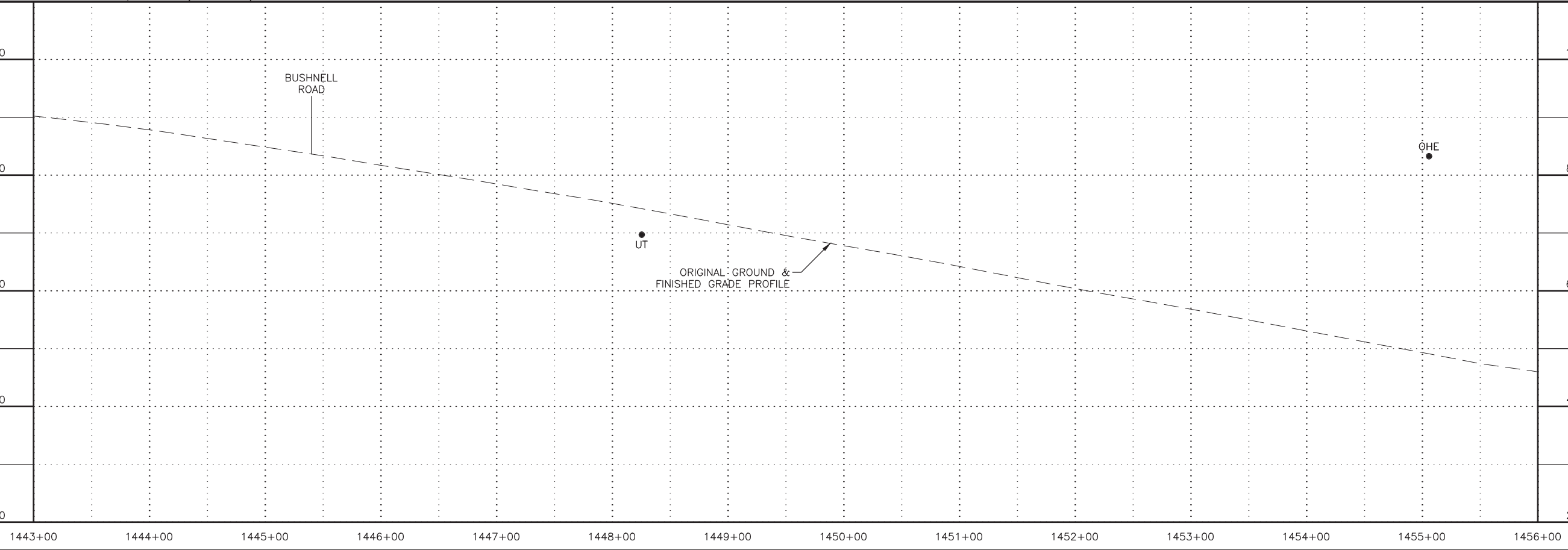
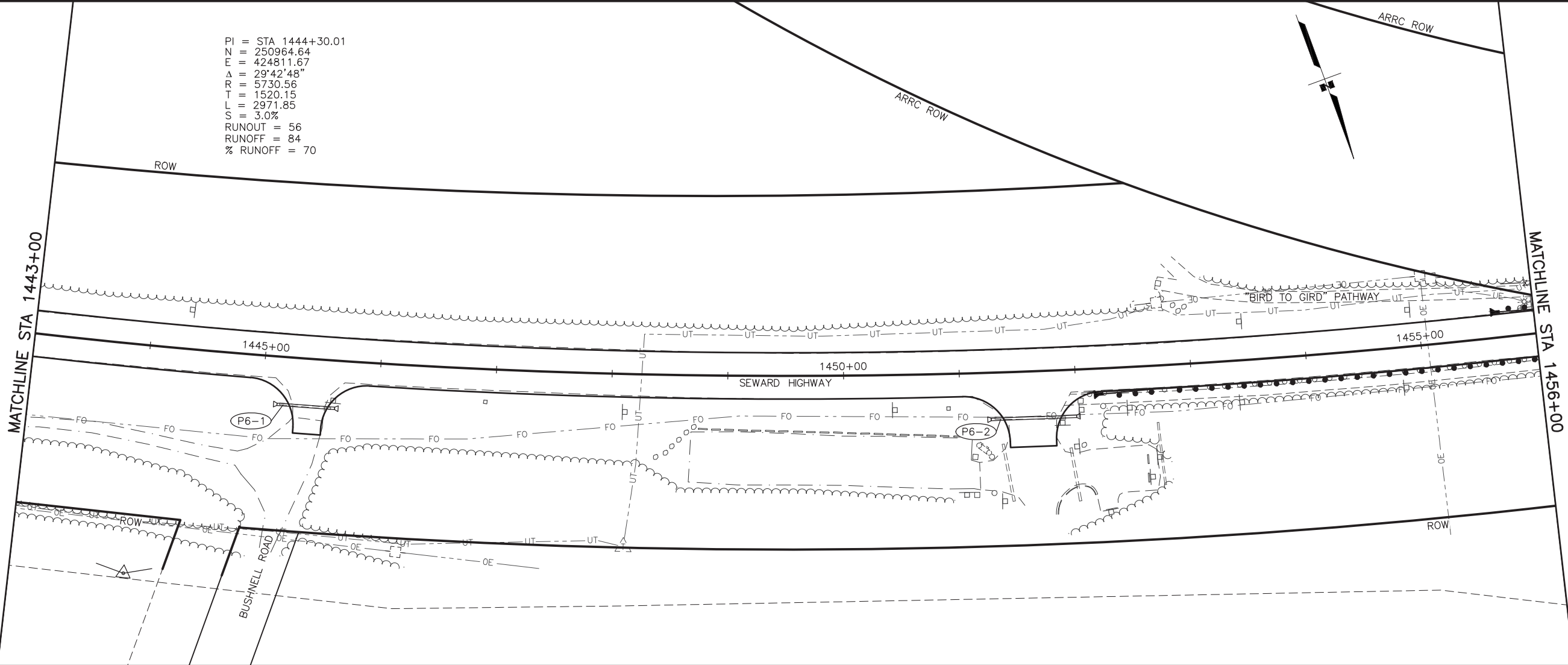
STA 1430+00 TO 1443+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F01.DWG DATE/TIME 2/3/2019 2:04 PM LAYOUT F6 DESIGNED CHECKED DRAFTED

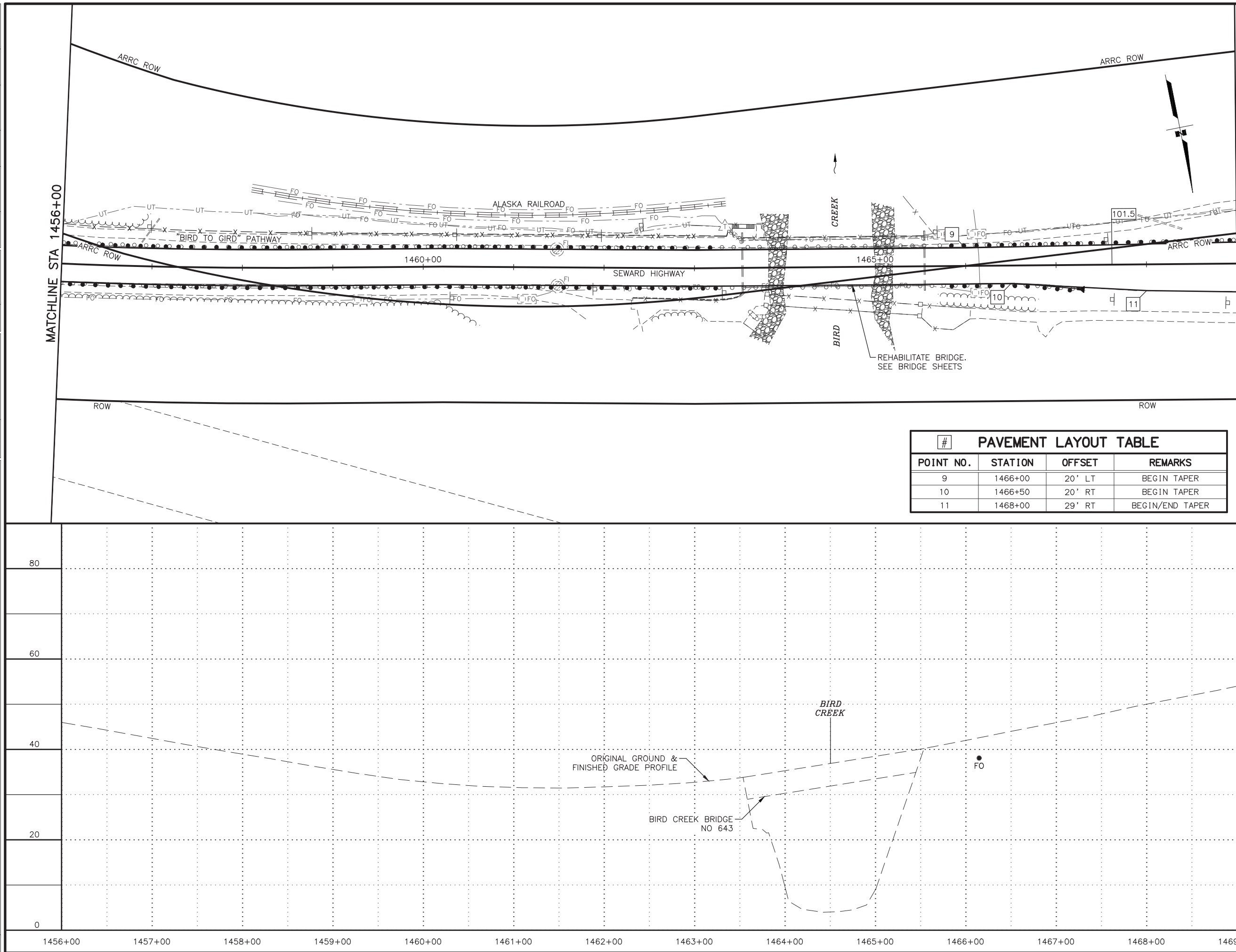
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N = 250964.64
E = 424811.67
Δ = 29°42'48"
R = 5730.56
T = 1520.15
L = 2971.85
S = 3.0%
RUNOUT = 56
RUNOFF = 84
% RUNOFF = 70

MATCHLINE STA 1443+00

MATCHLINE STA 1456+00



SHEET NO.	TOTAL SHEETS
F6	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1443+00 TO 1456+00	



SHEET NO.	TOTAL SHEETS
F7	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AEEC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1456+00 TO 1469+00	

CHUGACH STATE PARK
BIRD CREEK
PARKING LOT

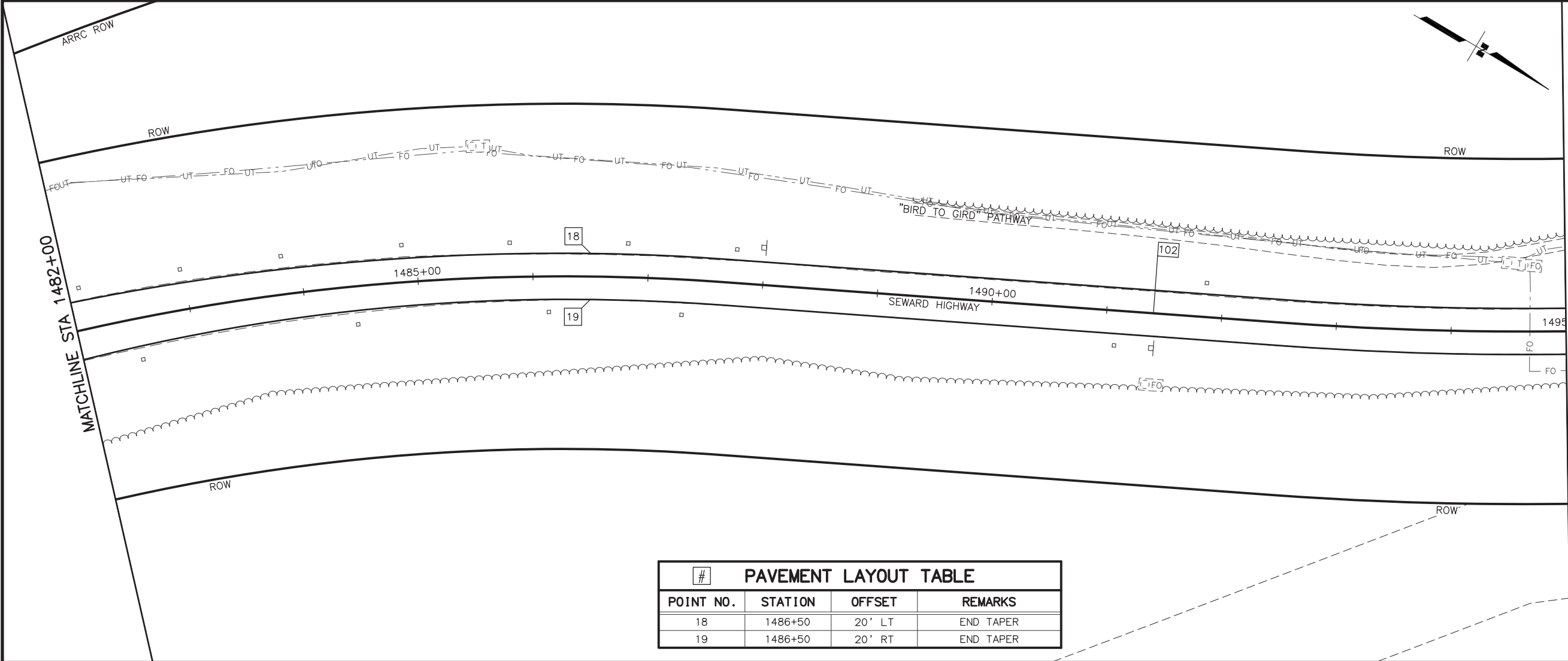
ORIGINAL GROUND &
FINISHED GRADE PROFILE

Station	Original Ground Elevation (ft)	Finished Grade Elevation (ft)
1469+00	52	52
1470+00	55	55
1471+00	58	58
1472+00	62	62
1473+00	65	65
1474+00	68	68
1475+00	72	72
1476+00	75	75
1477+00	78	78
1478+00	82	82
1479+00	85	85
1480+00	88	88
1481+00	92	92
1482+00	95	95

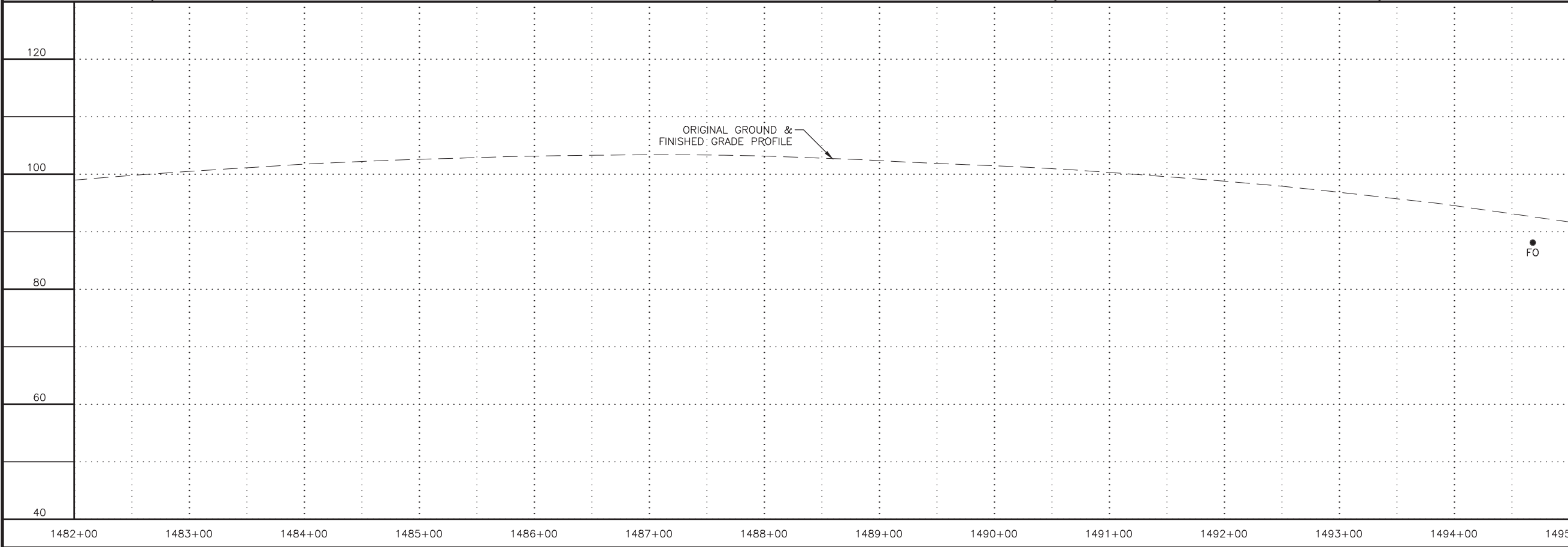
The map shows the Turnagain Arm area with a proposed road alignment. The alignment is marked with stationing from STA 1380+50 (BOP) to STA 1658+50 (EOP). The road is labeled "SEWARD HIGHWAY". Key landmarks include Indian Rd, Boretide Rd, Indian Creek, Bird Creek, Bushnell Rd, Sawmill Rd, and Bear Creek. The map also shows the "TO ANCHORAGE" and "TO GIRDWOOD" directions. The area is shaded with a stippled pattern.



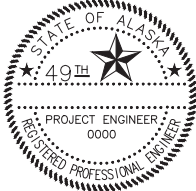
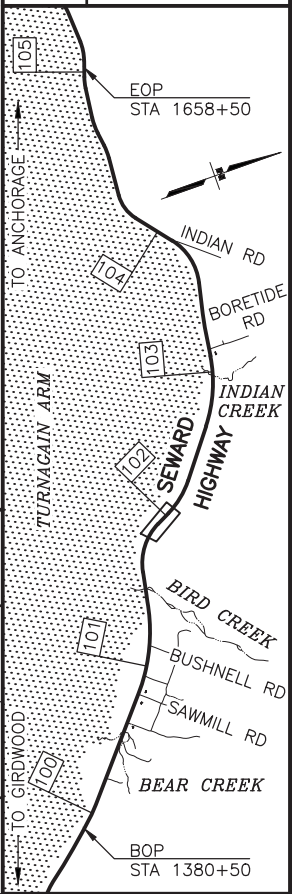
FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:04 PM [LAYOUT] F9 DESIGNED CHECKED DRAFTED



#	PAVEMENT LAYOUT TABLE		
POINT NO.	STATION	OFFSET	REMARKS
18	1486+50	20' LT	END TAPER
19	1486+50	20' RT	END TAPER



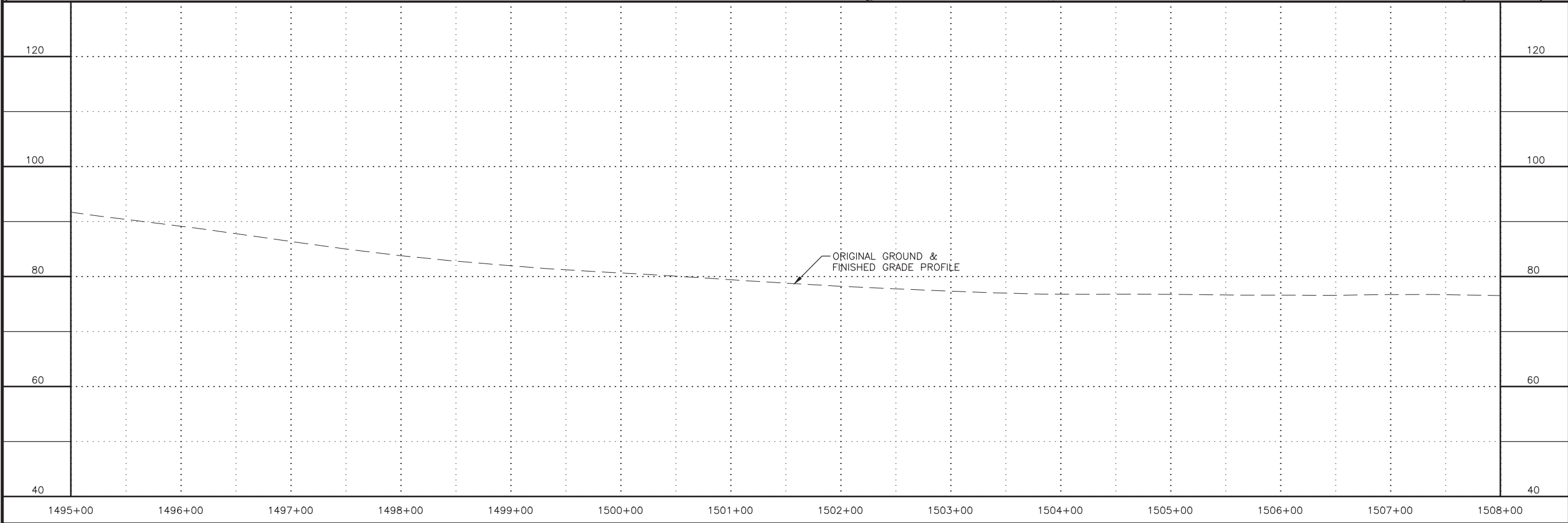
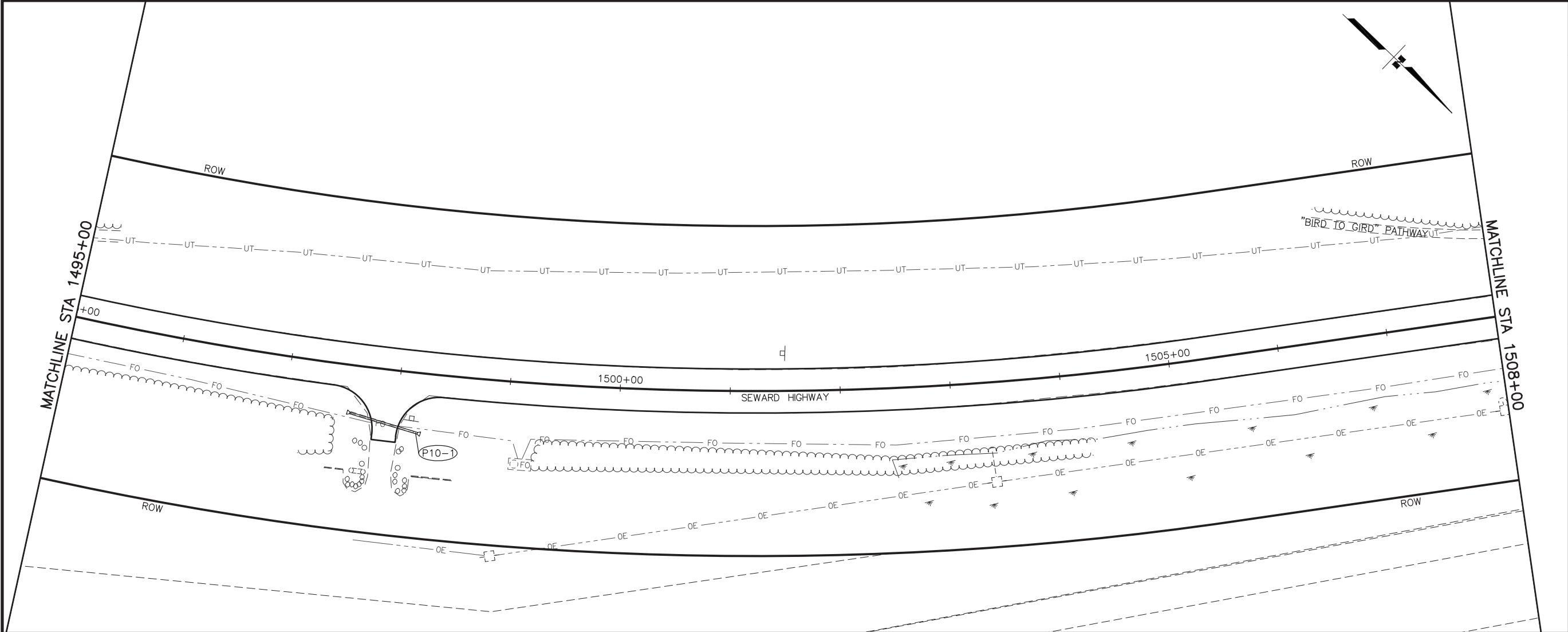
SHEET NO.	TOTAL SHEETS
F9	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	



R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
SEWARD HIGHWAY
PLAN & PROFILE
STA 1482+00 TO 1495+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:04 PM LAYOUT F10 DESIGNED CHECKED DRAFTED



SHEET NO.	F10	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			

STATE OF ALASKA
★ 49th ★
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
SEWARD HIGHWAY
PLAN & PROFILE
STA 1495+00 TO 1508+00

FILE

Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG

DATE/TIME

2/3/2019 2:04 PM

LAYOUT

F11

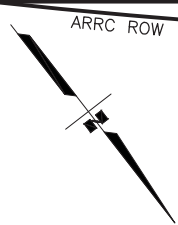
DESIGNED

CHECKED

DRAFTED

MATCHLINE STA 1508+00

MATCHLINE STA 1521+00



ROW

ROW

"BIRD TO CIRD" PATHWAY

102.5

1510+00

1515+00

1520+00

SEWARD HIGHWAY

ROW

ROW

ORIGINAL GROUND &
FINISHED GRADE PROFILE

100

80

60

40

20

100

80

60

40

20

1508+00

1509+00

1510+00

1511+00

1512+00

1513+00

1514+00

1515+00

1516+00

1517+00

1518+00

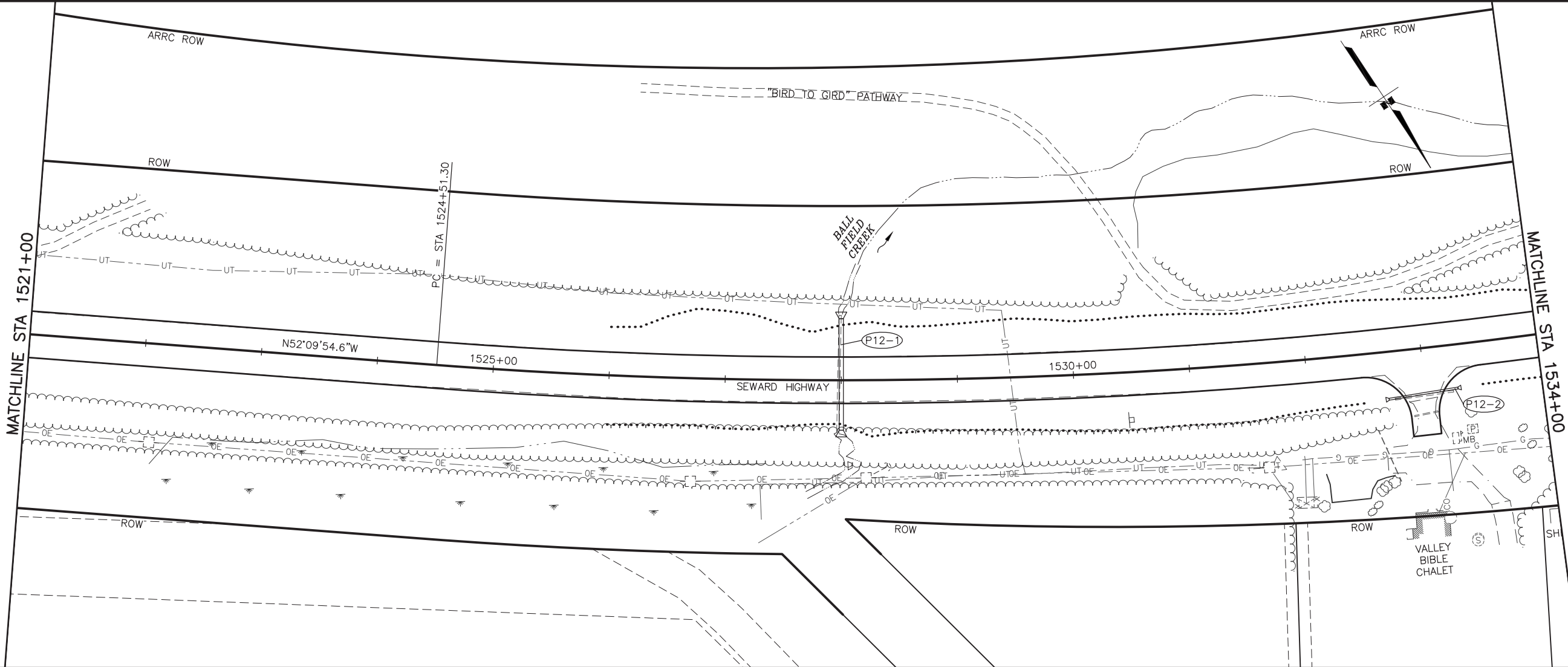
1519+00

1520+00

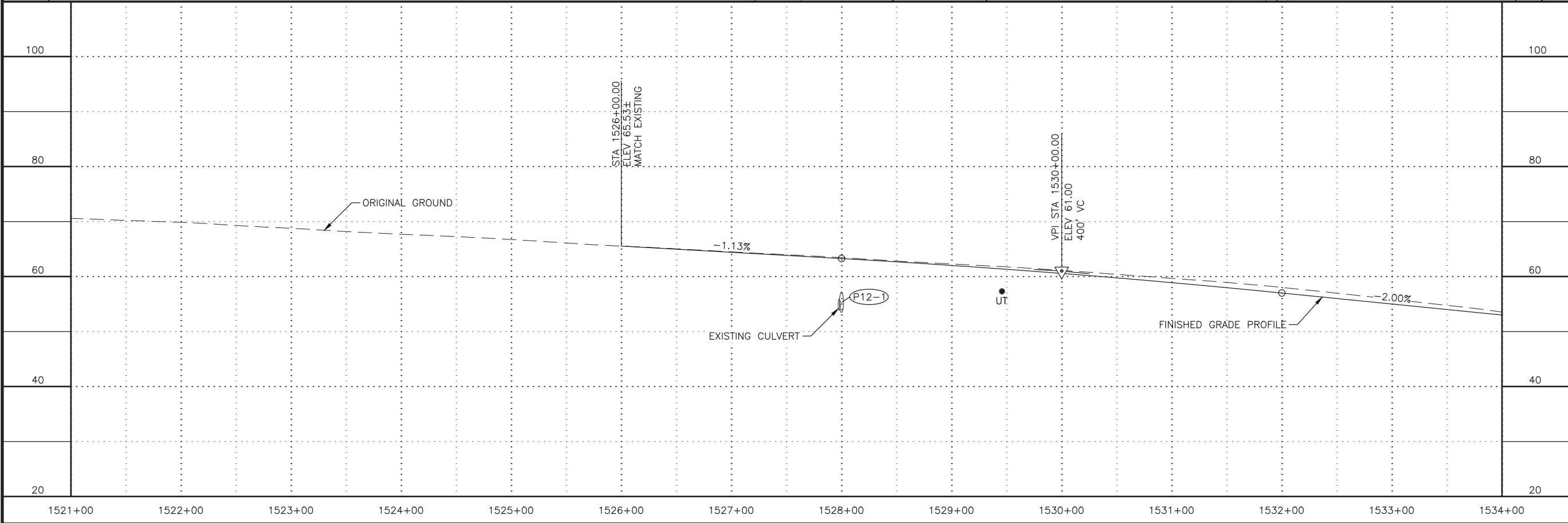
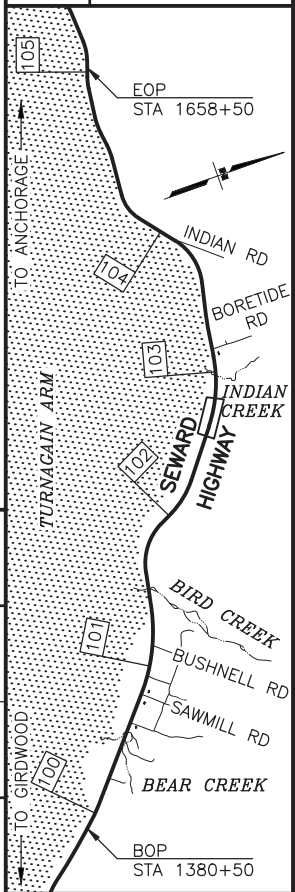
1521+00

SHEET NO.	TOTAL SHEETS
F11	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1508+00 TO 1521+00	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG DATE/TIME 2/3/2019 2:04 PM LAYOUT F12 DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
F12	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	



STATE OF ALASKA
★ 49th ★
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

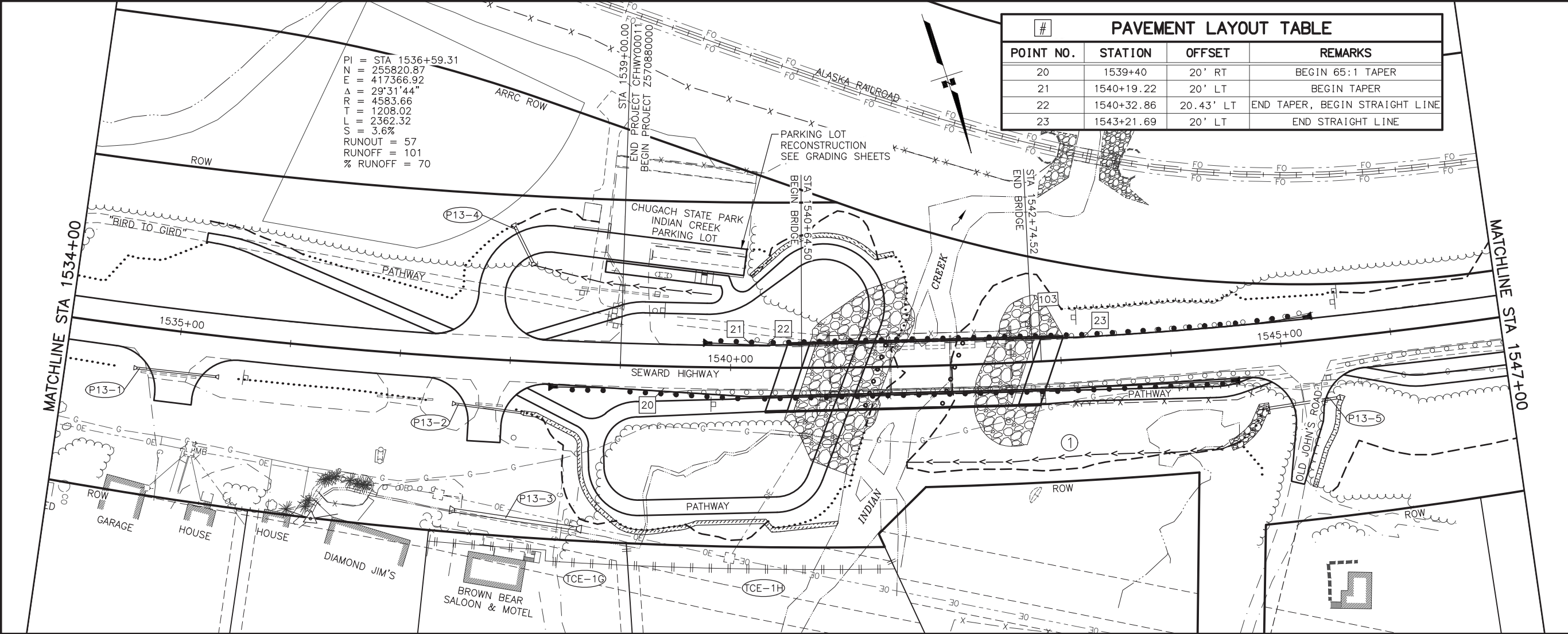
R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

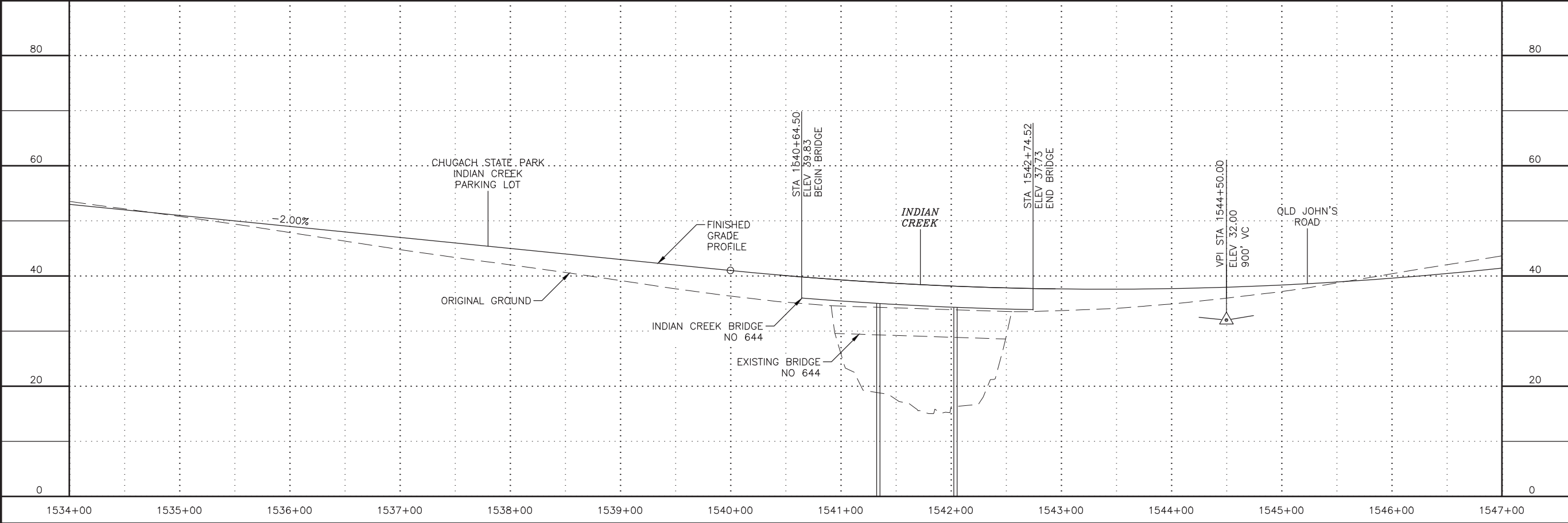
SEWARD HIGHWAY
PLAN & PROFILE
STA 1521+00 TO 1534+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL ACAD\SEWARD HWY 2129.01-F01.DWG DATE/TIME 2/3/2019 2:04 PM LAYOUT F13 DESIGNED CHECKED DRAFTED

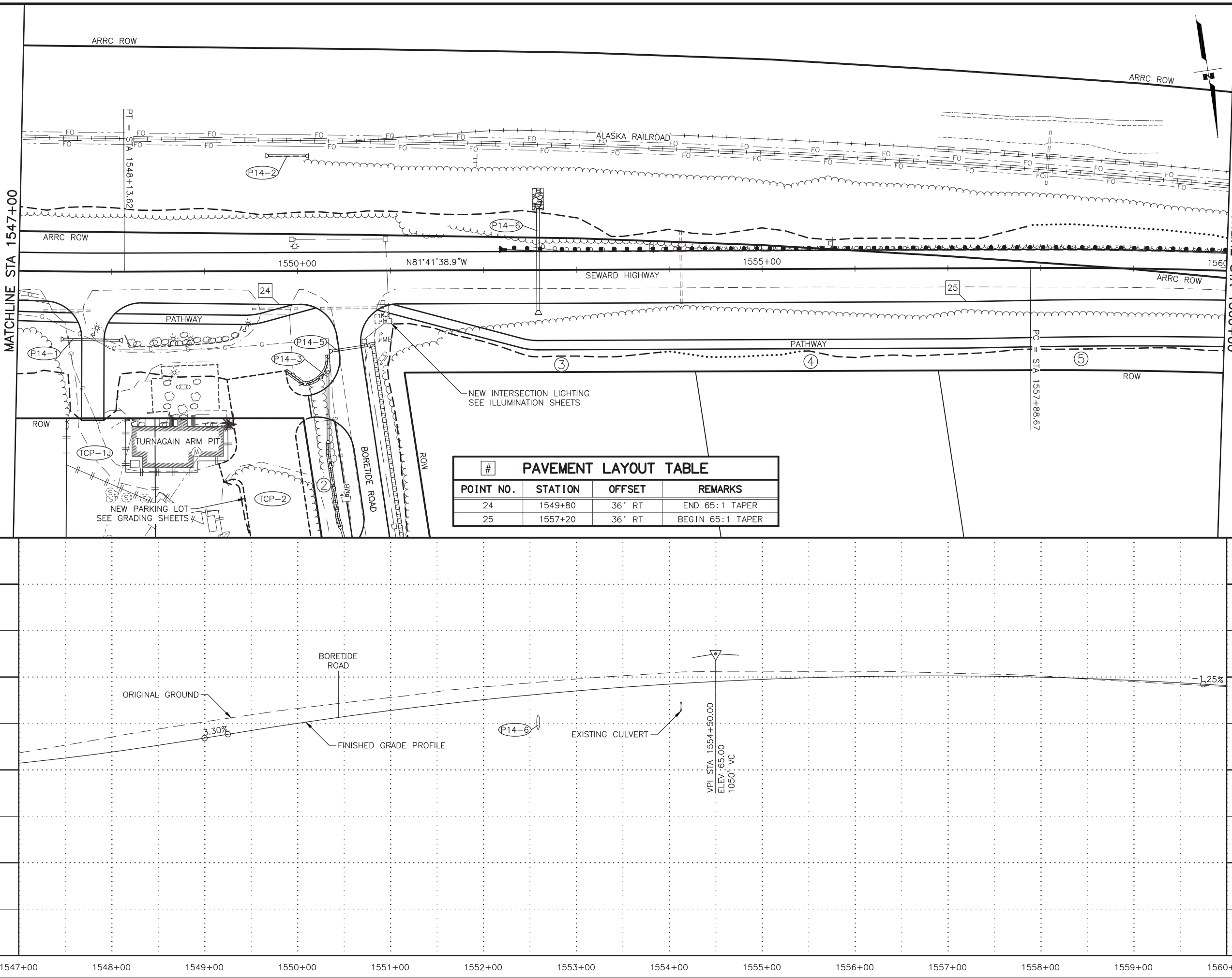


PAVEMENT LAYOUT TABLE			
#	POINT NO.	STATION	OFFSET
	20	1539+40	20' RT
	21	1540+19.22	20' LT
	22	1540+32.86	20.43' LT
	23	1543+21.69	20' LT
	REMARKS		
	BEGIN 65:1 TAPER		
	BEGIN TAPER		
	END TAPER, BEGIN STRAIGHT LINE		
	END STRAIGHT LINE		

PI = STA 1536+59.31
N = 255820.87
E = 417366.92
Δ = 29°31'44"
R = 4583.66
T = 1208.02
L = 2362.32
S = 3.6%
RUNOUT = 57
RUNOFF = 101
% RUNOFF = 70

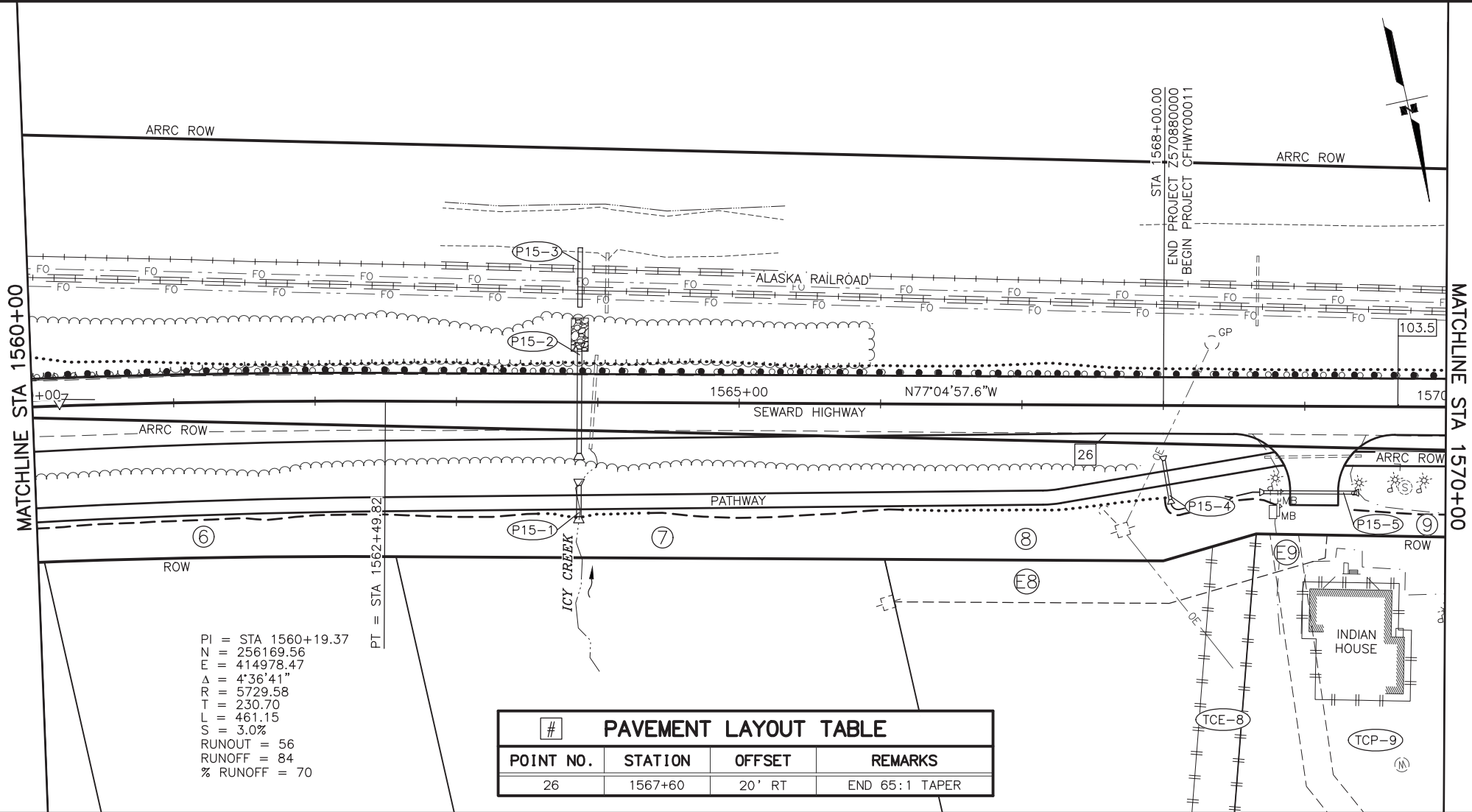


SHEET NO.	TOTAL SHEETS
F13	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1534+00 TO 1547+00	



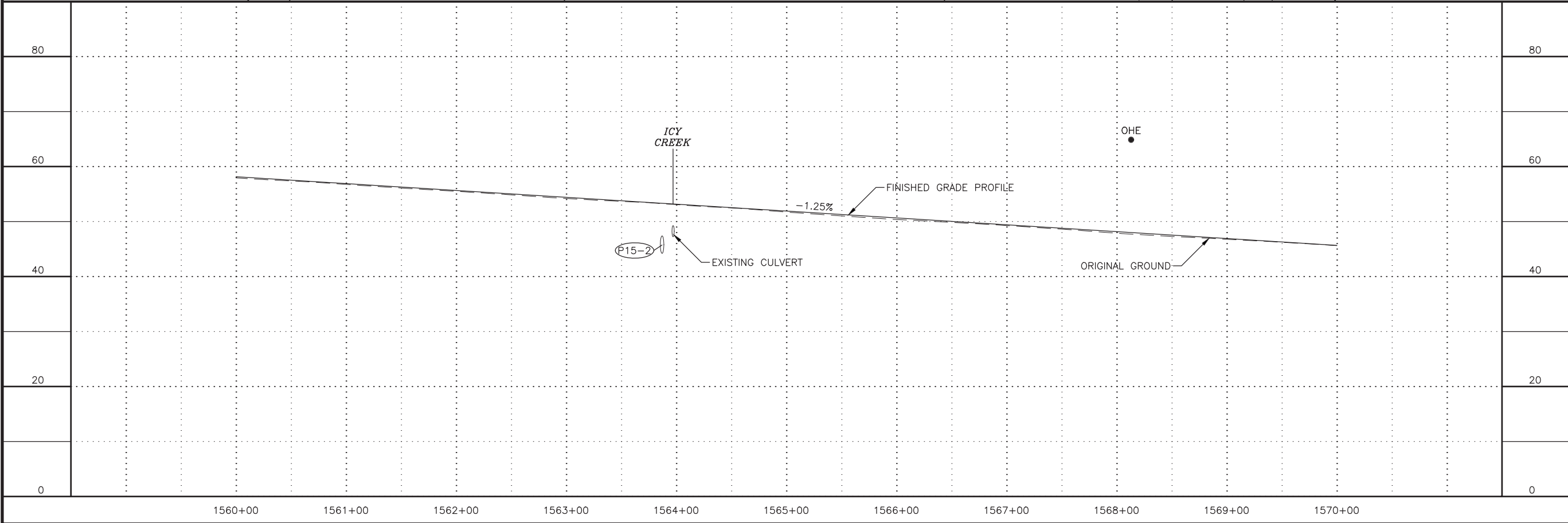
SHEET NO.	TOTAL SHEETS
F14	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
<p>R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111</p>	
<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES</p> <p>SEWARD HIGHWAY PLAN & PROFILE STA 1547+00 TO 1560+00</p>	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG DATE/TIME 2/3/2019 2:05 PM LAYOUT F15 DESIGNED CHECKED DRAFTED



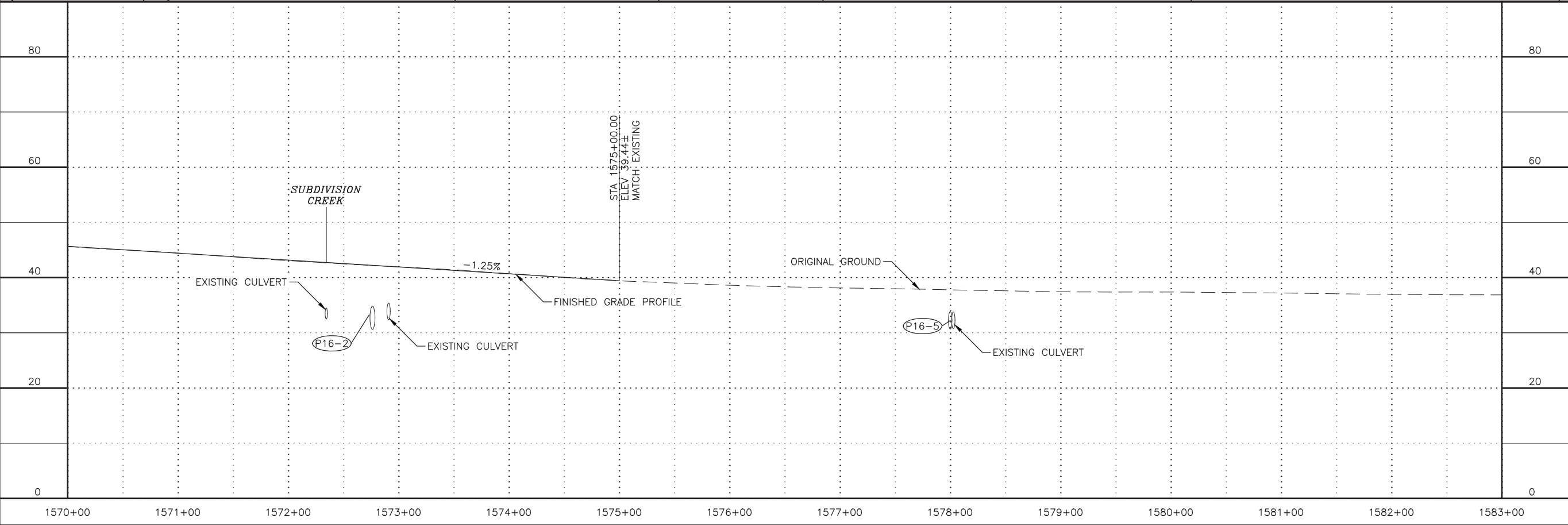
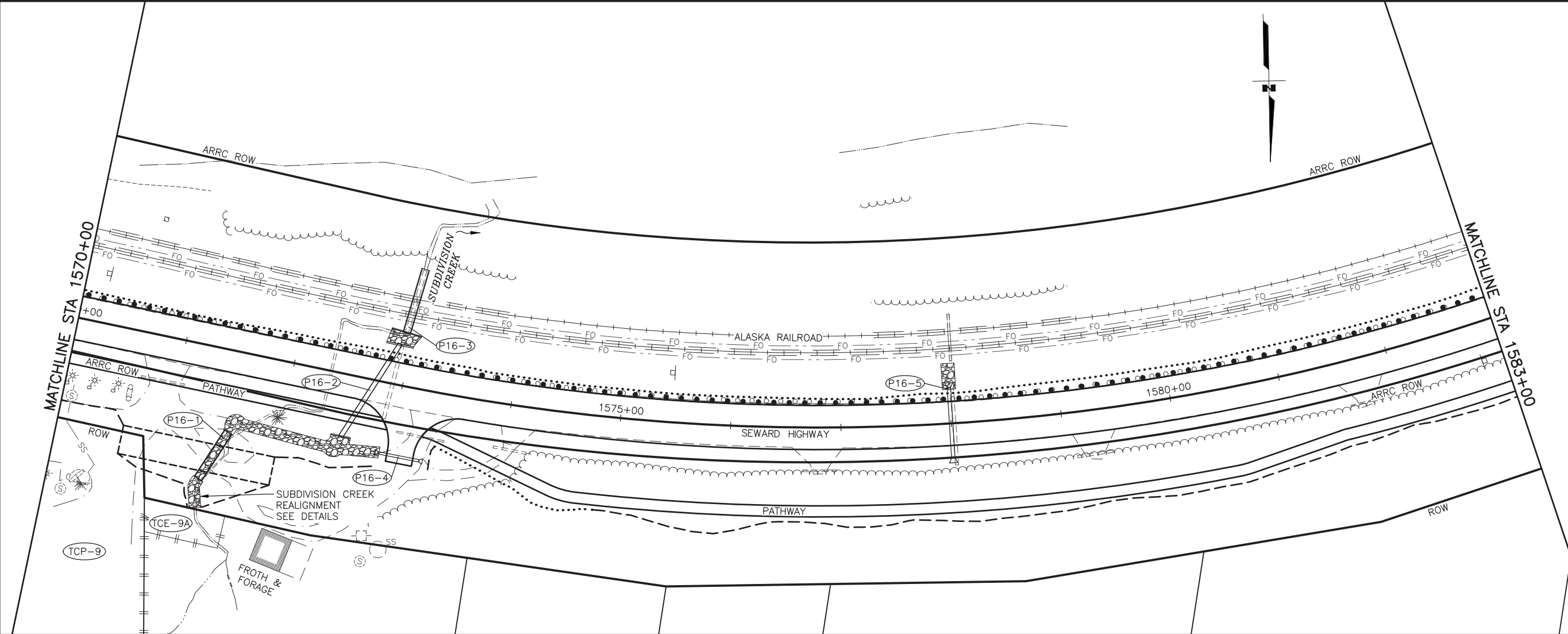
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N = 256169.56
E = 414978.47
A = 4°36'41"
R = 5729.58
T = 230.70
L = 461.15
S = 3.0%
RUNOUT = 56
RUNOFF = 84
% RUNOFF = 70

#	PAVEMENT LAYOUT TABLE			
POINT NO.	STATION	OFFSET	REMARKS	
26	1567+60	20' RT	END 65:1 TAPER	



SHEET NO.	F15	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1560+00 TO 1570+00			

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:05 PM LAYOUT F16 DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
F16	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	

TO ANCHORAGE
TO GIRDWOOD

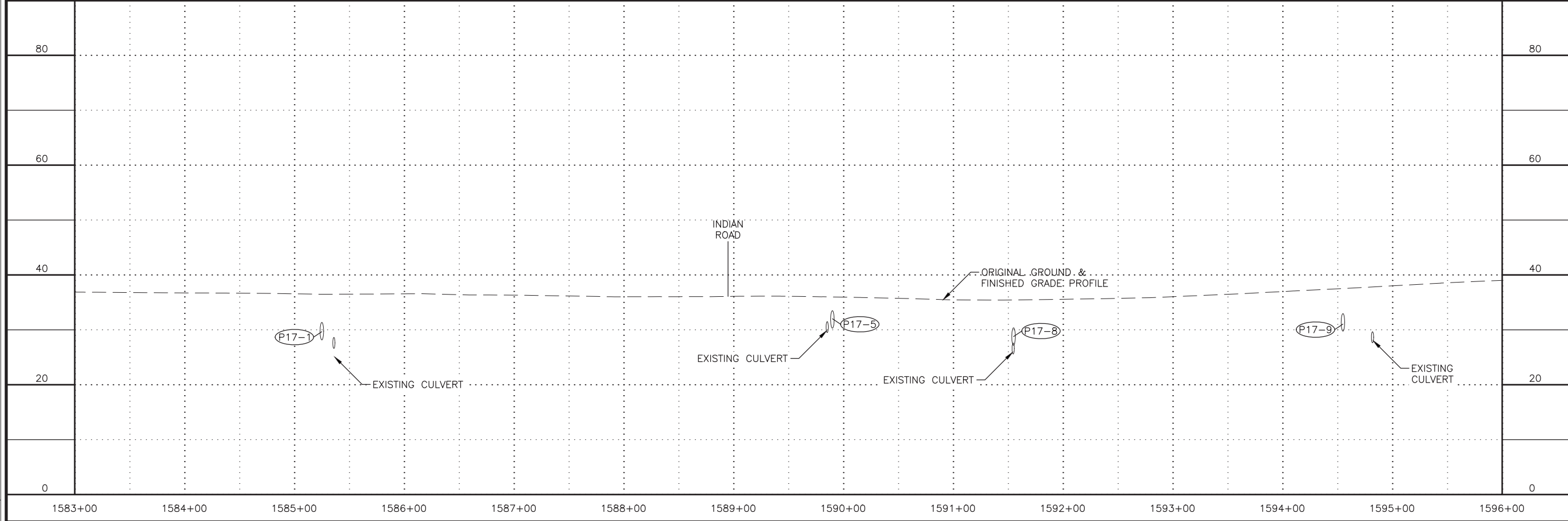
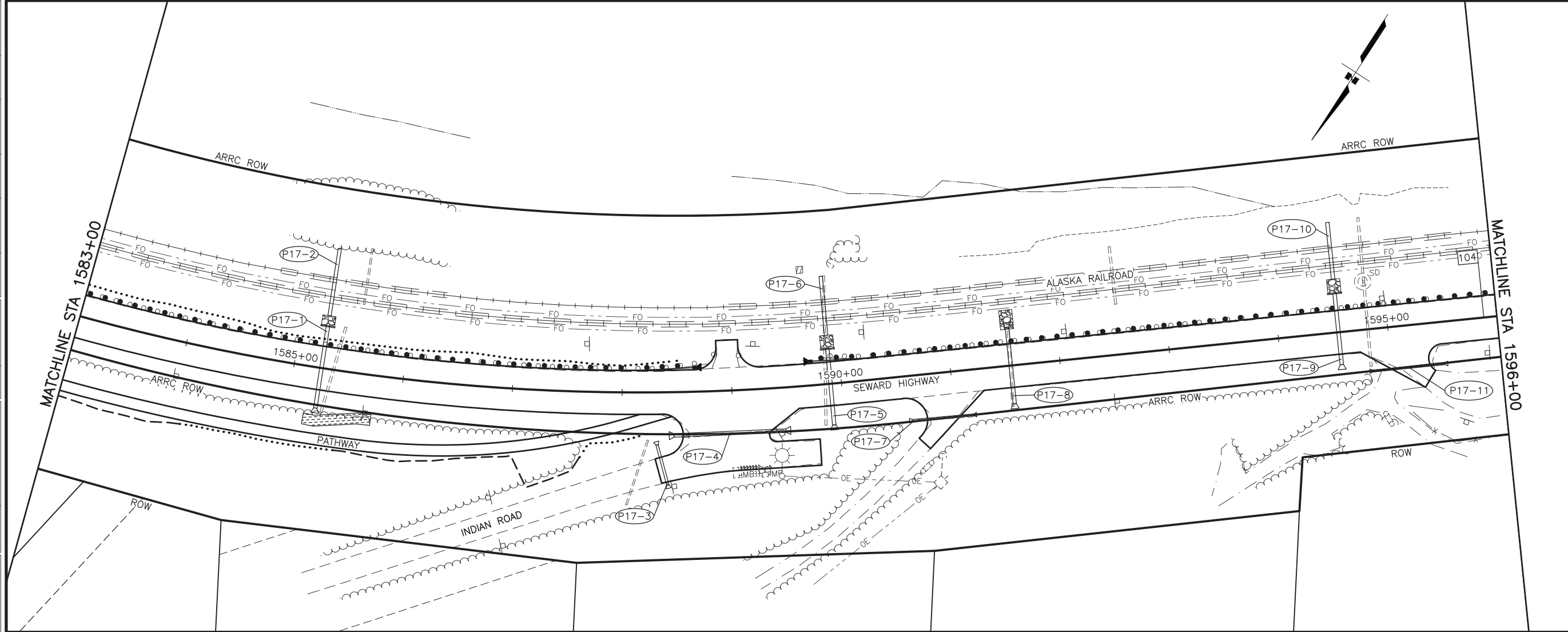
INDIAN RD
BORETIDE RD
INDIAN CREEK
SEWARD HIGHWAY
BIRD CREEK
BUSHNELL RD
SAWMILL RD
BEAR CREEK
BOP STA 1380+50

STATE OF ALASKA
49th
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
SEWARD HIGHWAY
PLAN & PROFILE
STA 1570+00 TO 1583+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:05 PM LAYOUT F17 DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
F17	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	

TO ANCHORAGE
TO GIRDWOOD

INDIAN RD
BORETIDE RD
INDIAN CREEK
SEWARD HIGHWAY
BIRD CREEK
BUSHNELL RD
SAWMILL RD
BEAR CREEK

FOP
STA 1658+50
BOP
STA 1380+50

STATE OF ALASKA
49th
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

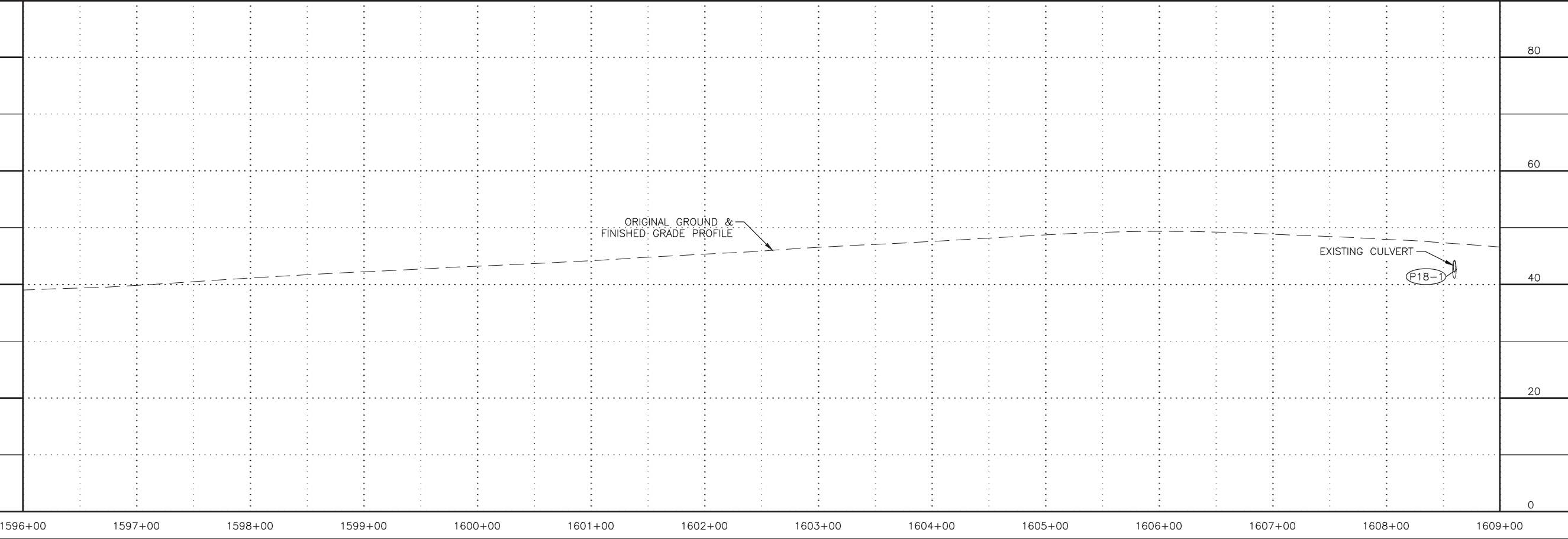
R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
SEWARD HIGHWAY
PLAN & PROFILE
STA 1583+00 TO 1596+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:05 PM LAYOUT F18 DESIGNED CHECKED DRAFTED

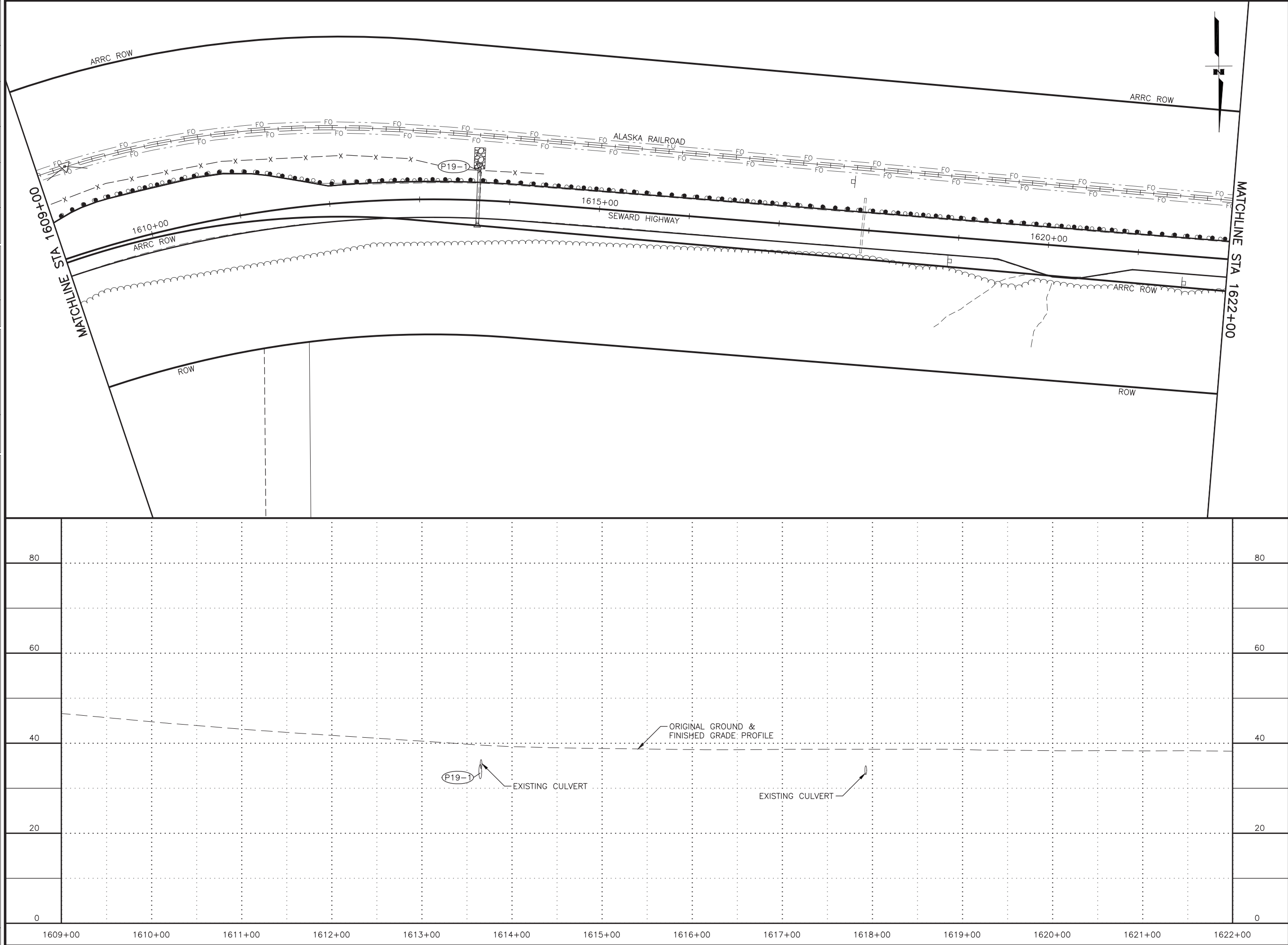
MATCHLINE STA 1596+00

MATCHLINE STA 1609+00



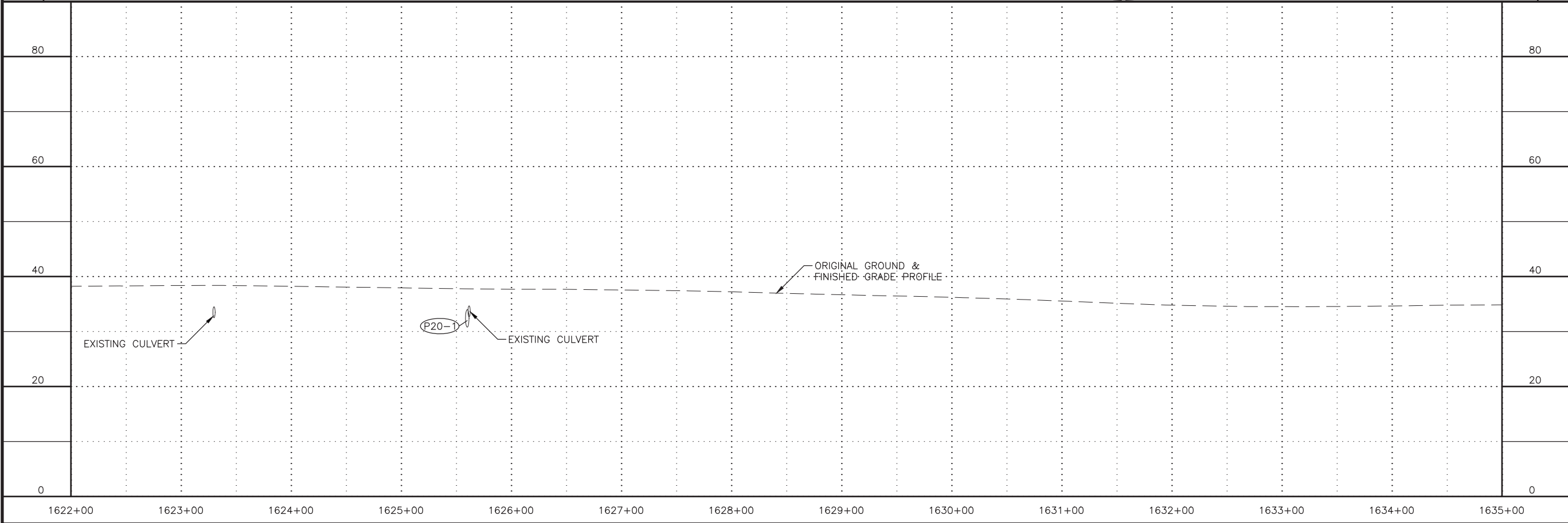
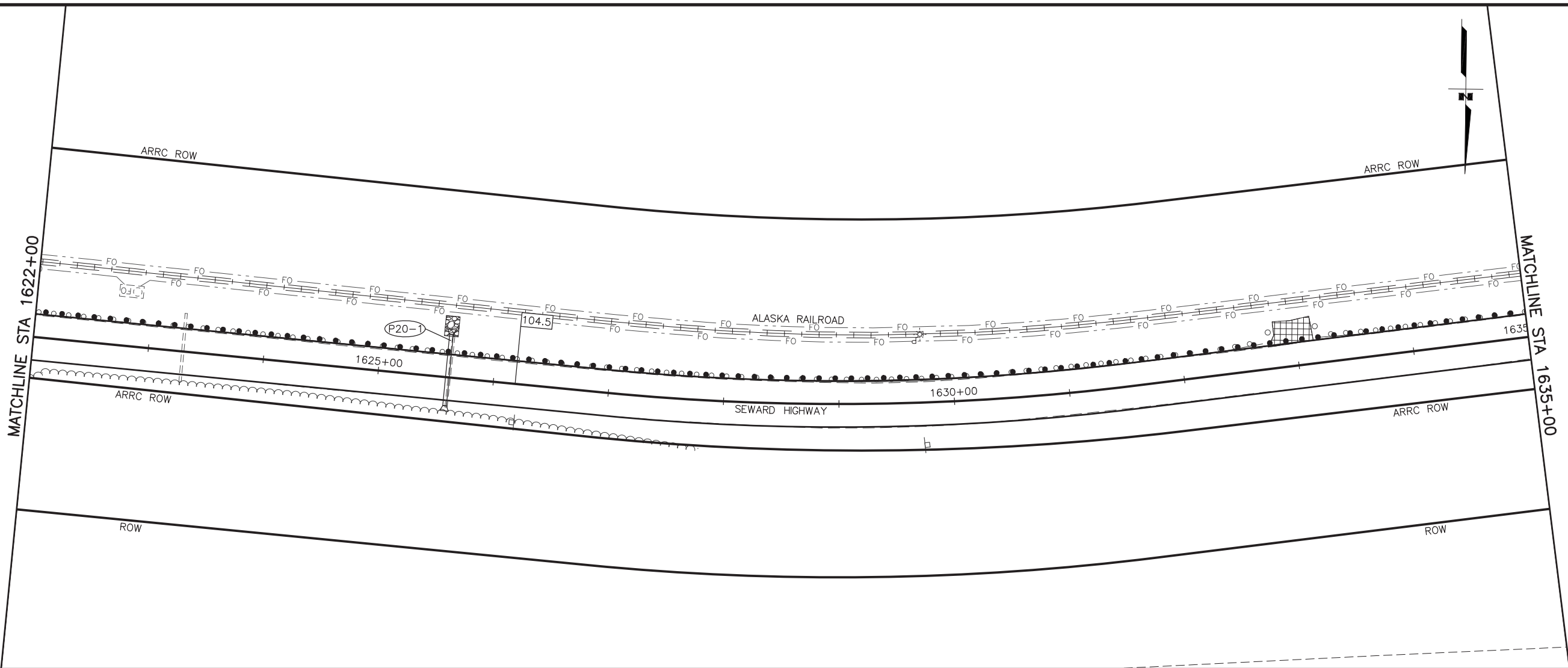
SHEET NO.	F18	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1596+00 TO 1609+00			

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F01.DWG 2/3/2019 2:05 PM [LAYOUT] F19 [DESIGNED] [CHECKED] [DRAFTED]



SHEET NO.	TOTAL SHEETS
F19	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1609+00 TO 1622+00	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:05 PM LAYOUT F20 DESIGNED CHECKED DRAFTED



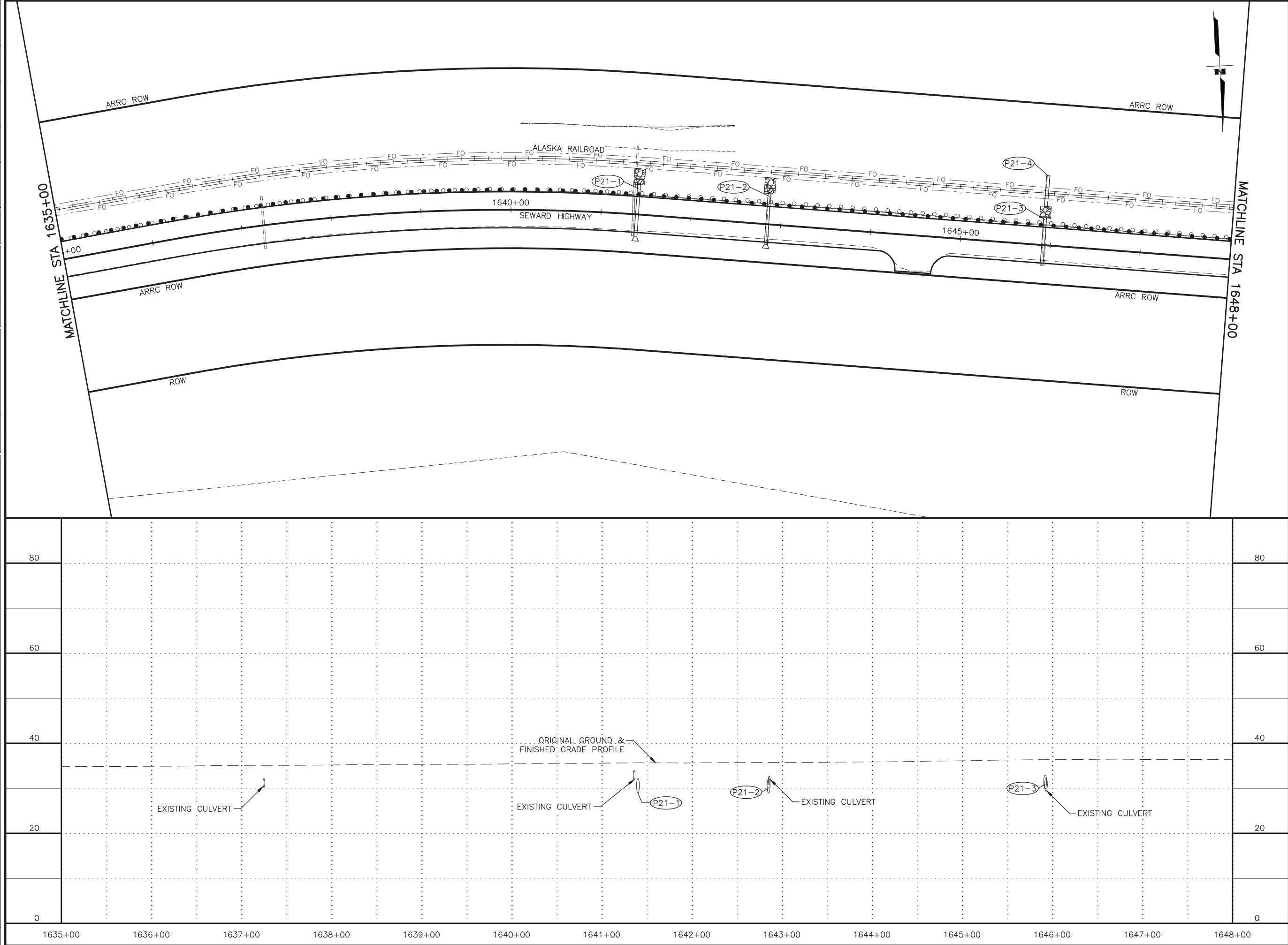
SHEET NO.	F20	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			

STATE OF ALASKA
★ 49th ★
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
SEWARD HIGHWAY
PLAN & PROFILE
STA 1622+00 TO 1635+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F01.DWG 2/3/2019 2:06 PM F21 LAYOUT DRAFTED CHECKED DESIGNED



SHEET NO.	TOTAL SHEETS
F21	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES SEWARD HIGHWAY PLAN & PROFILE STA 1635+00 TO 1648+00	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F01.DWG 2/3/2019 2:06 PM [LAYOUT] F22 DESIGNED CHECKED DRAFTED

MATCHLINE STA 1648+00

ARRC ROW

ARRC ROW

ALASKA RAILROAD

SEWARD HIGHWAY

ARRC ROW

ROW

ROW

END PROJECT
CFHWY00011
STA 1658+50.00 POT
N = 255244.60
E = 405707.98
MATCH EXISTING

P22-1

105

TO ANCHORAGE

FOP
STA 1658+50

SEWARD
HIGHWAY

INDIAN RD

BORETIDE RD

INDIAN CREEK

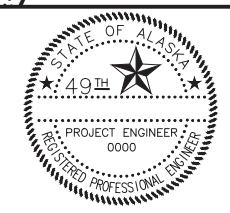
BIRD CREEK

BUSHNELL RD

SAWMILL RD

BEAR CREEK

BOP
STA 1380+50



R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

SEWARD HIGHWAY
PLAN & PROFILE
STA 1648+00 TO 1658+50

80

80

60

60

40

40

20

20

0

0

ORIGINAL GROUND &
FINISHED GRADE PROFILE

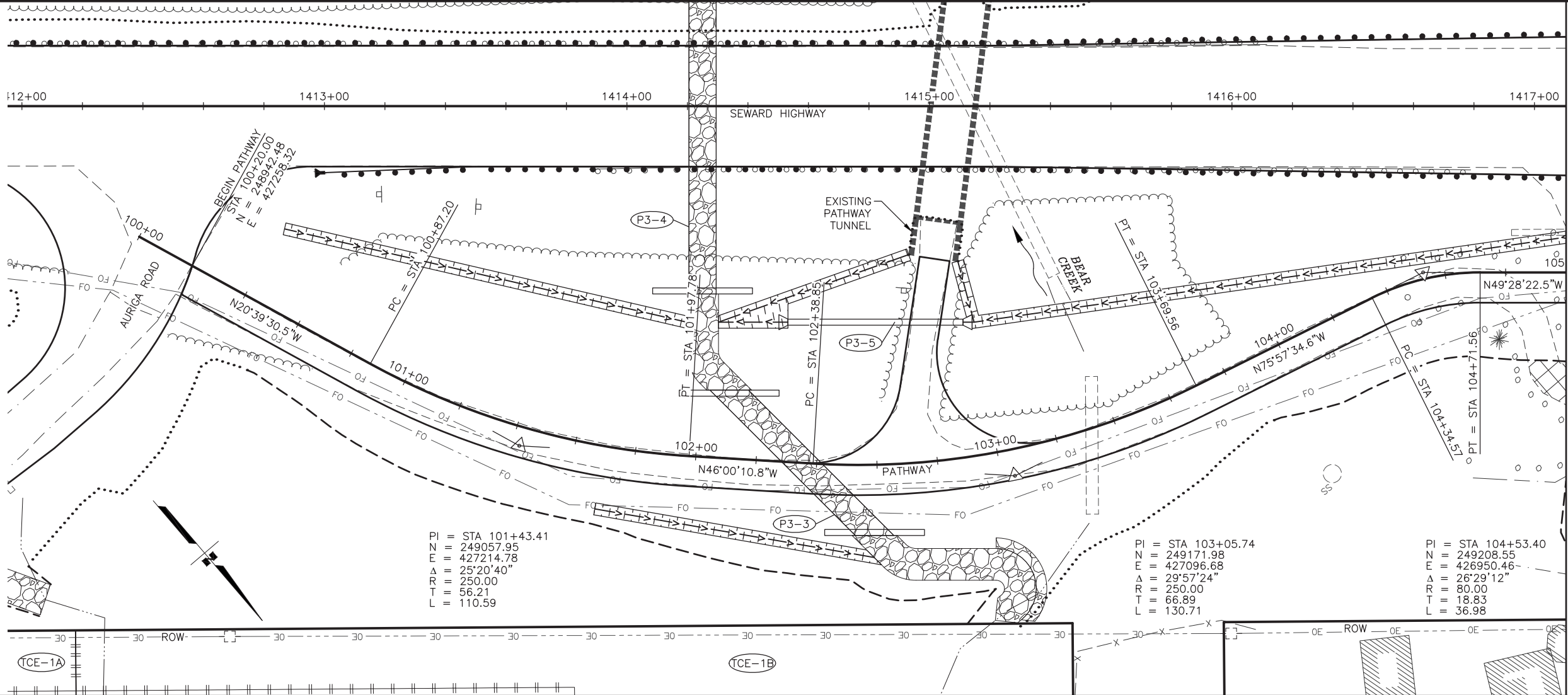
EXISTING CULVERT

EXISTING CULVERT

STA 1658+50.00
ELEV 36.841
END PROJECT: CFHWY00011

1648+00 1649+00 1650+00 1651+00 1652+00 1653+00 1654+00 1655+00 1656+00 1657+00 1658+00 1659+00 1660+00 1661+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F23.DWG DATE/TIME 2/3/2019 2:07 PM LAYOUT F23 DESIGNED CHECKED DRAFTED

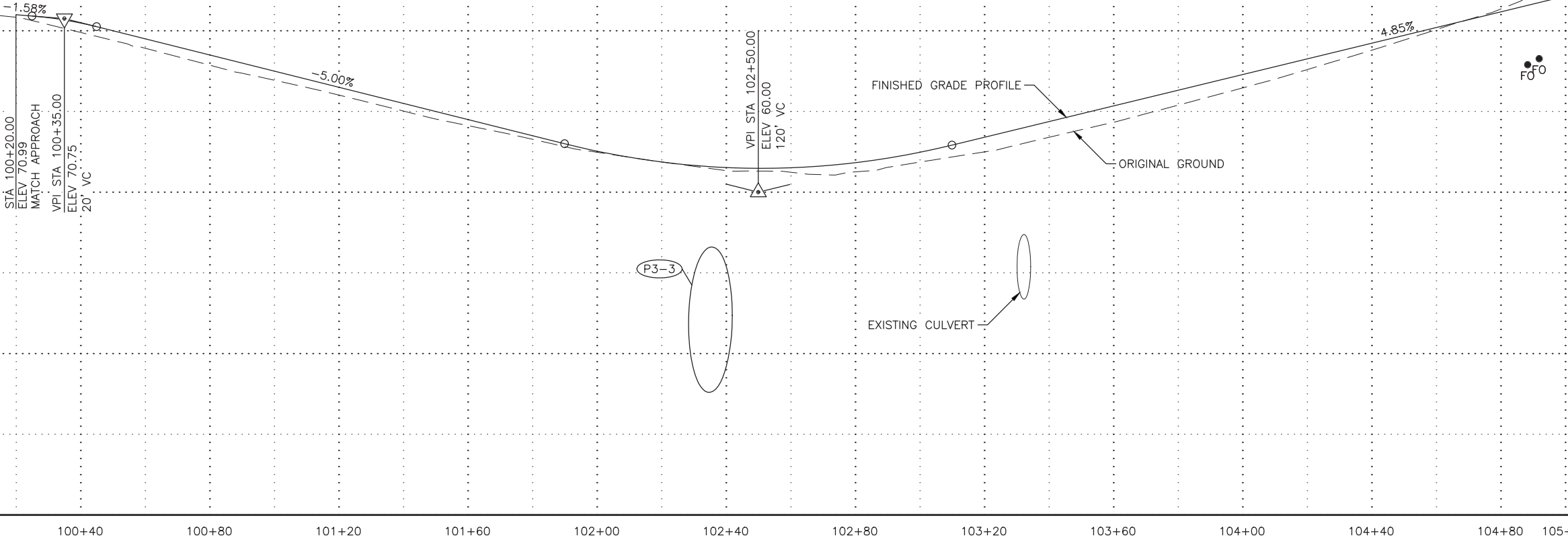


MATCHLINE STA 105+00

PI = STA 101+43.41
N = 249057.95
E = 427214.78
Δ = 25°20'40"
R = 250.00
T = 56.21
L = 110.59

PI = STA 103+05.74
N = 249171.98
E = 427096.68
Δ = 29°57'24"
R = 250.00
T = 66.89
L = 130.71

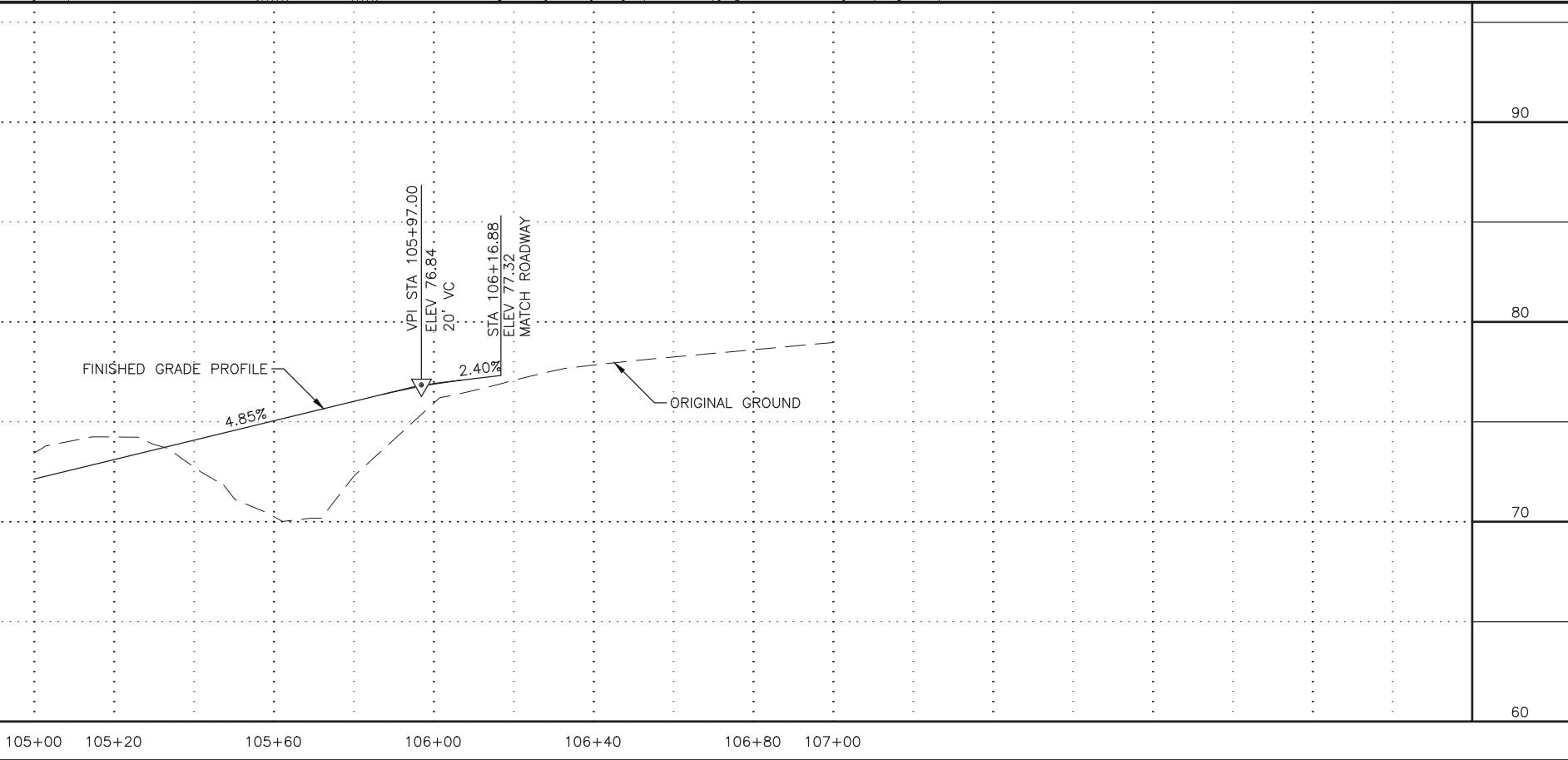
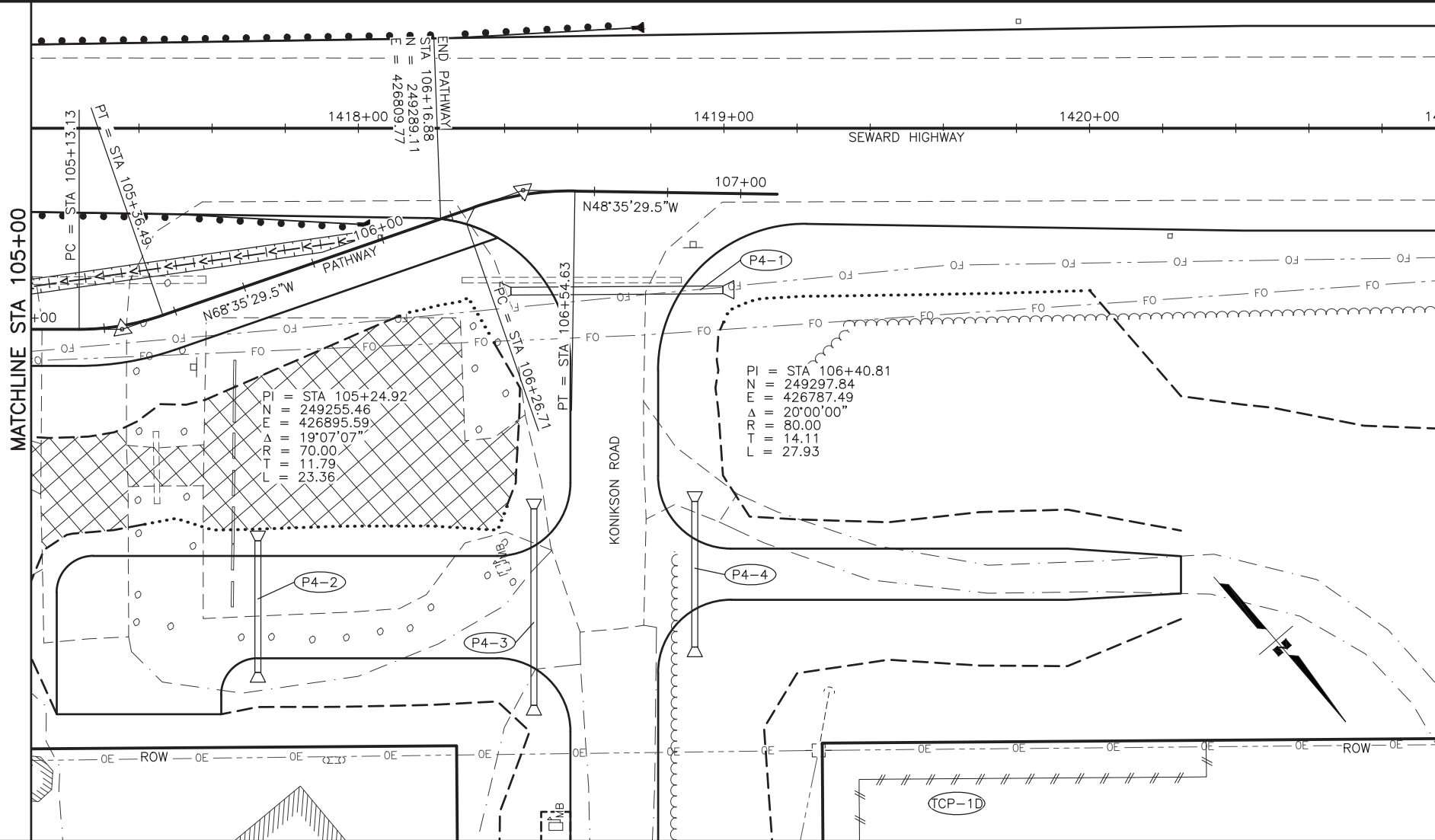
PI = STA 104+53.40
N = 249208.55
E = 426950.46
Δ = 26°29'12"
R = 80.00
T = 18.83
L = 36.98



70
60
50
40

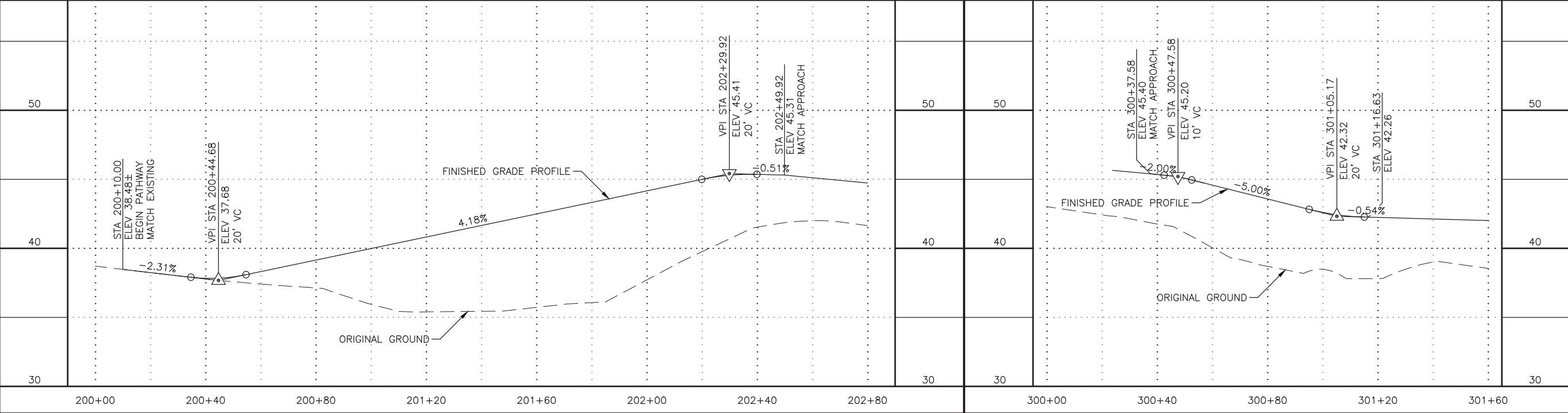
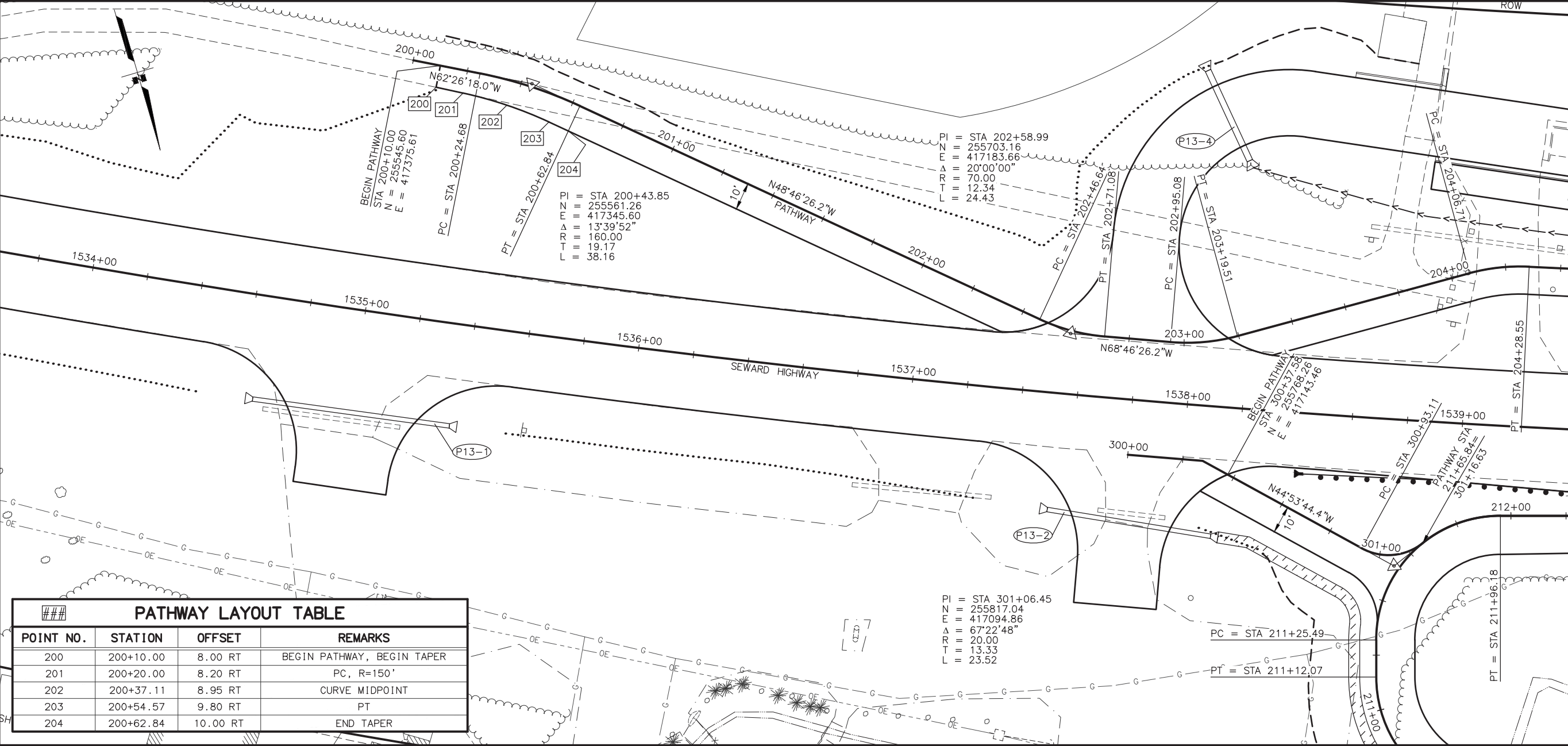
SHEET NO.	TOTAL SHEETS
F23	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES	
PATHWAY PLAN & PROFILE STA 100+00 TO 105+20	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F23.DWG 2/3/2019 2:07 PM LAYOUT F24 DESIGNED CHECKED DRAFTED



SHEET NO.	F24	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES			
PATHWAY PLAN & PROFILE STA 105+20 TO 107+00			

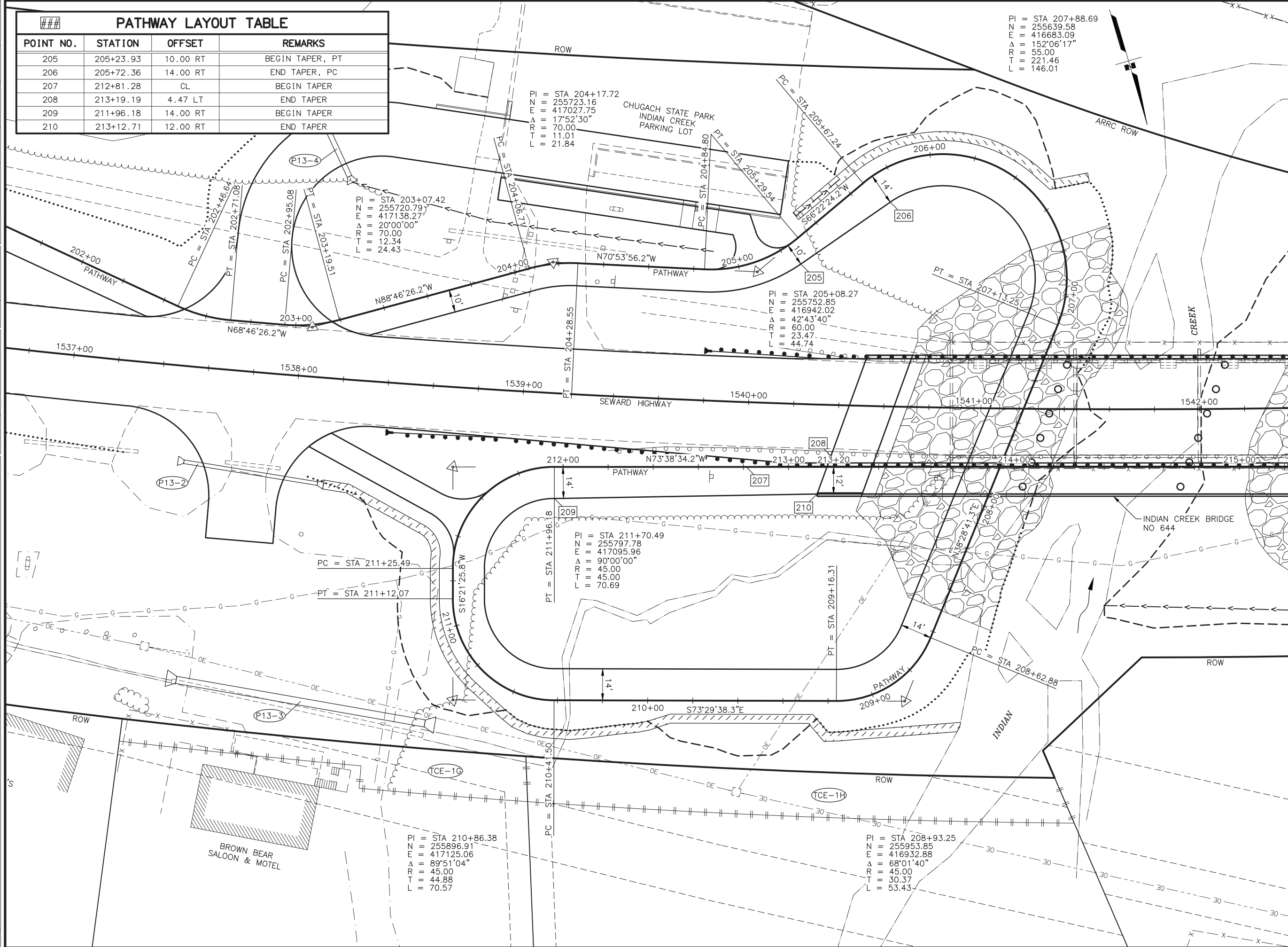
FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F23.DWG DATE/TIME 2/3/2019 2:07 PM LAYOUT F25 DESIGNED CHECKED DRAFTED



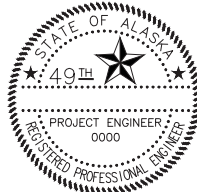
SHEET NO.	F25	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES			
PATHWAY PLAN & PROFILE STA 200+00 TO 202+80			

FILE | Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL ACAD\SEWARD HWY 2129.01-F23.DWG | DATE/TIME 2/3/2019 2:07 PM | LAYOUT | F26 | DESIGNED | CHECKED | DRAFTED

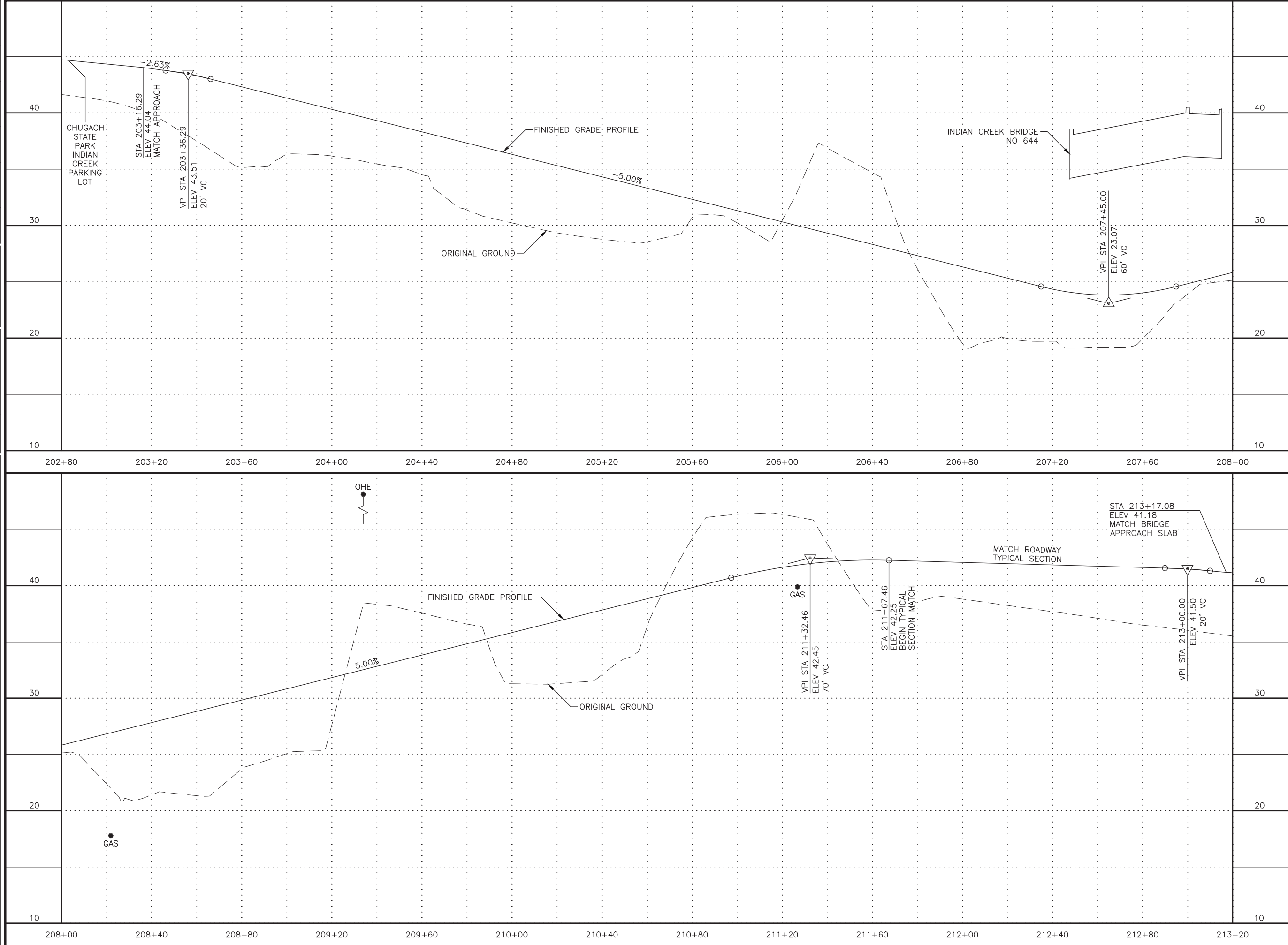
PATHWAY LAYOUT TABLE			
POINT NO.	STATION	OFFSET	REMARKS
205	205+23.93	10.00 RT	BEGIN TAPER, PT
206	205+72.36	14.00 RT	END TAPER, PC
207	212+81.28	CL	BEGIN TAPER
208	213+19.19	4.47 LT	END TAPER
209	211+96.18	14.00 RT	BEGIN TAPER
210	213+12.71	12.00 RT	END TAPER



PI = STA 207+88.69
N = 255639.58
E = 416683.09
Δ = 152°06'17"
R = 55.00
T = 221.46
L = 146.01

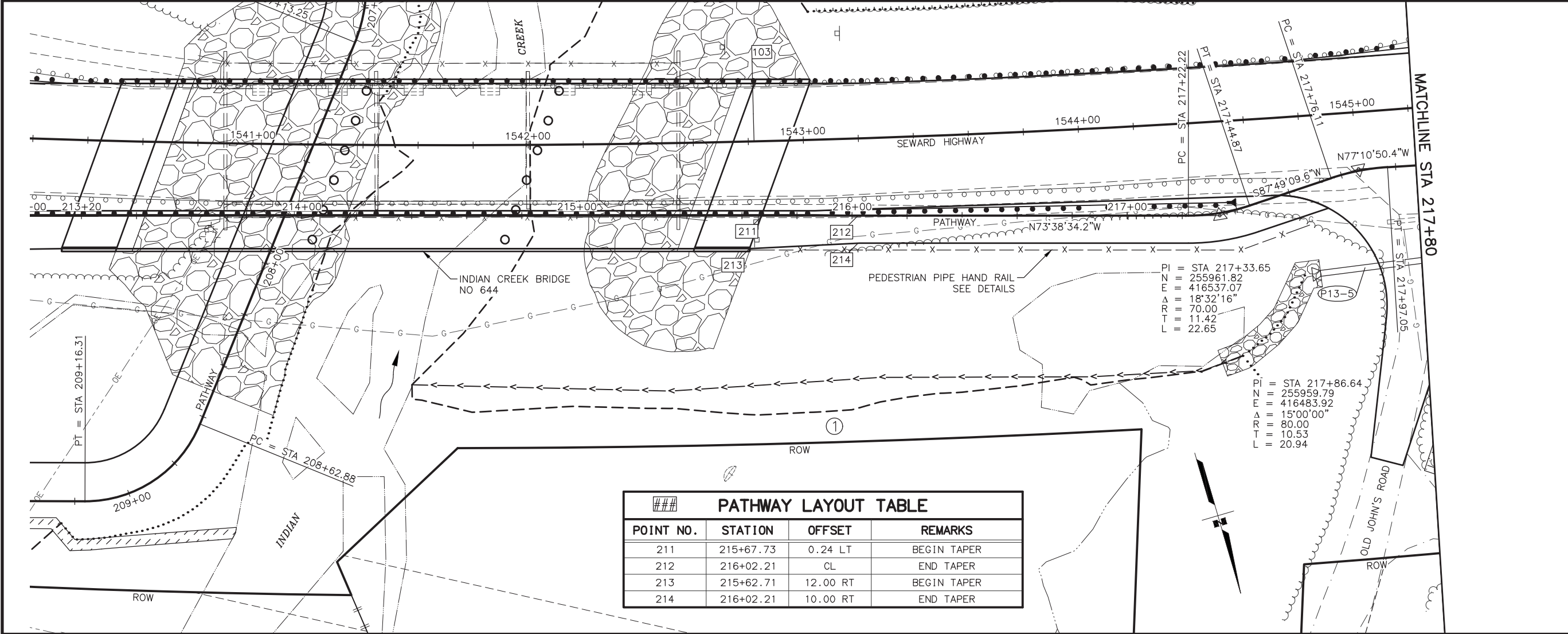
SHEET NO.	TOTAL SHEETS
F26	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
FOP STA 1658+50	
INDIAN RD	
BOREIDE RD	
INDIAN CREEK	
SEWARD HIGHWAY	
BIRD CREEK	
BUSHNELL RD	
SAWMILL RD	
BEAR CREEK	
BOP STA 1380+50	
	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES	
PATHWAY PLAN & PROFILE STA 202+80 TO 213+20	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F23.DWG 2/3/2019 2:07 PM LAYOUT F27 DESIGNED CHECKED DRAFTED

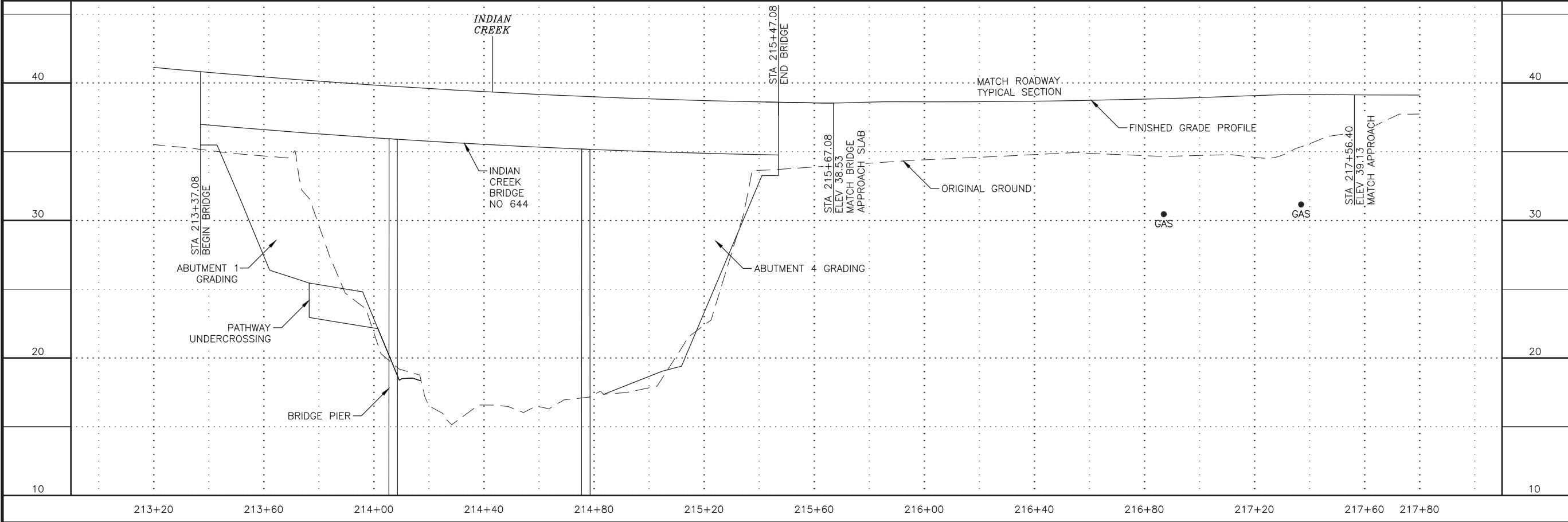


SHEET NO. F27		TOTAL SHEETS F38	
STATE ALASKA		YEAR 2019	
PROJECT DESIGNATION 0A31056/CFHWY00011 0001497/Z570880000			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES PATHWAY PROFILE & PROFILE STA 202+80 TO 213+20			

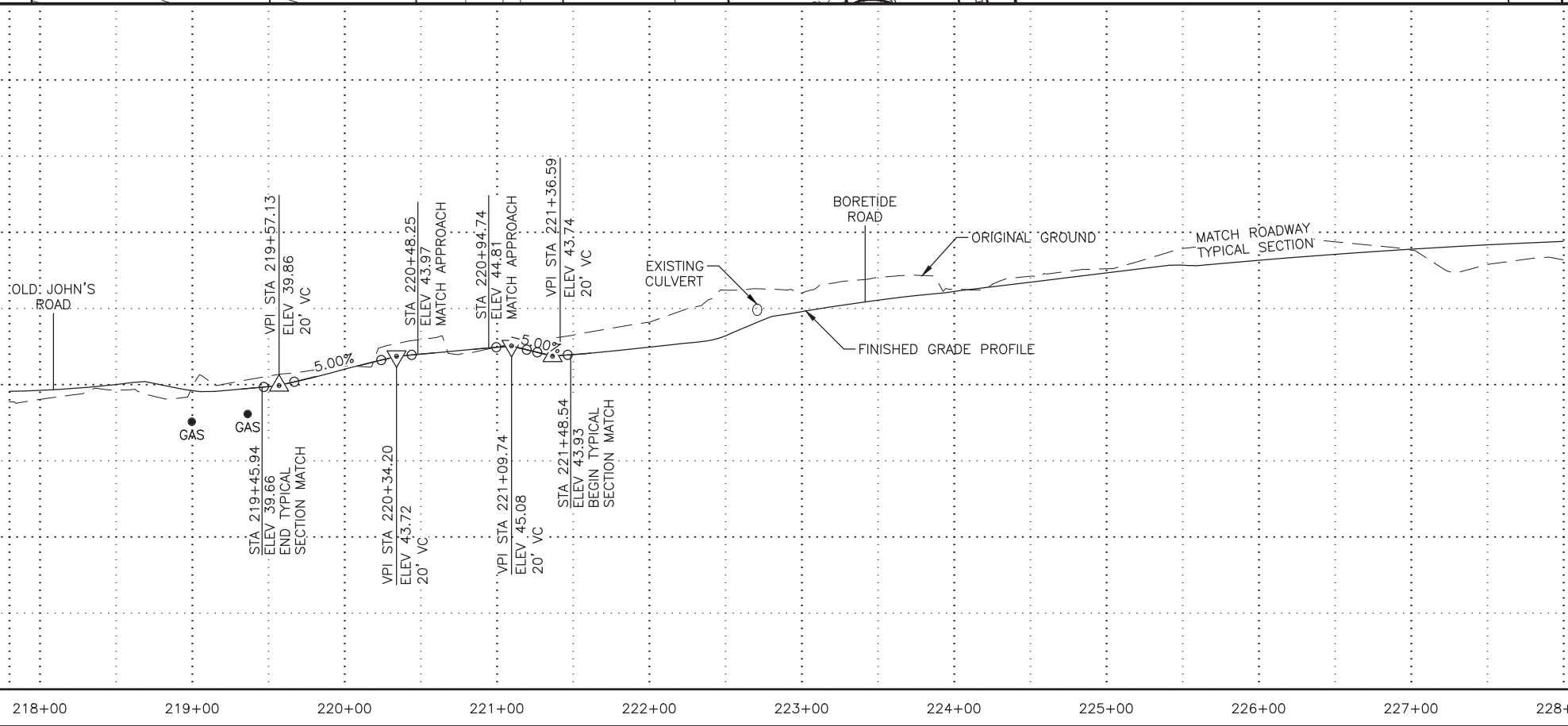
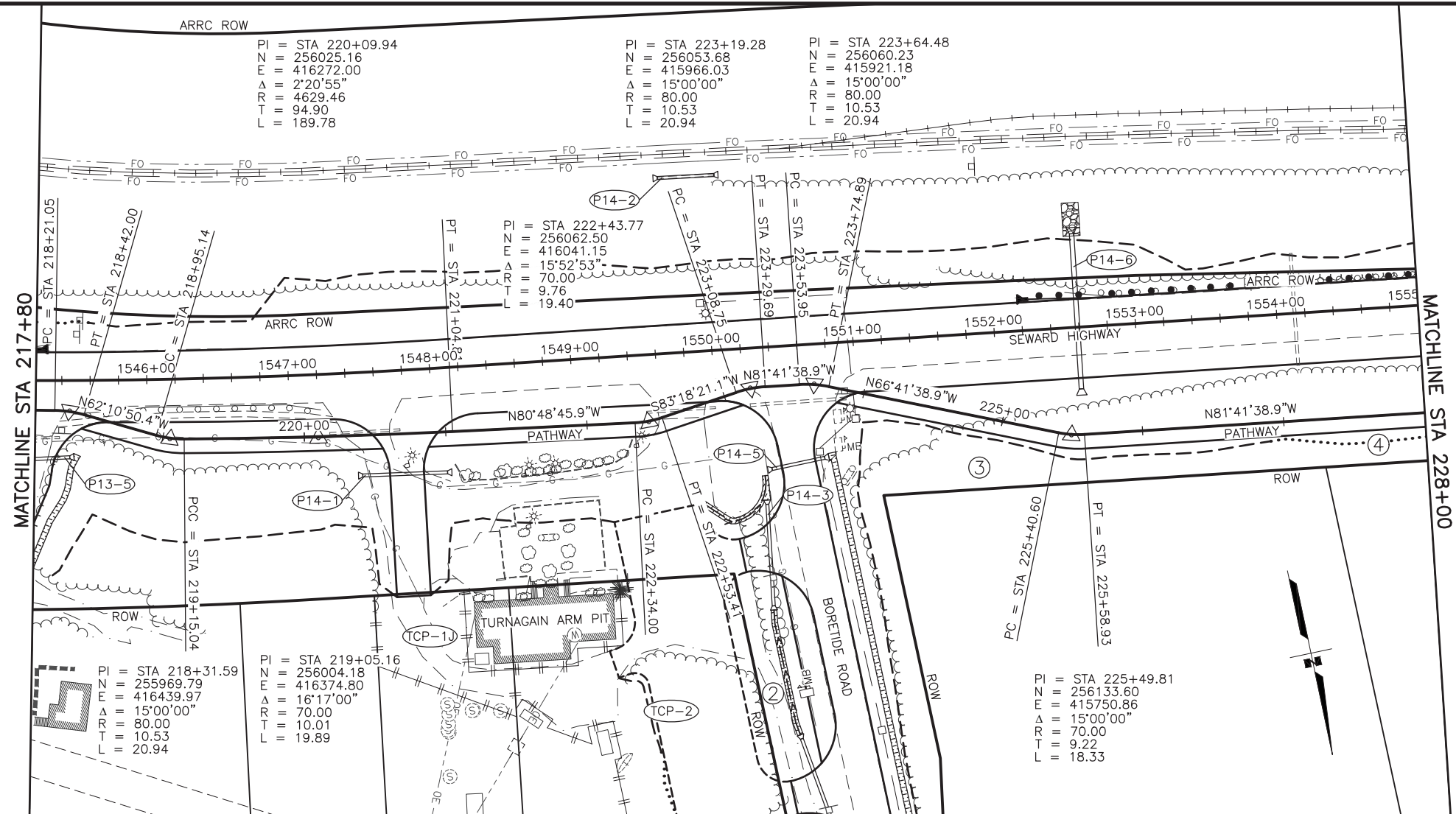
FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F23.DWG DATE/TIME 2/3/2019 2:07 PM LAYOUT F28 DESIGNED CHECKED DRAFTED



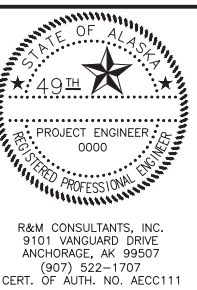
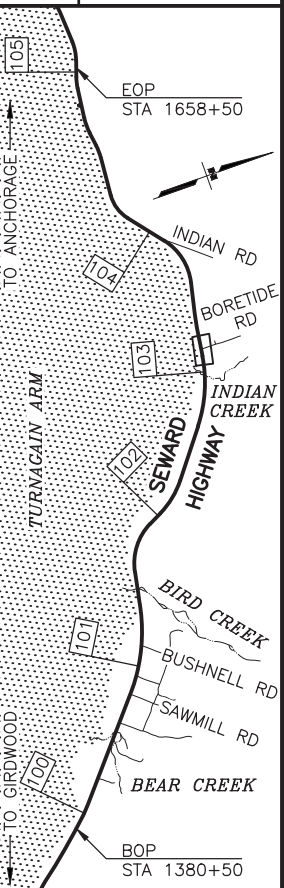
PATHWAY LAYOUT TABLE			
POINT NO.	STATION	OFFSET	REMARKS
211	215+67.73	0.24 LT	BEGIN TAPER
212	216+02.21	CL	END TAPER
213	215+62.71	12.00 RT	BEGIN TAPER
214	216+02.21	10.00 RT	END TAPER



SHEET NO.	TOTAL SHEETS
F28	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES	
PATHWAY PLAN & PROFILE STA 213+20 TO 217+80	

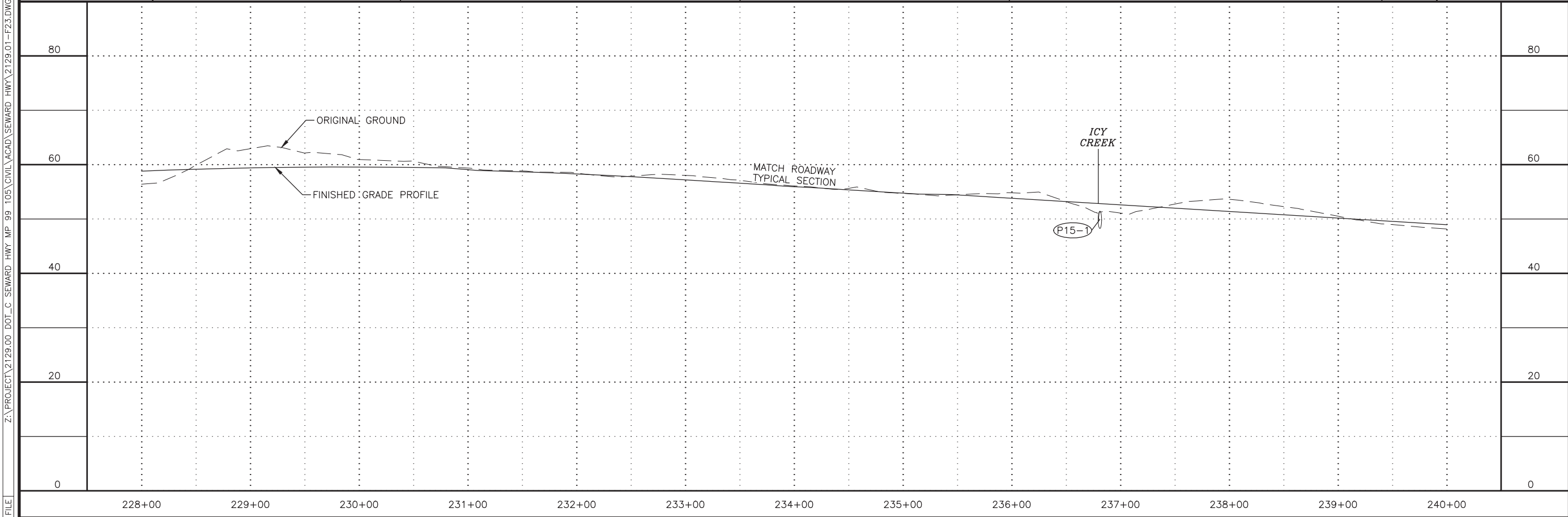
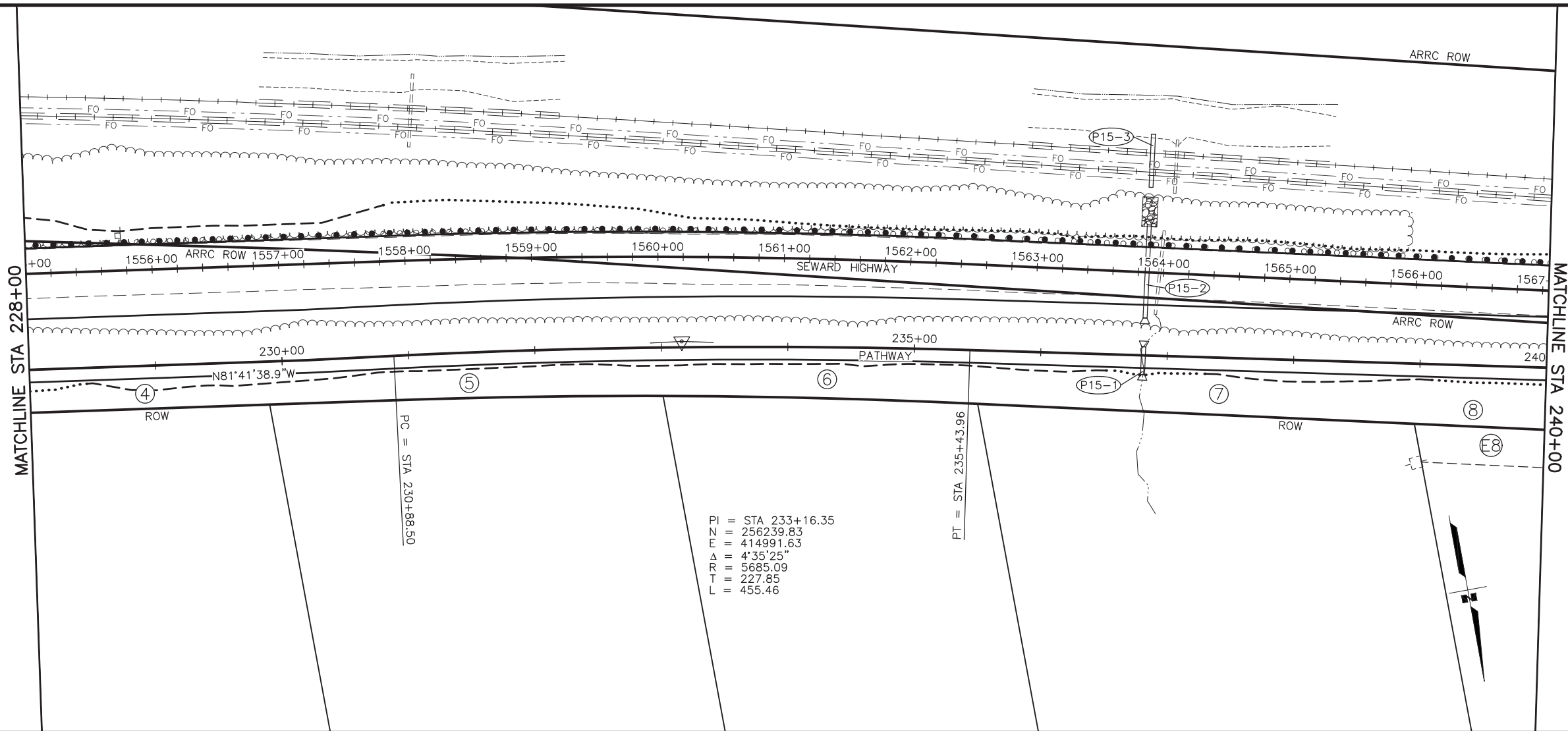


SHEET NO.	TOTAL SHEETS
F29	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	



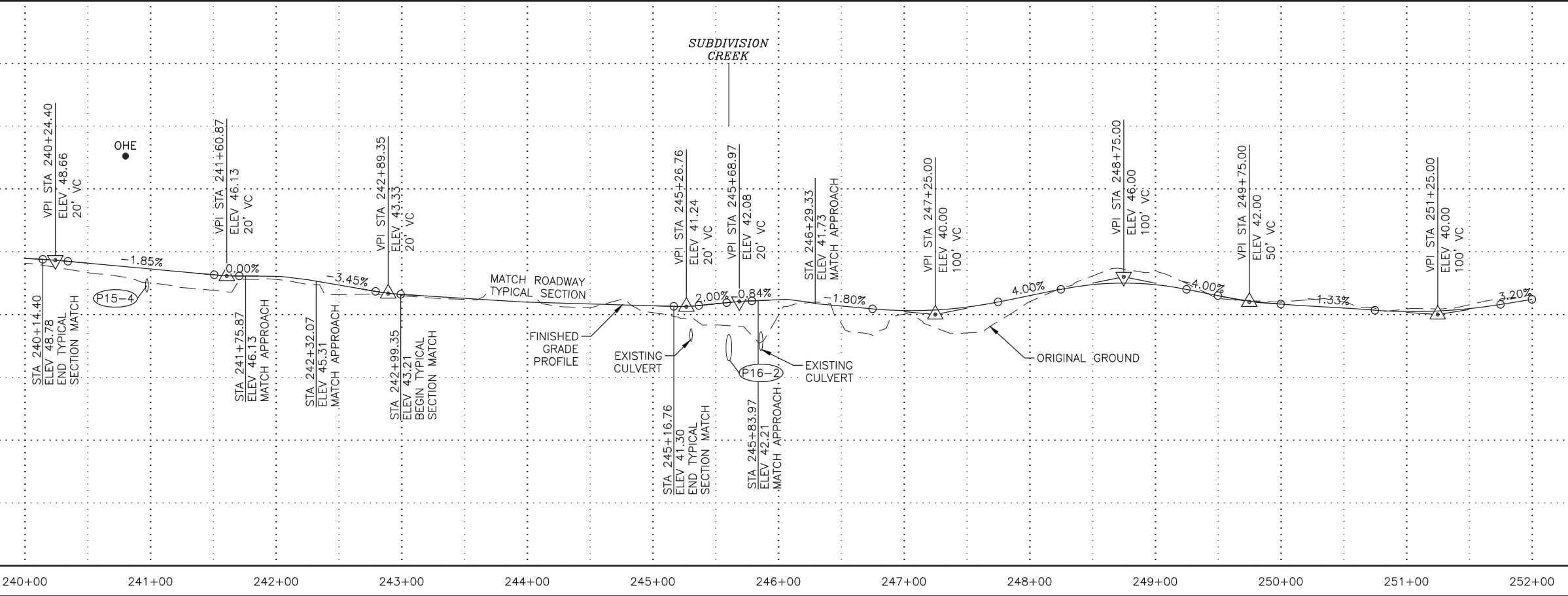
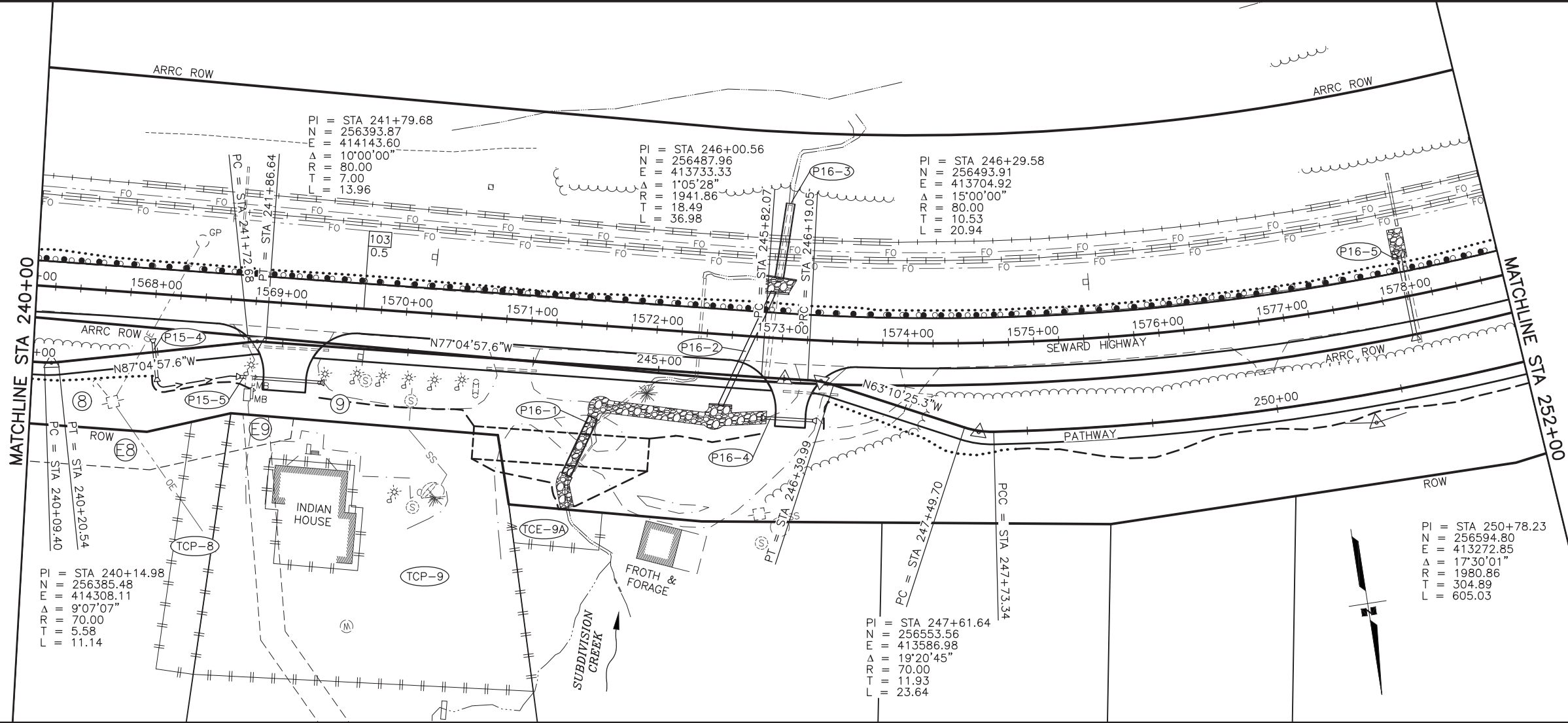
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
PATHWAY
PLAN & PROFILE
STA 217+80 TO 228+00

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F23.DWG 2/3/2019 2:08 PM [LAYOUT] F30 DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
F30	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES PATHWAY PLAN & PROFILE STA 228+00 TO 240+00	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F23.DWG DATE/TIME 2/3/2019 2:08 PM LAYOUT F31 DESIGNED CHECKED DRAFTED



SHEET NO.	F31	TOTAL SHEETS	F38
STATE	ALASKA	YEAR	2019
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES			
PATHWAY PLAN & PROFILE STA 240+00 TO 252+00			

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY 2129.01-F23.DWG DATE/TIME 2/3/2019 2:08 PM LAYOUT F32 DESIGNED CHECKED DRAFTED

MATCHLINE STA 252+00

ARRC ROW

FO

ARRC ROW

ROW

PI = STA 253+83.34
N = 256540.89
E = 412967.72
Δ = 8°08'03"
R = 70.00
T = 4.98
L = 9.94

PCC = STA 253+78.37
PT = STA 253+88.30

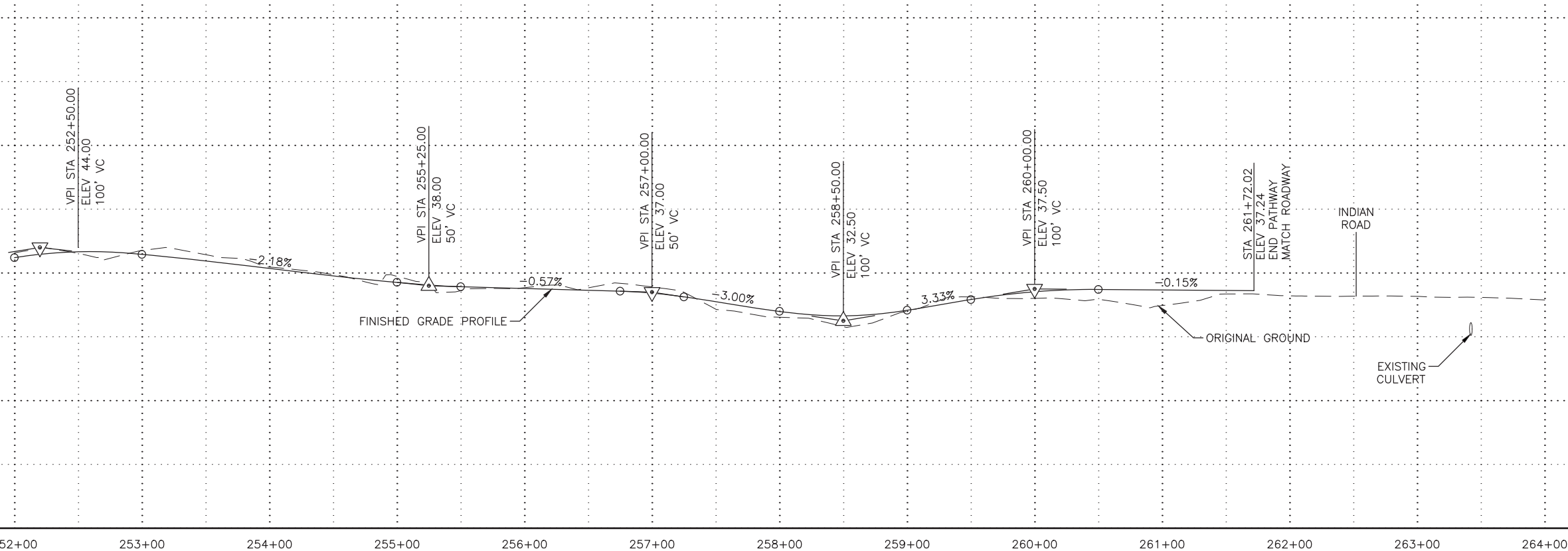
PI = STA 254+78.82
N = 256511.14
E = 412876.97
Δ = 5°08'03"
R = 80.00
T = 3.59
L = 7.17

PI = STA 256+95.96
N = 256462.22
E = 412665.41
Δ = 12°22'29"
R = 1969.86
T = 213.56
L = 425.45

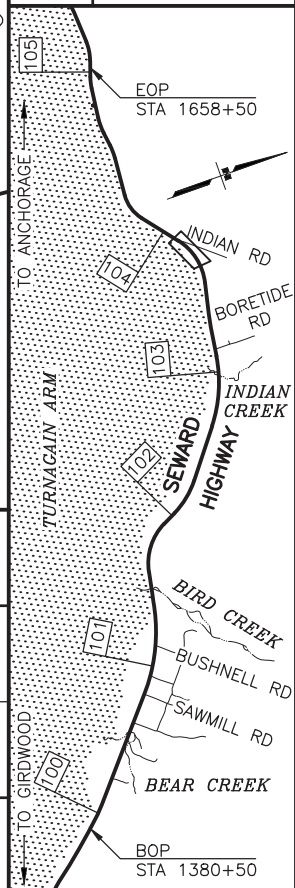
PI = STA 260+34.13
N = 256316.48
E = 412358.41
Δ = 23°46'15"
R = 600.00
T = 126.28
L = 248.93

PI = STA 262+01.36
N = 256187.21
E = 412246.69
Δ = 15°00'00"
R = 80.00
T = 10.53
L = 20.94

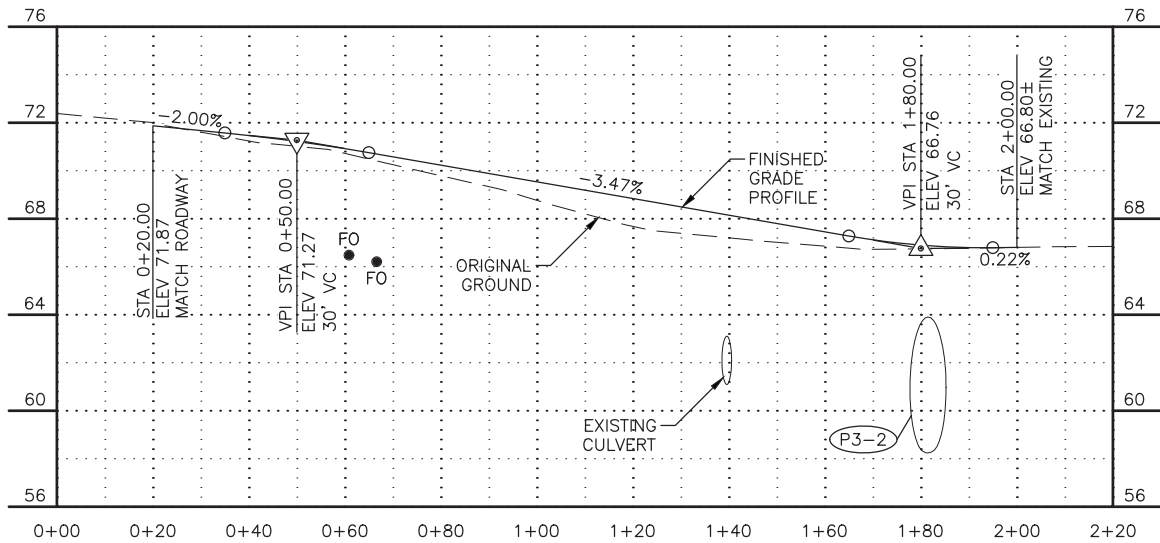
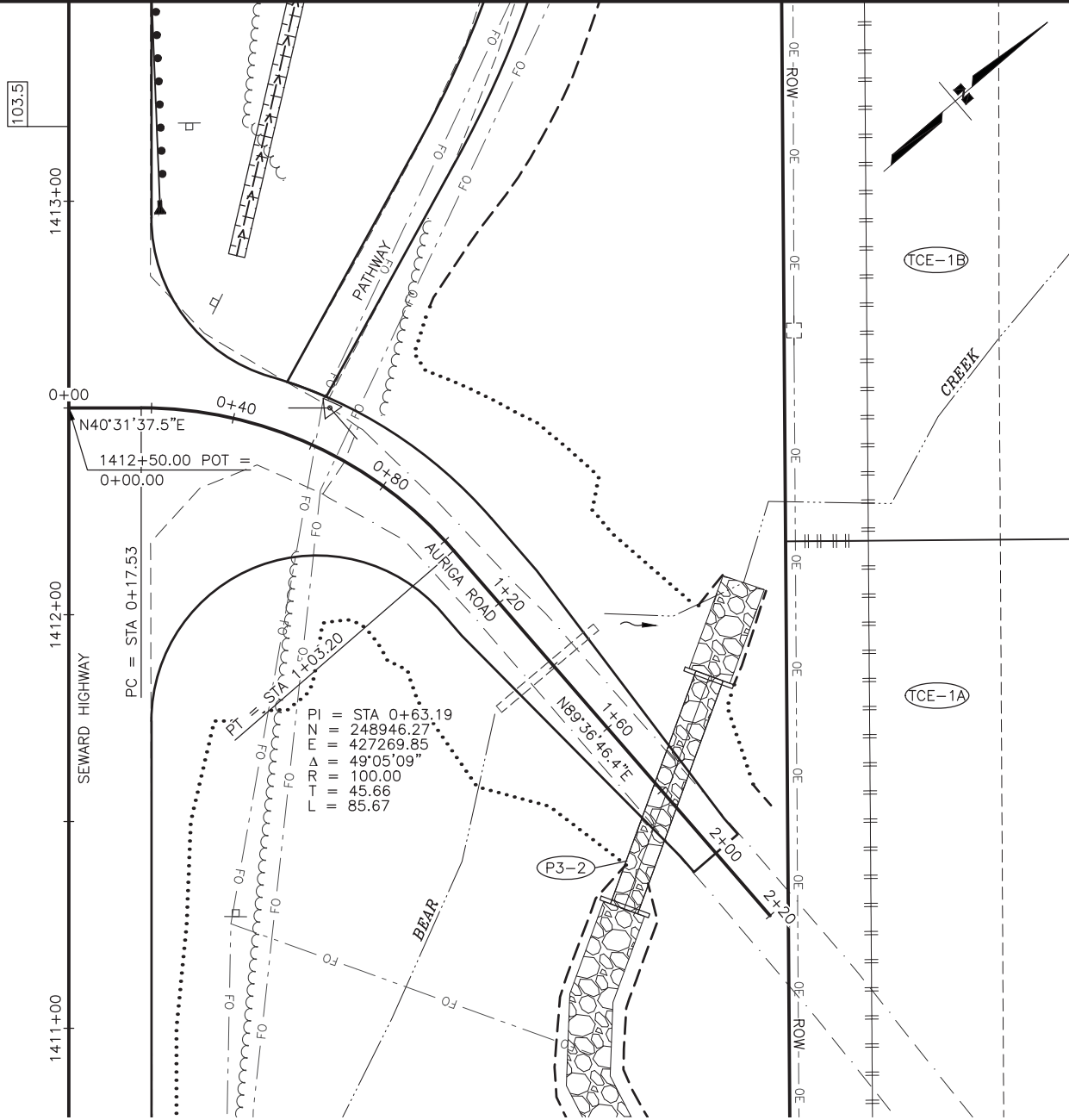
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E = 412173.39
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R = 1921.86
T = 78.06
L = 156.03



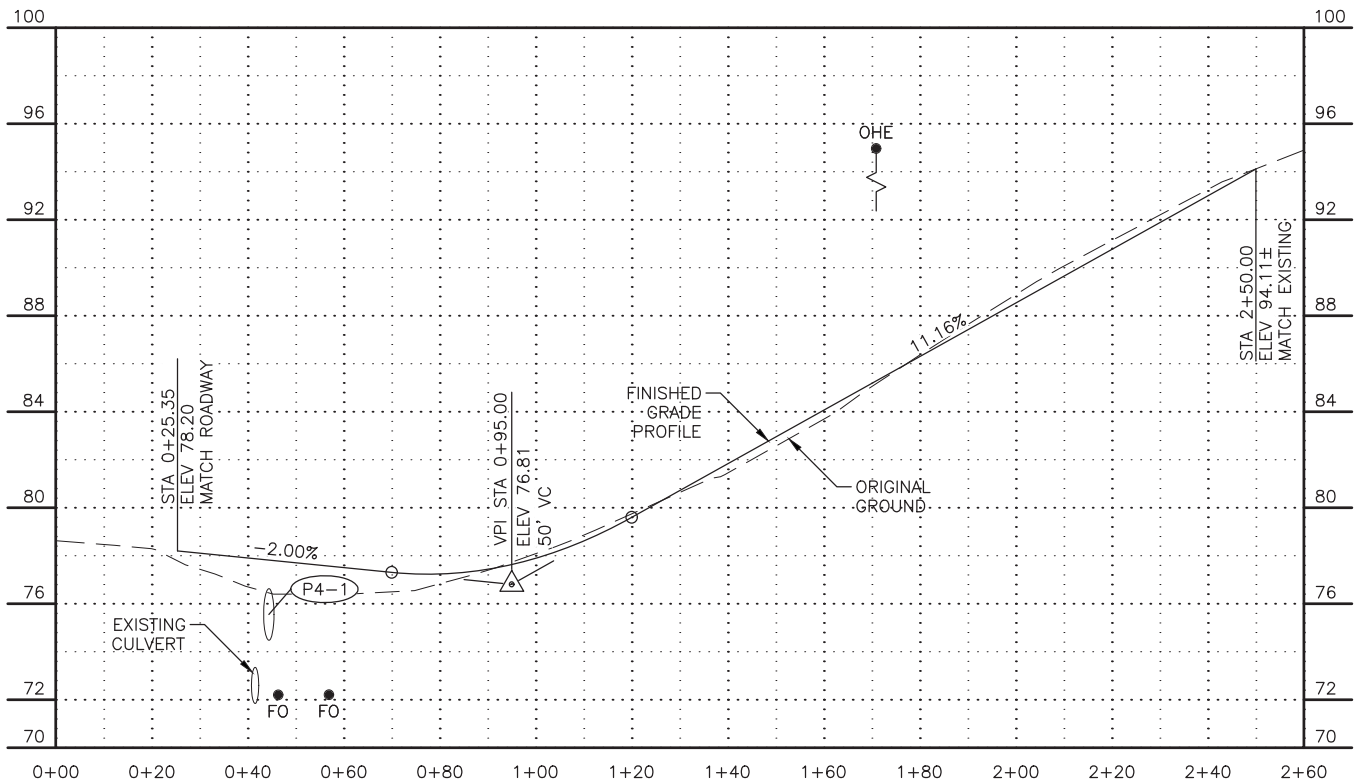
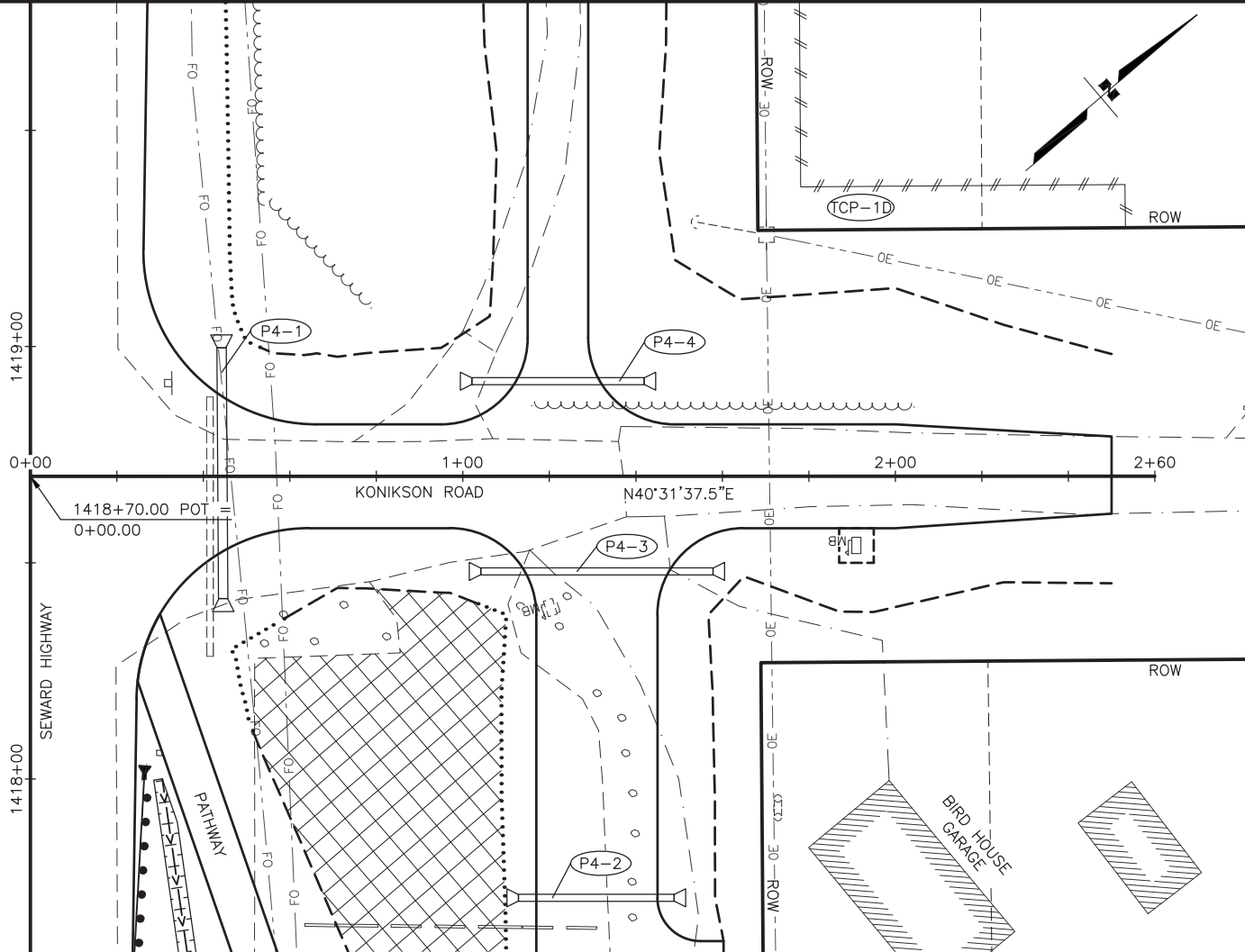
SHEET NO.		TOTAL SHEETS	
F32		F38	
STATE		YEAR	
ALASKA		2019	
PROJECT DESIGNATION			
0A31056/CFHWY00011 0001497/Z570880000			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
PS&E REVIEW FEBRUARY 2019			



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
PATHWAY
PLAN & PROFILE
STA 252+00 TO 264+00



"SEWARD HIGHWAY" 1412+50
AURIGA ROAD

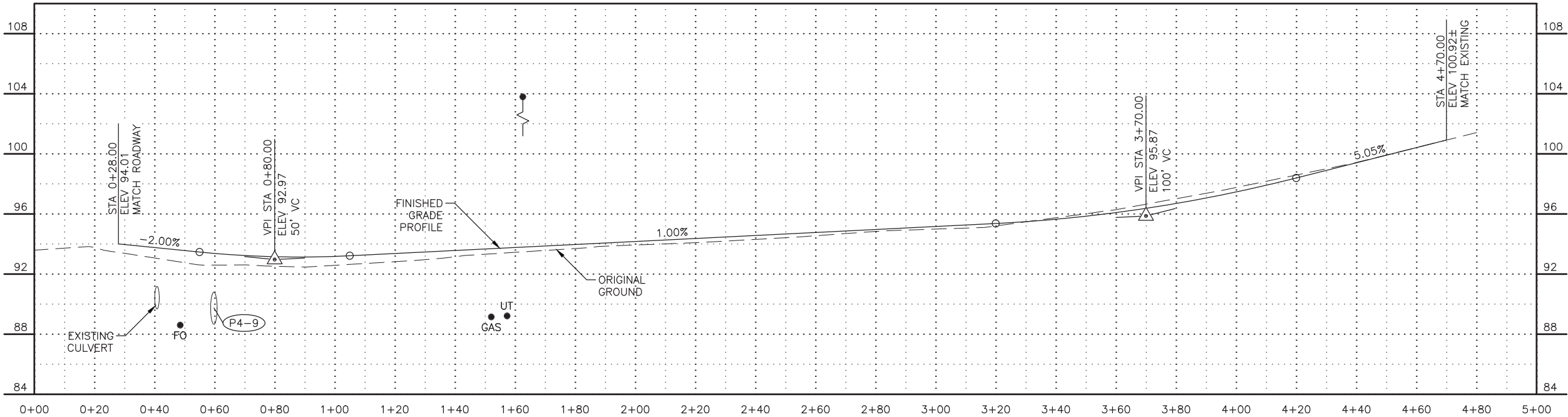
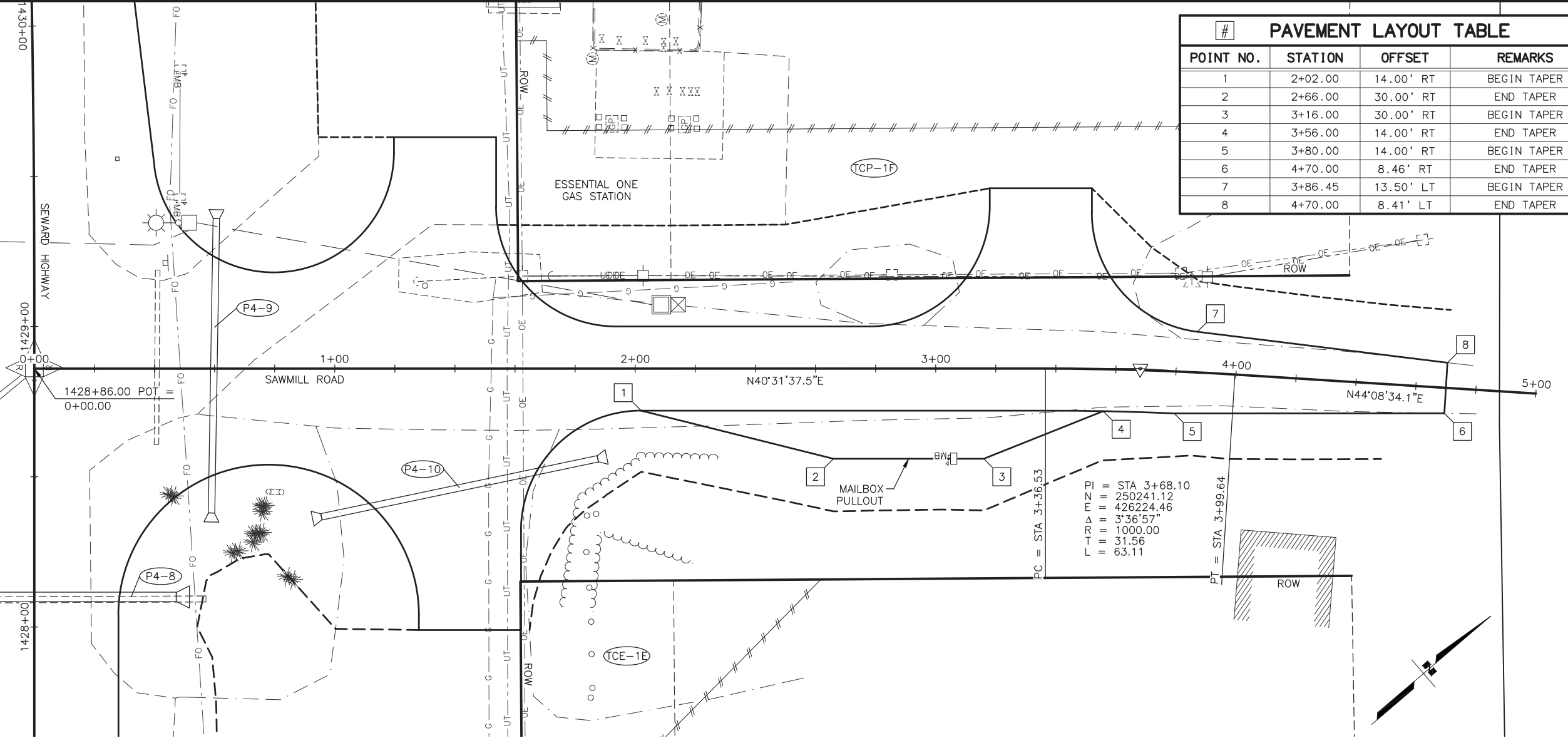


"SEWARD HIGHWAY" 1418+70
KONIKSON ROAD

SHEET NO.	TOTAL SHEETS
F33	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES	
APPROACH PLANS & PROFILES	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105\CIVIL\ACAD\SEWARD HWY\2129.01-F33.DWG 2/3/2019 2:09 PM [LAYOUT] F34 [DESIGNED] [CHECKED] [DRAFTED]

#	PAVEMENT LAYOUT TABLE		
POINT NO.	STATION	OFFSET	REMARKS
1	2+02.00	14.00' RT	BEGIN TAPER
2	2+66.00	30.00' RT	END TAPER
3	3+16.00	30.00' RT	BEGIN TAPER
4	3+56.00	14.00' RT	END TAPER
5	3+80.00	14.00' RT	BEGIN TAPER
6	4+70.00	8.46' RT	END TAPER
7	3+86.45	13.50' LT	BEGIN TAPER
8	4+70.00	8.41' LT	END TAPER



"SEWARD HIGHWAY" 1428+86
SAWMILL ROAD

SHEET NO.
F34

STATE
ALASKA

TOTAL SHEETS
F38

YEAR
2019

PROJECT DESIGNATION
**0A31056/CFHWY00011
0001497/Z570880000**

NO.
DATE

REVISION

NO.
DATE

REVISION

NO.
DATE

REVISION

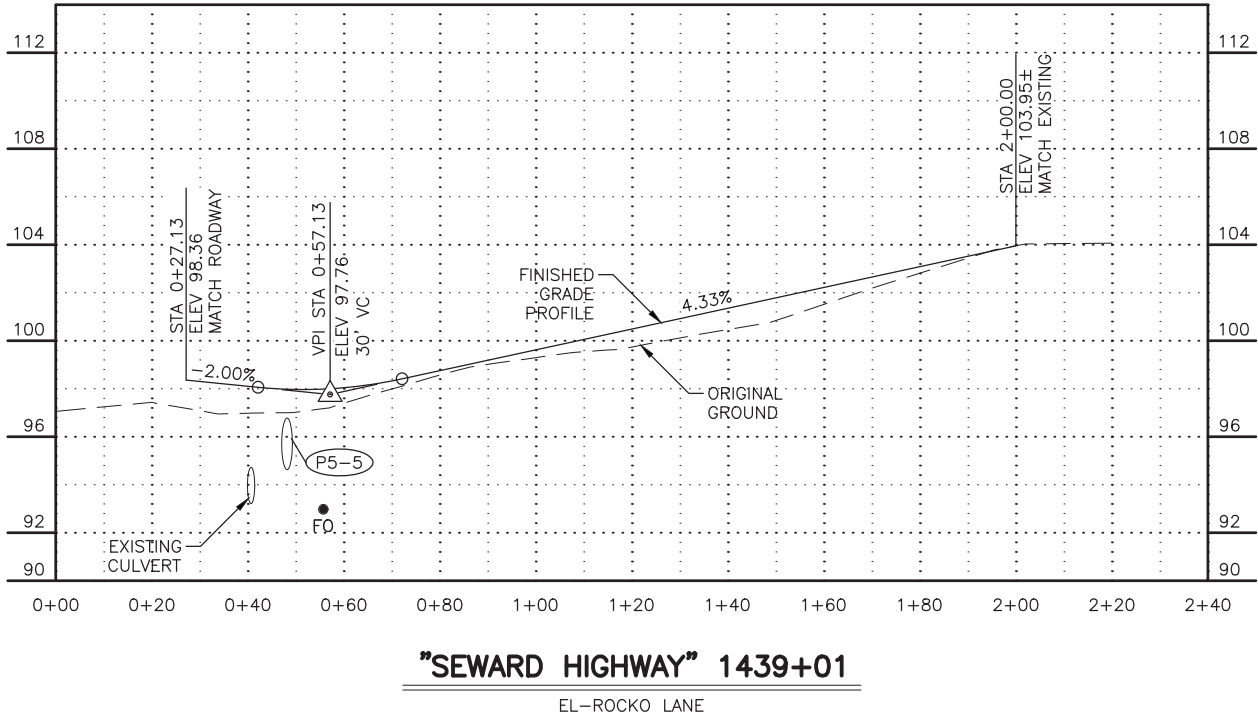
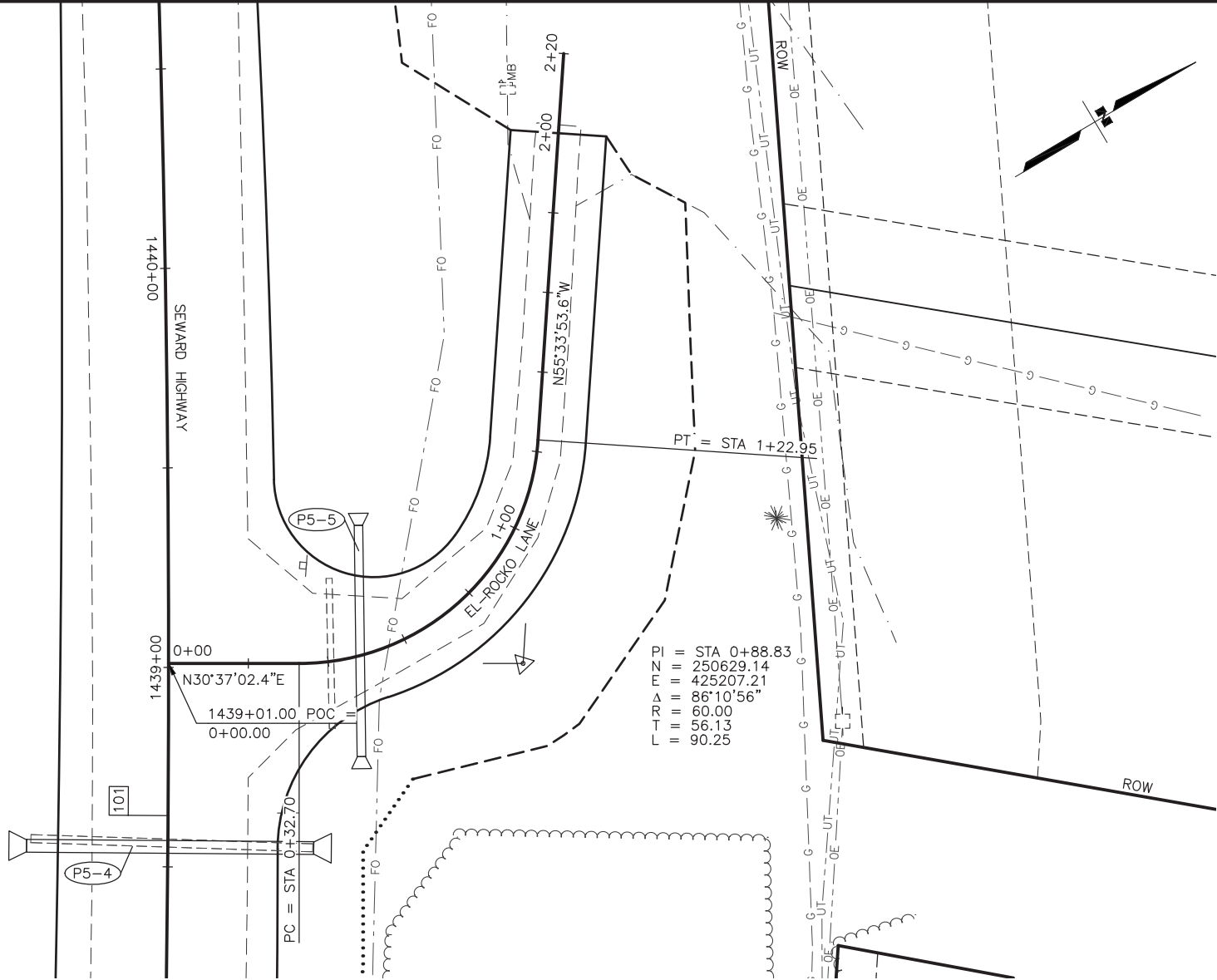
**PS&E REVIEW
FEBRUARY 2019**

TO ANCHORAGE
INDIAN RD
BORETIDE RD
INDIAN CREEK
SEWARD HIGHWAY
BIRD CREEK
BUSHNELL RD
SAWMILL RD
BEAR CREEK
TO GIRDWOOD

STATE OF ALASKA
4919
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

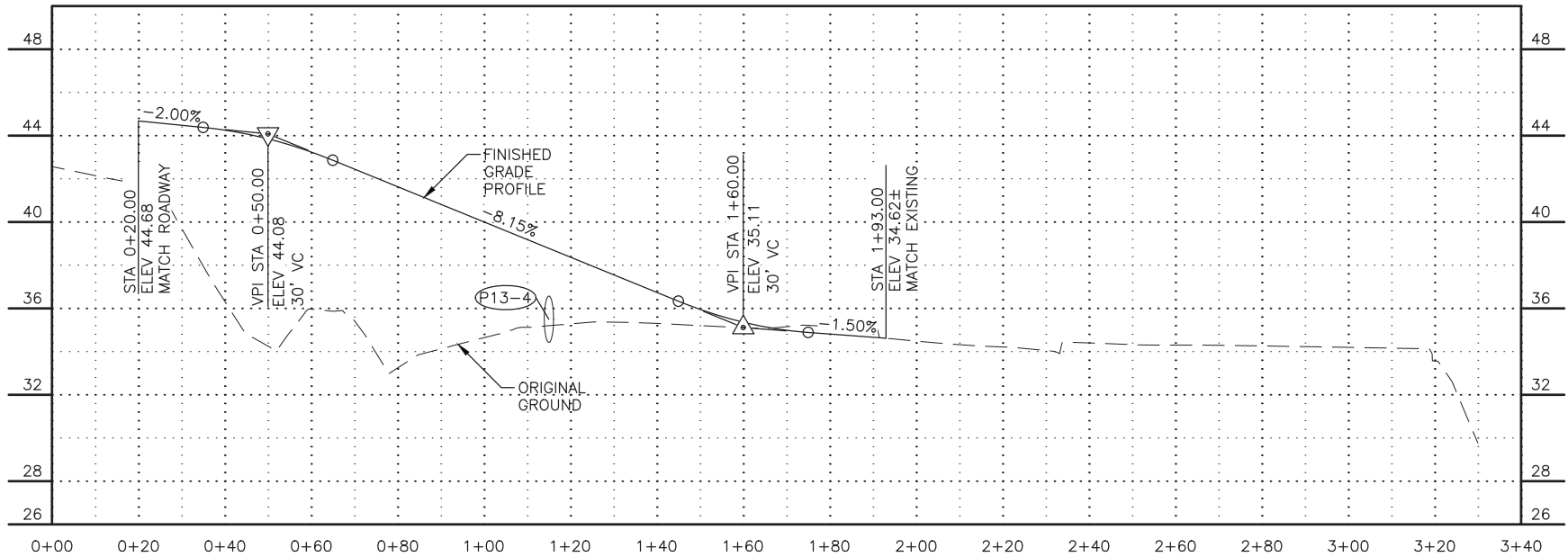
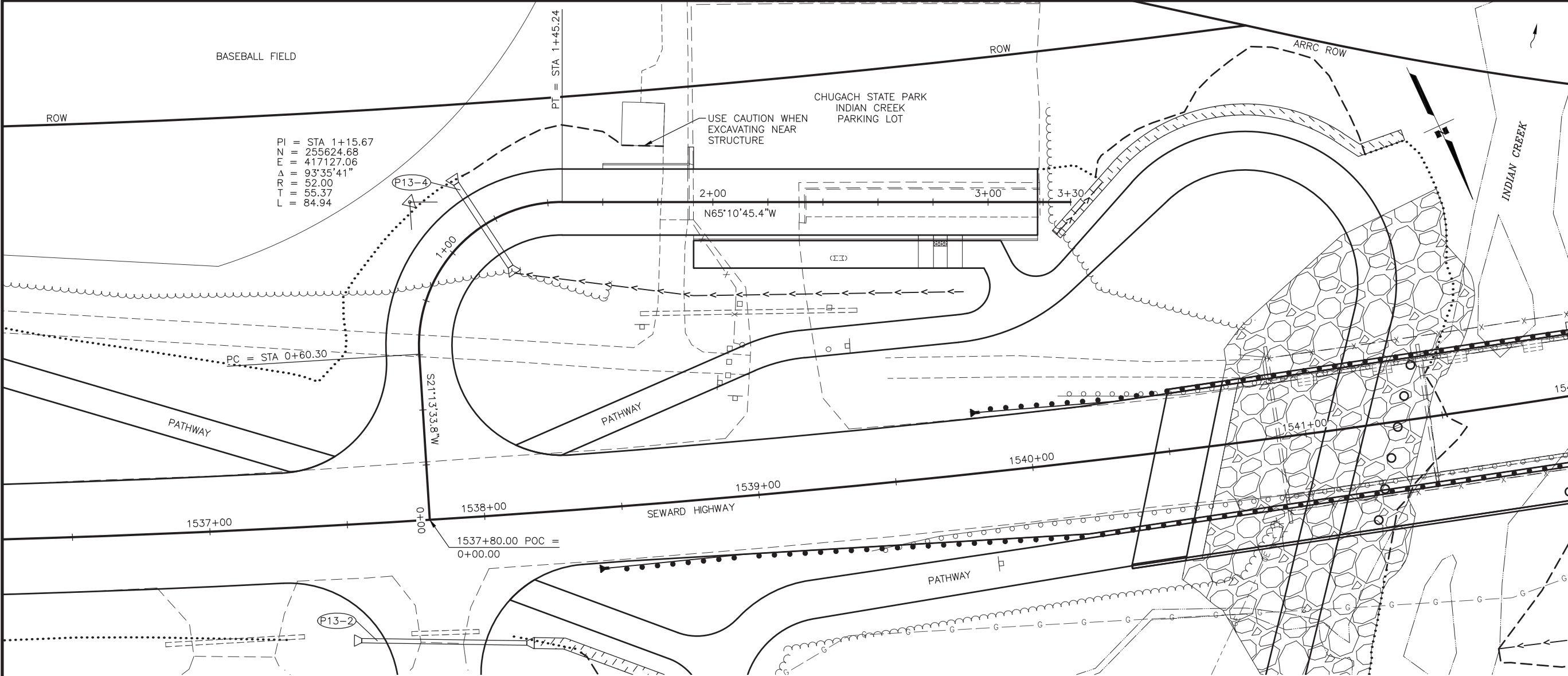
R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
APPROACH
PLANS & PROFILES



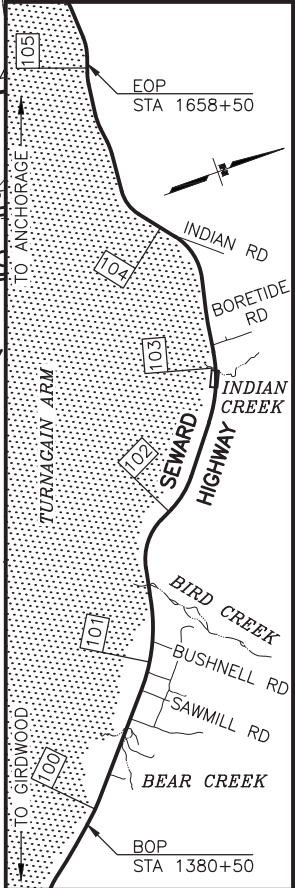
SHEET NO.	TOTAL SHEETS
F35	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES	
APPROACH PLANS & PROFILES	

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"SEWARD HIGHWAY" 1537+80
CHUGACH STATE PARK INDIAN CREEK PARKING LOT

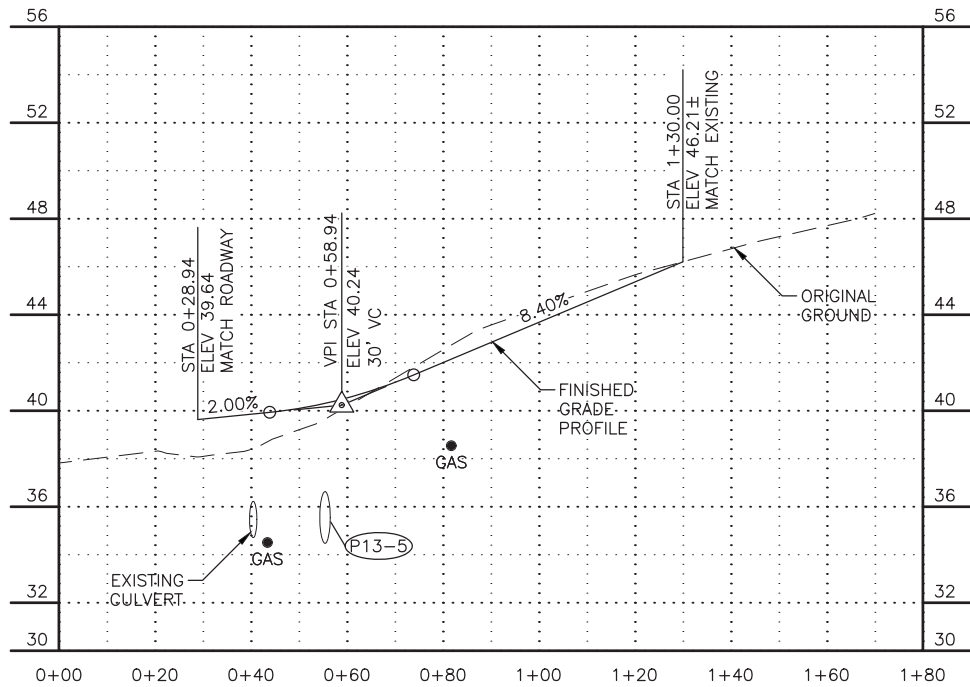
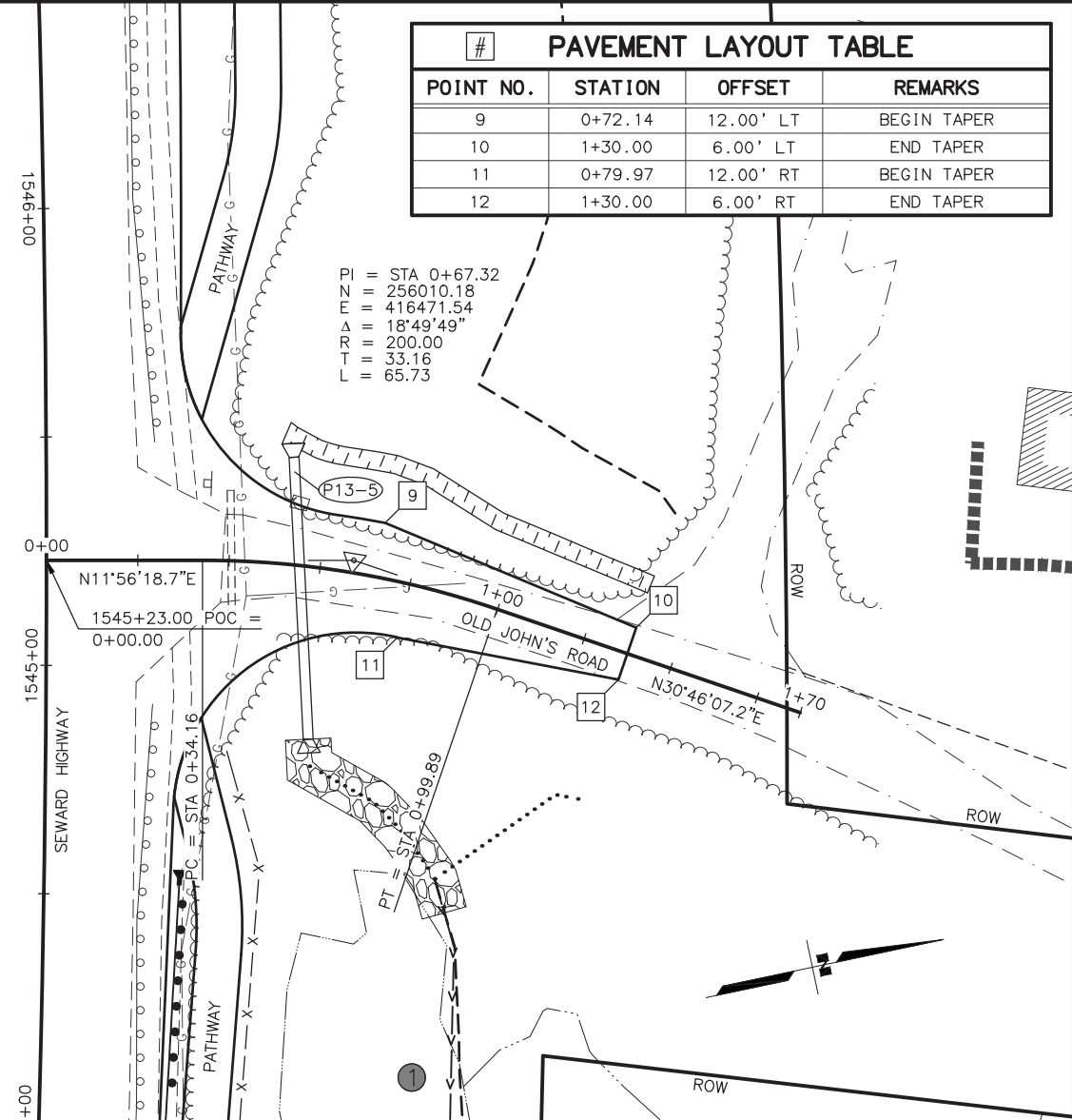
SHEET NO.	TOTAL SHEETS
F36	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
PS&E REVIEW FEBRUARY 2019	



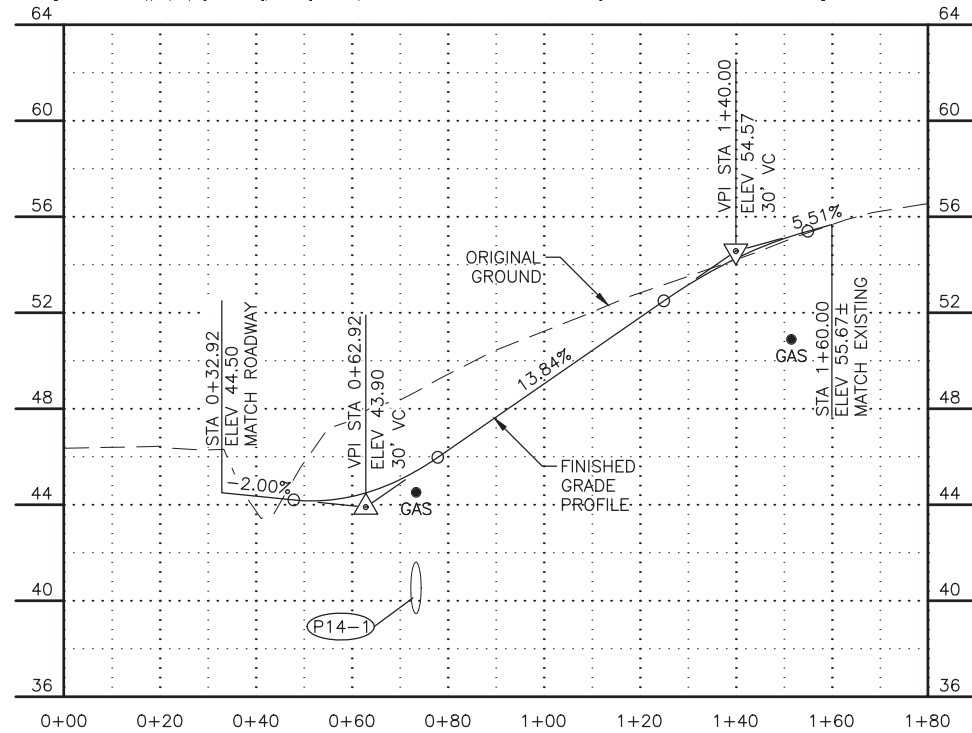
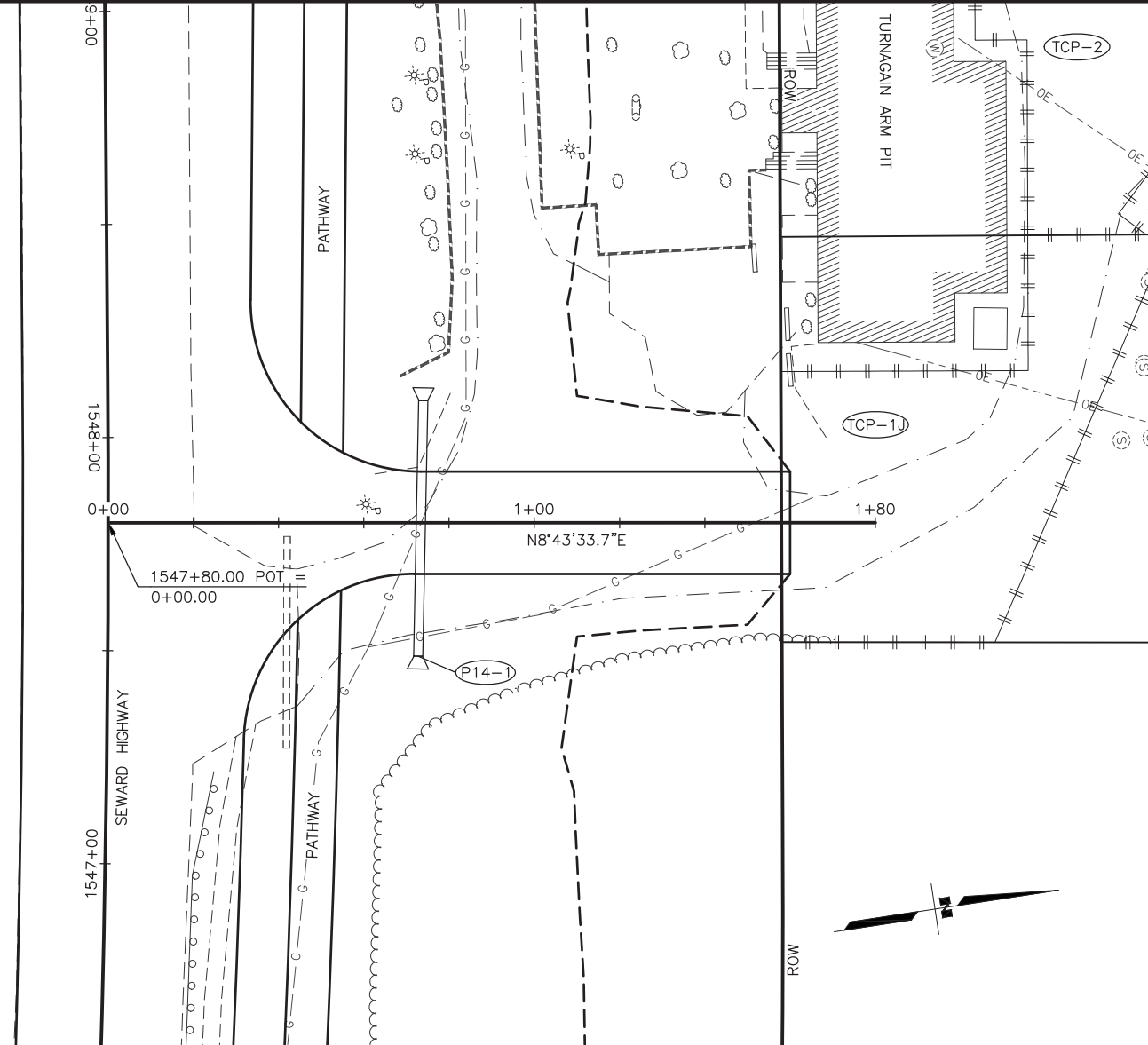
R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

APPROACH
PLANS & PROFILES



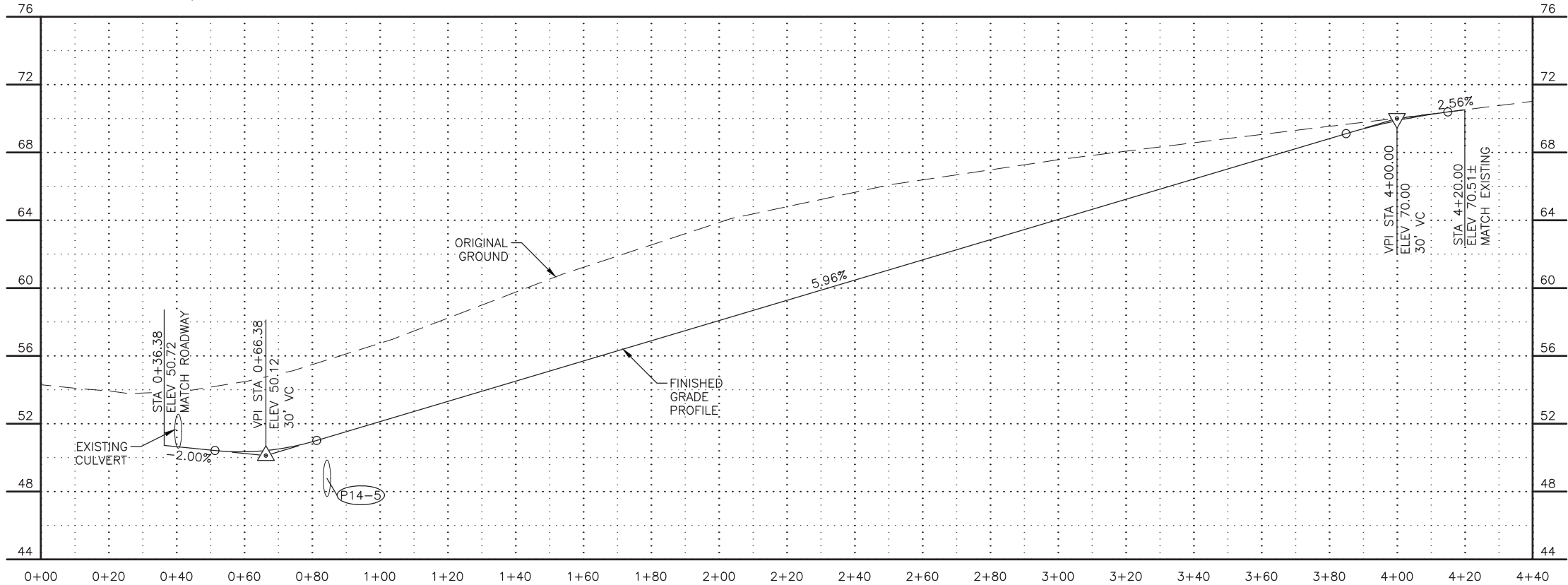
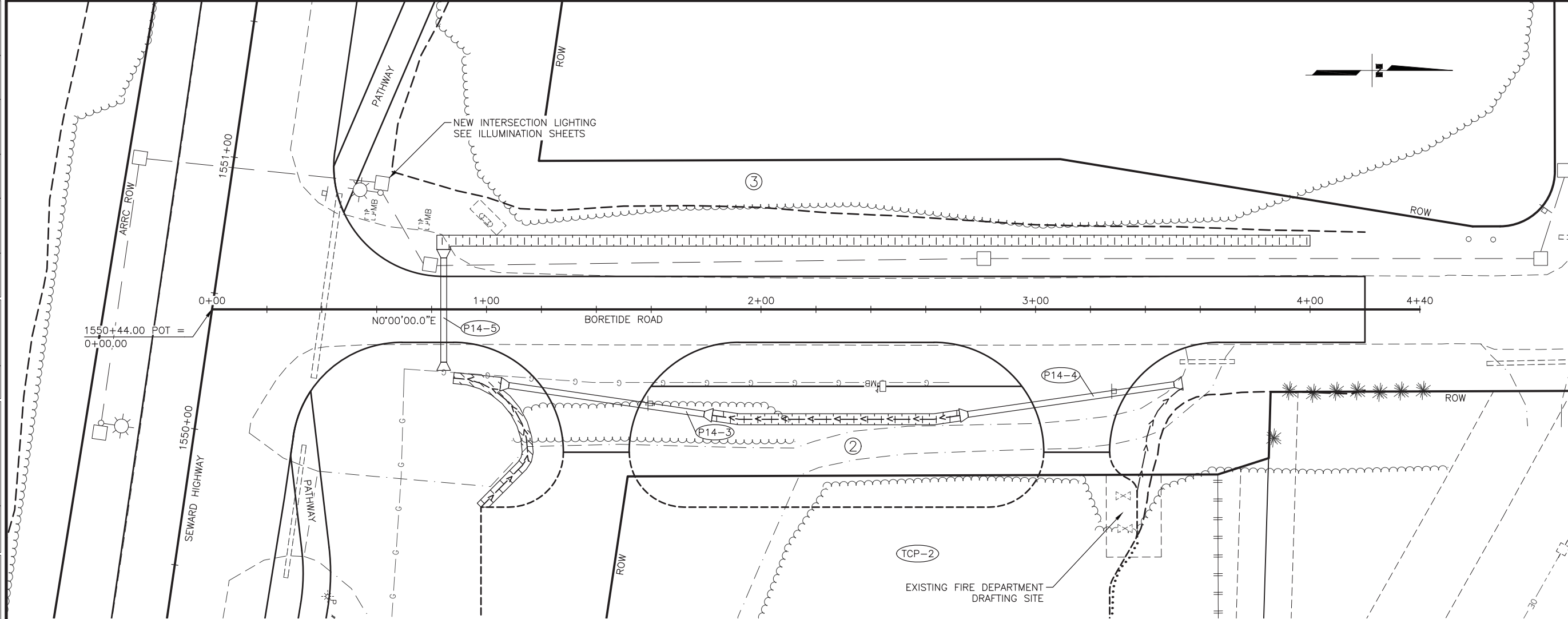
"SEWARD HIGHWAY" 1545+23
OLD JOHN'S ROAD



"SEWARD HIGHWAY" 1547+80
TURNAGAIN ARM PIT

SHEET NO.	TOTAL SHEETS
F37	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
<p>TO ANCHORAGE</p> <p>TO GRIWOOD</p> <p>INDIAN RD</p> <p>BORETIDE RD</p> <p>INDIAN CREEK</p> <p>SEWARD HIGHWAY</p> <p>BIRD CREEK</p> <p>BUSHNELL RD</p> <p>SAWMILL RD</p> <p>BEAR CREEK</p> <p>FOP STA 1658+50</p> <p>BOP STA 1380+50</p>	
<p>STATE OF ALASKA ★ 49th ★ PROJECT ENGINEER 0000 REGISTERED PROFESSIONAL ENGINEER</p> <p>R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111</p>	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES	
APPROACH PLANS & PROFILES	

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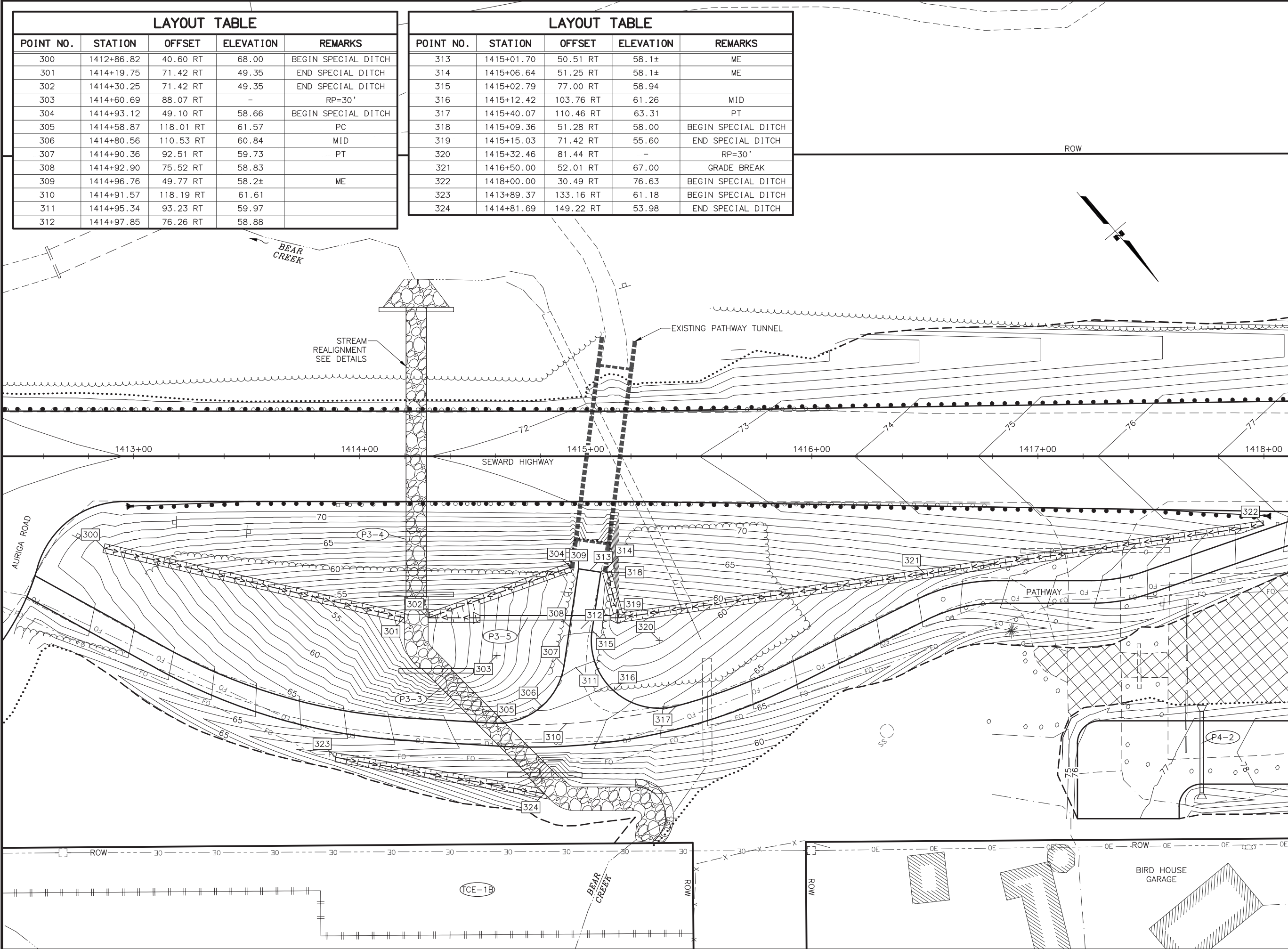
"SEWARD HIGHWAY" 1550+44
BORETIDE ROAD

SHEET NO.	TOTAL SHEETS
F38	F38
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
TO ANCHORAGE STA 1658+50	
INDIAN RD BORETIDE RD INDIAN CREEK SEWARD HIGHWAY BIRD CREEK BUSHNELL RD SAWMILL RD BEAR CREEK TO GIRDWOOD STA 1380+50	
STATE OF ALASKA 49th PROJECT ENGINEER 0000 REGISTERED PROFESSIONAL ENGINEER	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES	
APPROACH PLANS & PROFILES	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL ACAD\SEWARD HWY 2129.01-001.DWG DATE/TIME 2/3/2019 2:11 PM LAYOUT G1 DESIGNED CHECKED DRAFTED

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
300	1412+86.82	40.60 RT	68.00	BEGIN SPECIAL DITCH
301	1414+19.75	71.42 RT	49.35	END SPECIAL DITCH
302	1414+30.25	71.42 RT	49.35	END SPECIAL DITCH
303	1414+60.69	88.07 RT	-	RP=30'
304	1414+93.12	49.10 RT	58.66	BEGIN SPECIAL DITCH
305	1414+58.87	118.01 RT	61.57	PC
306	1414+80.56	110.53 RT	60.84	MID
307	1414+90.36	92.51 RT	59.73	PT
308	1414+92.90	75.52 RT	58.83	
309	1414+96.76	49.77 RT	58.2±	ME
310	1414+91.57	118.19 RT	61.61	
311	1414+95.34	93.23 RT	59.97	
312	1414+97.85	76.26 RT	58.88	

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
313	1415+01.70	50.51 RT	58.1±	ME
314	1415+06.64	51.25 RT	58.1±	ME
315	1415+02.79	77.00 RT	58.94	
316	1415+12.42	103.76 RT	61.26	MID
317	1415+40.07	110.46 RT	63.31	PT
318	1415+09.36	51.28 RT	58.00	BEGIN SPECIAL DITCH
319	1415+15.03	71.42 RT	55.60	END SPECIAL DITCH
320	1415+32.46	81.44 RT	-	RP=30'
321	1416+50.00	52.01 RT	67.00	GRADE BREAK
322	1418+00.00	30.49 RT	76.63	BEGIN SPECIAL DITCH
323	1413+89.37	133.16 RT	61.18	BEGIN SPECIAL DITCH
324	1414+81.69	149.22 RT	53.98	END SPECIAL DITCH



SHEET NO.
G1

TOTAL SHEETS
G6

STATE

YEAR

ALASKA

2019

PROJECT DESIGNATION
**0A31056/CFHWY00011
0001497/Z570880000**

NO.

REVISION

DATE

NO.

REVISION

DATE

NO.

REVISION

PS&E REVIEW
FEBRUARY 2019

TO ANCHORAGE
STA 1658+50

INDIAN RD

BORTIDE RD

INDIAN CREEK

SEWARD HIGHWAY

BIRD CREEK

BUSHNELL RD

SAWMILL RD

BEAR CREEK

BOP
STA 1380+50

STATE OF ALASKA
★ 49th ★
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

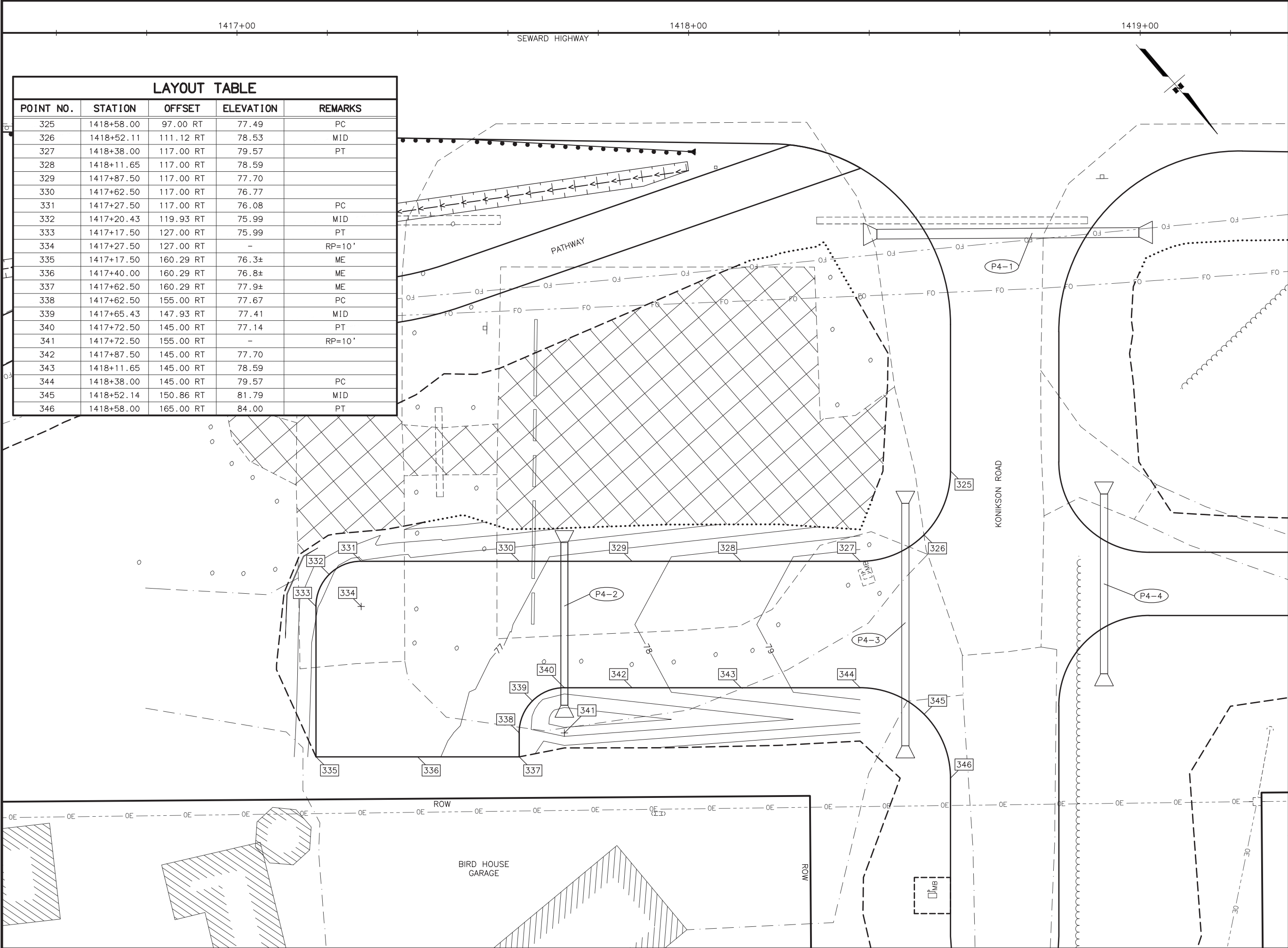
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

GRADING PLAN
BEAR CREEK

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL ACAD\SEWARD HWY 2129.01-G01.DWG 2/3/2019 2:12 PM [LAYOUT] G2 [DESIGNED] [CHECKED] [DRAFTED]

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
325	1418+58.00	97.00 RT	77.49	PC
326	1418+52.11	111.12 RT	78.53	MID
327	1418+38.00	117.00 RT	79.57	PT
328	1418+11.65	117.00 RT	78.59	
329	1417+87.50	117.00 RT	77.70	
330	1417+62.50	117.00 RT	76.77	
331	1417+27.50	117.00 RT	76.08	PC
332	1417+20.43	119.93 RT	75.99	MID
333	1417+17.50	127.00 RT	75.99	PT
334	1417+27.50	127.00 RT	-	RP=10'
335	1417+17.50	160.29 RT	76.3±	ME
336	1417+40.00	160.29 RT	76.8±	ME
337	1417+62.50	160.29 RT	77.9±	ME
338	1417+62.50	155.00 RT	77.67	PC
339	1417+65.43	147.93 RT	77.41	MID
340	1417+72.50	145.00 RT	77.14	PT
341	1417+72.50	155.00 RT	-	RP=10'
342	1417+87.50	145.00 RT	77.70	
343	1418+11.65	145.00 RT	78.59	
344	1418+38.00	145.00 RT	79.57	PC
345	1418+52.14	150.86 RT	81.79	MID
346	1418+58.00	165.00 RT	84.00	PT



SHEET NO.	TOTAL SHEETS
G2	G6
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES GRADING PLAN KONIKSON ROAD APPROACH 1+31	

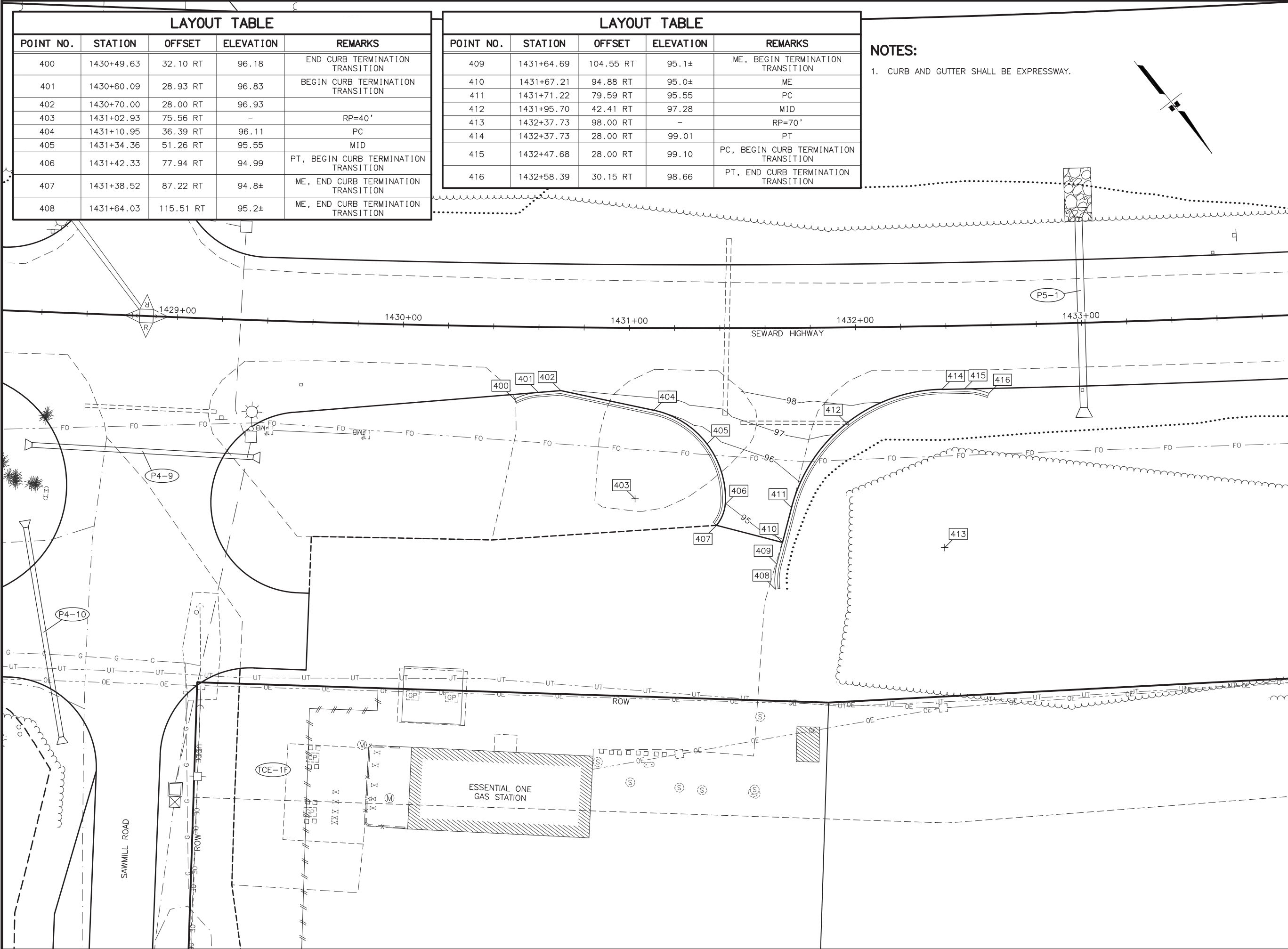
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LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
400	1430+49.63	32.10 RT	96.18	END CURB TERMINATION TRANSITION
401	1430+60.09	28.93 RT	96.83	BEGIN CURB TERMINATION TRANSITION
402	1430+70.00	28.00 RT	96.93	
403	1431+02.93	75.56 RT	-	RP=40'
404	1431+10.95	36.39 RT	96.11	PC
405	1431+34.36	51.26 RT	95.55	MID
406	1431+42.33	77.94 RT	94.99	PT, BEGIN CURB TERMINATION TRANSITION
407	1431+38.52	87.22 RT	94.8±	ME, END CURB TERMINATION TRANSITION
408	1431+64.03	115.51 RT	95.2±	ME, END CURB TERMINATION TRANSITION

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
409	1431+64.69	104.55 RT	95.1±	ME, BEGIN TERMINATION TRANSITION
410	1431+67.21	94.88 RT	95.0±	ME
411	1431+71.22	79.59 RT	95.55	PC
412	1431+95.70	42.41 RT	97.28	MID
413	1432+37.73	98.00 RT	-	RP=70'
414	1432+37.73	28.00 RT	99.01	PT
415	1432+47.68	28.00 RT	99.10	PC, BEGIN CURB TERMINATION TRANSITION
416	1432+58.39	30.15 RT	98.66	PT, END CURB TERMINATION TRANSITION

NOTES:

1. CURB AND GUTTER SHALL BE EXPRESSWAY.

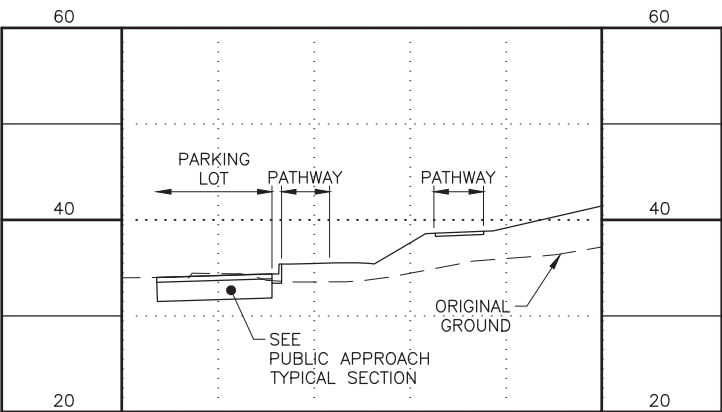


SHEET NO.	TOTAL SHEETS
G3	G6
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	
R&M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES GRADING PLAN SAWMILL DRIVEWAY	

FILE Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL ACAD\SEWARD HWY 2129.01-001.DWG DATE/TIME 2/3/2019 2:12 PM LAYOUT G4 DESIGNED CHECKED DRAFTED

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
500	1538+37.57	123.82 LT	36.08	PT
501	1538+52.69	122.69 LT	35.18	BEGIN CURB
502	1538+86.47	119.98 LT	34.6±	ME
503	1538+87.18	127.95 LT	34.5±	ME, END CURB
504	1539+12.04	117.76 LT	34.2±	ME
505	1539+37.58	115.40 LT	34.0±	ME
506	1539+63.09	112.91 LT	33.7±	ME
507	1539+88.57	110.28 LT	33.6±	ME
508	1540+14.02	107.51 LT	33.6±	ME
509	1540+11.24	83.66 LT	33.82	
510	1539+85.92	86.42 LT	33.99	
511	1539+60.58	89.04 LT	34.16	
512	1539+35.20	91.52 LT	34.33	
513	1539+09.80	93.86 LT	34.50	
514	1538+84.37	96.06 LT	34.67	
515	1538+35.72	99.89 LT	36.08	PT
516	1538+84.19	94.07 LT	35.72	

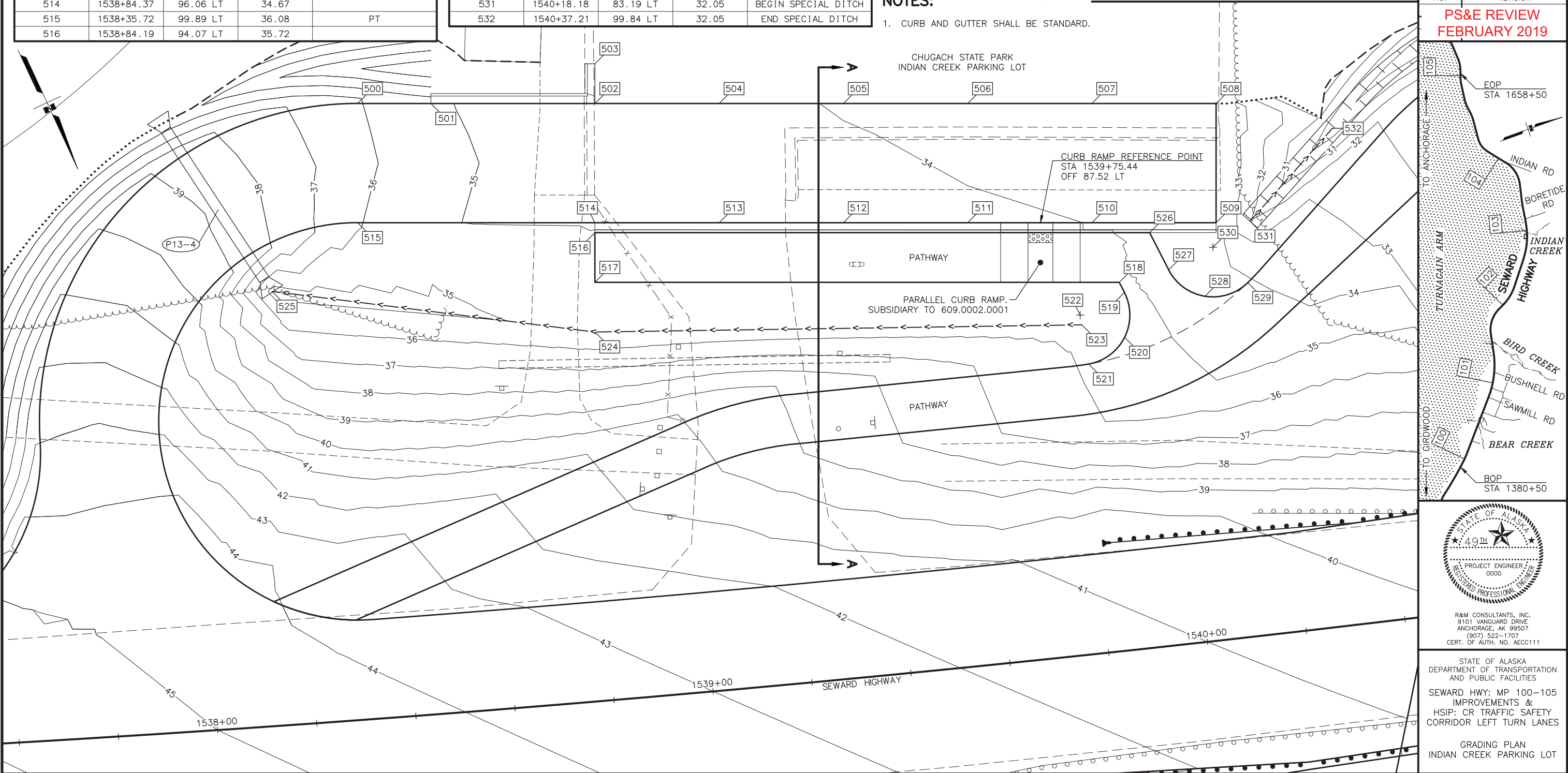
LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
517	1538+83.32	84.11 LT	35.82	
518	1539+90.19	73.89 LT	35.09	
519	1539+91.01	71.76 LT	35.18	PC
520	1539+90.05	62.77 LT	35.53	MID
521	1539+82.15	58.21 LT	35.88	PT
522	1539+81.53	68.19 LT	-	RP=10'
523	1539+81.65	66.20 LT	35.76	BEGIN SPECIAL DITCH
524	1538+82.46	74.14 LT	35.12	
525	1538+17.17	87.36 LT	34.69	END SPECIAL DITCH
526	1539+97.49	83.17 LT	34.95	
527	1540+00.52	75.31 LT	34.67	PC
528	1540+07.29	69.21 LT	34.36	MID
529	1540+16.29	70.96 LT	34.05	PT
530	1540+10.03	78.84 LT	-	RP=10'
531	1540+18.18	83.19 LT	32.05	BEGIN SPECIAL DITCH
532	1540+37.21	99.84 LT	32.05	END SPECIAL DITCH



SECTION A-A

NOTES:

1. CURB AND GUTTER SHALL BE STANDARD.



SHEET NO.	TOTAL SHEETS
G4	G6
STATE	YEAR
ALASKA	2019
PROJECT DESIGNATION	
0A31056/CFHWY00011 0001497/Z570880000	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
PS&E REVIEW FEBRUARY 2019	

STATE OF ALASKA
49th
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

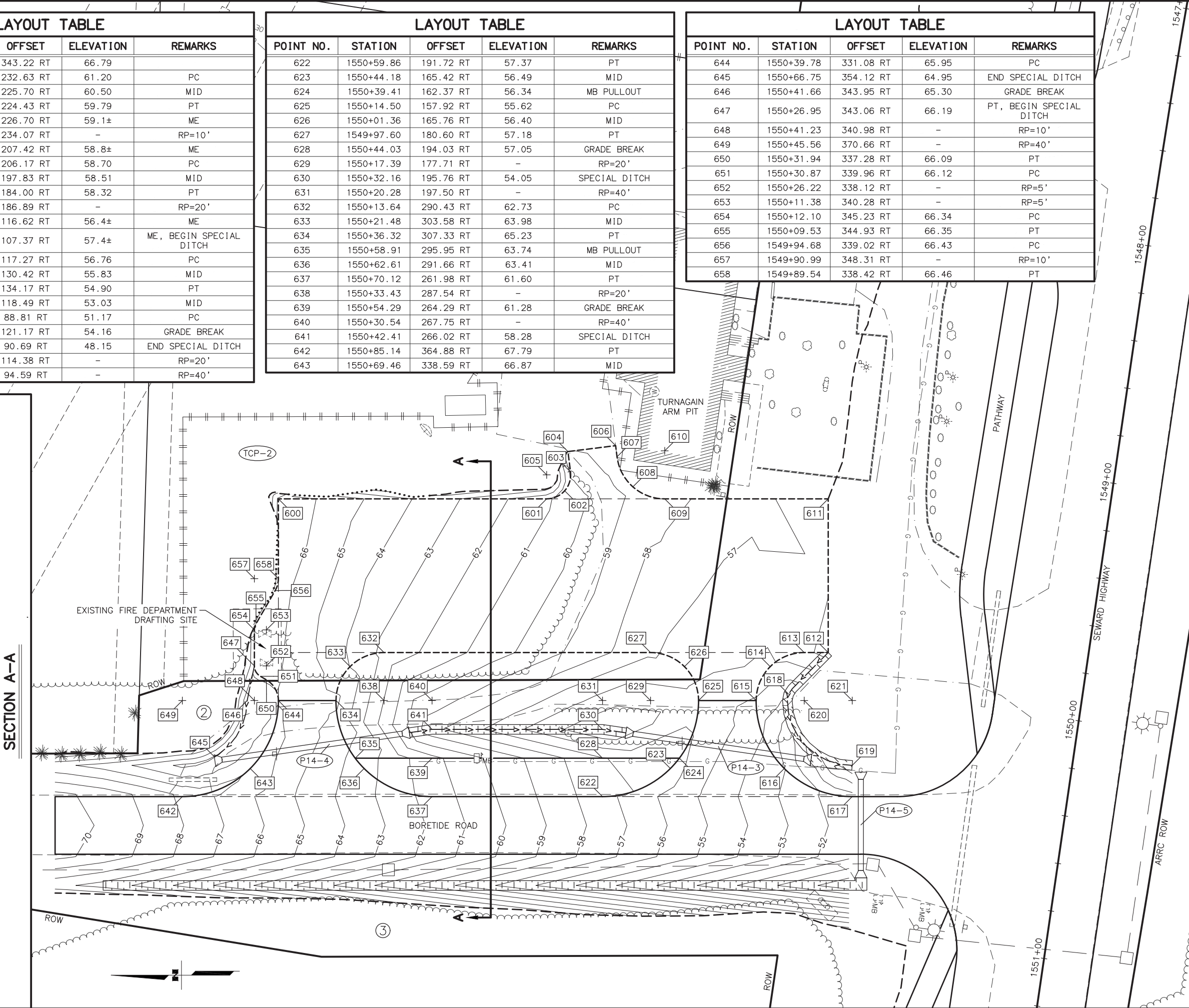
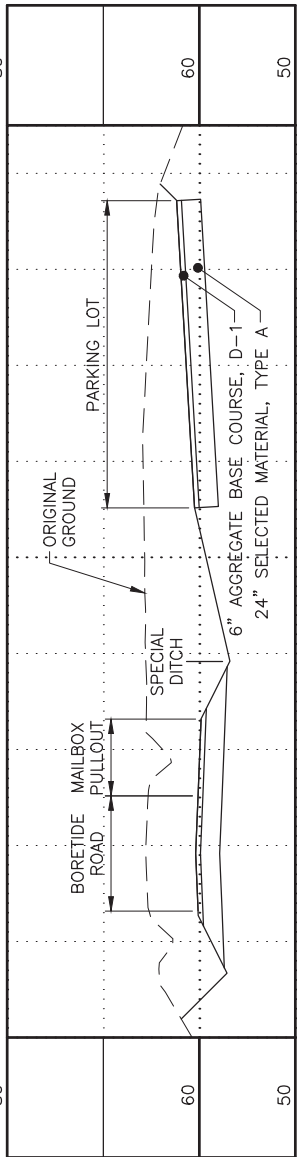
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES

GRADING PLAN
INDIAN CREEK PARKING LOT

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
600	1549+56.66	343.22 RT	66.79	
601	1549+40.52	232.63 RT	61.20	PC
602	1549+36.09	225.70 RT	60.50	MID
603	1549+27.97	224.43 RT	59.79	PT
604	1549+19.74	226.70 RT	59.1±	ME
605	1549+30.62	234.07 RT	-	RP=10'
606	1549+14.43	207.42 RT	58.8±	ME
607	1549+18.95	206.17 RT	58.70	PC
608	1549+30.38	197.83 RT	58.51	MID
609	1549+33.42	184.00 RT	58.32	PT
610	1549+13.63	186.89 RT	-	RP=20'
611	1549+23.58	116.62 RT	56.4±	ME
612	1549+86.91	107.37 RT	57.4±	ME, BEGIN SPECIAL DITCH
613	1549+88.36	117.27 RT	56.76	PC
614	1549+96.20	130.42 RT	55.83	MID
615	1550+11.04	134.17 RT	54.90	PT
616	1550+37.33	118.49 RT	53.03	MID
617	1550+44.84	88.81 RT	51.17	PC
618	1550+06.44	121.17 RT	54.16	GRADE BREAK
619	1550+31.97	90.69 RT	48.15	END SPECIAL DITCH
620	1550+08.15	114.38 RT	-	RP=20'
621	1550+05.26	94.59 RT	-	RP=40'

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
622	1550+59.86	191.72 RT	57.37	PT
623	1550+44.18	165.42 RT	56.49	MID
624	1550+39.41	162.37 RT	56.34	MB PULLOUT
625	1550+14.50	157.92 RT	55.62	PC
626	1550+01.36	165.76 RT	56.40	MID
627	1549+97.60	180.60 RT	57.18	PT
628	1550+44.03	194.03 RT	57.05	GRADE BREAK
629	1550+17.39	177.71 RT	-	RP=20'
630	1550+32.16	195.76 RT	54.05	SPECIAL DITCH
631	1550+20.28	197.50 RT	-	RP=40'
632	1550+13.64	290.43 RT	62.73	PC
633	1550+21.48	303.58 RT	63.98	MID
634	1550+36.32	307.33 RT	65.23	PT
635	1550+58.91	295.95 RT	63.74	MB PULLOUT
636	1550+62.61	291.66 RT	63.41	MID
637	1550+70.12	261.98 RT	61.60	PT
638	1550+33.43	287.54 RT	-	RP=20'
639	1550+54.29	264.29 RT	61.28	GRADE BREAK
640	1550+30.54	267.75 RT	-	RP=40'
641	1550+42.41	266.02 RT	58.28	SPECIAL DITCH
642	1550+85.14	364.88 RT	67.79	PT
643	1550+69.46	338.59 RT	66.87	MID

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
644	1550+39.78	331.08 RT	65.95	PC
645	1550+66.75	354.12 RT	64.95	END SPECIAL DITCH
646	1550+41.66	343.95 RT	65.30	GRADE BREAK
647	1550+26.95	343.06 RT	66.19	PT, BEGIN SPECIAL DITCH
648	1550+41.23	340.98 RT	-	RP=10'
649	1550+45.56	370.66 RT	-	RP=40'
650	1550+31.94	337.28 RT	66.09	PT
651	1550+30.87	339.96 RT	66.12	PC
652	1550+26.22	338.12 RT	-	RP=5'
653	1550+11.38	340.28 RT	-	RP=5'
654	1550+12.10	345.23 RT	66.34	PC
655	1550+09.53	344.93 RT	66.35	PT
656	1549+94.68	339.02 RT	66.43	PC
657	1549+90.99	348.31 RT	-	RP=10'
658	1549+89.54	338.42 RT	66.46	PT



SHEET NO. G5

TOTAL SHEETS G6

STATE

YEAR

ALASKA

2019

PROJECT DESIGNATION

0A31056/CFHWY00011
0001497/Z570880000

NO.

REVISION

DATE

NO.

REVISION

DATE

NO.

REVISION

PS&E REVIEW
FEBRUARY 2019

TO ANCHORAGE

TO GIRDWOOD

TURNAGAIN ARM

INDIAN RD

BORETIDE RD

INDIAN CREEK

SEWARD HIGHWAY

BIRD CREEK

BUSHNELL RD

SAWMILL RD

BEAR CREEK

FOP STA 1658+50

BOP STA 1380+50

STATE OF ALASKA

49th

PROJECT ENGINEER

0000

REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.

9101 VANGUARD DRIVE

ANCHORAGE, AK 99507

(907) 522-1707

CERT. OF AUTH. NO. AECC111

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SEWARD HWY: MP 100-105 IMPROVEMENTS & HSIP: CR TRAFFIC SAFETY CORRIDOR LEFT TURN LANES

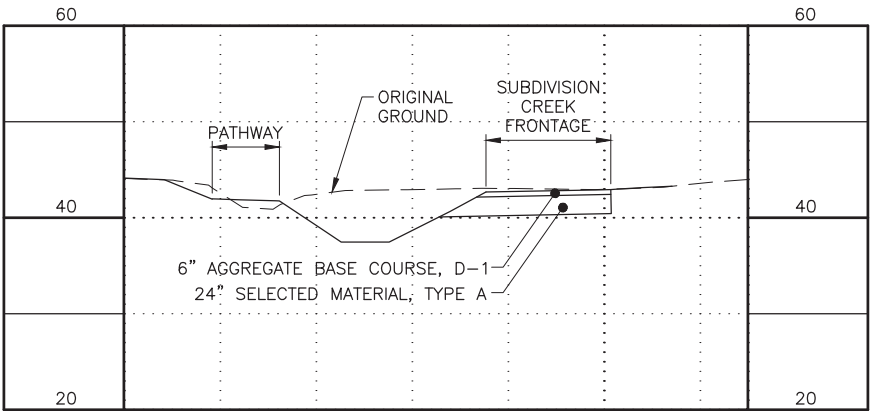
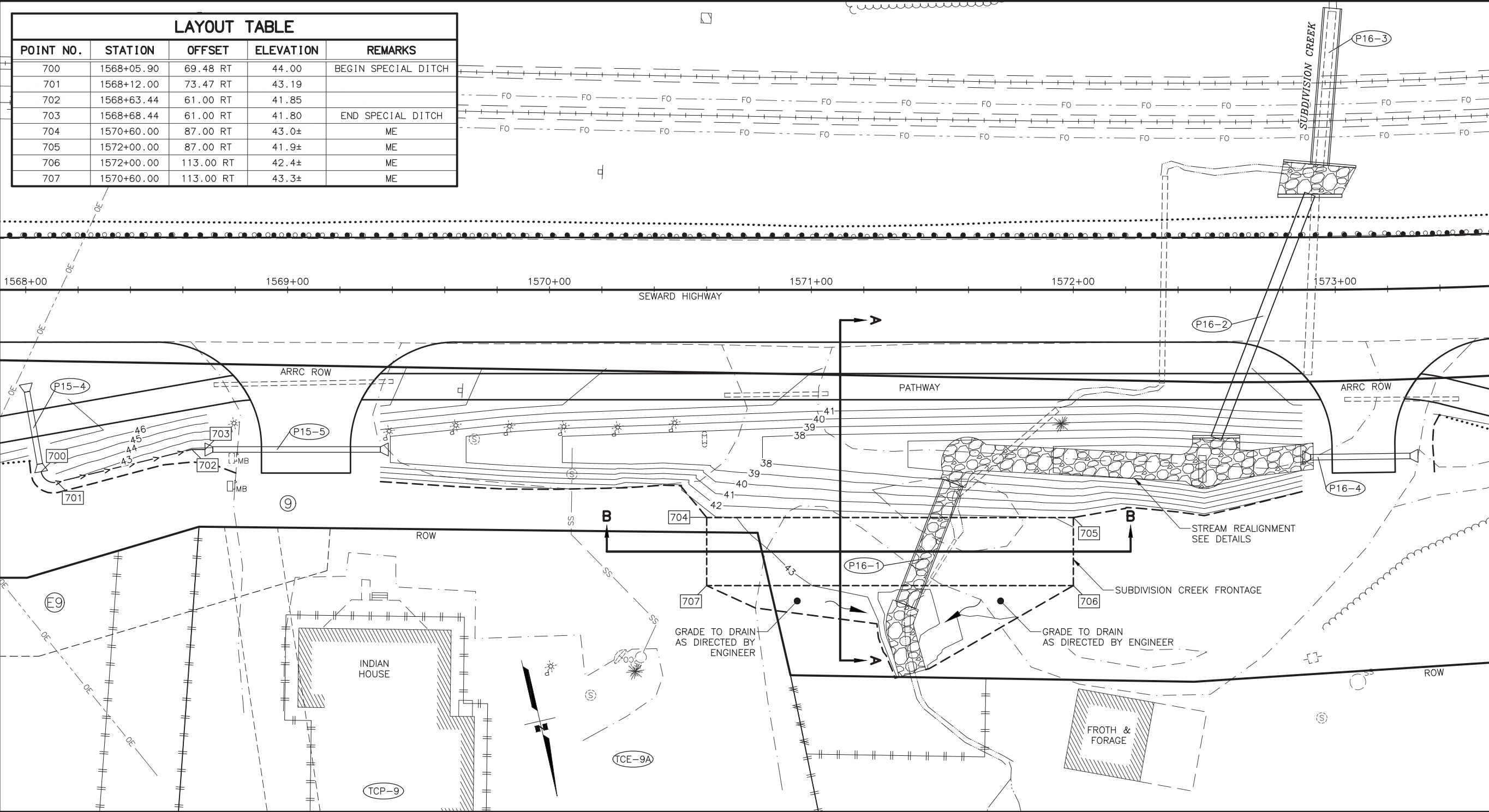
GRADING PLAN

TURNAGAIN ARM PIT

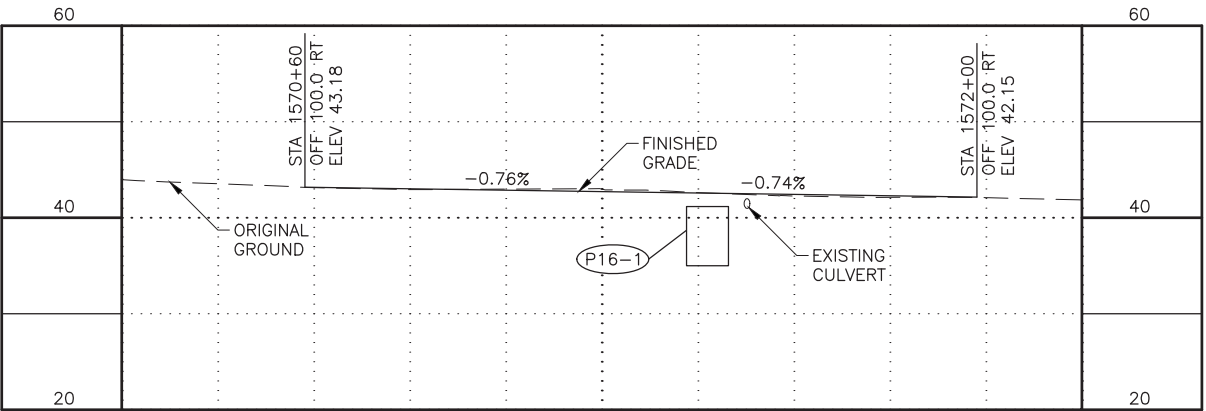
PARKING LOT

FILE | Z:\PROJECT\2129.00 DOT_C SEWARD HWY MP 99 105 CIVIL ACAD\SEWARD HWY 2129.01-G01.DWG | DATE/TIME 2/3/2019 2:13 PM | LAYOUT | G6 | DESIGNED | CHECKED | DRAFTED

LAYOUT TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	REMARKS
700	1568+05.90	69.48 RT	44.00	BEGIN SPECIAL DITCH
701	1568+12.00	73.47 RT	43.19	
702	1568+63.44	61.00 RT	41.85	
703	1568+68.44	61.00 RT	41.80	END SPECIAL DITCH
704	1570+60.00	87.00 RT	43.0±	ME
705	1572+00.00	87.00 RT	41.9±	ME
706	1572+00.00	113.00 RT	42.4±	ME
707	1570+60.00	113.00 RT	43.3±	ME



SECTION A-A



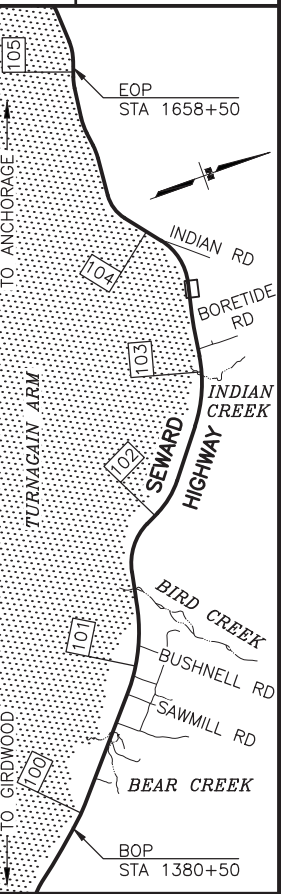
SECTION B-B

SHEET NO.	TOTAL SHEETS
G6	G6
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
0A31056/CFHWY00011
0001497/Z570880000

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION

PS&E REVIEW
FEBRUARY 2019



STATE OF ALASKA
49th
PROJECT ENGINEER
0000
REGISTERED PROFESSIONAL ENGINEER
R&M CONSULTANTS, INC.
9101 VANGUARD DRIVE
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SEWARD HWY: MP 100-105
IMPROVEMENTS &
HSIP: CR TRAFFIC SAFETY
CORRIDOR LEFT TURN LANES
GRADING PLAN
SUBDIVISION CREEK FRONTAGE