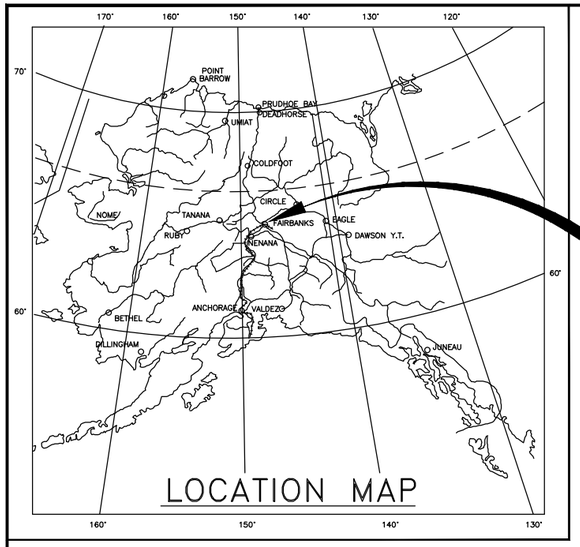


PROJECT LOCATION

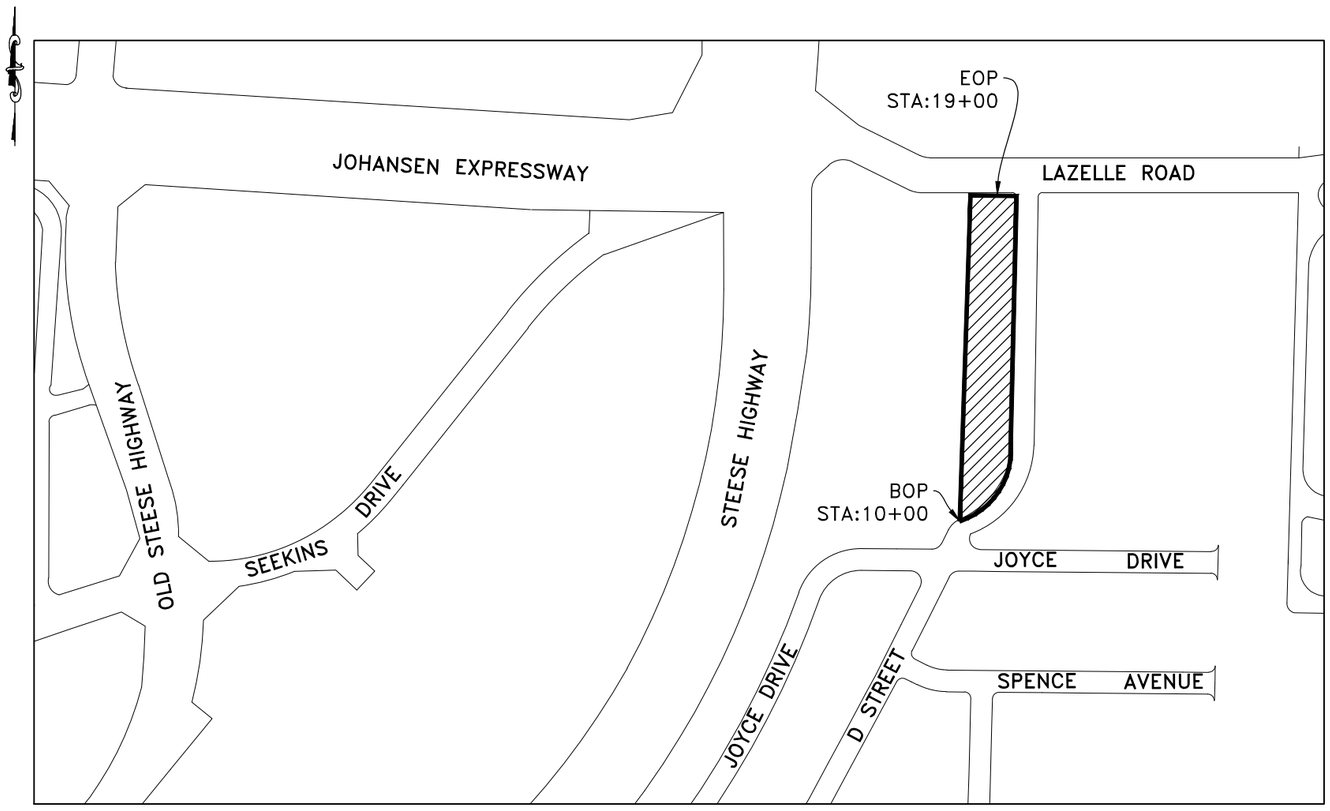
CITY OF FAIRBANKS
ENGINEERING DEPARTMENT

PROPOSED ROADWAY PROJECT

D STREET EXTENSION

ITB–19–16

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	GENERAL NOTES, ABBREVIATIONS, AND ESTIMATE OF QUANTITIES
F01 – F02	PLAN & PROFILE



AREA OF IMPROVEMENTS

STATE OF ALASKA 49TH
ROBERT H. PRISTASH
CE 9878
REGISTERED PROFESSIONAL ENGINEER
08/29/19

DATE	REVISION	BY

SCALE: NONE

DESIGNED: W.K.R.
DRAWN: W.K.R.
CHECKED:
DATE:

APPROVED

CITY ENGINEER

DATE

D STREET EXTENSION

TITLE SHEET

CITY OF FAIRBANKS, ALASKA
Engineering Department

Project ITB–19–16

A1

OF 5 SHEETS

ESTIMATE OF QUANTITIES – BASE BID

ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	2690
203(5)	BORROW, SELECTED MATERIAL TYPE A	TON	7945
203(19)	BORROW, EXISTING ROAD MATERIAL	TON	2730
301(1)	AGGREGATE BASE COURSE, GRADING D–1	TON	830
618(4)	SEEDING	SQUARE YARD	1310
620(1)	TOPSOIL	SQUARE YARD	1310
630(1)	GEOTEXTILE, SEPARATION	SQUARE YARD	3625
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641(1)	EROSION, SEDIMENT AND POLLUTION ADMINISTRATION	LUMP SUM	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED

ESTIMATE OF QUANTITIES – ALTERNATE 1

ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
401(1B)	HMA, TYPE II; CLASS B	TON	363
401(4)	ASPHALT BINDER, GRADE PG 52–40	TON	20

ESTIMATING FACTORS

ITEM NO.	PAY ITEM	FACTOR
203(5)	BORROW, SELECTED MATERIAL TYPE A	2 TON / CY
203(19)	BORROW, EXISTING ROAD MATERIAL	2 TON / CY
301(1)	AGGREGATE BASE COURSE, GRADING D–1	145 LB / CF
401(1B)	HMA, TYPE II; CLASS B	150 LB / CF
401(4)	ASPHALT BINDER, GRADE PG 52–40	5.5% WEIGHT OF 401(1B)

GENERAL NOTES

1. GRADES, ALIGNMENTS, APPROACH LOCATIONS, LENGTHS AND LOCATIONS OF CONDUIT RUNS SHOWN ON THESE PLANS ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER. ALL DISTANCES SHOWN IN THE PLANS ARE HORIZONTAL MEASUREMENTS.
2. SAWCUT ALL MATCH LINES WHERE NEW CONSTRUCTION OF PAVEMENT, SIDEWALK OR CURBING ABUTS EXISTING. SAWCUTS SUBSIDIARY TO RESPECTIVE PAY ITEMS.
3. CLEAR AND GRUB ROADWAY AS DIRECTED BY THE ENGINEER. TO BE PAID UNDER 201(3B) CLEARING AND GRUBBING.
4. APPLY WATER FOR DUST CONTROL DAILY OR AS DIRECTED BY THE ENGINEER. PAY SUBSIDIARY TO PAY ITEM 643(2) TRAFFIC MAINTENANCE.
5. PAYMENT FOR PAY ITEM 202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE A LUMP SUM PAYMENT FOR REMOVING ALL ITEMS IN CONFLICT WITH THE IMPROVEMENTS. THESE ITEMS ARE NOT LISTED. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE NATURE OF THIS WORK BEFORE BIDDING.
6. CONTRACTOR SHALL PROVIDE THE ENGINEER 4 HOURS NOTICE, PERSONNEL AND EQUIPMENT TO VERIFY AT A MINIMUM OF 50 FOOT STATIONS, ELEVATIONS OF UNCLASSIFIED EXCAVATION AND TOP OF BORROW AT CENTERLINE AND RT/LT OFFSETS. PAYMENT SHALL BE SUBSIDIARY TO PAY ITEM 642(1) CONSTRUCTION SURVEYING.
7. ALL PAYMENTS REQUESTED BY THE CONTRACTOR SHALL BE DEVELOPED BY THE CONTRACTOR IN A FORM ACCEPTABLE TO THE ENGINEER. PAY ESTIMATES SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
8. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN STAGING AREA.
9. CONTRACTOR SHALL GET ENGINEER'S APPROVAL PRIOR TO ANY WORK OUTSIDE THE STREET RIGHT OF WAY.
10. NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE PROJECT CORRIDOR. THE CONTRACTOR SHALL CONTACT UTILITY OWNERS AND GET LOCATES PRIOR TO EXCAVATION.
11. HORIZONTAL AND VERTICAL CONTROL WILL BE PROVIDED TO CONTRACTOR WHEN CONTRACT IS AWARDED.
12. EXISTING D STREET WITHIN PROJECT LIMITS MAY BE CLOSED TO ALL TRAFFIC FOR PROJECT DURATION. CONTRACTOR TO PROVIDE DETOUR AND TRAFFIC CONTROL PLAN TO BE APPROVED BY ENGINEER.

ABBREVIATIONS

ABD – ABANDONED
AC – ASPHALT CONCRETE
AP – ANGLE POINT
ABC – AGGREGATE

BASE COURSE
BK SDWK – BACK OF SIDEWALK
BLDG – BUILDING
BL – BASELINE
BOP – BEGINNING OF PROJECT
BV – BUTTERFLY VALVE

C – CONDENSATE CB – CATCH BASIN
CC – CURB CUT
CI – CAST IRON
CL – CENTER LINE
CONC – CONCRETE
CS – CONDENSATE SERVICE
CSP – CORRUGATED STEEL PIPE

D – DUCT BANK
DIP – DUCTILE IRON PIPE
DL – DITCH LINE
DG – DOWN GUY
DW – DRIVEWAY

E – EAST
e – SUPERELEVATION
EA – EACH
ELEV – ELEVATION
EOP – END OF PROJECT
EP – EDGE OF PAVEMENT
ES – END SECTION
EXIST – EXISTING

FG – FINISH GRADE
FH – FIRE HYDRANT
FL – FLOW LINE
FLG – FLANGE
FOC – FACE OF CURB
FRM – FRAME
FW – FLUSHWELL

G – GUTTER
GP – GRADE POINT
GRP– GUARD POST
GR – GRADE
GRT – GRATE
GV – GATE VALVE

HB – HORIZONTAL BEND
HDPE – HIGH DENSITY POLYETHYLENE
HPS – HIGH PRESSURE SODIUM LUMINAIRE
HWR – HOT WATER RETURN
HWS – HOT WATER SUPPLY
HWSS – HOT WATER SERVICE SUPPLY

ID – INSIDE DIAMETER
IE – INVERT ELEVATION
INS – INSULATION

L – LENGTH OF CURVE
LTDL – LEFT DITCH LINE
LT – LEFT
LF – LINEAL FEET

MAX – MAXIMUM
MB – MAILBOX
MH – MANHOLE
MIN – MINIMUM
MON – MONUMENT
MV – MERCURY VAPOR LUMINAIRE

NC – NORMALLY CLOSED
NE – NORTHEAST
NW – NORTHWEST
N – NORTH
N.I.C. – NOT IN CONTRACT

OD – OUTSIDE DIAMETER
OG – ORIGINAL GROUND

PC – POINT OF CURVATURE
PCC – POINT OF COMPOUND CURVE
PI – POINT OF INTERSECTION
PIV – POST INDICATOR VALVE
PL – PROPERTY LINE
POT – POINT ON TANGENT
PRC – PROPERTY CORNER
PP – POWER POLE
PT – POINT OF TANGENCY
PLVC – POLYVINYL CHLORIDE
PUE – PERMANENT UTILITY EASEMENT
PVC – POINT OF VERTICAL CURVATURE
PVI – POINT OF VERTICAL INTERSECTION
PVMT – PAVEMENT
PVT – POINT OF VERTICAL TANGENCY

R – RADIUS
RTDL – RIGHT DITCH LINE
RMC – RIGID METAL CONDUIT
ROW – RIGHT OF WAY
R&R – REMOVE AND REPLACE
RT – RIGHT
RPM – REINFORCED PLASTIC MORTAR

SMTA – SELECTED MATERIAL TYPE A
s – SLOPE
S – SOUTH
SE – SOUTHEAST
SM – SEWER MAIN
SMH – SEWER MANHOLE
SMHS– SEWER MANHOLES
SCH – SCHEDULE
SD – STORM DRAIN
SI – STREET INTERSECTION
SL – STREET LIGHT
SP – STEEL PIPE
SS – SEWER SERVICE
ST – STEAM
STA – STATION
STS – STEAM SERVICE
SW – SOUTHWEST

T – TELEPHONE
TC –TOP OF CURB
TCP– TEMP. CONSTRUCTION PERMIT
TOC – TOP OF CONDUIT
TOP – TOP OF PIPE
TYP– TYPICAL

UG – UNDERGROUND

VB – VALVE BOX

W – WEST
WM – WATER MAIN
WS – WATER SERVICE
WSP – WOOD STAVE PIPE

STATE OF ALASKA 49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
08/29/19

DATE	REVISION	BY

SCALE: NONE

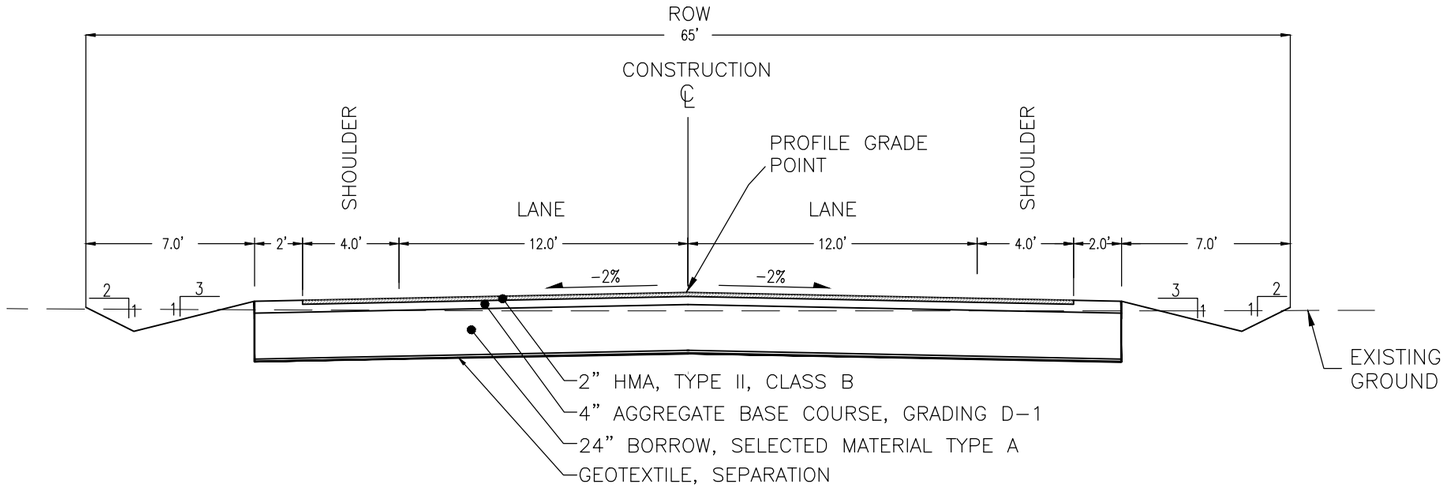
DESIGNED: W.K.R.
DRAWN: W.K.R.
CHECKED:
DATE:

APPROVED
CITY ENGINEER
DATE

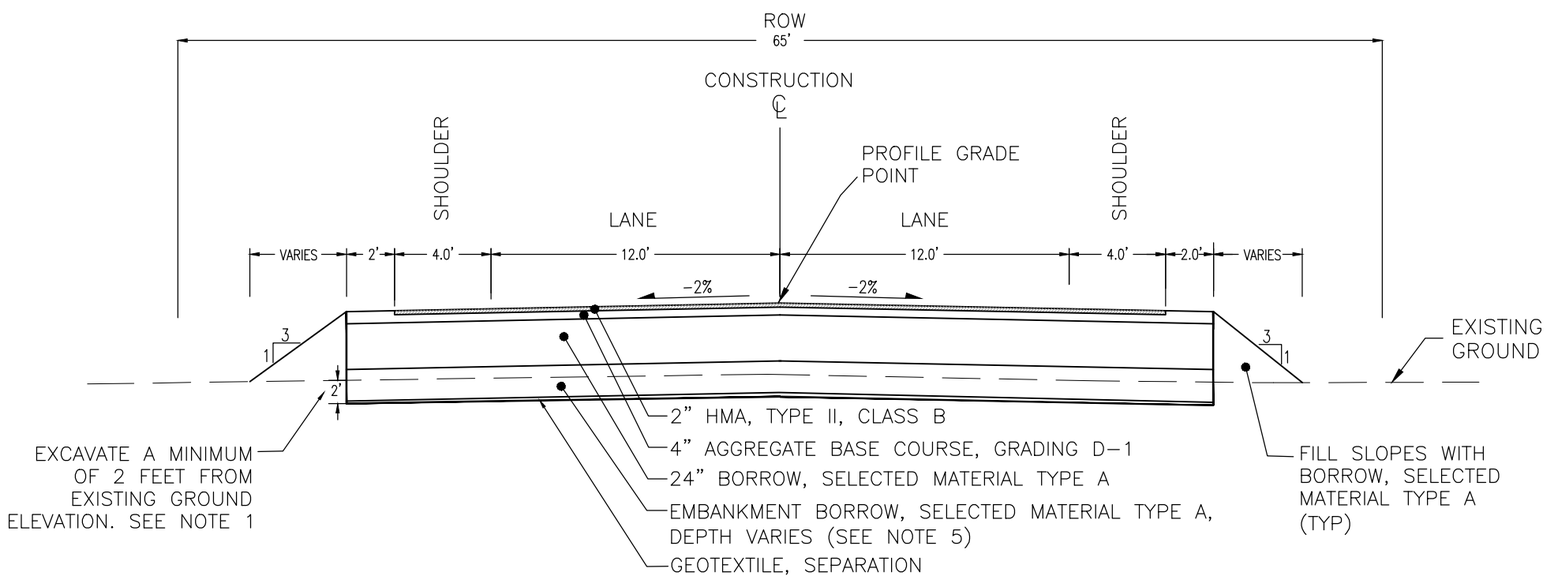
D STREET EXTENSION
GENERAL NOTES, ABBREVIATIONS, AND ESTIMATE OF QUANTITIES

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB–19–16

A2
OF 5 SHEETS



TYPICAL SECTION 1
STA: BOP TO 14+40
STA: 19+00 TO EOP



TYPICAL SECTION 2
STA: 14+40 TO 19+00

TYPICAL SECTION NOTES

1. CONTRACTOR TO EXCAVATE A MINIMUM OF 2 FEET OF IN-SITU MATERIAL FROM EXISTING GROUND ELEVATION THROUGHOUT PROJECT LIMITS. CONTRACTOR TO USE BORROW, SELECTED MATERIAL TYPE A FOR EMBANKMENT STRUCTURE.
2. CONSTRUCT AND GRADE DITCHES. PAYMENT FOR THIS WORK IS SUBSIDIARY TO 203(3) UNCLASSIFIED EXCAVATION.
3. SEED AND TOPSOIL ALL SLOPES AND DISTURBED AREAS. TO BE PAID UNDER 618(4) SEEDING AND 620(1) TOPSOIL, RESPECTIVELY.
4. ALL UNCLASSIFIED EXCAVATION MATERIAL SHALL BE DELIVERED TO THE CITY OF FAIRBANKS SNOW DUMP LOCATED ON LAZELLE ROAD. PLACE AND LEVEL EXCAVATED MATERIAL TO THE WEST OF THE STAKES OR AS DIRECTED BY THE ENGINEER. THIS WORK IS SUBSIDIARY TO 203(3) UNCLASSIFIED EXCAVATION.
5. THE EXISTING D STREET ROAD MATERIAL SHALL BE UTILIZED AS EMBANKMENT FILL FOR THE PROPOSED ROAD AS APPROVED BY THE ENGINEER. EXISTING ROAD BED MATERIAL SHALL NOT BE USED AS SUBBASE IN PAVEMENT STRUCTURE. EXISTING ROAD BED MATERIAL TO BE PAID UNDER 203(19) BORROW, EXISTING ROAD MATERIAL.

STATE OF ALASKA
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			SCALE: NONE	DESIGNED: W.K.R.	APPROVED	D STREET EXTENSION	CITY OF FAIRBANKS, ALASKA Engineering Department	B1
				DRAWN: W.K.R.				
				CHECKED:	CITY ENGINEER	TYPICAL SECTIONS	Project ITB-19-16	OF 5 SHEETS
DATE	REVISION	BY		DATE:	DATE			

1"=20' HORIZ.,
1"=2' VERT.
(FULL SIZE)

1"=40' HORIZ.,
1"=4' VERT.
(HALF SIZE)

JOYCE DRIVE

STA:10+23.99
OFF:44.69'L
GP:447.85

STA:10+22.70
OFF:10.65'L
SI MON

"D" STREET

SAWCUT MATCH

STA:10+64.09
OFF:28.30'L
GP:448.36

STA:10+46.06
OFF:0.00'
GP:448.11

REMOVE CURVED PORTION OF CURB

JOYCE DRIVE

STA:10+72.20
OFF:52.95'R
GP:447.85

STA:11+06.48
OFF:16.00'L
GP:447.55

10' PUE

BE AWARE OF EXISTING UNDERGROUND UTILITIES (ELECTRIC AND TELEPHONE)

STA:12+64.77
OFF:35'L
LOT COR

S 26°43'31" W 218.71'

STA:10+96.41
OFF:16.00'R
PT GP:447.59

STA:10+96.41
OFF:41.00'R
RP 25' RAD

35.00'
65' ACCESS ESMT
30.00'

PC L 24+84.77

PI: 13+84.77

L=63.87'
R=137.00'
Δ=26°42'47"

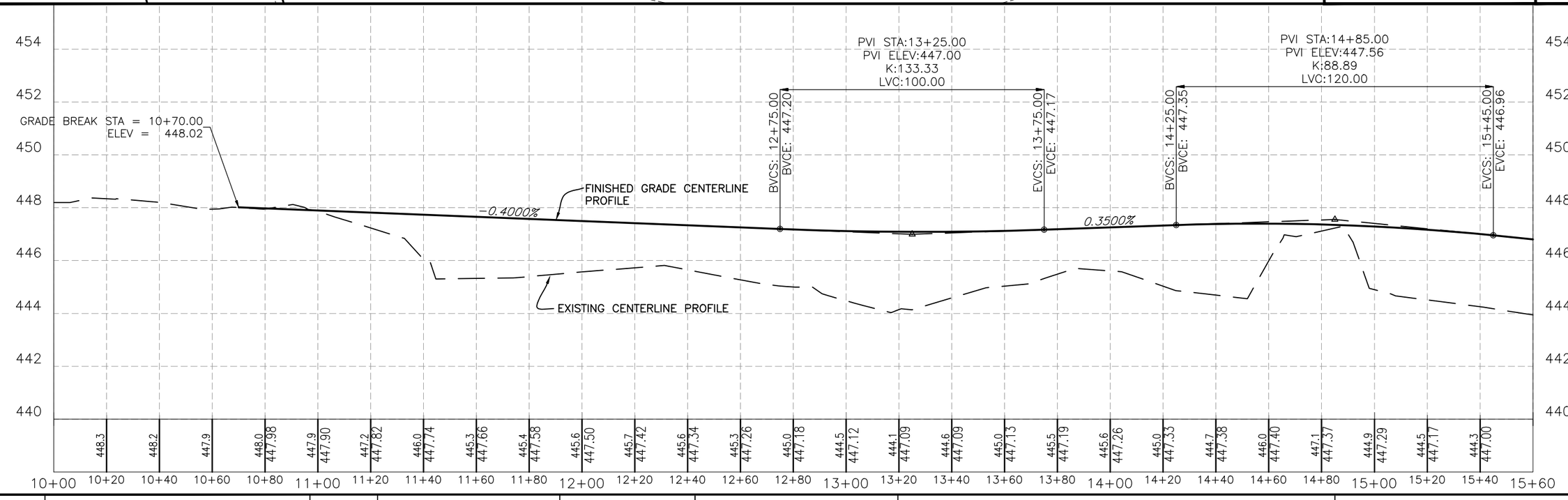
EXISTING GRAVEL ROAD

N 0°00'44" E 595.74'

MATCH LINE 15+60

EP

-2%



STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
08/29/19

GRADING

DATE	REVISION	BY

DESIGNED: W.K.R.
DRAWN: W.K.R.
CHECKED:
DATE:

APPROVED

CITY ENGINEER

DATE

D STREET EXTENSION
PLAN & PROFILE

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-19-16

F01
OF 5 SHEETS

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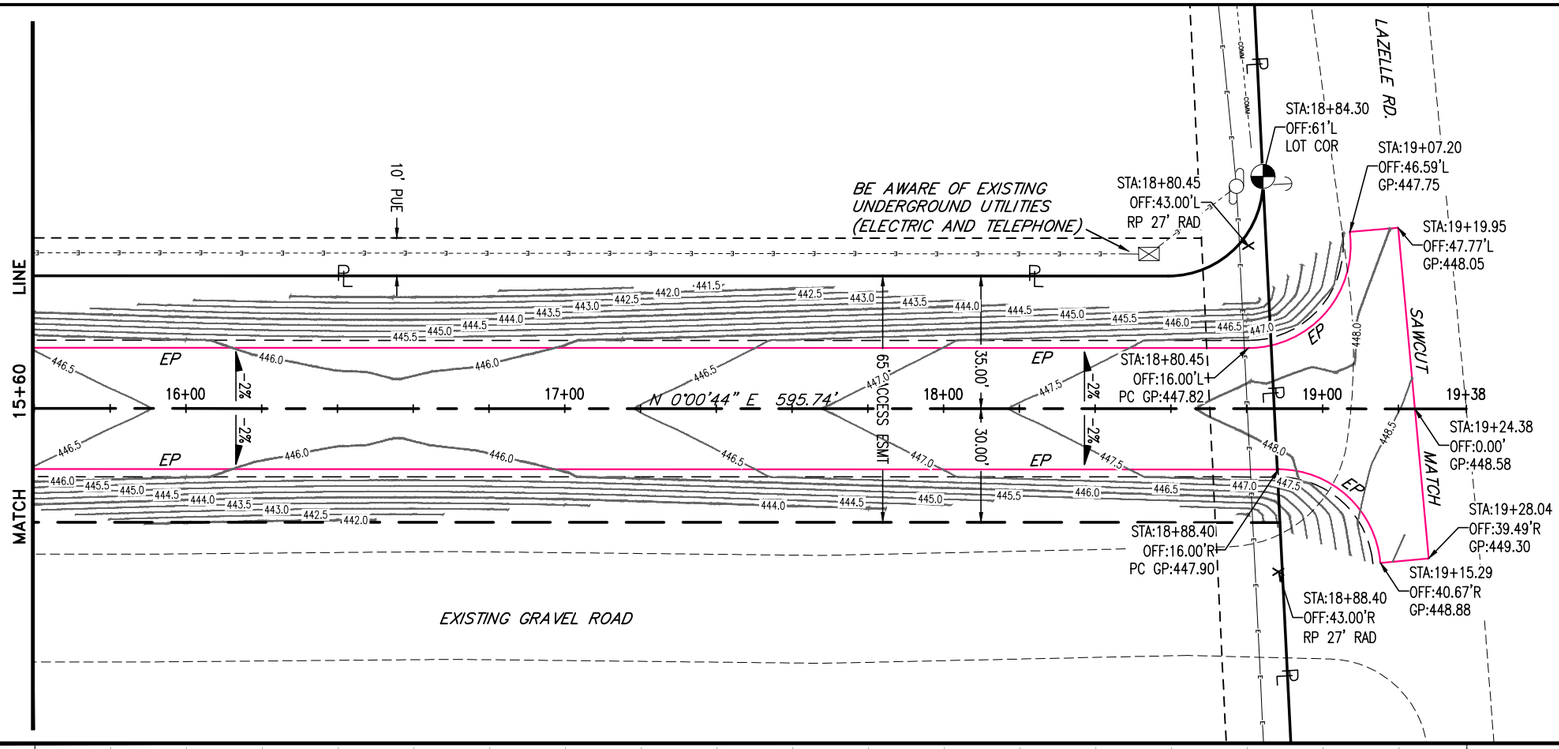
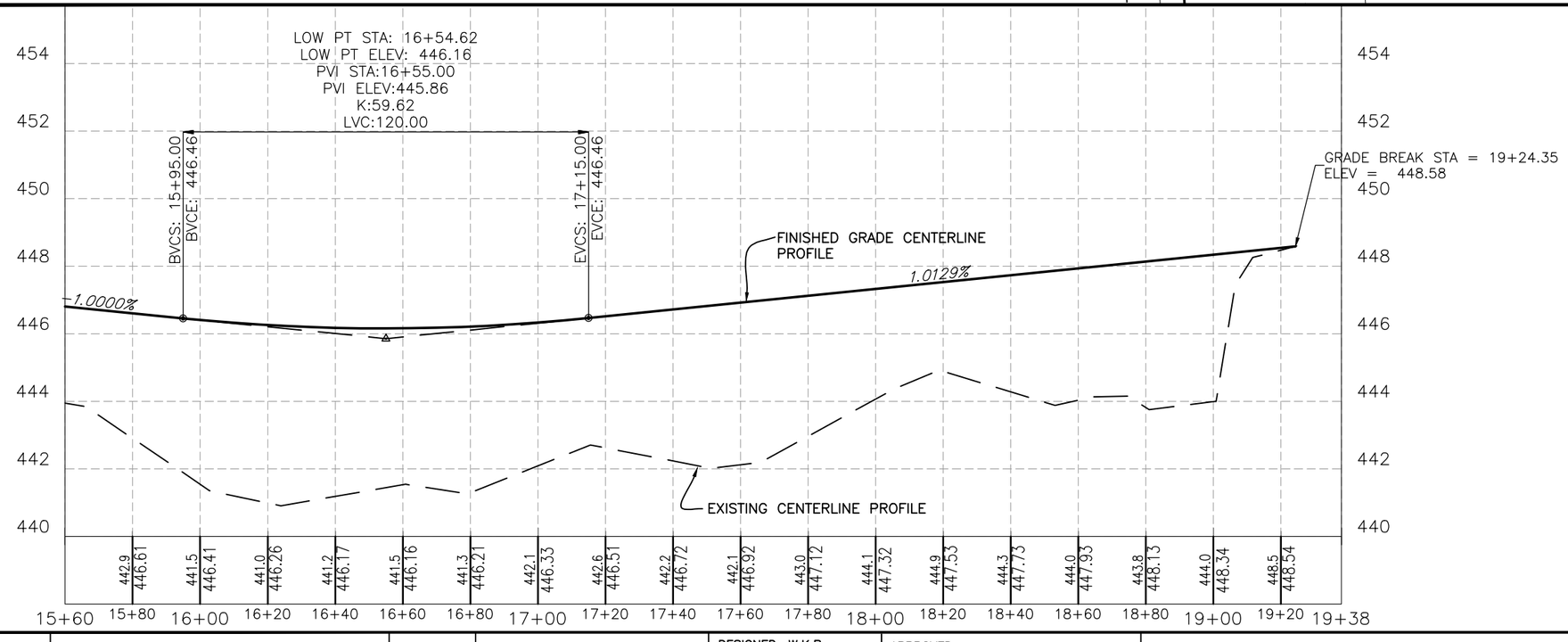
1"=20' HORIZ.,
1"=2' VERT.
(FULL SIZE)

1"=40' HORIZ.,
1"=4' VERT.
(HALF SIZE)





GRADING

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
08/29/19

DATE	REVISION	BY

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DATE

D STREET EXTENSION
PLAN & PROFILE

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-19-16

F02
OF 5 SHEETS

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