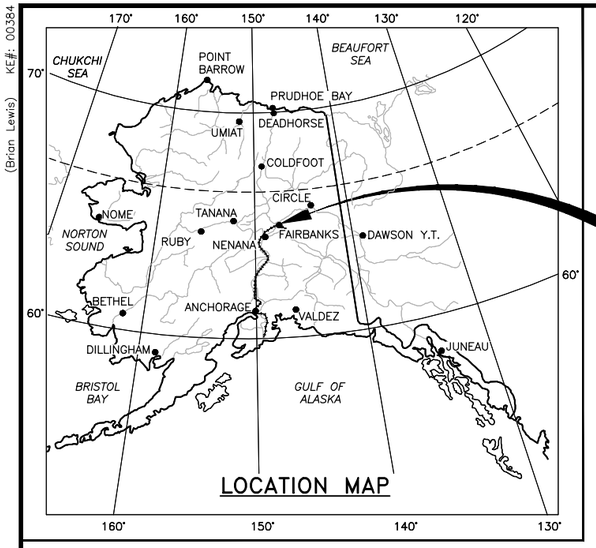
KE#: 00384
(Brian Lewis)



LOCATION MAP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

0655012/Z637840000

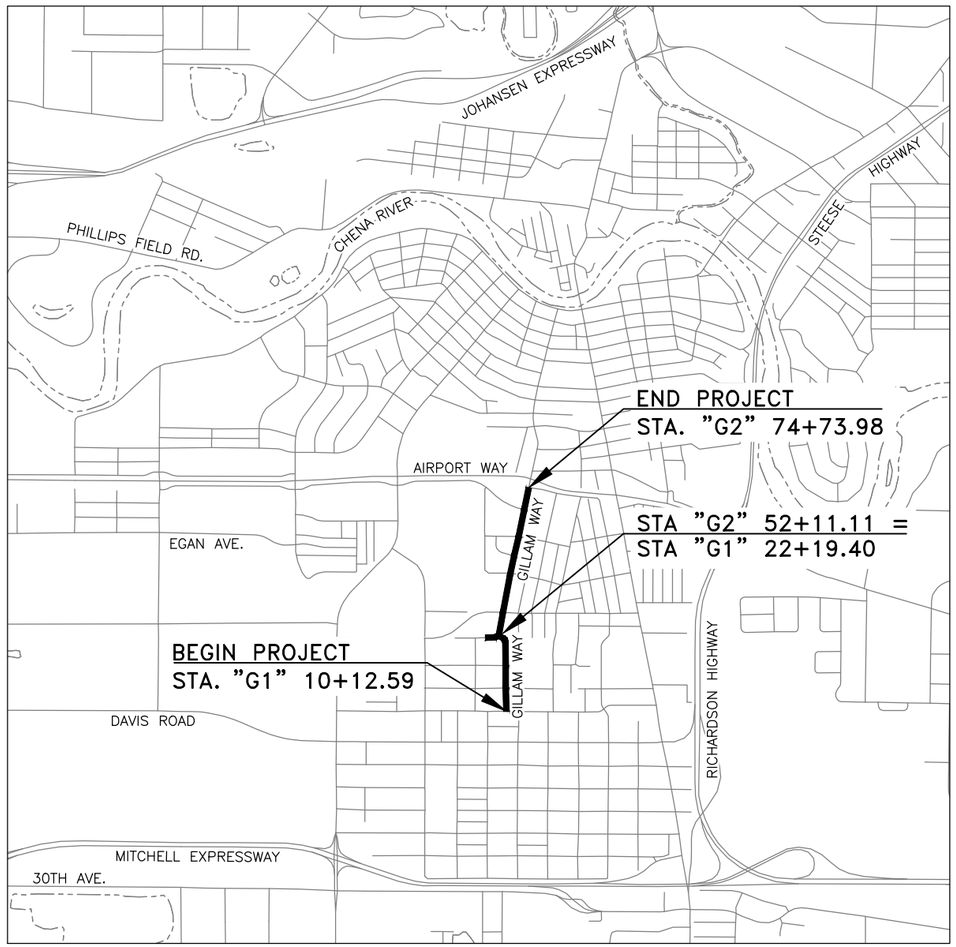
GILLAM WAY RECONSTRUCTION

GRADING, PAVING, SIGNING & STRIPING, STORM DRAIN, WATER, SEWER, LANDSCAPING

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	A1	78
CDS ROUTE: 176421	MILEPOINT: 0.5	TO	0.99	
CDS ROUTE: 176421S2	MILEPOINT: 0	TO	0.20	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LEGEND
A3	GENERAL NOTES AND ABBREVIATIONS
A4–A5	SHEET LAYOUT AND CENTERLINE CONTROL
A6–A#	SURVEY CONTROL (TO BE PROVIDED BY OTHERS)
B1–B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1–D3	SUMMARY TABLES
E1–E5	SIDEWALK AND CURBING DETAILS AND SUMMARY
E6–E8	APPROACH DETAILS AND SUMMARY
F1–F10	PLAN & PROFILE
G1–G10	GRADING PLANS
H1–H7	SIGNING & STRIPING
H8–10	SIGN SUMMARY
H11–H14	SIGN AND LOAD CENTER DETAILS
L1–L3	LANDSCAPE PLAN AND DETAILS
Q1–Q5	EROSION SEDIMENT CONTROL PLAN
T1–T2	GENERAL TRAFFIC CONTROL PLAN
U1–U8	STORM DRAIN PLAN AND PROFILE
U9–U11	STORM WATER RETENTION SYSTEM
U12–U15	STORM DRAIN SUMMARY TABLES
UX–UX	WATER/SEWER



VICINITY MAP

NTS

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
C–04.12
D–06.10, D–09.00
I–21.10, I–22.10, I–81.00
M–16.01
S–00.11, S–01.01, S–05.01, S–30.04, S–31.01
T–20.03, T–21.03, T–22.03

THE FOLLOWING CITY OF FAIRBANKS STANDARD DETAILS APPLY TO THIS PROJECT:
SD1, SD2

DESIGN DESIGNATIONS

	14TH AVE TO 17TH AVE	17TH AVE TO 22ND AVE
ADT (2015)	3,900	2,000
ADT (2040)	4,400	2,200
DHV	9%	11%
PERCENT TRUCKS (T)	2%	2.5%
DIRECTIONAL SPLIT (D)(N%/S%)	45/55	45/55
DESIGN SPEED (V)	30 MPH	25 MPH
DESIGN EAL'S (20 YEARS)	200,000	125,000

PROJECT SUMMARY

	14TH AVE TO 17TH AVE	17TH AVE TO 22ND AVE
WIDTH OF PAVEMENT	30'	28'
LENGTH OF GRADING	2,474'	1,199'
LENGTH OF PAVING	2,474'	1,199'
LENGTH OF PROJECT	0.70 MI	

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
UNDER THE SUPERVISION OF:

11/16/2018 REVIEW PS&E
REGIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED BY:

_____ DATE _____
Sarah E. Schacher, P.E.
Preconstruction Engineer, Northern Region
ACCEPTED FOR CONSTRUCTION

_____ DATE _____
Ryan F. Anderson, P.E.
Regional Director, Northern Region

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	A2	A5

	RECOVERED	SET
BLM MONUMENT	✠	
GLO MONUMENT	✠	
USC&GS MONUMENT	▲	
PRIMARY MONUMENT	✠	✠
CENTERLINE MONUMENT IN CASING	⊕	⊕
PRIMARY R.O.W. MONUMENT	⊕	⊕
BEARING OBJECT	✳	
MISCELLANEOUS MONUMENT	⊗	
LINE OF SIGHT MONUMENT		⊕
CONCRETE R.O.W. MONUMENT	■	
BENCHMARK		BM
REBAR AND CAP	⊙	⊙
REBAR	⊕	●
IRON PIPE	◉	
PK NAIL		▽
SPIKE		×
HUB AND TACK		⊡

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)	—→—→—SS—	→SS
FUEL LINE	—→—→—O—	→O
GAS LINE	—→—→—G—	→G
WATER LINE	—→—→—W—	→W
METER, VALVE, FIRE HYDRANT	—→—→W	→W
EXISTING STORM DRAIN (FLOW DIRECTION →)	—→—→—SD—	
PROPOSED STORM DRAIN		S-10, S-11, P-11, P-10, MH
FIBER OPTIC LINE	———FO———	
DIRECT BURIAL TELEPHONE CABLE	———T———	——T——
DIRECT BURIAL ELECTRIC CABLE	———E———	——E——
ELECTRIC LINE (OVERHEAD)	----------	——
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT	———T———	——T——
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN		
FIELD INLET		FI
MANHOLE	MH	SEWER MH
		MANHOLE WITH LID MH
		MANHOLE WITH INLET MH
		COMM MH
SANITARY SEWER CLEAN OUT/FLUSH WELL		
TEMPORARY CONSTRUCTION PERMIT		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE	--X---X---X---X--	—X—X—X—X—
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX	MB	MB
RAILROAD TRACKS		
RAILROAD DEVICES	CROSS-BUCK, FLASHING LIGHT	CANTILEVER, SWITCH
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS	H	H = HOUSE, G = GARAGE, M = MERCHANT/STORE, B = BARN, S = SHED, P = PRIVY, SS = SERVICE STATION, W = WAREHOUSE
POST OR BOLLARD		
WELL OR MONITORING WELL	W, MW	
SEPTIC PIPE	S	
FUEL TANK FILL PIPE/VENT	P	
SATELLITE DISH		SAT. DISH
TEST HOLE	TH	
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		5
JUNCTION BOX, TYPE II		6
JUNCTION BOX, TYPE III		3
SIGNAL FACE, VEHICULAR	42	42
SIGNAL FACE, BACKPLATE	42	42
SIGNAL FACE, LEFT TURN, BACKPLATE	43	43
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR	33	73
VIDEO DETECTOR	2	2
RADAR DETECTOR	4	4A
OPTICOM DETECTOR	1	1
PEDESTRIAN PUSH BUTTON	1	1
SIGNAL POST W/O MAST ARM		1
SIGNAL POLE W/MAST ARM		4
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		2
RIGID METAL CONDUIT		

5+00 CONSTRUCTION CENTERLINE

10+00 MISCELLANEOUS CENTERLINE

R/W PROJECT RIGHT-OF-WAY LINE

EXISTING RIGHT-OF-WAY LINE

EXISTING PROPERTY LINE

C/A CONTROLLED ACCESS LINE

EXISTING EASEMENT LINE

PROPOSED EASEMENT LINE

TEMPORARY CONSTRUCTION EASEMENT

PROPOSED CUT SLOPE LIMIT

PROPOSED FILL SLOPE LIMIT

SECTION LINE

1/4 SECTION LINE

1/16 SECTION LINE

TOWNSHIP & RANGE LINE — T. 2 N. / T. 1 N. — T. 1 E. — T. 2 E.

MEANDER LINE — M1 M2 M3

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_A2_LGND.DWG PLOTTED: Nov 16, 2018 - 9:19:00 PM (Brian Lewis) KE#: 00384

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE
11/16/2018
REVIEW
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PE ENGINEER

LEGEND

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	A3	A5

LIST OF ABBREVIATIONS/SYMBOLS

AC	ASPHALT CONCRETE
ADF&G	ALASKA DEPARTMENT OF FISH AND GAME
ADT	AVERAGE DAILY TRAFFIC
AH	AHEAD
ARC	ALASKA RAILROAD CORPORATION
ARR	ALASKA RAILROAD
ATB	ASPHALT TREATED BASE COURSE
&	AND
BFS	BEGIN FULL SUPERELEVATION
BMP	BEST MANAGEMENT PRACTICE
BNC	BEGIN NORMAL CROWN
BP/B.O.P.	BEGINNING OF PROJECT
C	CROSS
C&G	CURB AND GUTTER
CF	CUBIC FOOT
CGP	CONSTRUCTION GENERAL PERMIT
℄	CENTERLINE
COM.	COMMERCIAL
CRT	CONTROLLED RELEASE TERMINAL
CSP	CORRUGATED STEEL PIPE
D	DEGREE OF CURVATURE, DISTRIBUTION OF TRAFFIC, DIAMETER
Δ	DELTA ANGLE
DB	DITCH BOTTOM
DEC	DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DHV	DESIGN HOURLY VOLUME
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DIR.	DIRECTION
DOT&PF	DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
E	EAST, EASTING
e	SUPERELEVATION
EA	EACH
ED	ENERGY DISSIPATER
EFS	END FULL SUPERELEVATION
E.G.	FOR EXAMPLE
ELEV	ELEVATION
ENC	END NORMAL CROWN
EP/E.O.P.	END OF PROJECT
EOTW	EDGE OF TRAVELED WAY
ESAL	EQUIVALENT SINGLE AXLE LOAD
ESCP	EROSION AND SEDIMENT CONTROL PLAN
ETC.	ETCETERA
EW OR E.W.	EACH WAY
EX.	EXISTING
°F	DEGREES FAHRENHEIT
FASBC	FOAMED ASPHALT STABILIZED BASE COURSE
FT OR '	FOOT
GA.	GAUGE
GALV.	GALVANIZED
H	HORIZONTAL
HBO	HEADBOLT OUTLET
HMA	HOT MIX ASPHALT
HMCP	HAZARDOUS MATERIAL CONTROL PLAN
IN OR "	INCH
L	LENGTH OF CURVE, LENGTH
LBS	POUNDS
LF	LINEAR FEET
LO.	LOCATION
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
M.W.	MATCH EXISTING
MIN	MINIMUM
MMA	METHYL METHACRYLATE
MP	MILE POST
MPH	MILES PER HOUR
MTG. HT.	MOUNTING HEIGHT
N	NORTH, NORTHING
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NPS	NOMINAL PIPE SIZE
NTS OR N.T.S	NOT TO SCALE
NW	NORTHWEST
OC OR O.C.	ON CENTER
PC	POINT OF CURVATURE
PERM.	PERMANENT
PL	PASSING LANE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PST	PERFORATED STEEL TUBE
PT OR P.T.	POINT OF TANGENCY
R	RADIUS OF CURVE
RECP	ROLLED EROSION CONTROL PRODUCT
REQ'D	REQUIRED
RES.	RESIDENTIAL
RMC	RIGID METAL CONDUIT
ROW OR R/W	RIGHT-OF-WAY
RT	RIGHT
S	SOUTH
SE	SOUTHEAST
SF	SQUARE FOOT
SH.	SHOULDER
SPP	STRUCTURAL PLATE PIPE
SPPA	STRUCTURAL PLATE PIPE-ARCH
SQ.FT.	SQUARE FEET
STA.	STATION
STD. DWG.	STANDARD DRAWING
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SY	SQUARE YARD
T	TANGENT DISTANCE, HEAVY VEHICLE PERCENTAGE
TCP	TRAFFIC CONTROL PLAN
TEMP.	TEMPORARY
TOC	TOP OF CASTING
TS	TUBE STEEL
TYP.	TYPICAL
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
USACE	UNITED STATES ARMY CORP OF ENGINEERS
V	DESIGN SPEED/VERTICAL
VMS	VISUAL MESSAGE SIGN
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WEST, WATER
W/	WITH
WSP	WOOD STAVE PIPE
WWM	WELDED WIRE MESH

GENERAL NOTES:

1. PRINT OR REPRODUCE PLANS IN COLOR TO MAINTAIN CLARITY OF WORK SHOWN
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN STAGING AREA.
3. PROTECT ALL EXISTING IMPROVEMENTS FROM DAMAGE UNLESS OTHERWISE NOTED.
4. SAWCUT ALL MATCH LINES WHERE NEW CONSTRUCTION ABUTS EXISTING ASPHALT PAVEMENT. APPLY STE-1 ASPHALT FOR TACK COAT ON THE VERTICAL FACE OF ALL SAW CUT ASPHALT.
5. SAWCUT CONCRETE (SIDEWALK, CURB AND GUTTER, DRIVEWAY, ETC.) AT THE NEAREST JOINT AT OR BEYOND MATCH LIMITS OR AS DIRECTED BY THE ENGINEER.
6. DEWATERING, IF REQUIRED, WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED SUBSIDIARY TO THE RESPECTIVE PAY ITEM FOR WHICH THE DEWATERING IS NECESSARY.
7. TOPSOIL AND SEED ALL AREAS DISTURBED AND NOT OTHERWISE IMPROVED.

GENERAL UTILITY NOTES:

1. BURIED AND OVERHEAD UTILITIES EXIST THROUGHOUT THE PROJECT CORRIDOR. LOCATIONS (HORIZONTALLY AND VERTICALLY) DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS AND UTILITY COMPANY LOCATES.
2. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. SEE SECTION 651 OF THE SPECIAL PROVISIONS FOR UTILITY COMPANY CONTACT INFORMATION AND ADDITIONAL REQUIREMENTS.
3. WORK IN CLOSE PROXIMITY TO UNDERGROUND AND OVERHEAD ELECTRICAL SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY.
4. HAND DIG WITHIN TWO FEET OF BURIED ELECTRICAL AND GAS.
5. SUPPORT AND PROTECT UNDERGROUND UTILITIES, CONDUITS, AND STRUCTURES NOT SCHEDULED FOR DEMOLITION OR ABANDONMENT.
6. PROTECT, OR REMOVE AND REPLACE IN SAME LOCATION, EXISTING MARKER POSTS FOR UTILITIES DISTURBED DURING CONSTRUCTION.
7. SEE U SHEETS FOR ADDITIONAL NOTES.

GENERAL DEMOLITION NOTES:

1. SEE SUMMARY TABLES FOR EXISTING PAVEMENT, SIDEWALK, CURB AND GUTTER, STORM DRAIN PIPE AND STRUCTURES, AND OTHER STRUCTURES AND OBSTRUCTIONS SCHEDULED FOR DEMOLITION.
2. TEMPORARILY OR PERMANENTLY RELOCATE UTILITIES PRIOR TO DEMOLITION. SEE SPECIFICATIONS FOR ALLOWABLE OUTAGES AND OTHER REQUIREMENTS.
3. REMOVE UNDERGROUND UTILITIES AND ALL ASSOCIATED APPURTENANCES NOT BEING INCORPORATED INTO NEW SYSTEMS UNLESS OTHERWISE INDICATED ON PLANS.
4. DELIVER REMOVED ASPHALT PAVEMENT TO THE CITY OF FAIRBANKS PUBLIC WORKS LOCATED AT 2121 PEGER ROAD. CONTACT ROBERT PRISTASH, CITY OF FAIRBANKS ENGINEERING DEPARTMENT, TO ARRANGE FOR DELIVERY.

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

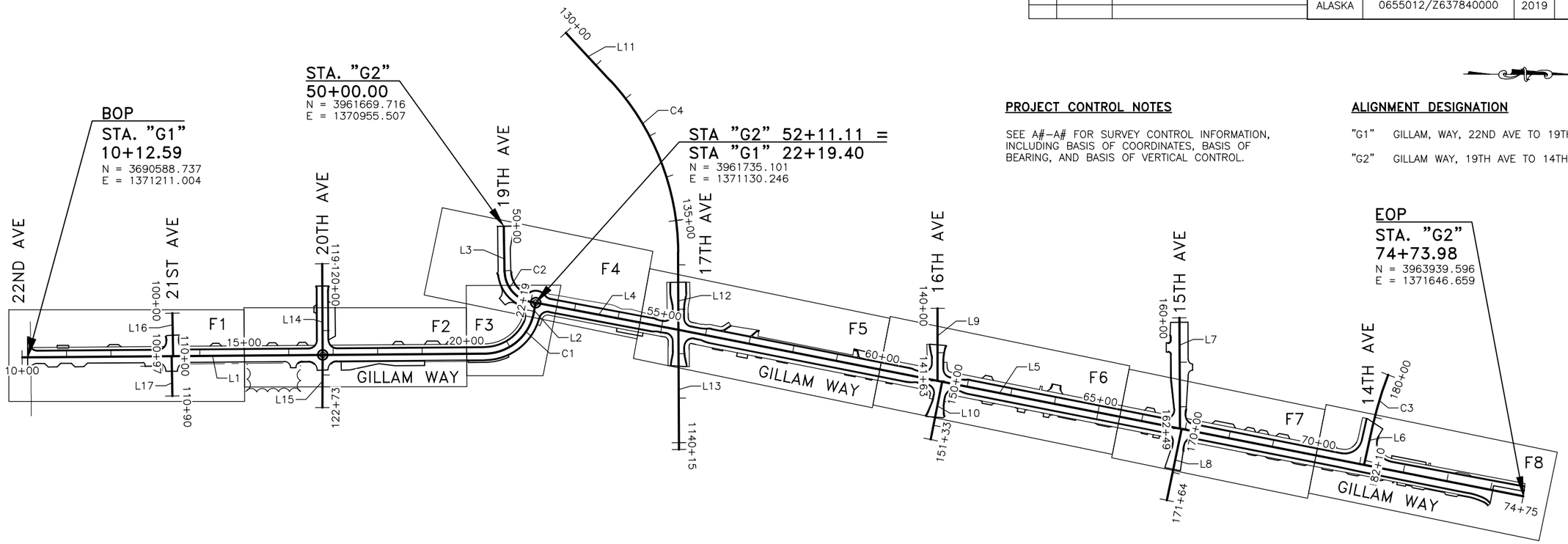
STATE OF ALASKA
11/16/2018
REVIEW
PS&E
ALASKA PIONEER

GENERAL NOTES AND ABBREVIATIONS

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. (Brian Lewis) KE#: 00384
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_A3_ABRV&NOTES.DWG PLOTTED: Nov 16, 2018 - 9:19:05 PM AUTH. NO. 1102

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	A4	A5



PROJECT CONTROL NOTES

SEE A#–A# FOR SURVEY CONTROL INFORMATION, INCLUDING BASIS OF COORDINATES, BASIS OF BEARING, AND BASIS OF VERTICAL CONTROL.

ALIGNMENT DESIGNATION

"G1" GILLAM, WAY, 22ND AVE TO 19TH AVE

"G2" GILLAM WAY, 19TH AVE TO 14TH AVE

DESIGN ALIGNMENT – G1

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE	RADIUS COORDINATE	RADIUS	ARC LENGTH	DELTA
L1	10+00.00	N 3960576.1560 E 1371210.6409	20+40.82	N 3961616.5388 E 1371240.6612	N01°39'10"E	1040.82'				
C1	20+40.82	N 3961616.5388 E 1371240.6612	21+96.33	N 1371240.6612 E 1371152.7436	–	–	N 3961619.7980 E 1371127.7082	113.000'	155.515'	078°51'09"
L2	21+96.33	N 3961729.9898 E 1371152.7436	22+19.40	N 3961735.1012 E 1371130.2463	N77°11'59"W	23.07'				

DESIGN ALIGNMENT – G2

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE	RADIUS COORDINATE	RADIUS	ARC LENGTH	DELTA
L3	50+00.00	N 3961669.7161 E 1370955.5074	51+02.20	N 3961667.7234 E 1371057.6902	S88°52'58"E	102.20'				
C2	51+02.20	N 3961667.7234 E 1371057.6902	51+97.88	N 1371057.6902 E 1371127.3155	–	–	N 3961737.7101 E 1371059.0551	70.000'	95.682'	078°19'01"
L4	51+97.88	N 3961722.2014 E 1371127.3155	55+38.01	N 3962053.8723 E 1371202.6707	N12°48'01"E	340.12'				
L5	55+38.01	N 3962053.8723 E 1371202.6707	74+75.29	N 3963939.5958 E 1371646.6590	N13°14'56"E	1937.29'				

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
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PS&E

SHEET LAYOUT AND CENTERLINE CONTROL

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_A4_SHT_LAY.DWG PLOTTED: Nov 16, 2018 - 9:19:13 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	A5	A5

DESIGN ALIGNMENT – 14thW

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE	RADIUS COORDINATE	RADIUS	ARC LENGTH	DELTA
C3	180+00.00	N 3963645.6598 E 1371362.5690	181+22.14	N 1371362.5690 E 1371478.0197	–	–	N 3964382.6012 E 1371679.1285	802.055'	122.136'	008°43'30"
L6	181+22.14	N 3963606.1685 E 1371478.0197	182+09.89	N 3963584.1640 E 1371562.9736	S75°28'43"E	87.76'				

DESIGN ALIGNMENT – 15thW

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L7	160+00.00	N 3963181.2041 E 1371217.2376	162+49.12	N 3963173.2767 E 1371466.2313	S88°10'35"E	249.12'

DESIGN ALIGNMENT – 15thE

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L8	170+00.00	N 3963176.9893 E 1371467.1055	171+64.03	N 3963137.7458 E 1371626.3708	S76°09'28"E	164.03'

DESIGN ALIGNMENT – 16thW

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L9	140+00.00	N 3962638.2403 E 1371175.8323	141+63.14	N 3962632.3105 E 1371338.8624	S87°55'01"E	163.14'

DESIGN ALIGNMENT – 16thE

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L10	150+00.00	N 3962642.5061 E 1371341.2629	151+32.50	N 3962611.9654 E 1371470.1965	S76°40'26"E	132.50'

DESIGN ALIGNMENT – 17th

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE	RADIUS COORDINATE	RADIUS	ARC LENGTH	DELTA
L11	130+00.00	N 3961825.1524 E 1370525.7040	131+46.84	N 3961920.9510 E 1370636.9840	N49°16'32"E	146.84'				
C4	131+46.84	N 3961920.9510 E 1370636.9840	135+72.38	N 1370636.9840 E 1371029.0871	–	–	N 3961486.6996 E 1371010.8218	573.000'	425.543'	042°33'04"
L12	135+72.38	N 3962059.4084 E 1371029.0871	137+46.05	N 3962053.8723 E 1371202.6707	S88°10'24"E	173.67'				
L13	137+46.05	N 3962053.8723 E 1371202.6707	140+15.48	N 3962045.2837 E 1371471.9660	S88°10'24"E	269.43'				

DESIGN ALIGNMENT – 20th

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L14	119+50.00	N 3961258.6190 E 1371025.0186	121+55.23	N 3961251.9639 E 1371230.1414	S88°08'30"E	205.23'
L15	121+55.23	N 3961251.9639 E 1371230.1414	122+73.39	N 3961247.0314 E 1371348.2005	S87°36'27"E	118.16'

DESIGN ALIGNMENT – 21stW

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L16	100+00.00	N 3960917.8398 E 1371123.7212	100+96.74	N 3960915.9786 E 1371220.4465	S88°53'51"E	96.74'

DESIGN ALIGNMENT – 21stE

No.	STATION START	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L17	110+00.00	N 3960912.5556 E 1371220.3477	110+89.61	N 3960910.8350 E 1371309.9440	S88°53'59"E	89.61'

CENTERLINE CONTROL

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
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FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_A4_SHT_LAY.DWG PLOTTED: Nov 16, 2018 - 9:19:18 PM (Brian Lewis) KE#: 00384

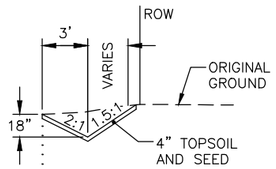
(Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	B1	B2

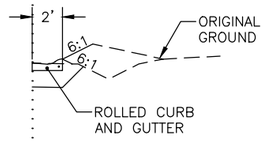
TYPICAL SECTION NOTES

1. SEE SUPERELEVATION TABLE THIS SHEET AND STANDARD DRAWING I–81.00. SUPERELEVATION IS ROTATED ABOUT THE CENTERLINE.
2. SEE G SHEETS FOR VARIANCES.
3. SEE G SHEETS FOR LAYOUT INFORMATION AT INTERSECTIONS. SAME PAVEMENT SECTION APPLIES THROUGH INTERSECTIONS.
4. DO NOT CARRY CENTERLINE VERTICAL CURVE THROUGH TO CURB LINE.
5. EDGE OF EXCAVATION OR CHANGES IN SUBBASE DEPTH SHALL BE SLOPED AT 1:1.



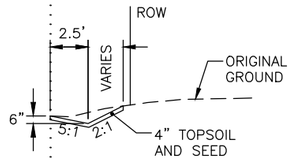
DITCH

"G1" 13+71.64 TO "G1" 15+86.64



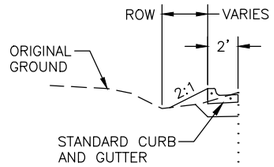
ROLLED CURB AND GUTTER

"G1" 16+19.74 TO "G1" 16+57.67
"G1" 16+93.60 TO "G1" 19+05.36
"G1" 20+03.62 TO "G1" 21+62.94



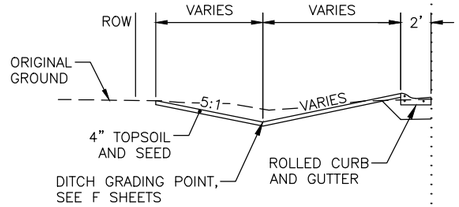
SWALE

"G1" 19+05.36 TO "G1" 20+03.62



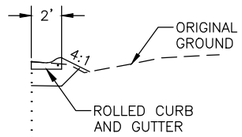
STANDARD CURB AND GUTTER

"G2" 51+02.67 TO "G2" 52+34.55



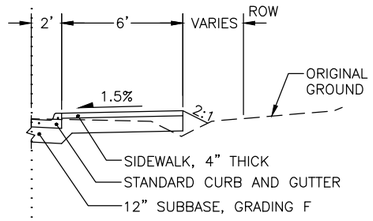
SPECIAL DITCH

"G2" 52+34.55 TO "G2" 54+72.88



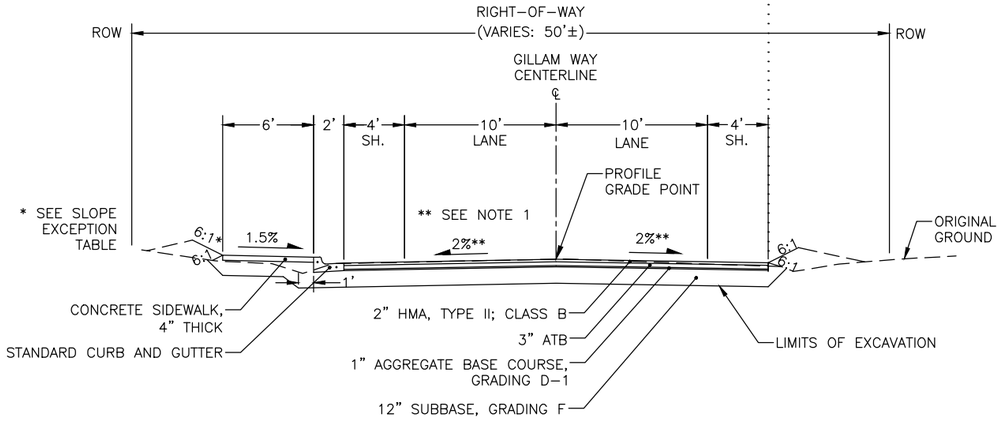
ROLLED CURB AND GUTTER

"G2" 51+04.24 TO "G2" 51+80



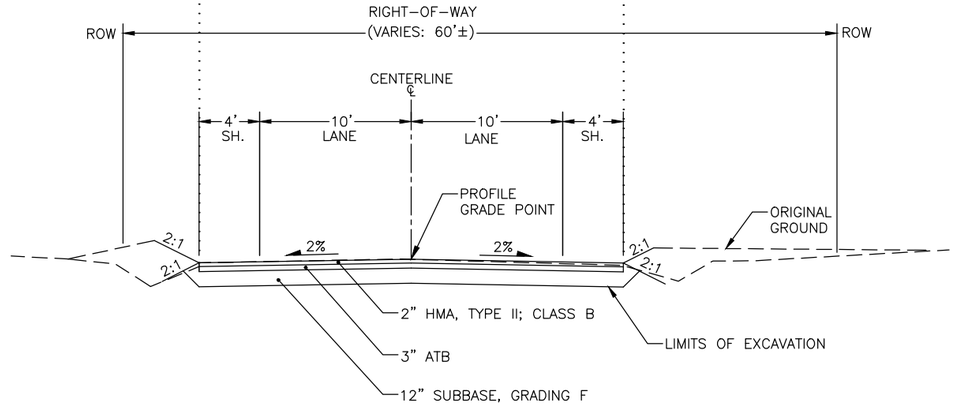
SIDEWALK

"G2" 52+50 TO "G2" 54+01.72



GILLAM WAY (22ND AVE TO 19TH AVE)

BOP TO STA "G1" 22+19.40



GILLAM WAY (19TH AVE TO 17TH AVE)

"G2" 50+00 TO "G2" 54+76.26

SLOPE EXCEPTION TABLE	
"G1" STA	SLOPE
12+60 LT TO 12+82 LT	4:1 CUT
16+15.64 RT TO 16+60.14 RT	4:1 CUT

SUPERELEVATION TABLE		
"G1" STA	SUPERELEVATION	
	LEFT	RIGHT
13+75	–2.00%	–2.00%
14+47	2.00%	–2.00%
19+25.62	2.00%	–2.00%
19+97.62	0%	0%
20+69.62	–2.00%	2.00%

PROVIDE UNIFORM TRANSITION RATE BETWEEN CHANGES IN CROSS SLOPES.

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

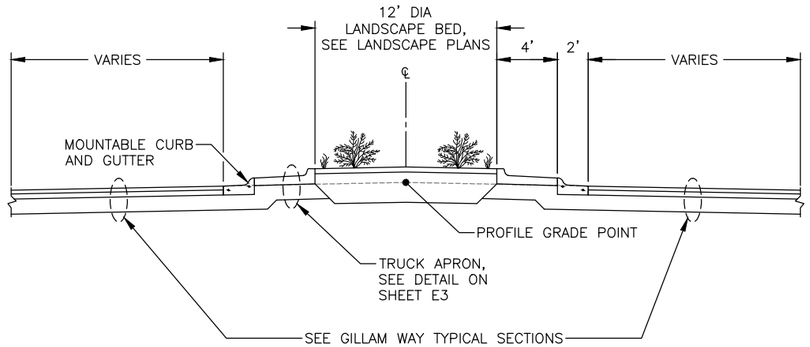
11/16/2018
REVIEW
PS&E

TYPICAL SECTIONS
1 OF 2

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346–2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384–GILLAM WAY\DWGS\C\SHEETS\63784_B1–B3_TYPSEC.DWG PLOTTED: Nov 16, 2018 – 9:19:26 PM

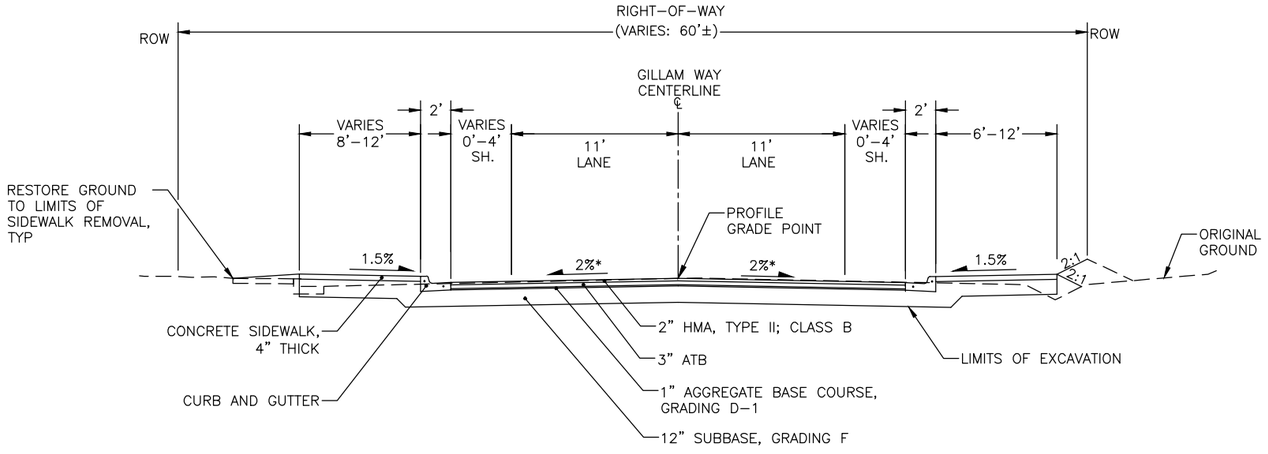
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	B2	B2



TRAFFIC CIRCLE

SEE GRADING SHEETS FOR LOCATIONS



* CONSTRUCT 3% CROWN FROM STA "G2" 62+34 TO "G2" 65+18 AND FROM STA "G2" 71+53 TO EOP. PROVIDE 52' TRANSITION LENGTH BEFORE AND AFTER GIVEN STATION RANGES.

GILLAM WAY (17TH AVE TO 14TH AVE)

"G2" 54+76.26 TO EOP

TYPICAL SECTIONS
2 OF 2

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_B1-B3_TYPSEC.DWG PLOTTED: Nov 16, 2018 - 9:19:28 PM
(Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	C1	C1

ESTIMATE OF QUANTITIES

ITEM NO.	SSHC 2017 ITEM NO.	DESCRIPTION	UNIT	TOTAL
201.0009.0000	201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D
202.0001.0000	202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D
202.0002.0000	202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	19,110
202.0003.000	202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	1,563
202.0004.0000	202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	3,446
202.0010.0000	202(10)	SINGLE MAIL BOX INSTALLATION	EACH	4
203.0005.000	203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	10,300
301.0003.000	301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	1,218
304.0001.000F	304(1)	SUBBASE, GRADING F	TON	14,411
306.0001.0000	306(1)	ATB	TON	2,567
	306(102)	ASPHALT BINDER, GRADE 52-28	TON	116
401.0001.002B	401(1b)	HMA, TYPE II; CLASS B	TON	1,716
401.0004.5240	401(4)	ASPHALT BINDER, GRADE 52-40	TON	108
401.0008.002B	401(8b)	HMA PRICE ADJUSTMENT, TYPE II; CLASS B	CONTINGENT SUM	ALL REQ'D
401.0012.002B	401(12)	HMA, DRIVEWAY, TYPE II; CLASS B	TON	81
401.0015.0000	401(15)	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
603.0021.0012	603(21)-12	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	2,263
603.0021.0018	603(21)-18	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	1,298
603.0021.0024	603(21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	166
604.0001.0000	604(1)	STORM SEWER MANHOLE	EACH	36
604.0002.0000	604(2)	SANITARY SEWER MANHOLE	EACH	4
604.0003.0000	604(3)	RECONSTRUCT EXISTING MANHOLE	EACH	1
604.0004.0000	604(4)	ADJUST EXISTING MANHOLE	EACH	4
604.0005.0000	604(5)	INLET, TYPE A	EACH	39
604.2002.0000	604(99)	OIL WATER SEPARATOR	EACH	1
	605(99)	STORMWATER RETENTION SYSTEM	LUMP SUMP	ALL REQ'D
608.0001.0004	608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	2,669
608.0001.0006	608(1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	1,580
608.0008.0000	608(6)	CURB RAMP	EACH	33
609.0001.0000	609(1)	CURB, TYPE I	LINEAR FOOT	246
609.0002.0001	609(2)	CURB AND GUTTER, TYPE I	LINEAR FOOT	7,868
	609(113)	TRUCK APRON	LINEAR FOOT	82
615.0001.0000	615(1)	STANDARD SIGN	SQUARE FOOT	360
615.0006.0000	615(6)	SALVAGE SIGN	EACH	66
615.2018.0000	615(99)	SPECIAL SIGNS	EA	1
618.0002.0000	618(2)	SEEDING	POUND	77
620.0001.0000	620(1)	TOPSOIL	SQUARE YARD	4,223
621.0001.000A	621(1)-A	TREE, BIRCH (BETULA PAPYRIFERA), CLUMP	EACH	4
621.0001.000B	621(1)-B	TREE, BIRCH (BETULA PAPYRIFERA), SINGLE STEM	EACH	10
621.0002.000A	621(2)-A	SHRUB, HIGHBUSH CRANBERRY (VIBURNUM OPULUS)	EACH	20
621.0002.000B	621(2)-B	SHRUB, LILAC (SYRINGA X PRESTONIAE 'JAMES MACFARLANE')	EACH	3
621.0002.000C	621(2)-C	SPIRAEA JAPONICA 'GOLD MOUND'	EACH	32
626.0001.0008	626(1)	SANITARY SEWER CONDUIT, 8 INCH	LINEAR FOOT	1,505
626.0002.0000	626(2)	SEWER SERVICE CONNECTION	EACH	22
626.2003.0000	626(101)	FLUSHWELL	EACH	2
627.0001.0006	627(1-6)	6 INCH DUCTILE IRON WATER CONDUIT, CLASS 350	LINEAR FOOT	95
627.0001.0008	627(1-8)	8 INCH DUCTILE IRON WATER CONDUIT, CLASS 350	LINEAR FOOT	920
627.0001.0010	627(1-10)	10 INCH DUCTILE IRON WATER CONDUIT, CLASS 350	LINEAR FOOT	1,990
627.0003.0000	627(3)	INSTALL VALVE BOX	EACH	8
627.0005.0000	627(5)	FIRE HYDRANT INSTALLATION	EACH	5
627.0008.0000	627(8)	WATER SERVICE CONNECTION	EACH	28
627.0009.0006	627(9-6)	INSTALL 6 INCH GATE VALVE	EACH	1
627.0009.0008	627(9-8)	INSTALL 8 INCH GATE VALVE	EACH	2
627.0009.0010	627(9-10)	INSTALL 10 INCH GATE VALVE	EACH	5
627.0010.0000	627(10)	ADJUSTMENT OF VALVE BOX	EACH	3
627.2004.0000	627(104)	SPRINKLER SERVICE CONNECTION	EACH	2
	639(102)	DRIVEWAY	EACH	53

ESTIMATE OF QUANTITIES

ITEM NO.	SSHC 2017 ITEM NO.	DESCRIPTION	UNIT	TOTAL
640.0001.0000	640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
641.0001.0000	641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641.0003.0000	641(3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D
641.0004.0000	641(4)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQ'D
641.0006.0000	641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQ'D
641.0007.0000	641(7)	SWPPP MANAGER	LUMP SUM	ALL REQ'D
642.0001.0000	642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642.0003.0000	642(3A)	THREE PERSON SURVEY PARTY	CONTINGENT SUM	ALL REQ'D
642.0004.0000	642(4)	SET PRIMARY MONUMENT	EACH	3
642.0010.0000	642(10)	MONUMENT CASE	EACH	3
643.0002.0000	643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643.0003.0000	643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643.0023.0000	643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
643.0025.0000	643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
643.2005.0000	643(117)	PUBLIC INFORMATION PROGRAM	LUMP SUM	ALL REQ'D
644.0001.0000	644(1)	FIELD OFFICE	LUMP SUM	ALL REQ'D
644.0006.0000	644(6)	VEHICLES	LUMP SUM	ALL REQ'D
645.0001.0000	645(1)	TRAINING PROGRAM, 2 TRAINEES/APPRENTICES	LABOR HOUR	1,000
646.0001.0000	646(1)	CPM SCHEDULING	LUMP SUM	ALL REQ'D
660.0003.0000	660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQ'D
660.2013.0000	660(106)	VMS- RADAR SPEED SIGN	EACH	1
	660(200)	ADJUSTMENT OF JUNCTION BOX	EACH	1
661.0004.0000	661(4)	LOAD CENTER, TYPE 3	EACH	1
670.0010.0000	670(10)	MMA PAVEMENT MARKINGS	LUMP SUM	ALL REQ'D

ESTIMATED LUMP SUM QUANTITIES

ITEM NO.	ITEM	QUANTITY
201(3B)	CLEARING AND GRUBBING	0.29 ACRE
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	SEE SHEET D1
605(99)	STORMWATER RETENTION FACILITY	
	CHAMBERS	941 LF
	WOVEN GEOTEXTILE, DRAINAGE	98 SY
	NON-WOVEN GEOTEXTILE, DRAINAGE	840 SY
	FILTER ROCK	646 TON
	SELECTED MATERIAL, TYPE C	185 TON
	TYPE I STORM SEWER MANHOLE	1 EA
	18" MANIFOLD	73 LF
670(10)	MMA PAVEMENT MARKINGS	SEE SHEET H1

ESTIMATING FACTORS

ITEM NO.	DESCRIPTION	UNIT
301(1)	AGGREGATE BASE COURSE, GRADING D-1	148 LBS. / CF
304(1)	SUBBASE, GRADING F	148 LBS. / CF
306(1)	ATB	151 LBS. / CF
306(102)	ASPHALT BINDER, GRADE 52-28	4.5% WEIGHT OF 306(1)
401(1b)	HMA, TYPE II; CLASS B	151 LBS. / CF
401(4)	ASPHALT BINDER, GRADE 52-40	6% WEIGHT OF 401(1b)
401(12)	HMA, TYPE II; CLASS B	151 LBS. / CF
618(2)	SEEDING	2 LBS. / 1,000 SF

ESTIMATE OF QUANTITIES

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/19/2018
REVIEW
PS&E
PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_C1_EOQ.DWG PLOTTED: Nov 19, 2018 - 5:07:35 PM (Gordon Dufseth) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	D1	D3

202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS – LUMP SUM

SHEET	STATION	OFFSET	DESCRIPTION
F1	"G1" 13+60	22.3' LT	REMOVE AND RELOCATE UTILITY POLE
F3	"G1" 20+95	7.1' RT	REMOVE AND RELOCATE UTILITY POLE
F5	"G2" 54+95	44.4' LT	REMOVE JUCTION BOX (TYP OF 4 EA)
	"G2" 55+04	28.8' RT	
	"G2" 55+75	29.6' LT	
	"G2" 55+84	37.3' RT	
F6	"G2" 61+70	30.5' RT	REMOVE TREE (TYP OF 2 EA)
	"G2" 62+12	25.9' RT	
F6	"G2" 62+35	23.6' RT	REMOVE RETAINING WALL, 45.5 LF
	"G2" 62+67	23.9' RT	
F6	"G2" 62+96	25.8' RT	REMOVE TREE
F8	"G2" 70+08	23.8' RT	REMOVE WOODEN FENCE (APPROX 10 LF)

NOTE: REMOVAL OF SD PIPE AND REMOVAL OF INLET ARE SUBSIDIARY TO 202(1) PAY ITEM. SEE SUMMARY SHEETS THIS SHEET.

REMOVAL OF SD PIPE

BEGIN		END		LENGTH (LF)	REMARKS
STATION	OFFSET	STATION	OFFSET		
"G1" 17+01	20.9' RT	"G1" 17+03	24.6' LT	45	
"G1" 17+03	24.6' LT	"G1" 18+57	24.3' LT	155	
"G1" 18+57	24.3' LT	"G1" 19+58	24.7' LT	100	
"G1" 19+58	24.7' LT	"G1" 20+56	28.3' LT	95	
"G1" 20+56	28.3' LT	"G1" 21+79	17.6' RT	95	
"G2" 51+94	37.6' RT	"G2" 52+04	27.4' LT	65	
"G2" 52+04	27.4' LT	"G2" 54+04	22.0' LT	200	
"G2" 51+94	37.6' RT	"G2" 52+68	31.0' RT	75	
"G2" 52+68	31.0' RT	"G2" 53+74	25.6' RT		ABANDON IN PLACE
"G2" 53+74	25.6' RT	"G2" 53+87	20.9' RT	15	
"G2" 53+87	20.9' RT	"G2" 54+04	22.0' LT	50	
"G2" 53+87	20.9' RT	"G2" 54+64	18.0' RT	80	
"17TH" 136+60	18.4' RT	"17TH" 136+61	1.3' RT	20	
"17TH" 136+60	18.4' LT	"17TH" 136+61	1.3' RT	20	
"17TH" 136+61	1.3' RT	"17TH" 138+13	18.8' LT	150	
"17TH" 138+03	18.1' RT	"17TH" 138+13	18.8' LT	40	
"17TH" 138+13	18.8' LT	"17TH" 138+25	18.2' LT	10	
"17TH" 136+60	18.4' LT	"17TH" 136+79	30.1' LT	25	
"17TH" 136+79	30.1' LT	"G2" 55+91	32.5' LT		ABANDON IN PLACE
"G2" 55+91	32.5' LT	"G2" 56+03	19.0' LT	20	
"G2" 56+03	18.9' LT	"G2" 56+03	19.7' RT	40	
"G2" 56+03	19.7' RT	"G2" 58+68	19.6' RT	265	
"G2" 58+68	19.6' RT	"G2" 61+14	19.5' RT	250	
"G2" 60+85	18.6' LT	"G2" 61+14	19.5' RT	50	
"G2" 60+85	18.6' LT	"G2" 60+88	28.9' LT	10	
"G2" 61+14	19.5' RT	"G2" 61+80	18.9' RT	65	
"G2" 61+14	19.5' RT	"16THE" 150+67	20.9' RT	50	
"G2" 61+80	18.9' RT	"G2" 62+69	18.5' RT	75	
"G2" 62+69	18.5' RT	"G2" 63+97	19.8' RT	130	
"G2" 63+97	19.8' RT	"G2" 63+97	26.9' LT	45	
"G2" 63+97	19.8' RT	"G2" 65+37	19.1' RT	140	
"G2" 66+63	24.1' LT	"G2" 66+75	29.4' RT	55	
"G2" 66+63	24.1' LT	"15THW" 161+01	18.5' RT	120	
"G2" 65+37	19.1' RT	"G2" 66+75	29.4' RT	140	
"G2" 66+75	29.4' RT	"15THE" 170+59	15.9' RT	30	
"G2" 66+75	29.4' RT	"G2" 67+15	19.0' RT	40	
"15THW" 161+01	18.5' RT	"15THW" 160+96	27.8' LT	50	
"G2" 70+73	28.5' LT	"G2" 71+53	28.1' LT	80	
"G2" 71+53	28.1' LT	"G2" 71+53	16.9' RT	45	
"G2" 71+53	28.1' LT	"G2" 74+01	29.9' RT	255	
			TOTAL	3,195	

NOTE: REMOVAL OF SD PIPE SUBSIDIARY TO 202(1). REMOVED PIPE WILL NOT BE MEASURED FOR PAYMENT.

REMOVAL OF INLET

STATION	OFFSET	REMARKS
"G1" 17+01	20.9' RT	
"G1" 17+03	24.6' LT	
"G1" 18+57	24.3' LT	
"G1" 19+58	24.7' LT	
"G1" 20+56	28.4' LT	
"G2" 51+94	37.6' RT	
"G2" 52+04	27.4' LT	
"G2" 53+87	20.9' RT	
"G2" 54+04	22.0' LT	
"G2" 54+64	18.0' RT	
"17TH" 136+60	18.4' RT	
"17TH" 136+60	18.4' LT	
"17TH" 138+04	18.1' RT	
"17TH" 138+13	18.8' LT	
"G2" 56+03	19.0' LT	
"G2" 56+03	19.8' RT	
"G2" 58+68	19.6' RT	
"G2" 60+85	18.6' LT	
"G2" 61+14	19.5' RT	
"G2" 61+80	18.9' RT	
"G2" 62+69	18.5' RT	
"G2" 63+97	26.9' LT	
"G2" 63+97	19.8' RT	
"G2" 65+37	19.1' RT	
"G2" 66+40	141.2' LT	
"G2" 66+63	24.1' LT	
"15THW" 161+01	18.5' RT	
"G2" 66+75	29.4' RT	
"G2" 67+15	19.0' RT	
"G2" 70+73	28.5' LT	
"G2" 71+53	28.1' LT	
"G2" 71+53	16.9' RT	
TOTAL (EA):	32	

NOTE: REMOVAL OF INLET SUBSIDIARY TO 202(1).

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

SUMMARY TABLES

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_D1-D5_SUMTBLS.DWG PLOTTED: Nov 16, 2018 - 9:19:41 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	D2	D3

202(2) REMOVAL OF PAVEMENT – SQUARE YARD

SHEET	START STATION	END STATION	AREA (SY)	REMARKS
F1–F2	"G1" 10+13	"G1" 19+50	4,300	
F3–F6	"G1" 19+50	"G2" 60+50	6,210	
F7–F8	"G2" 60+50	"G2" 73+74	8,480	
F8	"G2" 71+84	"G2" 74+02	120	PARKING LOT
		TOTAL:	19,110	

202(3) REMOVAL OF SIDEWALK – SQUARE YARD

SHEET	BEGIN		END		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F5	"G2" 54+69	20.3' LT	"17th" 136+39	19.1' RT	73	
F5	"G2" 54+68	19.7' RT	"17th" 138+27	18.7' RT	67	
F5–F6	"17th" 136+39	18.9' LT	"16thW" 140+81	19.1' RT	283	17TH TO 16TH W
F5–F6	"17th" 138+29	19.2' LT	"G2" 61+26	31.3' RT	333	17TH TO 16TH E
F6–F7	"G2" 61+59	32.8' LT	"G2" 66+61	32.9' LT	218	16TH TO 15TH W
F7–F8	"G2" 67+09	33.0' LT	"14thW" 181+07	18.0' RT	221	15TH TO 14TH W
F8	"G2" 71+43	41.2' LT	"G2" 74+74	23.8' LT	164	14TH W TO EOP
F8	"G2" 70+53	18.2' RT	"G2" 74+02	35.4' RT	204	
				TOTAL:	1,563	

202(9) REMOVAL OF CURB AND GUTTER – LINEAR FOOT

SHEET	BEGIN		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F5	"G2" 54+69	19.5' LT	"17th" 136+39	18.4' RT	107	17TH SW QUAD
F5	"G2" 54+68	19.0' RT	"17th" 138+27	17.9' RT	96	17TH SE QUAD
F5–F6	"17th" 136+39	18.2' LT	"16thW" 140+81	18.5' RT	756	17TH–16TH LT
F5–F6	"17th" 138+29	18.5' LT	"16thE" 150+32	16.0' RT	608	17TH–16TH RT
F6–F7	"G2" 61+59	32.8' LT	"15thW" 160+15	20.4' RT	691	16TH–15TH LT
F6–F7	"G2" 62+39	22.5' RT	"15thE" 63+81	21.0' RT	44	16TH–15TH RT
F7–F8	"G2" 67+21	26.2' LT	"14thW" 181+07	17.4' RT	451	15TH–14TH LT
F8	"G2" 71+68	31.0' LT	"G2" 74+74	23.2' LT	339	14TH–EOP LT
F8	"G2" 70+53	18.2' RT	"G2" 74+04	30.3' RT	354	15TH–EOP RT
			TOTAL:		3,446	

202(10) SINGLE MAILBOX INSTALLATION – EACH

SHEET	STATION	OFFSET	REMARKS
F6	"G2" 64+99	22.8' RT	RELOCATE MAILBOX
F7	"G2" 66+01	23.3' RT	RELOCATE MAILBOX
F7	"G2" 68+70	20.2' RT	RELOCATE MAILBOX
F8	"G2" 70+13	21.2' RT	RELOCATE MAILBOX
	TOTAL:	4	

SUMMARY TABLES

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
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REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_D1-D5_SUMTBLS.DWG PLOTTED: Nov 16, 2018 - 9:19:43 PM
(Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	D3	D3

627(10) ADJSUTMENT OF VALVE BOX – EACH

SHEET	STATION	OFFSET	REMARKS
	"G1" 16+70	11' RT	
	"G1" 16+72	13' RT	
	"G1" 17+16	20' RT	
	TOTAL:	3	

642(4) SET PRIMARY MONUMENT – EACH

SHEET	STATION	OFFSET	REMARKS
F3	"G1" 21+39	18' RT	PRIMARY MONUMENT
F4	"G2" 51+62	16' RT	PRIMARY R.O.W. MONUMENT
F5	"G2" 58+68	26' RT	PRIMARY MONUMENT
	TOTAL:	3	

642(10) MONUMENT CASE – EACH

SHEET	STATION	OFFSET	REMARKS
F3	"G1" 21+39	18' RT	PRIMARY MONUMENT
F4	"G2" 51+62	16' RT	PRIMARY R.O.W. MONUMENT
F5	"G2" 58+68	26' RT	PRIMARY MONUMENT
	TOTAL:	3	

SUMMARY TABLES

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
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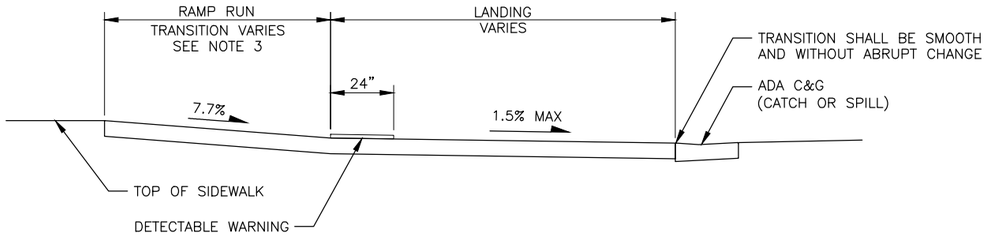
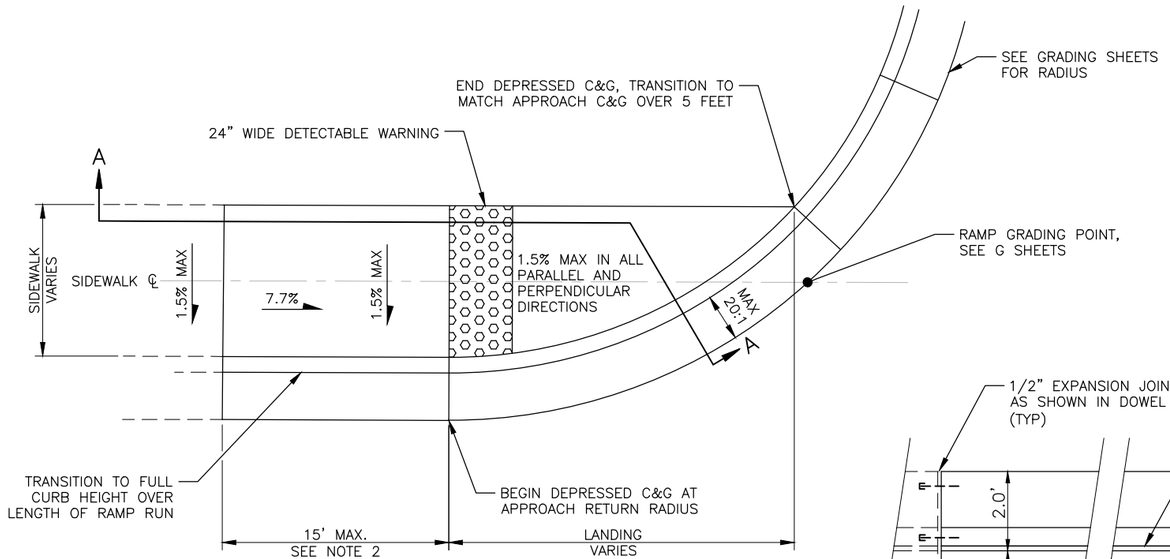
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	E1	E8

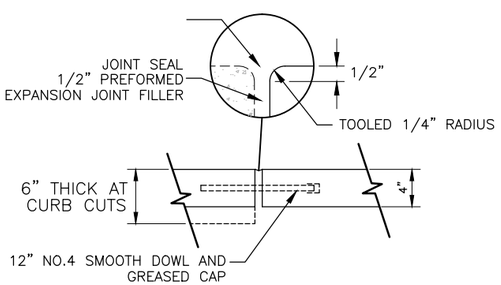


SECTION A–A

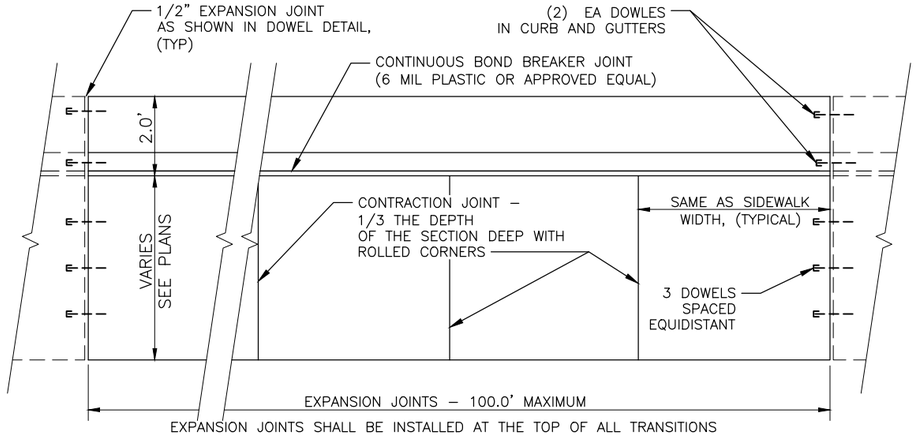


PLAN

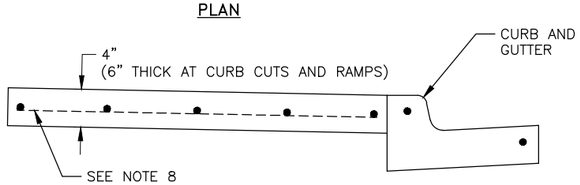
UNIDIRECTIONAL CURB RAMP
NTS



DOWEL DETAIL
NTS



PLAN



SECTION

STANDARD SIDEWALK, CURB & GUTTER
NTS

NOTES:

1. CURB CUTS AND RAMPS SHALL BE 6" THICK TO INCLUDE TRANSITIONS.
2. INSTALL CONTINUOUS FULL DEPTH 1/8" CONSTRUCTION JOINT AT ALL LOCATIONS WHERE SIDEWALK AND CURB (ALL TYPES) MEET.
3. PROTECT CONCRETE DURING CURE TIME.
4. CONCRETE SHALL RECEIVE A MEDIUM BROOMED FINISH RUNNING PERPENDICULAR TO THE CURB RAMP RUNS AND UPPER LANDINGS AND PARALLEL TO DIRECTION OF TRAVEL ON LOWER LANDINGS.
5. SEAL ALL EXPANSION JOINTS WITH HOT POURED ELASTIC TYPE JOINT SEAL CONFORMING TO AASHTO M173–60 REQUIREMENTS.
6. FOR SIDEWALK LARGER OR DIFFERENTLY CONFIGURED THAN SHOWN PLACE EXPANSION AND CONTRACTION JOINTS AS DIRECTED BY ENGINEER.
7. INSTALL 1/2" CONSTRUCTION JOINT BETWEEN NEW CONCRETE AND ADJACENT POLES AND HYDRANTS.
8. STEEL REINFORCEMENT FOR CURB CUTS AND RAMPS SHALL BE 6" X 6" – W2.9 X W2.9 WMM. FOR TYPICAL SIDEWALK REINFORCEMENT SHALL BE 6" X 6" – W1.4 X W1.4 WWM. ALL STEEL SHALL BE SET ON SPACERS AND PULLED UP AS REQUIRED TO POSITION STEEL 1–1/2" FROM BOTTOM OF SIDEWALK.
9. SAWCUT ALL MATCH LINES WHERE NEW CONSTRUCTION OF PAVEMENT, SIDEWALK, OR CURBING ABUTS EXISTING FEATURES. WORK IS SUBISIDIARY TO 202 PAY ITEMS.
10. DO NOT CONSTRUCT GUTTER PAN SLOPES STEEPER THAN 5% ALONG ADA C&G.
11. EXPANSION JOINTS IN SIDEWALK SHALL LINE UP WITH EXPANSION JOINTS IN C&G.
12. TRANSITION FROM STANDARD CURB AND GUTTER WHERE SIDEWALK SLOPE MAKES IT NECESSARY TO LENGTHEN A RAMP RUN TO AVOID EXCEEDING THE ALLOWABLE RAMP SLOPE. IT SHOULD NOT BE MADE LONGER THAN 15 FEET FOR A 6" CURB HEIGHT, OR IN GENERAL, 30 TIMES THE CURB HEIGHT. THE SLOPES RESULTING FROM THOSE RUN LENGTHS MUST BE ACCEPTED BY THE ENGINEER.
13. CONSTRUCT RAMP SLOPES AT A NOMINAL 7.7% GRADE, OR FLATTER. RAMP SLOPES MAY BE INCREASED TO A MAXIMUM OF 8.3% WHEN SITE CONDITIONS WARRANT IT. RAMP LENGTHS SHOULD BE INCREASED TO KEEP GRADES UNDER THE 8.3% MAXIMUM, BUT ARE NOT REQUIRED TO EXCEED 15 FEET.
14. INSTALL FEDERAL YELLOW CAST IRON DETECTABLE WARNINGS IN THE LANDING OF ALL RAMPS.
15. ALL CURB RAMP LAYOUTS AND DIMENSIONS IN THIS PLAN SET ARE APPROXIMATE AND NEED TO BE FIELD FIT AND SHALL MEET 2006 ADA STANDARDS FOR MAXIMUM SLOPES. FINAL LAYOUT TO BE APPROVED BY THE ENGINEER PRIOR TO CONCRETE PLACEMENT.

SIDEWALK DETAILS

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

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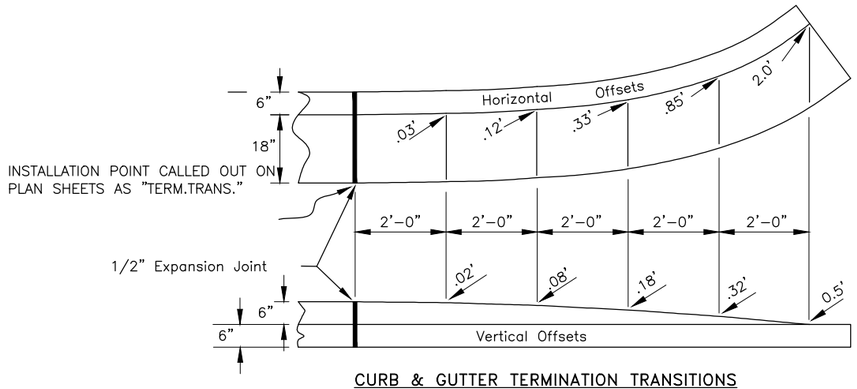
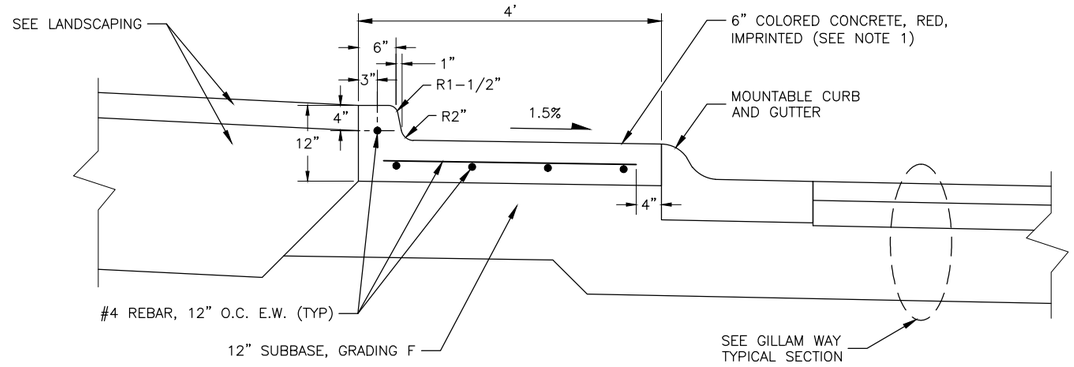
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	E2	E8



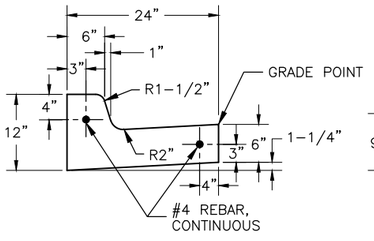
CURB & GUTTER TERMINATION TRANSITIONS
NTS



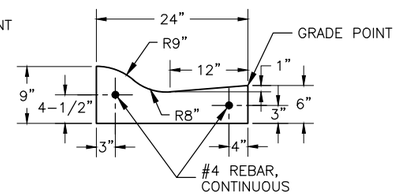
TRUCK APRON

NOTES:

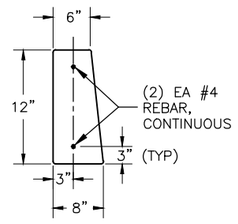
1. RED DYE (DAVIS COLOR 160) 5 LB PIGMENT PER SACK OF CEMENT.



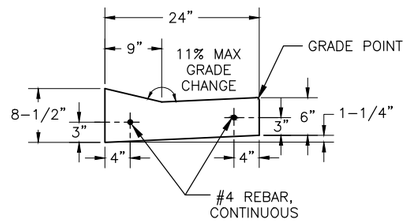
STANDARD C&G



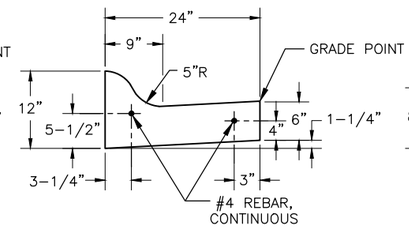
ROLLED C&G



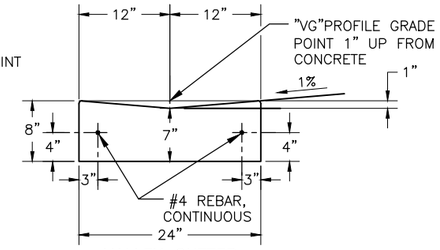
CURB TYPE I



DEPRESSED C&G



MOUNTABLE C&G



VALLEY GUTTER

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
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CURBING DETAILS

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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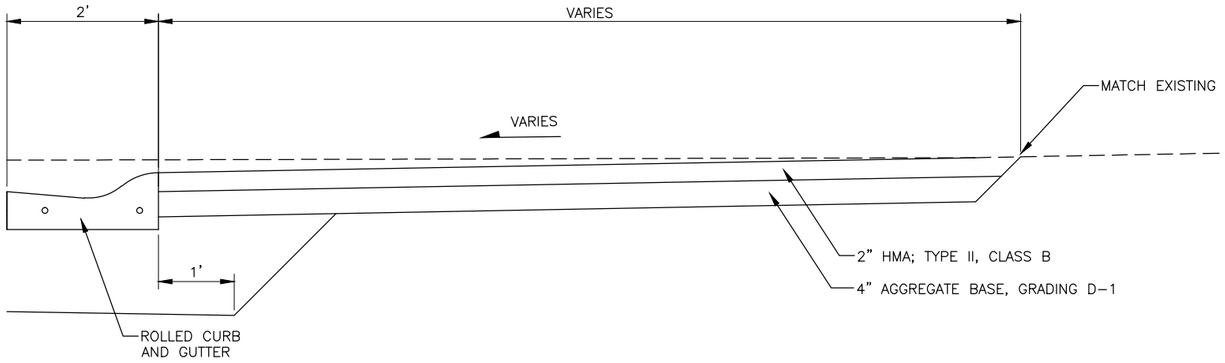
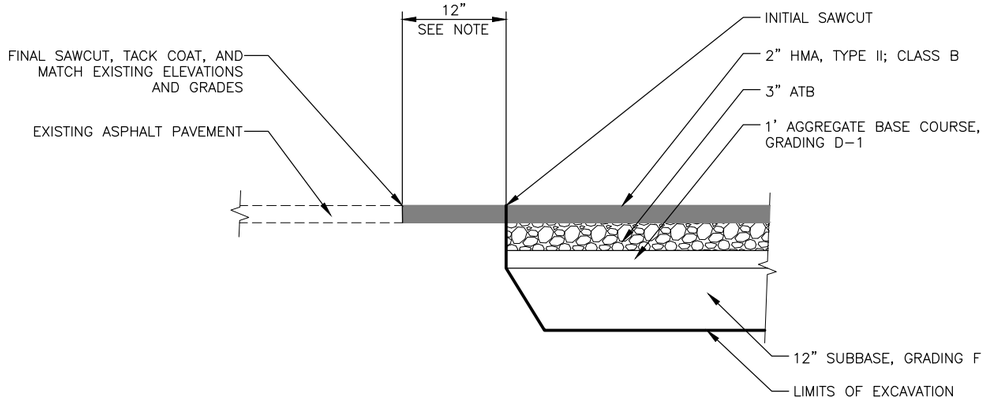
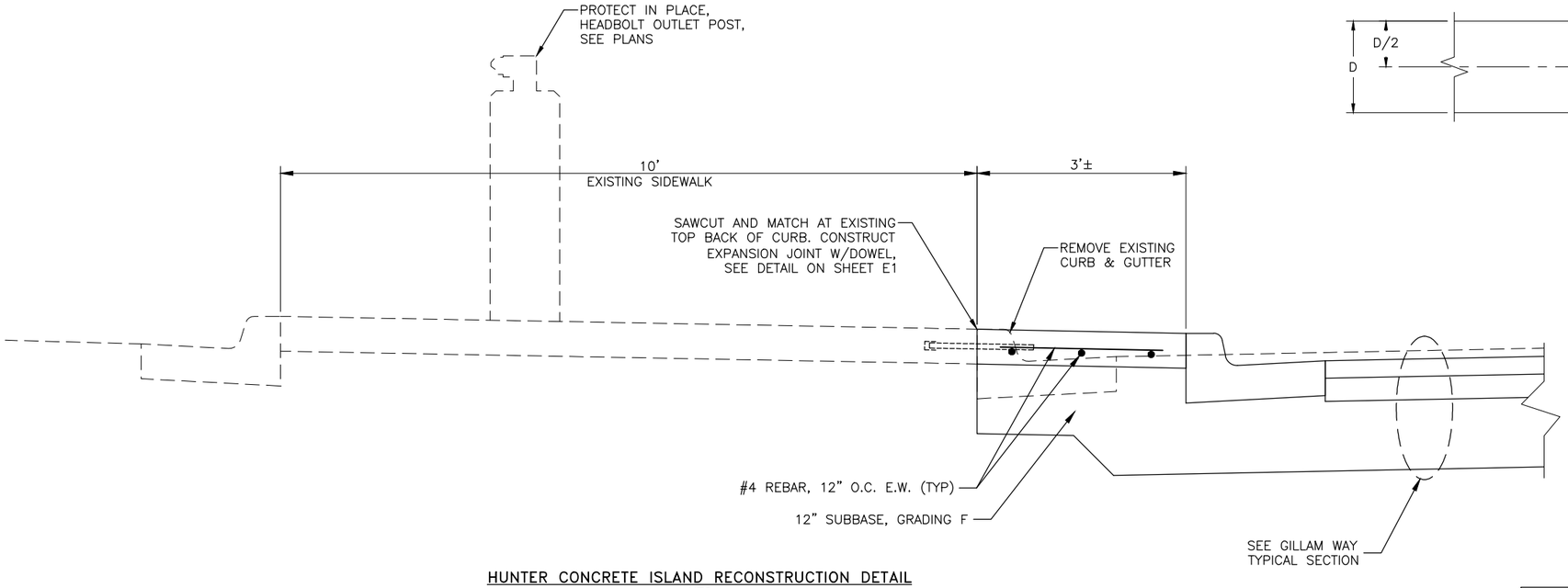


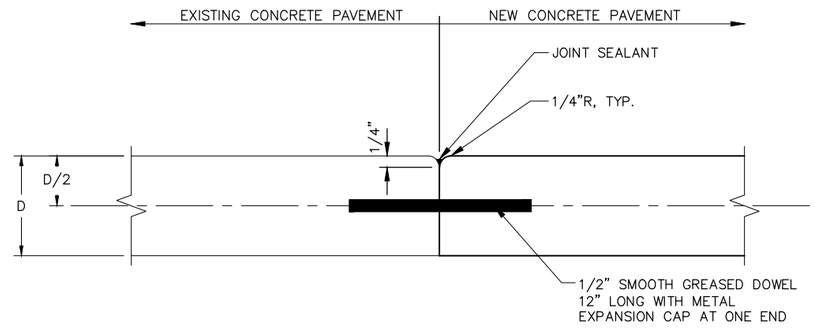
CAROL BRICE PARKING LOT MATCH DETAIL
NTS
"G1" 17+17.76 TO "G1" 19+05.35
"G1" 20+03.66 TO "G1" 20+88.07



MATCH EXISTING ASPHALT PAVEMENT
NTS



HUNTER CONCRETE ISLAND RECONSTRUCTION DETAIL
NTS
"G2" 57+16 TO "G2" 59+34



MATCH EXISTING CONCRETE PAVEMENT
NTS

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

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MISC DETAILS

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	E4	E8

608(1A) CONCRETE SIDEWALK, 4 INCHES THICK – SQUARE YARD

SHEET	BEGIN		END		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	"G1" 10+42	16.0' LT	"G1" 12+99	16.0' LT	124	
F1–F2	"G1" 13+79	16.0' LT	"G1" 16+18	16.0' LT	125	
F2–F3	"G1" 17+16	16.0' LT	"G1" 21+63	16.0' LT	196	
F3–F5	"G2" 52+27	32.7' RT	"17th" 138+27	18.7' RT	209	
F5	"G2" 54+76	16.0' LT	"17th" 136+39	19.1' RT	81	
F5–F6	"17th" 136+39	18.9' LT	"16thW" 140+81	19.1' RT	322	
F5–F6	"17th" 138+29	19.2' LT	"16thE" 150+42	14.0' RT	327	
F6–F7	"16thW" 141+22	14.0' LT	"G2" 66+57	25.0' LT	371	
F6–F7	"16thE" 150+57	42.3' RT	"G2" 65+99	17.0' RT	238	
F7–F8	"G2" 67+20	17.0' LT	"14thW" 181+08	18.0' RT	221	
F8	"G2" 71+70	23.3' LT	"G2" 74+56	22.9' LT	163	
F7–F8	"G2" 67+29	17.0' RT	"G2" 74+05	31.8' RT	292	
				TOTAL:	2,669	

608(1B) CONCRETE SIDEWALK, 6 INCHES THICK – SQUARE YARD

SHEET	BEGIN		END		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	"G1" 10+21	22.0' LT	"G1" 13+19	22.0' LT	70	
F1–F2	"G1" 13+58	22.0' LT	"G1" 16+58	22.0' LT	70	
F2–F3	"G1" 16+95	22.0' LT	"G1" 21+85	18.2' LT	112	
F3–F5	"G2" 54+94	14.0' LT	"17th" 137+02	14.0' RT	30	
F5	"G2" 52+25	47.9' RT	"17th" 137+83	14.0' RT	68	
F5–F6	"17th" 55+10	14.0' LT	"16thW" 141+19	14.0' RT	96	
F5–F6	"17th" 137+90	14.0' LT	"16thE" 150+37	14.0' RT	259	
F6–F7	"16thW" 141+27	14.0' LT	"G2" 162+63	25.0' LT	125	
F6–F7	"16thE" 150+32	14.0' LT	"G2" 162+74	25.0' RT	244	
F7–F8	"G2" 66+99	25.0' LT	"14thW" 70+66	19.2' RT	185	
F8	"G2" 71+34	39.5' LT	"G2" 74+74	23.8' LT	69	
F7–F8	"G2" 67+09	25.0' RT	"G2" 73+34	18.2' RT	252	
				TOTAL:	1,580	

608(6) CURB RAMP – EACH

SHEET	STATION	OFFSET	REMARKS
F1	"G1" 10+21.44	19.0' LT	UNIDIRECTIONAL CURB RAMP
F1	"G1" 13+18.78	19.0' LT	UNIDIRECTIONAL CURB RAMP
F1	"G1" 13+58.41	19.0' LT	UNIDIRECTIONAL CURB RAMP
F2	"G1" 16+57.44	19.0' LT	UNIDIRECTIONAL CURB RAMP
F2	"G1" 16+94.98	19.0' LT	UNIDIRECTIONAL CURB RAMP
F3	"G1" 21+73.57	14.1' LT	PARALLEL CURB RAMP
F3	"G1" 21+81.41	14.0' RT	PARALLEL CURB RAMP
F5	"G2" 55+03.03	12.4' LT	PARALLEL CURB RAMP
F5	"G2" 55+09.12	12.0' RT	PARALLEL CURB RAMP
F5	"17th" 137+11.07	12.4' RT	PARALLEL CURB RAMP
F5	"17th" 137+17.37	12.0' LT	PARALLEL CURB RAMP
F5	"17th" 137+74.94	12.0' RT	PARALLEL CURB RAMP
F5	"17th" 137+81.34	12.4' LT	PARALLEL CURB RAMP
F5	"G2" 55+66.69	12.0' LT	PARALLEL CURB RAMP
F5	"G2" 55+73.74	12.4' RT	PARALLEL CURB RAMP
F5	"G2" 56+46.13	24.6' LT	PARALLEL CURB RAMP
F5	"G2" 57+04.88	23.5' LT	PERPENDICULAR CURB RAMP
F5	"G2" 59+46.4	23.5' LT	PERPENDICULAR CURB RAMP
F5	"G2" 59+97.99	24.6' LT	PARALLEL CURB RAMP
F6	"G2" 61+00.81	13.5' LT	PERPENDICULAR CURB RAMP
F6	"G2" 61+03.81	12.0' RT	PERPENDICULAR CURB RAMP
F6	"16thW" 141+28.03	12.4' RT	PARALLEL CURB RAMP
F6	"16thW" 141+34.34	12.0' LT	PARALLEL CURB RAMP
F6	"16thE" 150+24.49	13.5' LT	PERPENDICULAR CURB RAMP
F6	"16thE" 150+28.22	12.4' RT	PARALLEL CURB RAMP
F6	"G2" 61+68.7	12.0' LT	PERPENDICULAR CURB RAMP
F6	"G2" 61+68.7	12.9' RT	PARALLEL CURB RAMP
F7	"G2" 66+62.58	21.0' LT	UNIDIRECTIONAL CURB RAMP
F7	"G2" 66+73.75	21.0' RT	UNIDIRECTIONAL CURB RAMP
F7	"G2" 66+99.31	21.0' LT	UNIDIRECTIONAL CURB RAMP
F7	"G2" 67+09.19	21.0' RT	UNIDIRECTIONAL CURB RAMP
F8	"14THW" 181+73.4	23.1' LT	PARALLEL CURB RAMP
F8	"14THW" 181+75.66	21.1' RT	PARALLEL CURB RAMP
	TOTAL:	33	

609(1) CURB, TYPE I – LINEAR FOOT

SHEET	BEGIN		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F5	"G2" 55+01	RT	"17TH" 137+88	RT	34	PARALLEL CURB RAMP
F5	"17TH" 137+10	LT	"G2" 55+74	LT	34	PARALLEL CURB RAMP
F5	"17TH" 137+90	LT	"G2" 55+82	RT	27	PARALLEL CURB RAMP
F5	"G2" 56+34	LT	"G2" 56+46	LT	17	PARALLEL CURB RAMP
F5	"G2" 59+98	LT	"G2" 60+10	LT	17	PARALLEL CURB RAMP
F6	"G2" 60+99	LT	"16THW" 141+19	RT	12	PARALLEL CURB RAMP
F6	"G2" 61+17	RT	"16THE" 150+37	RT	14	PARALLEL CURB RAMP
F6	"16THW" 141+27	LT	"G2" 61+51	LT	15	PARALLEL CURB RAMP
F6	"G2" 62+30	25.0' RT	"G2" 62+41	30.0' RT	16	CURB CUT W/ BACKING CURB
F6	"G2" 62+62	30.0' RT	"G2" 62+74	25.0' RT	16	CURB CUT W/ BACKING CURB
F6	"G2" 63+38	33.0' RT	"G2" 63+44	25.0' RT	14	CURB CUT W/ BACKING CURB
F6	"G2" 63+75	25.7' RT	"G2" 63+81	32.9' RT	14	CURB CUT W/ BACKING CURB
F8	"14THW" 181+64	RT	"14THW" 181+77	RT	16	PARALLEL CURB RAMP
				TOTAL:	246	

PLANS DEVELOPED BY:
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11/16/2018
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SIDEWALK AND CURBING SUMMARY TABLES
1 OF 2

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	E5	E8

609(2) CURB AND GUTTER, TYPE I – LINEAR FOOT

SHEET	BEGIN		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	"G1" 10+18	43.9' LT	"21stW" 100+52	17.2' RT	350	
F2	"G1" 12+71	15.0' RT	"21stE" 110+44	16.3' RT	73	
F3	"21stW" 100+51	16.4' LT	"20th" 120+01	14.8' RT	465	
F4	"21stE" 110+46	14.9' LT	"G1" 16+57	20.5' RT	332	
F5	"G1" 16+66	0	"G1" 16+87	0	66	
F6	"20th" 120+01	14.8' LT	"G2" 51+05	17.4' RT	727	
F7	"G1" 16+94	20.4' RT	"G1" 19+05	15.0' RT	213	
F8	"G1" 20+04	15.0' RT	"17th" 138+27	18.2' RT	580	
F9	"G2" 51+03	16.2' LT	"17th" 136+39	19.1' RT	481	
F10	"G2" 52+00	0	"G2" 52+22	0	68	
F11	"17th" 136+39	18.4' LT	"16thW" 140+81	18.5' RT	800	
F12	"17th" 138+29	18.7' LT	"16thE" 150+82	22.3' RT	692	
F13	"16thW" 140+85	20.3' LT	"15thW" 160+39	22.2' RT	777	
F14	"16thE" 150+76	21.1' LT	"15thE" 170+45	15.2' RT	645	
F15	"15thW" 162+10	15.2' LT	"14thW" 181+07	17.5' RT	487	
F16	"14thW" 181+40	19.2' LT	"G2" 74+74	23.3' LT	389	
F17	"15thE" 170+45	15.2' LT	"G2" 74+04	30.3' RT	723	
				TOTAL:	7,868	

609(113) TRUCK APRON – LINEAR FOOT

SHEET	BEGIN		END		LENGTH (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F2	"G1" 16+70	0	"G1" 16+83	0	41	TRAFFIC CIRCLE
F4–F5	"G2" 52+05	0	"G2" 52+18	0	41	TRAFFIC CIRCLE
				TOTAL:	82	

SIDEWALK AND CURBING
SUMMARY TABLES
2 OF 2

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
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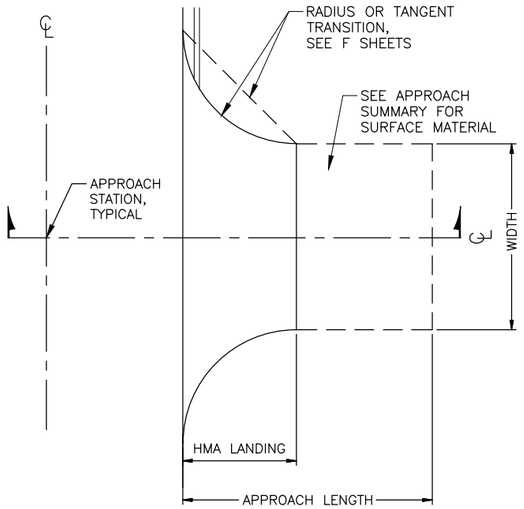
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	E6	E8



APPROACH PLAN
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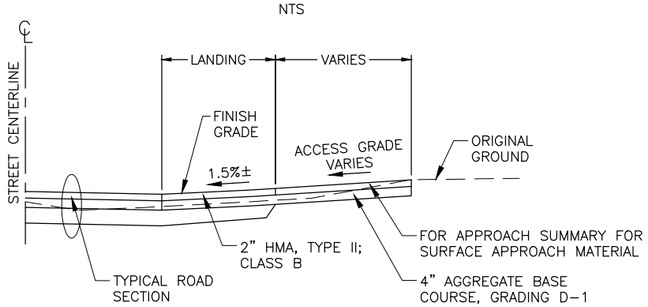

APPROACH SECTION
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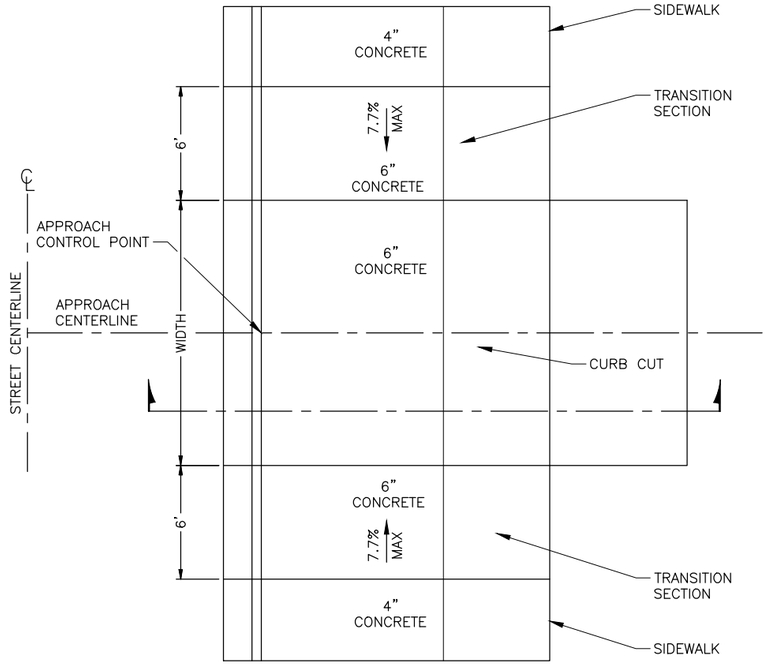
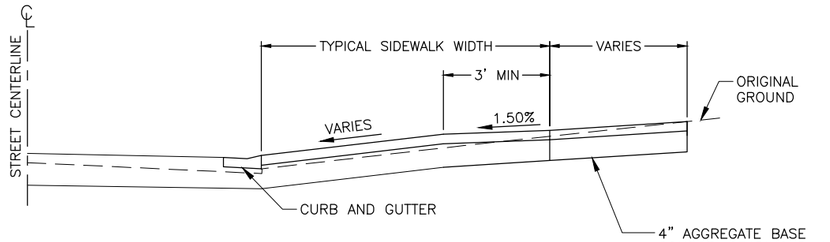


SPECIAL CURB CUT PLAN
NTS



SPECIAL CURB CUT SECTION
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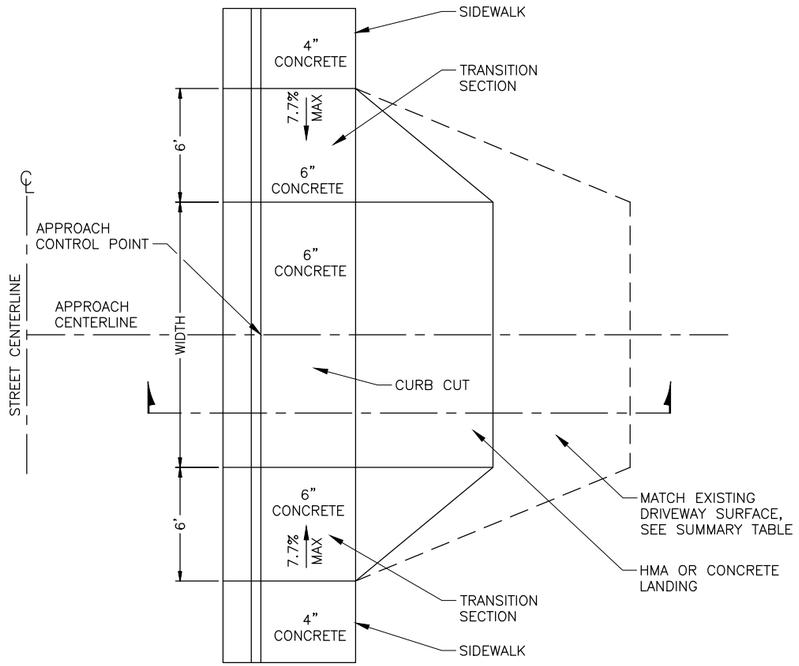

CURB CUT PLAN
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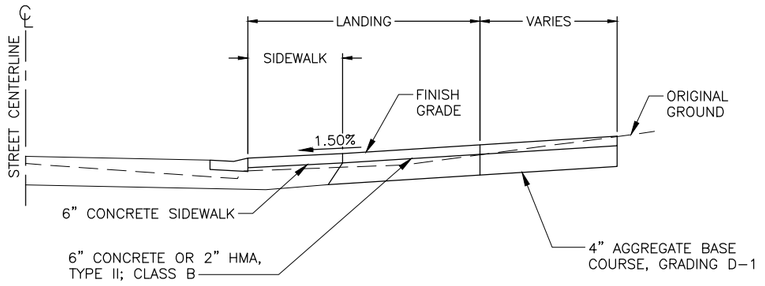

CURB CUT SECTION
NTS

NOTES:

1. SEE ROADWAY TYPICAL SECTION FOR CURB AND GUTTER TYPE.
2. MATERIAL FOR CONSTRUCTION OF APPROACHES IS PAID FOR UNDER THE RESPECTIVE PAY ITEM.
3. WWM STEEL REINFORCEMENT FOR PEDESTRIAN RAMPS AND CURB CUTS SHALL BE 6"x6"-W2.9 WWM. FOR NORMAL SIDEWALK REINFORCEMENT SHALL BE 6"x6"-W1.4XW1.4. ALL STEEL SHALL BE SET ON SPACERS AND PULLED UP AS REQUIRED TO POSITION STEEL 1 1/2" UP FROM BOTTOM OF SIDEWALK.
4. TRANSITION SECTION LENGTHS SHOWN IN PLANS ARE APPROXIMATE. CONSTRUCT TRANSITION SECTIONS AT A NOMINAL 7.7% GRADE OR FLATTER. SLOPES MAY BE INCREASED TO A MAXIMUM 8.3% WHERE SITE CONDITIONS WARRANT.

DRIVEWAY DETAILS

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
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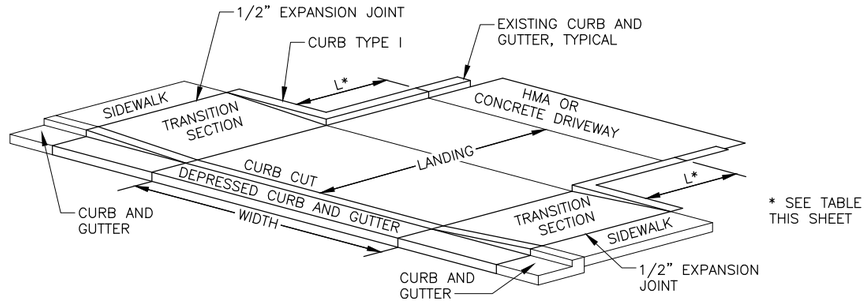
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	E7	E8



CURB CUT W/ BACKING CURB DETAIL

NTS

STATION	OFFSET	* LENGTH (LF)	CURBING	REMARKS
62+51.20	RT	4.33	CURB, TYPE I MODIFIED	CONSTRUCT CURBING ON BOTH SIDES OF DRIVEWAY, SEE SHEET F6
63+29.63	RT	8	CURB, TYPE I	CONSTRUCT CURBING ON NORTH SIDE OF DRIVEWAY, SEE SHEET F6
63+86.96	RT	8	CURB, TYPE I	CONSTRUCT CURBING ON SOUTH SIDE OF DRIVEWAY, SEE SHEET F6

DRIVEWAY DETAILS

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	E8	E8

639(102) DRIVEWAY SUMMARY

ALIGNMENT	STATION	OFFSET	DRIVEWAY DETAIL	WIDTH (FT)	LANDING LENGTH (FT)	DRIVEWAY SURFACE	REMARKS
G1	10+68.58	RT	APPROACH	20	8	GRAVEL	4-PLEX; 2113 GILLAM WAY
G1	10+92.19	LT	SPECIAL CURB CUT	26	6	GRAVEL	PRIVATE RESIDENCE; 2174 GILLAM WAY
G1	11+28.58	RT	APPROACH	20	8	GRAVEL	4-PLEX; 2111 GILLAM WAY
G1	12+07.22	LT	CURB CUT	20	10	GRAVEL	PRIVATE RESIDENCE; 1103 21ST AVE
G1	12+86.40	RT	APPROACH	26.7	6	GRAVEL	PRIVATE RESIDENCE; 2103 GILLAM WAY
G1	14+36.14	LT	CURB CUT	14	6	HMA	PRIVATE RESIDENCE; 1104 21ST AVE
G1	15+62.85	LT	CURB CUT	14	10	HMA	PRIVATE RESIDENCE; 2008 GILLAM WAY
G1	16+09.55	RT	APPROACH W/ ROLLED CURB	12	12	GRAVEL	STORMWATER RETENTION M&O ACCESS
G1	16+30.63	LT	CURB CUT	14	6	GRAVEL	PRIVATE RESIDENCE; 2008 GILLAM WAY
G1	16+75.52	RT	APPROACH	24	30	GRAVEL	FMH HOSPICE
20TH	120+52.50	RT	APPROACH W/ ROLLED CURB	14	7	GRAVEL	PRIVATE RESIDENCE; 2008 GILLAM WAY
G1	18+46.67	LT	CURB CUT	14	10	GRAVEL	PRIVATE RESIDENCE; 1908 GILLAM WAY
G1	19+23.30	LT	CURB CUT	24	13	GRAVEL	FMH WAREHOUSE/GARAGE
G1	19+71.50	LT	CURB CUT	24	13	GRAVEL	FMH WAREHOUSE/GARAGE
G1	20+18.30	LT	CURB CUT	24	13	GRAVEL	FMH WAREHOUSE/GARAGE
G2	51+52.95	RT	APPROACH W/ ROLLED CURB	20	15	GRAVEL	PRIVATE RESIDENCE; 1121 19TH AVE
G2	54+32.20	RT	SPECIAL CURB CUT	34	10	HMA	FMH SLEEP CLINIC
G2	56+33.08	RT	SPECIAL CURB CUT	24	10	GRAVEL	6-PLEX; 928 17TH AVE
G2	56+90.00	RT	SPECIAL CURB CUT	24	8	HMA	4-PLEX; 1641 GILLAM WAY
G2	57+27.22	RT	SPECIAL CURB CUT	14	10	GRAVEL	PRIVATE RESIDENCE; 1637 GILLAM WAY
G2	57+80.95	RT	SPECIAL CURB CUT	24	10	GRAVEL	PRIVATE RESIDENCE; 1635 GILLAM WAY
G2	59+36.46	RT	SPECIAL CURB CUT	24	10	GRAVEL	6-PLEX; 1615 GILLAM WAY
G2	59+79.56	RT	SPECIAL CURB CUT	14	10	HMA	PRIVATE RESIDENCE; 1613 GILLAM WAY
G2	60+26.03	RT	SPECIAL CURB CUT	14	10	GRAVEL	PRIVATE RESIDENCE; 1635 GILLAM WAY
G2	62+42.67	LT	CURB CUT	14	10	GRAVEL	PRIVATE RESIDENCE; 1607 GILLAM WAY
G2	62+51.20	RT	CURB CUT W/ BACKING CURB	22	10	HMA	CONDOS
G2	63+29.63	RT	CURB CUT W/ BACKING CURB	14	10	HMA	DAVID STEPHENSON CPA
G2	63+86.96	RT	CURB CUT W/ BACKING CURB	14	10	HMA	DAVID STEPHENSON CPA
G2	63+96.61	LT	CURB CUT	24	10	HMA	ALASKA HOUSING BIRCH PARK II
G2	64+34	RT	SPECIAL CURB CUT	40	8	GRAVEL	PRIVATE RESIDENCE; 1523 GILLAM WAY
G2	65+17.84	RT	CURB CUT	26	8	GRAVEL	SHARED ACCESS; 1517 & 1513 GILLAM WAY
G2	66+11.53	RT	SPECIAL CURB CUT	14	10	HMA	PRIVATE RESIDENCE; 1507 GILLAM WAY
G2	66+14.53	LT	SPECIAL CURB CUT	24	10	CONCRETE	MARTHA HANLON ARCHITECTS
G2	66+39.00	RT	SPECIAL CURB CUT	14	10	CONCRETE	PRIVATE RESIDENCE; 929 15TH AVE
15TH	160+67.00	RT	CURB CUT	14	10	HMA	MARTHA HANLON ARCHITECTS
15TH	161+11.28	LT	APPROACH	14	10	GRAVEL	3-PLEX; 1466 GILLAM WAY
G2	67+83.33	LT	CURB CUT	41.2	8	CONCRETE	3-PLEX; 1466 GILLAM WAY
G2	68+44	LT	CURB CUT	14	10	GRAVEL	PRIVATE RESIDENCE; 1458 GILLAM WAY
G2	68+57.45	RT	CURB CUT	14	10	GRAVEL	PRIVATE RESIDENCE; 1458 GILLAM WAY
G2	68+74	LT	CURB CUT	14	10	GRAVEL	PRIVATE RESIDENCE; 1458 GILLAM WAY
G2	69+06.30	RT	CURB CUT	24	10	GRAVEL	GREATER FAIRBANKS BOARD OF REALTORS
G2	69+19.07	LT	CURB CUT	20	10	HMA	3-PLEX; 1428 GILLAM WAY
G2	69+66.26	RT	CURB CUT	24	10	GRAVEL	GREATER FAIRBANKS BOARD OF REALTORS
G2	70+24.23	LT	CURB CUT	24	10	GRAVEL	BOY SCOUTS
G2	70+30.88	RT	SPECIAL CURB CUT	24	10	GRAVEL	JACKIES HAIR AFFAIR
G2	70+89.43	RT	CURB CUT	20	9.5	GRAVEL	HANK BARTOS REALTY
G2	71+44.85	RT	CURB CUT	20	9	GRAVEL	HANK BARTOS REALTY
G2	72+00.76	RT	SPECIAL CURB CUT	20	9	HMA	HANK BARTOS REALTY
G2	72+33.86	LT	SPECIAL CURB CUT	24	10	HMA	WARWICK AND SCHIKORA ACCOUNTING
G2	72+39.43	RT	CURB CUT	24	6	HMA	SPIRIT OF ALASKA FCU STRIP MALL
G2	73+15.52	RT	CURB CUT	24	6	HMA	SPIRIT OF ALASKA FCU STRIP MALL
G2	73+32.07	LT	SPECIAL CURB CUT	24	9	GRAVEL	DICE PAWN SHOP
G3	74+61.50	LT	SPECIAL CURB CUT	12	9	GRAVEL	DICE PAWN SHOP

DRIVEWAY SUMMARY TABLE

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STATE OF ALASKA
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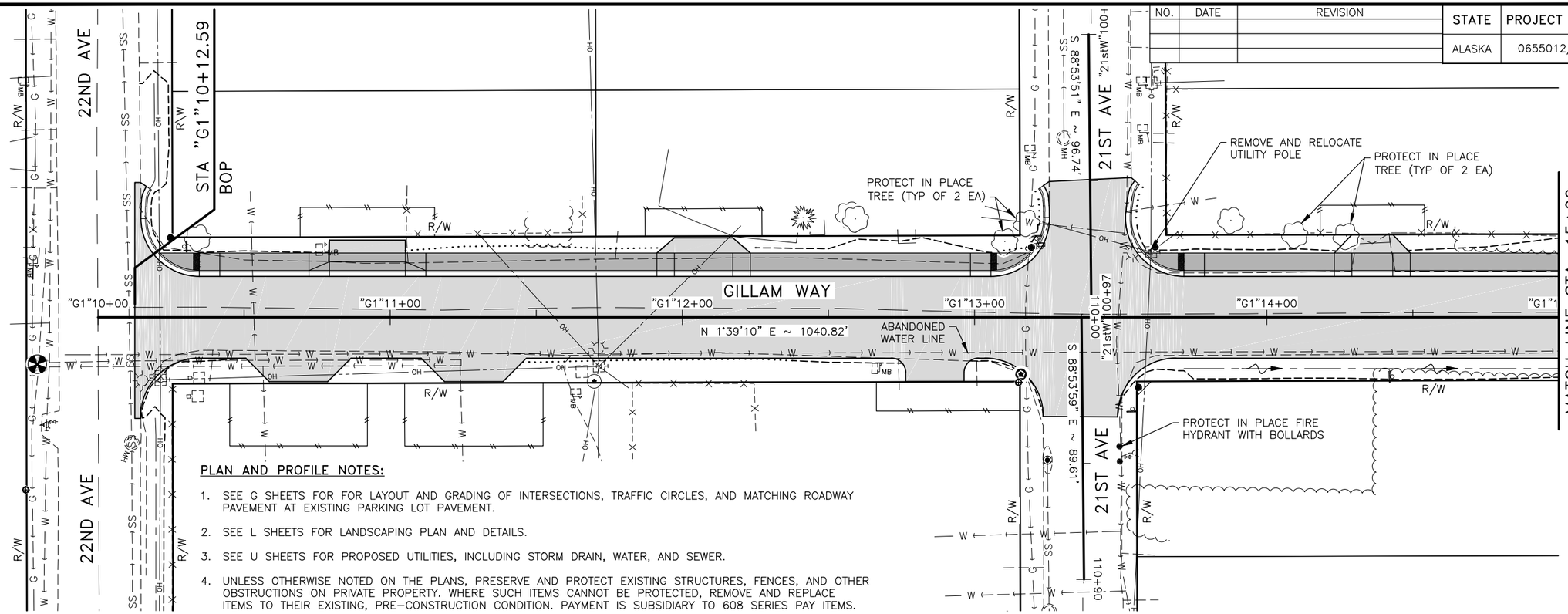
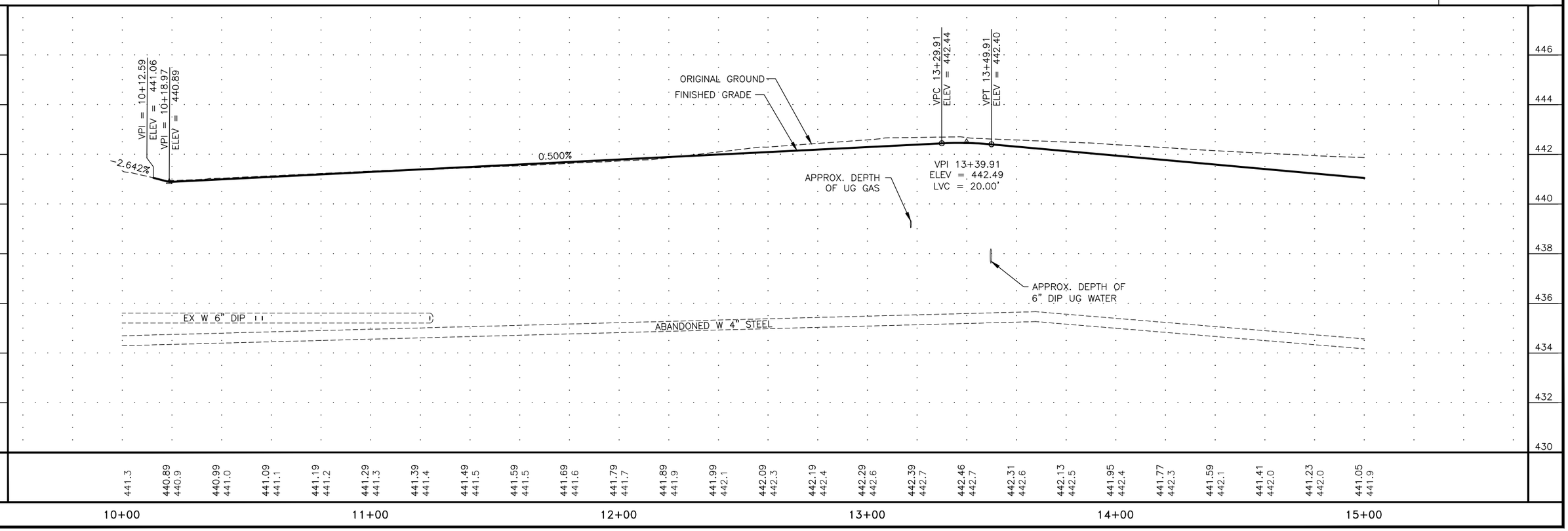
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F1	F10



PLAN AND PROFILE NOTES:

1. SEE G SHEETS FOR FOR LAYOUT AND GRADING OF INTERSECTIONS, TRAFFIC CIRCLES, AND MATCHING ROADWAY PAVEMENT AT EXISTING PARKING LOT PAVEMENT.
2. SEE L SHEETS FOR LANDSCAPING PLAN AND DETAILS.
3. SEE U SHEETS FOR PROPOSED UTILITIES, INCLUDING STORM DRAIN, WATER, AND SEWER.
4. UNLESS OTHERWISE NOTED ON THE PLANS, PRESERVE AND PROTECT EXISTING STRUCTURES, FENCES, AND OTHER OBSTRUCTIONS ON PRIVATE PROPERTY. WHERE SUCH ITEMS CANNOT BE PROTECTED, REMOVE AND REPLACE ITEMS TO THEIR EXISTING, PRE-CONSTRUCTION CONDITION. PAYMENT IS SUBSIDIARY TO 608 SERIES PAY ITEMS.



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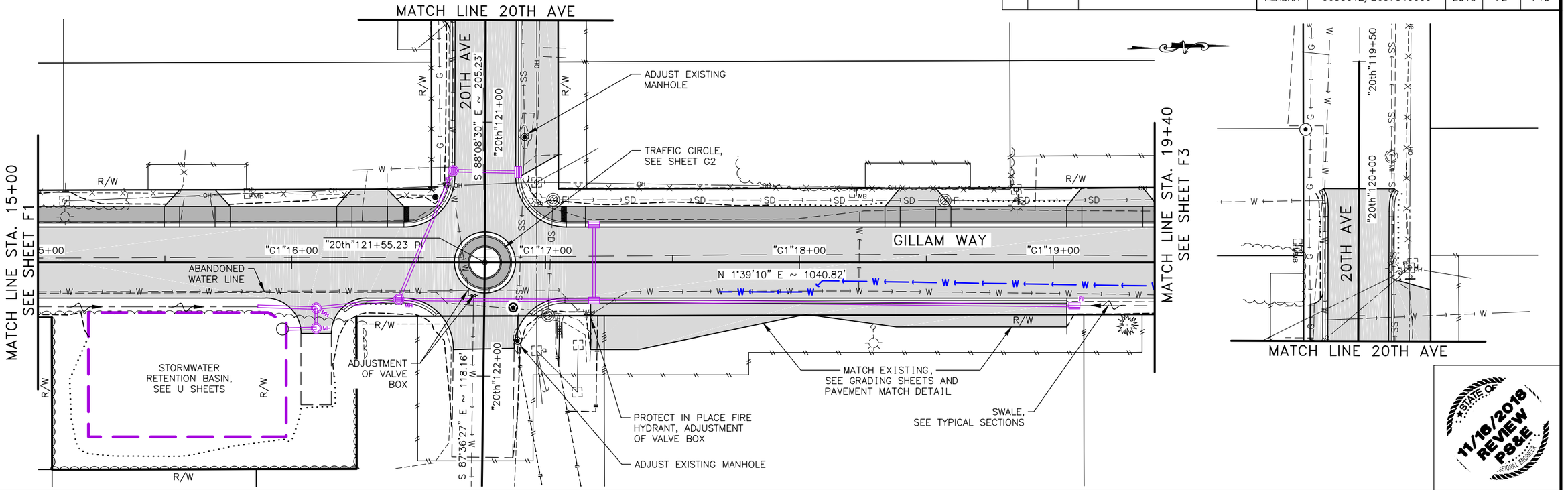

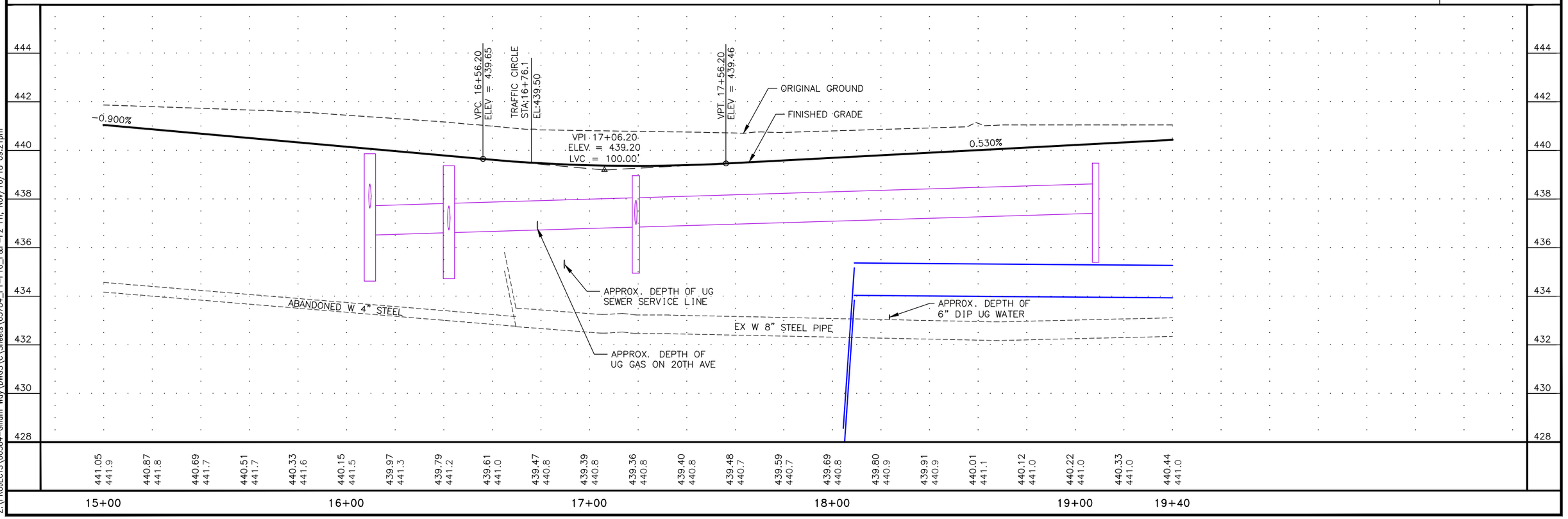

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NO.	DATE	REVISION

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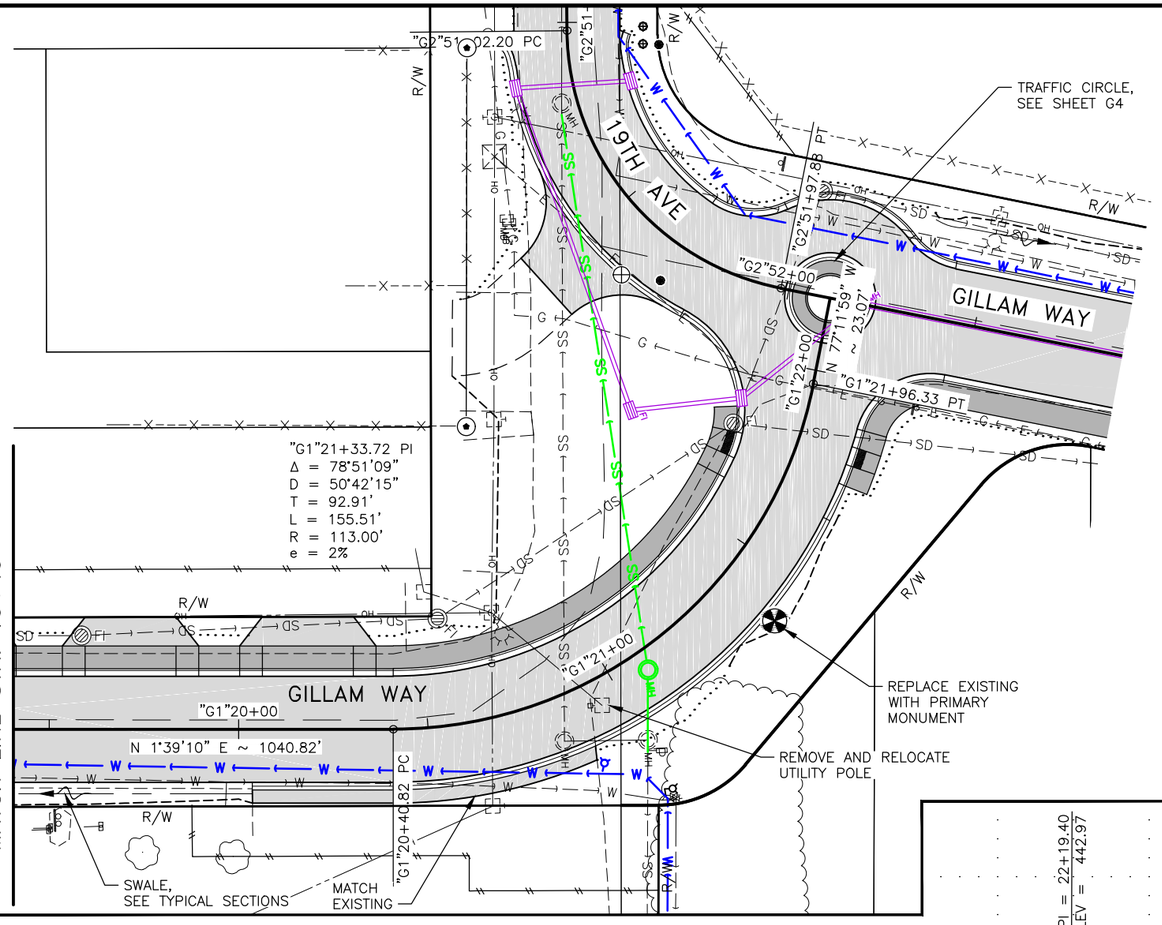

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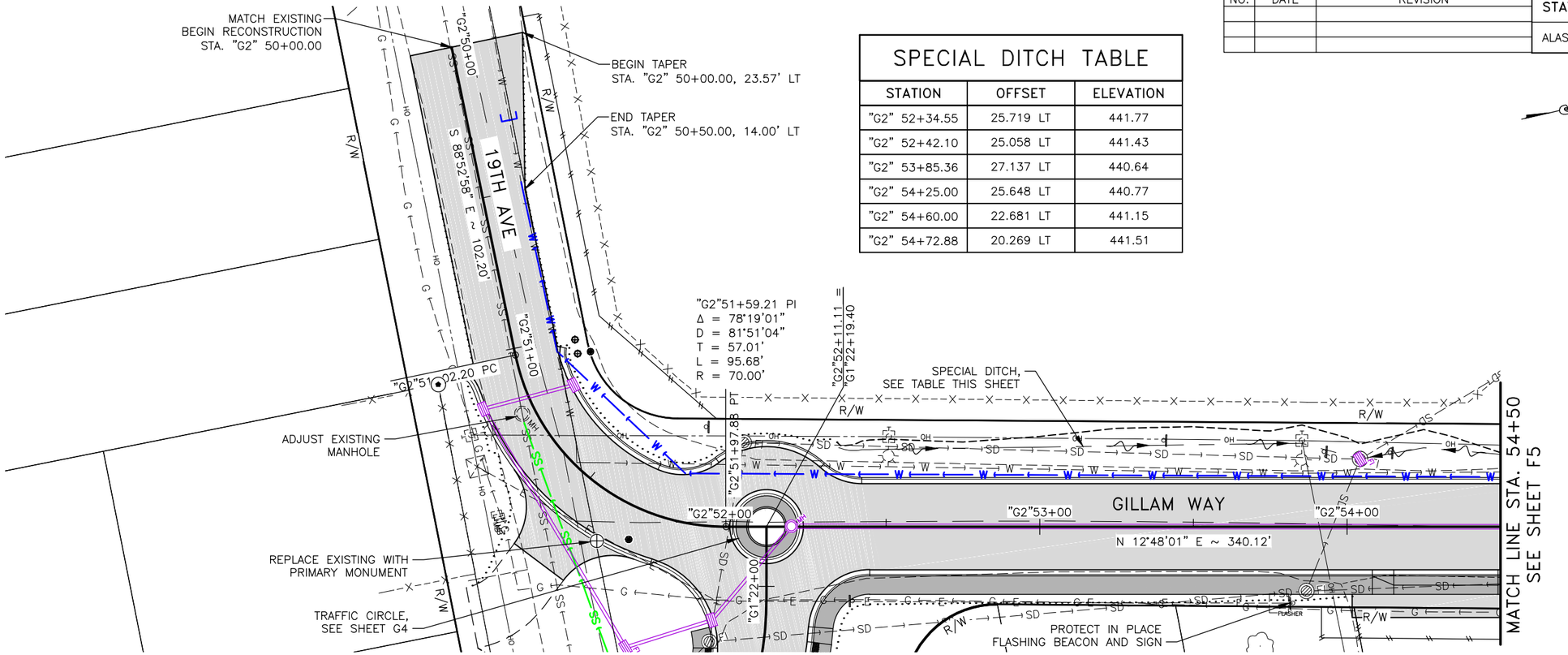
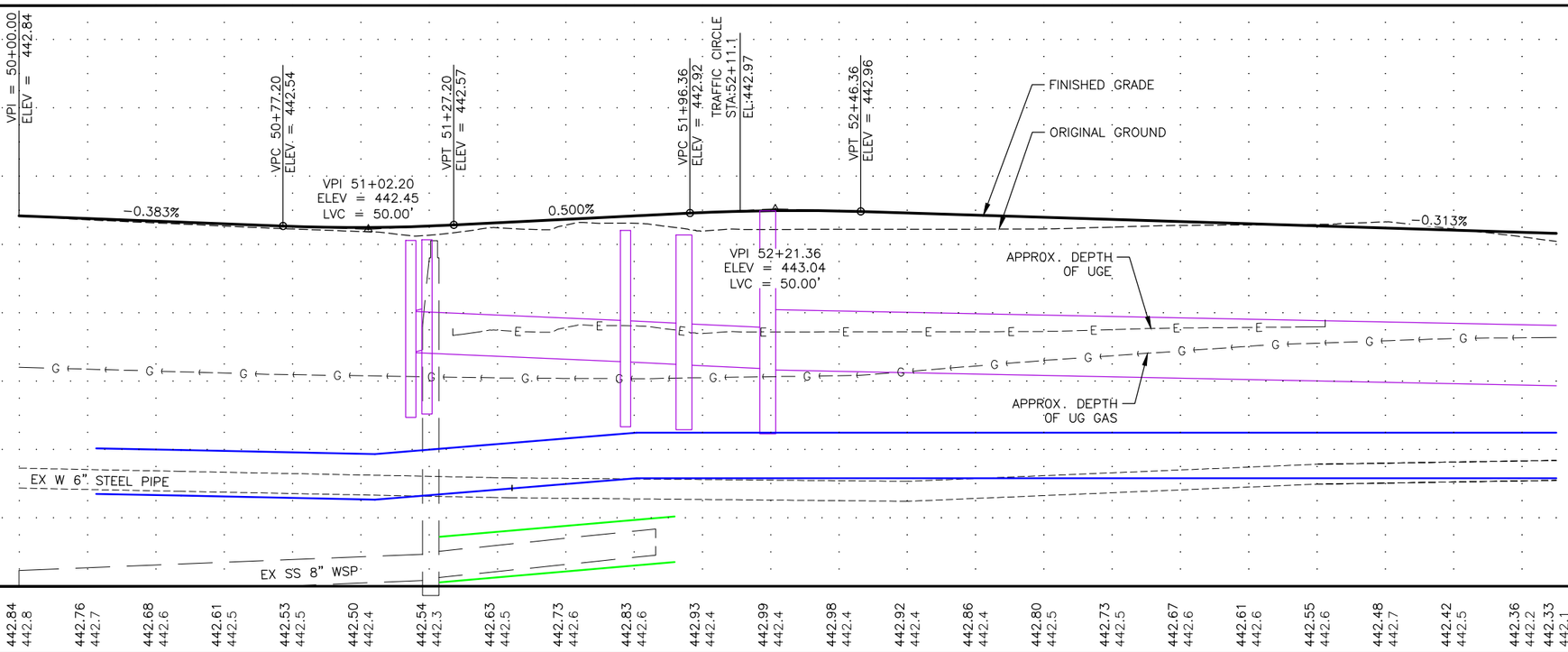
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F4	F10

SPECIAL DITCH TABLE

STATION	OFFSET	ELEVATION
"G2" 52+34.55	25.719 LT	441.77
"G2" 52+42.10	25.058 LT	441.43
"G2" 53+85.36	27.137 LT	440.64
"G2" 54+25.00	25.648 LT	440.77
"G2" 54+60.00	22.681 LT	441.15
"G2" 54+72.88	20.269 LT	441.51





STATE OF ALASKA
11/16/2018
REVIEW
P&E
REGIONAL ENGINEER

NO.	DATE	REVISION

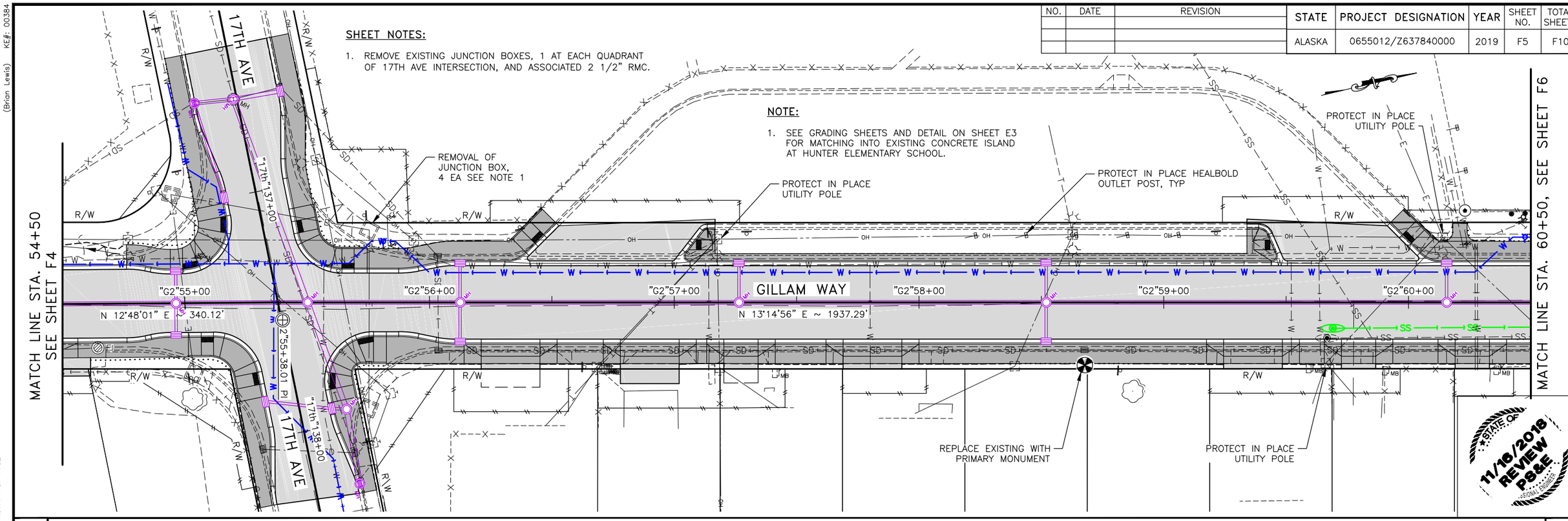
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F5	F10

SHEET NOTES:

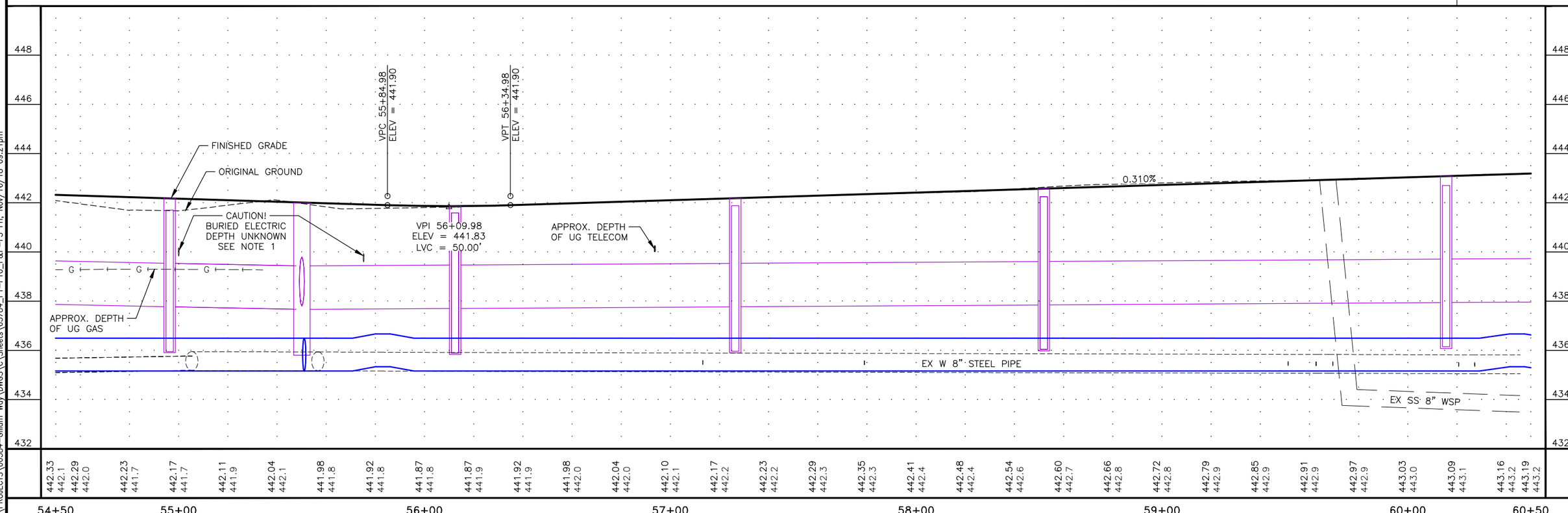
1. REMOVE EXISTING JUNCTION BOXES, 1 AT EACH QUADRANT OF 17TH AVE INTERSECTION, AND ASSOCIATED 2 1/2" RMC.

NOTE:

1. SEE GRADING SHEETS AND DETAIL ON SHEET E3 FOR MATCHING INTO EXISTING CONCRETE ISLAND AT HUNTER ELEMENTARY SCHOOL.



STATE OF ALASKA 11/16/2018 REVIEW PS&E PROFESSIONAL ENGINEER

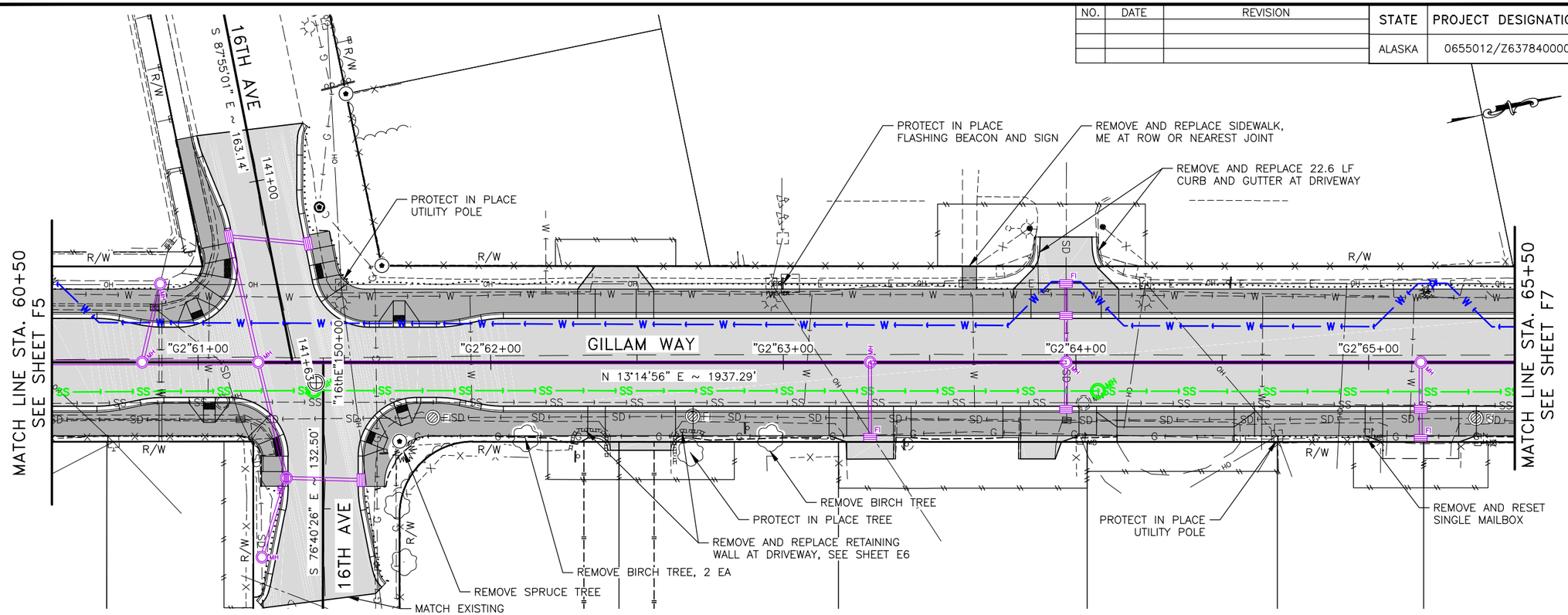


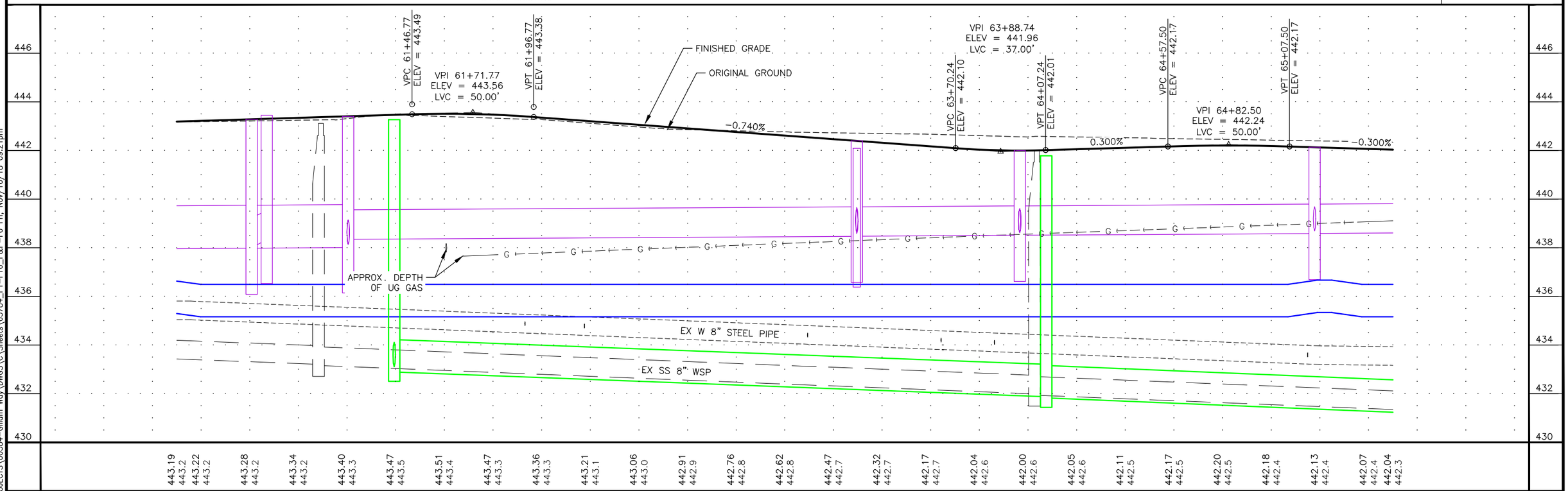
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_F1-F10_P&P-F5 Fri, Nov/16/18 09:21pm (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F6	F10

(Brian Lewis) KE#: 00384





STATE OF ALASKA
11/16/2018
REVIEW
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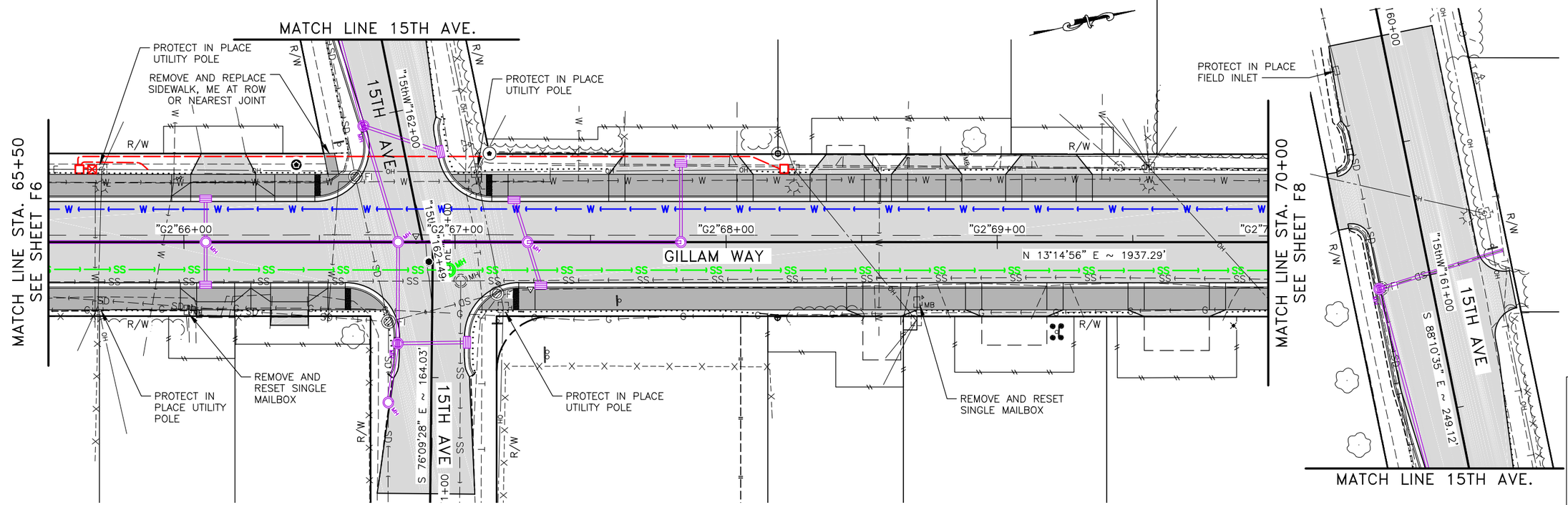
REGIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_F1-F10_P&P-F6 Fri, Nov/16/18 09:21pm

NO.	DATE	REVISION

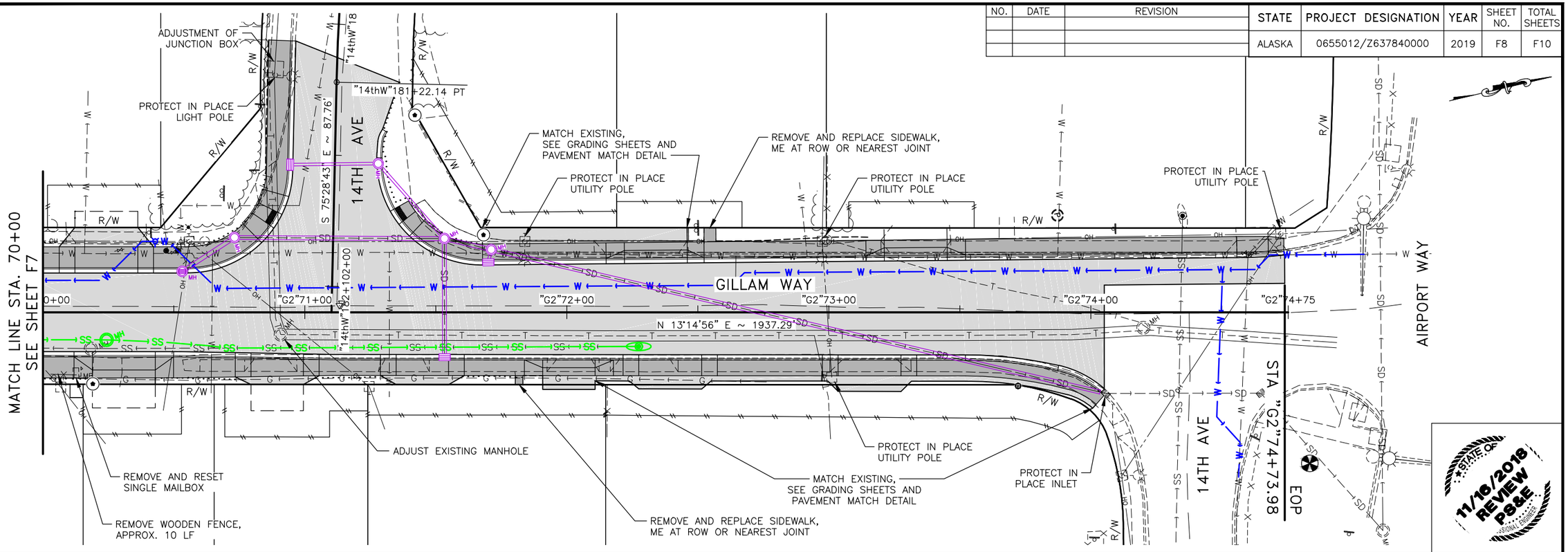
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F7	F10



PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_F1-F10_P&P-F7 Fri, Nov/16/18 09:22pm
(Brian Lewis) KE#: 00384

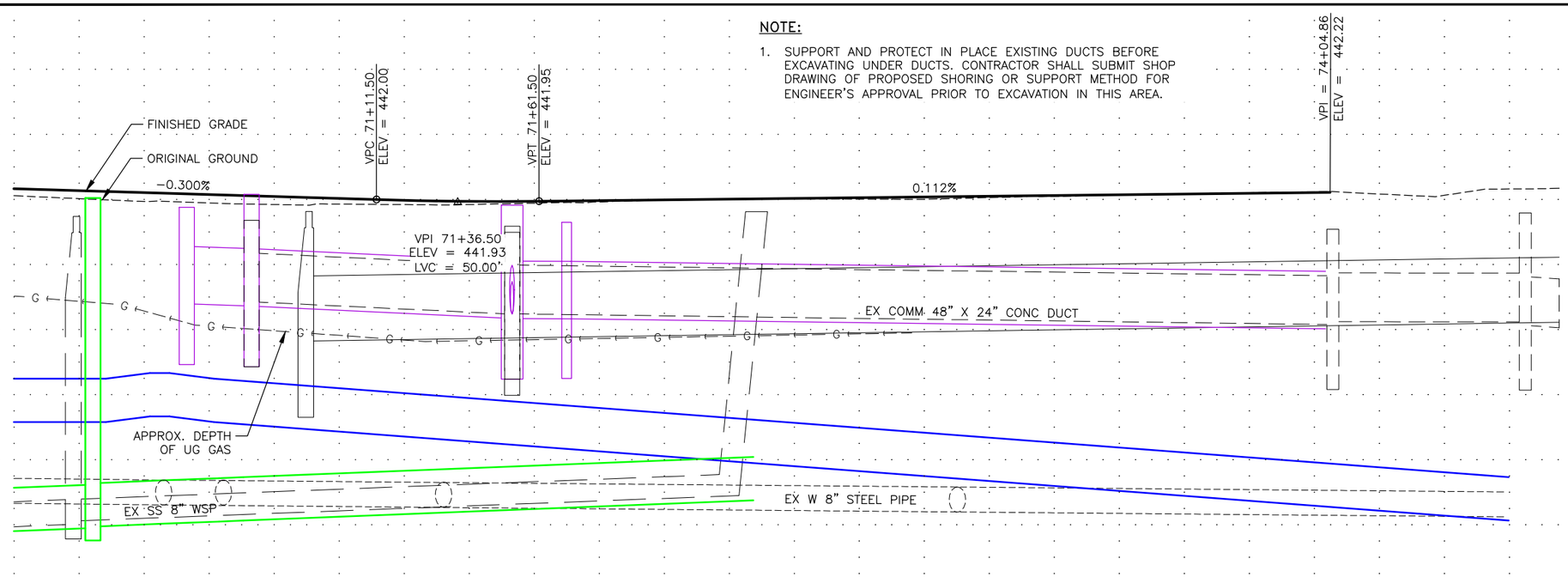
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F8	F10



NOTE:

1. SUPPORT AND PROTECT IN PLACE EXISTING DUCTS BEFORE EXCAVATING UNDER DUCTS. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF PROPOSED SHORING OR SUPPORT METHOD FOR ENGINEER'S APPROVAL PRIOR TO EXCAVATION IN THIS AREA.



PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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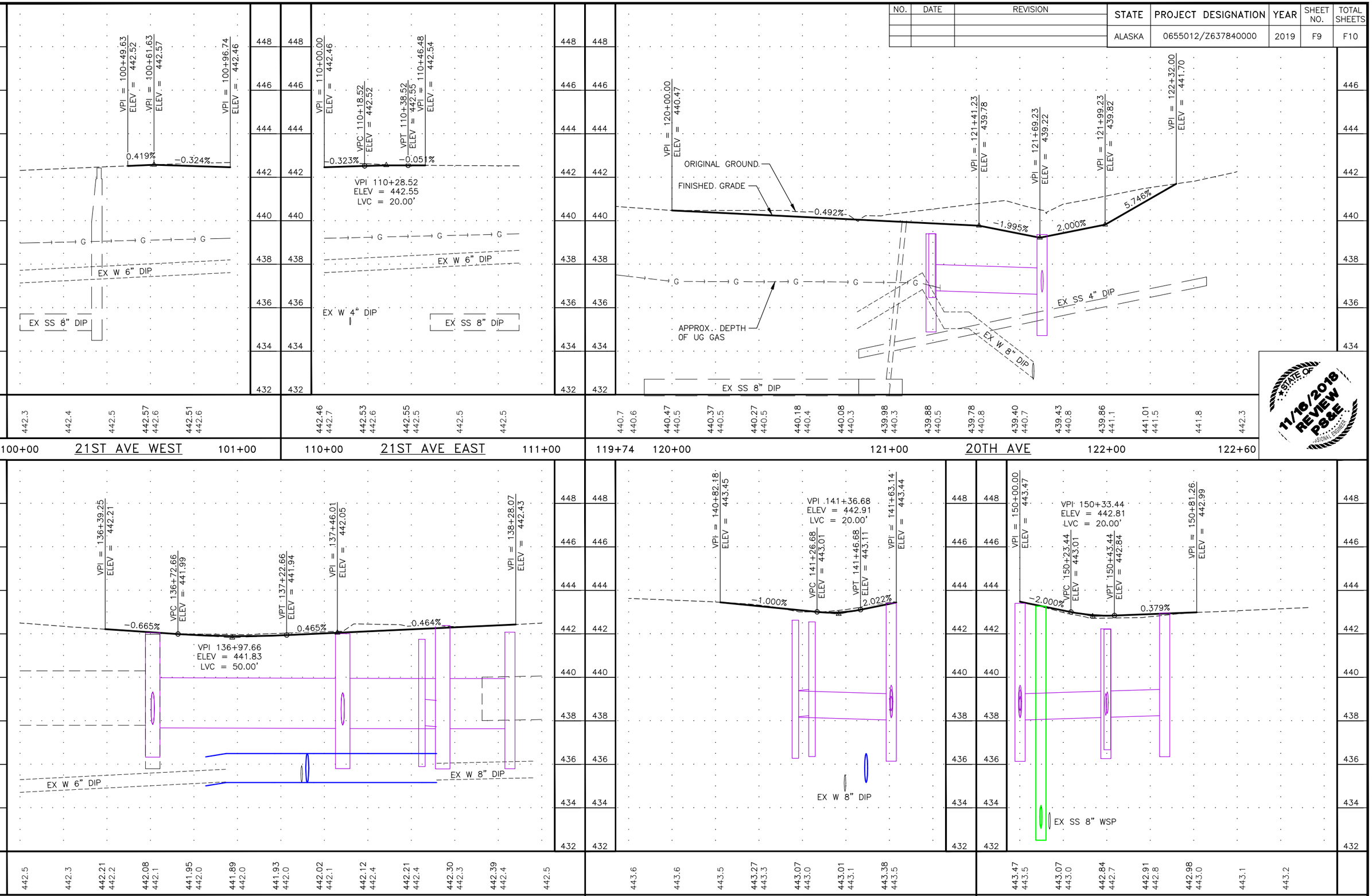
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F9	F10



STATE OF ALASKA
11/16/2018
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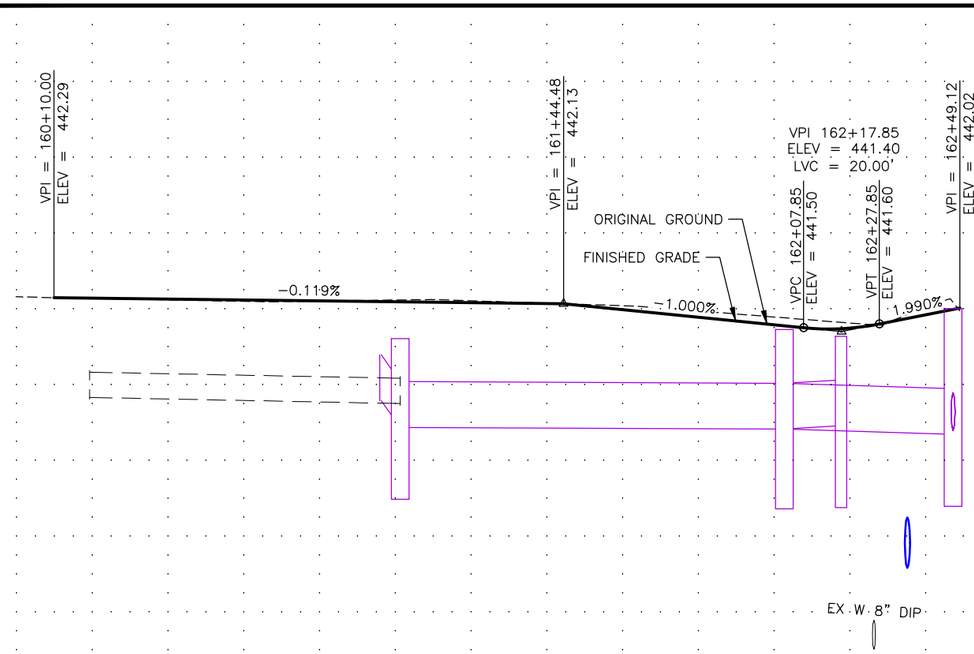
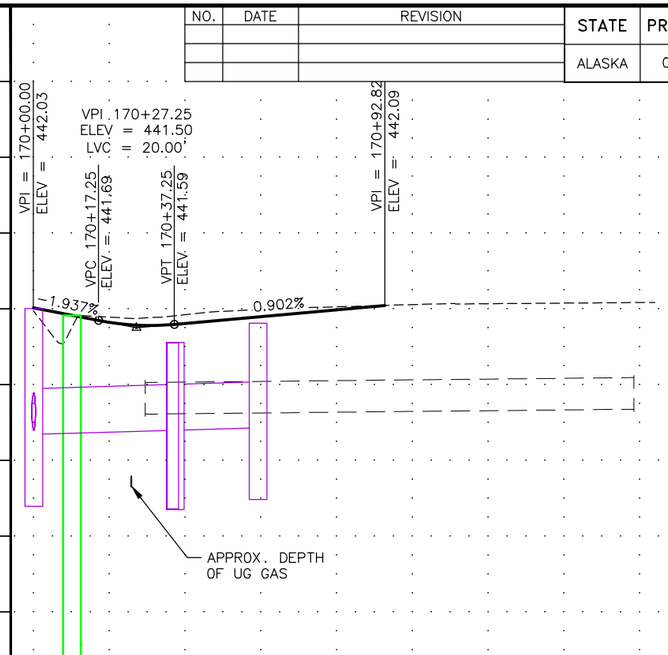
REGIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_F1-F10_P&P-F9 Fri, Nov/16/18 09:22pm (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	F10	F10



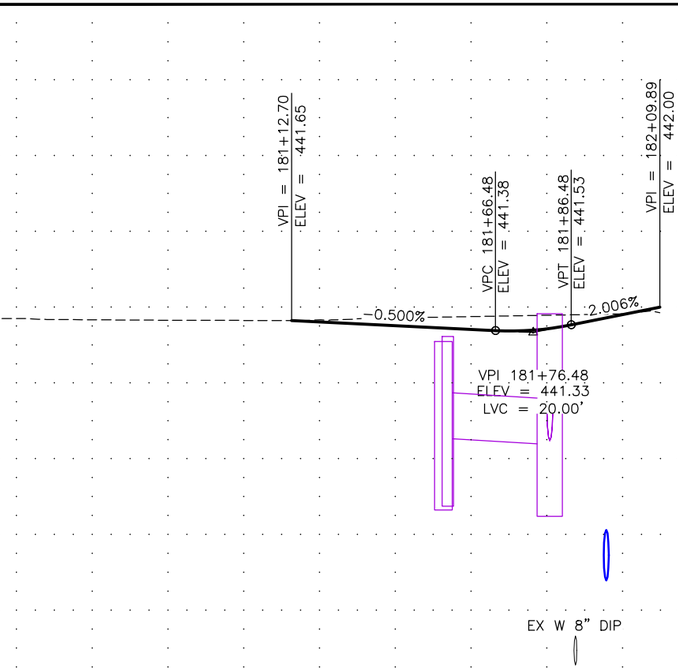


442.3 442.28 442.26 442.23 442.21 442.18 442.16 442.14 441.98 441.78 441.58 441.49 441.84
442.3 442.3 442.2 442.2 442.2 442.2 442.2 442.1 442.1 441.9 441.8 441.6 442.0

159+60 160+00 161+00 15TH AVE WEST 162+00 162+80

442.03 441.64 441.61 441.79 441.97 442.1 442.1 442.1 442.2
441.9 441.8 441.8 442.0 442.1

170+00 171+00 15TH AVE EAST 172+00



441.7 441.7 441.7 441.7 441.7 441.7 441.62 441.7 441.52 441.7 441.42 441.8 441.43 441.8 441.81 441.8

180+00 181+00 14TH AVE EAST 182+00 183+00 184+00 185+00 186+00

STATE OF ALASKA
11/16/2018
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REGIONAL ENGINEER

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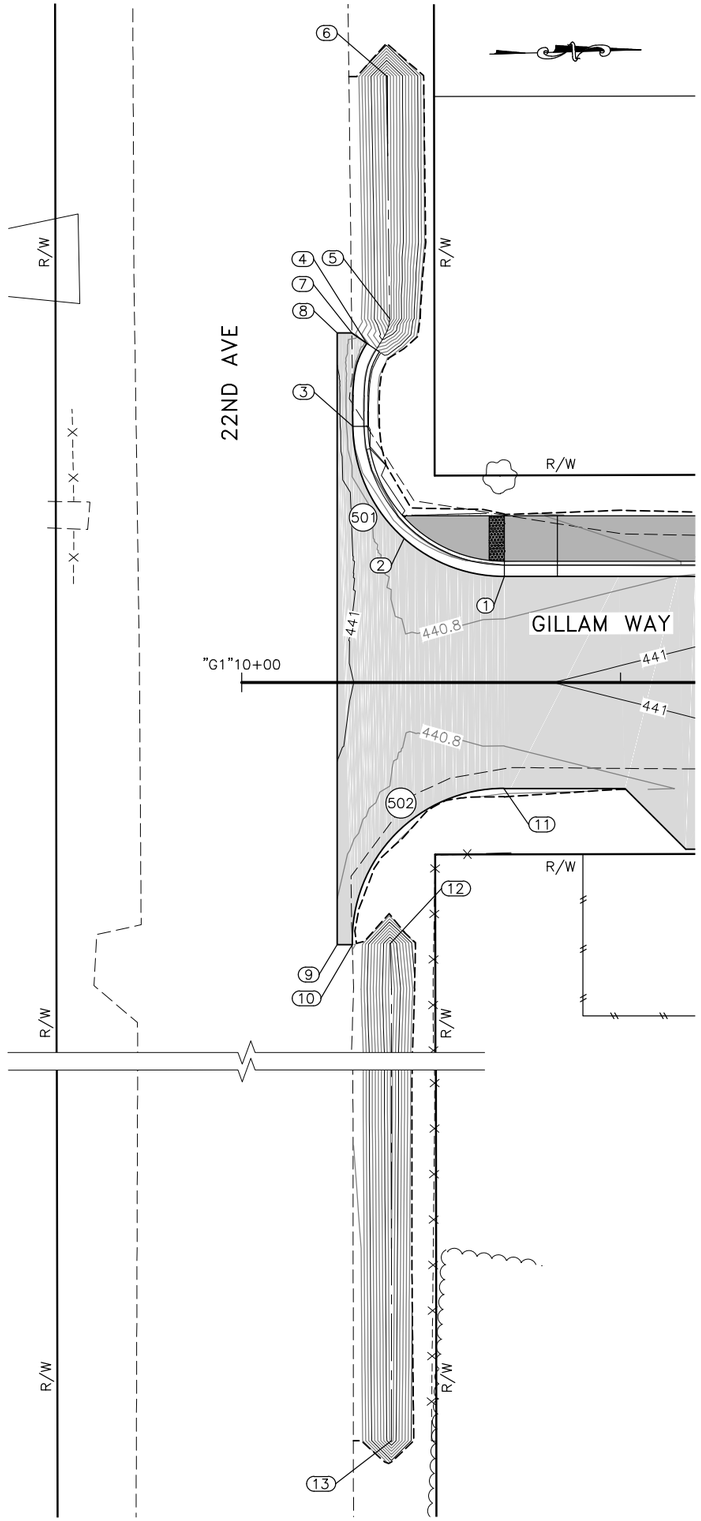
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G1	G10

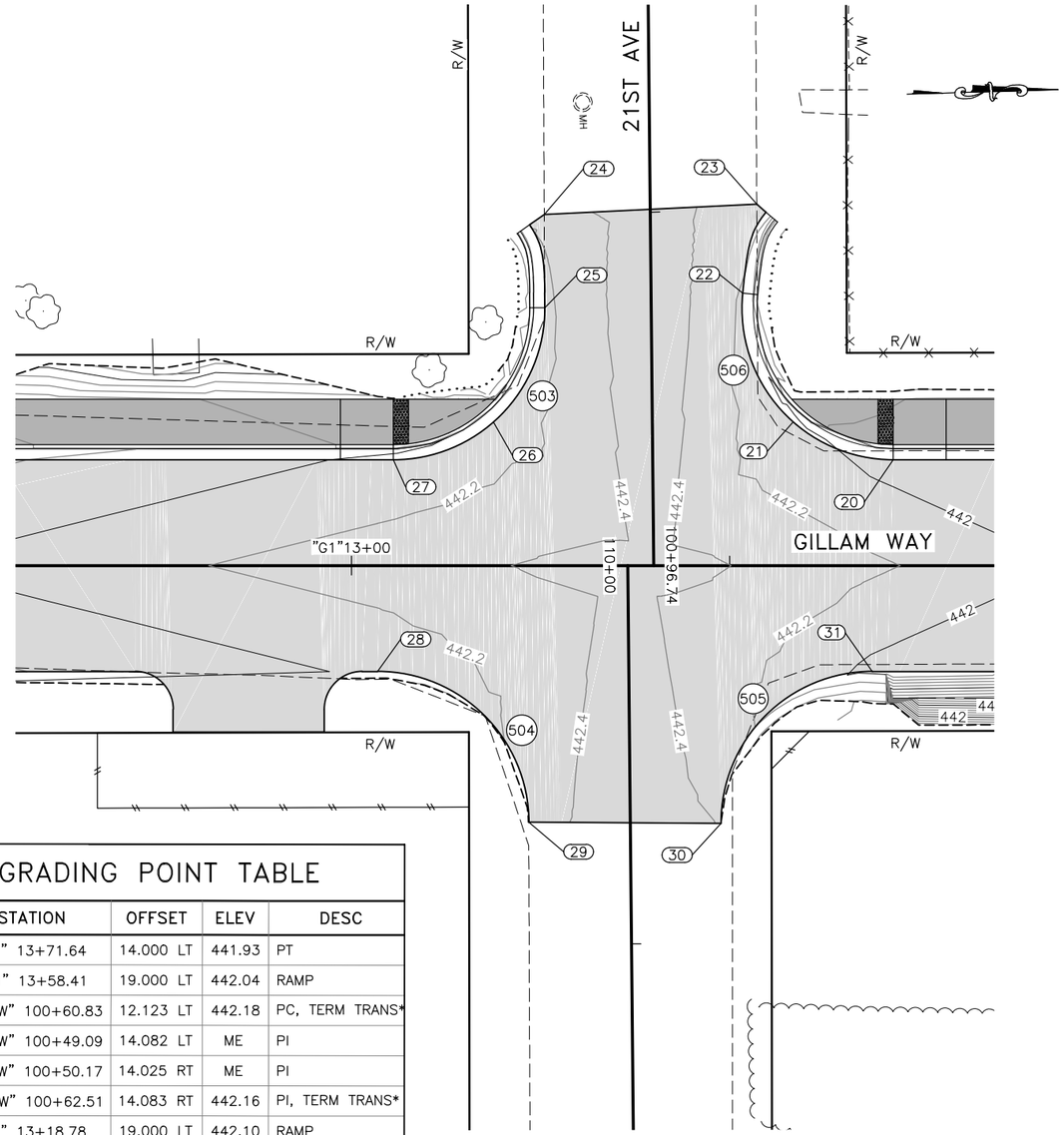


GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
1	"G1" 10+34.67	14.000 LT	440.69	PT
2	"G1" 10+21.44	19.000 LT	440.64	RAMP
3	"G1" 10+14.67	33.773 LT	440.59	PC, TERM TRANS*
4	"G1" 10+16.51	44.754 LT	440.56	PI
5	"G1" 10+19.52	47.985 LT	439.05	DB
6	"G1" 10+19.15	79.987 LT	438.96	DB
7	"G1" 10+14.53	46.107 LT	ME	PI
8	"G1" 10+12.59	46.107 LT	ME	PI
9	"G1" 10+12.59	34.599 RT	ME	PI
10	"G1" 10+14.59	34.599 RT	ME	PC
11	"G1" 10+34.58	14.000 RT	440.69	PT
12	"G1" 10+19.58	34.449 RT	438.57	DB
13	"G1" 10+19.76	131.710 RT	438.69	DB

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
501	"G1" 10+34.67	34.000 LT	20
502	"G1" 10+34.58	34.000 RT	20
503	"G1" 13+05.55	34.000 LT	20
504	"G1" 13+03.43	34.000 RT	20
505	"G1" 13+68.87	34.000 RT	20
506	"G1" 13+71.64	34.000 LT	20



GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
20	"G1" 13+71.64	14.000 LT	441.93	PT
21	"G1" 13+58.41	19.000 LT	442.04	RAMP
22	"21stW" 100+60.83	12.123 LT	442.18	PC, TERM TRANS*
23	"21stW" 100+49.09	14.082 LT	ME	PI
24	"21stW" 100+50.17	14.025 RT	ME	PI
25	"21stW" 100+62.51	14.083 RT	442.16	PI, TERM TRANS*
26	"G1" 13+18.78	19.000 LT	442.10	RAMP
27	"G1" 13+05.55	14.000 LT	442.04	PC
28	"G1" 13+03.43	14.000 RT	442.03	PC
29	"21stE" 110+33.78	13.440 RT	ME	PT
30	"21stE" 110+34.19	12.000 LT	ME	PC
31	"G1" 13+68.87	14.000 RT	441.95	PT

*CURB & GUTTER TERMINATION TRANSITION INSTALLATION POINT, SEE SHEET E2 FOR DETAIL.

22ND AVE & 21ST AVE GRADING PLAN

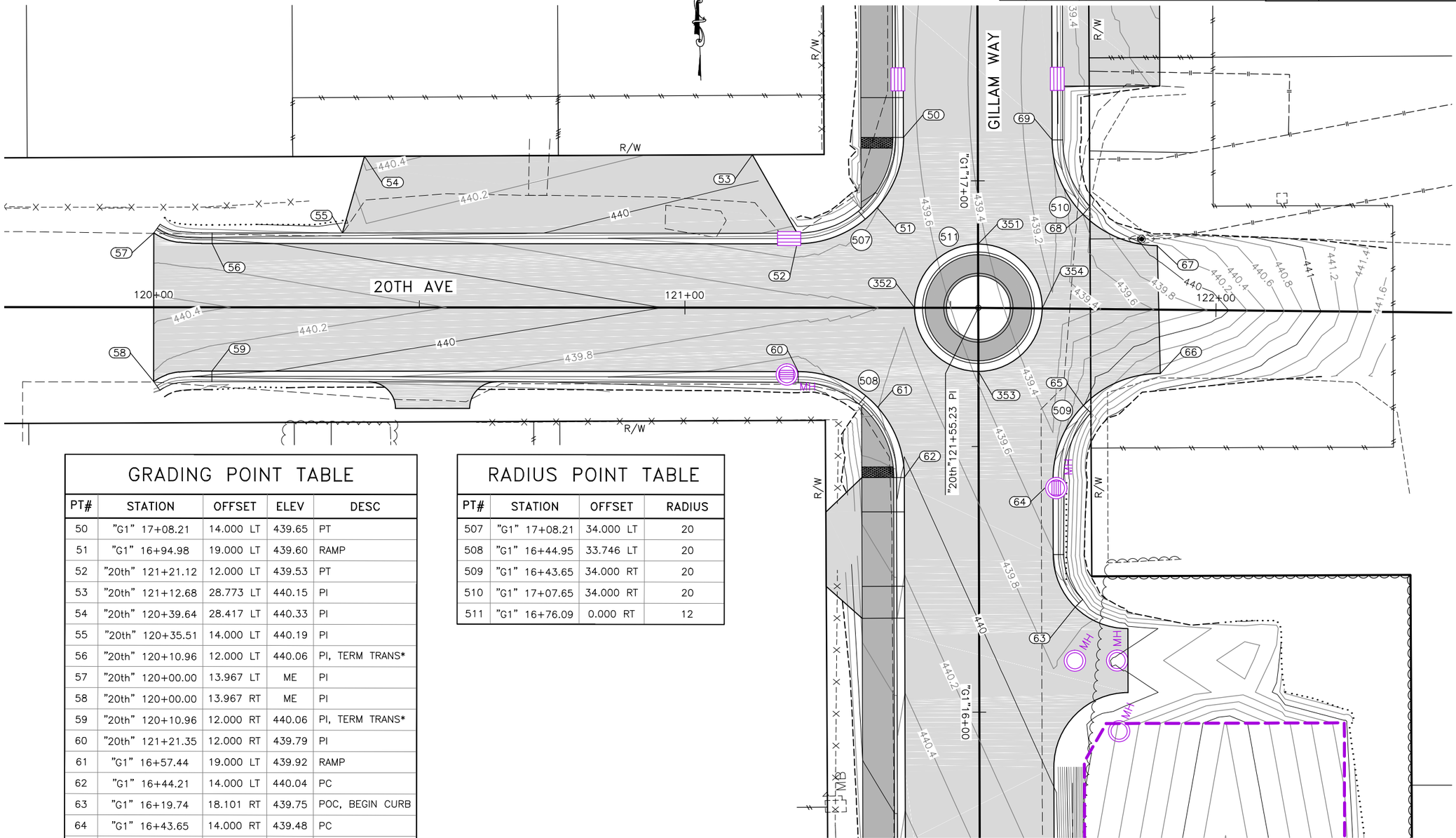
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_G1-G10_INTSEC.DWG PLOTTED: Nov 16, 2018 - 9:23:11 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G2	G10



GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
50	"G1" 17+08.21	14.000 LT	439.65	PT
51	"G1" 16+94.98	19.000 LT	439.60	RAMP
52	"20th" 121+21.12	12.000 LT	439.53	PT
53	"20th" 121+12.68	28.773 LT	440.15	PI
54	"20th" 120+39.64	28.417 LT	440.33	PI
55	"20th" 120+35.51	14.000 LT	440.19	PI
56	"20th" 120+10.96	12.000 LT	440.06	PI, TERM TRANS*
57	"20th" 120+00.00	13.967 LT	ME	PI
58	"20th" 120+00.00	13.967 RT	ME	PI
59	"20th" 120+10.96	12.000 RT	440.06	PI, TERM TRANS*
60	"20th" 121+21.35	12.000 RT	439.79	PI
61	"G1" 16+57.44	19.000 LT	439.92	RAMP
62	"G1" 16+44.21	14.000 LT	440.04	PC
63	"G1" 16+19.74	18.101 RT	439.75	POC, BEGIN CURB
64	"G1" 16+43.65	14.000 RT	439.48	PC
65	"G1" 16+57.67	19.739 RT	439.99	POC, END CURB
66	"20th" 121+89.65	12.000 RT	440.52	PT
67	"20th" 121+88.82	12.000 LT	440.11	PC
68	"G1" 16+93.60	19.767 RT	439.60	POC, BEGIN CURB
69	"G1" 17+07.65	14.000 RT	439.09	PT
351	"G1" 16+88.09	0.000 RT	439.43	POC
352	"G1" 16+76.13	12.000 LT	439.74	POC
353	"G1" 16+64.09	0.000 RT	439.58	POC
354	"G1" 16+75.93	11.999 RT	439.26	POC

*CURB & GUTTER TERMINATION TRANSITION INSTALLATION POINT, SEE SHEET E2 FOR DETAIL.

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
507	"G1" 17+08.21	34.000 LT	20
508	"G1" 16+44.95	33.746 LT	20
509	"G1" 16+43.65	34.000 RT	20
510	"G1" 17+07.65	34.000 RT	20
511	"G1" 16+76.09	0.000 RT	12

20TH AVE GRADING PLAN

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
P&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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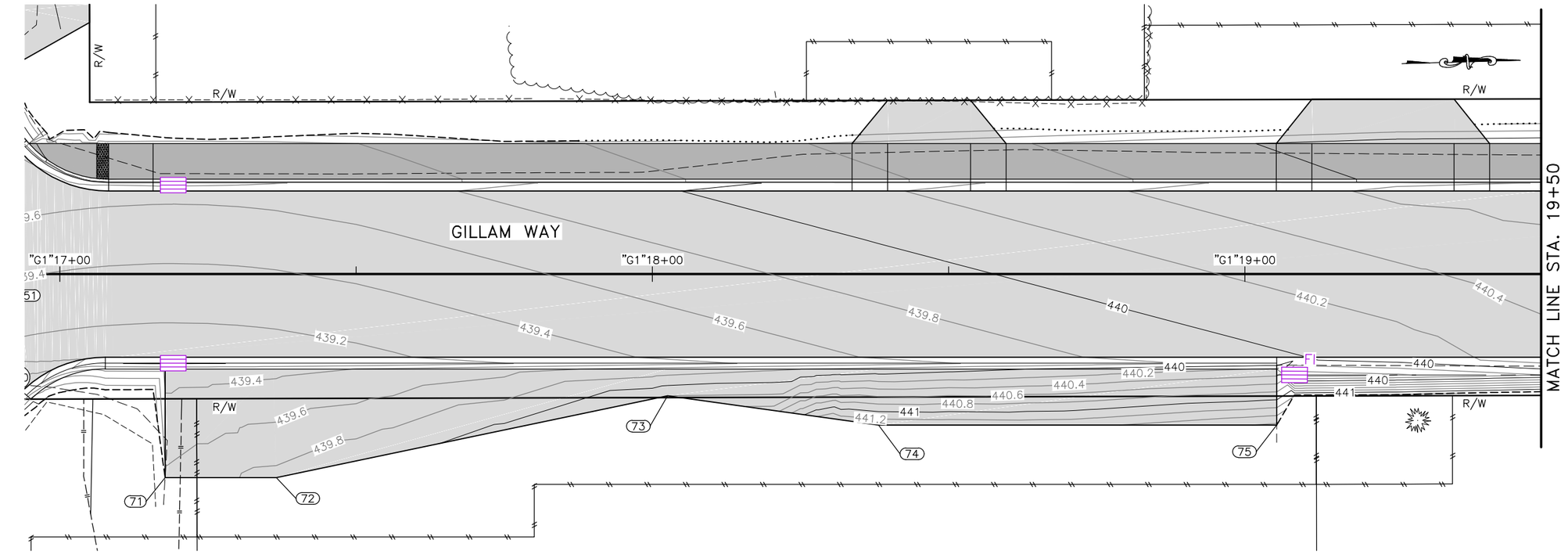
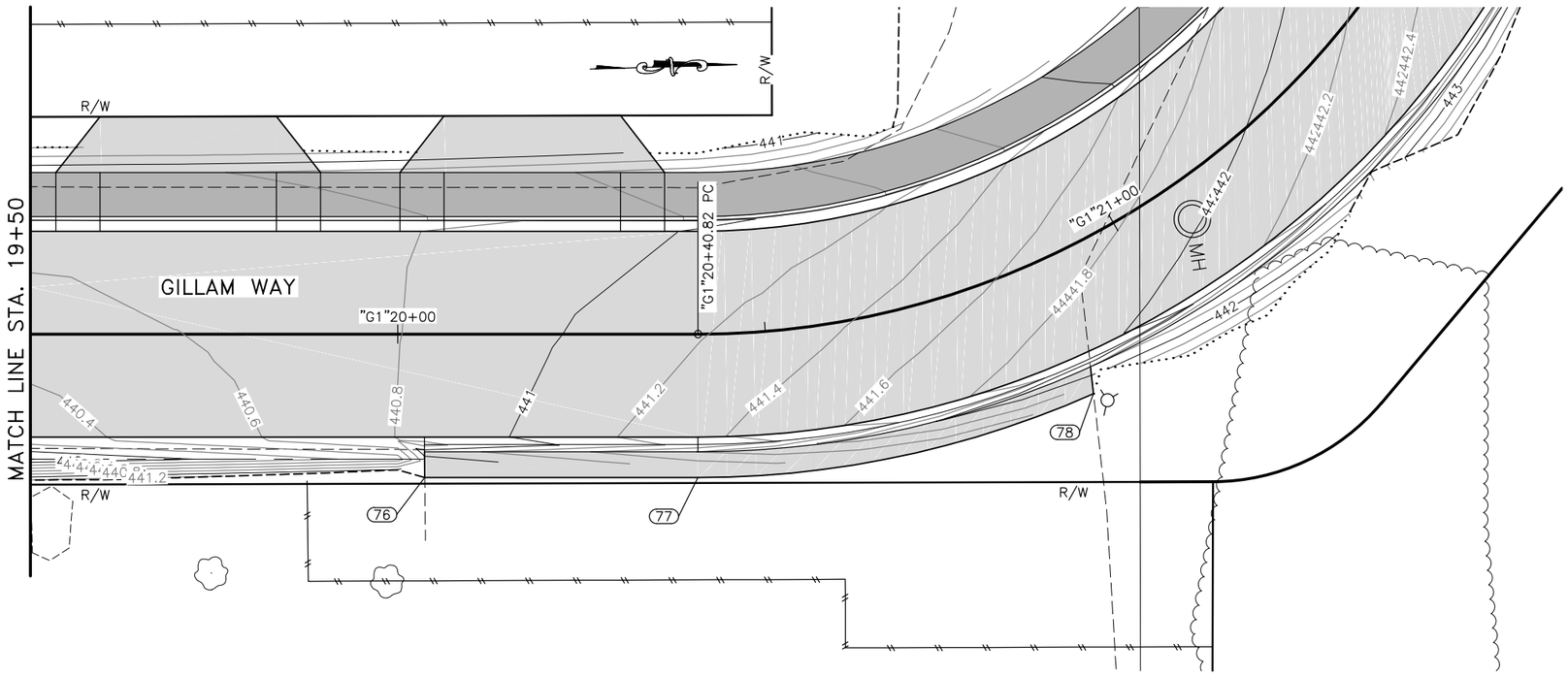
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G3	G10





GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
71	"G1" 17+17.76	34.290 RT	ME	PI
72	"G1" 17+36.51	34.290 RT	ME	PI
73	"G1" 18+02.55	20.519 RT	ME	PI
74	"G1" 18+38.17	25.428 RT	ME	PI
75	"G1" 19+05.35	25.428 RT	ME	PI
76	"G1" 20+03.66	19.500 RT	ME	PI
77	"G1" 20+40.82	19.500 RT	ME	PC
78	"G1" 20+88.07	19.500 RT	ME	PT

CAROL BRICE PARKING LOT GRADING PLAN

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G4	G10

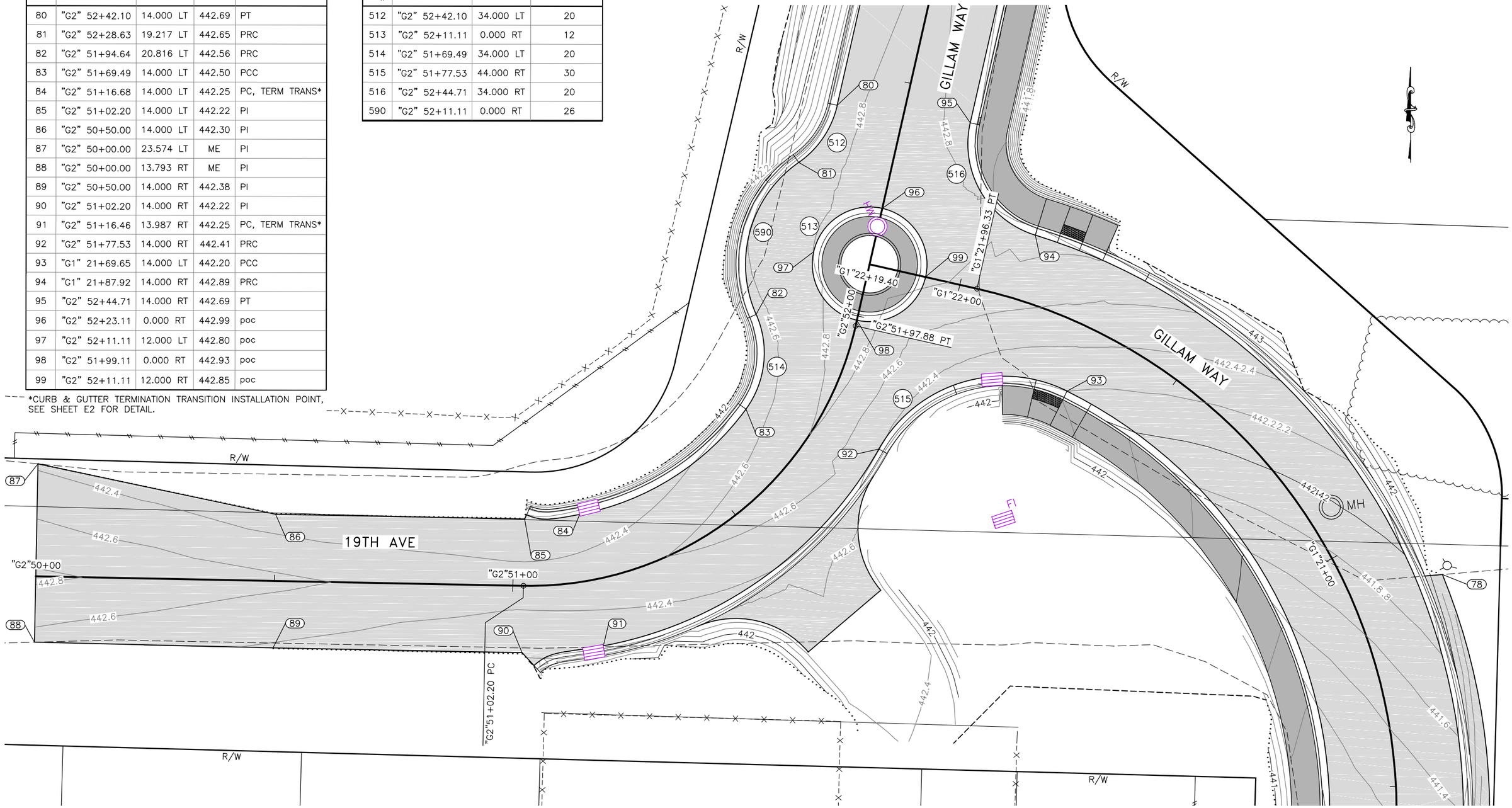
GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
80	"G2" 52+42.10	14.000 LT	442.69	PT
81	"G2" 52+28.63	19.217 LT	442.65	PRC
82	"G2" 51+94.64	20.816 LT	442.56	PRC
83	"G2" 51+69.49	14.000 LT	442.50	PCC
84	"G2" 51+16.68	14.000 LT	442.25	PC, TERM TRANS*
85	"G2" 51+02.20	14.000 LT	442.22	PI
86	"G2" 50+50.00	14.000 LT	442.30	PI
87	"G2" 50+00.00	23.574 LT	ME	PI
88	"G2" 50+00.00	13.793 RT	ME	PI
89	"G2" 50+50.00	14.000 RT	442.38	PI
90	"G2" 51+02.20	14.000 RT	442.22	PI
91	"G2" 51+16.46	13.987 RT	442.25	PC, TERM TRANS*
92	"G2" 51+77.53	14.000 RT	442.41	PRC
93	"G1" 21+69.65	14.000 LT	442.20	PCC
94	"G1" 21+87.92	14.000 RT	442.89	PRC
95	"G2" 52+44.71	14.000 RT	442.69	PT
96	"G2" 52+23.11	0.000 RT	442.99	poc
97	"G2" 52+11.11	12.000 LT	442.80	poc
98	"G2" 51+99.11	0.000 RT	442.93	poc
99	"G2" 52+11.11	12.000 RT	442.85	poc

*CURB & GUTTER TERMINATION TRANSITION INSTALLATION POINT, SEE SHEET E2 FOR DETAIL.

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
512	"G2" 52+42.10	34.000 LT	20
513	"G2" 52+11.11	0.000 RT	12
514	"G2" 51+69.49	34.000 LT	20
515	"G2" 51+77.53	44.000 RT	30
516	"G2" 52+44.71	34.000 RT	20
590	"G2" 52+11.11	0.000 RT	26



PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2016
REVIEW
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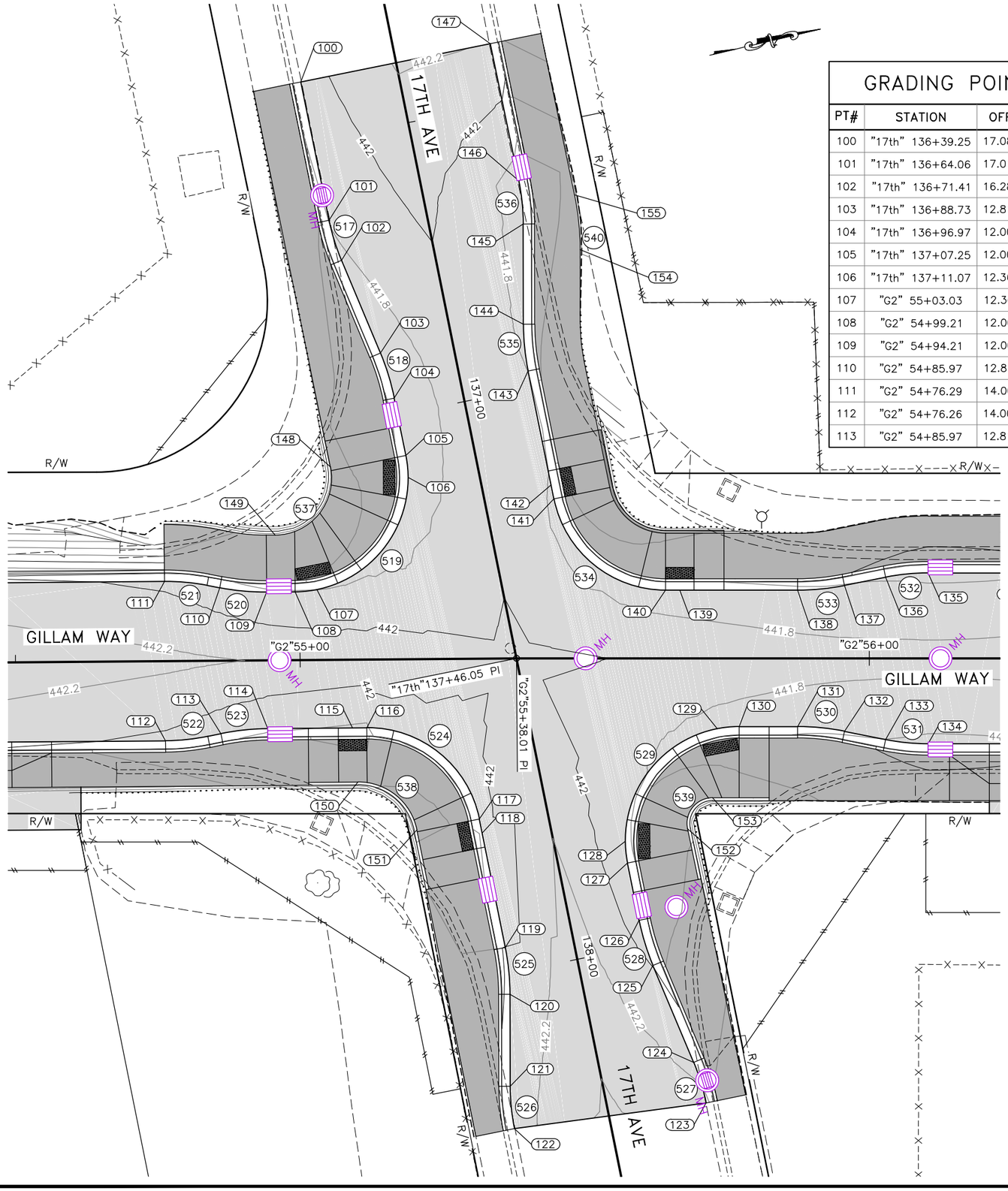
19TH AVE GRADING PLAN

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_G1-G10_INTSEC.DWG PLOTTED: Nov 16, 2018 - 9:23:41 PM (Brian Lewis) KE#: 00384



NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G5	G10

GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
100	"17th" 136+39.25	17.089 RT	ME	PI
101	"17th" 136+64.06	17.019 RT	441.81	PT
102	"17th" 136+71.41	16.281 RT	441.78	PC
103	"17th" 136+88.73	12.816 RT	441.70	PT
104	"17th" 136+96.97	12.000 RT	441.67	PC
105	"17th" 137+07.25	12.000 RT	441.68	PT
106	"17th" 137+11.07	12.369 RT	441.70	RAMP
107	"G2" 55+03.03	12.369 LT	441.80	RAMP
108	"G2" 54+99.21	12.000 LT	441.81	PC
109	"G2" 54+94.21	12.000 LT	441.83	PT
110	"G2" 54+85.97	12.816 LT	441.89	PRC
111	"G2" 54+76.29	14.000 LT	441.96	PC
112	"G2" 54+76.26	14.000 RT	441.96	PC
113	"G2" 54+85.97	12.811 RT	441.89	PRC

GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
114	"G2" 54+94.21	12.000 RT	441.83	PT
115	"G2" 55+09.12	12.000 RT	441.78	RAMP
116	"G2" 55+11.62	12.000 RT	441.77	PC
117	"17th" 137+72.44	12.000 RT	441.96	PC
118	"17th" 137+74.94	12.000 RT	441.82	RAMP
119	"17th" 137+95.44	12.000 RT	442.03	PC
120	"17th" 138+03.68	12.816 RT	442.05	PT
121	"17th" 138+19.52	15.983 RT	442.10	PC
122	"17th" 138+26.96	16.722 RT	ME	PT
123	"17th" 138+29.20	17.175 LT	ME	PC
124	"17th" 138+21.79	16.437 LT	442.16	PT
125	"17th" 138+03.68	12.816 LT	441.99	PC
126	"17th" 137+95.44	12.000 LT	441.92	PT
127	"17th" 137+85.16	12.000 LT	441.87	PC
128	"17th" 137+81.34	12.369 LT	441.85	RAMP
129	"G2" 55+73.30	12.369 RT	441.73	RAMP
130	"G2" 55+77.12	12.000 RT	441.71	PT
131	"G2" 55+87.40	12.000 RT	441.67	PC
132	"G2" 55+95.64	12.816 RT	441.63	PT
133	"G2" 56+02.87	14.262 RT	441.60	PC
134	"G2" 56+10.32	15.000 RT	441.71	PT

GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
135	"G2" 56+10.32	15.000 LT	441.71	PT
136	"G2" 56+02.87	14.262 LT	441.59	PC
137	"G2" 55+95.64	12.816 LT	441.61	PT
138	"G2" 55+87.40	12.000 LT	441.63	PC
139	"G2" 55+66.69	12.000 LT	441.70	RAMP
140	"G2" 55+64.19	12.000 LT	441.70	PT
141	"17th" 137+19.87	12.000 LT	441.79	PC
142	"17th" 137+17.37	12.000 LT	441.79	RAMP
143	"17th" 136+96.97	12.000 LT	441.80	PT
144	"17th" 136+88.73	12.816 LT	441.78	PC
145	"17th" 136+71.46	16.270 LT	441.74	PT
146	"17th" 136+63.82	17.008 LT	441.72	PC
147	"17th" 136+39.25	16.890 LT	ME	PI
148	"17th" 137+06.57	25.370 RT	442.25	PT
149	"G2" 54+95.77	22.000 LT	442.34	PC
150	"G2" 55+09.96	21.500 RT	442.29	PC
151	"17th" 137+72.12	23.126 RT	442.49	PT
152	"17th" 137+81.33	23.547 LT	442.36	PC
153	"G2" 55+72.48	24.500 RT	442.30	PT
154	"17th" 136+77.88	25.184 LT	442.27	PT
155	"17th" 136+68.24	26.116 LT	442.24	PC

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
517	"17th" 136+63.95	20.981 LT	38
518	"17th" 136+96.97	54.000 RT	42
519	"G2" 54+99.21	32.000 LT	20
520	"G2" 54+94.21	54.000 LT	42
521	"G2" 54+76.29	24.000 RT	38
522	"G2" 54+76.26	24.000 LT	38
523	"G2" 54+94.18	54.000 RT	42
524	"G2" 55+11.62	32.000 RT	20
525	"17th" 137+95.44	54.000 RT	42
526	"17th" 138+26.97	21.279 LT	38
527	"17th" 138+29.24	20.825 RT	38
528	"17th" 137+95.44	54.000 LT	42
529	"G2" 55+77.12	32.000 RT	20
530	"G2" 55+87.40	54.000 RT	42

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
531	"G2" 56+10.32	23.000 LT	38
532	"G2" 56+10.32	23.000 RT	38
533	"G2" 55+87.40	54.000 LT	42
534	"G2" 55+64.19	32.000 LT	20
535	"17th" 136+96.97	54.000 LT	42
536	"17th" 136+64.01	20.992 RT	38
537	"G2" 54+95.77	32.000 LT	10
538	"G2" 55+09.96	32.000 RT	10
539	"G2" 55+72.48	29.000 RT	4
540	"17th" 136+68.47	21.884 RT	48

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
REVIEW
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REGISTERED PROFESSIONAL ENGINEER

17TH AVE GRADING PLAN

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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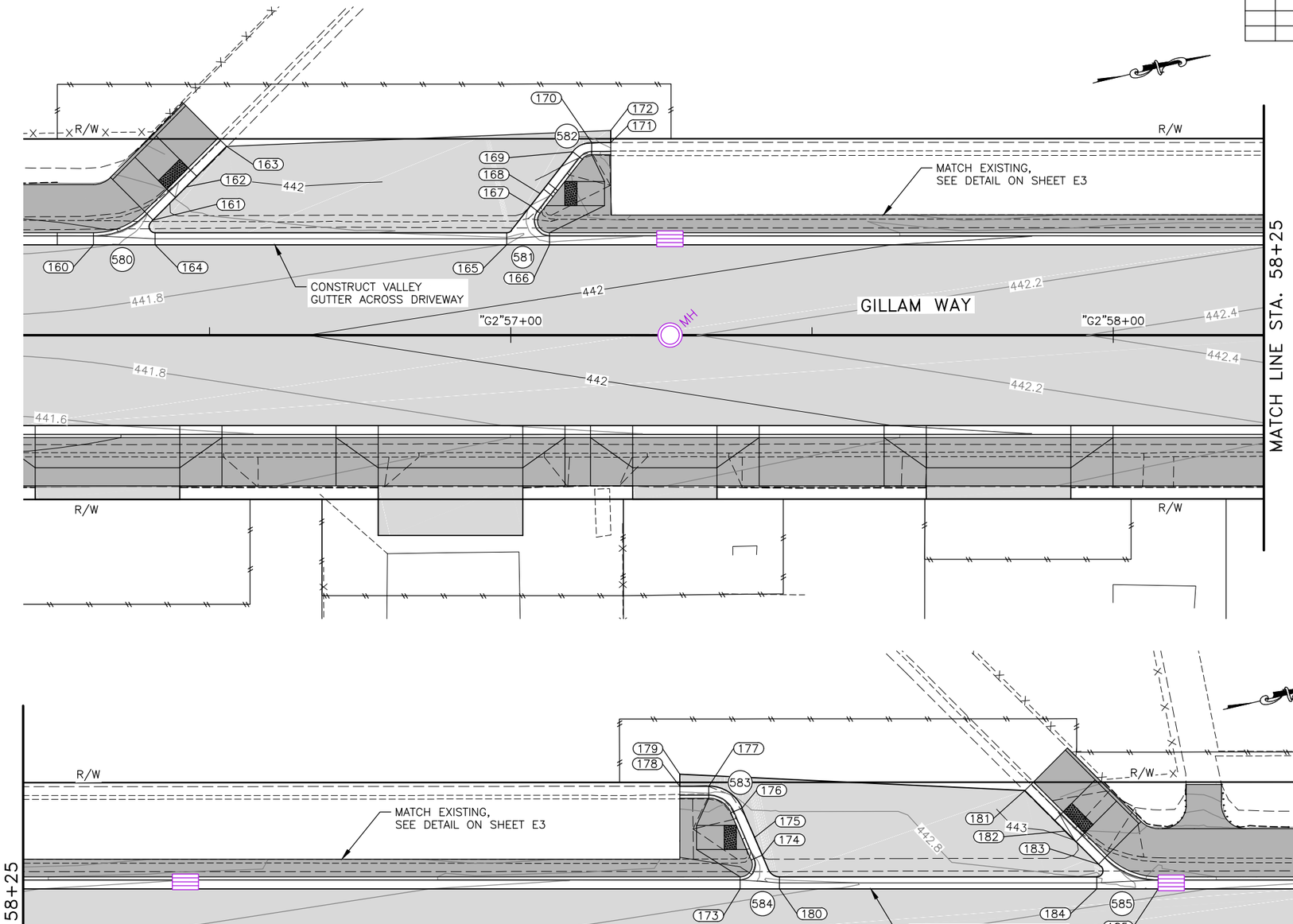
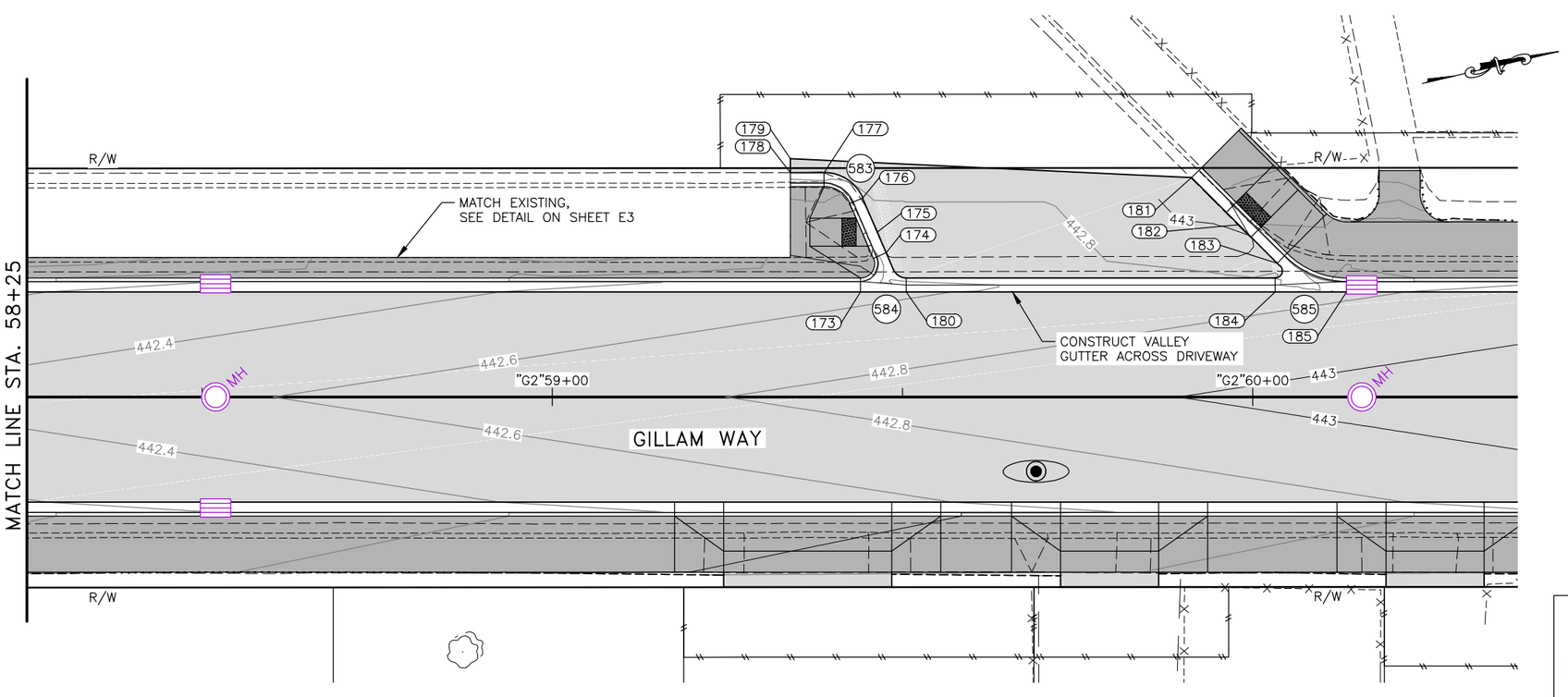
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G6	G10





GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
160	"G2" 56+30.75	15.000 LT	441.73	PC, RAMP
161	"G2" 56+40.66	19.103 LT	441.67	PT
162	"G2" 56+46.13	24.584 LT	441.89	RAMP
163	"G2" 56+52.85	31.304 LT	ME	PI
164	"G2" 56+40.97	15.000 LT	441.74	PI
165	"G2" 56+99.33	15.000 LT	441.80	PI
166	"G2" 57+06.45	15.000 LT	441.95	PT
167	"G2" 57+03.30	21.461 LT	441.80	PC
168	"G2" 57+04.88	23.481 LT	441.86	RAMP
169	"G2" 57+10.29	30.419 LT	442.08	PC
170	"G2" 57+13.44	31.958 LT	442.17	PT
171	"G2" 57+16.61	31.962 LT	ME	PI
172	"G2" 57+16.61	33.962 LT	ME	PI
173	"G2" 59+43.99	15.000 LT	442.62	PC
174	"G2" 59+47.67	20.581 LT	442.66	PT
175	"G2" 59+46.40	23.513 LT	442.70	RAMP
176	"G2" 59+44.30	28.402 LT	442.77	PT
177	"G2" 59+38.78	32.030 LT	442.86	PC
178	"G2" 59+33.99	32.026 LT	ME	PI
179	"G2" 59+33.99	34.026 LT	ME	PI
180	"G2" 59+50.52	15.000 LT	442.58	PI
181	"G2" 59+91.27	31.317 LT	ME	PI
182	"G2" 59+97.99	24.600 LT	443.03	RAMP
183	"G2" 60+03.49	19.100 LT	442.92	PC
184	"G2" 60+03.18	15.000 LT	442.74	PI
185	"G2" 60+13.39	15.000 LT	442.77	PT

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
580	"G2" 56+30.75	29.000 LT	14
581	"G2" 57+06.45	19.000 LT	14
582	"G2" 57+13.44	27.958 LT	4
583	"G2" 59+38.79	26.030 LT	6
584	"G2" 59+43.99	19.000 LT	4
585	"G2" 60+13.39	29.000 LT	14

HUNTER ELEMENTARY PARKING LOT GRADING PLAN

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
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PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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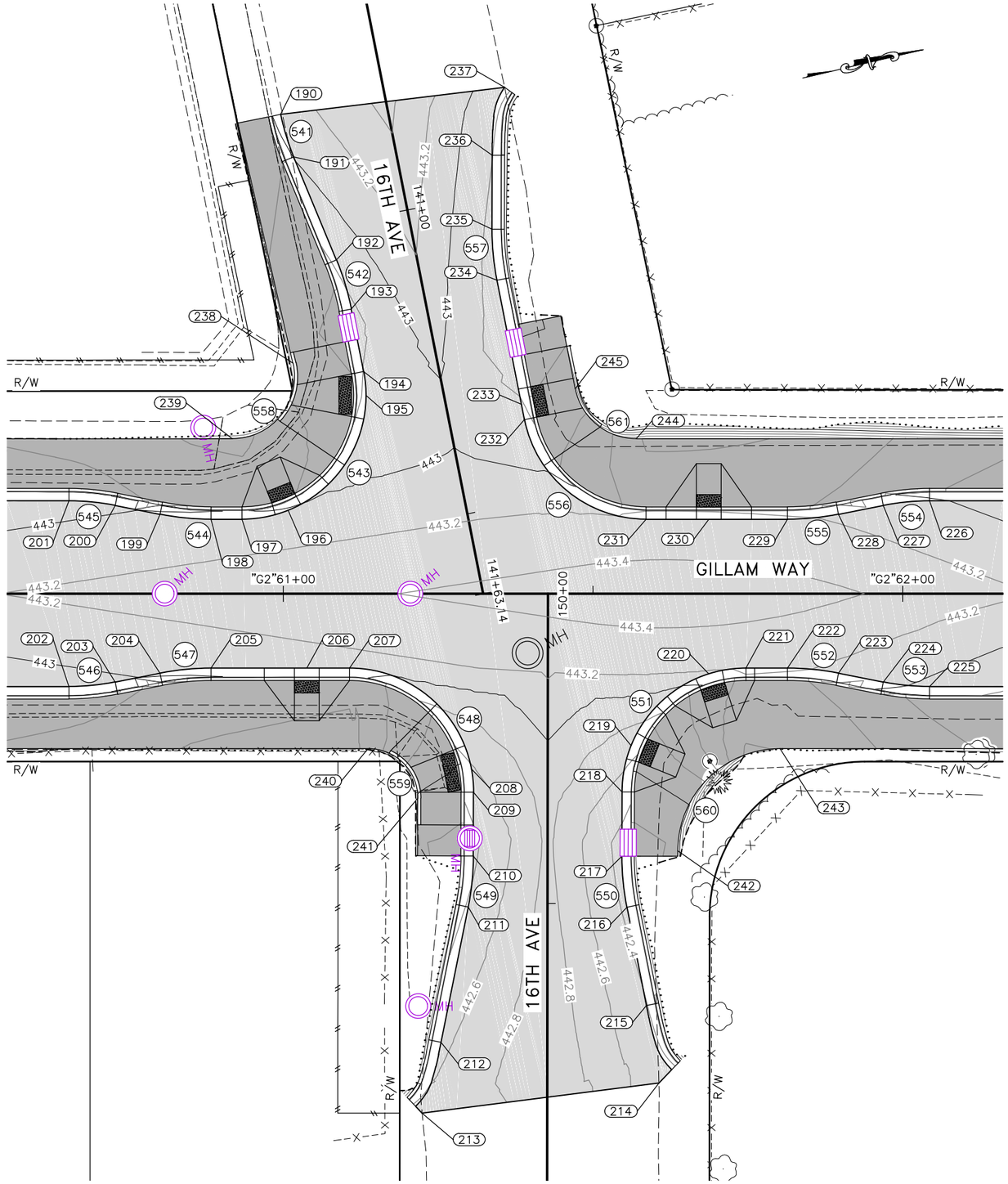
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G7	G10



GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
190	"16thW" 140+80.89	17.085 RT	ME	PC
191	"16thW" 140+88.03	16.348 RT	443.01	PC
192	"16thW" 141+05.69	12.816 RT	442.85	PT
193	"16thW" 141+13.92	12.000 RT	442.77	PC
194	"16thW" 141+24.20	12.000 RT	442.80	PT
195	"16thW" 141+28.03	12.369 RT	442.83	RAMP
196	"G2" 61+00.81	13.452 LT	443.02	RAMP
197	"G2" 60+93.33	12.000 LT	443.10	PT
198	"G2" 60+88.33	12.000 LT	443.09	PT
199	"G2" 60+80.09	12.816 LT	443.05	PC
200	"G2" 60+72.86	14.262 LT	443.00	PT
201	"G2" 60+65.41	15.000 LT	442.97	PC
202	"G2" 60+65.41	15.000 RT	442.96	PT
203	"G2" 60+72.86	14.262 RT	443.00	PT
204	"G2" 60+80.09	12.816 RT	443.05	PC
205	"G2" 60+88.33	12.000 RT	443.09	PT
206	"G2" 61+03.81	12.000 RT	443.13	RAMP
207	"G2" 61+10.69	12.000 RT	443.14	PC
208	"16thE" 150+28.22	12.369 RT	442.58	RAMP
209	"16thE" 150+32.04	12.000 RT	442.50	PT
210	"16thE" 150+42.32	12.000 RT	442.37	PC
211	"16thE" 150+50.56	12.816 RT	442.42	PT
212	"16thE" 150+72.40	17.183 RT	442.56	PI, TERM TRANS*
213	"16thE" 150+83.85	20.210 RT	ME	PI
214	"16thE" 150+78.93	18.016 LT	ME	PI
215	"16thE" 150+66.43	15.989 LT	442.41	PI, TERM TRANS*
216	"16thE" 150+50.56	12.816 LT	442.36	PC
217	"16thE" 150+42.32	12.000 LT	442.33	PT
218	"16thE" 150+31.96	12.000 LT	442.52	PC
219	"16thE" 150+24.49	13.447 LT	442.70	RAMP
220	"G2" 61+68.70	12.921 RT	443.11	RAMP
221	"G2" 61+74.69	12.000 RT	443.26	PT
222	"G2" 61+81.41	12.000 RT	443.23	PC
223	"G2" 61+89.64	12.816 RT	443.16	PT
224	"G2" 61+96.88	14.262 RT	443.06	PC
225	"G2" 62+04.33	15.000 RT	442.97	PT
226	"G2" 62+04.33	15.000 LT	443.04	PT
227	"G2" 61+96.88	14.262 LT	443.10	PC
228	"G2" 61+89.64	12.816 LT	443.18	PT
229	"G2" 61+81.41	12.000 LT	443.23	PC
230	"G2" 61+68.70	12.000 LT	443.27	RAMP
231	"G2" 61+58.56	12.000 LT	443.27	PT

GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
232	"16thW" 141+36.84	12.000 LT	442.86	PC
233	"16thW" 141+34.34	12.000 LT	442.82	RAMP
234	"16thW" 141+13.93	12.000 LT	442.72	PT
235	"16thW" 141+05.69	12.816 LT	442.75	PC
236	"16thW" 140+93.98	15.157 LT	442.80	PI, TERM TRANS*
237	"16thW" 140+83.62	19.235 LT	ME	PI
238	"16thW" 141+20.66	22.935 RT	443.31	PT
239	"G2" 60+91.79	25.000 LT	443.66	PC
240	"G2" 61+13.69	25.000 RT	443.52	PT
241	"16thE" 150+33.04	21.000 RT	442.99	PC
242	"16thE" 150+41.45	21.000 LT	442.83	PC
243	"G2" 61+80.18	25.000 RT	443.80	PT
244	"G2" 61+56.95	25.000 LT	443.76	PT
245	"16thW" 141+33.58	21.000 LT	443.31	PC

*CURB & GUTTER TERMINATION TRANSITION INSTALLATION POINT, SEE SHEET E2 FOR DETAIL.

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
541	"G2" 61+36.79	85.051 LT	38
542	"G2" 60+69.76	37.824 LT	42
543	"G2" 60+93.33	32.000 LT	20
544	"G2" 60+88.33	54.000 LT	42
545	"G2" 60+65.41	23.000 RT	38
546	"G2" 60+65.41	23.000 LT	38
547	"G2" 60+88.33	54.000 RT	42
548	"G2" 61+10.69	32.000 RT	20
549	"G2" 60+88.68	42.250 RT	42
550	"G2" 61+96.68	42.397 RT	42
551	"G2" 61+74.69	32.000 RT	20
552	"G2" 61+81.41	54.000 RT	42
553	"G2" 62+04.33	23.000 LT	38
554	"G2" 62+04.33	23.000 RT	38
555	"G2" 61+81.41	54.000 LT	42
556	"G2" 61+58.56	32.000 LT	20
557	"G2" 61+75.71	58.738 LT	42
558	"G2" 60+91.79	35.000 LT	10
559	"G2" 61+13.69	33.000 RT	8
560	"G2" 61+80.18	41.500 RT	16.5
561	"G2" 61+56.95	35.000 LT	10

16TH AVE GRADING PLAN

PLANS DEVELOPED BY:
KINNEY ENGINEERING

11/16/2018
REVIEW
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PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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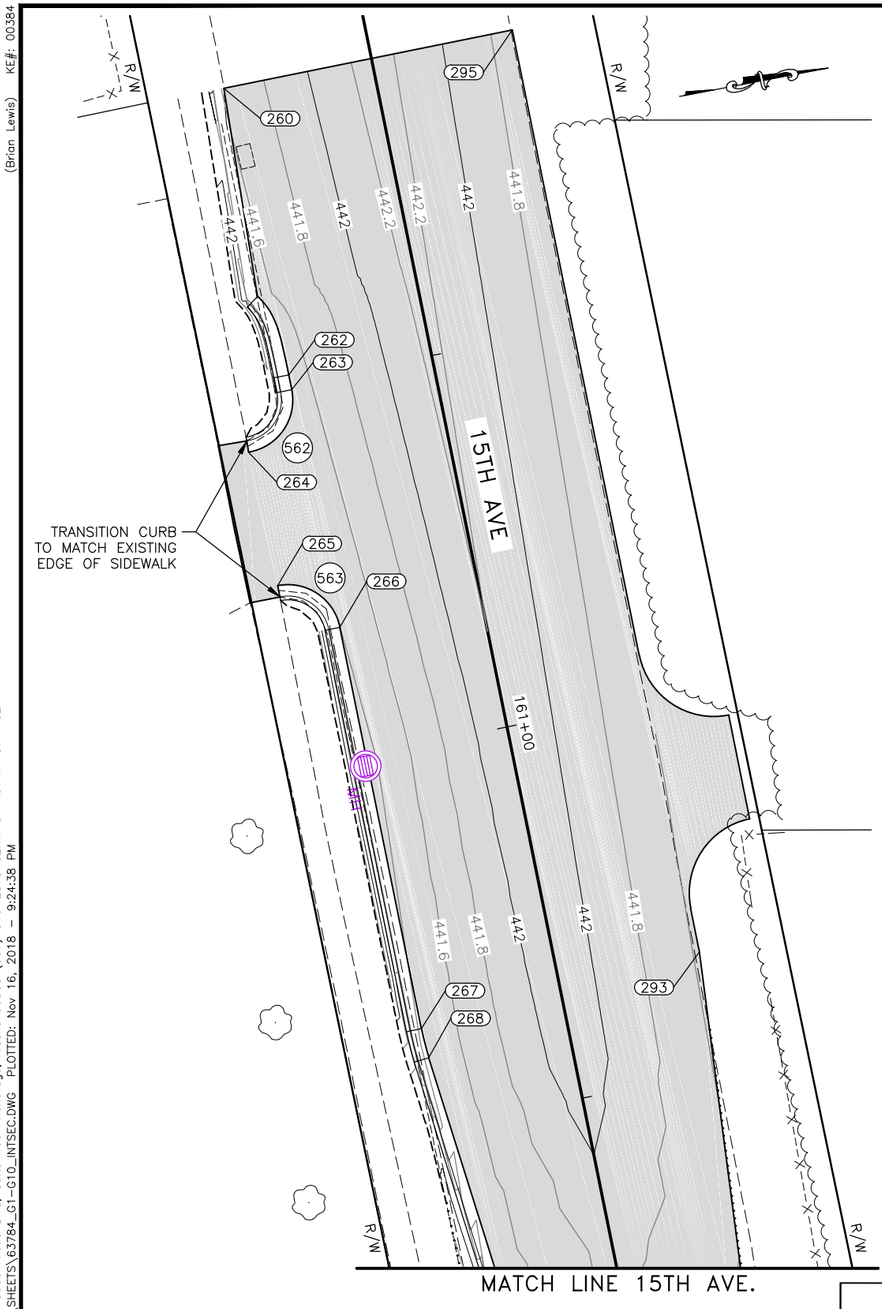
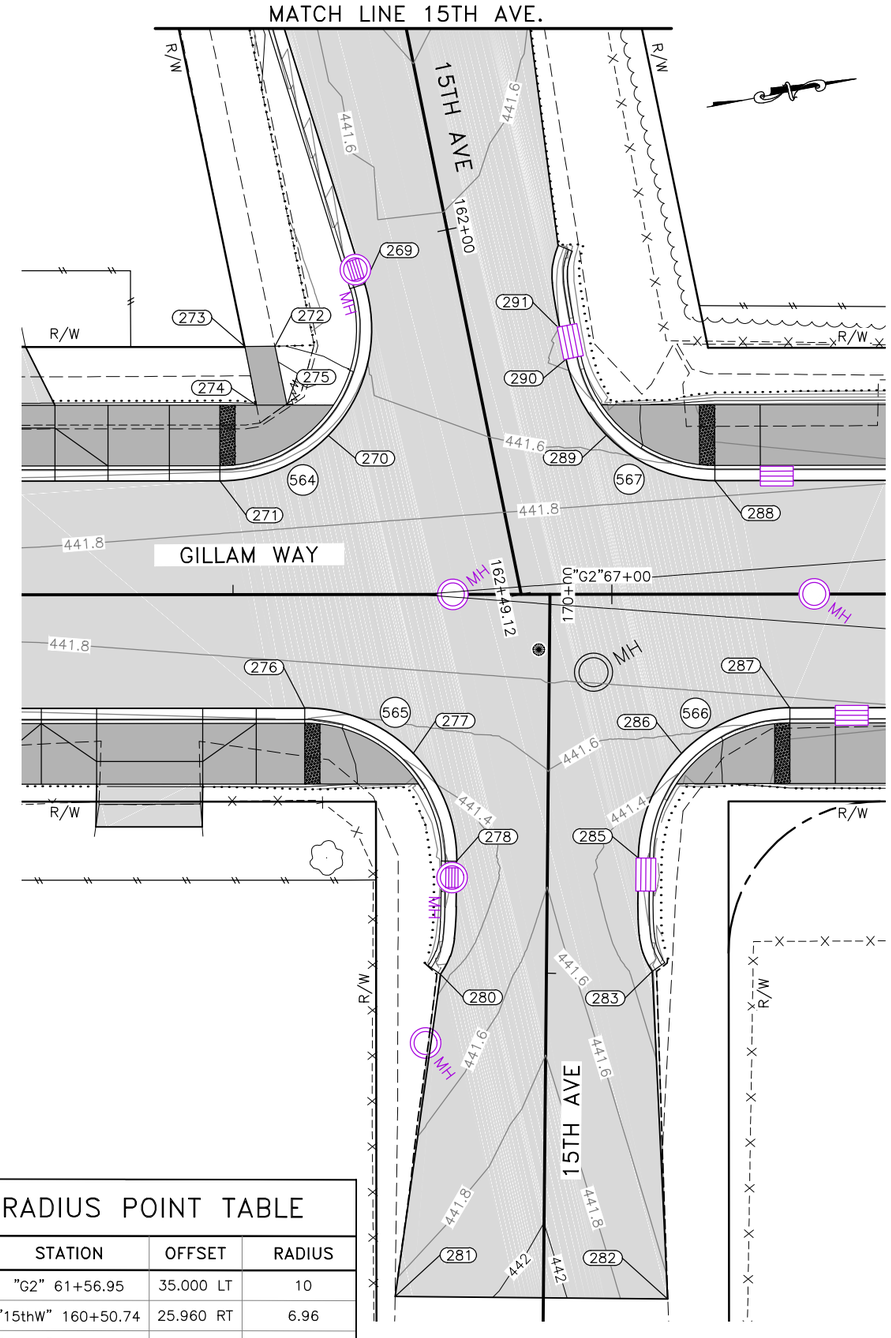
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G8	G10





GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
260	"15thW" 160+10.00	19.865 RT	ME	PI
262	"15thW" 160+48.74	19.000 RT	441.50	PI, TERM TRANS*
263	"15thW" 160+50.74	19.000 RT	441.49	PT
264	"15thW" 160+57.70	26.204 RT	0.00	PC
265	"15thW" 160+75.73	25.947 RT	0.00	PT
266	"15thW" 160+82.73	19.000 RT	441.40	PC
267	"15thW" 161+36.80	19.000 RT	441.42	PT
268	"15thW" 161+40.74	18.795 RT	441.43	PC
269	"15thW" 162+04.87	12.108 RT	441.58	PT
270	"G2" 66+62.58	21.000 LT	441.63	RAMP
271	"G2" 66+48.30	15.000 LT	441.66	PC
272	"G2" 66+55.58	32.772 LT	442.03	PI
273	"G2" 66+51.60	32.744 LT	0.00	PI
274	"G2" 66+53.12	25.000 LT	442.14	PI
275	"G2" 66+57.16	25.000 LT	442.10	PI
276	"G2" 66+59.47	15.000 RT	441.68	PC
277	"G2" 66+73.75	21.000 RT	441.47	RAMP
278	"15thE" 170+35.33	12.000 RT	441.26	PT
280	"15thE" 170+50.29	13.967 RT	441.37	PT
281	"15thE" 170+92.82	19.557 RT	441.83	PT
282	"15thE" 170+92.82	16.412 LT	441.62	PT
283	"15thE" 170+49.63	13.967 LT	ME	PT
285	"15thE" 170+34.67	12.000 LT	ME	PC
286	"G2" 67+09.19	21.000 RT	441.51	PI
287	"G2" 67+23.47	15.000 RT	441.77	PC
288	"G2" 67+13.59	15.000 LT	441.76	PT
289	"G2" 66+99.31	21.000 LT	441.54	RAMP
290	"15thW" 162+19.88	12.000 LT	441.38	PI
291	"15thW" 162+15.88	12.000 LT	441.40	PI, TERM TRANS*
293	"15thW" 161+34.15	19.000 LT	0.00	PI
295	"15thW" 160+10.00	19.000 LT	0.00	PI

*CURB & GUTTER TERMINATION TRANSITION INSTALLATION POINT, SEE SHEET E2 FOR DETAIL.

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
561	"G2" 61+56.95	35.000 LT	10
562	"15thW" 160+50.74	25.960 RT	6.96
563	"15thW" 160+82.73	26.000 RT	7
564	"G2" 66+48.30	35.000 LT	20
565	"G2" 66+59.47	35.000 RT	20
566	"G2" 67+23.47	35.000 RT	20
567	"G2" 67+13.59	35.000 LT	20

15TH AVE GRADING PLAN

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
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PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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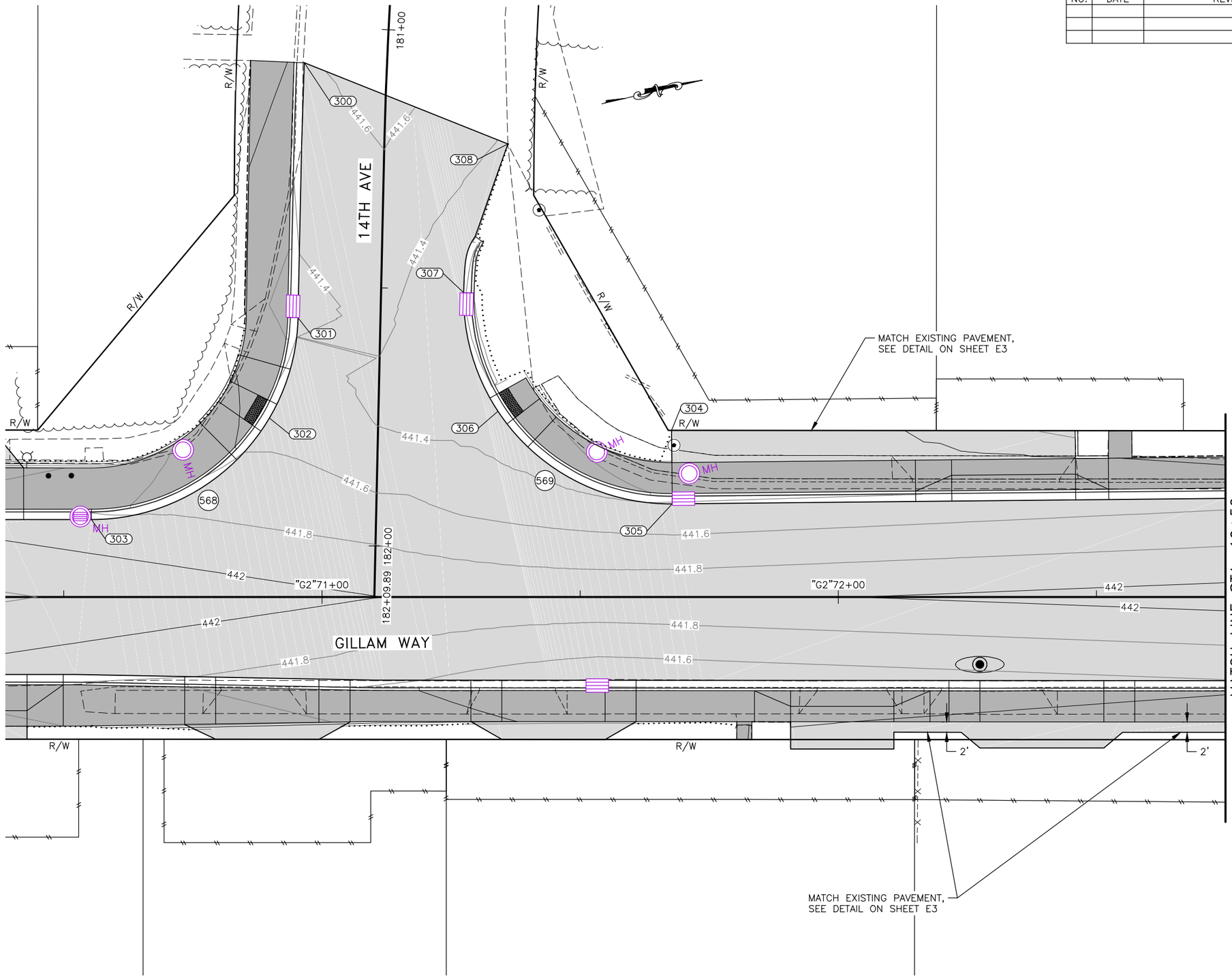
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G9	G10



GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
300	"14thW" 181+07.05	16.000 RT	ME	PI
301	"14thW" 181+56.12	16.000 RT	441.37	PT
302	"14thW" 181+75.66	21.097 RT	441.53	RAMP
303	"G2" 70+55.35	15.000 LT	441.87	PC
304	"14thW" 181+76.35	56.825 LT	ME	PI
305	"G2" 71+67.84	18.046 LT	441.42	PT
306	"14thW" 181+73.40	23.140 LT	441.29	RAMP
307	"14thW" 181+50.59	16.000 LT	441.22	PC, TERM TRANS*
308	"14thW" 181+21.60	23.894 LT	ME	PI

*CURB & GUTTER TERMINATION TRANSITION INSTALLATION POINT, SEE SHEET E2 FOR DETAIL.

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
568	"G2" 70+55.35	55.000 LT	40
569	"G2" 71+67.45	58.044 LT	40

14TH AVE GRADING PLAN

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
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PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
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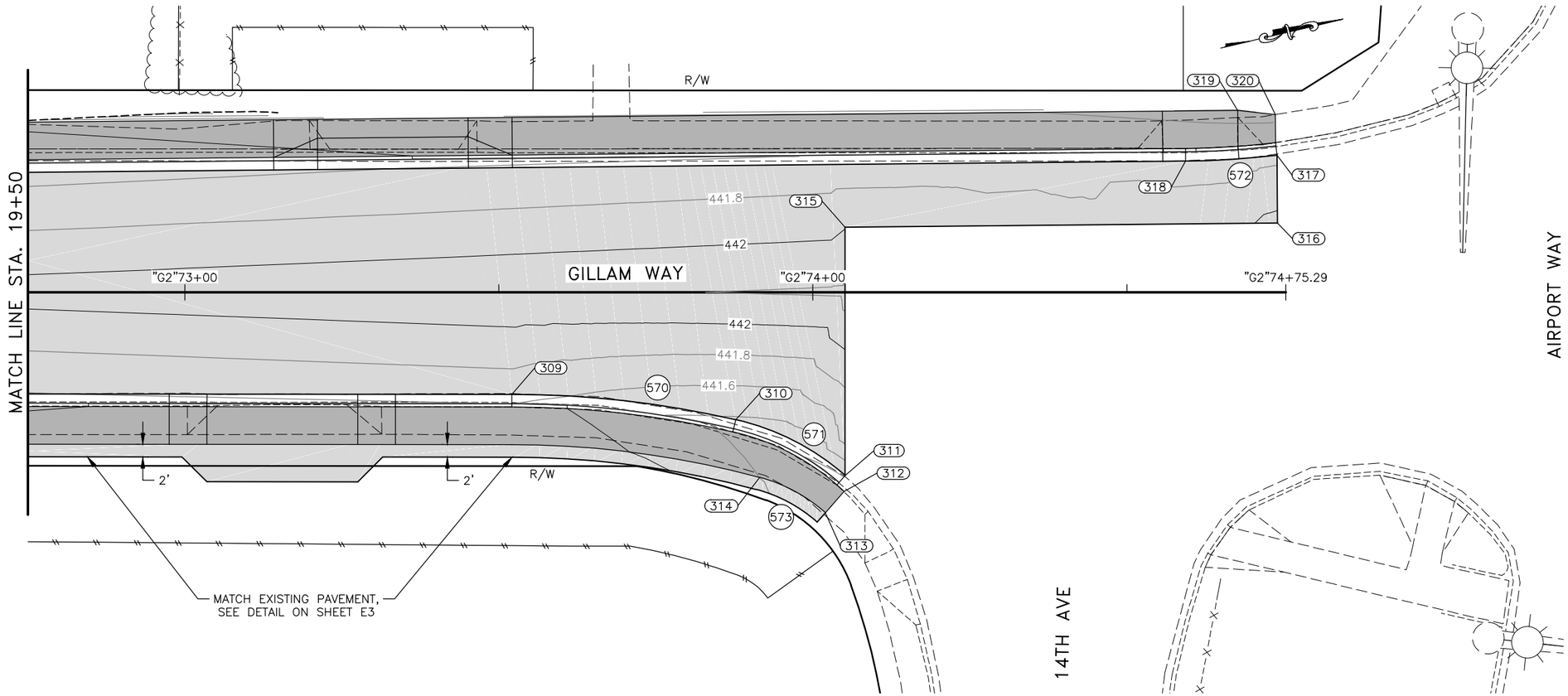
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	G10	G10



GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
309	"G2" 73+52.08	16.249 RT	441.68	PC
310	"G2" 73+87.72	20.291 RT	441.38	PCC
311	"G2" 74+05.14	29.187 RT	ME	PT
312	"G2" 74+04.97	31.737 RT	ME	PT
313	"G2" 74+01.98	35.112 RT	ME	PT
314	"G2" 73+91.51	29.479 RT	441.80	PCC
315	"G2" 74+05.14	10.371 LT	ME	PI
316	"G2" 74+73.98	11.046 LT	ME	PI
317	"G2" 74+73.92	21.852 LT	ME	PT
318	"G2" 74+59.36	20.903 LT	441.74	PC
319	"G2" 74+67.65	28.985 LT	442.23	PI
320	"G2" 74+73.63	28.314 LT	ME	PI

RADIUS POINT TABLE

PT#	STATION	OFFSET	RADIUS
570	"G2" 73+51.98	176.249 RT	160
571	"G2" 73+78.79	59.281 RT	40
572	"G2" 74+58.07	152.897 LT	132
573	"G2" 73+84.75	54.584 RT	26

EOP GRADING PLAN

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
REVIEW
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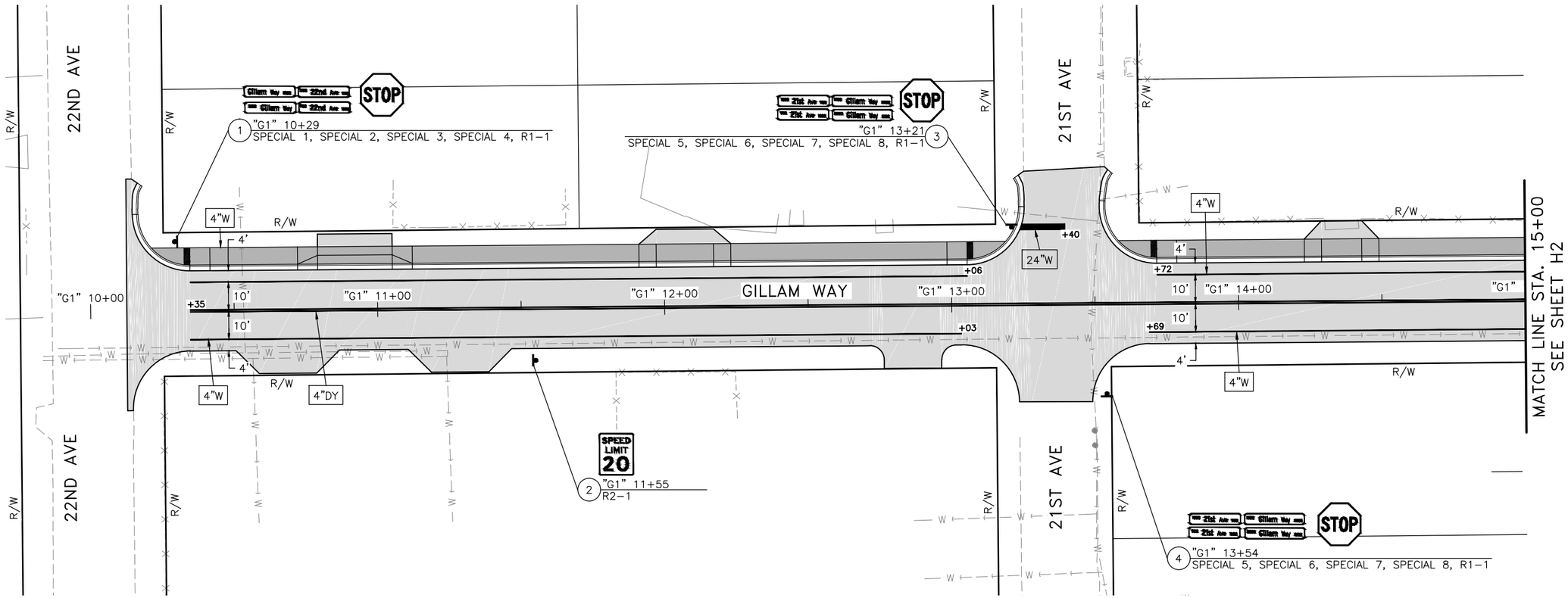
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_G1-G10_INTSEC.DWG PLOTTED: Nov 16, 2018 - 9:24:59 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H1	H14



TRAFFIC MARKINGS SUMMARY

DESCRIPTION	QUANTITY	REMARKS
4"W	5,640 LF	
4"WD-1	146 LF	INCLUDES SKIPS
4"DY	3,750 LF	
8"W	50 LF	
24"W	1,685 SF	
TURN ARROW SYMBOLS	1 EA	
18" Y	78 SF	

TRAFFIC MARKING KEY

- 4"W — 4" WHITE LINE
- 4"WD-1 — 4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
- 4"DY — 4" DOUBLE YELLOW LINE
- 8"W — 8" WHITE LINE
- 24"W — 24" WHITE LINE

TRAFFIC MARKING NOTES:

1. ALL PROPOSED PAVEMENT MARKINGS SHALL BE INLAID METHYL METHACRYLATE (MMA), UNLESS OTHERWISE NOTED IN THE PLANS.
2. BEGIN PAVEMENT MARKINGS BY INSTALLING THE CROSSWALKS FIRST. LAYOUT USING THE GRADING POINTS ON G SHEETS FOR CENTER OF RAMPS. THE CROSSWALK LINES SHALL BE PARALLEL WITH A LINE PROJECTED BETWEEN CURB RAMP GRADING POINTS. CROSSWALK LINES SHALL BE 24"W.
3. PAVEMENT MARKINGS FOR MID BLOCK CROSSINGS SHALL BE WHITE, 10-FOOT LONG, AND 2-FOOT WIDE, WITH 2-FOOT WIDE SPACE. CENTER MARKINGS ON CENTER OF RAMP POINTS PROVIDED ON G SHEETS AND ALIGN STRIPES PARALLEL WITH WHEEL PATH.
4. STOP BARS SHALL BE INSTALLED AT A FOUR (4) FT OFFSET FROM A LINE PROJECTED BETWEEN BACK OF SIDEWALKS TO THE EDGE OF STRIPE.
5. TRANSITION NEW PAVEMENT MARKINGS TO MATCH EXISTING MARKINGS AT A 100:1 TAPER.
6. REMOVE ALL EXISTING PAVEMENT MARKINGS NOT COINCIDING WITH THE NEW MARKINGS. THIS WORK IS SUBSIDIARY TO 670 PAY ITEMS.
7. DIMENSIONS REFER TO THE CENTER OF STRIPE, STRIPE GROUP, EDGE OF PAVEMENT OR LIP OF GUTTER WHEN PRESENT.
8. INSTALL TURN ARROWS WHERE SHOWN ACCORDING TO STD. DWG. T-22.03. PLACE TURN ARROW, NEAREST TO INTERSECTION, 4 FEET FROM END OF TURN LANE STRIPE. STATION CALLOUT IS TO BOTTOM OF ARROW OR "ONLY", WHEN PROVIDED. DO NOT INSTALL "ONLY" MARKINGS UNLESS SHOWN ON THE STRIPING PLAN.
9. STRIPING CONFIGURATIONS IN THIS PLAN SET ARE APPROXIMATE. THE CONTRACTOR SHALL PERFORM PRELIMINARY SPOTTING (RABBIT TRACKING) OF STRIPING AT LEAST 48 HOURS PRIOR TO APPLICATION OF MARKINGS. THE ENGINEER WILL THEN APPROVE THE LAYOUT OR MAKE MODIFICATIONS AS REQUIRED.

SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

SIGNING AND STRIPING
1 OF 7

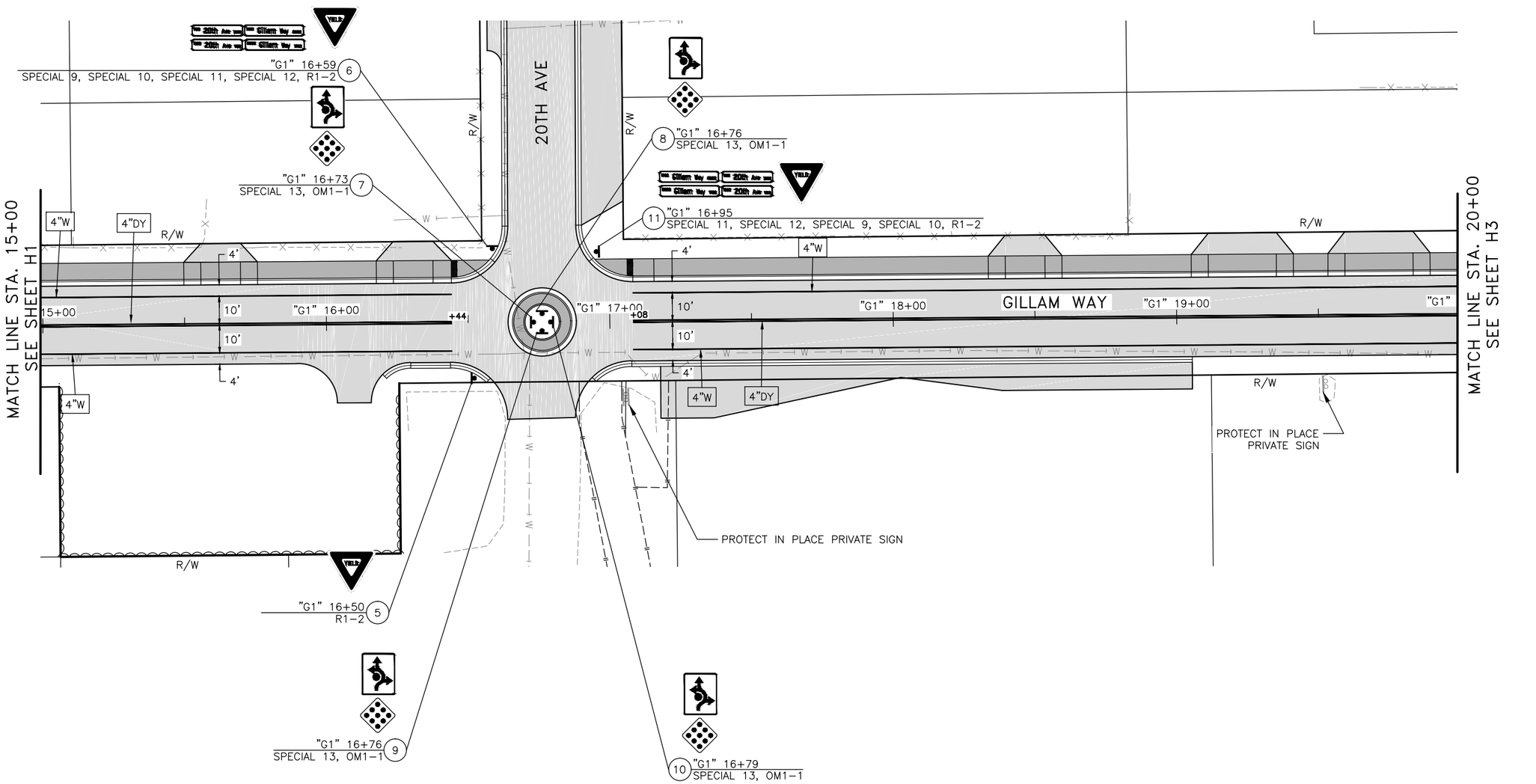
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H1-H7_SIGNSTRIPE.DWG PLOTTED: Nov 16, 2018 - 9:25:19 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H2	H14



TRAFFIC MARKING KEY

4"W	4" WHITE LINE
4"WD-1	4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
4"DY	4" DOUBLE YELLOW LINE
8"W	8" WHITE LINE
24"W	24" WHITE LINE

SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

SIGNING AND STRIPING
2 OF 7

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
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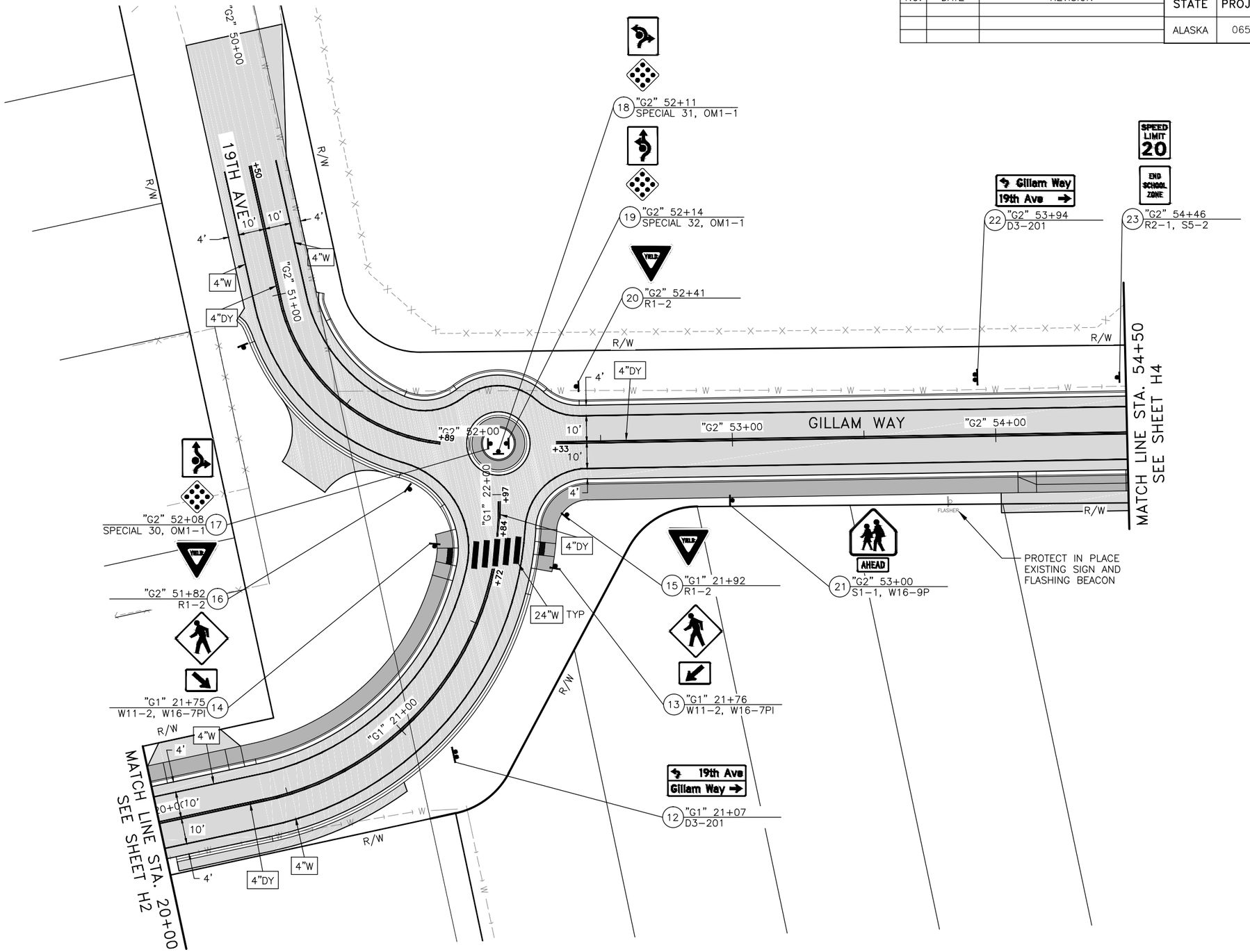
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H1-H7_SIGNSTRIPE.DWG PLOTTED: Nov 16, 2018 - 9:25:26 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H3	H14



TRAFFIC MARKING KEY

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24"W	24" WHITE LINE

SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

SIGNING AND STRIPING
3 OF 7

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

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FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H1-H7_SIGNSTRIPE.DWG PLOTTED: Nov 16, 2018 - 9:25:31 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H4	H14

MATCH LINE STA. 135+50
SEE RT

STA. 133+74
MATCH EXISTING
MARKINGS

17TH AVE

"17th"135+00

4"DY

17'

"17th"134+00

17'

R/W

MATCH LINE STA. 135+50
SEE LT

"17th"136+00

17TH AVE

17'

17'

STOP

ALL WAY

"17th" Ave ran | "Gillam Way ran"

"17th" Ave ran | "Gillam Way ran"

"G2" 55+03

25

SPECIAL 16, SPECIAL 17, SPECIAL 14, SPECIAL 15, R1-1, R1-4

4"DY

12'

"17th"137+00

12'

R/W

R/W

4"W

4'

2'

10'

10'

"G2" 55+00

24"W TYP

4'

2'

R/W

4"W

4"DY

MATCH LINE STA. 54+50
SEE SHEET H3

"Gillam Way ran" | "17th" Ave ran

"Gillam Way ran" | "17th" Ave ran

STOP

ALL WAY

27

"G2" 55+72

SPECIAL 14, SPECIAL 15, SPECIAL 16, SPECIAL 17, R1-1, R1-4

R/W

4"W

1'

4'

DO NOT ENTER

28

"G2" 56+36

R5-1

24"W

DO NOT ENTER

29

"G2" 57+14

R5-1

PROTECT IN PLACE
PRIVATE SIGN

R/W

PROTECT IN PLACE
PRIVATE SIGN

PROTECT IN PLACE
PRIVATE SIGN,

24"W

R/W

"G2" 56+00

"G2" 57+00

GILLAM WAY

"G2" 58+00

"G2" 59+00

"G2"

11'

11'

1'

4'

4"DY

4"W

R/W

R/W

MATCH LINE STA. 60+00
SEE SHEET H5

12'

12'

"17th"138+00

+98
BEGIN TAPER

R/W

"Gillam Way ran" | "17th" Ave ran

"Gillam Way ran" | "17th" Ave ran

STOP

ALL WAY

"G2" 55+00

24

SPECIAL 14, SPECIAL 15, SPECIAL 16, SPECIAL 17, R1-1, R1-4

"Gillam Way ran" | "17th" Ave ran

"Gillam Way ran" | "17th" Ave ran

STOP

ALL WAY

26

"G2" 55+71

SPECIAL 16, SPECIAL 17, SPECIAL 14, SPECIAL 15, R1-1, R1-4

4"DY

4'

STD

4"DY

"17th"139+00

12'

10'

12'

END TAPER

STA. 139+38
MATCH EXISTING
MARKINGS

TRAFFIC MARKING KEY

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4"WD-1	4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
4"DY	4" DOUBLE YELLOW LINE
8"W	8" WHITE LINE
24"W	24" WHITE LINE

SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

SIGNING AND STRIPING
4 OF 7

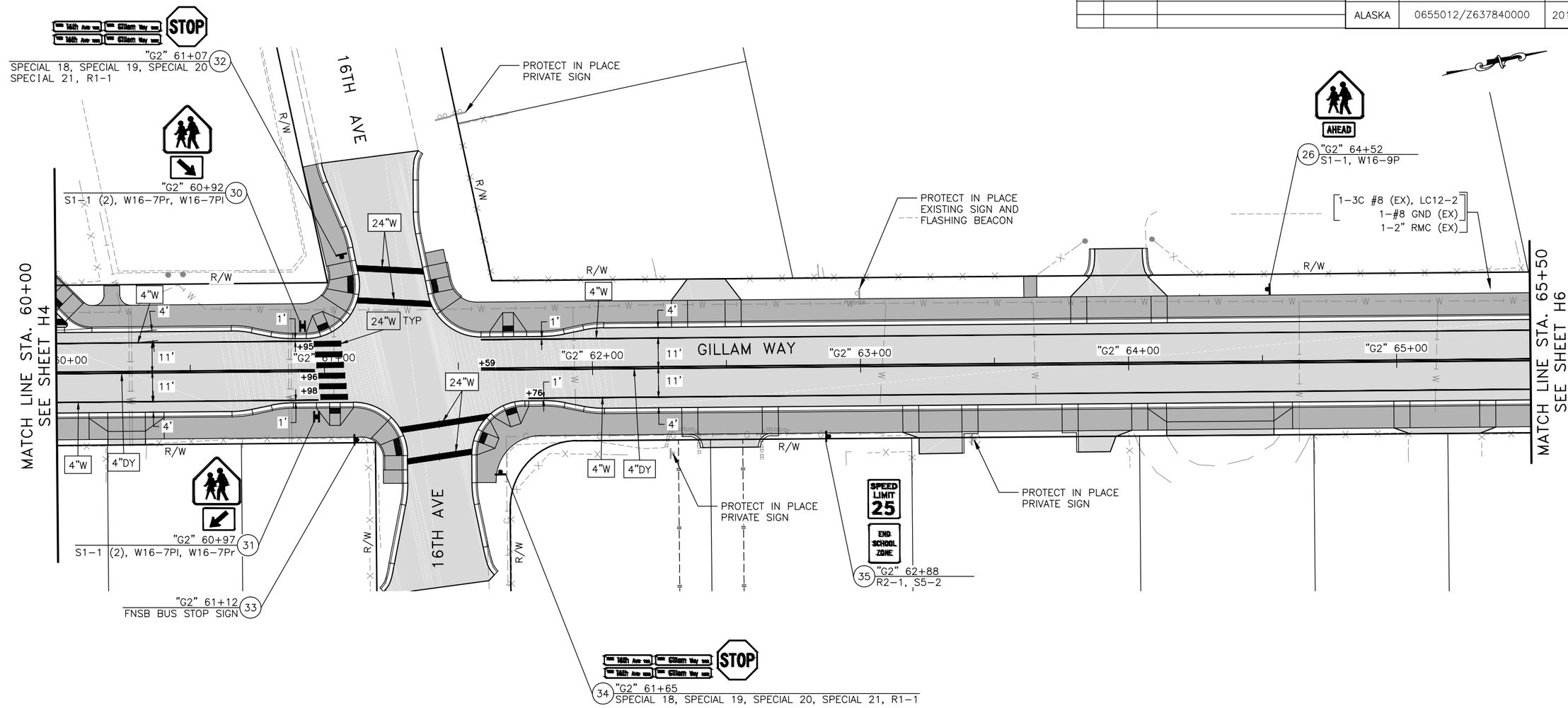
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
REVIEW
PS&E
PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H1-H7_SIGNSTRIPE.DWG PLOTTED: Nov 16, 2018 - 9:25:39 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H5	H14



TRAFFIC MARKING KEY

4"W	4" WHITE LINE
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24"W	24" WHITE LINE

SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

SIGNING AND STRIPING
5 OF 7

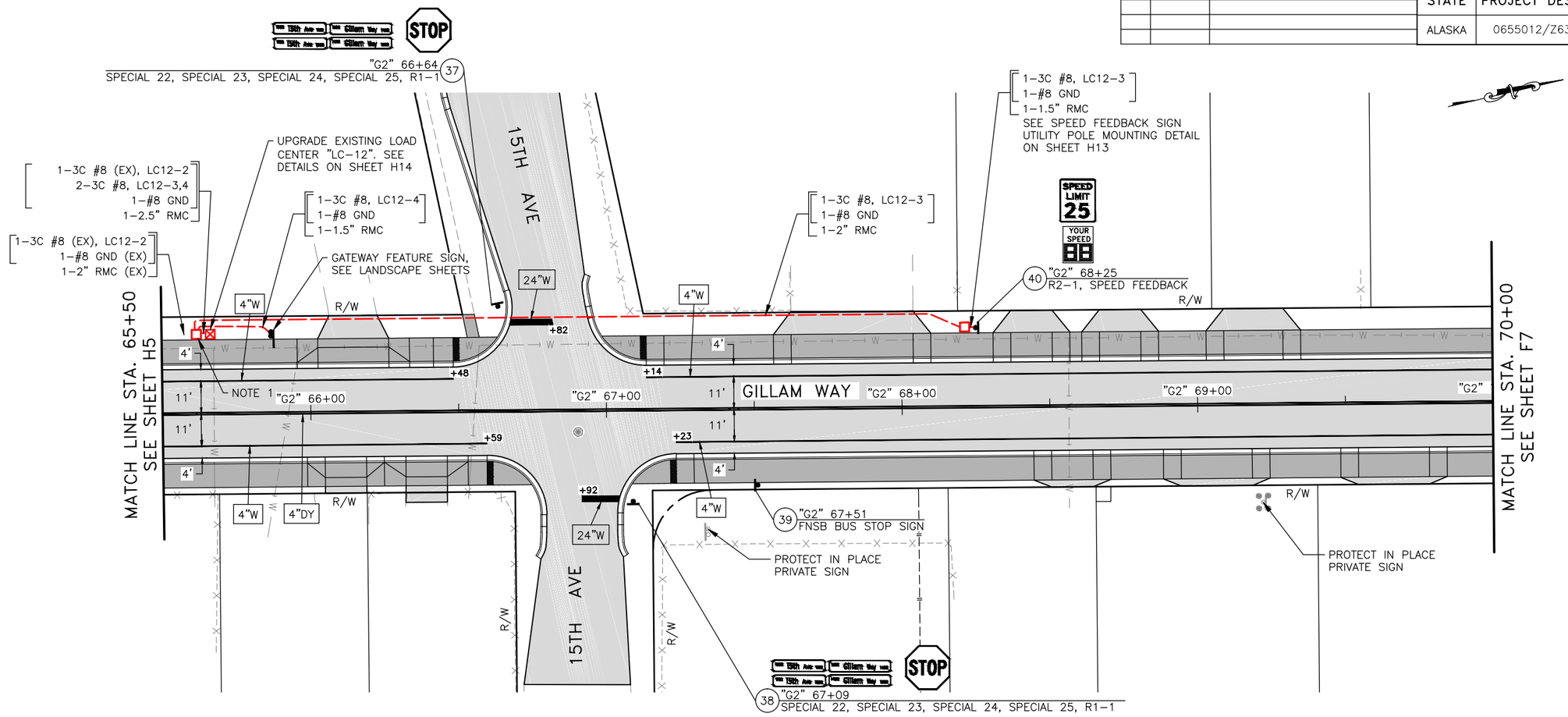
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H1-H7_SIGNSTRIPE.DWG PLOTTED: Nov 16, 2018 - 9:25:46 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H6	H14



NOTE:

1. REMOVE EXISTING 2" RMC RISER (FROM FLASHER BEACON) TO LC12 LIGHTING CONTROLLER, AND CUT BACK RMC BELOW GRADE AS REQUIRED TO EXTEND NEW CONDUIT ELBOW INTO JUNCTION BOX AT BACK OF SIDEWALK. PROVIDE NEW 2-1/2" RMC RISER FROM NEW JUNCTION BOX TO BOTTOM OF NEW LC12 SERVICE EQUIPMENT.

TRAFFIC MARKING KEY

4"W	4" WHITE LINE
4"WD-1	4" WHITE DOTTED LINE (2' STRIPE/6' SKIP PATTERN)
4"DY	4" DOUBLE YELLOW LINE
8"W	8" WHITE LINE
24"W	24" WHITE LINE

SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

SIGNING AND STRIPING
6 OF 7

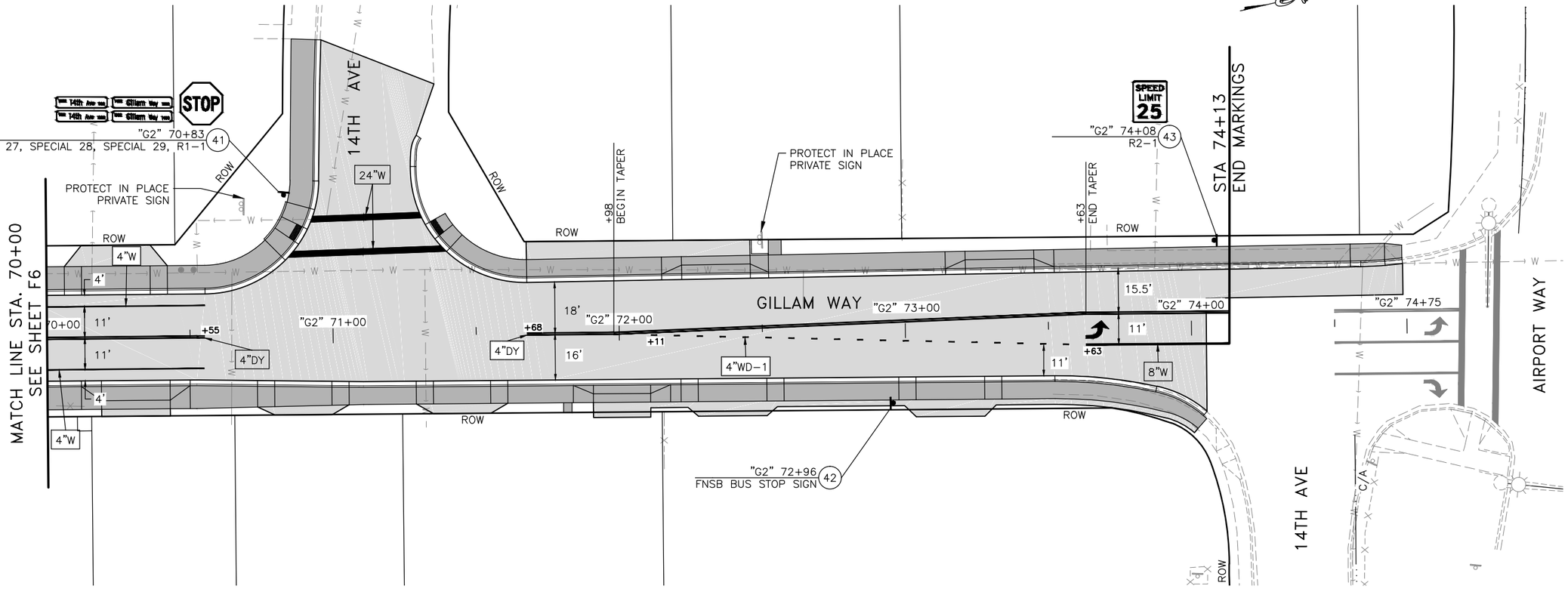
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H1-H7_SIGNSTRIPE.DWG PLOTTED: Nov 16, 2018 - 9:25:51 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H7	H14



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SIGNING KEY

(#) STATION
SIGN CODE(S)
SIGN LOCATION #

SIGNING AND STRIPING
7 OF 7

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
REVIEW
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REGISTERED ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H1-H7_SIGNSTRIPE.DWG PLOTTED: Nov 16, 2018 - 9:25:56 PM
(Brian Lewis) KE#: 00384

SIGNING SUMMARY

LOC. NO.	STATION	LOCATION LT.	LOCATION RT.	ASDS CODE	LEGEND	SIZE H (INCHES)	SIZE X	SIZE V	BRACING/ FRAMING BRACED	BRACING/ FRAMING FRAMED	AREA (SQ.FT.)	MTG. HGT. (FT.)	DIR.	POST TYPE	POST SIZE (INCHES)	POST NO.	REMARKS
1	"G1" 10+29	X		SPECIAL 1	Gllam Way 2100	42	X	8			2.33		E	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 2	2100 Gillam Way								W				
				SPECIAL 3	1000 22nd Ave 900	36	X	8			2.00		N				ONE SIGN DOUBLE SIDED
				SPECIAL 4	900 22nd Ave 1000								S				
				R1-1	STOP	30	X	30	X		6.25		N				
2	"G1" 11+55		X	R2-1	SPEED LIMIT 20 MPH	24	X	30	X		5.00		S	PST	2.5	1	
3	"G1" 13+21	X		SPECIAL 5	1000 21st Ave 900	36	X	8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 6	900 21st Ave 1000								S				
				SPECIAL 7	2100 Gllam Way 2000	42	X	8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 8	2000 Gillam Way 2100								W				
				R1-1	STOP	30	X	30	X		6.25		W				
4	"G1" 13+54		X	SPECIAL 5	1000 21st Ave 900	36	X	8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 6	900 21st Ave 1000								S				
				SPECIAL 7	2100 Gllam Way 2000	42	X	8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 8	2000 Gillam Way 2100								W				
				R1-1	STOP	30	X	30	X		6.25		E				
5	"G1" 16+50		X	R1-2	YIELD	30	X	30	X		6.25		S	PST	2.5	1	
6	"G1" 16+59	X		SPECIAL 9	1000 20th Ave 900	36	X	8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 10	900 20th Ave 1000								S				
				SPECIAL 11	2000 Gllam Way 1900	42	X	8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 12	1900 Gillam Way 2000								W				
				R1-2	YIELD	30	X	30	X		6.25		E				
7	"G1" 16+73	0		SPECIAL 13	TRAFFIC CIRCLE LANE USE (FISH-HOOK ARROW RT, THRU, LT)	24	X	30	X		5.00		S	PST	2.5	1	
				OM1-1	OBJECT MARKER	18	X	18			2.25						
8	"G1" 16+76		X	SPECIAL 13	TRAFFIC CIRCLE LANE USE (FISH-HOOK ARROW RT, THRU, LT)	24	X	30	X		5.00		E	PST	2.5	1	
				OM1-1	OBJECT MARKER	18	X	18			2.25						
9	"G1" 16+76	X		SPECIAL 13	TRAFFIC CIRCLE LANE USE (FISH-HOOK ARROW RT, THRU, LT)	24	X	30	X		5.00		W	PST	2.5	1	
				OM1-1	OBJECT MARKER	18	X	18			2.25						
10	"G1" 16+79	0		SPECIAL 13	TRAFFIC CIRCLE LANE USE (FISH-HOOK ARROW RT, THRU, LT)	24	X	30	X		5.00		N	PST	2.5	1	
				OM1-1	OBJECT MARKER	18	X	18			2.25						
11	"G1" 16+95	X		SPECIAL 11	2000 Gllam Way 1900	42	X	8			2.33		E	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL12	1900 Gillam Way 2000								W				
				SPECIAL 9	1000 20th Ave 900	36	X	8			2.00		N				ONE SIGN DOUBLE SIDED
				SPECIAL 10	900 20th Ave 1000								S				
				R1-2	YIELD	30	X	30	X		6.25		E				
12	"G1" 21+07		X	D3-201	(FISH-HOOK ARROW LT) 19th Ave | Gillam Way (RT ARROW)	60	X	24		X	10.00		S	TS	3	2	
13	"G1" 21+76		X	W11-2	PEDESTRIAN WARNING	30	X	30	X		6.25		E	PST	2.5	1	
				W16-7PI	(DOWN LT ARROW)	24	X	12			2.00						
14	"G1" 21+75	X		W11-2	PEDESTRIAN WARNING	30	X	30	X		6.25		W	PST	2.5	1	
				W16-7PI	(DOWN LT ARROW)	24	X	12			2.00						
15	"G1" 21+92		X	R1-2	YIELD	30	X	30	X		6.25		SE	PST	2.5	1	
16	"G2" 51+82		X	R1-2	YIELD	30	X	30	X		6.25		SW	PST	2.5	1	
17	"G2" 52+08	0		SPECIAL 30	TRAFFIC CIRCLE LANE USE (FISH-HOOK ARROW RT, THRU)	24	X	30	X		5.00		S	PST	2.5	1	
				OM1-1	OBJECT MARKER	18	X	18			2.25						

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H8	H14

SIGNING NOTES:

1. REMOVE AND DISPOSE OF ALL EXISTING SIGNS AND SIGN POST FOUNDATIONS WITHIN THE PROJECT LIMITS, EXCEPT SIGNS DESIGNATED FOR REINSTALLATION, SALVAGE, OR OTHERWISE NOTED.
2. MOUNT SIGNS PER STANDARD DRAWING S-05.01. SIGNS THAT PROJECT OVER OR WITHIN 2 FEET OF THE SIDEWALK AND PATHWAYS SHALL BE MOUNTED TO A HEIGHT OF 8 FEET.
3. DETERMINE POST LENGTHS IN THE FIELD. DO NOT EXTEND POSTS ABOVE TOP OF SIGN.
4. INSTALL PST POSTS WITH SLEEVE TYPE SOIL EMBEDMENT PER STANDARD DRAWING S-30.04. ATTACH THE SIGN POST USING GALVANIZED 3/8" DIA. BOLT, NUT, SPLIT LOCK WASHER AND TWO FLAT WASHERS.
5. INSTALL "TUBE POST SIGN BRACING" AS SHOWN ON STANDARD DRAWING S-01.01 ON ALL SIGNS MOUNTED ON A SINGLE PST POST AND HAVING A HORIZONTAL DIMENSION OF 30 INCHES OR GREATER, EXCEPT D3-100 SERIES SIGNS. INSTALL GALVANIZED SPLIT LOCK WASHERS ON ALL 3/8" BOLTS. STAINLESS STEEL FASTENER HARDWARE MAY BE USED INSTEAD OF GALVANIZED. 1/4" X 1 1/2" ALUMINUM ALLOY 6061-T6 BAR MAY ALSO BE USED TO FABRICATE SIGN BRACES.
6. ATTACH ALL SIGNS TO THEIR SUPPORTS WITH 3/8" DIA. BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO POSTS WITH ALUMINUM DRIVE RIVETS. WIND WASHERS ARE NOT REQUIRED WITH DRIVE RIVETS. INCLUDE SPLIT LOCK WASHERS WHEN BOLTS ARE USED.
7. ALL FASTENER HARDWARE SHALL MEET THE REQUIREMENTS OF THE "FASTENER SPECIFICATION TABLE" ON SHEET H11.
8. SIGNS INSTALLED ON LIGHT POLES MAY REQUIRE TEMPORARY INSTALLATION ON 2-1/2" PST POST UNTIL LIGHT POLES ARE IN PLACE. THIS WORK IS SUBSIDIARY TO PAY ITEM 615(1).
9. STOP (R1-1) SIGN LOCATIONS, ESPECIALLY THOSE LOCATED AT LARGE RADIUS INTERSECTIONS, MAY NEED ADJUSTMENT IN THE FIELD. THE ENGINEER WILL APPROVE FINAL LOCATIONS.
10. WHERE TWO DIFFERENT D3-100 SERIES SIGNS ARE TO BE LOCATED ON THE SAME POST, INSTALL THE CROSS-STREET PANEL IN THE LOWER POSITION. SEE SHEET H11 FOR DETAIL.
11. D3-100(2) INDICATES TWO SEPARATE SINGLE SIDED SIGN PANELS; AND D3-100 INDICATES ONE SINGLE SIDED SIGN PANEL. PROVIDE SIGN BRACING AS INDICATED ON SHEET XX AND STANDARD DRAWING S-01.01.
12. MAINTAIN EXISTING SIGNS UNTIL NEW SIGNS ARE INSTALLED. DO NOT LEAVE DUPLICATE OR CONFLICTING SIGNING UP AT ANY TIME.
13. ALL SIGNS NOTED FOR REMOVAL AND REINSTALLATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THEY ARE DAMAGED DURING THE RELOCATION EFFORT.
14. USE SERIES C LETTERS FOR D3-100 SERIES SIGNS UNLESS OTHERWISE NOTED. USE 4.5-INCH FOR DIMENSION "E" FOR 12-INCH D3-100 SIGNS. THE LETTERING INDICATING THE TYPE OF STREET (SUCH AS St, Ave, OR Rd) SHALL BE UPPER CASE AND LOWER CASE. USE A 3" HORIZONTAL SPACING BETWEEN WORDS ON D3-100 SIGNS UNLESS OTHERWISE NOTED. THIS MODIFIES THE ASDS.
15. LOCATE AND PROTECT ALL NEW AND EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGN POSTS. NOT ALL UTILITIES MAY BE SHOWN ON THE SIGNING AND STRIPING PLANS. SEE OTHER PROJECT PLAN SHEETS AND AS-BUILT DRAWINGS FOR ADDITIONAL INFORMATION.
16. CLEARING AS DIRECTED BY THE ENGINEER MAY BE REQUIRED TO ENSURE ADEQUATE VISIBILITY OF SIGNS. THIS WORK IS SUBSIDIARY TO PAY ITEM 615(1).
17. PROVIDE WEATHER TIGHT CAPS ON ALL TUBE POSTS, EXCEPT PERFORATED STEEL TUBES.
18. PROVIDE FRANGIBLE COUPLING SYSTEMS IN ACCORDANCE WITH STANDARD DRAWING S-31.01.
19. HINGED JOINTS WITH FRANGIBLE FUSE PLATE ARE REQUIRED ON ALL MULTIPLE POST SIGNS WITH FRANGIBLE COUPLING SYSTEMS. THE HINGE LOCATION ON ALL POSTS SHALL BE THE SAME DISTANCE BELOW THE SIGNS, INSTEAD OF THE 6 INCH MINIMUM SHOWN ON STANDARD DRAWING S-31.01. SEE MANUFACTURER'S SPECIFICATION FOR HINGE LOCATION BELOW SIGN.
20. UNLESS OTHERWISE NOTED, RELOCATE EXISTING (SALVAGED) SIGNS TO LOCATIONS IDENTIFIED IN THE SIGNING SUMMARY USING NEW POSTS, FOUNDATIONS, BRACING/FRAMING, MOUNTING BRACKETS, AND FASTENERS. THIS WORK SHALL BE SUBSIDIARY TO PAY ITEM 615(1) STANDARD SIGN.
21. ADJUST SIGN LOCATIONS AT THE DIRECTION OF THE ENGINEER.

POST TYPE CODING:

TS = SQUARE STRUCTURAL STEEL TUBING
PST = PERFORATED STEEL TUBING

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC

11/16/2018 REVIEW PS&E

SIGNING SUMMARY
1 OF 2

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H8-H10_SIGN SUMMARY.DWG PLOTTED: Nov 16, 2018 - 9:26:05 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H9	H14

SIGNING SUMMARY

LOC. NO.	STATION	LOCATION LT.	LOCATION RT.	ASDS CODE	LEGEND	SIZE H X V (INCHES)	BRACING/ FRAMING BRACED	BRACING/ FRAMING FRAMED	AREA (SQ.FT.)	MTG. HGT. (FT.)	DIR.	POST TYPE	POST SIZE (INCHES)	POST NO.	REMARKS
18	"G2" 52+11		X	SPECIAL 31	TRAFFIC CIRCLE LANE USE (FISH-HOOK ARROW RT, LT)	24 X 30	X		5.00		E	PST	2.5	1	
				OM1-1	OBJECT MARKER	18 X 18			2.25						
19	"G2" 52+14	X		SPECIAL 32	TRAFFIC CIRCLE LANE USE (FISH-HOOK ARROW THRU, LT)	24 X 30	X		5.00		N	PST	2.5	1	
				OM1-1	OBJECT MARKER	18 X 18			2.25						
20	"G2" 52+41	X		R1-2	YIELD	30 X 30	X		6.25		N	PST	2.5	1	
21	"G2" 53+00		X	S1-1	SCHOOL ZONE	30 X 30	X		6.25		S	PST	2.5	1	
				W16-9P	AHEAD	24 X 12			2.00						
22	"G2" 53+94		X	D3-201	(FISH-HOOK ARROW LT) Gillam Way | 19th Ave (RT ARROW)	60 X 24		X	10.00		S	TS	3	2	
23	"G2" 54+46	X		R2-1	SPEED LIMIT 20 MPH	24 X 30	X		5.00		N	PST	2.5	1	
				S5-2	END SCHOOL ZONE	24 X 30			5.00						
24	"G2" 55+00		X	SPECIAL 14	1700 Gllam Way 1600	36 X 8			2.00		E	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 15	1600 Gillam Way 1700						W				
				SPECIAL 16	1000 17th Ave 900	42 X 8			2.33		N				ONE SIGN DOUBLE SIDED
				SPECIAL 17	900 17th Ave 1000						S				
				R1-1	STOP	30 X 30	X		6.25		S				
				R1-4	ALL WAY	18 X 6			0.75		S				
25	"G2" 55+03	X		SPECIAL 16	1000 17th Ave 900	36 X 8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 17	900 17th Ave 1000						S				
				SPECIAL 14	1700 Gllam Way 1600	42 X 8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 15	1600 Gillam Way 1700						W				
				R1-1	STOP	30 X 30	X		6.25		W				
				R1-4	ALL WAY	18 X 6			0.75		W				
26	"G2" 55+71		X	SPECIAL 16	1000 17th Ave 900	36 X 8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 17	900 17th Ave 1000						S				
				SPECIAL 14	1700 Gllam Way 1600	42 X 8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 15	1600 Gillam Way 1700						W				
				R1-1	STOP	30 X 30	X		6.25		E				
				R1-4	ALL WAY	18 X 6			0.75		E				
27	"G2" 55+72	X		SPECIAL 14	1700 Gllam Way 1600	36 X 8			2.00		E	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 15	1600 Gillam Way 1700						W				
				SPECIAL 16	1000 17th Ave 900	42 X 8			2.33		N				ONE SIGN DOUBLE SIDED
				SPECIAL 17	900 17th Ave 1000						S				
				R1-1	STOP	30 X 30	X		6.25		N				
				R1-4	ALL WAY	18 X 6			0.75		N				
28	"G2" 56+36	X		R5-1	DO NOT ENTER	30 X 30	X		6.25		E	PST	2.5	1	
29	"G2" 57+14	X		R5-1	DO NOT ENTER	30 X 30	X		6.25		S				
30	"G2" 60+92	X		S1-1 (2)	SCHOOL ZONE	30 X 30	X		12.50		N/S	PST	2.5	1	
				W16-7Pr	(DOWN RT ARROW)	24 X 12			2.00		S				
				W16-7Pl	(DOWN LT ARROW)	24 X 12			2.00		N				
31	"G2" 60+97	X		S1-1 (2)	SCHOOL ZONE	30 X 30	X		12.50		N/S	PST	2.5	1	
				W16-7Pl	(DOWN LT ARROW)	24 X 12			2.00		S				
				W16-7Pr	(DOWN RT ARROW)	24 X 12			2.00		N				
32	"G2" 61+02	X		SPECIAL 18	1000 16th Ave 900	36 X 8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 19	900 16th Ave 1000						S				
				SPECIAL 20	1600 Gllam Way 1500	42 X 8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 21	1500 Gillam Way 1600						W				
				R1-1	STOP	30 X 30	X		6.25		W				
33	"G2" 61+12		X	SPECIAL	FNSB BUS STOP SIGN	X					S	PST	2.5	1	INSTALL EXISTING PANEL ON NEW POST

SIGNING SUMMARY

LOC. NO.	STATION	LOCATION LT.	LOCATION RT.	ASDS CODE	LEGEND	SIZE H X V (INCHES)	BRACING/ FRAMING BRACED	BRACING/ FRAMING FRAMED	AREA (SQ.FT.)	MTG. HGT. (FT.)	DIR.	POST TYPE	POST SIZE (INCHES)	POST NO.	REMARKS
34	"G2" 61+65		X	SPECIAL 18	1000 16th Ave 900	36 X 8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 19	900 16th Ave 1000						S				
				SPECIAL 20	1600 Gllam Way 1500	42 X 8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 21	1500 Gillam Way 1600						W				
				R1-1	STOP	30 X 30	X		6.25		E				
35	"G2" 62+88		X	R2-1	SPEED LIMIT 25 MPH	24 X 30	X		5.00		S	PST	2.5	1	
				S5-2	END SCHOOL ZONE	24 X 30			5.00						
36	"G2" 64+52	X		S1-1	SCHOOL ZONE	30 X 30	X		6.25		N	PST	2.5	1	
				W16-9P	AHEAD	24 X 12			2.00						
37	"G2" 66+64	X		SPECIAL 22	1000 15th Ave 900	36 X 8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 23	900 15th Ave 1000						S				
				SPECIAL 24	1500 Gllam Way 1400	42 X 8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 25	1400 Gillam Way 1500						W				
				R1-1	STOP	30 X 30	X		6.25		W				
38	"G2" 67+09	X		SPECIAL 22	1000 15th Ave 900	36 X 8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 23	900 15th Ave 1000						S				
				SPECIAL 24	1500 Gllam Way 1400	42 X 8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 25	1400 Gillam Way 1500						W				
				R1-1	STOP	30 X 30	X		6.25		E				
39	"G2" 67+51		X	SPECIAL	FNSB BUS STOP SIGN	X					S	PST	2.5	1	INSTALL EXISTING PANEL ON NEW POST
40	"G2" 68+25	X		R2-1	SPEED LIMIT 20 MPH	24 X 30	X		5.00		N				MOUNT ON UTILITY POLE. SEE DETAIL ON H12
				SPECIAL	SPEED FEEDBACK	X									
41	"G2" 70+83	X		SPECIAL 26	1000 14th Ave 900	36 X 8			2.00		N	PST	2.5	1	ONE SIGN DOUBLE SIDED
				SPECIAL 27	900 14th Ave 1000						S				
				SPECIAL 28	1400 Gllam Way 1300	42 X 8			2.33		E				ONE SIGN DOUBLE SIDED
				SPECIAL 29	1300 Gillam Way 1400						W				
				R1-1	STOP	30 X 30	X		6.25		W				
42	"G2" 72+96		X	SPECIAL	FNSB BUS STOP SIGN	X					S	PST	2.5	1	INSTALL EXISTING PANEL ON NEW POST
43	"G2" 74+08	X		R2-1	SPEED LIMIT 25 MPH	24 X 30	X		5.00		N	PST	2.5	1	
								TOTAL	360.42	SF					

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

SIGNING SUMMARY
2 OF 2

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H8-H10_SIGN SUMMARY.DWG PLOTTED: Nov 16, 2018 - 9:26:11 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H10	H14

SALVAGE SIGN SUMMARY

ALIGNMENT	STATION	CL REF	ASDS CODE	LEGEND	REMARKS
G1	10+29.42	24.2' LT	D3-100	GILLAM WAY	
			D3-100	22ND AVE	
			R1-1	STOP	
G1	13+21.11	26.9' LT	D3-100	GILLAM WAY	
			D3-100	21ST AVE	
			R1-1	STOP	
G1	13+53.94	31.4' RT	D3-100	21ST AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
G1	14+42.88	20.3' RT	W11-2	PED CROSS	
G1	16+56.32	28.7' LT	D3-100	20TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
G1	18+85.55	24.7' LT	W11-2	PED CROSS	
G2	51+85.92	31.9' LT	D3-100	19TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
G2	52+39.06	24.1' RT	S1-1	SCHOOL ZONE CROSSING	
			W16-9P	AHEAD	
G2	53+40.31	28.1' LT	W11-2	PED CROSS	
G2	53+92.50	24.4' LT	S5-2	END SCHOOL ZONE	
G2	54+13.95	24' LT	R2-1	SPEED LIMIT 20	
G2	54+89.30	111.5' LT	R3-8	LANE USE	
G2	54+98.64	51.3' LT	D3-100	GILLAM WAY	
			D3-100	17TH AVE	
			R1-1	STOP	
			R1-4	ALL WAY	
G2	55+02.29	30.6' RT	R1-1	STOP	
			R1-4	ALL WAY	
G2	55+73.23	35.6' LT	D3-100	17TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
			R1-4	ALL WAY	
G2	55+74.36	56.2' RT	D3-100	17TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
			R1-4	ALL WAY	
G2	55+86.12	117.7' RT	R3-8	LANE USE	
G2	56+36.76	30.7' LT	R5-1	DO NOT ENTER	
G2	56+63.25	26.4' LT	R7P-101	NO PARKING ANY TIME	
G2	57+14.54	28.4' LT	R5-1	DO NOT ENTER	
G2	58+82.14	27.9' RT	R7P-101	NO PARKING ANY TIME	
			SPECIAL	YOU ARE NOW ENTERING A WEED AND SEED COMMUNITY	

SALVAGE SIGN SUMMARY

ALIGNMENT	STATION	CL REF	ASDS CODE	LEGEND	REMARKS
G2	60+68.30	26.4' RT	SPECIAL	FNSB BUS STOP SIGN	RELOCATE
G2	60+97.29	36.9' LT	D3-100	16TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
G2	61+63.99	30.2' RT	R1-1	STOP	
G2	62+87.73	22.5' RT	R2-1	SPEED LIMIT 25	
			S5-2	END SCHOOL ZONE	
G2	64+51.84	27.2' LT	S1-1	SCHOOL ZONE CROSSING	
			W16-9P	AHEAD	
G2	66+57.22	36' LT	D3-100	15TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
G2	67+15.61	29.1' RT	D3-100	15TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
G2	67+60.64	21.6' RT	SPECIAL	FNSB BUS STOP SIGN	RELOCATE
G2	70+40.40	30.3' LT	R7P-101	NO PARKING ANY TIME	
G2	70+80.77	53.3' LT	D3-100	14TH AVE	
			D3-100	GILLAM WAY	
			R1-1	STOP	
G2	70+82.84	78.5' LT	R7P-101	NO PARKING ANY TIME	
G2	72+98.25	24.4' RT	SPECIAL	FNSB BUS STOP SIGN	RELOCATE
G2	74+08.49	31.9' LT	R2-1	SPEED LIMIT 25 MPH	

SIGN SALVAGE AND DISPOSAL NOTES:

1. DELIVER SALVAGED SIGN PANELS, NOT IDENTIFIED FOR REUSE IN THE SIGNING SUMMARY, TO THE CITY OF FAIRBANKS PUBLIC WORKS LOCATED AT 2121 PEGER ROAD. CONTACT ROBERT PRISTASH, CITY OF FAIRBANKS ENGINEERING DEPARTMENT, TO ARRANGE FOR DELIVERY.

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC

11/16/2018 REVIEW PS&E

SALVAGE SIGN SUMMARY

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H8-H10_SIGN SUMMARY.DWG PLOTTED: Nov 16, 2018 - 9:26:14 PM (Brian Lewis) KE#: 00384

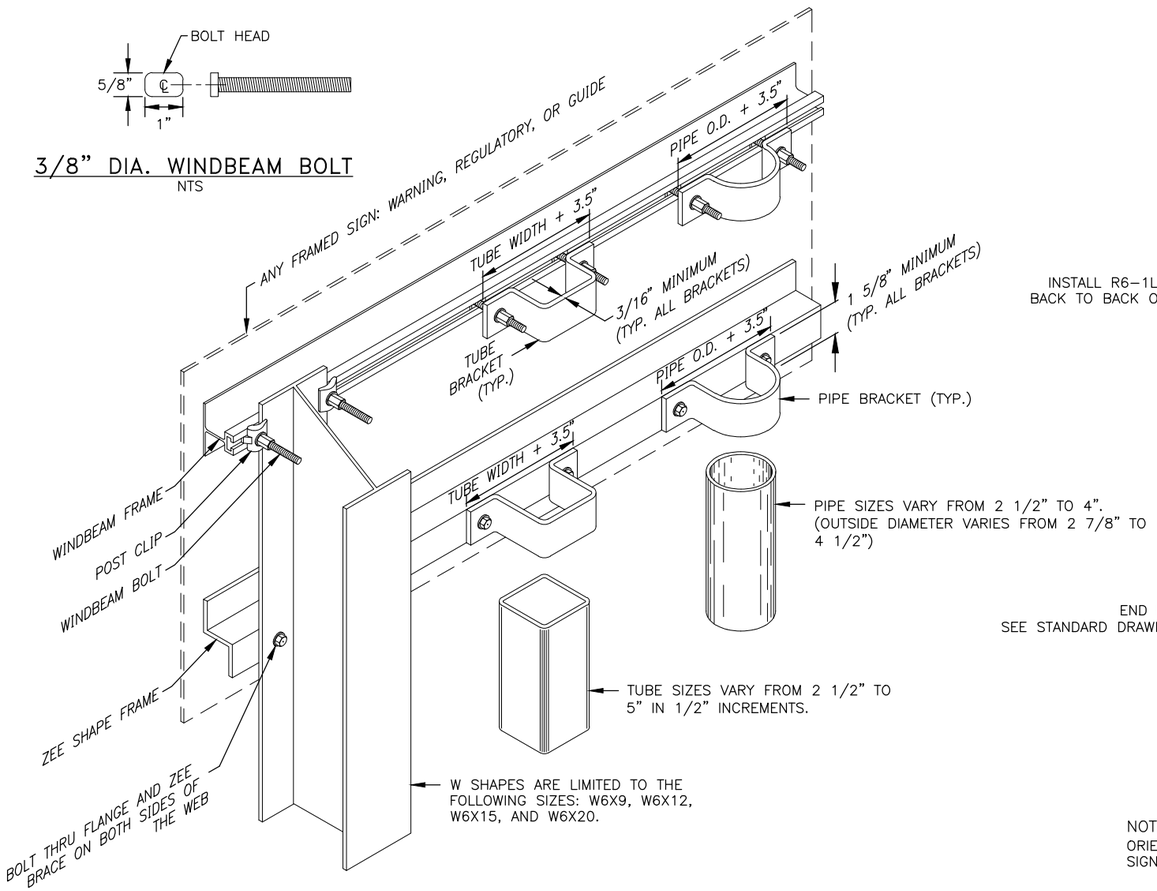
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H11	H14

FASTENER SPECIFICATION TABLE		
FASTENERS	STEEL	STAINLESS STEEL
BOLTS	ASTM A 307	ASTM F 593
NUTS	ASTM A 563	ASTM F 594
WASHERS	ASTM F 844	ASTM A 480

THESE SPECIFICATIONS APPLY TO ALL SIGN FASTENER HARDWARE ON THE PROJECT.

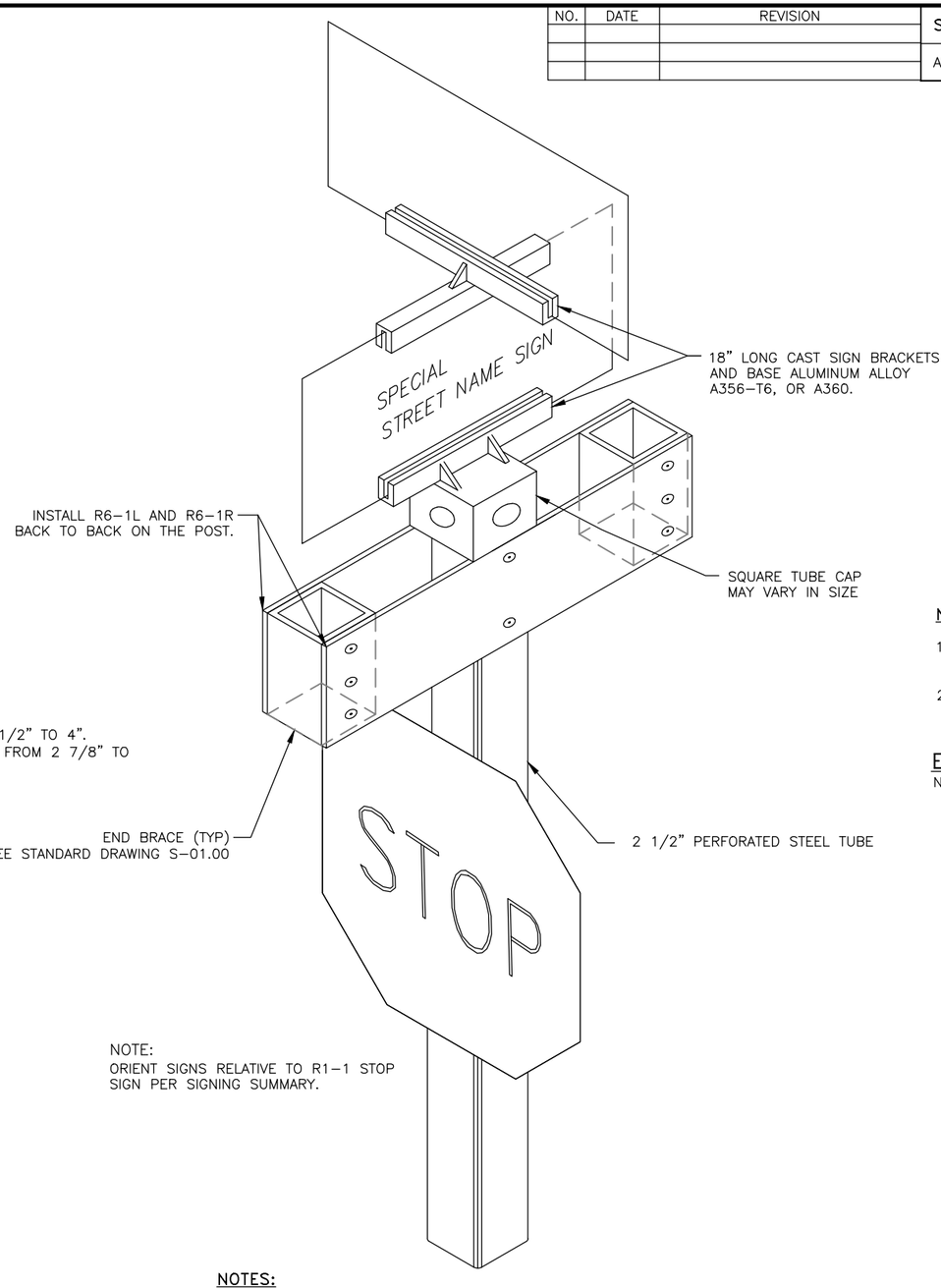
3/8" DIA. WINDBEAM BOLT
NTS



NOTES:

1. ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES OR A BRACKET WITH SQUARE CORNERS ON TUBES.
2. THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
3. THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
4. ALUMINUM ALLOY 6061-T6 SHALL BE USED FOR ZEE SHAPE FRAMING AND RIVETS.

FRAMED SIGN ATTACHMENT BRACKETS
NTS

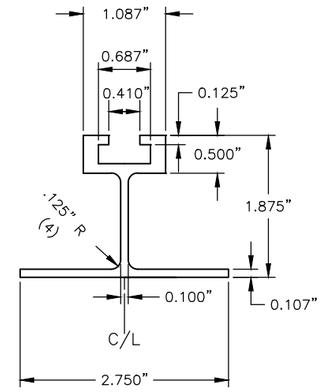


NOTE:
ORIENT SIGNS RELATIVE TO R1-1 STOP SIGN PER SIGNING SUMMARY.

NOTES:

1. VERTICALLY SEPARATE R1-1 (STOP) SIGN AND ALL OTHER SIGN ASSEMBLIES MOUNTED ON THE SAME POST BY 2-1/2 INCHES.

STREET NAME SIGN DETAIL
NTS



NOTES:

1. ALUMINUM ALLOY 6061-T6 SHALL BE USED FOR EXTRUDED WINDBEAM AND RIVETS.
2. ATTACH SIGNS TO WINDBEAM WITH 3/6" RIVETS AT 4" STAGGERED SPACING.

EXTRUDED ALUMINUM WINDBEAM
NTS

SIGN DETAILS
1 OF 2

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
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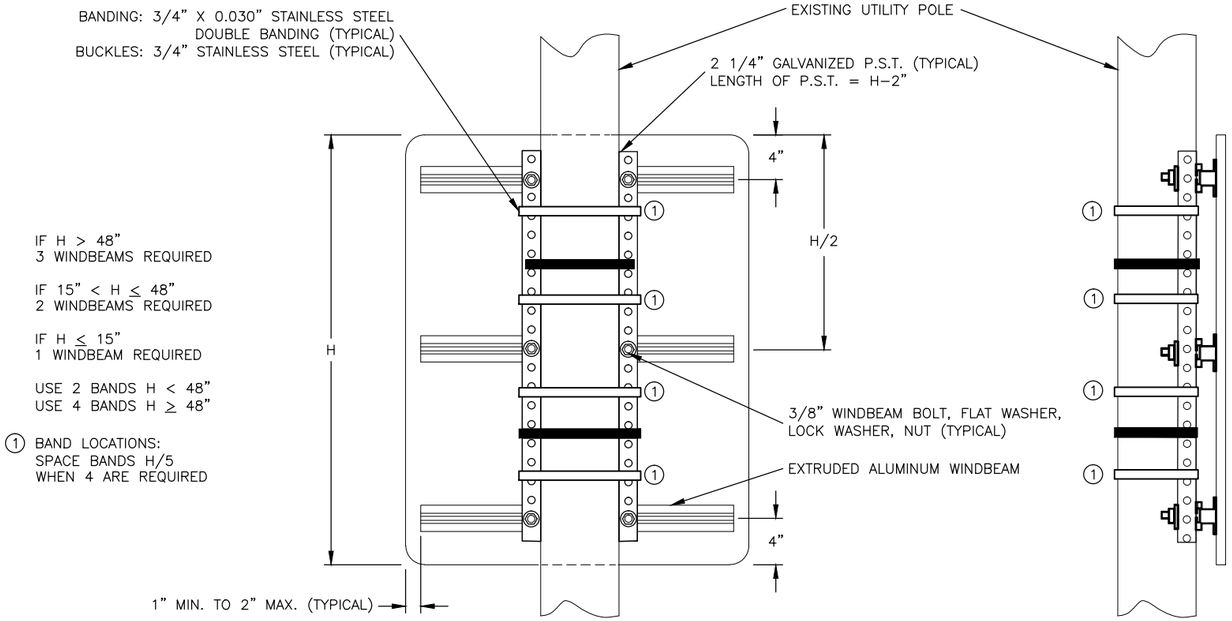
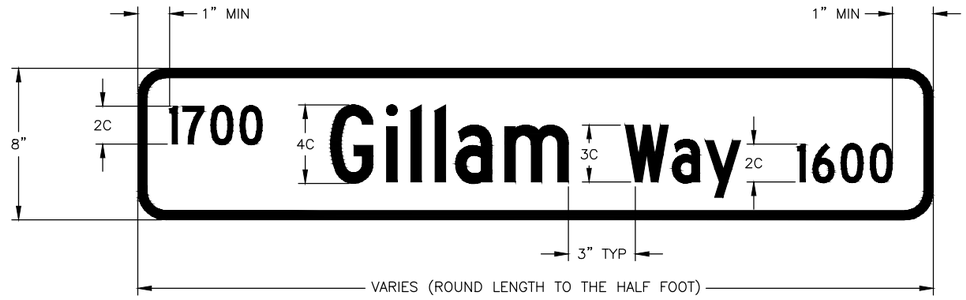
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H13_SIGN DETAILS.DWG PLOTTED: Nov 16, 2018 - 9:26:21 PM (Brian Lewis) KE#: 00384

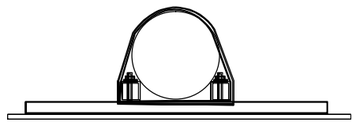
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H12	H14





NOTE:
ATTACH SIGN TO WINDBEAMS WITH 3/16" RIVETS AT 4" STAGGERED SPACING.



LIGHT/SIGNAL POLE SIGN FRAMING & MOUNTING DETAILS
NTS

SIGN DETAILS
2 OF 2

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

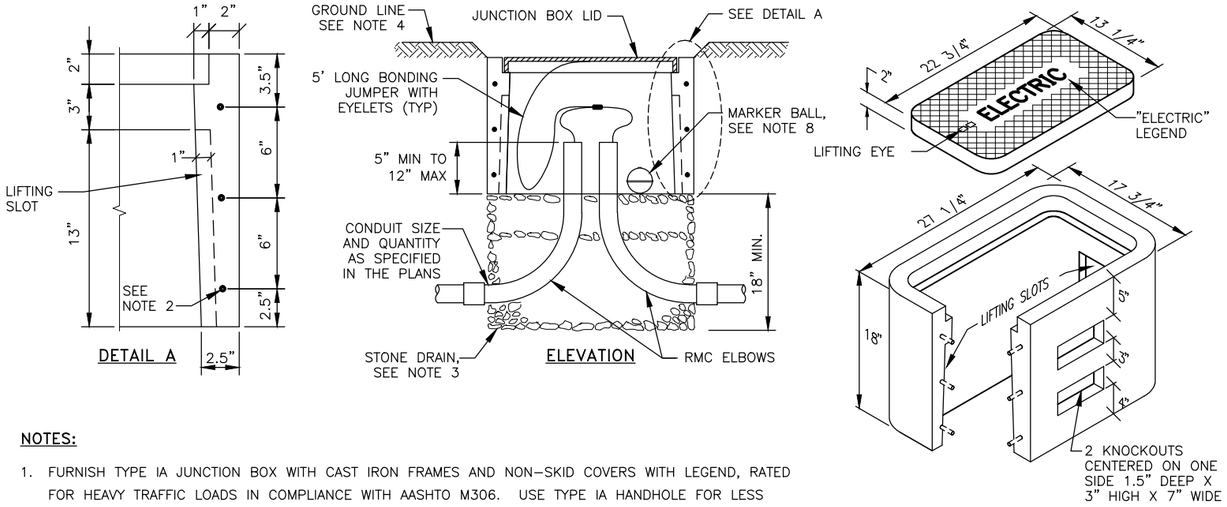
11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H13_SIGN DETAILS.DWG PLOTTED: Nov 16, 2018 - 9:26:23 PM (Brian Lewis) KE#: 00384

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H13_SIGN DETAILS.DWG PLOTTED: Nov 16, 2018 - 9:26:28 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

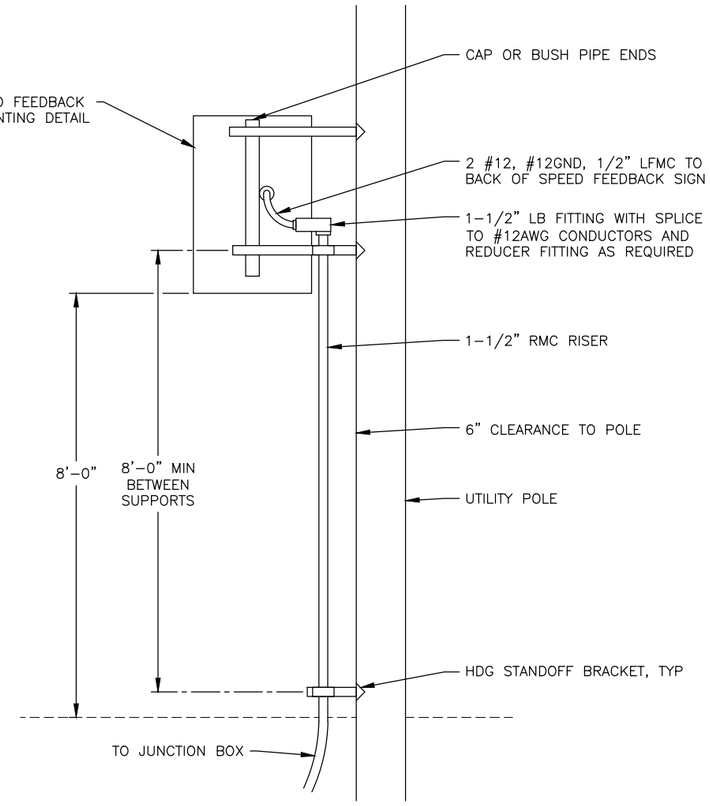
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H13	H14



NOTES:

1. FURNISH TYPE IA JUNCTION BOX WITH CAST IRON FRAMES AND NON-SKID COVERS WITH LEGEND, RATED FOR HEAVY TRAFFIC LOADS IN COMPLIANCE WITH AASHTO M306. USE TYPE IA HANDHOLE FOR LESS THAN 12 INCHES TOTAL SUM OF CONDUIT DIAMETERS CONTAINED IN THE BOX.
2. CONSTRUCT JUNCTION BOXES ACCORDING TO SECTION 501 USING CLASS A CONCRETE, REINFORCED AS SHOWN. SYNTHETIC STRUCTURAL FIBER-REINFORCED CONCRETE THAT COMPLIES WITH ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER MAY BE ADDED FOR STRENGTH. REINFORCEMENT SHALL CONSIST OF A 9-GAUGE WELDED WIRE FRAME OR 3 - 6 GAUGE HORIZONTAL WIRE HOOPS.
3. INSTALL STONE DRAINS UNDER JUNCTION BOXES THAT CONSIST OF POROUS BACKFILL MATERIAL; SEE SPEC 662-3.06. PROVIDE COMPACTION AS REQUIRED TO PREVENT SETTLEMENT.
4. SET JUNCTION BOXES 3/16" BELOW FINISHED GRADE IN PAVED AREAS; SET 1/2" BELOW FINISHED GRADE IN ALL OTHER AREAS.
5. AVOID INSTALLING TYPE IA JUNCTION BOXES IN DRIVEWAYS OR IN LOCATIONS SUBJECT TO USE BY HEAVY TRUCKS. INSTALL JUNCTION BOXES ONLY AT THE LATERAL LOCATIONS ALLOWED IN SUBSECTION 660-3.04.
6. BOND JUNCTION BOX LIDS TO THE SYSTEM OF EQUIPMENT GROUNDING CONDUCTORS ACCORDING TO SUBSECTION 660-3.06. ATTACH BONDING JUMPERS TO THE JUNCTION BOX LIDS WITH STAINLESS STEEL HARDWARE.
7. INSTALL A 1/2" THICK PREFORMED BITUMINOUS JOINT MATERIAL AROUND JUNCTION BOXES INSTALLED IN PORTLAND CEMENT CONCRETE WALKWAYS.
8. INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660-3.04.

SPEED FEEDBACK SIGN UTILITY POLE MOUNTING DETAIL
NTS



SPEED FEEDBACK SIGN - ELEVATION DETAIL
NTS

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2016
REVIEW
P&E

ELECTRICAL SIGN DETAILS

(Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	H14	H14

LOAD CENTER SUMMARY

LOAD CENTER TAG: **LC12** TYPE: 3
LOCATION: GILLAM WAY, G2 65+68 LT
REMARKS: NEW EQUIPMENT ON EXISTING POLE

UTILITY SOURCE: 25 KVA TRANSFORMER
SERVICE: 100 AMP, 240/120 VOLT, 1-PH, 3W
MAX. AVAILABLE FAULT CURRENT: 6,510 AMPS

MAIN CIRCUIT BREAKER: 100 AMP, 2-POLE, 240/120 VOLT — INTERRUPTING RATING: 10,000 AMP

DISTRIBUTION CIRCUITS: — INTERRUPTING RATING: 10,000 AMP

CKT. NO.	DESCRIPTION	CIRCUIT BREAKER TRIP	# POLES	VA / PHASE A	B	
LC12-1	CASCADE LIGHTING CONTROLLER LC12	60 AMP	2P	1052	–	
	EXISTING LED STREET LIGHTS			–	1052	
LC12-2	S. BOUND GILLAM WAY FLASHER BEACON (EXISTING)	20 AMP	1P	100	–	NOTE 3
LC12-3	S. BOUND GILLAM WAY SPEED FEEDBACK SIGN	20 AMP	1P	–	25	NOTE 2, 3
LC12-4	GILLAM WAY – GATEWAY ICON ILLUMINATED SIGN	15 AMP	1P	17	–	NOTE 3
	SPACE			–		
	SPACE				–	
	SPACE			–		
			PHASE VA TOTAL:	1169	1077	
			CONNECTED TOTAL:	2.2	KVA	10 AMP
			DEMAND TOTAL:	2.8	KVA	12 AMP

NOTES:
1. INCLUDE SURGE PROTECTIVE DEVICE ON LOAD SIDE OF MAIN BREAKER.
2. SPEED FEEDBACK SIGN: 24W ACTIVE MODE, 1W IDLE MODE TYPICAL.
3. PROVIDE ACCESSORY LOCK-OFF DEVICE FOR CIRCUIT BREAKER.

MOUNT NEW LOAD CENTER SERVICE EQUIPMENT ON STREET SIDE OF POLE USING EXISTING POLE BRACKETS.

REMOVE METER SOCKET. COORDINATE WITH GVEA TO DISCONNECT SERVICE AS REQUIRED. PRESERVE EXISTING RISER AND SERVICE CONDUCTORS FOR REUSE WITH NEW EQUIPMENT

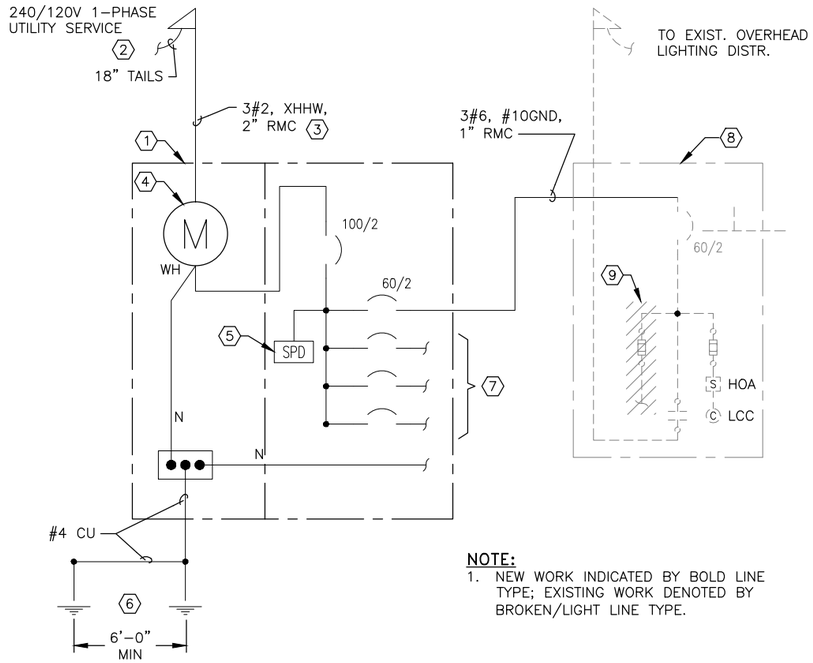
REMOVE CONDUIT FITTINGS AND CONDUCTORS FROM METER SOCKET TO CASCADE LIGHTING CONTROLLER (ETR). REPLACE CIRCUIT IN NEW WORK.

REMOVE CONDUIT RISER TO CASCADE LIGHTING CONTROLLER, AND CUT BACK TO NEW J-BOX AS NOTED ON PLAN.

PRESERVE CONDUIT BRACKET FOR USE WITH NEW CONDUIT RISER TO LOAD CENTER.

REMOVE ABANDONED CONDUIT RISER AND RELATED HARDWARE, AS NOTED ON PLAN.

PHOTO DETAIL – LOAD CENTER LC12
NTS



NOTE:
1. NEW WORK INDICATED BY BOLD LINE TYPE; EXISTING WORK DENOTED BY BROKEN/LIGHT LINE TYPE.

LOAD CENTER ONE-LINE DIAGRAM

NOTES:

1. PROVIDE NEW TYPE 3 LOAD CENTER PER SUMMARY SCHEDULE, TO COMPLY WITH SSHC SPECS, UTILITY REQUIREMENTS, AND AS FOLLOWS:
   - APPROXIMATE DIMENSIONS FOR MOUNTING IN EXISTING SPACE: 30"H X 15"W X 6"D.
   - OUTER DOOR HINGE AND LATCHING HARDWARE SHALL BE STAINLESS STEEL OR WITH APPROVED CORROSION PROTECTION. SLIP-JOINT HINGES USED TO SECURE DOOR ARE UNACCEPTABLE.
   - PADLOCK HASP AND LOOP SHALL BE FORMED HEAVY GAUGE STEEL; SHEET METAL PADLOCK LOOP IS UNACCEPTABLE.
2. COORDINATE WITH UTILITY AND INCLUDE ALL FEES FOR SERVICE DISCONNECT, RECONNECT, AND INSPECTIONS AS REQUIRED.
3. CONTRACTOR OPTION TO INSTALL NEW CONDUCTORS IN EXISTING 2" RMC RISER AND WEATHERHEAD, SUBJECT TO UTILITY REQUIREMENTS.
4. CITY OF FAIRBANKS TO ARRANGE FOR UTILITY METERING OR MODIFIED FLAT RATE SERVICE AS REQUIRED.
5. PROVIDE INTERNALLY MOUNTED SURGE PROTECTIVE DEVICE (SPD), UL 1449 LISTED, NEMA 4X WITH LED STATUS INDICATORS, 200KA SCCR, 40KA PEAK SURGE CURRENT RATING PER PHASE.
6. PROVIDE TWO 5/8" X 8' ROD ELECTRODES.
7. REFER TO LOAD CENTER SUMMARY AND PLANS FOR DISTRIBUTION CIRCUIT REQUIREMENTS.
8. EXISTING CASCADE LIGHTING CONTROLLER TO REMAIN. RECONNECT TO NEW LOAD CENTER.
9. REMOVE EXISTING FUSED TAP AT LC12 TO EXISTING FLASHER BEACON.

LOAD CENTER DETAILS

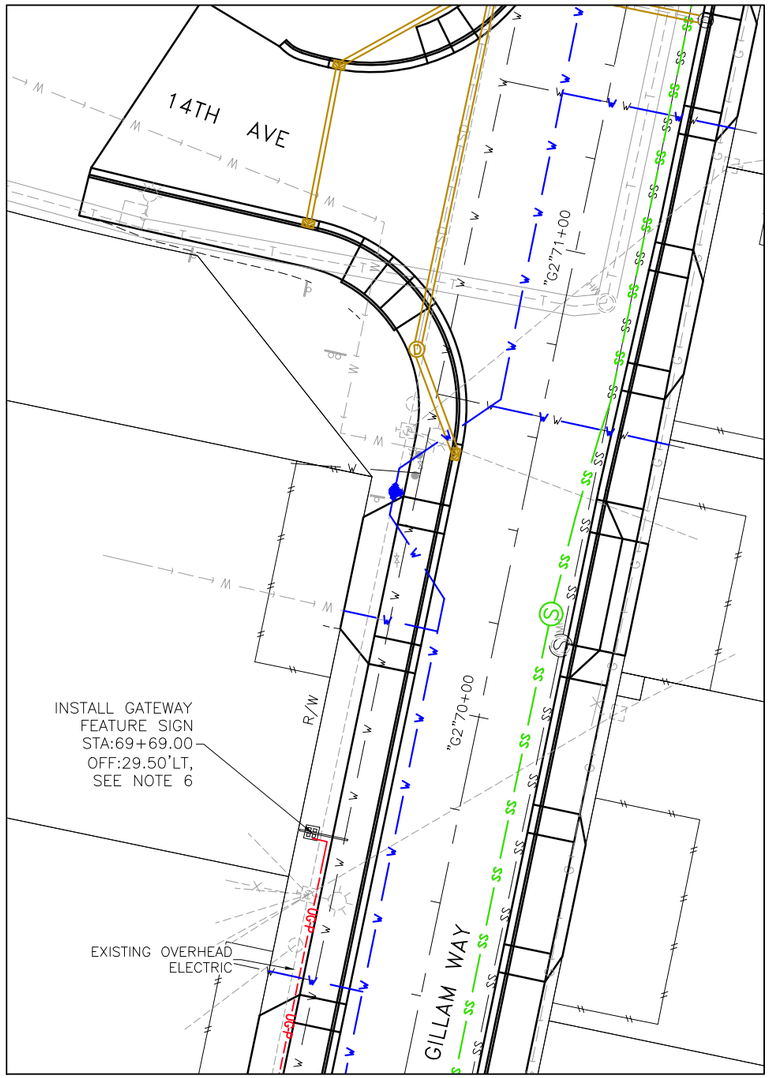
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2016
REVIEW
P&E
PE ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_H13_SIGN DETAILS.DWG PLOTTED: Nov 16, 2018 - 9:26:33 PM

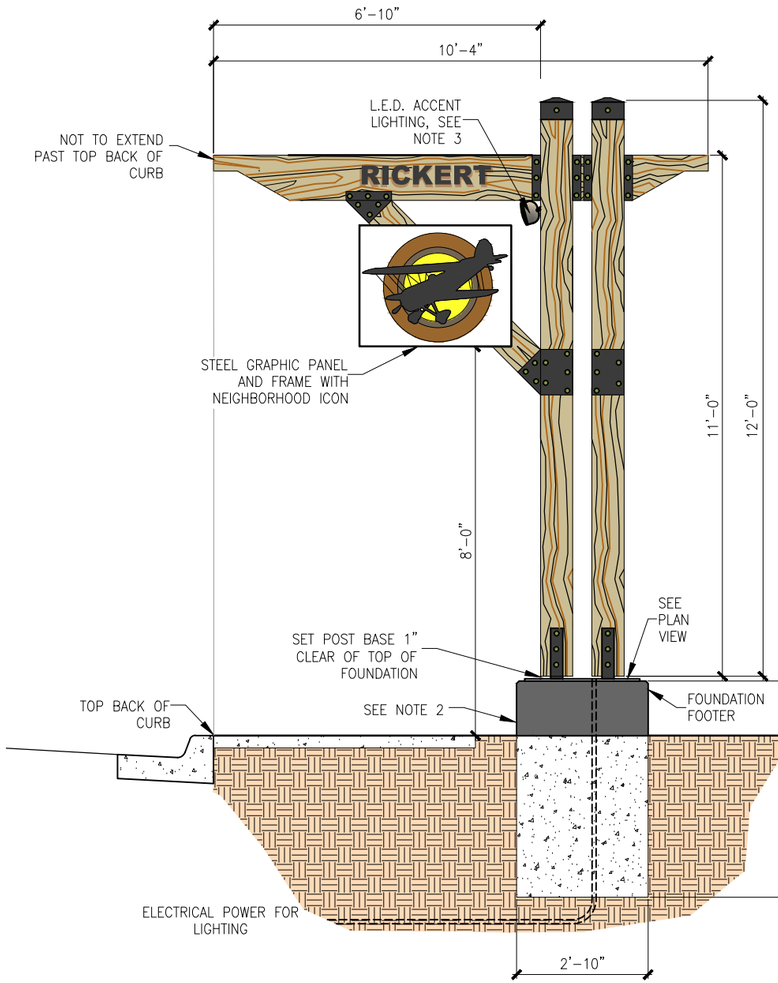
NO.	DATE	REVISION

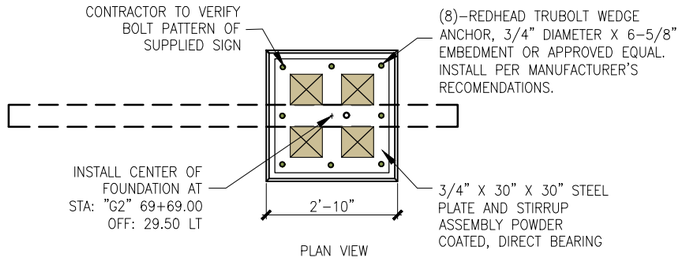
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	H16	XX



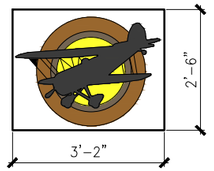
GATEWAY FEATURE "RICKERT" WITH AIRPLANE ICON

(NOT TO SCALE)

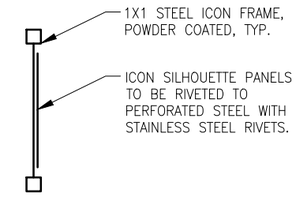




PLAN VIEW



AIRPLANE ICON



ICON FRAME

GENERAL NOTES

1. CONTRACTOR TO SIZE CONDUCTOR BASED ON LENGTH OF RUN.
2. LOCATION TO BE STAKED BY CONTRACTOR AND VERIFIED BY ENGINEER. ALL COMPONENTS OF GATEWAY FEATURE SIGN SHALL BE INSTALLED WITHIN ROW LIMITS.
3. CONDUIT TO BE 1-1/2" RMC.
4. CONDUIT LENGTH SHOWN IS FOR THE HORIZONTAL RUN.
5. CONTRACTOR TO VERIFY THERE ARE NO UTILITIES PRESENT BEFORE FOUNDATION EXCAVATION.
6. 400 LF OF CONDUIT RUN FROM LOAD CENTER 12 AT STA: "G2" 65+69.70 OFF: 26.82'LT TO POWER L.E.D. ACCENT LIGHTING.

GATEWAY FEATURE NOTES

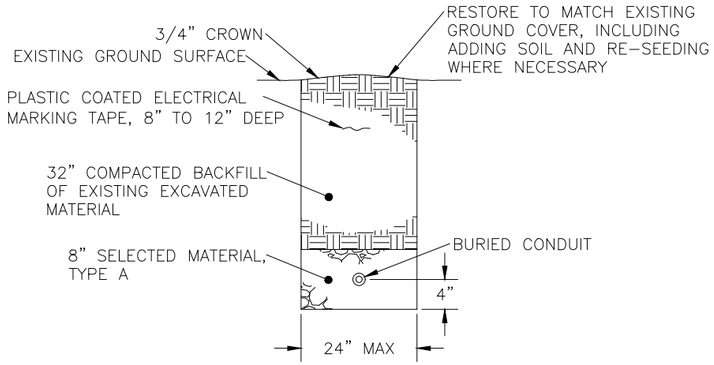
1. FOUNDATION REBAR SHALL BE #4-REBAR CAGE-3" CLEAR ALL SIDES.
2. IF SIDEWALK EXTENDS TO FOUNDATION, MAINTAIN 7' MIN. CLEAR VERTICAL DISTANCE FROM SIDEWALK TO SIGN FRAMING.
3. PHILIPS eW BURST COMPACT POWER CORE 100-277 VAC, 15 W OR APPROVED EQUAL.
4. CONCRETE FOR FOUNDATION SHALL BE CONCRETE, CLASS A PER SECTION 501.
5. GATEWAY FEATURE AND STEEL GRAPHIC PANEL TO BE PROVIDED BY CITY OF FAIRBANKS.

GATEWAY FEATURE

PLANS DEVELOPED BY:: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\51311 Gillam Way\Civil3D Drawing Files\3Production\Plan-Prof_GatewayFeature-H16 GatewayFeature Fri, Nov/16/18 0332pm

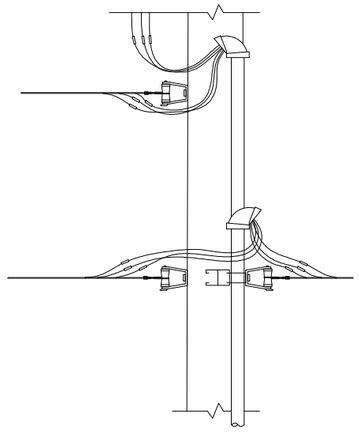
NO.	DATE	REVISION

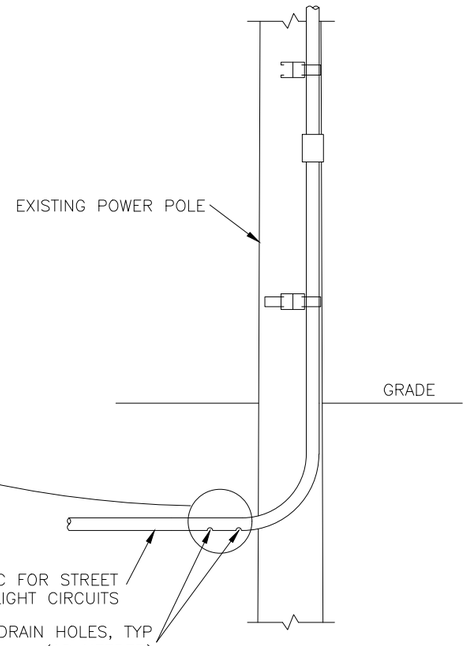
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	H17	XX

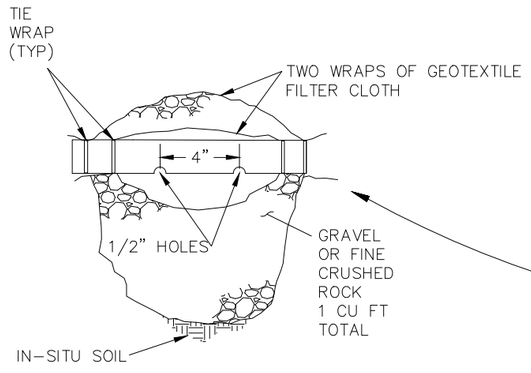


TRENCHING FOR CONDUIT

NOT TO SCALE







CONDUIT DRAIN HOLES

NOT TO SCALE

ELECTRICAL DETAILS

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CE 9878
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\51311 Gillam Way\Civil\3D Drawing Files\L3Production\Elec.Details-H17 Elec Details Fri, Nov/16/18 03:31pm

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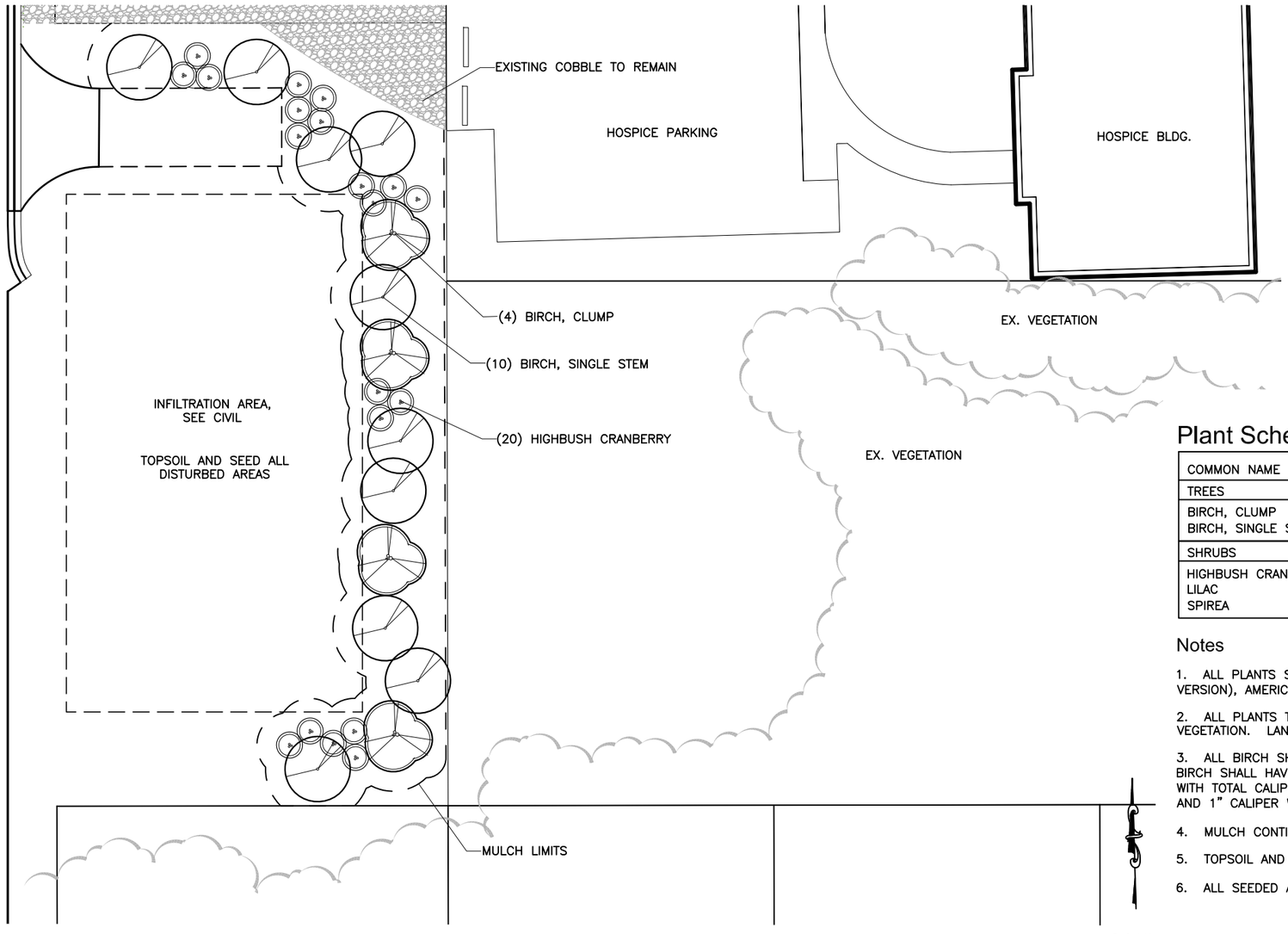
			ALASKA	0655012/Z637840000	2019	L1	XX



GILLAM WAY LANDSCAPE PLAN

Scale 1:10

10 0 5 10 20

Plant Schedule

COMMON NAME	BOTANICAL NAME	QUANTITY	SPACING (MIN.)	SIZE	NOTES
TREES					
BIRCH, CLUMP	BETULA PAPYRIFERA	4	8' O.C.	18' TALL	SEE NOTE 3
BIRCH, SINGLE STEM	BETULA PAPYRIFERA	10	8' O.C.	18' TALL	SEE NOTE 3
SHRUBS					
HIGHBUSH CRANBERRY	VIBURNUM OPULUS	20	5' O.C.	48" TALL	NURSERY GROWN
LILAC	SYRINGA X PRESTONIAE 'JAMES MACFARLANE'	3	5' O.C.	48" TALL	NURSERY GROWN
SPIREA	SPIRAEA JAPONICA 'GOLD MOUND'	32	28" O.C.	24" TALL	NURSERY GROWN

Notes

1. ALL PLANTS SHALL MEET AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1–CURRENT VERSION), AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA), WWW.ANLA.ORG.

2. ALL PLANTS TO BE FIELD LOCATED PRIOR TO PLANTING BED EXCAVATION. DO NOT DISTURB EXISTING VEGETATION. LANDSCAPE ARCHITECT TO ADJUST PLANT LOCATIONS TO AVOID CONFLICTS.

3. ALL BIRCH SHALL BE FULL WITH A CANOPY NO LESS THAN ONE HALF THE OVERALL HEIGHT. CLUMP BIRCH SHALL HAVE MINIMUM 2 TRUNKS, MAXIMUM 3 TRUNKS, EACH TRUNK NO LESS THAN 1" CALIPER WITH TOTAL CALIPER INCHES EQUALING 4" FOR COMBINED TRUNKS. FOR EXAMPLE A BIRCH WITH A 3" AND 1" CALIPER WOULD MEET THIS STANDARD. A BIRCH WITH 4, 1" CALIPER TRUNKS DOES NOT.

4. MULCH CONTINUOUSLY THROUGHOUT ALL PLANTING BEDS WITH 3" DEEP SHREDDED BARK MULCH.

5. TOPSOIL AND SEED ALL DISTURBED AREAS. DO NOT SEED PLANTING BEDS.

6. ALL SEEDED AREAS TO RECEIVE 4" TOPSOIL.

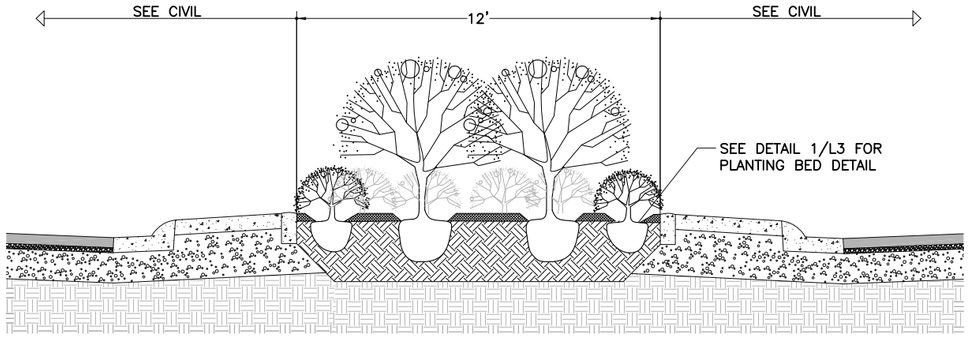
LANDSCAPE PLAN

PLANS DEVELOPED BY:
EARTHSCAPE, LLC

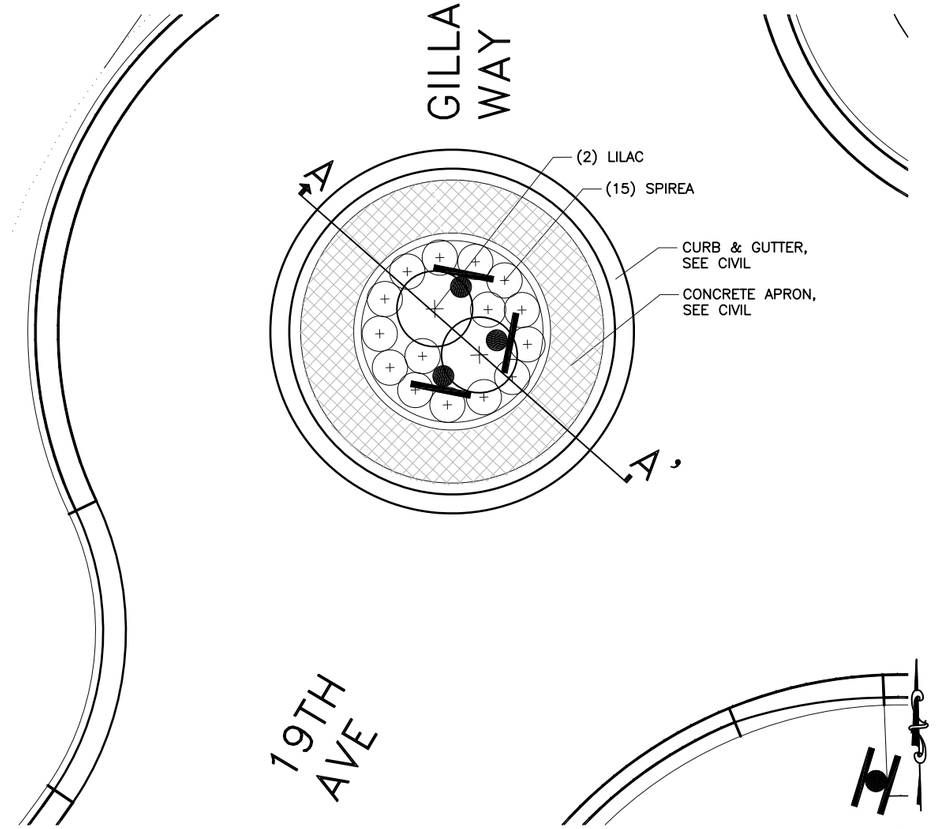
STATE OF ALASKA
49TH
M. ELISE HUGGINS
LA#10435
Date:
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT

PLANS DEVELOPED BY: EARTHSCAPE, LLC 729 N St. Anchorage, Alaska 99501 (907) 279-2688 CERT. OF AUTH. NO. 1007
FILE: \\THEIA\FOLDER REDIRECTION\LEAH\DESKTOP\95.3 L1-GILLAM WAY.DWG PLOTTED: Nov 8, 2018 - 10:46:41 AM (Leah Buron) KE#: 00384

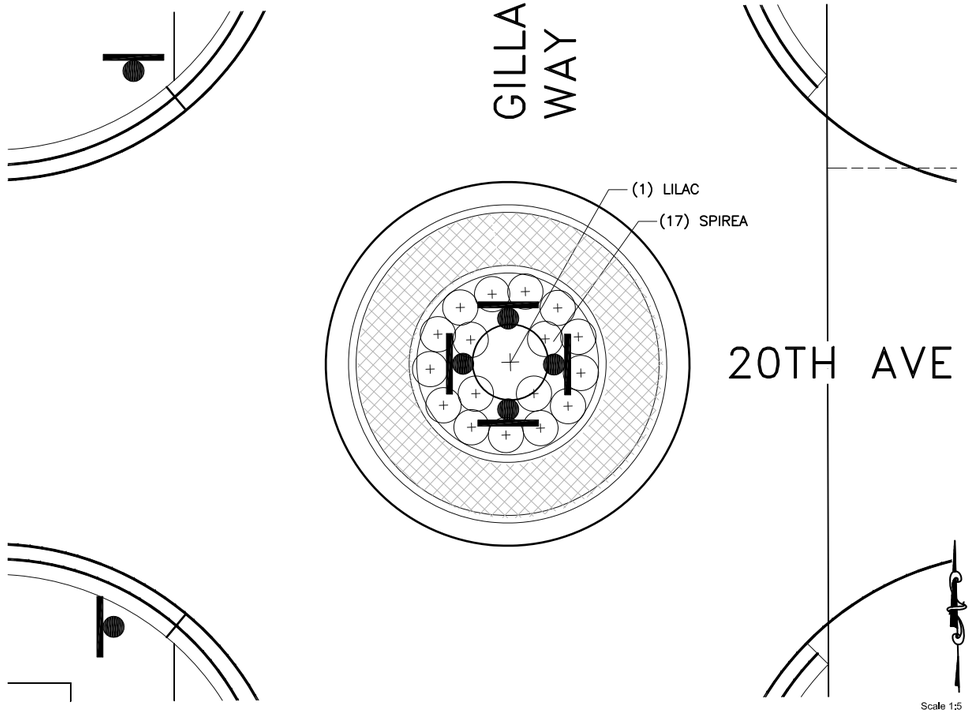
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0655012/Z637840000	2019	L2	XX



SECTION A–A' (TYPICAL)



19TH AVE TRAFFIC CIRCLE LANDSCAPE PLAN



20TH AVE TRAFFIC CIRCLE LANDSCAPE PLAN

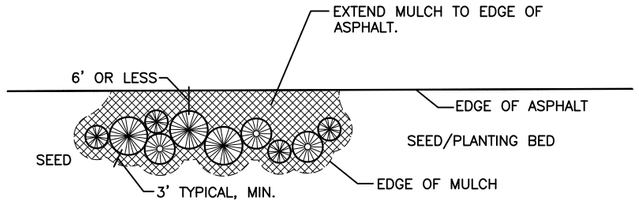
LANDSCAPE PLAN

PLANS DEVELOPED BY:
EARTHSCAPE, LLC

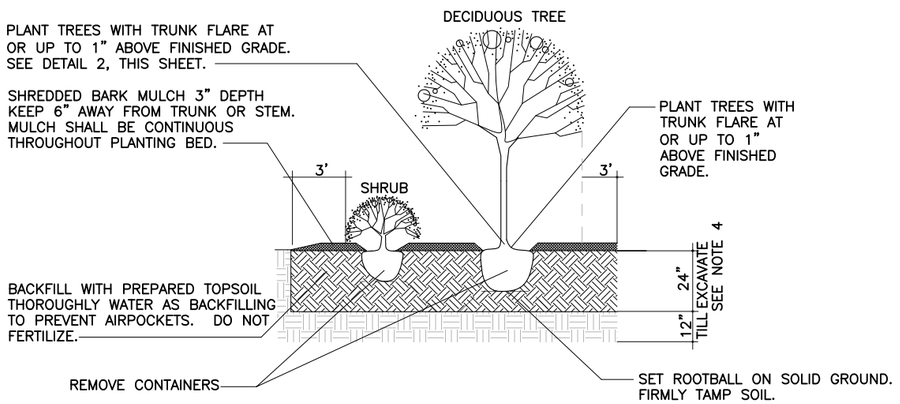
STATE OF ALASKA
49TH
M. ELISE HUGGINS
LA#10435
Date:
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT

PLANS DEVELOPED BY: EARTHSCAPE, LLC 729 N St. Anchorage, Alaska 99501 (907) 279-2688 CERT. OF AUTH. NO. 1007
FILE: \\THEIA\FOLDER REDIRECTION\LEAH\DESKTOP\95.3 L1-GILLAM WAY.DWG PLOTTED: Nov 8, 2018 – 10:48:41 AM (Leah Buron) KE#: 00384

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0655012/Z637840000	2019	L3	XX



MULCH LIMITS



1 / L3 PLANTING BED DETAIL

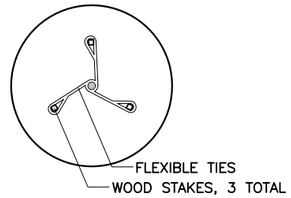
SCALE: NTS

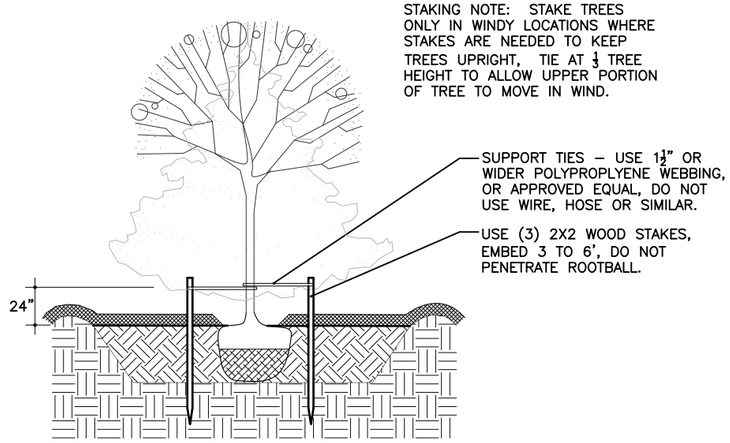
Notes:
1. PREPARE PLANTING BED AS SHOWN ON PLANS:
   A. EXCAVATE AND REMOVE SOIL
   B. TILL SUBGRADE
   C. BACKFILL WITH TOPSOIL
   D. INSTALL EDGING
   E. PLANT TREES AND SHRUBS AFTER LANDSCAPE ARCHITECT HAS APPROVED STAKED LOCATIONS

2. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION.

3. SEVERAL AREAS ON PLANS REQUIRE LARGE AREAS OF MULCH. CONTRACTOR TO PROVIDE MULCH BETWEEN PLANTINGS AND EDGE OF PAVEMENT, AND UP TO PROPERTY LINE OR EXISTING VEGETATION, WHERE PLANTING BEDS ARE ADJACENT TO EXISTING VEGETATION.

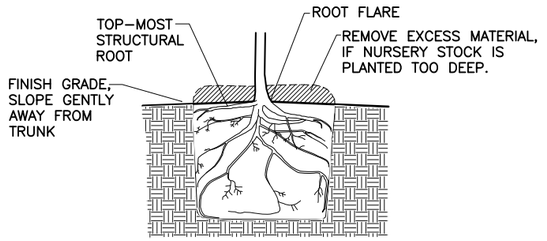
4. TYPICAL EXCAVATION FOR TREE BEDS IS 24", EXCAVATION FOR SHRUB BEDS CAN BE REDUCED TO 18" TOPSOIL.





2 / L3 TREE STAKING

SCALE: NTS



3 / L3 PLANTING DEPTH DETAIL

SCALE: NTS

LANDSCAPE DETAILS

PLANS DEVELOPED BY:
EARTHSCAPE, LLC

STATE OF ALASKA 49TH
M. ELISE HUGGINS
LA#10435
Date:
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT

PLANS DEVELOPED BY: EARTHSCAPE, LLC 729 N St. Anchorage, Alaska 99501 (907) 279-2688 CERT. OF AUTH. NO. 1007
FILE: \\THEIA\FOLDER REDIRECTION\LEAH\DESKTOP\95.3 L1-GILLAM WAY.DWG PLOTTED: Nov 8, 2018 - 10:49:32 AM (Leah Buron) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	Q1	Q5

SITE INFORMATION:

1. SITE FUNCTION: ROAD
2. 2-YEAR, 24-HOUR RAINFALL EVENT: 1.09 INCHES (SOURCE: http://hdcs.nws.noaa.gov/hdsc/pfds/pfds_map_ak.html) FOR FAIRBANKS
3. AVERAGE ANNUAL PRECIPITATION: 10.53 INCHES (SOURCE: WESTERN REGIONAL CLIMATE CENTER) FOR FAIRBANKS WSO AIRPORT.
4. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING LOCATIONS FOR STOCKPILING MATERIAL AND STAGING AND STORING EQUIPMENT. STAGING AND STOCKPILE AREAS MUST COMPLY WITH CGP, SWPPP, SECTION 641, AND ALL PERMITS.
5. PROJECT AREAS ARE LISTED BELOW (MATERIAL SITES NOT INCLUDED):

PROJECT INFORMATION TABLE	
PROJECT AREA (ACRE)	8.36 ACRES
DISTURBED AREA (ACRE)	5.00 ACRES
PRE-CONSTRUCTION IMPERVIOUS AREA (%)	
POST-CONSTRUCTION IMPERVIOUS AREA (%)	
PRE-CONSTRUCTION RUNOFF COEFFICIENT	
POST-CONSTRUCTION RUNOFF COEFFICIENT	

6. LANDSCAPE TOPOGRAPHY: VERY FLAT AND HIGHLY URBANIZED WITH RESIDENTIAL AND COMMERCIAL DEVELOPMENT ALONG THE PROJECT CORRIDOR.
7. DRAINAGE PATTERNS: SURFACE DRAINAGE AND PIPED STORM DRAINS FLOW TO CHENA RIVER.
8. SOILS: ALLUVIAL SAND AND GRAVEL OVERLAIN BY SILT AND ORGANIC SILT.
9. EXISTING VEGETATION: PROJECT AREA IS A MIX OF RESIDENTIAL AND COMMERCIAL WITH LIMITED LAWNS, SHRUBS AND TREES.
10. APPROXIMATE GROWING SEASON: MAY 3 THROUGH OCTOVER 3 (SOURCE: USACE WETLANDS DELINEATION MANUAL: ALASKA REGION (VERSION 2))
11. HISTORIC SITE CONTAMINATION: THERE ARE NO POTENTIALLY CONTAMINATED SITES WITHIN THE PROJECT AREA (SOURCE: ADEC CONTAMINATED SITES DATABASE).

ENVIRONMENTAL INFORMATION:

1. RECEIVING WATERS: CHENA RIVER
2. IMPAIRED WATERS: CHENA RIVER
3. TOTAL MAXIMUM DAILY LOADS (TMDL): NONE
4. STORM SEWER/DRAINAGE SYSTEMS: FAIRBANKS NORTH STAR BOROUGH MS4 CONSISTING OF PIPED AND SURFACE WATER DRAINAGE NETWORK. THIS PROJECT INCLUDES MODIFICATIONS TO THIS SYSTEM.
5. THREATENED AND ENDANGERED SPECIES: NONE
6. HISTORICAL & CULTURAL RESOURCE PRESENCE: NONE AFFECTED
7. FISH & WILDLIFE HABITAT PRESENCE: NONE
8. WETLANDS: NO WETLANDS OR WATER BODIES IN THE PROJECT AREA.

ESCP NOTES:

1. READ AND COMPLY WITH THE CGP AND SECTION 641 OF THE PROJECT SPECIFICATIONS.
2. A SWPPP AND HMCP ARE REQUIRED FOR THIS PROJECT.
3. EROSION AND SEDIMENT CONTROL FEATURES MUST BE BASED ON THE DOT&PF MANUAL ALASKA STORM WATER POLLUTION PREVENTION PLAN GUIDE (FEBRUARY 2011 OR LATEST VERSION) AND LATEST BMPs.
4. INITIATE EROSION AND SEDIMENT CONTROLS PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
5. DEVICES MAY NEED TO BE REMOVED AND REINSTALLED TO ALLOW CONSTRUCTION ACTIVITIES TO PROCEED. MAINTAIN ALL DEVICES DAILY INCLUDING, BUT NOT LIMITED TO REMOVAL AND DISPOSAL OF ACCUMULATED SOILS, CLEANING DEVICES AND REPLACEMENT OF DAMAGED DEVICES.
6. STOCKPILE AND STAGING LOCATION MUST BE RECLAIMED TO THEIR ORIGINAL CONDITION. STOCKPILES AND/OR STAGING AREAS ARE NOT ALLOWED IN WETLANDS.
7. ENSURE LOADS ARE STABLE OR COVERED SO THAT NO MATERIAL ESCAPES DURING HAULING ACTIVITIES.
8. PROVIDE CONCRETE WASHOUT FACILITIES.
9. PROVIDE VEHICLE CLEANING EQUIPMENT OR OTHER APPROVED CONTROLS TO PREVENT TRACKING OF DIRT AND GRAVEL ONTO PAVED SURFACES.
10. PROVIDE INLET PROTECTION AT ALL INLETS IN AND ADJACENT TO WORK AREAS.

ESCP LEGEND:

EXISTING RIGHT-OF-WAY LINE — R\W

PROPOSED CUT SLOPE LIMIT

PROPOSED FILL SLOPE LIMIT

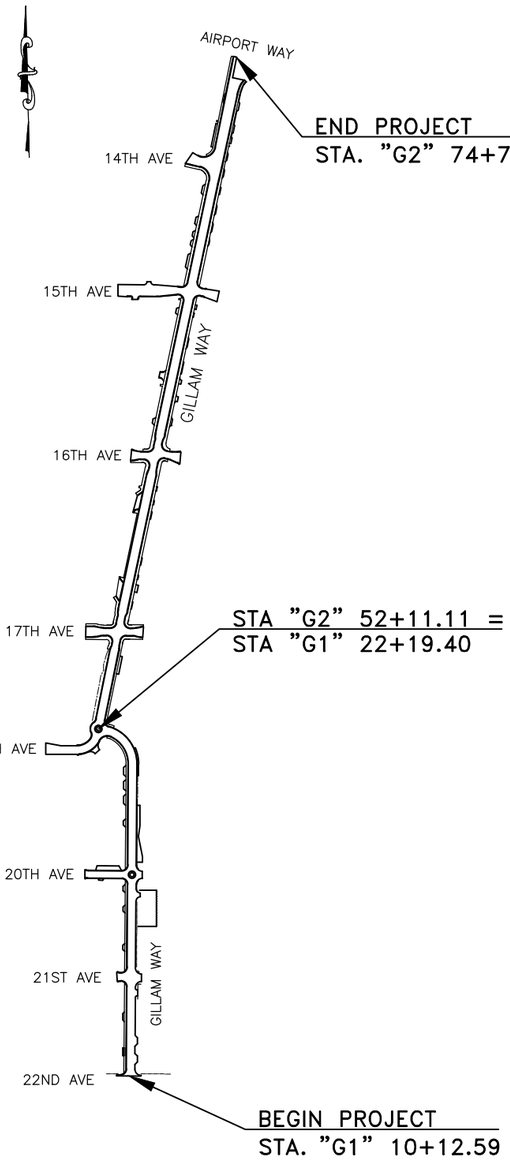
OUTLET PROTECTION (BMP AK-19)

TEMPORARY CULVERT INLET SEDIMENT TRAP

EXISTING SURFACE WATER FLOW DIRECTION

CONTOUR, MAJOR — 430

CONTOUR, MINOR — 430.2



VICINITY MAP
NTS

EROSION AND SEDIMENT CONTROL LEGEND AND NOTES

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_Q1-05_ESCP.DWG PLOTTED: Nov 16, 2018 - 9:26:55 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	Q2	Q5

22ND AVE

STA "G1A"10+12.56 BOP

GILLAM WAY

21ST AVE

MATCH LINE STA. 15+00
SEE BELOW

20TH AVE

MATCH LINE STA. 15+00
SEE ABOVE

MATCH LINE STA. 20+00
SEE SHEET Q3

R\W

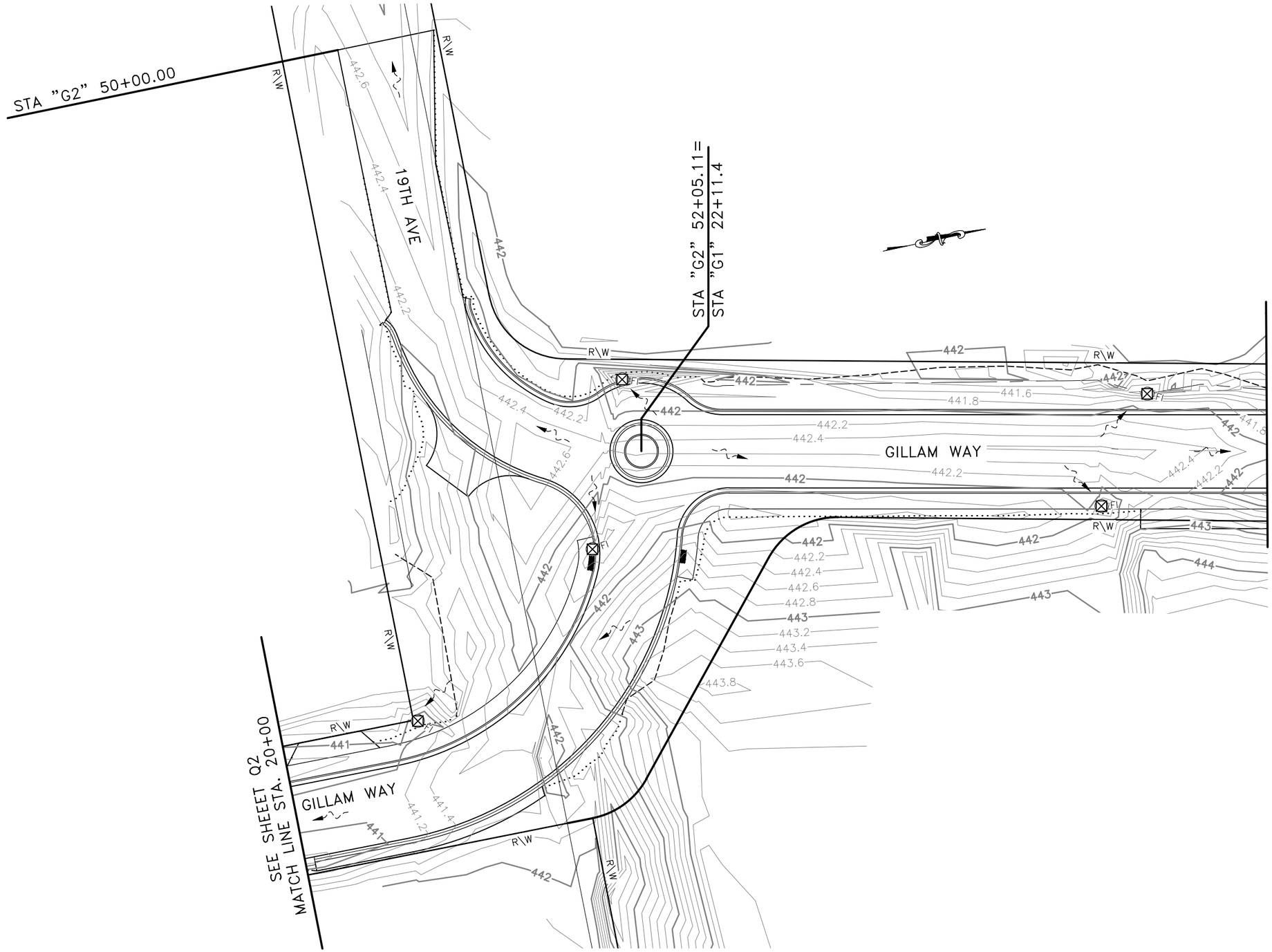
FI

EROSION AND SEDIMENT CONTROL PLAN 1 OF 4

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_01-05_ESCP.DWG PLOTTED: Nov 16, 2018 - 9:27:00 PM
(Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	Q3	Q5



EROSION AND SEDIMENT CONTROL PLAN 2 OF 4

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_Q1-Q5_ESCP.DWG PLOTTED: Nov 16, 2018 - 9:27:04 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	Q4	Q5

17TH AVE

GILLAM WAY

MATCH LINE STA. 54+50
SEE SHEET Q3

MATCH LINE STA. 60+00
SEE BELOW

16TH AVE

MATCH LINE STA. 60+00
SEE ABOVE

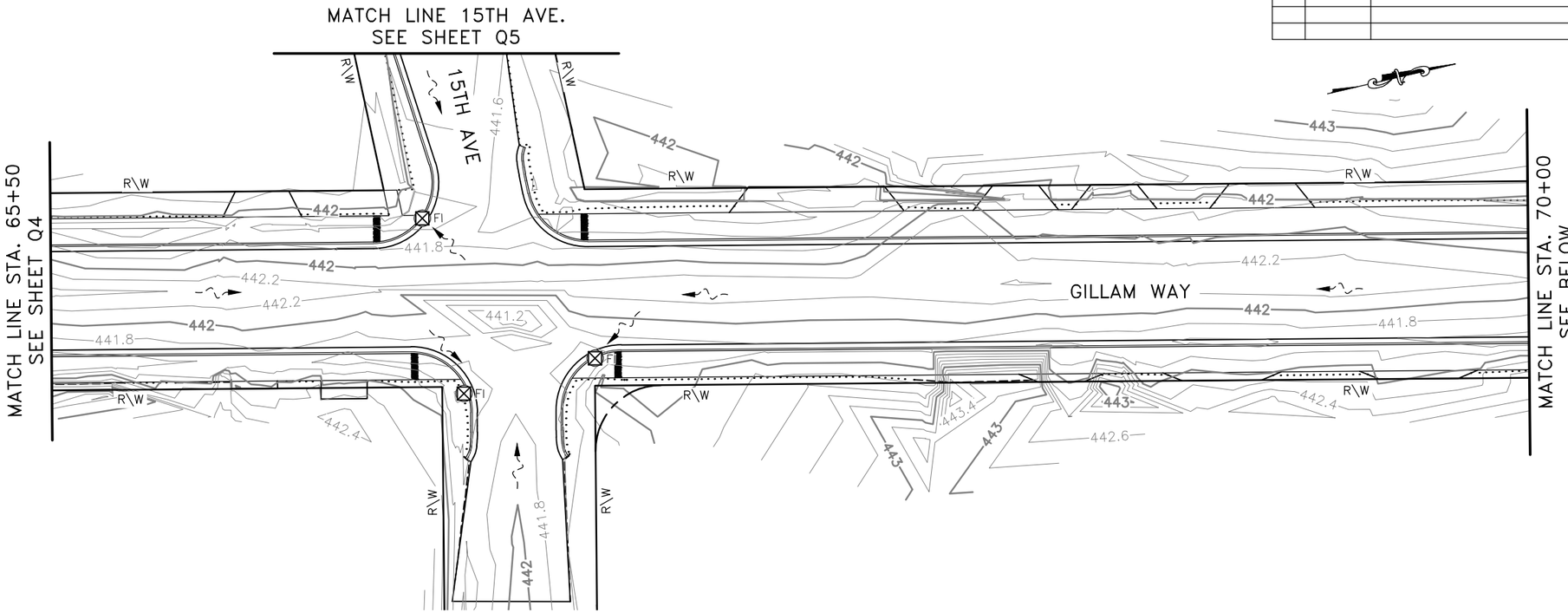
MATCH LINE STA. 65+50
SEE SHEET Q5

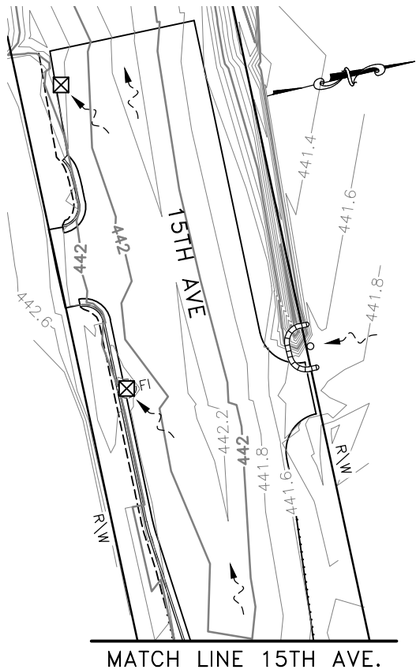
EROSION AND SEDIMENT CONTROL PLAN 3 OF 4

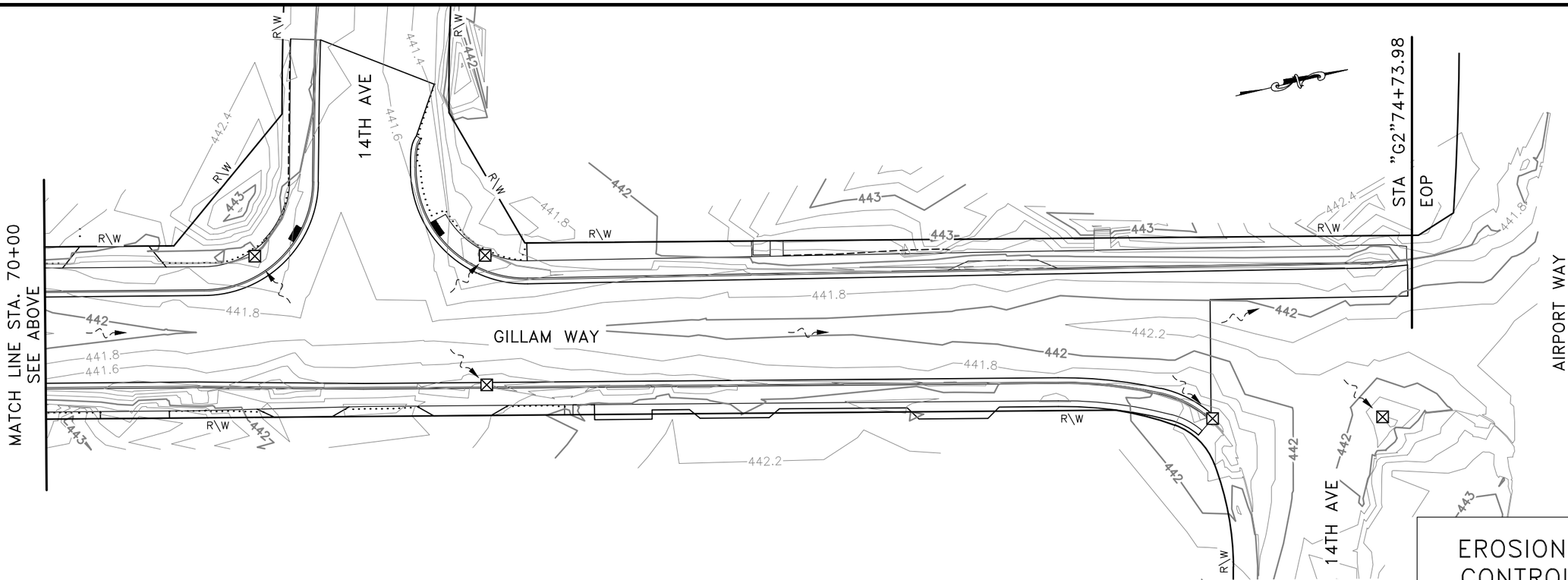
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_01-05_ESCP.DWG PLOTTED: Nov 16, 2018 - 9:27:10 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	Q5	Q5







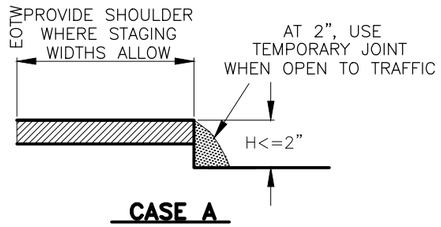
EROSION AND SEDIMENT CONTROL PLAN 4 OF 4

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_Q1-Q5_ESCP.DWG PLOTTED: Nov 16, 2018 - 9:27:15 PM
(Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	T1	T2

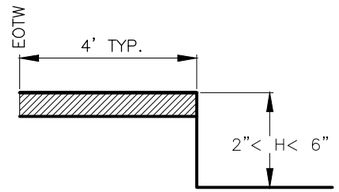
VERTICAL DROP-OFFS



CASE A

DROP-OFFS ≤2 INCHES
(PAVED SURFACES ONLY)

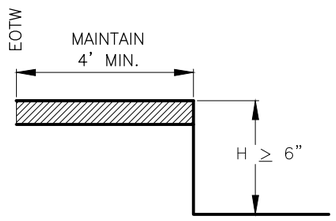
1. USE "UNEVEN LANES" (CW8-11) SIGNS FOR ALL DROP-OFFS IN BETWEEN TRAFFIC LANES.
2. LEAVE NO DROP-OFFS > 1.5" IN THE TRAFFIC LANE OR ACTIVE WHEEL TRACK.



CASE B

2"< DROP-OFFS < 6"
(ALL ROADWAY SURFACES)

1. PLACE CONES OR CANDLES FOR DROP-OFFS ≥ 4 FEET AND ≤ 30 FEET FROM THE EOTW.
2. USE DRUMS OR TYPE II BARRICADES FOR DROP-OFFS < 4 FEET FROM THE EOTW.

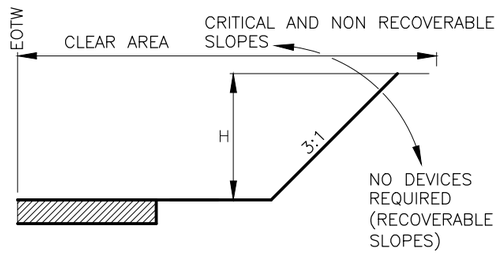


CASE C

DROP-OFFS ≥6"
(ALL ROADWAY SURFACES
AND ROADSIDE SLOPES)

1. PLACE DRUMS OR TYPE II BARRICADES FOR DROP-OFFS ≤ 24" WITHIN THE CLEAR AREA.
2. PROVIDE PORTABLE CONCRETE BARRIER FOR DROP-OFFS >24" WITHIN 15 FEET OF THE EOTW. USE DRUMS OR TYPE II BARRICADES IF BEYOND 15 FEET.

CUT SLOPES

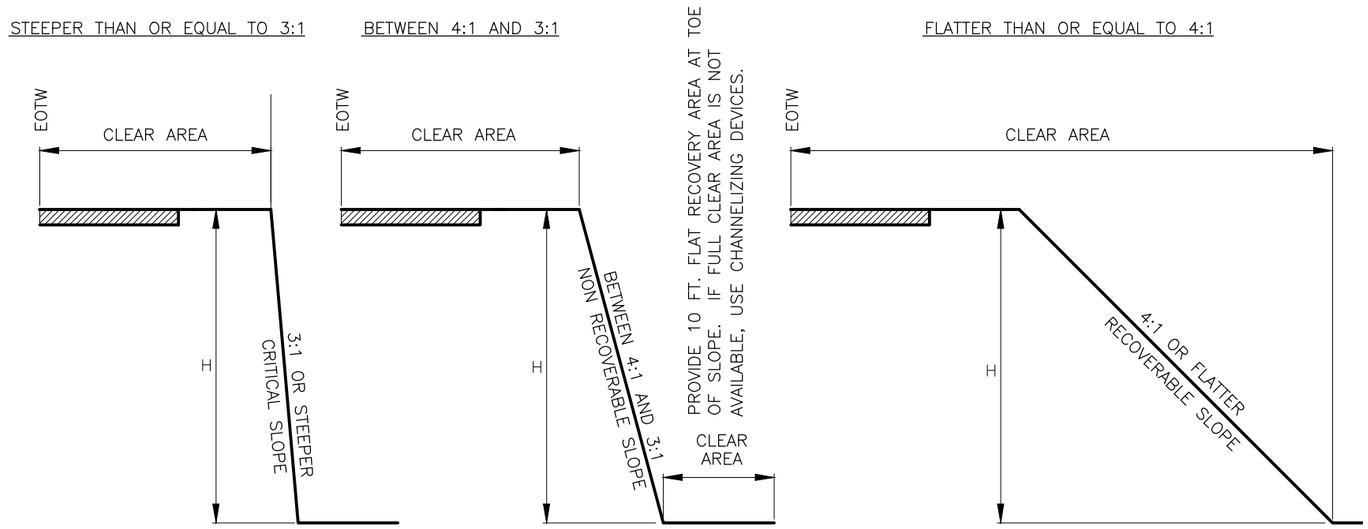


EOTW = EDGE OF TRAVELED WAY

TRAFFIC CONTROL NOTES:

1. USE THE EXISTING CROSS-SECTION (PRIOR TO CONSTRUCTION) AS A BASIS FOR DETERMINING WHEN CHANNELIZING DEVICES ARE NEEDED.
2. INSTALL CHANNELIZING DEVICES WHEN THE HORIZONTAL OR VERTICAL CURVATURE IS MADE MORE SEVERE.
3. INSTALL FLEXIBLE DELINEATORS WHEN ALL VEGETATION OVER 4 FEET HIGH IS CLEARED FROM FILL SLOPES THAT ARE 3:1 OR STEEPER IN THE CLEAR AREA.
4. USE PORTABLE CONCRETE BARRIER FOR WARRANTING CONDITIONS WHICH LAST LONGER THAN 3 DAYS. FOR CONDITIONS LASTING LESS THAN 3 DAYS, OTHER CHANNELIZING DEVICES MAY BE INSTALLED.

FILL SLOPES



CLEAR AREA REQUIREMENTS	
	LOW SPEED < = 35 MPH
URBAN	10' DITCH SECTIONS, OR 2' BEHIND CURB

CHANNELIZING DEVICE REQUIREMENTS FOR SLOPES 3:1 OR STEEPER WITHIN THE CLEAR AREA	
	H <= 15'
> 2000 VPD	TYPE II BARRICADE OR DRUMS

WINTER SHUTDOWN NOTES:

1. WHEN REQUIRED, USE CHANNELIZING DEVICES WHICH CAN BE MAINTAINED OVER WINTER.
2. NO CHANNELIZING DEVICES ARE REQUIRED IF:
   - A) CONSTRUCTION SLOPES ARE RECOVERABLE, AND
   - B) SLOPES ARE SMOOTH AND COMPACTED, AND
   - C) REQUIRED CLEAR AREA IS PROVIDED

EQUIPMENT NOTES:

1. WHEN THERE IS ACTIVE, NONMOBILE CONSTRUCTION EQUIPMENT WITHIN THE CLEAR AREA, DELINEATE THE ROADSIDE WITH TRAFFIC CONES.
2. SEPARATE PROCEDURES ARE REQUIRED FOR MOBILE WORK ZONE OPERATIONS AND SHORT DURATION WORK OF LESS THAN 12 HOURS.

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC

11/16/2018 REVIEW PS&E

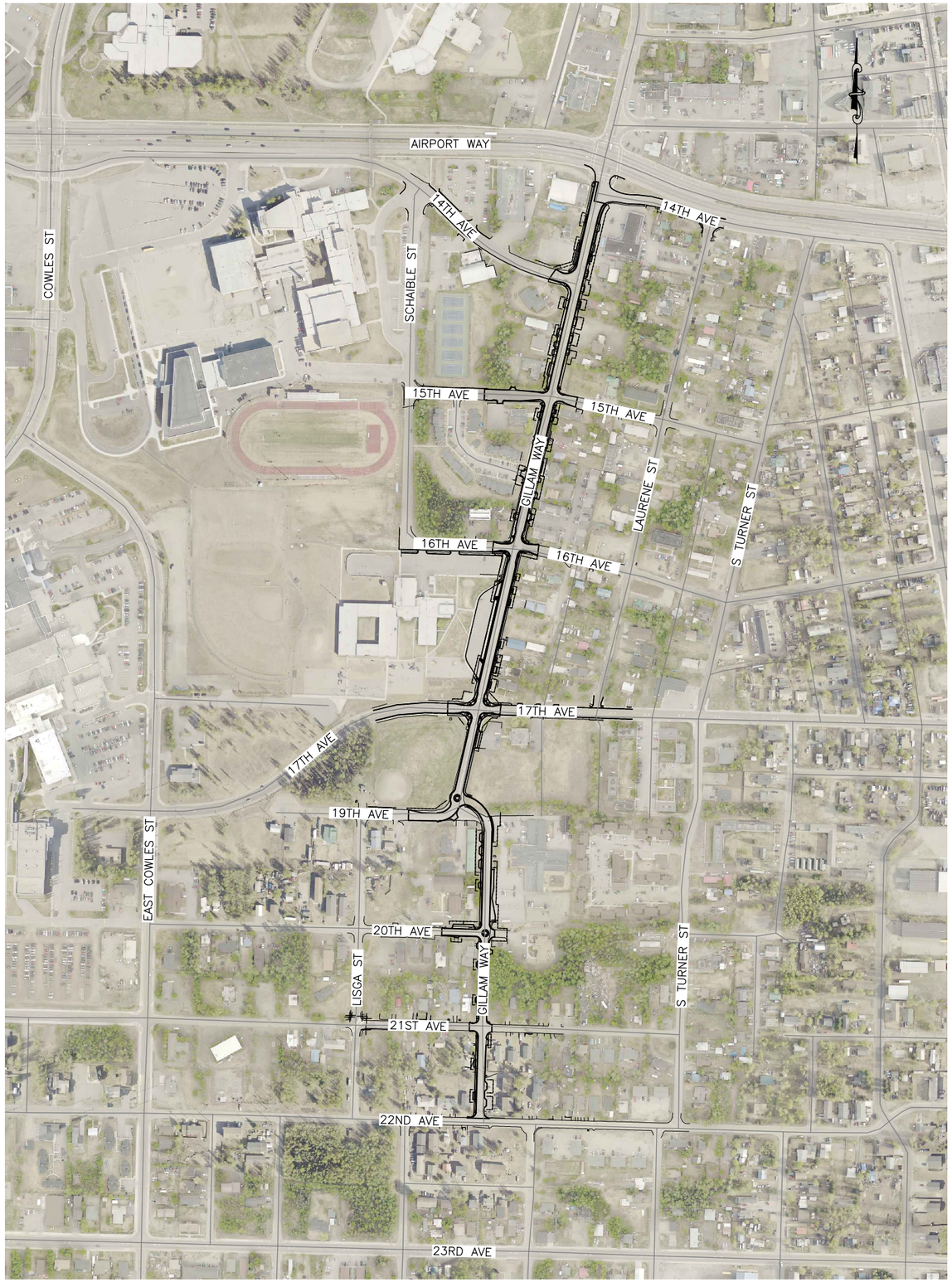
GENERAL TRAFFIC CONTROL
1 OF 2

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_T1_DETAILS.DWG PLOTTED: Nov 16, 2018 - 9:27:20 PM (Brian Lewis) KE#: 00384

(Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	T2	T2



GENERAL TRAFFIC CONTROL NOTES

1. DURING CONSTRUCTION, CLOSE GILLAM WAY TO THRU TRAFFIC. RESTRICT ACCESS TO LOCAL TRAFFIC ONLY.
2. ACCESS TO COMMERCIAL PROPERTIES SHALL REMAIN OPEN DURING NORMAL BUSINESS HOURS. ACCESS TO PRIVATE PROPERTIES SHALL REMAIN OPEN AT ALL TIME. TCPS WHICH REQUEST ACCESS CLOSURES SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF 10 DAYS PRIOR TO IMPLEMENTATION. ANY ACCESS CLOSURE SHALL NOT OCCUR WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. THE ENGINEER AND CONTRACTOR WILL COORDINATE ACCESS CLOSURE PLANS WITH THE AFFECTED BUSINESS AND/OR PROPERTY OWNERS. THE CONTRACTOR SHALL NOTIFY OWNERS A MINIMUM OF 48 HOURS PRIOR TO IMPLEMENTATION OF AN APPROVED ACCESS CLOSURE.
3. ACCESS SHALL BE MAINTAINED AT ALL TIMES FOR THE PASSAGE OF EMERGENCY VEHICLES THROUGH THE PROJECT.
4. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE POSTAL SERVICE TO ACCOMMODATE MAIL DELIVERIES.
5. MAINTAIN ACCESS TO/FROM SIDE STREETS AT ALL TIMES.
6. PUBLIC NOTICE OF ROAD CLOSURES SHALL BE MADE IN ACCORDANCE WITH SPECIAL PROVISION 643.
7. EXISTING SIGNS WHICH CONFLICT WITH CONSTRUCTION SIGNING SHALL BE COVERED.
8. TRAFFIC CONTROL SIGNS MAY NOT BE PLACED ON PORTABLE SIGN SUPPORTS FOR MORE THAN THREE CONSECUTIVE CALENDAR DAYS. SIGNS INSTALLED FOR LONGER THAN THIS PERIOD MUST BE MOUNTED ON A PERMANENT SIGN POST. PEDESTRIAN TRAFFIC CONTROL SIGNS AND SIGNS MOUNTED ON A TYPE III BARRIER ARE EXEMPT FROM THIS AND MAY BE INSTALLED ON PORTABLE SIGN SUPPORTS FOR THE DURATION OF THEIR INSTALLATION.
9. ALL SIGNS AND BARRICADES SHALL MEET REQUIREMENTS OF THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, WITH ALASKA TRAFFIC MANUAL SUPPLEMENT.
10. WHEN STREETS ARE RESTRICTED TO ONE LANE, THE MINIMUM CLEAR WIDTH SHALL BE 12' UNLESS OTHERWISE SPECIFIED ON AN APPROVED TRAFFIC CONTROL PLAN (TCP) OR AS DIRECTED BY THE ENGINEER.
11. ONE LANE, TWO–WAY TRAFFIC REQUIRES ONE FLAGGER AT EACH END OF THE TRAFFIC CONTROL ZONE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
12. ALL CHANNELIZING DEVICES SHALL HAVE OPERABLE FLASHING LIGHT EXCEPT IN A TAPER WHERE ONLY THE FIRST TWO LIGHTS SHALL FLASH (TYPE "A") AND THE REMAINDER SHALL BE STEADY BURN (TYPE "C").
13. ALL SIGNS SHALL BE SUPPLEMENTED WITH HIGH LEVEL WARNING DEVICES.
14. SPECIAL CONSTRUCTION SIGNS SHALL BE FABRICATED OF MATERIALS CONFORMING TO SECTION 615 OF THE SPECIFICATIONS AND SHALL HAVE A BLACK LEGEND ON ORANGE BACKGROUND.
15. TEMPORARY STRIPING SHALL BE EITHER TEMPORARY RAISED PAVEMENT MARKERS OR PREFORMED PAVEMENT MARKING TAPE.
16. TEMPORARY PEDESTRIAN ROUTES SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED IN A TEMPORARY TRAFFIC CONTROL ZONE, THE TEMPORARY FACILITIES SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
17. THE CONTRACTOR SHALL DEVELOP A MAP OF THE PEDESTRIAN AND BICYCLE ALTERNATE AND DETOUR ROUTES IN COOPERATION WITH THE DEPARTMENT'S INFORMATION OFFICER.
18. CRITERIA FOR TRAFFIC CONTROL DEVICES:
    LANE WIDTH: 12'
    SPEED LIMIT:
    GILLAM WAY, NORTH OF 17TH AVE – 25 MPH
    GILLAM WAY, SOUTH OF 17TH AVE – 20 MPH
    GILLAM WAY SCHOOL ZONE – 20 MPH
    DEVICE SPACING ON TAPERS AND TANGENTS SHALL BE 1 X THE POSTED SPEED LIMIT (IN FEET).
19. SEE SECTION 643 FOR CONSTRUCTION SEQUENCING REQUIREMENTS.

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

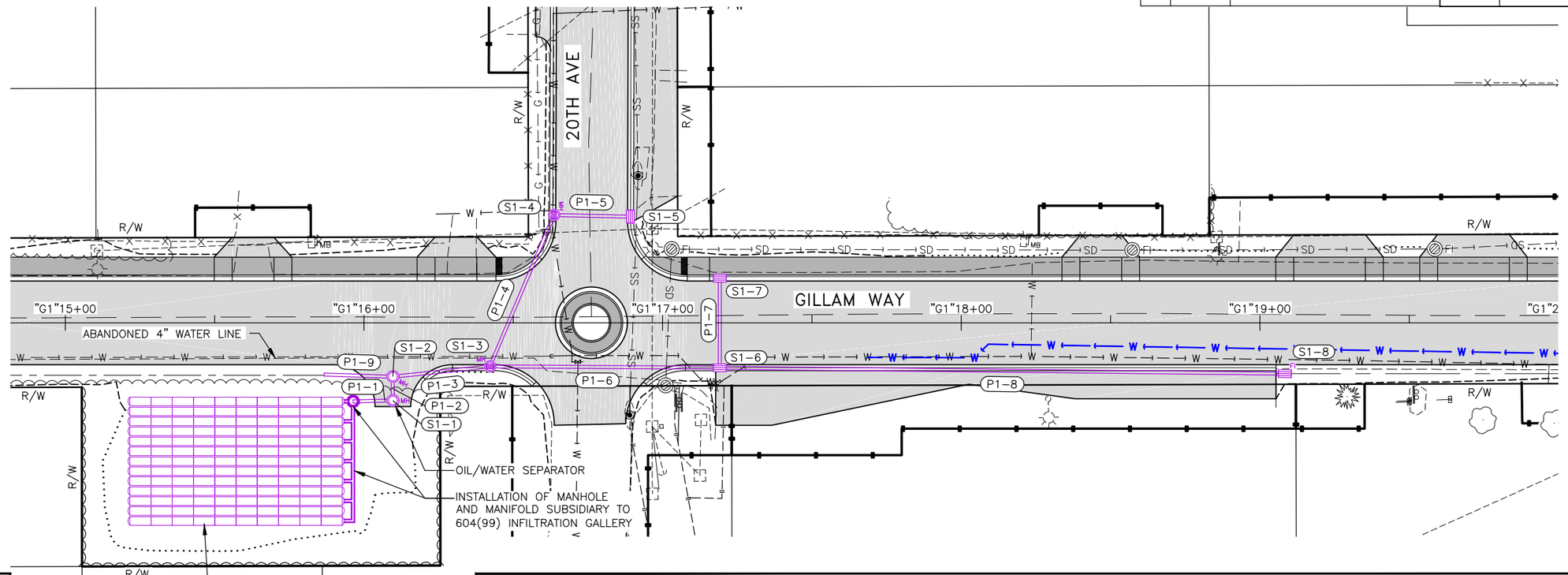
STATE OF ALASKA
11/16/2016
REVIEW
PS&E
PROFESSIONAL ENGINEER
EEE

GENERAL TRAFFIC CONTROL
2 OF 2

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_T2_TCP.DWG PLOTTED: Nov 16, 2018 – 9:27:39 PM

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U1	U15

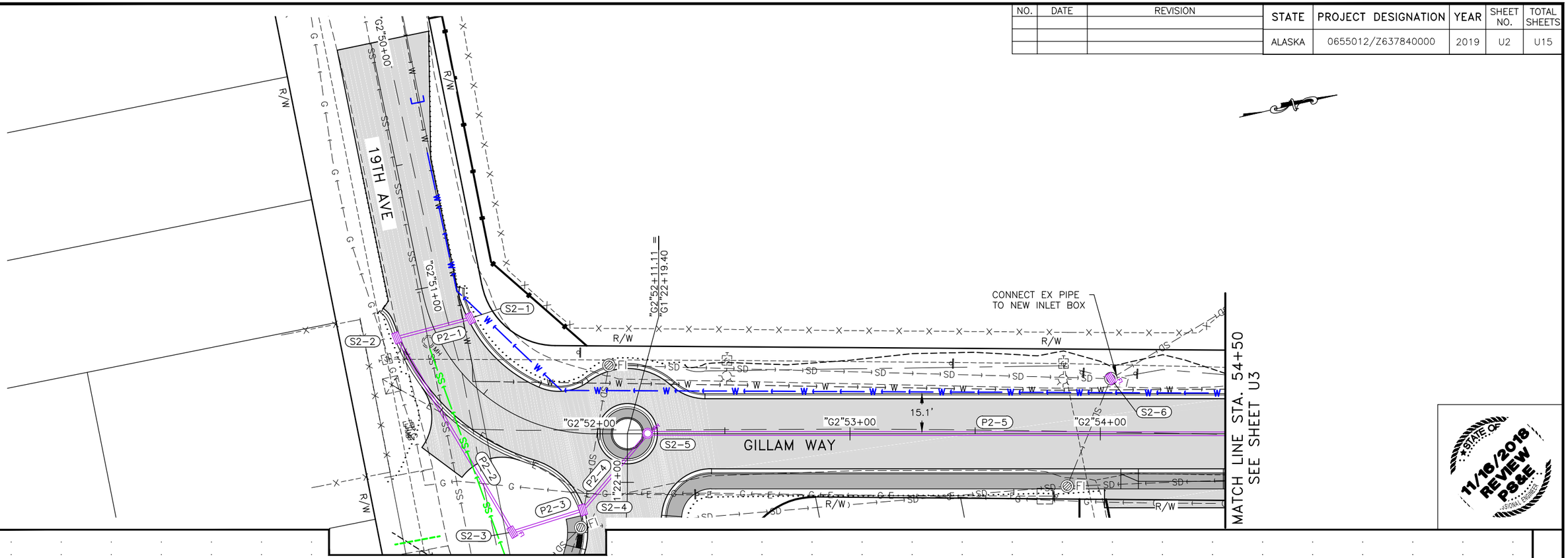


STATE OF ALASKA
11/16/2018
REVIEW
P&E
REGIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_U1-U8_SD P&P-U1 Fri, Nov/16/18 09:28pm (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U2	U15



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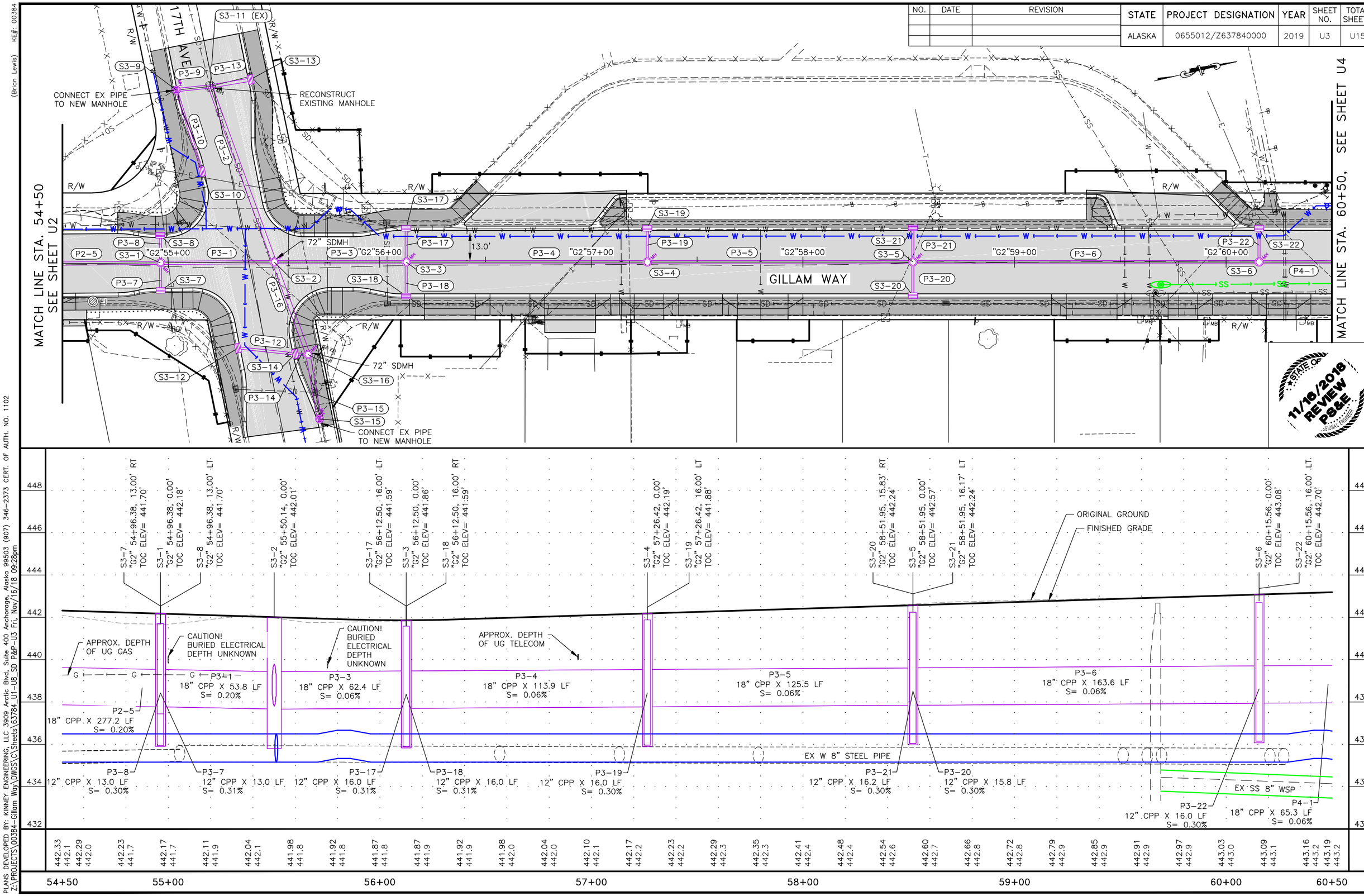
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U3	U15



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ALASKA	0655012/Z637840000	2019	U4	U15

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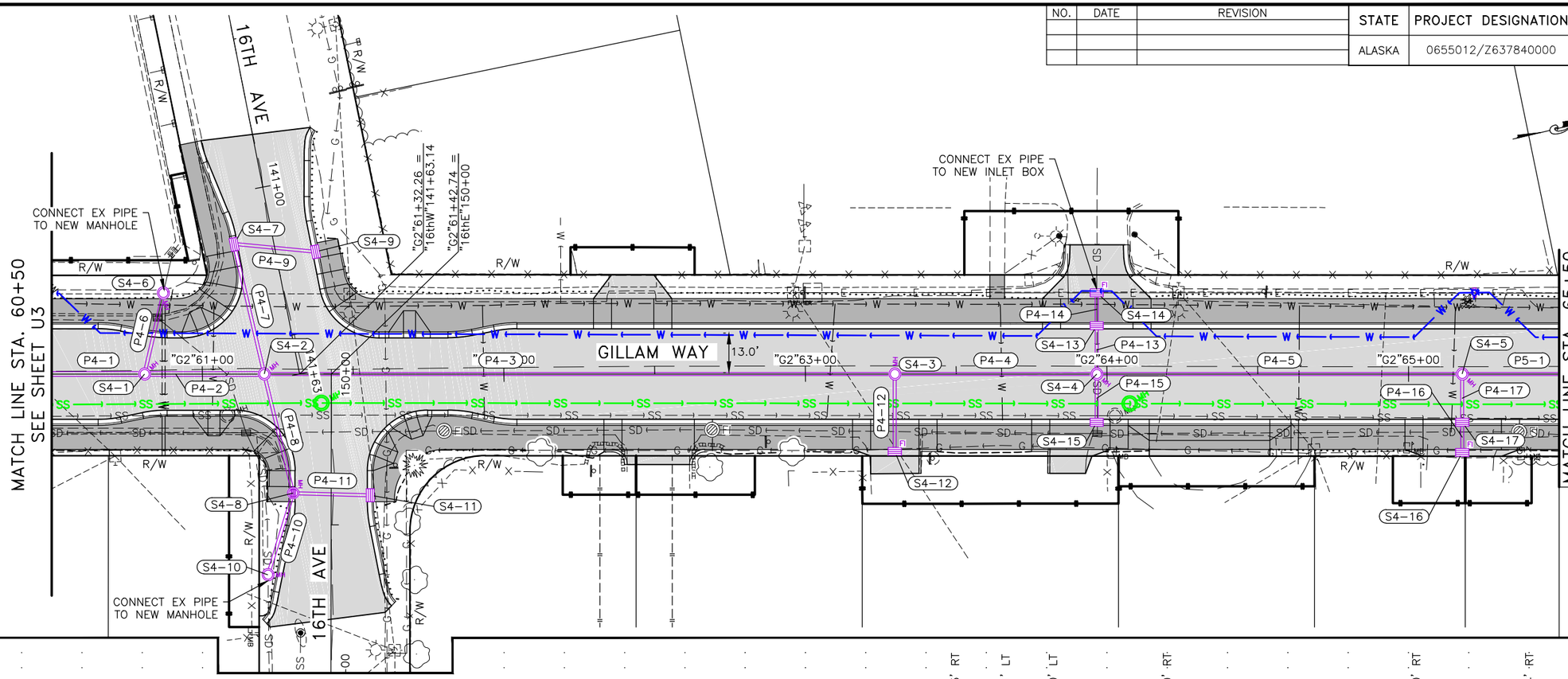
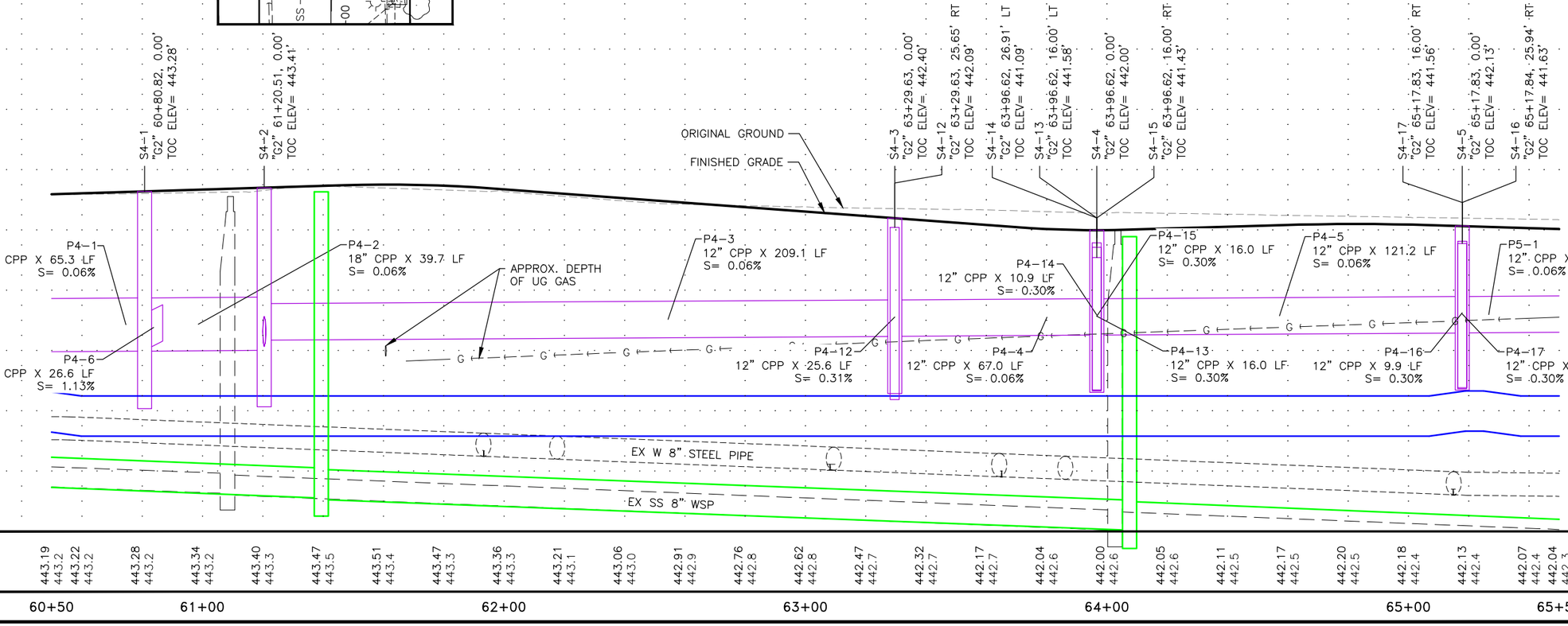
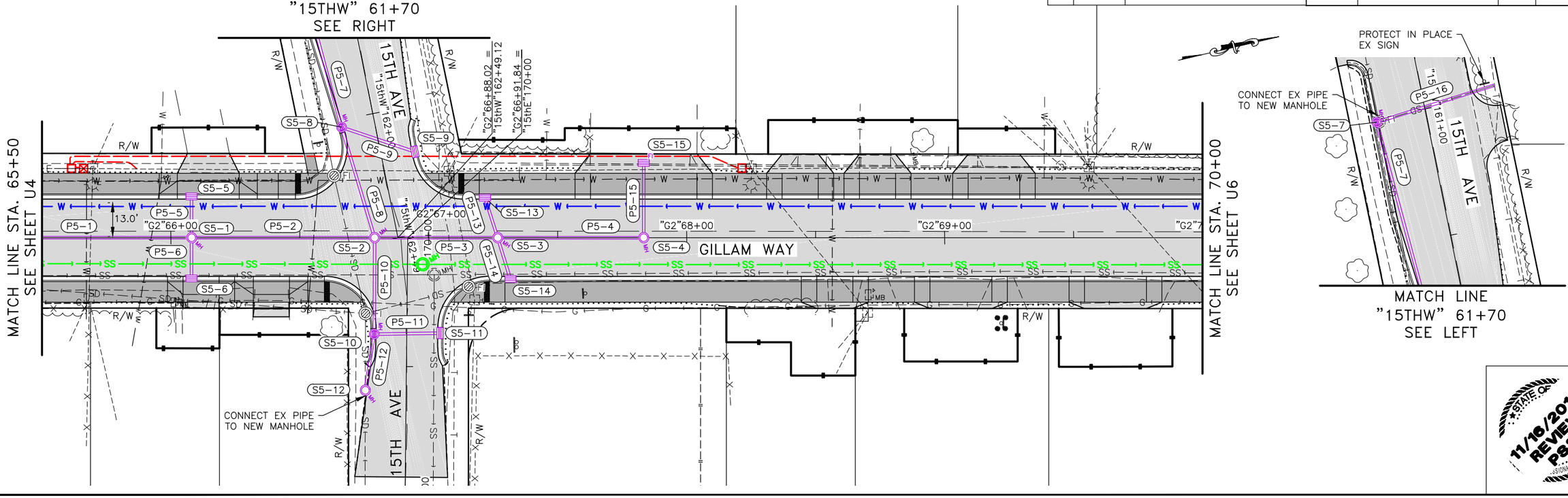
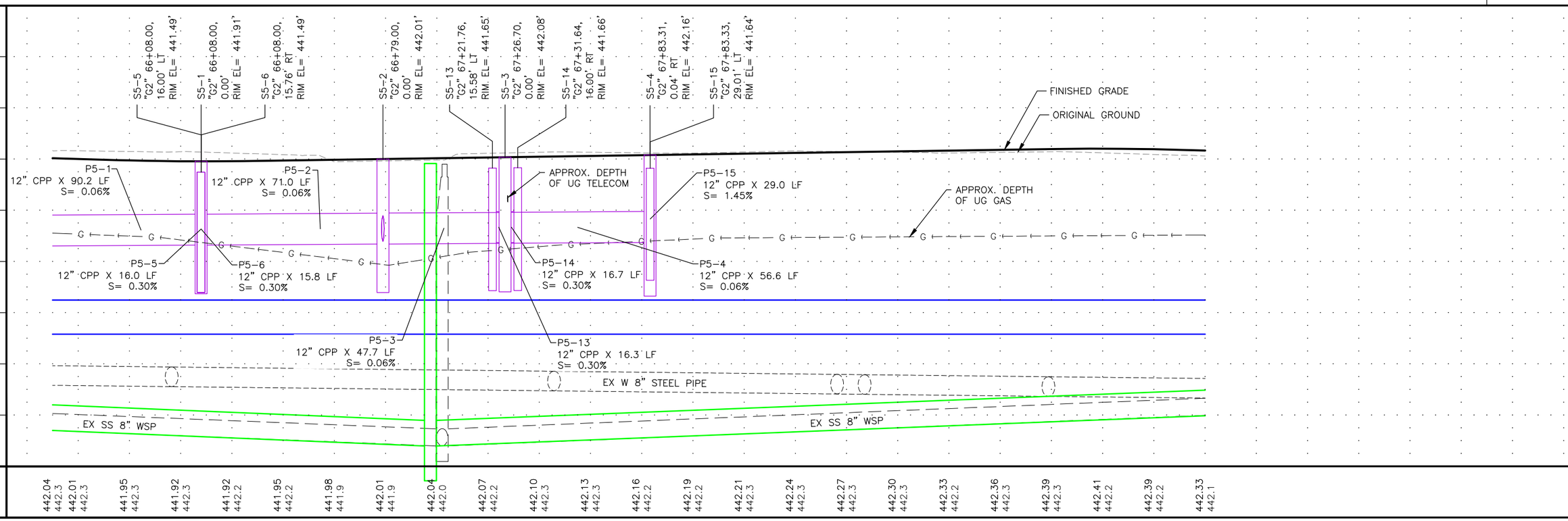




NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U5	U15





STATE OF ALASKA
11/16/2018
REVIEW
P&E
REGIONAL ENGINEER

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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U6	U15

MATCH LINE STA. 70+00
SEE SHEET U5

PROTECT IN PLACE OR SHORE EXISTING DUCT BANK DURING NEW SD INSTALLATION

14TH AVE

GILLAM WAY

AIRPORT WAY

72" SDMH

"G2"71+00 "G2"72+00 "G2"73+00 "G2"74+00 "G2"74+75

STA "G2"74+72.98 EOP

PROTECT IN PLACE OR SHORE EXISTING DUCT BANK DURING NEW SD INSTALLATION

CONNECT TO EXISTING INLET BOX

11/16/2018 REVIEW P&E

FINISHED GRADE
ORIGINAL GROUND

S6-1 "G2" 70+53.18, 15.59' LT RIM EL= 441.76'
S6-2 "G2" 70+73.09, 28.52' LT RIM EL= 442.17'
S6-5 "G2" 70+94.39, 56.30' LT RIM EL= 441.23'
S6-6 "G2" 71+27.99, 56.72' LT RIM EL= 441.10'
S6-3 "G2" 71+53.21, 28.09' LT RIM EL= 441.83'
S6-7 "G2" 71+53.32, 17.13' RT RIM EL= 441.41'
S6-8 "G2" 71+70.01, 19.07' LT RIM EL= 441.30'
S6-4 "G2" 71+71.12, 23.90' LT RIM EL= 441.88'

P6-1 18" CPP X 23.7 LF S= 0.29%
P6-2 18" CPP X 80.1 LF S= ME*
P6-3 18" CPP X 18.4 LF S= ME*
P6-4 18" CPP X 238.6 LF S= ME*
P6-5 12" CPP X 33.6 LF S= 0.30%
P6-6 12" CPP X 38.2 LF S= 0.45%
P6-7 18" CPP X 45.2 LF S= ME*
P6-8 12" CPP X 5.0 LF S= 0.61%

EX COMM 48" X 24" CONC DUCT
EX SS 8" WSP
EX W 8" STEEL PIPE

2.54'
2.92'

APPROX. DEPTH OF UG GAS

* TO AVOID CONFLICTS WITH EX DUCT BANK INSTALL NEW 18" CPP TO MATCH THE EX SD PIPE SLOPE.

446 444 442 440 438 436 434 432 430

442.33 442.1 | 442.27 442.0 | 442.21 441.9 | 442.15 441.9 | 442.09 441.9 | 442.03 441.9 | 441.98 441.8 | 441.95 441.8 | 441.95 441.9 | 441.97 441.9 | 442.00 442.0 | 442.02 442.0 | 442.04 442.0 | 442.06 442.0 | 442.09 442.0 | 442.11 442.1 | 442.13 442.1 | 442.15 442.1 | 442.17 442.2 | 442.20 442.2 | 442.22 442.2 | 442.2 | 442.1 | 442.3 | 442.3

70+00 71+00 72+00 73+00 74+00 74+75.29

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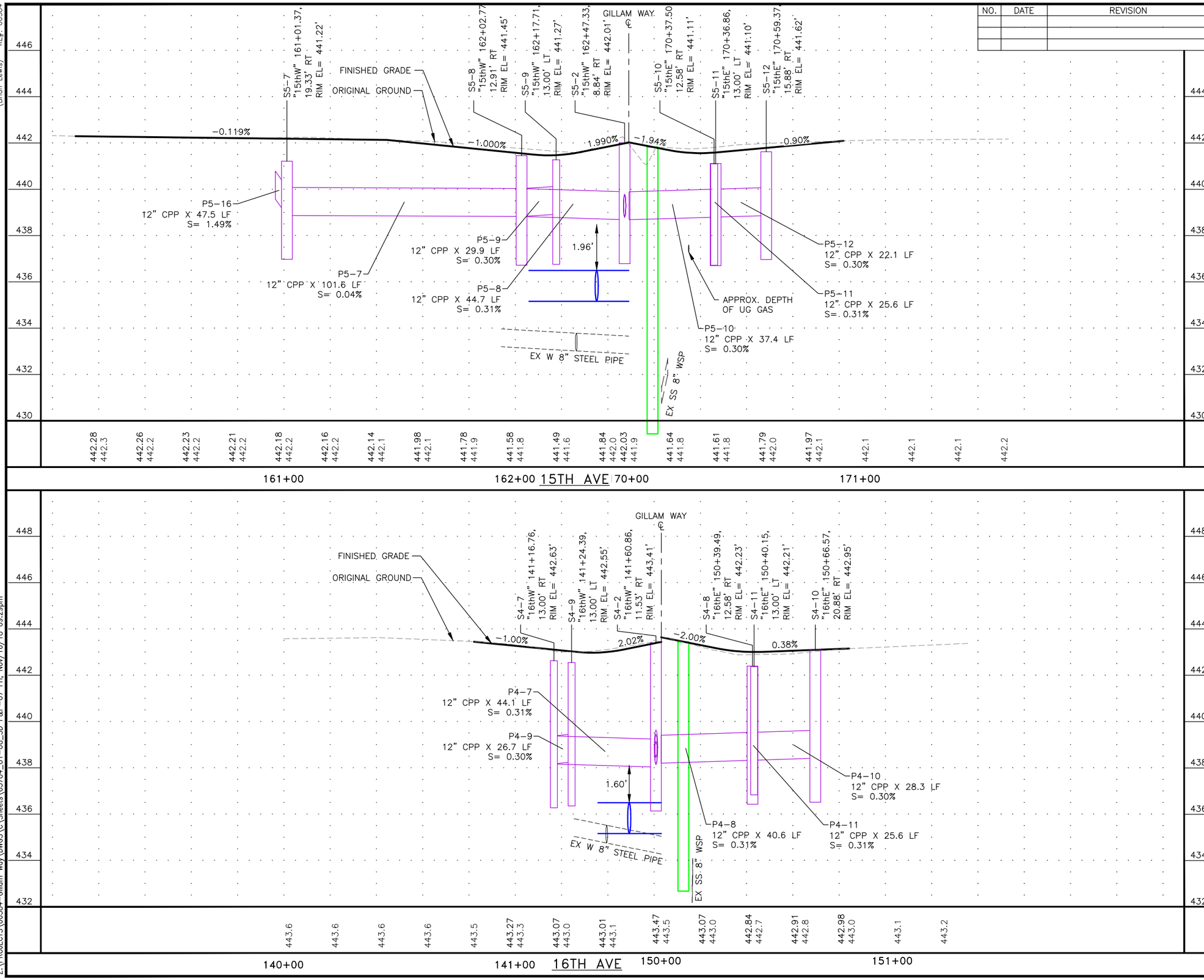
Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_U1-U8_SD P&P-U6 Fri, Nov/16/18 09:29pm (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U7	U15



STATE OF ALASKA 11/16/2018 REVIEW PS&E PROFESSIONAL ENGINEER

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Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_U1-U8_SD P&P-U7 Fri, Nov/16/18 09:29pm
(Brian Lewis) KE#: 00384

KE#: 00384
(Brian Lewis)

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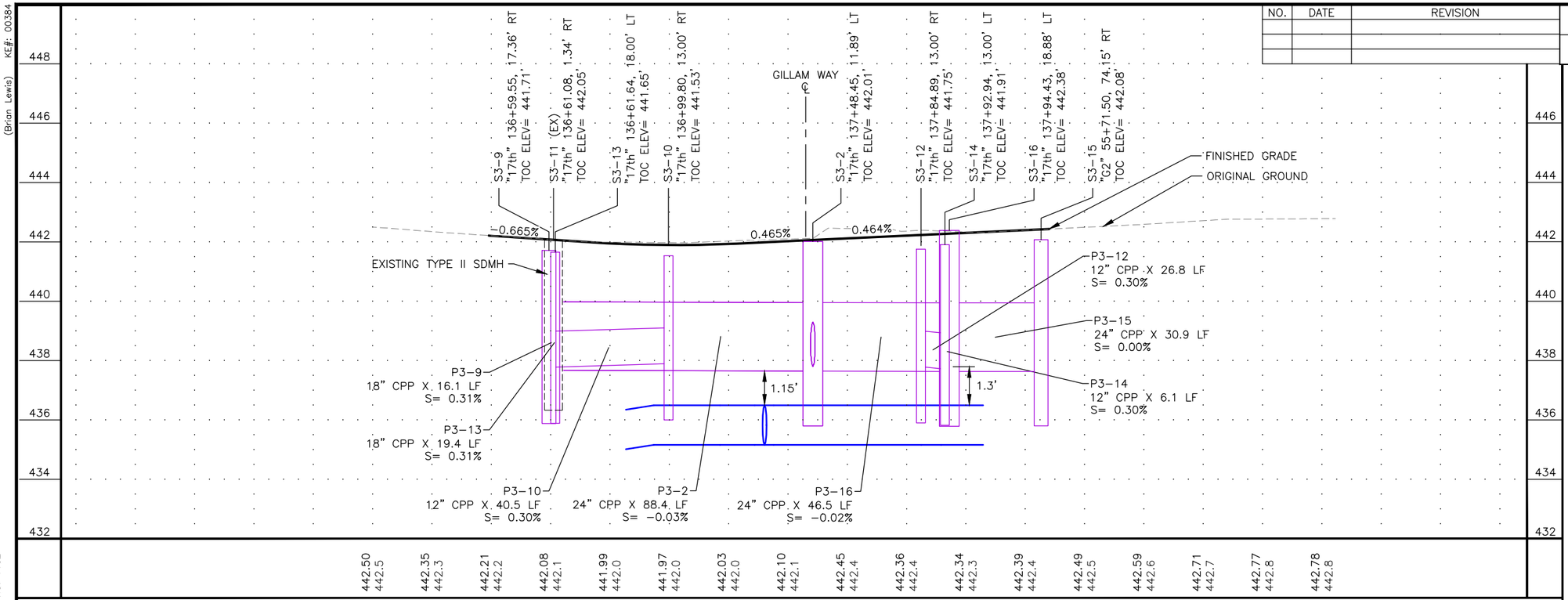
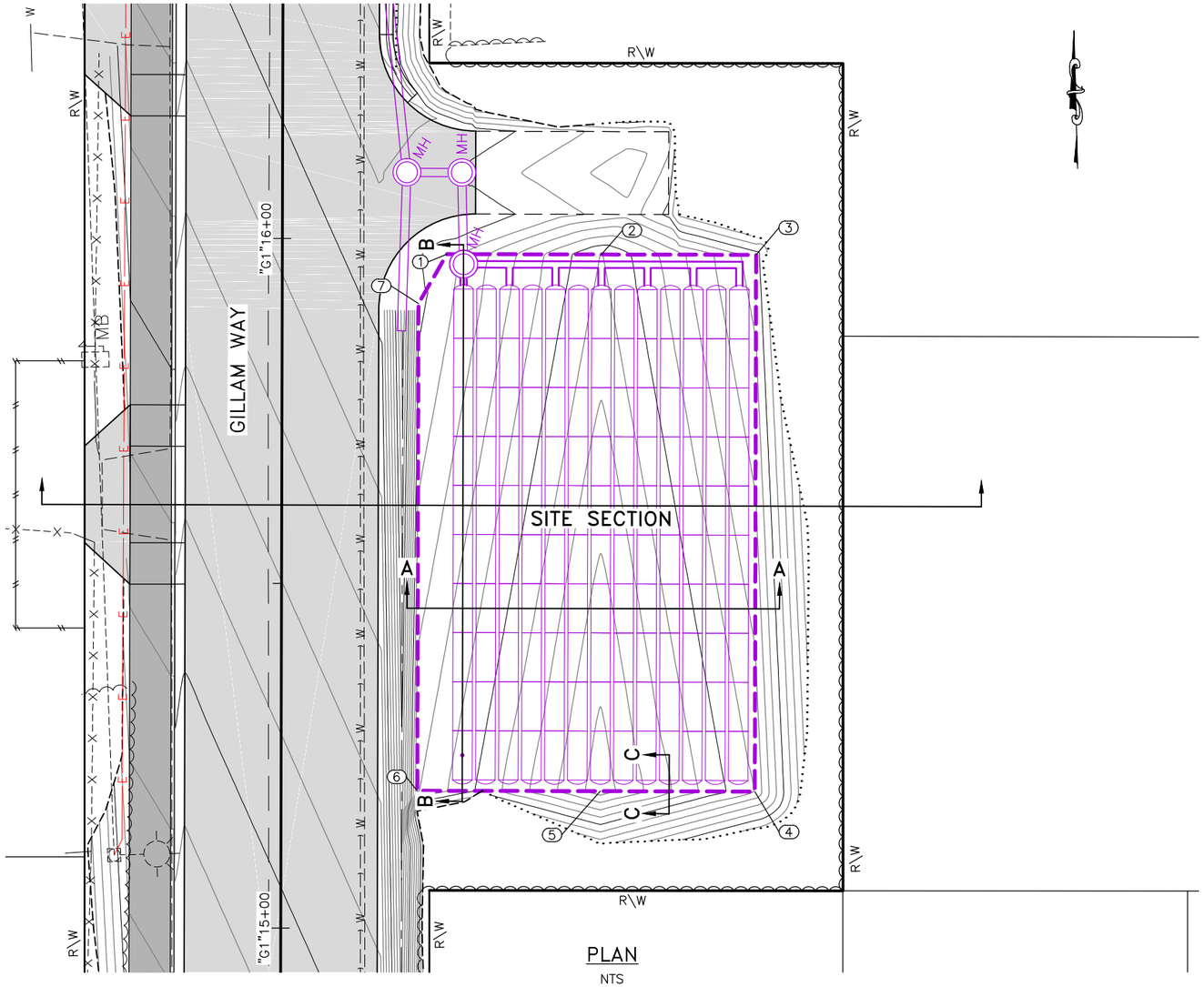
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U8	U15



PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
Z:\PROJECTS\00384-Gillam Way\DWGS\C\Sheets\63784_U1-U8_SD P&P-U8 Fri, Nov/16/18 09:29pm

NO.	DATE	REVISION

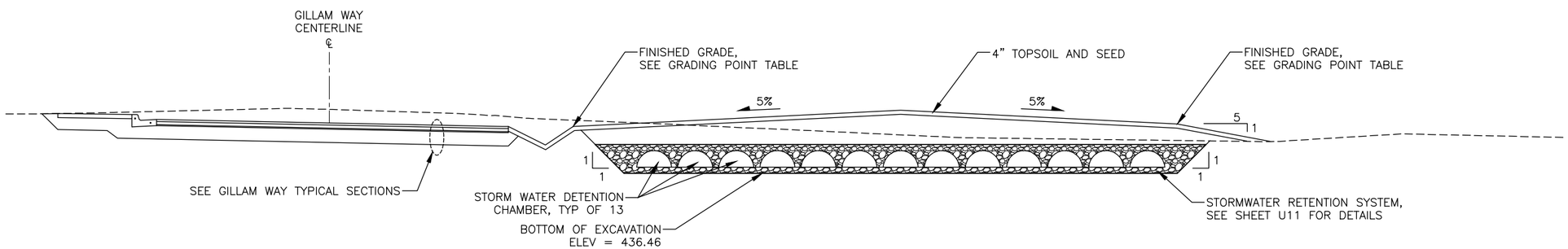
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U9	U15



PLAN
NTS

GRADING POINT TABLE

PT#	STATION	OFFSET	ELEV	DESC
1	"G1" 15+97.81	23.877 RT	440.09	TOP
2	"G1" 15+97.81	46.293 RT	441.21	TOP
3	"G1" 15+97.81	68.707 RT	440.09	TOP
4	"G1" 15+19.97	68.710 RT	440.79	TOP
5	"G1" 15+19.97	46.293 RT	441.91	TOP
6	"G1" 15+19.97	19.753 RT	440.58	TOP
7	"G1" 15+90.63	19.753 RT	439.97	TOP



SITE SECTION
NTS

STORMWATER RETENTION SYSTEM

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
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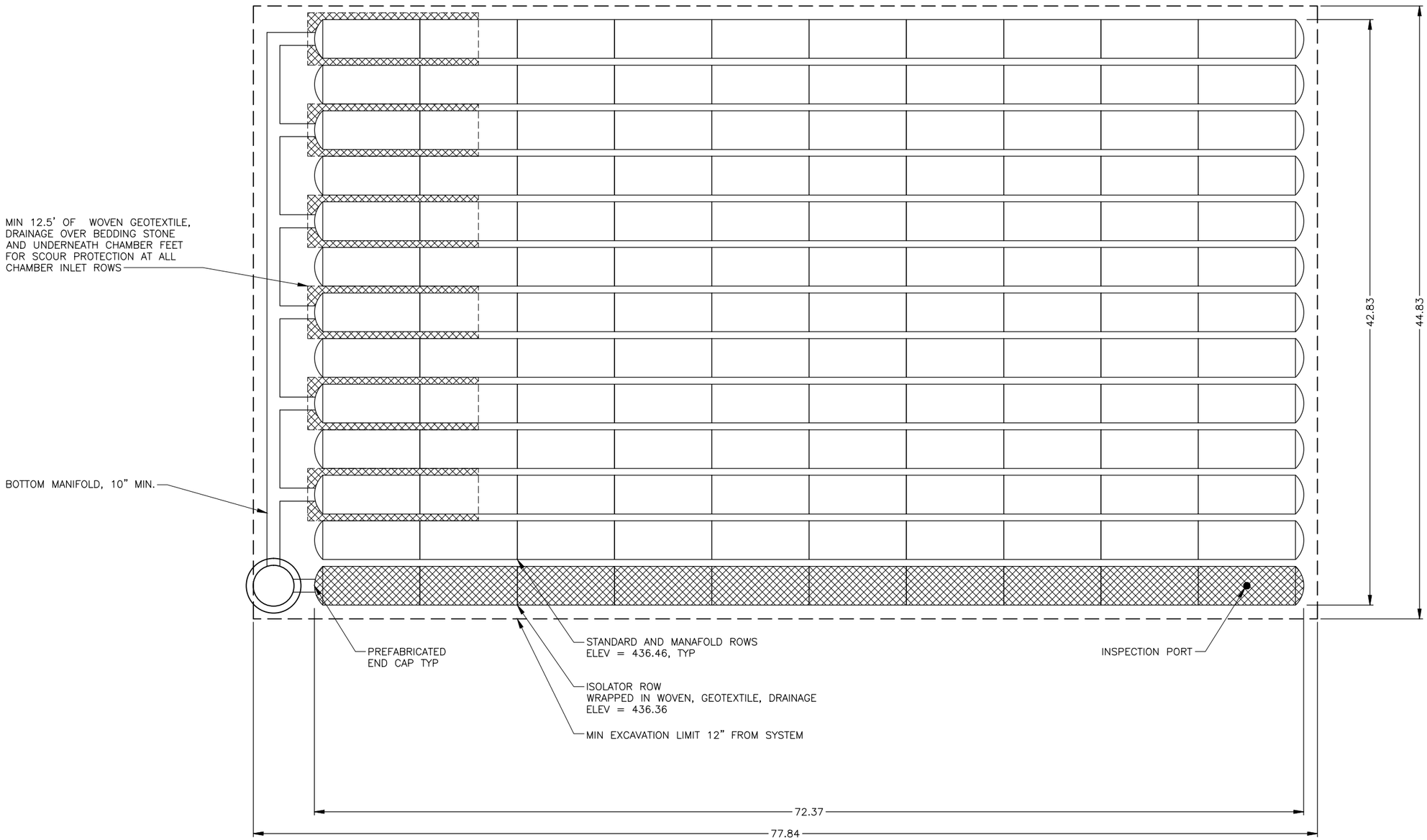
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_U9-U11_SD_RETENTION.DWG PLOTTED: Nov 16, 2018 - 9:33:54 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U10	U15



STORMWATER RETENTION SYSTEM

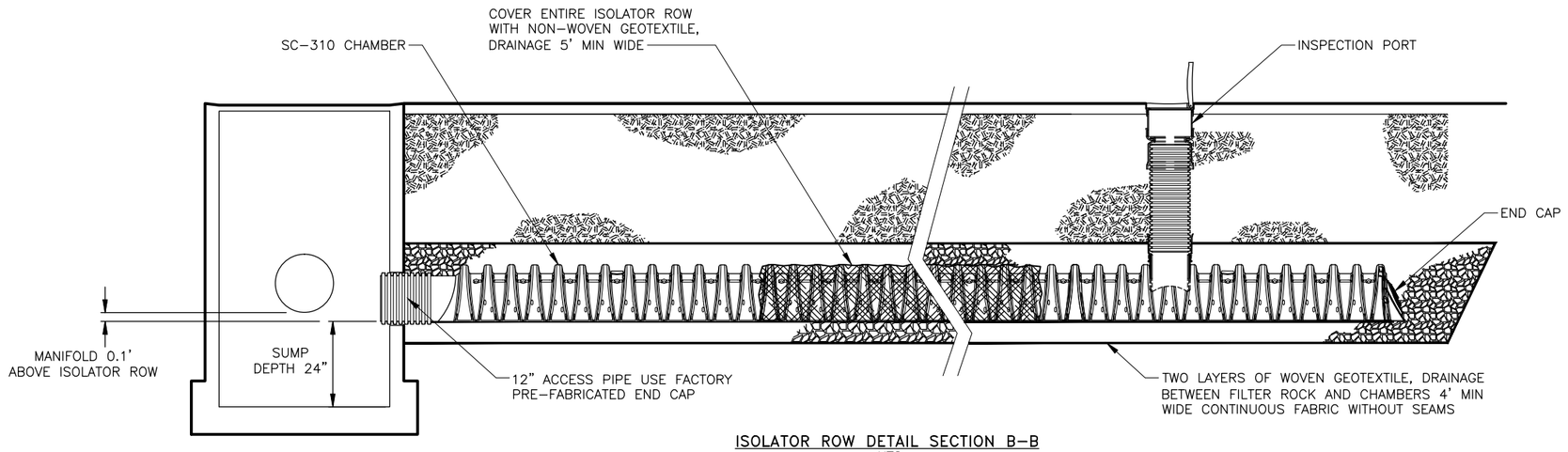
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
REVIEW
PS&E
REGISTERED PROFESSIONAL ENGINEER

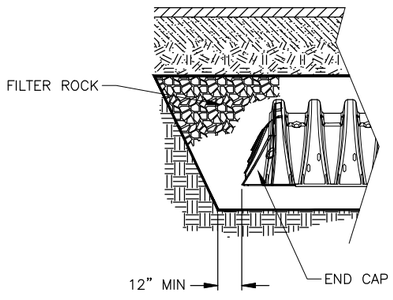
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_U9-U11_SD_RETENTION.DWG PLOTTED: Nov 16, 2018 - 9:31:57 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

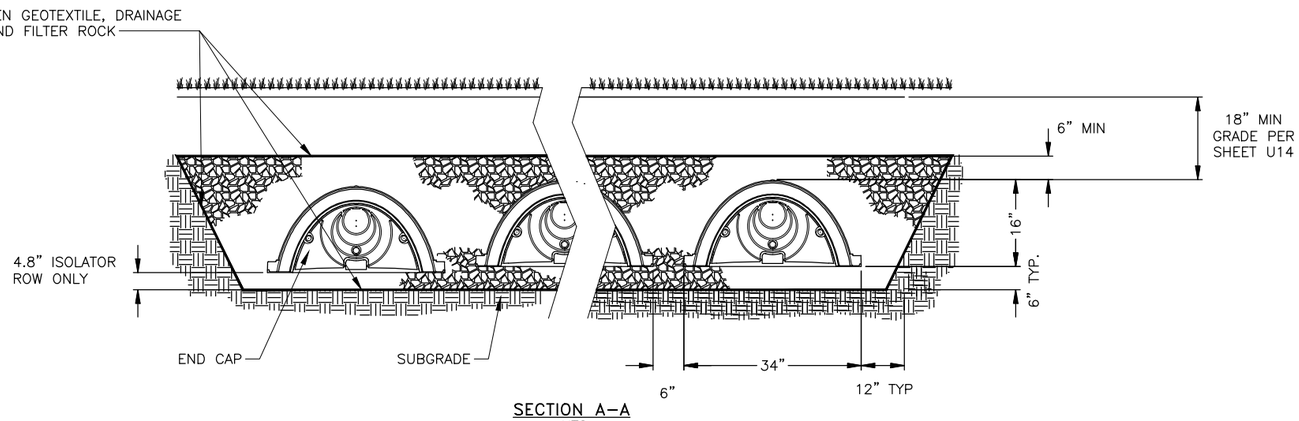
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U11	U15



ISOLATOR ROW DETAIL SECTION B-B
NTS



SECTION C-C
NTS



SECTION A-A
NTS

NOTES:

1. CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
4. A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING. DO NOT COMPACT SUBGRADE.

STORMWATER RETENTION SYSTEM

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
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PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_U9-U11_SD_RETENTION.DWG PLOTTED: Nov 16, 2018 - 9:32:10 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U12	U15

STRUCTURE SUMMARY

STRUCTURE	604(1) MANHOLE, 48" TYPE II	604(1) MANHOLE, 72" TYPE II	604(5) INLET, TYPE A	STATION	OFFSET	TOC ELEV.	SUMP DEPTH	PIPES IN	PIPES OUT	COVER	REMARKS
S1-1	1			"G1" 16+09.64	25.98' R	440.03'	2.0'	P1-2, INV IN = 436.54'	P1-1, INV OUT = 436.46'	SOLID	
S1-2	1			"G1" 16+09.64	18.01' R	439.87'	1.5'	P1-3, INV IN = 436.62' P1-9, INV IN = 437.62'	P1-2, INV OUT = 436.62'	SOLID	
S1-3	1			"G1" 16+42.15	14.58' R	439.37'	1.5'	P1-4, INV IN = 436.72' P1-6, INV IN = 436.72'	P1-3, INV OUT = 436.72'	DEPRESSED CURB INLET AND GRATE	
S1-4	1			"G1" 16+63.64	36.11' L	439.40'	1.5'	P1-5, INV IN = 436.89'	P1-4, INV OUT = 436.89'	DEPRESSED CURB INLET AND FRAME	
S1-5			1	"G1" 16+89.22	35.57' L	439.41'	0.0'		P1-5, INV OUT = 436.97'	DEPRESSED CURB INLET AND GRATE	
S1-6			1	"G1" 17+19.13	15.00' R	438.96'	1.5'	P1-7, INV IN = 436.95' P1-8, INV IN = 436.95'	P1-6, INV OUT = 436.95'	DEPRESSED CURB INLET AND GRATE	
S1-7			1	"G1" 17+19.13	15.00' L	439.52'	1.5'		P1-7, INV OUT = 437.04'	STD CURB INLET AND FRAME	
S1-8			1	"G1" 19+08.36	17.00' R	439.48'	1.5'		P1-8, INV OUT = 437.52'	FIELD INLET AND GRATE	
S2-1			1	"G2" 51+19.40	15.00' L	442.14'	1.5'		P2-1, INV OUT = 439.04'	DEPRESSED CURB INLET AND GRATE	
S2-2			1	"G2" 51+14.66	15.00' R	442.12'	1.5'	P2-1, INV IN = 438.94'	P2-2, INV OUT = 438.94'	DEPRESSED CURB INLET AND GRATE	
S2-3			1	"G2" 51+77.53	44.00' R	442.41'	1.5'	P2-2, INV IN = 438.67'	P2-3, INV OUT = 438.67'	FIELD INLET AND GRATE	
S2-4	1			"G2" 51+94.66	30.49' R	442.28'	1.5'	P2-3, INV IN = 438.58'	P2-4, INV OUT = 438.58'	STD CURB INLET AND GRATE	
S2-5	1			"G2" 52+19.19	0.16' L	442.98'	1.5'	P2-4, INV IN = 438.46'	P2-5, INV OUT = 438.46'	SOLID	
S2-6			1	"G2" 54+04.24	21.99' L	440.54'	3.4'			FIELD INLET AND GRATE	
S3-1	1			"G2" 54+96.38	0.00'	442.18'	1.5'	P3-8, INV IN = 437.91' P2-5, INV IN = 437.91' P3-7, INV IN = 437.91'	P3-1, INV OUT = 437.91'	SOLID	
S3-2		1		"G2" 55+50.14	0.00'	442.01'	1.5'	P3-3, INV IN = 437.80' P3-16, INV IN = 437.80' P3-1, INV IN = 437.80'	P3-2, INV OUT = 437.80'	SOLID	
S3-3	1			"G2" 56+12.50	0.00'	441.86'	1.5'	P3-4, INV IN = 437.84' P3-17, INV IN = 437.84' P3-18, INV IN = 437.84'	P3-3, INV OUT = 437.84'	SOLID	
S3-4	1			"G2" 57+26.42	0.00'	442.19'	1.5'	P3-5, INV IN = 437.91' P3-19, INV IN = 437.91'	P3-4, INV OUT = 437.91'	SOLID	
S3-5	1			"G2" 58+51.95	0.00'	442.57'	1.5'	P3-6, INV IN = 437.98' P3-20, INV IN = 437.99' P3-21, INV IN = 437.99'	P3-5, INV OUT = 437.98'	SOLID	
S3-6	1			"G2" 60+15.56	0.00'	443.08'	1.5'	P3-22, INV IN = 438.10' P4-1, INV IN = 438.08'	P3-6, INV OUT = 438.08'	SOLID	
S3-7			1	"G2" 54+96.38	13.00' R	441.70'	1.5'		P3-7, INV OUT = 437.95'	STD CURB INLET AND GRATE	
S3-8			1	"G2" 54+96.38	13.00' L	441.70'	0.0'		P3-8, INV OUT = 437.95'	STD CURB INLET AND GRATE	INSULATE STRUCTURE
S3-9	1			"G2" 55+04.49	81.61' L	441.71'	1.5'	P3-10, INV IN = 437.88'	P3-9, INV OUT = 437.88'	STD CURB INLET AND GRATE	
S3-10			1	"G2" 55+16.44	42.93' L	441.53'	1.5'		P3-10, INV OUT = 438.00'	STD CURB INLET AND GRATE	
S3-11 (EX)				"G2" 55+20.51	83.16' L	442.05'	1.0'	P3-2, INV IN = 437.83' * P3-9, INV IN = 437.83' P3-13, INV IN = 437.83'		SOLID	RECONSTRUCT MANHOLE
S3-12			1	"G2" 55+32.63	40.61' R	441.75'	1.5'		P3-12, INV OUT = 437.90'	STD CURB INLET AND GRATE	

* BEFORE BEGINNING CONSTRUCTION OF NEW SD SYSTEM VERIFY INVERTS AND SLOPE OF EXISTING PIPES BEING RECONNECTED TO NEW SD SYSTEM. ALERT ENGINEER TO ANY DISCREPANCIES. ANY CHANGES TO STRUCTURE LOCATION; INVERT, TOC, OR SUMP ELEVATIONS; PIPE SLOPES; AND COVER TYPE SHALL BE APPROVED BY ENGINEER.

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC

11/16/2018 REVIEW P&E

STORM DRAIN SUMMARY TABLES 1 OF 4

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_U12-U15_SUM TABLE.DWG PLOTTED: Nov 16, 2018 - 9:29:52 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U13	U15

STRUCTURE SUMMARY

STRUCTURE	604(1) MANHOLE, 48" TYPE II	604(1) MANHOLE, 72" TYPE II	604(5) INLET, TYPE A	STATION	OFFSET	TOC ELEV.	SUMP DEPTH	PIPES IN	PIPES OUT	COVER	REMARKS
S3-13			1	"G2" 55+38.93	86.30' L	441.65'	1.5'		P3-13, INV OUT = 437.89'	STD CURB INLET AND GRATE	
S3-14			1	"G2" 55+60.04	43.39' R	441.91'	1.5'	P3-12, INV IN = 437.82'	P3-14, INV OUT = 437.82'	STD CURB INLET AND GRATE	
S3-15	1			"G2" 55+71.50	74.15' R	442.08'	1.5'		P3-15, INV OUT = 437.79'	STD CURB INLET AND GRATE	
S3-16		1		"G2" 55+66.10	43.68' R	442.38'	1.5'	P3-14, INV IN = 437.80' P3-15, INV IN = 437.79'	P3-16, INV OUT = 437.79' *	SOLID	
S3-17			1	"G2" 56+12.50	16.00' L	441.59'	1.5'		P3-17, INV OUT = 437.89'	STD CURB INLET AND GRATE	INSULATE STRUCTURE
S3-18			1	"G2" 56+12.50	16.00' R	441.59'	1.5'		P3-18, INV OUT = 437.89'	STD CURB INLET AND GRATE	
S3-19			1	"G2" 57+26.42	16.00' L	441.88'	1.5'		P3-19, INV OUT = 437.96'	STD CURB INLET AND GRATE	INSULATE STRUCTURE
S3-20			1	"G2" 58+51.95	15.83' R	442.24'	1.5'		P3-20, INV OUT = 438.04'	STD CURB INLET AND GRATE	
S3-21			1	"G2" 58+51.95	16.17' L	442.24'	1.5'		P3-21, INV OUT = 438.04'	STD CURB INLET AND GRATE	INSULATE STRUCTURE
S3-22			1	"G2" 60+15.56	16.00' L	442.70'	1.5'		P3-22, INV OUT = 438.15'	STD CURB INLET AND GRATE	INSULATE STRUCTURE
S4-1	1			"G2" 60+80.82	0.00'	443.28'	1.5'	P4-6, INV IN = 438.12' P4-2, INV IN = 438.12'	P4-1, INV OUT = 438.12'	SOLID	
S4-2	1			"G2" 61+20.51	0.00'	443.41'	1.5'	P4-7, INV IN = 438.14' P4-8, INV IN = 438.14' P4-3, INV IN = 438.45'	P4-2, INV OUT = 438.14'	SOLID	
S4-3	1			"G2" 63+29.63	0.00'	442.40'	1.5'	P4-4, INV IN = 438.58' P4-12, INV IN = 438.58'	P4-3, INV OUT = 438.58'	SOLID	
S4-4	1			"G2" 63+96.62	0.00'	442.00'	1.5'	P4-15, INV IN = 438.62' P4-5, INV IN = 438.62' P4-13, INV IN = 438.62'	P4-4, INV OUT = 438.62'	SOLID	
S4-5	1			"G2" 65+17.83	0.00'	442.13'	1.5'	P5-1, INV IN = 438.69' P4-17, INV IN = 438.69'	P4-5, INV OUT = 438.69'	SOLID	
S4-6	1			"G2" 60+87.05	26.81' L	443.45'	1.4'		P4-6, INV OUT = 438.42'	SOLID	
S4-7			1	"G2" 61+10.53	42.99' L	442.63'	1.5'	P4-9, INV IN = 438.28'	P4-7, INV OUT = 438.27'	STD CURB INLET AND GRATE	
S4-8	1			"G2" 61+30.10	39.48' R	442.23'	1.5'	P4-11, INV IN = 438.26' P4-10, INV IN = 438.26'	P4-8, INV OUT = 438.26'	STD CURB INLET AND GRATE	
S4-9			1	"G2" 61+37.51	40.54' L	442.55'	1.5'		P4-9, INV OUT = 438.36'	STD CURB INLET AND GRATE	
S4-10	1			"G2" 61+21.76	66.54' R	442.95'	1.5'		P4-10, INV OUT = 438.35' *	SOLID	
S4-11			1	"G2" 61+55.68	40.17' R	442.21'	1.5'		P4-11, INV OUT = 438.34'	STD CURB INLET AND GRATE	
S4-12			1	"G2" 63+29.63	25.65' R	442.09'	1.5'		P4-12, INV OUT = 438.66'	FIELD INLET AND GRATE	
S4-13			1	"G2" 63+96.62	16.00' L	441.58'	1.5'	P4-14, INV IN = 438.67'	P4-13, INV OUT = 438.67'	DEPRESSED CURB INLET AND GRATE	INSULATE STRUCTURE
S4-14			1	"G2" 63+96.62	26.91' L	441.09'	1.5'		P4-14, INV OUT = 438.70' *	FIELD INLET AND GRATE	
S4-15			1	"G2" 63+96.62	16.00' R	441.43'	1.5'		P4-15, INV OUT = 438.67'	DEPRESSED CURB INLET AND GRATE	
S4-16			1	"G2" 65+17.84	25.94' R	441.63'	1.5'		P4-16, INV OUT = 438.77'	FIELD INLET AND GRATE	

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STORM DRAIN
SUMMARY TABLES
2 OF 4

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
REVIEW
PS&E
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_U12-U15_SUM TABLE.DWG PLOTTED: Nov 16, 2018 - 9:29:56 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U14	U15

STRUCTURE SUMMARY

STRUCTURE	604(1) MANHOLE, 48" TYPE II	604(1) MANHOLE, 72" TYPE II	604(5) INLET, TYPE A	STATION	OFFSET	TOC ELEV.	SUMP DEPTH	PIPES IN	PIPES OUT	COVER	REMARKS
S4-17			1	"G2" 65+17.83	16.00' R	441.56'	1.5'	P4-16, INV IN = 438.74'	P4-17, INV OUT = 438.74'	DEPRESSED CURB INLET AND GRATE	
S5-1	1			"G2" 66+08.00	0.00'	441.91'	1.5'	P5-2, INV IN = 438.75' P5-5, INV IN = 438.75' P5-6, INV IN = 438.75'	P5-1, INV OUT = 438.75'	SOLID	
S5-2	1			"G2" 66+79.00	0.00'	442.01'	1.5'	P5-10, INV IN = 438.79' P5-3, INV IN = 438.79' P5-8, INV IN = 438.79'	P5-2, INV OUT = 438.79'	SOLID	
S5-3	1			"G2" 67+26.70	0.00'	442.08'	1.5'	P5-14, INV IN = 438.82' P5-13, INV IN = 438.82' P5-4, INV IN = 438.82'	P5-3, INV OUT = 438.82'	SOLID	
S5-4	1			"G2" 67+83.31	0.04' R	442.16'	1.5'	P5-15, INV IN = 438.85'	P5-4, INV OUT = 438.85'	SOLID	
S5-5			1	"G2" 66+08.00	16.00' L	441.49'	1.5'		P5-5, INV OUT = 438.79'	DEPRESSED CURB INLET AND GRATE	INSULATE STRUCTURE
S5-6			1	"G2" 66+08.00	15.76' R	441.49'	1.5'		P5-6, INV OUT = 438.79'	DEPRESSED CURB INLET AND GRATE	
S5-7	1			"G2" 66+39.80	140.99' L	441.22'	1.5'	P5-16, INV IN = 438.97'	P5-7, INV OUT = 438.97' *	STD CURB INLET AND GRATE	
S5-8	1			"G2" 66+66.18	42.87' L	441.45'	1.5'	P5-7, INV IN = 438.93' P5-9, INV IN = 438.93'	P5-8, INV OUT = 438.93'	STD CURB INLET AND GRATE	
S5-9			1	"G2" 66+94.54	33.36' L	441.27'	1.5'		P5-9, INV OUT = 439.02'	STD CURB INLET AND GRATE	
S5-10	1			"G2" 66+78.86	37.37' R	441.11'	1.5'	P5-11, INV IN = 438.90' P5-12, INV IN = 438.90'	P5-10, INV OUT = 438.90'	STD CURB INLET AND GRATE	
S5-11			1	"G2" 67+04.45	36.99' R	441.10'	1.5'		P5-11, INV OUT = 438.98'	STD CURB INLET AND GRATE	
S5-12	1			"G2" 66+75.34	59.20' R	441.62'	1.5'		P5-12, INV OUT = 438.97' *	SOLID	INSULATE STRUCTURE
S5-13			1	"G2" 67+21.76	15.58' L	441.65'	1.5'		P5-13, INV OUT = 438.87'	STD CURB INLET AND GRATE	
S5-14			1	"G2" 67+31.64	16.00' R	441.66'	1.5'		P5-14, INV OUT = 438.87'	STD CURB INLET AND GRATE	
S5-15			1	"G2" 67+83.33	29.01' L	441.64'	1.5'		P5-15, INV OUT = 439.27'	FIELD INLET AND GRATE	
S6-1	1			"G2" 70+53.18	15.59' L	441.76'	1.5'		P6-1, INV OUT = 438.93'	STD CURB INLET AND GRATE	INSULATE STRUCTURE
S6-2	1			"G2" 70+73.09	28.52' L	442.17'	1.5'	P6-1, INV IN = 438.86'	P6-2, INV OUT = ME**	SOLID	
S6-3		1		"G2" 71+53.21	28.09' L	441.83'	1.5'	P6-2, INV IN = ME** P6-6, INV IN = 438.48' P6-7, INV IN = ME**	P6-3, INV OUT = ME**	SOLID	CONNECT P8-4 TO EXISTING INLET BOX AT EX INVERT ELEV
S6-4	1			"G2" 71+71.12	23.90' L	441.88'	1.5'	P6-8, INV IN = 438.47' P6-3, INV IN = ME**	P6-4, INV OUT = ME**	SOLID	
S6-5			1	"G2" 70+94.39	56.30' L	441.23'	1.5'		P6-5, INV OUT = 438.75'	STD CURB INLET AND GRATE	
S6-6	1			"G2" 71+27.99	56.72' L	441.10'	1.5'	P6-5, INV IN = 438.65'	P6-6, INV OUT = 438.65'	STD CURB INLET AND GRATE	
S6-7			1	"G2" 71+53.32	17.13' R	441.41'	1.5'		P6-7, INV OUT = ME**	DEPRESSED CURB INLET AND GRATE	
S6-8			1	"G2" 71+70.01	19.07' L	441.30'	1.5'		P6-8, INV OUT = 438.50'	STD CURB INLET AND FRAME	INSULATE STRUCTURE
TOTALS	33	3	39								

* BEFORE BEGINNING CONSTRUCTION OF NEW SD SYSTEM VERIFY INVERTS AND SLOPE OF EXISTING PIPES BEING RECONNECTED TO NEW SD SYSTEM. ALERT ENGINEER TO ANY DISCREPENSIES. ANY CHANGES TO STRUCTURE LOCATION; INVERT, TOC, OR SUMP ELEVATIONS; PIPE SLOPES; AND COVER TYPE SHALL BE APPROVED BY ENGINEER.

** TO AVOID CONFILCTS WITH EXISTING DUCT BANK, ME INVERT ELEVATIONS AND SLOPE OF EXISTING 18" WOOD STAVE SD PIPE WHEN INSTALLING NEW 18" CPP.

STORM DRAIN
SUMMARY TABLES
3 OF 4

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

11/16/2018
REVIEW
PS&E

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_U12-U15_SUM TABLE.DWG PLOTTED: Nov 16, 2018 - 9:30:01 PM (Brian Lewis) KE#: 00384

PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 Anchorage, Alaska 99503 (907) 346-2373 CERT. OF AUTH. NO. 1102
FILE: Z:\PROJECTS\00384-GILLAM WAY\DWGS\C\SHEETS\63784_U12-U15_SUM TABLE.DWG PLOTTED: Nov 16, 2018 - 9:30:10 PM (Brian Lewis) KE#: 00384

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0655012/Z637840000	2019	U15	U15

603(21) CORRUGATED POLYETHYLENE PIPE – LINEAR FOOT

NAME	LENGTH (LF)	SIZE (IN)	START INVERT ELEV	END INVERT ELEV	SLOPE	REMARKS
P1–1	13.3	12	436.46	436.46	0.00%	
P1–2	8.0	12	436.62	436.54	1.00%	
P1–3	32.7	12	436.72	436.62	0.31%	
P1–4	55.1	12	436.89	436.72	0.31%	
P1–5	25.6	12	436.97	436.89	0.31%	
P1–6	77.0	12	436.95	436.72	0.30%	
P1–7	30.0	12	437.04	436.95	0.30%	
P1–8	189.2	12	437.52	436.95	0.30%	
P1–9	23.0	12	438.6	437.62	4.27%	
P2–1	30.3	12	439.04	438.94	0.33%	
P2–2	90.2	12	438.94	438.67	0.30%	
P2–3	29.4	12	438.67	438.58	0.30%	
P2–4	40.1	12	438.58	438.46	0.30%	
P2–5	277.2	18	438.46	437.91	0.20%	
P3–1	53.8	18	437.91	437.8	0.20%	
P3–2	88.4	24	437.8	437.83	–0.03%	
P3–3	62.4	18	437.84	437.8	0.06%	
P3–4	113.9	18	437.91	437.84	0.06%	
P3–5	125.5	18	437.91	437.98	0.06%	
P3–6	163.6	18	438.08	437.98	0.06%	
P3–7	13.0	12	437.95	437.91	0.31%	
P3–8	13.0	12	437.91	437.95	0.30%	
P3–9	16.1	18	437.88	437.83	0.31%	
P3–10	40.5	12	437.88	438	0.30%	
P3–12	26.8	12	437.9	437.82	0.30%	
P3–13	19.4	18	437.89	437.83	0.31%	
P3–14	6.1	12	437.82	437.8	0.30%	
P3–15	31.0	24	437.8	437.8	0.00%	
P3–16	46.5	24	437.79	437.8	–0.02%	
P3–17	16.0	12	437.84	437.89	0.31%	
P3–18	16.0	12	437.89	437.84	0.31%	
P3–19	16.0	12	437.96	437.91	0.30%	
P3–20	15.8	12	437.99	438.04	0.30%	
P3–21	16.2	12	438.04	437.99	0.30%	
P3–22	16.0	12	438.15	438.1	0.30%	
P4–1	65.3	18	438.08	438.12	0.06%	
P4–2	39.7	18	438.12	438.14	0.06%	
P4–3	209.1	12	438.45	438.58	0.06%	
P4–4	67.0	12	438.58	438.62	0.06%	
P4–5	121.2	12	438.62	438.69	0.06%	
P4–6	26.6	12	438.12	438.42	1.13%	
P4–7	44.1	12	438.27	438.14	0.31%	
P4–8	40.6	12	438.14	438.26	0.31%	
P4–9	26.7	12	438.36	438.28	0.30%	
P4–10	28.3	12	438.26	438.35	0.30%	
P4–11	25.6	12	438.26	438.34	0.31%	
P4–12	25.7	12	438.66	438.58	0.31%	
P4–13	16.0	12	438.67	438.62	0.30%	
P4–14	10.9	12	438.67	438.7	0.30%	
P4–15	16.0	12	438.67	438.62	0.30%	
P4–16	9.9	12	438.74	438.77	0.30%	
P4–17	16.0	12	438.69	438.74	0.30%	
P5–1	90.2	12	438.69	438.75	0.06%	
P5–2	71.0	12	438.75	438.79	0.06%	
P5–3	47.7	12	438.79	438.82	0.06%	
P5–4	56.6	12	438.85	438.82	0.06%	
P5–5	16.0	12	438.79	438.75	0.30%	
P5–6	15.8	12	438.79	438.75	0.30%	
P5–7	101.6	12	438.97	438.93	0.04%	

603(21) CORRUGATED POLYETHYLENE PIPE – LINEAR FOOT

NAME	LENGTH (LF)	SIZE (IN)	START INVERT ELEV	END INVERT ELEV	SLOPE	REMARKS
P5–8	44.7	12	438.93	438.79	0.31%	
P5–9	29.9	12	438.93	439.02	0.30%	
P5–10	37.4	12	438.9	438.79	0.30%	
P5–11	25.6	12	438.9	438.98	0.31%	
P5–12	22.1	12	438.9	438.97	0.30%	
P5–13	16.4	12	438.82	438.87	0.30%	
P5–14	16.8	12	438.87	438.82	0.30%	
P5–15	29.1	12	439.27	438.85	1.45%	
P5–16	47.5	12	438.97	439.68	1.49%	
P6–1	23.7	18	438.93	438.86	0.29%	
P6–2	80.1	18	438.48	438.86	0.47%	
P6–3	18.4	18	438.48	438.47	0.05%	
P6–4	238.6	18	438.47	438.16	0.13%	
P6–5	33.6	12	438.65	438.75	0.30%	
P6–6	38.2	12	438.65	438.48	0.45%	
P6–7	45.2	18	438.78	438.48	0.66%	
P6–8	5.0	12	438.47	438.5	0.61%	

604(3) RECONSTRUCT EXISTING MANHOLE – EACH

STATION	OFFSET	REMARKS
"17TH" 136+61	1.3' RT	S3–11, EX 72" SDMH
TOTAL:	1	

604(4) ADJUST EXISTING MANHOLE – EACH

SHEET	STATION	OFFSET	REMARKS
F2	"G1" 16+89	30.8' RT	EX FLUSHWELL
F2	"G1" 16+92	49.3' LT	EX FLUSHWELL
F4	"G2" 51+20	4.1' RT	
F8	"G2" 70+91	8.5' RT	
	TOTAL:	4	

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC

STATE OF ALASKA
11/16/2018
REVIEW
P&E
PROFESSIONAL ENGINEER

STORM DRAIN SUMMARY TABLES
4 OF 4

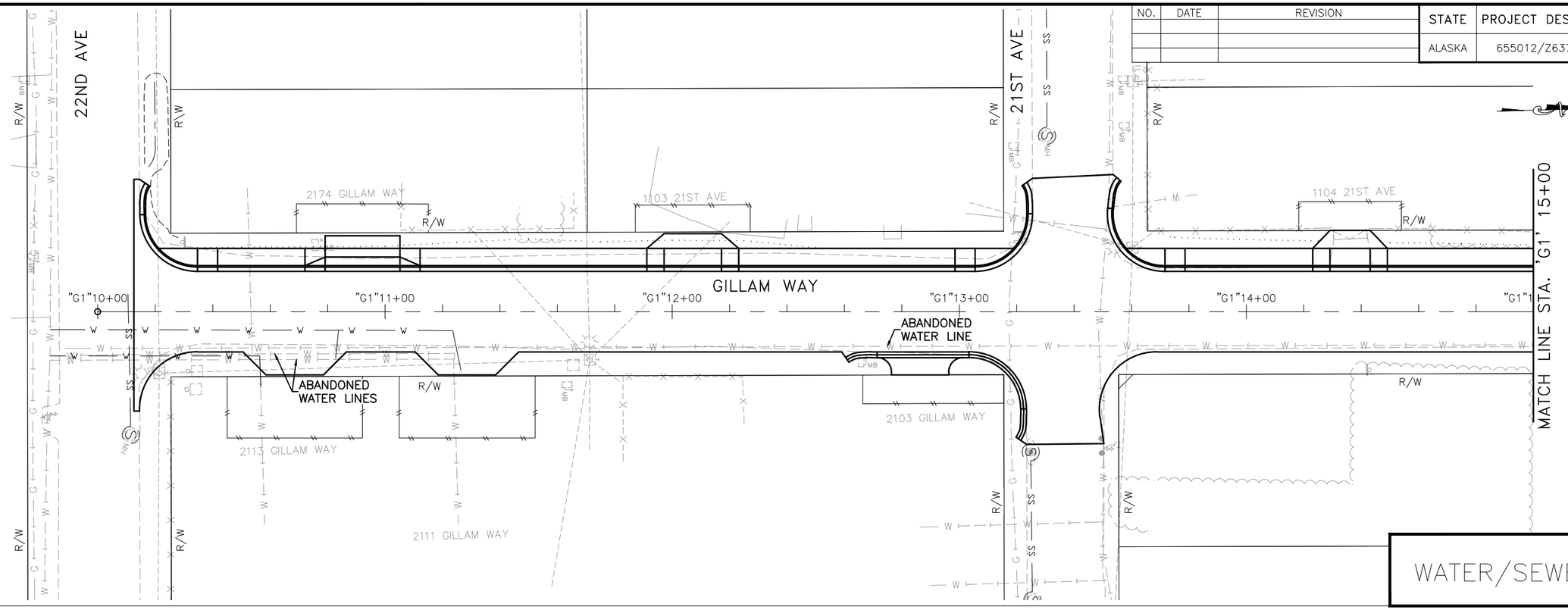
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U18	XX

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

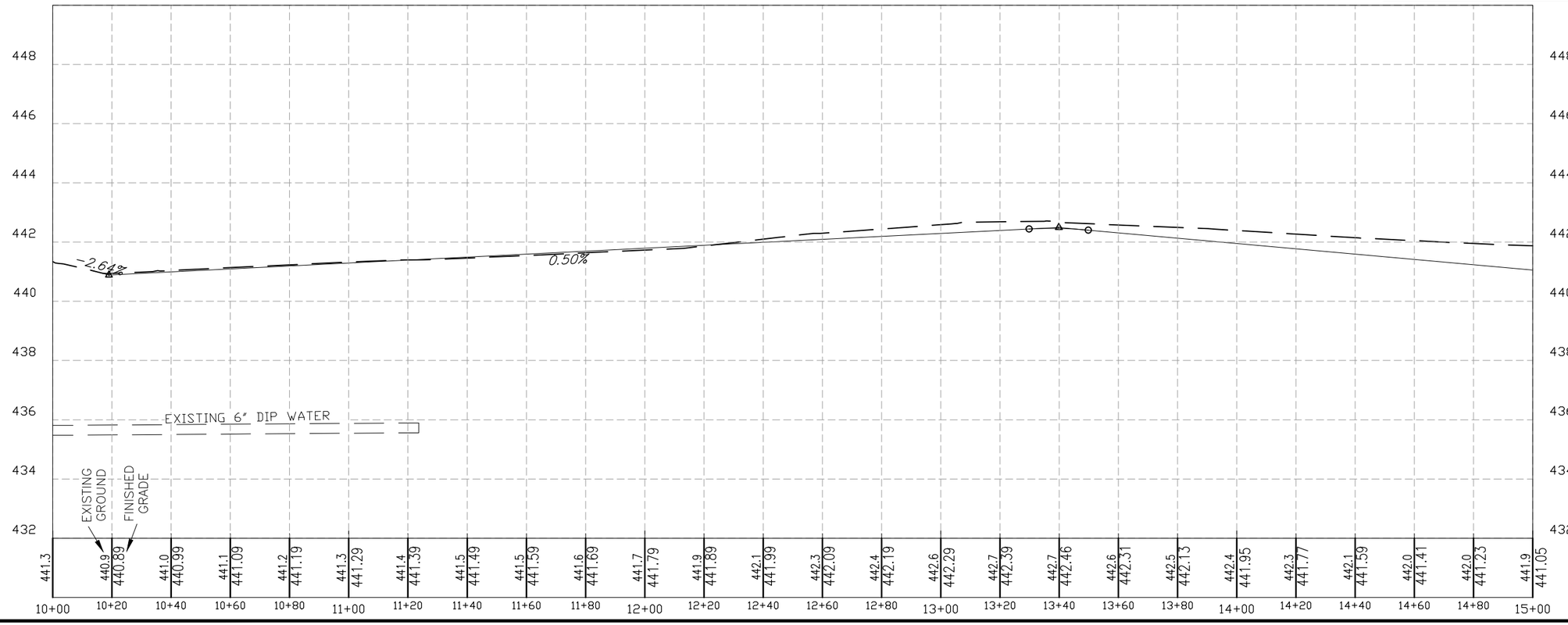
1"=40' HORIZ.,
1"=4' VERT.
(HALF SIZE)

NOTE:
NO NEW WATER OR SEWER ON THIS SHEET.



WATER/SEWER

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9578
REGISTERED PROFESSIONAL ENGINEER



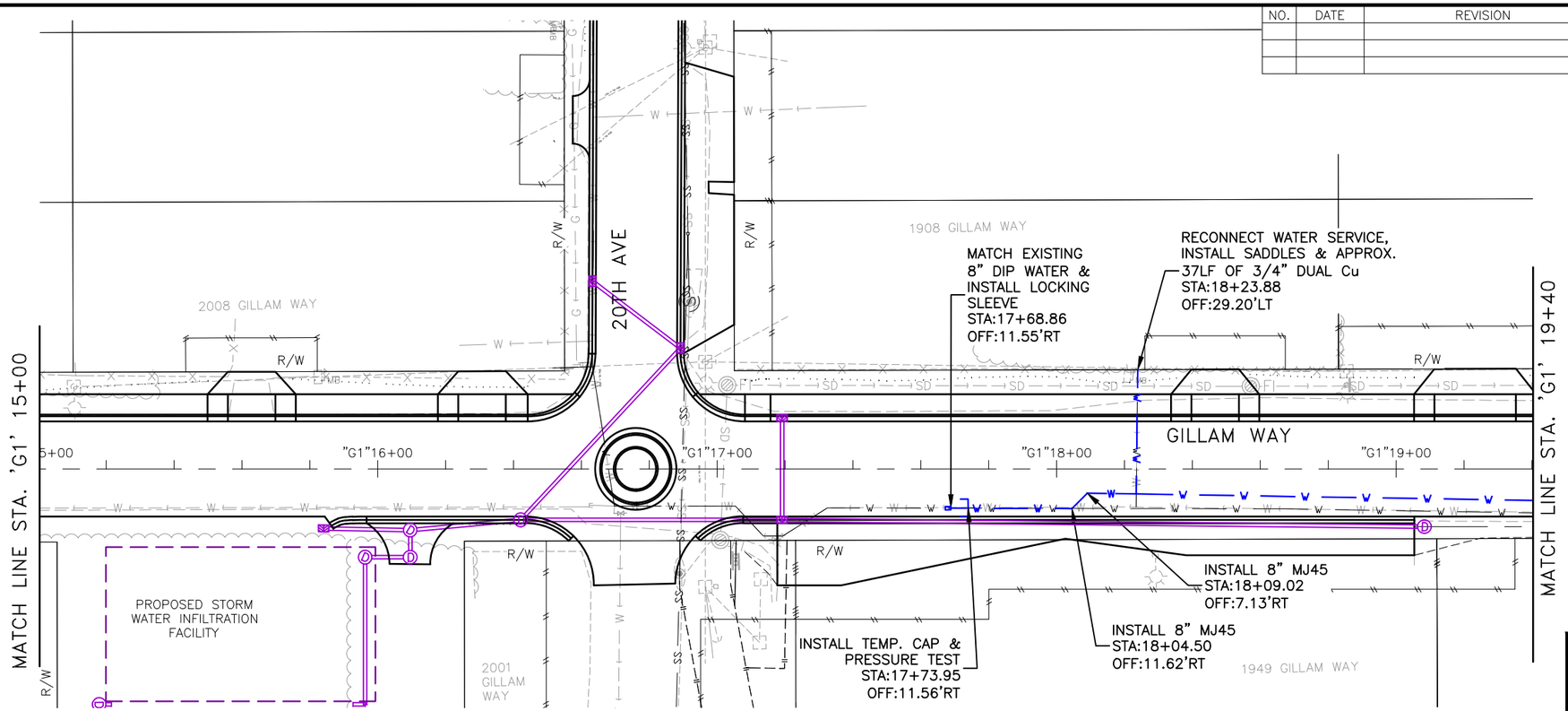
PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5311 Gillam Way\Civil3D Drawing Files\13Production\Plan-Prof_MAT-SEW-U18 Plan-Prof_Mat-Sew Fri, Nov/16/18 03:16pm

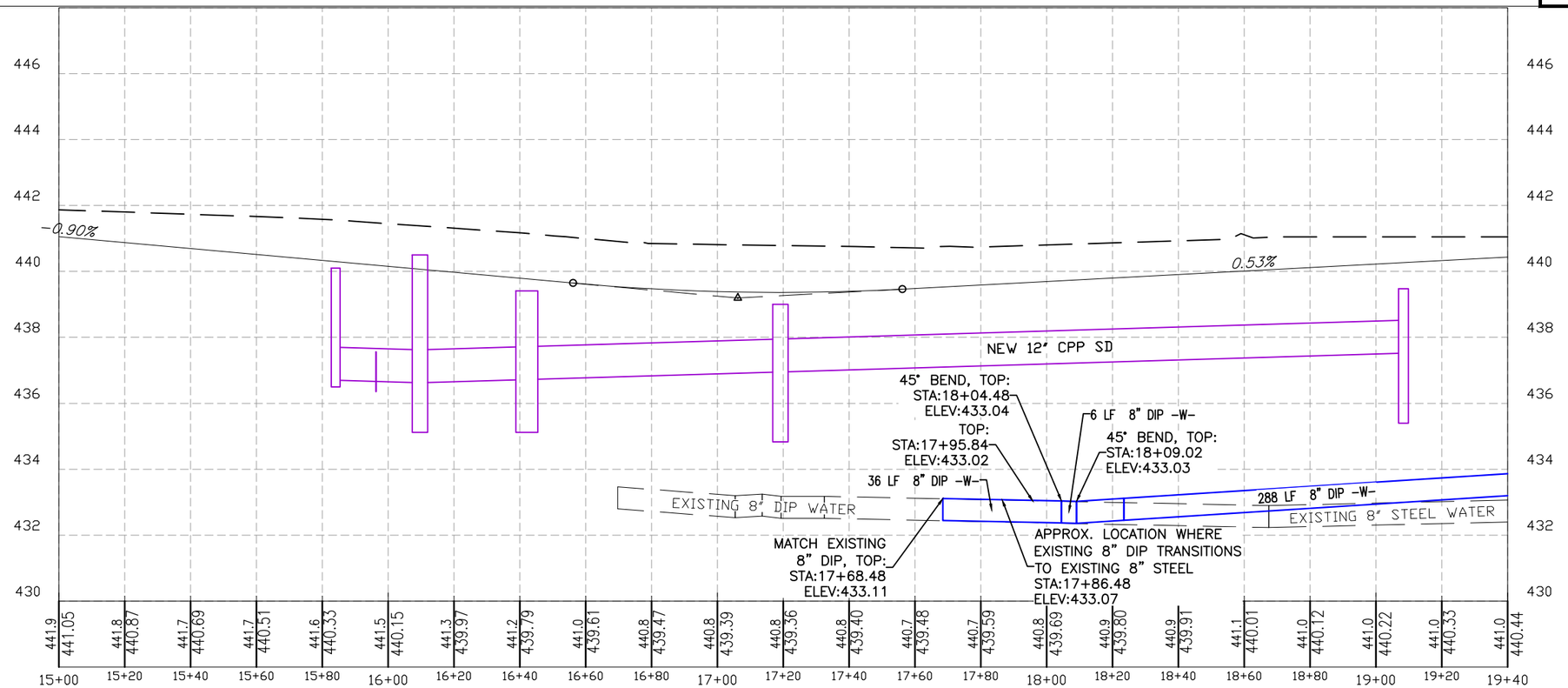
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U19	XX

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

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





WATER/SEWER

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5131 Gillam Way\Civil3D Drawing Files\3Production\Plan-Prof_WAT-SEW-U19 Plan-Prof_Wat-Sew Fri, Nov/16/18 03:16pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U20	XX

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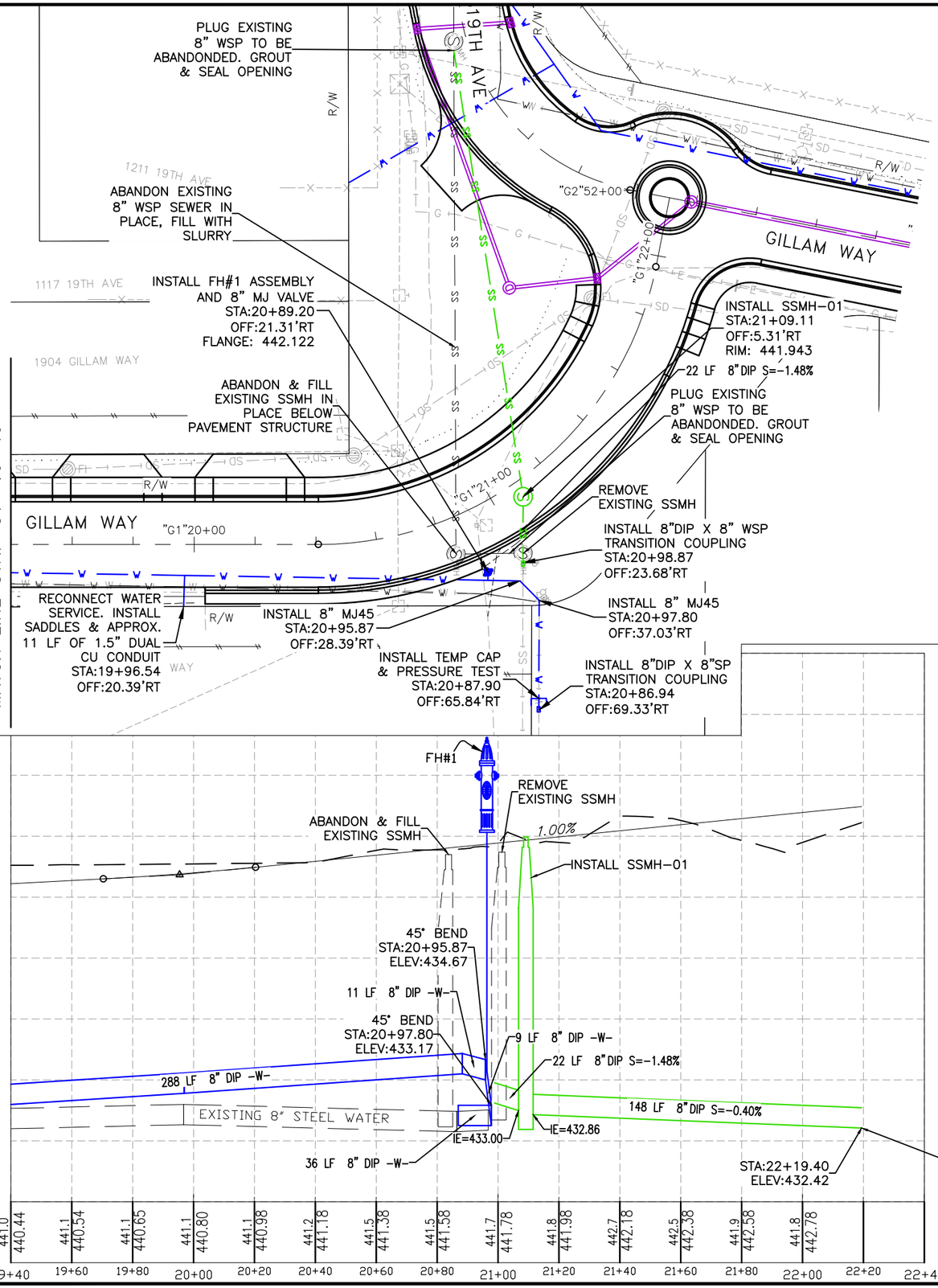
1"=2' VERT.
(FULL SIZE)

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



PROFILE NOTE:
1. EXISTING 8" WSP SEWER NOT SHOWN IN PROFILE FOR CLARITY. NEW SEWER IS AT SAME ELEVATION AND GRADE OF EXISTING SEWER.

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER

WATER/SEWER

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5311 Gillam Way\Civil3D Drawing Files\L3Production\Plan-Prof_MAI-SEW-U20 Plan-Prof_Mai-Sew Fri, Nov/16/18 03:17pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U21	XX

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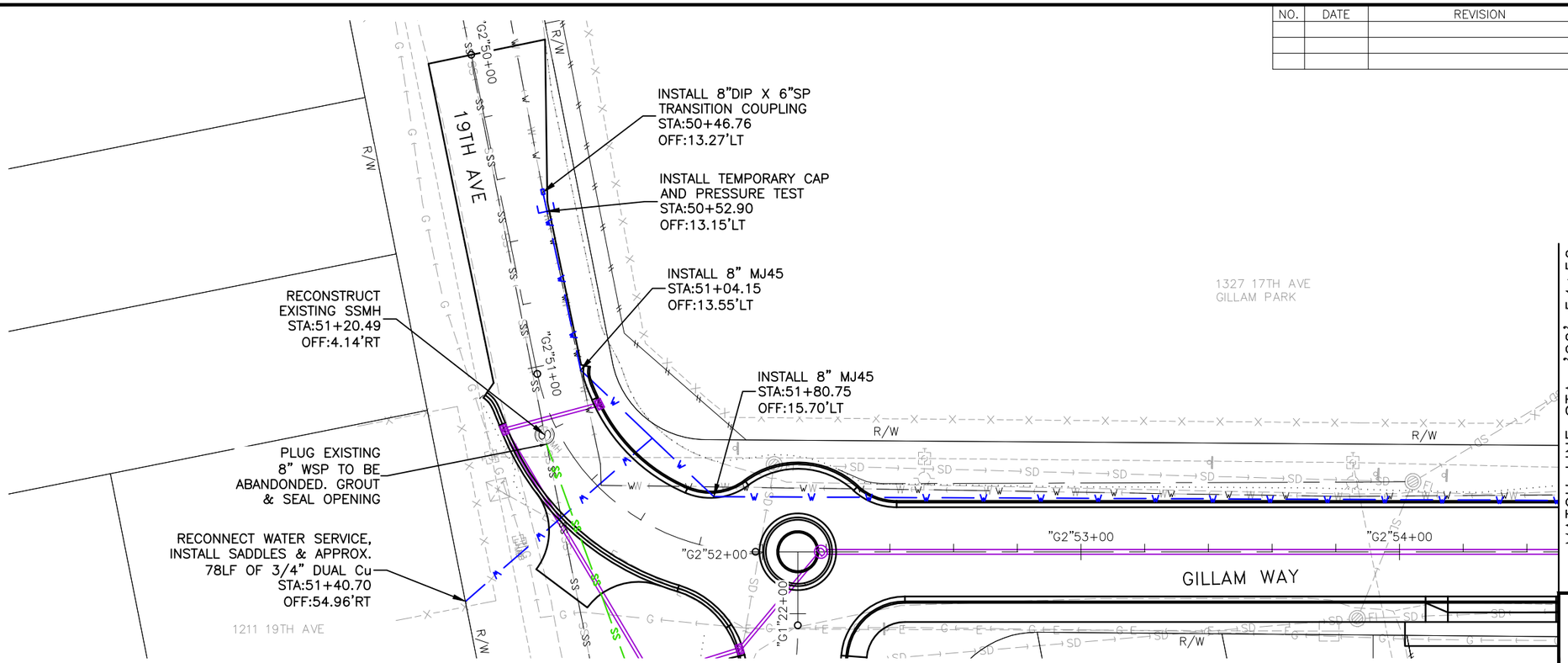
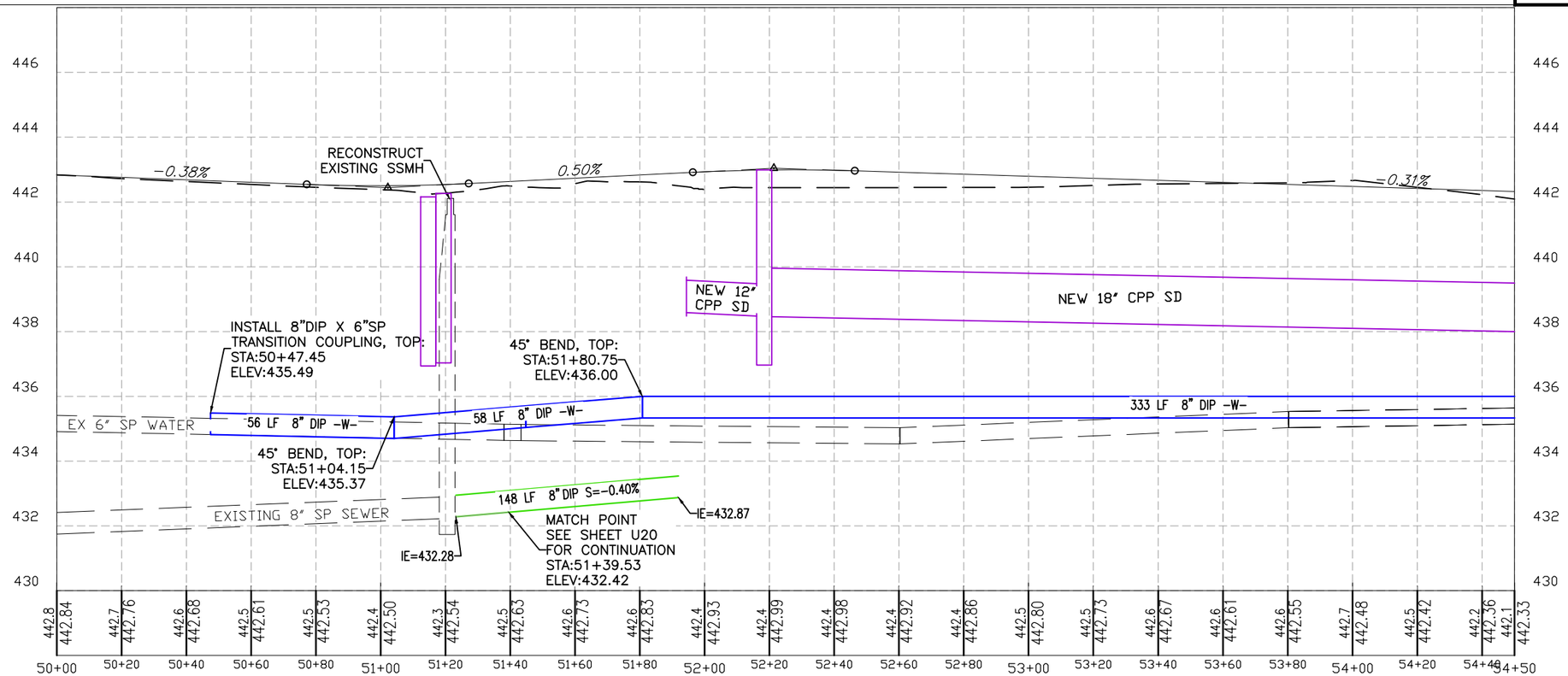
1"=2' VERT.
(FULL SIZE)

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





WATER/SEWER

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
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PLAN NOTES:
① INSTALL AN ADDITIONAL 2" OF INSULATION ON 8" DIP OR WATER SERVICE FOR 14 LF, CENTERED ON PIPE INTERSECTION.

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U22	XX

INSTALL 6"DIP X 6"SP TRANSITION COUPLING STA:54+94.77 OFF:85.10'LT
EXISTING 6" SP WATER
INSTALL TEMP. CAP & PRESSURE TEST STA:54+95.72 OFF:80.90'LT
36 LF 6" DIP -W-
14 LF 6" DIP -W-
INSTALL 6" MJ45 STA:55+13.19 OFF:47.35'LT
INSTALL 6" MJ45 STA:55+01.61 OFF:54.67'LT
22 LF 6" DIP -W-
INSTALL 6" MJ11.25 STA:55+18.02 OFF:25.57'LT
10 LF 6" DIP -W-
INSTALL 10" MJ45 STA:55+67.08 OFF:15.96'LT
INSTALL 10" MJ45 STA:55+76.10 OFF:24.89'LT
INSTALL FH#2
INSTALL 10" MJ45 STA:55+86.10 OFF:24.93'LT
INSTALL 10" MJ45 STA:55+99.94 OFF:12.18'LT
RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 3/4" DUAL Cu STA:57+80.10 OFF:27.20'RT
1630 GILLAM WAY HUNTER ELEMENTARY SCHOOL
INSTALL AUTO SPRK 10"X8" MJ TEE W/ 8" SERVICE GATE VALVE, 4" SADDLE WITH 4" Cu. RECONNECT TO EXISTING 8" DIP W/ LOCKING SLEEVE & FLANGE X FLANGE TO EXISTING Cu STA:60+20.21 OFF:32.71'LT
INSTALL FH#3
INSTALL 10" MJ45 STA:60+42.55 OFF:26.64'LT
INSTALL 10" MJ45 STA:60+27.19 OFF:12.40'LT
INSTALL FLUSHWELL
MATCH LINE 'G2' STA. 54+50
MATCH LINE 'G2' STA. 60+50
"G2"55+00
"G2"56+00
"G2"57+00
"G2"58+00
"G2"59+00
"G2"60+00
GILLAM WAY
R/W
INSTALL 10"X6" MJ TEE WITH 6"X8" REDUCER, 6" MJ VALVE, AND 6" MJ SLEEVE STA:55+18.08 OFF:15.86'LT
INSTALL 10"X8" MJ TEE WITH 8" MJ VALVE AND 8" MJ SLEEVE STA:55+36.59 OFF:15.79'LT
55 LF 8" DIP -W-
55 LF 8" DIP -W-
17TH AVE
INSTALL 8" MJ45 STA:55+35.98 OFF:29.50'RT
INSTALL 8" MJ45 STA:55+58.17 OFF:51.59'RT
INSTALL TEMP. CAP & PRESSURE TEST STA:55+63.64 OFF:79.13'RT
INSTALL 8"DIP X 8" SP TRANSITION COUPLING STA:55+65.18 OFF:86.90'RT
23 LF 8" DIP -W-
928 17TH AVE
RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 3/4" DUAL Cu STA:57+14.18 OFF:27.29'RT
RECONNECT WATER SERVICE, INSTALL SADDLES AND APPROX. 41LF OF 1" DUAL Cu STA:59+09.27 OFF:27.15'RT
RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 3/4" DUAL Cu STA:59+52.12 OFF:27.06'RT
RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 3/4" DUAL Cu STA:60+27.21 OFF:27.10'RT
1701 GILLAM WAY
1641 GILLAM WAY
1637 GILLAM WAY
1635 GILLAM WAY
1615 GILLAM WAY
1613 GILLAM WAY

WATER/SEWER

STATE OF ALASKA 49TH
R.E. ROBERT H. PRITASH CIVIL ENGINEER No. 9878 REG. PROFESSIONAL ENGINEER

448

INSTALL FH#2 ASSEMBLY AND 10" MJ GATE VALVE STA: 55+81.10 OFF: 24.94'LT FLANGE: 442.353
INSTALL FLUSHWELL STA: 59+68.99 OFF: 10.60'RT LID: 442.694
INSTALL FH#3 ASSEMBLY AND 10" MJ GATE VALVE STA: 60+47.57 OFF: 26.69'LT FLANGE: 443.660
0.31%
45° BEND, TOP: STA:55+76.10 ELEV:436.33
45° BEND, TOP: STA:55+86.10 ELEV:436.33
NEW 18" CPP SD
10 LF 10" DIP -W-
45° BEND, TOP: STA:60+42.55 ELEV:436.33
45° BEND TOP: STA:60+27.19 ELEV:436.16
13 LF 10" DIP -W-
19 LF 10" DIP -W-
333 LF 8" DIP -W-
50 LF 10" DIP -W-
427 LF 10" DIP -W-
FX W 8" STEEL PIPE
10"X6" MJ TEE WITH 10"X8" REDUCER STA:55+18.08 ELEV:436.00
45° BEND, TOP: STA:55+67.08 ELEV:436.16
45° BEND, TOP: STA:55+99.94 ELEV:436.16
10 LF 10" DIP -W-
21 LF 10" DIP -W-
163 LF 8"DIP S=0.40%
45° BEND, INVERT: STA:59+76.81 ELEV:433.76

448 446 444 442 440 438 436 434 432

442.1 442.33 | 442.0 442.29 | 441.7 442.23 | 441.7 442.17 | 441.9 442.11 | 442.1 442.04 | 441.8 441.98 | 441.8 441.92 | 441.8 441.87 | 441.9 441.87 | 441.9 441.92 | 442.0 441.98 | 442.0 442.04 | 442.1 442.10 | 442.2 442.17 | 442.2 442.23 | 442.3 442.29 | 442.3 442.35 | 442.4 442.41 | 442.4 442.48 | 442.6 442.54 | 442.7 442.60 | 442.8 442.66 | 442.8 442.72 | 442.9 442.79 | 442.9 442.85 | 442.9 442.91 | 442.9 442.97 | 443.0 443.03 | 443.1 443.09 | 443.2 443.16 | 443.2 443.19

54+50 54+60 54+80 55+00 55+20 55+40 55+60 55+80 56+00 56+20 56+40 56+60 56+80 57+00 57+20 57+40 57+60 57+80 58+00 58+20 58+40 58+60 58+80 59+00 59+20 59+40 59+60 59+80 60+00 60+20 60+40 60+50

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U23	XX

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

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

INSTALL 10" MJ45 STA:60+52.58 OFF:26.68'LT

INSTALL 10" MJ45 STA:60+66.07 OFF:13.60'LT

16TH AVE

1630 GILLAM WAY

1550 GILLAM WAY

1516 GILLAM WAY APARTMENT COMPLEX

RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 20LF OF 3/4" DUAL Cu STA:62+18.84 OFF:32.90'LT

RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 3/4" DUAL Cu STA:63+65.56 OFF:27.12'RT

INSTALL AUTO SPRK 10"X8" TEE W/ 8" SERVICE GATE VALVE, 2" SADDLES W/ 2" Cu. RECONNECT TO EXISTING 8" DIP W/ LOCKING SLEEVE & FLANGE X FLANGE TO EXISTING Cu STA:63+86.99 OFF:32.84'LT

INSTALL 10" MJ45 STA:65+42.19 OFF:12.15'LT

INSTALL 10" MJ45 STA:65+26.83 OFF:27.04'LT

INSTALL FH#4

INSTALL 10" MJ45 STA:65+16.83 OFF:26.88'LT

INSTALL 10" MJ45 STA:65+01.97 OFF:12.23'LT

MATCH LINE STA. 'G2' 60+50

MATCH LINE 'G2' STA. 65+50

GILLAM WAY

"G2"61+00 "G2"62+00 "G2"63+00 "G2"64+00 "G2"65+00

R/W

1607 GILLAM WAY

1601 GILLAM WAY

ABANDON & FILL EXISTING SSMH IN PLACE BELOW PAVEMENT STRUCTURE

INSTALL SSMH-02

1553 GILLAM WAY CONDO COMPLEX

ABANDON EXISTING 8" WSP IN PLACE, FILL WITH SLURRY

RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 1" DUAL Cu STA:61+93.83 OFF:27.08'RT

RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 1" DUAL Cu STA:63+06.27 OFF:27.14'RT

1553 GILLAM WAY CONDO COMPLEX

1531 GILLAM WAY

ABANDON & FILL EXISTING SSMH IN PLACE BELOW PAVEMENT STRUCTURE

INSTALL SSMH-03

1523 GILLAM WAY

RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 41LF OF 3/4" DUAL Cu STA:64+63.46 OFF:27.22'RT

1517 GILLAM WAY

RECONNECT WATER SERVICE, INSTALL SADDLES & APPROX. 50LF OF 3/4" DUAL Cu STA:65+13.74 OFF:27.13'RT

1513 GILLAM WAY

PLAN NOTES:
1. INSTALL AN ADDITIONAL 2" OF INSULATION ON 8" DIP OR WATER SERVICE FOR 14 LF, CENTERED ON PIPE INTERSECTION.

STATE OF ALASKA 49TH ROBERT M. PRISTASH CIVIL ENGINEER No. 9878 REGISTERED PROFESSIONAL ENGINEER

WATER/SEWER

INSTALL FH#4 ASSEMBLY AND 10" MJ GATE VALVE STA: 65+21.83 OFF: 26.99'LT FLANGE: 442.520

INSTALL 48" TYPE I SSMH-02 STA: 61+39.44 OFF: 9.60'RT LID: 443.241

ABANDON EXISTING SSMH

INSTALL 48" TYPE I SSMH-03 STA: 364+07.50 OFF: 9.80'RT LID: 441.710

ABANDON EXISTING SSMH

-0.70% 0.30% -0.30%

45° BEND, TOP: STA:60+66.07 ELEV:436.16

45° BEND, TOP: STA:60+52.58 ELEV:436.33

NEW 12" CPP SD

45° BEND, TOP: STA:63+91.62 ELEV:436.16

45° BEND, TOP: STA:64+01.54 ELEV:436.16

45° BEND, TOP: STA:65+16.83 ELEV:436.33

10 LF 10" DIP -W-

45° BEND, TOP: STA:63+76.75 ELEV:436.16

45° BEND, TOP: STA:64+16.45 ELEV:436.16

21 LF 10" DIP -W-

45° BEND, TOP: STA:65+01.97 ELEV:436.16

311 LF 10" DIP -W-

86 LF 10" DIP -W-

19 LF 10" DIP -W-

EX W 8" STEEL PIPE

21 LF 10" DIP -W-

10 LF 10" DIP -W-

21 LF 10" DIP -W-

45° BEND, TOP: STA:65+26.83 ELEV:436.33

163 LF 8" DIP S=0.40%

268 LF 8" DIP S=0.38%

290 LF 8" DIP S=0.41%

IE=433.12 IE=433.05 IE=432.05 IE=431.98

21 LF 10" DIP -W-

45° BEND, TOP: STA:65+42.19 ELEV:436.16

PROFILE NOTES:
1. EXISTING 8" WSP SEWER NOT SHOWN IN PROFILE FOR CLARITY. NEW SEWER IS AT SAME ELEVATION AND GRADE OF EXISTING SEWER.

446 444 442 440 438 436 434 432 430

443.2 443.19 443.2 443.22 443.2 443.28 443.2 443.34 443.3 443.40 443.5 443.47 443.4 443.51 443.3 443.48 443.3 443.37 443.1 443.23 443.0 443.08 442.9 442.94 442.8 442.80 442.8 442.66 442.7 442.52 442.7 442.38 442.7 442.24 442.6 442.11 442.6 442.04 442.6 442.05 442.5 442.11 442.5 442.17 442.5 442.20 442.4 442.18 442.4 442.13 442.4 442.07 442.3 442.04

60+50 60+60 60+80 61+00 61+20 61+40 61+60 61+80 62+00 62+20 62+40 62+60 62+80 63+00 63+20 63+40 63+60 63+80 64+00 64+20 64+40 64+60 64+80 65+00 65+20 65+40 65+50

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5311 Gillam Way\Civil3D Drawing Files\L3Production\Plan-Prof_MAT-SEW-U23 Plan-Prof_Mat-Sew Fri, Nov/16/18 03:21pm

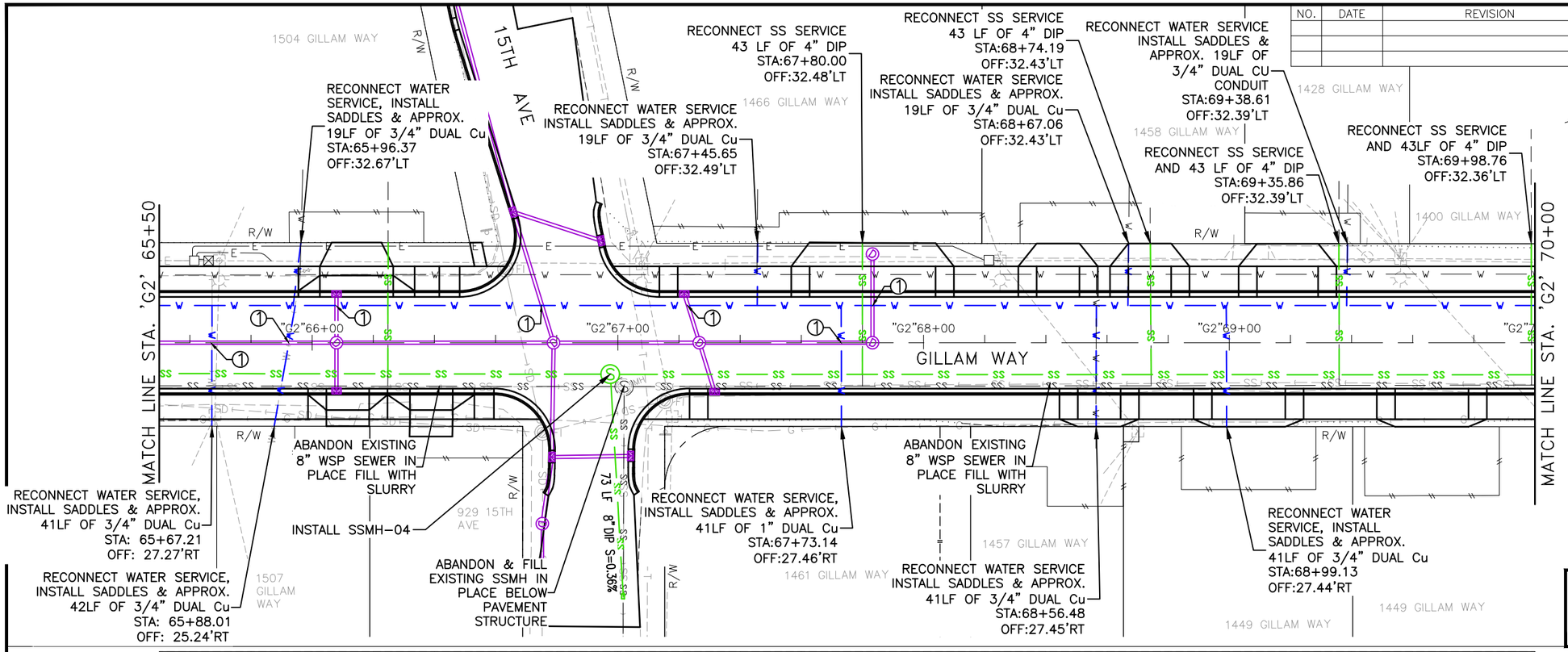
NO.	DATE	REVISION

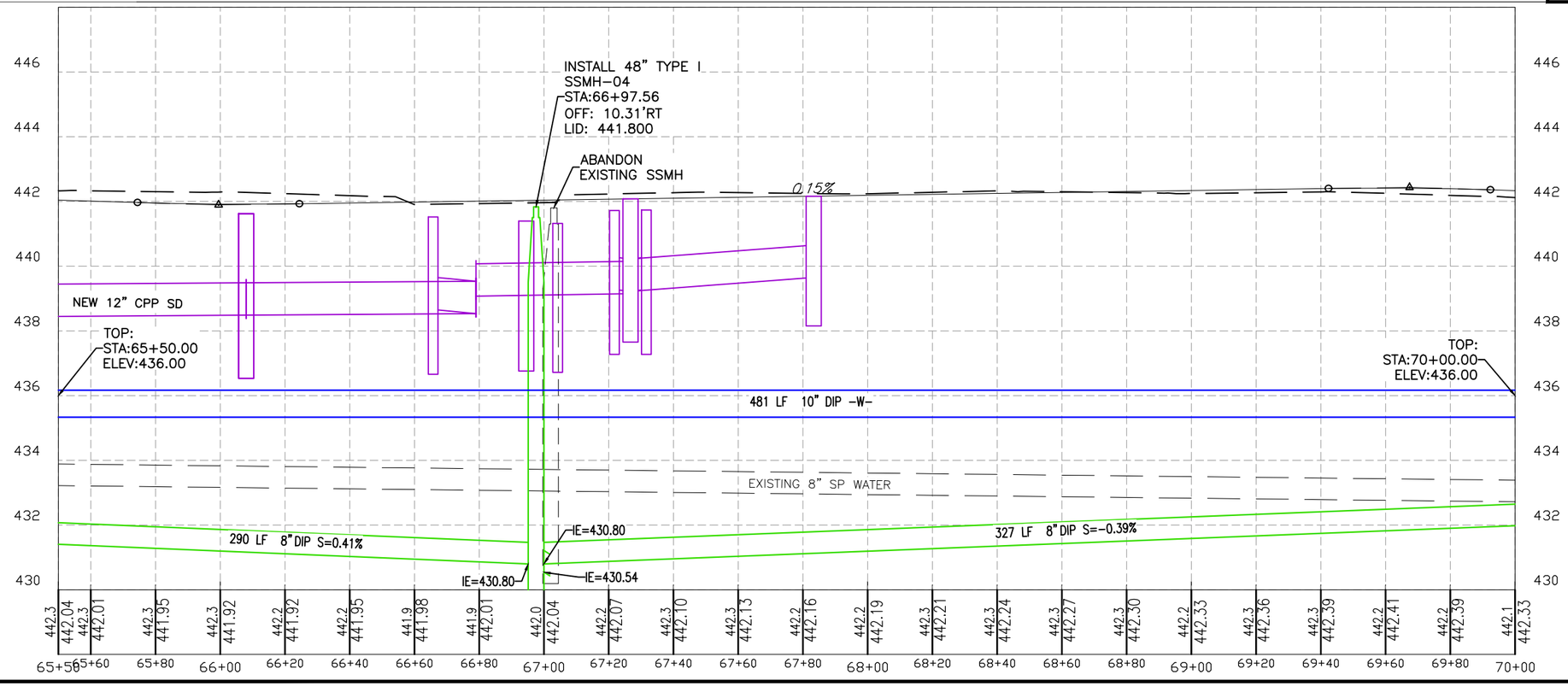
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U24	XX

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

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

PLAN NOTES:
① INSTALL AN ADDITIONAL 2" OF INSULATION ON 8" DIP OR WATER SERVICE FOR 14 LF, CENTERED ON PIPE INTERSECTION.





PROFILE NOTE:
1. EXISTING 8" WSP SEWER NOT SHOWN IN PROFILE FOR CLARITY. NEW SEWER IS AT SAME ELEVATION AND GRADE OF EXISTING SEWER.

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER

WATER/SEWER

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5311 Gillam Way\Civil3D Drawing Files\L3Production\Plan-Prof_MAT-SEW-U24 Plan-Prof_Mat-Sew Fri, Nov/16/18 03:22pm

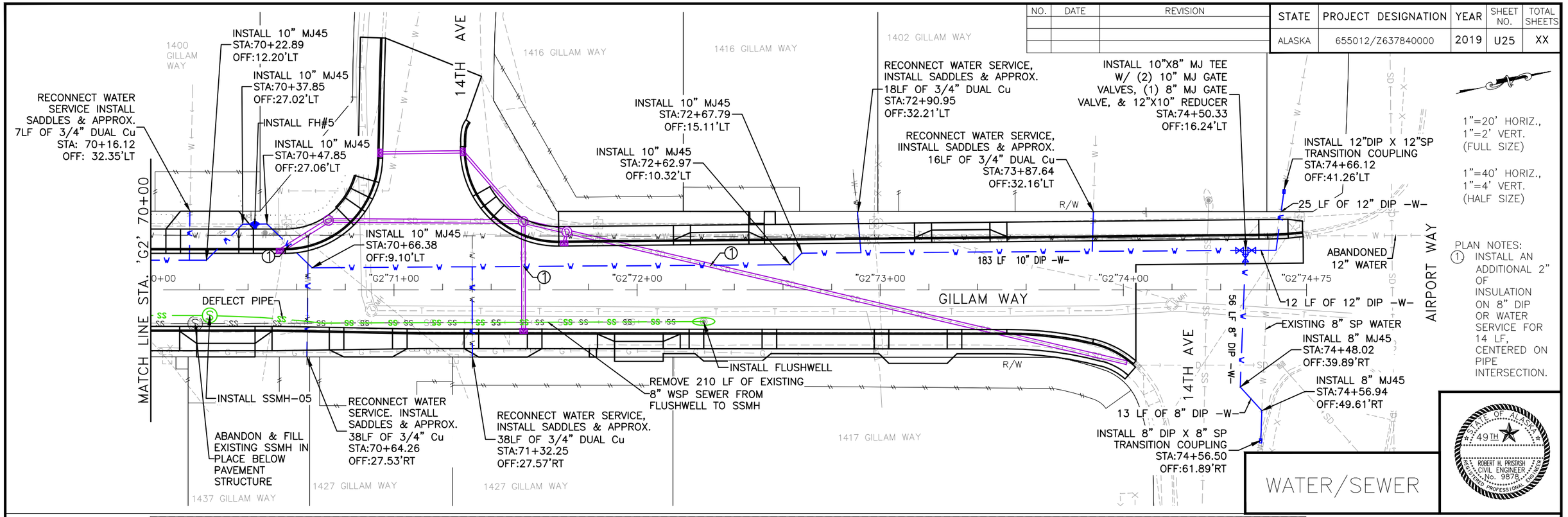
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U25	XX

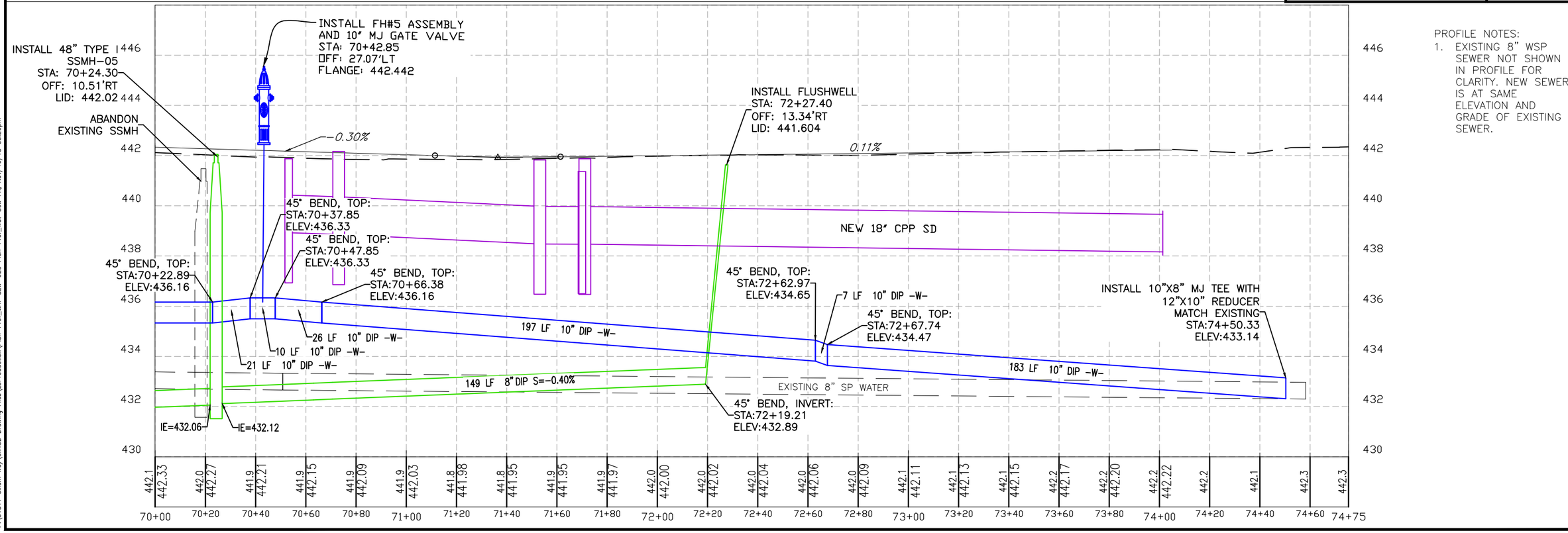
1"=20' HORIZ.,
1"=2' VERT.
(FULL SIZE)

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

PLAN NOTES:
1. INSTALL AN ADDITIONAL 2" OF INSULATION ON 8" DIP OR WATER SERVICE FOR 14 LF, CENTERED ON PIPE INTERSECTION.



WATER/SEWER



PROFILE NOTES:
1. EXISTING 8" WSP SEWER NOT SHOWN IN PROFILE FOR CLARITY. NEW SEWER IS AT SAME ELEVATION AND GRADE OF EXISTING SEWER.

STATE OF ALASKA 49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9578
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\51311 Gillam Way\Civil3D Drawing Files\L3Production\Plan-Prof_WAT-SEW-U25 Plan-Prof_Wat-Sew Fri, Nov/16/18 03:26pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U26	XX

WATER / SEWER NOTES

1. GRADES, ALIGNMENTS, APPROACH LOCATIONS, LENGTHS AND LOCATIONS OF STORMDRAINS AND UTILITIES AND INSULATION 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 626 AND 627 PAY ITEMS.
3. STRUCTURAL EXCAVATION, PIPE BEDDING, AND BACKFILL ARE SUBSIDIARY TO THE ITEMS INSTALLED.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN STAGING AREA.
5. GET ENGINEER'S APPROVAL PRIOR TO ANY WORK OUTSIDE OF THE DESIGNATED PROJECT LIMITS, EASEMENT, OR RIGHT OF WAY.
6. PRESERVE / PROTECT OR REPLACE EXISTING LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES TO ORIGINAL / EXISTING CONDITIONS. PAYMENT IS SUBSIDIARY TO PAY ITEM 202(1).
7. NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE PROJECT CORRIDOR. THE CONTRACTOR SHALL CONTACT UTILITY OWNERS AND GET LOCATES PRIOR TO ANY EXCAVATION.
8. VERIFY LOCATION AND ELEVATION OF NEARBY UNDERGROUND WATER, SEWER, STORM DRAIN, GAS OR CABLES (BOTH MAINS AND SERVICES), AND REPORT TO ENGINEER BEFORE STARTING WORK THAT WILL CROSS THESE UTILITIES. WORK SUBSIDIARY TO RESPECTIVE 626 AND 627 PAY ITEMS.
9. WORK IS REQUIRED UNDER EXISTING OVERHEAD CABLES. PROTECT EQUIPMENT AND PERSONNEL AS REQUIRED SUBSIDIARY TO THOSE WORK ITEMS.
10. COMPLY WITH THE LATEST EDITION OF GOLDEN HEART UTILITIES (GHU) "STANDARDS OF CONSTRUCTION" AND "SERVICE LINE STANDARDS".
11. VERIFY ELEVATION OF WATER/ SEWER CONNECTION POINTS AND REPORT THESE SURVEY ELEVATIONS TO THE ENGINEER SO CHANGES CAN BE MADE IN THE GRADES AS REQUIRED TO MATCH EXISTING IMPROVEMENTS. PAYMENT SUBSIDIARY TO 642(1).
12. APPLY 2 INCHES OF ADDITIONAL INSULATION TO WATER MAIN OR WATER SERVICE FOR A DISTANCE OF 7 LF EACH SIDE OF ANY STORM DRAIN OR SANITARY SEWER CROSSING AS SHOWN ON PLANS OR DIRECTED BY ENGINEER IN THE FIELD. PAY SUBSIDIARY TO RESPECTIVE 627 PAY ITEMS.
13. APPLY 2 INCHES OF ADDITIONAL INSULATION TO WATER MAIN OR WATER SERVICE WHERE IT IS WITHIN 7 LF HORIZONTALLY OF STORM DRAIN OR SANITARY SEWER MAIN AS DIRECTED BY ENGINEER IN THE FIELD. PAY SUBSIDIARY TO RESPECTIVE 627 PAY ITEMS.
14. ALL ACCESS FRAMES & COVERS / LIDS IN ASPHALT SHALL BE INSTALLED TO GRADE BEFORE ASPHALT IS INSTALLED. NO CUTTING OUT ASPHALT SHALL BE ALLOWED WITHOUT APPROVAL OF THE ENGINEER.
15. FIELD STAKE ALL SANITARY SEWER AND WATER LOCATIONS FOR APPROVAL BY ENGINEER PRIOR TO INSTALLATION. WORK SUBSIDIARY TO RESPECTIVE 626 AND 627 PAY ITEMS.
16. LOCATE ALL WATER SERVICES USING CONTRACTOR PROVIDED MAGNETIC LOCATOR, OTHER DEVICE DESIGNED FOR WATER SERVICE LOCATES, OR ANY MEANS NECESSARY TO FIND THE SERVICES, PAYMENT SUBSIDIARY TO WATER OR SPRINKLER SERVICES.
17. EXPOSE SERVICE SADDLES ON THE EXISTING WATER AND SEWER MAINS AND VERIFY THEY ARE ACTIVE. REPORT TO ENGINEER BEFORE RECONNECTING NEW SEWER SERVICE. GHU WILL NOT LOCATE WATER OR SEWER SERVICES. ALL COSTS ASSOCIATED WITH FINDING WATER OR SEWER SERVICES WITHIN 10 FEET LEFT OR RIGHT HORIZONTALLY FROM THE LOCATION SHOWN ON THE PLANS OR STAKED BY THE ENGINEER ARE SUBSIDIARY TO WATER SERVICE CONNECTION OR SEWER SERVICE CONNECTION, RESPECTIVELY.
18. MAINTAIN EXISTING UTILITY CUSTOMER SERVICE EXCEPT MAXIMUM 4 HOUR OUTAGE FOR NEW MAIN OR SERVICE RECONNECTIONS. 48 HOUR ADVANCE PUBLIC NOTICE IS REQUIRED.

WATER / SEWER NOTES (CONT.)

19. EXISTING TELECOMMUNICATION CABLES SHOWN ON THE PLAN SHEETS MAY INCLUDE ACS, GCI, OR MTAC UTILITIES.
20. ABANDON EXISTING SANITARY SEWER AND WATER CONDUIT IN PLACE, EXCEPT WHERE CONFLICTS ARISE AS A RESULT OF NEW CONSTRUCTION. WHERE CONFLICTS EXIST, REMOVE EXISTING WATER OR SANITARY SEWER CONDUIT. PLUG ALL ENDS OF ABANDONED PIPE NOT REMOVED WITH 12 INCHES OF SPRAYED URETHANE FOAM OR 4 INCHES OF CONCRETE OR FILL WITH SLURRY AS SHOWN IN PLANS. PAYMENT IS SUBSIDIARY TO PAY ITEM 202(1).
21. RESTRAIN ALL MECHANICAL JOINT BENDS AND PUSH ON JOINTS FROM BENDS OR FITTINGS TO TRANSITION COUPLINGS OR WITHIN 45 FEET OF A BEND. RESTRAIN ALL PUSH ON JOINTS SHOWN TO BE DEFLECTED IN THE PLANS. RESTRAIN ALL VALVES OR REDUCERS WITH MEG-A-LUGS OR APPROVED EQUAL. USE MJ ADAPTERS INSTEAD OF SHORT RESTRAINED PUPS.
22. INSTALL ALL SERVICE VALVES AND SADDLES BEFORE MAINLINE TESTING.
23. INSTALL DUAL COPPER TUBING FOR ALL WATER SERVICE RECONNECTIONS WITH SIZE AS INDICATED ON PLANS AND PIPING LENGTH TO 4' BEYOND PROPERTY LINE. ADAPT TO EXISTING SIZE AS NEEDED.
24. INSTALL 6" DIP WITH 1" COPPER TUBING OR AS OTHERWISE NOTED ON PLANS FOR ALL NEW SPRINKLER LINE RECONNECTIONS AND PIPING LENGTH TO 4' BEYOND PROPERTY LINE. ADAPT TO EXISTING SIZE AS NEEDED.
25. INSTALL 4" PIPE SIZE OR AS OTHERWISE NOTED ON PLANS FOR ALL SEWER SERVICE RECONNECTIONS AND PIPING LENGTH TO 4' BEYOND PROPERTY LINE. ADAPT TO EXISTING SIZE AS NEEDED.
26. SEWER SERVICE RECONNECTIONS MAY REQUIRE GRADE CHANGES TO AVOID CONFLICT WITH WATER MAINS OR STORM DRAIN. PAYMENT FOR THIS WORK IS SUBSIDIARY TO SEWER SERVICE CONNECTIONS.
27. INSTALL ALL SEWER SERVICE SADDLES ON MAIN WITH RISER CAPPED BEFORE AIR TESTING. VIDEO INSPECT MAIN AFTER BACKFILLING A MINIMUM OF 3' ABOVE T.O.P.
28. SCHEDULE ALL UTILITY OUTAGES TO TAKE PLACE DURING NON BUSINESS HOURS. ALL COSTS TO PROVIDE AND INSTALL TEMPORARY MEASURES ON EXISTING UTILITIES ARE SUBSIDIARY TO THE UTILITY PAY ITEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES THAT RESULT FROM OUTAGES BEYOND THE PRESCRIBED PERIOD.
29. PAYMENT FOR ALL SHORING, BRACING, TRENCH BOXES, ETC. TO PROTECT BUILDINGS, TRAFFIC, AND PERSONS SHALL BE SUBSIDIARY TO THE STRUCTURE BEING INSTALLED.
30. SALVAGE SEWER MANHOLE & FLUSHWELL CASTINGS. COORDINATE PICK-UP BY GHU.
31. PROTECT OR REMOVE AND REPLACE IN SAME LOCATION OR TO THE SIDE OF THE ROADWAY, EXISTING MARKER POSTS FOR GAS, BURIED CABLE, WATER, SEWER, OR STORM DRAIN, SUBSIDIARY TO OTHER ITEMS OF WORK.
32. FINAL ADJUSTMENT OF MANHOLE FRAMES AND COVERS, VALVE BOXES AND FLUSHWELLS TO FINISH GRADE IS SUBSIDIARY TO RESPECTIVE PAY ITEMS 604, 626, AND 627.
33. THE NATURAL GROUND WATER TABLE VARIES SEASONALLY WITH HIGHER STAGE LEVELS OF THE CHENA AND/OR TANANA RIVERS. APPLY WATERPROOF PROTECTIVE COATING OVER SANITARY SEWER MANHOLES AND PIPING WHERE INDICATED BY ENGINEER. PAY IS SUBSIDIARY TO RESPECTIVE PAY ITEMS.
34. USE MECHANICAL JOINT ADAPTERS FOR ALL FITTING / VALVE ASSEMBLIES.
35. TEST FIRE SPRINKLER SERVICES TO 200 PSI.

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5311 Gilson Way\Civil3D Drawing Files\L3Production\Plan-Prof_WAT-SEW-U26 Water-Sewer Notes Fri, Nov/16/18 03:27pm

WATER/SEWER

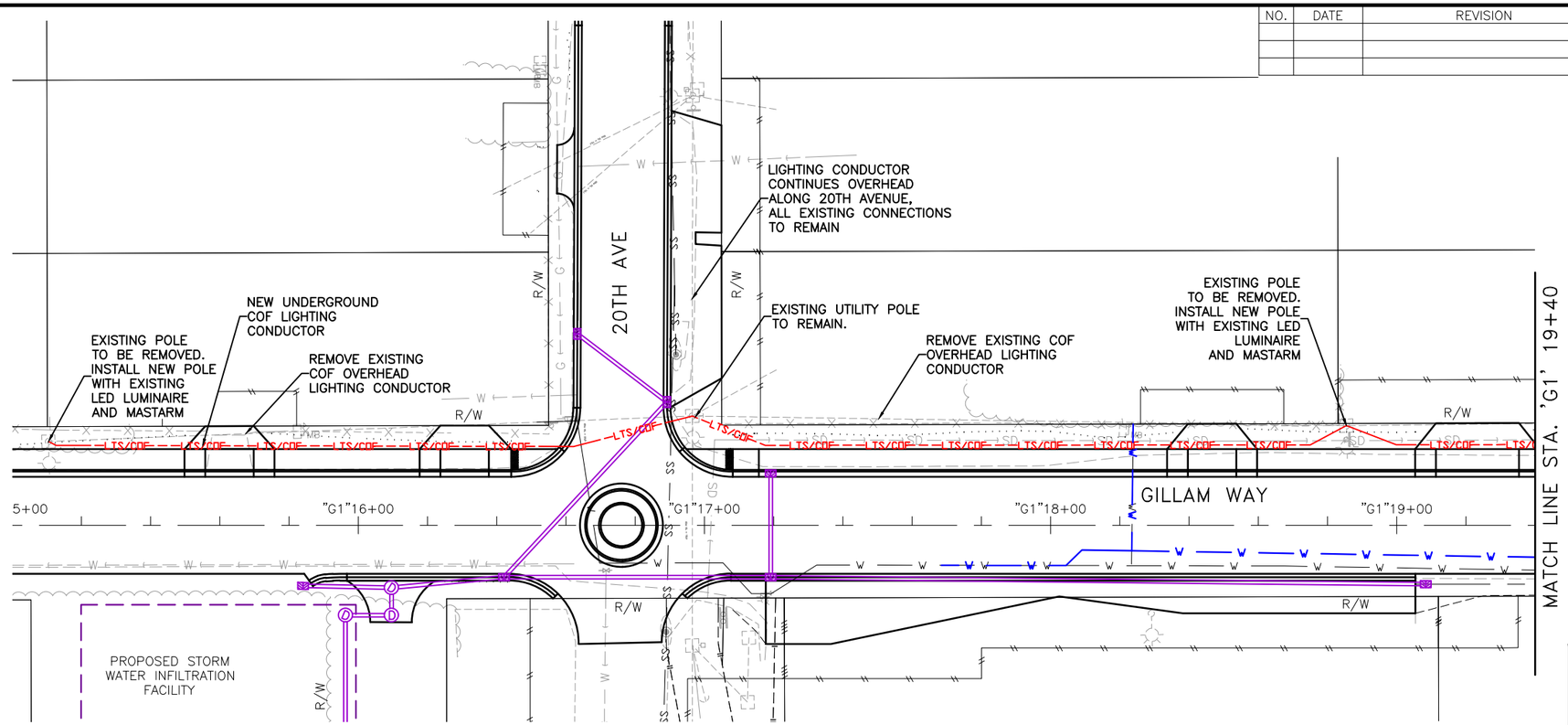
STATE OF ALASKA 49TH
R.L. ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER

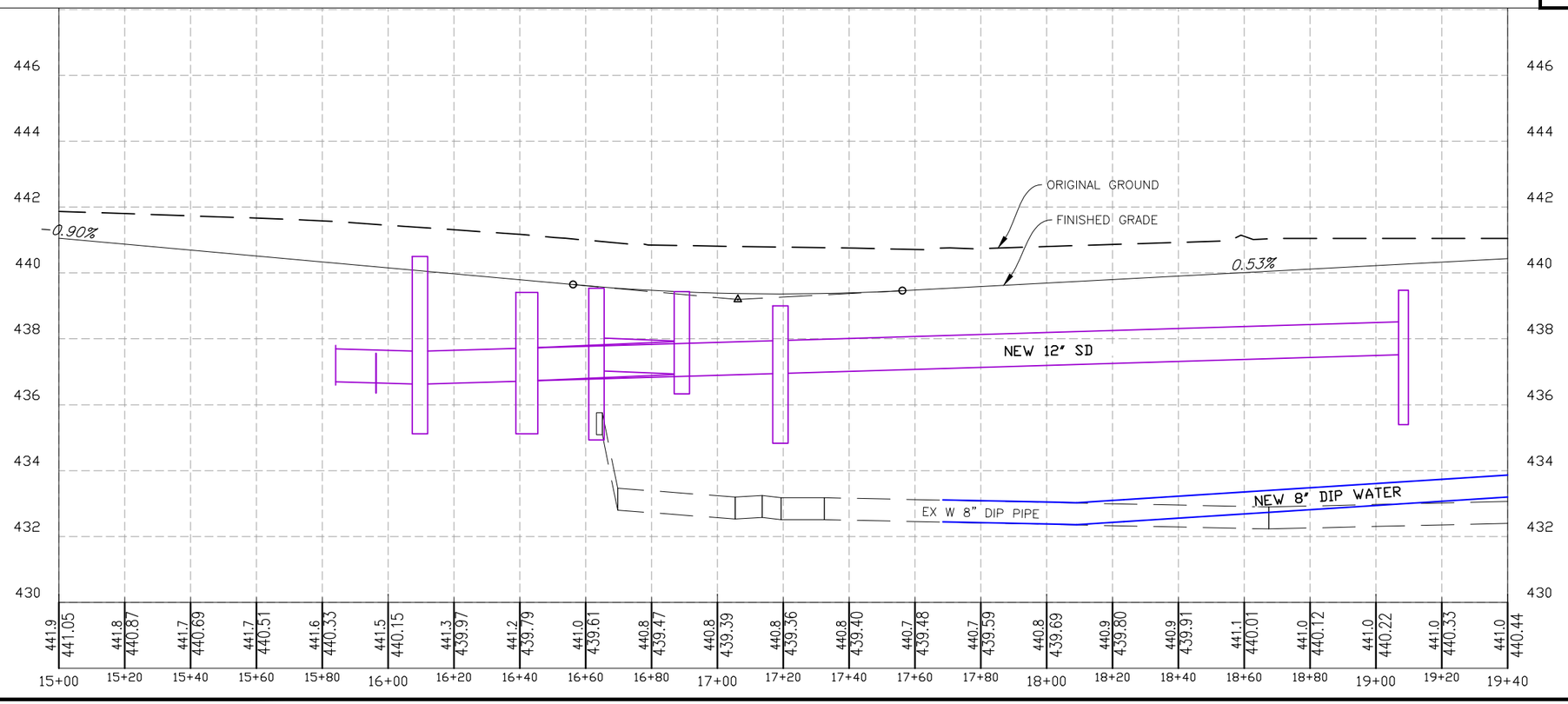
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U27	XX

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

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





STREET LIGHT CIRCUIT

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER

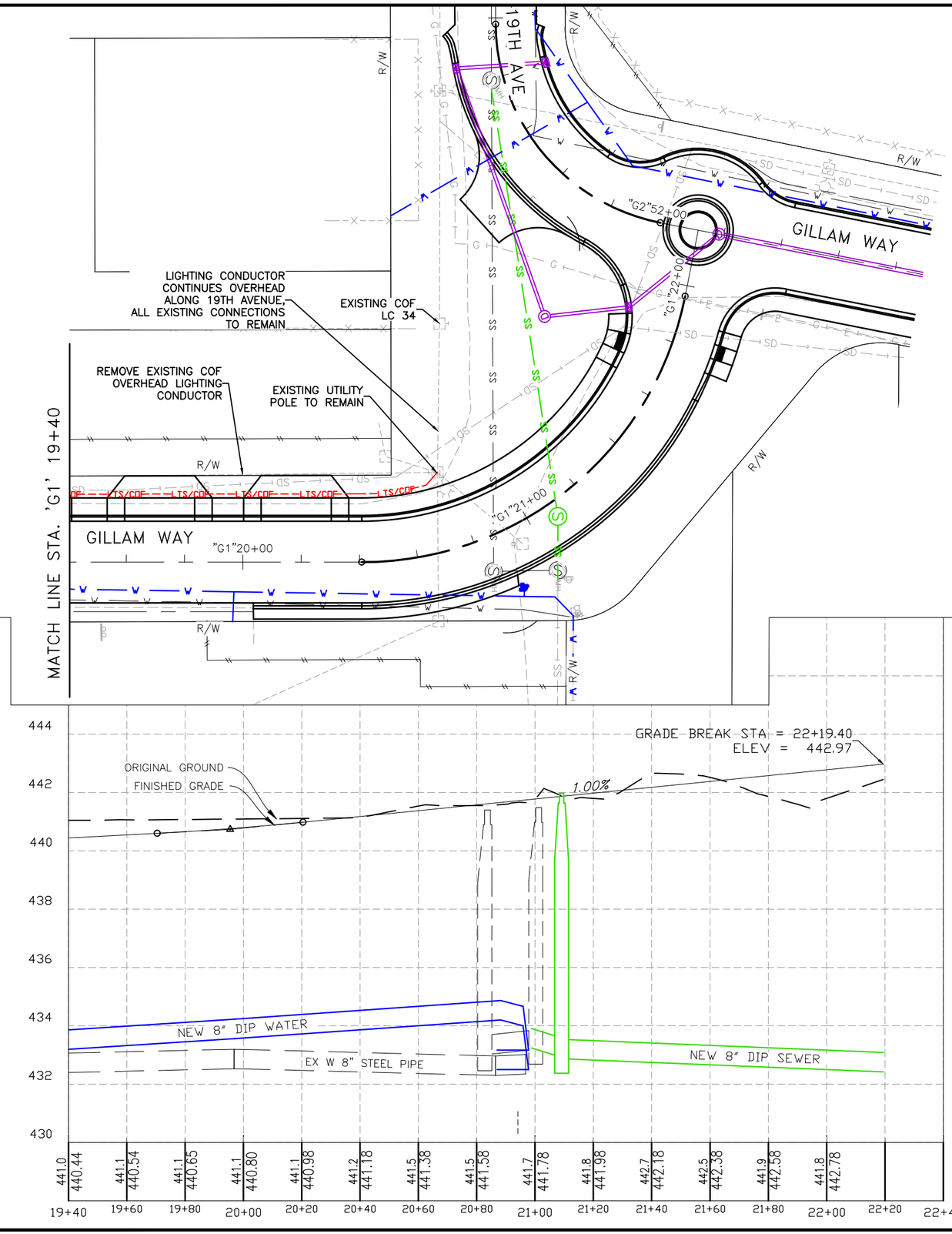
PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5311 Gillam Way\Civil3D Drawing Files\L3Production\Plan-Prof_Street-Light-U27 Plan-Prof_Street-Light Fri, Nov/16/18 03:28pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U28	XX

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

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

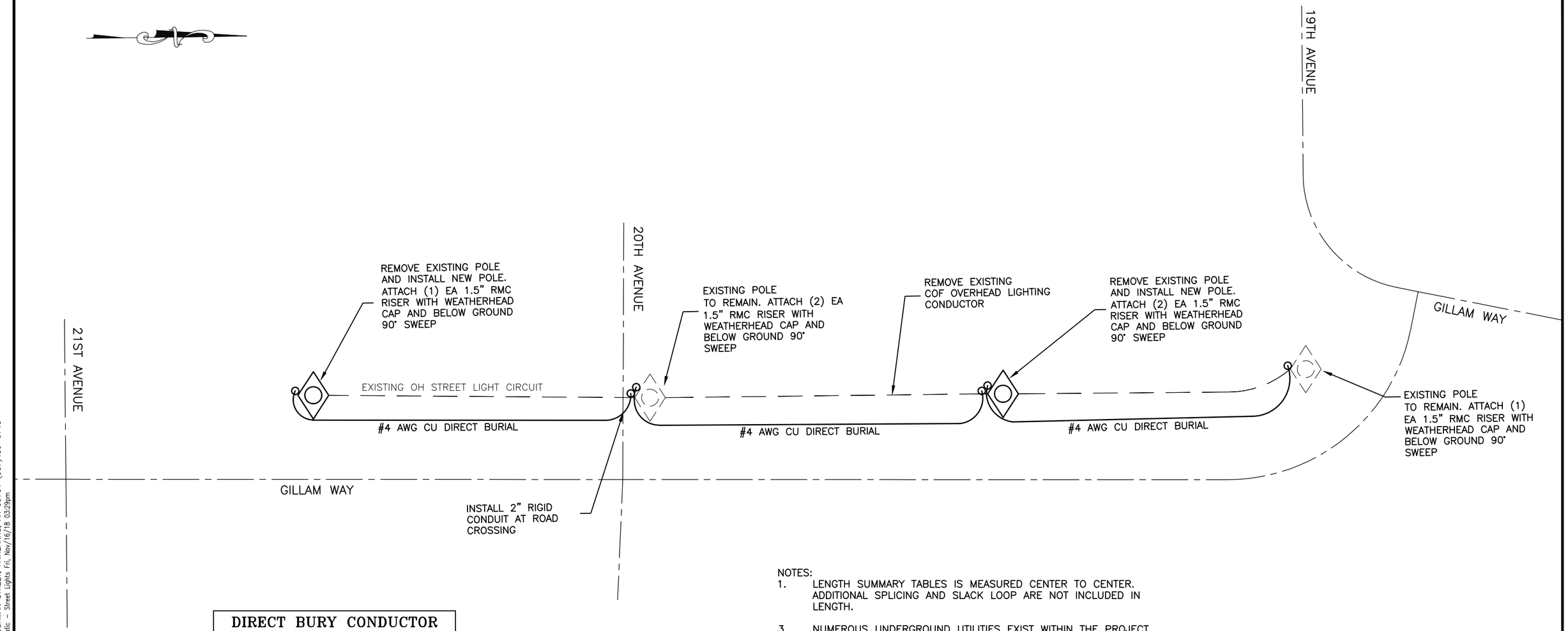


STREET LIGHT CIRCUIT

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\1311 Gillam Way\Civil3D Drawing Files\L3Production\Plan-Prof_Street-Light-U28 Plan-Prof_Street-Light Fri, Nov/16/18 03:28pm

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	655012/Z637840000	2019	U29	XX



DIRECT BURY CONDUCTOR LENGTH SUMMARY	
CONDUCTOR SIZE	TOTAL LENGTH
#4 AWG	580 LF

DIRECT BURY CONDUIT LENGTH SUMMARY	
CONDUIT SIZE	TOTAL LENGTH
2"	30 LF

NOTES:
1. LENGTH SUMMARY TABLES IS MEASURED CENTER TO CENTER. ADDITIONAL SPLICING AND SLACK LOOP ARE NOT INCLUDED IN LENGTH.
3. NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE PROJECT CORRIDOR. THE CONTRACTOR SHALL CONTACT UTILITY OWNERS AND GET LOCATES PRIOR TO ANY EXCAVATION. PAYMENT SUBSIDIARY TO ASSOCIATED PAY ITEMS.
4. INSTALL DIRECT BURY CONDUITS A MINIMUM DEPTH IN STREET PRISM OF 36 INCHES AND A MINIMUM DEPTH OUTSIDE OF STREET PRISM OF 24 INCHES.
5. RMC RISERS TO BE INSTALLED ON OPPOSITE SIDE OF POLE, AWAY FROM DIRECTION OF TRAVEL.
6. INSTALL UNDERGROUND LIGHTING CIRCUIT AT THE BACK OF SIDEWALK.

STREET LIGHT CIRCUIT

STATE OF ALASKA 49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: CITY OF FAIRBANKS, ENGINEERING DEPARTMENT, 800 CUSHMAN STREET, FAIRBANKS, AK 99701 (907)459-6740
P:\5311 Gillam Way\Civil3D Drawing Files\L3Production\SystemSchem-Street-Light-U29 Schematic - Street Lights Fri, Nov/16/18 03:29pm