State of Alaska

Department of Transportation and Public Facilities

Statewide Design and Engineering Services Division

JUNEAU, ALASKA

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS PHASE II

CM-0003(81) / 68314

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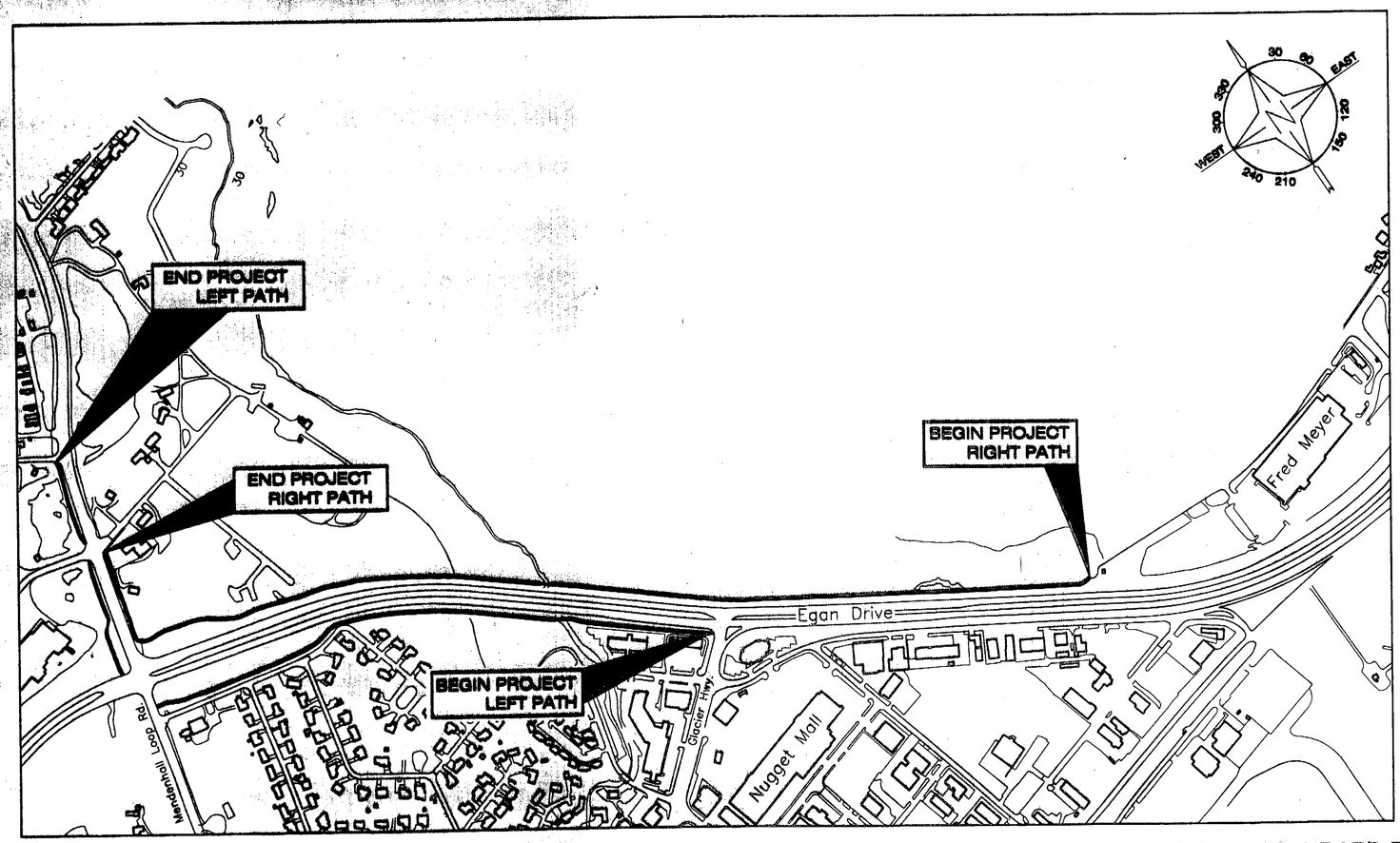
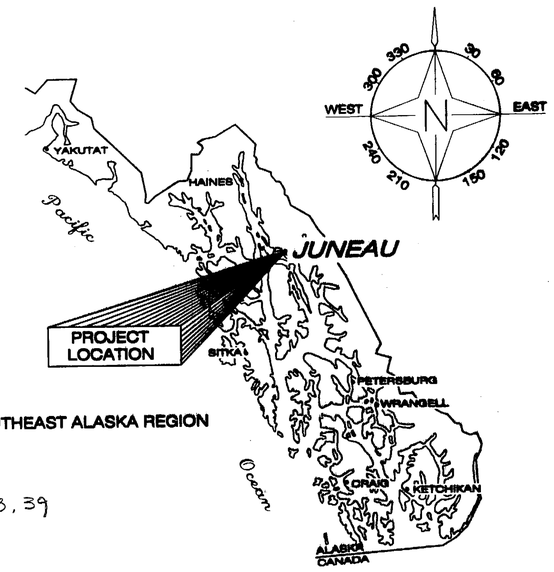
J1-J2	TRAFFIC CONTROL PLANS
P1	EROSION & POLLUTION CONTROL DETAILS



VICINITY MAP



SOUTHEAST ALASKA REGION

As-Built Plan's

Contractor: Bicknell, Inc.
Project Engineer: Al Culbreath
Begin Date: May 27, 2003
End Date: August 21, 2003
Total Contract Amount: $616,963.39

PROJECT SUMMARY

LENGTH OF GRADING	=	1.75 miles
LENGTH OF PAVING	=	1.75 miles
WIDTH OF PAVING	=	10'
LENGTH OF PROJECT	=	1.75 miles

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Wed, 08/Jan/03 01:06PM jdosburn
PLOT: PSPACE OR MSPACE: 1000mm=1m(F) TAB: TSHT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

STATE OF ALASKA 49th Victor Winters Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL:
PATRICK J. KEMP
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE 1/28/03

APPROVED:
For ROBERT DOLL
DIRECTOR, SOUTHEAST REGION — DATE 1/28/03

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:
AL Culbreath — CONSTRUCTION PROJECT MANAGER — DATE 2/10/04

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-01.00 F-01.01 I-20.13 I-21.00 I-22.00

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CM-0003(81) - 68314	2003	A1	15

Estimate of Quantities

ITEM	PAY ITEM	UNIT	QTY.
201 (3B)	Clearing and Grubbing	Lump Sum	All Required
202 (1)	Removal of Structures and Obstructions	Lump Sum	All Required
203 (6)	Borrow	Ton	8337 ~~8960~~
504 (9)	Prefabricated Steel Bridge	Each	2
514 (1)	Field Preservative Treatment of Timber Structures	Lump Sum	All Required
516 (1)	Bridge Foundations	Lump Sum	All Required
603 (1-18)	18 Inch CSP	Linear Foot	194.5 ~~50~~
603 (1-24)	24 Inch CSP	Linear Foot	47 ~~60~~
607 (3)	Chain Link Fence	Foot	5138 ~~4800~~
608 (2)	Asphalt Sidewalk	Linear Foot	9520 ~~9300~~
608 (4)	Bed Course Material, Grading C	Linear Foot	9226 ~~9300~~
618 (1)	Seeding	Lump Sum	All Required
627 (10)	Adjustment Of Valve Box	Each	0 ~~4~~
630 (2)	Geotextile, Reinforcement	Square Yard	1776 ~~6260~~
634 (1)	Geomembrane, Root Barrier	Linear Foot	266 ~~230~~
640 (1)	Mobilization and Demobilization	Lump Sum	All Required
641 (1)	Erosion & Pollution Control Administration	Lump Sum	All Required
641 (2)	Erosion & Pollution Control	Contingent Sum	All Required
641 (3)	Silt Fence	Linear Foot	5046 ~~3900~~
641 (4)	Temporary Check Dam	Each	19
642 (1)	Construction Surveying	Lump Sum	All Required
643 (2)	Traffic Maintenance	Lump Sum	All Required
660 (14)	Reconstruct Handhole	Each	2 ~~4~~
660 (15)	Signal Interconnect, 6-pair Telephone Cable, 18-Guage	Lump Sum	All Required
660 (16)	Adjust Electrolier	Each	1 ~~4~~

UPDATED 1/27/2003 15:45

608 (5a)	Shoulder Material, Grading "C", CO 1	TON	236.26
614 (6)	Block Retaining Wall, CO 1	LUMP SUM	ALL REQUIRED

Basis Of Estimate

ITEM	PAY ITEM	ESTIMATING FACTOR
203 (6a)	Borrow, Selected Material, Type A	1.81 ton/cy
608 (2)	Asphalt Sidewalk	117 lb/sy/in
608 (4)	Bed Course Material, Grading D-1	1.96 ton/cy

UPDATED 05/08/2002 2:22 PM

Removal of Structures and Obstructions

ITEM	ESTIMATED QTY.	UNIT
Chain Link Fence	4800	Linear Foot
Asphalt Pavement	9060	Square Yard
Steel Pedestrian Bridge	2	Each
Miscellaneous Culverts	60	Linear Foot
Manhole	1	Each

UPDATED 12/9/02 9:23 AM

Electrolier Adjustment Summary

STATION	LEFT PATH	RIGHT PATH
"M" 23+50		X
"M" 24+40		X
"M" 29+90	X	
"M" 31+50	X	

UPDATED 12/09/2002 9:34 AM

Pipe Summary

STATION	LEFT PATH	RIGHT PATH	DIAMETER	ACTION
"E" 34+10		X	24"	REPLACE
"E" 49+65		X	24"	REPLACE
"E" 75+04		X	18"	EXTEND
"E" 75+85	X		18"	EXTEND
"M" 21+75		X	18"	EXTEND

UPDATED 12/09/2002 9:17 AM

Slope-Widening Summary*

SIDE OF EGAN DR.	STATION FROM	STATION TO	SLOPE DIRECTION	WIDENING DIRECTION
RT	31+00	59+65	LT	LT
LT	51+70	69+70	RT	RT
RT	59+65	79+10	RT	RT
LT	69+70	80+35	LT	LT

UPDATED 8/27/2002 17:35

Fence Re-Construction Summary

SIDE OF EGAN DR.	STATION FROM	STATION TO	REMARKS
RT	34+10	59+15	Inner Fence - Replace per Typical Section Details
LT	50+70	70+60	Inner Fence - Replace per Typical Section Details
RT	71+21	76+70	Outer Fence - Move within ROW Limits

UPDATED 8/27/2002 18:04

* **NOTE:** Refer to Typical Section Sheets for Slope-Widening Details on paths adjacent to Mendenhall Loop Road. Slope widening must occur in directions indicated to avoid filling Class B Wetlands.

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TAB: B1 Summaries

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Estimate of Quantities

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Estimate of Quantities

PROJECT DESIGNATION NUMBER
CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
B1	15

General Typical Section Notes:

① CROSS SLOPE WILL BE 2.0%. DIRECTION OF CROSS SLOPE WILL VARY BY LOCATION AS INDICATED IN THE PLANS OR AS DIRECTED.

② SEE PLAN SHEETS FOR TYPICAL LOCATIONS.

③ GRADE RAISE AREAS WILL TAPER TO MATCH EXISTING ELEVATIONS AT INTERSECTIONS AND DRIVEWAYS. THE INTENTION OF GRADE RAISE IS TO ELIMINATE STANDING WATER FROM PAVED PATHWAY SURFACES.

④ MAXIMUM LONGITUDINAL GRADE IS 5%.

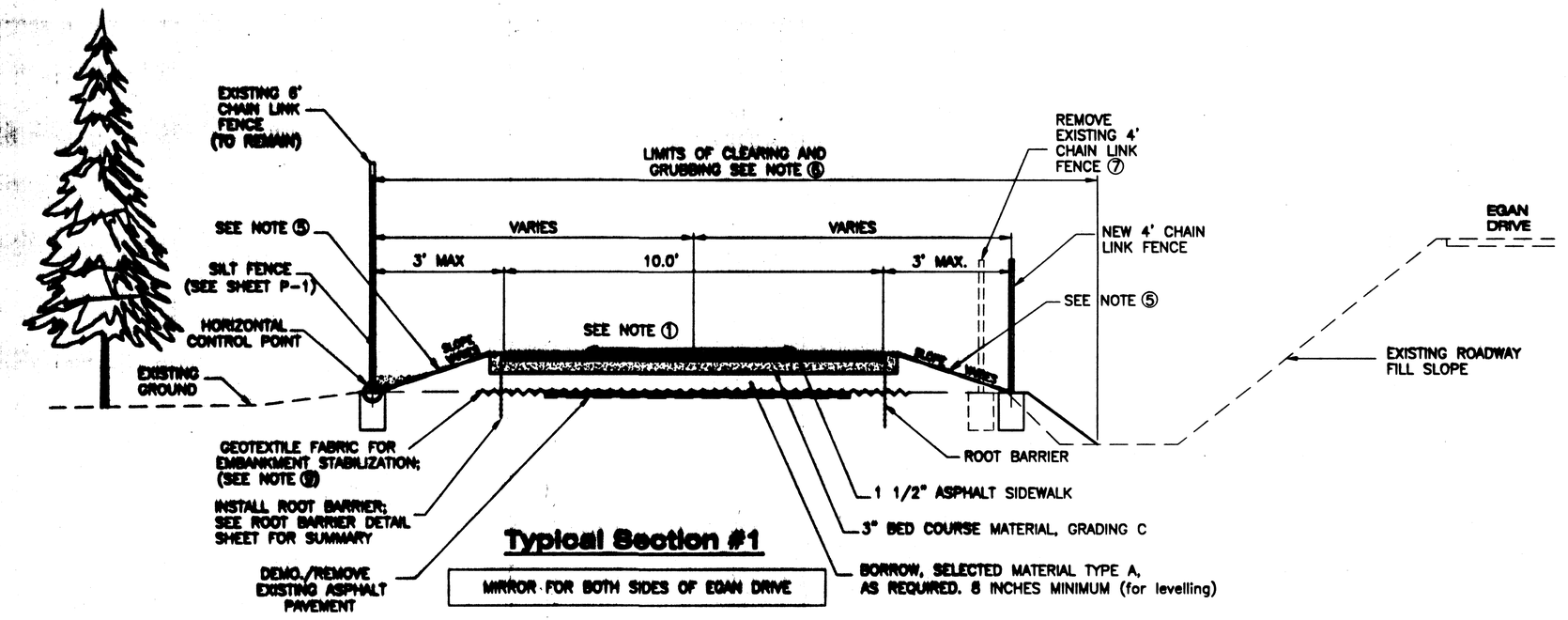
⑤ TOPSOIL AND SEED ALL NEW SLOPES AND DISTURBED AREAS. TOPSOIL SHALL BE PLACED WITH A MINIMUM DEPTH OF 2". EXISTING TOPSOIL MAY BE STRIPPED AND REUSED WHEN PRESENT. DO NOT REUSE ANY SOIL CONTAINING REED CANARY GRASS (INVASIVE PLANT) WITHOUT FOLLOWING PROCEDURE IDENTIFIED IN THE ENVIRONMENTAL COMMITMENTS. DO NOT PLACE TOPSOIL ON PATH SHOULDERS.

⑥ CLEARING AND GRUBBING ONLY AS REQUIRED OR DIRECTED WITHIN THE RIGHT OF WAY LIMITS. REMOVE AND DISPOSE OF REED CANARY GRASS. ALL TREES WITHIN THE RIGHT-OF-WAY THAT ARE DAMAGING THE EXISTING PATH WILL BE CLEARED AND GRUBBED AS DIRECTED. THIS WORK INCLUDES STUMP REMOVAL AS SPECIFIED IN SECTION 201.

⑦ REMOVE 4' CHAIN-LINK FENCE AT START OF PROJECT; REPLACE ACCORDING TO TYPICAL SECTION DETAILS. (FOR FENCE DETAILS, REFER TO STD. DWG. F-01.01)

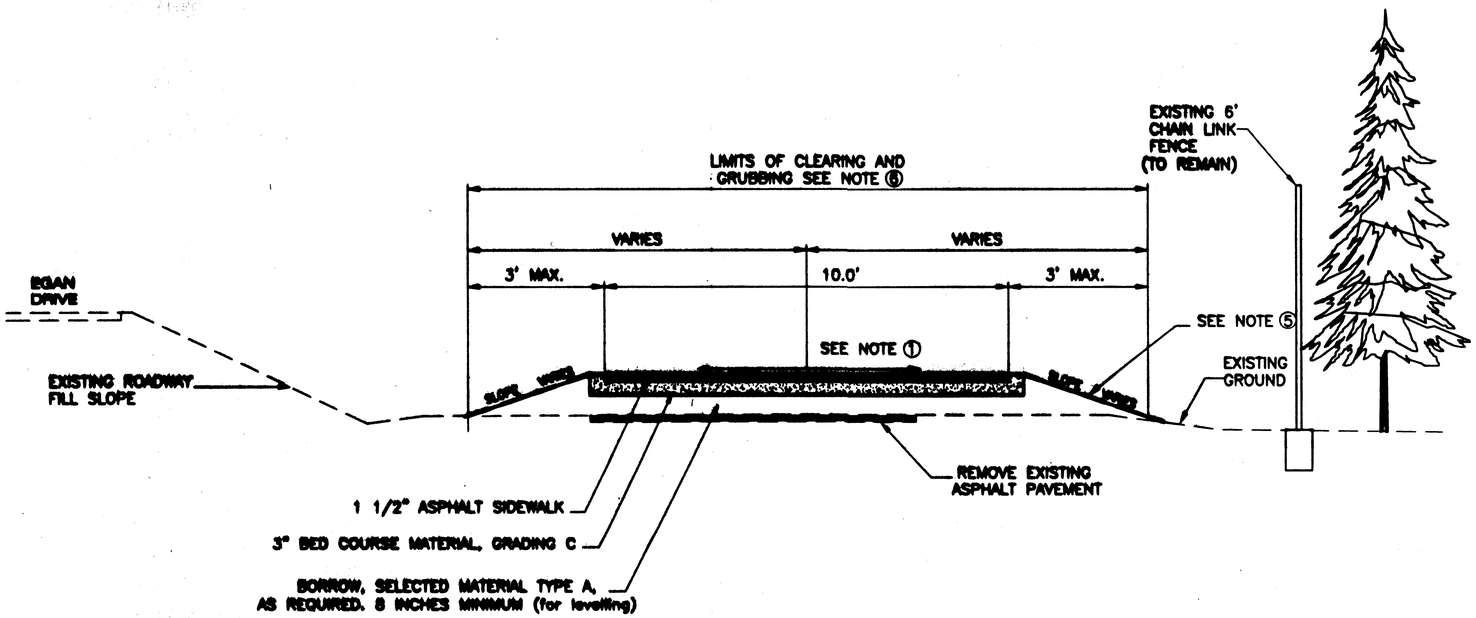
⑧ VARY WIDTH OF PATH FILL SLOPE TO FIT PHYSICAL CONSTRAINTS AS DIRECTED.

⑨ SOFT SOILS EXIST ON RIGHT PATH (FRED MEYERS TO JORDAN CREEK PED. BRIDGE). PLACE GEOTEXTILE AS DIRECTED BY ENGINEER.



Typical Section #1

MIRROR FOR BOTH SIDES OF EGAN DRIVE



Typical Section #2

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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ADDENDUM NUMBER

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No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor Winters Victor M. Winters CE-8992

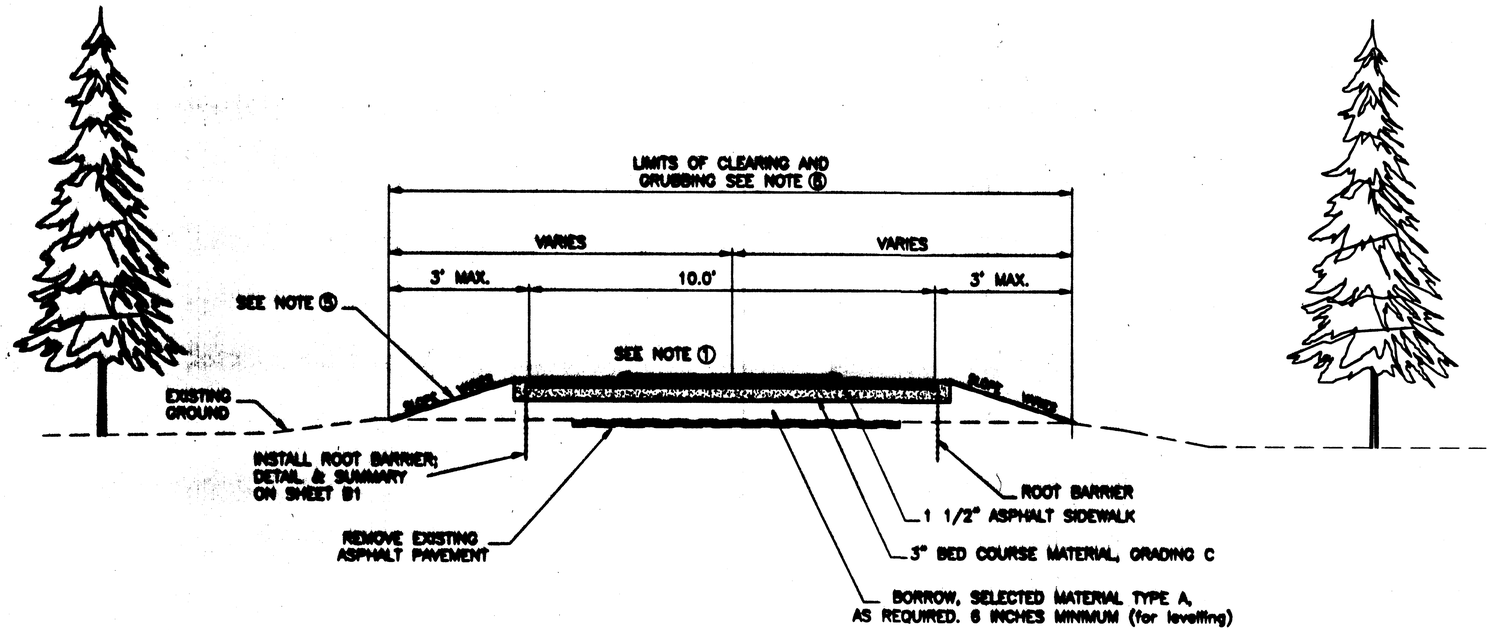
CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Typical Sections

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
C1	15



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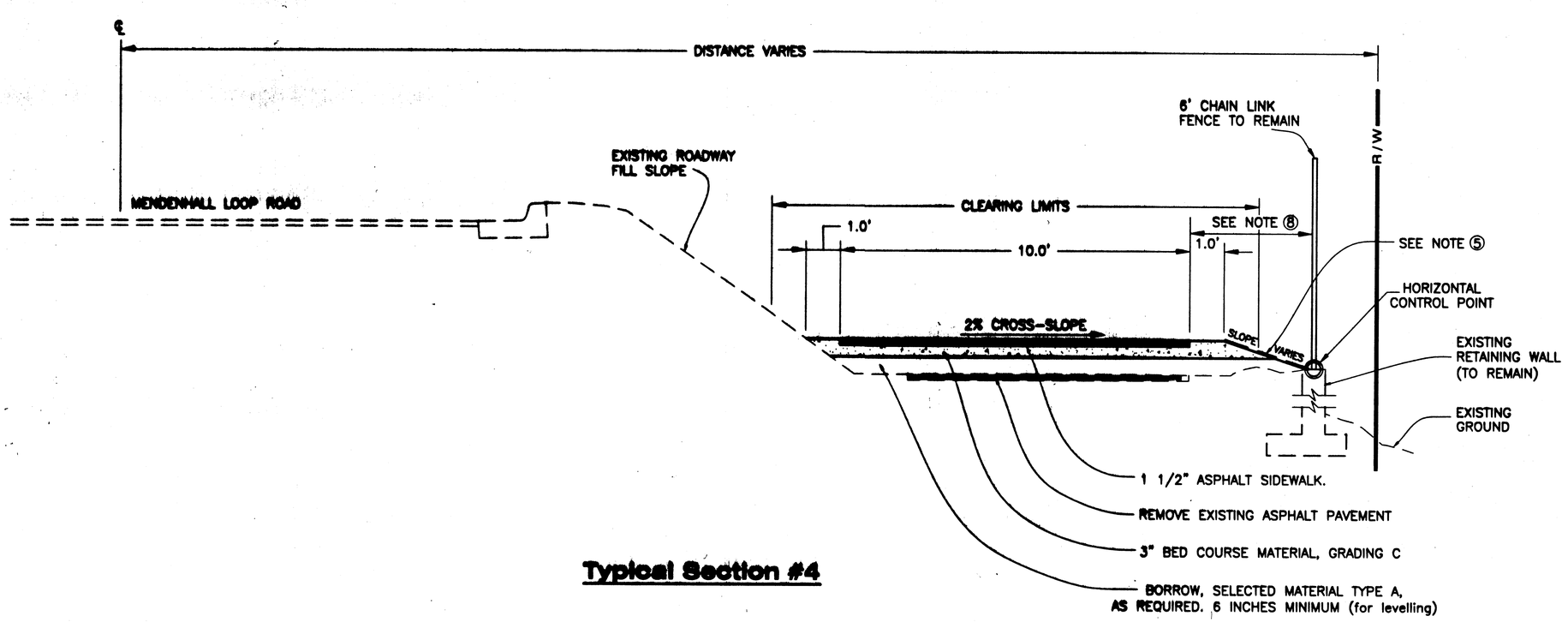

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ADDENDUM NUMBER

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MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

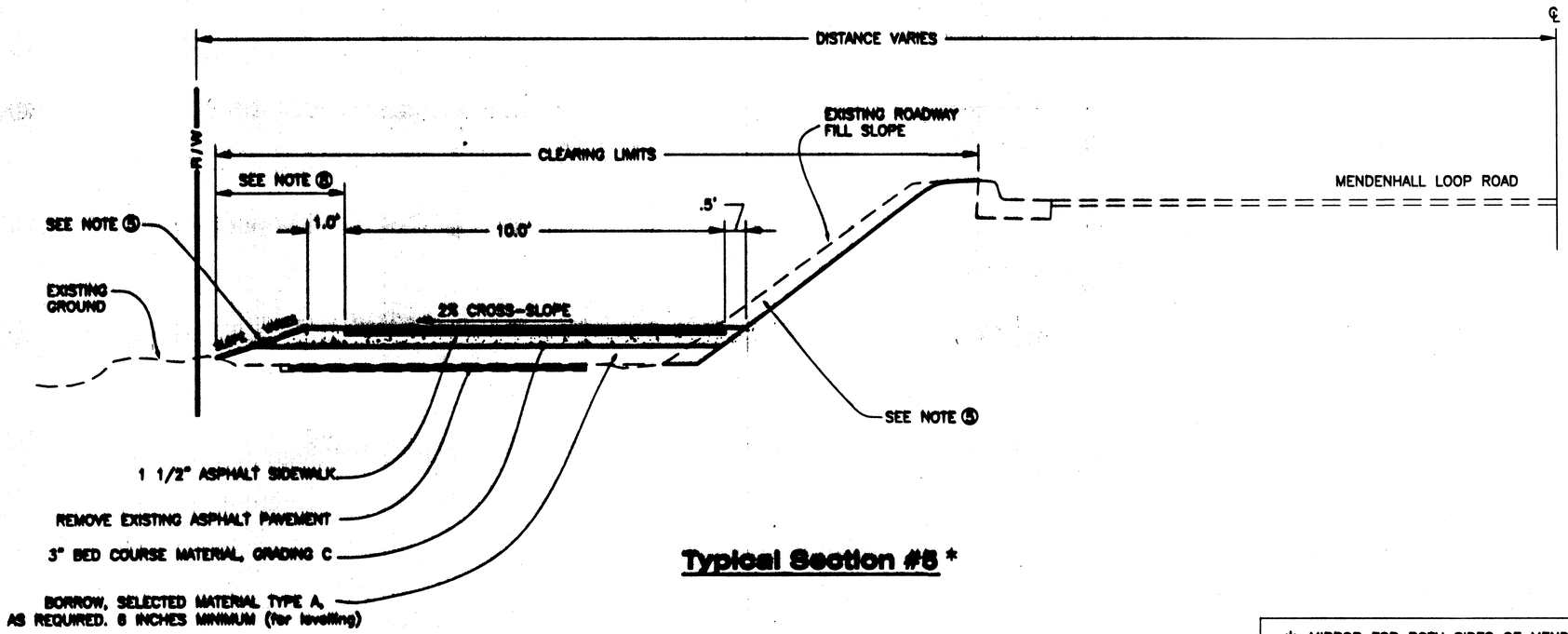
STATE OF ALASKA
49th
Victor M. Winters
CE-8992
PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

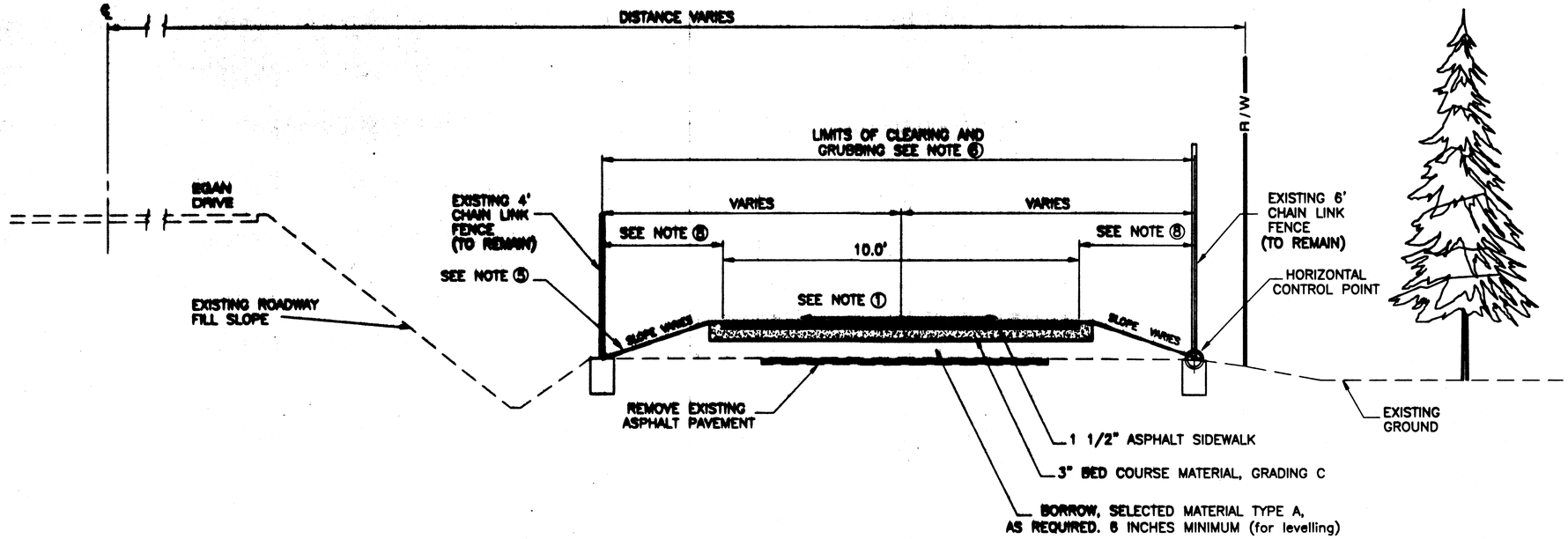
Typical Sections

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
C2	15



Typical Section #5 *

* MIRROR FOR BOTH SIDES OF MENDENHALL LOOP ROAD



Typical Section #6

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ADDENDUM NUMBER

ATTACHMENT NUMBER

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MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Typical Sections

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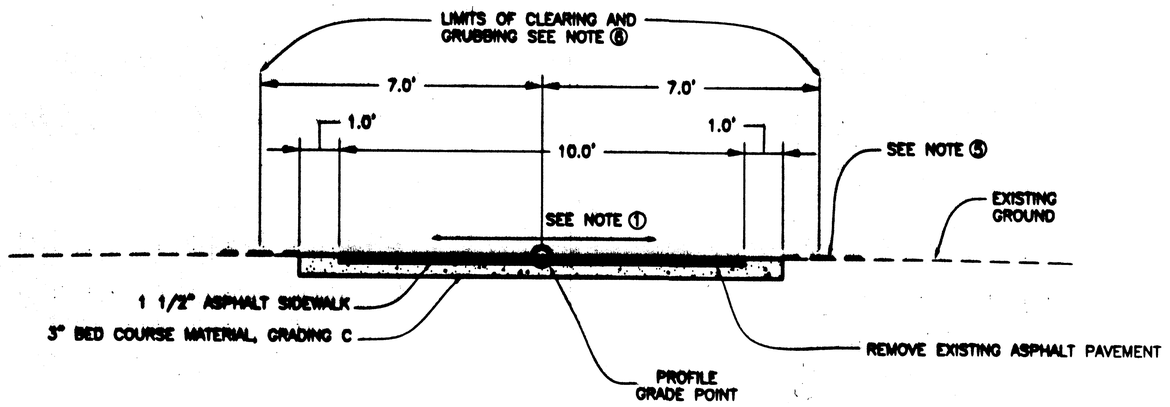
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
C3	15



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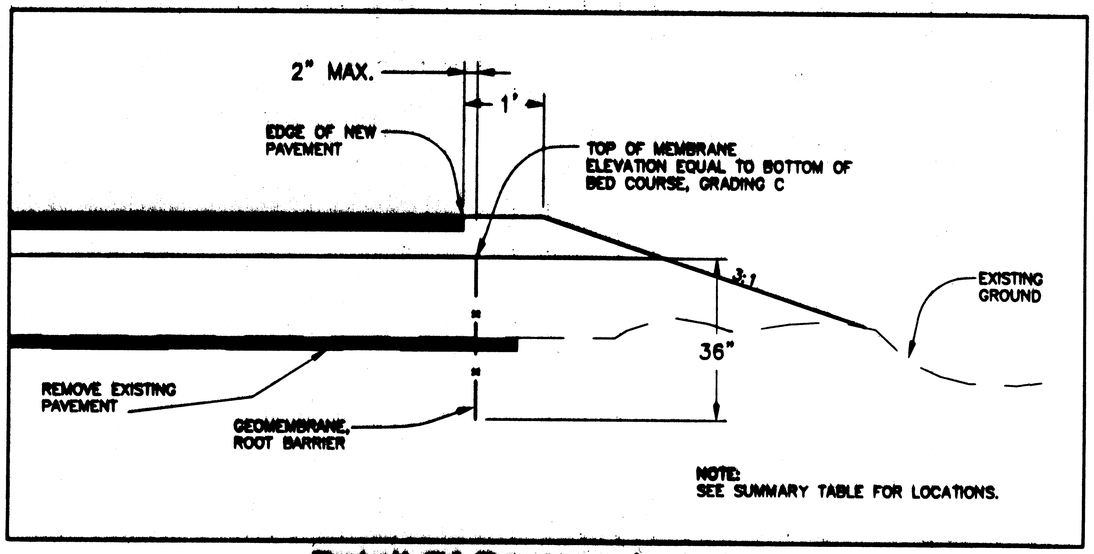

Detail Of Geomembrane Root Barrier

Root Barrier Summary

STATION	LEFT PATH	RIGHT PATH	LENGTH OF BARRIER
"E" 68+25 to "E" 68+65	X		40
"E" 70+60 to "E" 71+60	X		105
"E" 77+00 to "E" 77+85	X		85
		TOTAL	~~230~~ 266

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NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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Typical Sections

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STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
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STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
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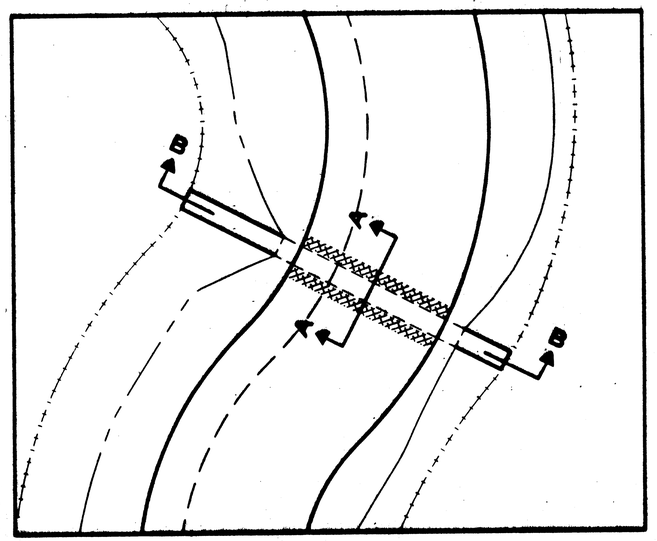
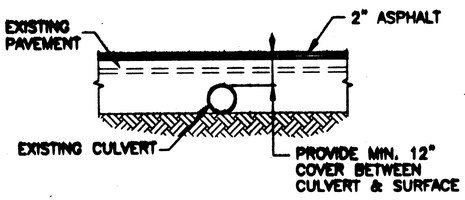
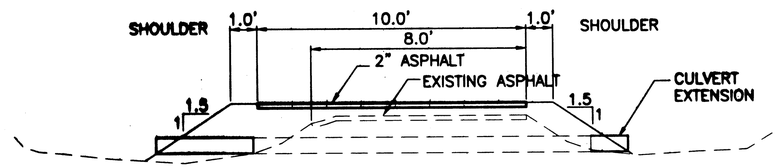
C4	15



PLAN VIEW



SECTION A-A

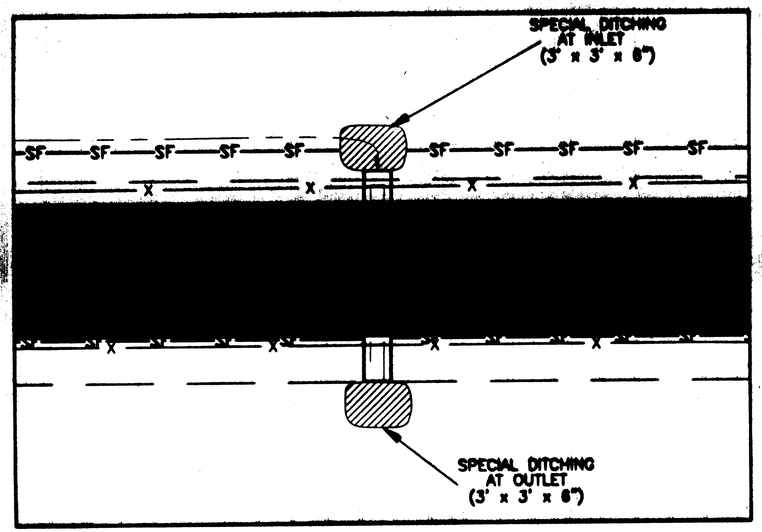


SECTION B-B

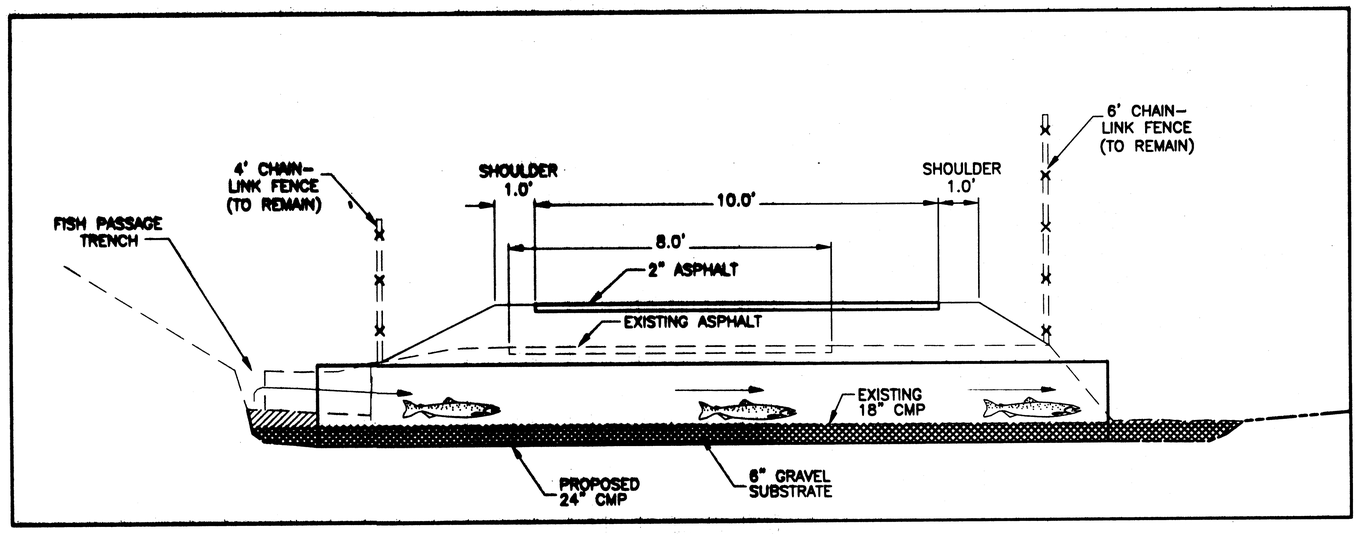
NOTES:

1. TRANSITION PROFILE TO ACHIEVE MINIMUM COVER OVER CULVERT, AS REQUIRED. DO NOT EXCEED 5% GRADE.

CULVERT EXTENSION/ REPLACEMENT DETAILS



PLAN VIEW



SECTION VIEW

FISH PASSAGE CULVERT DETAILS

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MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Miscellaneous Details

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Miscellaneous Details

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
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ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
D1	15

PROJECT 68314 -
BEGIN RIGHT PATH
RECONSTRUCT 31+00±

EGAN DRIVE

35+00

P.I. 38+29.58

40+00

TYPICAL SECTION #6
Raise Grade 12"

GEOTEXTILE REINFORCEMENT

TYPICAL SECTION #1
Raise Grade 12"

4FT CHAIN-LINK FENCE

34+10

35+05

40+25

SIGN

1' DEEP FISH PASSAGE TRENCH LOCATED AT TOE OF DITCH.

REFER TO DETAIL SHEET FOR FISH PASSAGE CULVERT TYPICAL SECTION & PLAN VIEW

GENERAL PLAN NOTES:

1. APPLICATION OF TYPICAL SECTIONS MAY BE VARIED AS DIRECTED.
2. SAWCUT PAVEMENT AT EDGES OF ALL INTERSECTIONS AND DRIVEWAYS AS DIRECTED. ALL SAWCUTS WILL BE CLEANED AND TACKED PRIOR TO PLACEMENT OF NEW ASPHALT.
3. CONTRACTOR SHALL STAGE CONSTRUCTION AS SPECIFIED IN SECTION 108-1.04.
4. LOCATIONS OF ALL EXISTING AND ABANDONED UTILITIES ARE NOT KNOWN. THE CONTRACTOR SHALL OBTAIN ALL UTILITY LOCATES AND PERFORM HAND WORK AS NECESSARY TO AVOID ALL UTILITY DAMAGE. SEE SPECIAL PROVISION 105 AND 107-1.16.
5. ALL COSTS FOR DAMAGING ANY UTILITY LINE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE AREA BETWEEN FRED MEYERS AND ST. PAUL'S CATHOLIC CHURCH (EGAN DRIVE RIGHT) IS SUBJECT TO FLOODING.

PROJECT 68314 -
BEGIN LEFT PATH
RECONSTRUCT 50+65±

GLACIER HIGHWAY

EGAN DRIVE

45+00

50+00

TYPICAL SECTION #1
Raise Grade 12"

PC = 48+00.85

42+40

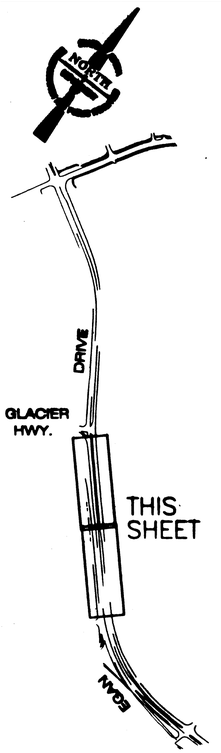
4FT CHAIN-LINK FENCE

47+65

4FT CHAIN-LINK FENCE

LEGEND

- = SILT FENCE
- = TEMPORARY CHECK DAM



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STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E1	15

Super 8

McDonalds

Jordan

JORDAN CREEK BIKE PATH BRIDGE #1587; SEE SECTION 514

4ft CHAIN-LINK FENCE

TYPICAL SECTION #1
Raise Grade 12"

EGAN DRIVE

55+00

60+00

TYPICAL SECTION #1
Raise Grade 12"

PT = 52+22.55

TYPICAL SECTION #1
Raise Grade 12"

TYPICAL SECTION #2
Raise Grade 12"

4ft CHAIN-LINK FENCE

100'

58+95

59+10

100'

Sign-Weight Restrictions

TEMPORARY CONSTRUCTION ACCESS PAD

JORDAN CREEK PEDESTRIAN BRIDGE; SEE LAYOUT SHEET AND SECTIONS 501, 504 & 515

Sign-Weight Restrictions

TEMPORARY CONSTRUCTION ACCESS PAD

Creek

Aurora Drive

Hurlock Ave.

46" SPRUCE

24" SPRUCE

RE-ALIGN PATH 10' TO RIGHT OF LARGE SPRUCE TREES, STATIONS 69+70 TO 71+80

REMOVE 24" SPRUCE & ROOTWAD WITHIN R.O.W.

TYPICAL SECTION #3
Raise Grade 12"

4ft CHAIN-LINK FENCE

68+

PC = 63+08.64

TYPICAL SECTION #1
Raise Grade 12"

65+00

EGAN DRIVE

70+00

PT = 71+74.66

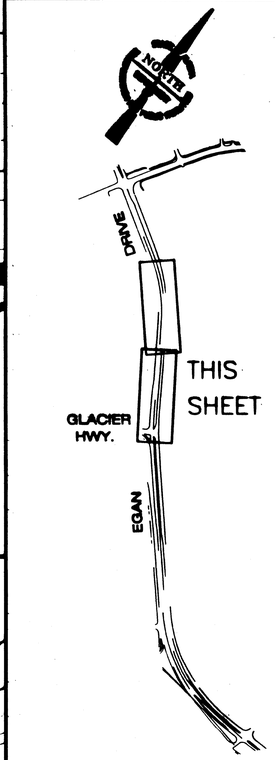
TYPICAL SECTION #2
Raise Grade 12"

TEMPORARY CONSTRUCTION ACCESS PAD

LEGEND

—#— = SILT FENCE

▮ = TEMPORARY CHECK DAM



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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E2	15

Hunlock Ave.

TYPICAL SECTION #3
Raise Grade 12"

MENDENHALL LOOP ROAD

Duck

19+00

20+00

21+00

22+00

75+00

EGAN DRIVE

80+00

PT = 71+74.66

TYPICAL SECTION #7

TYPICAL SECTION #2
Raise Grade 12"

75+02

6' CHAIN-LINK FENCE

TYPICAL SECTION #7
No Grade Raise

RECONSTRUCT HANDHOLE "M" 21+60 RT

80+18

ADJUST ELECTROLIER "M" 21+54 RT

Duck Creek

DUCK CREEK PEDESTRIAN BRIDGE; SEE LAYOUT SHEET AND SECTIONS 501, 504 & 515

23+10

MENDENHALL MALL RD.

PROJECT 68314 -
END LEFT PATH
RECONSTRUCT 31+80±

JAMES BLVD.

CONCRETE BLOCK WALL

TYPICAL SECTION #5
Raise Grade 12"

22+00

23+00

24+00

25+00

26+00

27+00

28+00

29+00

TYPICAL SECTION #4

30+00

31+00

32+00

33+

PC = 29+34.28

RECONSTRUCT HANDHOLE "M" 23+70 RT

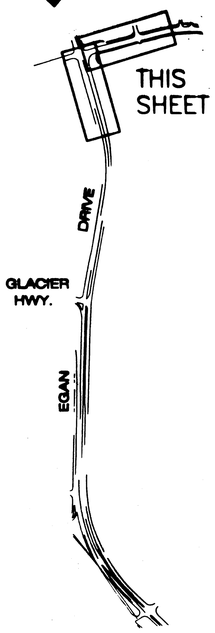
TYPICAL SECTION #5
Raise Grade 12"

ATLIN DRIVE

PROJECT 68314 -
END RIGHT PATH
RECONSTRUCT 26+60±

LEGEND

- = SILT FENCE
- = TEMPORARY CHECK DAM
- = NOT IN CONTRACT. Limits to be determined by Engineer.



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STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
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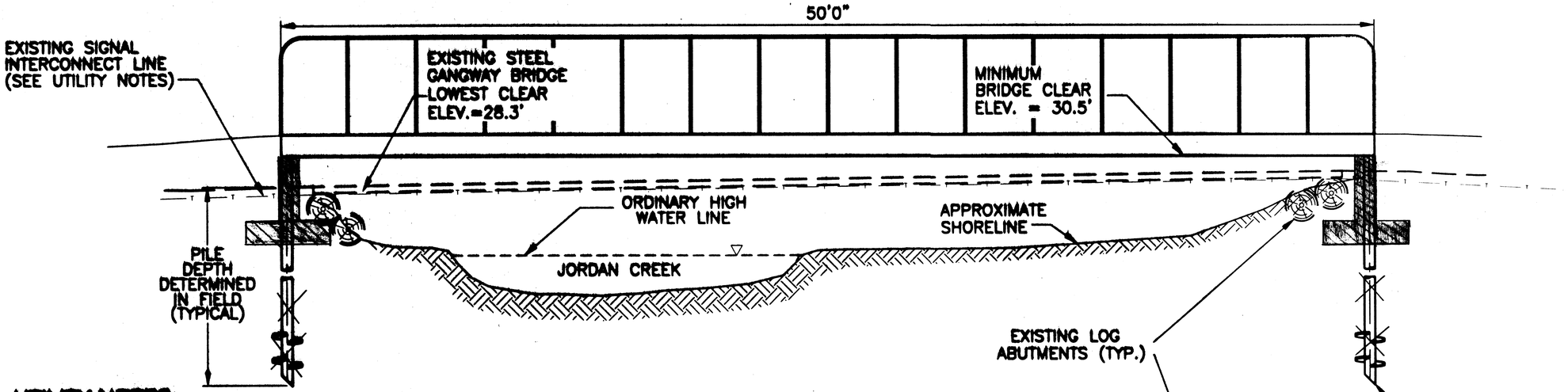
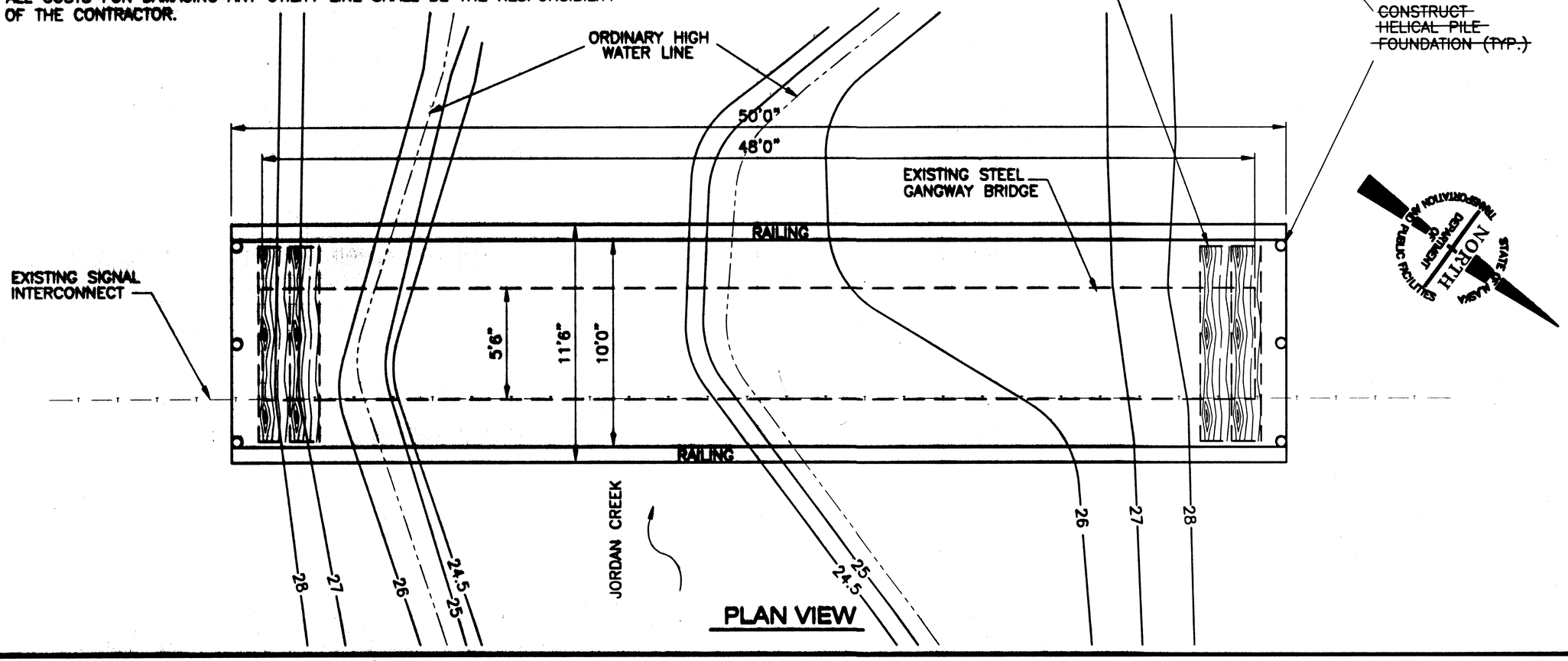
E3	15



SECTION VIEW

UTILITY NOTES:

1) SIGNAL INTERCONNECT TO REMAIN IN SERVICE DURING CONSTRUCTION.
2) REPLACE CONDUIT HANGAR ASSEMBLY WITH EQUAL OR SIMILAR.
3) ALL COSTS FOR DAMAGING ANY UTILITY LINE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



PLAN VIEW

BRIDGE NOTES:

GENERAL:

ALL BRIDGE DETAILS ARE NOT SHOWN. FINAL DESIGN OF BRIDGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALTERNATIVES TO THE GENERAL FEATURES, ORIENTATION OF MEMBERS AND MATERIALS NOTED MAY BE PROPOSED FOR APPROVAL BY THE ENGINEER. SUPPORTING DOCUMENTATION AND STRUCTURAL CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ENGINEER IN THE STATE OF ALASKA. DETAILED SHOP DRAWINGS AND CALCULATIONS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

DESIGN CRITERIA:

ALL DESIGN AND FABRICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES:

1. UNIFORM BUILDING CODE, 1997 OR LATER EDITION
2. AASHTO GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 1997
3. AISC STEEL CONSTRUCTION MANUAL (LATEST EDITION)
4. AWS D1.1 & D1.2, STRUCTURAL WELDING CODE (LATEST EDITION)
5. APPLICABLE ASTM STANDARDS

LOADS:

DEAD LOAD – ALL
LIVE LOAD – UNIFORM 85 PSF
VEHICULAR LOAD – HS-10
WIND LOAD – 90 MPH, EXPOSURE "B"

SOILS:

ALLOWABLE BEARING CAPACITY – 1500 PSF
FROST DEPTH – 3 FEET

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Tue, 28/Jan/03 01:55PM bwbennett
PLOT:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Jordan Creek Pedestrian Bridge Layout

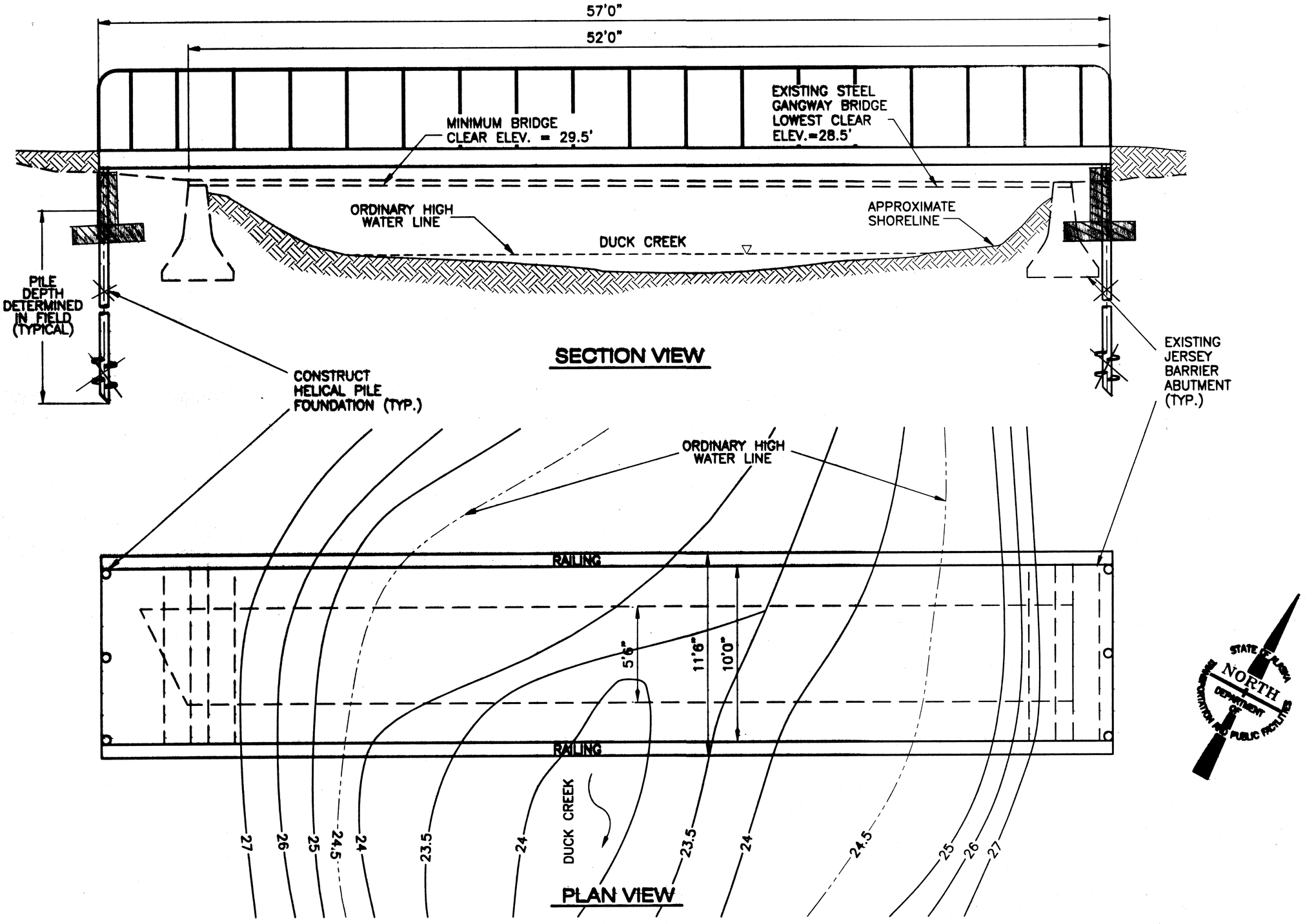
DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Jordan Creek Pedestrian Bridge Layout

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E4	15



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RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Duck Creek Pedestrian Bridge Layout

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

NORTH

CHECKED BY: VICTOR WINTERS

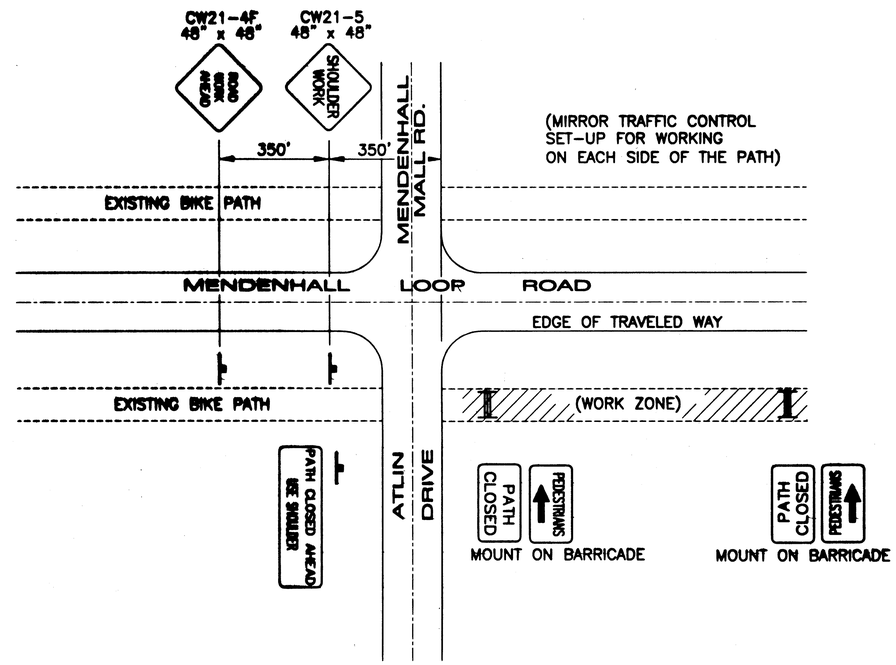
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Duck Creek Pedestrian Bridge Layout

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E5	15

TRAFFIC CONTROL NOTES

1. 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 AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. TWO WAY TRAFFIC (ON EGAN DRIVE, LOOP ROAD AND SIDE STREETS) SHALL BE MAINTAINED AT ALL TIMES.
3. TRAFFIC LANES SHALL BE A MINIMUM OF 10ft. WIDE.
4. A FLAGGER SHALL BE USED TO DIRECT TRUCKS AND CONSTRUCTION EQUIPMENT WHEN THEY ENTER OR CROSS THE TRAVELLED WAY.
5. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
6. CHANNELIZATION DEVICES WILL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL IF USED AT NIGHT.
7. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, PATH CLOSURES, AND PEDESTRIAN BRIDGE CONSTRUCTION ACTIVITIES.
8. ACCESS TO BUSINESSES AND HOMES WILL BE OPENED AT THE END OF THE DAILY WORK SHIFT.
9. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
10. THE CONTRACTOR SHALL STAGE OPERATIONS SO THAT AT LEAST ONE PAVED PATH IS OPEN FOR UNRESTRICTED USE. AT NO TIME WILL BOTH THE LEFT AND RIGHT PATH BE UNDER CONSTRUCTION AT THE SAME STATION.
11. CONSTRUCTION OF THE PATH BETWEEN THE CUL-DE-SAC AT THE BOP AND THE INTERSECTION OF EGAN DRIVE AND GLACIER HIGHWAY SHALL BE CONDUCTED IN THE EVENING HOURS OF 10pm - 6am. THE PATH SHALL BE LEFT IN A FULLY TRAVERSABLE CONDITION EACH DAY AT THE END OF OPERATIONS.
12. THE CONTRACTOR MAY NOT STAGE EQUIPMENT ANYWHERE ALONG EGAN DRIVE AND/OR WITHIN THE CLEAR ZONE (30 FEET FROM THE EDGE OF PAVEMENT).
13. ALL ROADS WITHIN THE PROJECT LIMITS SHALL REMAIN OPEN TO TRAFFIC. SHORT-TERM SINGLE LANE CLOSURES ARE ALLOWED FOR BRIDGE PLACEMENT AND OTHER MISC. BRIDGE WORK.



PATHWAY WORK
MENDENHALL LOOP ROAD

LEGEND

- ····· SIGN
- ····· TYPE III BARRICADE

PATHWAY WORK
EGAN DRIVE

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Traffic Control Plans

DESIGNED BY: J. OSBURN

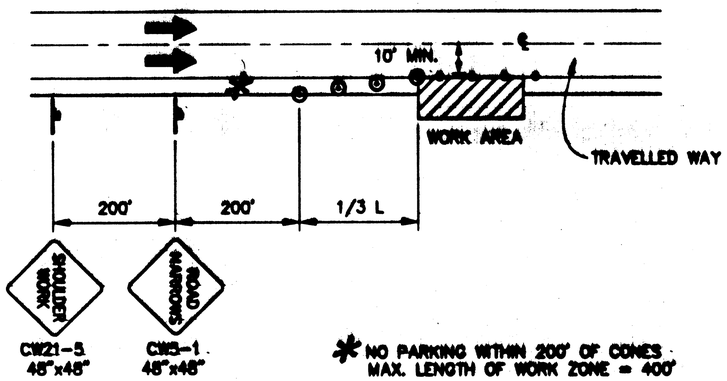
STATE OF ALASKA 49th Ken Mattson CE-10049 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: K. MATTSON
DRAWN BY: B. BENNETT

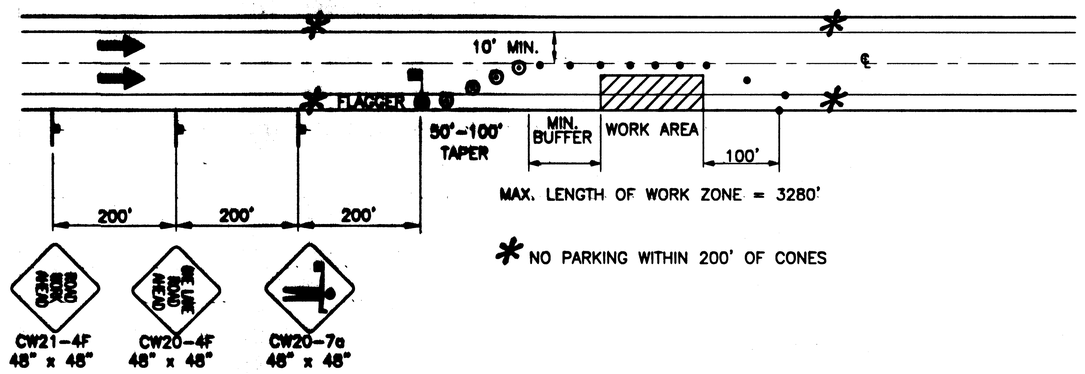
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Traffic Control Plans

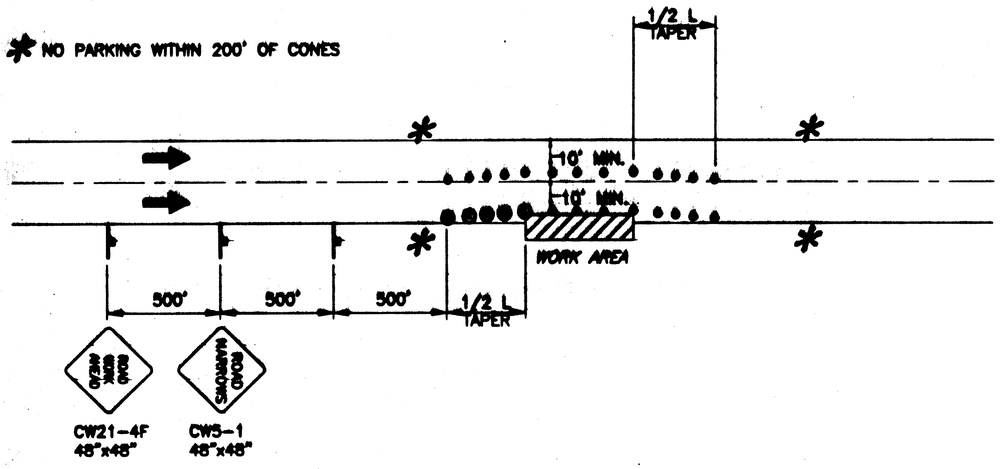
PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
J1	18



SHOULDER WORK



SINGLE LANE CLOSURE
TWO LANE ROAD



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED 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 MAY BE DELETED.

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

WHERE

L = LENGTH OF TAPER
W = WIDTH OF OFFSET
T = TAPER RATE

L = W x T

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TAB: J2_TCP

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Traffic Control Plans

DESIGNED BY: J. OSBURN

STATE OF ALASKA
49th
Ken Mattson
CE-10049

CHECKED BY: K. MATTSON

DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Traffic Control Plans

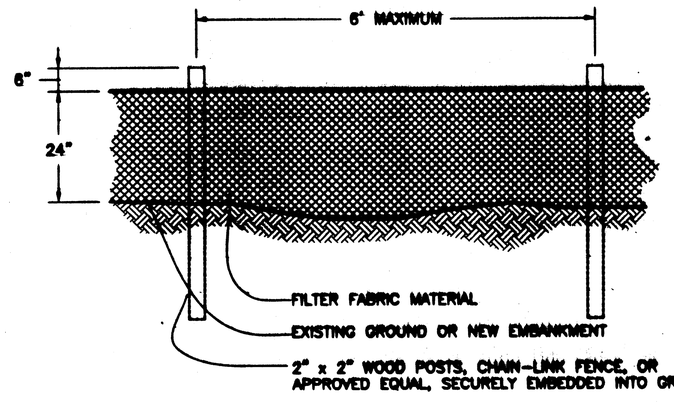
PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
J2	18

Notes:

1. THE PROJECT IS LOCATED IN BOTH THE DUCK CREEK AND JORDAN CREEK WATERSHEDS; A PORTION OF THE DRAINAGE FROM THE PROJECT WORK LIMITS DISCHARGES INTO THESE CREEKS. THEY ARE BOTH CLASSIFIED BY THE EPA AS DESIGNATED IMPAIRED WATERBODIES, LISTED UNDER SECTION 303(D) OF THE CLEAN WATER ACT. SPECIAL CONTROLS ARE REQUIRED TO RESTORE DUCK CREEK'S WATER QUALITY. THE STREAM IS THE FOCUS OF A JOINT AGENCY RECOVERY EFFORT.
2. THE FISH PASSAGE CHANNEL, EXISTING AS A TRENCH IN THE BOTTOM OF THE DITCH ALONG EGAN DR. (STA. 31+57 TO 38+88 RT), MUST NOT BE DISTURBED, EXCEPT FOR ANY CONSTRUCTION NECESSARY AT EITHER END OF THE CULVERT.
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE EARTH DISTURBING ACTIVITIES.
4. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE CHECK DAMS WHEN 4" OF SEDIMENT ACCUMULATES. ENSURE SILT FENCE IS TIGHT AGAINST GROUND.
5. IF INSPECTION REVEALS WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATLY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL SILT FENCING OR CHECK DAMS MAY BE REQUIRED. SWEEPING OF PAVED SURFACES AND TEMPORARY SEEDING AND MATTING MAY ALSO BE REQUIRED.
6. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDED AREAS HAVE ACHIEVED 70% VEGITATIVE COVER.
7. SEE SHEETS E1-E3 FOR EROSION AND SEDIMENT CONTROL PLAN (ESCP) SHEETS.



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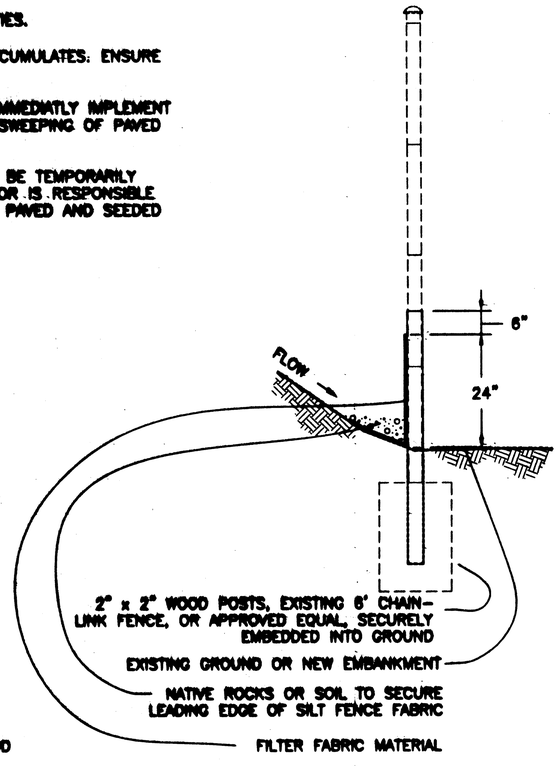

Section

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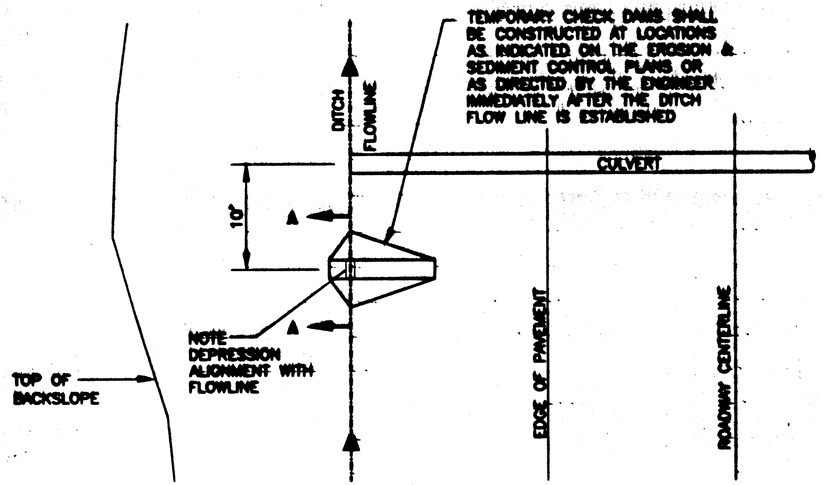
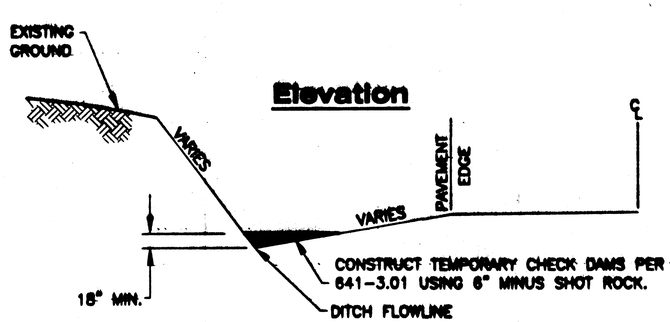
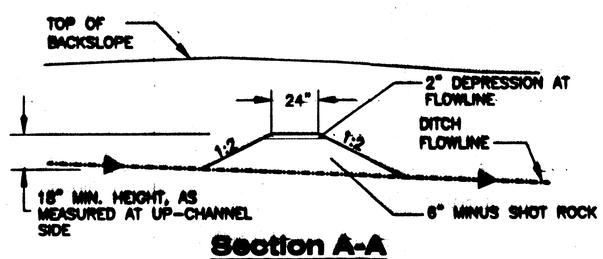


Plan



Elevation

Temporary Check Dam Details



Section A-A

Site Charactistics:

A. PHYSICAL LOCATION:

JUNEAU IS SITUATED AT THE NORTHERN END OF THE ALEXANDER ARCHIPELLAGO.
58°21'38.24" N. LATITUDE
134°34'02.14" W. LONGITUDE
HORIZONTAL DATUM: NAD-83
SECTIONS 30 & 31, TOWNSHIP 040 SOUTH, RANGE 066 EAST, COPPER RIVER MERIDIAN

B. PRECIPITATION AND HYDROLOGY INFORMATION:

JUNEAU AVERAGES 54" INCHES OF PRECIPITATION PER YEAR AND 100 INCHES OF SNOW.
ESTIMATED PRE-CONSTRUCTION RUNOFF COEFFICIENT: C=0.40
ESTIMATED POST-CONSTRUCTION RUNOFF COEFFICIENT: C=0.40
RECEIVING WATERS ARE DUCK CREEK AND JORDAN CREEK.
AREA OF PROJECT = 3.2 ACRES.

Description of Construction Activity:

A. PATH RECONSTRUCTION:

THE PLANS CALL FOR THE RECONSTRUCTION OF THE EXISTING 8-FOOT WIDE PAVED PATH. WORK ON THE NEW 10-FOOT WIDE PATH WILL BEGIN WITH CONSTRUCTION OF THE FISH PASSAGE CULVERT, UNLESS THE LOCAL AREA IS FLOODED OR WORK BEGINS OUTSIDE OF THE PERMIT WINDOWS, IN WHICH CASE WORK WILL BEGIN ON THE LEFT/RIGHT PATH AT THE END OF THE PROJECT WORKING DOWNSTATION. SOFT SOILS EXIST ON THE RIGHT PATH BETWEEN FRED MEYERS AND THE JORDAN CREEK PED. BRIDGE. A GEOTEXTILE WILL BE USED TO STABILIZE THE EXISTING GROUND PRIOR TO BORROW PLACEMENT IN THIS AREA. SELECT TREE REMOVAL AND GRUBBING ON THE LEFT PATH WILL OCCUR PRIOR TO PLACEMENT OF THE ROOT BARRIER.

B. PED. BRIDGE APPROACH CONSTRUCTION:

THE PLANS CALL FOR CONSTRUCTION OF 10 TO 15 FOOT LONG PATH APPROACHES AT BOTH ENDS OF THE PEDESTRIAN BRIDGES. THE APPROACHES LINK THE BRIDGE WITH THE MULTI-USE PATH AND TRANSITION TO MEET THE GRADE OF THE NEW PEDESTRIAN BRIDGES. THE CONTRACTOR HAS SEVERAL OPTIONS ON HOW TO BUILD THE APPROACHES, BUT ENVIRONMENTAL PERMITTING DOES NOT ALLOW THE PLACEMENT OF FILL ONTO CLASS B WETLANDS OR BELOW ORIGINAL HIGH WATER (OHW) LEVELS. ONCE THE BRIDGE FOUNDATIONS ARE COMPLETED, THE PATH APPROACHES AT BOTH ENDS CAN BE CONSTRUCTED. THE CONSTRUCTION OF AN AT-GRADE CONCRETE ABUTMENT, IN ADDITION TO THE FOUNDATION, IS RECOMMENDED AS A MEANS OF CONTAINING MATERIAL USED TO CONSTRUCT THE APPROACHES. THE REMAINING WORK WILL INVOLVE PLACEMENT OF BORROW MATERIAL TO THE LINE, GRADE AND SLOPES INDICATED ON THE CONTRACTOR-FURNISHED APPROACH PLAN SHEETS. THE PATH WILL BE FINE GRADED WITH CRUSHED AGGREGATE BASE COURSE AND A 1.5-INCH LIFT OF ASPHALT PAVEMENT. THE CONTRACTOR MAY OBTAIN ADDITIONAL PERMITTING IN ORDER TO FILL ON CLASS B WETLANDS OR BELOW O.H.W. IN THAT CASE, SOIL SLOPES WILL BE STABILIZED WITH TOP SOIL, SEEDING AND MATTING TO REDUCE EROSION.

C. PEDESTRIAN BRIDGE CONSTRUCTION:

INSTALLATION OF THE PEDESTRIAN BRIDGES WILL BEGIN ONCE THE FOUNDATIONS AND APPROACHES HAVE BEEN CONSTRUCTED. ACCESS TO THE JORDAN CREEK BRIDGE SITE MAY BE REACHED BY EGAN DRIVE, WHILE THE DUCK CREEK BRIDGE SITE MAY BE REACHED BY MENDENHALL LOOP ROAD. INSTALLATIONS SHALL OCCUR SEPARATELY AND MAY ONLY OCCUR WITHIN THE OFF-PEAK HOUR (SEE NOISE ORDINANCE PERMIT) TIME WINDOW. BRIDGES SHALL BE LOADED ON A FLAT-BED TRUCK AND TRANSPORTED TO THE SITE FROM THE CONTRACTORS' TEMPORARY STORAGE LOCATION. A CRANE OR PROPERLY LOAD-RATED BOOM TRUCK WILL MOVE THE BRIDGE FROM THE FLAT-BED TRUCK TO ITS FINAL RESTING PLACE ON THE FOUNDATION. THE CONTRACTOR IS AUTHORIZED UNDER NW3 ENVIRONMENTAL PERMIT TO PLACE MINIMAL FILL QUANTITIES IN THE CLASS B WETLANDS, BUT THERE IS NO PERMISSION TO WORK BELOW O.H.W. IN DUCK AND JORDAN CREEKS.

Silt Fence Summary

STATION FROM	STATION TO	OFF.	REMARKS
"E" 31+00	"E" 34+25	RT	BOTH SIDES OF PATH
"E" 36+25	"E" 41+65	RT	RIGHT SIDE OF PATH
"E" 57+40	"E" 59+40	LT	BOTH SIDES OF PATH
"E" 57+60	"E" 61+15	RT	BOTH SIDES OF PATH
"E" 68+60	"E" 76+60	RT	RIGHT SIDE OF PATH
"E" 75+00	"E" 76+70	LT	BOTH SIDES OF PATH
"E" 79+50	"E" 80+50	LT	RIGHT SIDE OF PATH
"E" 79+20	"M" 24+00	RT	RIGHT SIDE OF PATH
"M" 22+25	"M" 24+70	LT	BOTH SIDES OF PATH
"M" 28+60	"M" 31+80	LT	LEFT SIDE OF PATH

UPDATED 12/10/2002 9:32

PATH: Q:\Jnu\68314\Planset\P_ErosionDet.dwg
Tue, 28/Jan/03 01:56PM bwbennett
PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: P1

ADDENDUM NUMBER

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RECORD OF REVISIONS

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JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Erosion & Sediment Control Details

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

ESCP Details

PROJECT DESIGNATION NUMBER
CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
P1	15

State of Alaska

Department of Transportation and Public Facilities

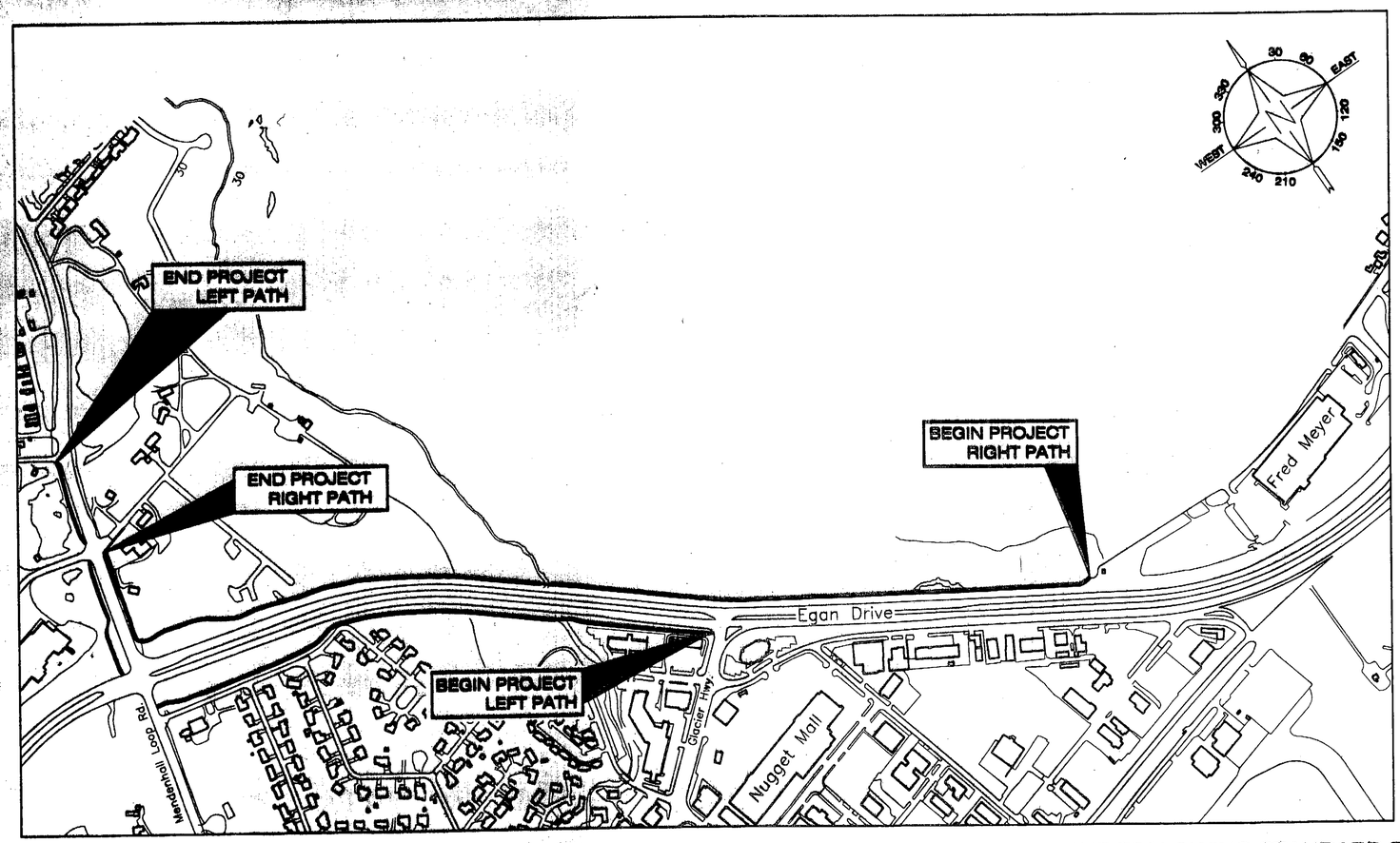
Statewide Design and Engineering Services Division

JUNEAU, ALASKA

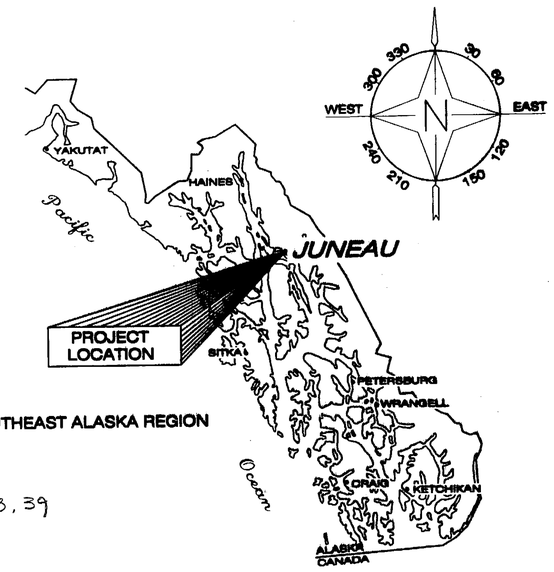
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS PHASE II

CM-0003(81) / 68314

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
B1	ESTIMATE OF QUANTITIES
C1-C4	TYPICAL SECTIONS
D1	MISCELLANEOUS DETAILS
E1-E3	PLAN SHEETS
E4-E5	PEDESTRIAN BRIDGE LAYOUT
J1-J2	TRAFFIC CONTROL PLANS
P1	EROSION & POLLUTION CONTROL DETAILS



VICINITY MAP



SOUTHEAST ALASKA REGION

As-Built Plan's

Contractor: Bicknell, Inc.
Project Engineer: Al Culbreath
Begin Date: May 27, 2003
End Date: August 21, 2003
Total Contract Amount: $616,963.39

PROJECT SUMMARY

LENGTH OF GRADING	=	1.75 miles
LENGTH OF PAVING	=	1.75 miles
WIDTH OF PAVING	=	10'
LENGTH OF PROJECT	=	1.75 miles

PATH: Q:\Jnu\68314\Planset\A_B_TitleSheet.dwg
Wed, 08/Jan/03 01:06PM jdosburn
PLOT: PSPACE OR MSPACE: 1000mm=1m(F) TAB: TSHT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

STATE OF ALASKA 49th Victor Winters Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL:
PATRICK J. KEMP
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE 1/28/03

APPROVED:
For ROBERT DOLL
DIRECTOR, SOUTHEAST REGION — DATE 1/28/03

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:
AL Culbreath — CONSTRUCTION PROJECT MANAGER — DATE 2/10/04

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-01.00 F-01.01 I-20.13 I-21.00 I-22.00

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CM-0003(81) - 68314	2003	A1	15

Estimate of Quantities

ITEM	PAY ITEM	UNIT	QTY.
201 (3B)	Clearing and Grubbing	Lump Sum	All Required
202 (1)	Removal of Structures and Obstructions	Lump Sum	All Required
203 (6)	Borrow	Ton	8337 ~~8960~~
504 (9)	Prefabricated Steel Bridge	Each	2
514 (1)	Field Preservative Treatment of Timber Structures	Lump Sum	All Required
516 (1)	Bridge Foundations	Lump Sum	All Required
603 (1-18)	18 Inch CSP	Linear Foot	194.5 ~~50~~
603 (1-24)	24 Inch CSP	Linear Foot	47 ~~60~~
607 (3)	Chain Link Fence	Foot	5138 ~~4800~~
608 (2)	Asphalt Sidewalk	Linear Foot	9520 ~~9300~~
608 (4)	Bed Course Material, Grading C	Linear Foot	9226 ~~9300~~
618 (1)	Seeding	Lump Sum	All Required
627 (10)	Adjustment Of Valve Box	Each	0 ~~4~~
630 (2)	Geotextile, Reinforcement	Square Yard	1776 ~~6260~~
634 (1)	Geomembrane, Root Barrier	Linear Foot	266 ~~230~~
640 (1)	Mobilization and Demobilization	Lump Sum	All Required
641 (1)	Erosion & Pollution Control Administration	Lump Sum	All Required
641 (2)	Erosion & Pollution Control	Contingent Sum	All Required
641 (3)	Silt Fence	Linear Foot	5046 ~~3900~~
641 (4)	Temporary Check Dam	Each	19
642 (1)	Construction Surveying	Lump Sum	All Required
643 (2)	Traffic Maintenance	Lump Sum	All Required
660 (14)	Reconstruct Handhole	Each	2 ~~4~~
660 (15)	Signal Interconnect, 6-pair Telephone Cable, 18-Guage	Lump Sum	All Required
660 (16)	Adjust Electrolier	Each	1 ~~4~~

UPDATED 1/27/2003 15:45

608 (5a)	Shoulder Material, Grading "C", CO 1	TON	236.26
614 (6)	Block Retaining Wall, CO 1	LUMP SUM	ALL REQUIRED

Basis Of Estimate

ITEM	PAY ITEM	ESTIMATING FACTOR
203 (6a)	Borrow, Selected Material, Type A	1.81 ton/cy
608 (2)	Asphalt Sidewalk	117 lb/sy/in
608 (4)	Bed Course Material, Grading D-1	1.96 ton/cy

UPDATED 05/08/2002 2:22 PM

Removal of Structures and Obstructions

ITEM	ESTIMATED QTY.	UNIT
Chain Link Fence	4800	Linear Foot
Asphalt Pavement	9060	Square Yard
Steel Pedestrian Bridge	2	Each
Miscellaneous Culverts	60	Linear Foot
Manhole	1	Each

UPDATED 12/9/02 9:23 AM

Electrolier Adjustment Summary

STATION	LEFT PATH	RIGHT PATH
"M" 23+50		X
"M" 24+40		X
"M" 29+90	X	
"M" 31+50	X	

UPDATED 12/09/2002 9:34 AM

Pipe Summary

STATION	LEFT PATH	RIGHT PATH	DIAMETER	ACTION
"E" 34+10		X	24"	REPLACE
"E" 49+65		X	24"	REPLACE
"E" 75+04		X	18"	EXTEND
"E" 75+85	X		18"	EXTEND
"M" 21+75		X	18"	EXTEND

UPDATED 12/09/2002 9:17 AM

Slope-Widening Summary*

SIDE OF EGAN DR.	STATION FROM	STATION TO	SLOPE DIRECTION	WIDENING DIRECTION
RT	31+00	59+65	LT	LT
LT	51+70	69+70	RT	RT
RT	59+65	79+10	RT	RT
LT	69+70	80+35	LT	LT

UPDATED 8/27/2002 17:35

Fence Re-Construction Summary

SIDE OF EGAN DR.	STATION FROM	STATION TO	REMARKS
RT	34+10	59+15	Inner Fence - Replace per Typical Section Details
LT	50+70	70+60	Inner Fence - Replace per Typical Section Details
RT	71+21	76+70	Outer Fence - Move within ROW Limits

UPDATED 8/27/2002 18:04

* **NOTE:** Refer to Typical Section Sheets for Slope-Widening Details on paths adjacent to Mendenhall Loop Road. Slope widening must occur in directions indicated to avoid filling Class B Wetlands.

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TAB: B1 Summaries

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Estimate of Quantities

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Estimate of Quantities

PROJECT DESIGNATION NUMBER
CM-0003(81) / 68314

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ALASKA	2002
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B1	15

General Typical Section Notes:

① CROSS SLOPE WILL BE 2.0%. DIRECTION OF CROSS SLOPE WILL VARY BY LOCATION AS INDICATED IN THE PLANS OR AS DIRECTED.

② SEE PLAN SHEETS FOR TYPICAL LOCATIONS.

③ GRADE RAISE AREAS WILL TAPER TO MATCH EXISTING ELEVATIONS AT INTERSECTIONS AND DRIVEWAYS. THE INTENTION OF GRADE RAISE IS TO ELIMINATE STANDING WATER FROM PAVED PATHWAY SURFACES.

④ MAXIMUM LONGITUDINAL GRADE IS 5%.

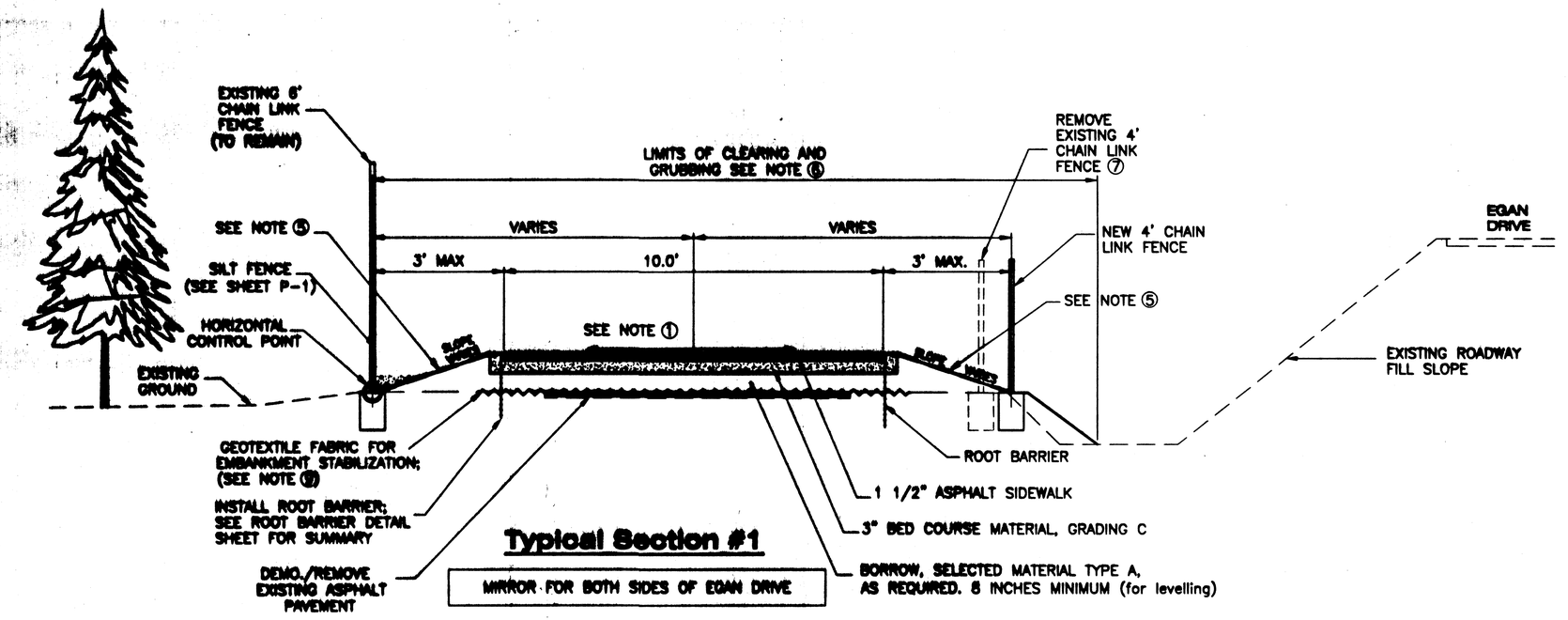
⑤ TOPSOIL AND SEED ALL NEW SLOPES AND DISTURBED AREAS. TOPSOIL SHALL BE PLACED WITH A MINIMUM DEPTH OF 2". EXISTING TOPSOIL MAY BE STRIPPED AND REUSED WHEN PRESENT. DO NOT REUSE ANY SOIL CONTAINING REED CANARY GRASS (INVASIVE PLANT) WITHOUT FOLLOWING PROCEDURE IDENTIFIED IN THE ENVIRONMENTAL COMMITMENTS. DO NOT PLACE TOPSOIL ON PATH SHOULDERS.

⑥ CLEARING AND GRUBBING ONLY AS REQUIRED OR DIRECTED WITHIN THE RIGHT OF WAY LIMITS. REMOVE AND DISPOSE OF REED CANARY GRASS. ALL TREES WITHIN THE RIGHT-OF-WAY THAT ARE DAMAGING THE EXISTING PATH WILL BE CLEARED AND GRUBBED AS DIRECTED. THIS WORK INCLUDES STUMP REMOVAL AS SPECIFIED IN SECTION 201.

⑦ REMOVE 4' CHAIN-LINK FENCE AT START OF PROJECT; REPLACE ACCORDING TO TYPICAL SECTION DETAILS. (FOR FENCE DETAILS, REFER TO STD. DWG. F-01.01)

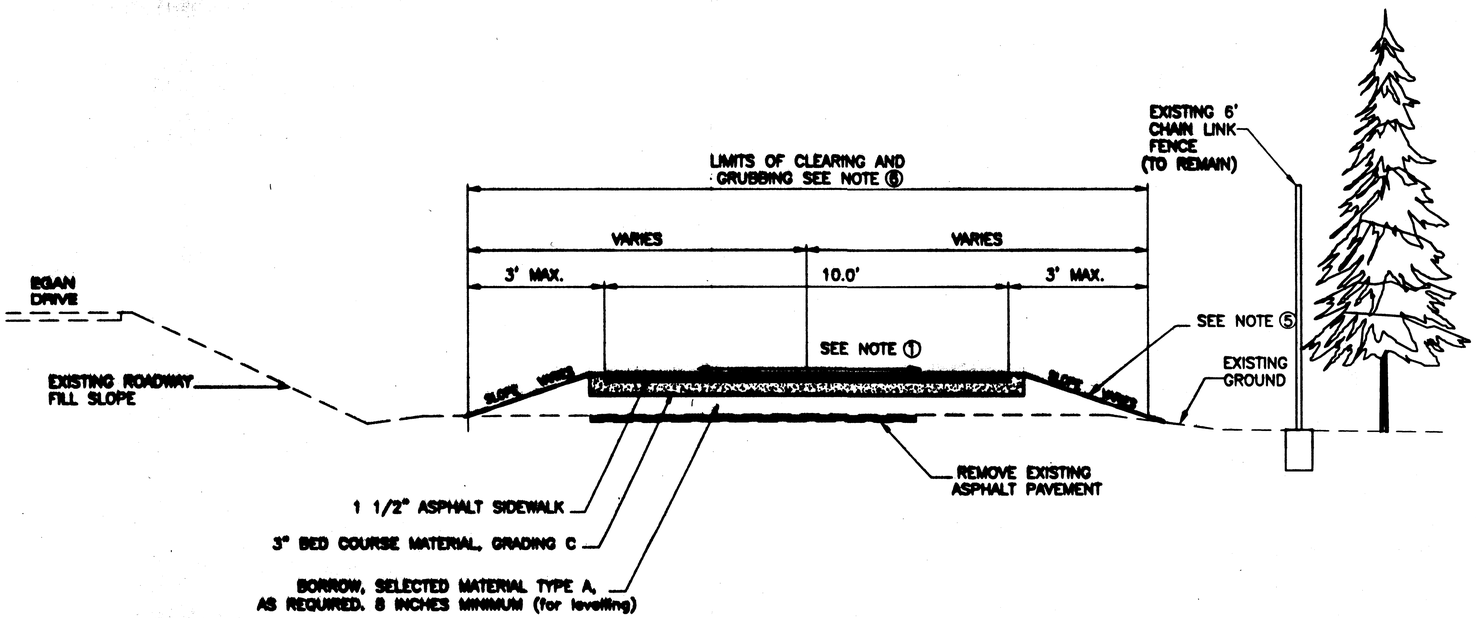
⑧ VARY WIDTH OF PATH FILL SLOPE TO FIT PHYSICAL CONSTRAINTS AS DIRECTED.

⑨ SOFT SOILS EXIST ON RIGHT PATH (FRED MEYERS TO JORDAN CREEK PED. BRIDGE). PLACE GEOTEXTILE AS DIRECTED BY ENGINEER.



Typical Section #1

MIRROR FOR BOTH SIDES OF EGAN DRIVE



Typical Section #2

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor Winters Victor M. Winters CE-8992

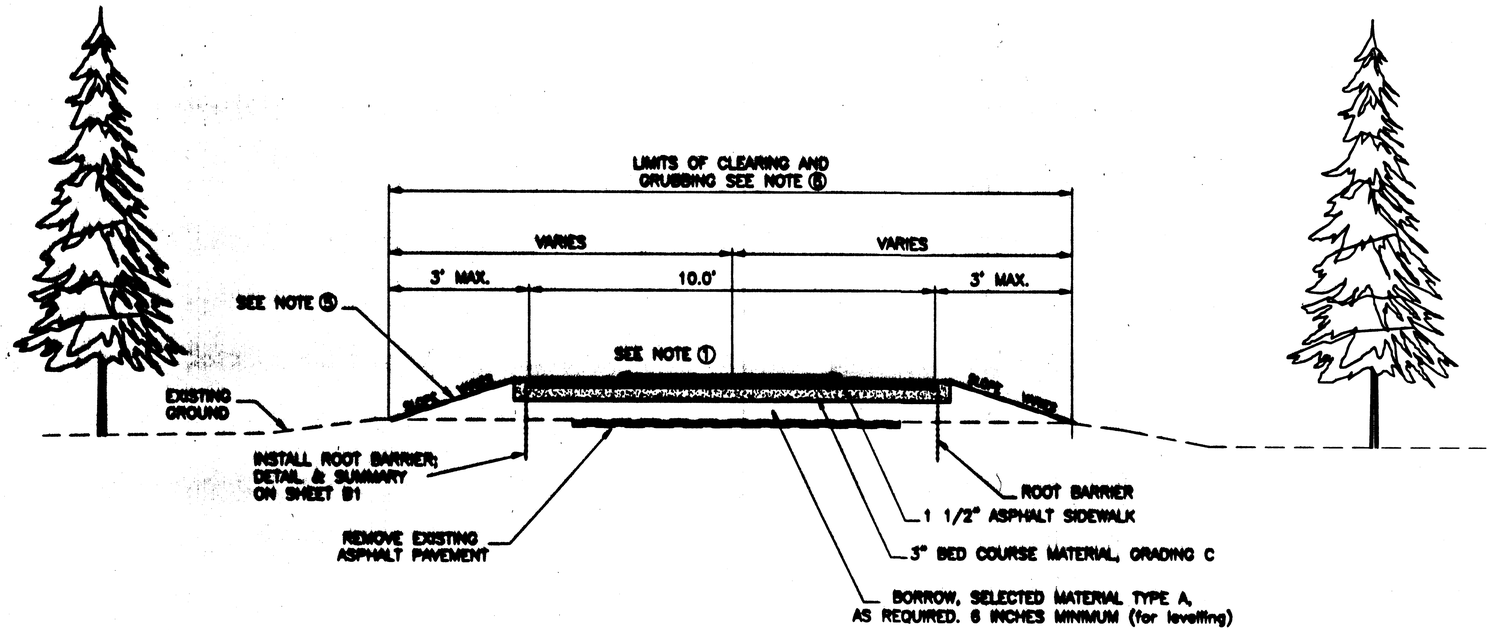
CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Typical Sections

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
C1	15



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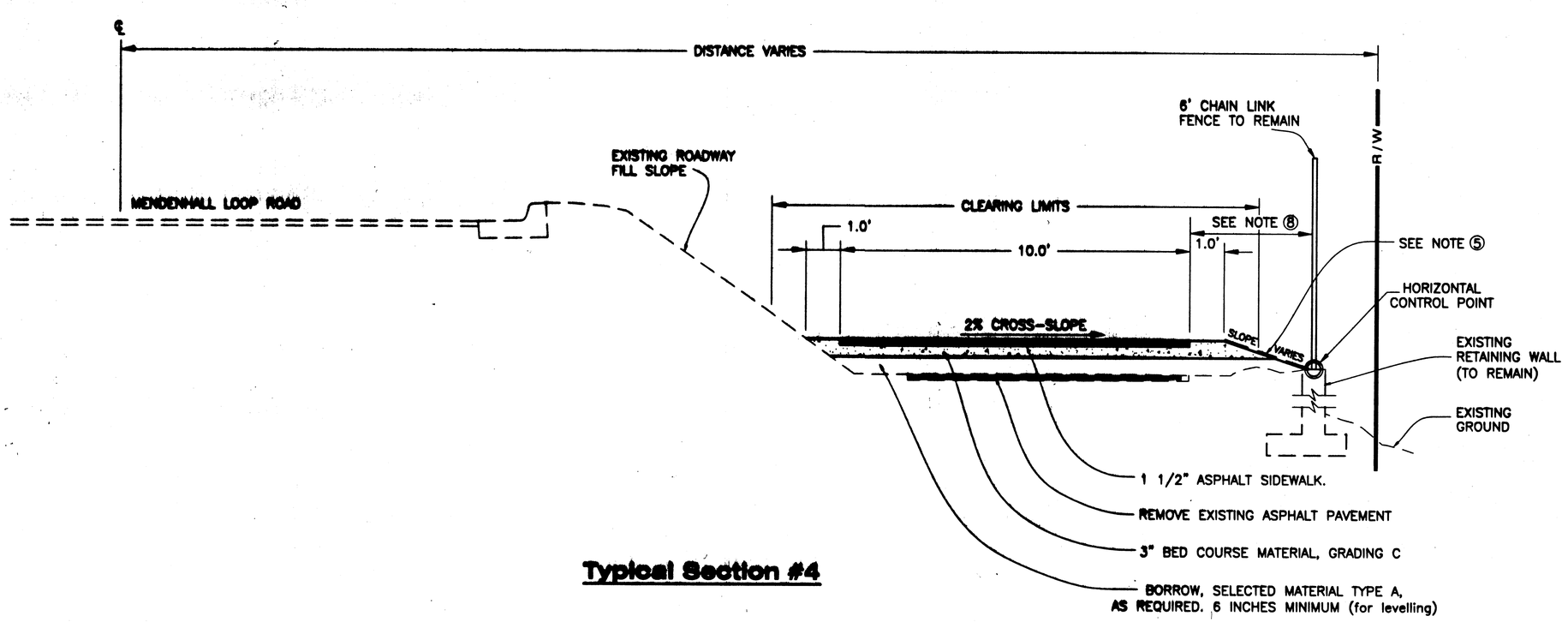

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ADDENDUM NUMBER

ATTACHMENT NUMBER

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MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA
49th
Victor M. Winters
CE-8992
PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Typical Sections

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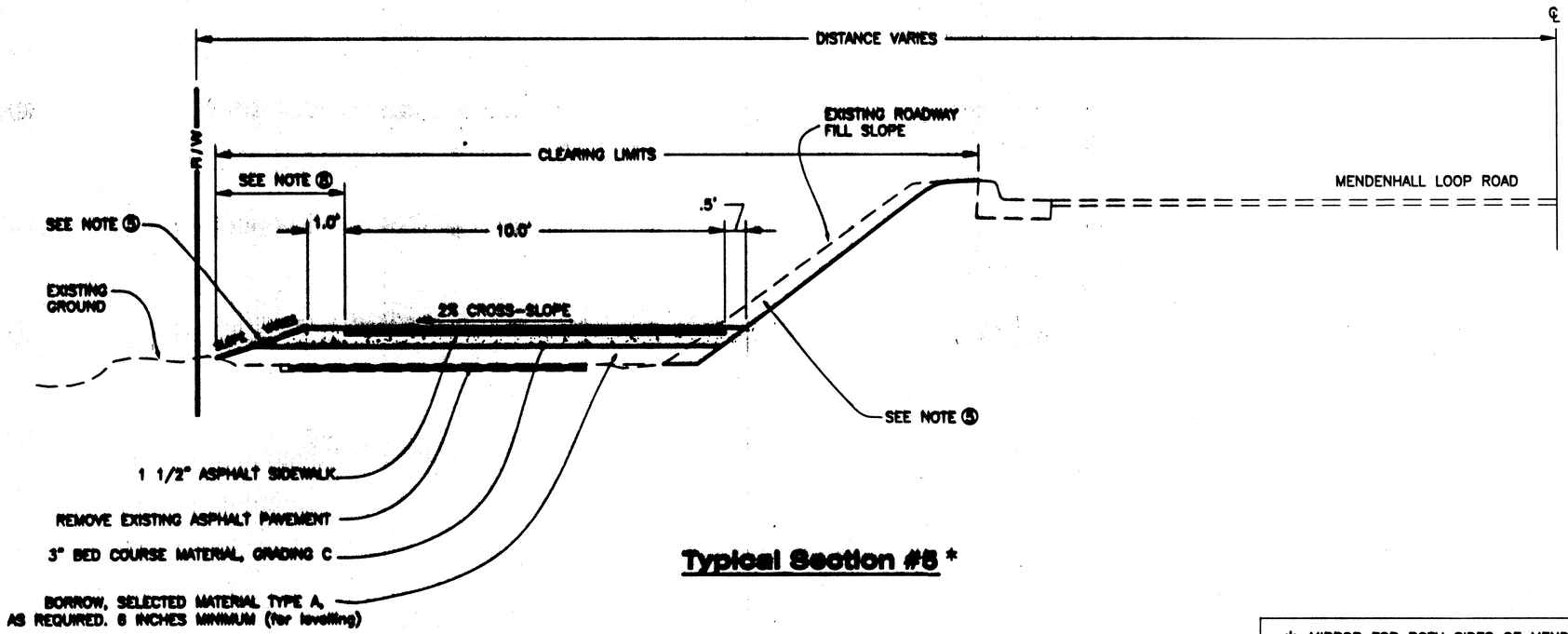
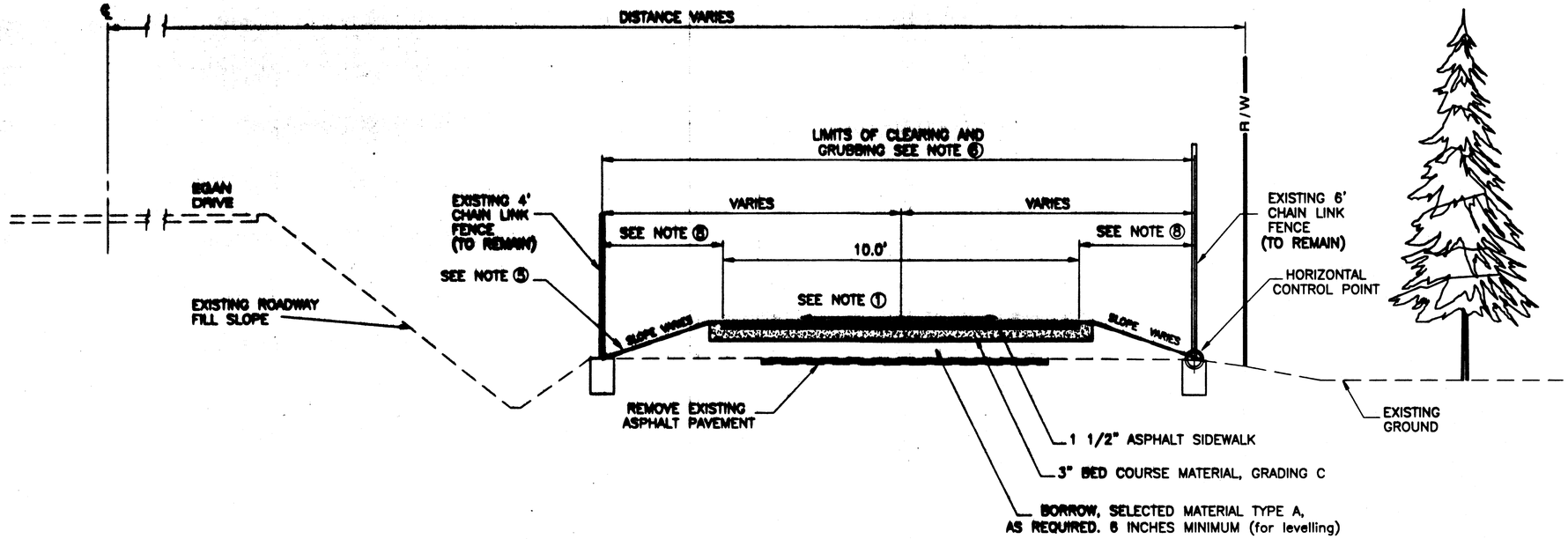
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
C2	15



Typical Section #5 *

* MIRROR FOR BOTH SIDES OF MENDENHALL LOOP ROAD



Typical Section #6

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ADDENDUM NUMBER

ATTACHMENT NUMBER

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MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

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CM-0003(81) / 68314	
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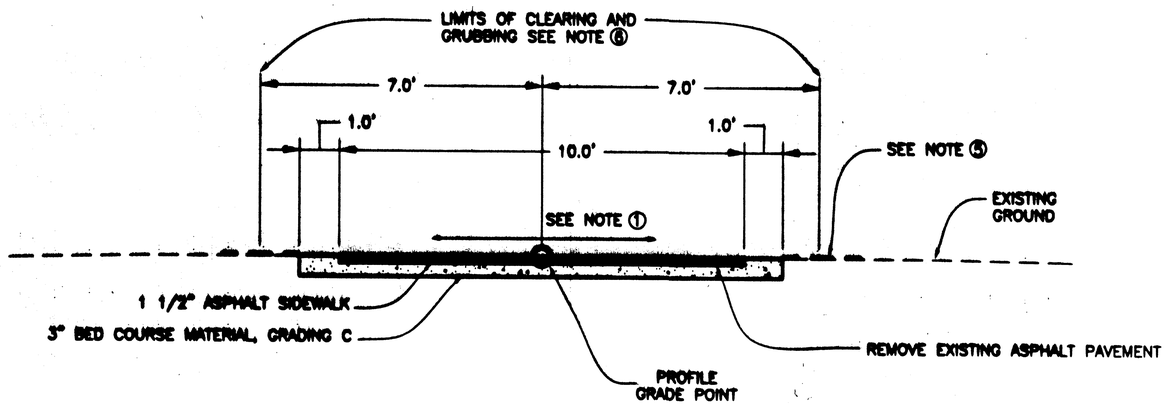
SHEET NUMBER	TOTAL SHEETS
C3	15



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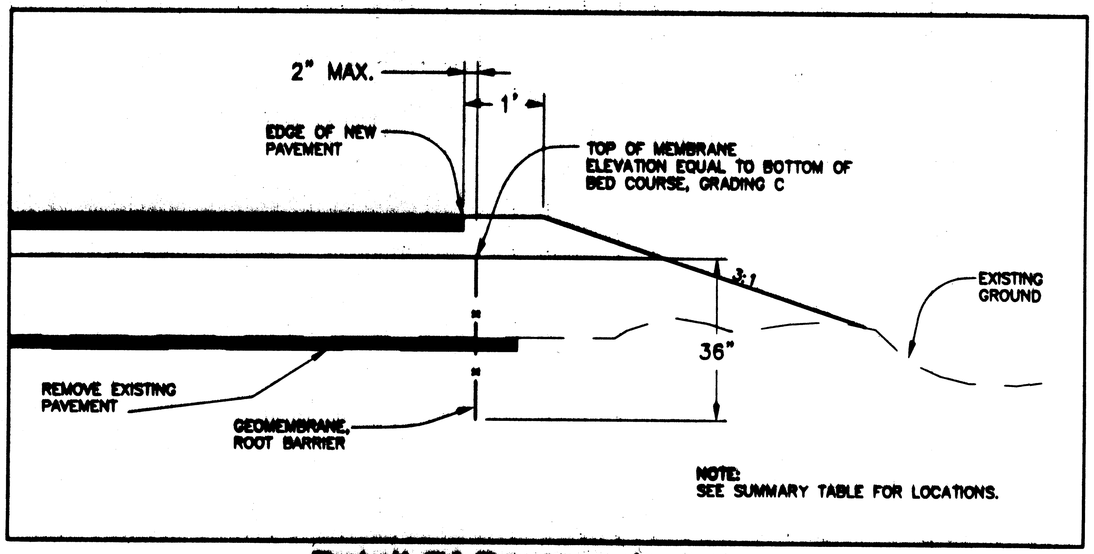

Detail Of Geomembrane Root Barrier

Root Barrier Summary

STATION	LEFT PATH	RIGHT PATH	LENGTH OF BARRIER
"E" 68+25 to "E" 68+65	X		40
"E" 70+60 to "E" 71+60	X		105
"E" 77+00 to "E" 77+85	X		85
		TOTAL	~~230~~ 266

UPDATED 06/20/2002 8:38 AM

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
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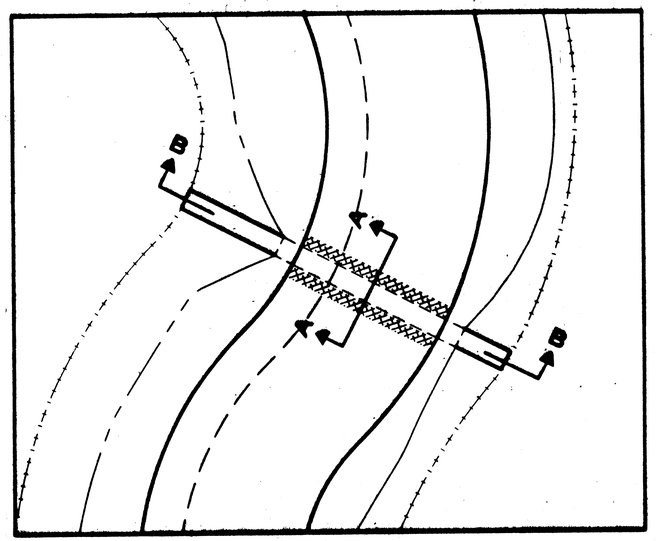
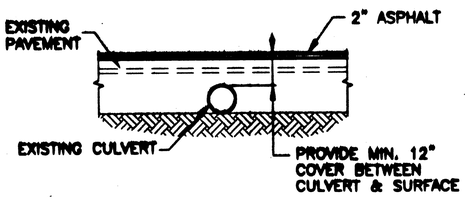
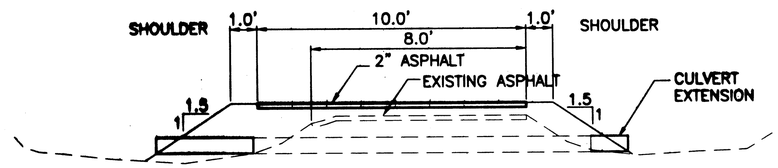


PLAN VIEW



SECTION A-A

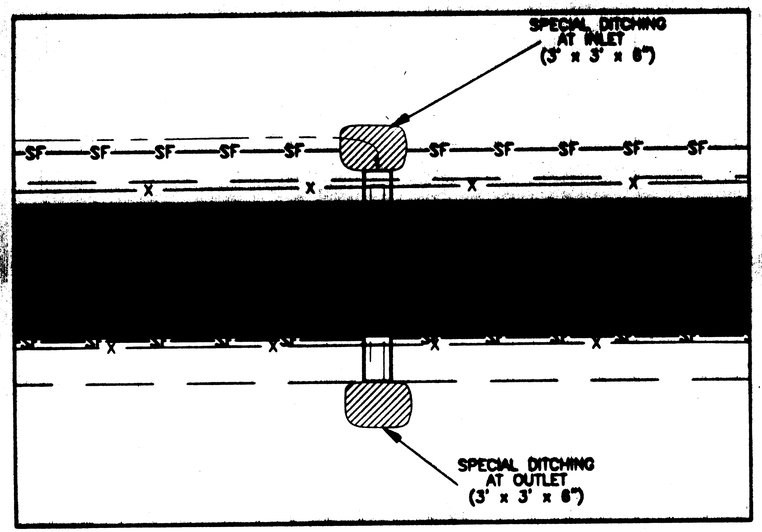


SECTION B-B

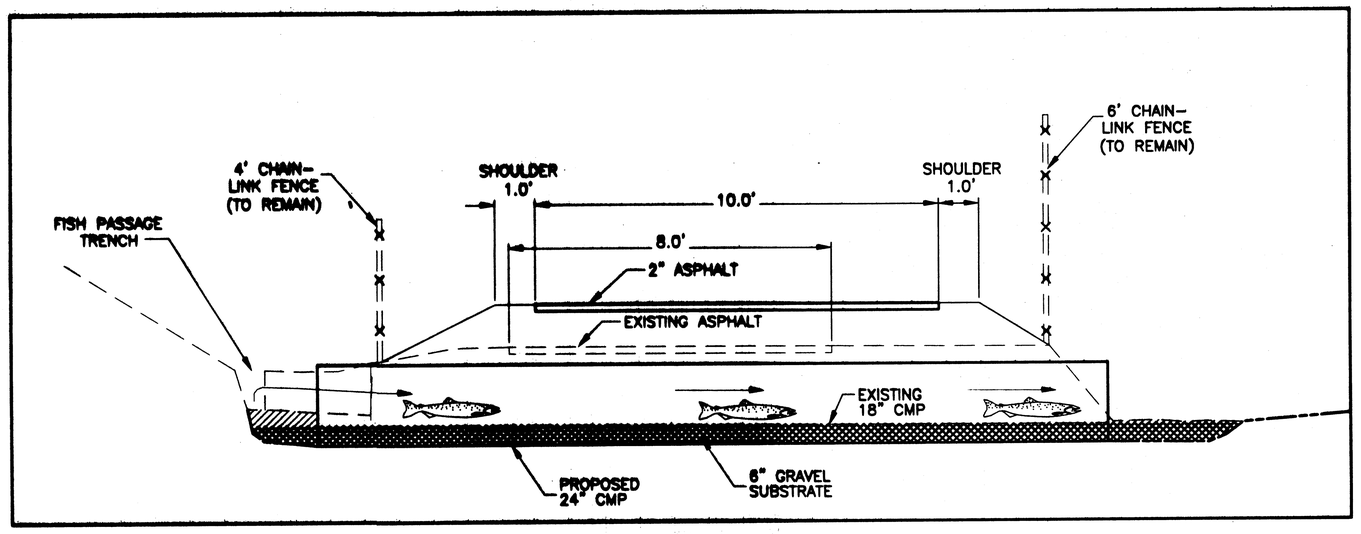
NOTES:

1. TRANSITION PROFILE TO ACHIEVE MINIMUM COVER OVER CULVERT, AS REQUIRED. DO NOT EXCEED 5% GRADE.

CULVERT EXTENSION/ REPLACEMENT DETAILS



PLAN VIEW



SECTION VIEW

FISH PASSAGE CULVERT DETAILS

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MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Miscellaneous Details

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
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Miscellaneous Details

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D1	15

PROJECT 68314 -
BEGIN RIGHT PATH
RECONSTRUCT 31+00±

EGAN DRIVE

35+00

P.I. 38+29.58

40+00

TYPICAL SECTION #6
Raise Grade 12"

GEOTEXTILE REINFORCEMENT

TYPICAL SECTION #1
Raise Grade 12"

4FT CHAIN-LINK FENCE

34+10

35+05

40+25

SIGN

1' DEEP FISH PASSAGE TRENCH LOCATED AT TOE OF DITCH.

REFER TO DETAIL SHEET FOR FISH PASSAGE CULVERT TYPICAL SECTION & PLAN VIEW

GENERAL PLAN NOTES:

1. APPLICATION OF TYPICAL SECTIONS MAY BE VARIED AS DIRECTED.
2. SAWCUT PAVEMENT AT EDGES OF ALL INTERSECTIONS AND DRIVEWAYS AS DIRECTED. ALL SAWCUTS WILL BE CLEANED AND TACKED PRIOR TO PLACEMENT OF NEW ASPHALT.
3. CONTRACTOR SHALL STAGE CONSTRUCTION AS SPECIFIED IN SECTION 108-1.04.
4. LOCATIONS OF ALL EXISTING AND ABANDONED UTILITIES ARE NOT KNOWN. THE CONTRACTOR SHALL OBTAIN ALL UTILITY LOCATES AND PERFORM HAND WORK AS NECESSARY TO AVOID ALL UTILITY DAMAGE. SEE SPECIAL PROVISION 105 AND 107-1.16.
5. ALL COSTS FOR DAMAGING ANY UTILITY LINE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE AREA BETWEEN FRED MEYERS AND ST. PAUL'S CATHOLIC CHURCH (EGAN DRIVE RIGHT) IS SUBJECT TO FLOODING.

PROJECT 68314 -
BEGIN LEFT PATH
RECONSTRUCT 50+65±

GLACIER HIGHWAY

EGAN DRIVE

45+00

50+00

TYPICAL SECTION #1
Raise Grade 12"

PC = 48+00.85

42+40

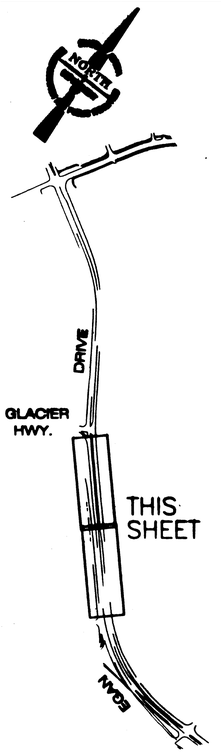
4FT CHAIN-LINK FENCE

47+65

4FT CHAIN-LINK FENCE

LEGEND

- = SILT FENCE
- = TEMPORARY CHECK DAM



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E1	15

Super 8

McDonalds

Jordan

JORDAN CREEK BIKE PATH BRIDGE #1587; SEE SECTION 514

4ft CHAIN-LINK FENCE

TYPICAL SECTION #1
Raise Grade 12"

EGAN DRIVE

55+00

60+00

TYPICAL SECTION #1
Raise Grade 12"

PT = 52+22.55

TYPICAL SECTION #1
Raise Grade 12"

TYPICAL SECTION #2
Raise Grade 12"

4ft CHAIN-LINK FENCE

100'

58+95

59+10

100'

Sign-Weight Restrictions

TEMPORARY CONSTRUCTION ACCESS PAD

JORDAN CREEK PEDESTRIAN BRIDGE; SEE LAYOUT SHEET AND SECTIONS 501, 504 & 515

Sign-Weight Restrictions

TEMPORARY CONSTRUCTION ACCESS PAD

Creek

Aurora Drive

Hurlock Ave.

46" SPRUCE

24" SPRUCE

RE-ALIGN PATH 10' TO RIGHT OF LARGE SPRUCE TREES, STATIONS 69+70 TO 71+80

REMOVE 24" SPRUCE & ROOTWAD WITHIN R.O.W.

TYPICAL SECTION #3
Raise Grade 12"

4ft CHAIN-LINK FENCE

68+

PC = 63+08.64

TYPICAL SECTION #1
Raise Grade 12"

65+00

EGAN DRIVE

70+00

PT = 71+74.66

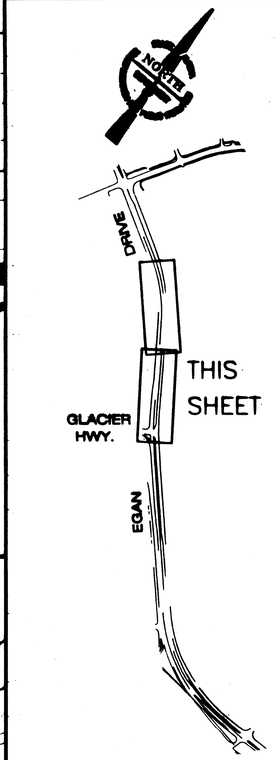
TYPICAL SECTION #2
Raise Grade 12"

TEMPORARY CONSTRUCTION ACCESS PAD

LEGEND

—#— = SILT FENCE

▮ = TEMPORARY CHECK DAM



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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E2	15

Hunlock Ave.

TYPICAL SECTION #3
Raise Grade 12"

MENDENHALL LOOP ROAD

Duck

19+00

20+00

21+00

22+00

75+00

EGAN DRIVE

80+00

PT = 71+74.66

TYPICAL SECTION #7

TYPICAL SECTION #2
Raise Grade 12"

75+02

6' CHAIN-LINK FENCE

TYPICAL SECTION #7
No Grade Raise

RECONSTRUCT HANDHOLE "M" 21+60 RT

80+18

ADJUST ELECTROLIER "M" 21+54 RT

Duck Creek

DUCK CREEK PEDESTRIAN BRIDGE; SEE LAYOUT SHEET AND SECTIONS 501, 504 & 515

23+10

MENDENHALL MALL RD.

PROJECT 68314 -
END LEFT PATH
RECONSTRUCT 31+80±

JAMES BLVD.

CONCRETE BLOCK WALL

TYPICAL SECTION #5
Raise Grade 12"

22+00

23+00

24+00

25+00

26+00

27+00

28+00

29+00

TYPICAL SECTION #4

30+00

31+00

32+00

33+

PC = 29+34.28

RECONSTRUCT HANDHOLE "M" 23+70 RT

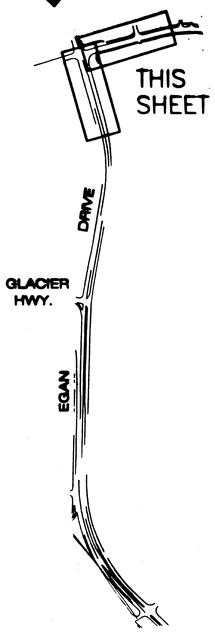
TYPICAL SECTION #5
Raise Grade 12"

ATLIN DRIVE

PROJECT 68314 -
END RIGHT PATH
RECONSTRUCT 26+60±

LEGEND

- = SILT FENCE
- = TEMPORARY CHECK DAM
- = NOT IN CONTRACT. Limits to be determined by Engineer.



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STATE OF ALASKA 49th
Victor M. Winters
CE-8992

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

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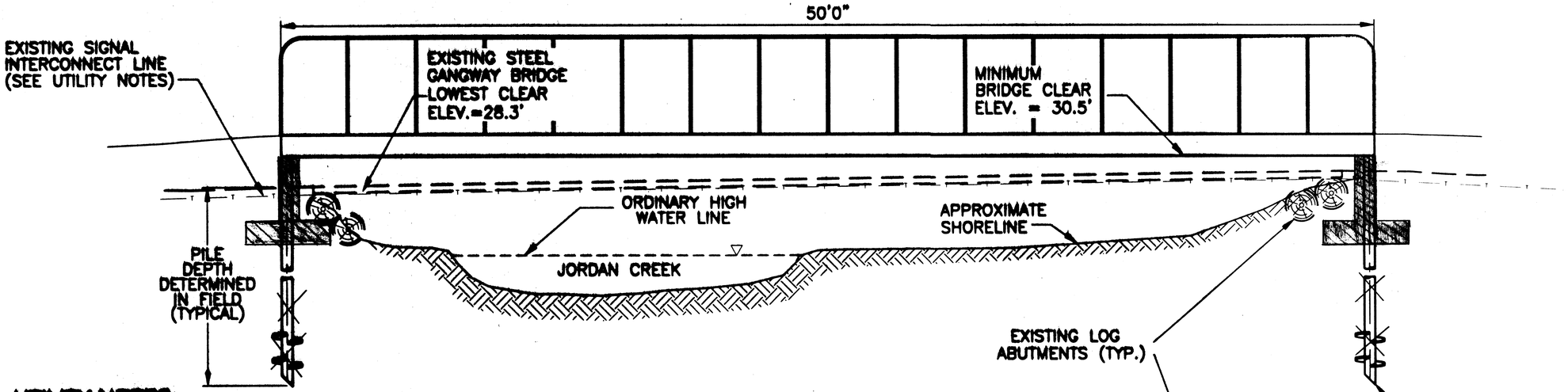
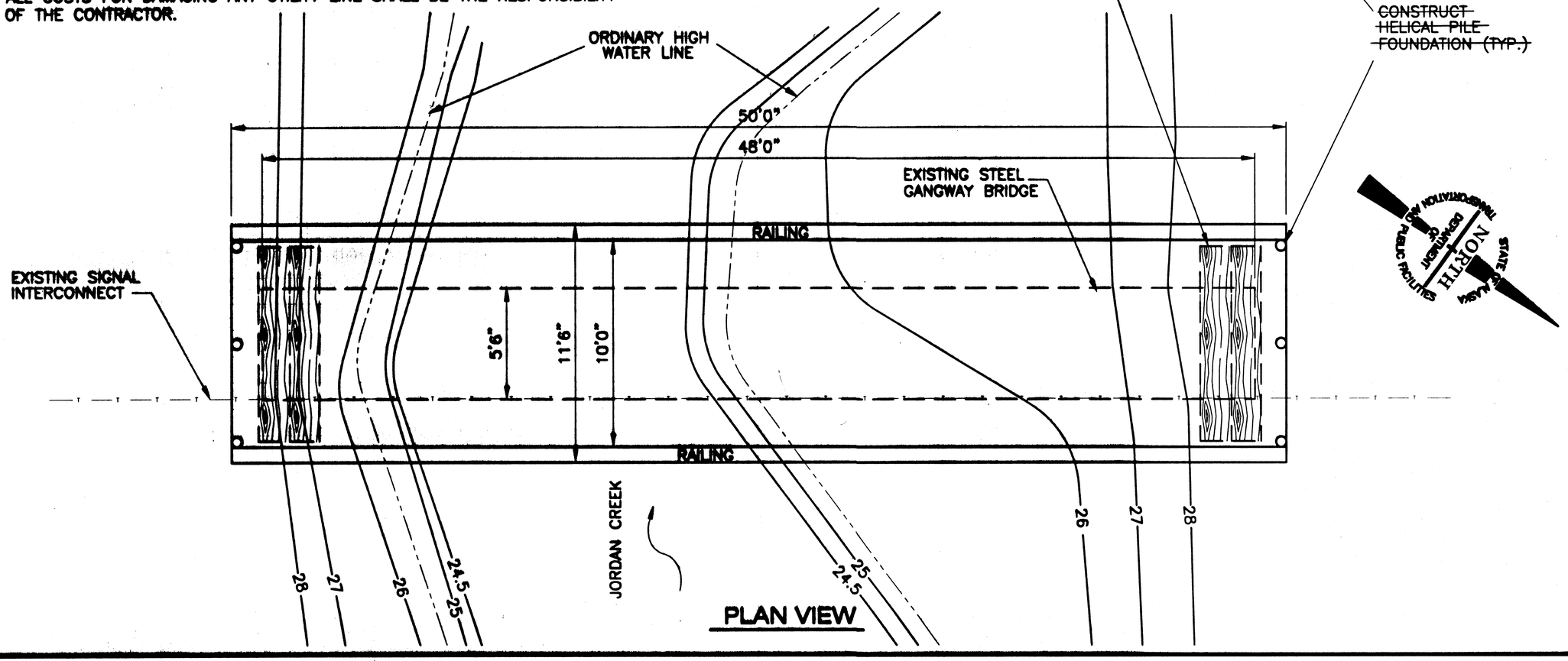
E3	15



SECTION VIEW

UTILITY NOTES:

1) SIGNAL INTERCONNECT TO REMAIN IN SERVICE DURING CONSTRUCTION.
2) REPLACE CONDUIT HANGAR ASSEMBLY WITH EQUAL OR SIMILAR.
3) ALL COSTS FOR DAMAGING ANY UTILITY LINE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



PLAN VIEW

BRIDGE NOTES:

GENERAL:

ALL BRIDGE DETAILS ARE NOT SHOWN. FINAL DESIGN OF BRIDGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALTERNATIVES TO THE GENERAL FEATURES, ORIENTATION OF MEMBERS AND MATERIALS NOTED MAY BE PROPOSED FOR APPROVAL BY THE ENGINEER. SUPPORTING DOCUMENTATION AND STRUCTURAL CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ENGINEER IN THE STATE OF ALASKA. DETAILED SHOP DRAWINGS AND CALCULATIONS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

DESIGN CRITERIA:

ALL DESIGN AND FABRICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES:

1. UNIFORM BUILDING CODE, 1997 OR LATER EDITION
2. AASHTO GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 1997
3. AISC STEEL CONSTRUCTION MANUAL (LATEST EDITION)
4. AWS D1.1 & D1.2, STRUCTURAL WELDING CODE (LATEST EDITION)
5. APPLICABLE ASTM STANDARDS

LOADS:

DEAD LOAD – ALL
LIVE LOAD – UNIFORM 85 PSF
VEHICULAR LOAD – HS-10
WIND LOAD – 90 MPH, EXPOSURE "B"

SOILS:

ALLOWABLE BEARING CAPACITY – 1500 PSF
FROST DEPTH – 3 FEET

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Jordan Creek Pedestrian Bridge Layout

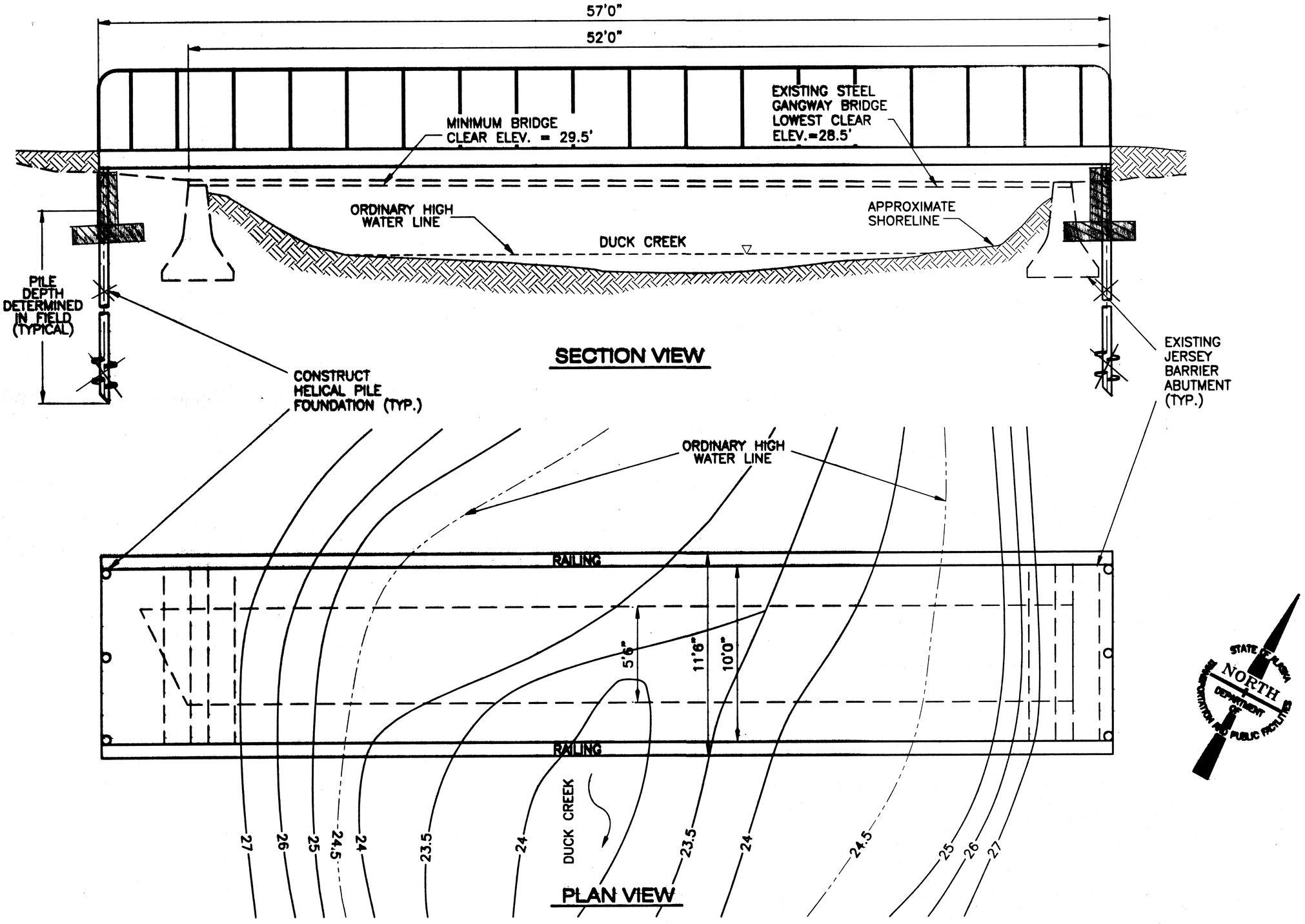
DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Jordan Creek Pedestrian Bridge Layout

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E4	15



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RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Duck Creek Pedestrian Bridge Layout

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

NORTH

CHECKED BY: VICTOR WINTERS

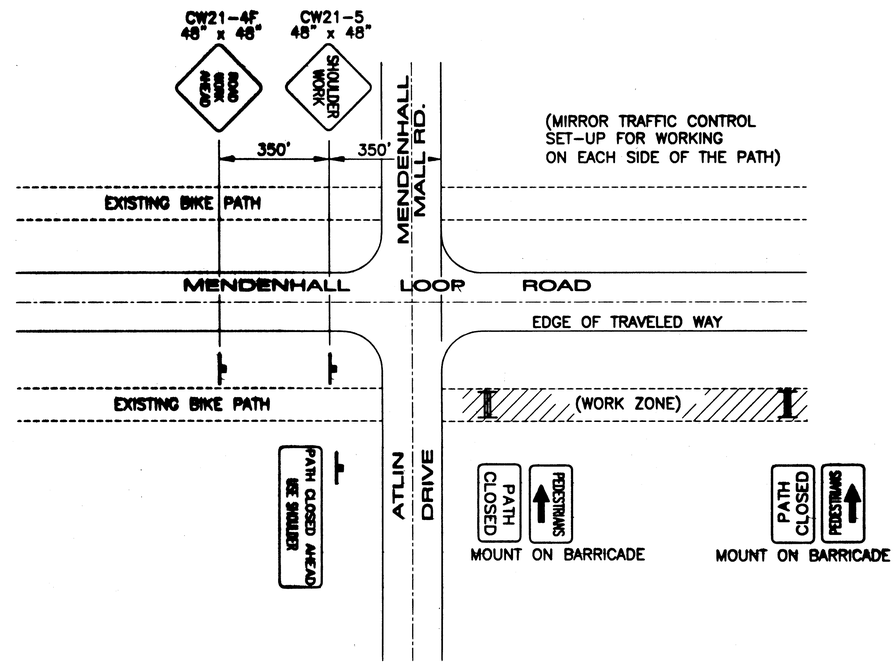
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Duck Creek Pedestrian Bridge Layout

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E5	15

TRAFFIC CONTROL NOTES

1. 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 AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. TWO WAY TRAFFIC (ON EGAN DRIVE, LOOP ROAD AND SIDE STREETS) SHALL BE MAINTAINED AT ALL TIMES.
3. TRAFFIC LANES SHALL BE A MINIMUM OF 10ft. WIDE.
4. A FLAGGER SHALL BE USED TO DIRECT TRUCKS AND CONSTRUCTION EQUIPMENT WHEN THEY ENTER OR CROSS THE TRAVELLED WAY.
5. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
6. CHANNELIZATION DEVICES WILL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL IF USED AT NIGHT.
7. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, PATH CLOSURES, AND PEDESTRIAN BRIDGE CONSTRUCTION ACTIVITIES.
8. ACCESS TO BUSINESSES AND HOMES WILL BE OPENED AT THE END OF THE DAILY WORK SHIFT.
9. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
10. THE CONTRACTOR SHALL STAGE OPERATIONS SO THAT AT LEAST ONE PAVED PATH IS OPEN FOR UNRESTRICTED USE. AT NO TIME WILL BOTH THE LEFT AND RIGHT PATH BE UNDER CONSTRUCTION AT THE SAME STATION.
11. CONSTRUCTION OF THE PATH BETWEEN THE CUL-DE-SAC AT THE BOP AND THE INTERSECTION OF EGAN DRIVE AND GLACIER HIGHWAY SHALL BE CONDUCTED IN THE EVENING HOURS OF 10pm - 6am. THE PATH SHALL BE LEFT IN A FULLY TRAVERSABLE CONDITION EACH DAY AT THE END OF OPERATIONS.
12. THE CONTRACTOR MAY NOT STAGE EQUIPMENT ANYWHERE ALONG EGAN DRIVE AND/OR WITHIN THE CLEAR ZONE (30 FEET FROM THE EDGE OF PAVEMENT).
13. ALL ROADS WITHIN THE PROJECT LIMITS SHALL REMAIN OPEN TO TRAFFIC. SHORT-TERM SINGLE LANE CLOSURES ARE ALLOWED FOR BRIDGE PLACEMENT AND OTHER MISC. BRIDGE WORK.



PATHWAY WORK
MENDENHALL LOOP ROAD

LEGEND

- ····· SIGN
- ····· TYPE III BARRICADE

PATHWAY WORK
EGAN DRIVE

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Traffic Control Plans

DESIGNED BY: J. OSBURN

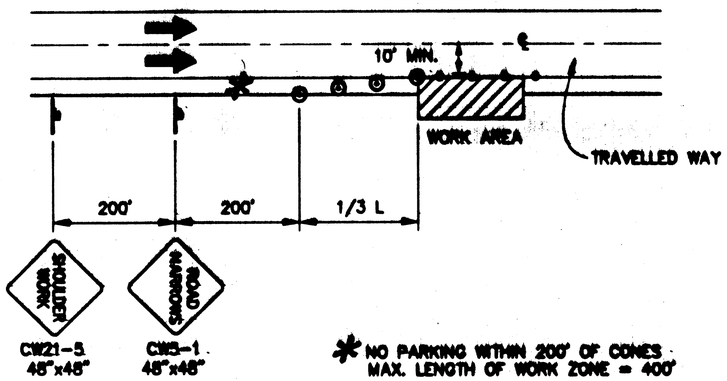
STATE OF ALASKA 49th Ken Mattson CE-10049 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: K. MATTSON
DRAWN BY: B. BENNETT

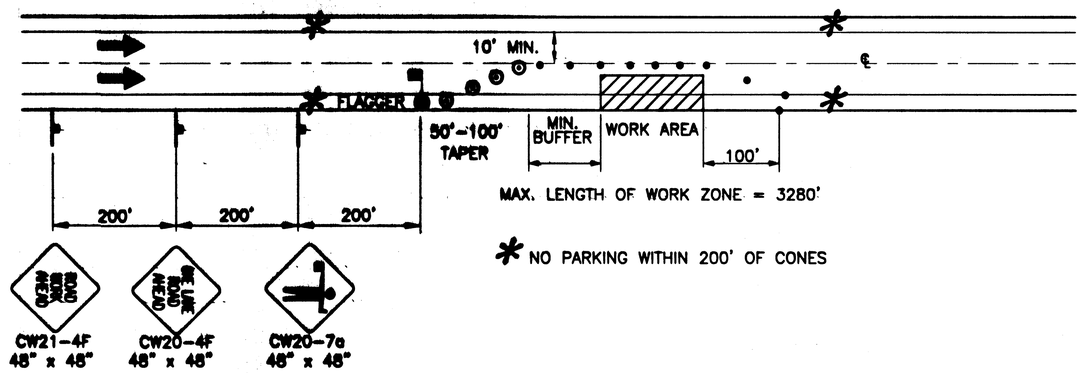
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Traffic Control Plans

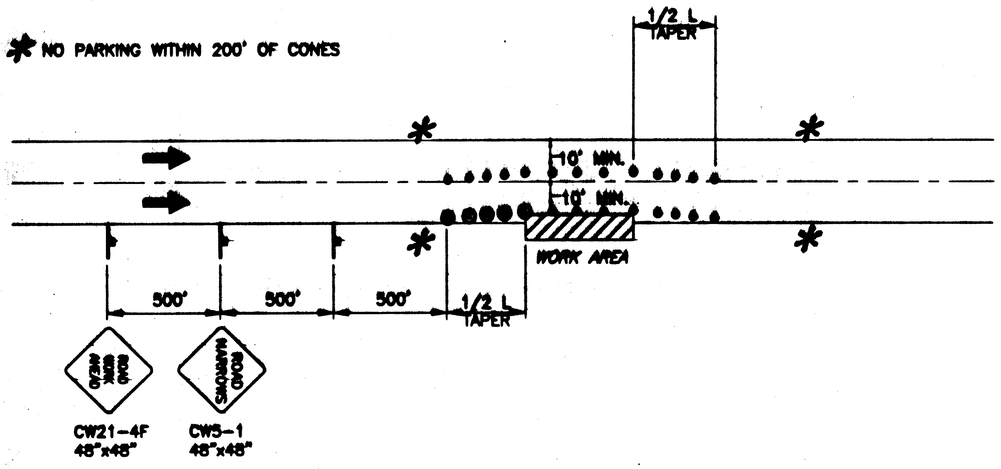
PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
J1	18



SHOULDER WORK



SINGLE LANE CLOSURE
TWO LANE ROAD



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED 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 MAY BE DELETED.

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

WHERE

L = LENGTH OF TAPER
W = WIDTH OF OFFSET
T = TAPER RATE

L = W x T

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TAB: J2_TCP

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Traffic Control Plans

DESIGNED BY: J. OSBURN

STATE OF ALASKA
49th
Ken Mattson
CE-10049

CHECKED BY: K. MATTSON

DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Traffic Control Plans

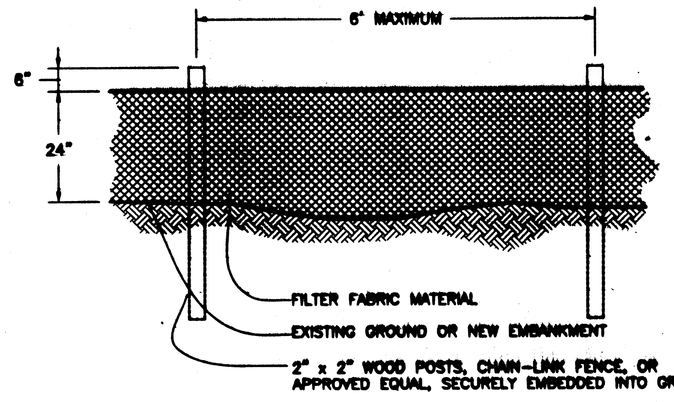
PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

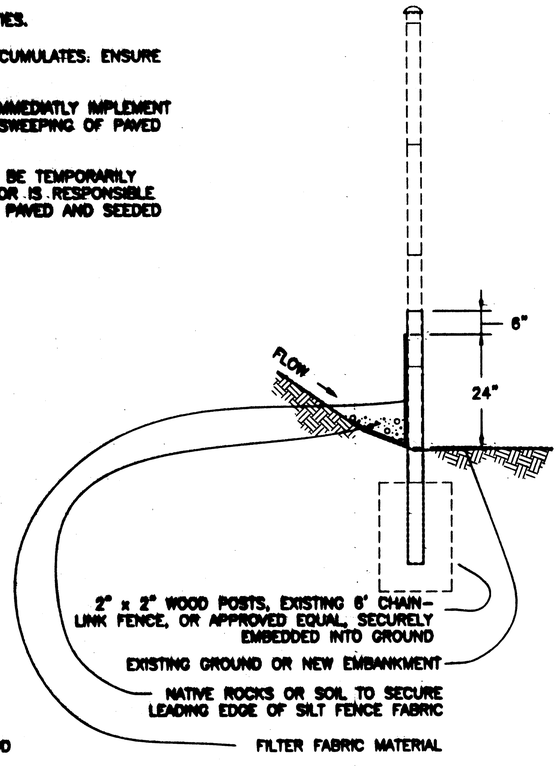
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
J2	18

Notes:

1. THE PROJECT IS LOCATED IN BOTH THE DUCK CREEK AND JORDAN CREEK WATERSHEDS; A PORTION OF THE DRAINAGE FROM THE PROJECT WORK LIMITS DISCHARGES INTO THESE CREEKS. THEY ARE BOTH CLASSIFIED BY THE EPA AS DESIGNATED IMPAIRED WATERBODIES, LISTED UNDER SECTION 303(D) OF THE CLEAN WATER ACT. SPECIAL CONTROLS ARE REQUIRED TO RESTORE DUCK CREEK'S WATER QUALITY. THE STREAM IS THE FOCUS OF A JOINT AGENCY RECOVERY EFFORT.
2. THE FISH PASSAGE CHANNEL, EXISTING AS A TRENCH IN THE BOTTOM OF THE DITCH ALONG EGAN DR. (STA. 31+57 TO 38+88 RT), MUST NOT BE DISTURBED, EXCEPT FOR ANY CONSTRUCTION NECESSARY AT EITHER END OF THE CULVERT.
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE EARTH DISTURBING ACTIVITIES.
4. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE CHECK DAMS WHEN 4" OF SEDIMENT ACCUMULATES. ENSURE SILT FENCE IS TIGHT AGAINST GROUND.
5. IF INSPECTION REVEALS WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATLY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL SILT FENCING OR CHECK DAMS MAY BE REQUIRED. SWEEPING OF PAVED SURFACES AND TEMPORARY SEEDING AND MATTING MAY ALSO BE REQUIRED.
6. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDED AREAS HAVE ACHIEVED 70% VEGITATIVE COVER.
7. SEE SHEETS E1-E3 FOR EROSION AND SEDIMENT CONTROL PLAN (ESCP) SHEETS.



Elevation



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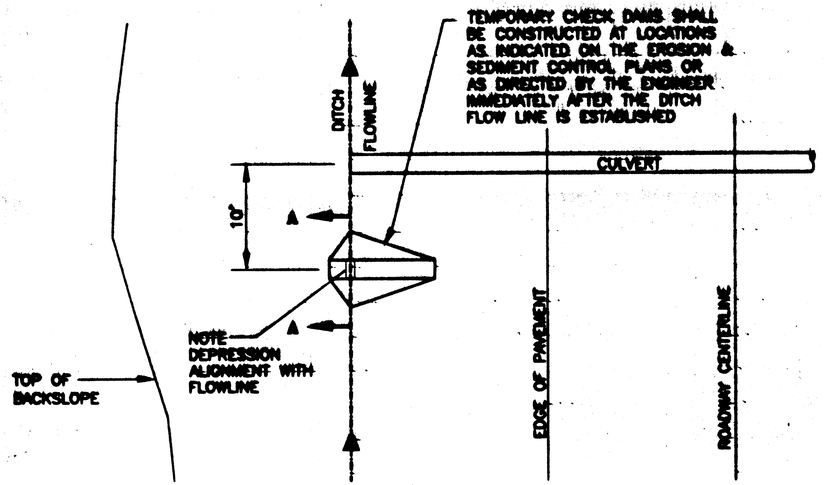
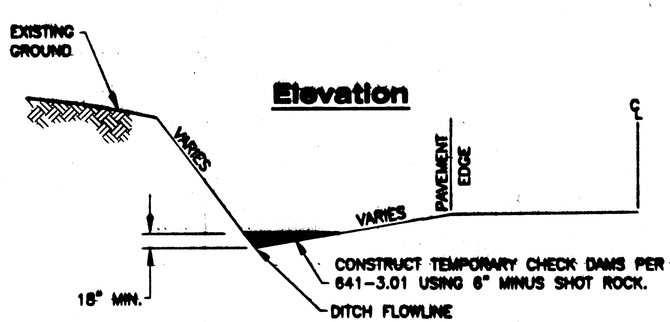
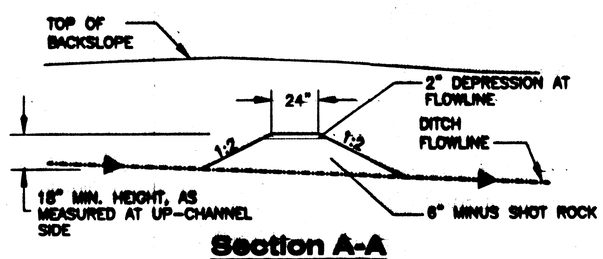


Plan



Elevation

Temporary Check Dam Details



Section A-A

Site Charactistics:

A. PHYSICAL LOCATION:

JUNEAU IS SITUATED AT THE NORTHERN END OF THE ALEXANDER ARCHIPELLAGO.
58°21'38.24" N. LATITUDE
134°34'02.14" W. LONGITUDE
HORIZONTAL DATUM: NAD-83
SECTIONS 30 & 31, TOWNSHIP 040 SOUTH, RANGE 066 EAST, COPPER RIVER MERIDIAN

B. PRECIPITATION AND HYDROLOGY INFORMATION:

JUNEAU AVERAGES 54" INCHES OF PRECIPITATION PER YEAR AND 100 INCHES OF SNOW.
ESTIMATED PRE-CONSTRUCTION RUNOFF COEFFICIENT: C=0.40
ESTIMATED POST-CONSTRUCTION RUNOFF COEFFICIENT: C=0.40
RECEIVING WATERS ARE DUCK CREEK AND JORDAN CREEK.
AREA OF PROJECT = 3.2 ACRES.

Description of Construction Activity:

A. PATH RECONSTRUCTION:

THE PLANS CALL FOR THE RECONSTRUCTION OF THE EXISTING 8-FOOT WIDE PAVED PATH. WORK ON THE NEW 10-FOOT WIDE PATH WILL BEGIN WITH CONSTRUCTION OF THE FISH PASSAGE CULVERT, UNLESS THE LOCAL AREA IS FLOODED OR WORK BEGINS OUTSIDE OF THE PERMIT WINDOWS, IN WHICH CASE WORK WILL BEGIN ON THE LEFT/RIGHT PATH AT THE END OF THE PROJECT WORKING DOWNSTATION. SOFT SOILS EXIST ON THE RIGHT PATH BETWEEN FRED MEYERS AND THE JORDAN CREEK PED. BRIDGE. A GEOTEXTILE WILL BE USED TO STABILIZE THE EXISTING GROUND PRIOR TO BORROW PLACEMENT IN THIS AREA. SELECT TREE REMOVAL AND GRUBBING ON THE LEFT PATH WILL OCCUR PRIOR TO PLACEMENT OF THE ROOT BARRIER.

B. PED. BRIDGE APPROACH CONSTRUCTION:

THE PLANS CALL FOR CONSTRUCTION OF 10 TO 15 FOOT LONG PATH APPROACHES AT BOTH ENDS OF THE PEDESTRIAN BRIDGES. THE APPROACHES LINK THE BRIDGE WITH THE MULTI-USE PATH AND TRANSITION TO MEET THE GRADE OF THE NEW PEDESTRIAN BRIDGES. THE CONTRACTOR HAS SEVERAL OPTIONS ON HOW TO BUILD THE APPROACHES, BUT ENVIRONMENTAL PERMITTING DOES NOT ALLOW THE PLACEMENT OF FILL ONTO CLASS B WETLANDS OR BELOW ORIGINAL HIGH WATER (OHW) LEVELS. ONCE THE BRIDGE FOUNDATIONS ARE COMPLETED, THE PATH APPROACHES AT BOTH ENDS CAN BE CONSTRUCTED. THE CONSTRUCTION OF AN AT-GRADE CONCRETE ABUTMENT, IN ADDITION TO THE FOUNDATION, IS RECOMMENDED AS A MEANS OF CONTAINING MATERIAL USED TO CONSTRUCT THE APPROACHES. THE REMAINING WORK WILL INVOLVE PLACEMENT OF BORROW MATERIAL TO THE LINE, GRADE AND SLOPES INDICATED ON THE CONTRACTOR-FURNISHED APPROACH PLAN SHEETS. THE PATH WILL BE FINE GRADED WITH CRUSHED AGGREGATE BASE COURSE AND A 1.5-INCH LIFT OF ASPHALT PAVEMENT. THE CONTRACTOR MAY OBTAIN ADDITIONAL PERMITTING IN ORDER TO FILL ON CLASS B WETLANDS OR BELOW O.H.W. IN THAT CASE, SOIL SLOPES WILL BE STABILIZED WITH TOP SOIL, SEEDING AND MATTING TO REDUCE EROSION.

C. PEDESTRIAN BRIDGE CONSTRUCTION:

INSTALLATION OF THE PEDESTRIAN BRIDGES WILL BEGIN ONCE THE FOUNDATIONS AND APPROACHES HAVE BEEN CONSTRUCTED. ACCESS TO THE JORDAN CREEK BRIDGE SITE MAY BE REACHED BY EGAN DRIVE, WHILE THE DUCK CREEK BRIDGE SITE MAY BE REACHED BY MENDENHALL LOOP ROAD. INSTALLATIONS SHALL OCCUR SEPARATELY AND MAY ONLY OCCUR WITHIN THE OFF-PEAK HOUR (SEE NOISE ORDINANCE PERMIT) TIME WINDOW. BRIDGES SHALL BE LOADED ON A FLAT-BED TRUCK AND TRANSPORTED TO THE SITE FROM THE CONTRACTORS' TEMPORARY STORAGE LOCATION. A CRANE OR PROPERLY LOAD-RATED BOOM TRUCK WILL MOVE THE BRIDGE FROM THE FLAT-BED TRUCK TO ITS FINAL RESTING PLACE ON THE FOUNDATION. THE CONTRACTOR IS AUTHORIZED UNDER NW3 ENVIRONMENTAL PERMIT TO PLACE MINIMAL FILL QUANTITIES IN THE CLASS B WETLANDS, BUT THERE IS NO PERMISSION TO WORK BELOW O.H.W. IN DUCK AND JORDAN CREEKS.

Silt Fence Summary

STATION FROM	STATION TO	OFF.	REMARKS
"E" 31+00	"E" 34+25	RT	BOTH SIDES OF PATH
"E" 36+25	"E" 41+65	RT	RIGHT SIDE OF PATH
"E" 57+40	"E" 59+40	LT	BOTH SIDES OF PATH
"E" 57+60	"E" 61+15	RT	BOTH SIDES OF PATH
"E" 68+60	"E" 76+60	RT	RIGHT SIDE OF PATH
"E" 75+00	"E" 76+70	LT	BOTH SIDES OF PATH
"E" 79+50	"E" 80+50	LT	RIGHT SIDE OF PATH
"E" 79+20	"M" 24+00	RT	RIGHT SIDE OF PATH
"M" 22+25	"M" 24+70	LT	BOTH SIDES OF PATH
"M" 28+60	"M" 31+80	LT	LEFT SIDE OF PATH

UPDATED 12/10/2002 9:32

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TAB: P1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Erosion & Sediment Control Details

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

ESCP Details

PROJECT DESIGNATION NUMBER
CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
P1	15

State of Alaska

Department of Transportation and Public Facilities

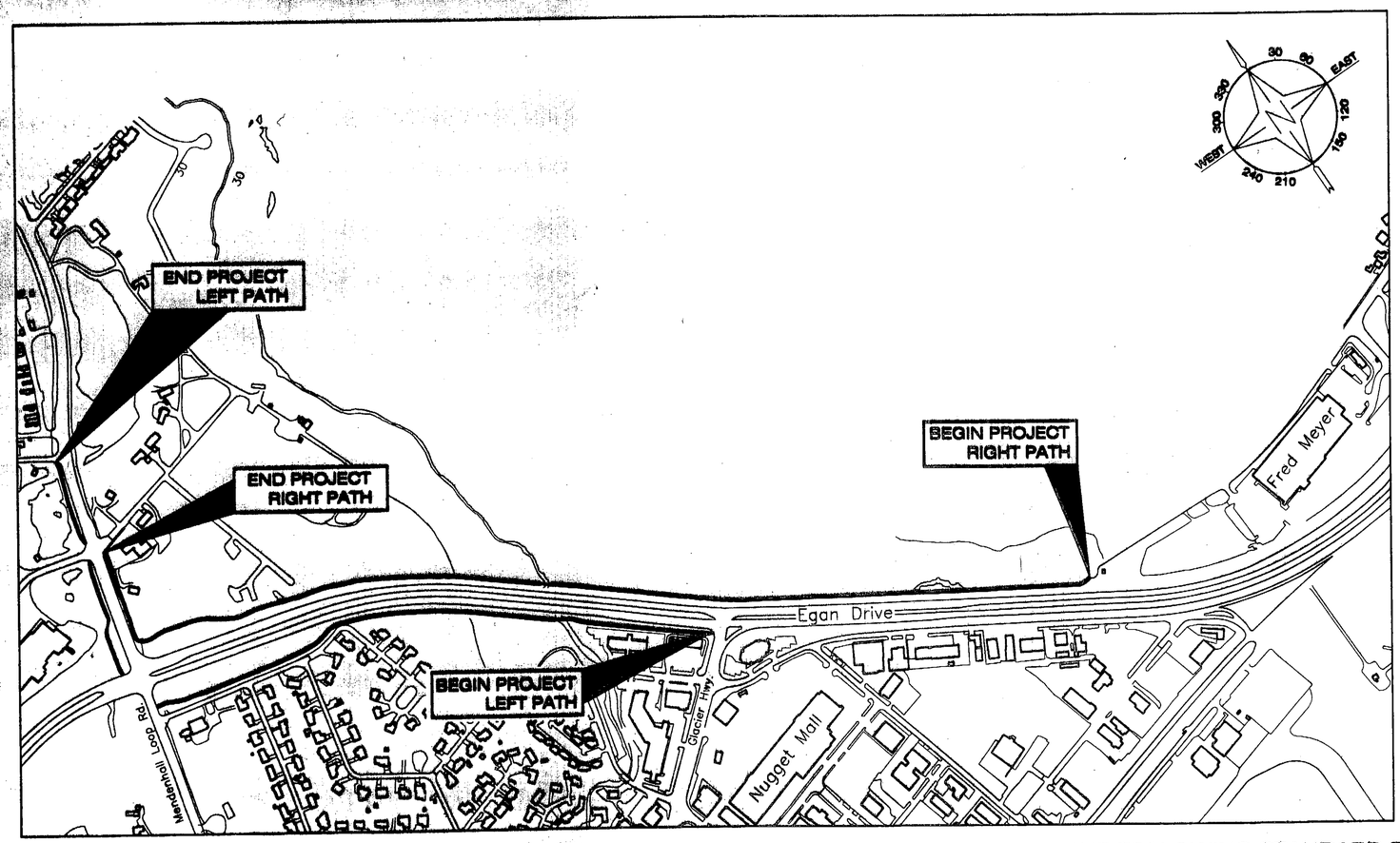
Statewide Design and Engineering Services Division

JUNEAU, ALASKA

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS PHASE II

CM-0003(81) / 68314

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
B1	ESTIMATE OF QUANTITIES
C1-C4	TYPICAL SECTIONS
D1	MISCELLANEOUS DETAILS
E1-E3	PLAN SHEETS
E4-E5	PEDESTRIAN BRIDGE LAYOUT
J1-J2	TRAFFIC CONTROL PLANS
P1	EROSION & POLLUTION CONTROL DETAILS



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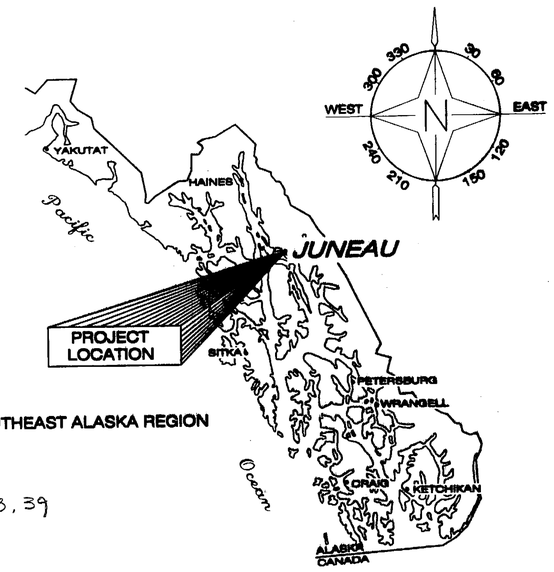

SOUTHEAST ALASKA REGION

As-Built Plan's

Contractor: Bicknell, Inc.
Project Engineer: Al Culbreath
Begin Date: May 27, 2003
End Date: August 21, 2003
Total Contract Amount: $616,963.39

PROJECT SUMMARY

LENGTH OF GRADING	=	1.75 miles
LENGTH OF PAVING	=	1.75 miles
WIDTH OF PAVING	=	10'
LENGTH OF PROJECT	=	1.75 miles

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

STATE OF ALASKA 49th Victor Winters Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL:
PATRICK J. KEMP
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE 1/28/03

APPROVED:
For ROBERT DOLL
DIRECTOR, SOUTHEAST REGION — DATE 1/28/03

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:
AL Culbreath — CONSTRUCTION PROJECT MANAGER — DATE 2/10/04

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-01.00 F-01.01 I-20.13 I-21.00 I-22.00

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CM-0003(81) - 68314	2003	A1	15

Estimate of Quantities

ITEM	PAY ITEM	UNIT	QTY.
201 (3B)	Clearing and Grubbing	Lump Sum	All Required
202 (1)	Removal of Structures and Obstructions	Lump Sum	All Required
203 (6)	Borrow	Ton	8337 ~~8960~~
504 (9)	Prefabricated Steel Bridge	Each	2
514 (1)	Field Preservative Treatment of Timber Structures	Lump Sum	All Required
516 (1)	Bridge Foundations	Lump Sum	All Required
603 (1-18)	18 Inch CSP	Linear Foot	194.5 ~~50~~
603 (1-24)	24 Inch CSP	Linear Foot	47 ~~60~~
607 (3)	Chain Link Fence	Foot	5138 ~~4800~~
608 (2)	Asphalt Sidewalk	Linear Foot	9520 ~~9300~~
608 (4)	Bed Course Material, Grading C	Linear Foot	9226 ~~9300~~
618 (1)	Seeding	Lump Sum	All Required
627 (10)	Adjustment Of Valve Box	Each	0 ~~4~~
630 (2)	Geotextile, Reinforcement	Square Yard	1776 ~~6260~~
634 (1)	Geomembrane, Root Barrier	Linear Foot	266 ~~230~~
640 (1)	Mobilization and Demobilization	Lump Sum	All Required
641 (1)	Erosion & Pollution Control Administration	Lump Sum	All Required
641 (2)	Erosion & Pollution Control	Contingent Sum	All Required
641 (3)	Silt Fence	Linear Foot	5046 ~~3900~~
641 (4)	Temporary Check Dam	Each	19
642 (1)	Construction Surveying	Lump Sum	All Required
643 (2)	Traffic Maintenance	Lump Sum	All Required
660 (14)	Reconstruct Handhole	Each	2 ~~4~~
660 (15)	Signal Interconnect, 6-pair Telephone Cable, 18-Guage	Lump Sum	All Required
660 (16)	Adjust Electrolier	Each	1 ~~4~~

UPDATED 1/27/2003 15:45

608 (5a)	Shoulder Material, Grading "C", CO 1	TON	236.26
614 (6)	Block Retaining Wall, CO 1	LUMP SUM	ALL REQUIRED

Basis Of Estimate

ITEM	PAY ITEM	ESTIMATING FACTOR
203 (6a)	Borrow, Selected Material, Type A	1.81 ton/cy
608 (2)	Asphalt Sidewalk	117 lb/sy/in
608 (4)	Bed Course Material, Grading D-1	1.96 ton/cy

UPDATED 05/08/2002 2:22 PM

Removal of Structures and Obstructions

ITEM	ESTIMATED QTY.	UNIT
Chain Link Fence	4800	Linear Foot
Asphalt Pavement	9060	Square Yard
Steel Pedestrian Bridge	2	Each
Miscellaneous Culverts	60	Linear Foot
Manhole	1	Each

UPDATED 12/9/02 9:23 AM

Electrolier Adjustment Summary

STATION	LEFT PATH	RIGHT PATH
"M" 23+50		X
"M" 24+40		X
"M" 29+90	X	
"M" 31+50	X	

UPDATED 12/09/2002 9:34 AM

Pipe Summary

STATION	LEFT PATH	RIGHT PATH	DIAMETER	ACTION
"E" 34+10		X	24"	REPLACE
"E" 49+65		X	24"	REPLACE
"E" 75+04		X	18"	EXTEND
"E" 75+85	X		18"	EXTEND
"M" 21+75		X	18"	EXTEND

UPDATED 12/09/2002 9:17 AM

Slope-Widening Summary*

SIDE OF EGAN DR.	STATION FROM	STATION TO	SLOPE DIRECTION	WIDENING DIRECTION
RT	31+00	59+65	LT	LT
LT	51+70	69+70	RT	RT
RT	59+65	79+10	RT	RT
LT	69+70	80+35	LT	LT

UPDATED 8/27/2002 17:35

Fence Re-Construction Summary

SIDE OF EGAN DR.	STATION FROM	STATION TO	REMARKS
RT	34+10	59+15	Inner Fence - Replace per Typical Section Details
LT	50+70	70+60	Inner Fence - Replace per Typical Section Details
RT	71+21	76+70	Outer Fence - Move within ROW Limits

UPDATED 8/27/2002 18:04

* **NOTE:** Refer to Typical Section Sheets for Slope-Widening Details on paths adjacent to Mendenhall Loop Road. Slope widening must occur in directions indicated to avoid filling Class B Wetlands.

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Estimate of Quantities

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Estimate of Quantities

PROJECT DESIGNATION NUMBER
CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
B1	15

General Typical Section Notes:

① CROSS SLOPE WILL BE 2.0%. DIRECTION OF CROSS SLOPE WILL VARY BY LOCATION AS INDICATED IN THE PLANS OR AS DIRECTED.

② SEE PLAN SHEETS FOR TYPICAL LOCATIONS.

③ GRADE RAISE AREAS WILL TAPER TO MATCH EXISTING ELEVATIONS AT INTERSECTIONS AND DRIVEWAYS. THE INTENTION OF GRADE RAISE IS TO ELIMINATE STANDING WATER FROM PAVED PATHWAY SURFACES.

④ MAXIMUM LONGITUDINAL GRADE IS 5%.

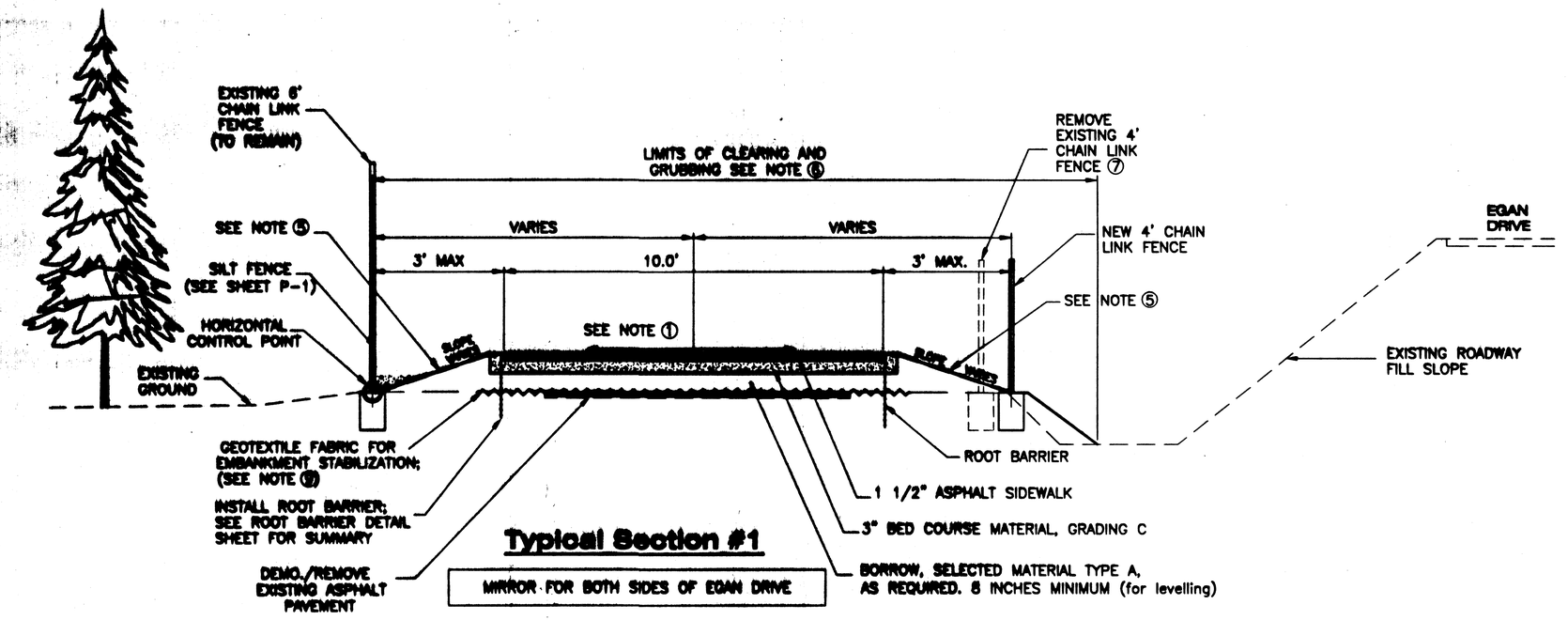
⑤ TOPSOIL AND SEED ALL NEW SLOPES AND DISTURBED AREAS. TOPSOIL SHALL BE PLACED WITH A MINIMUM DEPTH OF 2". EXISTING TOPSOIL MAY BE STRIPPED AND REUSED WHEN PRESENT. DO NOT REUSE ANY SOIL CONTAINING REED CANARY GRASS (INVASIVE PLANT) WITHOUT FOLLOWING PROCEDURE IDENTIFIED IN THE ENVIRONMENTAL COMMITMENTS. DO NOT PLACE TOPSOIL ON PATH SHOULDERS.

⑥ CLEARING AND GRUBBING ONLY AS REQUIRED OR DIRECTED WITHIN THE RIGHT OF WAY LIMITS. REMOVE AND DISPOSE OF REED CANARY GRASS. ALL TREES WITHIN THE RIGHT-OF-WAY THAT ARE DAMAGING THE EXISTING PATH WILL BE CLEARED AND GRUBBED AS DIRECTED. THIS WORK INCLUDES STUMP REMOVAL AS SPECIFIED IN SECTION 201.

⑦ REMOVE 4' CHAIN-LINK FENCE AT START OF PROJECT; REPLACE ACCORDING TO TYPICAL SECTION DETAILS. (FOR FENCE DETAILS, REFER TO STD. DWG. F-01.01)

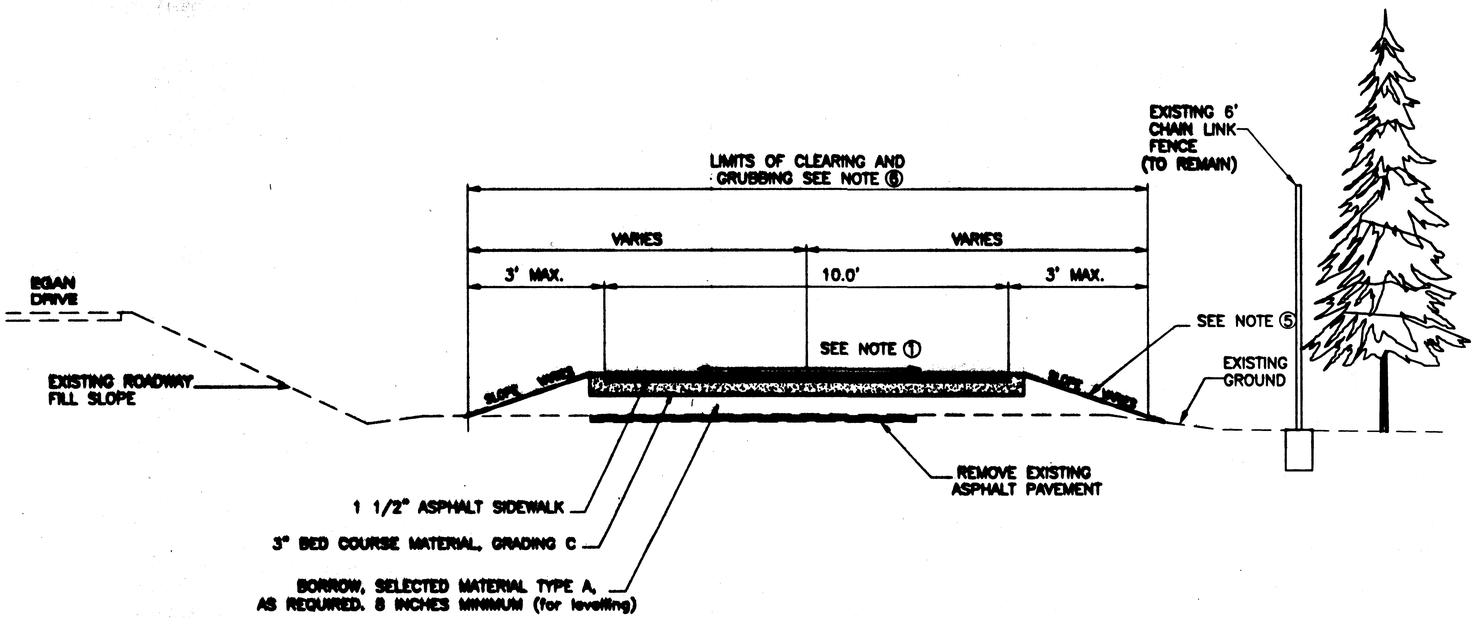
⑧ VARY WIDTH OF PATH FILL SLOPE TO FIT PHYSICAL CONSTRAINTS AS DIRECTED.

⑨ SOFT SOILS EXIST ON RIGHT PATH (FRED MEYERS TO JORDAN CREEK PED. BRIDGE). PLACE GEOTEXTILE AS DIRECTED BY ENGINEER.



Typical Section #1

MIRROR FOR BOTH SIDES OF EGAN DRIVE



Typical Section #2

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor Winters Victor M. Winters CE-8992

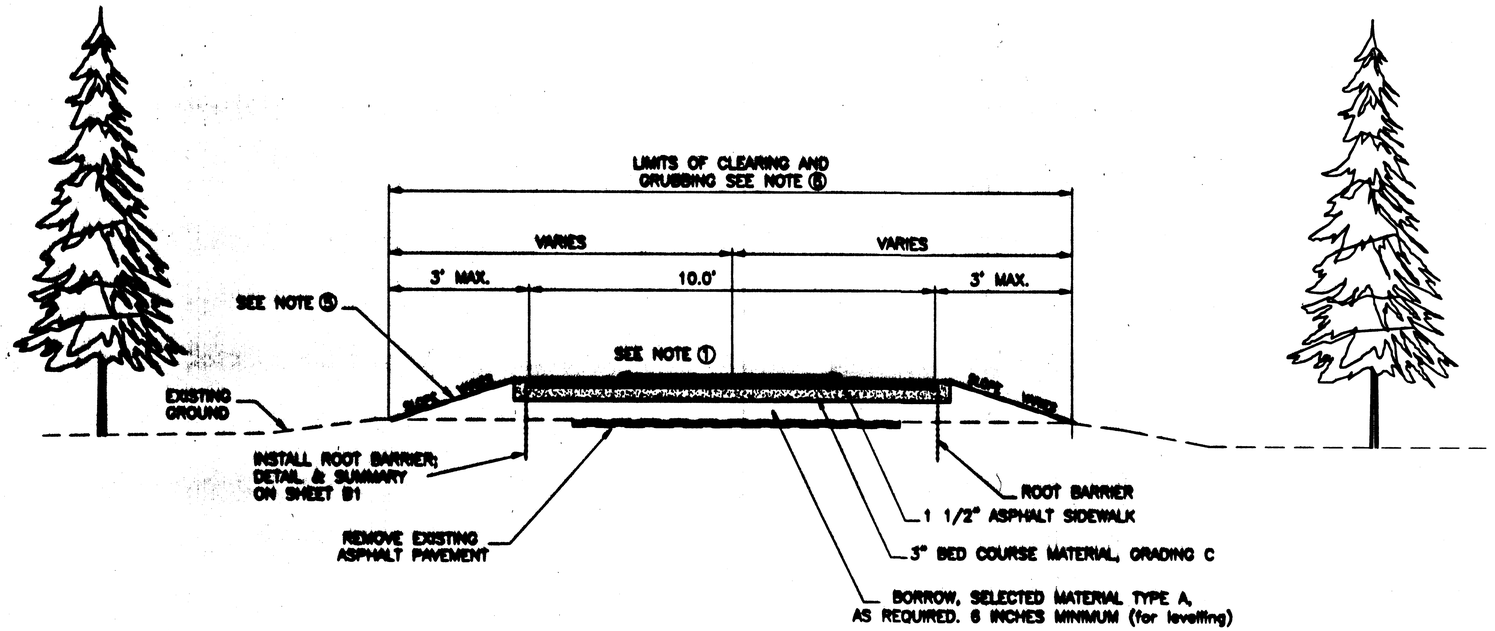
CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Typical Sections

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
C1	15



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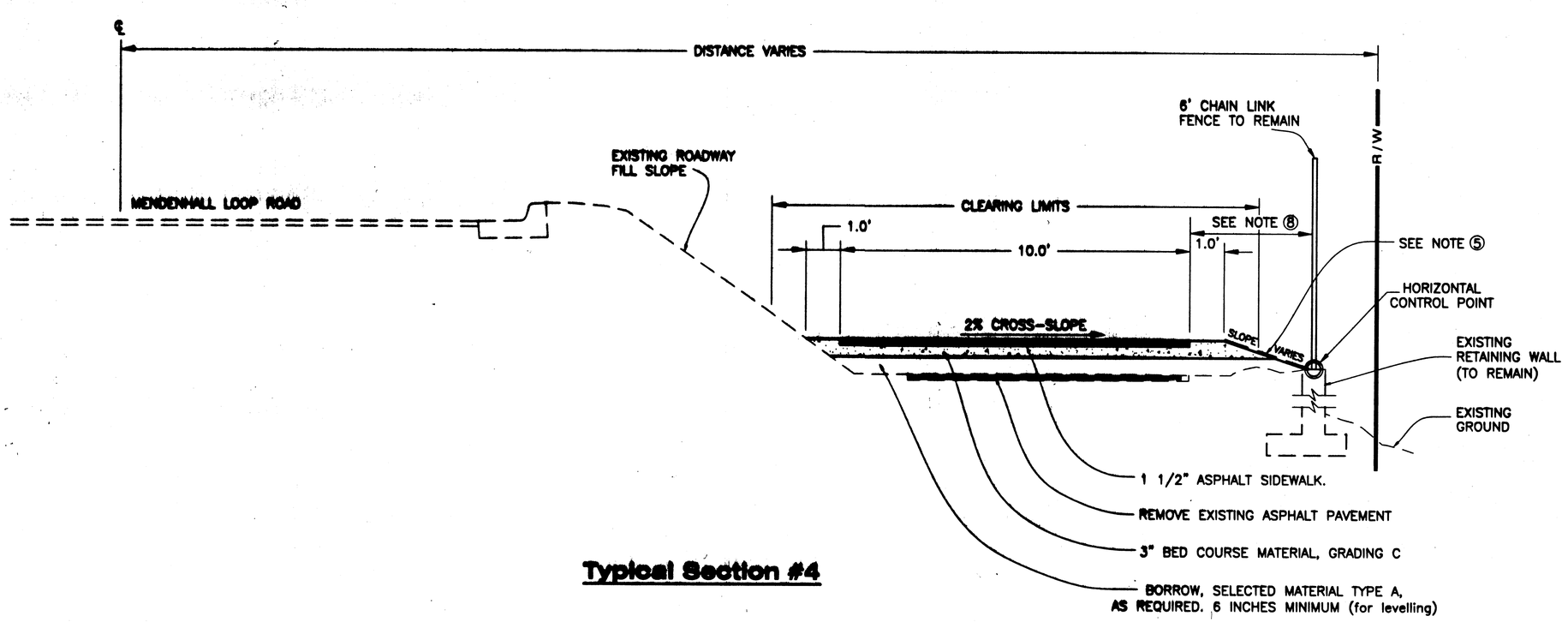

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

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JUNEAU
MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

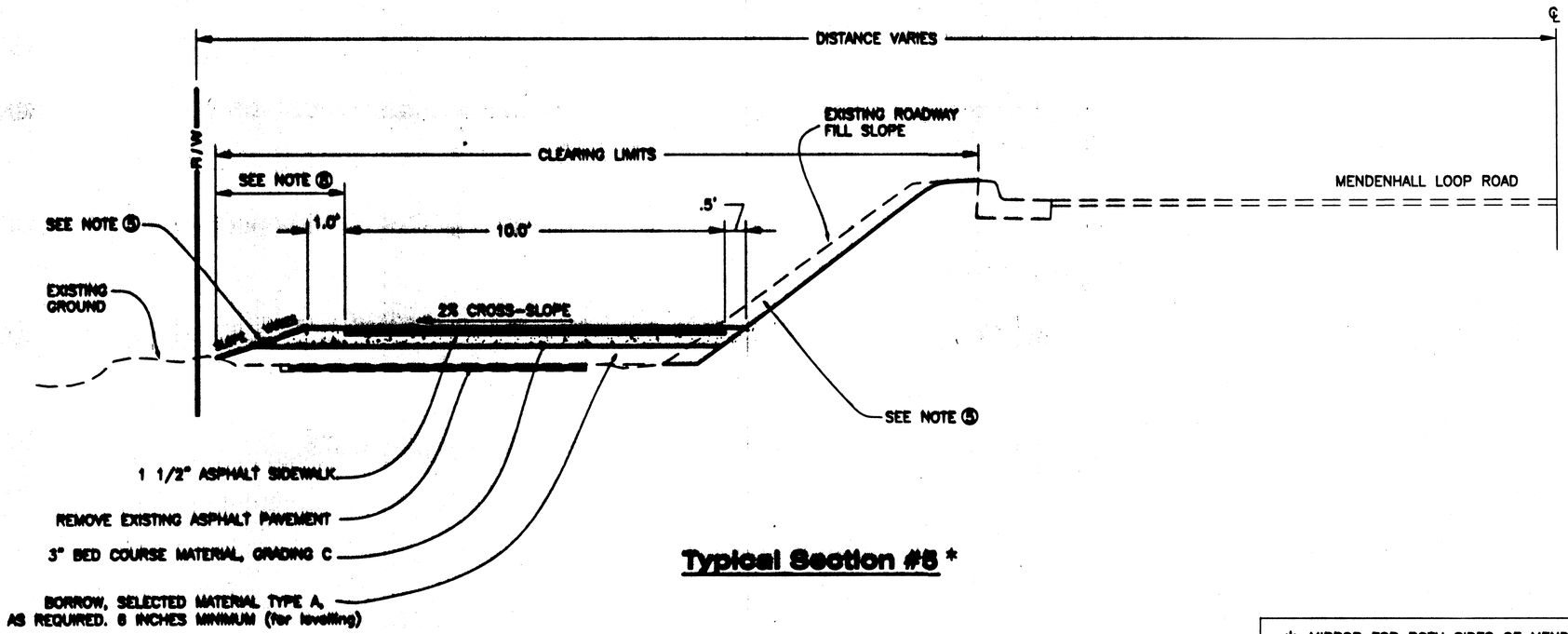
STATE OF ALASKA
49th
Victor M. Winters
CE-8992
PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

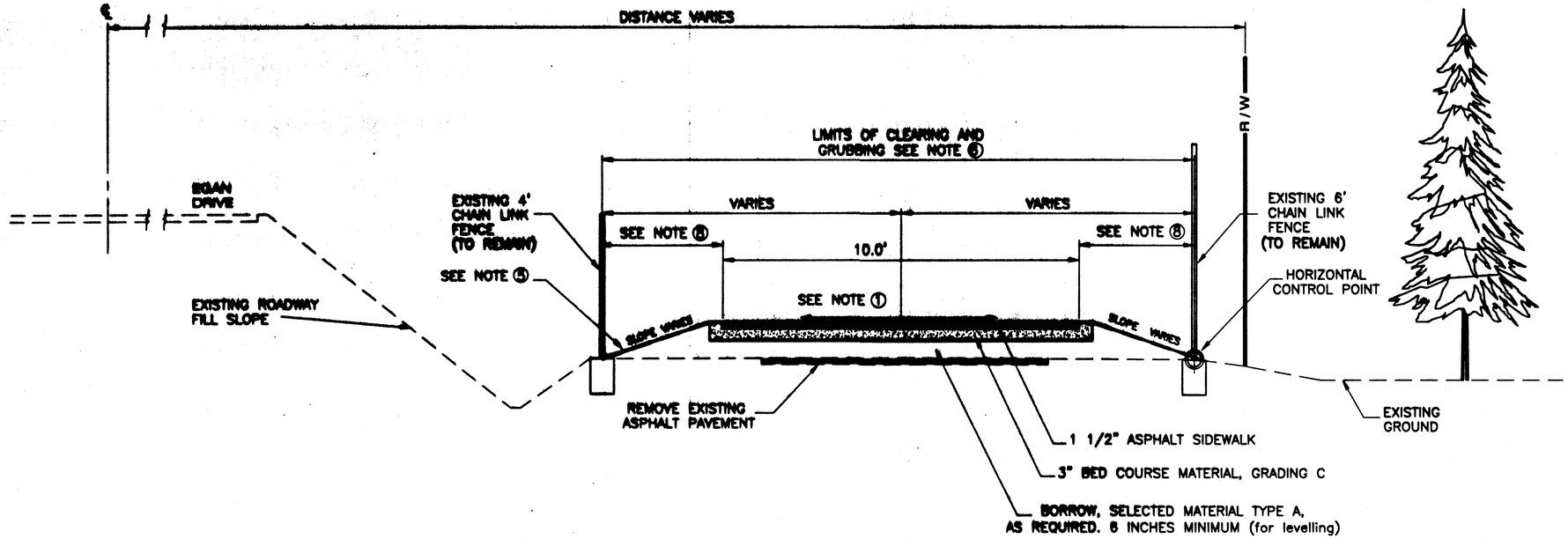
Typical Sections

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
C2	15



Typical Section #5 *

* MIRROR FOR BOTH SIDES OF MENDENHALL LOOP ROAD



Typical Section #6

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JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Typical Sections

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
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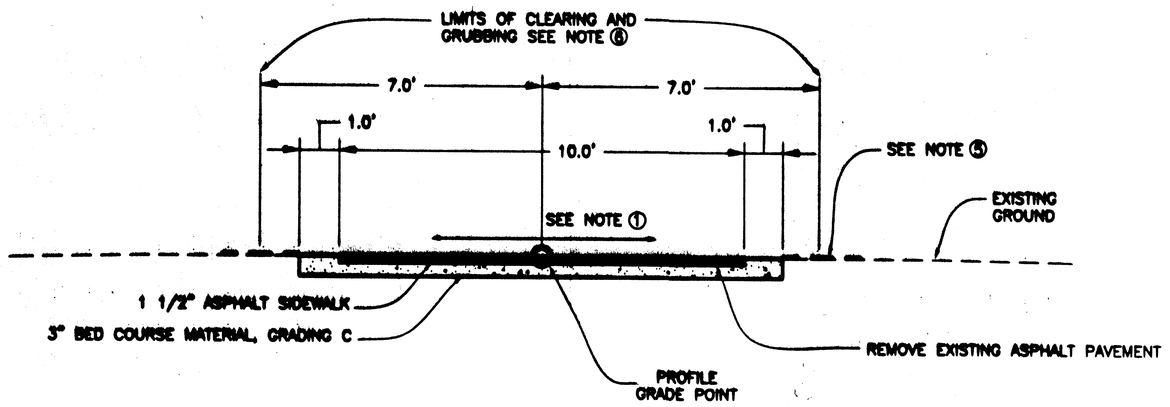

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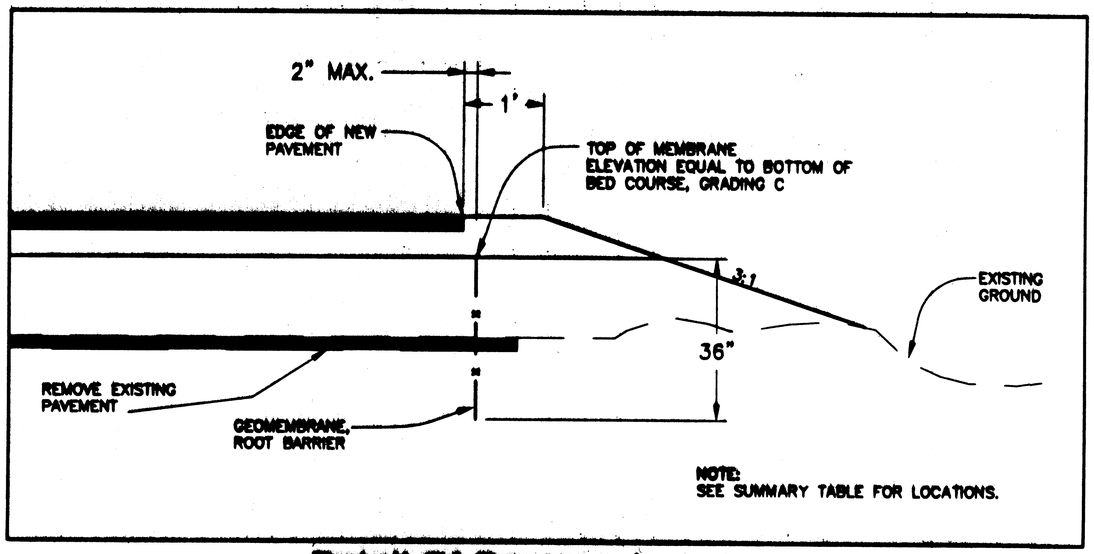

Detail Of Geomembrane Root Barrier

Root Barrier Summary

STATION	LEFT PATH	RIGHT PATH	LENGTH OF BARRIER
"E" 68+25 to "E" 68+65	X		40
"E" 70+60 to "E" 71+60	X		105
"E" 77+00 to "E" 77+85	X		85
		TOTAL	~~230~~ 266

UPDATED 06/20/2002 8:38 AM

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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Typical Sections

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

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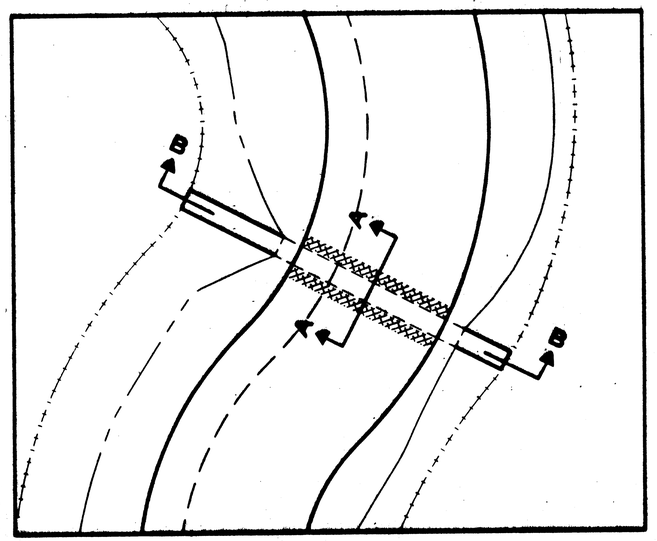
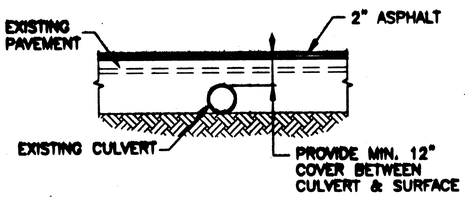


PLAN VIEW



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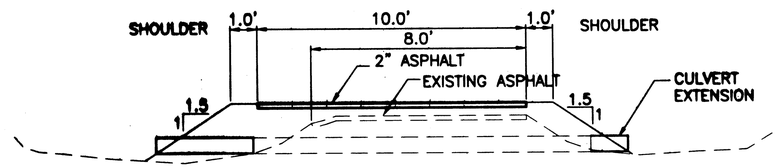
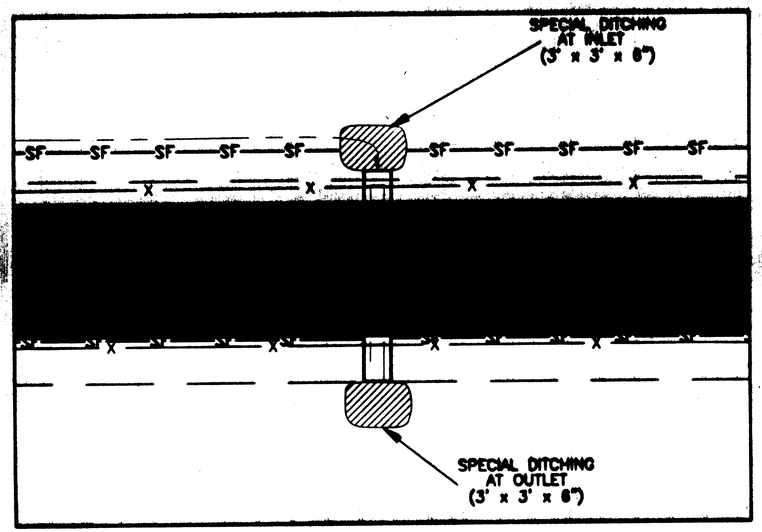


SECTION B-B

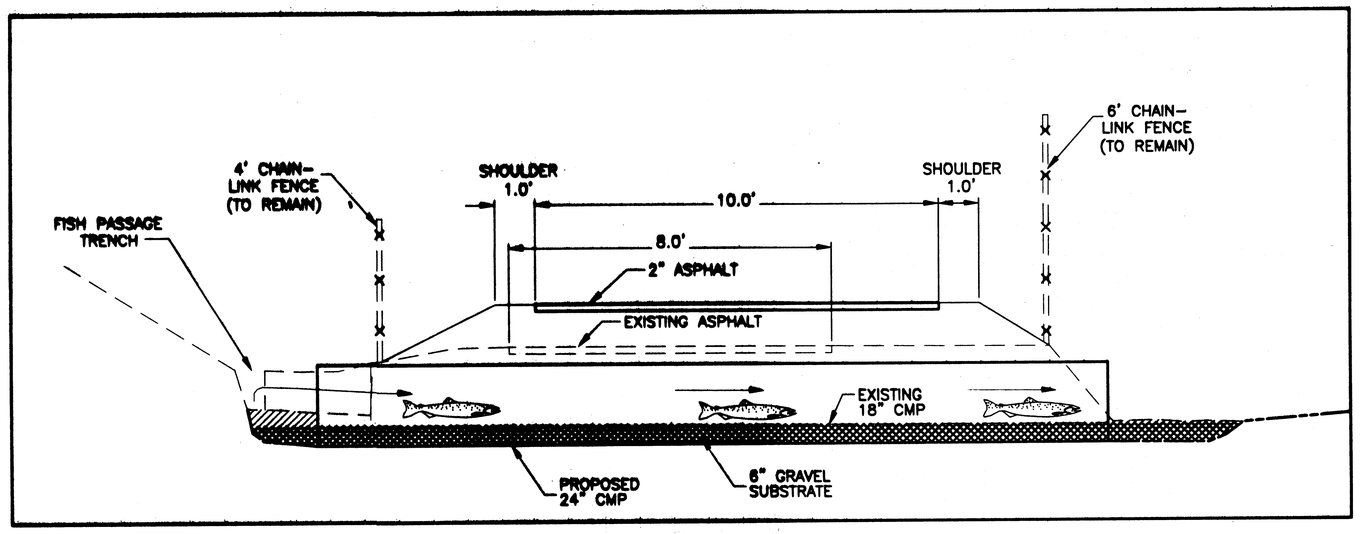
NOTES:

1. TRANSITION PROFILE TO ACHIEVE MINIMUM COVER OVER CULVERT, AS REQUIRED. DO NOT EXCEED 5% GRADE.

CULVERT EXTENSION/ REPLACEMENT DETAILS



PLAN VIEW



SECTION VIEW

FISH PASSAGE CULVERT DETAILS

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MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Miscellaneous Details

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Miscellaneous Details

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D1	15

PROJECT 68314 -
BEGIN RIGHT PATH
RECONSTRUCT 31+00±

EGAN DRIVE

35+00

P.I. 38+29.58

40+00

TYPICAL SECTION #6
Raise Grade 12"

GEOTEXTILE REINFORCEMENT

TYPICAL SECTION #1
Raise Grade 12"

4FT CHAIN-LINK FENCE

34+10

35+05

40+25

SIGN

1' DEEP FISH PASSAGE TRENCH LOCATED AT TOE OF DITCH.

REFER TO DETAIL SHEET FOR FISH PASSAGE CULVERT TYPICAL SECTION & PLAN VIEW

GENERAL PLAN NOTES:

1. APPLICATION OF TYPICAL SECTIONS MAY BE VARIED AS DIRECTED.
2. SAWCUT PAVEMENT AT EDGES OF ALL INTERSECTIONS AND DRIVEWAYS AS DIRECTED. ALL SAWCUTS WILL BE CLEANED AND TACKED PRIOR TO PLACEMENT OF NEW ASPHALT.
3. CONTRACTOR SHALL STAGE CONSTRUCTION AS SPECIFIED IN SECTION 108-1.04.
4. LOCATIONS OF ALL EXISTING AND ABANDONED UTILITIES ARE NOT KNOWN. THE CONTRACTOR SHALL OBTAIN ALL UTILITY LOCATES AND PERFORM HAND WORK AS NECESSARY TO AVOID ALL UTILITY DAMAGE. SEE SPECIAL PROVISION 105 AND 107-1.16.
5. ALL COSTS FOR DAMAGING ANY UTILITY LINE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE AREA BETWEEN FRED MEYERS AND ST. PAUL'S CATHOLIC CHURCH (EGAN DRIVE RIGHT) IS SUBJECT TO FLOODING.

PROJECT 68314 -
BEGIN LEFT PATH
RECONSTRUCT 50+65±

GLACIER HIGHWAY

EGAN DRIVE

45+00

50+00

TYPICAL SECTION #1
Raise Grade 12"

PC = 48+00.85

42+40

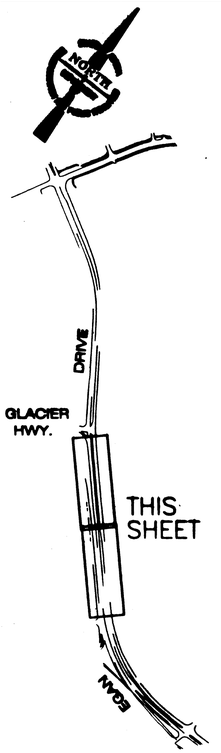
4FT CHAIN-LINK FENCE

47+65

4FT CHAIN-LINK FENCE

LEGEND

- = SILT FENCE
- = TEMPORARY CHECK DAM



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STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E1	15

Super 8

McDonalds

Jordan

JORDAN CREEK BIKE PATH BRIDGE #1587; SEE SECTION 514

4ft CHAIN-LINK FENCE

TYPICAL SECTION #1
Raise Grade 12"

EGAN DRIVE

55+00

60+00

TYPICAL SECTION #1
Raise Grade 12"

PT = 52+22.55

TYPICAL SECTION #1
Raise Grade 12"

TYPICAL SECTION #2
Raise Grade 12"

4ft CHAIN-LINK FENCE

100'

58+95

59+10

100'

Sign-Weight Restrictions

TEMPORARY CONSTRUCTION ACCESS PAD

JORDAN CREEK PEDESTRIAN BRIDGE; SEE LAYOUT SHEET AND SECTIONS 501, 504 & 515

Sign-Weight Restrictions

TEMPORARY CONSTRUCTION ACCESS PAD

Creek

Aurora Drive

Hurlock Ave.

46" SPRUCE

24" SPRUCE

RE-ALIGN PATH 10' TO RIGHT OF LARGE SPRUCE TREES, STATIONS 69+70 TO 71+80

REMOVE 24" SPRUCE & ROOTWAD WITHIN R.O.W.

TYPICAL SECTION #3
Raise Grade 12"

4ft CHAIN-LINK FENCE

68+

PC = 63+08.64

TYPICAL SECTION #1
Raise Grade 12"

65+00

EGAN DRIVE

70+00

PT = 71+74.66

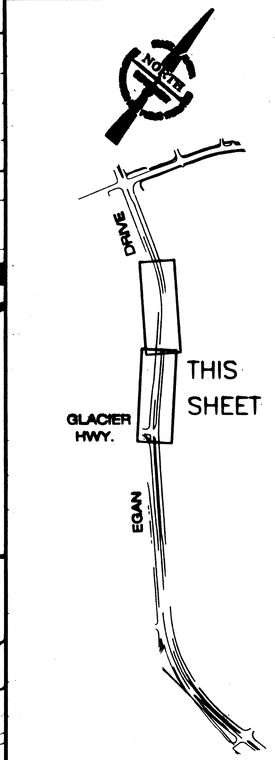
TYPICAL SECTION #2
Raise Grade 12"

TEMPORARY CONSTRUCTION ACCESS PAD

LEGEND

—#— = SILT FENCE

▮ = TEMPORARY CHECK DAM



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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: VICTOR WINTERS

DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E2	15

Hunlock Ave.

TYPICAL SECTION #3
Raise Grade 12"

MENDENHALL LOOP ROAD

Duck

19+00

20+00

21+00

22+00

75+00

EGAN DRIVE

80+00

PT = 71+74.66

TYPICAL SECTION #7

TYPICAL SECTION #2
Raise Grade 12"

75+02

6' CHAIN-LINK FENCE

TYPICAL SECTION #7
No Grade Raise

RECONSTRUCT HANDHOLE "M" 21+60 RT

80+18

ADJUST ELECTROLIER "M" 21+54 RT

Duck Creek

DUCK CREEK PEDESTRIAN BRIDGE; SEE LAYOUT SHEET AND SECTIONS 501, 504 & 515

23+10

MENDENHALL MALL RD.

PROJECT 68314 -
END LEFT PATH
RECONSTRUCT 31+80±

JAMES BLVD.

CONCRETE BLOCK WALL

TYPICAL SECTION #5
Raise Grade 12"

22+00

23+00

24+00

25+00

26+00

27+00

28+00

29+00

TYPICAL SECTION #4

30+00

31+00

32+00

33+

PC = 29+34.28

RECONSTRUCT HANDHOLE "M" 23+70 RT

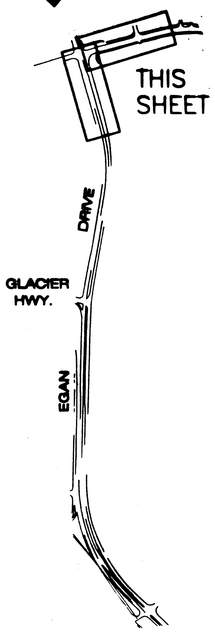
TYPICAL SECTION #5
Raise Grade 12"

ATLIN DRIVE

PROJECT 68314 -
END RIGHT PATH
RECONSTRUCT 26+60±

LEGEND

- = SILT FENCE
- = TEMPORARY CHECK DAM
- = NOT IN CONTRACT. Limits to be determined by Engineer.



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STATE OF ALASKA 49th
Victor M. Winters
CE-8992

CHECKED BY: VICTOR WINTERS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Plan Sheet

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
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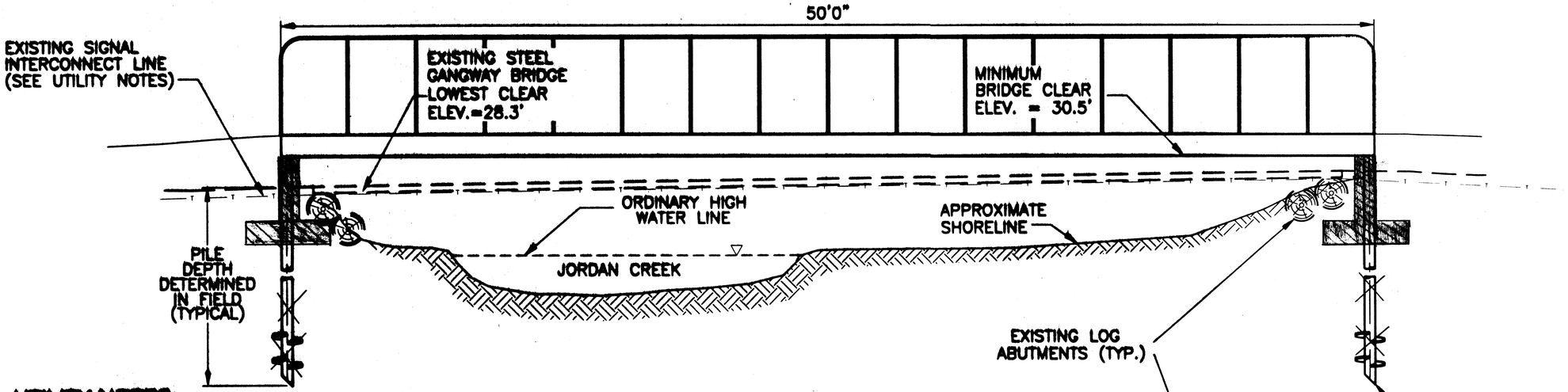
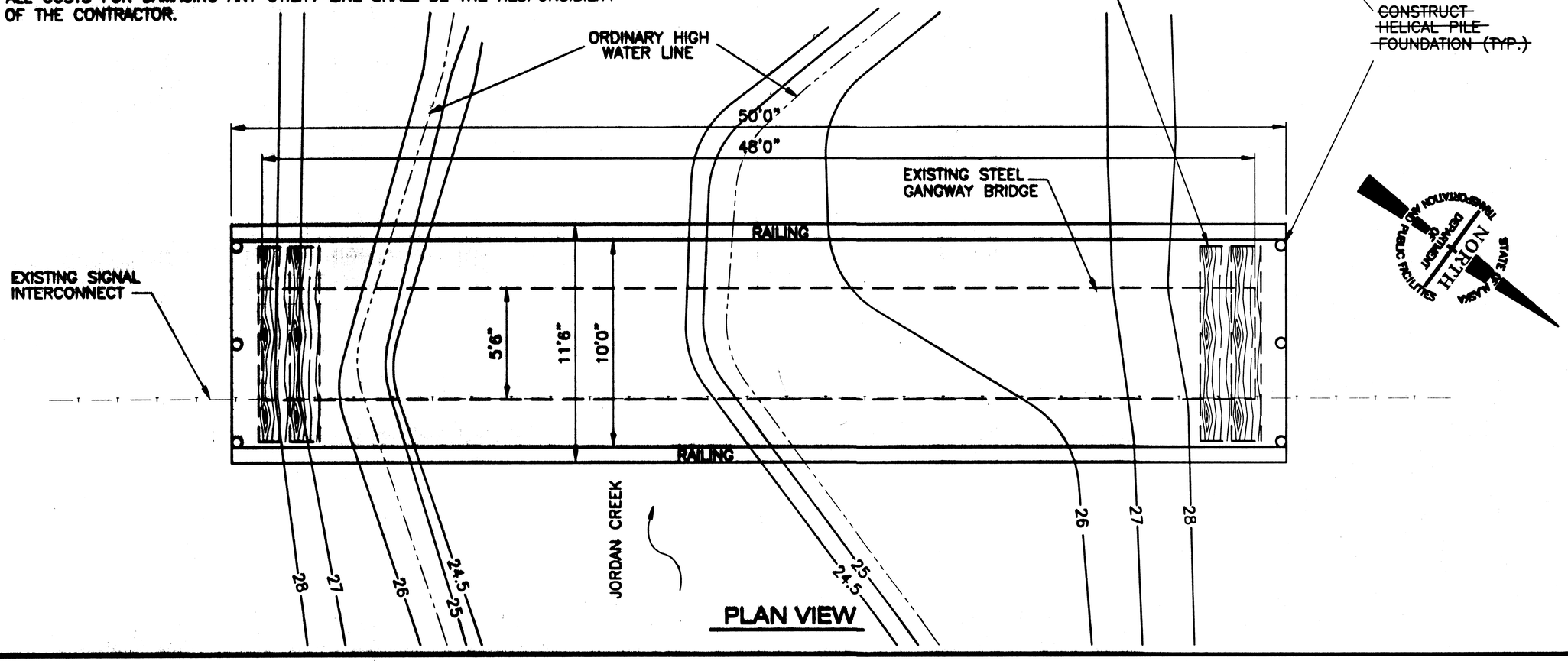
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E3	15



SECTION VIEW

UTILITY NOTES:

1) SIGNAL INTERCONNECT TO REMAIN IN SERVICE DURING CONSTRUCTION.
2) REPLACE CONDUIT HANGAR ASSEMBLY WITH EQUAL OR SIMILAR.
3) ALL COSTS FOR DAMAGING ANY UTILITY LINE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



PLAN VIEW

BRIDGE NOTES:

GENERAL:

ALL BRIDGE DETAILS ARE NOT SHOWN. FINAL DESIGN OF BRIDGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALTERNATIVES TO THE GENERAL FEATURES, ORIENTATION OF MEMBERS AND MATERIALS NOTED MAY BE PROPOSED FOR APPROVAL BY THE ENGINEER. SUPPORTING DOCUMENTATION AND STRUCTURAL CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ENGINEER IN THE STATE OF ALASKA. DETAILED SHOP DRAWINGS AND CALCULATIONS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

DESIGN CRITERIA:

ALL DESIGN AND FABRICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES:

1. UNIFORM BUILDING CODE, 1997 OR LATER EDITION
2. AASHTO GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 1997
3. AISC STEEL CONSTRUCTION MANUAL (LATEST EDITION)
4. AWS D1.1 & D1.2, STRUCTURAL WELDING CODE (LATEST EDITION)
5. APPLICABLE ASTM STANDARDS

LOADS:

DEAD LOAD – ALL
LIVE LOAD – UNIFORM 85 PSF
VEHICULAR LOAD – HS-10
WIND LOAD – 90 MPH, EXPOSURE "B"

SOILS:

ALLOWABLE BEARING CAPACITY – 1500 PSF
FROST DEPTH – 3 FEET

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Jordan Creek Pedestrian Bridge Layout

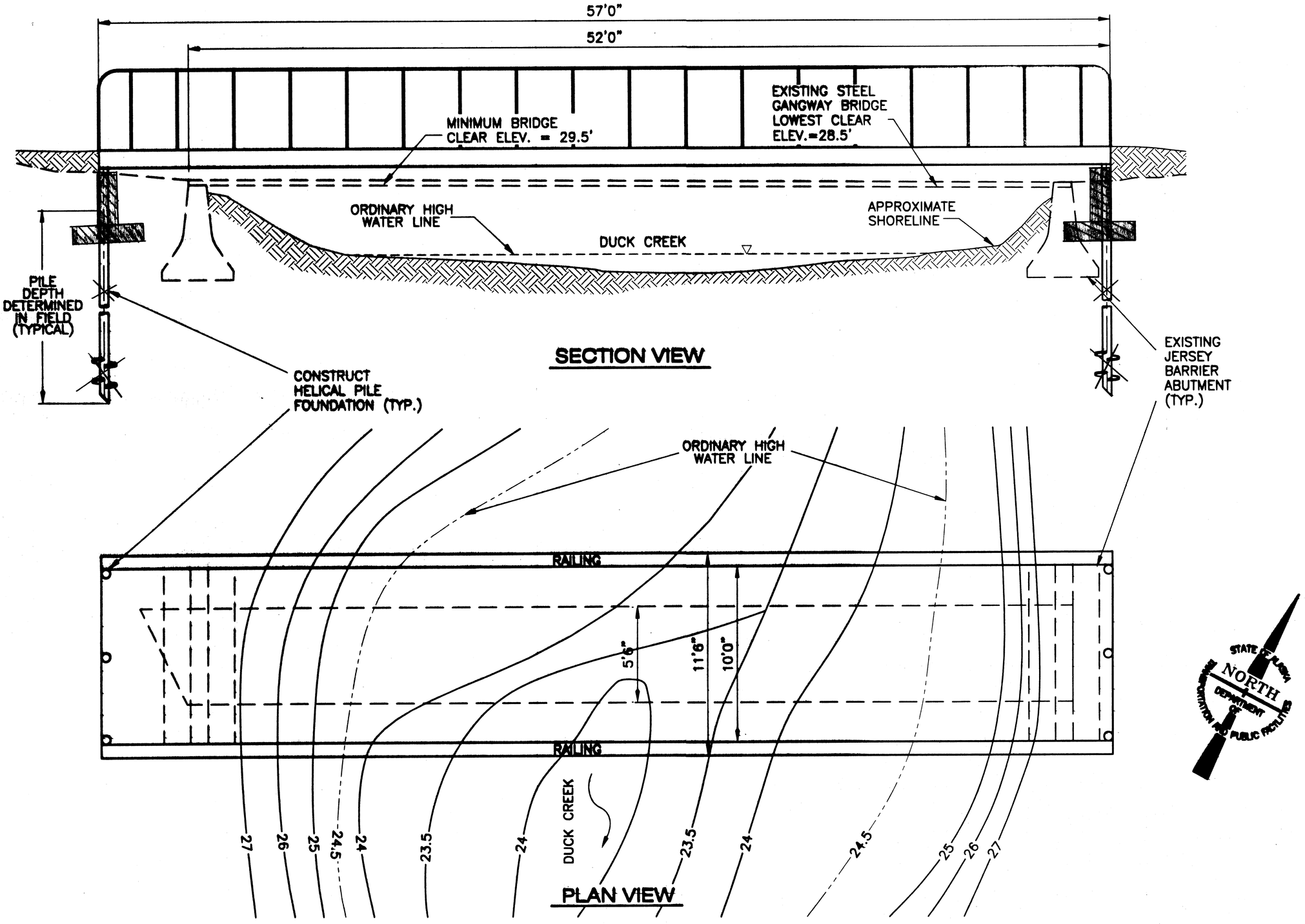
DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Jordan Creek Pedestrian Bridge Layout

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E4	15



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ADDENDUM NUMBER

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RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Duck Creek Pedestrian Bridge Layout

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters
CE-8992

NORTH

CHECKED BY: VICTOR WINTERS

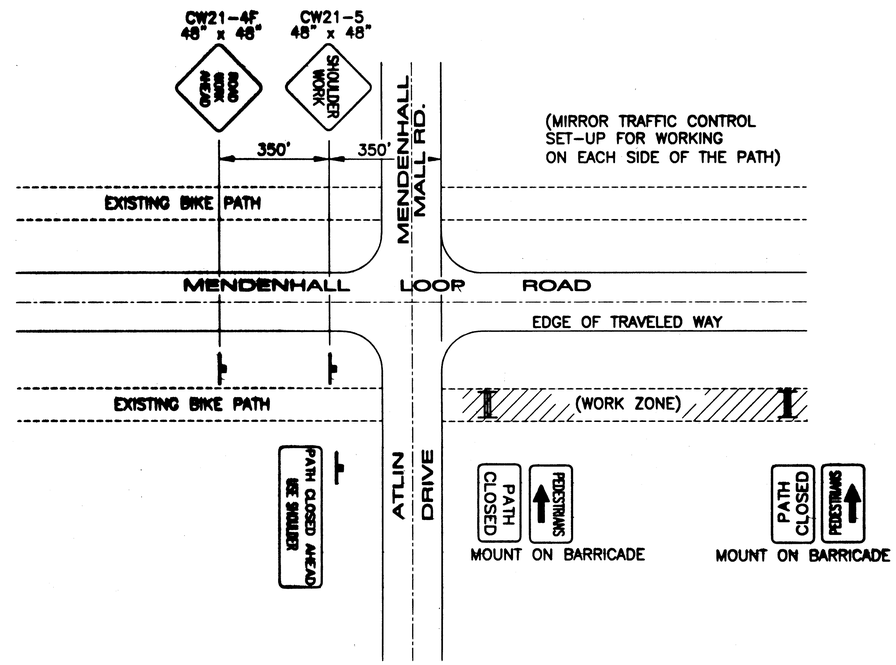
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
Duck Creek Pedestrian Bridge Layout

PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
E5	15

TRAFFIC CONTROL NOTES

1. 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 AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. TWO WAY TRAFFIC (ON EGAN DRIVE, LOOP ROAD AND SIDE STREETS) SHALL BE MAINTAINED AT ALL TIMES.
3. TRAFFIC LANES SHALL BE A MINIMUM OF 10ft. WIDE.
4. A FLAGGER SHALL BE USED TO DIRECT TRUCKS AND CONSTRUCTION EQUIPMENT WHEN THEY ENTER OR CROSS THE TRAVELLED WAY.
5. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
6. CHANNELIZATION DEVICES WILL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL IF USED AT NIGHT.
7. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, PATH CLOSURES, AND PEDESTRIAN BRIDGE CONSTRUCTION ACTIVITIES.
8. ACCESS TO BUSINESSES AND HOMES WILL BE OPENED AT THE END OF THE DAILY WORK SHIFT.
9. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
10. THE CONTRACTOR SHALL STAGE OPERATIONS SO THAT AT LEAST ONE PAVED PATH IS OPEN FOR UNRESTRICTED USE. AT NO TIME WILL BOTH THE LEFT AND RIGHT PATH BE UNDER CONSTRUCTION AT THE SAME STATION.
11. CONSTRUCTION OF THE PATH BETWEEN THE CUL-DE-SAC AT THE BOP AND THE INTERSECTION OF EGAN DRIVE AND GLACIER HIGHWAY SHALL BE CONDUCTED IN THE EVENING HOURS OF 10pm - 6am. THE PATH SHALL BE LEFT IN A FULLY TRAVERSABLE CONDITION EACH DAY AT THE END OF OPERATIONS.
12. THE CONTRACTOR MAY NOT STAGE EQUIPMENT ANYWHERE ALONG EGAN DRIVE AND/OR WITHIN THE CLEAR ZONE (30 FEET FROM THE EDGE OF PAVEMENT).
13. ALL ROADS WITHIN THE PROJECT LIMITS SHALL REMAIN OPEN TO TRAFFIC. SHORT-TERM SINGLE LANE CLOSURES ARE ALLOWED FOR BRIDGE PLACEMENT AND OTHER MISC. BRIDGE WORK.



PATHWAY WORK
MENDENHALL LOOP ROAD

LEGEND

- ····· SIGN
- ····· TYPE III BARRICADE

PATHWAY WORK
EGAN DRIVE

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TAB: J1_TCP

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Traffic Control Plans

DESIGNED BY: J. OSBURN

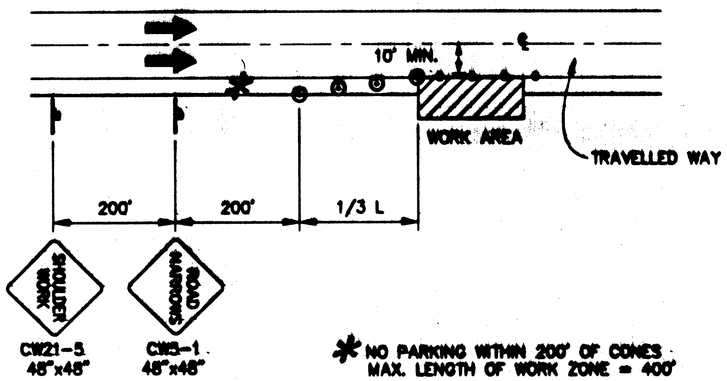
STATE OF ALASKA 49th Ken Mattson CE-10049 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: K. MATTSON
DRAWN BY: B. BENNETT

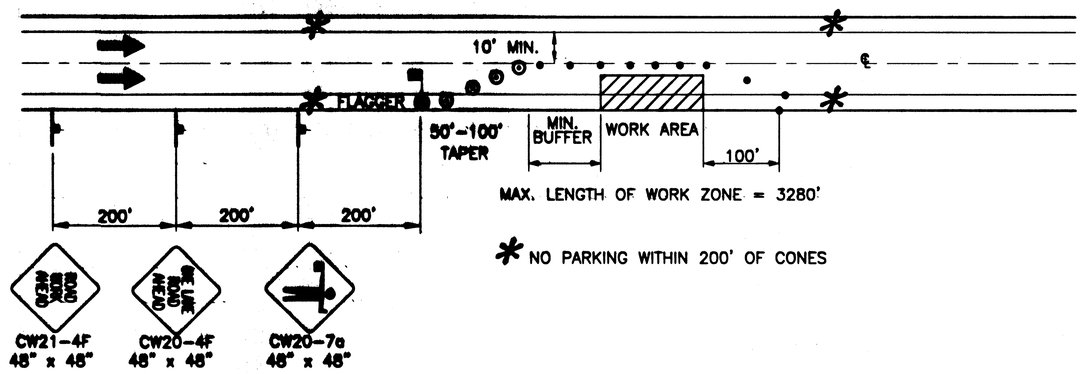
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Traffic Control Plans

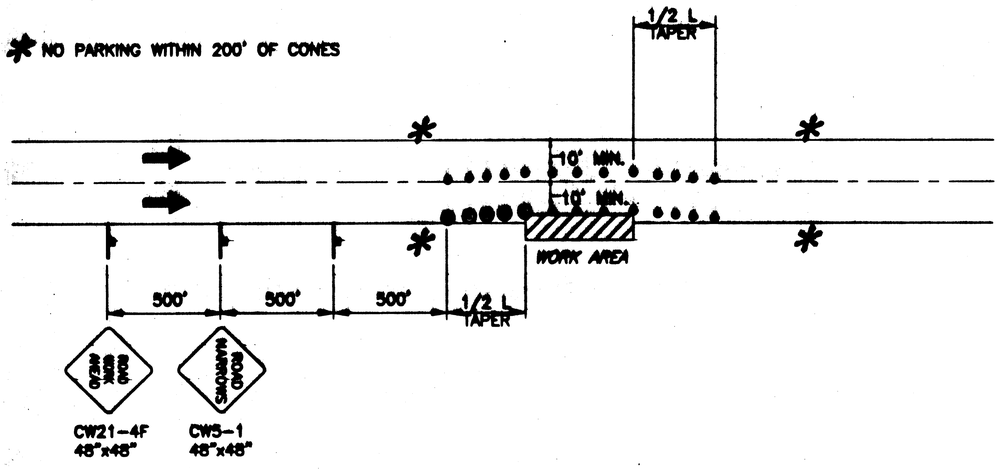
PROJECT DESIGNATION NUMBER	
CM-0003(81) / 68314	
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
J1	18



SHOULDER WORK



SINGLE LANE CLOSURE
TWO LANE ROAD



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED 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 MAY BE DELETED.

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

WHERE

L = LENGTH OF TAPER
W = WIDTH OF OFFSET
T = TAPER RATE

L = W x T

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TAB: J2_TCP

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE
PATH IMPROVEMENTS II
PROJECT NO. 68314

Traffic Control Plans

DESIGNED BY: J. OSBURN

STATE OF ALASKA
49th
Ken Mattson
CE-10049

CHECKED BY: K. MATTSON

DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

Traffic Control Plans

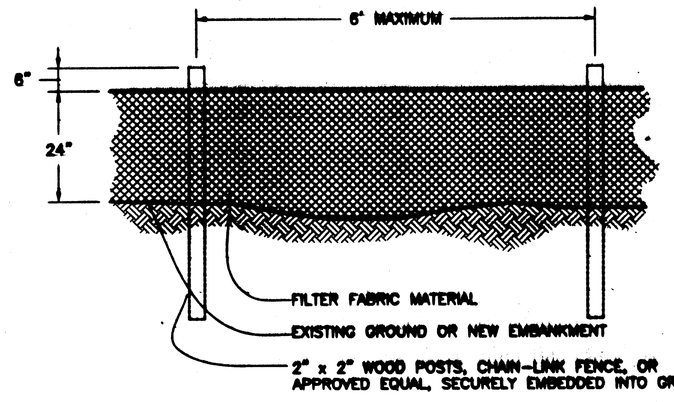
PROJECT DESIGNATION NUMBER

CM-0003(81) / 68314

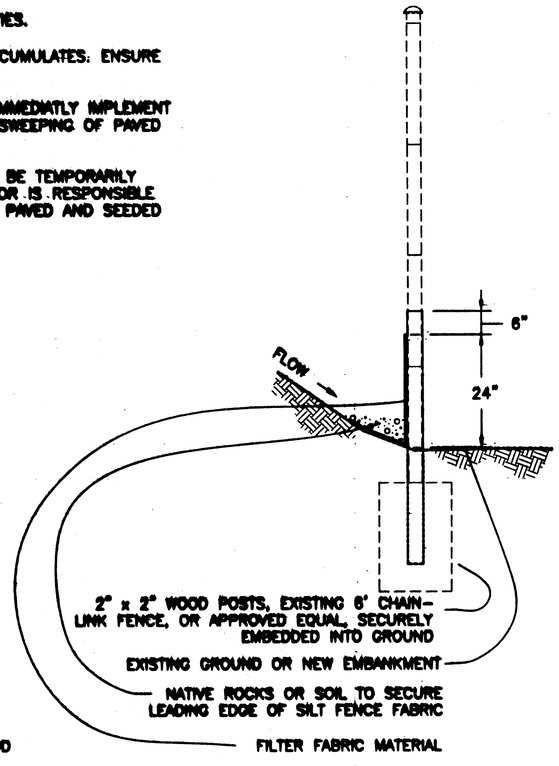
STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
J2	18

Notes:

1. THE PROJECT IS LOCATED IN BOTH THE DUCK CREEK AND JORDAN CREEK WATERSHEDS; A PORTION OF THE DRAINAGE FROM THE PROJECT WORK LIMITS DISCHARGES INTO THESE CREEKS. THEY ARE BOTH CLASSIFIED BY THE EPA AS DESIGNATED IMPAIRED WATERBODIES, LISTED UNDER SECTION 303(D) OF THE CLEAN WATER ACT. SPECIAL CONTROLS ARE REQUIRED TO RESTORE DUCK CREEK'S WATER QUALITY. THE STREAM IS THE FOCUS OF A JOINT AGENCY RECOVERY EFFORT.
2. THE FISH PASSAGE CHANNEL, EXISTING AS A TRENCH IN THE BOTTOM OF THE DITCH ALONG EGAN DR. (STA. 31+57 TO 38+88 RT), MUST NOT BE DISTURBED, EXCEPT FOR ANY CONSTRUCTION NECESSARY AT EITHER END OF THE CULVERT.
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE EARTH DISTURBING ACTIVITIES.
4. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE CHECK DAMS WHEN 4" OF SEDIMENT ACCUMULATES. ENSURE SILT FENCE IS TIGHT AGAINST GROUND.
5. IF INSPECTION REVEALS WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATLY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL SILT FENCING OR CHECK DAMS MAY BE REQUIRED. SWEEPING OF PAVED SURFACES AND TEMPORARY SEEDING AND MATTING MAY ALSO BE REQUIRED.
6. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDED AREAS HAVE ACHIEVED 70% VEGITATIVE COVER.
7. SEE SHEETS E1-E3 FOR EROSION AND SEDIMENT CONTROL PLAN (ESCP) SHEETS.



Elevation



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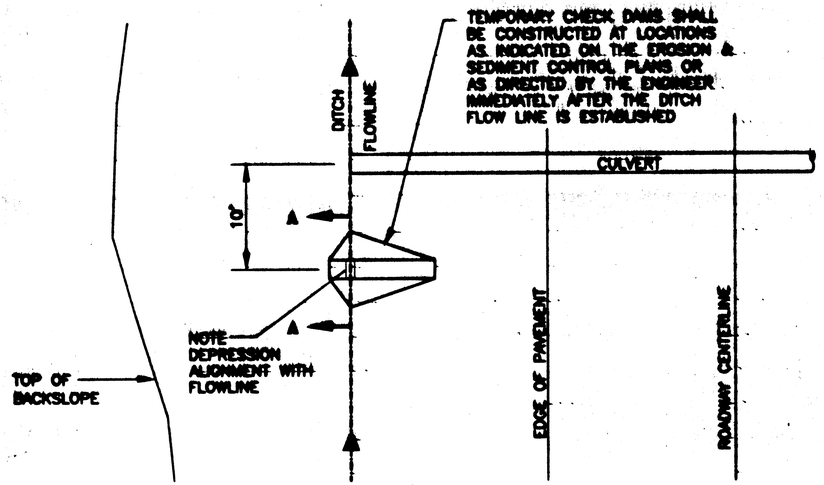
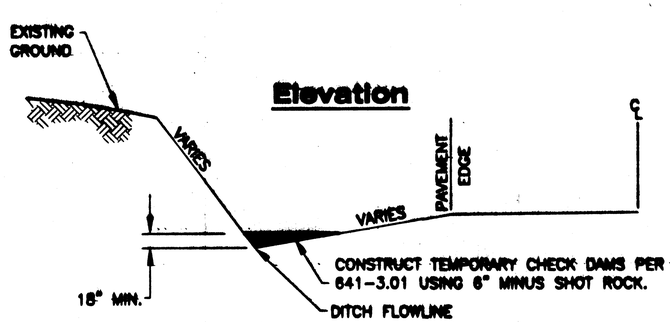
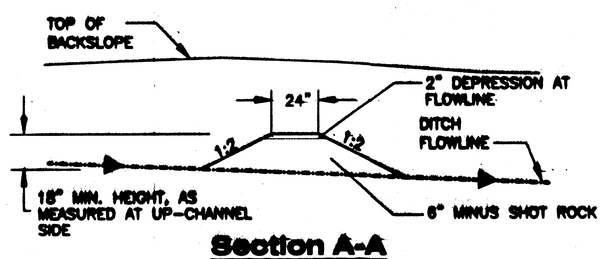


Plan



Elevation

Temporary Check Dam Details



Section A-A

Site Charactistics:

A. PHYSICAL LOCATION:

JUNEAU IS SITUATED AT THE NORTHERN END OF THE ALEXANDER ARCHIPELLAGO.
58°21'38.24" N. LATITUDE
134°34'02.14" W. LONGITUDE
HORIZONTAL DATUM: NAD-83
SECTIONS 30 & 31, TOWNSHIP 040 SOUTH, RANGE 066 EAST, COPPER RIVER MERIDIAN

B. PRECIPITATION AND HYDROLOGY INFORMATION:

JUNEAU AVERAGES 54" INCHES OF PRECIPITATION PER YEAR AND 100 INCHES OF SNOW.
ESTIMATED PRE-CONSTRUCTION RUNOFF COEFFICIENT: C=0.40
ESTIMATED POST-CONSTRUCTION RUNOFF COEFFICIENT: C=0.40
RECEIVING WATERS ARE DUCK CREEK AND JORDAN CREEK.
AREA OF PROJECT = 3.2 ACRES.

Description of Construction Activity:

A. PATH RECONSTRUCTION:

THE PLANS CALL FOR THE RECONSTRUCTION OF THE EXISTING 8-FOOT WIDE PAVED PATH. WORK ON THE NEW 10-FOOT WIDE PATH WILL BEGIN WITH CONSTRUCTION OF THE FISH PASSAGE CULVERT, UNLESS THE LOCAL AREA IS FLOODED OR WORK BEGINS OUTSIDE OF THE PERMIT WINDOWS, IN WHICH CASE WORK WILL BEGIN ON THE LEFT/RIGHT PATH AT THE END OF THE PROJECT WORKING DOWNSTATION. SOFT SOILS EXIST ON THE RIGHT PATH BETWEEN FRED MEYERS AND THE JORDAN CREEK PED. BRIDGE. A GEOTEXTILE WILL BE USED TO STABILIZE THE EXISTING GROUND PRIOR TO BORROW PLACEMENT IN THIS AREA. SELECT TREE REMOVAL AND GRUBBING ON THE LEFT PATH WILL OCCUR PRIOR TO PLACEMENT OF THE ROOT BARRIER.

B. PED. BRIDGE APPROACH CONSTRUCTION:

THE PLANS CALL FOR CONSTRUCTION OF 10 TO 15 FOOT LONG PATH APPROACHES AT BOTH ENDS OF THE PEDESTRIAN BRIDGES. THE APPROACHES LINK THE BRIDGE WITH THE MULTI-USE PATH AND TRANSITION TO MEET THE GRADE OF THE NEW PEDESTRIAN BRIDGES. THE CONTRACTOR HAS SEVERAL OPTIONS ON HOW TO BUILD THE APPROACHES, BUT ENVIRONMENTAL PERMITTING DOES NOT ALLOW THE PLACEMENT OF FILL ONTO CLASS B WETLANDS OR BELOW ORIGINAL HIGH WATER (OHW) LEVELS. ONCE THE BRIDGE FOUNDATIONS ARE COMPLETED, THE PATH APPROACHES AT BOTH ENDS CAN BE CONSTRUCTED. THE CONSTRUCTION OF AN AT-GRADE CONCRETE ABUTMENT, IN ADDITION TO THE FOUNDATION, IS RECOMMENDED AS A MEANS OF CONTAINING MATERIAL USED TO CONSTRUCT THE APPROACHES. THE REMAINING WORK WILL INVOLVE PLACEMENT OF BORROW MATERIAL TO THE LINE, GRADE AND SLOPES INDICATED ON THE CONTRACTOR-FURNISHED APPROACH PLAN SHEETS. THE PATH WILL BE FINE GRADED WITH CRUSHED AGGREGATE BASE COURSE AND A 1.5-INCH LIFT OF ASPHALT PAVEMENT. THE CONTRACTOR MAY OBTAIN ADDITIONAL PERMITTING IN ORDER TO FILL ON CLASS B WETLANDS OR BELOW O.H.W. IN THAT CASE, SOIL SLOPES WILL BE STABILIZED WITH TOP SOIL, SEEDING AND MATTING TO REDUCE EROSION.

C. PEDESTRIAN BRIDGE CONSTRUCTION:

INSTALLATION OF THE PEDESTRIAN BRIDGES WILL BEGIN ONCE THE FOUNDATIONS AND APPROACHES HAVE BEEN CONSTRUCTED. ACCESS TO THE JORDAN CREEK BRIDGE SITE MAY BE REACHED BY EGAN DRIVE, WHILE THE DUCK CREEK BRIDGE SITE MAY BE REACHED BY MENDENHALL LOOP ROAD. INSTALLATIONS SHALL OCCUR SEPARATELY AND MAY ONLY OCCUR WITHIN THE OFF-PEAK HOUR (SEE NOISE ORDINANCE PERMIT) TIME WINDOW. BRIDGES SHALL BE LOADED ON A FLAT-BED TRUCK AND TRANSPORTED TO THE SITE FROM THE CONTRACTORS' TEMPORARY STORAGE LOCATION. A CRANE OR PROPERLY LOAD-RATED BOOM TRUCK WILL MOVE THE BRIDGE FROM THE FLAT-BED TRUCK TO ITS FINAL RESTING PLACE ON THE FOUNDATION. THE CONTRACTOR IS AUTHORIZED UNDER NW3 ENVIRONMENTAL PERMIT TO PLACE MINIMAL FILL QUANTITIES IN THE CLASS B WETLANDS, BUT THERE IS NO PERMISSION TO WORK BELOW O.H.W. IN DUCK AND JORDAN CREEKS.

Silt Fence Summary

STATION FROM	STATION TO	OFF.	REMARKS
"E" 31+00	"E" 34+25	RT	BOTH SIDES OF PATH
"E" 36+25	"E" 41+65	RT	RIGHT SIDE OF PATH
"E" 57+40	"E" 59+40	LT	BOTH SIDES OF PATH
"E" 57+60	"E" 61+15	RT	BOTH SIDES OF PATH
"E" 68+60	"E" 76+60	RT	RIGHT SIDE OF PATH
"E" 75+00	"E" 76+70	LT	BOTH SIDES OF PATH
"E" 79+50	"E" 80+50	LT	RIGHT SIDE OF PATH
"E" 79+20	"M" 24+00	RT	RIGHT SIDE OF PATH
"M" 22+25	"M" 24+70	LT	BOTH SIDES OF PATH
"M" 28+60	"M" 31+80	LT	LEFT SIDE OF PATH

UPDATED 12/10/2002 9:32

PATH: Q:\Jnu\68314\Planset\P_ErosionDet.dwg
Tue, 28/Jan/03 01:56PM bwbennett
PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: P1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II
PROJECT NO. 68314

Erosion & Sediment Control Details

DESIGNED BY: JOEL OSBURN

STATE OF ALASKA 49th
Victor M. Winters CE-8992

CHECKED BY: VICTOR WINTERS
DRAWN BY: BERT BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
MENDENHALL VALLEY MULTI-USE PATH IMPROVEMENTS II

ESCP Details

PROJECT DESIGNATION NUMBER
CM-0003(81) / 68314

STATE	YEAR
ALASKA	2002
SHEET NUMBER	TOTAL SHEETS
P1	15