

City and Borough of Wrangell, Alaska

WRANGELL PLANNING AND ZONING COMMISSION

June 14, 2018

7:00pm

Agenda

A. CALL TO ORDER/ROLL CALL

B. AMENDMENTS TO THE AGENDA

C. APPROVAL OF MINUTES: May 10, 2018

D. PERSONS TO BE HEARD

E. CORRESPONDENCE

1. Email dated June 7, 2018 from Kevin Young regarding a notification by staff of a complaint to parking and safety at Case Avenue duplex under construction.
2. Letter dated June 7, 2018 from Haig and Bonnie Demerjian regarding industrial noises adjacent to their residential property.

F. OLD BUSINESS

G. NEW BUSINESS

1. Preliminary Plat review of TLO Ketchikan MC-1 Subdivision, a subdivision of Lot 40 J, ASLS 85-93, creating Tracts A and B, zoned RMU-M, requested by the owner Mental Health Trust Authority as part of the proposed land trade with the US Forest Service.
2. Review and Concurrence with the State of Alaska Bennet Street Project.

H. PUBLIC COMMENT

I. COMMISSIONERS' REPORTS AND ANNOUNCEMENTS

J. ADJOURNMENT

City and Borough of Wrangell, Alaska

WRANGELL PLANNING AND ZONING COMMISSION

May 10, 2018
7:00pm

Agenda

A. CALL TO ORDER/ROLL CALL: Vice Chair Don McConachie called the meeting to order at 7:00 pm. Commissioners Duke Mitchell and Charles Haubrich were present. Commissioners Terri Henson and Apryl Hutchinson were absent. Also present were staff Carol Rushmore and Aleisha Mollen.

B. AMENDMENTS TO THE AGENDA: None

C. APPROVAL OF MINUTES: April 12, 2018

M/S: Mitchell/Haubrich moved to approve the minutes as presented. Motion approved unanimously by polled vote.

D. PERSONS TO BE HEARD: None

E. CORRESPONDENCE: A letter and photograph was received from Nedra Shoultz in regards to Agenda Item G2 and read into the record. Letter is attached.

F. OLD BUSINESS: None

G. NEW BUSINESS

1. Final Plat Review of Ingram Replat, a replat of Lots 17 and 19, USS 3398, creating a single Lot A, zoned Rural Residential, owned by Wanda Ingram.
M/S: Haubrich/Mitchell moved to approve the Final Plat of the Ingram Replat a replat of Lots 17 and 19, USS 3398, creating a single Lot A, zoned Rural Residential, owned by Wanda Ingram. Motion approved unanimously by polled vote.
2. Variance application for a clarification and possible reduction to the lot size requirements for duplexes in the Multi-Family Residential District, on Lot 7, Block 24, Wrangell Townsite, requested by owner Kevin Young.

Public Hearing was opened for this item at 7:06 pm. No one was present to speak on this item. Public Hearing was closed at 7:06 pm.

M/S: Mitchell/Haubrich moved to approve the Variance application for a clarification and possible reduction to the lot size requirements for

duplexes in the Multi-Family Residential District, on Lot 7, Block 24, Wrangell Townsite, requested by owner Kevin Young.

Commissioner Haubrich had questions regarding the parking and the available space in the front. Todd White spoke about the parking and stated that there is 27 feet currently and 21 feet after the deck will be added.

Kelly Gunderson spoke and stated that there is not enough room in the front of the house when a truck was parked there recently and there was almost an accident recently.

Cherie Young stated that at her house in a different part of town, there were almost accidents due to backing out and she has learned to be cautious.

Todd White also stated that there is a difference between a construction project and a residence. He does not expect that there will be a lot of trucks there once the project is completed. Mr. White will call Mr. Young tonight to let him know that they will need to look at this issue.

Carol Rushmore gave some background information about what the variance application is for and the definitions from the Municipal Code regarding single family residential unit, dwelling units, duplexes and for SFR and MFR districts. Commissioner McConachie stated that they looked at other properties in town where a duplex is and that there is no consistency in the way the code is interpreted. The safety issue is a concern, but Planning and Zoning deals with the way it is built and the setbacks and definitions. He would like to give direction to staff to review the code and the provide clarification on the code pertaining to duplexes.

Amended M/S: Mitchell/Haubrich moved to amend the motion to include the findings of fact. Amendment approved unanimously. Amended motion approved unanimously.

3. Preliminary Plat review of Trust Land Survey No. 2018-9, a subdivision of Lot 1, USS 3709, creating Lots 1 and 2, portions of property zoned Open Space Public or Rural Residential requested by the owner Mental Health Trust Authority.
4. Preliminary Plat review of Trust Land Survey No. 2018-10, a subdivision of Lot 3, USS 3709, creating Lots 1, 2 and 3, portions of property zoned Open Space Public or Timber Management, requested by the owner Mental Health Trust Authority.
5. Preliminary Plat review of Trust Land Survey No. 2018-11, a subdivision of Lot 4A, USS 3709, creating Lots 1 and 2, portions of property zoned Open Space Public, Timber Management, Rural Residential Development or Open Space Public requested by the owner Mental Health Trust Authority.

Public Hearing was opened for items 3-5 at 7:21 pm.

Bob Dalrymple with the USFS stated that he is here to learn and ask questions and that this is the implementation part of the law between the Borough and Alaska Mental

Aaron O'Quinn spoke on behalf of Alaska Mental Health. They are attempting to continue the timber industry and consolidate timber holdings and will relinquish these lands to the USFS. They are also exchanging lands in Petersburg, Sitka, Meyers Chuck, and Juneau. The lands they are receiving are on POW and in Hollis. On the plats, they are retaining the lands in blue and relinquishing the lands in green. This is a dollar-for-dollar exchange. At the end, they may have to balance it with some cash based on valuation, but that is not the goal and it will not be a big ticket item. Commissioner Haubrich asked if the lands that they are retaining are close to residential areas to be developed later, and O'Quinn verified that this is correct.

Rushmore gave some history on this that the exchange, that it is happening whether we approve of specifics or not. The decision is needed for the easements and access concerns for the lots being created.

McConachie asked why the Borough couldn't receive the lands in the Borough's interest rather than trading those. Rushmore and O'Quinn stated that they could be purchased if the Borough wanted to purchase those. O'Quinn confirmed that this is a land swap based on a Congressional bill that Alaska's Congressmen helped to push through.

David Wilson asked about the pink highlights on the plats. McConachie stated that these are the right-of-ways on the plat and where the City and Borough has requested access.

O'Quinn reviewed each of the plats, with the lots, existing ROWs, and the easements that are suggested in the Recommended Motion.

Rushmore verified that you cannot create a lot without access. Right now, it is a large Lot 3 and the access for a NEPA approved logging road cannot be created on lands going to the USFS. O'Quinn verified that this is due to the law of the swap.

McConachie asked about where the southernmost access point was on the third plat. O'Quinn provided an aerial map showing the access point.

McConachie also asked why there are 3 access points rather than 5. The access to the USFS land is a question, not just to the AMHT land. He would like to see more floating ROWs in between for potential recreational use for the USFS. O'Quinn stated that the lands in between are very steep and rocky terrain. If AMHT decides to develop those lands, they would have to come back to subdivide it, at which time the Planning and Zoning Commission can add requirements for roads and access.

A question was asked about what lands had been logged already by the AMHT and if that presented a liability to USFS regarding stability. Dalrymple stated that the USFS was careful about what lots they accepted. Rushmore also stated that Pat's Lake is also being transferred, but it is a whole parcel, not subject to a replat.

A question was also asked about the Pat's Landing Road and the Phillips Road and Rushmore stated that we can elevate that to Senator Murkowski and AMHT as part of the legislation to ensure that those roads remain in use. The USFS currently has an easement through MHTL lands.

Rushmore also stated that the Borough does not have the authority to create road access through the USFS lands as part of the platting process due to the legislation. It can be elevated to the Congressional delegation that this is important and should remain. The legislation restricts this and that is a problem at this time.

Mulikan restated what they had asked for at the April meeting regarding the variances from the code regarding contours and line-of-sight. He confirmed that they did not walk the back line to see if there were any trespasses. That would only be a problem for AMHT if someone had encroached on the land.

Lorraine Allen stated that AMHT had given her son Wes the authority to put a road into the back of their property across the AMHT land. If there is no agreement in writing, Rushmore stated that this could not be a permanent situation.

Public Hearing was closed at 8:30 pm.

M/S: McConachie/Haubrich moved to approve the preliminary plat, subject to the following access issues being resolved prior to final plat:

- 1. Provide 4 – 60 foot wide floating easements or ROWs through four of the "ROW" lots along Zimovia Highway in order to guarantee access to Lot 2 (remaining with AMHT) (2018-9).**
- 2. Show the designated 1961 easement on the plat and reference the document.**
- 3. Provide 60 foot wide floating easements or ROWs through Lot 3 South Wrangell Alaska Subdivision to Lot 2 in 2018-10.**
- 4. Provide 60 foot wide floating easements or ROWs through Lot 13 USS 2698 to Lot 2 in 2018-11.**
- 5. Recommend to eliminate property lines between Lots 23 and 14 and Lot 3 to provide access to Lot 3 to USFS 2018-10.**
- 6. Recommend to Assembly to create an easement through the Institute to enable AMHT to create an easement through Lot 2 to USFS lands and possibly to Lot 1 (because Rainbow Falls Trail is inadequate) 2018-10.**

7. Modify survey around Rock Hard Quarry to ensure no trespassing on proposed USFS land.

8. Notify Congressional Delegation, AMHT, USFS, to force the issue of Phillips Road, Pats Landing Road, Pat's Creek Road, Zimovia Highway, and the NEAPA approved Mill Basin road through the USFS land.

Motion approved unanimously by polled vote.

6. Request to lease City owned Tidelands adjacent to existing lease, requested by Hungry Beaver, Inc. (Patty Kautz)

M/S: Mitchell/Haubrich moved to make a recommendation to the Assembly to approve the request by the Hungry Beaver to lease a portion of City Tidelands adjacent to their restaurant/bar for parking only. Motion approved unanimously by polled vote.

H. PUBLIC COMMENT: None

I. COMMISSIONERS' REPORTS AND ANNOUNCEMENTS:

J. ADJOURNMENT: 8:40 pm.

CHAIRPERSON

SECRETARY

Carol Rushmore

From: Kevin <dewyo@hotmail.com>
Sent: Thursday, June 07, 2018 6:25 PM
To: Carol Rushmore
Subject: Re: construction on Case Ave

E-1

Carol-

We have tried our best to keep parking to a minimum on the Duplex side of the street. I will reiterate with the crews to limit this as much as possible. If materials need unloaded I will instruct them to use the south side of the parking area. Should she decide to speak please let me have the call in number so I can remind her/them that we have more then exceeded a set back at the front and have even eliminated the deck on both sides so that there is more parking space closer to the building for better viewing around our structure. I will be onsite again next week and can talk with them while there too. Thanks

Kevin

Sent from Outlook

From: Carol Rushmore <ecodev@wrangell.com>
Sent: Thursday, June 7, 2018 9:07 PM
To: 'Kevin'
Subject: construction on Case Ave

Hi Kevin,

I have received a couple of complaints – primarily from adjacent resident - regarding the parking issue in front of the duplex. At the meeting when the issues was discussed, Todd white had assured the Commission that parking issues would be addressed and number of vehicles parking in front would be minimized to reduce the safety hazards on the curve and for the neighbor. This could come up under persons to be heard at the next Assembly meeting, - at least she has indicated in her conversation to me she might go. If you can please advise as a way to assure that large trucks/vans park on the side or minimize use of the front during the remainder of your construction. I did let her know that the permit was approved to allow parking in front by future residents.

Carol Rushmore
Economic Development Director
City and Borough of Wrangell
P.O. Box 531
Wrangell, AK 99929
907-874-2381
fx 907-874-3952
ecodev@wrangell.com

Please check out our website at www.wrangell.com
Follow us on Twitter: WrangellCVB
Like "WrangellCVB" or "City and Borough of Wrangell" on Facebook

June 7, 2018

PO Box 1762
Wrangell, AK 99929

Chairperson, Wrangell Planning and Zoning
PO Box 581
Wrangell, AK 99929

Cc: Carol Rushmore, Lisa van Bargaen, David Jack
Re: Demerjian/Eastaugh property problems

Dear Ms. Henson,

We are writing to ask for assistance in addressing the following issues:

1. Industrial noise - Our rights as residential property owners are being (and have been, for twenty years and more) violated because the city does not have the proper ordinances to allow the police to stop industrial noise generated by the Eastaugh family in very close proximity to our house.

The police have been involved many times over the past years with no results except that the industrial noises now stop about 9 pm or so. That took years to make happen. The police say that there are no laws to restrict these industrial noises and messes. The only law that deals with noise in residential areas that we can see is 20.52.060 *Noise*:

The noise emanating from a premises used for industrial activities shall be muffled so as not to become objectionable due to intermittent beat, frequency or shrillness. Where the use adjoins a residential district (SF, MF, RR-1, RR-2, and RMU), the noise loudness measured at the boundary line of the premises used for industrial activities shall not exceed 90 decibels between the hours of 7:00 a.m. and 8:00p.m. weekdays and the hours of 10:00 a.m. and 8:00 p.m. weekends and holidays, and 40 decibels at other hours. (Ord. 867 1, 2013: Ord. 462 6, 1984.)

This law only deals with property zoned industrial that abuts a residential area. The Eastaugh property is not zoned industrial, however it is being used like an industrial property as it applies to industrial noise and mess generated. The scope of the industrial activities is wide however the most egregious noise comes from cutting, grinding and welding aluminum for boat projects. This activity should be done in industrial areas only.

There is also a wide variety of industrial machinery housed on the property that produce abnormal noise and mess for a residential area. We see and listen to auto and boat repair for friends and family, with the tools of the trades making noise and mess in our faces. As residential property owners we believe over the years we have suffered enough mental anguish caused by the Eastaugh issues. Furthermore, property values in the area are affected by these same issues. To repeat, our rights as residential property owners are being violated. Their shop and industrial equipment should be moved to an industrial-zoned property as everyone else is required to do.

2. Junk stored on the property – The city is already working on the issue of illegal items stored on properties. We hope this applies to the Eastaugh property. This may require new laws so that the city can enforce ordinances already on the books. This issue also has a profound effect on our property value and the well-being of the entire neighborhood. We have been told a number of times that while people like our house, they would never buy it because of the issues next door. Also, we hear tourists commenting on the unsightliness of the Eastaugh property.

It is time for enforceable laws that model those in other communities, where zoning is taken seriously, to be created so that the city can do its job in enforcing proper zoning regulations. This will be our final request. If no action is forthcoming, we are prepared to sue the city for the mental turmoil and the devaluing of our property caused by the lack and enforcement of zoning regulations.

Sincerely,

Haig and Bonnie Demerjian

City and Borough of Wrangell, Alaska

Items G- 1

Date: June 8, 2018

To: Planning and Zoning Commission

From: Carol Rushmore, Economic Development Director

Re: Preliminary Plat review of TLO Ketchikan MC-1 Subdivision, a subdivision of Lot 40 J, ASLS 85-93, creating Tracts A and B, zoned RMU-M, requested by the owner Mental Health Trust Authority as part of the proposed land trade with the US Forest Service.

Recommendation: Recommended Motion

Staff recommends approval of the preliminary plat of the TLO Ketchikan MC-1 Subdivision, a subdivision of Lot 40 J, ASLS 85-93, creating Tracts A and B.

Background:

This proposed land trade between the USFS and the Mental Health Trust Authority has been in process for several years. Legislation was passed and Wrangell is now being surveyed in Phase II of the survey land analysis.

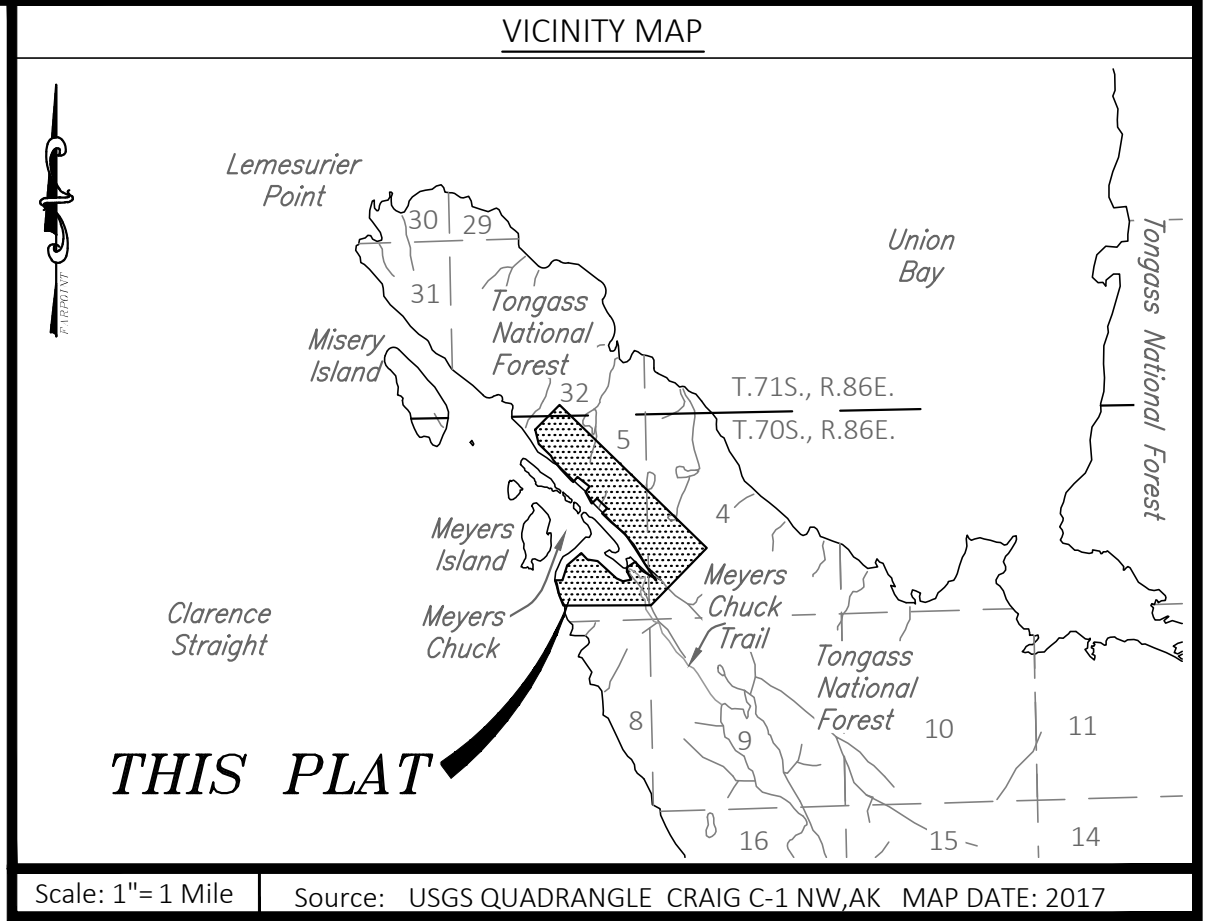
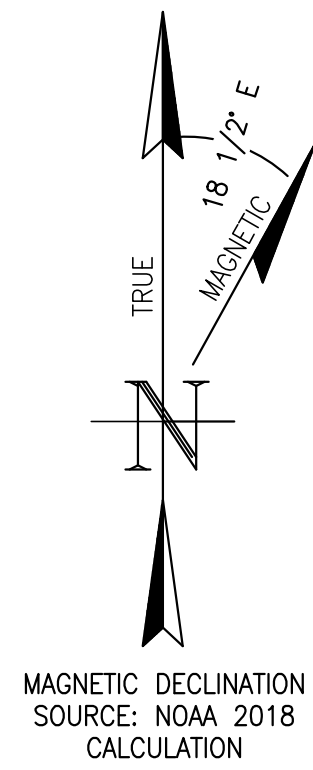
Findings:

Staff reviewed the preliminary plats in-house and identified a couple of issues that the Borough is trying clarify.

The Mental Health Trust parcel is being divided into two separate parcels. The land will go to the USFS to remain in its natural state. The monuments that were recorded at the time of creation of these lots are being referenced as monuments of record but are not being resurveyed and only two new monuments are being installed where the larger parcel is being divided between Tract A and Tract B.

Staff's concern is the long term protection of the Meyers Chuck trail that actually goes to their water source. A right of way was created 6' wide and 1325' long. It is referenced in the notes but not drawn in as a right of way and staff wants to make sure this is sufficient.

Phone calls with surveyor, USFS, and TLO representatives have been made, but the issue has not yet been clarified.



LEGEND

- RECORD BLM MONUMENT
- RECORD MONUMENT
- TO BE SET MONUMENT
- SUBJECT BOUNDARY LINE
- ADJACENT BOUNDARY LINE
- EASEMENT BOUNDARY LINE

NOTES

1. THE ERROR OF CLOSURE OF THIS SURVEY DOES NOT EXCEED 1:5000.
2. ALL BEARINGS SHOWN ARE TRUE BEARINGS AS ORIENTED TO THE BASIS OF BEARING AS PER PLAT 86-6 AND THE DISTANCES ARE SHOWN ARE REDUCED TO HORIZONTAL FIELD DISTANCES.
3. THE MEANDERS SHOWN HEREON ARE FOR AREA COMPUTATION PURPOSES ONLY AND THE TRUE MEANDERS OF MEAN HIGH WATER OR ORDINARY HIGH WATER AND THE EXTENSIONS OF THE SIDELINES TO THE TRUE MEANDERS FORM THE TRUE BOUNDS OF THE TRACTS.
4. ACCEPTANCE OF THIS SURVEY DOES NOT PURPORT TO TRANSFER ANY INTEREST IN SUBMERGED LANDS TO WHICH THE STATE OF ALASKA IS ENTITLED UNDER THE EQUAL FOOTING DOCTRINE, SUBMERGED LANDS ACT OF 1953 AND SECTION 6(M) OF THE ALASKA STATEHOOD ACT, P.L. 85-508, NOTWITHSTANDING THE USE, LOCATION, OR ABSENCE OF MEANDER LINES TO DEPICT WATER BODIES.
5. PARCELS WITHIN THIS SUBDIVISION MAY CONTAIN WETLANDS AS DEFINED WITHIN THE PURVIEW OF SECTION 404 OF THE CLEAN WATER ACT AND MAY REQUIRE US ARMY CORPS OF ENGINEERS (USACE) PERMITS PRIOR TO THE PLACEMENT OF FILL MATERIAL INTO THOSE AREAS. CONTACT WITH USACE SHOULD BE MADE PRIOR TO COMMENCING CONSTRUCTION.
6. NO PART OF A SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE CLOSER THAN ONE HUNDRED FEET (100') FROM ANY BODY OF WATER OR ANY WATERCOURSE.
7. 50' ACCESS EASEMENT EXISTS PER ASLS 85-93.
8. THE MEYERS CHUCK TRAIL DEPICTED HEREON IS RECORDED WITHIN BOOK 95, PAGE 84, JUNEAU RECORDING DISTRICT, AND WAS DIGITIZED FROM SHEET 1 OF PLAT NO. 86-6, K.R.D.
9. ALL BEARINGS AND DISTANCES SHOWN ARE FROM RECORD PLATS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

CLARENCE STRAIT

TONGASS NATIONAL FOREST
UNSUBDIVIDED

TONGASS NATIONAL FOREST
UNSUBDIVIDED

TONGASS NATIONAL FOREST
UNSUBDIVIDED

TRACT A
±7,315,906 Sq. Ft.
±167.95 Acres

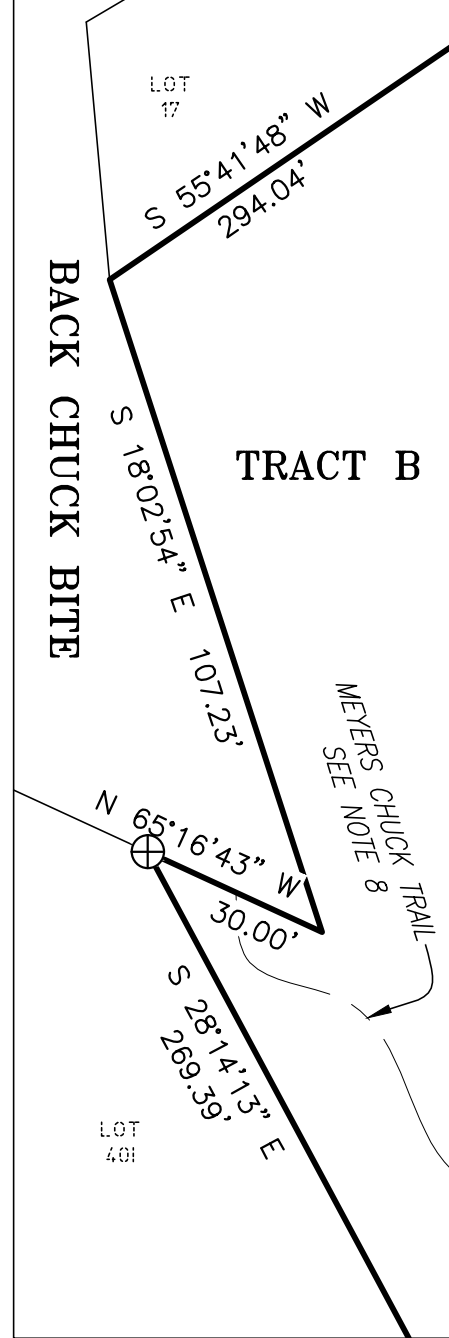
TRACT B
±2,777,008 Sq. Ft.
±63.75 Acres

MEYERS CHUCK

BACK CHUCK

BACK CHUCK BITE

DETAIL A
N S



TRACT B

CERTIFICATE OF OWNERSHIP AND DEDICATION

I HEREBY CERTIFY THAT MENTAL HEALTH LAND TRUST IS THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND I HEREBY APPROVE THIS SURVEY AND PLAT WITH MY FREE CONSENT TO BE PREPARED AND RECORDED IN THE OFFICE OF THE DISTRICT RECORDERS, FIRST JUDICIAL DISTRICT, KETCHIKAN, ALASKA

WYN MENEFFE, EXECUTIVE DIRECTOR
MENTAL HEALTH LAND TRUST
2600 CORDOVA STREET, SUITE 100
ANCHORAGE, ALASKA 99503

NOTARY'S ACKNOWLEDGMENT

STATE OF: _____
JUDICIAL DISTRICT: _____
THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____ 20____
BY: _____
(NAME OF SIGNER, PRINTED BY NOTARY)
NOTARY PUBLIC IN AND FOR THE STATE OF ALASKA
MY COMMISSION EXPIRES: _____

CERTIFICATE OF PAYMENT OF TAXES

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, ALL LOCAL PROPERTY TAXES ASSESSED AGAINST THE PROPERTY DESCRIBED HEREON ARE PAID IN FULL BEFORE _____, OR THAT CURRENT TAXES FOR THE YEAR _____ WILL BE DUE ON, OR _____ ARE EXEMPT.

FINANCE DIRECTOR
KETCHIKAN GATEWAY BOROUGH

CERTIFICATE OF APPROVAL BY THE PLANNING COMMISSION

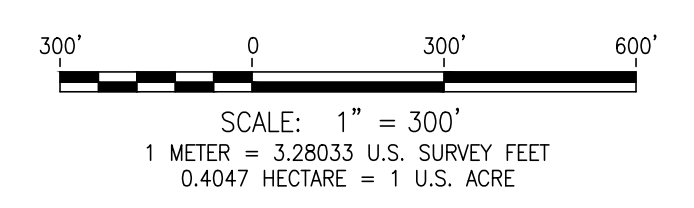
I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION REGULATIONS OF THE BOROUGH PLANNING COMMISSION, AND THAT SAID PLAT HAS BEEN APPROVED BY THE BOARD BY PLAT RESOLUTION No. _____ DATED _____, AND THE PLAT SHOWN HEREON HAS BEEN APPROVED FOR RECORDING IN THE OFFICE OF THE DISTRICT RECORDER, FIRST JUDICIAL DISTRICT, KETCHIKAN, ALASKA.

DATE _____ PLANNING COMMISSION CHAIR

CERTIFICATE STATE OF ALASKA (FIRST JUDICIAL DISTRICT)ss

I, THE UNDERSIGNED, BEING DULY APPOINTED AND QUALIFIED, AND AS ACTING ASSESSOR FOR THE CITY AND BOROUGH OF WRANGELL, HEREBY CERTIFY THAT, ACCORDING TO THE RECORDS IN MY POSSESSION, THE FOLLOWING DESCRIBED PROPERTY IS CARRIED ON THE TAX RECORDS OF THE CITY AND BOROUGH OF WRANGELL, IN THE NAMES OF

AND THAT ACCORDING TO THE RECORDS IN MY POSSESSION, ALL TAXES ASSESSED AGAINST SAID LANDS ARE PAID IN FULL. THAT CURRENT TAXES FOR THE YEAR 20____ WILL BE DUE ON OR BEFORE AUGUST 15, 20____ DATED THIS _____ DAY OF _____ 20____.



SURVEYOR'S CERTIFICATE

I, Michael J. Horne, hereby certify that I am properly registered and licensed to practice land surveying in the state of Alaska and that this plat represents a survey made by me or under my direct supervision, that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct.

Preliminary Plat
TLO KETCHIKAN MC-1 SUBDIVISION
Creating Tracts A & B
A subdivision of LOT 40 J, ASLS 85-93
Located Within
Sections 4, 5, 8, & 9, Township 71 South, Range 86 East, and Section 32, Township 70 South, Range 86 East, Copper River Meridian, Alaska, Containing 231.70 acres more or less.
Ketchikan Recording District
SURVEYED BY: Farpoint Land Services, LLC
1131 E. 76th Ave., Suite 101
Anchorage, Alaska 99519
FarpointAK.com (907) 522-7770
survey@farpointak.com
SURVEYED FOR: MENTAL HEALTH LAND TRUST
2600 CORDOVA STREET, SUITE 100
ANCHORAGE, AK 99503
DATE OF SURVEY: XXX, XX, XXXX
DATE OF PLAT: MAR, 14, 2018
DRAWN BY: JLA
SCALE: 1" = 300'
FILE No. XXXXXXXXXXXX

Form No. DL 72
(Rev. June 1969)

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF LANDS

ADL No. 51039

RIGHT-OF-WAY PERMIT

THIS AGREEMENT made and entered into this 9th day of June, 1970, by and between the STATE OF ALASKA, acting by and through the Department of Natural Resources, Division of Lands, hereinafter referred to as the grantor and U.S.D.A. Forest Service hereinafter referred to as the permittee.

WITNESSETH, that in accordance with the provisions of Sec. 38.05.330, A.S. and the rules and regulations promulgated thereunder, the permittee having filed an application for a right-of-way for: Public Trail

Coyote Creek Trail
with the Division of Lands together with a map showing the definite location thereon of the line of right-of-way which the permittee has adopted and agrees to be the specific and definite location of the aforesaid right-of-way, and

WHEREAS, it is understood and agreed by the permittee herein that, as a condition to the granting of the right-of-way applied for, the land covered by said right-of-way shall be used for no purpose other than the location, construction, operation and maintenance of the said right-of-way over and across the following described State lands, to wit:

Located within Lot 40 of U.S. Survey 2673 in Township 71 South, Range 86 East, C.R.M. as described in attached plat and description.

running 1325 feet in length and/or containing .18 acres, more or less and shall extend a width of 6 feet.

TO HAVE AND TO HOLD the same until the above described land shall no longer be used for the above-mentioned purpose and subject to conditions and reservations elsewhere set forth herein.

The sketch map revealing the right-of-way granted herein shall be attached hereto and made a part hereof.

In the event that the right-of-way herein granted shall in any manner conflict with or overlap a previously granted right-of-way the permittee herein shall use this right-of-way in such a manner as not to interfere with the peaceful use and enjoyment of the previously issued right-of-way and no improvements shall be constructed by the permittee herein upon the overlapping area unless the consent therefor has first been obtained from the permittee under the pre-existing right-of-way.

The permittee in the exercise of the rights and privileges granted by this

JUL 8 1970	RECEIVED	M. TONGASS N.F.	DATE	TIME	BY	INITIALS	REMARKS	FILE NO.

JUNEAU
Serial No. 70-2523

indenture shall comply with all regulations now in effect or as hereafter established by the Division of Lands and all other Federal, State or municipal laws, regulations or ordinances applicable to the area herein granted.

Upon abandonment, termination, revocation or cancellation of this indenture, the permittee shall within 90 days remove all structures and improvements from the area herein granted, except those owned by the grantor, and shall restore the area to the same or similar condition as the same was upon the issuance of this permit. Should the permittee fail or refuse to remove said structures or improvements, within the time allotted, they shall revert to and become the property of the grantor. However, the permittee shall not be relieved of the cost of the removal of the structures, improvements and/or the cost of restoring the area. Provided further, however, that the grantor, in his discretion, may alter or modify the requirements contained in this provision if it is to the best interest of Alaska to do so.

The permittee shall utilize the lands herein granted consistent with the purposes of the proposed use, as revealed by the application therefor, and shall maintain the premises in a neat and orderly manner and shall adopt and apply such safety measures as shall be necessary, proper and prudent with respect to the use to which the land is subjected.

The permittee shall take all reasonable precaution to prevent and suppress brush and forest fires. No material shall be disposed of by burning in open fire during the closed season unless a permit therefor has first been obtained from the agency empowered by law to issue such permits.

Prior to any construction or development that will use, divert, obstruct, pollute or utilize any of the waters of the State, the permittee shall first obtain approval therefor from the Commissioner of the Department of Fish and Game and file an image copy thereof with the grantor.

Any lands included in this permit which are sold under a contract to purchase shall be subject to this permit. Upon issuance of title to the purchaser, this permit shall remain in effect until its date of expiration.

In case the necessity for the right-of-way shall no longer exist, or the permittee should abandon or fail to use the same, then this permit shall terminate.

The State of Alaska shall be forever wholly absolved from any liability for damages which might result to the permittee herein on account of this permit having been cancelled, forfeited, or terminated prior to the expiration of the full time for which it was issued.

NOW THEREFOR, in accordance with the provisions of Sec. 38.05.330, A.S. and the rules and regulations promulgated thereunder and in accordance with the conditions heretofore set forth or attached hereto and made a part hereof, the permittee herein is hereby authorized to locate, construct, operate and maintain said right-of-way over and across the lands herein described.

IN WITNESS WHEREOF, the said grantor has caused these presents to be signed in duplicate and the permittee herein has hereunto affixed his signature on the

day and year first above written.

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES

By: [Signature]
Chief, Lands Section
Division of Lands

[Signature]
Permitted - Regional Forester
USDA, Forest Service, Region 10

UNITED STATES OF AMERICA)
State of Alaska) ss.

This is to certify that on the 1st day of Sept, 19 70,
before me, the undersigned Notary Public, personally appeared _____
known to me and known by me to be the _____
of the Division of Lands of the Department of Natural Resources, and acknowledged
to me that he executed the foregoing instrument for and on behalf of said State,
freely and voluntarily for the use and purposes therein set forth.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official
seal, the day and year in this certificate first above written.

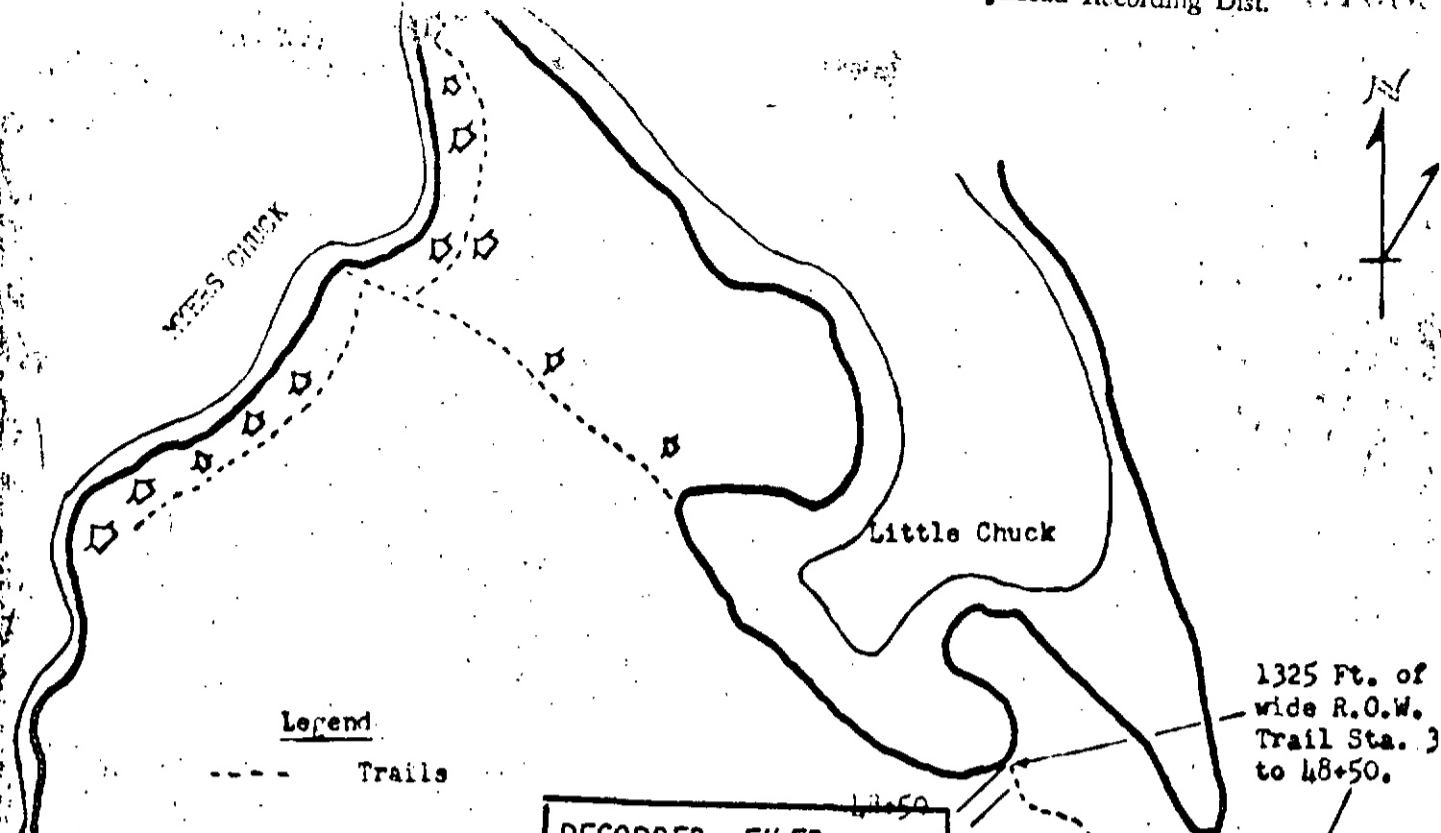
[Signature]
Notary Public in and for the State
of Alaska
My commission expires 3-28-73

UNITED STATES OF AMERICA)
State of Alaska) ss.

This is to certify that on this 2nd day of July, 19 70,
before me, the undersigned Notary Public, personally appeared W. H. Johnson
to me personally known to be one of the persons described in and
who executed the within instrument and the said W. H. Johnson
acknowledged to me that he signed and executed the same freely and voluntarily
for the uses and purposes therein mentioned.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official
seal, the day and year in this certificate first above written.

[Signature]
Notary Public in and for the State
of Alaska
My commission expires April 5, 1971



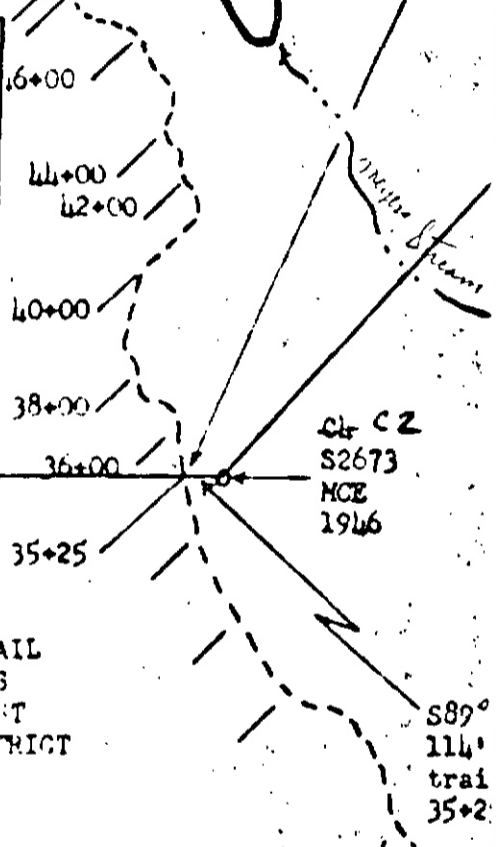
Legend

- - - Trails
- Stream
- ⬠ Buildings

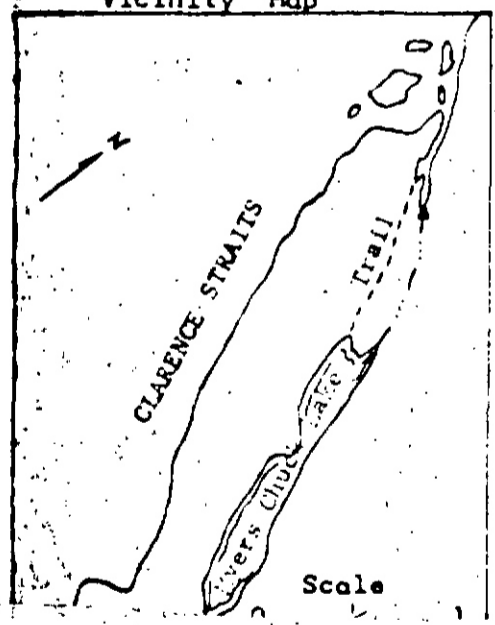
Prepared 4-6-70
 By: DHS

RECORDED - FILED
1st REC. DIST.
 DATE 11-15 1970
 TIME 11:16 A.M.
 Requested by Dept. Game
 Address P.O. Box 250
Juneau, AK

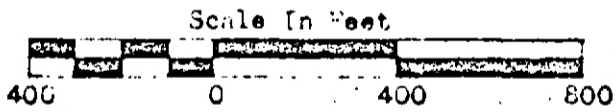
attn
Mal Hagrup 99801
 Myers Chuck Elimination Boundary



Vicinity Map



MYERS CHUCK TRAIL
 SOUTH TONGASS
 NATIONAL FOREST
 KASPAAN RANGER DISTRICT



City and Borough of Wrangell, Alaska

Items G- 2

Date: June 11, 2018

To: Planning and Zoning Commission

From: Carol Rushmore, Economic Development Director

Re: Review of the State's Bennett Street/Airport Road Rehabilitation Project

Recommendation: Recommended Motion

Staff recommends concurrence with the proposed Bennett Street/Airport Road Rehabilitation Project.

Background:

The State of Alaska is going to be rehabilitating Bennett Street and Airport Road which involves replacing the existing sidewalks and repaving the street from the intersection with Zimovia Highway to Evergreen. New sidewalks and bike path are not part of this project.

Findings:

State DOT staff have been working with City Staff on the City's potential water main replacement through a portion of the street, encroachment issues, sidewalk replacement, scheduling, utilities and any other issues. Borough Staff have reviewed the preliminary drawings and provided comments.

The WMC 3.44.120-130 requires the review of plans. The State of Alaska Department of Transportation and Public Facilities is requesting concurrence with the proposed plans.



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Transportation and
Public Facilities
G2-1

SOUTHCOAST REGION

6860 Glacier Highway
PO Box 112506
Juneau, Alaska 99801-2506
Main: (907) 465-1799
Toll free: (800) 575-4540
Fax: (907) 465-2030
TTY-TDD: (800) 770-8973
dot.state.ak.us

April 16, 2018

Amber Al-Haddad
Director of Public Works
City and Borough of Wrangell
PO Box 531
Wrangell, AK 99929

RE: State Project No. SFHWY00067
Wrangell: Bennett Street Rehabilitation and Airport Road Resurfacing

Ms. Al-Haddad:

I am submitting the enclosed project plans for your review and comment. In addition to a general review, please specifically review for compliance in accordance with AS 35.30.020.

Under AS 35.30.020, the Department must comply with local planning and zoning ordinances and other regulations in the same manner and to the same extent as other landowners. If you believe the Department's construction of this project would result in a violation of planning, zoning, or other regulations generally applicable to landowners, please identify the portions of the project possibly in violation, and the specific planning, zoning, or other regulations you believe would be violated.

The submitted project for your review proposes:

Approximately 1,200 feet of Bennett Street will be rehabilitated with new curb and gutter and sidewalk that meet ADA standards. The storm drain system and asphalt surfacing will also be replaced. Approximately 3,400 feet of Airport Road will be planed and resurfaced with asphalt pavement, and cross-culverts will be repaired or replaced as needed. The entire corridor will be re-stripped and new signs installed.

If we have not received comments regarding the project's compliance with planning and zoning ordinances within 90 days after submittal of these plans, the Department will proceed with the

"Keep Alaska Moving through service and infrastructure."

project as planned. If you have any questions, I can be reached by phone at: (907) 465-4490, or by e-mail at: david.pyeatt@alaska.gov.

Sincerely,

A handwritten signature in blue ink that reads "David Pyeatt". The signature is fluid and cursive, with the first name "David" and last name "Pyeatt" clearly legible.

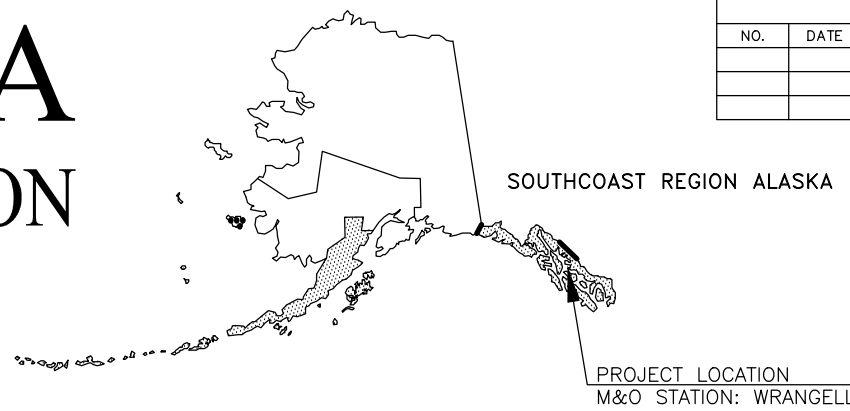
David Pyeatt, P.E.
DOT&PF Engineering Manager

Enc: Preliminary Project Plans

CUS
DRAFTED
EMV
CHECKED
TAL
DESIGNED
A1
LAYOUT
12:55
5/4/2018
DATE
FILE
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STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	ALASKA	0943026/SFHwy00067	2017	A1	A7
						PLAN SET TOTAL	66
CDS ROUTE:		293315	MILEPOINT:		0 TO 0.4		
CDS ROUTE:		293310	MILEPOINT:		0 TO 0.8		
LATITUDE:		56.475	LONGITUDE:		-132.373		

G2-2

PROPOSED HIGHWAY PROJECT

WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING

PROJECT NO. 0943026/SFHwy00067

PLANING, DRAINAGE, GRADING, PAVING, SIGNING □ STRIPING

PROJECT SUMMARY		
ROAD NAME	BENNETT STREET	AIRPORT ROAD
WIDTH OF PAVEMENT (FT)	37 / 28	28 / 32
LENGTH OF GRADING	N/A	N/A
LENGTH OF PAVING (FT)	2,140	4,976
LENGTH OF PROJECT (FT)	2,140	4,976

DESIGN DESIGNATIONS		
ROAD NAME	BENNETT STREET	AIRPORT ROAD
FUNCTIONAL CLASS	RURAL MAJOR	COLLECTOR
ADT (2015)	1470	600
ADT (2039) DESIGN YEAR	1560	640
DHV (2015)	160	60
DHV (2039) DESIGN YEAR	170	70
PERCENT TRUCKS (T)	8.8	4.8
DIRECTIONAL SPLIT (D)	55 / 45	55 / 45
DESIGN SPEED (V)	30	45
DESIGN EAL'S (20 YEARS)	500,000	100,000

USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2017 EDITION AND THE PROJECT SPECIAL PROVISIONS.

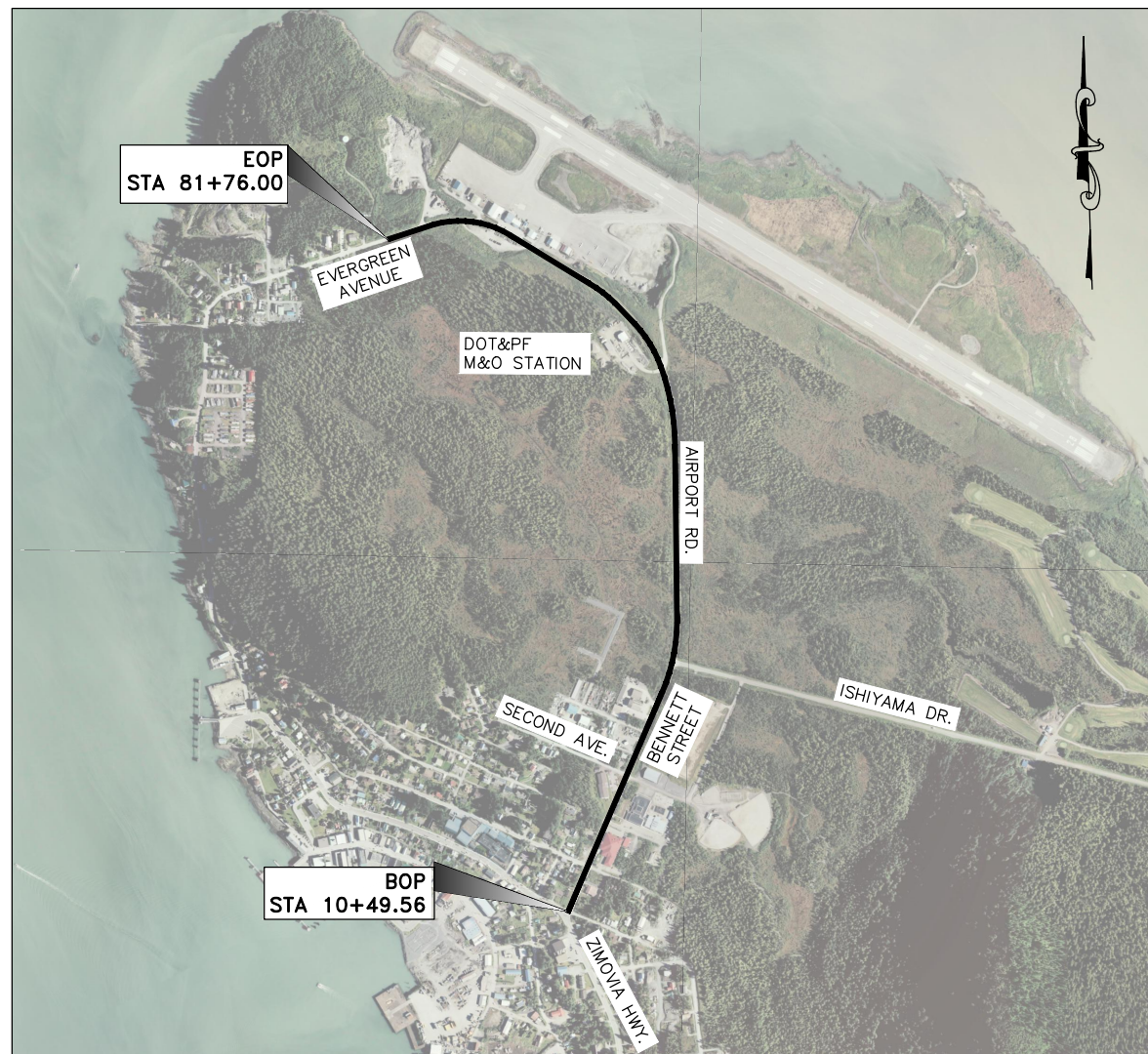
PLANS DEVELOPED BY: DOWL, LLC
5368 COMMERCIAL BLVD. - JUNEAU, AK 99801
907-780-3533 - #AECL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

APPROVED:

L. PAT CARROLL, P.E.
REGIONAL PRECONSTRUCTION ENGINEER
CONCUR: DATE

MICHAEL J. COFFEY
DIRECTOR, SOUTHCOAST REGION
DATE



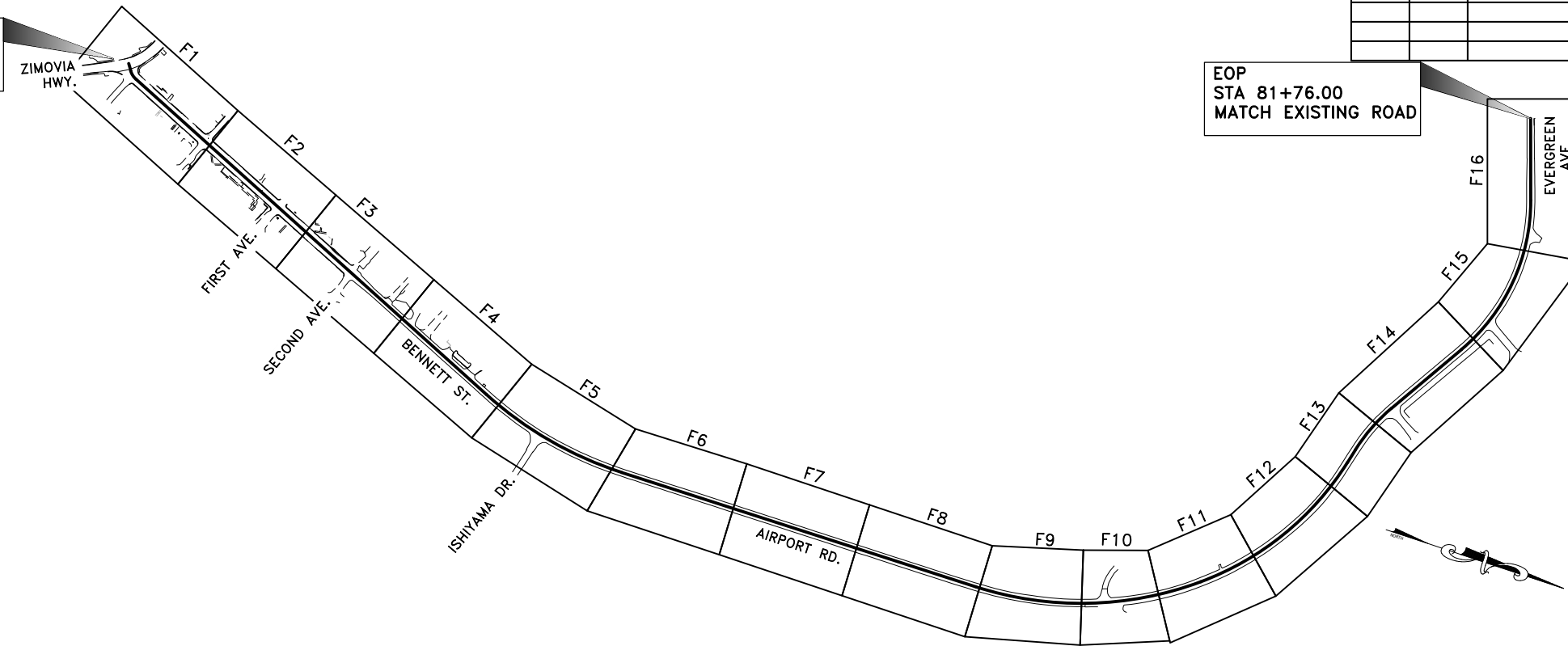
VICINITY MAP
NTS

FILE: q:\Wrg\sfhy000067\plan\set\000067_A2.dwg
 DATE: 5/4/2018 13:10 LAYOUT: A2
 DESIGNED: TAL
 CHECKED: EMV
 DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	A2	66

BOP
STA 10+49.56
MATCH EXISTING ROAD

EOP
STA 81+76.00
MATCH EXISTING ROAD



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SHEET LAYOUT, INDEX, AND GENERAL NOTES
A3	LEGEND
A4-A7	SURVEY CONTROL
B1-B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D8	SUMMARY TABLES
E1-E4	DETAILS
F1-F16	PLAN & PROFILE
G1-G7	INTERSECTION GRADING
H1-H11	SIGNING & STRIPING
P1-P8	EROSION SEDIMENT CONTROL PLANS
T1-T2	TRAFFIC CONTROL PLANS

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

C-04.12, C-05.20,
 D-01.02, D-04.21, D-06.10,
 D-20.04, D-22.01, D-23.01, D-24.00, D-26.03,
 I-20.20, I-21.10
 S-00.11, S-05.01, S-20.10, S-30.04, S-31.01
 T-06.00, T-20.03, T-21.03, T-22.03, T-23.00

ABBREVIATIONS

□	AT
□	AND
ACI	AMERICAN CONCRETE INSTITUTE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADOT	ALASKA DEPARTMENT OF TRANSPORTATION
ADT	AVERAGE DAILY TRAFFIC
AKSPC	ALASKA STATE PLANE COORDINATES
APPROX	APPROXIMATE
ATB	ASPHALT TREATED BASE
BFS	BEGIN FULL SUPERELEVATION
BKSW	BACK OF SIDEWALK
BM	BENCH MARK
BOP	BEGINNING OF PROJECT
BOT	BOTTOM
BRG	BEARING
BST	BEGIN SUPERELEVATION TRANSITION
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CC	CENTER TO CENTER
C&G	CURB AND GUTTER
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CRA	CURB RETURN ALIGNMENT
CSP	CORRUGATED STEEL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS, CONTINUATION
CPP	CORRUGATED POLYETHYLENE PIPE, TYPE S
CSP	CORRUGATED STEEL PIPE
CTE	CONNECT TO EXISTING
CTR	CENTER
CY	CUBIC YARD
DET	DETAIL
DIA OR ∅	DIAMETER
DOT-PF	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

DWG	DRAWING
DWT,DW	DETECTABLE WARNING TILE
E	EAST
EA	EACH
EFS	END FULL SUPERELEVATION
EG	EXISTING GRADE
EL	ELEVATION
ENGR	ENGINEER
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
ESCP	EROSION SEDIMENT CONTROL PLAN
EST	END SUPERELEVATION TRANSITION
EXP	EXPOSED, EXPANSION
EXST, EX	EXISTING
FD	FULL DEPRESSION
FDN	FOUNDATION
FG	FINAL GRADE
FL	FLOW LINE (ELEV)
FT	FOOT OR FEET
FTG	FOOTING
GAL	GALLONS
GB	GRADE BREAK
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HORIZ	HORIZONTAL
HWY	HIGHWAY
IN	INCH
INVT, INV	INVERT
J, JB	JUNCTION BOX
JT	JOINT
L	LEFT, LENGTH
LB	POUNDS
LF	LINEAR FOOT
LG	LIP OF GUTTER
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
ME	MATCH EXISTING
MEP	MATCH EXISTING PAVEMENT
MIN	MINIMUM
MISC	MISCELLANEOUS

MLLW	MEAN LOWER LOW WATER
MTE	MATCH TO EXISTING
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MDC	DEPRESSED CURB
N	NORTH
NGS	NATIONAL GEODETIC SURVEY
NO, #	NUMBER, NUMBERING
NOM	NOMINAL
NOS	NATIONAL OCEAN ATMOSPHERIC ADMINISTRATION BENCH MARK INFORMATION
NTS	NOT TO SCALE
O.C./ OC	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PI	POINT OF INTERSECTION
PL	PLACE, PLATE, PROPERTY LINE
PC, POC	POINT OF CURVATURE
POT, PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PST	PERFORATED STEEL TUBE
PVC	POLYVINYL CHLORIDE PLASTIC
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R, RAD	RADIUS
RD	ROAD
REF	REFER OR REFERENCE
REINF	REINFORCED, REINFORCING, REINFORCED
REQD	REQUIRED
ROW, R/W	RIGHT-OF-WAY
RT	RIGHT
S	SOUTH
SCH	SCHEDULE
SH, SHT	SHEET
SHLD	SHOULDER
SPECS	SPECIFICATIONS
STA	STATION
STD	STANDARD
SY	SQUARE YARD
T	SQUARE STEEL TUBE
TBC	TOP BACK OF CURB

TBG	TOP BACK OF GUTTER
TCE	TEMPORARY CONSTRUCTION EASEMENT
TN	TON
TRR	TOP RAMP RUN
TSW	TOP OF SIDEWALK
TYP	TYPICAL
VBS	VEGETATED BUFFER STRIP
VC	VERTICAL CURVE
VERT, VT	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W	WEST

GENERAL NOTES:

- ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW, OR ALTERNATE METHOD APPROVED BY THE ENGINEER.
- PLACE TOPSOIL AND SEED ANY AREAS WITHIN THE RIGHT-OF-WAY DISTURBED BY CONSTRUCTION, AND AS DIRECTED BY THE ENGINEER.
- THE EXISTING INFORMATION SHOWN IN THE PLANS IS FROM AS-BUILTS AND HAS BEEN PARTIALLY FIELD VERIFIED. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO CONSTRUCTION.
- DO NOT SCALE FROM PLANS, USE DIMENSIONS.

PLANS DEVELOPED BY:
 DOWL, LLC
 5368 COMMERCIAL BLVD,
 JUNEAU, AK 99801
 (907) 780-3533
 #AECL848

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
 REHABILITATION AND
 AIRPORT ROAD RESURFACING
 SHEET LAYOUT, INDEX, AND
 GENERAL NOTES**

FILE: q:\Wrg\sfhy\000067\Plans\000067_A3.dwg DATE: 5/4/2018 13:14 LAYOUT: A3 DESIGNED: TAL CHECKED: EMV DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	A3	66

	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		
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
CONSTRUCTION CENTERLINE		
MICELLANEOUS CENTERLINE		
STATION EQUATION	$\begin{matrix} "L"48+97.23 \text{ POT BK=} \\ "O"48+97.23 \text{ PC AHD} \end{matrix}$	
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING EASEMENT LINE		
PROPOSED EASEMENT LINE		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE		
MEANDER LINE		

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)		
FUEL LINE		
GAS LINE		
WATER LINE		
METER, VALVE, FIRE HYDRANT		
EXISTING STORM DRAIN (FLOW DIRECTION →)		
PROPOSED STORM DRAIN		
FIBER OPTIC LINE		
DIRECT BURIAL TELEPHONE CABLE		
DIRECT BURIAL ELECTRIC CABLE		
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT		
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
CATCH BASIN OR DROP INLET		
MANHOLE		
SANITARY SEWER CLEAN OUT		
AREA DRAIN		
PIPE CULVERT		
GEOGRID		
POROUS BACKFILL		
PRE-LEVELING		
ROADWAY REHABILITATION		
PAVEMENT PLANING AND OVERLAY		
APPROACH RESURFACING		
TOPSOIL AND SEEDING		
CLEARING		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE		
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX		
TREE LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS		
POST OR BOLLARD		
WELL OR MONITORING WELL		
SEPTIC PIPE		
FUEL TANK FILL PIPE/VENT		
TEST HOLE		
CONIFER TREE		
DECIDUOUS TREE		
THERMOSIPHON		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		
DITCH RECONDITIONING		

- H = HOUSE
- G = GARAGE
- M = MERCHANT/STORE
- B = BARN
- S = SHED
- P = PRIVY
- SS = SERVICE STATION
- W = WAREHOUSE

	EXISTING	PROPOSED
SIGN POST & NUMBER		
PRIVATE SIGN		
4" WHITE SOLID STRIPE		
4" YELLOW SOLID STRIPE		
4" YELLOW SKIP STRIPE		
2' CROSSWALK OR STOPBAR		
LADDER CROSSWALK LAYOUT		

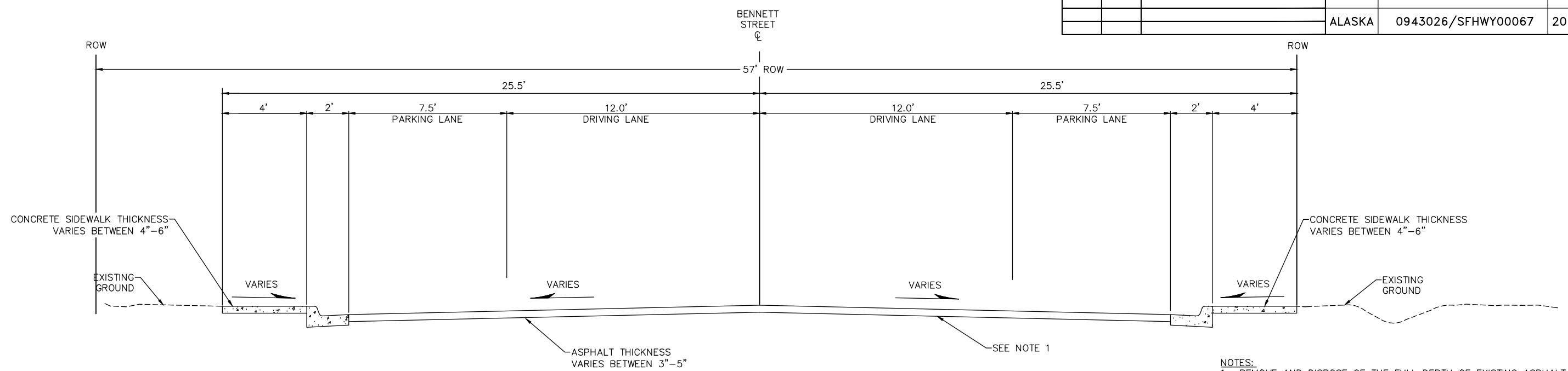
PLANS DEVELOPED BY:
DOWL, LLC
5368 COMMERCIAL BLVD,
JUNEAU, AK 99801
(907) 780-3533
#AECL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**WRANGELL - BENNETT STREET
REHABILITATION AND
AIRPORT ROAD RESURFACING**

LEGEND

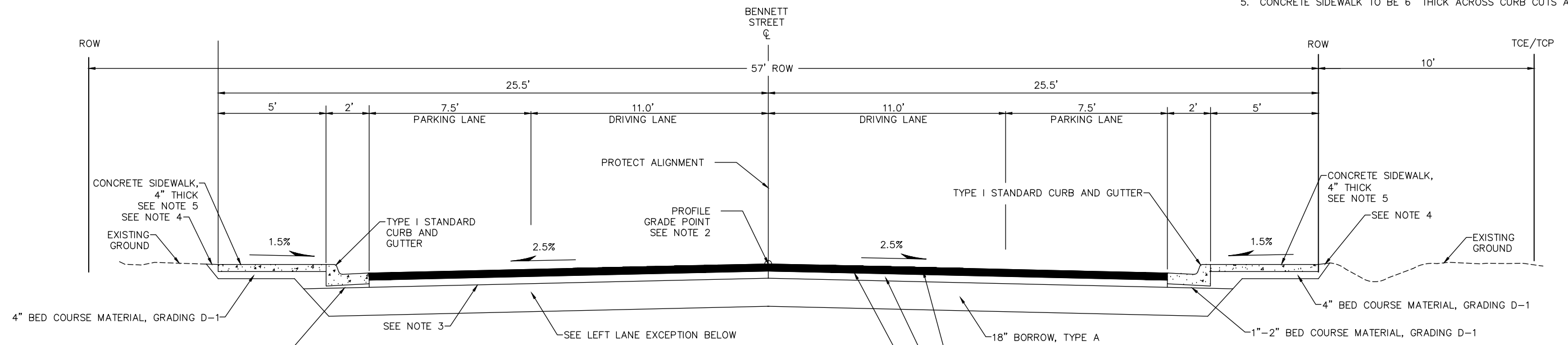
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	B1	66



EXISTING SECTION BENNETT STREET

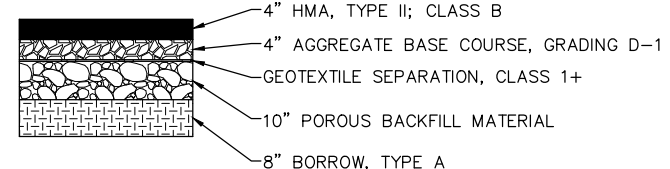
NTS
 ZIMOVIA HWY TO 2ND AVE
 (STA 10+70 TO 22+85)
 SEE NOTE 1

- NOTES:**
1. REMOVE AND DISPOSE OF THE FULL DEPTH OF EXISTING ASPHALT AND CONCRETE ROADWAY PATCHES BETWEEN APPROXIMATE STATION 10+70 AND 22+85. ASPHALT DEPTHS VARY BETWEEN 3 TO 5 INCHES AND CONCRETE PATCH DEPTHS VARY BETWEEN 6 AND 8 INCHES. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER AND SIDEWALK FROM BOTH SIDES OF THE STREET TO THE LIMITS SHOWN ON THE G SHEETS.
 2. REMOVE THE EXISTING ROAD SECTION FROM APPROXIMATE STATION 10+70 TO 22+85 AND RECONSTRUCT THE TYPICAL SECTION SHOWN FROM THE FINISHED GRADE PROFILE SHOWN ON THE F SHEETS. SEE G SHEETS FOR INTERSECTION LAYOUT.
 3. INSTALL GEOGRID BENEATH THE BASE COURSE FROM STATION 20+50 TO 22+85. SEE DETAILS ON SHEET E2.
 4. MATCH EXISTING MATERIALS WITH TOPSOIL AND SEEDING, OR AGGREGATE BASE COURSE GRADING D-1, AND GRADE TO DRAIN.
 5. CONCRETE SIDEWALK TO BE 6" THICK ACROSS CURB CUTS AND ADA LANDINGS.



1 TYPICAL SECTION BENNETT STREET

NTS
 ZIMOVIA HWY TO 2ND AVE
 (STA 10+70 TO 22+85)



LEFT LANE EXCEPTION
 (WITHIN LEFT LANE BETWEEN LIP OF GUTTER AND CENTERLINE
 FROM STA. "B" 11+90 TO 13+00)

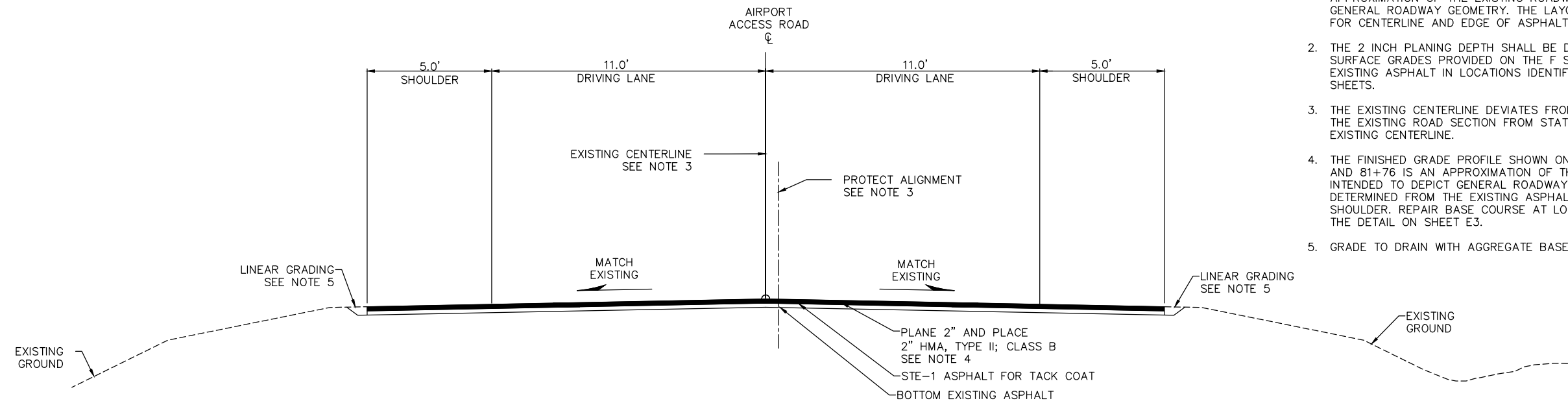
PLANS DEVELOPED BY: DOWL, LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING	TYPICAL SECTIONS
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FILE: q:\Wrg\sfhwy000067\Plans\000067_B1-B2.dwg
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 LAYOUT: B1
 DESIGNED: TAL
 CHECKED: EMV
 DRAFTED: CJS
 TOTAL SHEETS: 66

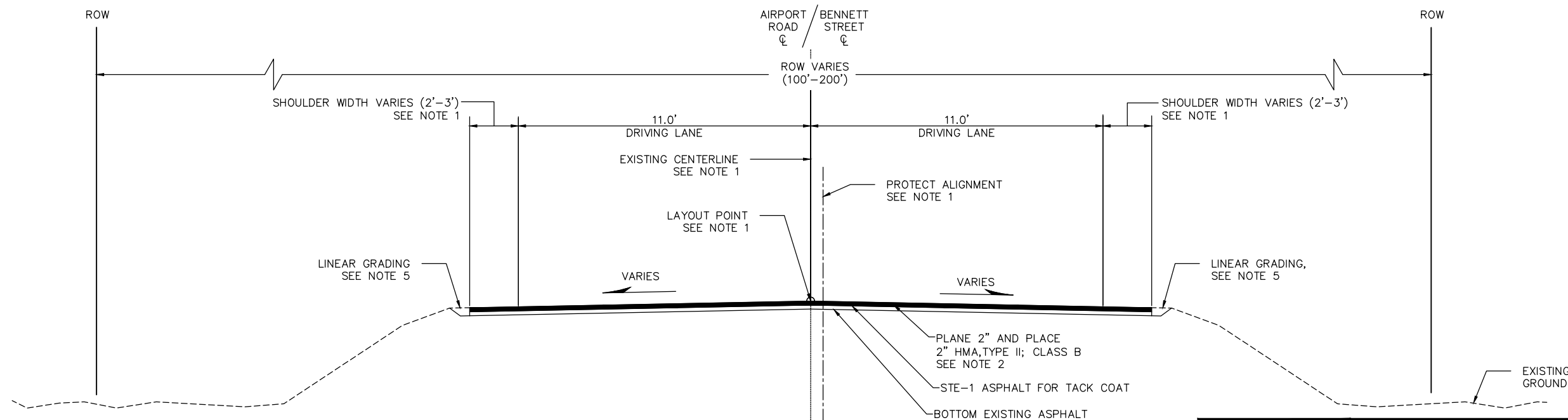
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFH00067	2018	B2	66

NOTES:

1. THE EXISTING CENTERLINE DEVIATES FROM THE PROJECT ALIGNMENT. RESURFACE THE EXISTING ROAD SECTION FROM APPROXIMATE STATION 22+85 TO 55+00 BASED ON THE LAYOUT POINTS PROVIDED ON THE F SHEETS. THE FINISHED GRADE PROFILE SHOWN ON THE F SHEETS BETWEEN STATION 22+85 AND 55+00 IS AN APPROXIMATION OF THE EXISTING ROADWAY AND IS ONLY INTENDED TO DEPICT GENERAL ROADWAY GEOMETRY. THE LAYOUT POINTS PROVIDED ON THE F SHEET FOR CENTERLINE AND EDGE OF ASPHALT SHALL GOVERN.
2. THE 2 INCH PLANING DEPTH SHALL BE DETERMINED FROM THE FINISHED ASPHALT SURFACE GRADES PROVIDED ON THE F SHEETS. REMOVE THE FULL DEPTH OF EXISTING ASPHALT IN LOCATIONS IDENTIFIED FOR BASE COURSE REPAIR ON THE F SHEETS.
3. THE EXISTING CENTERLINE DEVIATES FROM THE PROJECT ALIGNMENT. RESURFACE THE EXISTING ROAD SECTION FROM STATION 55+00 TO 81+76 BASED ON THE EXISTING CENTERLINE.
4. THE FINISHED GRADE PROFILE SHOWN ON THE F SHEETS BETWEEN STATION 55+00 AND 81+76 IS AN APPROXIMATION OF THE EXISTING ROADWAY AND IS ONLY INTENDED TO DEPICT GENERAL ROADWAY GEOMETRY. THE PLANING DEPTH SHALL BE DETERMINED FROM THE EXISTING ASPHALT ELEVATIONS AT THE CENTERLINE AND SHOULDER. REPAIR BASE COURSE AT LOCATIONS IDENTIFIED ON THE F SHEETS PER THE DETAIL ON SHEET E3.
5. GRADE TO DRAIN WITH AGGREGATE BASE COURSE, GRADING D-1.



③ TYPICAL SECTION—AIRPORT ACCESS ROAD
 NTS
 DOT&PF MAINTENANCE STATION TO EOP
 (STA 55+00 TO 81+76) SEE NOTE 3.



② TYPICAL SECTION BENNETT STREET & AIRPORT ACCESS ROAD
 NTS
 2ND AVE TO DOT&PF MAINTENANCE STATION
 (STA 22+85 TO 55+00) SEE NOTE 1

PLANS DEVELOPED BY: DOWL, LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING	TYPICAL SECTIONS
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FILE: q:\Wrg\sfhy000067\Plan\set\000067_B1-B2.dwg
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 LAYOUT: B2
 DESIGNED: TAL
 CHECKED: EMV
 DRAFTED: CJS

FILE \\dotserfs01.doi.tsoo.alaska.gov\projects\Wrg\SFHY000067\Plans\set\Xref\SA14-GN-TB-DT-62367.dwg DATE 12/21/2017 13:56 LAYOUT MODEL DESIGNED TAL CHECKED EMV DRAFTED CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFH000067	2018	C1	66

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201(1B)	CLEARING	LUMP SUM	ALL REQUIRED
201(2B)	GRUBBING	LUMP SUM	ALL REQUIRED
201(7)	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	829
202(2A)	REMOVAL OF PAVEMENT	SQUARE YARD	12,400
202(2B)	REMOVAL OF CONCRETE PAVEMENT	SQUARE YARD	150
202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	1,140
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1,870
202(8)	REMOVAL OF INLET	EACH	8
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	2,260
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	4,970
203(6A)	BORROW, TYPE A	TON	6,940
205(4)	POROUS BACKFILL MATERIAL	CUBIC YARD	105
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	3,590
303(3)	LINEAR GRADING	STATION	120
303(4)	DITCH RECONDITIONING	LINEAR FOOT	265
401(1B)	HMA, TYPE II; CLASS B	TON	6,150
401(4)	ASPHALT BINDER, GRADE PG 58-28	TON	370
401(8B)	HMA PRICE ADJUSTMENT, TYPE II; CLASS B	CONTINGENT SUM	ALL REQUIRED
401(9)	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	10
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	14,060
603(20-18)	END SECTION FOR 18 INCH PIPE	EACH	9
603(20-24)	END SECTION FOR 24 INCH PIPE	EACH	11
603(20-30)	END SECTION FOR 30 INCH PIPE	EACH	1
603(20-36)	END SECTION FOR 36 INCH PIPE	EACH	4
603(21-18)	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	1,420
603(21-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	448
603(21-30)	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	93
603(21-36)	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	184
603(22)	6 INCH STORM DRAIN LATERAL	EACH	3
604(1)	STORM SEWER MANHOLE	EACH	1
604(4)	ADJUST EXISTING MANHOLE	EACH	4
604(5)	INLET, TYPE A	EACH	12
605(7-6)	6 INCH PERFORATED PVC PIPE FOR UNDERDRAIN	LINEAR FOOT	44
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	1,060
608(1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	150
608(6)	CURB RAMP	EACH	13
609(2)	CURB AND GUTTER, TYPE I	LINEAR FOOT	2,340
615(1)	STANDARD SIGN	SQUARE FOOT	356
618(2)	SEEDING	POUND	17
620(2)	TOPSOIL	CUBIC YARD VEHICLE MEASURE	140
627(10)	ADJUSTMENT OF VALVE BOX	EACH	12
630(1)	GEOTEXTILE, SEPARATION	SQUARE YARD	265
631(1)	GEOTEXTILE, DRAINAGE, CLASS 1+	SQUARE YARD	105
634(1)	GEOGRID	SQUARE YARD	1,170
635(2)	INSULATION BOARD	SQUARE FOOT	100
639(3)	APPROACH	EACH	26
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
640(4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641(3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
641(5)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED
641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642(3)	THREE PERSON SURVEY PARTY	HOURLY	50
642(5)	SET SECONDARY MONUMENT	EACH	7
642(6)	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	4
642(10)	MONUMENT CASE	EACH	11
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643(15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
644(1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644(2)	FIELD LABORATORY	LUMP SUM	ALL REQUIRED
644(6)	VEHICLES	LUMP SUM	ALL REQUIRED
644(15)	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
645(1)	TRAINING PROGRAM, ONE TRAINEE/APPRENTICE	LABOR HOUR	300
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670(8)	RECESSED PAVEMENT MARKER	EACH	72

BASIS OF ESTIMATE

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203(6A)	BORROW, TYPE A	1.90 TN/CY
301(1)	AGGREGATE BASE COURSE, GRADING D-1	1.95 TN/CY
401(1B)	HMA, TYPE II; CLASS B	119 LB/SY-IN
401(4)	ASPHALT BINDER, GRADE PG 58-28	6.0% WEIGHT OF 401(1B)
402(1)	STE-1 ASPHALT FOR TACK COAT	0.10 GAL/SY, 240 GAL/TN
670(1)	PAINTED TRAFFIC MARKINGS	825 LF 24" WHITE 13160 LF 4" SOLID WHITE 10780 LF 4" SOLID YELLOW 1850 LF 4" SKIP YELLOW

PLANS DEVELOPED BY: DOW, LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING ESTIMATE OF QUANTITIES
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	D1	66

201(1B)		CLEARING			
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SF)	REMARKS
F5	32+30	32+90	RT	414	INCLUDES ONE 18-INCH DIAMETER EVERGREEN
TOTAL:				414	SF

201(2B)		GRUBBING			
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SF)	REMARKS
F2-F3	18+35	21+06	LT	3,017	GRASS AND SOD REMOVAL ONLY
TOTAL:				3,017	SF

201(7)		INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL			
SHEET	STATION	OFFSET	AREA (SY)	REMARKS	
P2	10+97	42.6' RT	5	REED CANARY GRASS	
P2	11+26	33.9' RT	3	REED CANARY GRASS	
P2	14+10	35.2' LT	1	ORANGE HAWKWEED	
P2	17+53	29.1' LT	1	MEADOW HAWKWEED	
P3	21+55	25.6' RT	7	MEADOW HAWKWEED	
P3	21+50	39.3' LT	18	MEADOW HAWKWEED	
P3	21+82	30.4' LT	7	ORANGE HAWKWEED	
P3	22+86	26.9' LT	35	MEADOW HAWKWEED/ORANGE HAWKWEED	
P3	24+34	13.9' LT	30	MEADOW HAWKWEED/ORANGE HAWKWEED	
P3	28+88	18.1' LT	4	MEADOW HAWKWEED	
P3	29+12	18.1' LT	37	MEADOW HAWKWEED	
P4	34+85	16.7' RT	54	MEADOW HAWKWEED	
P4	37+81	19.4' LT	1	MEADOW HAWKWEED	
P4	39+24	20.6' LT	1	MEADOW HAWKWEED	
P5	40+21	16.1' LT	1	MEADOW HAWKWEED	
P5	45+36	18.4' LT	1	MEADOW HAWKWEED	
P5	46+26	22.5' LT	1	MEADOW HAWKWEED	
P5	46+79 - 47+68	14.9' RT	37	MEADOW HAWKWEED	
P6	54+10	29.8' LT	3	MEADOW HAWKWEED	
P6	54+61	19.8' RT	4	MEADOW HAWKWEED	
P6	55+57	22.8' LT	19	MEADOW HAWKWEED	
P6	56+08	23.8' RT	12	MEADOW HAWKWEED/OXEYE DAISY	
P6	56+88	22.7' LT	3	MEADOW HAWKWEED	
P7	58+14	24.0' LT	240	MEADOW HAWKWEED	
P7	58+96	13.7' RT	37	MEADOW HAWKWEED	
P7	60+08	19.1' RT	1	OXEYE DAISY	
P7	62+75	18.6' RT	1	MEADOW HAWKWEED/OXEYE DAISY	
P7	62+76	18.3' RT	1	OXEYE DAISY	
P8	72+39	11.8' RT	3	ORANGE HAWKWEED	
P9	73+71	33.0' RT	95	MEADOW HAWKWEED	
P9	74+03	17.6' LT	74	MEADOW HAWKWEED	
P9	76+53	9.1' RT	1	MEADOW HAWKWEED	
P9	76+93	17.0' RT	1	MEADOW HAWKWEED	
P9	77+98	12.3' LT	85	MEADOW HAWKWEED	
P9	80+28	4.2' LT	5	MEADOW HAWKWEED/REED CANARY GRASS	
TOTAL:			829	SY	

202(2A)		REMOVAL OF PAVEMENT			
SHEET	FROM STATION	TO STATION	AREA (SY)	REMARKS	
F1	10+89	14+25	1,418	ROADWAY - URBAN	
F2	14+25	19+50	2,324	ROADWAY - URBAN	
F3	19+50	22+85	1,410	ROADWAY - URBAN	
F3	22+85	23+50	228	BASE COURSE REPAIR AREA	
F3-F4	24+40	26+25	584	BASE COURSE REPAIR AREA	
F4-F5	26+25	31+75	1,665	BASE COURSE REPAIR AREA	
F5	32+50	33+25	242	BASE COURSE REPAIR AREA	
F6	35+11	37+50	749	BASE COURSE REPAIR AREA	
F6	39+14	40+00	276	BASE COURSE REPAIR AREA	
F8	45+27	45+55	89	BASE COURSE REPAIR AREA	
F8-F9	48+55	51+50	1,103	BASE COURSE REPAIR AREA	
F9	53+18	53+44	81	BASE COURSE REPAIR AREA	
F14	71+50	72+00	89	BASE COURSE REPAIR AREA	
F16	79+80	81+76	633	BASE COURSE REPAIR AREA	
F1-F16	10+71	77+89	1,501	APPROACHES	
TOTAL:			12,392	SY	
ROUNDED TOTAL:			12,400	SY	

202(2B)		REMOVAL OF CONCRETE PAVEMENT			
SHEET	FROM STATION	TO STATION	AREA (SY)	REMARKS	
F1	11+90	12+32	65		
F3	22+28	22+33	39		
F3	22+41	22+65	39		
TOTAL:			143	SY	
ROUNDED TOTAL:			150	SY	

202(3)		REMOVAL OF SIDEWALK			
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F1	10+65	10+86	RT	22	
F1-F2	10+70	14+65	LT	175	
F1-F2	10+86	14+60	RT	179	
F2	14+90	18+43	LT	236	
F2	14+92	18+43	RT	183	
F2-F3	18+75	22+23	LT	180	
F2-F3	18+72	22+23	RT	180	
TOTAL:				1,133	SY
ROUNDED TOTAL:				1,140	SY

PLANS DEVELOPED BY: DOWL, LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING SUMMARY TABLES
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 LAYOUT D2
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 TOTAL SHEETS 66

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWY00067	2018	D2	66

202(4)		REMOVAL OF CULVERT PIPE				
SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F1	10+91	43.3' RT	11+14	49.9' RT	39	18" CMP
F1	11+07	24.2' LT	11+33	20.1' RT	51	18" CMP
F1	11+19	38.0' RT	11+33	21.5' RT	22	18" CMP
F1-F2	11+34	20.9' RT	15+03	20.8' RT	369	18" CMP
F2	15+05	20.3' RT	15+05	19.2' LT	40	18" CMP
F2	15+06	20.8' RT	18+83	21.0' RT	378	18" CMP
F2	18+85	20.4' RT	18+85	19.5' LT	40	18" CMP
F3	22+11	19.6' LT	22+11	20.1' RT	40	18" CMP
F3	22+11	21.3' RT	22+11	39.7' RT	18	18" CMP
F3	22+79	53.5' LT	22+81	32.7' RT	86	24" CMP
F3	23+91	33.2' LT	24+41	33.6' LT	50	18" CMP
F3	24+88	36.7' LT	24+41	43.9' RT	93	30" CMP
F4	25+07	33.8' LT	25+51	29.8' LT	43	18" CMP
F4	25+85	29.4' LT	26+33	30.6' LT	48	18" CMP
F4	29+46	48.6' LT	28+77	41.3' RT	113	36" CMP
F5	31+57	38.4' RT	32+33	36.7' RT	78	24" CMP
F8	45+45	32.7' LT	45+35	37.0' RT	70	36" CMP
F8	49+04	31.8' LT	48+99	38.3' RT	67	24" CMP
F9	53+42	32.3' LT	53+20	31.8' RT	68	24" CMP
F14	68+36	32.0' RT	69+28	31.8' RT	89	24" CMP
F16	77+23	27.4' RT	77+89	31.6' RT	68	24" CMP
TOTAL:					1,870	LF

203(3)		UNCLASSIFIED EXCAVATION				
SHEET	FROM STATION	TO STATION	AREA (SF)	DEPTH (FT)	VOLUME (CY)	REMARKS
F1	10+71	14+25	14,148	1.83	1,057	ROADWAY
F2	14+25	19+50	19,425	1.83	1,451	ROADWAY
F3	19+50	22+85	12,277	1.83	918	ROADWAY
F1-F3	11+89	13+00	2,051	0.83	70	POROUS BACKFILL
F1-F3	10+65	22+30	4,659	0.33	350	CURB AND GUTTER
F1-F3	10+66	22+28	8,582	0.33	123	4 INCH SIDEWALK
F1-F3	12+51	21+43	1,329	0.33	21	6 INCH SIDEWALK
F1-F3	10+70	22+30	1,129	0.33	16	CURB RAMPS
F3	22+85	23+50	2,047	0.50	42	BASE COURSE REPAIR AREA
F3-F4	24+40	26+25	5,257	0.50	108	BASE COURSE REPAIR AREA
F4-F5	26+65	31+75	15,019	0.50	306	BASE COURSE REPAIR AREA
F5	32+50	33+25	2,172	0.50	45	BASE COURSE REPAIR AREA
F6	35+11	37+50	6,740	0.50	138	BASE COURSE REPAIR AREA
F6	39+14	40+00	2,484	0.50	51	BASE COURSE REPAIR AREA
F8	45+27	45+55	799	0.50	17	BASE COURSE REPAIR AREA
F8-F9	48+55	51+50	8,484	0.50	173	BASE COURSE REPAIR AREA
F9	53+18	53+44	723	0.50	15	BASE COURSE REPAIR AREA
F14	71+50	72+00	800	0.50	17	BASE COURSE REPAIR AREA
F16	79+80	81+76	5,694	0.50	116	BASE COURSE REPAIR AREA
TOTAL:					4,964	CY
ROUNDED TOTAL:					4,970	CY

202(8)		REMOVAL OF INLET		
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	11+06	25.2' LT	1	
F1	11+33	20.7' RT	1	
F2	15+05	20.7' RT	1	
F2	15+05	19.8' LT	1	
F2	18+85	20.0' LT	1	
F2	18+85	20.7' RT	1	
F3	22+11	20.8' RT	1	
F3	22+11	20.0' LT	1	
TOTAL:			8	EA

203(6A)		BORROW, TYPE A				
SHEET	FROM STATION	TO STATION	OFFSET	VOLUME (CY)	WEIGHT (TON)	REMARKS
F1	10+71	14+25	CL	822	2,030	ROADWAY
F2	14+25	19+50	CL	1,319	3,007	ROADWAY
F3	19+50	22+85	CL	834	1,901	ROADWAY
TOTAL:					6,938	TON
ROUNDED TOTAL:					6,940	TON

202(9)		REMOVAL OF CURB AND GUTTER				
SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F1	10+65	56.1' RT	10+86	34.4' RT	29	
F1	10+70	51.0' LT	14+66	33.8' LT	409	
F1	11+14	31.4' RT	14+62	27.7' RT	354	
F1-F2	14+90	31.8' LT	18+43	28.1' LT	388	
F1-F2	14+92	31.1' RT	18+43	30.8' RT	369	
F2-F3	18+72	31.2' RT	22+23	30.7' RT	355	
F2-F3	18+75	30.7' LT	22+23	30.1' LT	353	
TOTAL:					2,257	LF
ROUNDED TOTAL:					2,260	LF

205(4)		POROUS BACKFILL MATERIAL					
SHEET	FROM STATION	TO STATION	OFFSET	WIDTH (FT)	DEPTH (FT)	VOLUME (CY)	REMARKS
F1	11+90	13+00	LT	18.5	0.83	69	ROADWAY
F1	11+92	11+92	LT/RT	2.5	7.75	34	P-5
TOTAL:						103	CY
ROUNDED TOTAL:						105	CY

PLANS DEVELOPED BY: DOW, LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING	SUMMARY TABLES
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	D3	66

301(1)		AGGREGATE BASE COURSE, GRADING D-1					
SHEET	FROM STATION	TO STATION	AREA (SF)	DEPTH (FT)	VOLUME (CY)	WEIGHT (TON)	REMARKS
F1	10+71	14+25	14,148	0.33	175	375	ROADWAY
F2	14+25	19+50	19,425	0.33	240	515	ROADWAY
F3	19+50	22+85	12,277	0.33	152	326	ROADWAY
F1-F3	10+19	22+14	1,380	0.33	14	30	CURB RAMPS
F1-F3	10+97	22+05	9,126	0.33	106	233	4 INCH SIDEWALK
F1-F3	12+51	21+43	846	0.33	16	39	6 INCH SIDEWALK
F1-F3	10+15	22+28	4,678	0.33	29	65	CURB AND GUTTER
F3	22+85	23+50	2,047	0.50	38	82	BASE COURSE REPAIR AREA
F3-F4	24+40	26+25	5,257	0.50	97	209	BASE COURSE REPAIR AREA
F4-F5	26+65	31+75	15,019	0.50	278	597	BASE COURSE REPAIR AREA
F5	32+50	33+25	2,172	0.50	40	87	BASE COURSE REPAIR AREA
F6	35+11	37+50	6,740	0.50	125	268	BASE COURSE REPAIR AREA
F6	39+14	40+00	2,484	0.50	46	99	BASE COURSE REPAIR AREA
F8	45+27	45+55	799	0.50	15	32	BASE COURSE REPAIR AREA
F8-F9	48+55	51+50	8,484	0.50	157	338	BASE COURSE REPAIR AREA
F9	53+18	53+44	723	0.50	13	29	BASE COURSE REPAIR AREA
F14	71+50	72+00	800	0.50	15	32	BASE COURSE REPAIR AREA
F16	79+80	81+76	5,694	0.50	105	227	BASE COURSE REPAIR AREA
TOTAL:						3,583	TON
ROUNDED TOTAL:						3,590	TON

408(1)		PAVEMENT COLD PLANING			
SHEET	FROM STATION	TO STATION	AREA (SY)	REMARKS	
F3	23+50	24+40	307		
F4	26+25	26+65	128		
F5	31+75	32+50	240		
F5-F6	33+25	35+11	593		
F6	37+50	39+14	522		
F7-F8	40+00	45+27	1,683		
F8	45+55	48+55	967		
F9	51+50	53+19	379		
F9-F16	53+44	79+80	9,236		
TOTAL:			14,055	SY	
ROUNDED TOTAL:			14,060	SY	

303(3)		LINEAR GRADING			
SHEET	TO STATION	FROM STATION	OFFSET	LENGTH (STA)	NOTES
F3-F16	22+85	82+12	LT/RT	119	
TOTAL:				119	STA
ROUNDED TOTAL:				120	STA

303(4)		DITCH RECONDITIONING			
SHEET	TO STATION	FROM STATION	OFFSET	LENGTH (LF)	NOTES
F3	22+81	23+96	LT	115	
F3	24+44	24+85	LT	41	
F3-F4	24+89	25+04	LT	15	
F4	25+52	25+83	LT	30	
F4	26+35	26+99	LT	63	
TOTAL:				264	LF
ROUNDED TOTAL:				265	LF

401(1B)		HMA, TYPE II; CLASS B					
SHEET	FROM STATION	TO STATION	AREA (SF)	DEPTH (FT)	VOLUME (CY)	WEIGHT (TON)	REMARKS
F1	10+71	14+25	14,148	0.33	157	370	ROADWAY - URBAN
F2	14+25	19+50	19,425	0.33	240	566	ROADWAY - URBAN
F3	19+50	22+85	12,277	0.33	152	358	ROADWAY - URBAN
F3	22+85	23+50	2,047	0.17	13	30	BASE COURSE REPAIR AREA - BOTTOM LIFT
F3	22+85	25+00	6,020	0.17	37	88	ROADWAY - TOP LIFT
F3-F4	24+40	26+25	5,257	0.17	32	77	BASE COURSE REPAIR AREA - BOTTOM LIFT
F4	25+00	30+00	14,000	0.17	86	204	ROADWAY - TOP LIFT
F4-F5	26+65	31+75	15,019	0.17	278	656	BASE COURSE REPAIR AREA - BOTTOM LIFT
F5	30+00	35+00	14,000	0.17	86	204	ROADWAY - TOP LIFT
F5	32+50	33+25	2,172	0.17	40	95	BASE COURSE REPAIR AREA - BOTTOM LIFT
F6	35+00	40+00	14,000	0.17	86	204	ROADWAY - TOP LIFT
F6	35+11	37+50	6,740	0.17	125	295	BASE COURSE REPAIR AREA - BOTTOM LIFT
F6	39+14	40+00	2,484	0.17	46	109	BASE COURSE REPAIR AREA - BOTTOM LIFT
F7	40+00	45+00	14,000	0.17	86	204	ROADWAY - TOP LIFT
F8	45+00	50+00	14,000	0.17	86	204	ROADWAY - TOP LIFT
F8	45+27	45+55	799	0.17	15	35	BASE COURSE REPAIR AREA - BOTTOM LIFT
F8-F9	48+55	51+50	9,922	0.17	184	433	BASE COURSE REPAIR AREA - BOTTOM LIFT
F9	50+00	54+00	11,200	0.17	69	163	ROADWAY - TOP LIFT
F9	53+18	53+44	723	0.17	13	32	BASE COURSE REPAIR AREA - BOTTOM LIFT
F10	54+00	57+00	9,506	0.17	59	139	ROADWAY - TOP LIFT
F11	57+00	61+00	12,928	0.17	80	189	ROADWAY - TOP LIFT
F12	61+00	65+00	12,780	0.17	79	186	ROADWAY - TOP LIFT
F13	65+00	68+00	9,558	0.17	59	140	ROADWAY - TOP LIFT
F14	68+00	73+00	15,910	0.17	98	232	ROADWAY - TOP LIFT
F14	71+50	72+00	800	0.17	15	35	BASE COURSE REPAIR AREA - BOTTOM LIFT
F15	73+00	77+00	12,707	0.17	78	185	ROADWAY - TOP LIFT
F16	77+00	82+12	15,665	0.17	97	228	ROADWAY - TOP LIFT
F16	79+80	82+12	5,694	0.17	105	249	BASE COURSE REPAIR AREA - BOTTOM LIFT
F1-F16	10+83	77+91	15,485	0.17	96	226	APPROACHES
F1-F2	12+60	18+00	18+00	0.17	3	9	DRIVEWAY TIE-INS BEHIND CURB CUT
TOTAL:						6,145	TON
ROUNDED TOTAL:						6,150	TON

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	D4	66

603(21-18)		18 INCH CORRUGATED POLYETHYLENE PIPE											
				INLET				OUTLET					
SHEET	PIPE ID	SIZE (IN)	GRADE	STATION	OFFSET	INVERT (FT)	STRUCTURE	STATION	OFFSET	INVERT (FT)	STRUCTURE	LENGTH (LF)	REMARKS
F1	P-1	18	5.41%	11+14	49.9' RT	74.98'	END SECTION	10+91	43.3' RT	72.87'	END SECTION	40	SEE NOTE 1
F1	P-2	18	3.31%	11+36	19.5' RT	70.69'	S-2	11+00	24.3' LT	68.88'	S-1	55	
F1	P-3	18	10.56%	11+19	25.8' RT	NOTE 2	EXISTING CMP	11+36	19.5' RT	70.82'	S-2	10	CONNECT TO EXISTING PIPE AT ROW
F1	P-4	18	5.72%	11+92	19.5' RT	74.50'	S-3	11+36	19.5' RT	71.31'	S-2	56	
F1	P-6	18	7.01%	13+72	19.5' RT	87.70'	S-4	11+92	19.5' RT	75.10'	S-3	180	
F1-F2	P-7	18	6.88%	15+16	19.5' RT	97.74'	S-5	13+72	19.5' RT	87.80'	S-4	145	
F2	P-8	18	2.23%	15+16	19.5' LT	100.72'	S-6	15+16	19.5' RT	99.85'	S-5	39	
F2	P-9	18	4.93%	17+10	19.5' RT	107.68'	S-7	15+16	19.5' RT	98.13'	S-5	194	
F2	P-10	18	0.99%	18+86	19.5' RT	109.52'	S-8	17+10	19.5' RT	107.78'	S-7	176	
F2	P-11	18	2.92%	18+86	19.5' LT	110.44'	S-9	18+86	19.5' RT	109.33'	S-8	38	
F2-F3	P-12	18	1.01%	20+20	19.5' RT	110.97'	S-10	18+86	19.5' RT	109.62'	S-8	134	
F3	P-13	18	1.00%	21+58	19.5' RT	112.45'	S-11	20+20	19.5' RT	111.07'	S-10	138	
F3	P-14	18	3.00%	21+58	19.5' LT	112.16'	S-12	21+58	19.5' RT	111.05'	S-11	37	
F3	P-15	18	9.32%	22+29	47.3' LT	116.00'	S-13	22+72	47.2' LT	112.00'	END SECTION	43	
F3	P-17	18	2.28%	23+99	33.3' LT	111.72'	END SECTION	24+41	33.5' LT	110.74'	END SECTION	43	SEE NOTE 1
F4	P-19	18	6.04%	25+51	29.7' LT	112.24'	END SECTION	25+07	33.8' LT	109.65'	END SECTION	44	SEE NOTE 1 & 2
F4	P-20	18	2.07%	26+33	30.7' LT	113.04'	END SECTION	25+85	29.4' LT	112.05'	END SECTION	48	SEE NOTE 1
TOTAL:												1,420	LF

- 1.) REPLACE EXISTING CMP WITH CPP AT SAME LINE AND GRADE.
- 2.) FIELD VERIFY INLET INVERT ELEVATION PRIOR TO CONSTRUCTION.

603(21-24)		24 INCH CORRUGATED POLYETHYLENE PIPE											
				INLET				OUTLET					
SHEET	PIPE ID	SIZE (IN)	GRADE	STATION	OFFSET	INVERT (FT)	STRUCTURE	STATION	OFFSET	INVERT (FT)	STRUCTURE	LENGTH (LF)	REMARKS
F3	P-16	24	4.20%	22+79	40.9' LT	108.63'	MH	22+81	32.7' RT	105.56'	END SECTION	74	SEE NOTES 1 AND 2
F5	P-22	24	5.29%	32+33	36.7' RT	132.39'	END SECTION	31+57	38.4' RT	128.26'	END SECTION	78	SEE NOTE 2
F8	P-24	24	4.60%	49+05	31.8' LT	109.00'	END SECTION	48+96	38.3' RT	105.74'	END SECTION	71	SEE NOTE 2
F9	P-25	24	5.90%	53+42	32.3' LT	104.38'	END SECTION	53+20	31.8' RT	100.36'	END SECTION	68	SEE NOTE 2
F14	P-26	24	0.78%	68+35	32.0' RT	39.30'	END SECTION	69+13	32.1' RT	38.16'	END SECTION	89	SEE NOTE 2
F16	P-27	24	6.41%	77+89	31.6' RT	63.10'	END SECTION	77+23	27.4' RT	58.74'	END SECTION	68	SEE NOTE 2
TOTAL:												448	LF

- 1.) CULVERT PASSES THROUGH AN EXISTING CONFLICT MANHOLE AT 22+78.8, 40.9' LT. DISCONTINUE CULVERT ACROSS MANHOLE AND CTE ON EITHER SIDE OF STRUCTURE.
- 2.) REPLACE EXISTING CMP WITH CPP AT SAME LINE AND GRADE.
- 3.) FIELD VERIFY INLET INVERT ELEVATION PRIOR TO CONSTRUCTION.

603(21-30)		30 INCH CORRUGATED POLYETHYLENE PIPE											
				INLET				OUTLET					
SHEET	PIPE ID	SIZE (IN)	GRADE	STATION	OFFSET	INVERT (FT)	STRUCTURE	STATION	OFFSET	INVERT (FT)	STRUCTURE	LENGTH (LF)	REMARKS
F3	P-18	30	3.12%	24+88	36.7' LT	104.44'	EXIST 48" MH	24+41	43.9' RT	101.54'	END SECTION	93	CTE 48" MH AT INLET, SEE NOTE 1
TOTAL:												93	LF

- 1.) REPLACE EXISTING CMP WITH CPP AT SAME LINE AND GRADE.

603(21-36)		36 INCH CORRUGATED POLYETHYLENE PIPE											
				INLET				OUTLET					
SHEET	PIPE ID	SIZE (IN)	GRADE	STATION	OFFSET	INVERT (FT)	STRUCTURE	STATION	OFFSET	INVERT (FT)	STRUCTURE	LENGTH (LF)	REMARKS
F4	P-21	36	2.40%	29+46	48.6' LT	112.49'	END SECTION	28+77	41.3' RT	109.75'	END SECTION	114	SEE NOTE 1
F8	P-23	36	2.74%	45+45	32.7' LT	112.39'	END SECTION	45+36	37.0' RT	110.47'	END SECTION	70	SEE NOTE 1
TOTAL:												184	LF

- 1.) REPLACE EXISTING CMP WITH CPP AT SAME LINE AND GRADE.

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 LAYOUT: D5
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWY00067	2018	D5	66

603(22) 6 INCH STORM DRAIN LATERAL												
INLET						OUTLET						
SHEET	GRADE	STATION	OFFSET	INVERT	STRUCTURE	STATION	OFFSET	INVERT	STRUCTURE	LENGTH (LF)	QUANTITY	REMARKS
F2	1.00%	15+06	27.5' LT	101.84	-	15+16	18.5' LT	101.72	S-6	13.2	1	CTE 18" CMP INLET STRUCTURE
F2	1.00%	16+36	25.5' RT	105.47	-	16+36	18.5' RT	105.4	SADDLE TEE	7.0	1	ADJUST SADDLE TEE LOCATION AS REQUIRED TO CTE MEDICAL CENTER ROOF DRAIN
F2	-	18+90	31.2' LT	-	-	18+86	18.5' LT	111.44	S-9	12.4	1	CTE 6" PVC DRAIN AT ROW. ADJUST PIPE GRADE AS REQUIRED.
TOTAL:											3	EA

604(1) STORM SEWER MANHOLE							
SHEET	STRUCTURE ID	STATION	OFFSET	GRATE ELEVATION	TYPE	QUANTITY	REMARKS
F1	S-1	11+00	24.9' LT	75.49'	CURB INLET	1	CUSTOM HOOD
TOTAL:						1	EA

604(4) ADJUST EXISTING MANHOLE				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	10+99	6.6' LT	1	SANITARY SEWER
F2	14+75	27.7' RT	1	SANITARY SEWER
F2	18+59	36.7' RT	1	SANITARY SEWER
F3	22+43	38.8' LT	1	SANITARY SEWER
TOTAL:			4	EA

604(5) INLET, TYPE A							
SHEET	STRUCTURE ID	STATION	OFFSET	GRATE ELEVATION	TYPE	QUANTITY	REMARKS
F1	S-2	11+36	19.5' RT	77.87'	CURB INLET	1	
F1	S-3	11+92	19.5' RT	82.04'	CURB INLET	1	
F1	S-4	13+72	19.5' RT	95.22'	CURB INLET	1	
F2	S-5	15+16	19.5' RT	105.15'	CURB INLET	1	
F2	S-6	15+16	19.5' LT	105.15'	CURB INLET	1	
F2	S-7	17+10	19.5' RT	113.41'	CURB INLET	1	
F2	S-8	18+86	19.5' RT	116.48'	CURB INLET	1	
F2	S-9	18+86	19.5' LT	116.28'	CURB INLET	1	
F3	S-10	20+20	19.5' RT	117.78'	CURB INLET	1	
F3	S-11	21+58	19.5' RT	117.29'	CURB INLET	1	
F3	S-12	21+58	19.5' LT	117.05'	CURB INLET	1	
F3	S-13	22+29	47.3' LT	116.84'	FIELD INLET	1	
TOTAL:						12	EA

605(7-6) 6 INCH PERFORATED PVC PIPE FOR UNDERDRAIN											
INLET						OUTLET					
SHEET	PIPE ID	SIZE (IN)	GRADE	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT	LENGTH (LF)	REMARKS
F1	P-5	6	2.00%	11+92	25.5' LT	75.88	11+92	18.5' RT	75.00	44	CONNECT TO S-3
TOTAL:										44	LF

608(1A) CONCRETE SIDEWALK, 4 INCHES THICK						
SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	AREA (SY)	REMARKS
F1	10+68	60.4' RT	10+72	53.4' RT	4	
F1	10+71	49.0' LT	10+73	42.8' LT	4	
F1	10+81	39.9' RT	10+85	37.5' RT	4	
F1	11+11	25.7' LT	12+51	23.0' LT	77	
F1	11+35	23.0' RT	13+39	23.0' RT	113	
F1-F2	13+07	23.0' LT	14+50	23.0' LT	79	
F1-F2	13+70	23.0' RT	14+45	23.0' RT	42	
F2	14+63	34.8' LT	14+65	42.7' LT	3	
F2	15+14	23.0' LT	16+11	23.0' LT	53	
F2	15+15	23.0' RT	15+95	23.0' RT	45	
F2	16+36	23.0' RT	17+77	23.0' RT	78	
F2	16+43	23.0' LT	17+27	23.0' LT	46	
F2	17+53	23.0' LT	18+65	23.0' LT	63	
F2	18+13	23.0' RT	18+24	23.0' RT	63	
F2-F3	18+82	23.0' LT	20+99	23.0' LT	121	
F2-F3	18+84	23.0' RT	22+05	23.0' RT	179	
F3	21+43	23.0' LT	22+05	23.0' LT	34	
F1-F3	12+75	--	20+50	--	48	DRIVEWAY TIE-INS BEHIND CURB CUT
TOTAL:					1,056	SY
ROUNDED TOTAL:					1,060	SY

608(1B) CONCRETE SIDEWALK, 6 INCHES THICK						
SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	AREA (SY)	REMARKS
F1	12+51	23.0' LT	13+07	23.0' LT	31	
F1	13+39	23.0' RT	13+70	23.0' RT	17	
F2	15+95	23.0' RT	16+36	23.0' RT	23	
F2	16+11	23.0' LT	16+43	23.0' LT	18	
F2	17+27	23.0' LT	17+53	23.0' LT	14	
F2	17+77	23.0' RT	18+13	23.0' RT	20	
F3	20+99	23.0' LT	21+43	23.0' LT	24	
TOTAL:					147	SY
ROUNDED TOTAL:					150	SY

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 LAYOUT D6
 DESIGNED TAL
 CHECKED EMV
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 TOTAL SHEETS 66

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	D6	66

608(6) CURB RAMP					
SHEET	STATION	OFFSET	TYPE	QUANTITY (EA)	REMARKS
F1	10+76	RT	PARALLEL	1	
F1	10+92	RT	PARALLEL	1	
F1	10+81	LT	PARALLEL	1	
F1	11+17	RT	PARALLEL	1	
F1	14+55	RT	UNIDIRECTIONAL	1	
F1	14+59	LT	PARALLEL	1	
F1	14+96	RT	PARALLEL	1	
F1	14+96	LT	PARALLEL	1	
F2	18+32	RT	UNIDIRECTIONAL	1	
F2	18+74	LT	PARALLEL	1	
F2	18+74	RT	PARALLEL	1	
F3	22+14	LT	PARALLEL	1	
F3	22+14	RT	PARALLEL	1	
TOTAL:				13	EA

627(10) ADJUSTMENT OF VALVE BOX				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	10+76	9' RT	1	
F1	11+01	36' RT	1	
F2	14+65	28' LT	1	
F2	14+67	25' LT	1	
F2	14+68	34' LT	1	
F2	14+72	27' LT	1	
F2	17+67	5' LT	1	
F2	17+68	21' LT	1	
F2	18+42	24' LT	1	
F3	22+49	29' LT	1	
F3	22+50	30' LT	1	
F3	22+52	30' LT	1	
TOTAL:			12	EA

609(2) CURB AND GUTTER, TYPE I						
SHEET	FROM STATION	OFFSET	TO STATION	OFFSET	LENGTH (LF)	REMARKS
F1	10+65	58.5' RT	10+96	37.0' RT	53	
F1-F2	10+66	47.7' LT	14+69	42.5' LT	412	
F1-F2	11+13	32.4' RT	14+65	32.7' RT	367	
F2-F3	14+89	32.7' RT	18+42	32.8' RT	367	
F2-F3	14+89	42.5' LT	22+30	31.9' LT	763	
F2-F3	18+66	32.8' RT	22+30	32.0' RT	378	
TOTAL:					2,340	LF

620(2) TOPSOIL						
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	VOLUME (CYM)	REMARKS
F1	10+71	10+94	RT	5	1	4" DEPTH
F1-F2	10+73	14+63	LT	49	5	4" DEPTH
F1-F2	11+18	14+60	RT	43	5	4" DEPTH
F2	14+96	18+38	RT	43	5	4" DEPTH
F2-F3	14+97	22+23	LT	90	10	4" DEPTH
F2-F3	18+35	21+06	LT	369	103	10" DEPTH
F2-F3	18+73	22+16	RT	43	5	4" DEPTH
TOTAL:					134	CYVM
ROUNDED TOTAL:					140	CYVM

618(2) SEEDING				
SHEET	FROM STATION	TO STATION	WEIGHT (LB)	REMARKS
F1	10+71	10+94	0.10	
F1-F2	10+73	14+63	0.89	
F1-F2	11+18	14+60	0.78	
F2	14+96	18+38	0.77	
F2-F3	14+97	22+23	1.61	
F2-F3	18+35	21+06	6.64	
F2-F3	18+73	22+16	0.78	
F3	22+81	23+96	2.28	DITCH RECONDITIONING AREA
F3	24+44	24+85	0.81	DITCH RECONDITIONING AREA
F3-F4	24+89	25+04	0.30	DITCH RECONDITIONING AREA
F4	25+52	25+83	0.59	DITCH RECONDITIONING AREA
F4	26+35	26+99	1.25	DITCH RECONDITIONING AREA
TOTAL:			16.78	LB
ROUNDED TOTAL:			17	LB

630(1) GEOTEXTILE, SEPARATION					
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F1	11+88	13+02	LT/RT	234	ROADWAY POROUS BACKFILL
F3	21+51	21+65	LT	29	S-12
TOTAL:				263	SY
ROUNDED TOTAL:				265	SY

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWY00067	2018	D7	66

631(1) GEOTEXTILE, DRAINAGE, CLASS 1+					
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F1	11+92	11+92	LT/RT	102	P-5
TOTAL:				102	SY
ROUNDED TOTAL:				105	SY

635(2) INSULATION BOARD				
SHEET	FROM STATION	OFFSET	AREA (SF)	REMARKS
F1	11+02	44.8' RT	16	P-1
F1	11+17	10.5' LT	16	P-2
F1	11+92	22.0' LT	16	P-5
F2	14+66	19.6' RT	16	P-7
F2	17+68	19.5' RT	16	P-10
F2	18+42	19.5' RT	16	P-10
TOTAL:			96	SF
ROUNDED TOTAL:			100	SF

634(1) GEOGRID					
SHEET	FROM STATION	TO STATION	OFFSET	AREA (SY)	REMARKS
F3	20+50	22+85	LT	1,110	BENNETT ST
F3	21+41	21+75	LT	51	S-12
TOTAL:				1,161	SY
ROUNDED TOTAL:				1,170	SY

639(3) APPROACH										
SHEET	STATION	OFFSET	TYPE			RADIUS R1 (FT)	RADIUS R2 (FT)	WIDTH (FT)	QUANTITY (EA)	REMARKS
			PUBLIC (EA)	RES. (EA)	COMM. (EA)					
F1	10+70	CT	1			27.7	31.0	57.4	1	ZIMOVIA HWY
F1	11+05	RT	1			27.7	13.5	22.8	1	WRANGELL AVE
F1	12+64	LT		1		CURB CUT	CURB CUT	13.7	1	MTE ASPHALT DRIVEWAY AT 7.5' BEHIND BACK OF SIDEWALK
F1	12+95	LT		1		CURB CUT	CURB CUT	14.1	1	5' ASPHALT DRIVEWAY APRON
F1	13+62	RT		1		CURB CUT	CURB CUT	18.7	1	CTE CONCRETE SIDEWALK AND CONSTRUCT 5'X15' ASPHALT DRIVEWAY APRON
F2	14+77	RT	1			13.5	13.5	24.0	1	REID ST
F2	14+77	LT	1			13.5	18.3	20.5	1	REID ST
F2	16+15	RT			1	CURB CUT	CURB CUT	27.5	1	CTE CONCRETE SIDEWALK AND CONSTRUCT 5' ASPHALT DRIVEWAY APRON
F2	16+27	LT		1		CURB CUT	CURB CUT	20.0	1	5' ASPHALT DRIVEWAY APRON
F2	17+40	LT		1		CURB CUT	CURB CUT	14.0	1	5' ASPHALT DRIVEWAY APRON
F2	17+95	RT			1	CURB CUT	CURB CUT	24.0	1	5' ASPHALT DRIVEWAY APRON
F2	18+54	RT	1			13.5	13.5	24.0	1	FIRST AVE
F3	21+21	LT		1		CURB CUT	CURB CUT	32.0	1	CTE ASPHALT DRIVEWAY AT 15' BEHIND BACK OF SIDEWALK
F3	22+42	RT	1			13.5	20.0	24.0	1	SECOND AVE
F3	22+46	LT	1			20.0	13.5	29.6	1	SECOND AVE
F3	24+17	LT	1			12.0	32.0	25.3	1	HOWELL AVE
F4	25+37	LT		1		29.6	13.4	21.6	1	DRIVEWAY
F4	26+09	LT	1			21.9	20.9	29.9	1	THIRD AVE
F4	27+22	LT			1	32.0	32.0	32.6	1	DRIVEWAY
F4	28+36	LT			1	20.0	42.0	37.7	1	DRIVEWAY
F5	31+95	RT	1			56.7	32.7	30.6	1	ISHIYAMA DR
F10	54+90	LT			1	32.7	50.7	19.6	1	DOT&PF M&O ACCESS
F10	55+24	RT			1	66.8	23.6	67.7	1	AIRPORT ACCESS
F14	68+83	RT	1			38.3	43.3	28.5	1	AIRPORT ACCESS
F15	73+85	RT	1			16.2	35.1	31.8	1	AIRPORT ACCESS
F16	77+59	RT			1	35.7	65.8	20.0	1	ROCK QUARRY ACCESS
TOTAL:									26	EA

PLANS DEVELOPED BY:
 DOW, LLC
 5368 COMMERCIAL BLVD,
 JUNEAU, AK 99801
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 #AECL848

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
 REHABILITATION AND
 AIRPORT ROAD RESURFACING**
 SUMMARY TABLES

FILE c:\wrg\sfhy000067\Planset\000067_D1-D8.dwg
 DATE 5/4/2018 11:43
 LAYOUT D8
 DESIGNED TAL
 CHECKED EMV
 DRAFTED CJS
 CUS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	D8	66

642(5) SET SECONDARY MONUMENT				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F4	25+60	20.0' LT	1	PT # 600
F5	32+22	26.0' RT	1	PT # 601
F6	37+75	20.0' LT	1	PT # 602
F7	44+00	18.0' LT	1	PT # 603
F8	50+00	20.0' RT	1	PT # 604
F10	56+50	20.0' RT	1	PT # 605
F12	62+55	41.0' RT	1	PT # 606
TOTAL:			7	EA

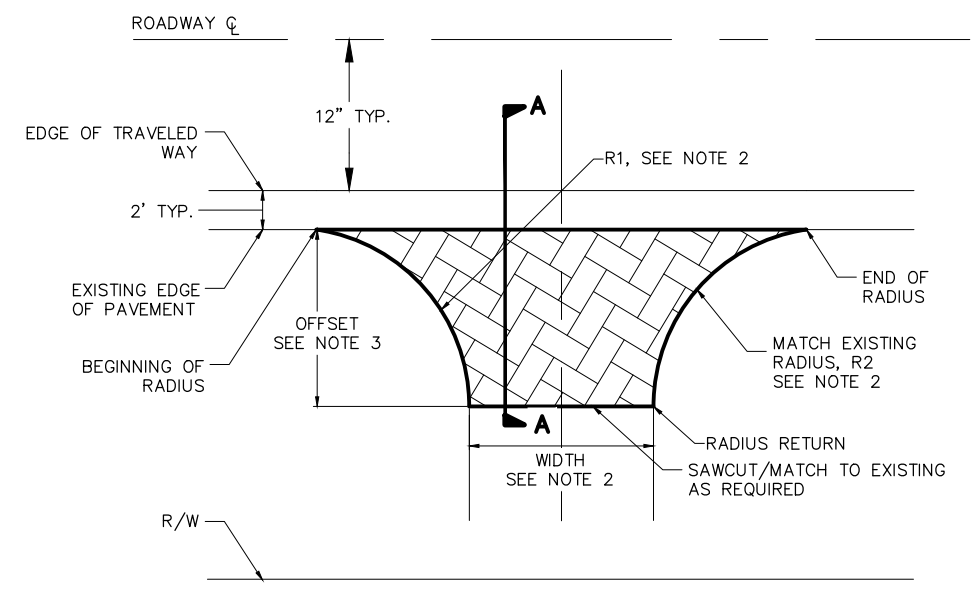
642(6) REPLACE EXISTING WITH PRIMARY MONUMENT				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	10+93	12.5' LT	1	PT # 1087
F2	14+78	16.3' LT	1	PT # 1083
F2	16+58	0.4' RT	1	PT # 1082
F3	21+58	0.1' RT	1	PT # 1081
TOTAL:			4	EA

642(10) MONUMENT CASE				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	10+93	12.5' LT	1	PT # 1087
F2	14+78	16.3' LT	1	PT # 1083
F2	16+58	0.4' RT	1	PT # 1082
F3	21+58	0.1' RT	1	PT # 1081
F4	25+60	20.0' LT	1	PT # 600
F5	32+22	26.0' RT	1	PT # 601
F6	37+75	20.0' LT	1	PT # 602
F7	44+00	18.0' LT	1	PT # 603
F8	50+00	20.0' RT	1	PT # 604
F10	56+50	20.0' RT	1	PT # 605
F12	62+55	41.0' RT	1	PT # 606
TOTAL:			11	EA

670(8) RECESSED PAVEMENT MARKER					
SHEET	TO STATION	FROM STATION	OFFSET	QUANTITY (EA)	NOTES
H3-H7	33+33	68+43	CL	48	
H7-H8	69+19	73+59	CL	10	
H8	74+15	81+76	CL	14	
TOTAL:				72	EA

PLANS DEVELOPED BY: DOWL, LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING SUMMARY TABLES
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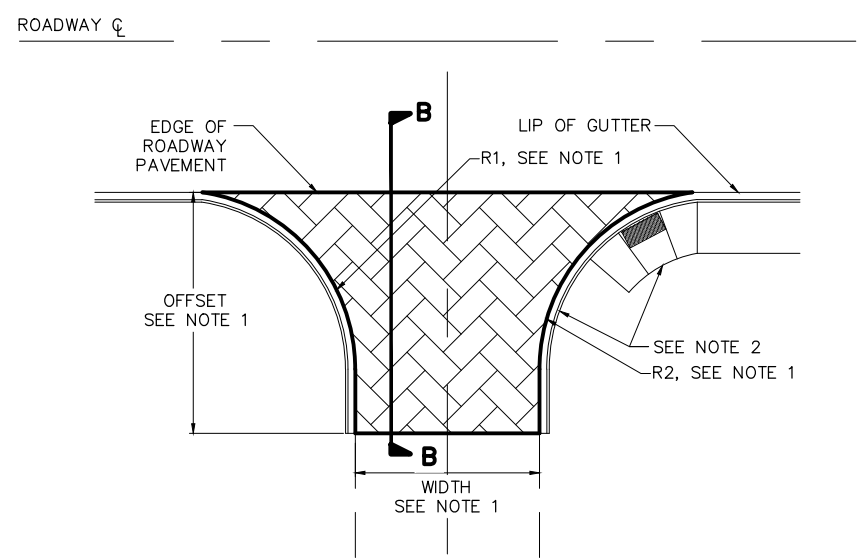
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	E1	66



PLAN VIEW FOR RURAL APPROACHES (23+00 TO 56+00)

RURAL APPROACH NOTES

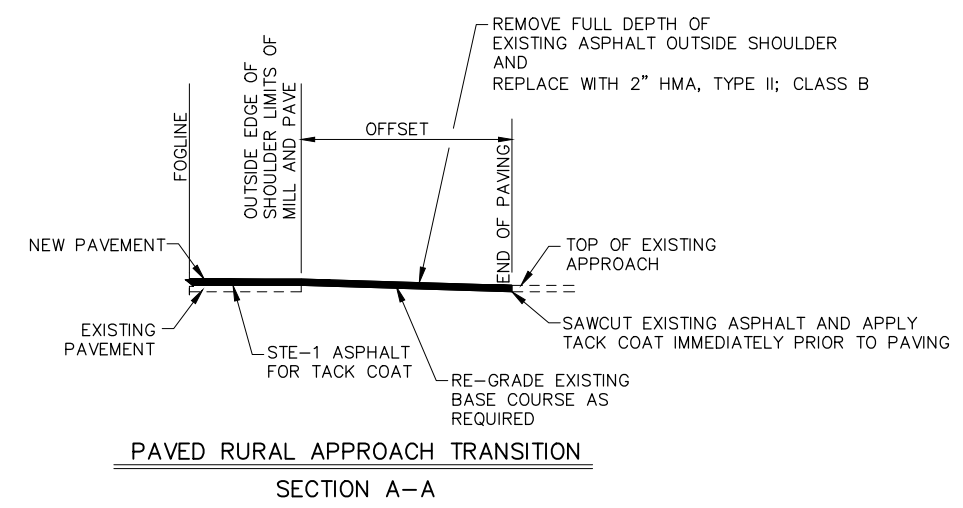
1. DIMENSIONS SHOWN FOR WIDTH, OFFSET, R1, AND R2 CORRESPOND TO D SHEET APPROACH SUMMARY TABLE.
2. APPROACH RADII AND WIDTH TO MATCH EXISTING.
3. OFFSET SHALL EXTEND TO RADIUS RETURN OR 10 FEET, WHICHEVER IS LESS, UNLESS OTHERWISE SHOWN ON THE F SHEETS.



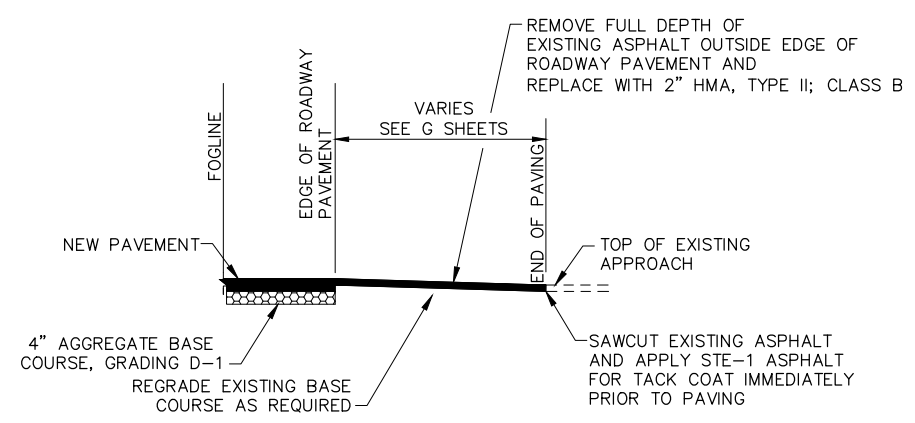
PLAN VIEW FOR URBAN APPROACHES (10+00 TO 23+00)

URBAN APPROACH NOTES

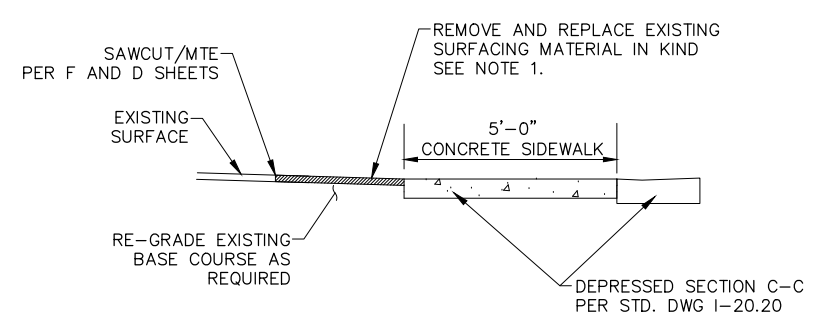
1. DIMENSIONS SHOWN FOR WIDTH, OFFSET, R1, AND R2 CORRESPOND TO D SHEET APPROACH SUMMARY TABLE.
2. SEE G SHEETS FOR URBAN APPROACH AND ADA RAMP LAYOUT INFORMATION.



PAVED RURAL APPROACH TRANSITION
SECTION A-A



PAVED URBAN APPROACH TRANSITION
SECTION B-B



APPROACH TRANSITION FOR DRIVEWAY CURBCUTS

NOTES

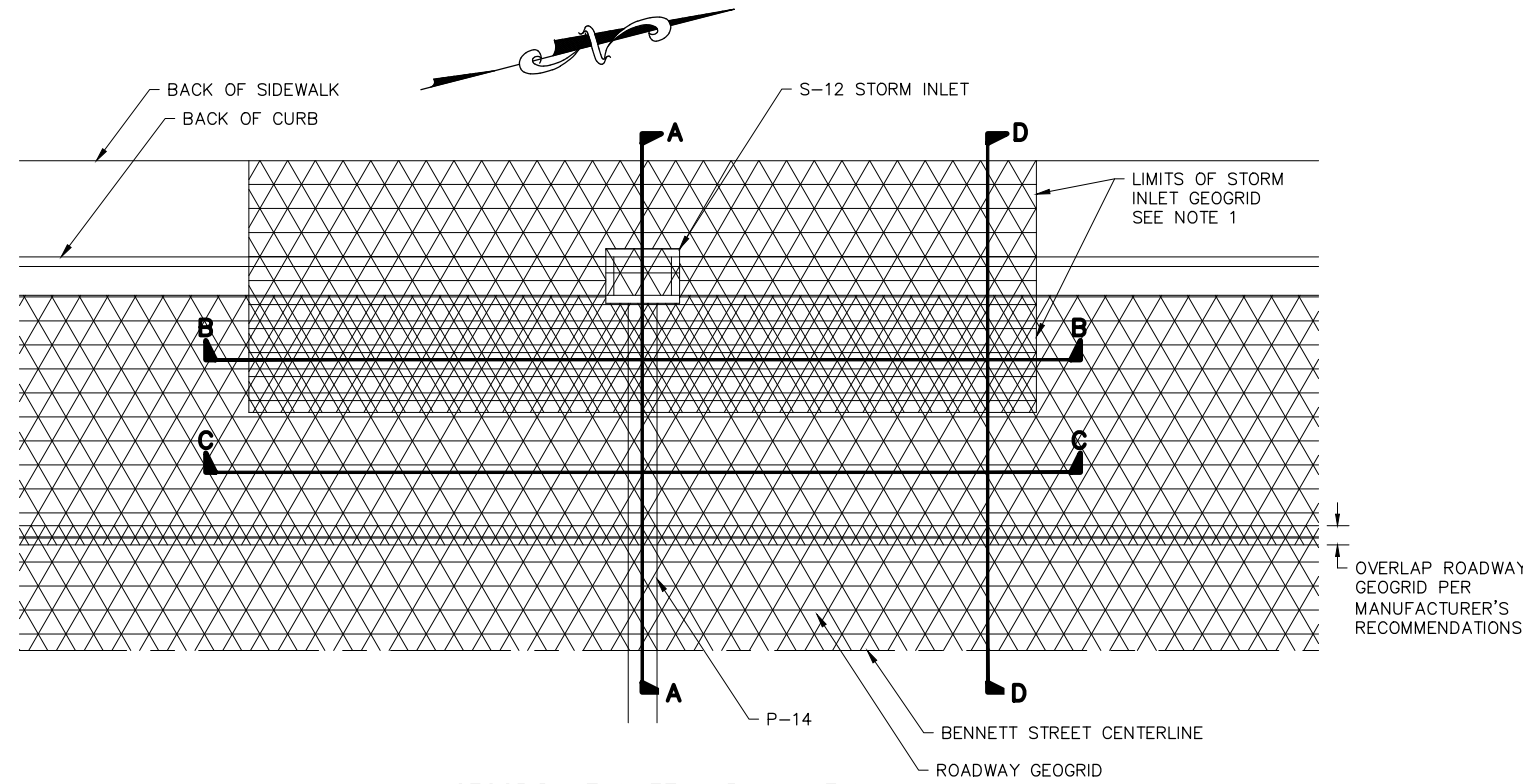
1. IF EXISTING SURFACING IS ASPHALT REPLACE WITH EQUAL THICKNESS OF HMA, OR 2", WHICHEVER IS GREATER. IF EXISTING SURFACE IS CONCRETE REPLACE WITH CONCRETE SIDEWALK, 6 INCHES THICK. IF EXISTING SURFACING IS GRAVEL CONSTRUCT 5'-0" APRON WITH 2" HMA AND 6" CRUSHED AGGREGATE BASE COURSE, GRADING D-1.

PLANS DEVELOPED BY:
DOWL, LLC
5368 COMMERCIAL BLVD,
JUNEAU, AK 99801
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#AECL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
REHABILITATION AND
AIRPORT ROAD RESURFACING
PAVEMENT TRANSITION □
DRIVEWAY DETAILS**

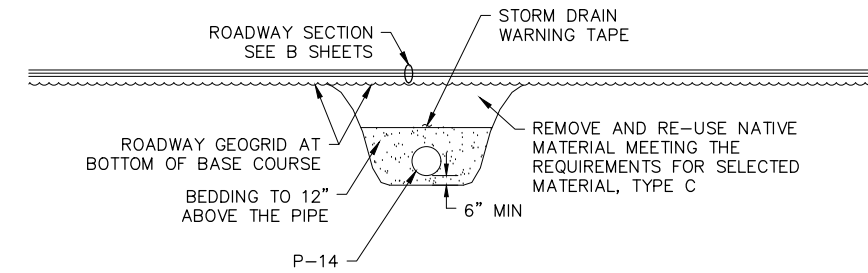
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWY00067	2018	E2	66

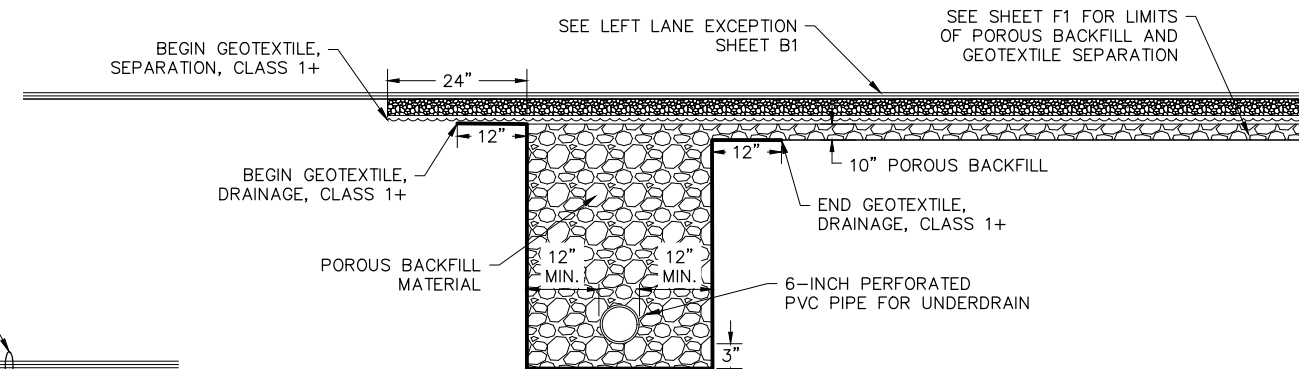


GEOGRID AT INLET - PLAN VIEW

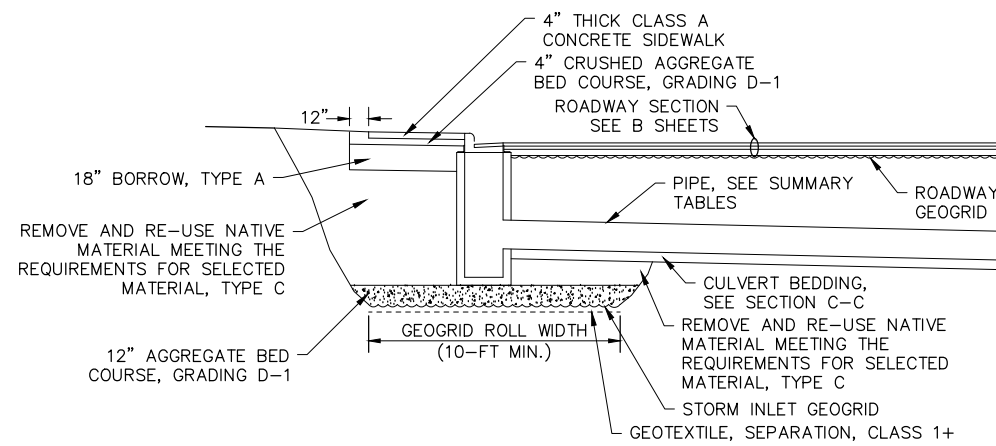
NOTES:
 1. IN ADDITION TO THE ROADWAY GEOGRID, INSTALL A CONTINUOUS LENGTH OF STORM INLET GEOGRID BENEATH THE STORM INLET TO A POINT 10-FT BEYOND THE TOP OF THE TRENCH WALL AS SHOWN. INSTALL GEOTEXTILE SEPARATION BENEATH THE STORM INLET GEOGRID ALONG THE CROSS-SECTION OF THE TRENCH AS SHOWN.



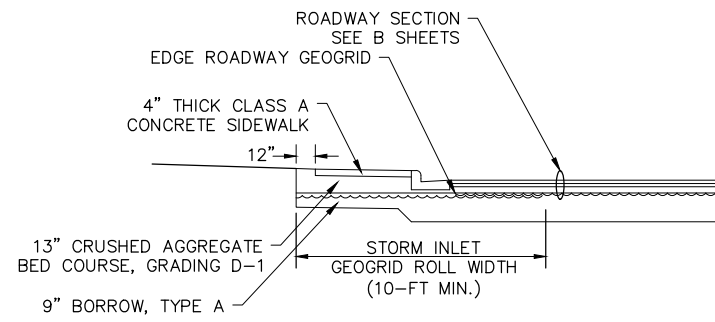
SECTION C-C



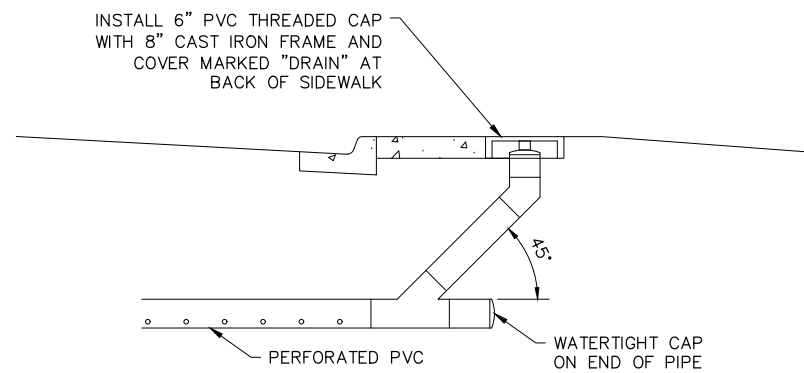
UNDERDRAIN @ STA. 11+90



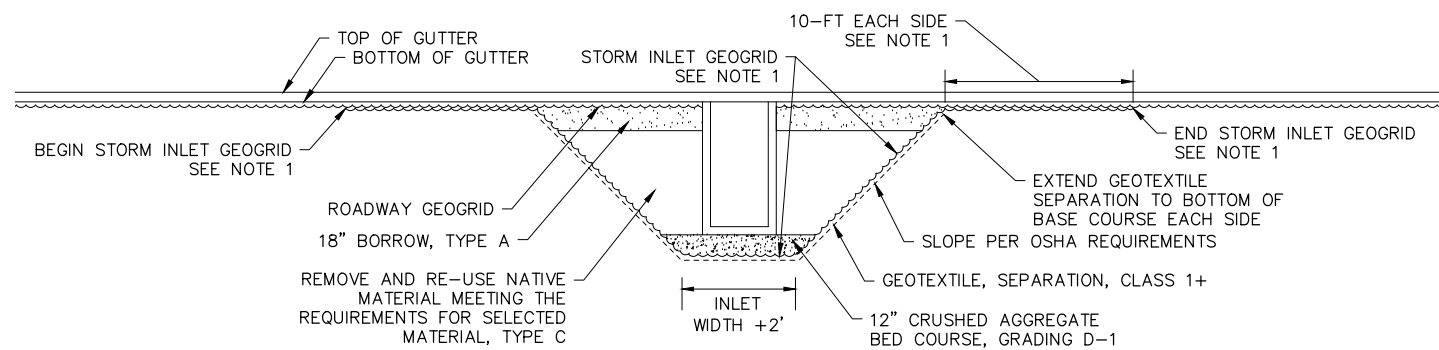
SECTION A-A



SECTION D-D



UNDERDRAIN CLEANOUT



SECTION B-B

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 JUNEAU, AK 99801
 (907) 780-3533
 #AECL848

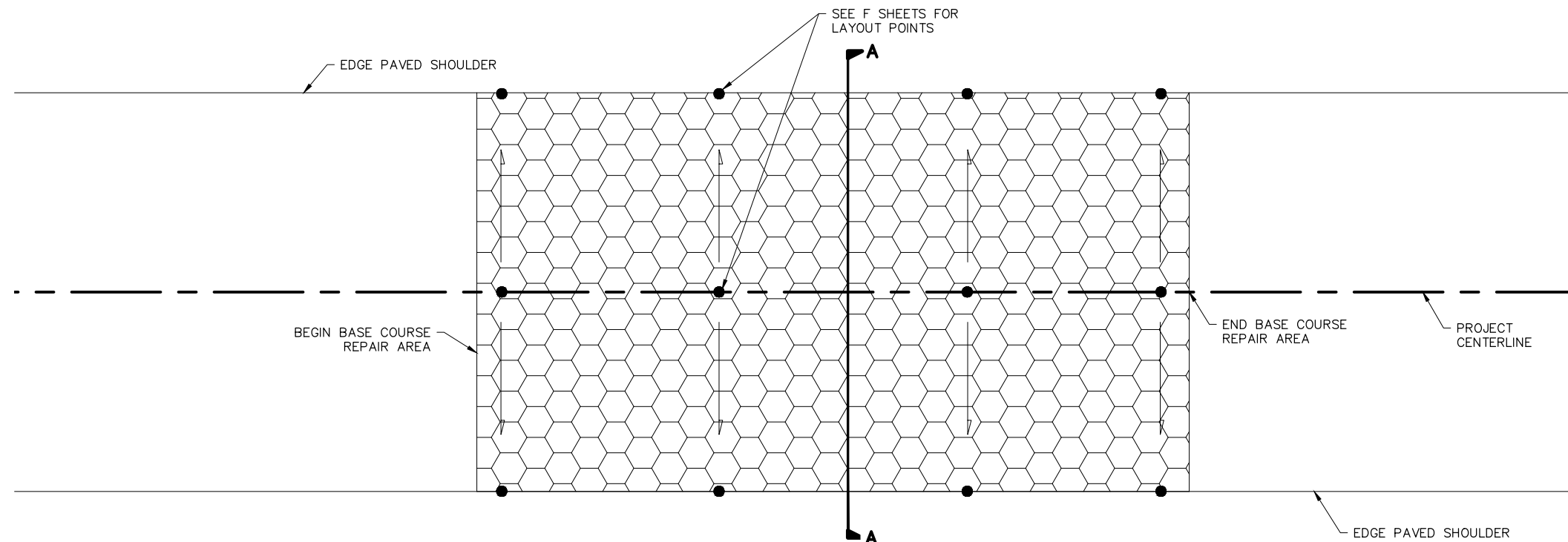
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
 REHABILITATION AND
 AIRPORT ROAD RESURFACING
 GEOGRID AND
 UNDERDRAIN DETAILS**

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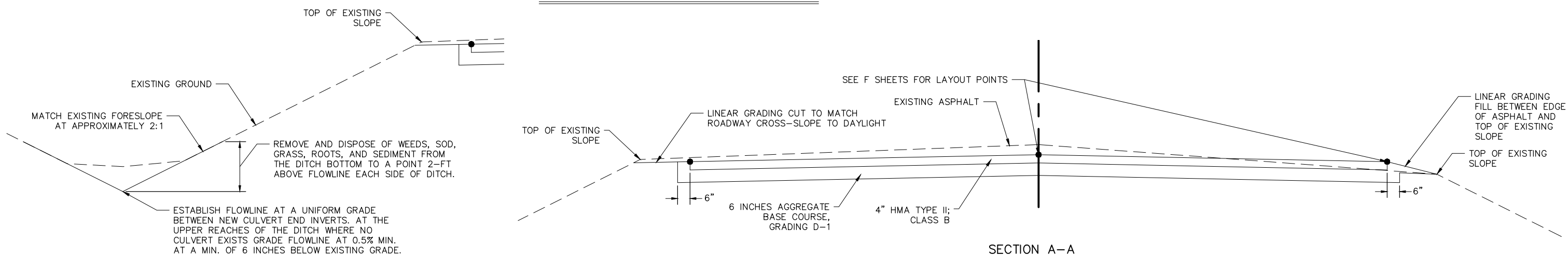
FILE q:\Wrg\sfhy000067\Plan\set\000067_E1-E4.dwg DATE 5/4/2018 10:42 LAYOUT E3 DESIGNED TAL CHECKED EMV DRAFTED CUS

NOTES:
 1. IN AREAS DESIGNATED FOR BASE COURSE REPAIR ON THE F SHEETS, REMOVE THE ENTIRE THICKNESS OF EXISTING ASPHALT AND RECONSTRUCT WITH 6" OF AGGREGATE BASE COURSE, GRADING D-1 AND 4" HMA, TYPE II; CLASS B TO THE LAYOUT POINTS SHOWN ON THE F SHEETS.

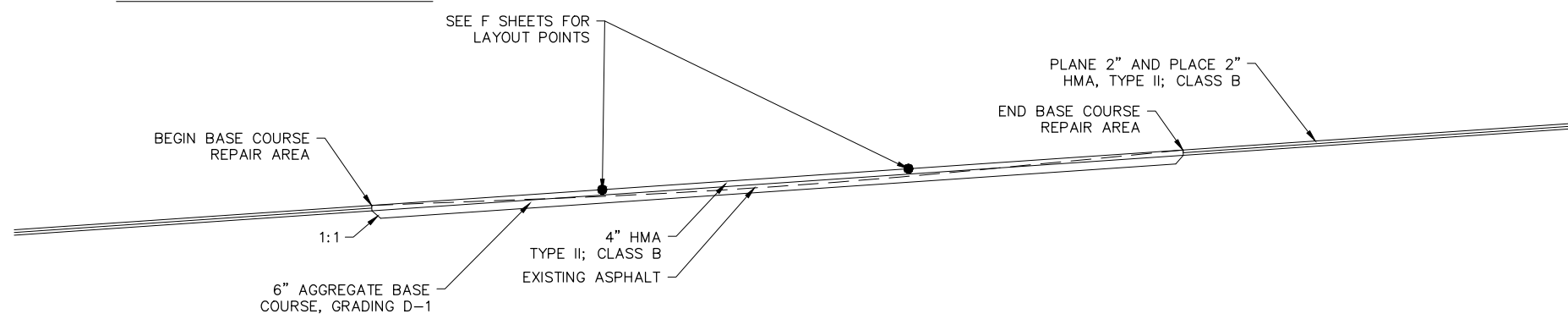
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	E3	66



BASE COURSE REPAIR AREA – PLAN VIEW



SECTION A-A



BASE COURSE REPAIR AREA PROFILE AT CENTERLINE

PLANS DEVELOPED BY:
 DOWL, LLC
 5368 COMMERCIAL BLVD,
 JUNEAU, AK 99801
 (907) 780-3533
 #AECL848

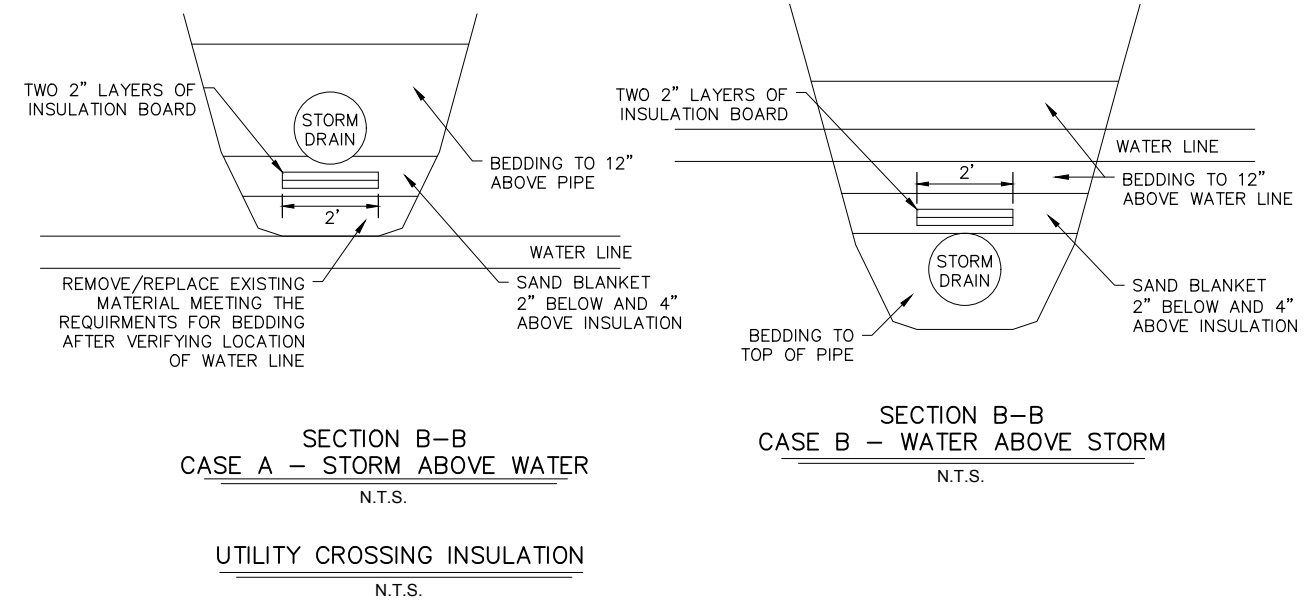
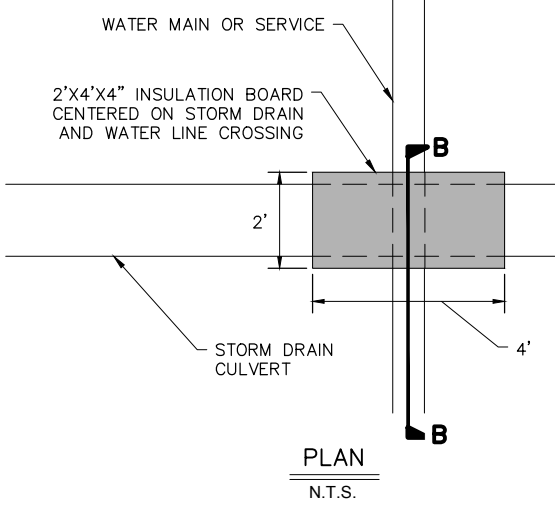
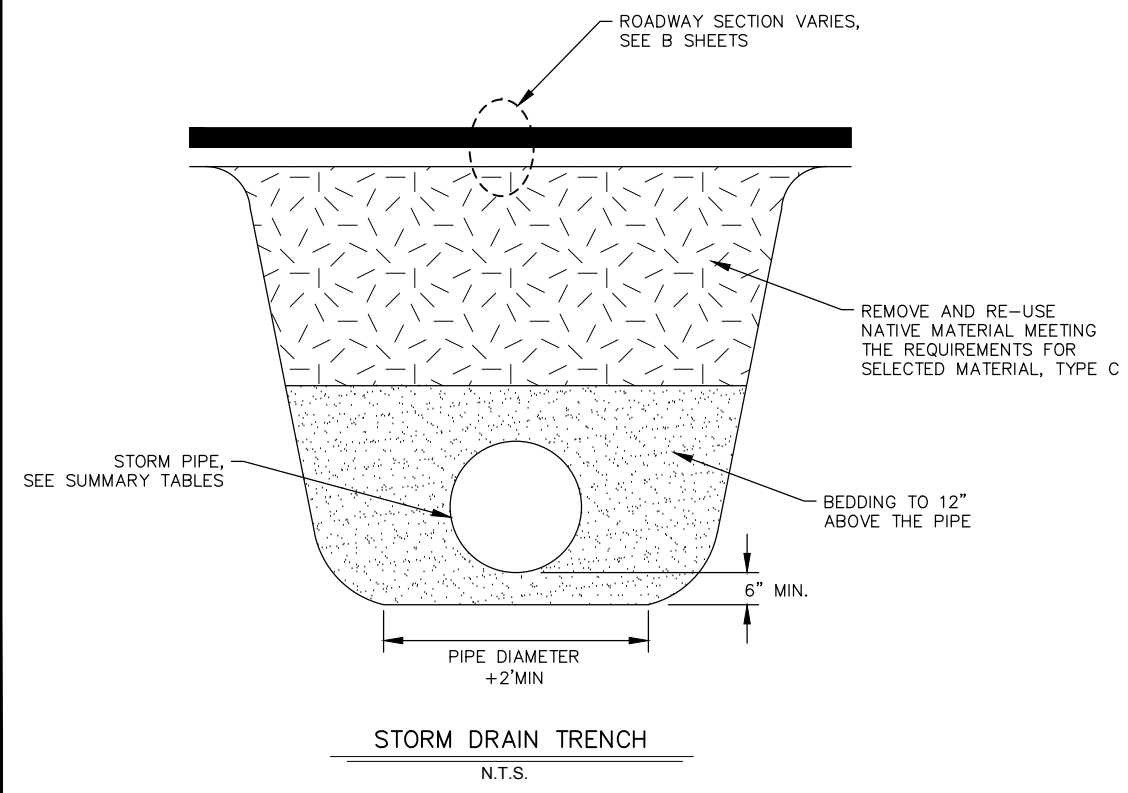
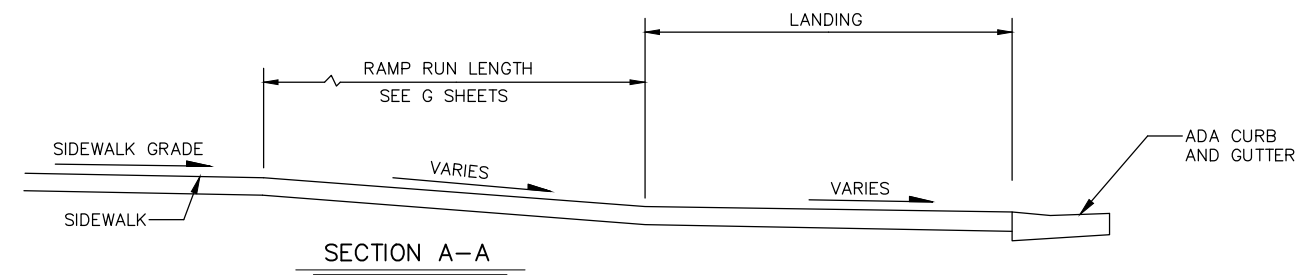
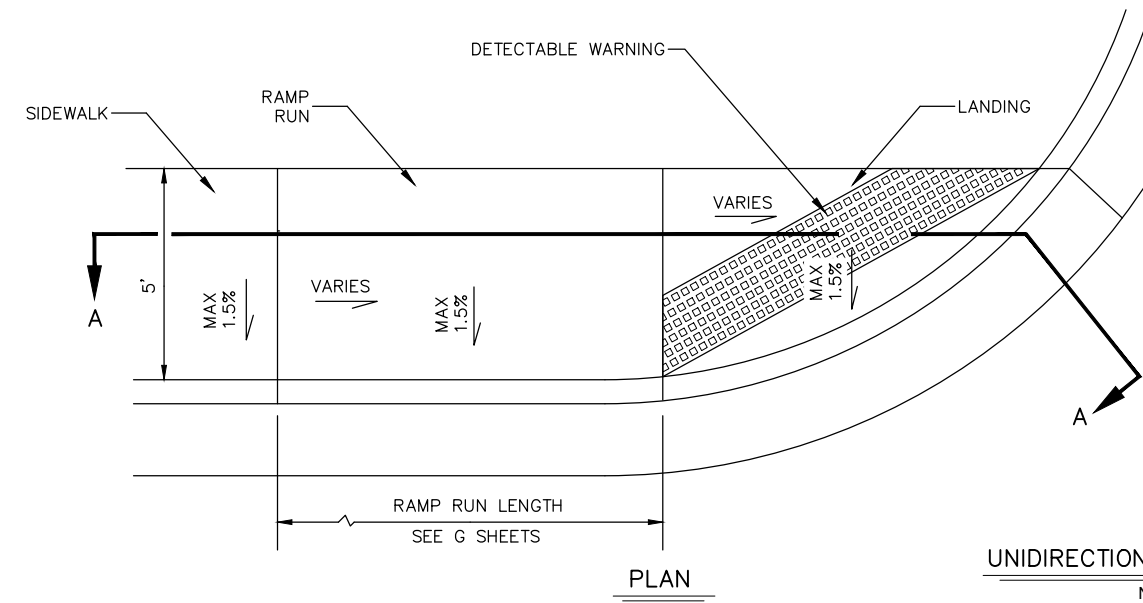
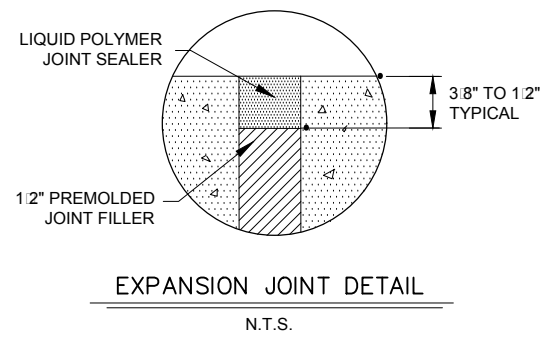
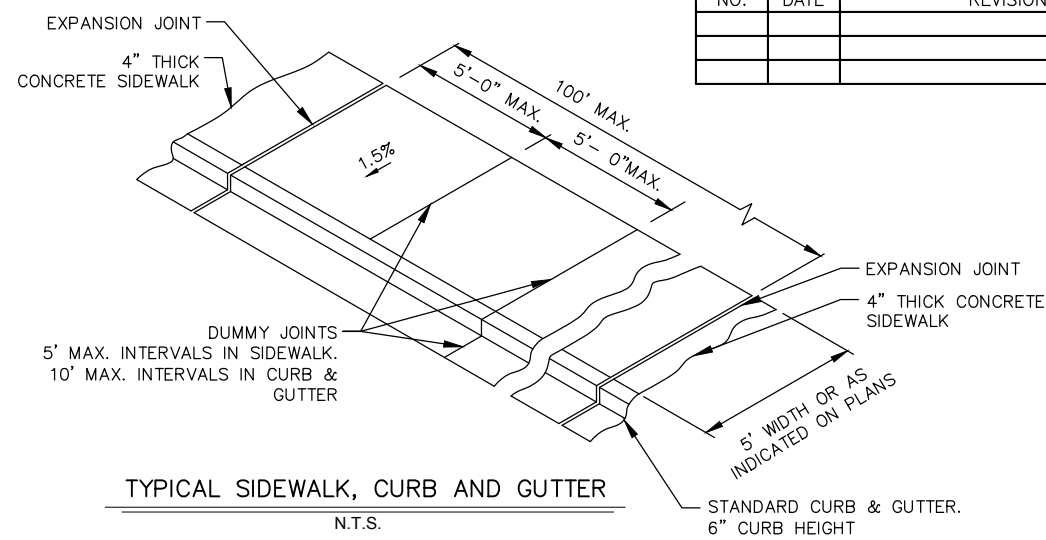
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
 REHABILITATION AND
 AIRPORT ROAD RESURFACING
 BASE COURSE REPAIR AREA AND
 DITCH RECONDITIONING DETAILS**

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 LAYOUT: E4
 DESIGNED: TAL
 CHECKED: EMV
 DRAFTED: CUS
 SHEET: E4
 TOTAL SHEETS: 66

SIDEWALK, CURB AND GUTTER NOTES:

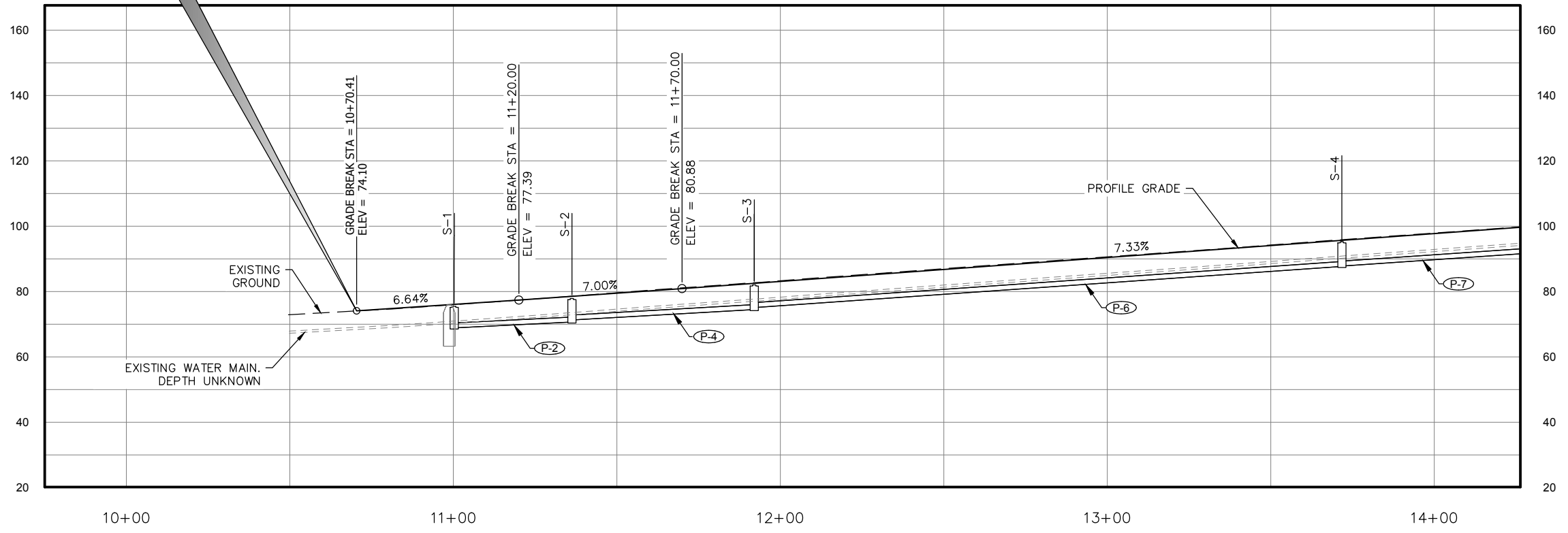
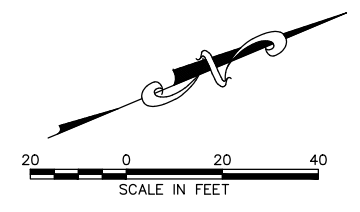
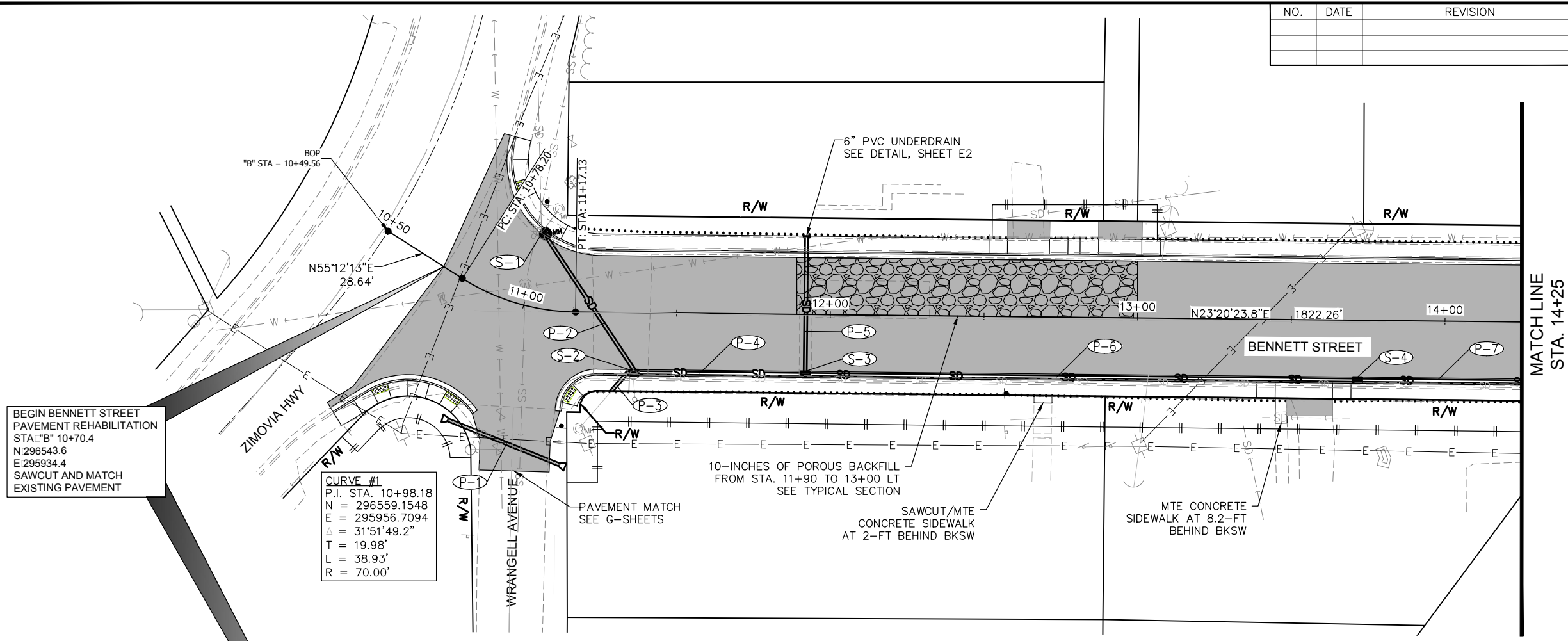
1. THE SIDEWALK CROSS-SLOPE WILL TARGET 1.5% AND WILL IN NO CASE EXCEED 2% IN ORDER TO MEET ADA REQUIREMENTS. SURFACE DRAINAGE WILL BE TOWARDS THE ROADWAY.
2. CONCRETE SIDEWALK AND CURB & GUTTER EXPANSION JOINTS SHALL BE PLACED AT EACH END OF CURB RETURNS AND IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB AND SIDEWALK CUTS. THEREAFTER, THEY SHALL BE PLACED AT 100' MAXIMUM INTERVALS. INSTALL EXPANSION JOINTS WHEN ABUTTING EXISTING FEATURES SUCH AS RETAINING WALLS, FOUNDATIONS, STAIRS, ETC.
3. CONCRETE SIDEWALK DUMMY JOINTS SHALL EXTEND INTO CONCRETE 1/3 THE DEPTH OF THE CONCRETE AND 1/8" WIDE AT 5' MAXIMUM INTERVALS BETWEEN EXPANSION JOINTS. PLACE CURB & GUTTER DUMMY JOINTS AT 10' MAXIMUM INTERVALS.
4. ALL CONCRETE WITHIN THE CURB CUT LIMITS FOR DRIVEWAYS SHALL BE 6" THICK.
5. ALL JOINTS AND SEAMS SHALL BE EDGED.
6. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING ON ALL SURFACES.
7. CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE. APPLICATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWY00067	2018	E4	66



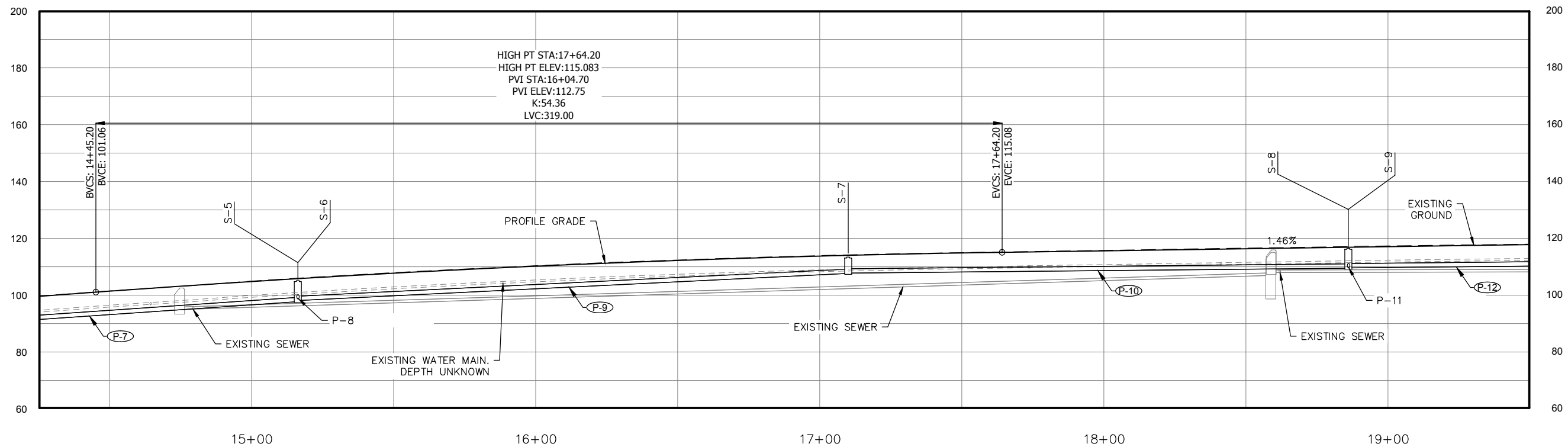
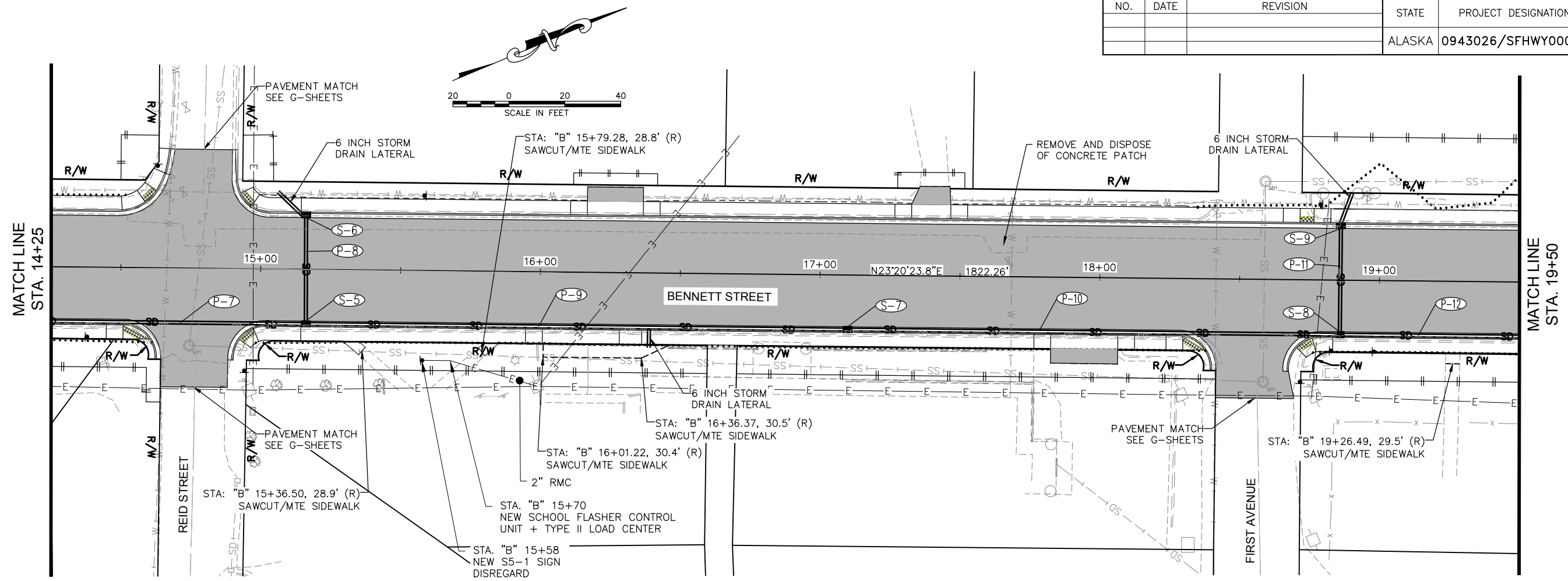
PLANS DEVELOPED BY: DOWL, LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING STORM DRAIN, CURB RAMP AND SIDEWALK DETAILS
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F1	66

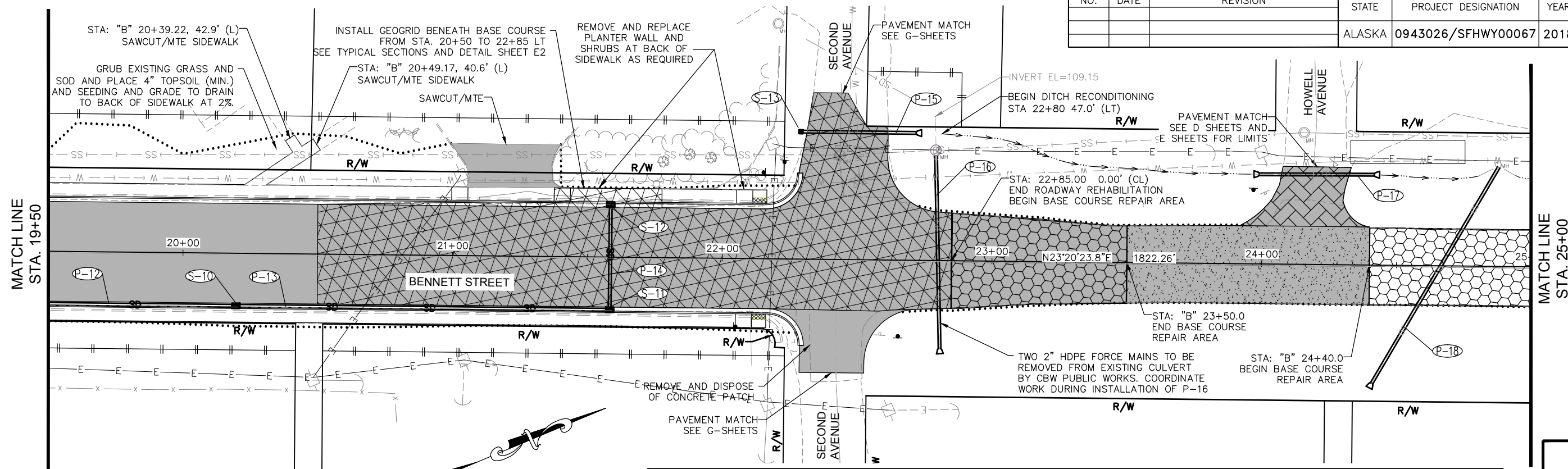


FIRM DOWL
 FILE q:\Wrg\sfhy000067\Plan\set\000067_F1-F16.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECIL848
 DATE 12/27/2017 16:10 LAYOUT F2

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F2	66

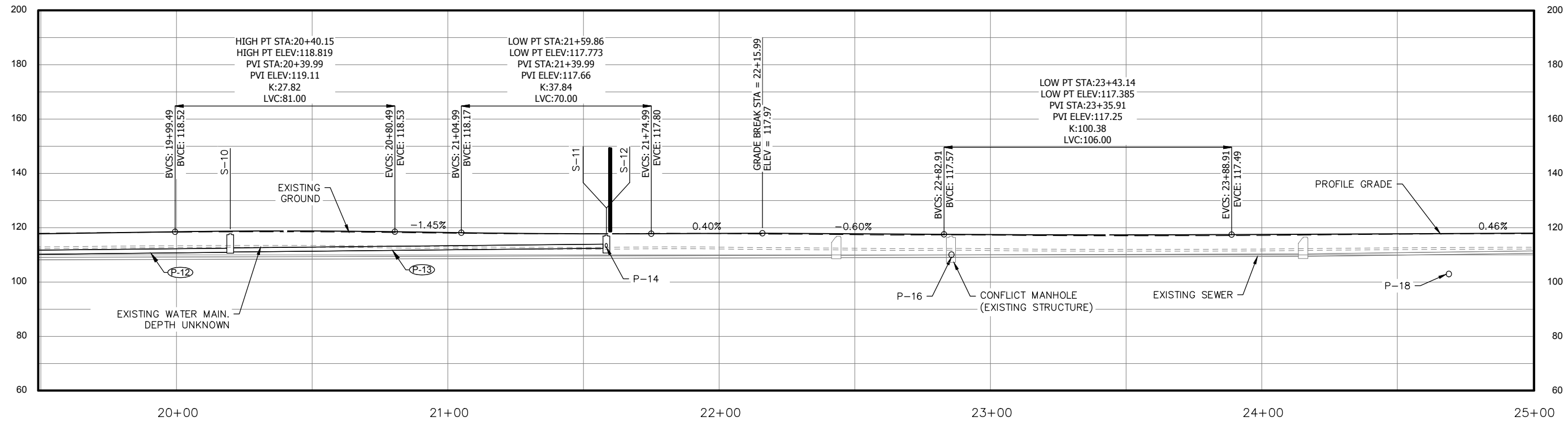


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			ALASKA	0943026/SFHwy00067	2018	F3	66

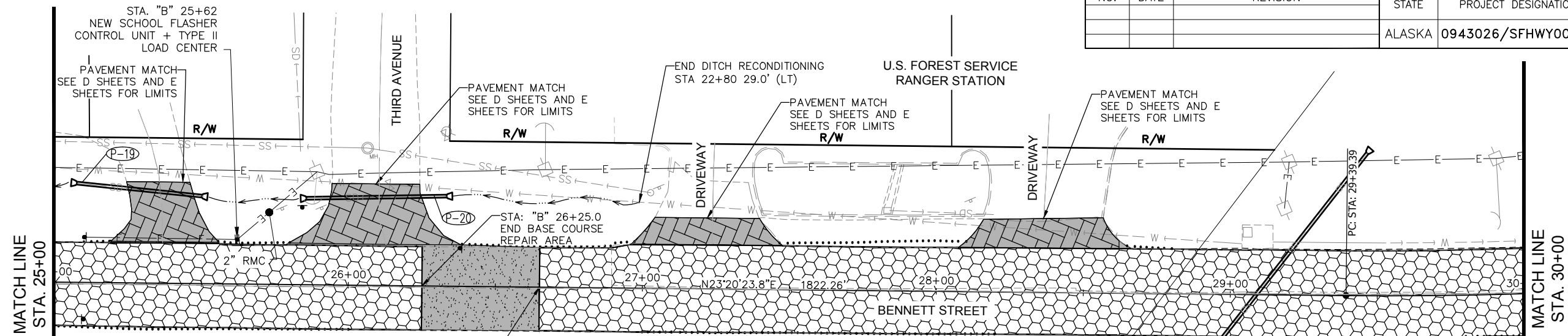


ASPHALT LAYOUT POINTS

STATION	CENTERLINE			LEFT			RIGHT			REMARKS
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION	CROSS-SLOPE	
22+85	RT	0.47	117.54	17.63	117.21	-1.9%	17.65	117.25	-1.7%	
23+00	RT	0.50	117.42	16.74	117.10	-1.8%	16.77	117.12	-1.8%	
23+25	RT	0.50	117.23	15.12	116.92	-2.0%	15.44	116.93	-2.0%	
23+50	RT	0.51	117.08	13.64	116.80	-2.0%	14.80	116.79	-2.0%	
24+00	RT	0.61	117.13	13.84	116.84	-2.0%	14.51	116.85	-2.0%	
24+40	RT	0.51	117.45	13.77	117.16	-2.0%	14.78	117.16	-2.0%	
24+75	RT	0.49	117.62	13.55	117.33	-2.0%	14.64	117.33	-2.0%	
25+00	RT	0.58	117.71	13.62	117.16	-2.0%	16.65	117.43	-2.0%	



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	F4	66



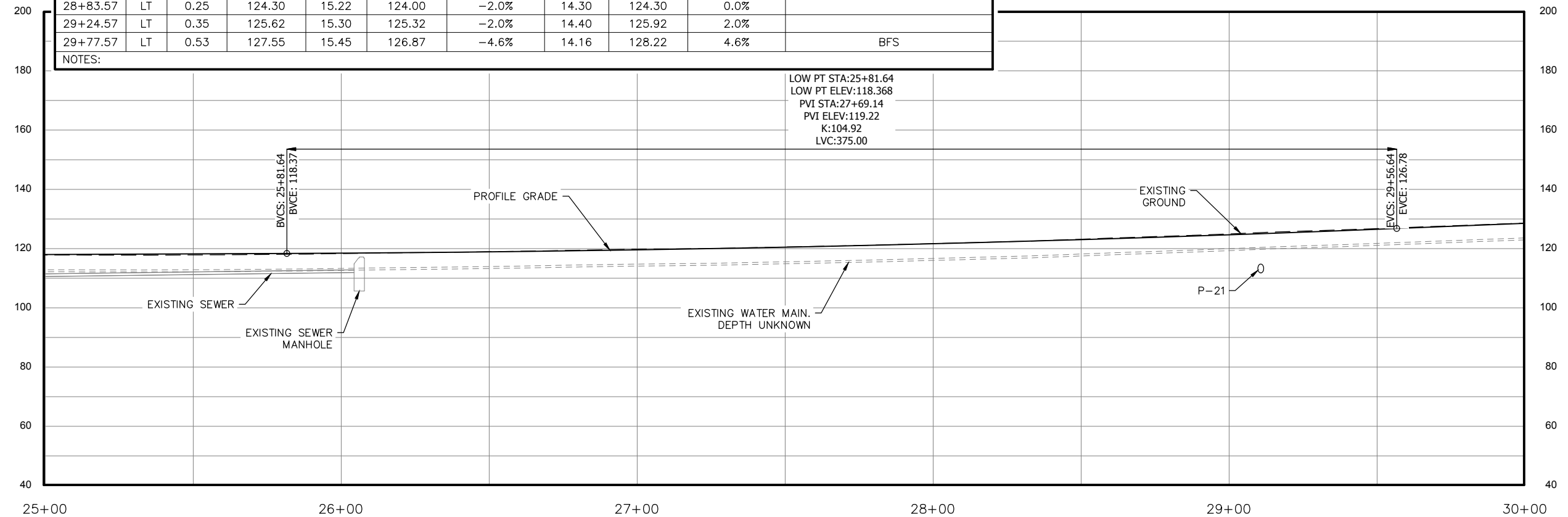
ASPHALT LAYOUT POINTS

STATION	CENTERLINE			LEFT			RIGHT			REMARKS
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION	CROSS-SLOPE	
25+50	RT	0.59	117.90	13.62	117.61	-2.0%	14.90	117.61	-2.0%	
25+75	RT	0.67	118.00	13.43	117.71	-2.0%	15.00	117.71	-2.0%	
26+00	RT	0.75	118.17	13.46	117.71	-2.0%	15.06	117.88	-2.0%	
26+25	RT	0.40	118.47	13.40	118.19	-2.0%	14.94	118.18	-2.0%	
26+50	RT	0.41	118.83	13.45	118.55	-2.0%	14.81	118.58	-1.7%	
26+75	RT	0.28	119.20	13.54	118.93	-2.0%	14.80	118.93	-1.9%	
27+00	RT	0.16	119.64	14.94	119.34	-2.0%	14.91	119.34	-2.0%	
27+25	RT	0.06	120.08	14.97	119.78	-2.0%	14.76	119.78	-2.0%	
27+50	LT	0.08	120.58	14.94	120.28	-2.0%	14.67	120.28	-2.0%	
28+00	LT	0.20	121.89	14.90	121.59	-2.0%	14.51	121.59	-2.0%	
28+25	LT	0.12	122.64	15.05	122.34	-2.0%	14.32	122.35	-2.0%	
28+42.57	LT	0.22	123.16	15.10	122.87	-2.0%	14.26	122.88	-2.0%	BST
28+83.57	LT	0.25	124.30	15.22	124.00	-2.0%	14.30	124.30	0.0%	
29+24.57	LT	0.35	125.62	15.30	125.32	-2.0%	14.40	125.92	2.0%	
29+77.57	LT	0.53	127.55	15.45	126.87	-4.6%	14.16	128.22	4.6%	BFS

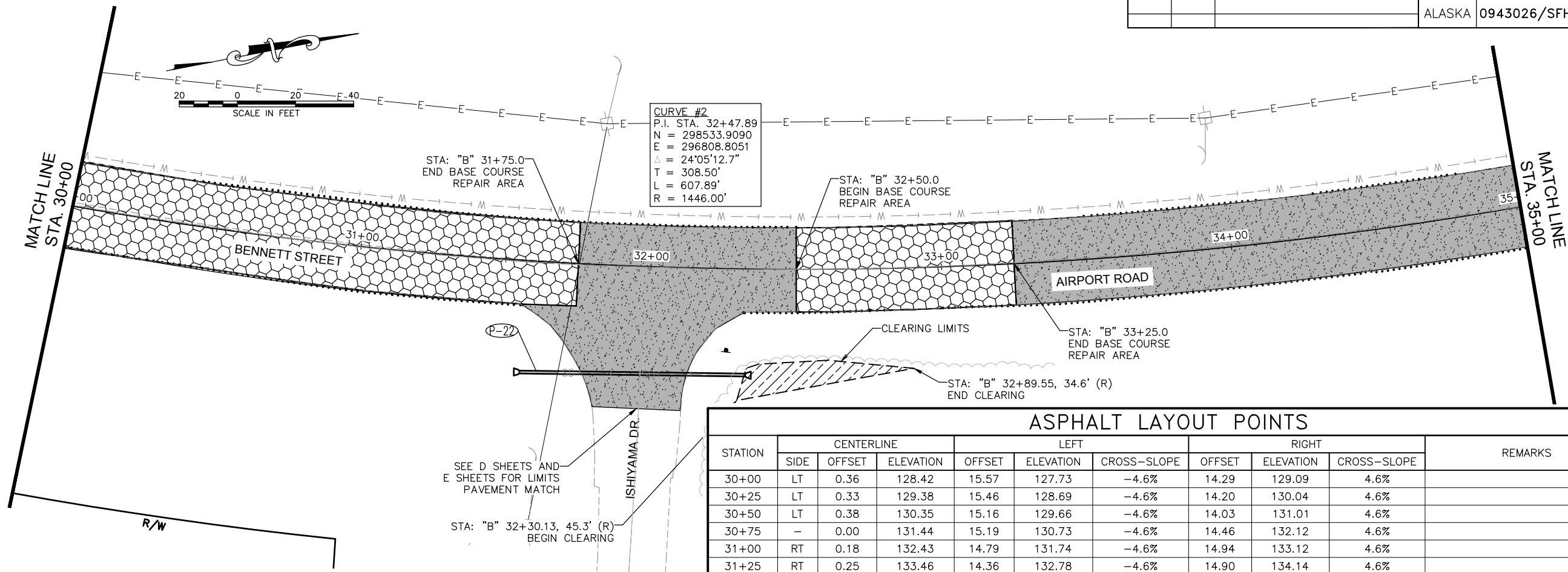
NOTES:

CURVE #2

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 N = 298533.9090
 E = 296808.8051
 $\Delta = 24^{\circ}05'12.7''$
 T = 308.50'
 L = 607.89'
 R = 1446.00'



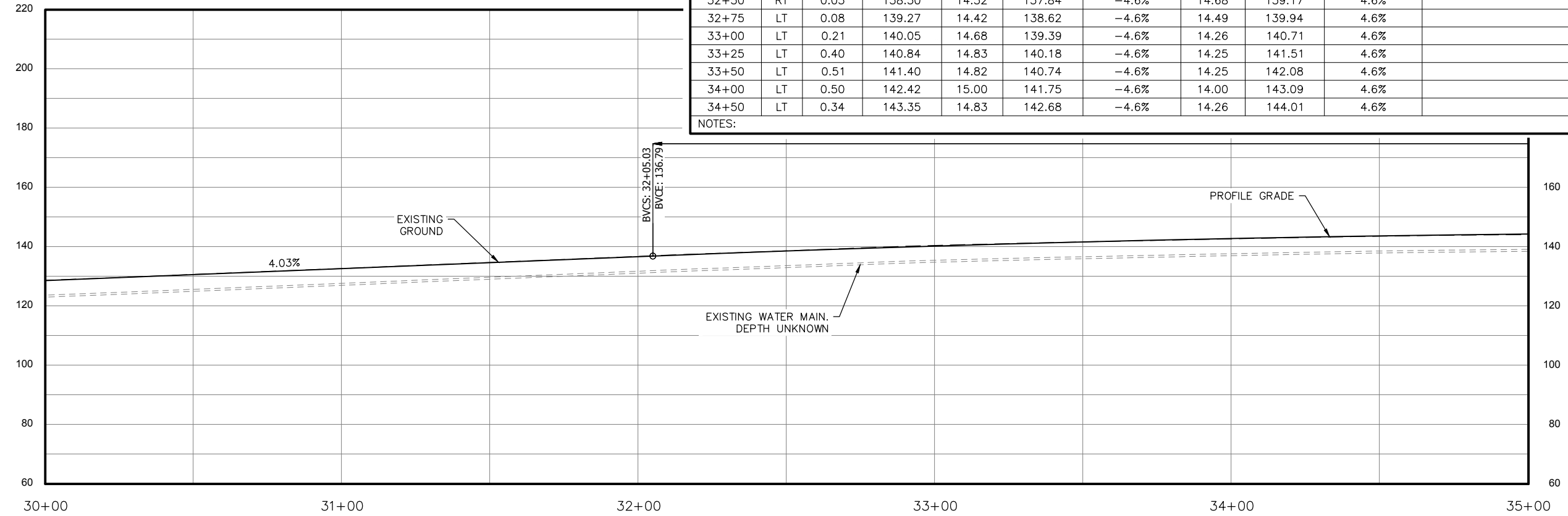
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F5	66



ASPHALT LAYOUT POINTS

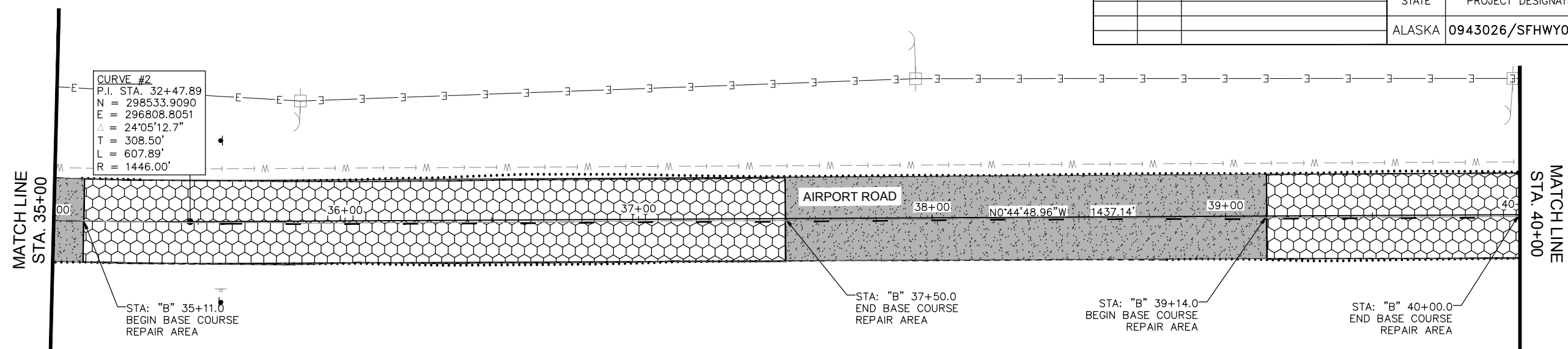
STATION	CENTERLINE			LEFT		RIGHT			REMARKS	
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION		CROSS-SLOPE
30+00	LT	0.36	128.42	15.57	127.73	-4.6%	14.29	129.09	4.6%	
30+25	LT	0.33	129.38	15.46	128.69	-4.6%	14.20	130.04	4.6%	
30+50	LT	0.38	130.35	15.16	129.66	-4.6%	14.03	131.01	4.6%	
30+75	-	0.00	131.44	15.19	130.73	-4.6%	14.46	132.12	4.6%	
31+00	RT	0.18	132.43	14.79	131.74	-4.6%	14.94	133.12	4.6%	
31+25	RT	0.25	133.46	14.36	132.78	-4.6%	14.90	134.14	4.6%	
31+50	RT	0.36	134.49	14.30	133.81	-4.6%	15.00	135.17	4.6%	
31+75	RT	0.35	135.54	14.17	134.88	-4.6%	14.64	136.20	4.6%	
32+00	RT	0.19	136.57	14.06	135.92	-4.6%	14.45	137.22	4.6%	
32+50	RT	0.05	138.50	14.32	137.84	-4.6%	14.68	139.17	4.6%	
32+75	LT	0.08	139.27	14.42	138.62	-4.6%	14.49	139.94	4.6%	
33+00	LT	0.21	140.05	14.68	139.39	-4.6%	14.26	140.71	4.6%	
33+25	LT	0.40	140.84	14.83	140.18	-4.6%	14.25	141.51	4.6%	
33+50	LT	0.51	141.40	14.82	140.74	-4.6%	14.25	142.08	4.6%	
34+00	LT	0.50	142.42	15.00	141.75	-4.6%	14.00	143.09	4.6%	
34+50	LT	0.34	143.35	14.83	142.68	-4.6%	14.26	144.01	4.6%	

NOTES:



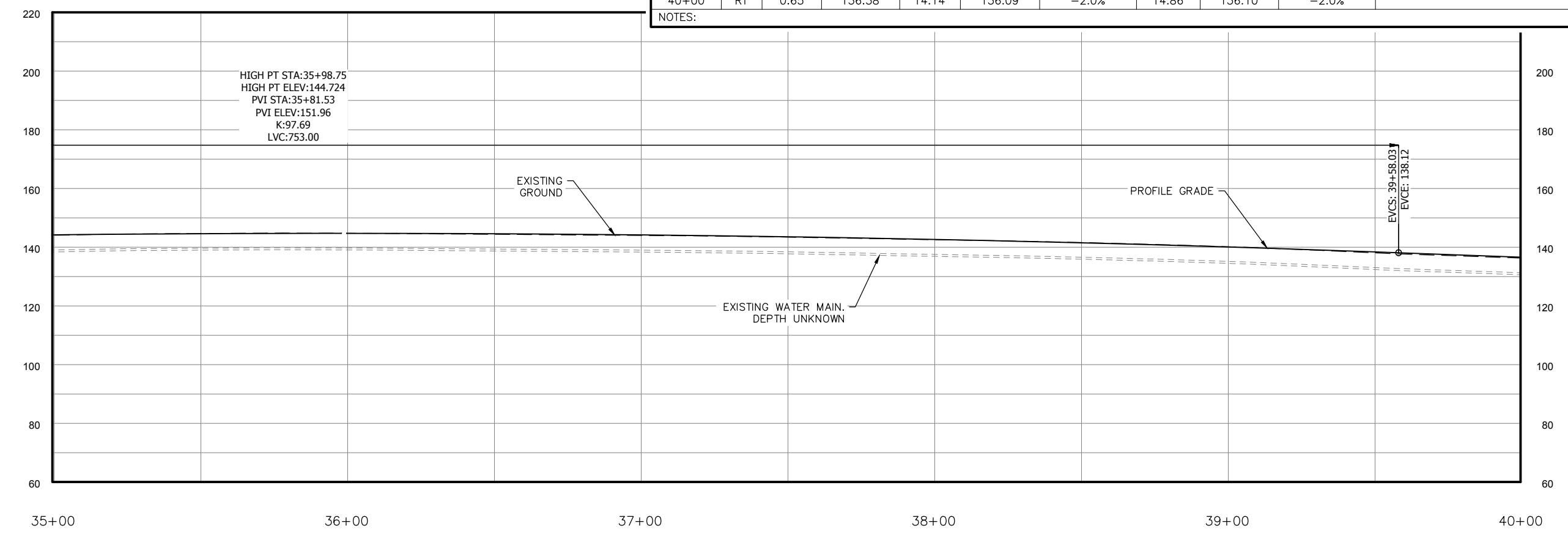
FIRM DOWL
 FILE q:\Wrg\sfhy\000067\Plan\set\000067_F1-F16.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 5/7/2018 8:28 LAYOUT F6
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECIL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F6	66



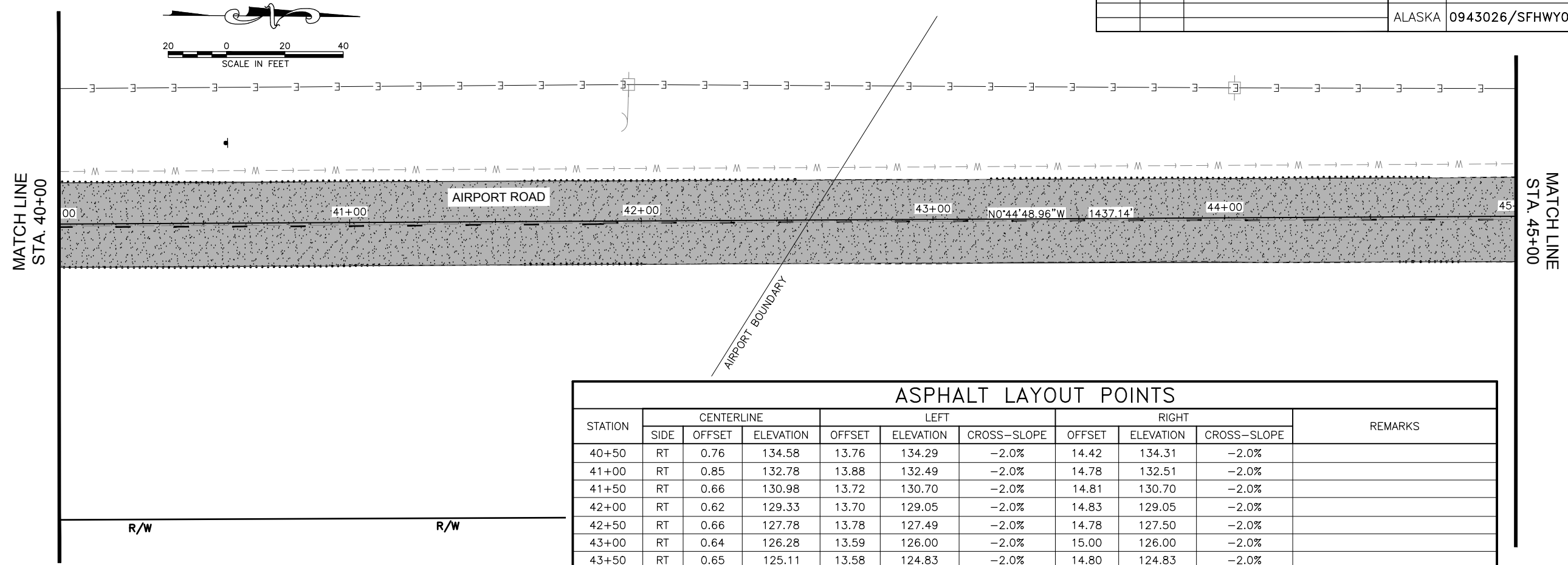
STATION	ASPHALT LAYOUT POINTS									REMARKS
	CENTERLINE			LEFT			RIGHT			
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION	CROSS-SLOPE	
35+06.83	LT	0.15	144.02	14.44	143.34	-4.6%	14.02	144.63	4.6%	EFS
35+63.23	RT	0.40	144.43	13.75	144.15	-2.0%	14.48	144.71	2.0%	
36+04.23	RT	0.68	144.57	13.40	144.29	-2.0%	14.26	144.57	0.0%	
36+45.23	RT	0.75	144.51	13.59	144.23	-2.0%	14.57	144.24	-2.0%	EST
37+00	RT	0.62	144.15	13.76	143.86	-2.0%	14.48	143.87	-2.0%	
37+50	RT	0.68	143.43	13.86	143.14	-2.0%	14.56	143.16	-2.0%	
38+00	RT	0.50	142.48	14.00	142.19	-2.0%	14.59	142.20	-2.0%	
38+50	RT	0.46	141.58	14.21	141.29	-2.0%	14.38	141.30	-2.0%	
39+00	RT	0.59	140.23	14.24	139.94	-2.0%	14.51	139.95	-2.0%	
39+25	RT	0.55	139.31	14.17	139.01	-2.0%	14.65	139.03	-2.0%	
39+50	RT	0.58	138.38	14.06	138.09	-2.0%	14.67	138.10	-2.0%	
39+75	RT	0.60	137.39	14.16	137.09	-2.0%	14.55	137.11	-2.0%	
40+00	RT	0.65	136.38	14.14	136.09	-2.0%	14.86	136.10	-2.0%	

NOTES:



FIRM DOWL
 FILE q:\Wrg\sfhy\000067\Plan\set\000067_F1-F16.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 5/7/2018 8:37 LAYOUT F7
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AEC1848

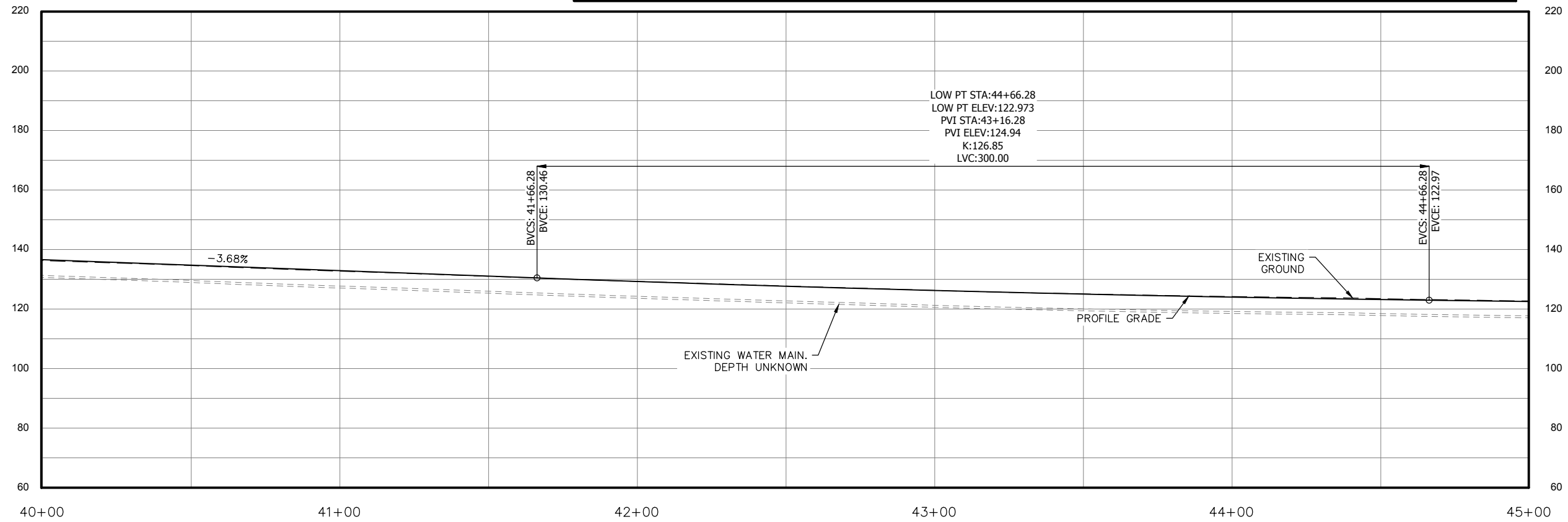
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F7	66



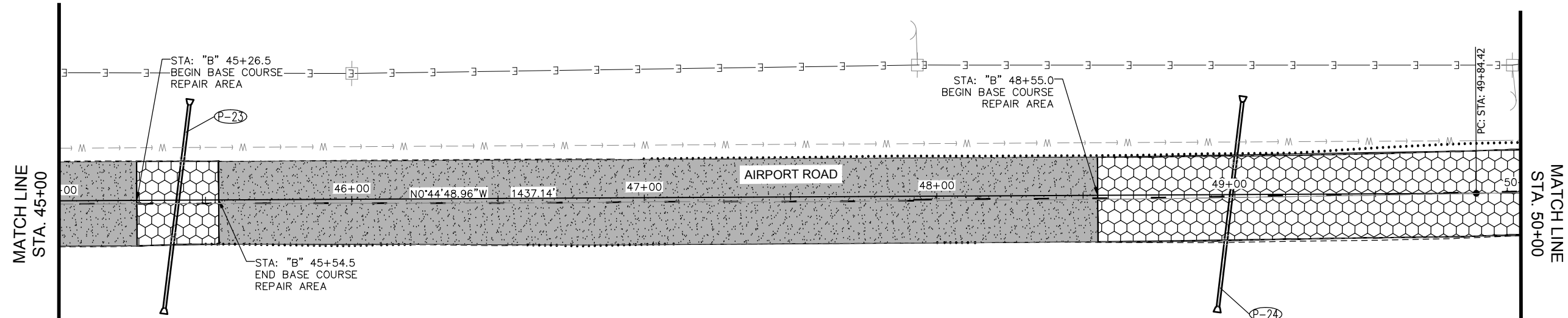
ASPHALT LAYOUT POINTS

STATION	CENTERLINE			LEFT			RIGHT			REMARKS
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION	CROSS-SLOPE	
40+50	RT	0.76	134.58	13.76	134.29	-2.0%	14.42	134.31	-2.0%	
41+00	RT	0.85	132.78	13.88	132.49	-2.0%	14.78	132.51	-2.0%	
41+50	RT	0.66	130.98	13.72	130.70	-2.0%	14.81	130.70	-2.0%	
42+00	RT	0.62	129.33	13.70	129.05	-2.0%	14.83	129.05	-2.0%	
42+50	RT	0.66	127.78	13.78	127.49	-2.0%	14.78	127.50	-2.0%	
43+00	RT	0.64	126.28	13.59	126.00	-2.0%	15.00	126.00	-2.0%	
43+50	RT	0.65	125.11	13.58	124.83	-2.0%	14.80	124.83	-2.0%	
44+00	RT	0.77	124.21	13.47	123.93	-2.0%	14.97	123.92	-2.0%	
44+50	RT	0.93	123.51	13.48	123.22	-2.0%	15.36	123.22	-2.0%	
45+00	RT	1.08	122.76	13.30	122.47	-2.0%	15.67	122.47	-2.0%	

NOTES:



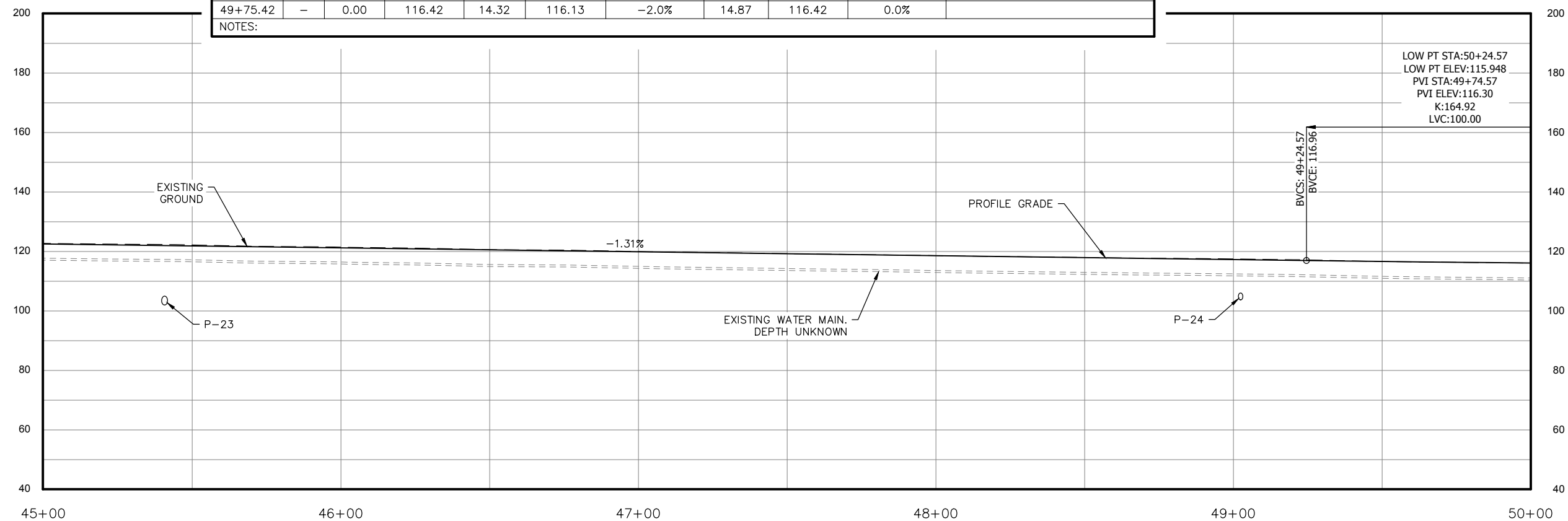
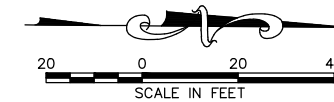
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F8	66



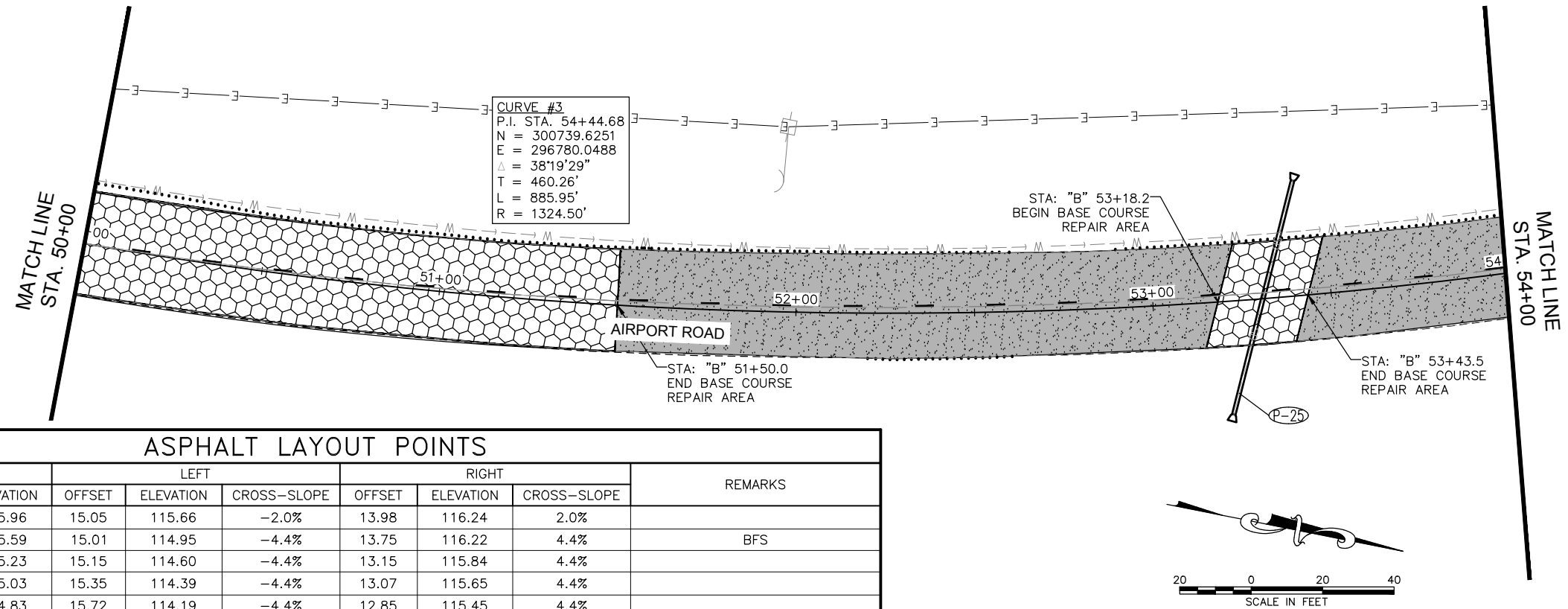
ASPHALT LAYOUT POINTS

STATION	CENTERLINE			LEFT			RIGHT			REMARKS
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION	CROSS-SLOPE	
45+26.5	RT	1.13	122.47	13.32	122.20	-1.9%	15.53	122.18	-2.0%	
45+54.5	RT	1.17	122.14	13.22	121.88	-1.8%	15.17	121.86	-2.0%	
46+00	RT	1.33	121.41	13.15	121.12	-2.0%	15.74	121.12	-2.0%	
46+50	RT	1.51	120.66	13.16	120.37	-2.0%	15.92	120.37	-2.0%	
47+00	RT	1.41	119.96	13.17	119.67	-2.0%	15.98	119.67	-2.0%	
47+50	RT	1.60	119.31	13.10	119.02	-2.0%	15.90	119.02	-2.0%	
48+00	RT	1.49	118.66	13.17	118.37	-2.0%	15.98	118.37	-2.0%	
48+50	RT	1.39	118.01	13.11	117.72	-2.0%	15.85	117.72	-2.0%	
48+55	RT	1.37	117.97	13.08	117.68	-2.0%	15.87	117.68	-2.0%	
48+75	RT	1.25	117.80	13.05	117.51	-2.0%	15.88	117.51	-2.0%	
49+00	RT	1.02	117.46	13.23	117.17	-2.0%	15.68	117.17	-2.0%	
49+37.22	RT	0.60	117.01	13.55	116.72	-2.0%	15.14	116.72	-2.0%	BST
49+75.42	-	0.00	116.42	14.32	116.13	-2.0%	14.87	116.42	0.0%	

NOTES:



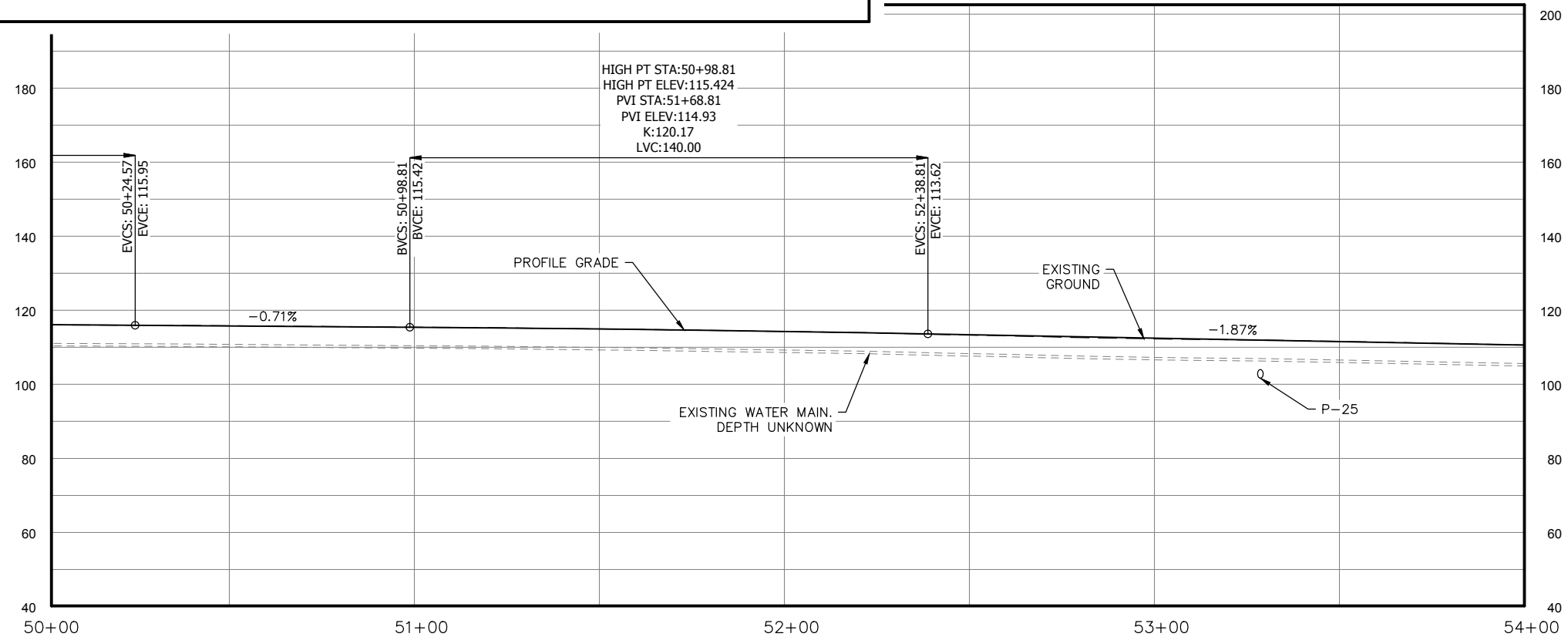
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	F9	66



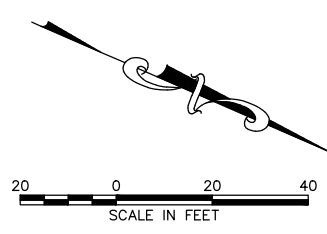
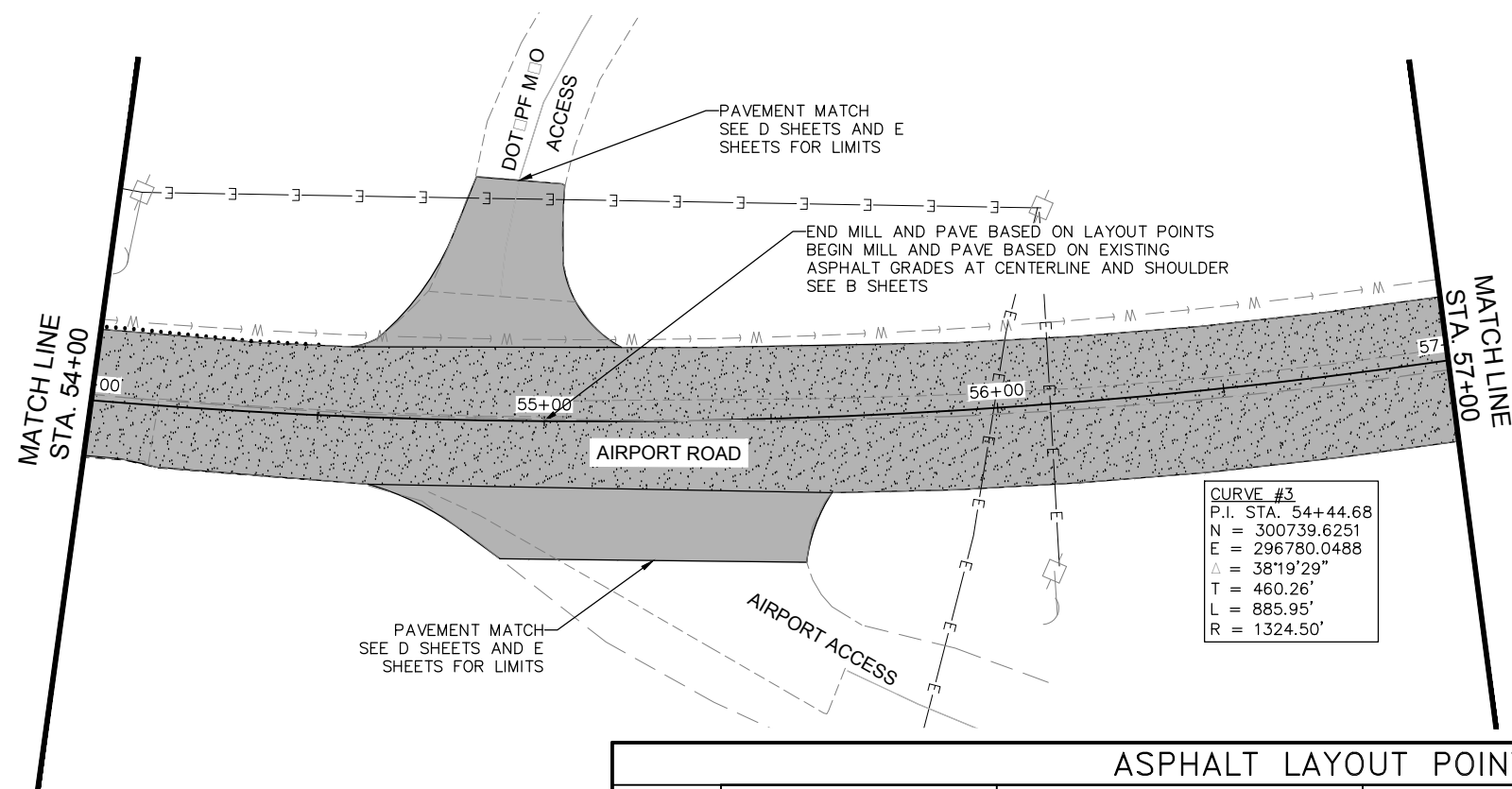
ASPHALT LAYOUT POINTS

STATION	CENTERLINE			LEFT			RIGHT			REMARKS
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION	CROSS-SLOPE	
50+13.62	LT	0.22	115.96	15.05	115.66	-2.0%	13.98	116.24	2.0%	
50+59.42	LT	0.52	115.59	15.01	114.95	-4.4%	13.75	116.22	4.4%	BFS
51+00	LT	0.85	115.23	15.15	114.60	-4.4%	13.15	115.84	4.4%	
51+25	LT	1.02	115.03	15.35	114.39	-4.4%	13.07	115.65	4.4%	
51+50	LT	1.24	114.83	15.72	114.19	-4.4%	12.85	115.45	4.4%	
52+00	LT	1.47	114.16	16.50	113.50	-4.4%	12.38	114.78	4.4%	
52+50	LT	1.68	113.18	16.62	112.53	-4.4%	12.57	113.81	4.4%	
53+00	LT	1.65	112.30	16.00	111.67	-4.4%	12.59	112.93	4.4%	
53+50	LT	1.66	111.39	15.88	110.76	-4.4%	12.58	112.01	4.4%	
54+00	LT	1.33	110.53	15.79	109.90	-4.4%	12.45	111.13	4.4%	

NOTES:

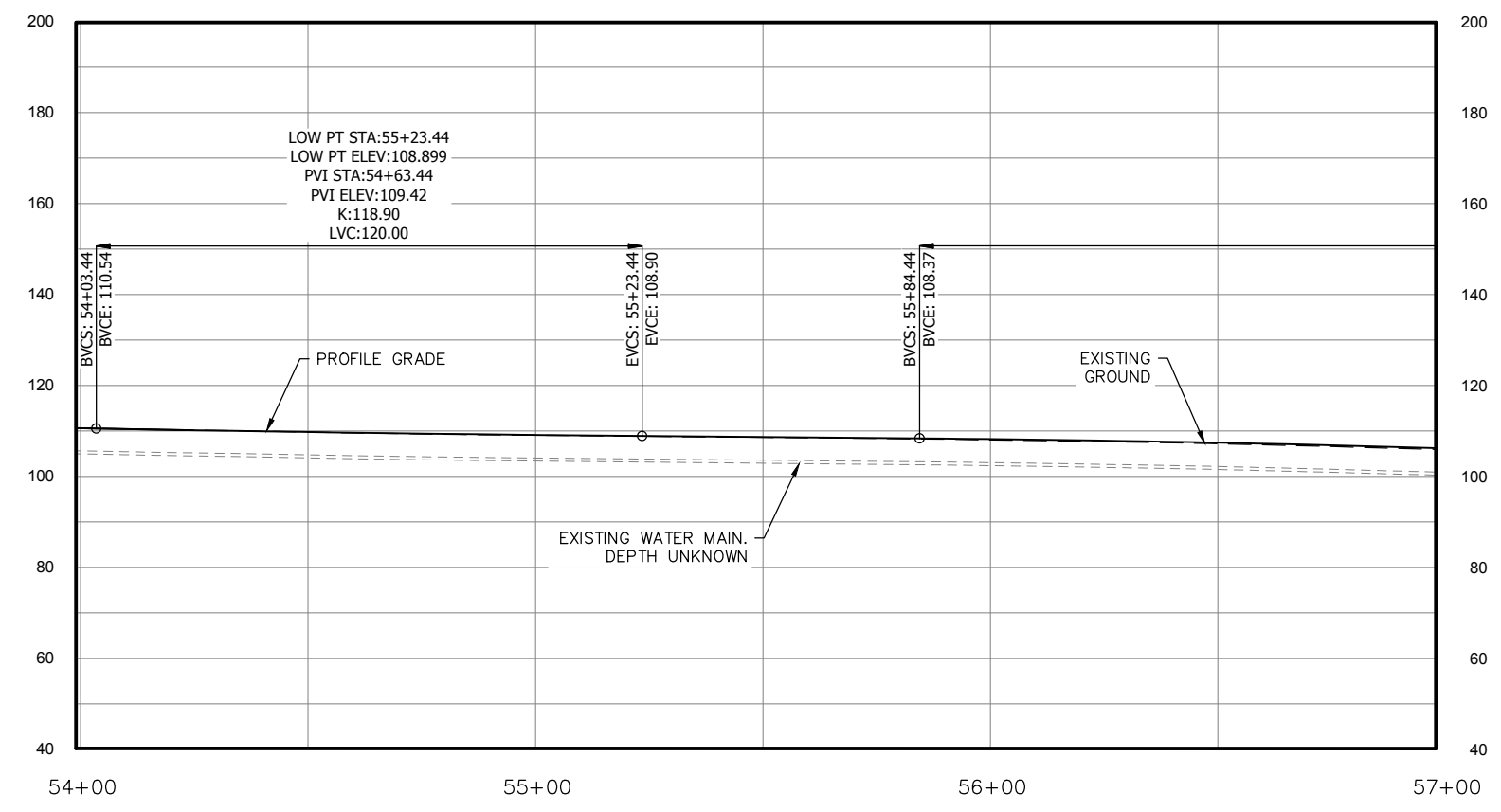


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	F10	66



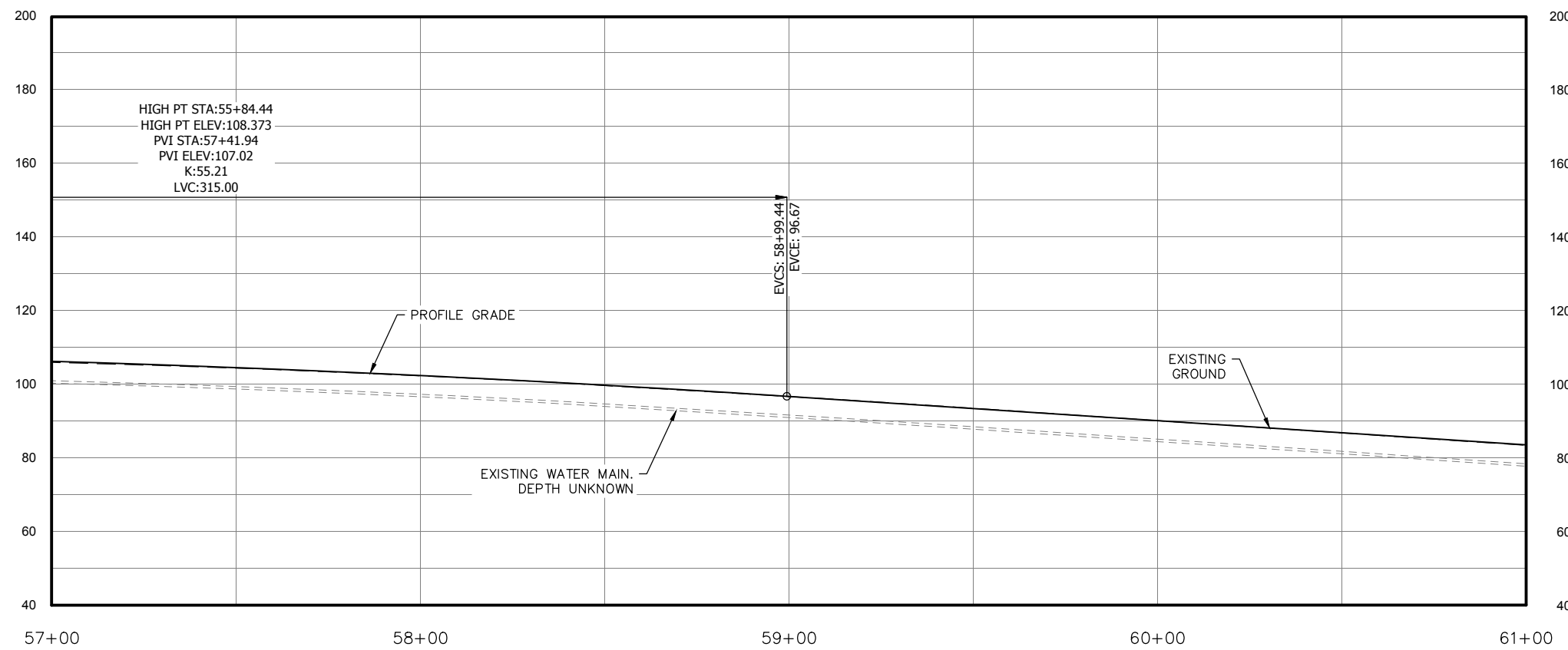
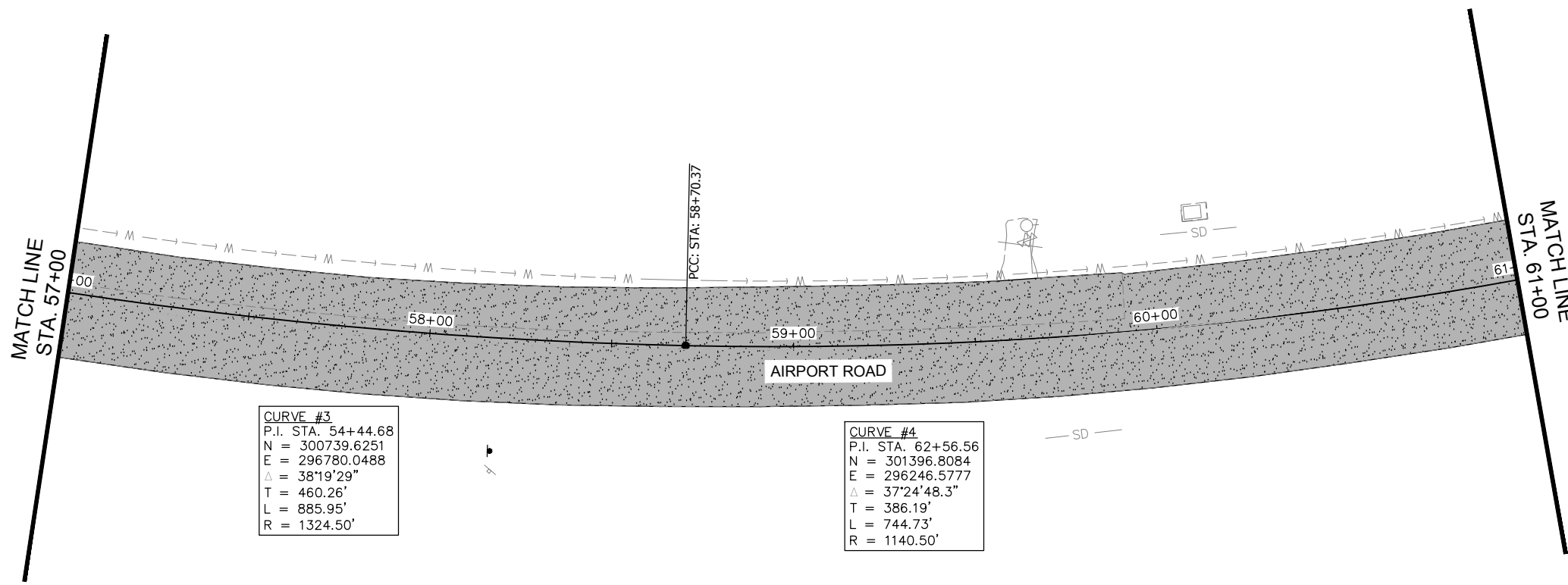
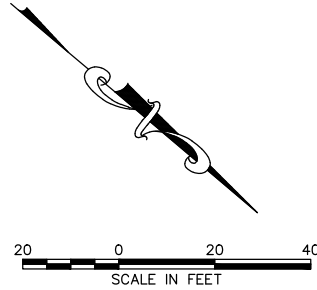
STATION	CENTERLINE			LEFT		RIGHT			REMARKS	
	SIDE	OFFSET	ELEVATION	OFFSET	ELEVATION	CROSS-SLOPE	OFFSET	ELEVATION		CROSS-SLOPE
54+50	LT	.86	109.73	15.38	109.10	-4.3%	14.31	110.27	3.6%	END MILL AND PAVE BASED ON LAYOUT POINTS

NOTES:



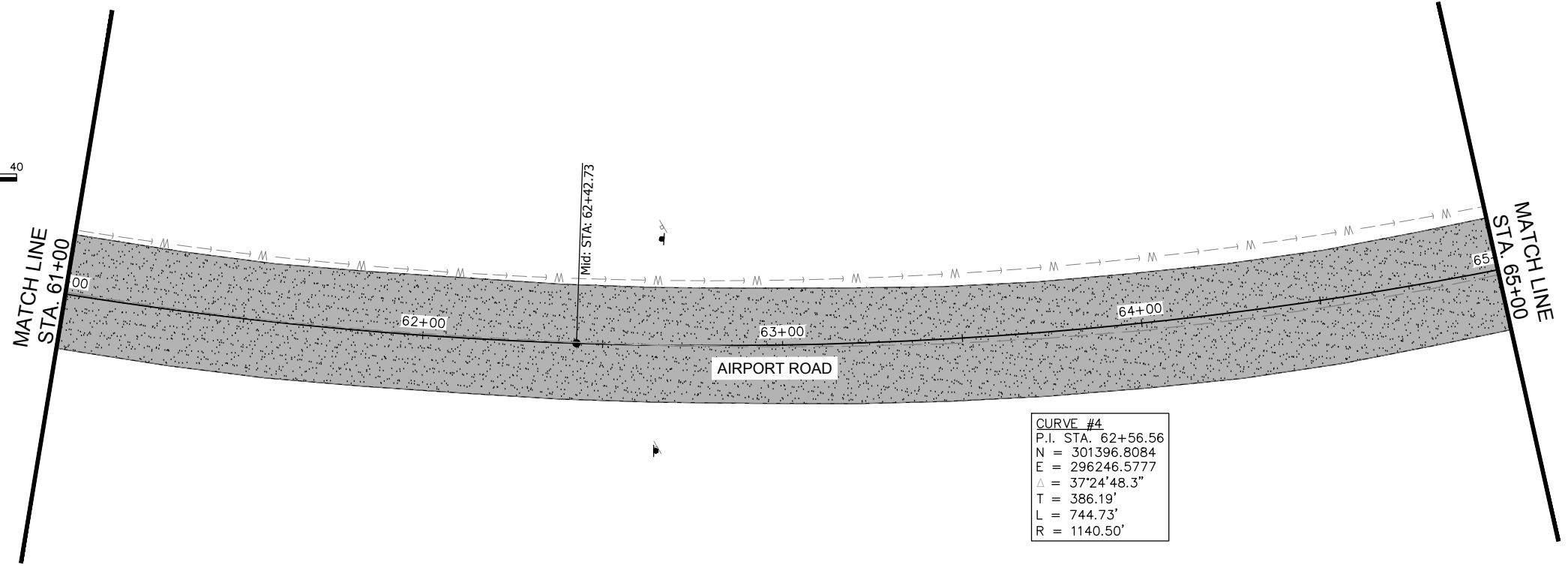
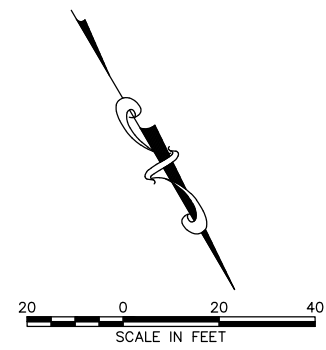
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 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 12/27/2017 16:10 LAYOUT F11
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AEC1848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	F11	66

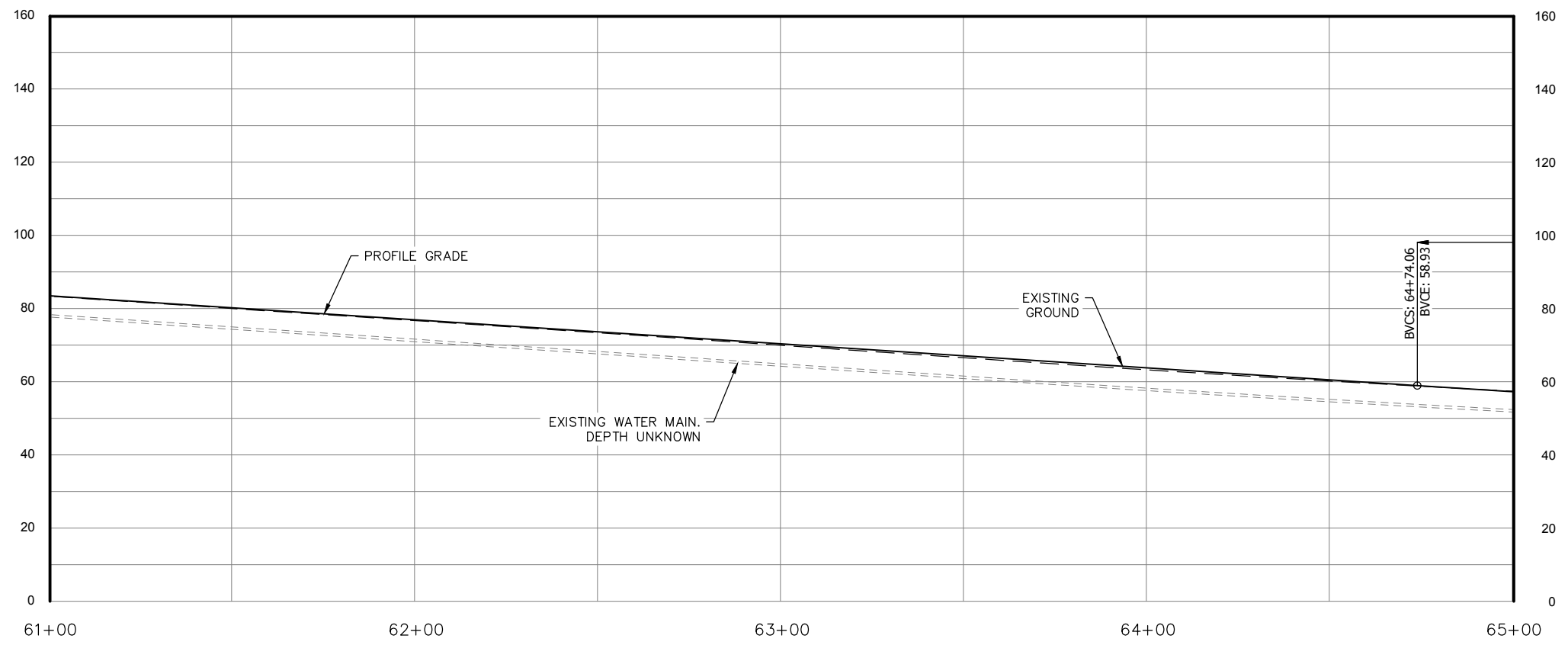


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 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 12/27/2017 16:10 LAYOUT F12
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECIL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F12	66

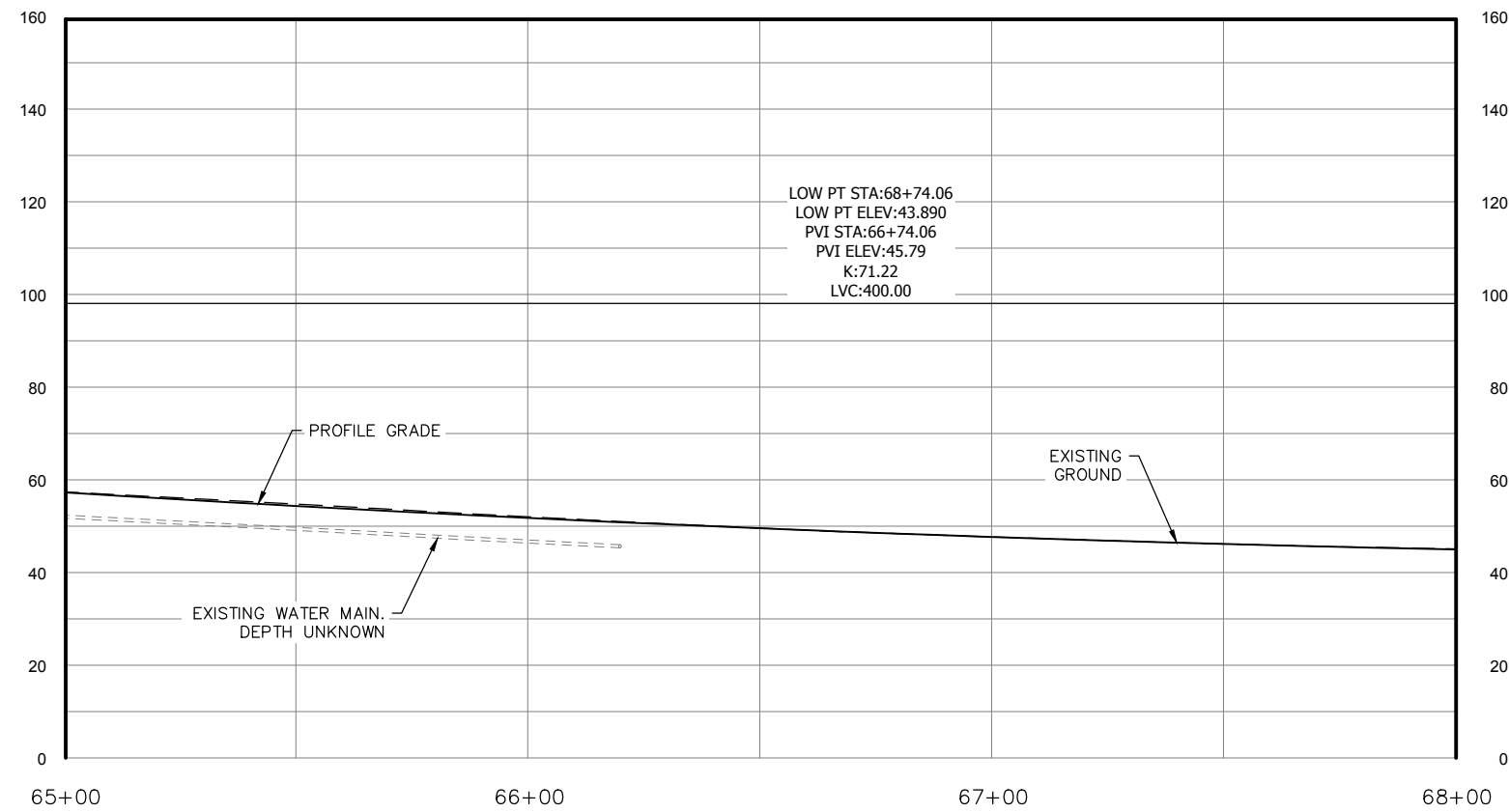
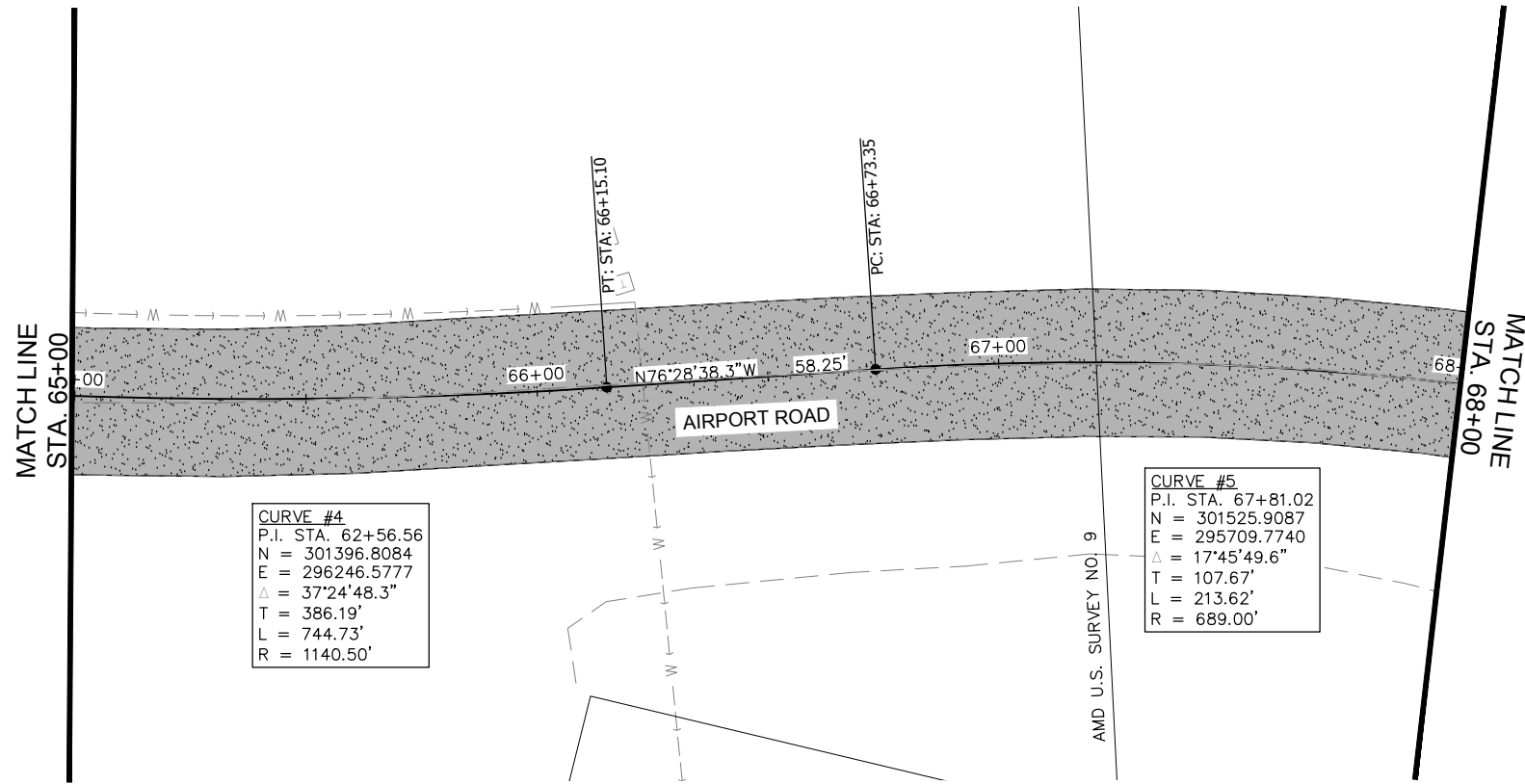


CURVE #4
 P.I. STA. 62+56.56
 N = 301396.8084
 E = 296246.5777
 $\Delta = 37^{\circ}24'48.3''$
 T = 386.19'
 L = 744.73'
 R = 1140.50'



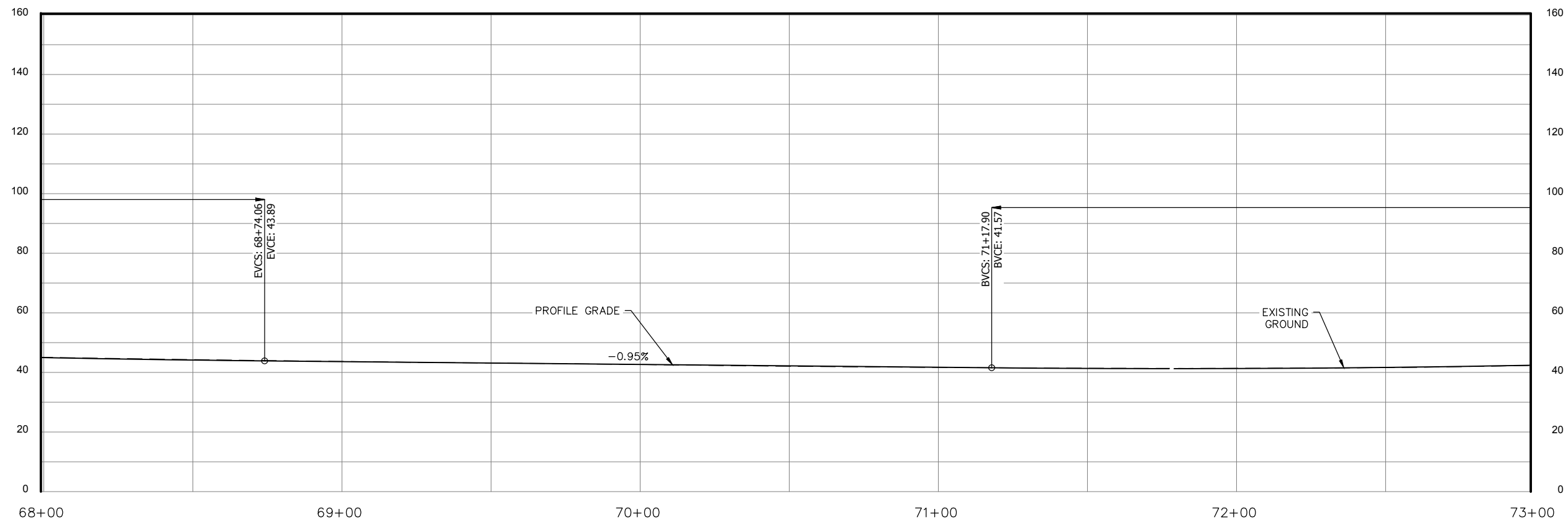
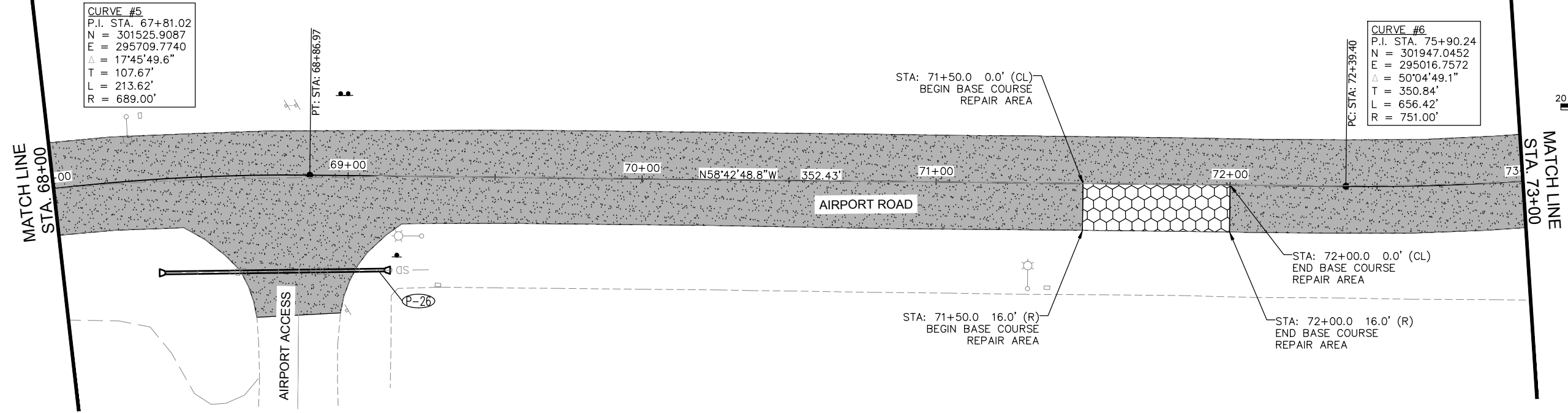
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 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 12/27/2017 16:10 LAYOUT F13
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECIL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F13	66



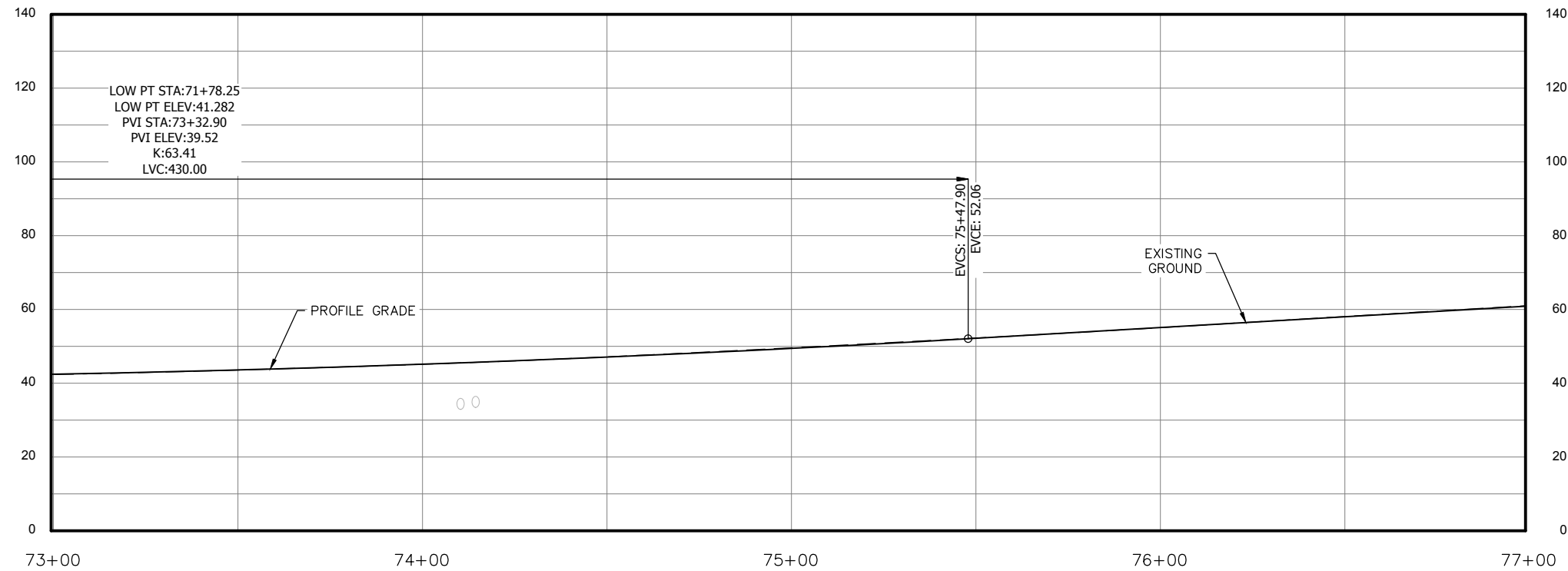
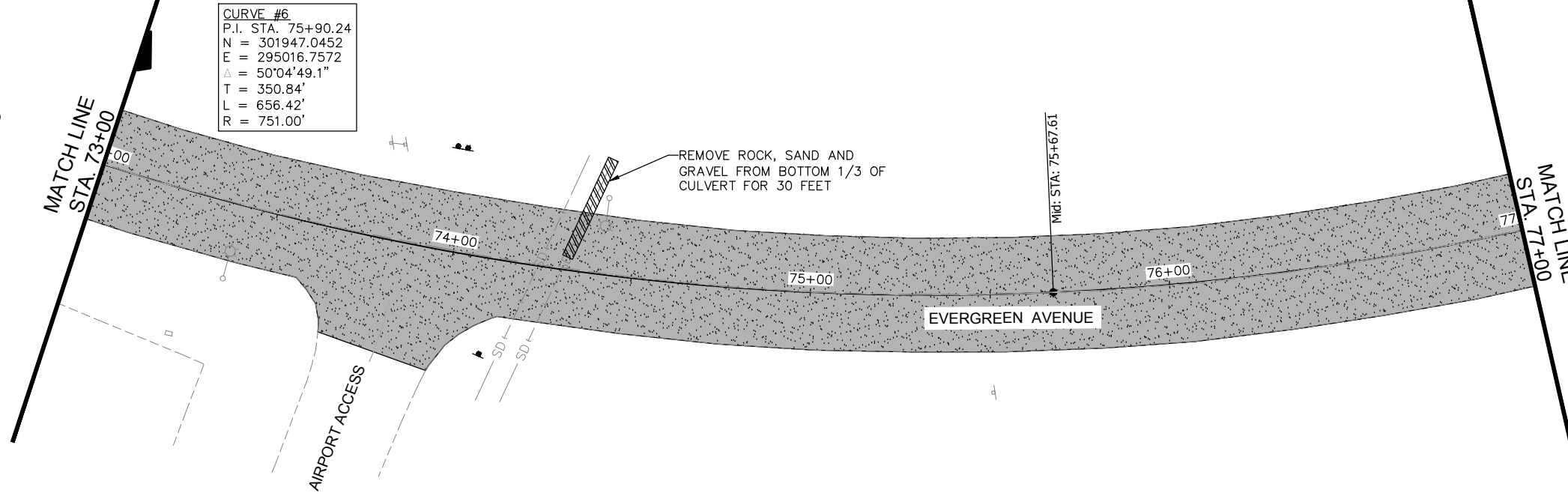
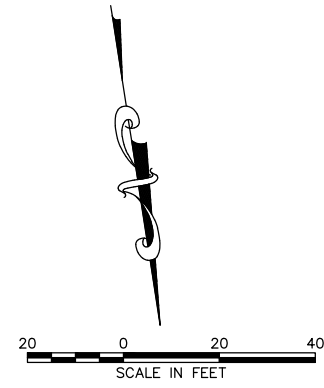
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 FILE: q:\Wrg\sfhy000067\Planset\000067_F1-F16.dwg
 ADDRESS: 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 PHONE: (907) 780-3533
 DESIGNED: LOCKHART
 CHECKED: VOORHEES
 DRAFTED: SLATTEN, RG
 CERTIFICATE OF AUTH #: AECLB48

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	F14	66



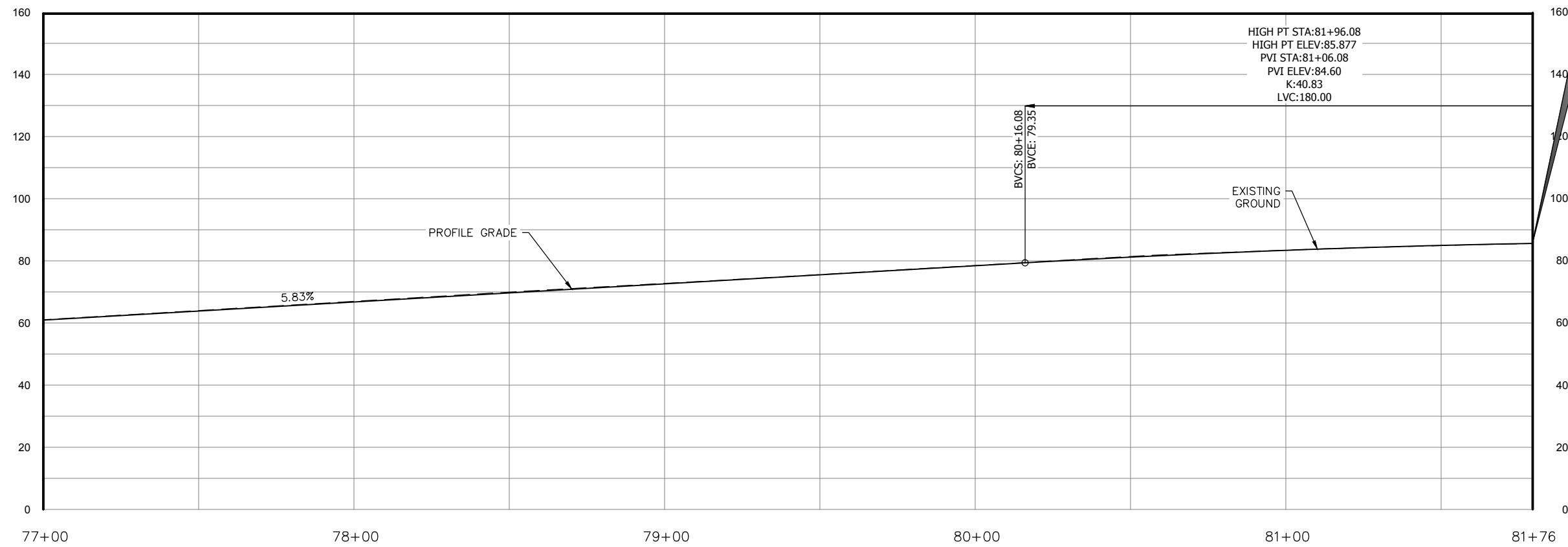
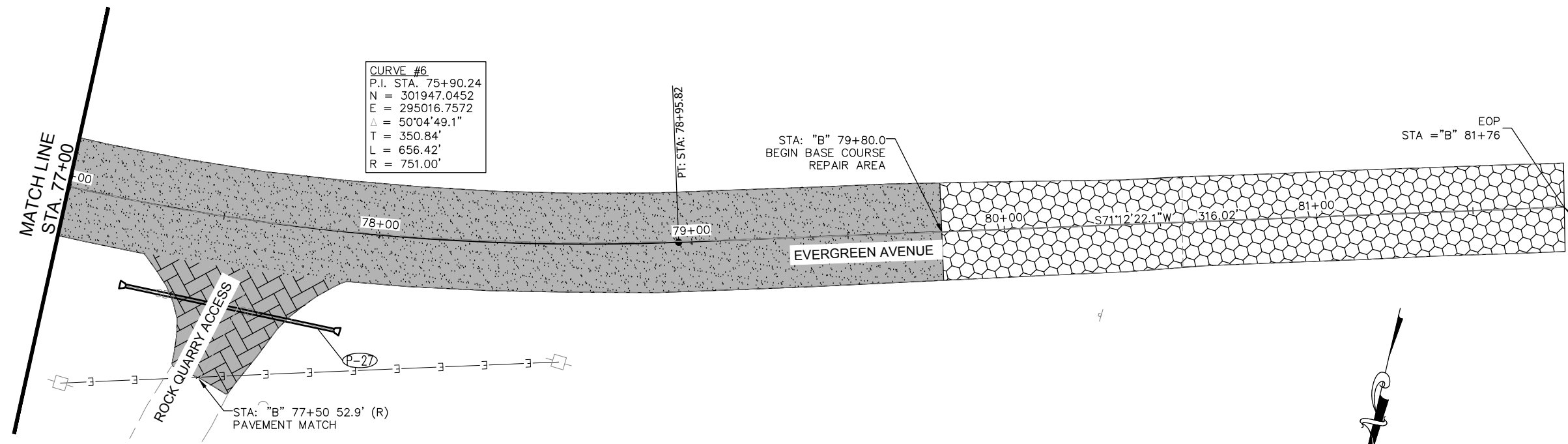
FIRM DOWL
 FILE q:\Wrg\sfhy\000067\Planset\000067_F1-F16.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 12/27/2017 16:10 LAYOUT F15
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECIL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	F15	66



FIRM DOWL
 FILE q:\Wrg\sfhy\000067\Plan\set\000067_F1-F16.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 12/27/2017 16:10 LAYOUT F16
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VORRHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECILB48

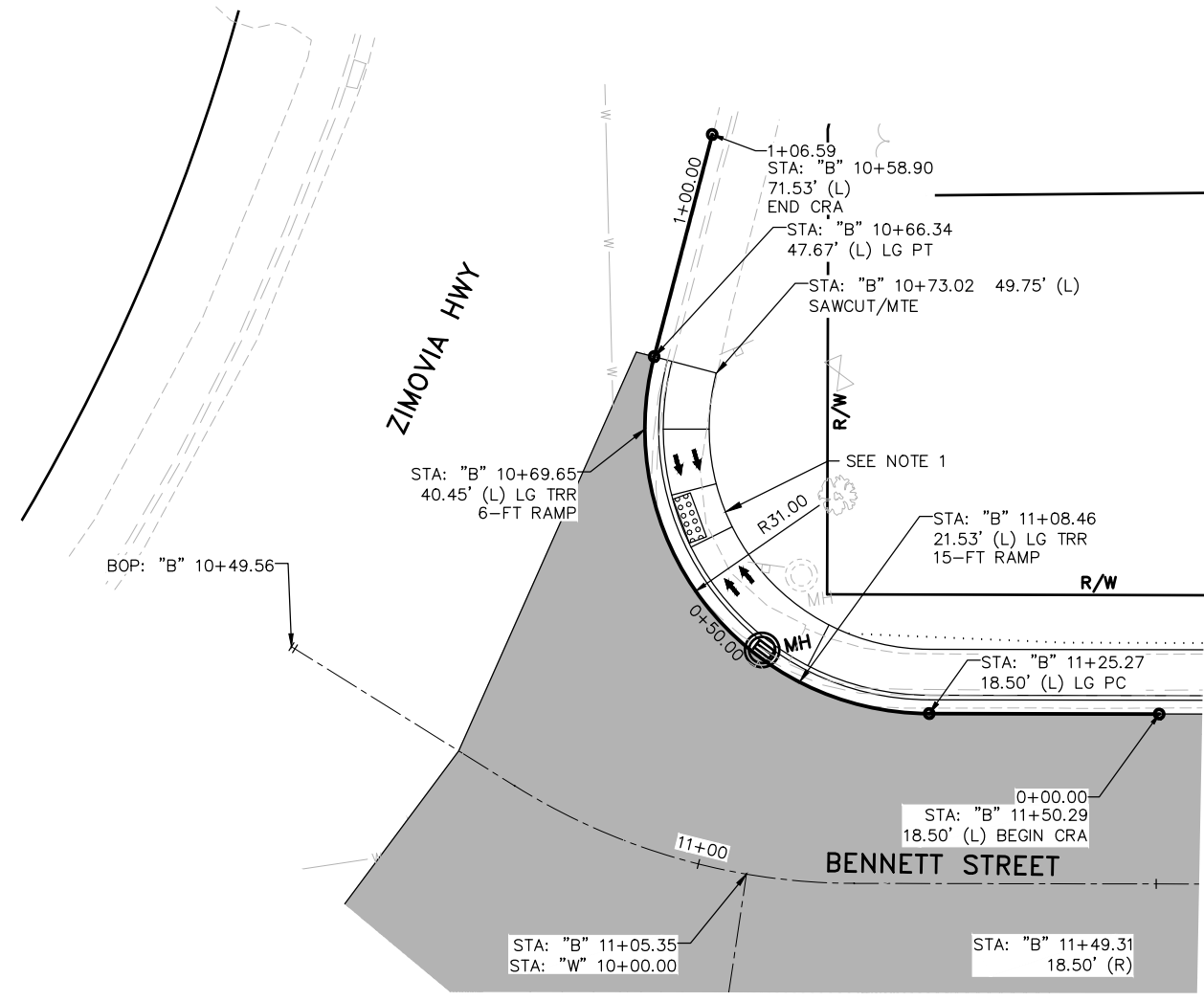
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	F16	66



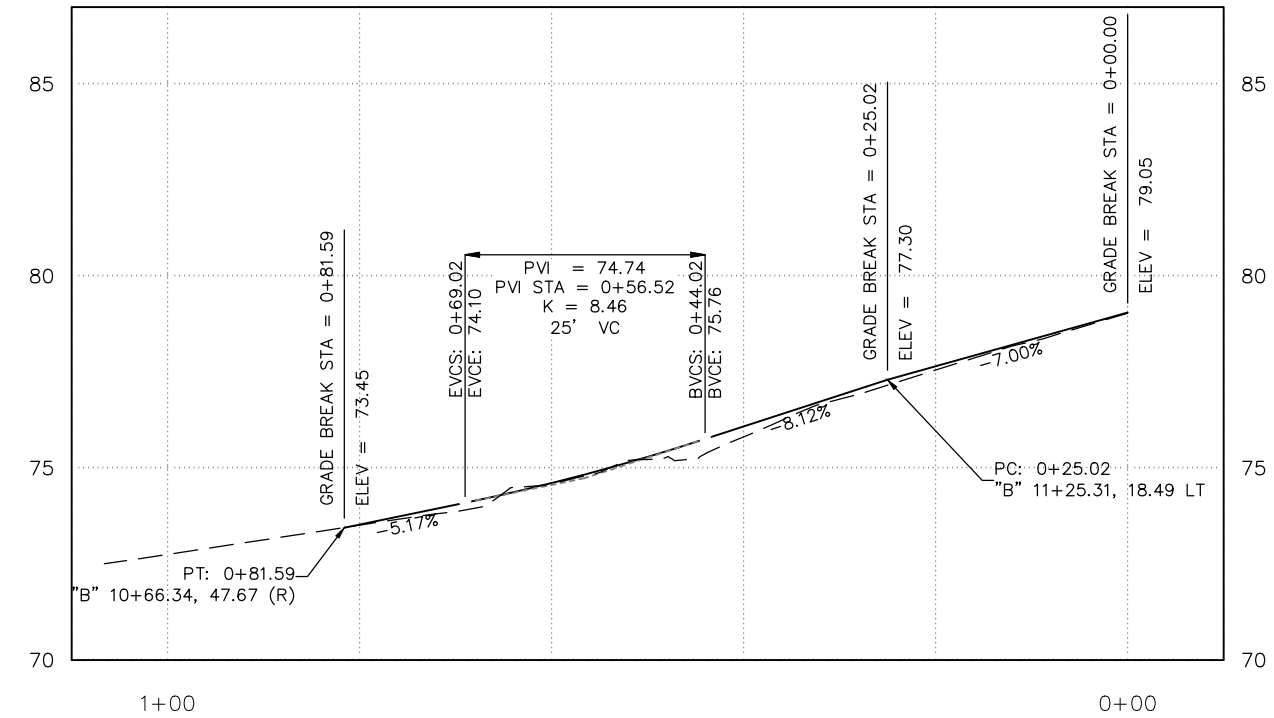
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	G1	66

NOTES:

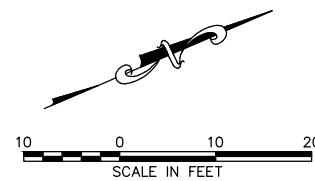
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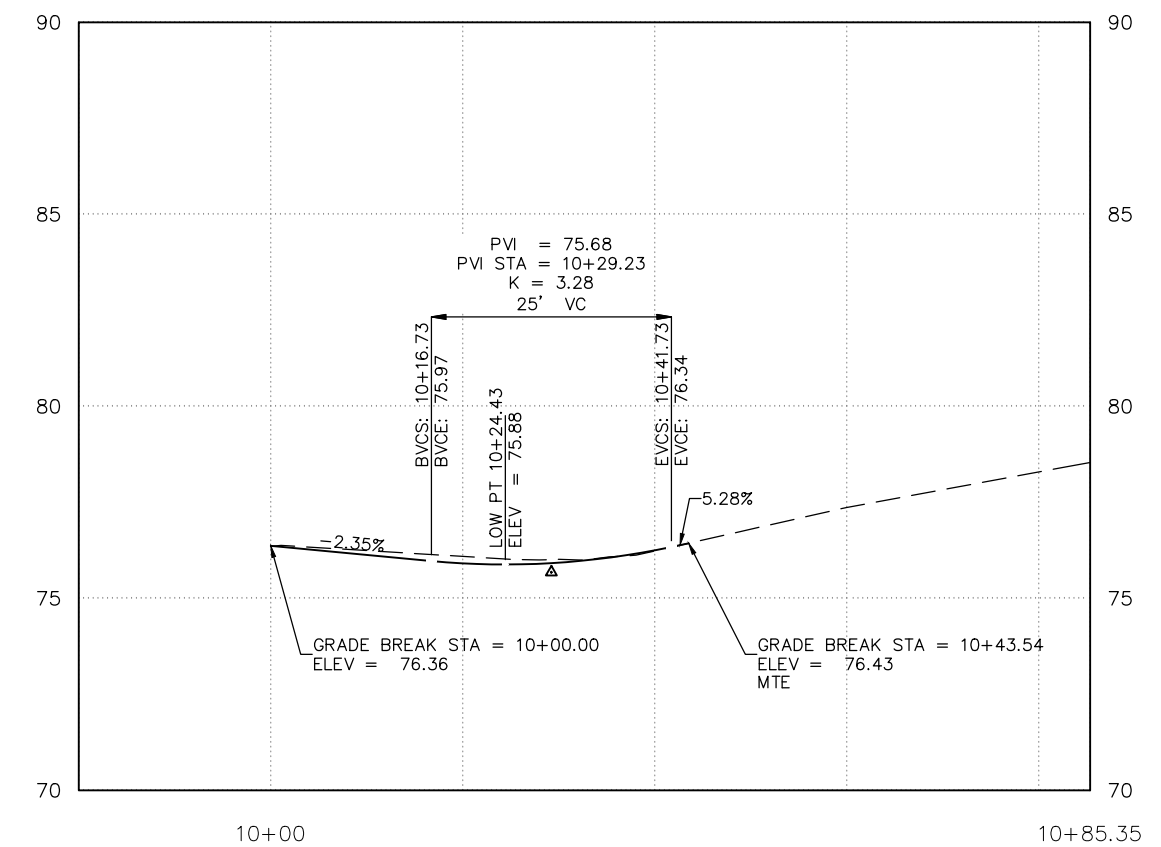
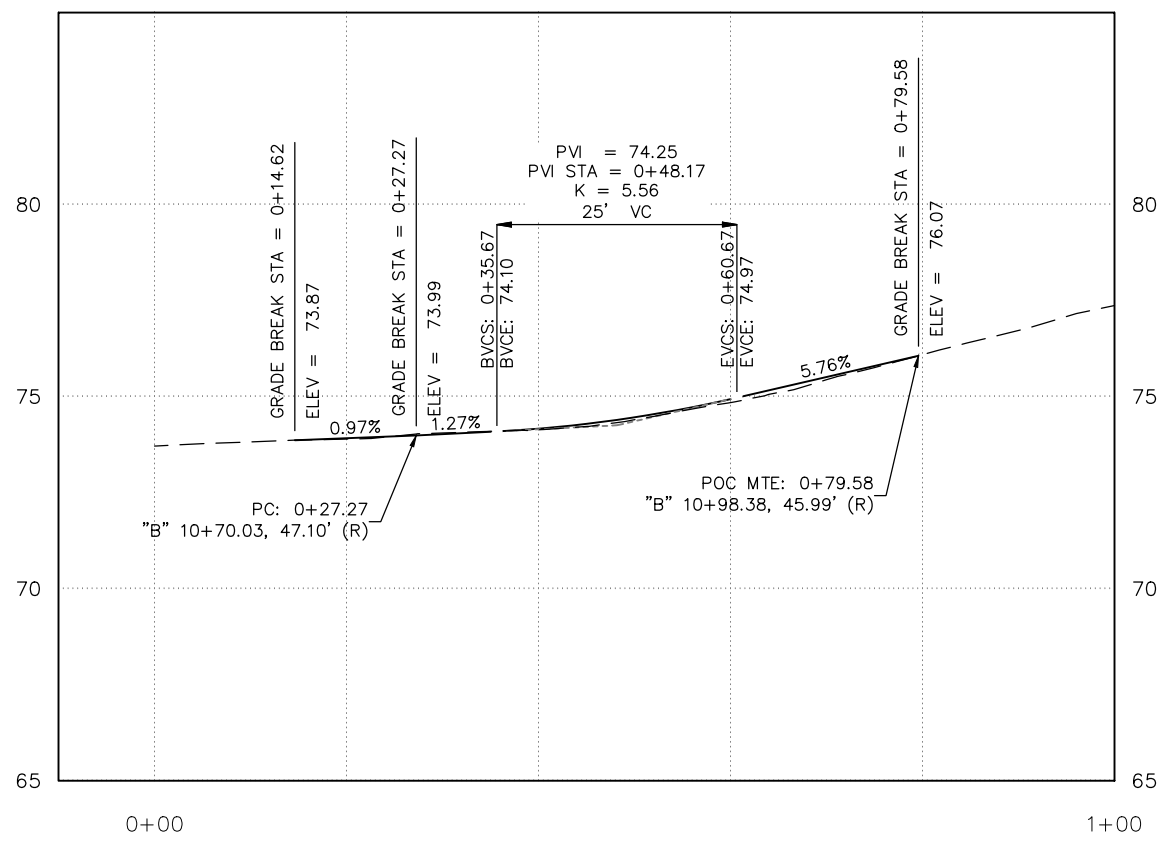
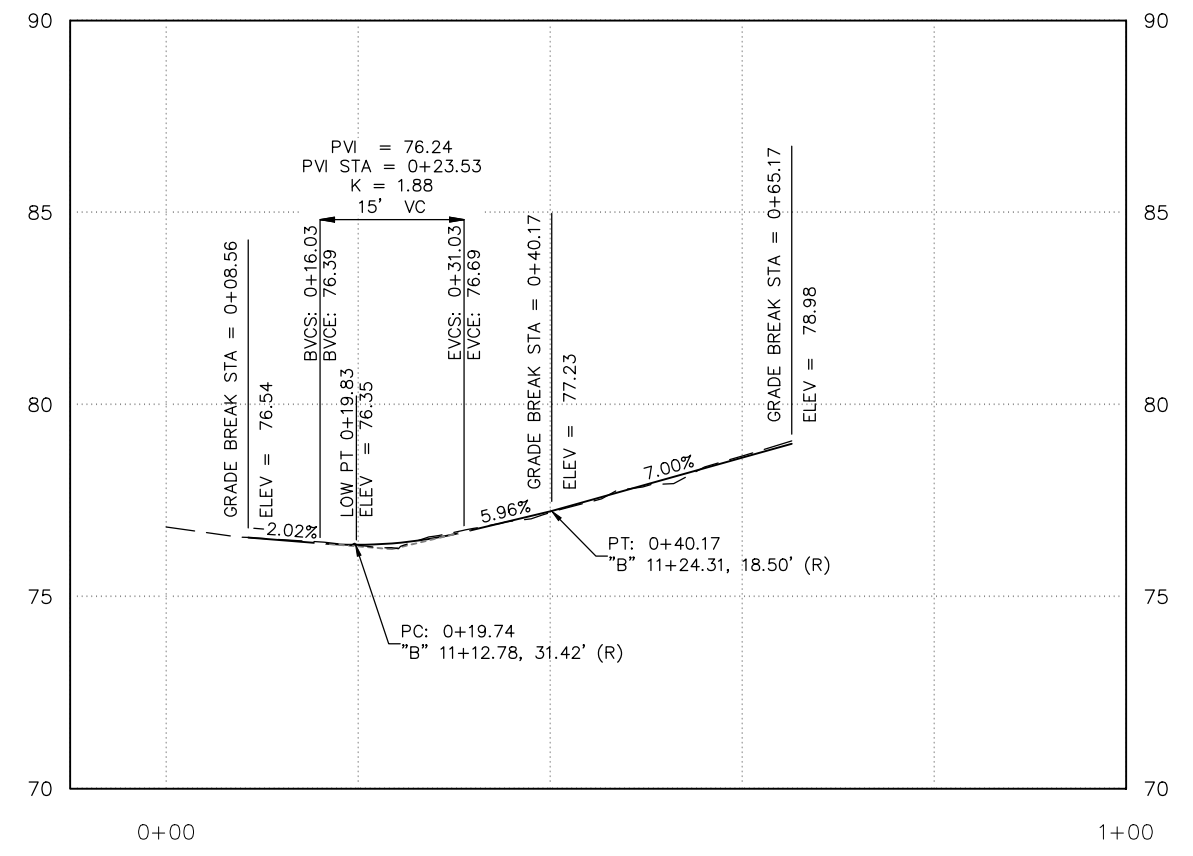
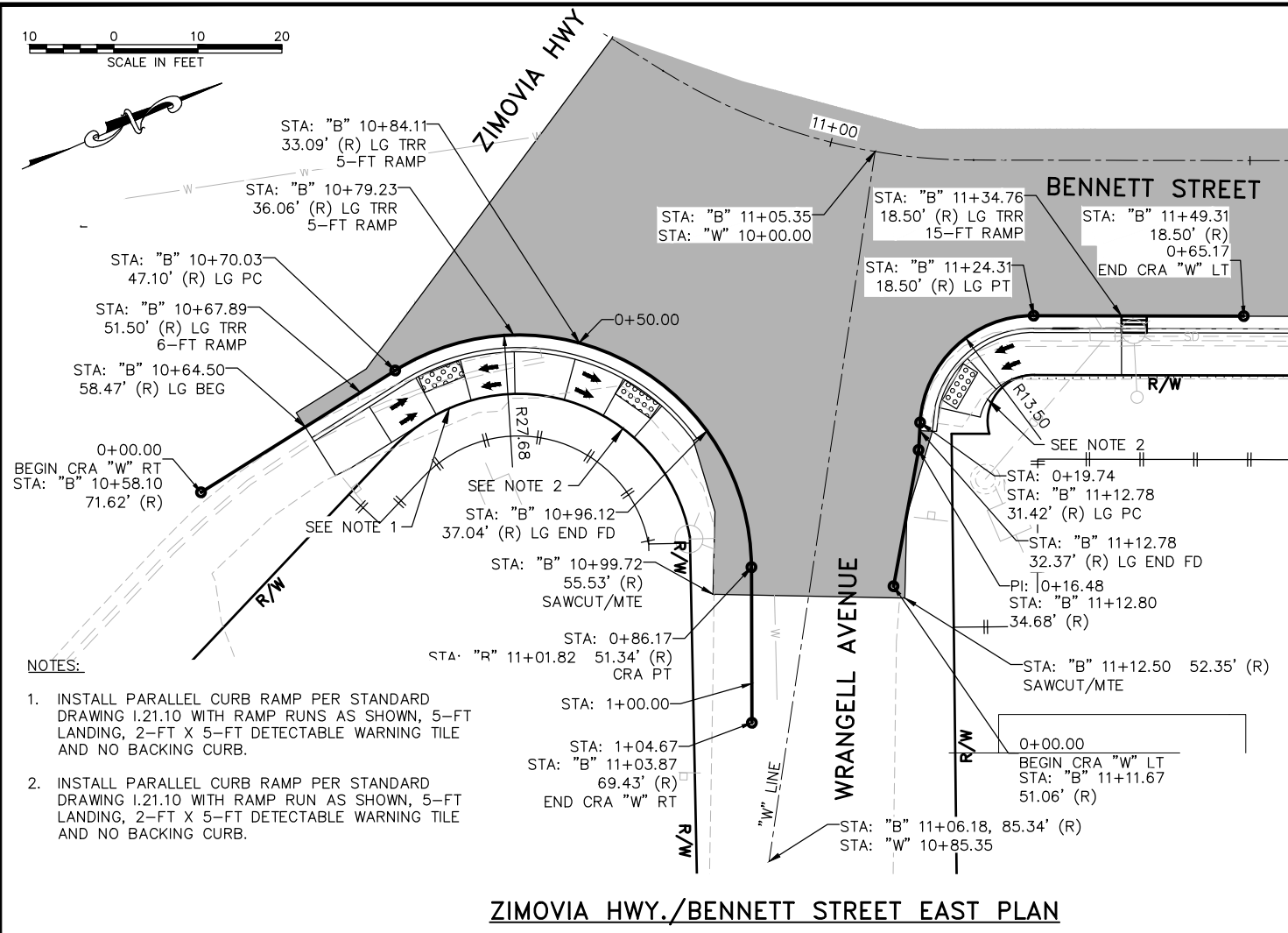
ZIMOVIA HWY / BENNETT STREET WEST PLAN



BENNETT STREET WEST CURB RETURN PROFILE - ZIMOVIA HWY



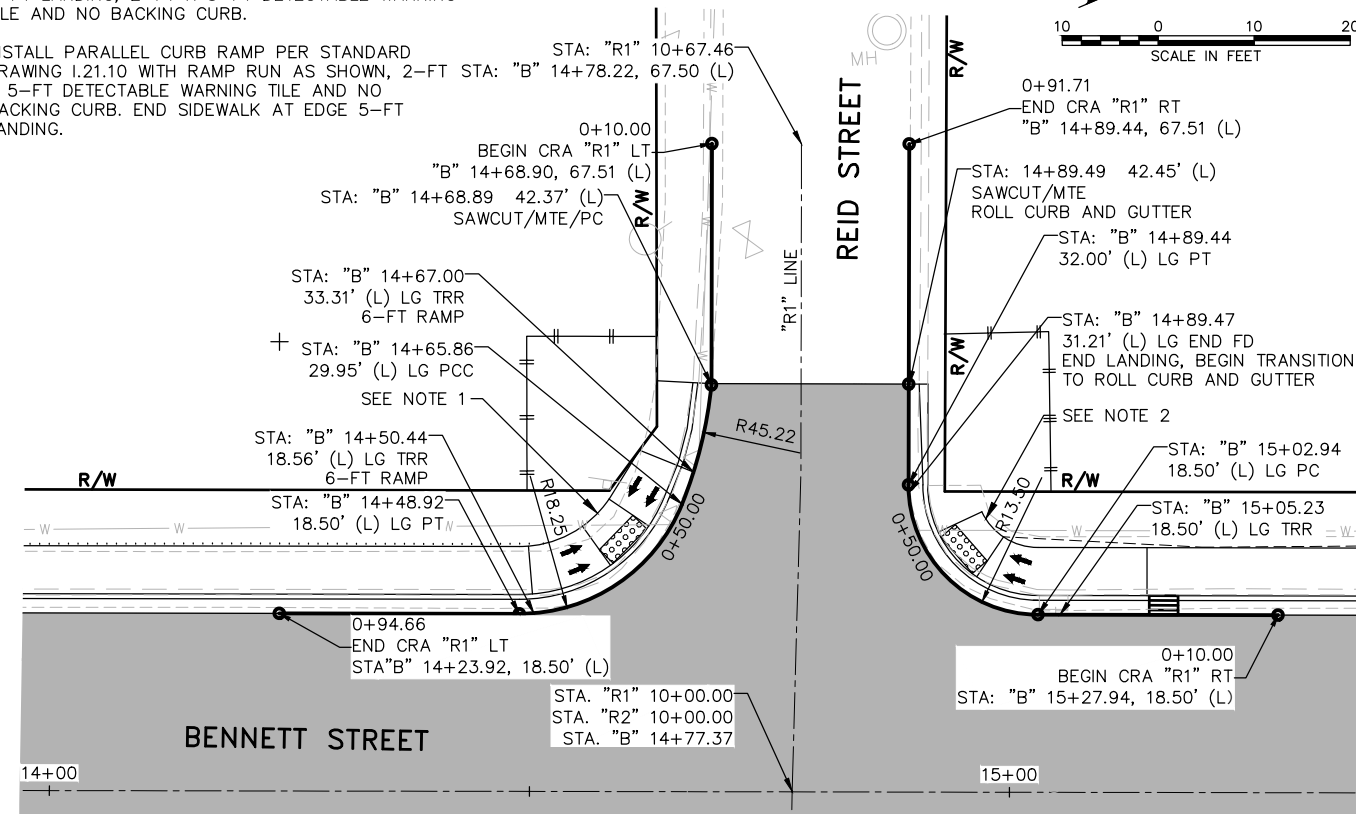
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	G2	66



FIRM: DOWL
 FILE: q:\Wrg\sfhy000067\Planset\000067_G1-G7.dwg
 ADDRESS: 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 PHONE: (907) 780-3533
 CERTIFICATE OF AUTH #: AECL848
 DRAFTED: SLATTEN, RG
 CHECKED: VOORHEES
 DESIGNED: LOCKHART
 DATE: 5/4/2018 11:00
 LAYOUT: G3

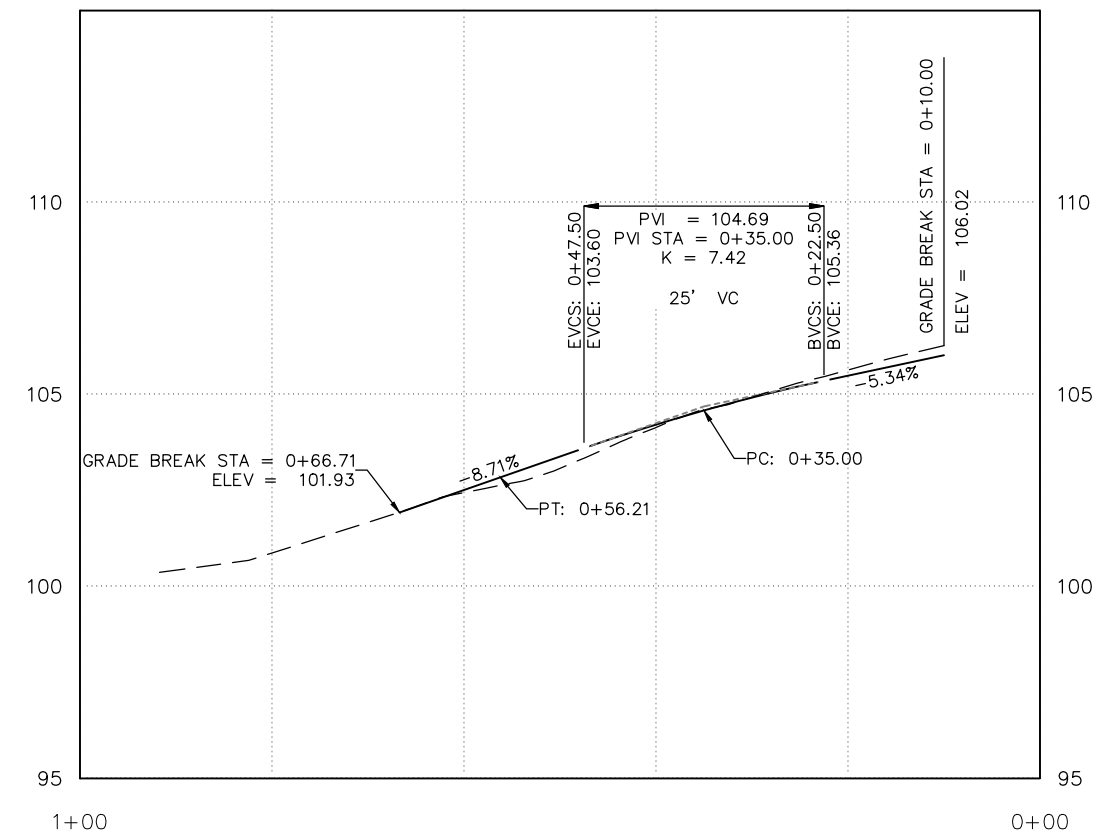
NOTES:

1. INSTALL PARALLEL CURB RAMP PER STANDARD DRAWING I.21.10 WITH RAMP RUNS AS SHOWN, 5-FT LANDING, 2-FT X 5-FT DETECTABLE WARNING TILE AND NO BACKING CURB.
2. INSTALL PARALLEL CURB RAMP PER STANDARD DRAWING I.21.10 WITH RAMP RUN AS SHOWN, 2-FT STA: "B" 14+78.22, 67.50 (L) X 5-FT DETECTABLE WARNING TILE AND NO BACKING CURB. END SIDEWALK AT EDGE 5-FT LANDING.

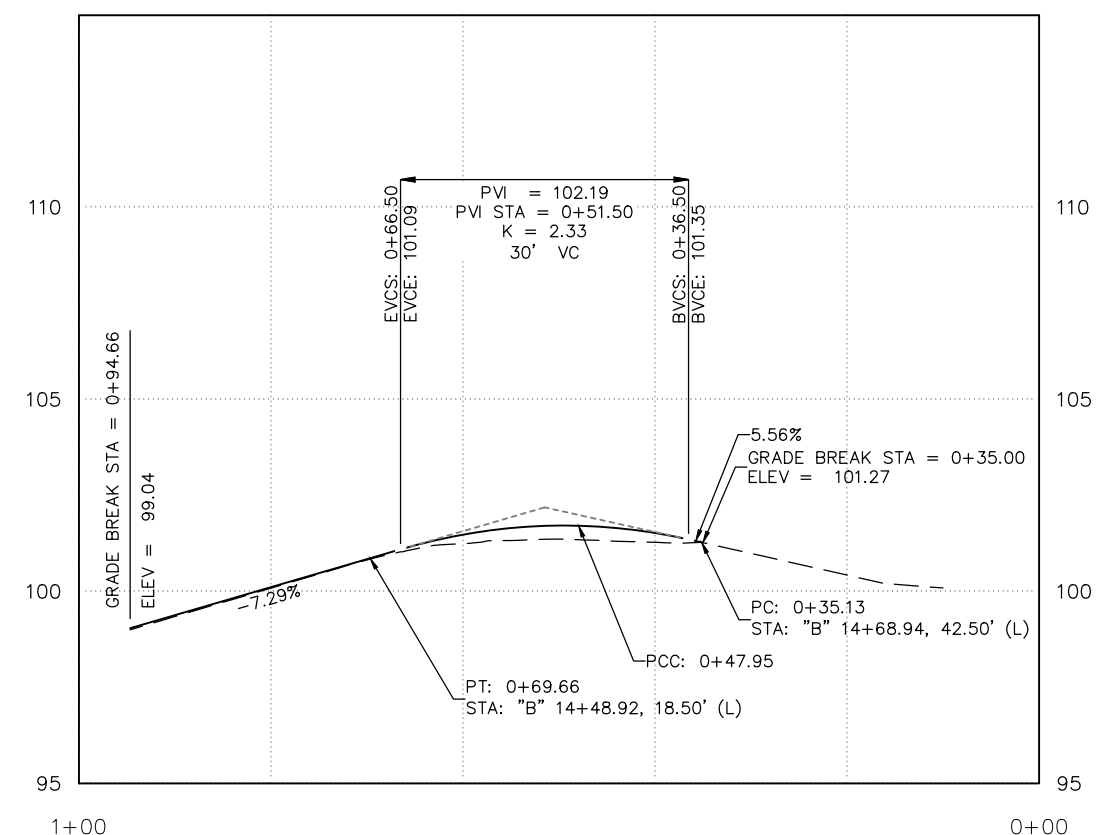


BENNETT STREET/REID STREET WEST PLAN

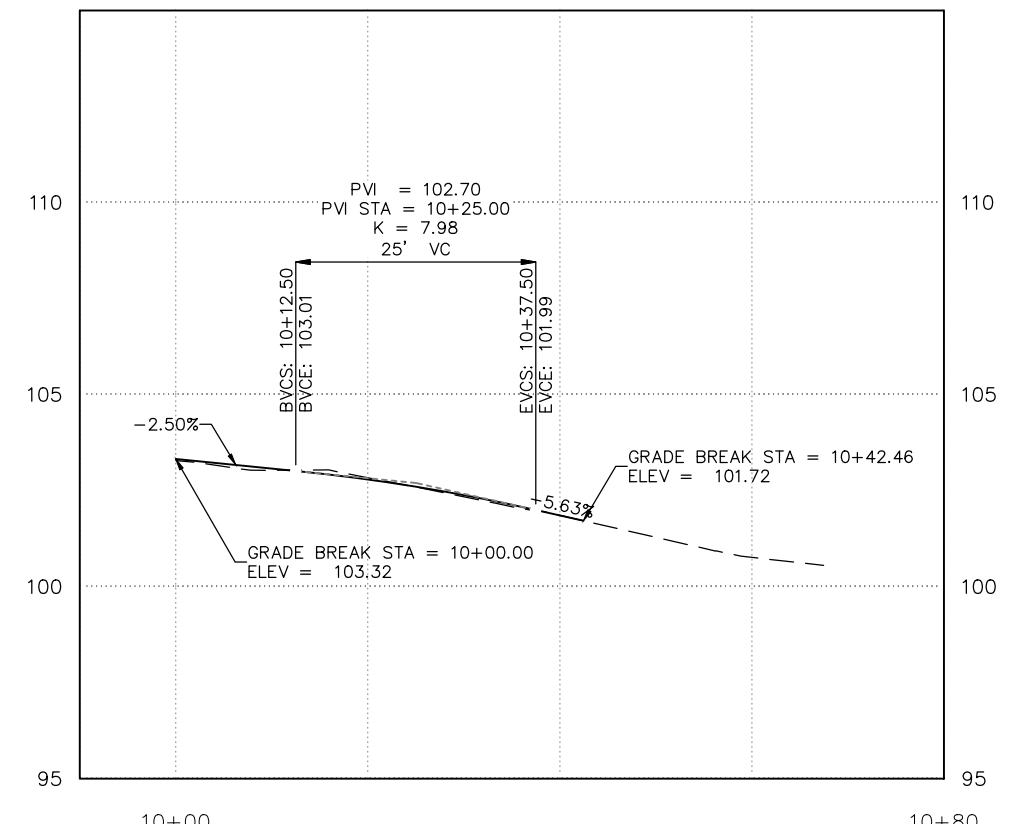
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	G3	66



"R1" RT CURB RETURN PROFILE - REID STREET WEST



"R1" LT CURB RETURN PROFILE - REID STREET WEST

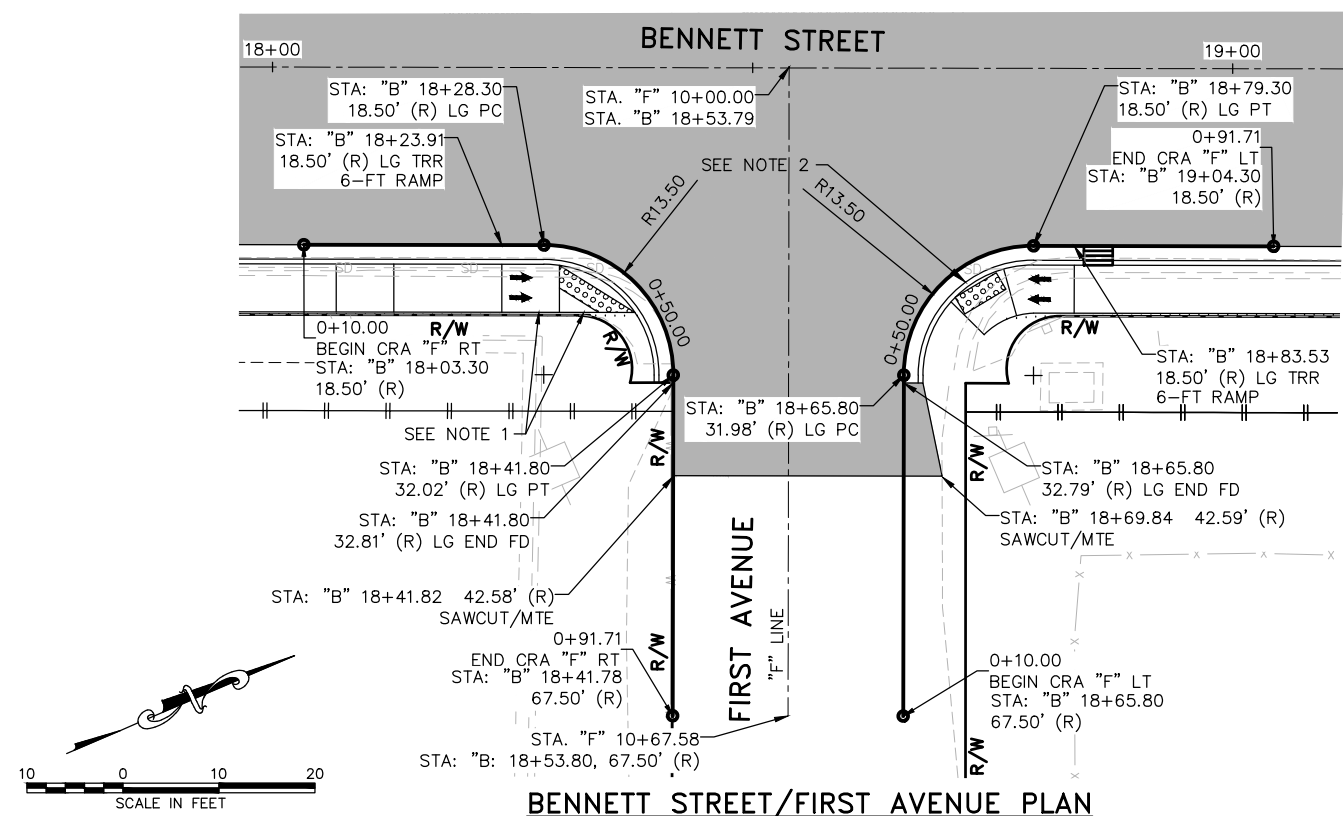


"R1" CENTERLINE PROFILE - REID STREET WEST

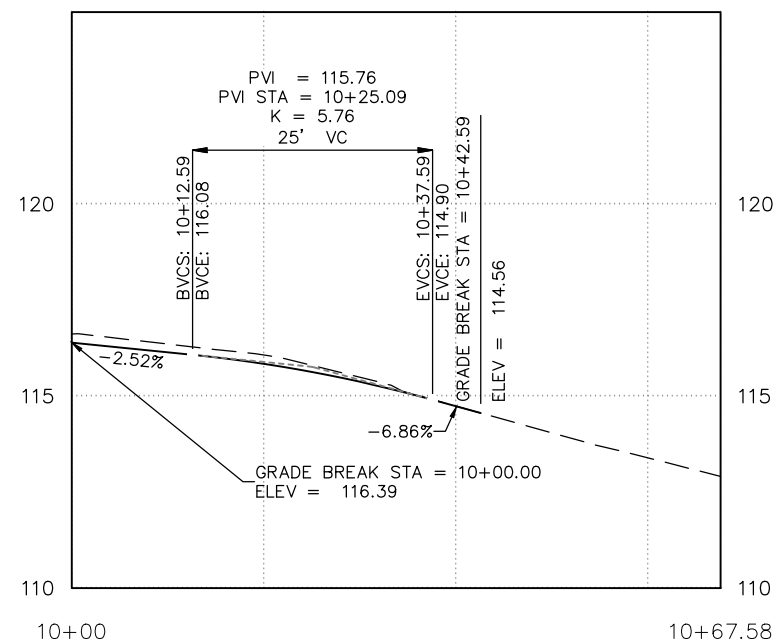
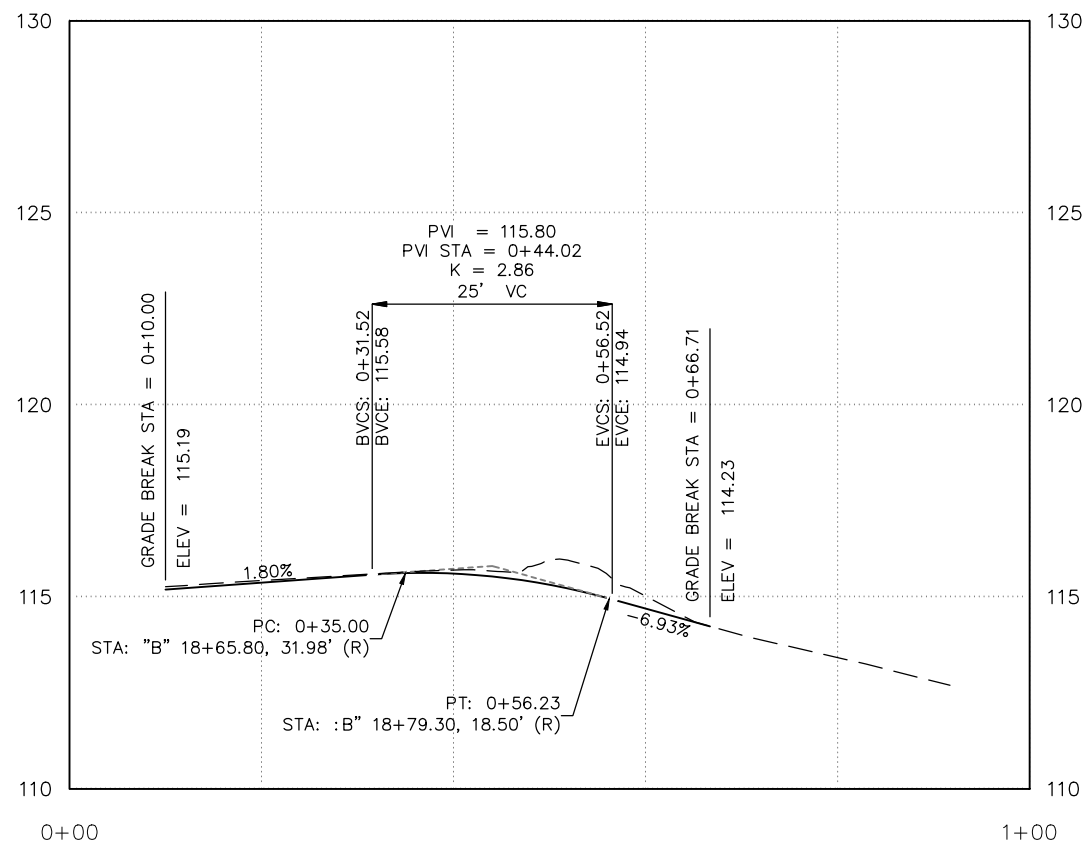
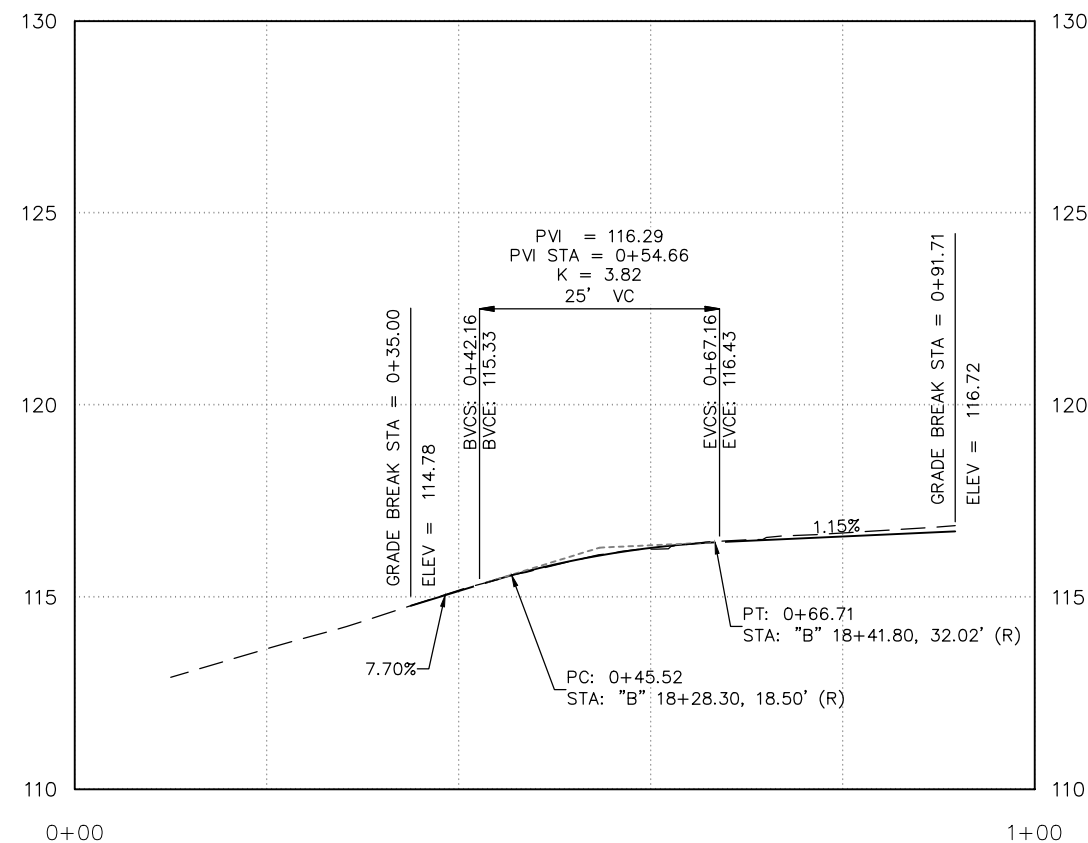
FIRM DOWL
 FILE q:\Wrg\sfhy000067\Plans\000067_G1-G7.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 PHONE (907) 780-3533
 CERTIFICATE OF AUTH # AECI848
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 DATE 5/4/2018 11:00 LAYOUT G5

NOTES:

- SEE UNIDIRECTIONAL CURB RAMP DETAIL, SHEET E4.
- INSTALL PARALLEL CURB RAMP PER STANDARD DRAWING I.21.10 WITH ONE 6-FT RAMP RUN, 2-FT X 5-FT DETECTABLE WARNING TILE AND NO BACKING CURB. END SIDEWALK AT EDGE 5-FT SIDEWALK.

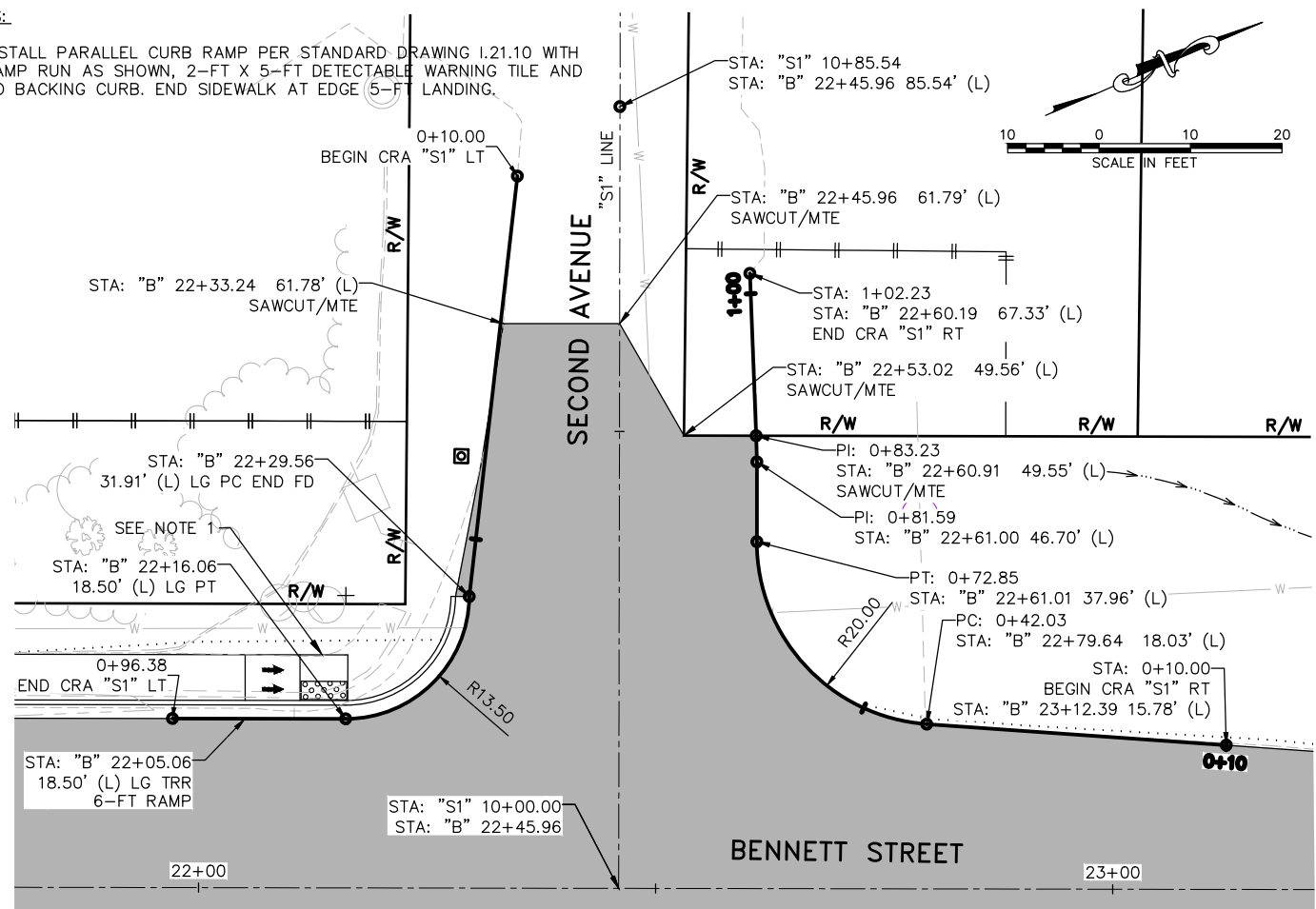


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	G5	66

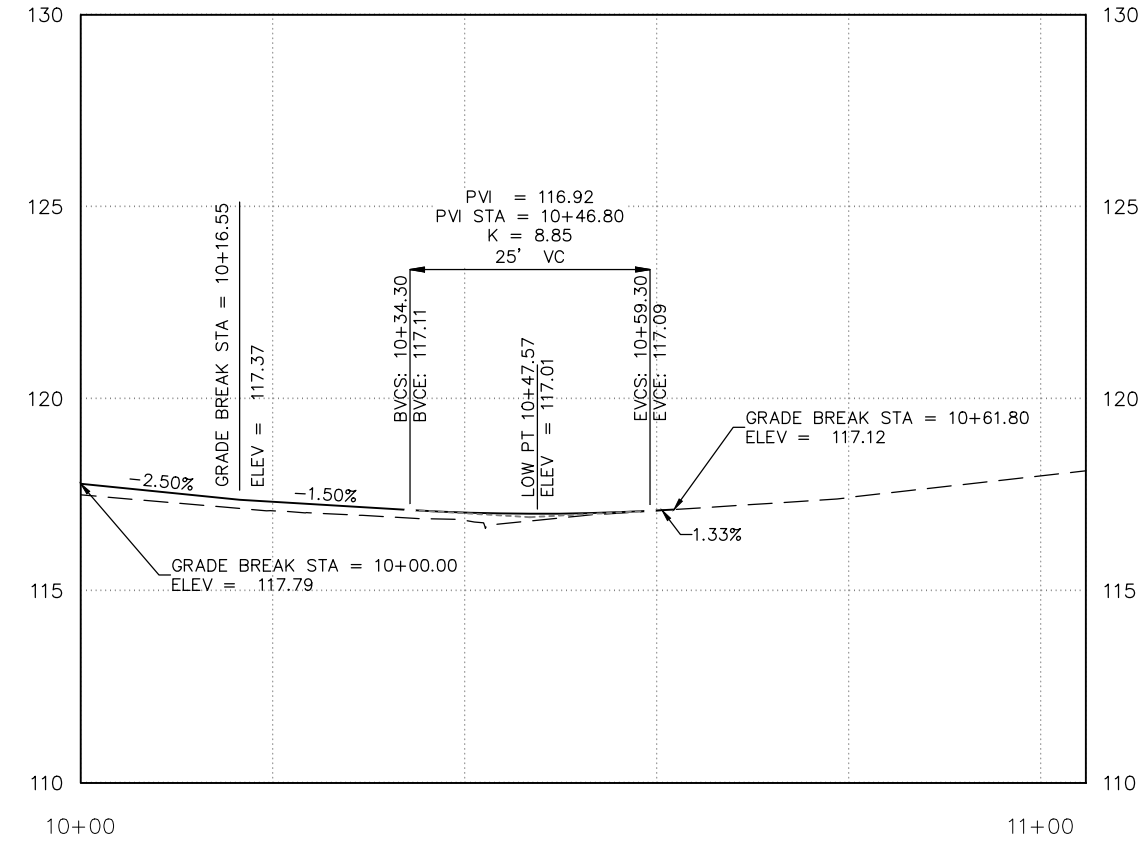
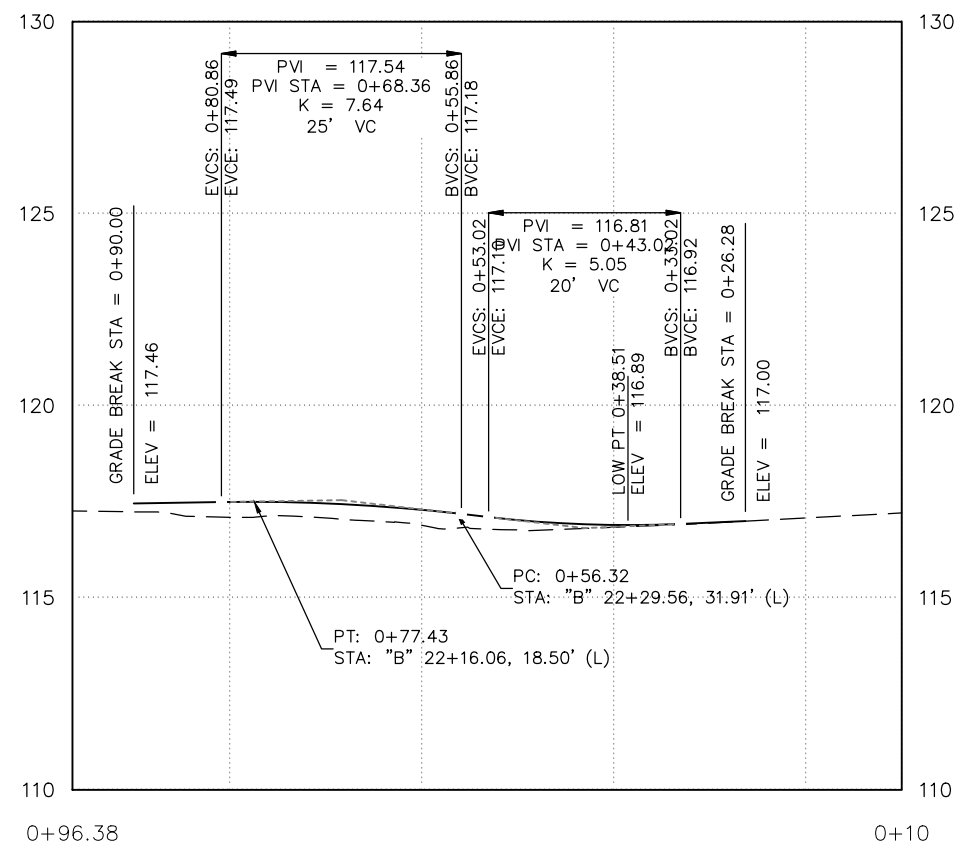
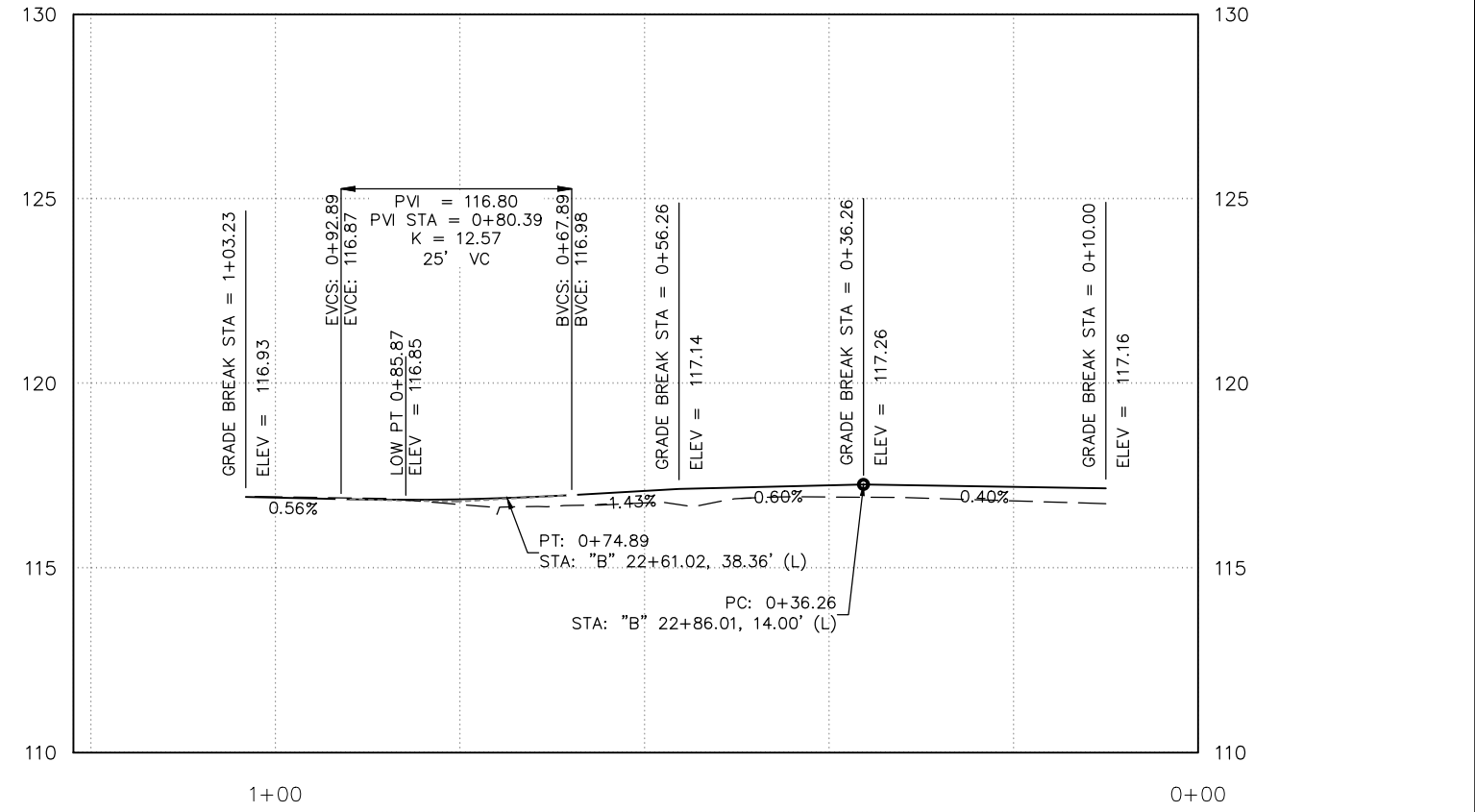


NOTES:

- INSTALL PARALLEL CURB RAMP PER STANDARD DRAWING I.21.10 WITH RAMP RUN AS SHOWN, 2-FT X 5-FT DETECTABLE WARNING TILE AND NO BACKING CURB. END SIDEWALK AT EDGE 5-FT LANDING.

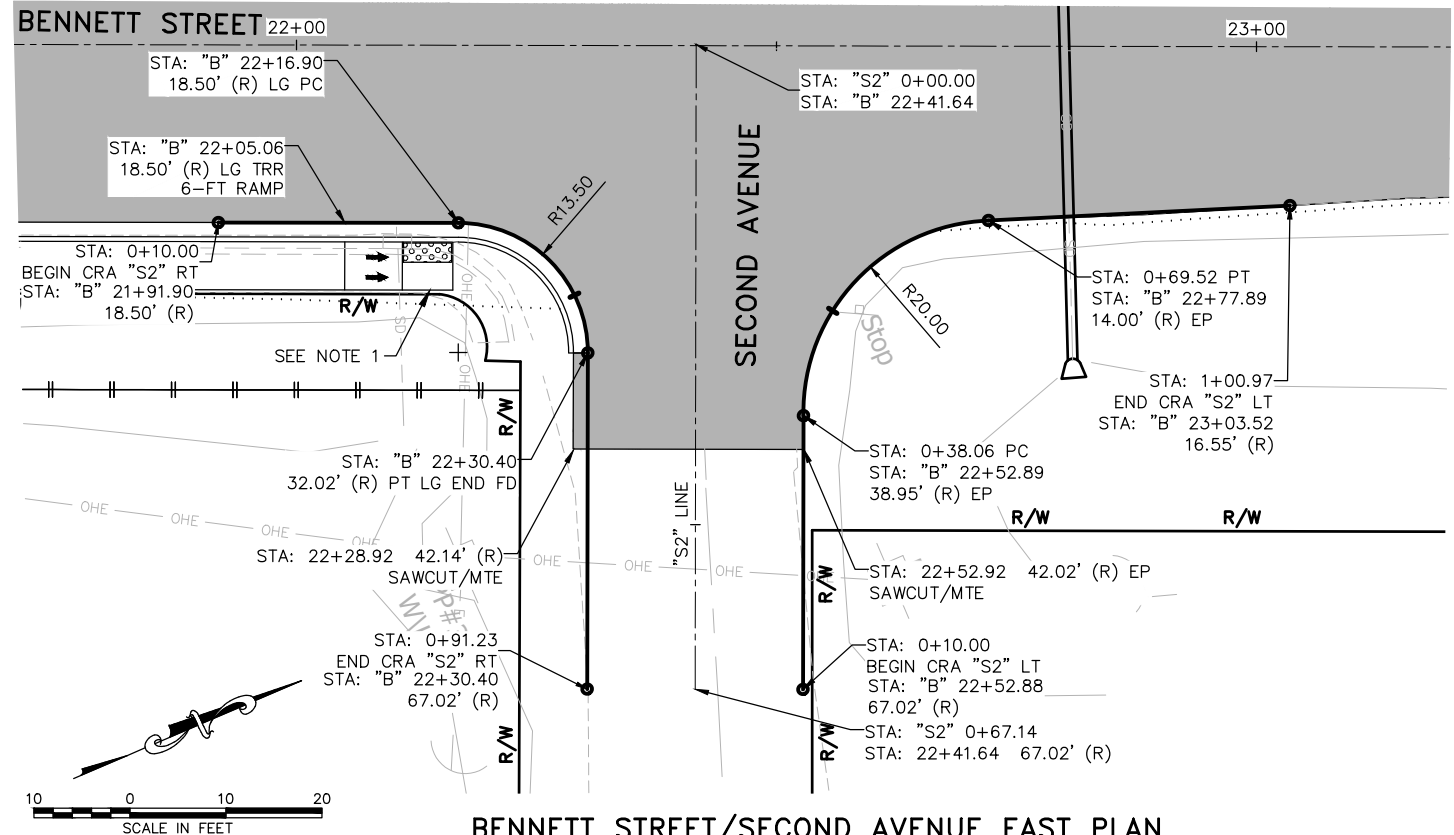


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	G6	66

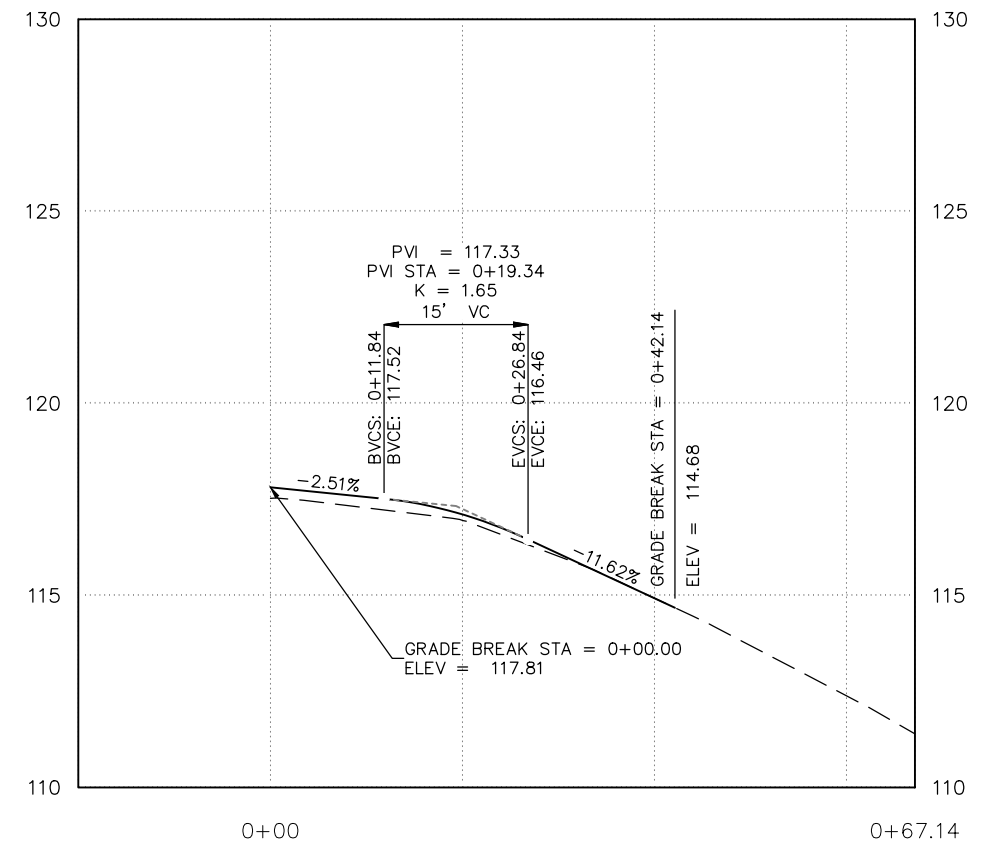
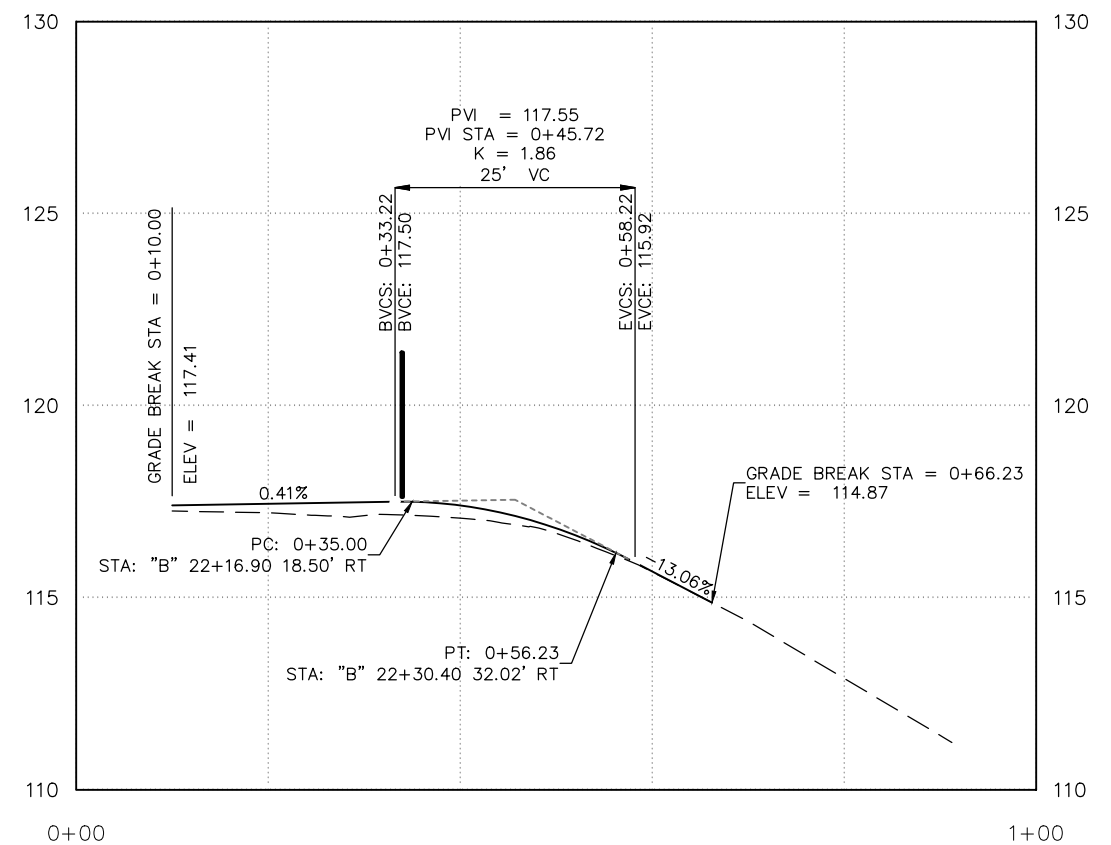
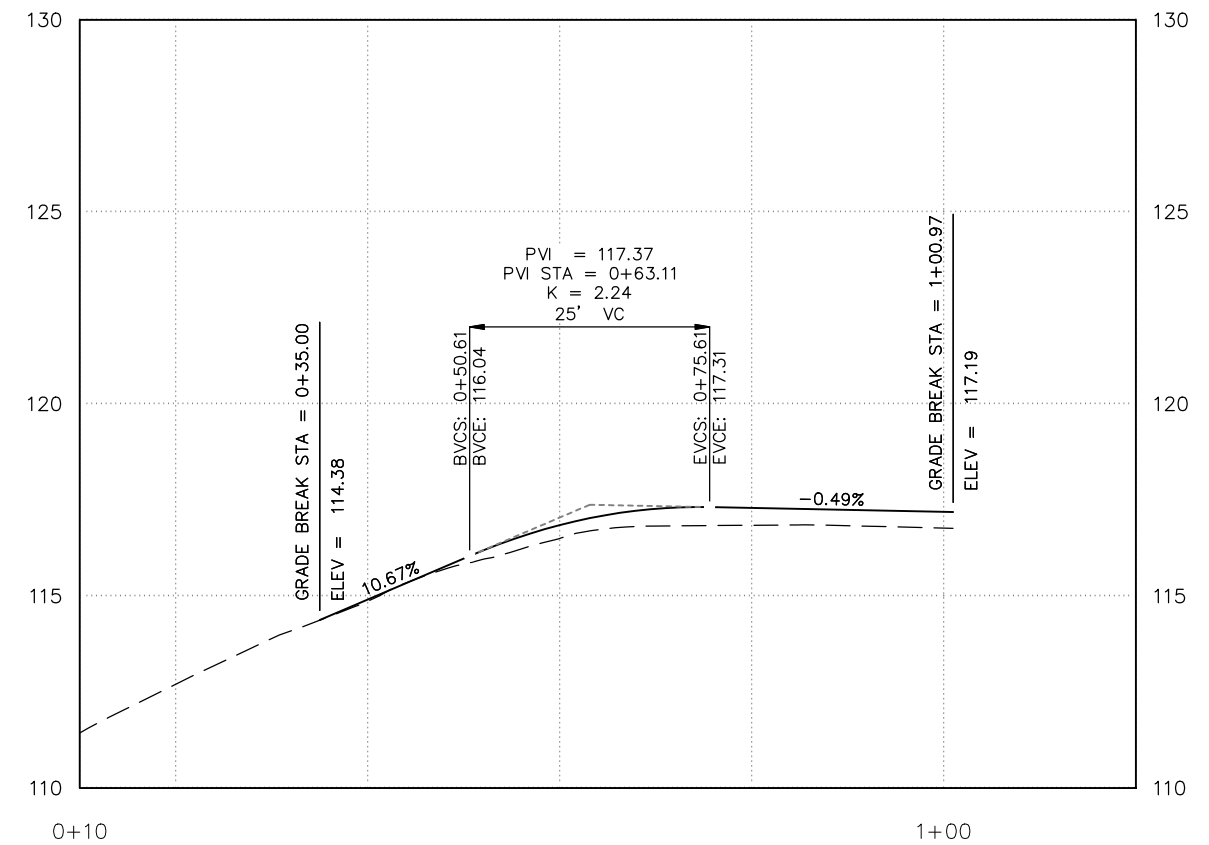


FIRM DOWL
 FILE q:\Wrg\sfhy000067\Plans\000067_G1-G7.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 5/4/2018 11:00 LAYOUT G7
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AEC1848

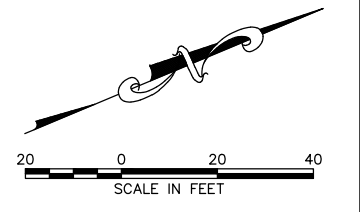
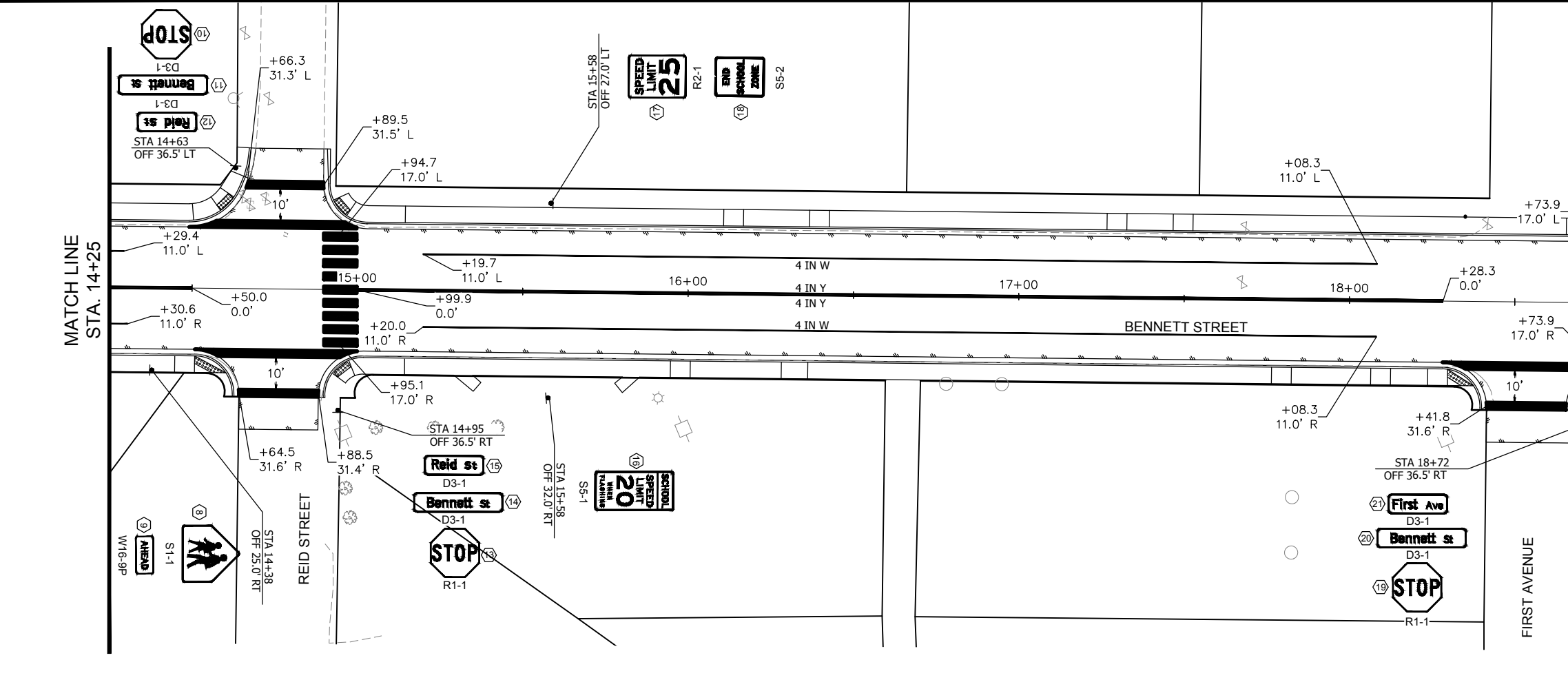
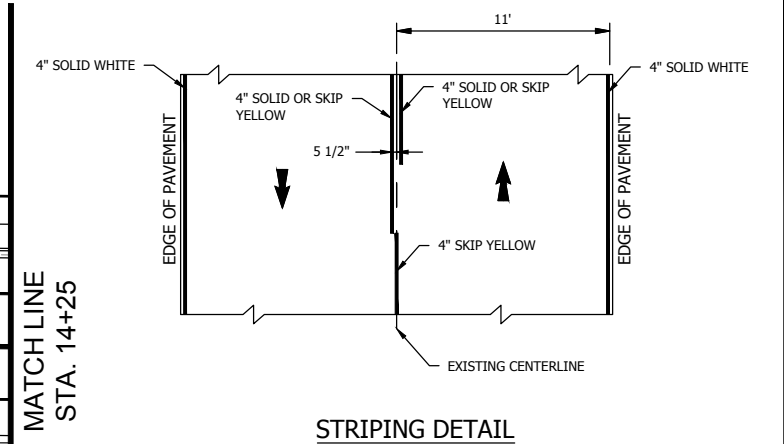
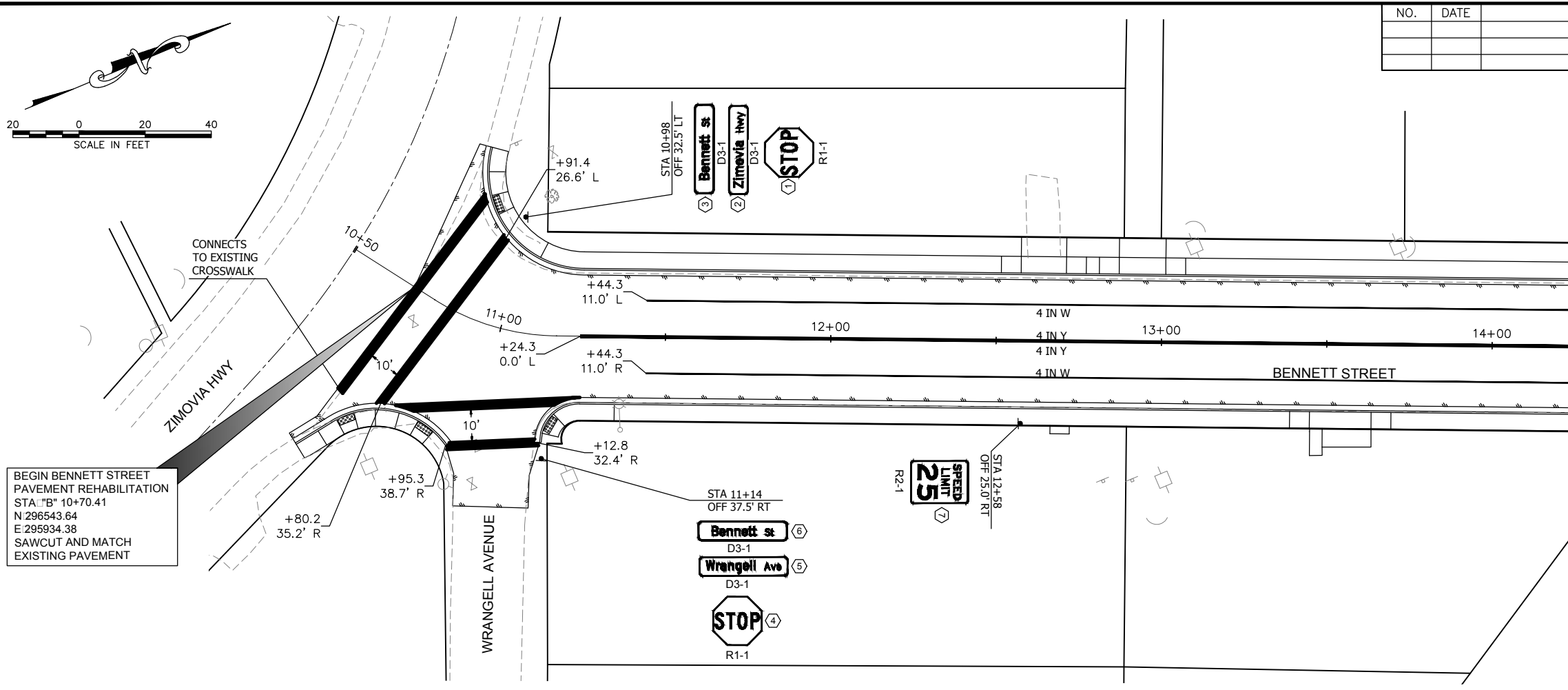
NOTES:
 1. INSTALL PARALLEL CURB RAMP PER STANDARD DRAWING I.21.10 WITH ONE 6-FT RAMP RUN, 2-FT X 5-FT DETECTABLE WARNING TILE AND NO BACKING CURB. END SIDEWALK AT EDGE LANDING.



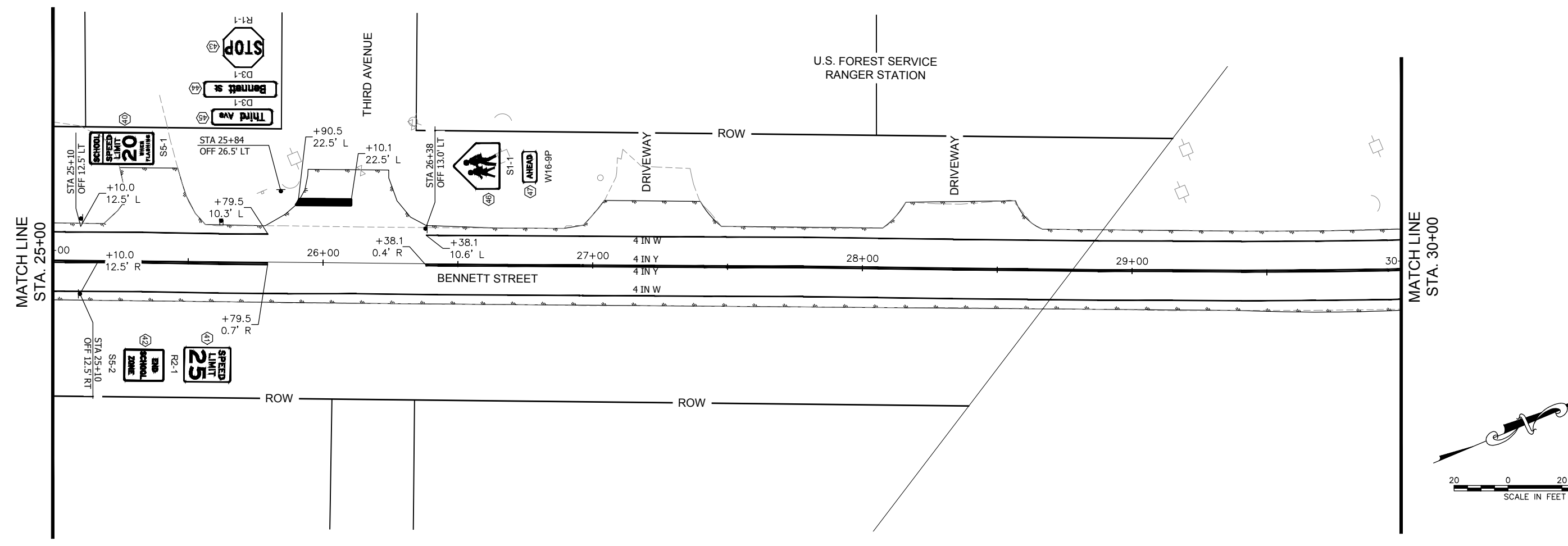
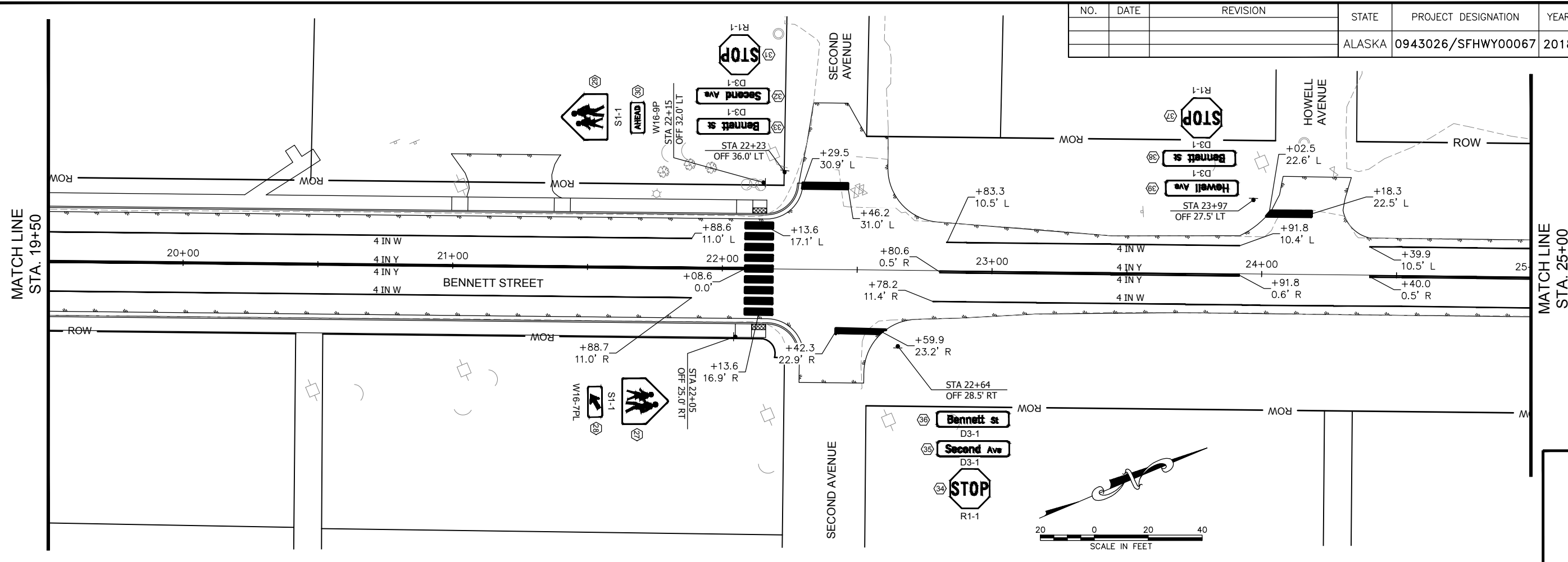
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWY00067	2018	G7	66



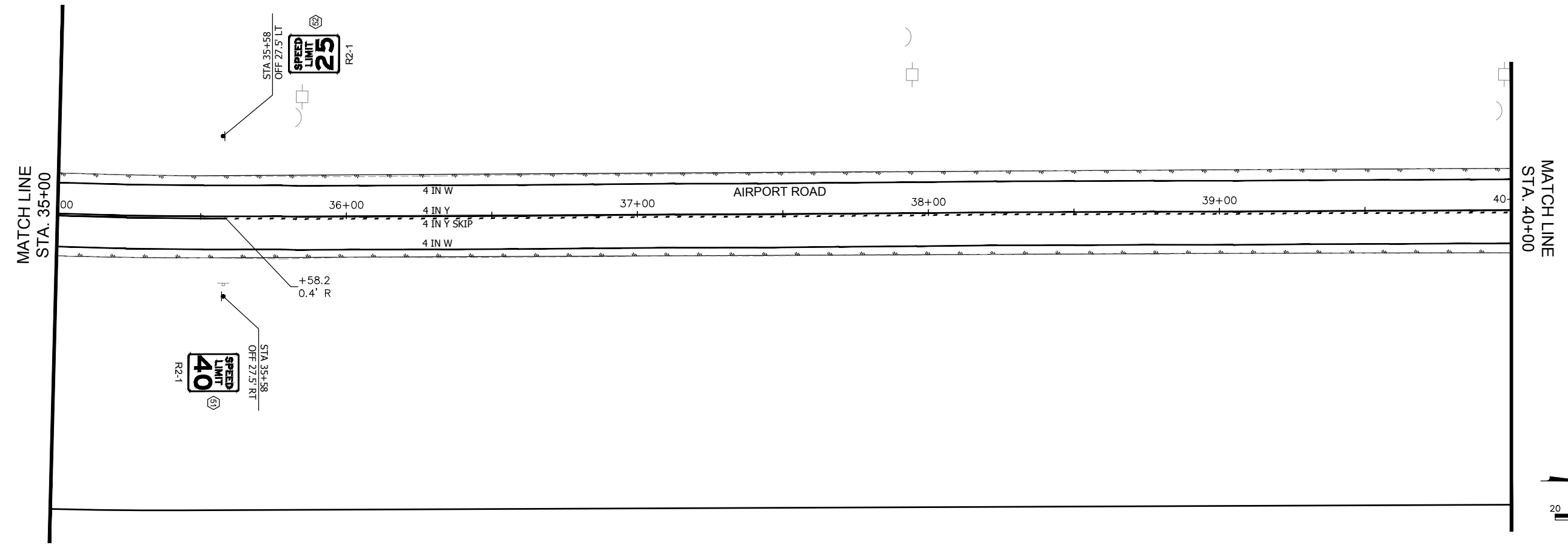
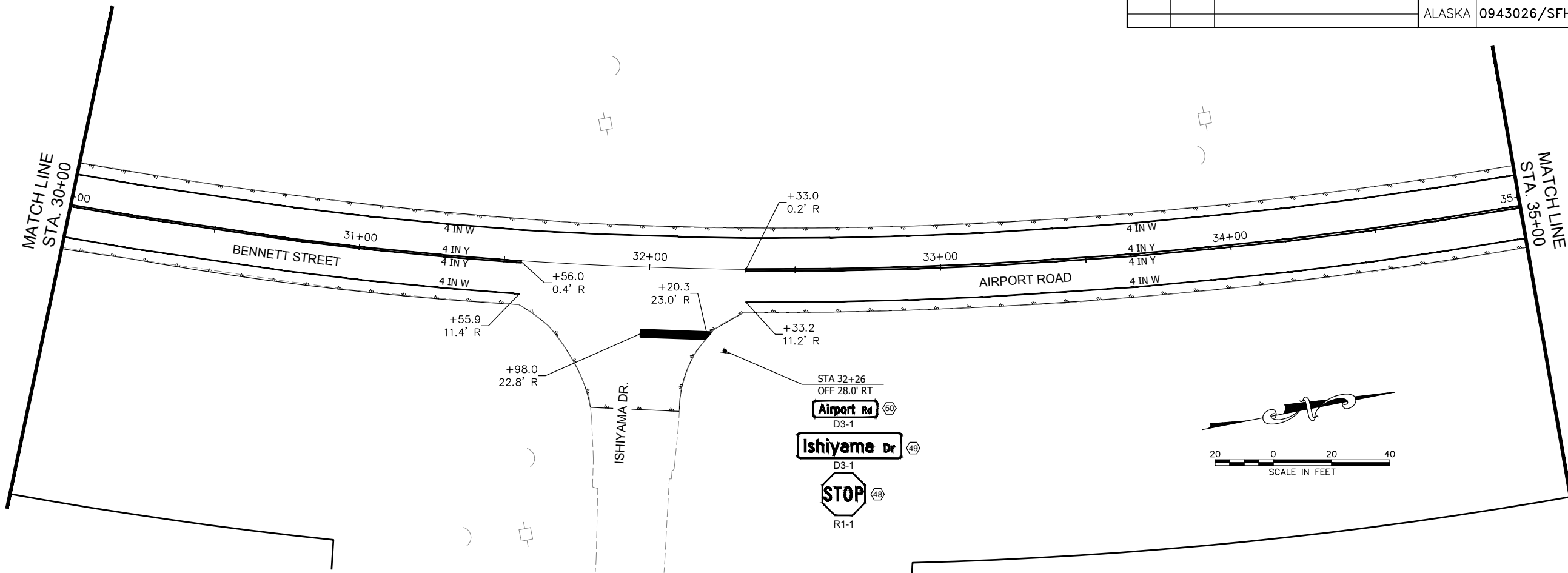
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	H1	66



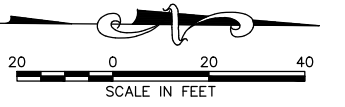
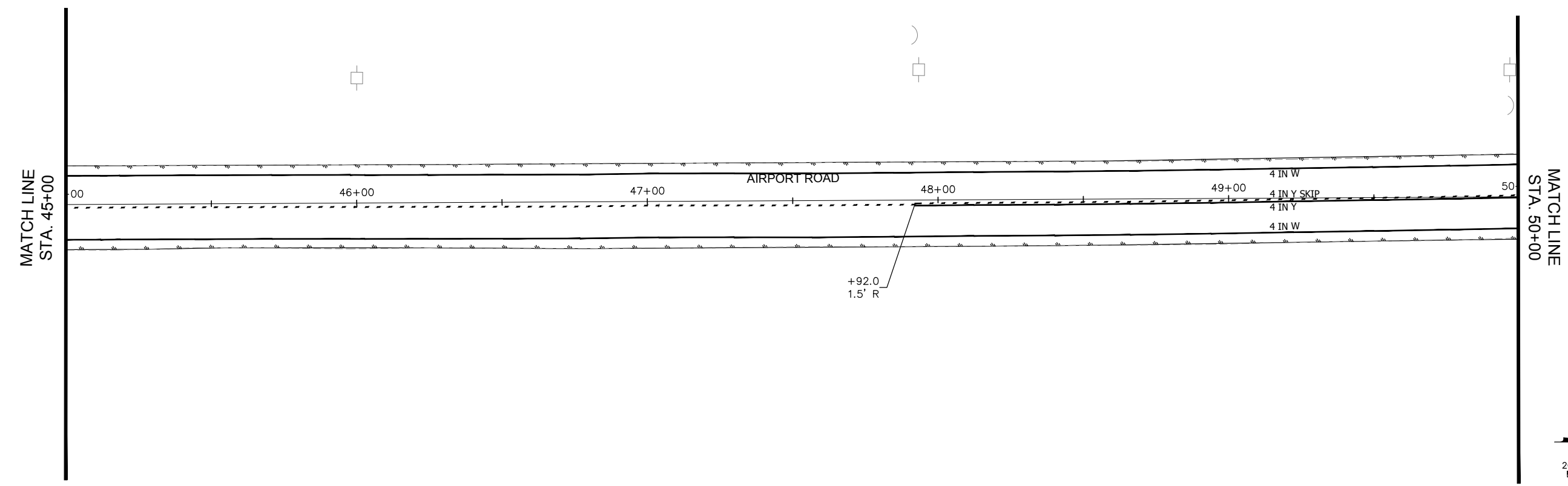
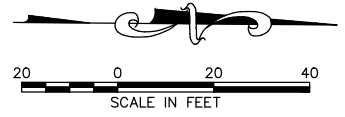
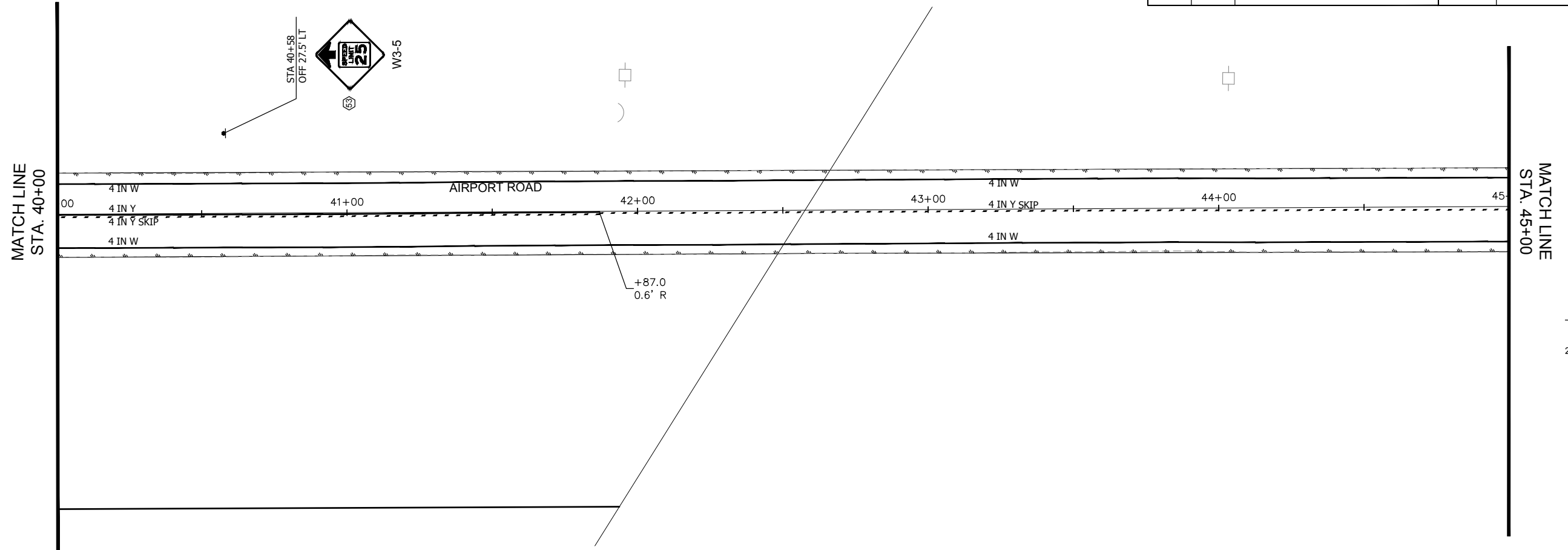
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	H2	66



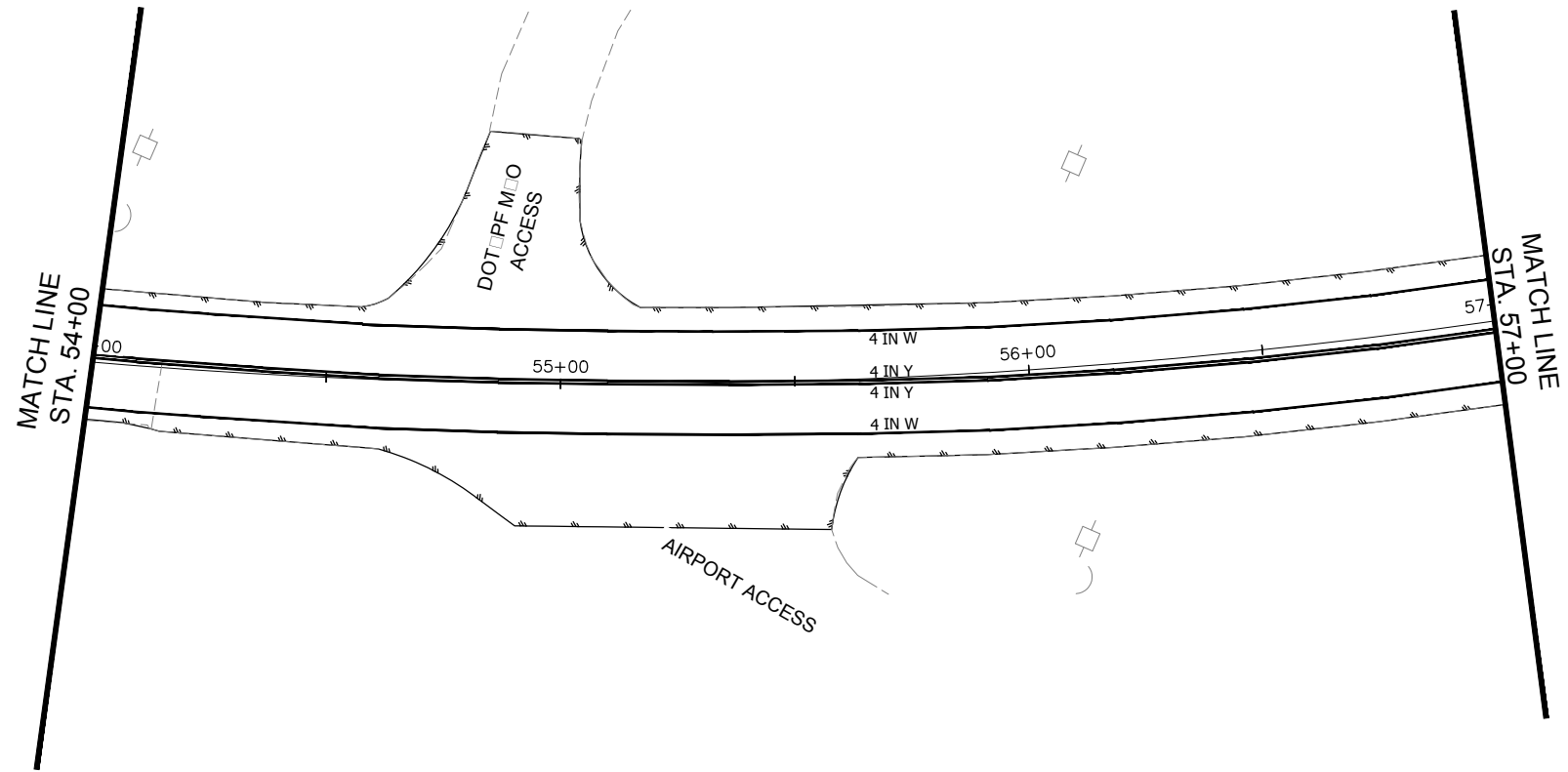
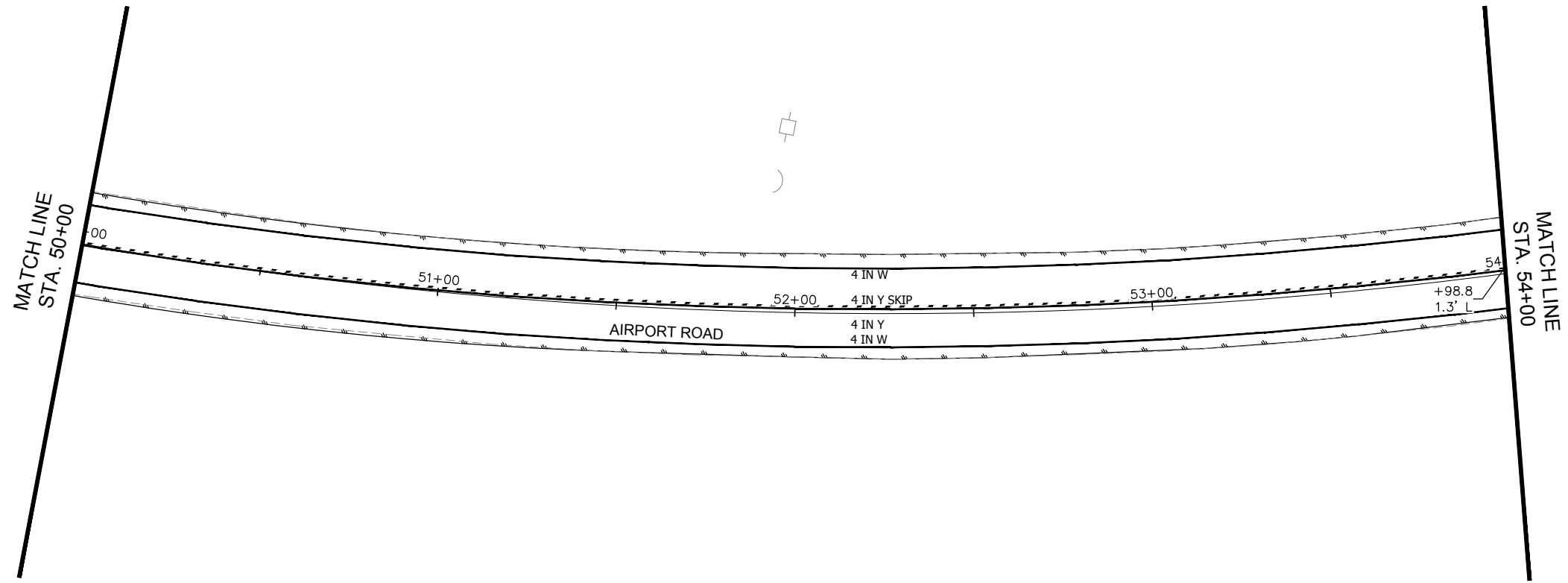
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	H3	66



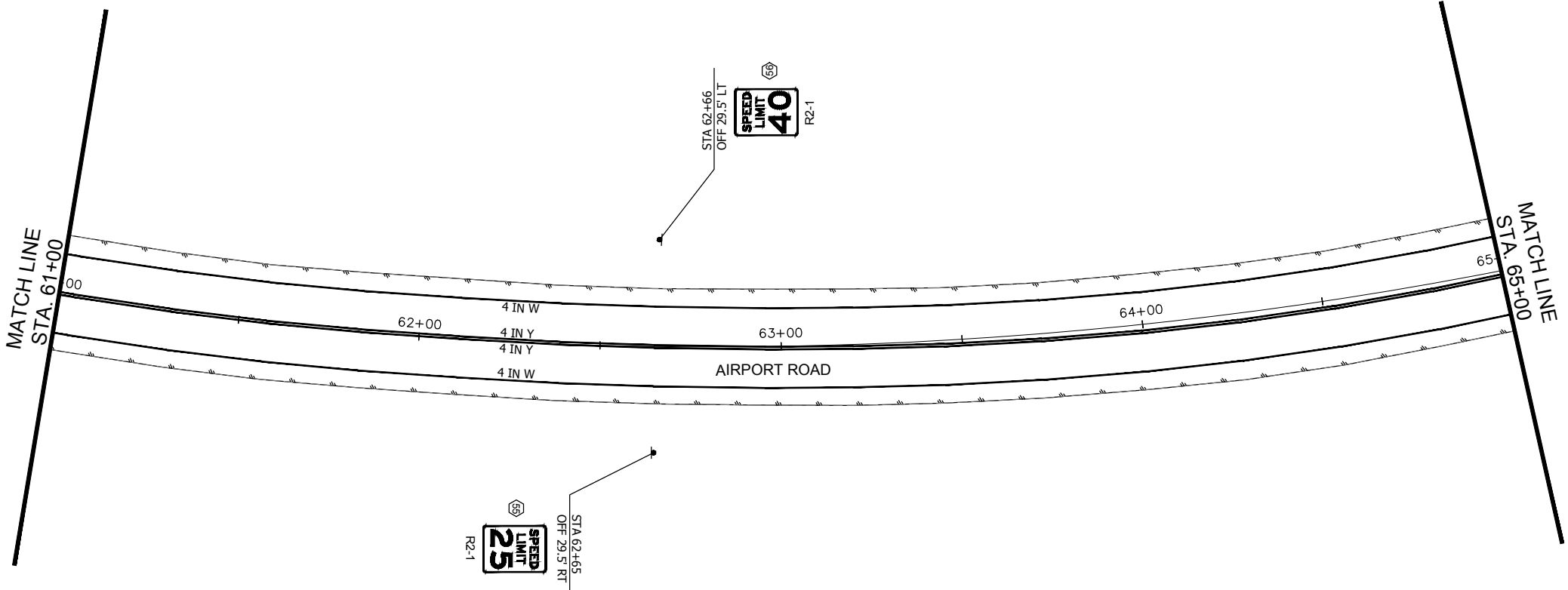
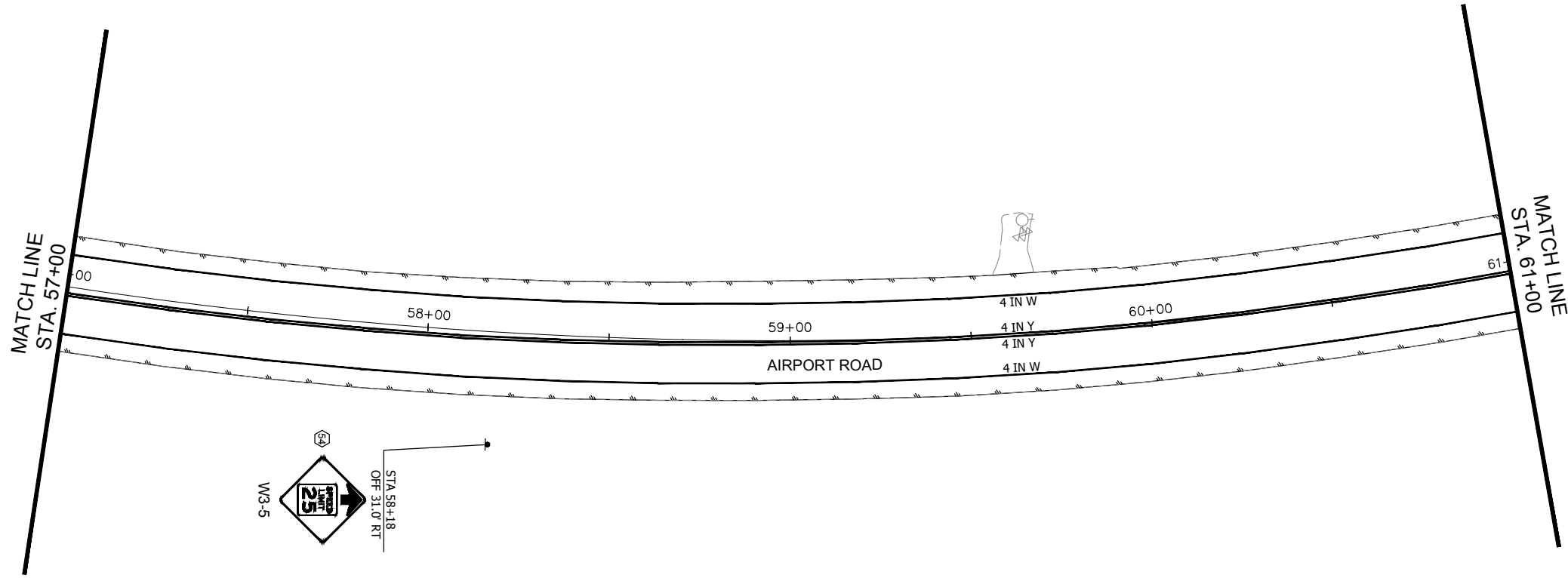
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	H4	66



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	H5	66

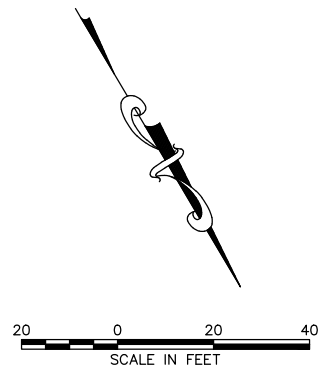
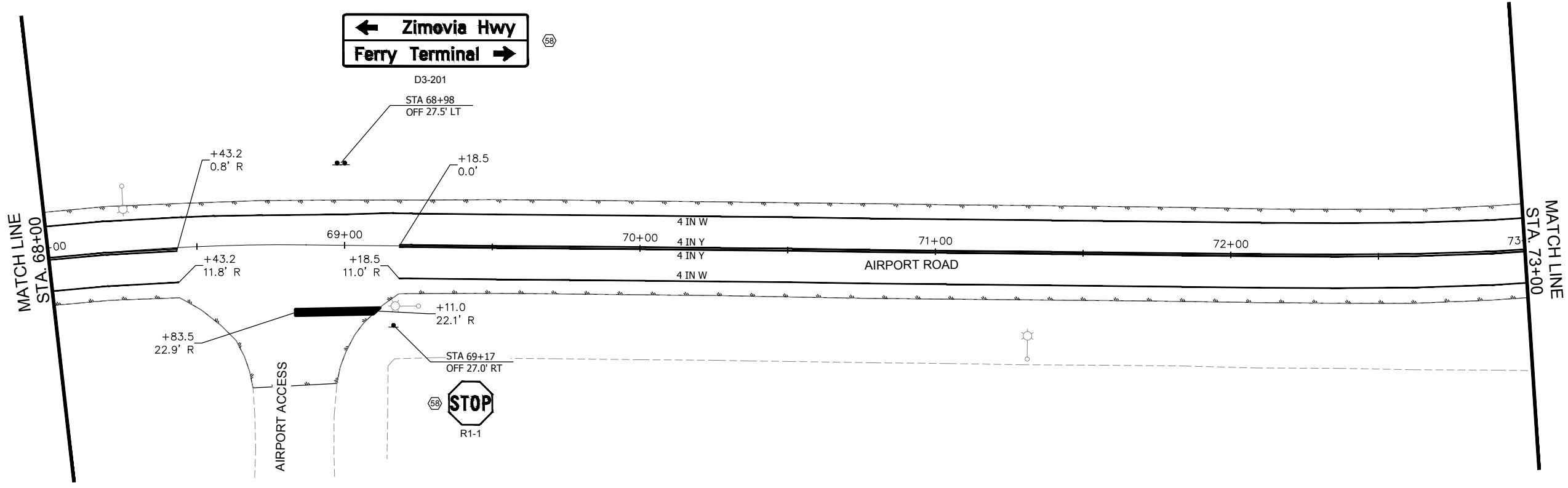
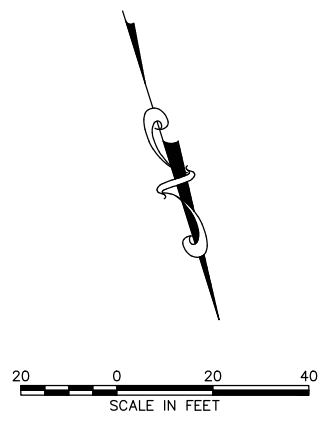
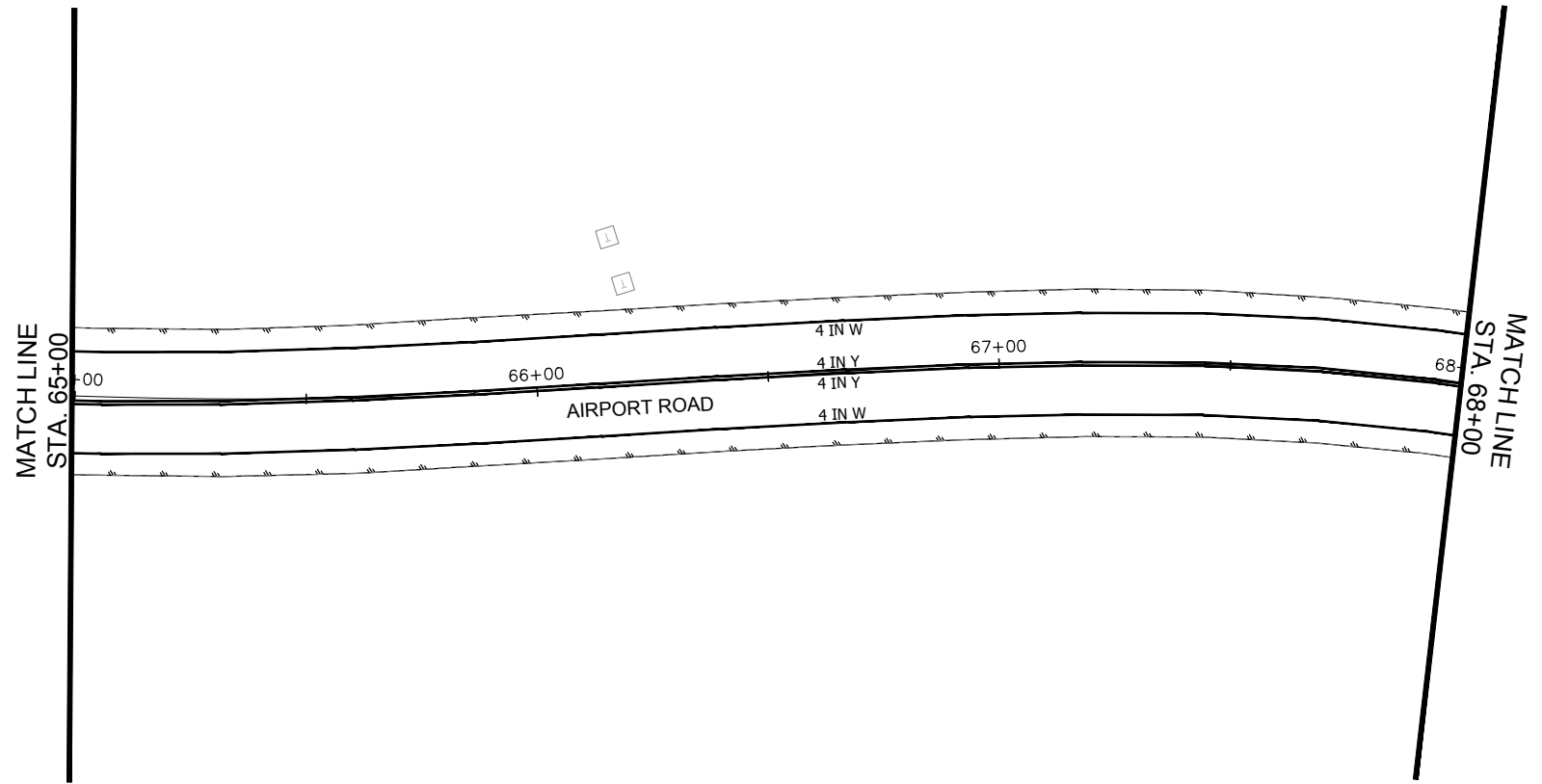


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	H6	66



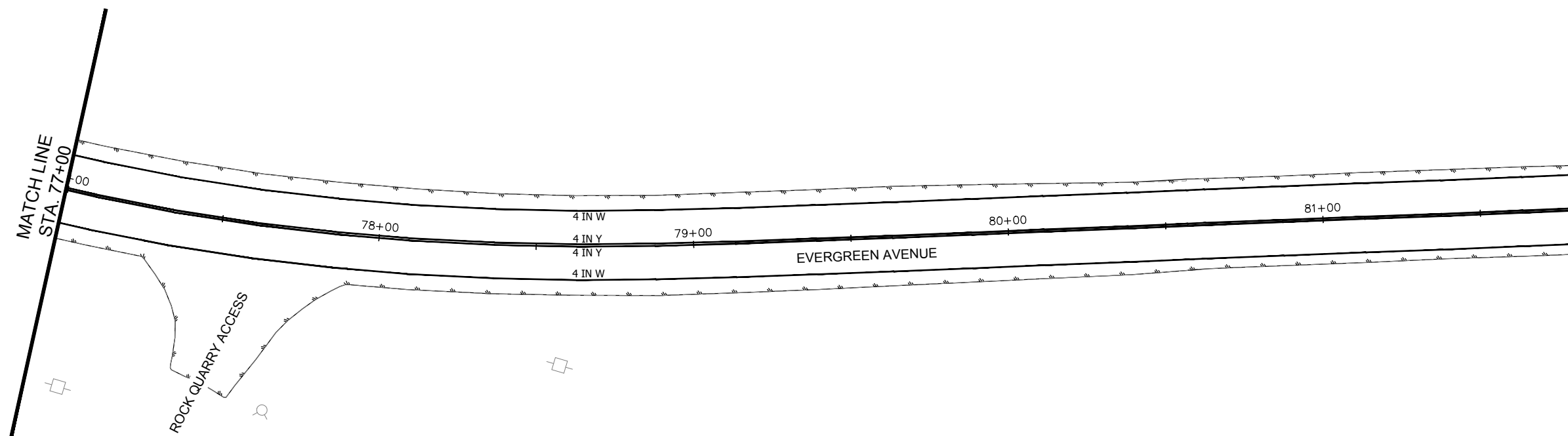
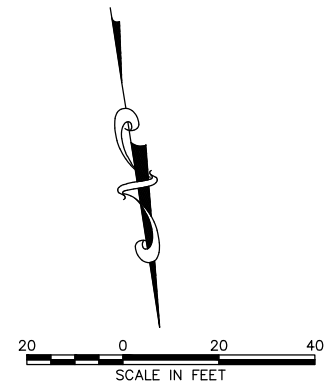
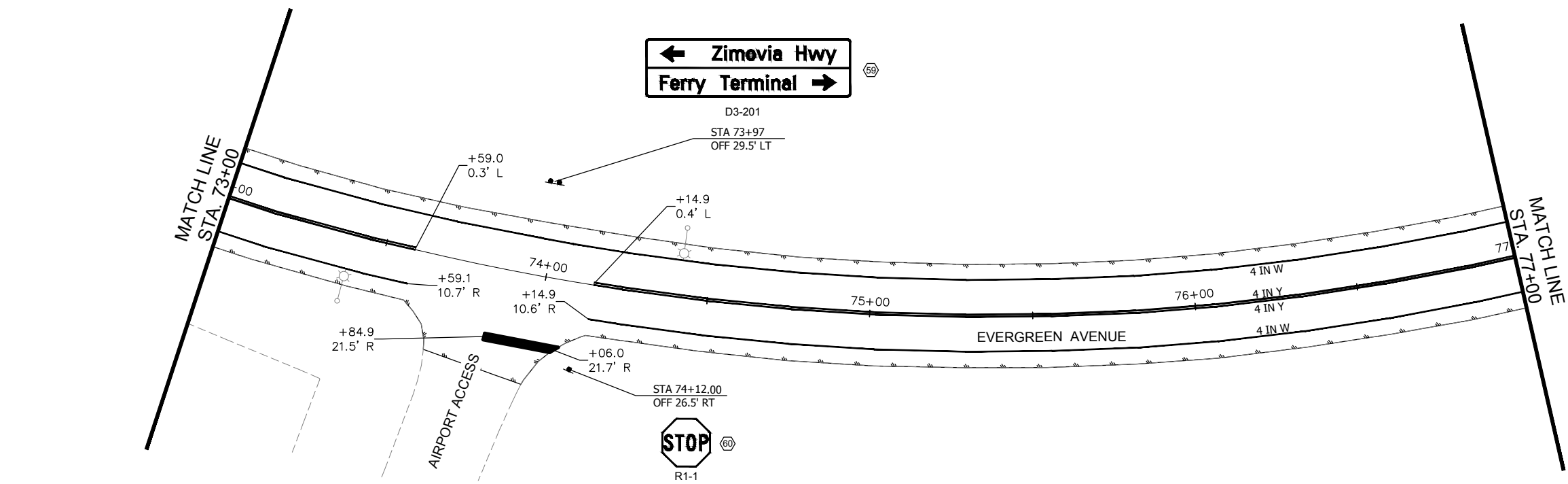
FIRM DOWL
 FILE q:\Wrg\sfhy\000067\Plan\set\000067_H1-H13.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 5/4/2018 11:24
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECIL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	H7	66



FIRM DOWL
 FILE q:\Wrg\sfhy\000067\Plans\000067_H1-H13.dwg
 ADDRESS 5368 COMMERCIAL BLVD, JUNEAU, AK 99801
 DATE 5/4/2018 11:24 LAYOUT H8
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AEC1848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	H8	66



END OF PROJECT
 STA "B" 81+76.00
 N 301743.75
 E 294419.38



FILE c:\wrg\sfhy\000067\Plan\set\000067_H1-H13.dwg DATE 5/4/2018 11:24 LAYOUT H9 DESIGNED TAL CHECKED EMV DRAFTED CUS. RC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	H9	66

615 (1) STANDARD SIGN SUMMARY

SHEET	SIGN NO.	STATION	CL OFFSET (FT)	CL REF	TYPE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	SIGN FACES	SUPPORT	REMARKS
H1	1	10+98	32.5	LT	R1-1	STOP	30	30	6.25	N	2.5 PST	
H1	2				D3-1	Zimovia Hwy	42	8	2.33	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 1
H1	3				D3-1	Bennett St	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 2
H1	4	11+14	37.5	RT	R1-1	STOP	30	30	6.25	E	2.5 PST	
H1	5				D3-1	Wrangell Ave	42	8	2.33	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 4
H1	6				D3-1	Bennett St	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 5
H1	7	12+58	25.0	RT	R2-1	SPEED LIMIT 25	30	36	7.50	S	2.5 PST	
H1	8	14+38	25.0	RT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9.00	S	2.5 PST	
H1	9				W16-9P	AHEAD (PLAQUE)	36	24	6.00	S		MOUNT BELOW SIGN NO. 8
H1	10	14+63	36.5	LT	R1-1	STOP	30	30	6.25	W	2.5 PST	
H1	11				D3-1	Bennett St	42	8	2.33	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 10
H1	12				D3-1	Reid St	24	8	1.33	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 11
H1	13	14+95	36.5	RT	R1-1	STOP	30	30	6.25	W	2.5 PST	
H1	14				D3-1	Bennett St	42	8	2.33	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 13
H1	15				D3-1	Reid St	24	8	1.33	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 14
H1	16	15+58	32.0	RT	S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24	48	8.00	S	2.5 PST	
H1	17	15+58	27.0	LT	R2-1	SPEED LIMIT 25	30	36	7.50	S	2.5 PST	
H1	18				S5-2	END SCHOOL ZONE	24	30	5.00	S		MOUNT BELOW SIGN NO. 17
H1	19	18+72	36.5	RT	R1-1	STOP	30	30	6.25	E	2.5 PST	
H1	20				D3-1	Bennett St	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 19
H1	21				D3-1	First Ave	30	8	1.67	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 20
H1	22	18+79	27.0	LT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9.00	N	2.5 PST	
H1	23				W16-7PL	LEFT DIAGONAL ARROW	24	14	2.33	N		MOUNT BELOW SIGN NO. 22
H1	24	18+83	25.0	RT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9.00	S	2.5 PST	
H1	25				W16-7PL	LEFT DIAGONAL ARROW	24	14	2.33	S		MOUNT BELOW SIGN NO. 24
H1	26	18+98	25.0	RT	R7P-107	NO PARKING BUS STOP	12	18	1.50	S	2.5 PST	
H2	27	22+05	25.0	RT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9.00	S	2.5 PST	
H2	28				W16-7PL	LEFT DIAGONAL ARROW	24	14	2.33	S		MOUNT BELOW SIGN NO. 27
H2	29	22+15	32.0	LT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9.00	N	2.5 PST	
H2	30				W16-9P	AHEAD (PLAQUE)	36	24	6.00	N		MOUNT BELOW SIGN NO. 29
H2	31	22+23	36.0	LT	R1-1	STOP	30	30	6.25	W	2.5 PST	
H2	32				D3-1	Second Ave	36	8	2.00	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 31
H2	33				D3-1	Bennett St	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 32
H2	34	22+64	28.5	RT	R1-1	STOP	30	30	6.25	E	2.5 PST	
H2	35				D3-1	Second Ave	36	8	2.00	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 34
H2	36				D3-1	Bennett St	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 35
H2	37	23+97	27.5	LT	R1-1	STOP	30	30	6.25	N	2.5 PST	
H2	38				D3-1	Bennett St	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 37
H2	39				D3-1	Howell Ave	36	8	2.00	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 38
H2	40	25+10	12.5	LT	S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24	48	8.00	N	2.5 PST	
									181.17			

PLANS DEVELOPED BY: DOWL LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING
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FILE c:\wrg\sfhy000067\plan\set\000067_H1-H13.dwg DATE 5/4/2018 11:24 LAYOUT H10 DESIGNED TAL CHECKED EMV DRAFTED CUS, RC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	H10	66

615 (1) STANDARD SIGN SUMMARY												
SHEET	SIGN NO.	STATION	CL OFFSET (FT)	CL REF	TYPE	LEGEND	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	SIGN FACES	SUPPORT	REMARKS
H2	41	25+10	12.5	RT	R2-1	SPEED LIMIT 25	30	36	7.50	S	2.5 PST	
H2	42				S5-2	END SCHOOL ZONE	24	30	5.00	S		MOUNT BELOW SIGN NO. 41
H2	43	25+84	26.5	LT	R1-1	STOP	30	30	6.25	W	2.5 PST	
H2	44				D3-1	Bennett St	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 43
H2	45				D3-1	Third Ave	30	8	1.67	N/S		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 44
H2	46	26+38	13.0	LT	S1-1	SCHOOL SIGN (SYMBOL)	36	36	9.00	N	2.5 PST	
H2	47				W16-9P	AHEAD (PLAQUE)	36	24	6.00	N		MOUNT BELOW SIGN NO. 46
H3	48	32+26	36.5	RT	R1-1	STOP	30	30	6.25	E/W	2.5 PST	
H3	49				D3-1	Ishiyama Dr	48	8	2.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 48
H3	50				D3-1	Airport Rd	30	8	1.67	E/W		4" UC / 3" LC D-FONT; MOUNT ABOVE SIGN NO. 49
H3	51	35+58	27.5	RT	R2-1	SPEED LIMIT 40	30	36	7.50	N	2.5 PST	
H3	52	35+58	27.5	LT	R2-1	SPEED LIMIT 25	30	36	7.50	S	2.5 PST	
H4	53	40+58	27.5	LT	W3-5	SPEED LIMIT 25	36	36	9.00	S	2.5 PST	
H6	54	58+18	31.0	RT	W3-5	SPEED LIMIT 25	36	36	9.00	N	2.5 PST	
H6	55	62+65	29.5	RT	R2-1	SPEED LIMIT 25	30	36	7.50	W	2.5 PST	
H6	56	62+66	29.5	LT	R2-1	SPEED LIMIT 40	30	36	7.50	E	2.5 PST	
H7	57	68+98	27.5	LT	D3-201	<== Zimovia Hwy Ferry Terminal ==>	84	24	14.00	S	2.5 PST	6" YC.4.5" LC D.FONT
H7	58	69+17	27.0	RT	R1-1	STOP	30	30	6.25	S	2.5 PST	
H8	59	73+97	29.5	LT	D3-201	<== Zimovia Hwy Ferry Terminal ==>	84	24	14.00	S	2.5 PST	6" YC.4.5" LC D.FONT
H8	60	74+12	26.5	RT	R1-1	STOP	30	30	6.25	S	2.5 PST	
									136.17			

<p>PLANS DEVELOPED BY: DOWL LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING</p>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	H11	66

SALVAGE SIGN				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
H1	10+73	62' RT	1	S1-1
H1	10+73	53' LT	1	S1-1
H1	10+99	33' LT	1	R1-1
H1	11+14	42' RT	1	R1-1
H1	12+58	38' RT	1	R2-1
H1	14+46	35' RT	1	S1-1
H1	14+58	32' LT	1	R1-1, D3-1
H1	14+94	40' RT	1	R1-1
H1	18+75	38' RT	1	R1-1
H1	18+81	27' RT	1	D1-1
H1	18+87	27' LT	1	S1-1
H1	18+93	29' RT	1	S1-1, R8-2
H2	22+22	38' LT	1	R1-1
H2	22+59	27' RT	1	R1-1
H2	23+55	23' LT	1	S1-1
H2	24+01	26' LT	1	R1-1, D3-1, D3-1
H2	25+77	26' LT	1	R2-1
H2	25+91	26' LT	1	R1-1, D3-1
H2	27+05	34' LT	1	R1-1
H2	28+11	31' LT	1	R1-1
H3	32+28	49' RT	1	R1-1, D3-1
H3	35+58	23' RT	1	R2-1
H6	58+18	37' RT	1	R2-5C
H6	62+65	29' RT	1	R2-1
H6	62+66	33' LT	1	R2-1
H7	68+81	24' LT	1	D3-1C
H7	69+00	46' RT	1	R1-1
H8	73+79	27' LT	1	D3-1C
H8	74+00	46' RT	1	R1-1
H8	75+50	27' RT	1	R2-1
H8	80+29	29' RT	1	R2-1
TOTAL:			31	EA

NOTE: SALVAGE SIGN IS SUBSIDIARY TO PAY ITEM 615(1), STANDARD SIGN.

SIGNING & STRIPING NOTES:

- FROM ISHIYAMA TO EOP, INSTALL RECESSED PAVEMENT MARKERS ALONG CENTERLINE STRIPING. RECESSED PAVEMENT MARKERS AND CENTERLINE STRIPING SHALL BE CONSTRUCTED PER STANDARD DRAWING T-06.00.
- FROM BOP TO STA 22+85, STRIPING FOLLOW THE PROJECT ALIGNMENT. FROM STA 22+85 TO EOP, STRIPING SHALL BE BASED ON EXISTING ROADWAY CENTERLINE. FROM STA 22+85 TO 55+00, EXISTING CENTERLINE IS CALLED OUT EVERY 50' ON THE F SHEETS. FROM STA 55+00 TO EOP, CONTRACTOR TO REFERENCE EXISTING CENTERLINE STRIPING EVERY 50' PRIOR TO PAVEMENT PLANING.
- ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
 - PST MEANS A PERFORATED STEEL TUBE.
 - W MEANS TREATED WOOD.
 - T MEANS A SQUARE STEEL TUBE
- FABRICATE GUIDE SIGNS ACCORDING TO THE SHOP DRAWINGS INCLUDED IN THE APPENDIX D OF THE SPECIAL PROVISIONS.
- STATION/OFFSET FOR STRIPING IS CALLED OUT AT CENTER OF STRIPE WITH THE EXCEPTION OF THE LADDER CROSSWALKS. LADDER CROSSWALKS ARE CALLED OUT AT THE MIDPOINT OF THE OUTSIDE EDGE OF STRIPE.
- IF THE NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED AT MATCH LINE, TRANSITION BETWEEN THE TWO USING A 55:1 TAPER ON THE NEW PAVEMENT.
- SIGNS WITH BI-DIRECTIONAL "SIGN FACES" ENTRIES SHALL BE FABRICATED WITH LEGEND O BOTH SIDES.

PLANS DEVELOPED BY:
DOWL LLC
5368 COMMERCIAL BLVD,
JUNEAU, AK 99801
(907) 780-3533
#AECL848

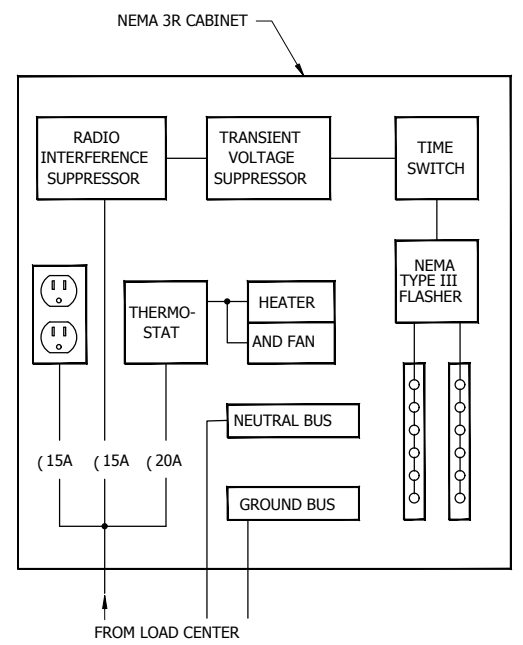
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
REHABILITATION AND
AIRPORT ROAD RESURFACING**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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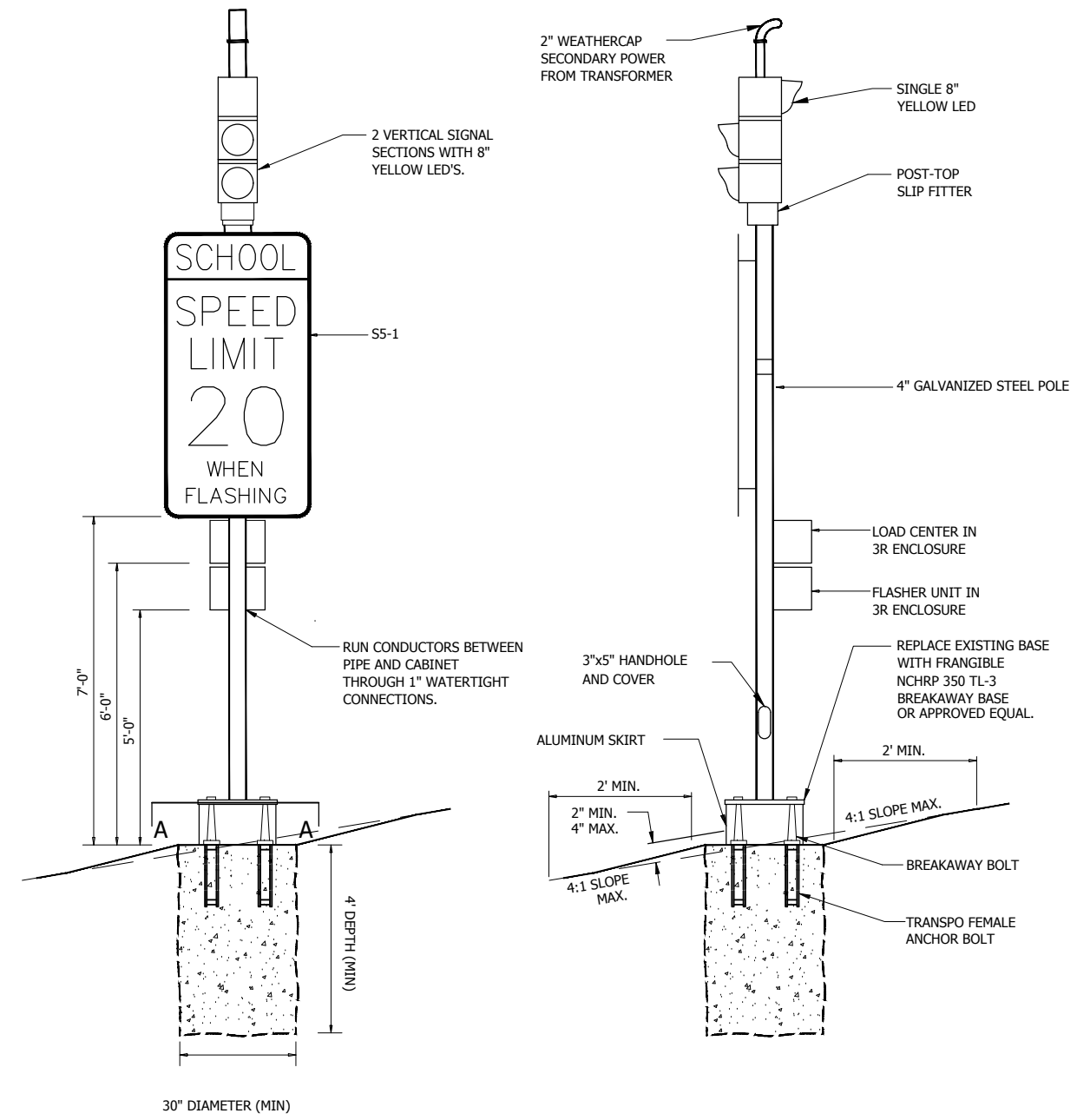
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GENERAL NOTES:

1. THE NEMA 3R CABINET HOUSING THE SCHOOL FLASHER CONTROLS SHALL BE MOUNTED ON A 4" GALVANIZED STEEL POLE, AND BE LARGE ENOUGH TO ACCOMMODATE THE FOLLOWING EQUIPMENT AND THE WIRING THEREOF.
 - A. THREE 120 VOLT SINGLE POLE BREAKERS: TWO 15A AND ONE 20A.
 - B. ONE TRANSIENT VOLTAGE SUPPRESSOR.
 - C. ONE RADIO INTERFERENCE SUPPRESSOR.
 - D. ONE TIME SWITCH AS DESCRIBED IN GENERAL NOTE 2.
 - E. ONE NEMA TYPE 3 DUAL CIRCUIT FLASHER.
 - F. TWO 30A SIX CIRCUIT TERMINAL BLOCKS.
 - G. NEUTRAL AND GROUND BUSSES.
 - H. THERMOSTAT AND 150 WATT HEATER.
2. THE TIME SWITCH SHALL BE A MODEL AP41-L AS MANUFACTURED BY RTC MANUFACTURING, OR AN APPROVED EQUAL CONFORMING TO THE FOLLOWING SPECIFICATIONS. THE TIME SWITCH SHALL BE A COMPACT, SOLID STATE, PROGRAMMABLE DEVICE WITH A LIQUID CRYSTAL DISPLAY (LCD) AND KEYBOARD, AND SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS:
 - A. THE LCD SHALL PROVIDE 2 LINES OF ALPHA-NUMERIC LEGEND WITH 16 CHARACTERS PER LINE AND SHALL BE BACKLIT. THE DISPLAY SHALL AUTOMATICALLY PROMPT THE OPERATOR DURING THE PROGRAMMING PROCESS FOR EASE OF USE.
 - B. THE TIME SWITCH SHALL BE PROGRAMMABLE THROUGH THE KEYBOARD AND BY DOWN LOADING THROUGH AN INPUT PORT. THE KEYBOARD SHALL BE PUSH BUTTON TYPE.
 - C. THE TIME SWITCH SHALL BE POWERED BY A NOMINAL 120 VOLTS AC, 60 HZ SINGLE PHASE LINE VOLTAGE. THE TIME AND PROGRAM MEMORY SHALL BE RETAINED FOR AT LEAST 48 HOURS UPON REMOVAL FROM AC POWER.
 - D. THE TIME SWITCH SHALL PROVIDE FOUR SINGLE POLE DOUBLE THROW RELAY CONTROLLED OUTPUTS, WHICH ARE RATED AT 15 AMPERES EACH. ALL OF THE RELAYS SHALL BE MANUALLY OPERABLE THROUGH THE KEYBOARD.
 - E. THE TIME SWITCH SHALL AUTOMATICALLY COMPENSATE FOR DAYLIGHT SAVINGS TIME CHANGES AND LEAP YEARS.
 - F. THE TIME SWITCH SHALL PROVIDE TEN BASIC PLANS FOR DAILY AND/OR WEEKLY USE, AND 20 ANNUAL PLANS WHICH ACTIVATE THE BASIC PLANS. EACH BASIC PLAN SHALL PROVIDE UP TO 20 STEPS. EACH STEP SHALL BE ASSIGNABLE TO A SINGLE DAY, A WEEKEND, A WEEKDAY, OR EVERYDAY.



WIRING DIAGRAM FOR CONTROL UNIT



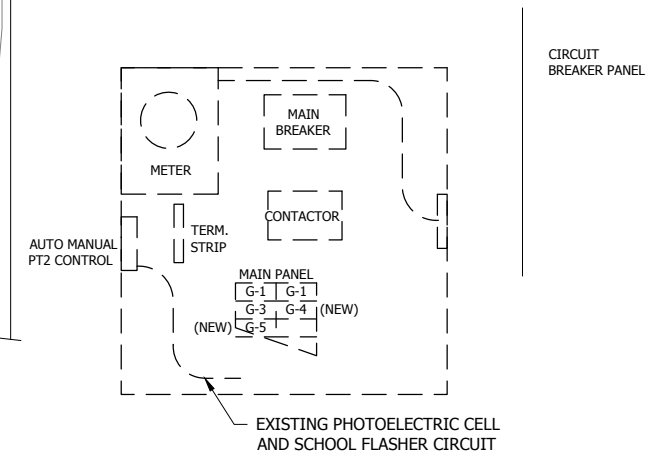
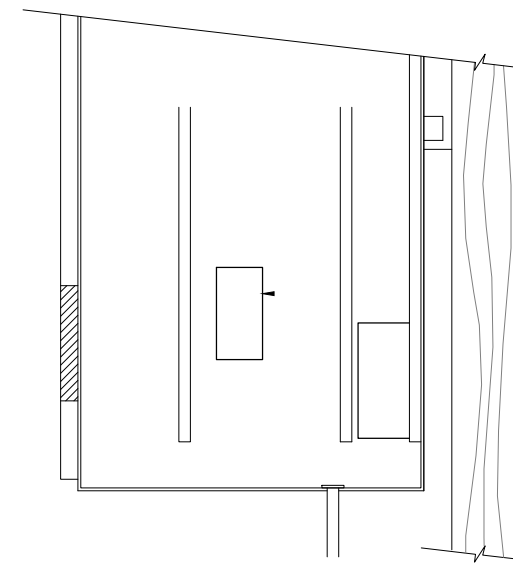
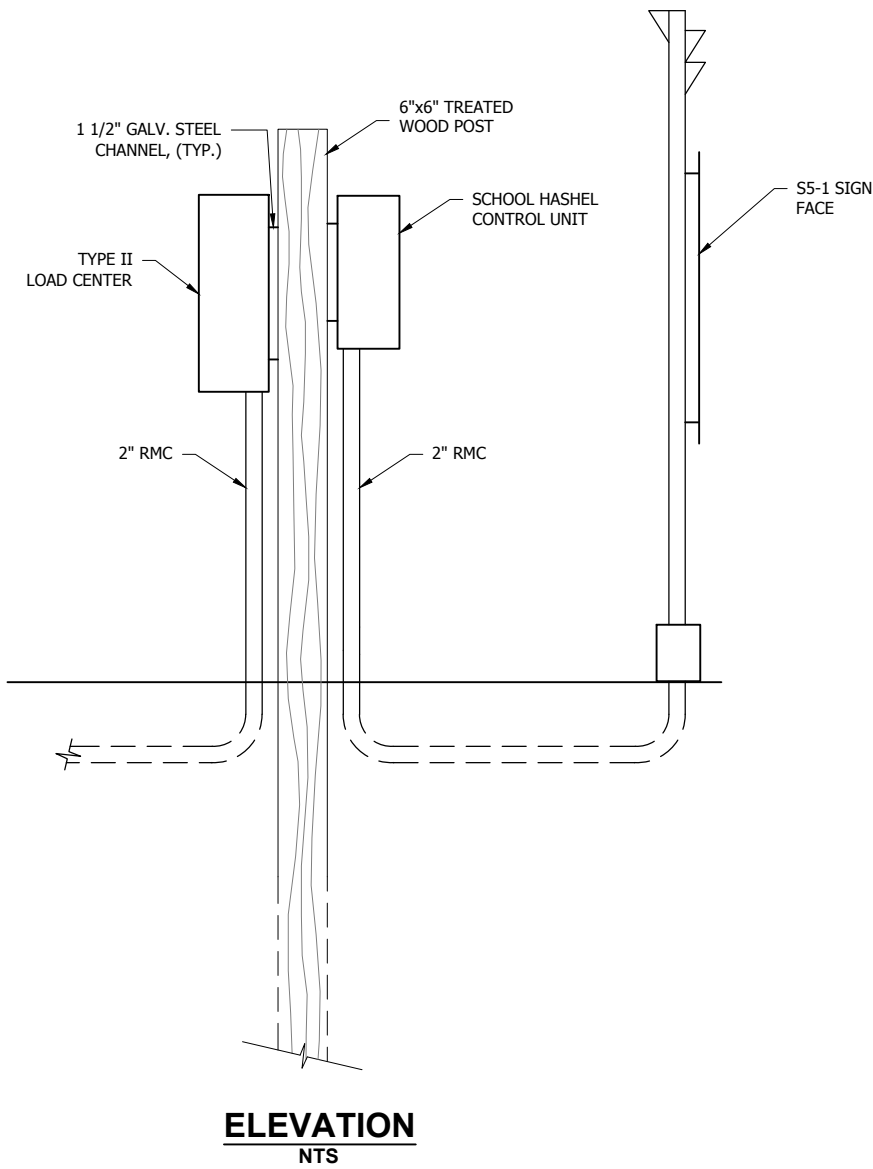
(SCHOOL) FLASHER DETAIL
BACK VIEW

SCHOOL FLASHER NOTES:

1. EACH FLASHER SHALL CONSIST OF THREE 8" SIGNAL FACES WITH YELLOW LED'S AND VISORS.
2. THE CONTRACTOR SHALL WIRE SIGNAL FACES 1 AND 3 ON FLASHER CIRCUITS 1 AND 2, RESPECTIVELY. FACE 2 SHALL BE WIRED TO CIRCUIT 1 OR 2 AS REQUIRED TO BALANCE THE LOAD.
3. THE CONTRACTOR SHALL FURNISH A SINGLE PIECE POST THAT WILL YIELD THE 7" MOUNTING HEIGHT SHOWN.
4. THE SIGN POST AND BREAKAWAY BASE ASSEMBLY SHALL CONFORM TO SECTION 740-2.02 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
5. CONTRACTOR MUST CONTACT POWER COMPANY IN EACH TOWN OR ALTERNATE CONTACT SHOWN ON INDIVIDUAL PLAN SHEETS FOR PROPER INSTALLATION ON CONDUCTOR POLES AND EXACT LOCATIONS OF NEW LOAD CENTERS.
6. THE METER AT ALL NEW LOAD CENTERS SHALL FACE AWAY FROM ROAD.
7. EACH FLASHER SHALL HAVE ITS OWN LOAD CENTER AND CONTROLLER. NO JUNCTION BOX IS REQUIRED.
8. INSTALL WEATHER CAP USING HEAD SERVICE DETAIL SHOWN IN STD DRAWING D-13.01.

PLANS DEVELOPED BY: DOWL LLC 5368 COMMERCIAL BLVD, JUNEAU, AK 99801 (907) 780-3533 #AECL848	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES WRANGELL - BENNETT STREET REHABILITATION AND AIRPORT ROAD RESURFACING
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFH00067	2018	H13	66



LOAD CENTER "G"
NTS

LOAD CENTER NOTES:

1. THE TWO NEW LUMINARIES ON POLES 1 AND 2 SHALL BE WIRED TO A NEW 10A 240V CIRCUIT ON THE MAIN PANEL (G-4).
2. THE EXISTING SCHOOL FLASHER CIRCUIT IS WIRED TO THE 120V PHOTO ELECTRIC CIRCUIT. THE CONTRACTOR SHALL REWIRE THE NEW SCHOOL FLASHER CIRCUIT (WHICH INCLUDES THE TWO SCHOOL FLASHERS AND THE OVERHEAD FLASHING SIGNS) TO A NEW 120V CIRCUIT (G-5). THE CIRCUIT SHALL BYPASS THE PHOTOELECTRIC CONTROL.
3. THE CONTRACTOR SHALL PROVIDE A WEATHERPROOF LABEL FOR THE MAIN CIRCUIT PANEL.

NOTES:

1. INSTALLATION SHALL CONFORM TO STANDARD DRAWING L-26.00. TYPE II LOAD CENTER-SINGLE POST STANDARD.
2. LOAD CENTER AND CONTROL UNIT SHALL BE ATTACHED TO WOOD POST WITH 1 1/2" GALVANIZED STEEL CHANNEL.

PLANS DEVELOPED BY:
DOMI, LLC
5368 COMMERCIAL BLVD,
JUNEAU, AK 99801
(907) 780-3533
#AECL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
REHABILITATION AND
AIRPORT ROAD RESURFACING**

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CUS, RC

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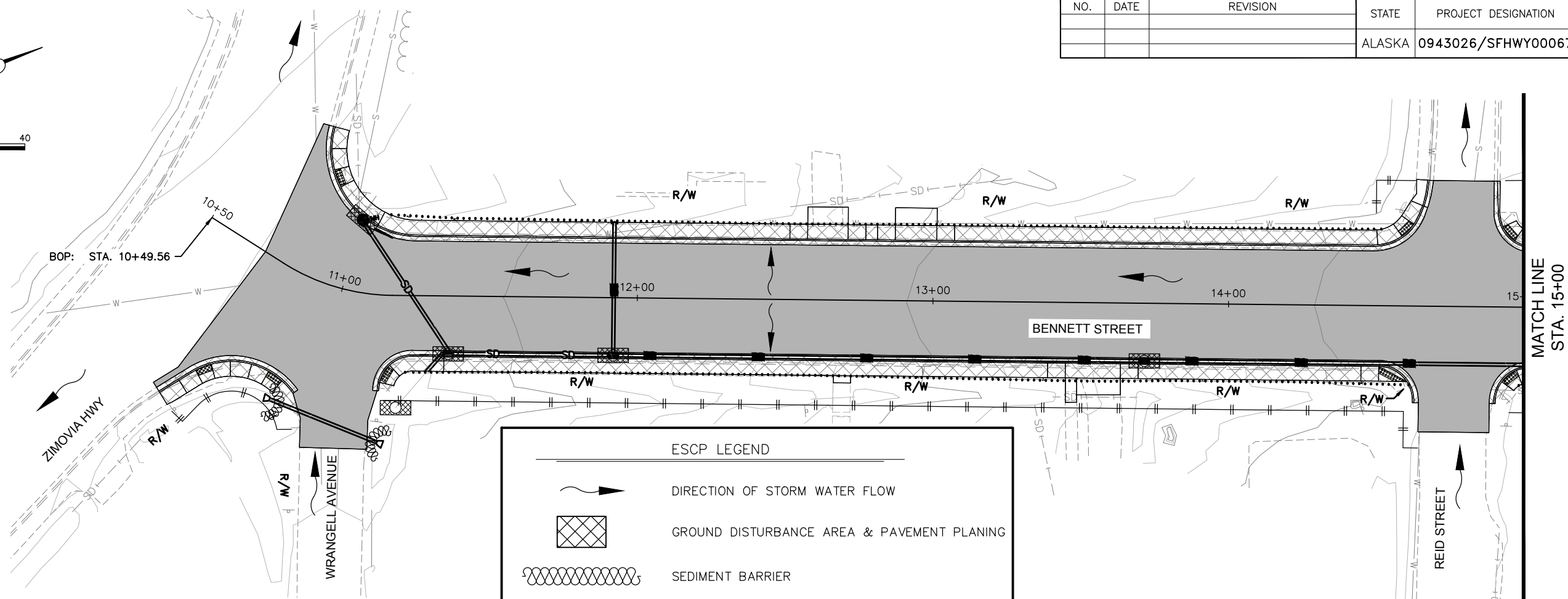
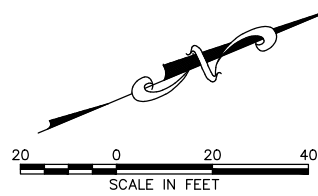
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LAYOUT

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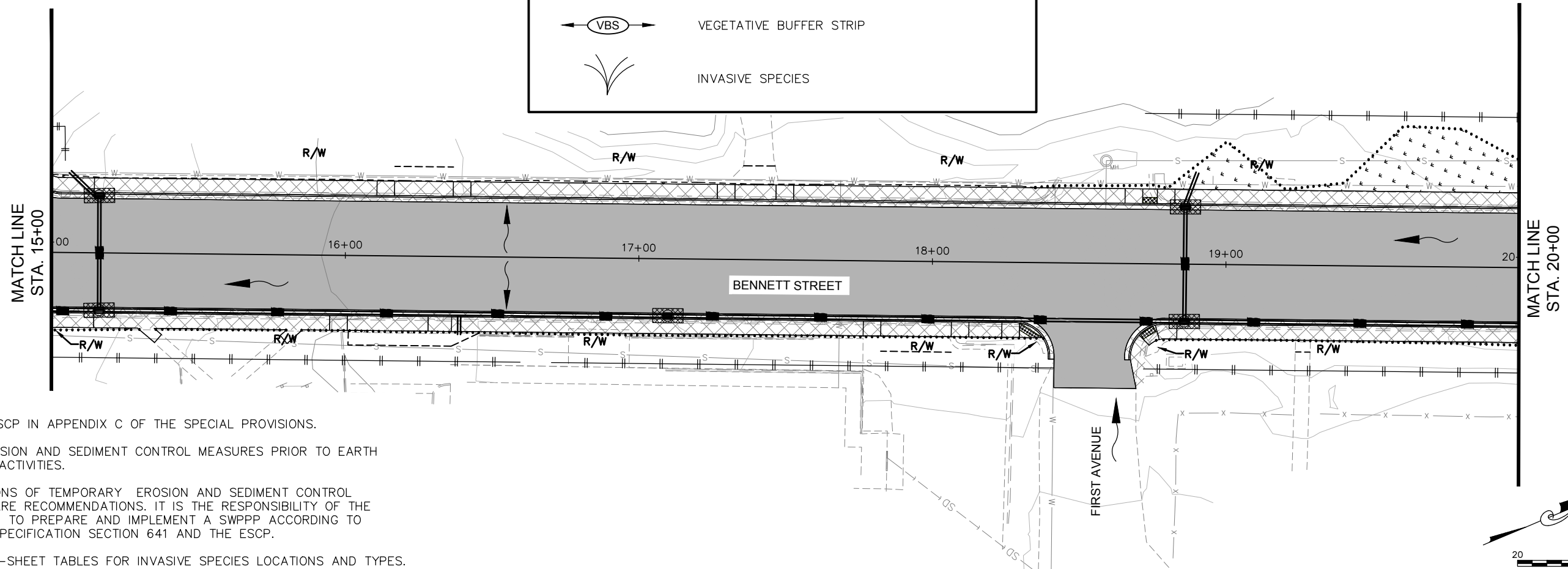
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	P1	66

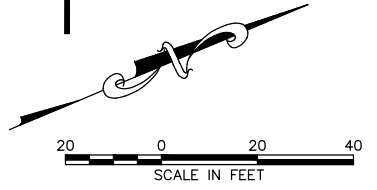


ESCP LEGEND

- DIRECTION OF STORM WATER FLOW
- GROUND DISTURBANCE AREA & PAVEMENT PLANING
- SEDIMENT BARRIER
- STORM DRAIN INLET PROTECTION
- VEGETATIVE BUFFER STRIP
- INVASIVE SPECIES

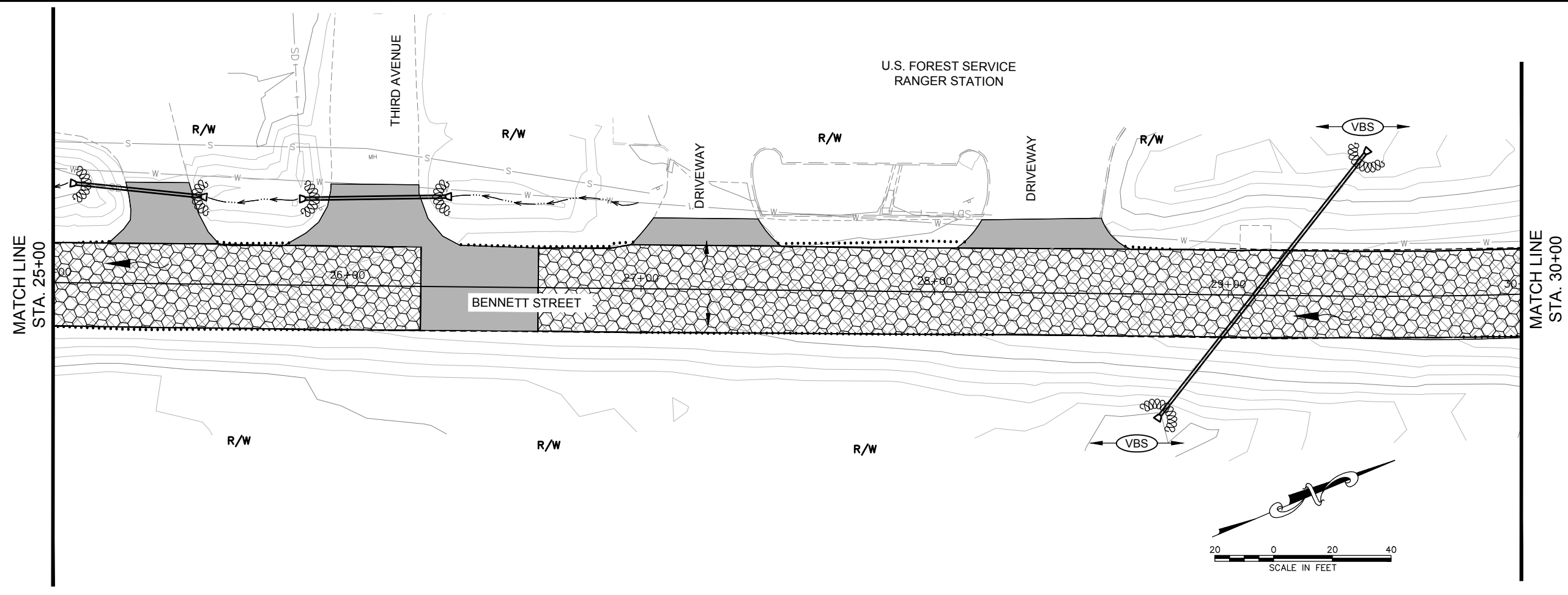
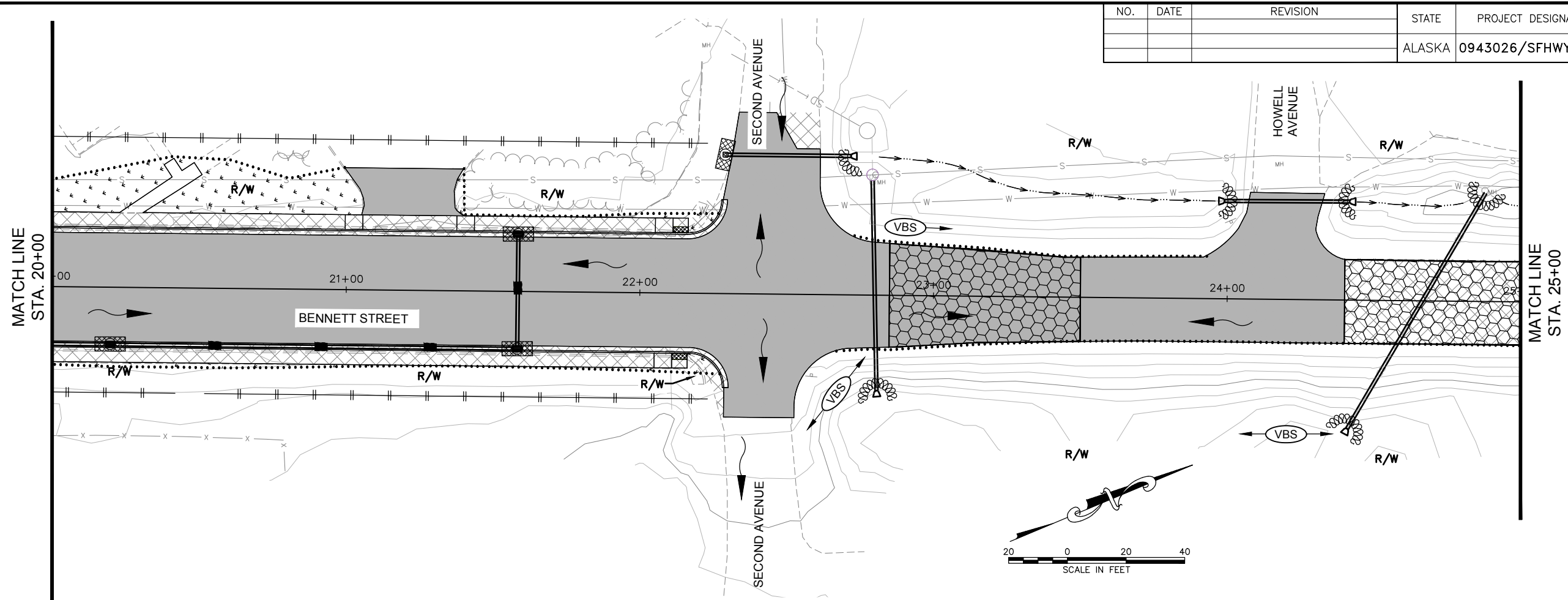


- ESCP NOTES:**
1. REFER TO ESCP IN APPENDIX C OF THE SPECIAL PROVISIONS.
 2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO EARTH DISTURBING ACTIVITIES.
 3. THE LOCATIONS OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO CONTRACT SPECIFICATION SECTION 641 AND THE ESCP.
 4. REFER TO D-SHEET TABLES FOR INVASIVE SPECIES LOCATIONS AND TYPES.



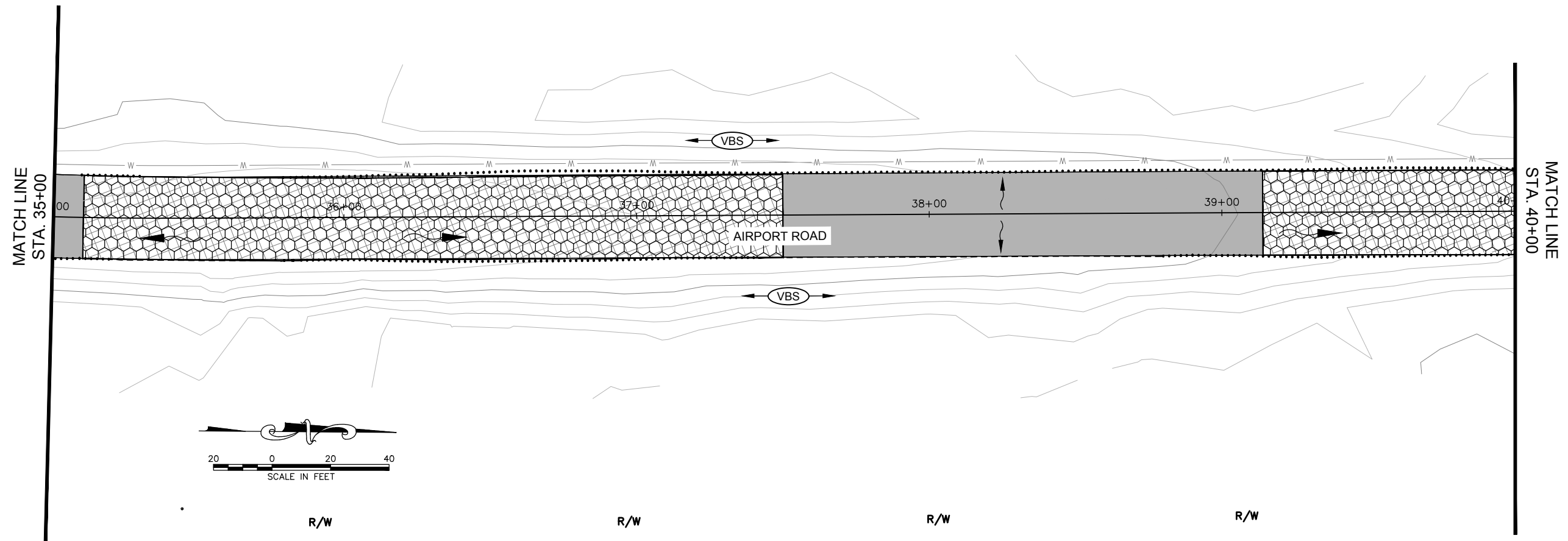
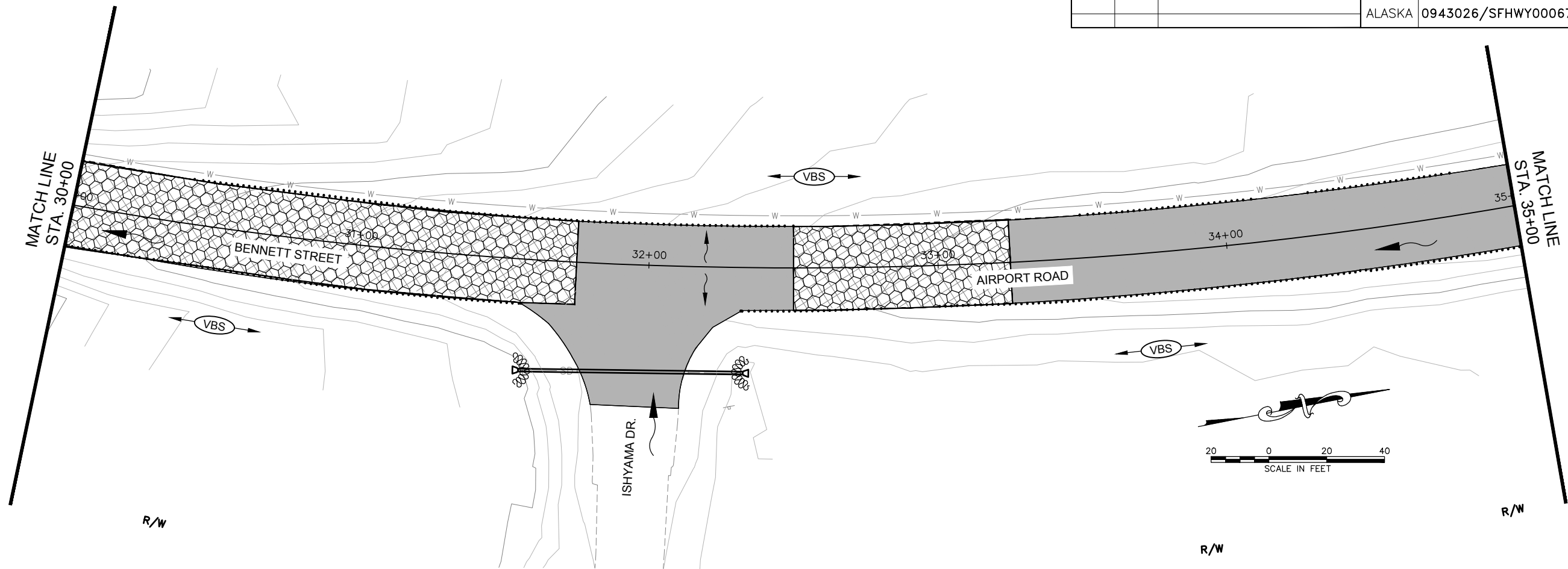
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 DATE 5/4/2018 10:24 LAYOUT | P2
 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AEC1848

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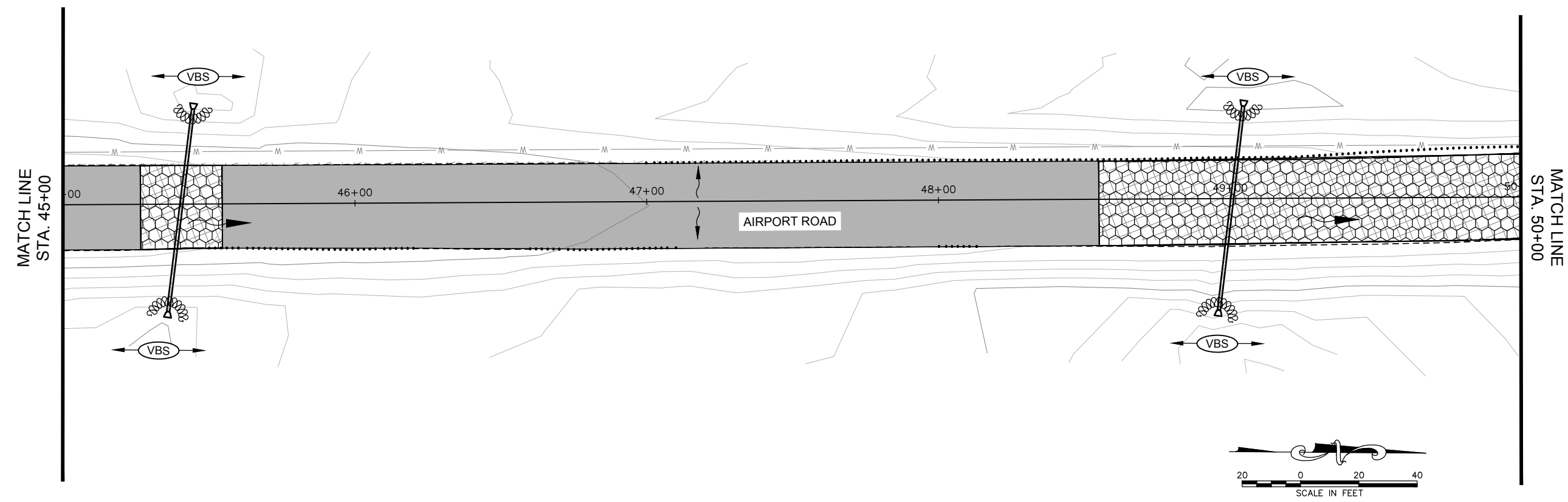
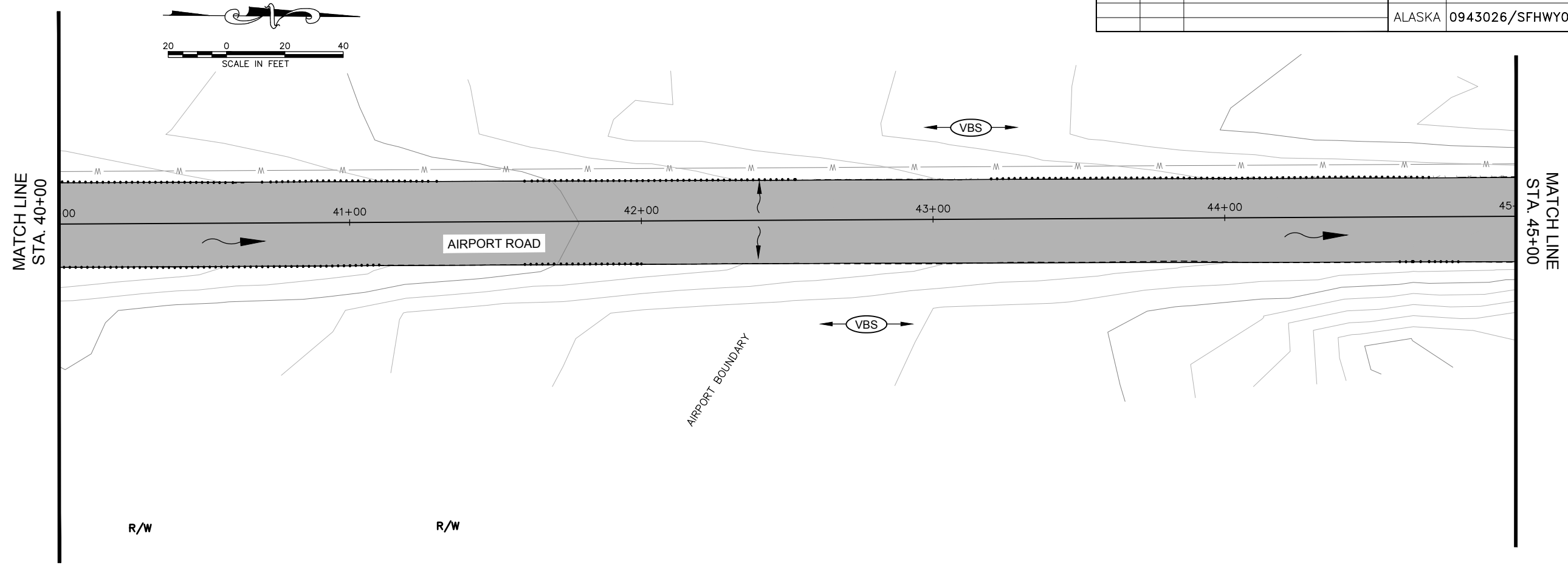


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 CHECKED VOORHEES
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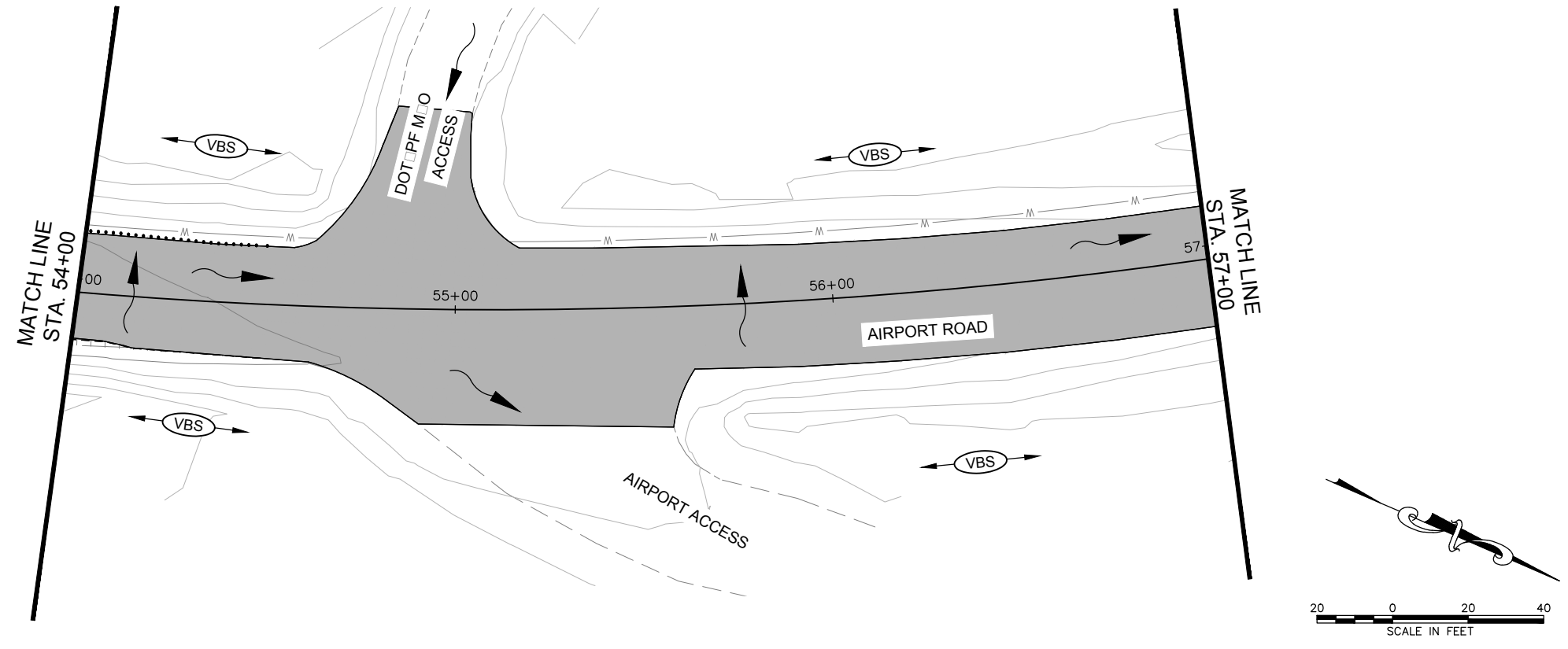
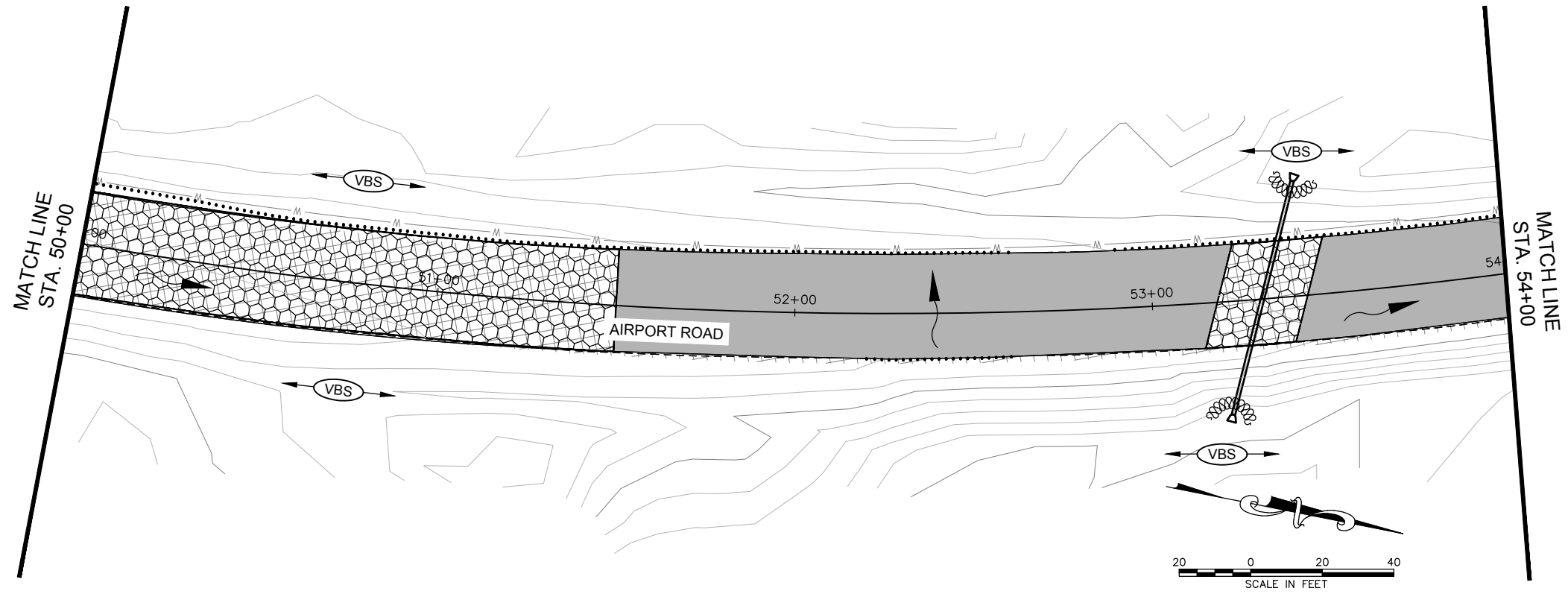
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			ALASKA	0943026/SFHwy00067	2018	P3	66



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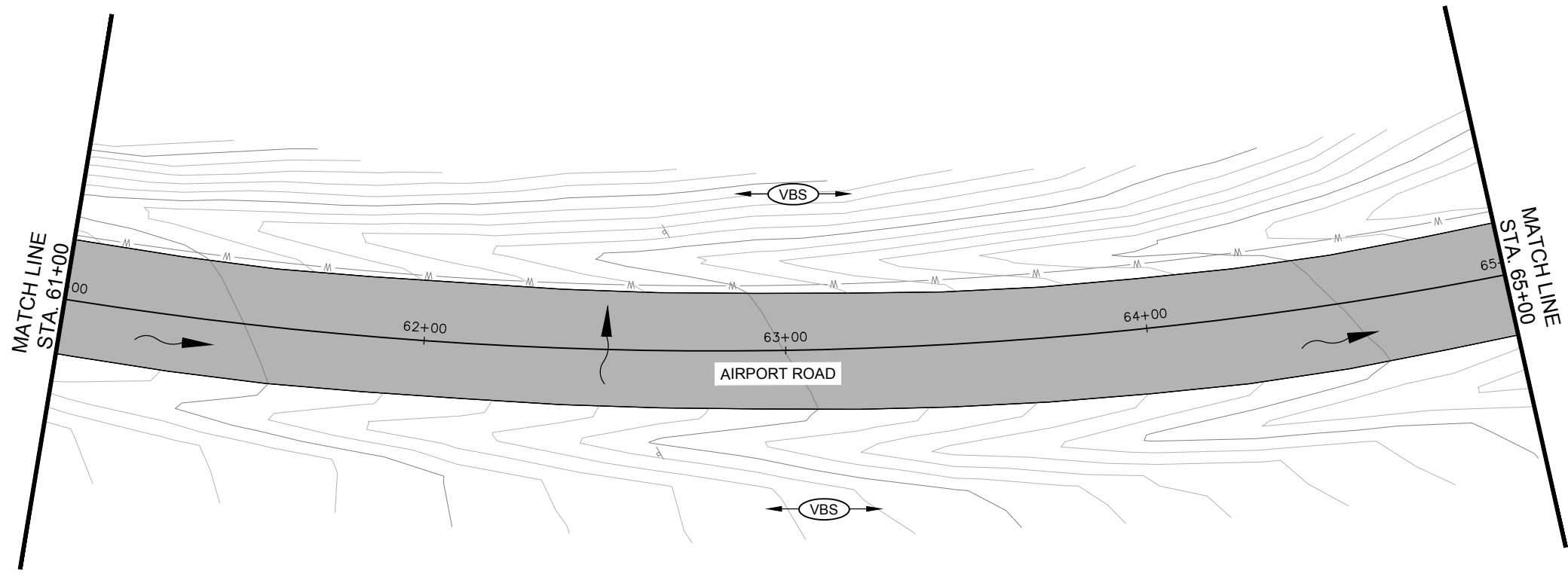
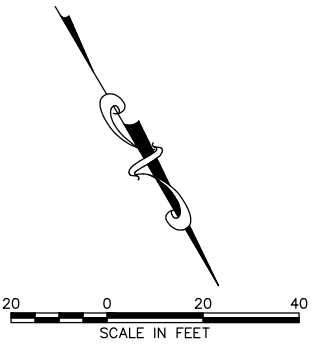
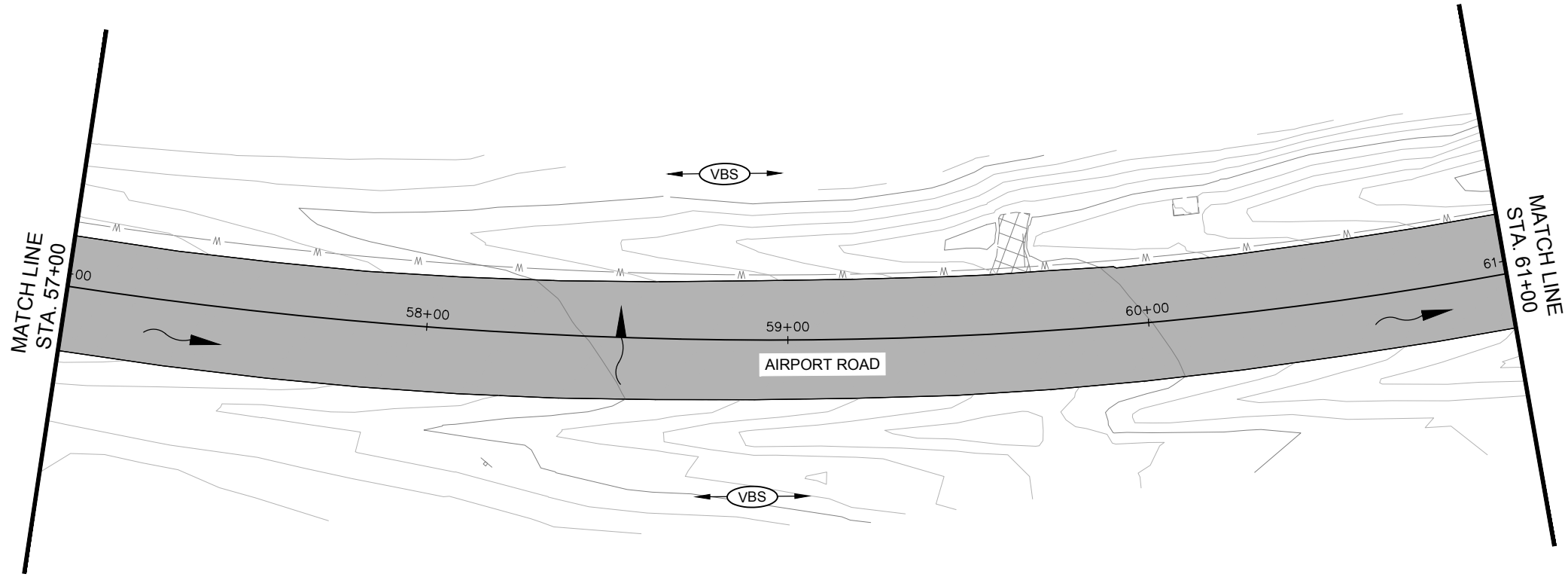
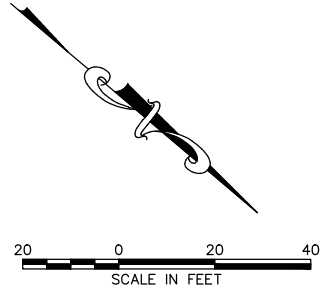


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			ALASKA	0943026/SFHwy00067	2018	P5	66



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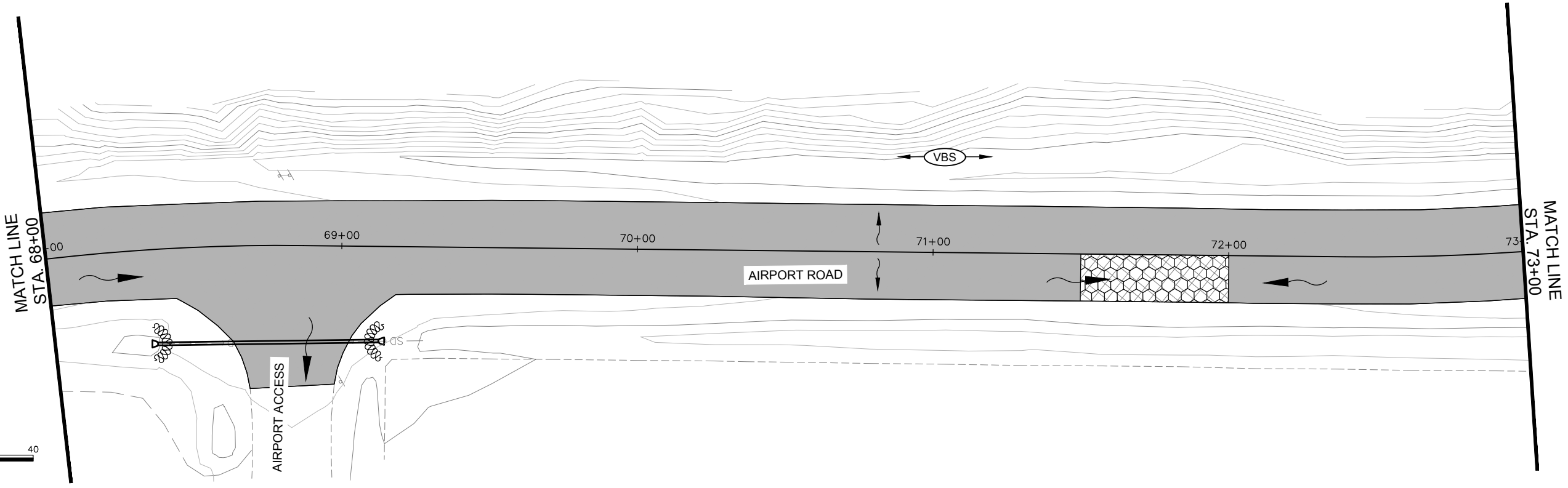
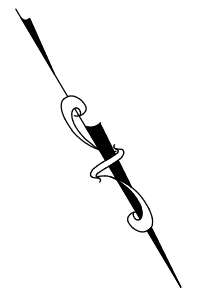
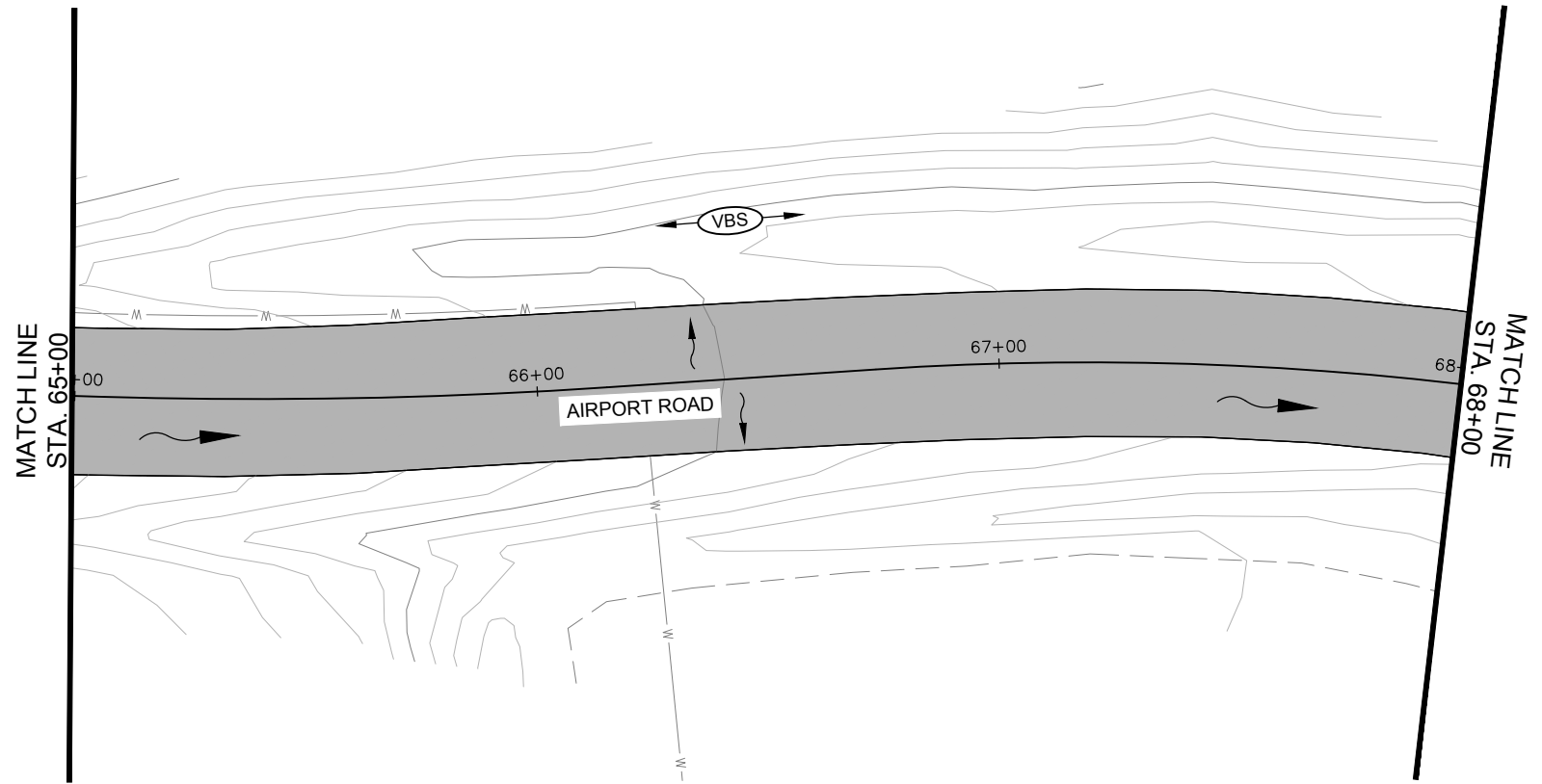
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 PHONE (907) 780-3533
 CERTIFICATE OF AUTH # AEC1848

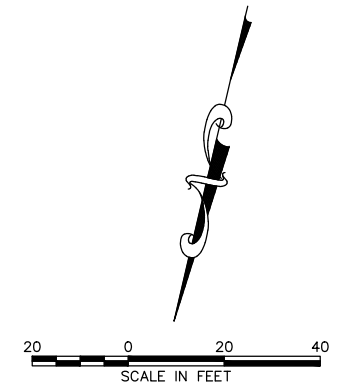
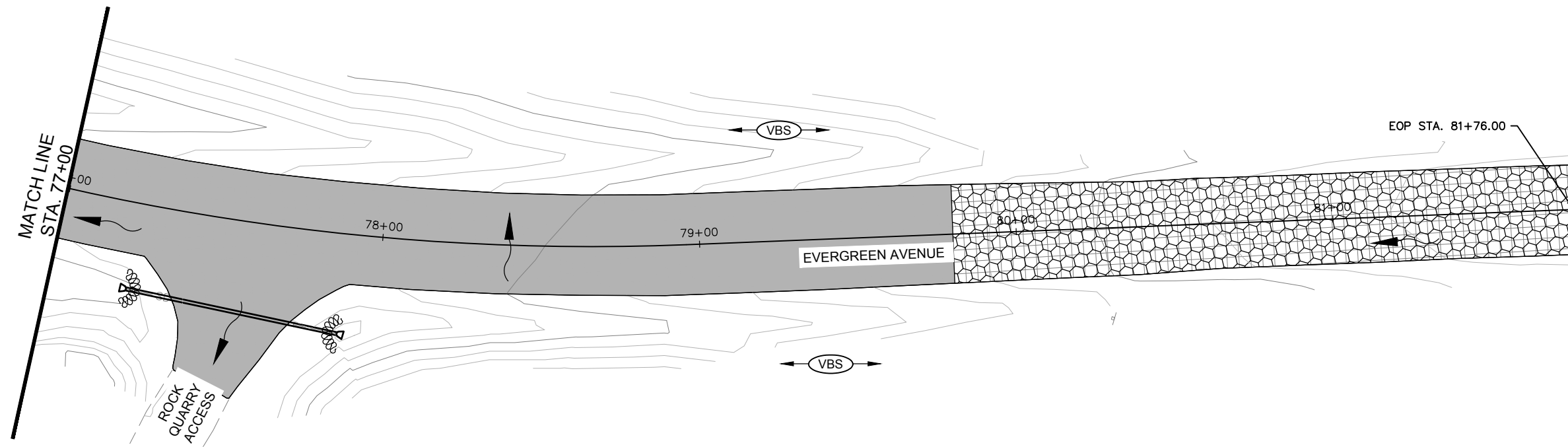
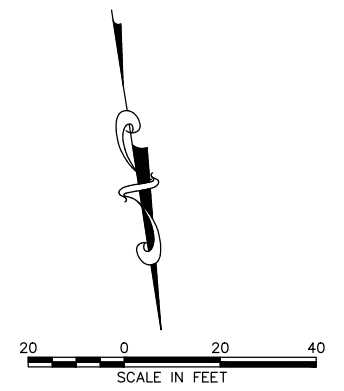
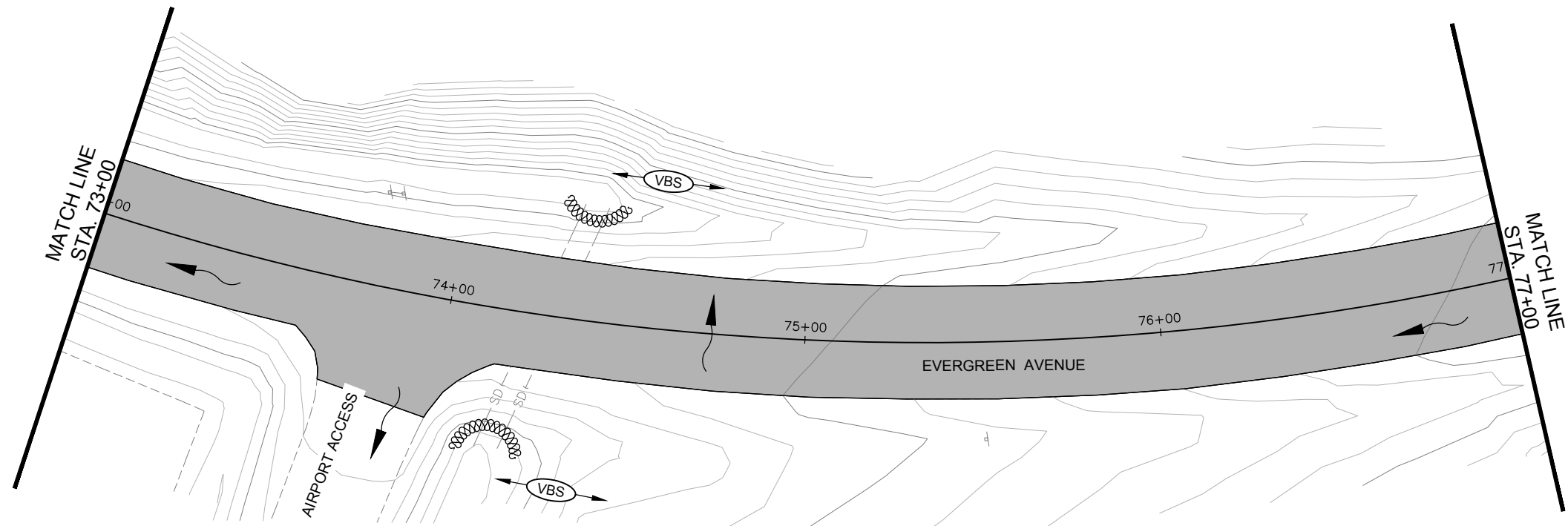
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 PHONE (907) 780-3533
 DESIGNED LOCKHART
 CHECKED VOORHEES
 DRAFTED SLATTEN, RG
 CERTIFICATE OF AUTH # AECIL848

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHWHY00067	2018	P8	66



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 DESIGNED: TAL
 CHECKED: EMV
 DRAFTED: CJS
 TOTAL SHEETS: 66

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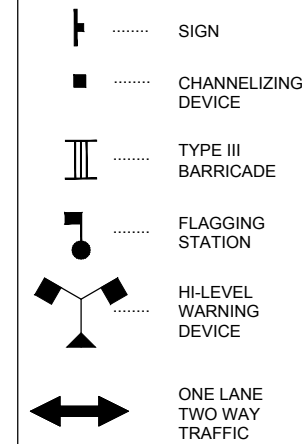
TRAFFIC CONTROL NOTES

- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR. ALL TCP'S MUST BE SUBMITTED FOR APPROVAL BY THE ENGINEER PRIOR TO USE.
- TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORKING HOURS. FLAGGERS MUST BE PRESENT FOR ANY LANE CLOSURES. FLAGGER STATIONS MUST BE ILLUMINATED AT NIGHT.
- TEMPORARY DRIVING LANES SHALL BE A MINIMUM WIDTH OF 10'-0" WIDE.
- THE UNEVEN LANES (CW8-11) SIGN SHOULD BE USED DURING OPERATIONS THAT CREATE A DIFFERENCE IN ELEVATION OF 2 INCHES OR GREATER BETWEEN ADJACENT LANES.
- CHANNELIZATION DEVICES USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
- APPROACHES MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN APPROACH, PROVIDED THAT THE CLOSURE DOES NOT EXCEED 4 HOURS AND THE AFFECTED RESIDENTS HAVE BEEN GIVEN 24 HOUR NOTICE OF THE CLOSURE.

WARNING SIGN SPACING

ROADWAY TYPE	URBAN	RURAL
A	100	500
B	100	500
C	100	500

TCP LEGEND

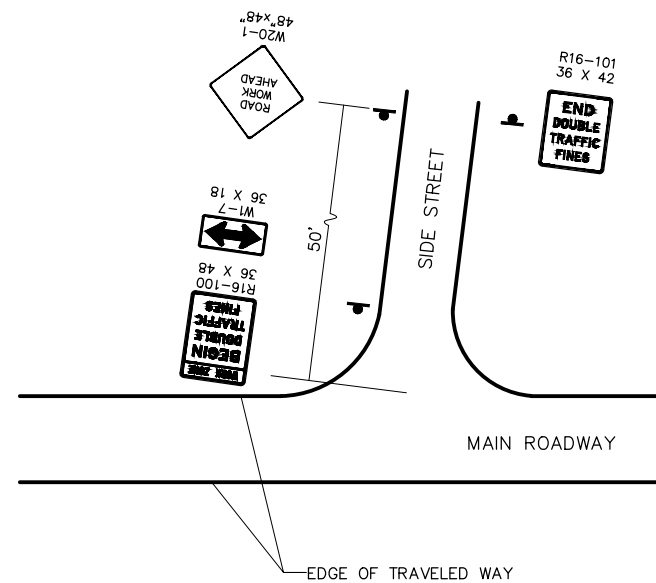


TCP SETUP TABLE

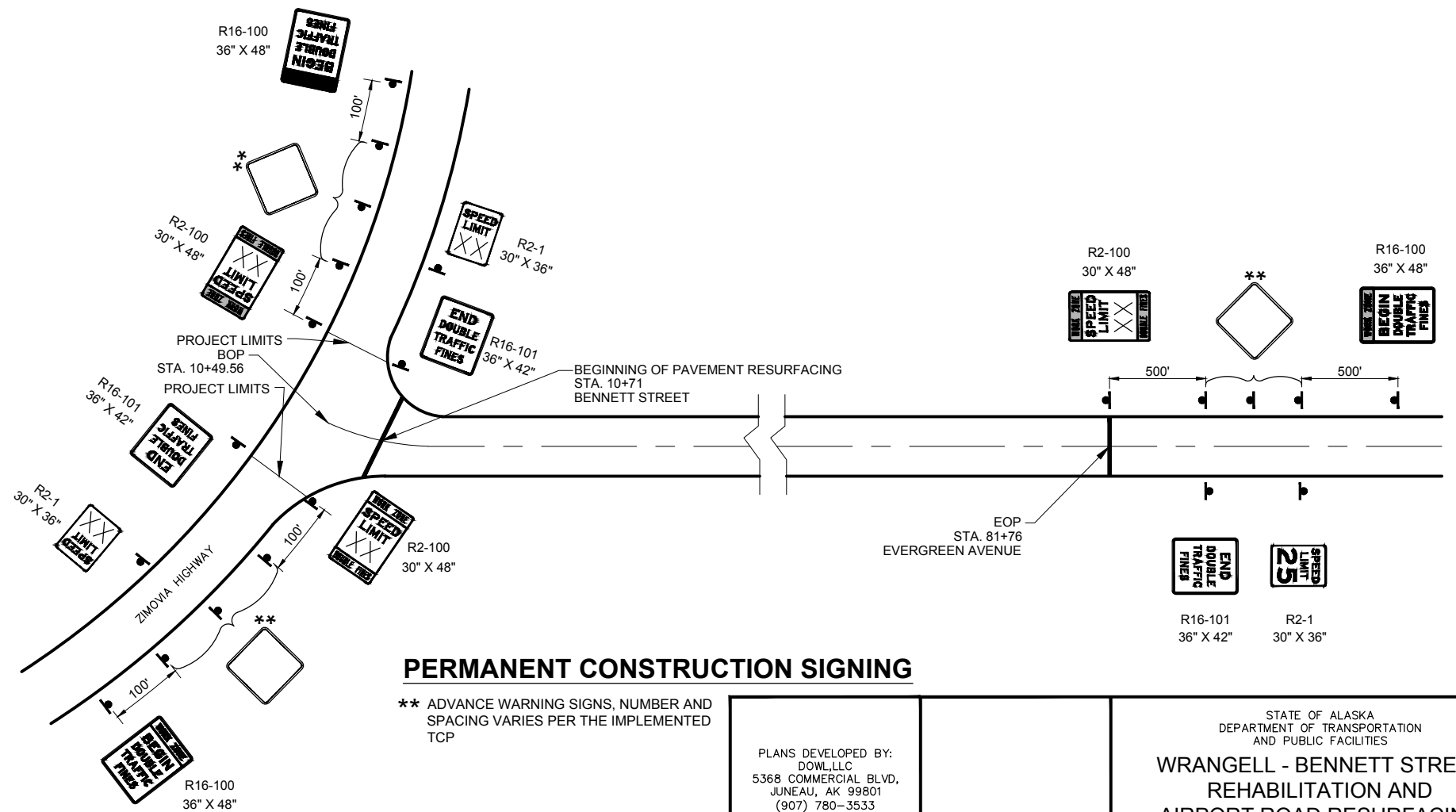
POSTED SPEED OR ANTICIPATED OPERATING SPEED (MPH)	MIN MERGING TAPER LENGTH (L) IN FEET FOR A GIVEN WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES FOR A GIVEN WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE (FT)
	10	11	12	10	11	12	ALONG TAPER	ALONG TANGENT	
20 OR BELOW	70	75	80	5	5	5	25	50	115
25	105	115	125	6	6	6	25	50	155
30	150	165	180	6	7	7	30	60	200
35	205	225	245	7	8	8	35	70	250
40	270	295	320	8	9	9	40	80	305
45	450	495	540	11	12	13	45	90	360
50	500	550	600	11	12	13	50	100	425

SIDE STREETS:

- WRANGELL AVENUE
- REID STREET
- REID STREET
- FIRST AVENUE
- SECOND AVENUE
- SECOND AVENUE
- HOWELL AVENUE
- THIRD AVENUE
- ISHIYAMA DRIVE
- AIRPORT ACCESS (STA 68+83)
- AIRPORT ACCESS (STA 73+85)



PERMANENT CONSTRUCTION SIGNING SIDE STREETS



PERMANENT CONSTRUCTION SIGNING

** ADVANCE WARNING SIGNS, NUMBER AND SPACING VARIES PER THE IMPLEMENTED TCP

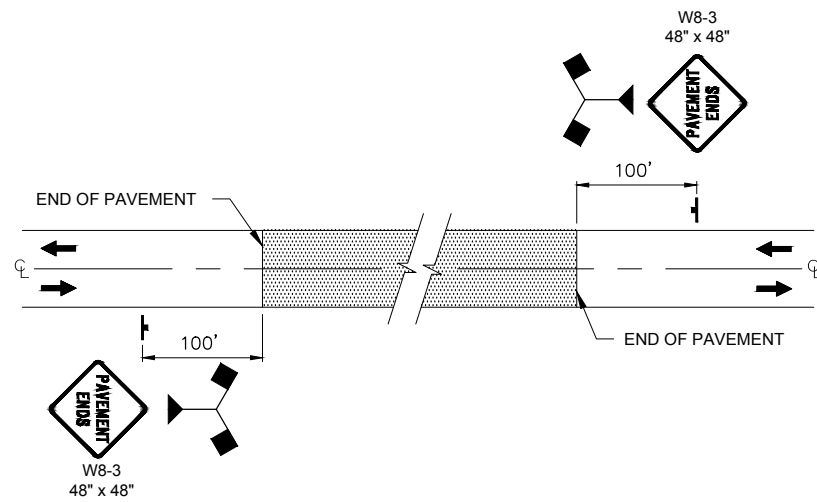
PLANS DEVELOPED BY:
DOWL, LLC
5368 COMMERCIAL BLVD,
JUNEAU, AK 99801
(907) 780-3533
#AECL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**WRANGELL - BENNETT STREET
REHABILITATION AND
AIRPORT ROAD RESURFACING**

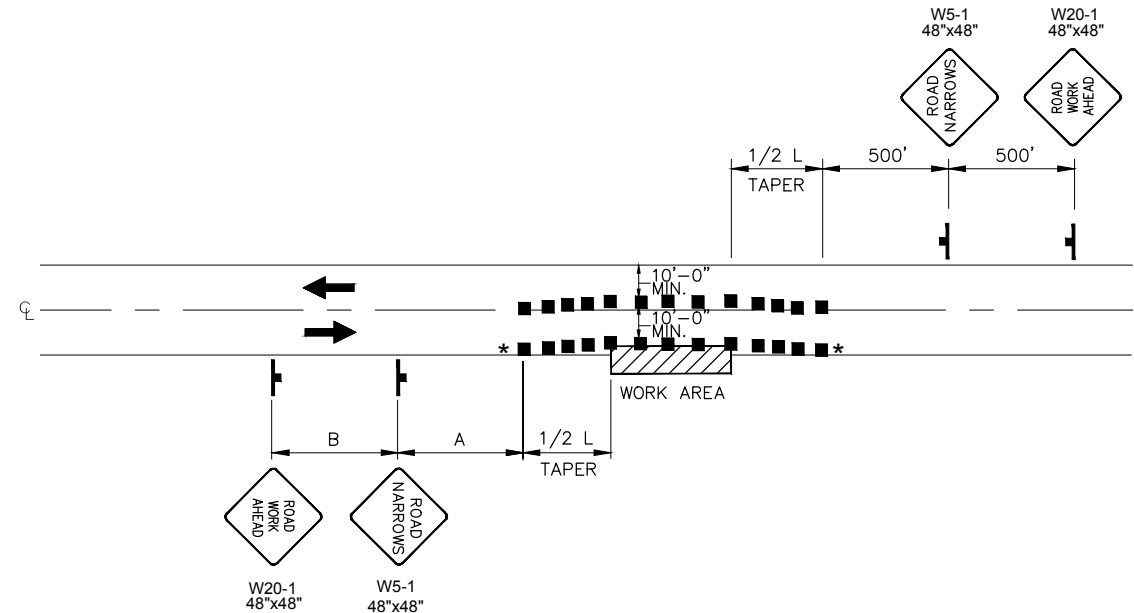
TRAFFIC CONTROL PLAN

FILE: q:\Wrg\sfhy000067\Plan\set\000067_T1-T2.dwg DATE: 5/4/2018 13:34 LAYOUT: T2 DESIGNED: TAL CHECKED: EMV DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0943026/SFHwy00067	2018	T2	66

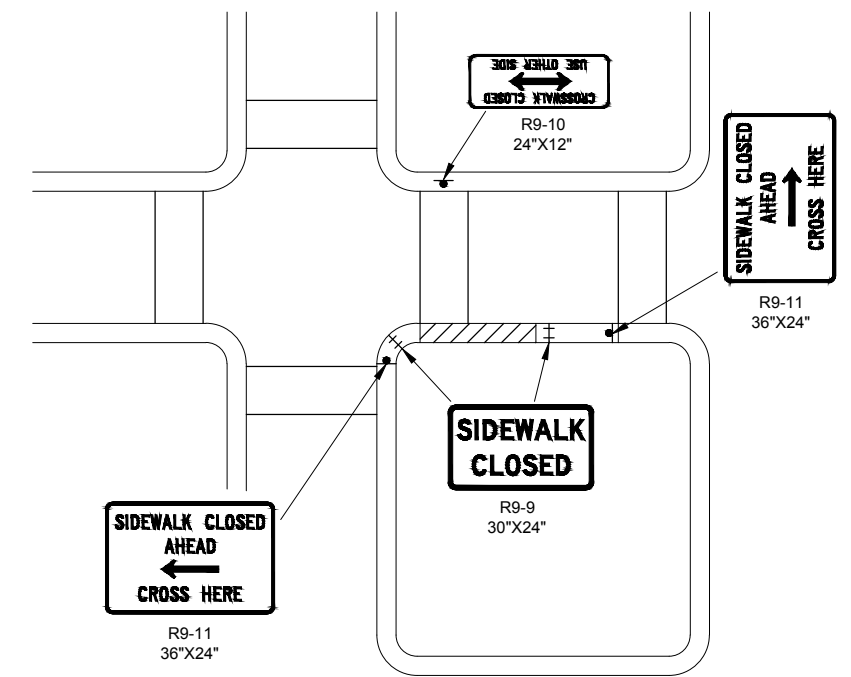


SIGNING FOR UNPAVED AREA



ROADWAY ENCROACHMENT

NOTE:
IF ONLY ONE LANE IS AFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE SHALL BE DELETED.
* NO PARKING WITHIN 200' OF CHANNELING DEVICES.

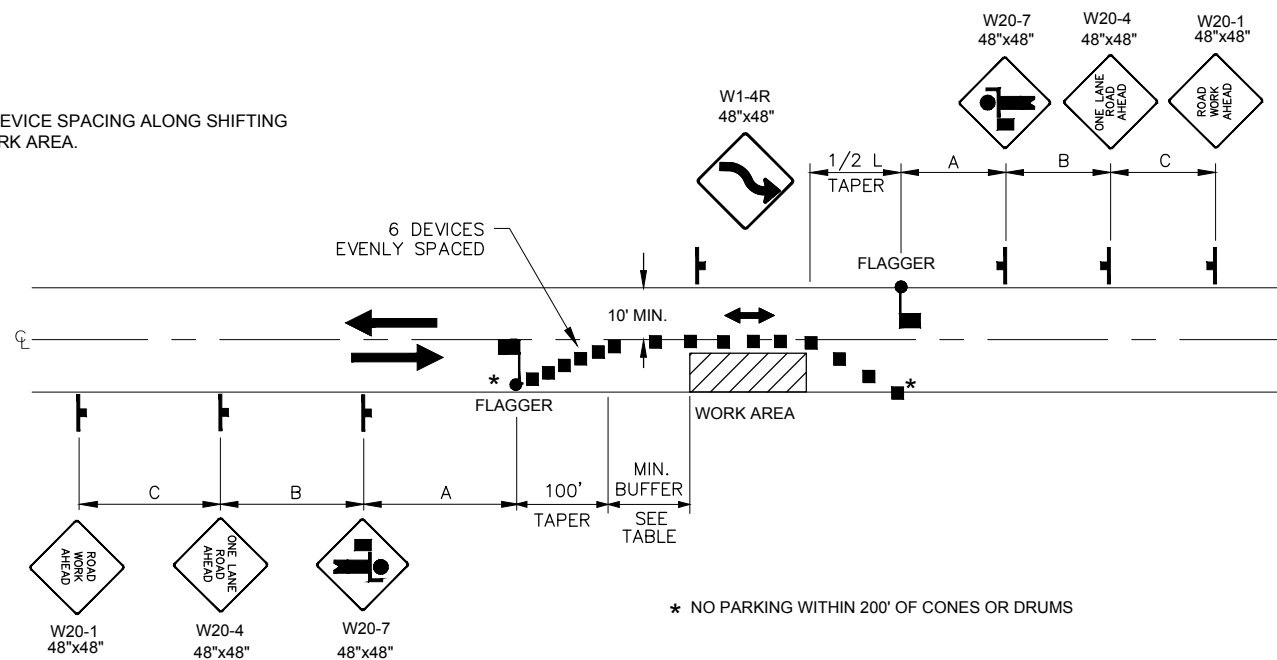


INTERSECTION SIDEWALK CLOSURE

LEGEND

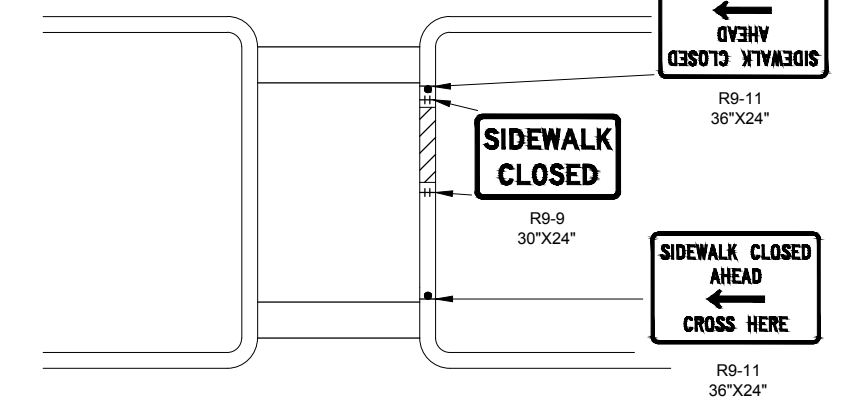
- ± TYPE II BARRICADE OR TUBULAR MARKER
- ◄ SIGN
- ▨ WORK AREA

NOTE:
REFER TO TCP SETUP TABLE FOR DEVICE SPACING ALONG SHIFTING TAPERS, BUFFER SPACES, AND WORK AREA.



TWO LANE ROAD - SINGLE LANE CLOSURE
DOUBLE FLAGGER

* NO PARKING WITHIN 200' OF CONES OR DRUMS



MID-BLOCK SIDEWALK CLOSURE

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JUNEAU, AK 99801
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TRAFFIC CONTROL PLAN