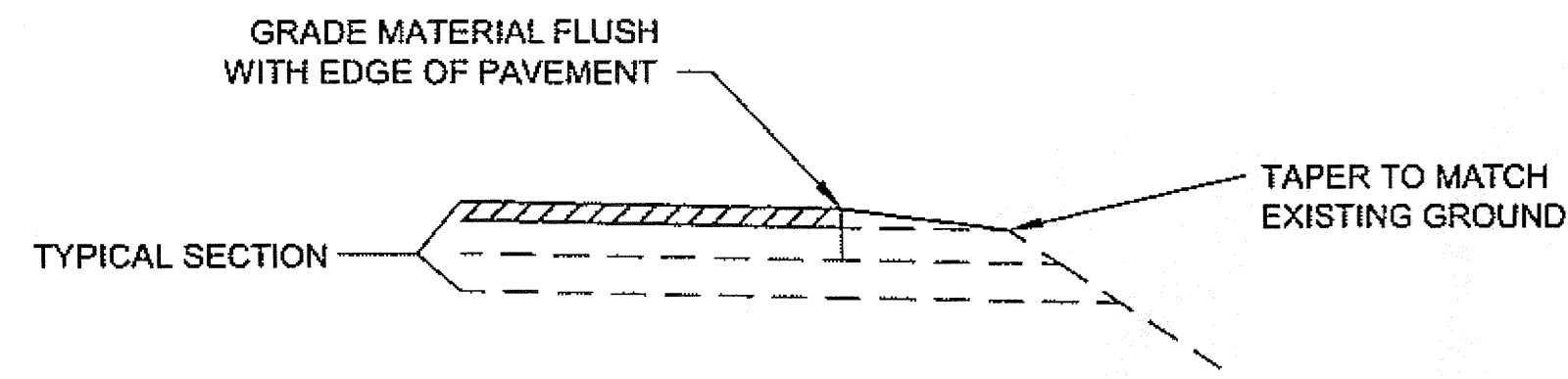


SPOT REPAIR TYPICAL SECTIONS

VARIOUS LOCATIONS IDENTIFIED IN THE PLANS
SEE NOTE 2.

* PAVEMENT FAILURE AREA FROM STA. "K" 46+50 TO STA "K" 48+00 LEFT. COLD PLANING AND PAVING LIMITS SHALL INCLUDE THE SHOULDER.

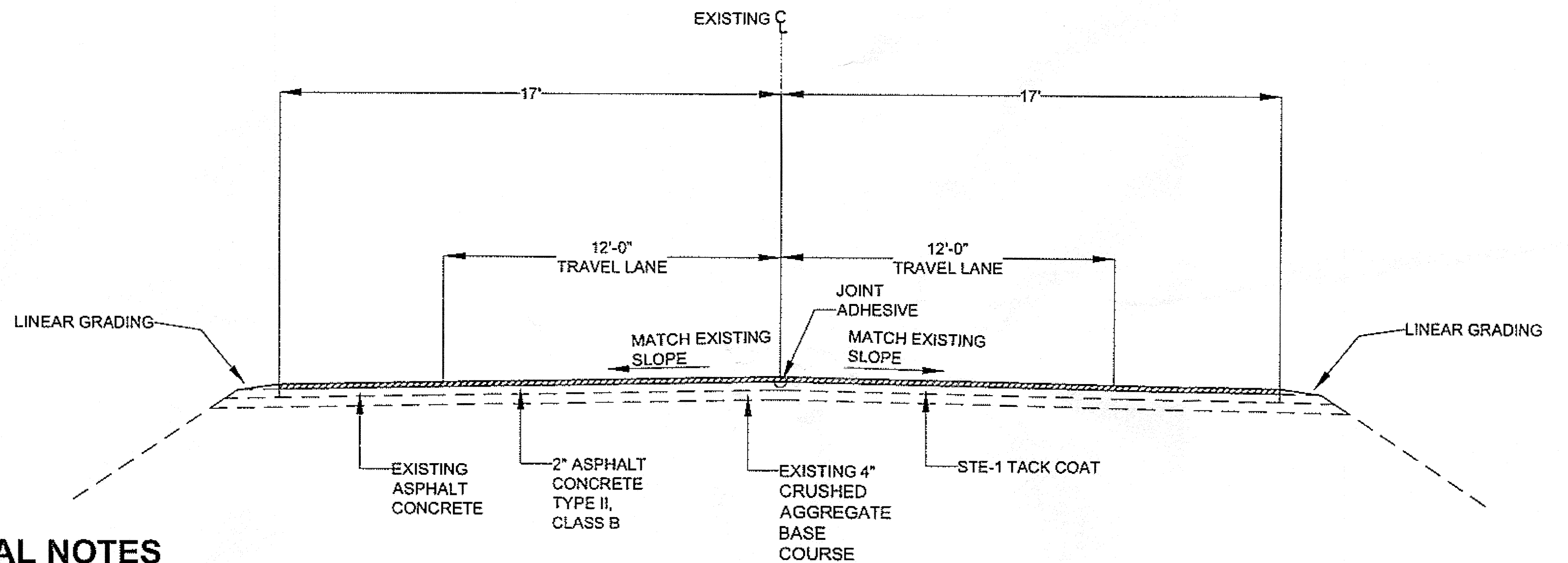
TYPICAL SECTIONS
STA. "K" 0+41.38 TO STA. "K" 49+90
WATER STREET



LINEAR GRADING

LEFT AND RIGHT EDGE OF PAVEMENT

1. MATERIAL FOR LINEAR GRADING SHALL MATCH THE REQUIREMENTS OF AGGREGATE BASE COURSE D-1 OR RAM.
2. LINEAR GRADING SHALL BE PAID FOR UNDER ITEM 303 (3).



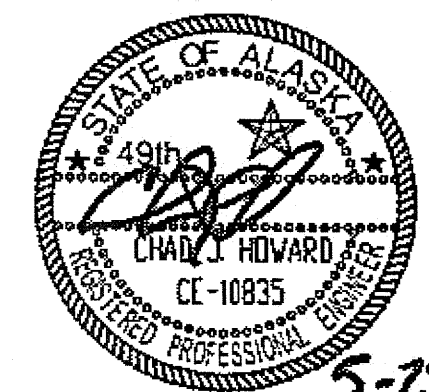
OVERLAY TYPICAL SECTIONS
STA. "K" 49+90 TO STA. "K" 387+50
CRAIG-KLAWOCK HIGHWAY

GENERAL NOTES

1. INFORMATION CONTAINED IN THESE DOCUMENTS HAS BEEN COMPILED FROM AS-BUILT DRAWINGS. BUILDING AND FEATURE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS WILL VARY.
2. THE SPOT REPAIR WORK AT AREAS SHOWN IN THE PLANS IS TO BE COMPLETED PRIOR TO THE OVERLAY. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE IDENTIFIED BY THE ENGINEER PRIOR TO BEGINNING WORK.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SET CONTROL FOR THE COLD PLANING, PAVING, TRAFFIC MARKINGS AND OTHER ITEMS AS NECESSARY TO COMPLETE THE WORK. SETTING CONTROL POINTS FOR REINSTALLING TRAFFIC MARKINGS SHALL BE COORDINATED WITH THE ENGINEER.
4. COLD PLANING WIDTHS AND DEPTHS MAY VARY AND ARE SUBJECT TO MINOR REVISIONS AS DETERMINED BY THE ENGINEER.
5. PRIOR TO PLANING OPERATIONS, INLETS, CATCH BASINS, AND DRAINS SHALL BE SUFFICIENTLY BARRICADED SO AS TO PREVENT DEBRIS FROM ENTERING THE DRAINAGE SYSTEM, OR STREAMS.
6. AS-BUILTS INDICATE 3"- 5" ± EXISTING ASPHALT PAVEMENT.
7. COLD PLANING SHALL LEAVE A CLEAN EDGE AT THE SHOULDERS.
8. THE PAVEMENT REMOVED BY COLD PLANING SHALL BE USED FOR LINEAR GRADING AND FOR USE IN THE PROJECT. ALL UNUSED MATERIAL SHALL BE HAULED AND STOCKPILED TO THE D.O.T. MAINTENANCE FACILITY IN KLAWOCK.
9. SEE SUBSECTION 401-3.14 OF THE SPECIAL PROVISIONS REGARDING JOINTS.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 8-15-11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD  DESIGNED BY: D. WILLIAMS DRAWN BY: B. WILSON		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION CRAIG-KLAWOCK HIGHWAY RESURFACING PROJECT #68784		
PATH: Q:\POW\68784\PLANSET\B-TYPICAL.DWG TAB: B1 Friday, May 22, 2009 1:19:45 PM DLESTER		TYPICAL		
PROJECT DESIGNATION 68784		YEAR 2009	SHEET NO B1	TOTAL SHEETS 25

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	-1424 2,792.31
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	-322 436.50
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	200 1,327.90
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	-100 113.55
303 (1)	RECONDITIONING	STATION	-5 1
303 (3)	LINEAR GRADING	STATION	-670 669.34
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	-10,200 18,724.17
401 (2)	ASPHALT CEMENT, GRADE PG58-28	TON	-1,156 1,220.44
401 (6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
401 (10)	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	-87 49.04
408 (1)	PAVEMENT COLD PLANING	SQUARE YARD	-27,990 28,417.20
508 (1)	WATERPROOFING MEMBRANE	LUMP SUM	ALL REQUIRED
603 (21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	-195 320.10
603 (21)-36	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	-107 0
604 (4)	ADJUST EXISTING MANHOLE	EACH	-7 9
608 (3)	ASPHALT SIDEWALK	SQUARE YARD	-20 16.3
609 (1)	CURB, TYPE 1	LINEAR FOOT	-20 16.1
615 (1)	STANDARD SIGN	SQUARE FOOT	-190 201.25
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	-9 19
638 (1)	WATTLE	LINEAR FOOT	-440 1,056
639 (3)	DRIVEWAY	EACH	-35 31
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
641 (1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641 (2)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED
641 (7)	INLET PROTECTION	EACH	23
641 (8)	ROCK CHECK DAM	EACH	-10 6
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (11)	ADJUST EXISTING MONUMENT CASE	EACH	28
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
644 (1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644 (2)	FIELD LABORATORY	LUMP SUM	ALL REQUIRED
644 (6)	VEHICLES	LUMP SUM	ALL REQUIRED
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670 (8)	RECESSED PAVEMENT MARKER	EACH	-660 631

CO#1 203(6) BORROW
 CO#1 508(1A) GROUT FOR BRIDGE DECK
 CO#1 603(21-18) 18" CORR POLY PIPE
 CO#2 ASPHALT MIX DESIGN CHANGE
 CO#3 402(2) CSS-1 PRICE ADJUSTMENT
 CO#4 603(22) INSTALL 32" Ø CULVERT LINER
 CO#5 108(2) DEPT ENGINEERING COST CREDIT

BASIS OF ESTIMATE			
ITEM NUMBER	ITEM	ESTIMATING FACTOR	
202 (1)	REMOVAL OF PAVEMENT	KLAWOCK RIVER BRIDGE	
203 (3)	UNCLASSIFIED EXCAVATION	120 CY ROCK EX	
401 (1)	ASPHALT CONCRETE TYPE II, CLASS B	120 LB/S.Y./INCH	
401 (2)	ASPHALT CEMENT GRADE PG 58-28	6.0% OF 401(1)	
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/S.Y.	243 GAL/TON

\$34,586.26

\$30,000.00

Deleted by CO#4

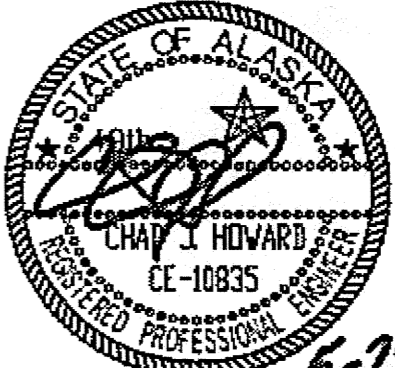
\$9,341.33

\$124,696.00

\$24,524.85

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 8-15-11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION CRAIG-KLAWOCK HIGHWAY RESURFACING PROJECT #68784	
DESIGNED BY: D. WILLIAMS DRAWN BY: B. WILSON		ESTIMATE OF QUANTITIES	
PATH: Q:\POW68784\PLANSET\EST-ESTIMATES.DWG TAB: C1 Friday, May 29, 2009 9:47:11 AM		DLESTER	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 68784	YEAR 2009
		SHEET NO. C1	TOTAL SHEETS 25

604 MANHOLE ADJUSTMENT SUMMARY			
STATION	OFFSET		REMARKS
	LT.	RT.	
1+65	4'		Not found
4+85 4+61		6'-5"	
17+05		1'	
20+00 20+07	2' 0.2'		
22+07 22+06	2' 1'		
25+87 25+99	2' 0.7'		
35+15	6'		NOT FOUND
82+40		25'	
88+15		25'	
93+10	25'		
379+60	30'		

627 VALVE BOX ADJUSTMENT SUMMARY			
STATION	OFFSET		REMARKS
	LT.	RT.	
5+05	3'		
7+71	4'		
7+86	6'		
9+54	3'		
9+54		6'	
11+90		0'	
13+24		10'	
13+36	6'		Not adjusted - outside cold plane area
15+25		0'	

1+65 3
 5+39 3
 335+50 16' LT
 339+30 15' LT
 348+00 16' RT
 348+70 - 25' LT cluster of 3
 377+50 - 10' LT
 378+70 - 17' LT
 379+75 - 19' LT
 380+10 - 30' LT
 386+70 - 20' LT

642 MONUMENT CASE ADJUSTMENT SUMMARY				
NO.	STATION	OFFSET		REMARKS
		LT.	RT.	
K-5	57+21.5		14.9	
K-6	65+01.5		15.7	
K-7	73+12.8		14.6	
K-8	78+89.4	14.1		
K-9	101+52.1	14.3		
K-10	107+35.6	13.5		
K-11	113+91.0		15.6	
K-12	124+18.7		16.3	
K-13	148+95.5	14.9		
K-14	169+91.0	14.6		
K-15	179+00.5	13.3		
K-16	195+12.0		15.3	
K-17	203+66.7	14.6		
K-18	214+40.9	16.5		
K-19	231+09.2		14.3	
K-20	240+17.4	14.6		
K-21	247+73.0	13.1		
K-22	254+90.5	13.7		
K-23	262+03.5		16.0	
K-24	275+89.0	13.6		
K-25A	290+94.9	15.1		
K-25	302+02.7	12.3		
K-26	305+52.3		16.7	
K-27	319+47.4	15.2		
K-28	328+97.2		14.6	
K-29	346+13.9	17.6		
K-30	363+13.2		19.2	LOCATION APPROXIMATE. MAY BE IN OVERLAY
K-31	375+53.5		18.8	LOCATION APPROXIMATE. MAY BE IN OVERLAY

SURVEY CONTROL KLAWOCK RIVER BRIDGE						
ID	STATION	DISTANCE	LT.	RT.	NORTHING	EASTING
K-28	328+96.71	15.8		X	1356617.545	2803900.848
K-29	346+13.29	17.68	X		1358332.562	2804019.523

639 (3) DRIVEWAY				
STATION	OFFSET		REMARKS	
	LT.	RT.		
53+50		X	DRIVEWAY	UNPAVED
56+84		X	DRIVEWAY	
59+92	X		DRIVEWAY	PAVED
65+72	X		DRIVEWAY	
71+76		X	DRIVEWAY	Deleted - Driveway completed on non-stick project
76+70		X	DRIVEWAY	PAVED
123+75		X		
298+45	X		DRIVEWAY	PAVED
308+50	X		DRIVEWAY	
310+50	X		DRIVEWAY - Did not pave	
315+50		X	DRIVEWAY	
318+79	X		SEALASKA DOCK	PAVED
329+50		X	PAVE TO GATE	
335+33	X		DRIVEWAY	
335+33		X	DRIVEWAY	PAVED
343+41	X		BOAT RAMP	
344+47	X		DRIVEWAY	
346+70		X	DRIVEWAY	
347+40	X		DRIVEWAY	PAVED
350+00	X		DRIVEWAY	Did not pave on this project
351+10	X		DRIVEWAY	PAVED
351+70	X		DRIVEWAY	PAVED
352+20	X		DRIVEWAY	PAVED
352+70	X		DRIVEWAY	PAVED
353+00	X		DRIVEWAY	Did not pave on this project
353+75	X		DRIVEWAY	UNPAVED
354+60	X			PAVED
367+00		X		
367+50	X		DRIVEWAY	PAVED
369+00	X			PAVED
371+00	X		DRIVEWAY	UNPAVED
372+40	X		DRIVEWAY	UNPAVED
373+45	X		DRIVEWAY	UNPAVED
379+29		X	DRIVEWAY	PAVED
382+53	X		DRIVEWAY	PAVED

641 INLET PROTECTION			
STATION	OFFSET		REMARKS
	LT.	RT.	
0+49		18'	GUTTER INLET
1+04		14'	GUTTER INLET
2+58		18'	GUTTER INLET
3+00		18'	GUTTER INLET
3+46	14'		FIELD INLET
5+09		18'	GUTTER INLET
6+26		14'	GUTTER INLET
11+50		13'	GUTTER INLET
11+88	21'		FIELD INLET
13+07		18'	GUTTER INLET
13+08	21'		
15+50		13'	GUTTER INLET
17+92		12'	GUTTER INLET
20+49		12'	GUTTER INLET
27+30		12'	GUTTER INLET
28+90		14'	CURB INLET
32+05		14'	CURB INLET
35+40		14'	CURB INLET
339+16	20'		CURB INLET BRIDGE APPROACH
340+09	20'		GUTTER INLET KLAWOCK BRIDGE
340+92	20'		GUTTER INLET KLAWOCK BRIDGE
341+70	20'		GUTTER INLET KLAWOCK BRIDGE
342+55	20'		CURB INLET BRIDGE APPROACH

WATTLE SUMMARY KLAWOCK BRIDGE					
FROM STATION	TO STATION	WATTLE LENGTH	OFFSET LEFT	OFFSET RIGHT	REMARKS
73+20	73+60	80	X	X	CRAB CREEK
339+15	342+75	360	X	X	KLAWOCK RIVER BRIDGE

202 CULVERT REMOVAL SUMMARY		
STATION	LENGTH	REMARKS
76+45, RT	20'	
377+50	107'	
383+44	93'	
387+14	102'	

603 CULVERT SUMMARY			
STATION	LENGTH		REMARKS
	24" CPP	36" CPP	
"K" 377+50		107'	MATCH EXISTING LOCATION AND SLOPE
383+44.06	88' 6.0'		MATCH EXISTING LOCATION AND SLOPE
387+14.00	102' 7.0'		MATCH EXISTING LOCATION AND SLOPE

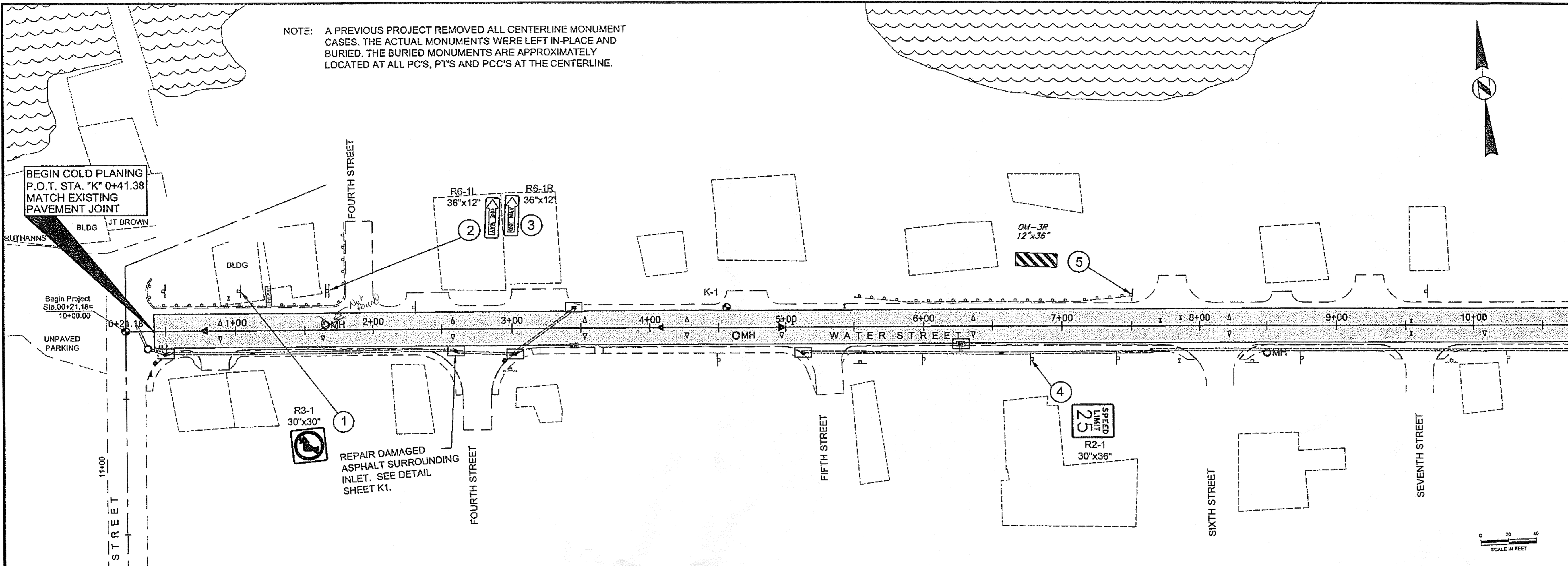
CO#1 44+50 RT 18" dia CPP X 50'
 CO#1 351+20 LT 18" dia CPP X 50'
 379+44 LT → 380+94 LT - install 24" X 150' LPP
 386+57 LT → 386+95 RT - install 24" X 60' LPP

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

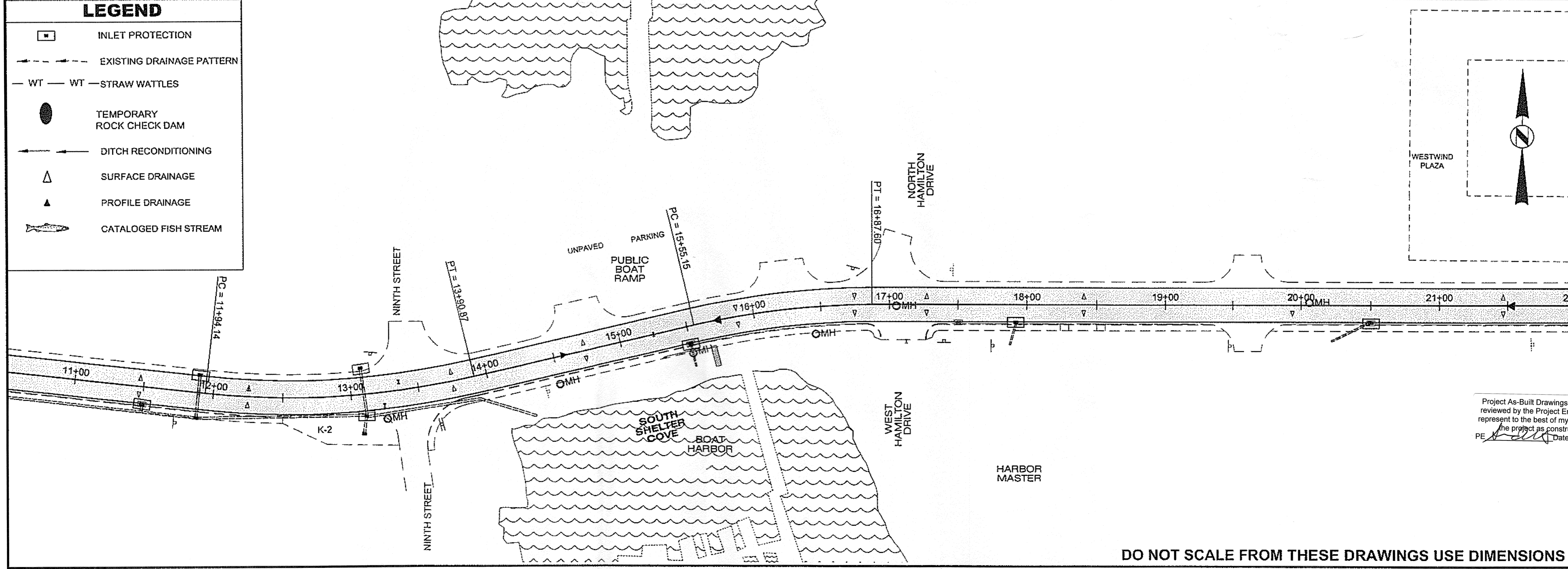
CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION
	CRAIG-KLAWOCK HIGHWAY RESURFACING PROJECT #68784
DESIGNED BY: D. WILLIAMS DRAWN BY: B. WILSON	SUMMARIES
PATH: Q:\POW\68784\PLANS\ETD-SUMMARIES.DWG TAB: D1 Friday, May 29, 2009 8:51:14 AM	PROJECT DESIGNATION: 68784 YEAR: 2009 SHEET NO: D1 TOTAL SHEETS: 25

NOTE: A PREVIOUS PROJECT REMOVED ALL CENTERLINE MONUMENT CASES. THE ACTUAL MONUMENTS WERE LEFT IN-PLACE AND BURIED. THE BURIED MONUMENTS ARE APPROXIMATELY LOCATED AT ALL PC'S, PT'S AND PCC'S AT THE CENTERLINE.

BEGIN COLD PLANING
P.O.T. STA. "K" 0+41.38
MATCH EXISTING
PAVEMENT JOINT



LEGEND	
	INLET PROTECTION
	EXISTING DRAINAGE PATTERN
	WT — WT — STRAW WATTLES
	TEMPORARY ROCK CHECK DAM
	DITCH RECONDITIONING
	SURFACE DRAINAGE
	PROFILE DRAINAGE
	CATALOGED FISH STREAM



PATH: Q:\POW\68784\PLANS\SETF-PLANS&PROFILE

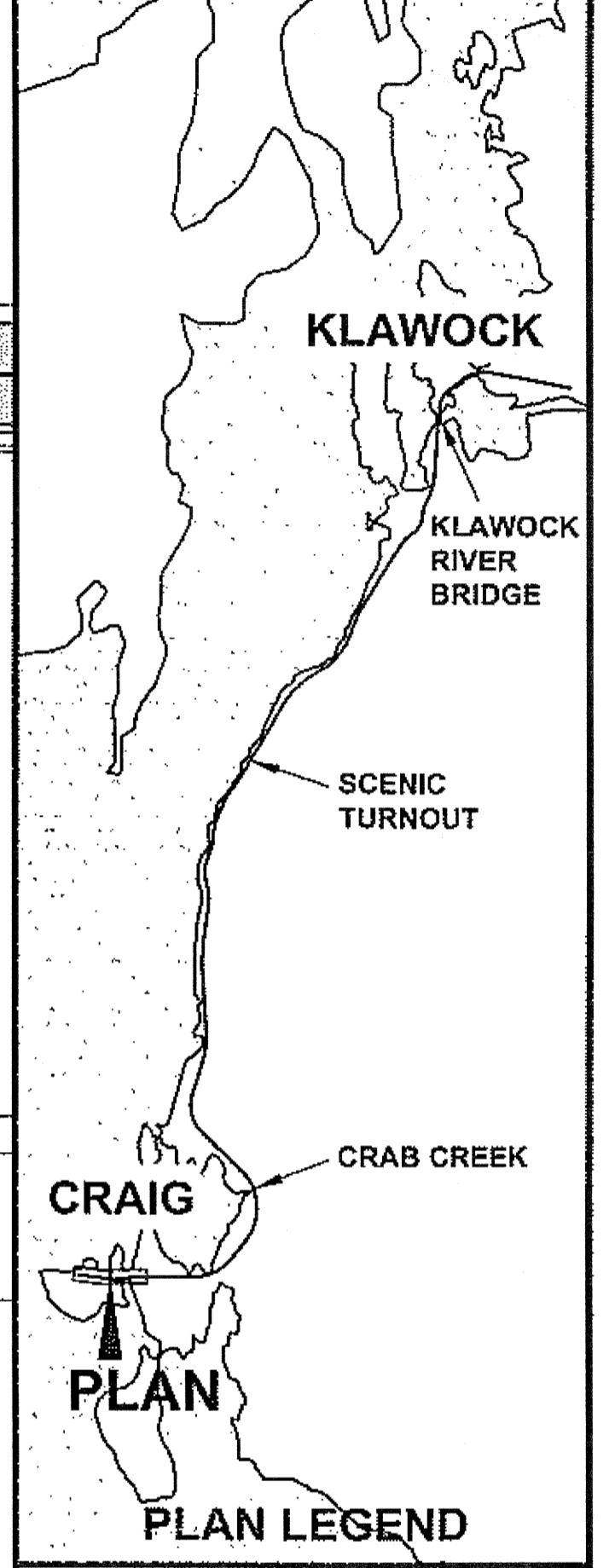
GRANTHAM, RICK L. (DOT)
TAB: F1 Friday, May 29, 2009 9:26:42 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD

STATE OF ALASKA
CHAD C. HOWARD
CE-10335
5-29-09

DESIGNED BY: D. WILLIAMS
DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

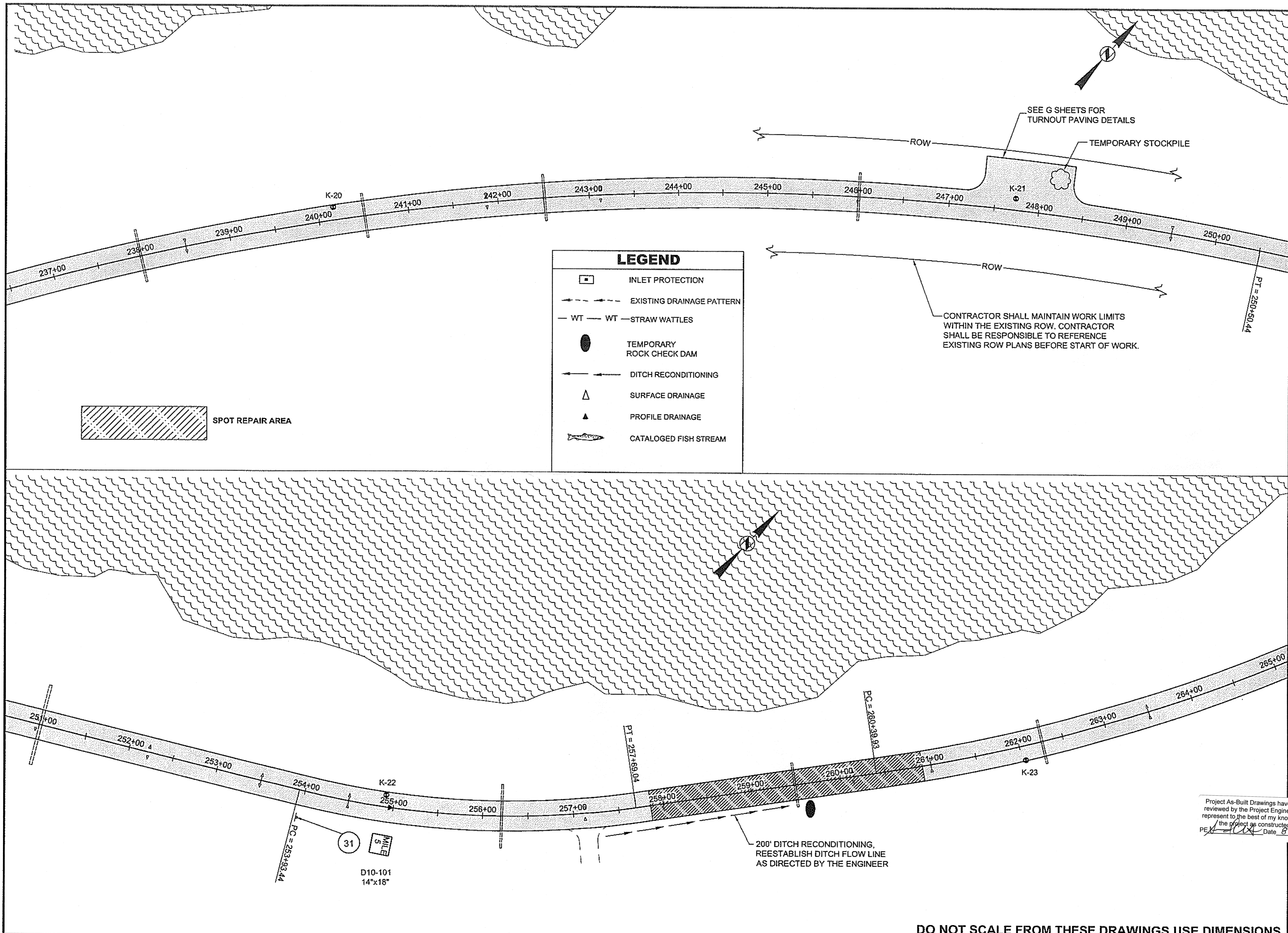
CRAIG-KLAWOCK
HIGHWAY RESURFACING
PROJECT #68784

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 8-15-11

PLAN

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F1	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



LEGEND	
	INLET PROTECTION
	EXISTING DRAINAGE PATTERN
	WT — WT — STRAW WATTLES
	TEMPORARY ROCK CHECK DAM
	DITCH RECONDITIONING
	SURFACE DRAINAGE
	PROFILE DRAINAGE
	CATALOGED FISH STREAM

PATH: Q:\POW68784\PLANS\ETIF-PLANS&PROFILE

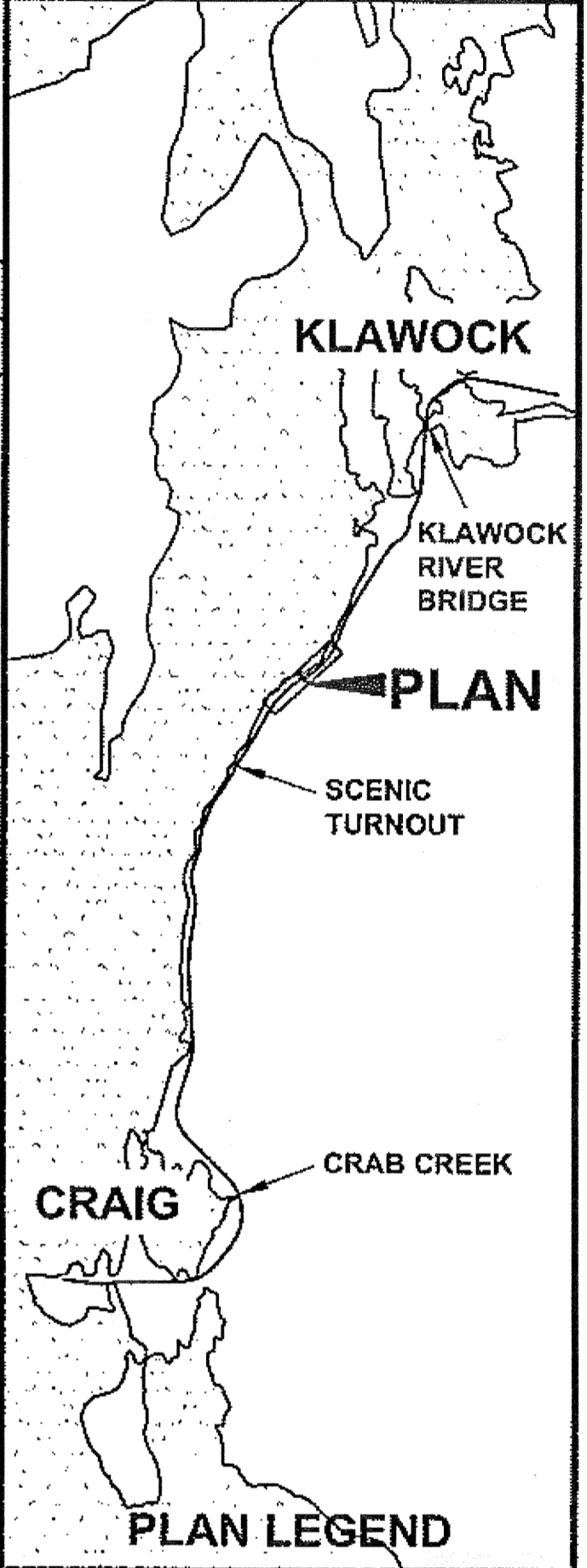
GRANTHAM, RICK L (DOT)
 TAB: F10 Friday, May 29, 2009 10:00:10 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS

DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

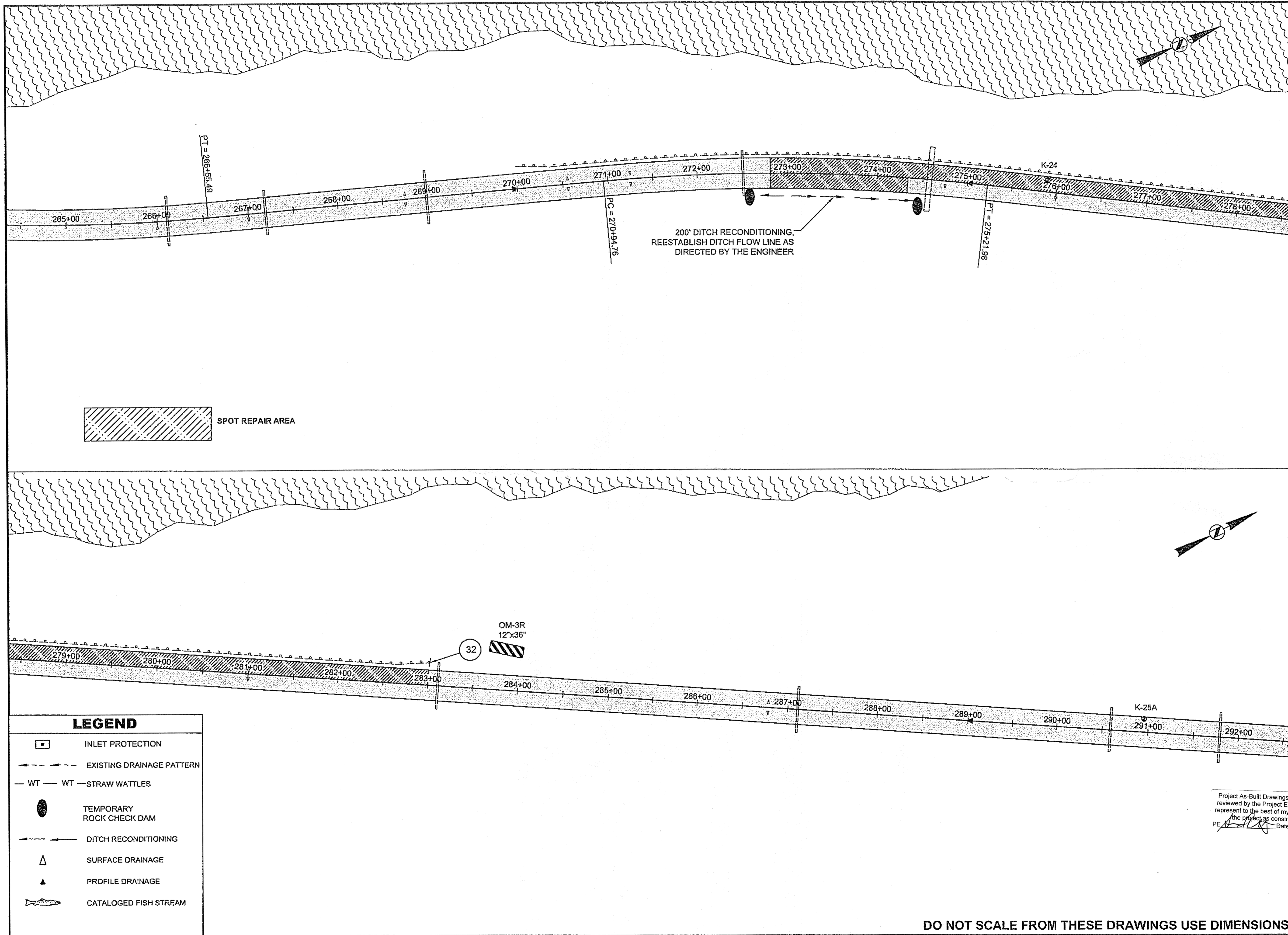
CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PEX: [Signature] Date: 6-15-11

5-29-09

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F10	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\POW\68784\PLANSET\F-PLANS&PROFILE

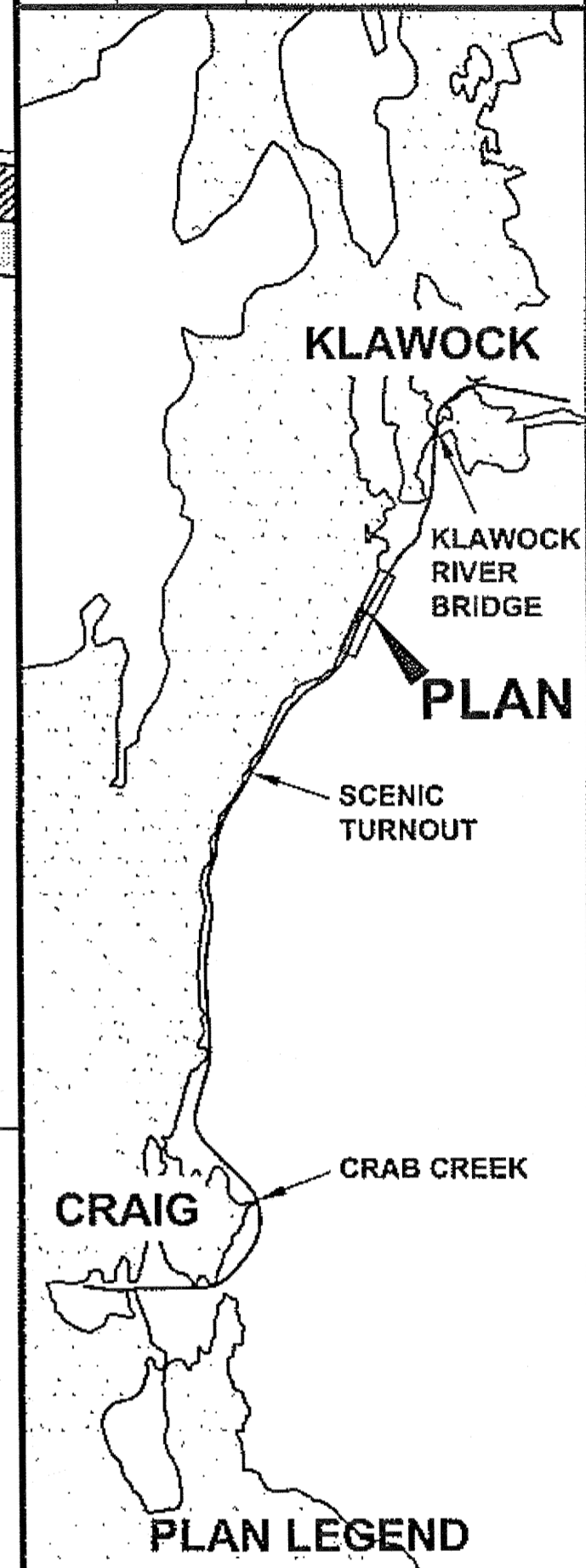
GRANTHAM, RICK L (DOT)
 TAB: F11 Friday, May 29, 2009 9:29:59 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS

DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG - KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

Professional Engineer Seal for Chad J. Howard, CE-10835, dated 5-29-09.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 8-15-11

LEGEND

	INLET PROTECTION
	EXISTING DRAINAGE PATTERN
	WT - STRAW WATTLES
	TEMPORARY ROCK CHECK DAM
	DITCH RECONDITIONING
	SURFACE DRAINAGE
	PROFILE DRAINAGE
	CATALOGED FISH STREAM

DESIGNED BY: D. WILLIAMS

DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG - KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

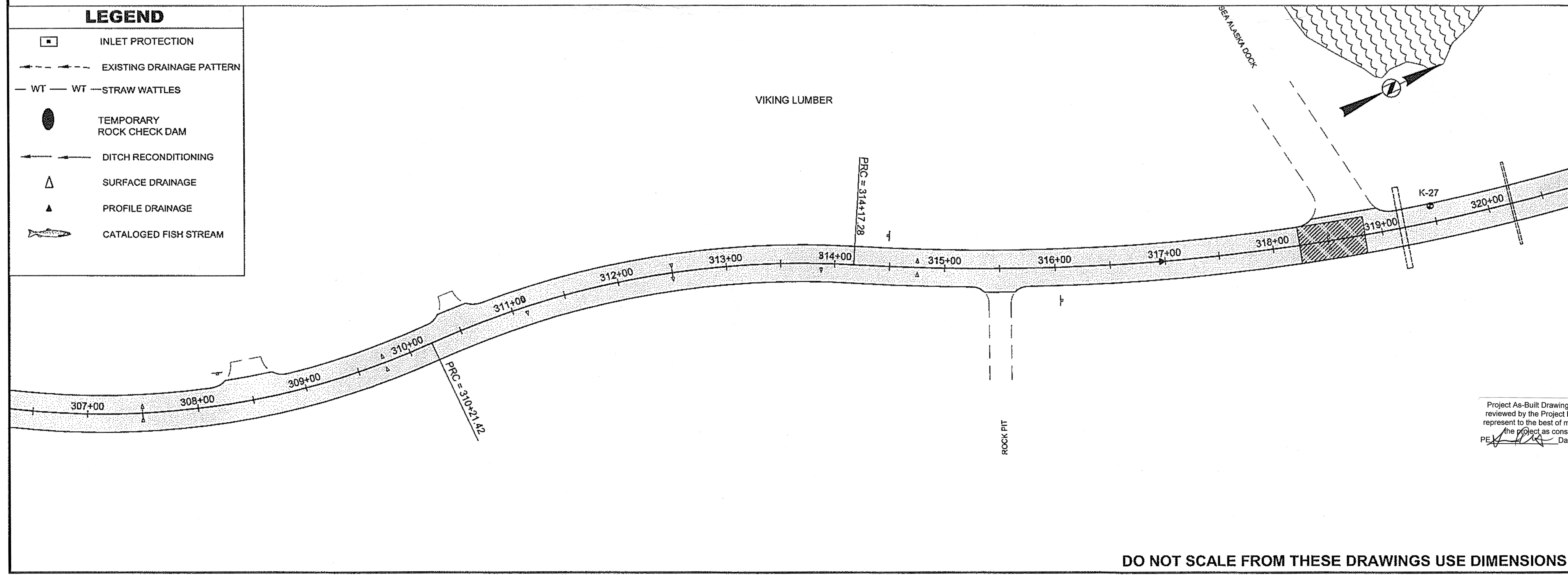
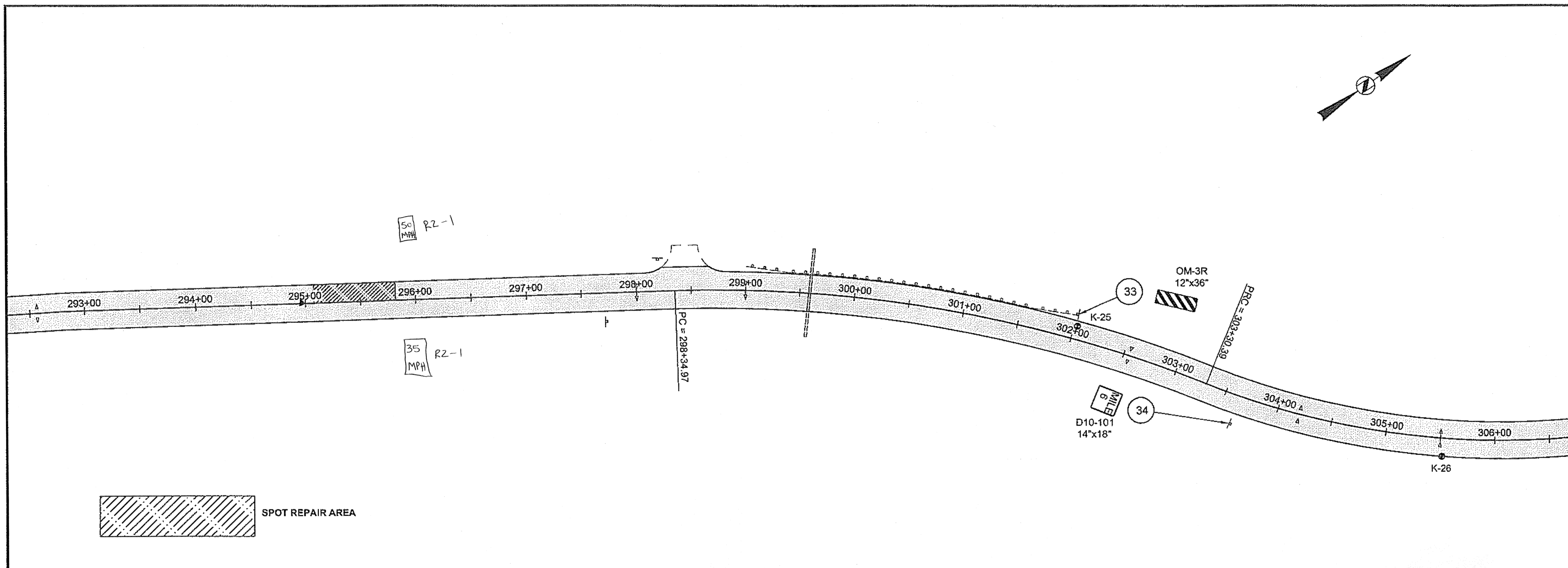
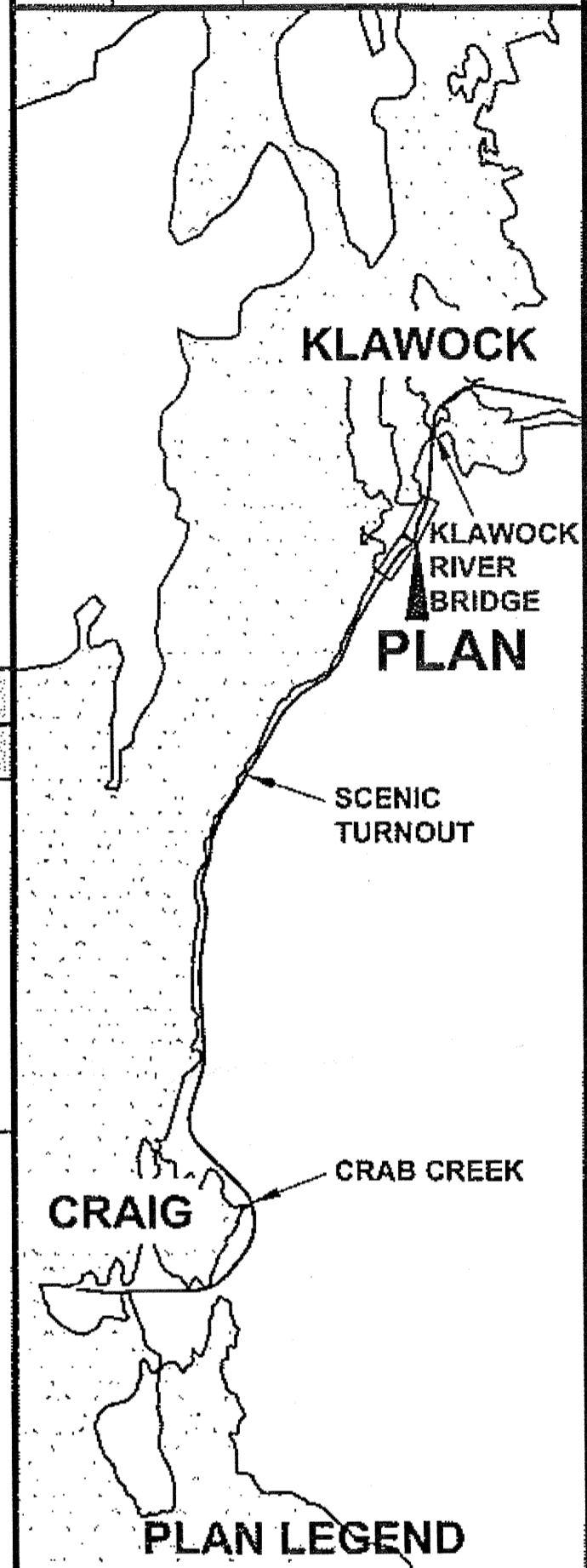
PLAN

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F11	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GRANTHAM, RICK L (DOT)
 TAB: F12 Friday, May 29, 2009 9:30:21 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



LEGEND

	INLET PROTECTION
	EXISTING DRAINAGE PATTERN
	STRAW WATTLES
	TEMPORARY ROCK CHECK DAM
	DITCH RECONDITIONING
	SURFACE DRAINAGE
	PROFILE DRAINAGE
	CATALOGED FISH STREAM

CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

**CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784**

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date: 8-25-11

PLAN

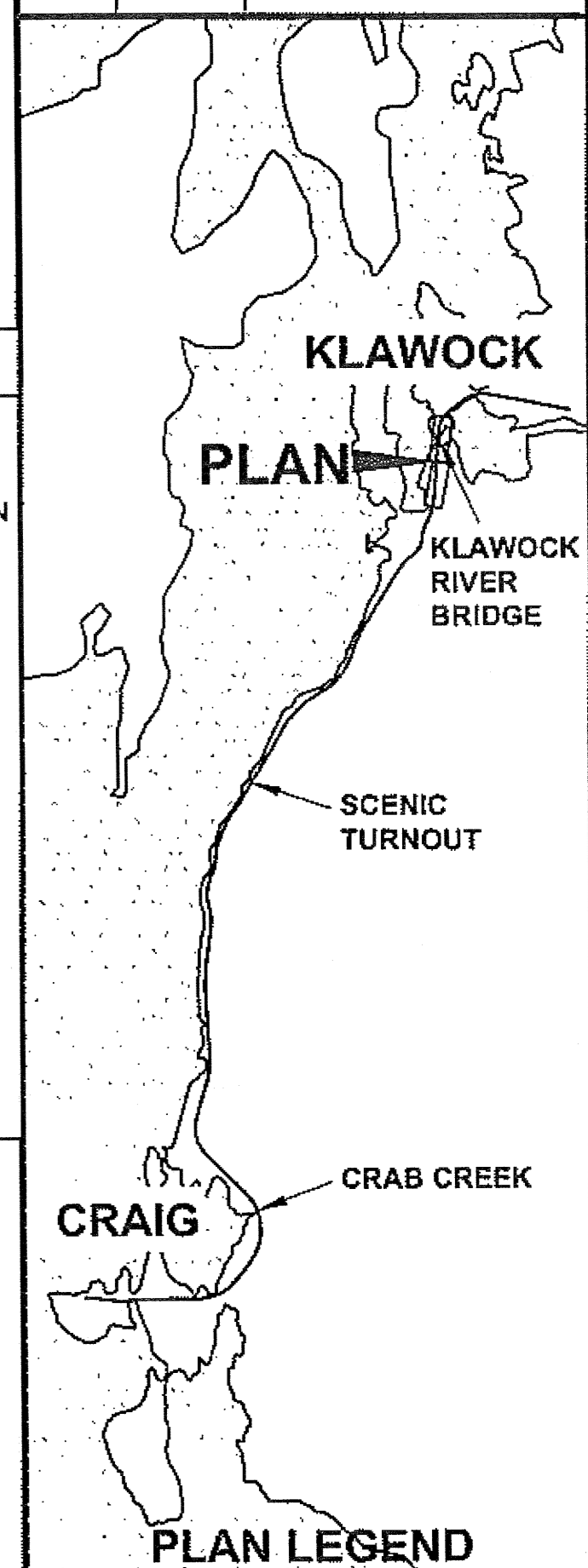
PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F12	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

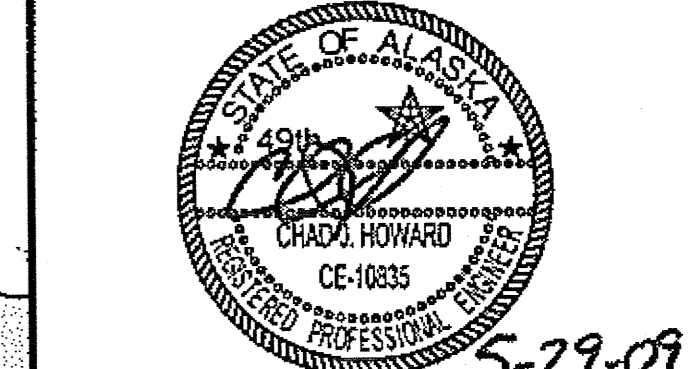
GRANTHAM, RICK L (DOT)
 TAB: F13 Friday, May 29, 2009 11:21:48 AM

ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD



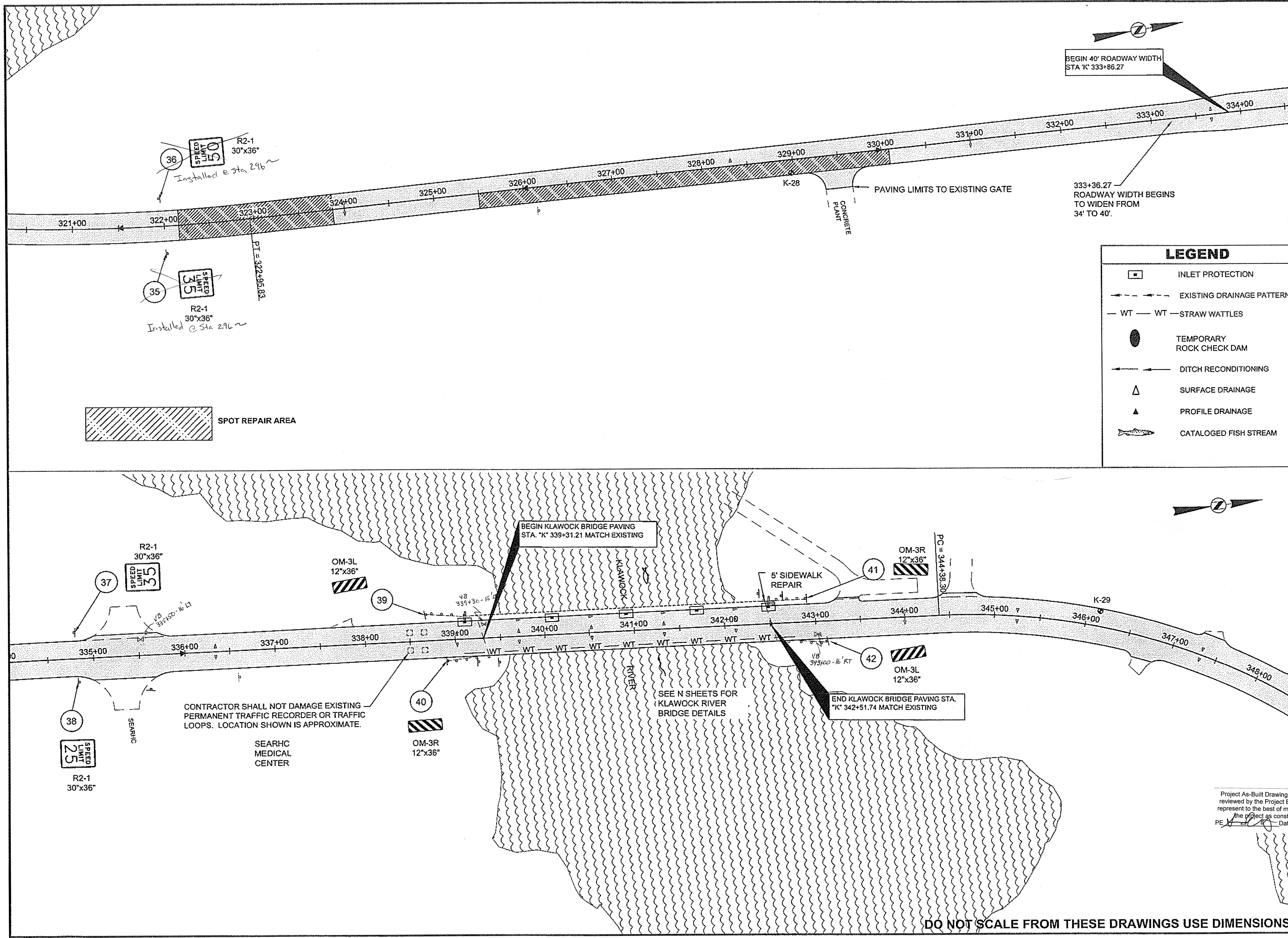
DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: [Signature] Date: 5-25-11

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F13	25



LEGEND

- INLET PROTECTION
- EXISTING DRAINAGE PATTERN
- WT — WT — STRAW WATTLES
- TEMPORARY ROCK CHECK DAM
- DITCH RECONDITIONING
- SURFACE DRAINAGE
- PROFILE DRAINAGE
- CATALOGED FISH STREAM

SPOT REPAIR AREA

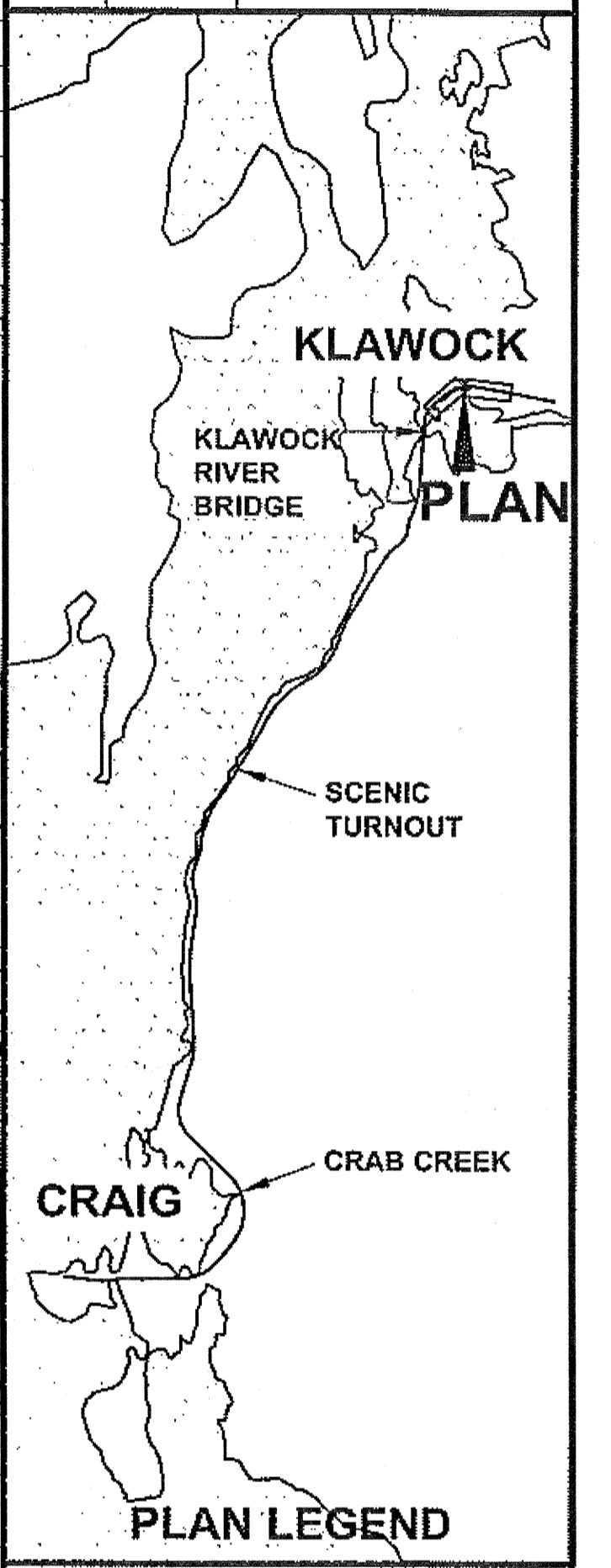
CONTRACTOR SHALL NOT DAMAGE EXISTING PERMANENT TRAFFIC RECORDER OR TRAFFIC LOOPS. LOCATION SHOWN IS APPROXIMATE.

SEARHC MEDICAL CENTER

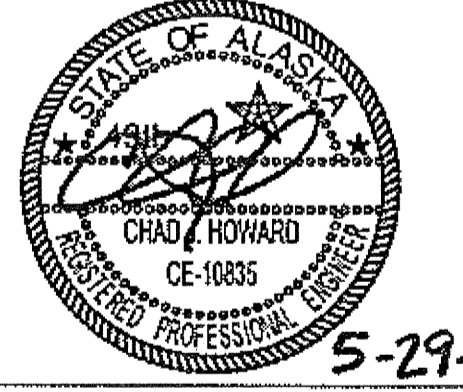
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GRANTHAM, RICK L (DOT)
 TAB: F14 Friday, May 29, 2009 10:47:00 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD



DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

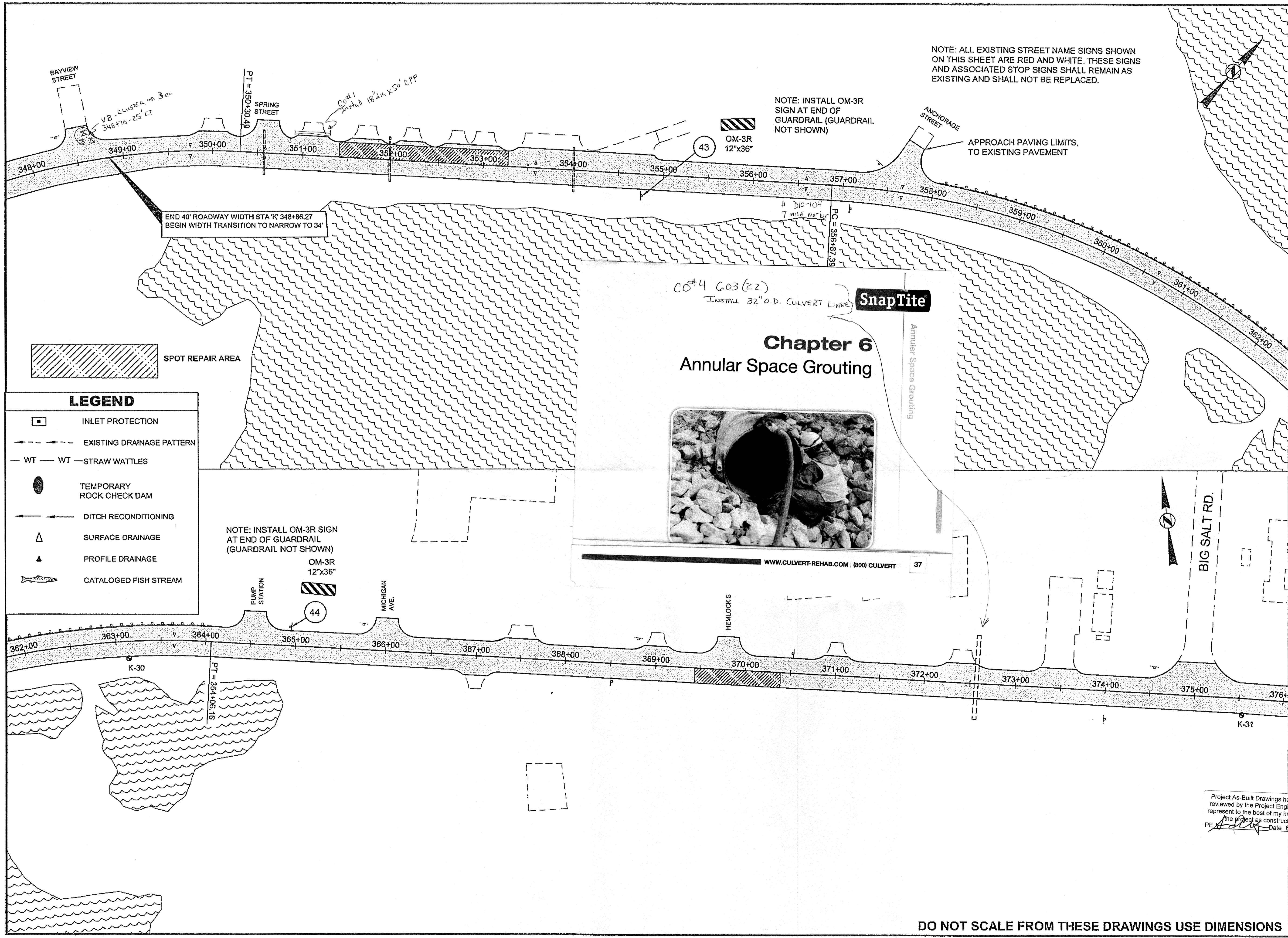
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION
 CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: [Signature] Date: 8-15-11

PLAN

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F14	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



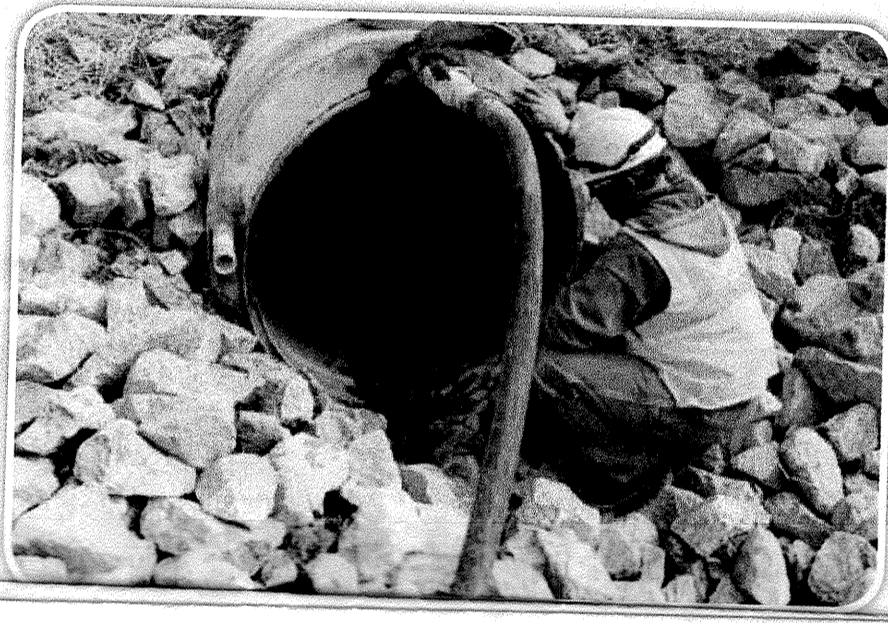
LEGEND

- INLET PROTECTION
- EXISTING DRAINAGE PATTERN
- WT - STRAW WATTLES
- TEMPORARY ROCK CHECK DAM
- DITCH RECONDITIONING
- SURFACE DRAINAGE
- PROFILE DRAINAGE
- CATALOGED FISH STREAM

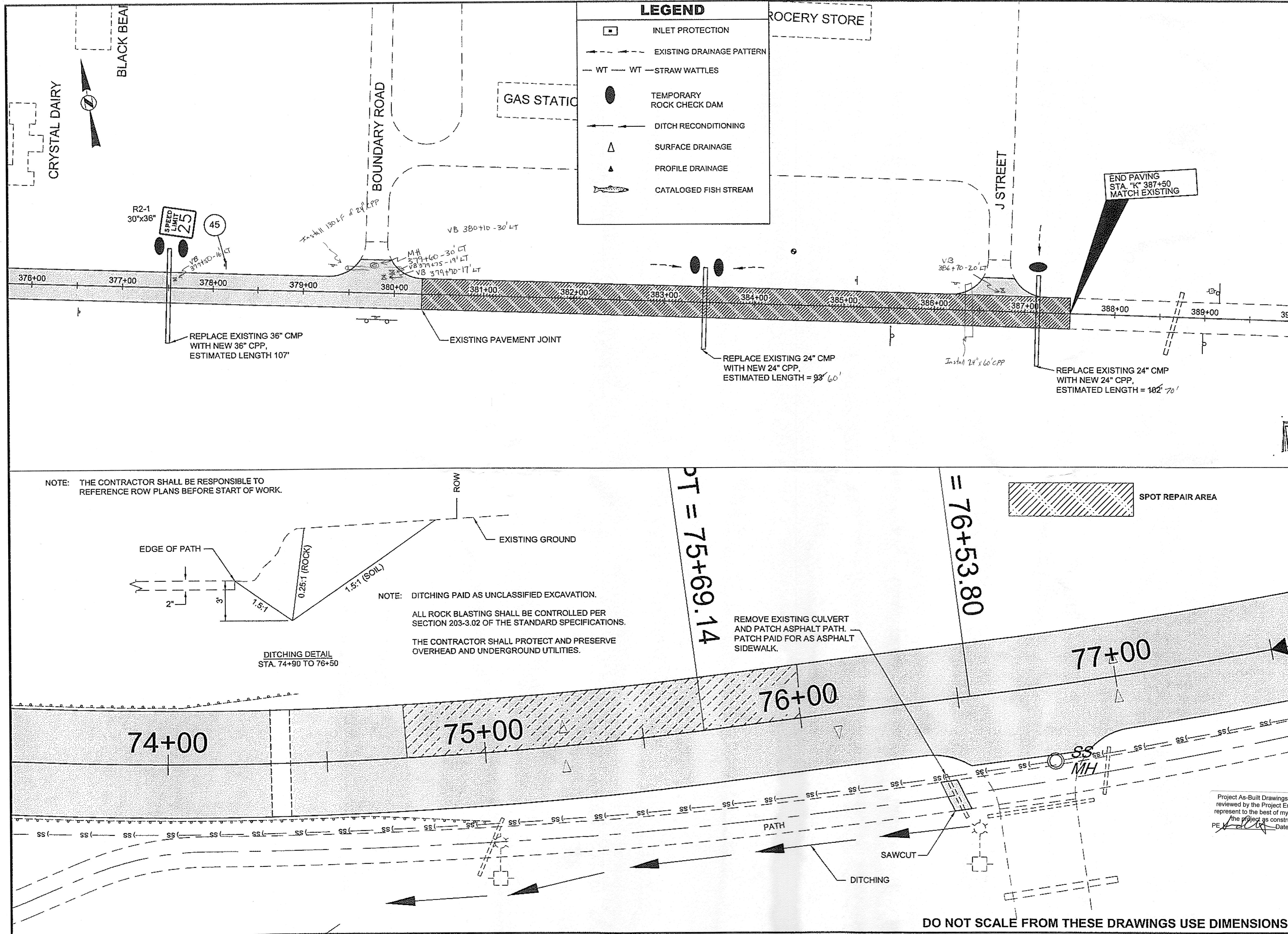
END 40' ROADWAY WIDTH STA 'K' 348+86.27
 BEGIN WIDTH TRANSITION TO NARROW TO 34'

NOTE: INSTALL OM-3R SIGN
 AT END OF GUARDRAIL
 (GUARDRAIL NOT SHOWN)

CO#4 G03(22)
 INSTALL 32" O.D. CULVERT LINE
SnapTite



WWW.CULVERT-REHAB.COM | (800) CULVERT 37



PATH: Q:\POW68784\PLANS\SETF-PLANS&PROFILE

GRANTHAM, RICK L (DOT)
TAB: F15 Friday, May 29, 2009 10:36:23 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN LEGEND

CRAIG

KLAWOCK

KLAWOCK RIVER BRIDGE

SCENIC TURNOUT

CRAB CREEK

CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

CRAIG-KLAWOCK
HIGHWAY RESURFACING
PROJECT #68784

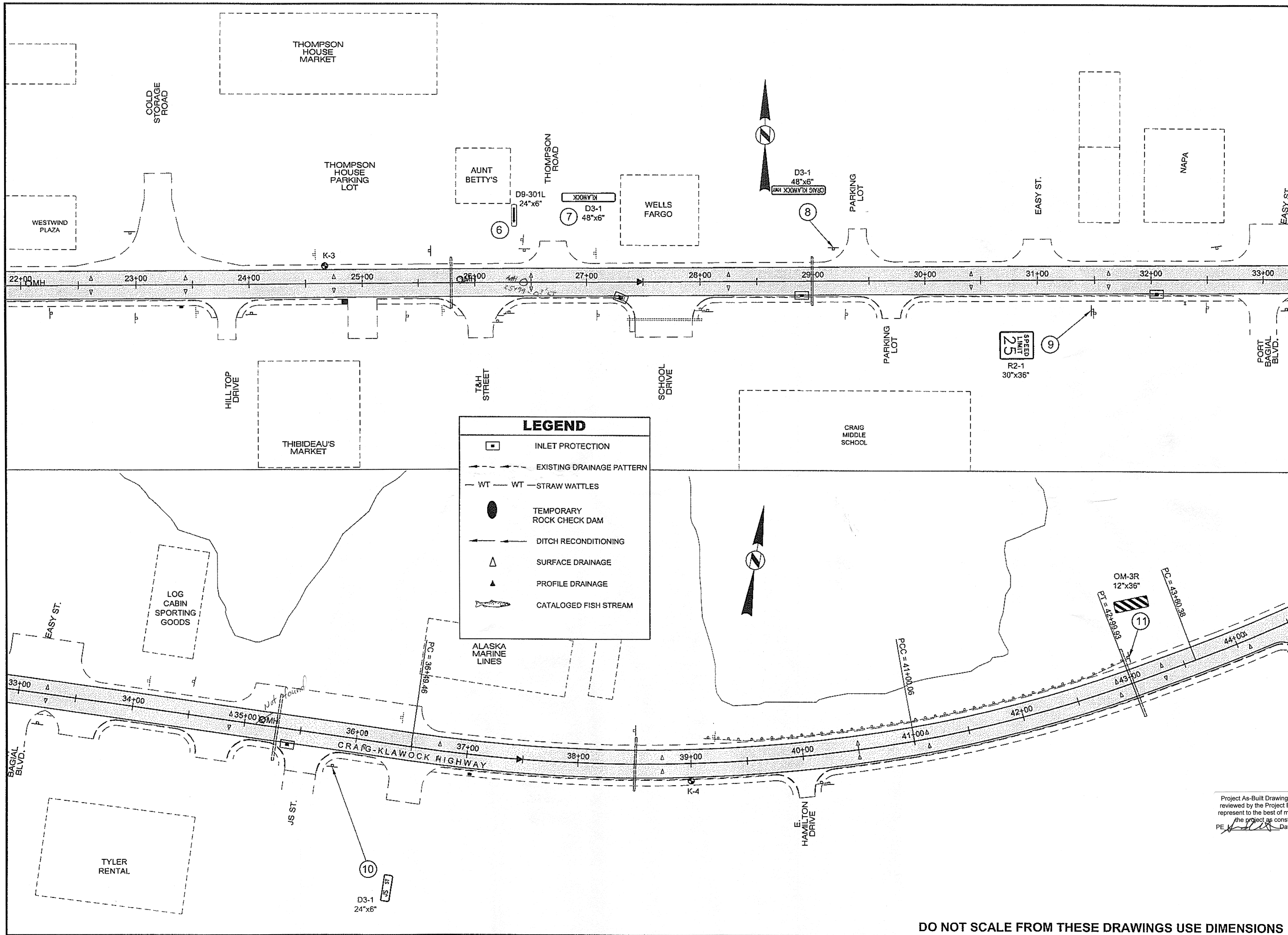
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 8-15-11

PLAN

PROJECT DESIGNATION
68784

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F15	25



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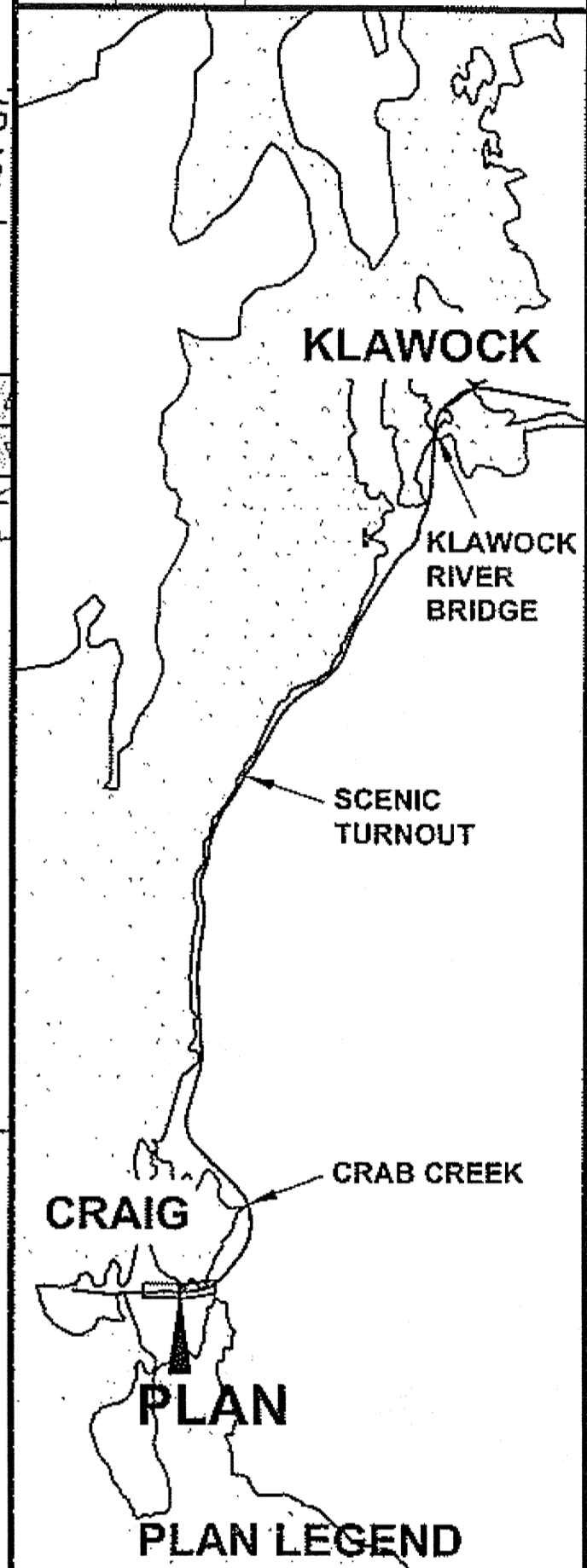
GRANTHAM, RICK L (DOT)
 TAB: F2 Friday, May 29, 2009 9:26:59 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



LEGEND

	INLET PROTECTION
	EXISTING DRAINAGE PATTERN
	WT - STRAW WATTLES
	TEMPORARY ROCK CHECK DAM
	DITCH RECONDITIONING
	SURFACE DRAINAGE
	PROFILE DRAINAGE
	CATALOGED FISH STREAM

CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG-KLAWOCK HIGHWAY RESURFACING PROJECT #68784

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date: 8-15-11

PLAN

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F2	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

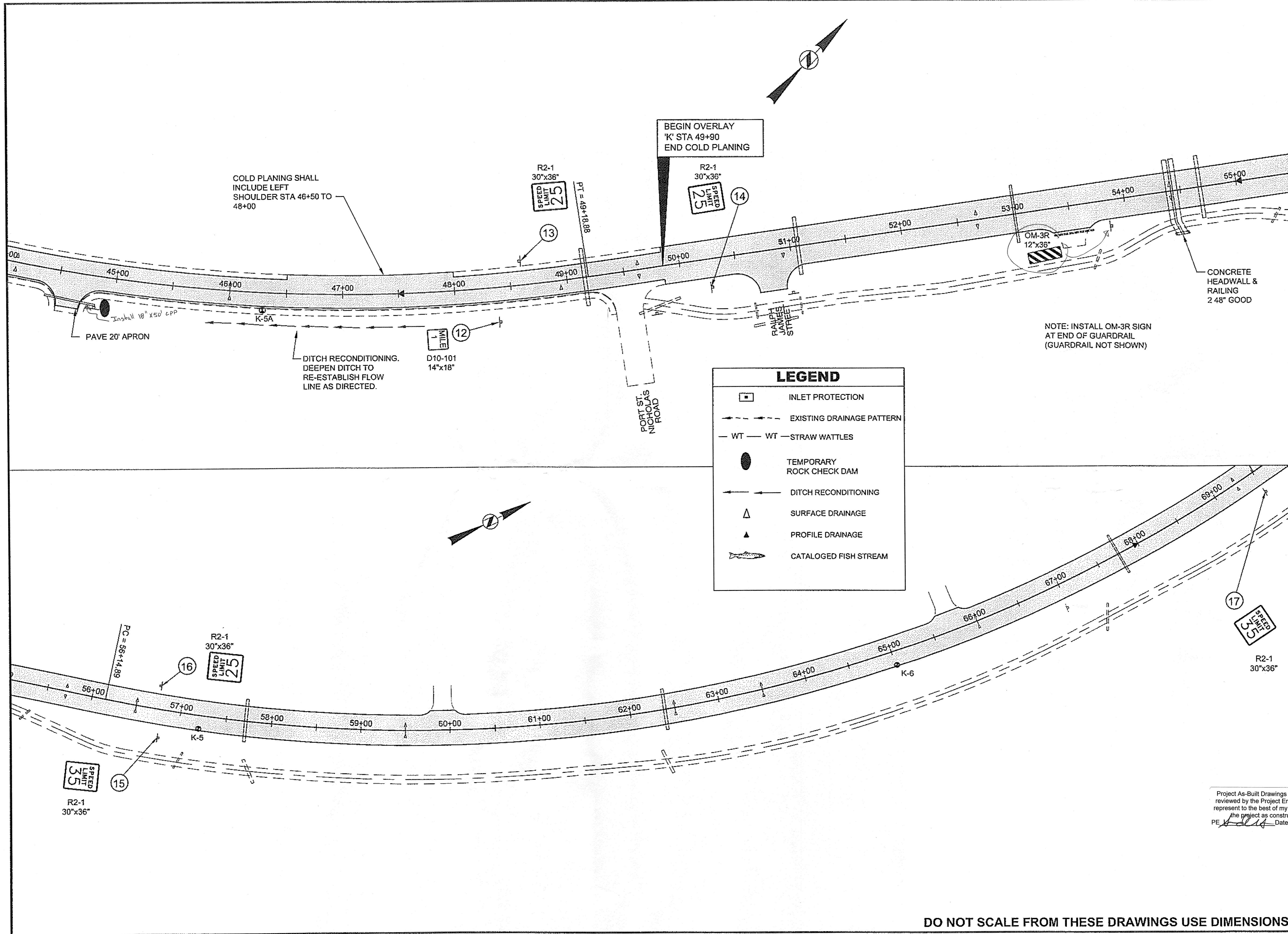
GRANTHAM, RICK L (DOT)
 TAB: F3 Friday, May 29, 2009 9:27:22 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

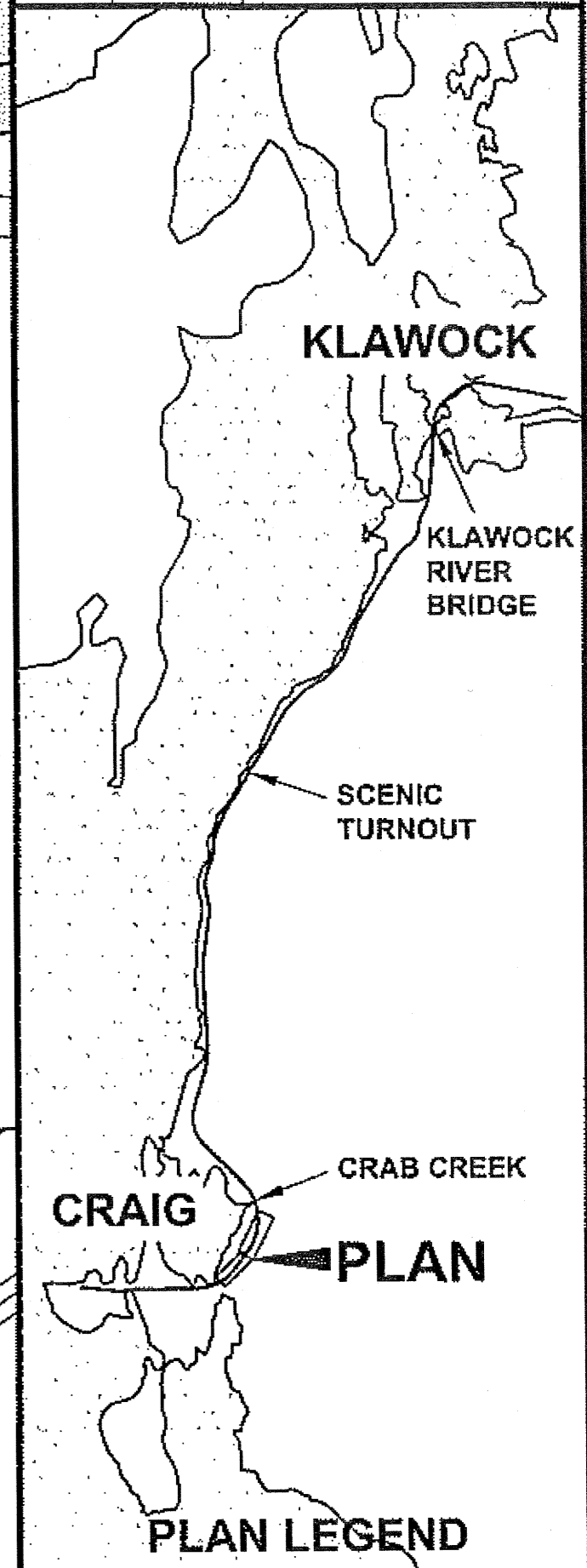
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



LEGEND

- INLET PROTECTION
- EXISTING DRAINAGE PATTERN
- WT — WT — STRAW WATTLES
- TEMPORARY ROCK CHECK DAM
- DITCH RECONDITIONING
- SURFACE DRAINAGE
- PROFILE DRAINAGE
- CATALOGED FISH STREAM



CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION
 CRAIG-KLAOWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

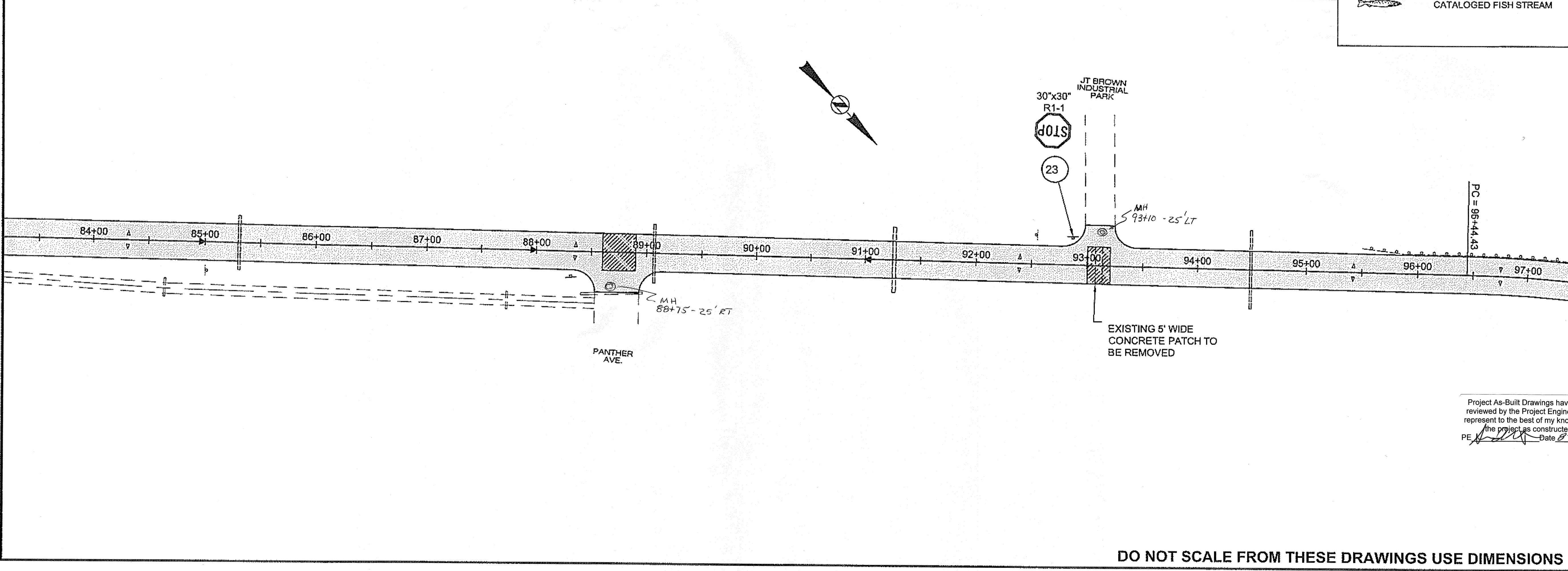
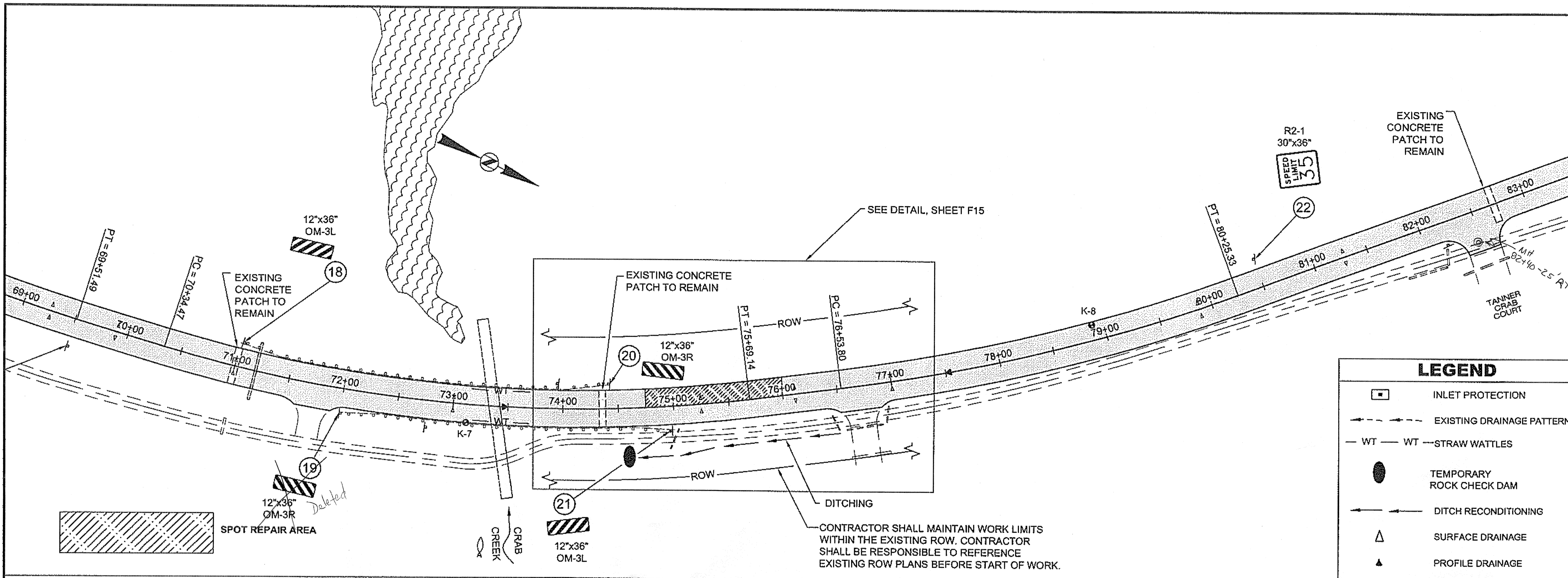
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 8-15-11

PLAN

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F3	25

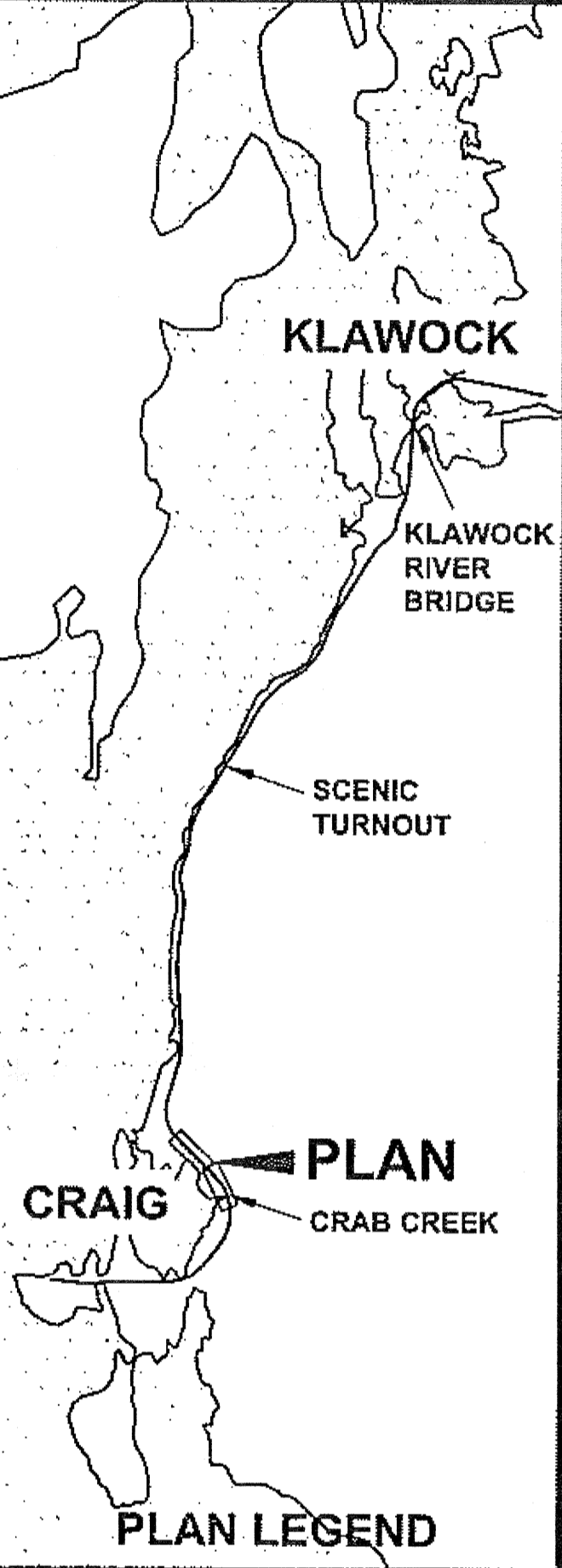
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

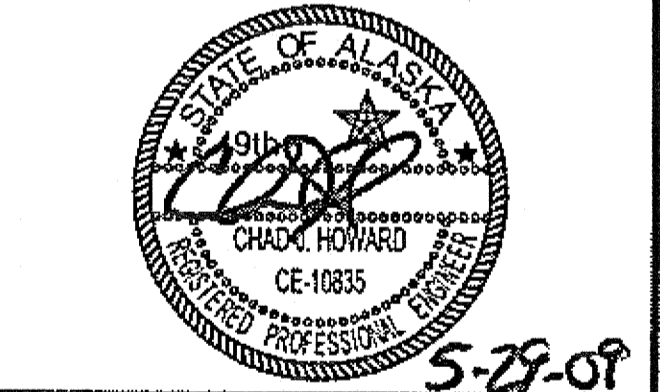


LEGEND

- INLET PROTECTION
- EXISTING DRAINAGE PATTERN
- WT — WT — STRAW WATTLES
- TEMPORARY ROCK CHECK DAM
- DITCH RECONDITIONING
- SURFACE DRAINAGE
- PROFILE DRAINAGE
- CATALOGED FISH STREAM



CHECKED BY: C. HOWARD



DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION
**CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784**

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: [Signature] Date: 8-15-11

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F4	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CONTRACTOR SHALL MAINTAIN WORK LIMITS WITHIN THE EXISTING ROW. CONTRACTOR SHALL BE RESPONSIBLE TO REFERENCE EXISTING ROW PLANS BEFORE START OF WORK.

SEE DETAIL, SHEET F15

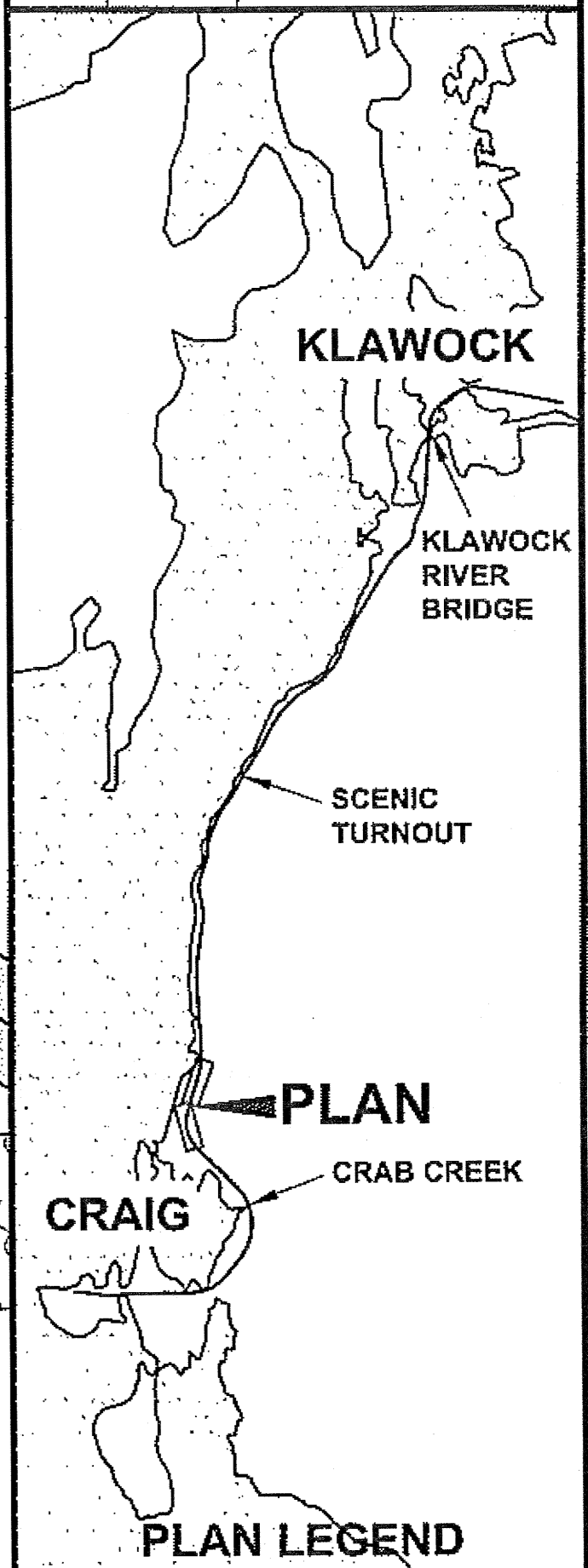
GRANTHAM, RICK L (DOT)
 TAB: F5 Friday, May 29, 2009 9:28:14 AM

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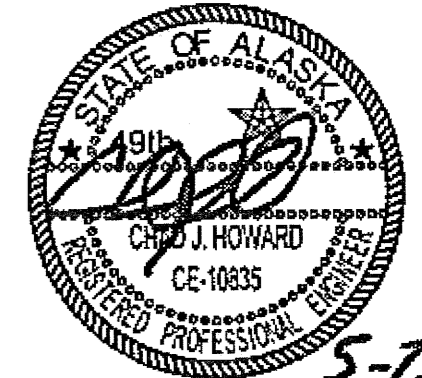
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD



DESIGNED BY: D. WILLIAMS

DRAWN BY: B. WILSON

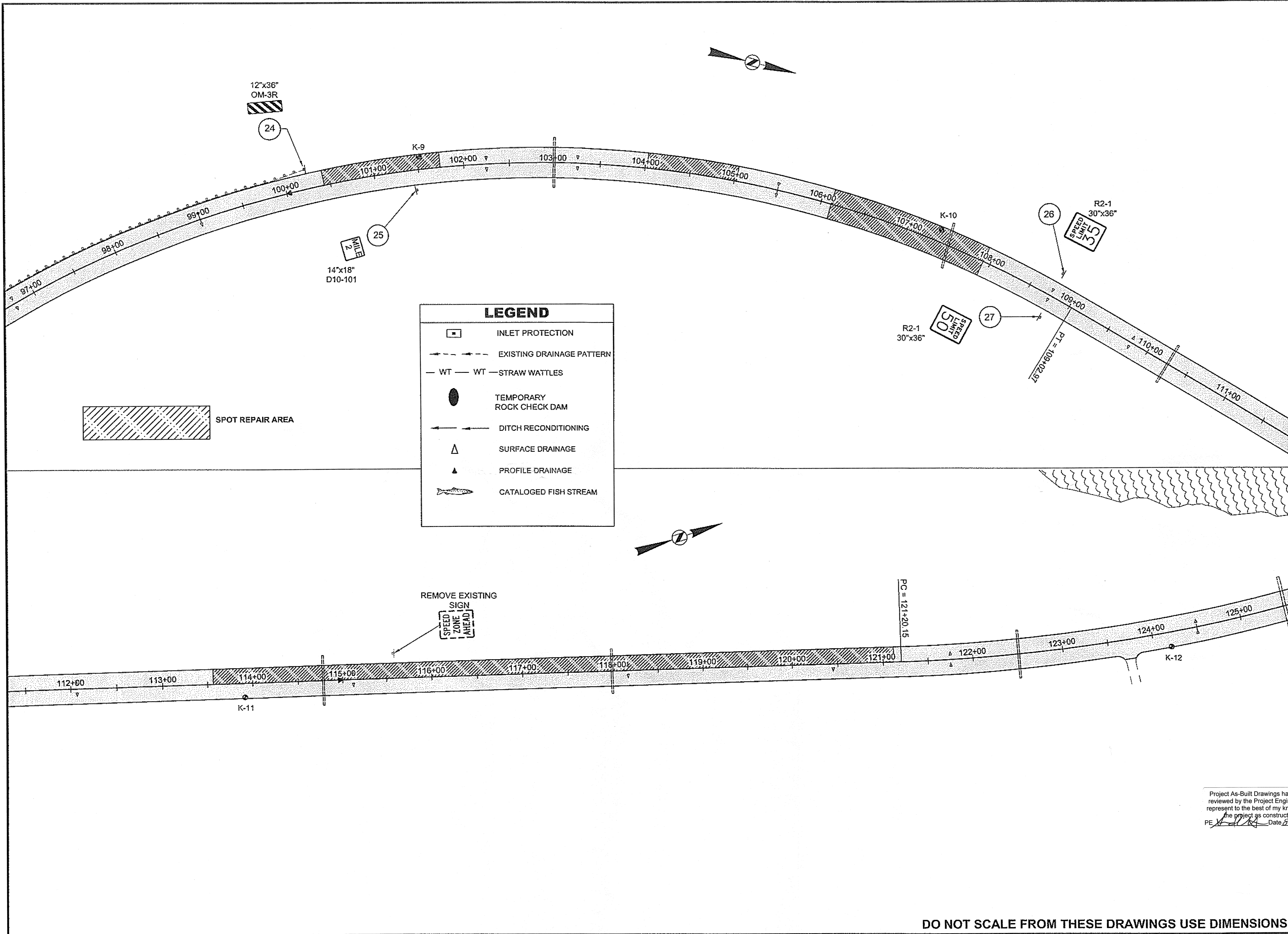
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 5/26/09

PLAN

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F5	25



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

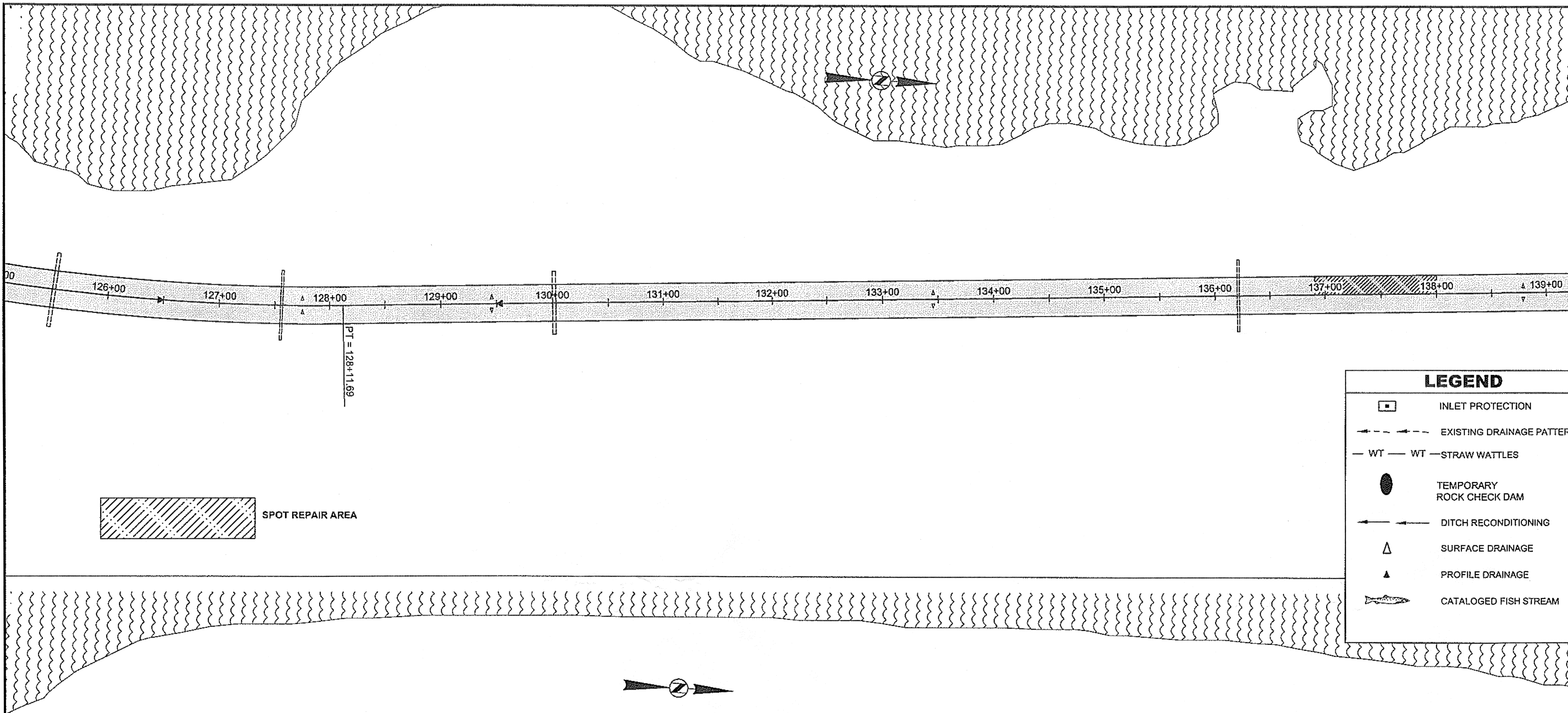
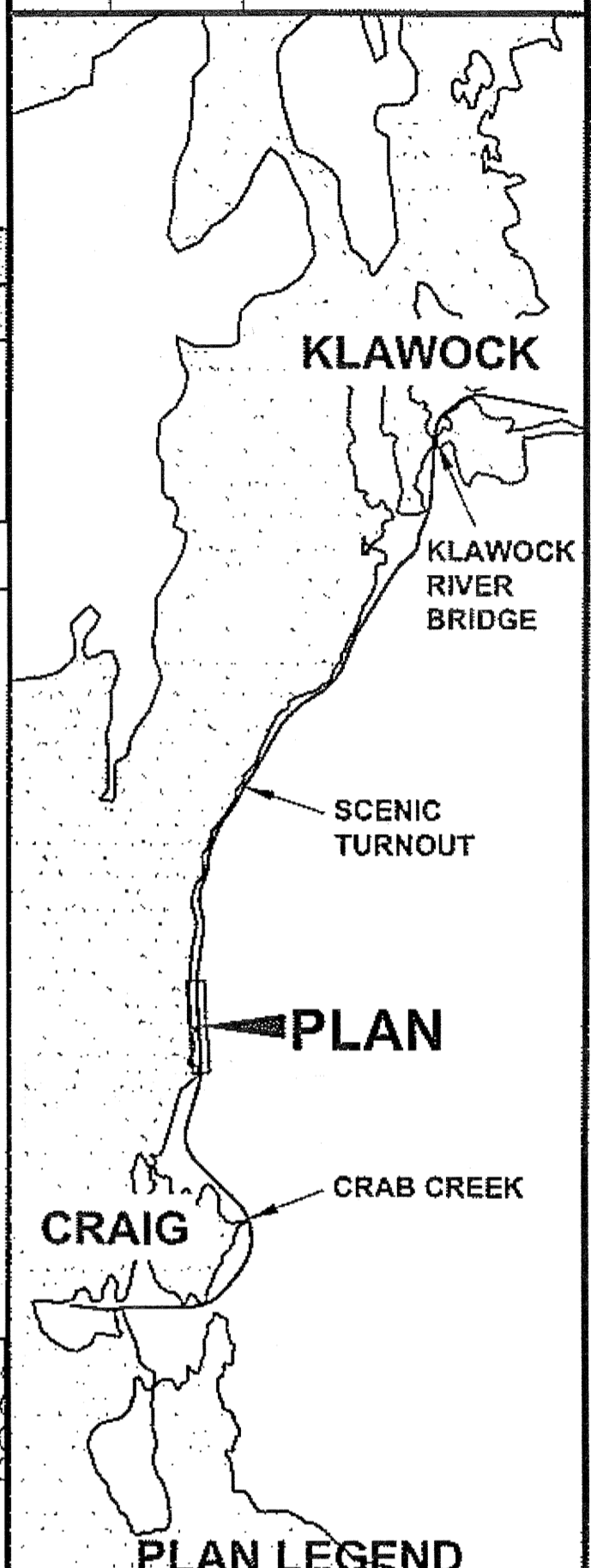
GRANTHAM, RICK L (DOT)
 TAB: F6 Friday, May 29, 2009 9:28:32 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

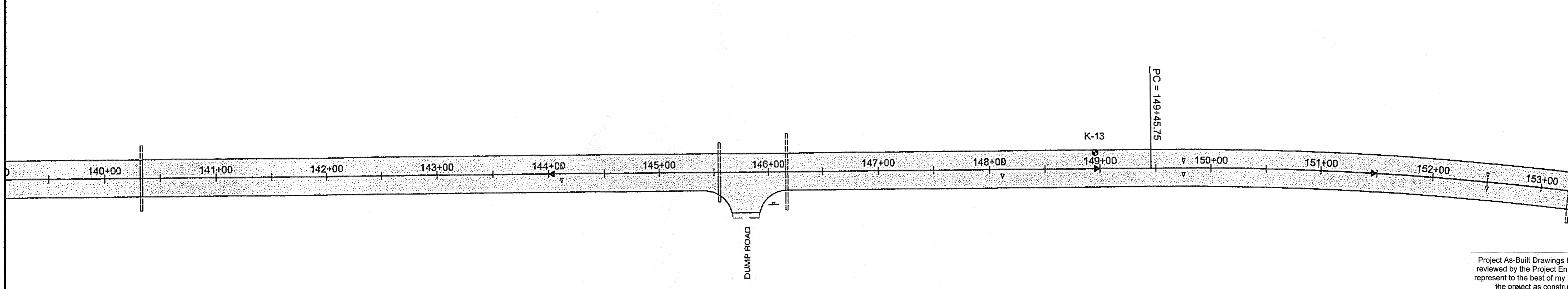
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

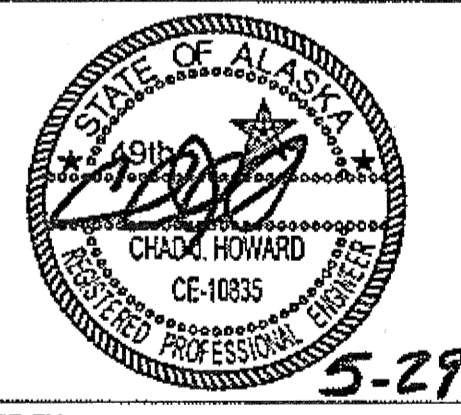


LEGEND

- INLET PROTECTION
- EXISTING DRAINAGE PATTERN
- WT — WT — STRAW WATTLES
- TEMPORARY ROCK CHECK DAM
- DITCH RECONDITIONING
- SURFACE DRAINAGE
- PROFILE DRAINAGE
- CATALOGED FISH STREAM



CHECKED BY: C. HOWARD



DESIGNED BY: D. WILLIAMS

DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 8-15-11

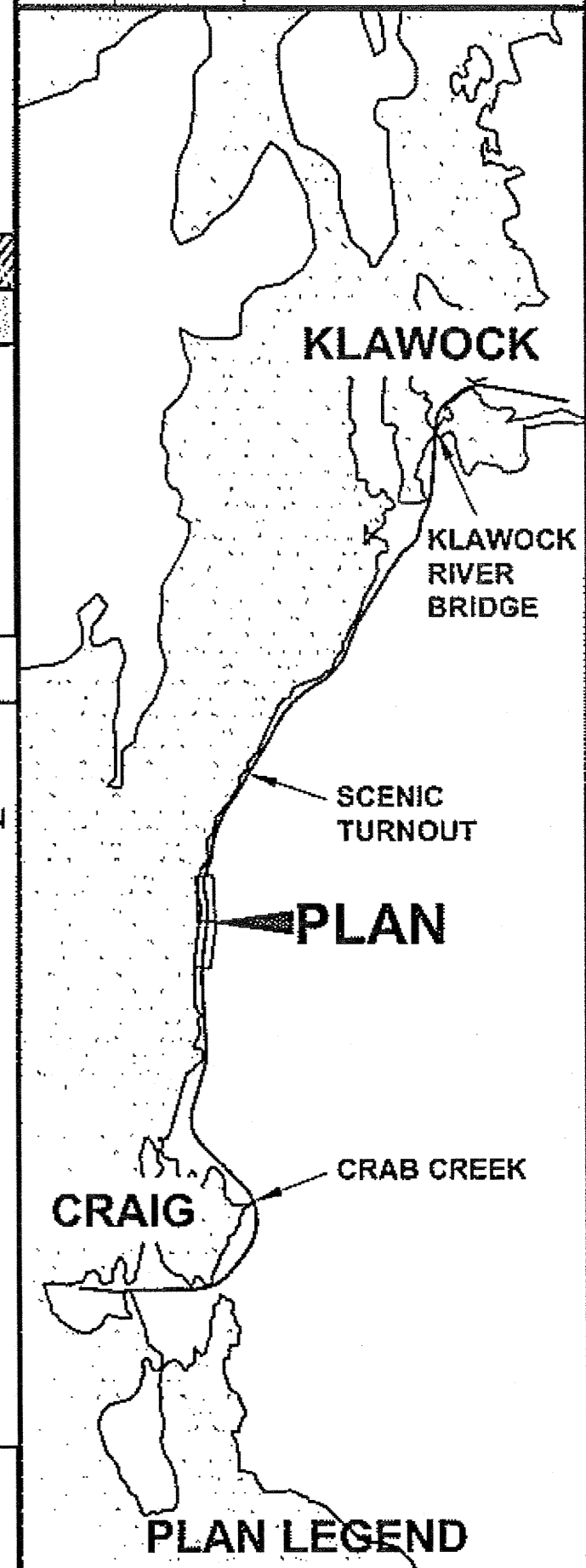
PLAN

PROJECT DESIGNATION:	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F6	25

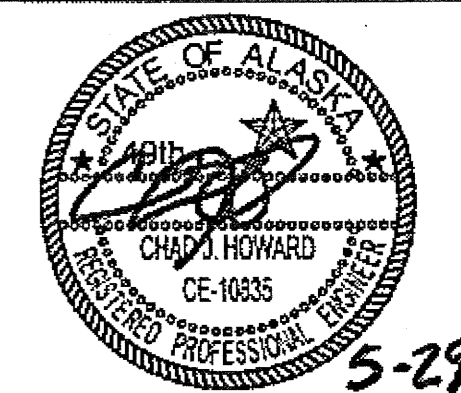
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GRANTHAM, RICK L (DOT)
 TAB: F7 Friday, May 29, 2009 9:28:49 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD

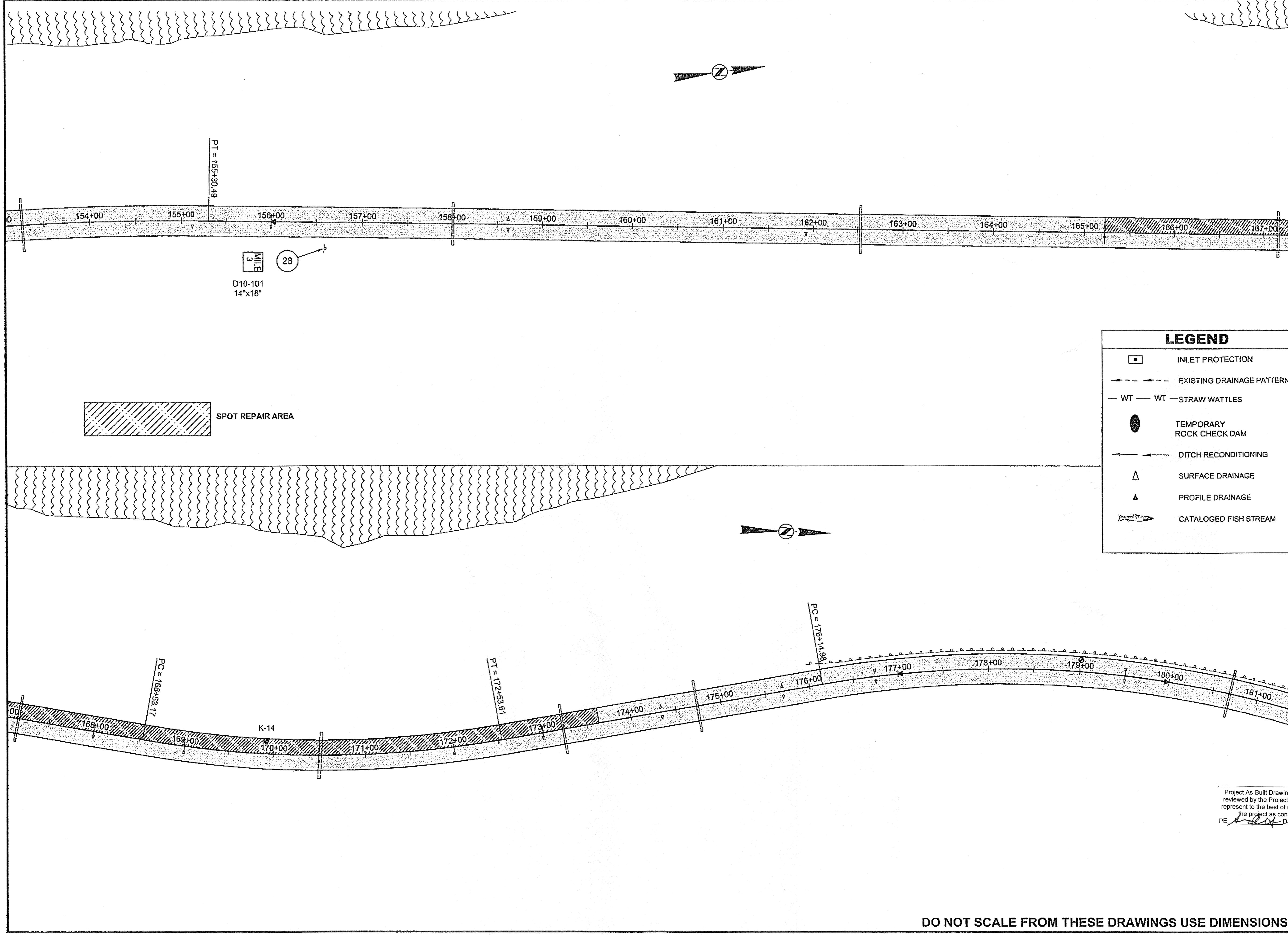


DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION
**CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784**








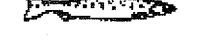
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 5-15-11

PLAN	
PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F7	25

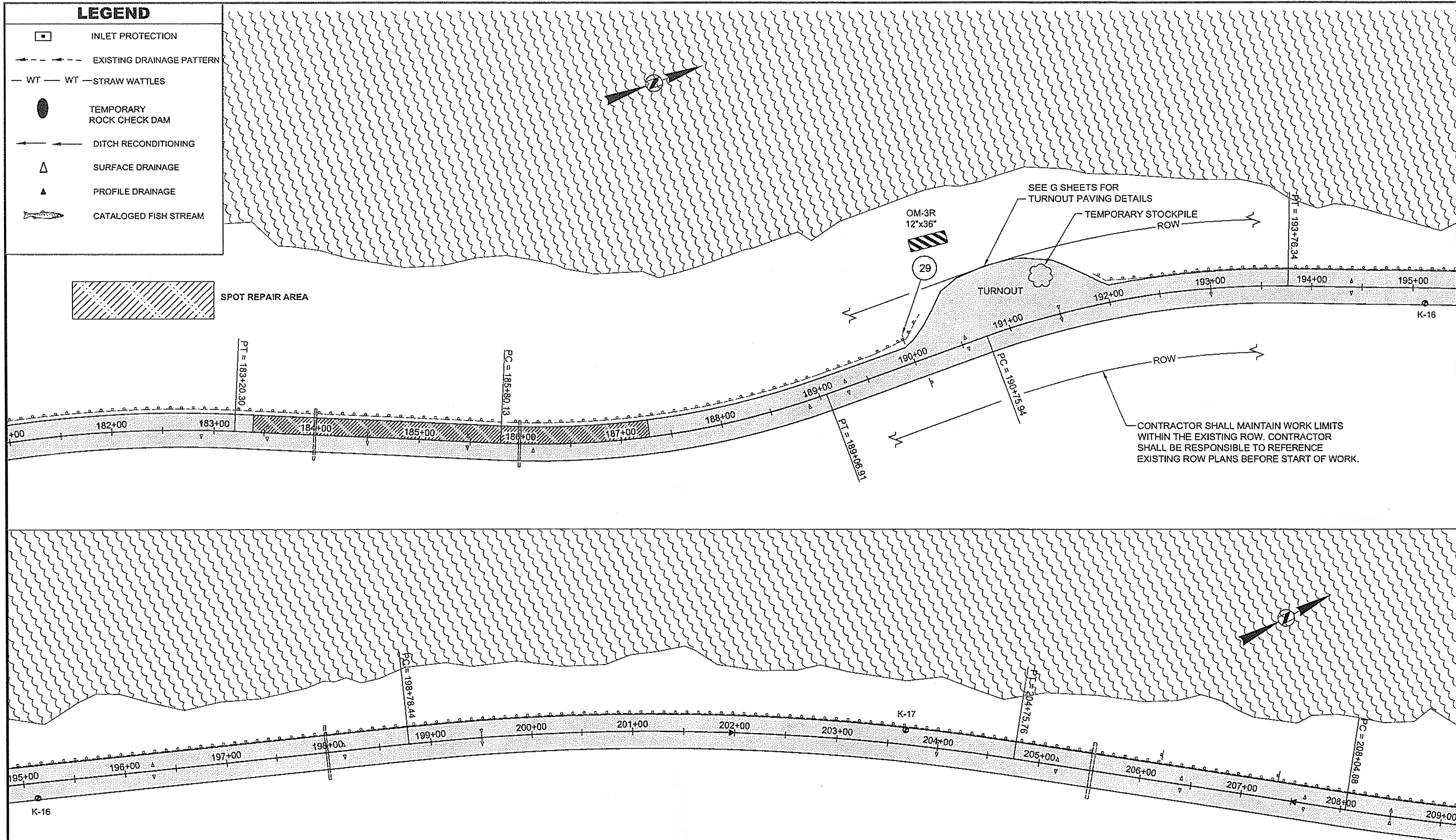


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

LEGEND

-  INLET PROTECTION
-  EXISTING DRAINAGE PATTERN
-  WT — STRAW WATTLES
-  TEMPORARY ROCK CHECK DAM
-  DITCH RECONDITIONING
-  SURFACE DRAINAGE
-  PROFILE DRAINAGE
-  CATALOGED FISH STREAM

 SPOT REPAIR AREA



PATH:Q:\POW68784\PLANS\TIF-PLANS&PROFILE

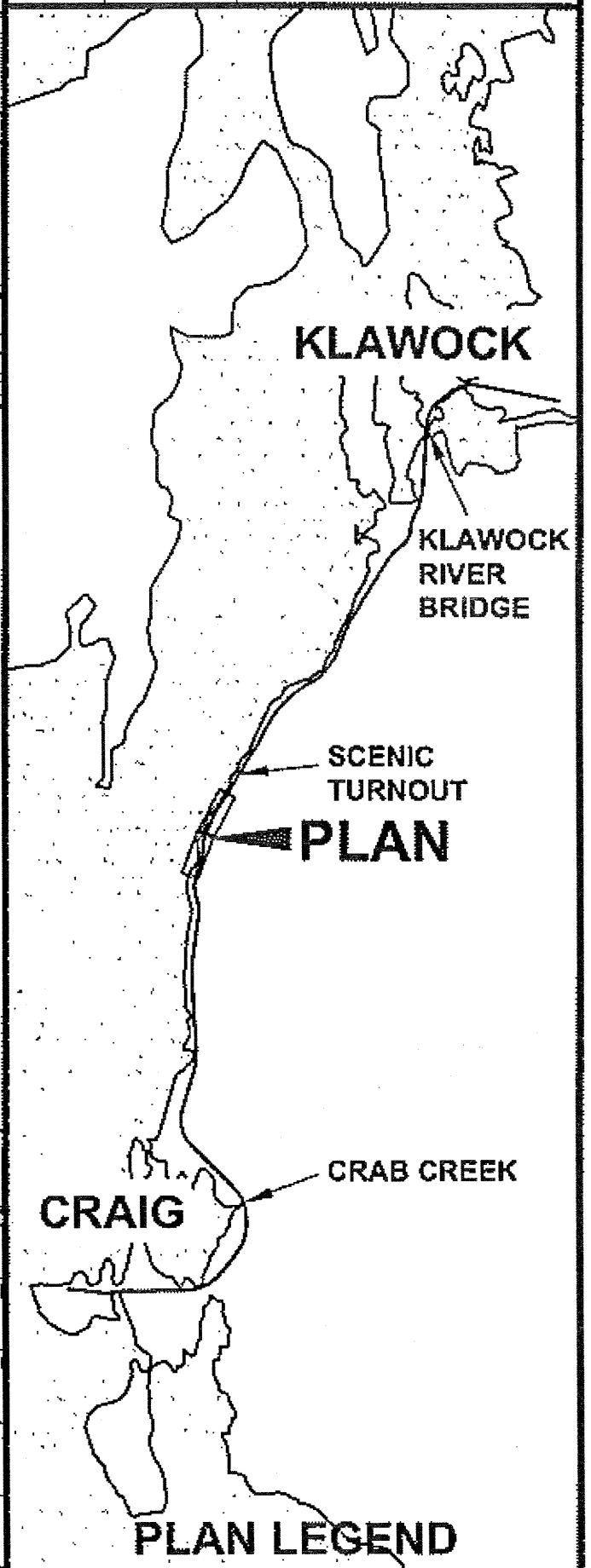
GRANTHAM, RICK L (DOT)
 TAB: FB Friday, May 29, 2009 10:02:36 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS

DRAWN BY: B. WILSON

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG-KLAWOCK
 HIGHWAY RESURFACING
 PROJECT #68784

5-29-09

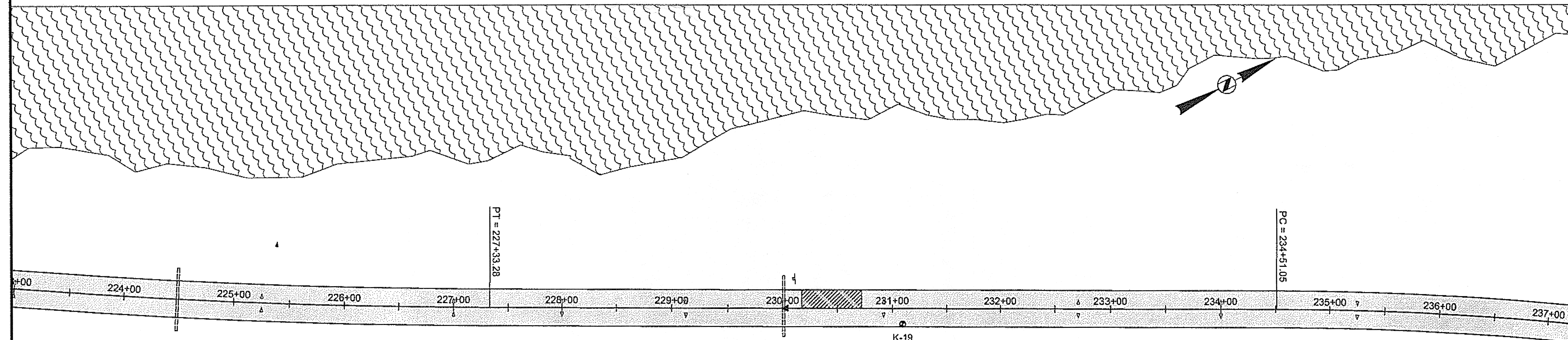
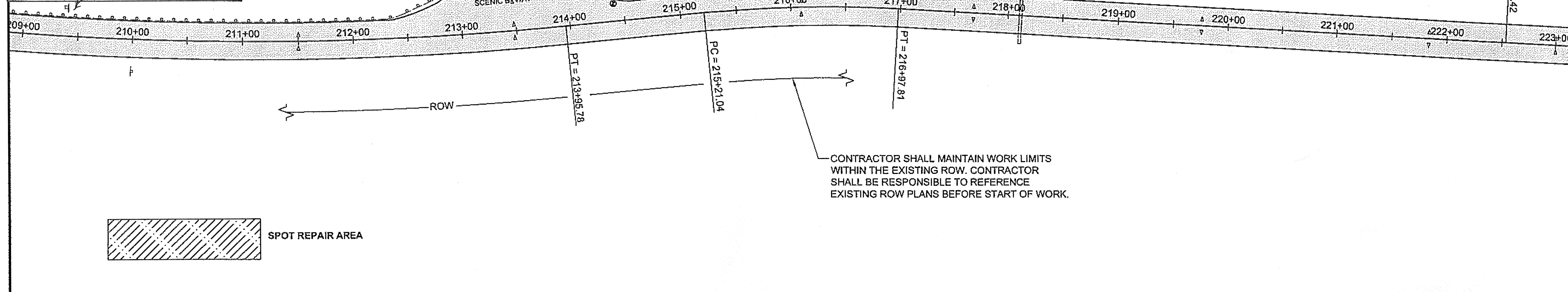
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 8-15-11

PLAN

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F8	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

LEGEND	
	INLET PROTECTION
	EXISTING DRAINAGE PATTERN
	WT STRAW WATTLES
	TEMPORARY ROCK CHECK DAM
	DITCH RECONDITIONING
	SURFACE DRAINAGE
	PROFILE DRAINAGE
	CATALOGED FISH STREAM



PATH: Q:\POW68784\PLANS\SET\F-PLANS&PROFILE

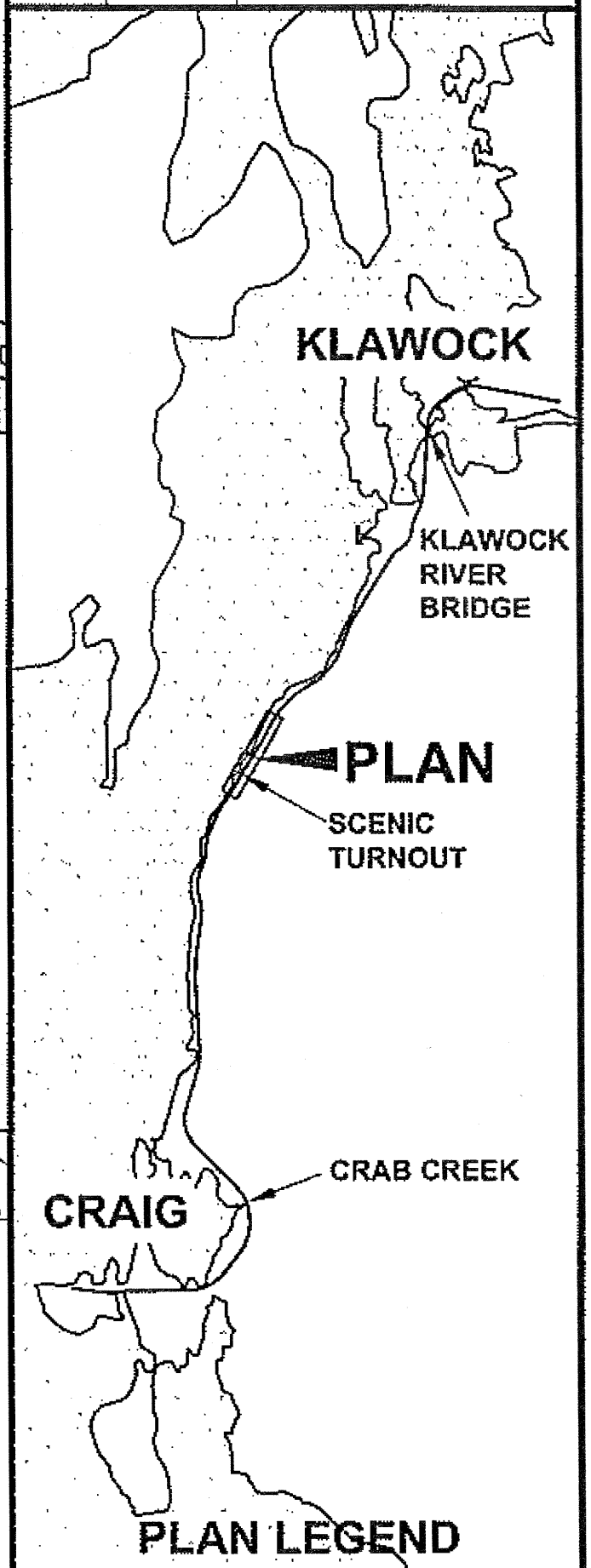
GRANTHAM, RICK L (DOT)
 TAB: F9 Friday, May 29, 2009 9:39:49 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. HOWARD

DESIGNED BY: D. WILLIAMS
 DRAWN BY: B. WILSON

5-29-09

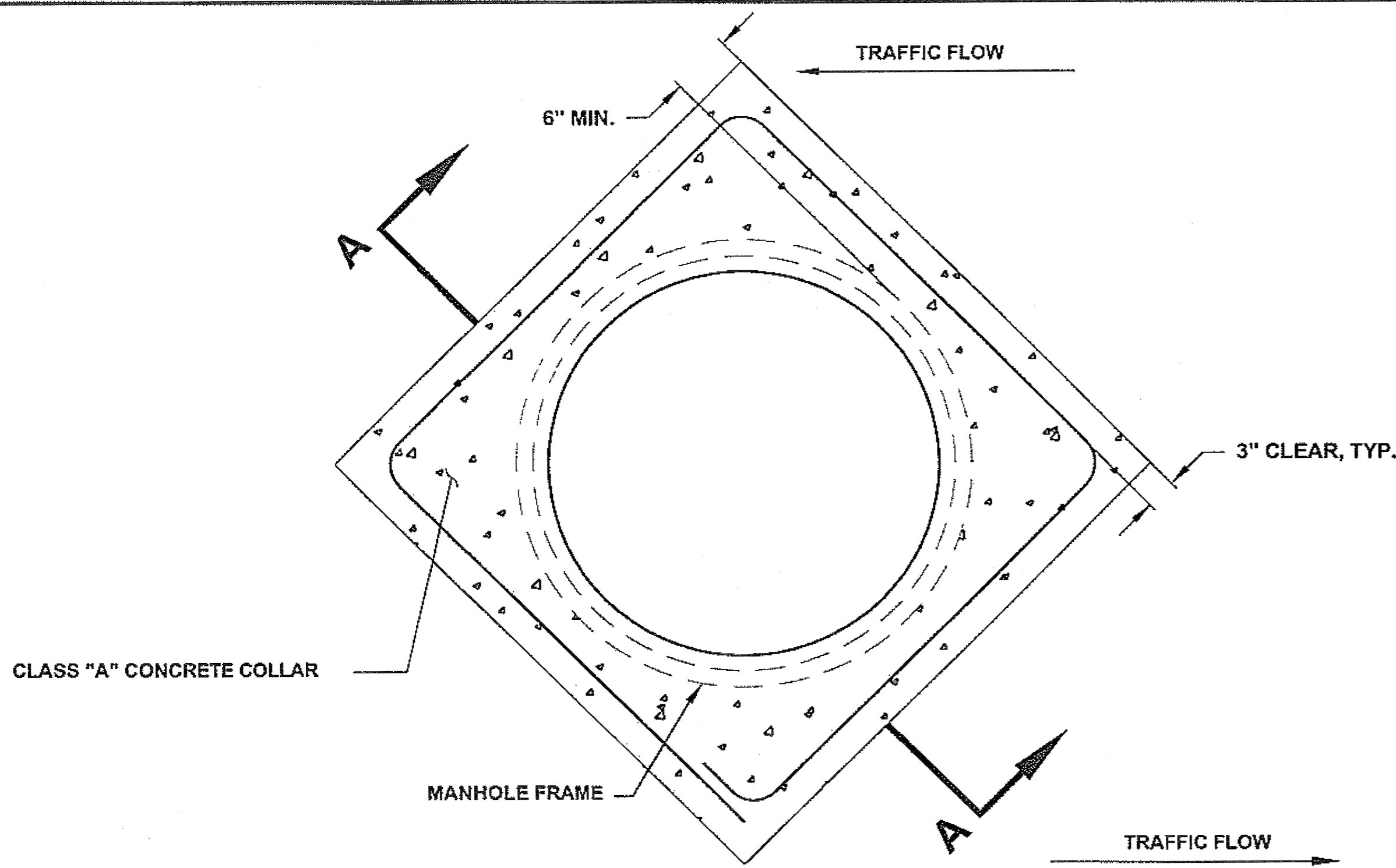
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

CRAIG-KLAUOCK
 HIGHWAY RESURFACING
 PROJECT #68784

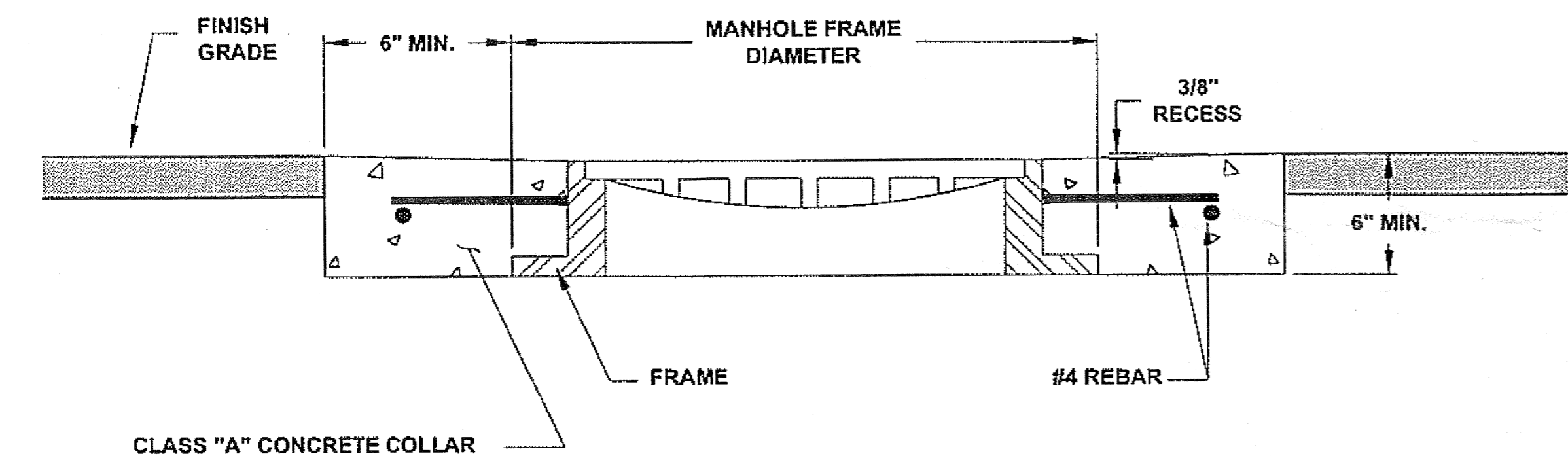
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date: 8/15/11

PROJECT DESIGNATION	
68784	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F9	25

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



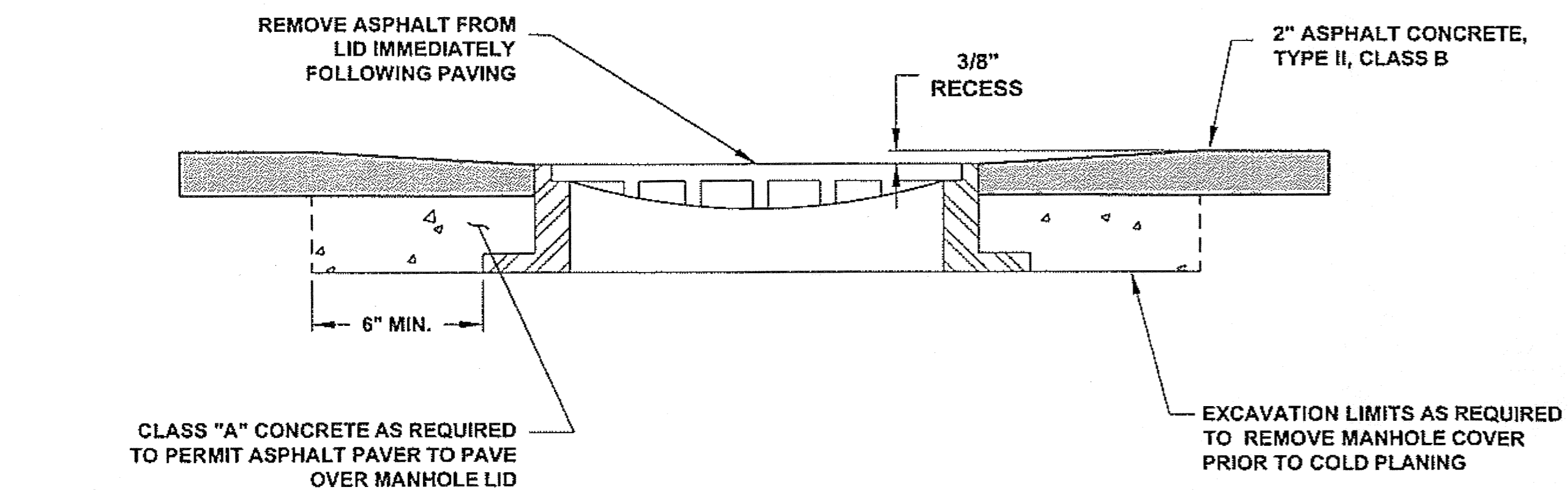
PLAN VIEW



SECTION A-A

FULL COLLAR MANHOLE ADJUSTMENT DETAIL

N.T.S.

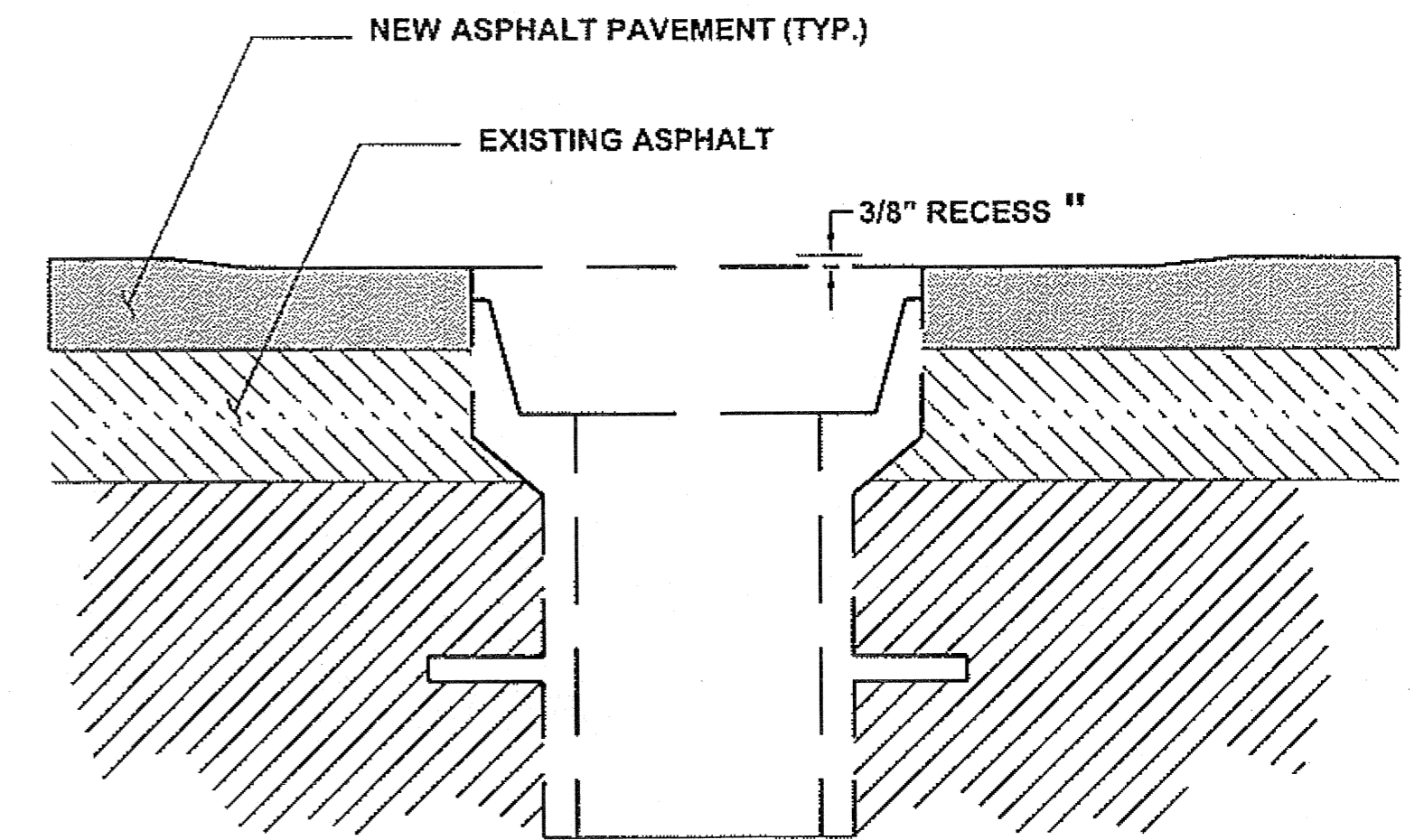


PARTIAL COLLAR MANHOLE ADJUSTMENT DETAIL

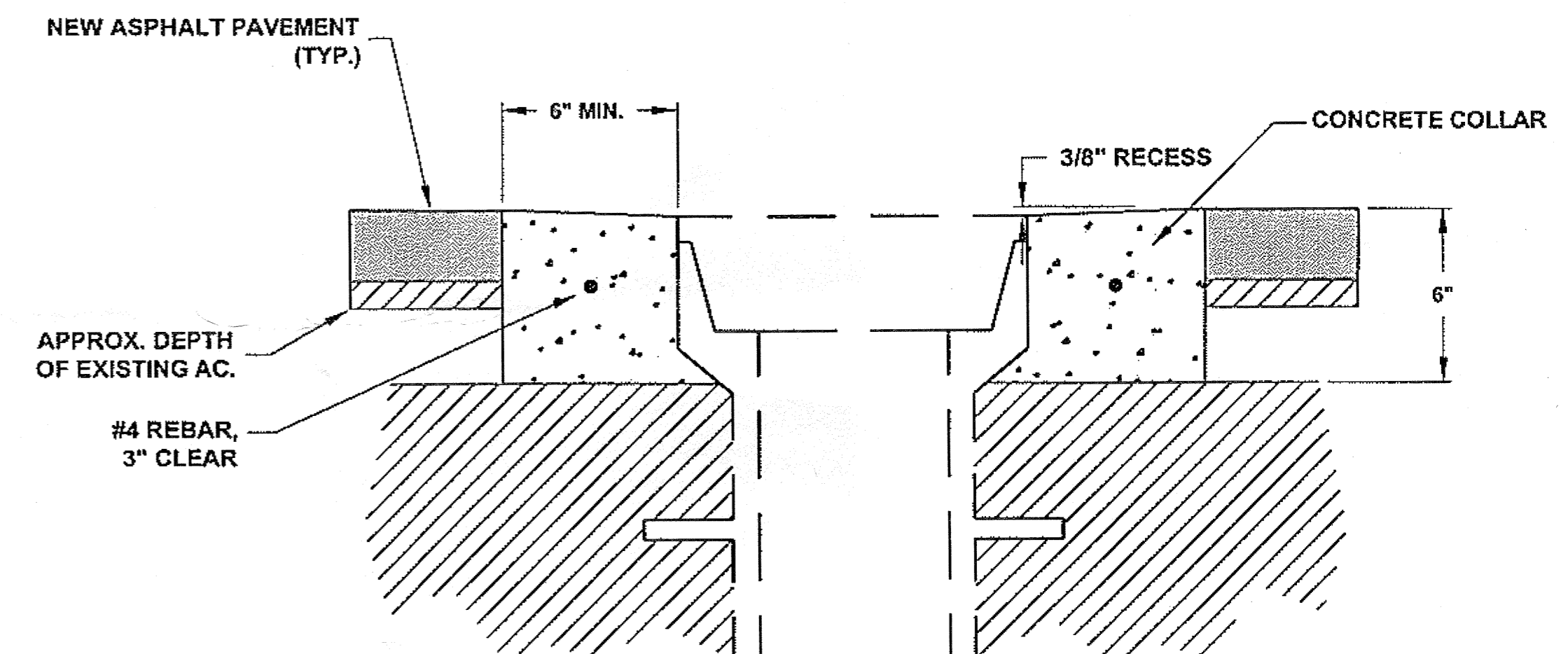
(USE FOR MANHOLES IN THE TRAVELED WAY)

MANHOLE ADJUSTMENT NOTES:

- FOR MANHOLES WITHIN THE TRAVELED WAY, USE A PARTIAL CONCRETE COLLAR AS DETAILED.
IF THE TRACKS FROM THE PAVING EQUIPMENT WILL RUN DIRECTLY ACROSS THE MANHOLE FRAME/LID, USE A FULL CONCRETE COLLAR AS DETAILED.
FOR MANHOLES WITHIN THE PAVING LIMITS BUT OUTSIDE THE TRAVELED WAY, NO CONCRETE COLLAR IS REQUIRED.
- ADJUSTING RINGS SHALL BE REPLACED IN ACCORDANCE TO EACH MANHOLE INVESTIGATION, CONDUCTED BY THE PROJECT ENGINEER.
- MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED PAVEMENT.
- ADJUSTING RINGS SHALL BE PROPERLY SIZED FOR THE EXISTING CONE OR FLAT TOP OPENING, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALLATION OF FRAME, COVER, AND ADJUSTMENT RINGS, ONTO THE EXISTING STRUCTURE SHALL BE WATER-TIGHT.



MONUMENT CASE ADJUSTMENT DETAIL

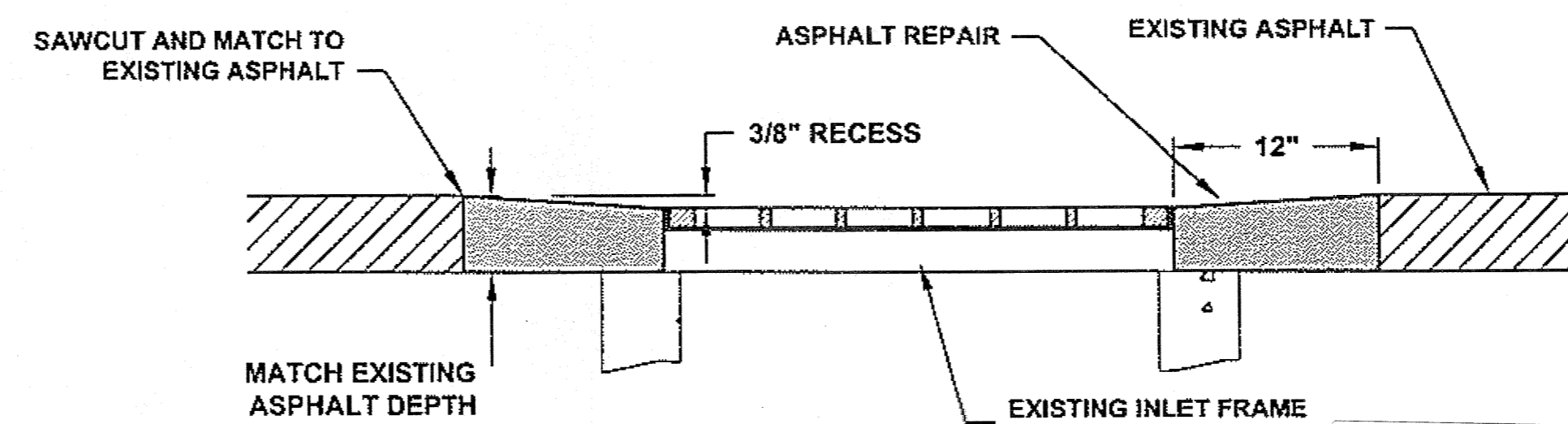


VALVE BOX ADJUSTMENT DETAIL

N.T.S.

VALVE BOX/ MONUMENT CASE NOTES:

- ADJUST VALVE BOX AND MONUMENT CASE UPWARD OR DOWNWARD AS REQUIRED.
- MAKE FINAL ADJUSTMENT BEFORE PAVING.



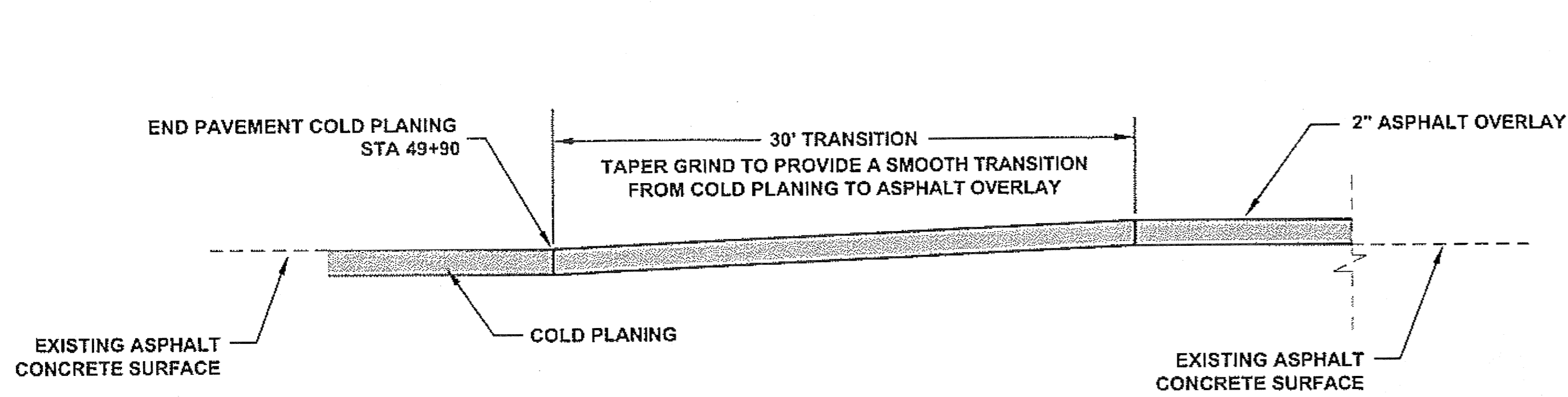
INLET ASPHALT REPAIR

STA. 2+60, 16' RT
INLET ASPHALT REPAIR SHALL BE PAID FOR UNDER ITEM 604(4) ADJUST EXISTING MANHOLE.

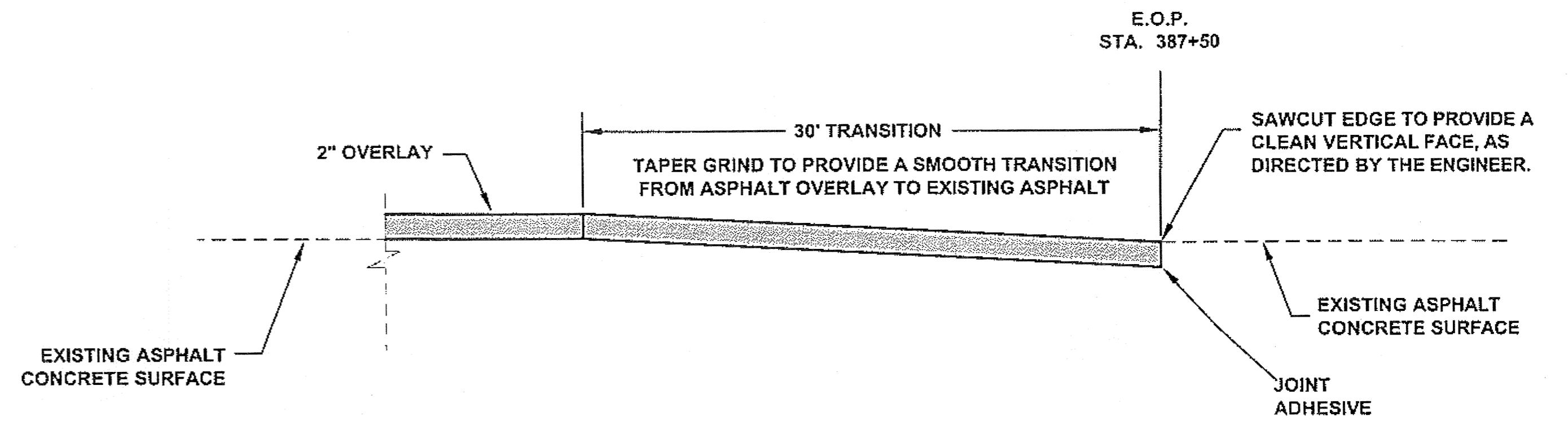
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION										
		CRAIG-KLAWOCK HIGHWAY RESURFACING PROJECT #68784										
				MISC. DETAILS								
DESIGNED BY: D. WILLIAMS	PROJECT DESIGNATION: 68784	YEAR: 2009	TOTAL SHEETS: 25									
DRAWN BY: B. WILSON	PATH: Q:\POW\68784\PLANSET\K1_MISC DETS.DWG	SHEET NO.: K1										
TAB: K1	Friday, May 29, 2009 10:24:15 AM											
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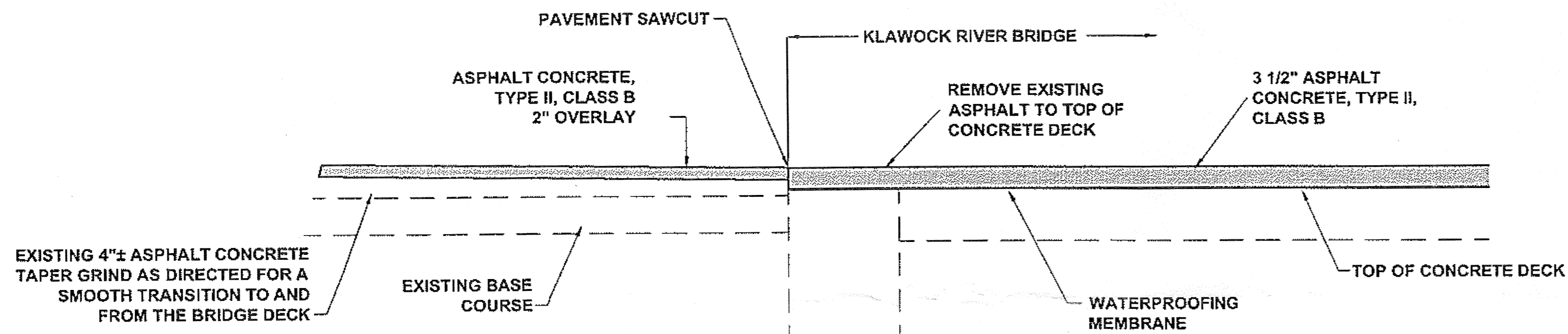
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 8/15/11



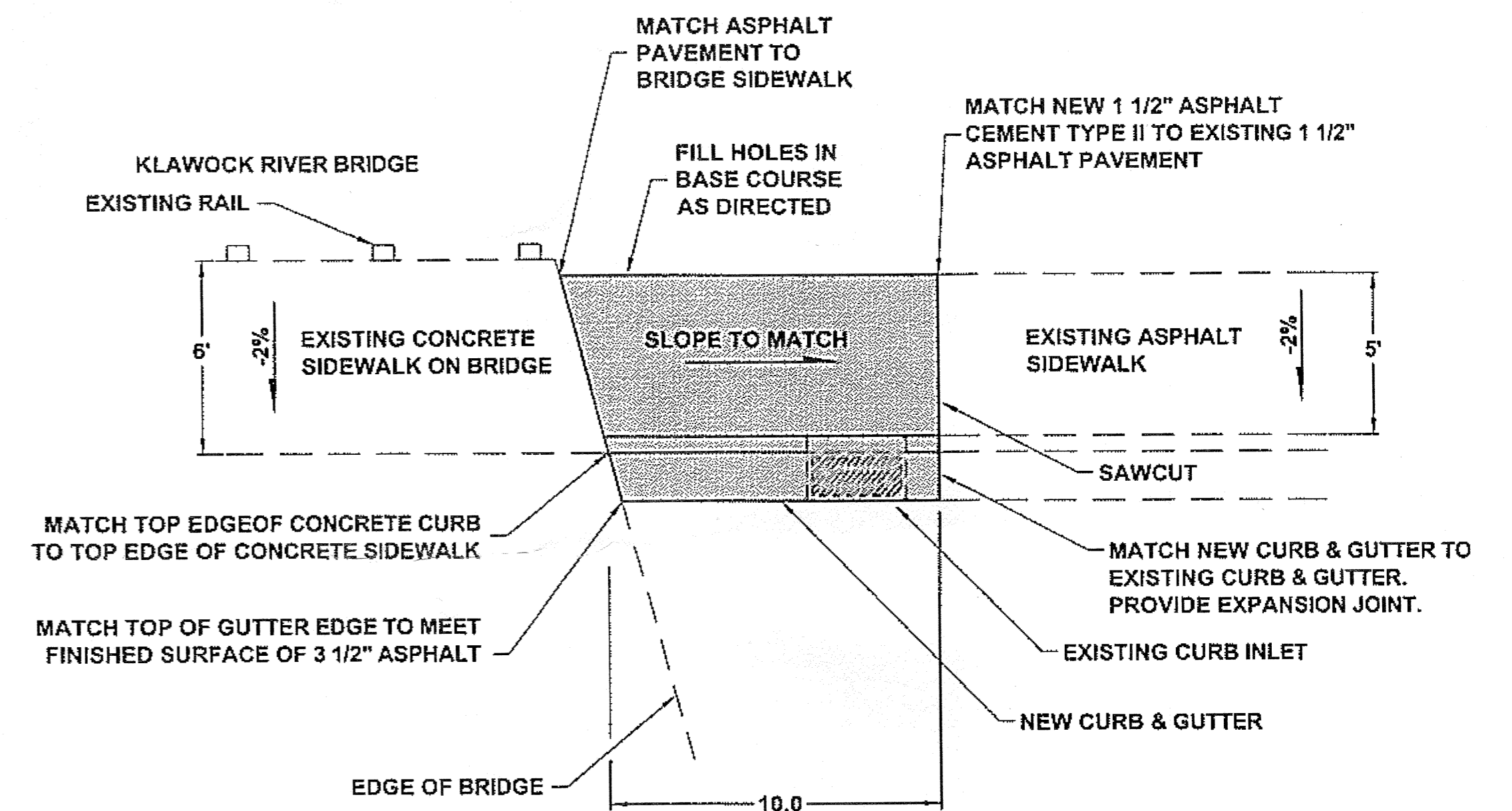
COLD PLANING - OVERLAY PAVEMENT TRANSITION DETAIL



OVERLAY TO EXISTING PAVEMENT TRANSITION DETAIL

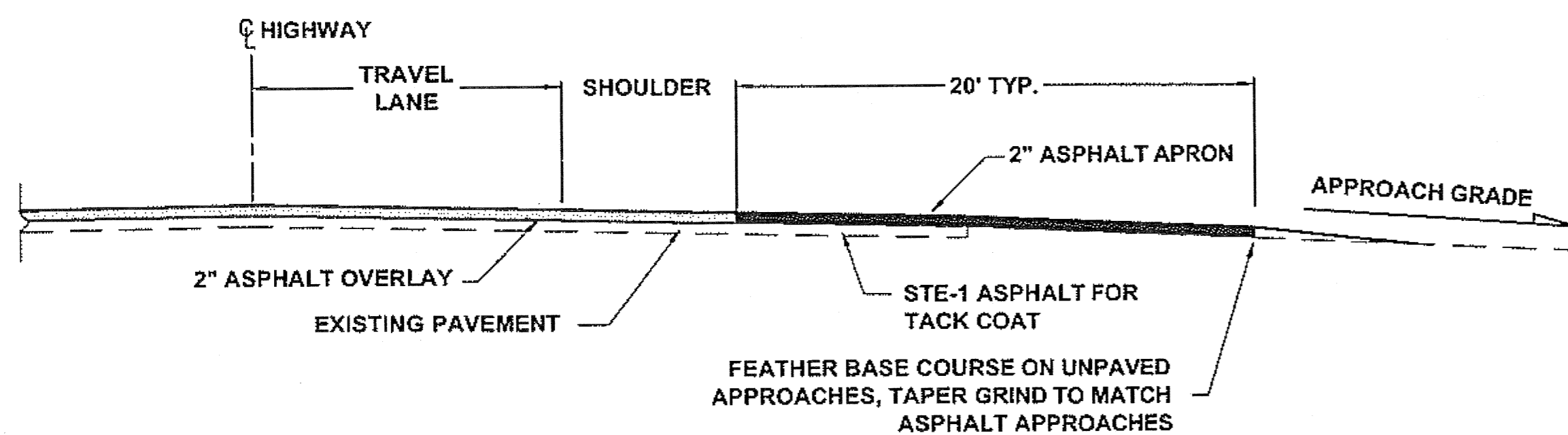


KLAWOCK RIVER BRIDGE PAVEMENT TRANSITION DETAIL

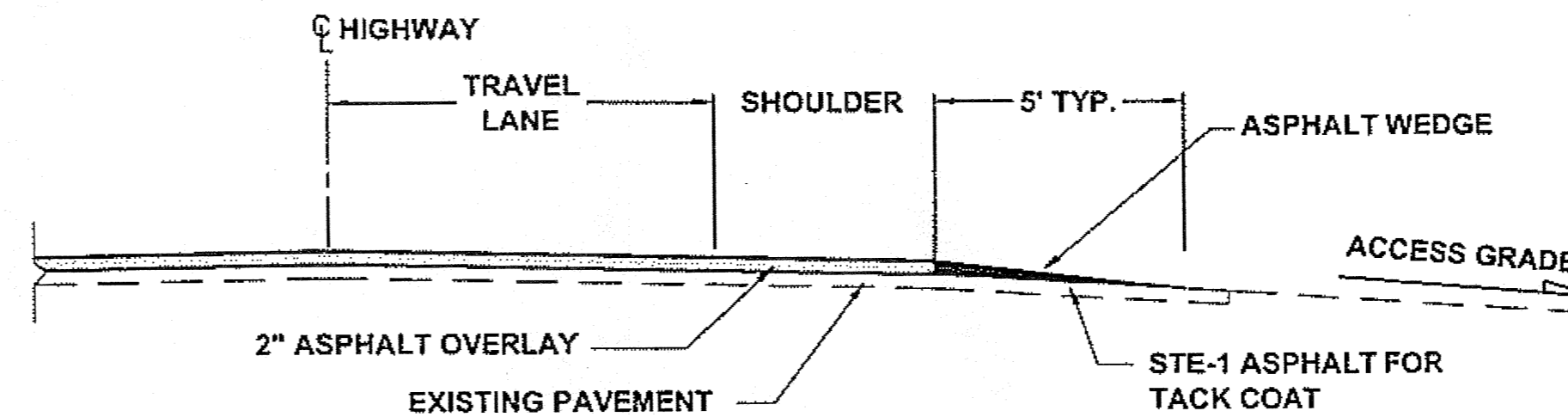


SIDEWALK REPAIR DETAIL

NOTE:
THIS TRANSITION PLAN IS ALSO REFLECTED
AT THE OTHER END OF THE BRIDGE



TYPICAL STREET APPROACH PROFILE

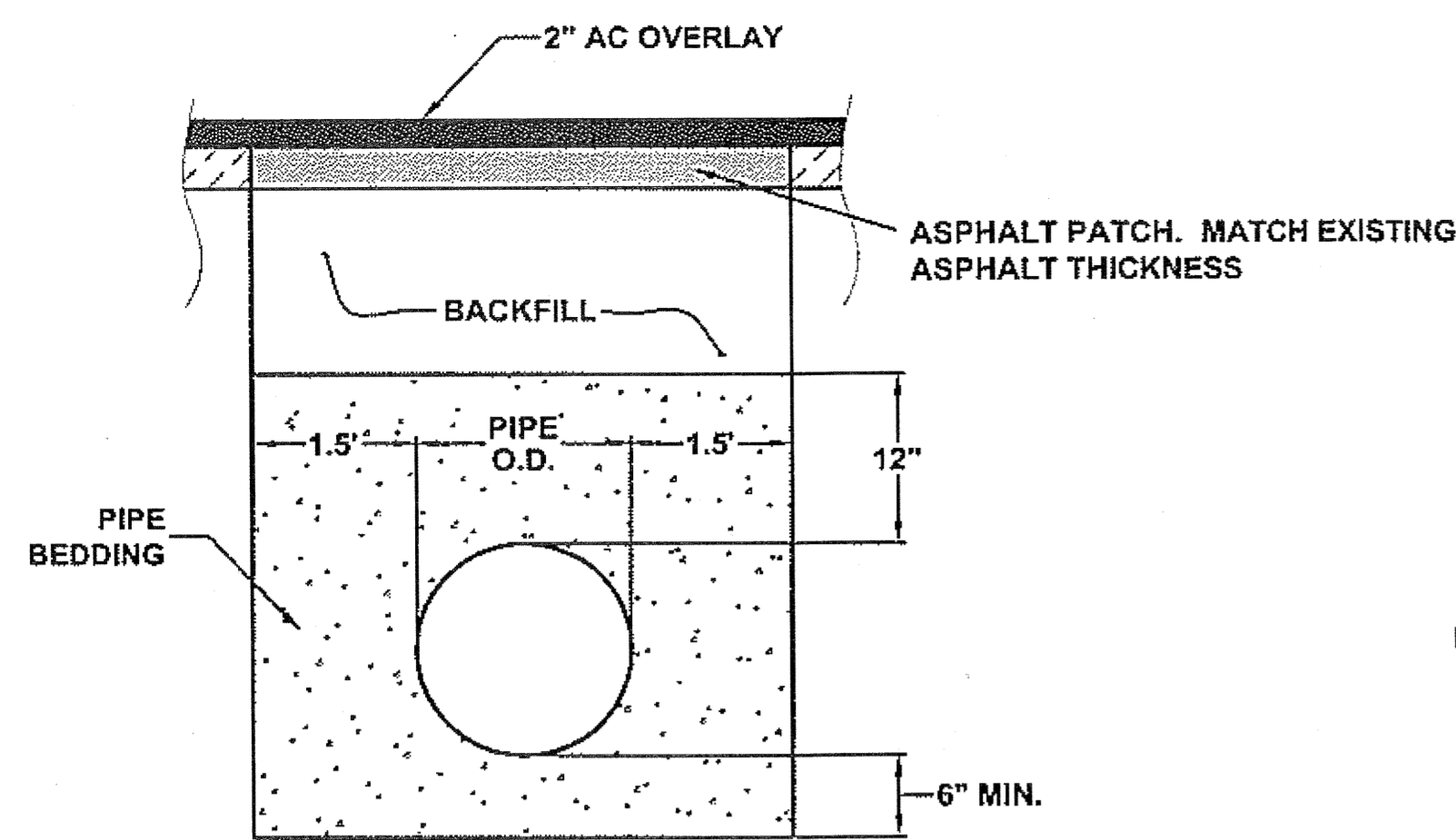


TYPICAL DRIVEWAY PROFILE

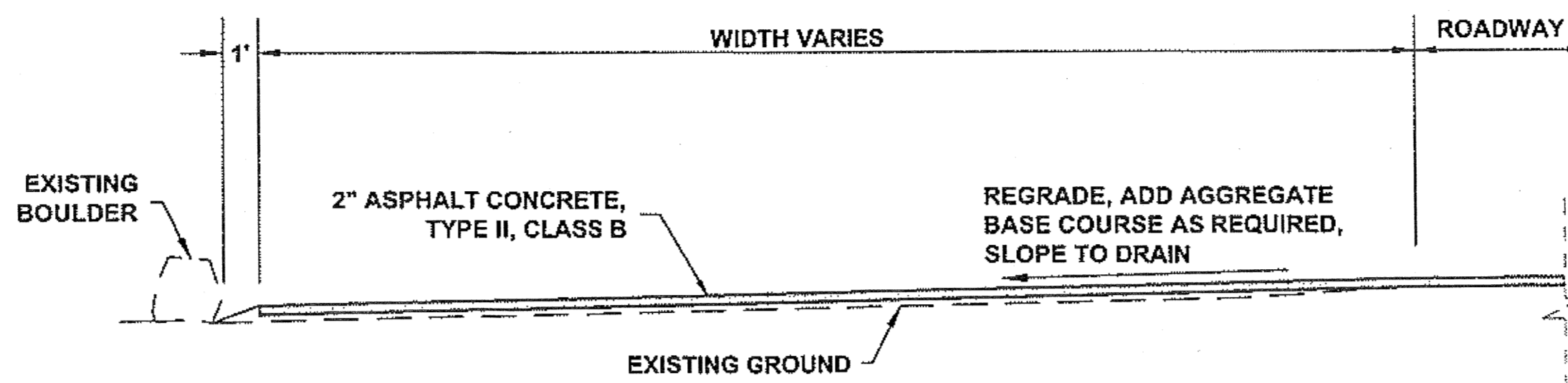
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date 8-15-11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

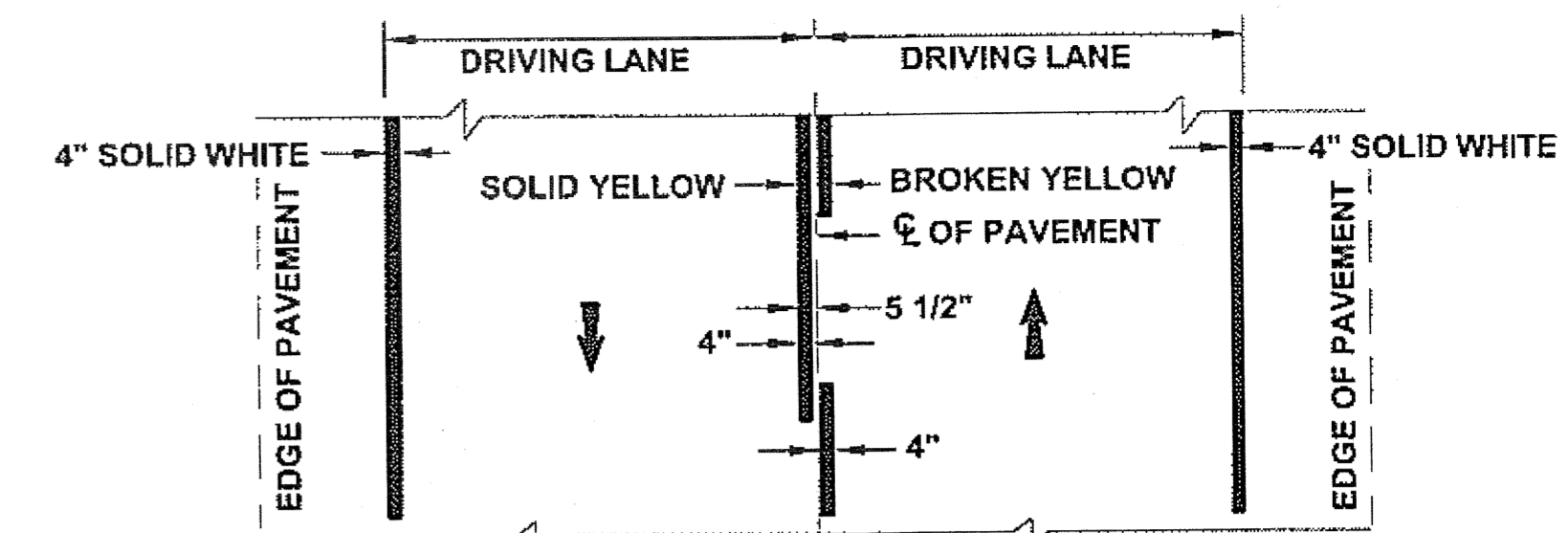
CHECKED BY: C. HOWARD		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION													
		CRAIG-KLAWOCK HIGHWAY RESURFACING PROJECT #68784													
		MISC. DETAILS													
DESIGNED BY: D. WILLIAMS	PROJECT DESIGNATION: 68784														
DRAWN BY: B. WILSON	YEAR: 2009	SHEET NO.: K2	TOTAL SHEETS: 25												
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REVISIONS															
NO.	DATE	DESCRIPTION													



CULVERT BEDDING/BACKFILL DETAIL



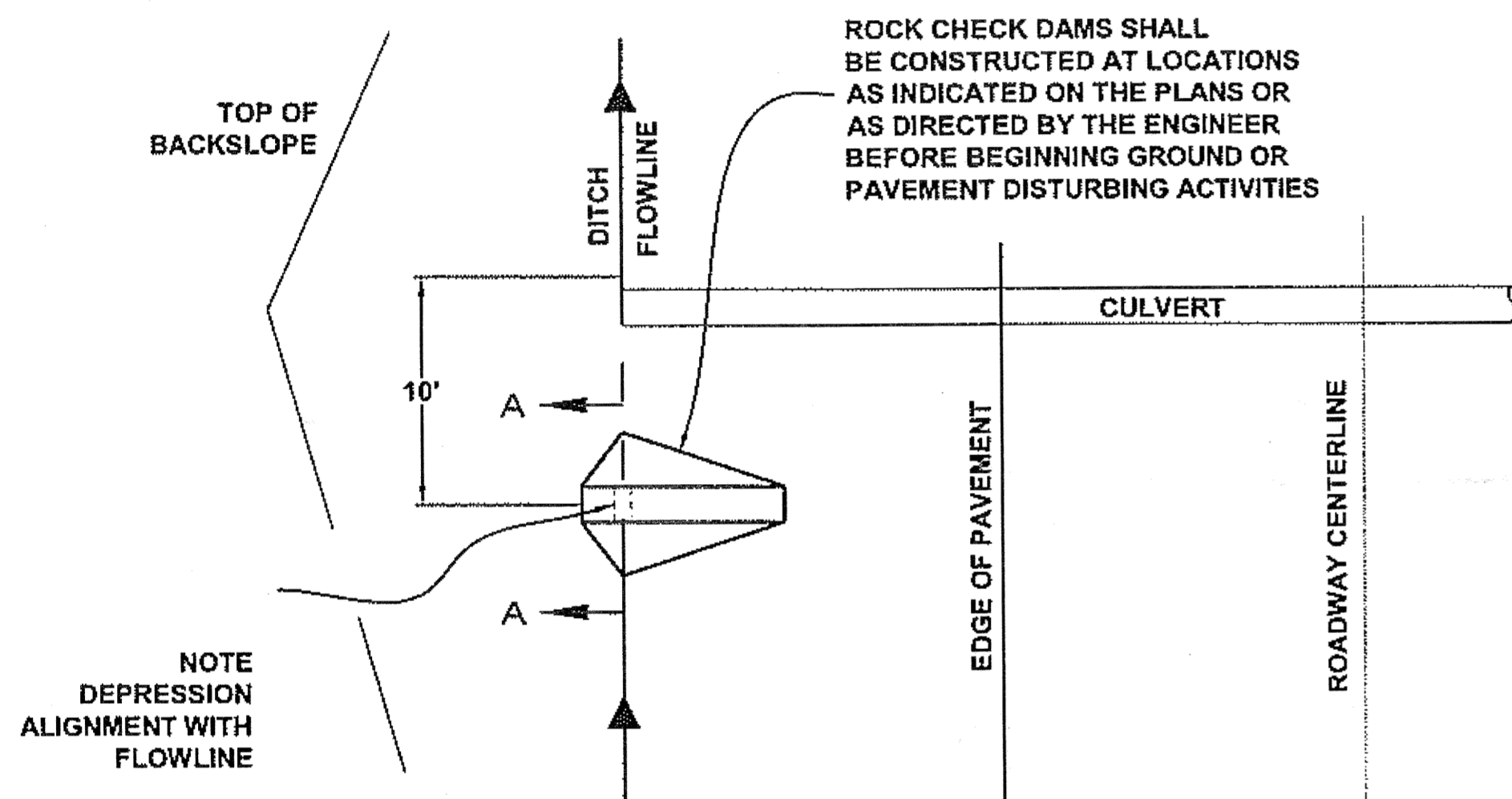
ROADWAY TURNOUT/ PULLOUT SECTION



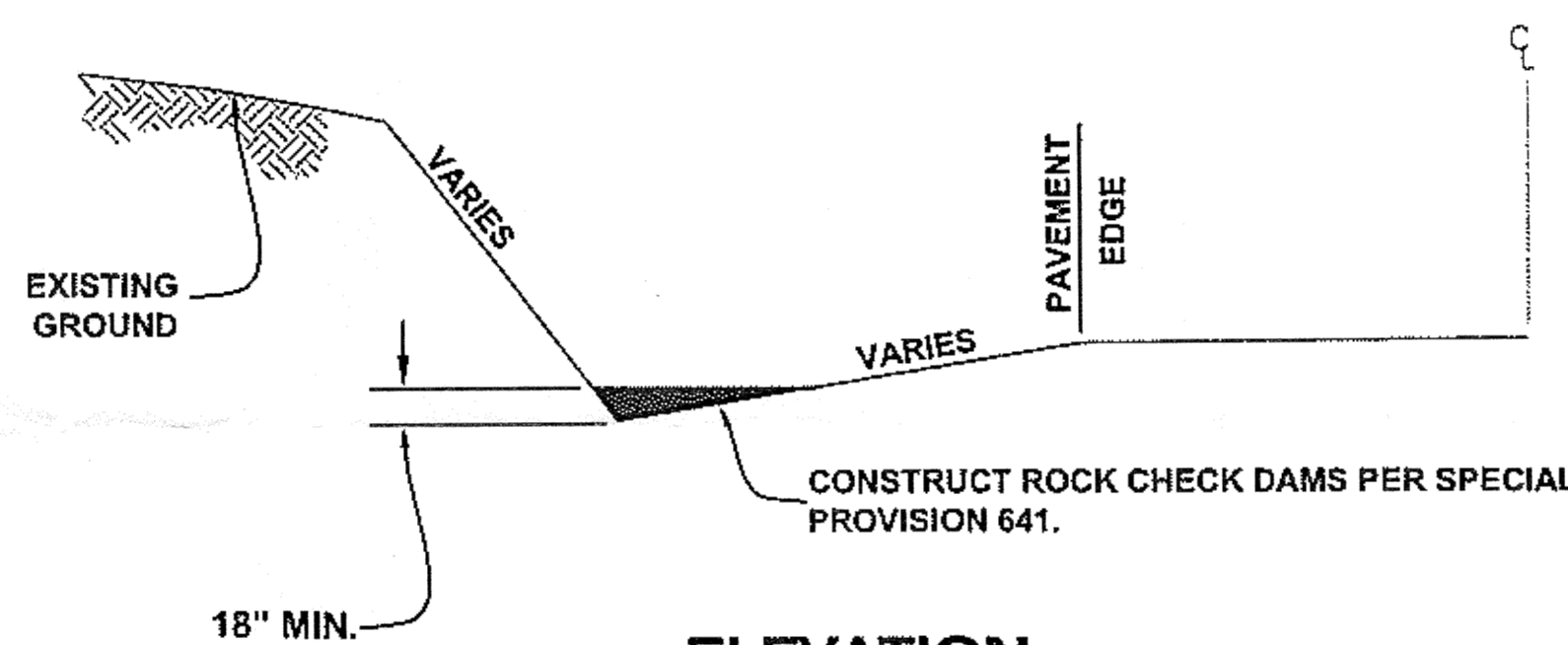
STRIPING DETAIL

STRIPING NOTES:

- PASSING ZONES SHALL BE LOCATED IN FIELD. THE CONTRACTOR SHALL REFERENCE AND STAKE THE LOCATIONS OF PASSING ZONES PER SPECIAL PROVISION 670.
- CONTRACT STRIPING SHALL BE LIMITED TO AREAS RECEIVING PAVEMENT REHABILITATION AND PAVEMENT COLD PLANING. THE CONTRACTOR IS RESPONSIBLE TO RESTRIPE ANY STRIPING THAT IS OBLITERATED DUE TO CONSTRUCTION ACTIVITIES.

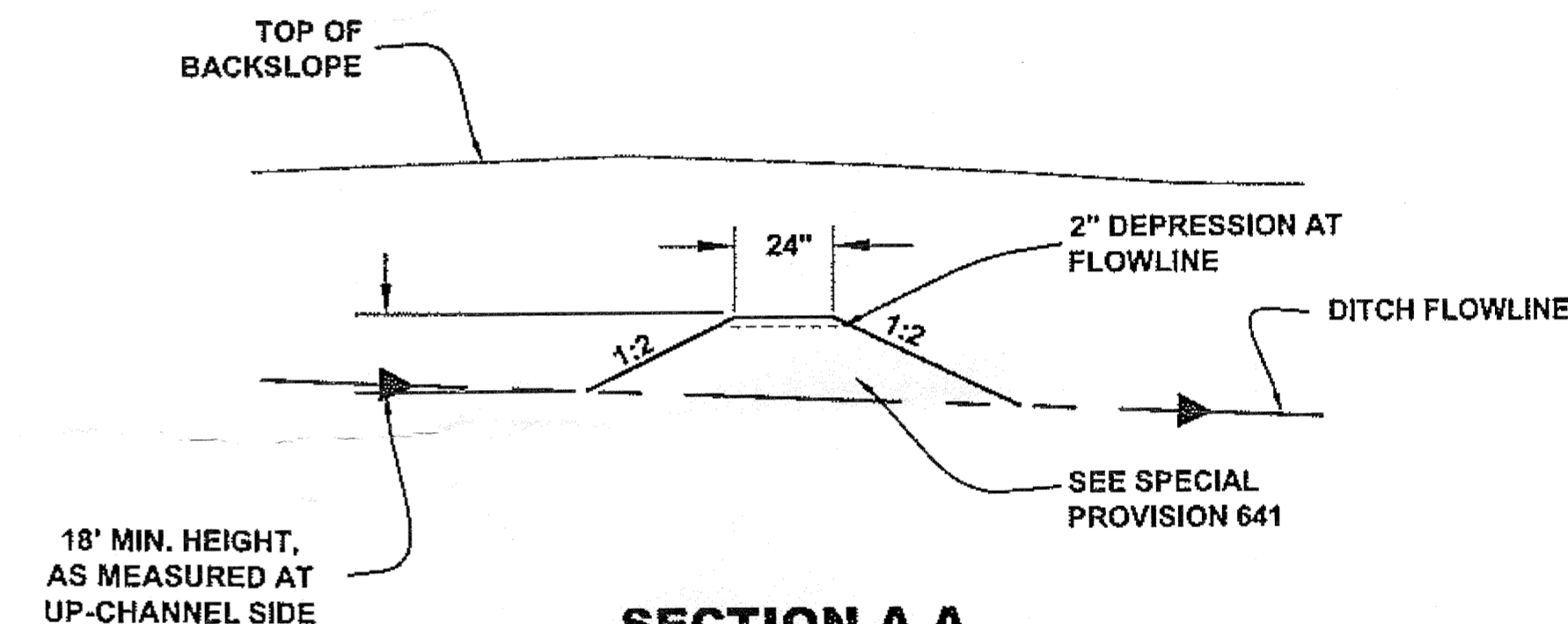


PLAN



ELEVATION

ROCK CHECK DAM DETAILS



SECTION A-A

ROCK CHECK DAM NOTES:

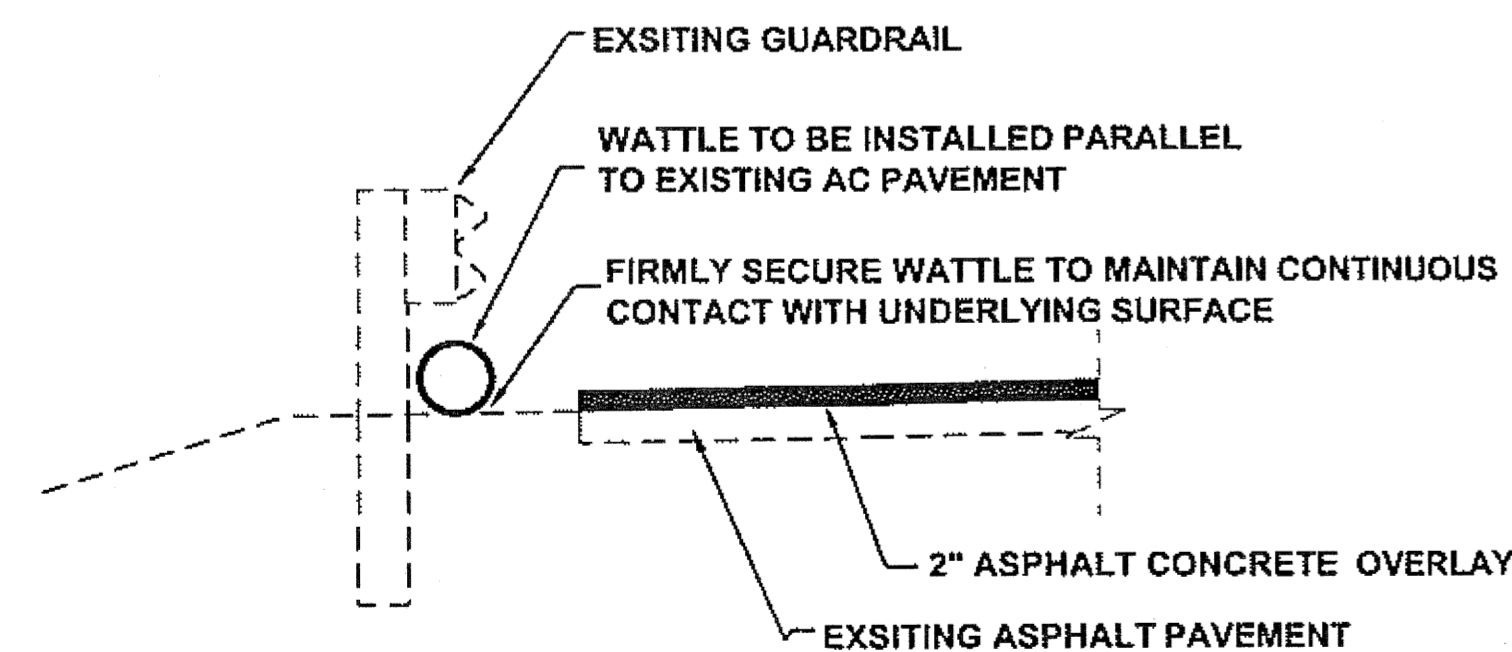
- INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING GROUND OR PAVEMENT DISTURBING ACTIVITIES.
- MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE SEDIMENT BEHIND CHECK DAMS WHEN 4" OR MORE SEDIMENT IS PRESENT.
- IF INSPECTION REVEALS SEDIMENT IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL CHECK DAMS MAY BE REQUIRED.

WATTLE NOTES:

- STRAW WATTLES SHALL BE MANUFACTURED FROM RICE STRAW AND WRAPPED IN TUBULAR PLASTIC NETTING.
- THE LOCATION AND LENGTH OF WATTLES IS DEPENDENT ON THE CONDITION OF THE SITE.
- TIGHTLY ABUT ADJACENT WATTLES TO PREVENT SEDIMENT BYPASS.
- ANCHOR AS NECESSARY TO FIRMLY SECURE WATTLE AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.

EROSION & SEDIMENT CONTROL NOTES:

- REFER TO APPENDIX B OF THE CONTRACT DOCUMENTS FOR THE ENVIRONMENTAL COMMITMENTS.
- THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
- DIVERT WATER FLOW BY NATURAL FLOW OR PUMPING BEFORE WORK ON CULVERT PIPES.
- DO NOT WORK OR PLACE MATERIAL OUTSIDE THE ROAD PRISM WHILE WORKING ON CULVERT PIPES.
- INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES OR AS SPECIFIED ELSEWHERE.
- MAINTAIN DEVICES. MONITOR DAILY. REMOVE SEDIMENT FROM SEDIMENT TRAPS WHEN 4" OF SEDIMENT HAS ACCUMULATED.

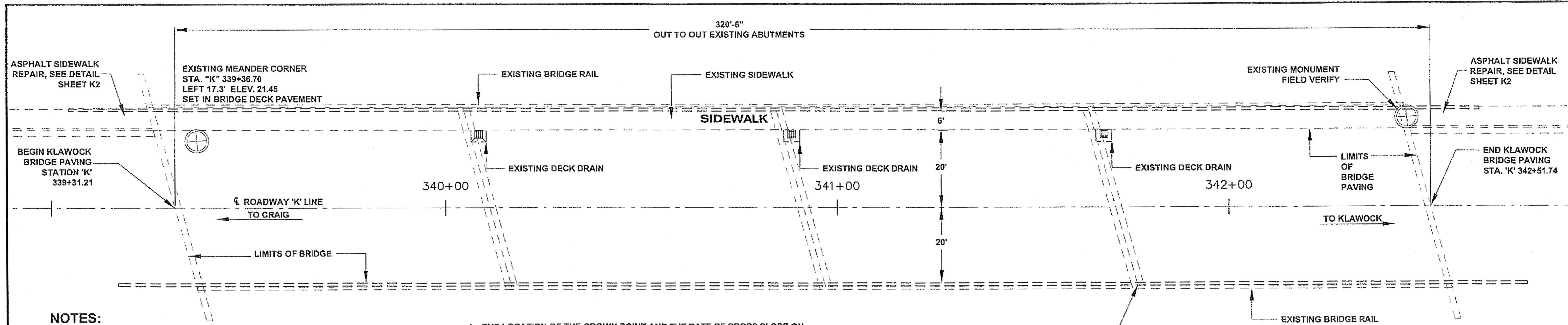


CRAB CREEK TYPICAL WATTLE INSTALLATION DETAIL

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 8-15-11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

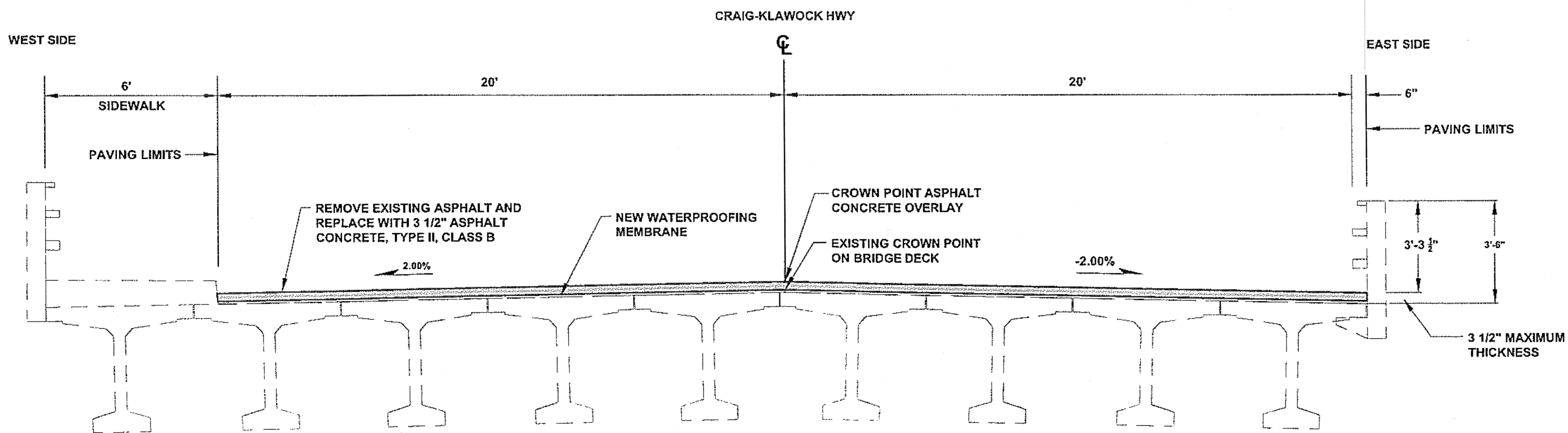
CHECKED BY: C. HOWARD 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION CRAIG-KLAWOCK HIGHWAY RESURFACING PROJECT #68784	
DESIGNED BY: D. WILLIAMS DRAWN BY: B. WILSON		MISC. DETAILS	
PATH: Q:\POW68784\PLANS\TK1_MISC DETS.DWG TAB: K3 Friday, May 29, 2009 10:29:27 AM		DLESTER	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 68784	YEAR 2009
		SHEET NO. K3	TOTAL SHEETS 25



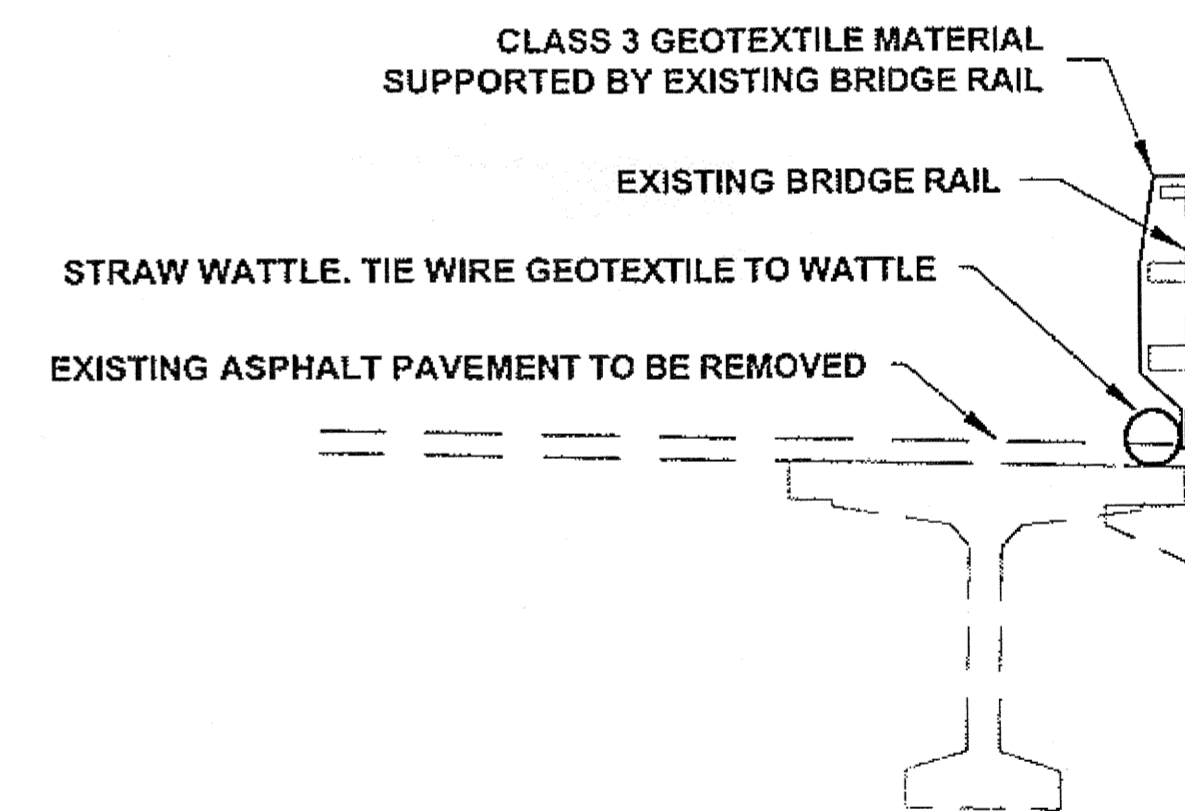
NOTES:

1. INFORMATION CONTAINED IN THESE DRAWINGS HAS BEEN COMPILED FROM ASBUILT DRAWINGS. ALL DIMENSIONS OF THE EXISTING BRIDGE & APPROACH ROADWAY ARE APPROXIMATE.
2. THE BRIDGE WORK CONSISTS OF REMOVING AND DISPOSING OF ASPHALT CONCRETE, FULL DEPTH, WIDTH AND LENGTH OF BRIDGE DECK INCLUDING WATERPROOFING MEMBRANE.
3. ALL MATERIALS REMOVED FROM THE EXISTING BRIDGE SHALL BE PREVENTED FROM ENTERING THE WATER AND LOWER BANK AREA OF THE CHANNEL.
4. THE LOCATION OF THE CROWN POINT AND THE RATE OF CROSS SLOPE ON THE BRIDGE APPROACH SHALL CONFORM TO THAT OF THE BRIDGE DECK CROWN POINT, CROSS SLOPE AND ASPHALT CONCRETE OVERLAY FOR A SMOOTH TRANSITION.
5. USE OF AN ASPHALT MILLING MACHINE WILL NOT BE ALLOWED ON THE BRIDGE SURFACE. SEE SECTION 202 OF THE SPECIAL PROVISIONS.
6. THE KLAWOCK RIVER BRIDGE SITE IS CONSIDERED AN ENVIRONMENTALLY SENSITIVE AREA, THE CONTRACTOR SHALL UTILIZE MEASURES NECESSARY TO PROTECT ESSENTIAL FISH HABITAT.

**PLAN
KLAWOCK RIVER BRIDGE**



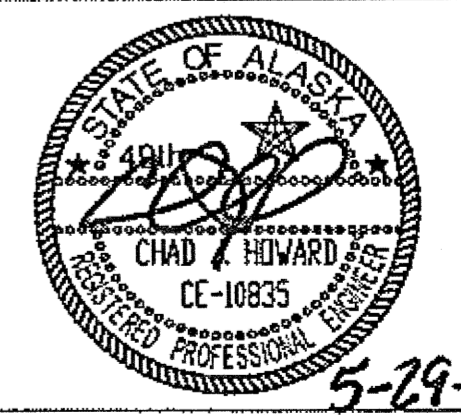
**TYPICAL SECTION
KLAWOCK RIVER BRIDGE**



WATTLE PLACEMENT

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 8-15-11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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DESIGNED BY: D. WILLIAMS DRAWN BY: B. WILSON		BRIDGE DETAILS																		
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REVISIONS			PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS										
NO.	DATE	DESCRIPTION																		
			68784	2009	N1	25														

SIGN SUMMARY

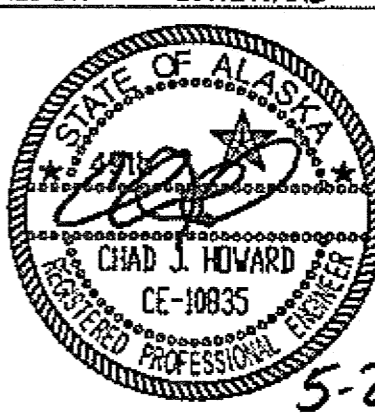
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1	NO RIGHT TURN	R3-1	1+00	RT	30	30	6.25	2.5 PST	
2	<- ONE WAY	R6-1L	1+65	LT	36	12	3	2.5 PST	
3	ONE WAY ->	R6-1R	1+65	LT	36	12	3		MOUNT BEHIND SIGN #5
4	SPEED LIMIT 25	R2-1	6+75	RT	30	36	7.5	2.5 PST	
5	OBJECT MARKER	OM-3R	7+50	LT	12	36	3	2.5 PST	
6	CRAIG KLAWOCK HWY	D3-1	24+00	RT	48	6	2		USE FONT SERIES B, MOUNT ABOVE SIGN #41
7	CRAIG KLAWOCK HWY	D3-1	26+45	LT	48	6	2		USE FONT SERIES B, MOUNT ABOVE SIGN #49
8	CRAIG KLAWOCK HWY	D3-1	29+20	LT	48	6	2		USE FONT SERIES B, MOUNT ABOVE SIGN #55
9	SPEED LIMIT 25	R2-1	31+50	RT	30	36	7.5	2.5 PST	
10	JS ST	D3-1	35+80	RT	24	6	1		MOUNT ABOVE SIGN #65
11	OBJECT MARKER	OM-3R	43+05	LT	12	36	3	2.5 PST	
12	MILE 1	D10-101	48+40	RT	14	18	1.75	2.5 PST	
13	SPEED LIMIT 25	R2-1	48+60	LT	30	36	7.5	2.5 PST	
14	SPEED LIMIT 25	R2-1	50+25	RT	30	36	7.5	2.5 PST	
15	SPEED LIMIT 35	R2-1	56+75	RT	30	36	7.5	2.5 PST	
16	SPEED LIMIT 25	R2-1	56+75	LT	30	36	7.5	2.5 PST	
17	SPEED LIMIT 35	R2-1	69+50	RT	30	36	7.5	2.5 PST	
18	OBJECT MARKER	OM-3L	71+00	LT	12	36	3	2.5 PST	
19	OBJECT MARKER	OM-3R	72+00	RT	12	36	3	2.5 PST	Deleted
20	OBJECT MARKER	OM-3R	74+40	LT	12	36	3	2.5 PST	
21	OBJECT MARKER	OM-3L	74+95	RT	12	36	3	2.5 PST	
22	SPEED LIMIT 35	R2-1	80+50	LT	30	36	7.5	2.5 PST	
23	STOP	R1-1	90+85	LT	30	30	6.25	2.5 PST	
24	OBJECT MARKER	OM-3R	100+25	LT	12	36	3	2.5 PST	
25	MILE 2	D10-101	101+45	RT	14	18	1.75	2.5 PST	
26	SPEED LIMIT 35	R2-1	108+75	LT	30	36	7.5	2.5 PST	
27	SPEED LIMIT 50	R2-1	108+75	RT	30	36	7.5	2.5 PST	
28	MILE 3	D10-101	156+60	RT	14	18	1.75	2.5 PST	
29	OBJECT MARKER	OM-3R	190+00	LT	12	36	3	2.5 PST	
30	OBJECT MARKER	OM-3R	218+00	LT	12	36	3	2.5 PST	
31	MILE 5	D10-101	254+00	RT	14	18	1.75	2.5 PST	
32	OBJECT MARKER	OM-3R	283+00	LT	12	36	3	2.5 PST	
33	OBJECT MARKER	OM-3R	302+00	LT	12	36	3	2.5 PST	
34	MILE 6	D10-101	303+65	RT	14	18	1.75	2.5 PST	
35	SPEED LIMIT 35	R2-1	322+00	RT	30	36	7.5	2.5 PST	296+00 RT
36	SPEED LIMIT 50	R2-1	322+00	LT	30	36	7.5	2.5 PST	296+00 LT
37	SPEED LIMIT 35	R2-1	334+80	LT	30	36	7.5	2.5 PST	
38	SPEED LIMIT 25	R2-1	334+80	RT	30	36	7.5	2.5 PST	
39	OBJECT MARKER	OM-3L	338+70	LT	12	36	3	2.5 PST	
40	OBJECT MARKER	OM-3R	338+90	RT	12	36	3	2.5 PST	
41	OBJECT MARKER	OM-3R	342+90	LT	12	36	3	2.5 PST	
42	OBJECT MARKER	OM-3L	343+10	RT	12	36	3	2.5 PST	
43	OBJECT MARKER	OM-3R	354+75	RT	12	36	3	2.5 PST	
44	OBJECT MARKER	OM-3R	364+95	LT	12	36	3	2.5 PST	
45	SPEED LIMIT 25	R2-1	378+15	LT	30	36	7.5	2.5 PST	
46	Mile 4 Marker	D10-101	205+85	LT	14	18	1.75		
47	Mile 7 Marker	D10-101	357+30	RT	14	18	1.75		
48	Object Marker	OM-3L	53+75	RT	12	36	3.0		

NOTES:

- ALL SIGNING STATIONS ARE APPROXIMATE AND ARE SUBJECT TO REVISION WITH THE APPROVAL OF THE ENGINEER.
- OBJECT MARKERS SHALL BE PLACED NEAR THE LAST POST AT THE END OF GUARDRAILS.
- D3-1 SIGNS SHALL USE FONT SERIES C UNLESS OTHERWISE NOTED.
- ASDS = ALASKA SIGN DESIGN SPECIFICATIONS. SEE <http://www.dot.state.ak.us/stwddes/dcstraffic/asdsintro.shtml> FOR DETAILS.
- FABRICATE ALL SIGNS FROM 0.125" ALUMINUM SHEETING.
- POST MOUNTED SIGN OFFSET AND HEIGHT AS SHOWN IN STD DWG S-05.01.
- PST SHALL BE SOIL EMBEDMENT AS SHOWN IN STD DWG S-30.03.

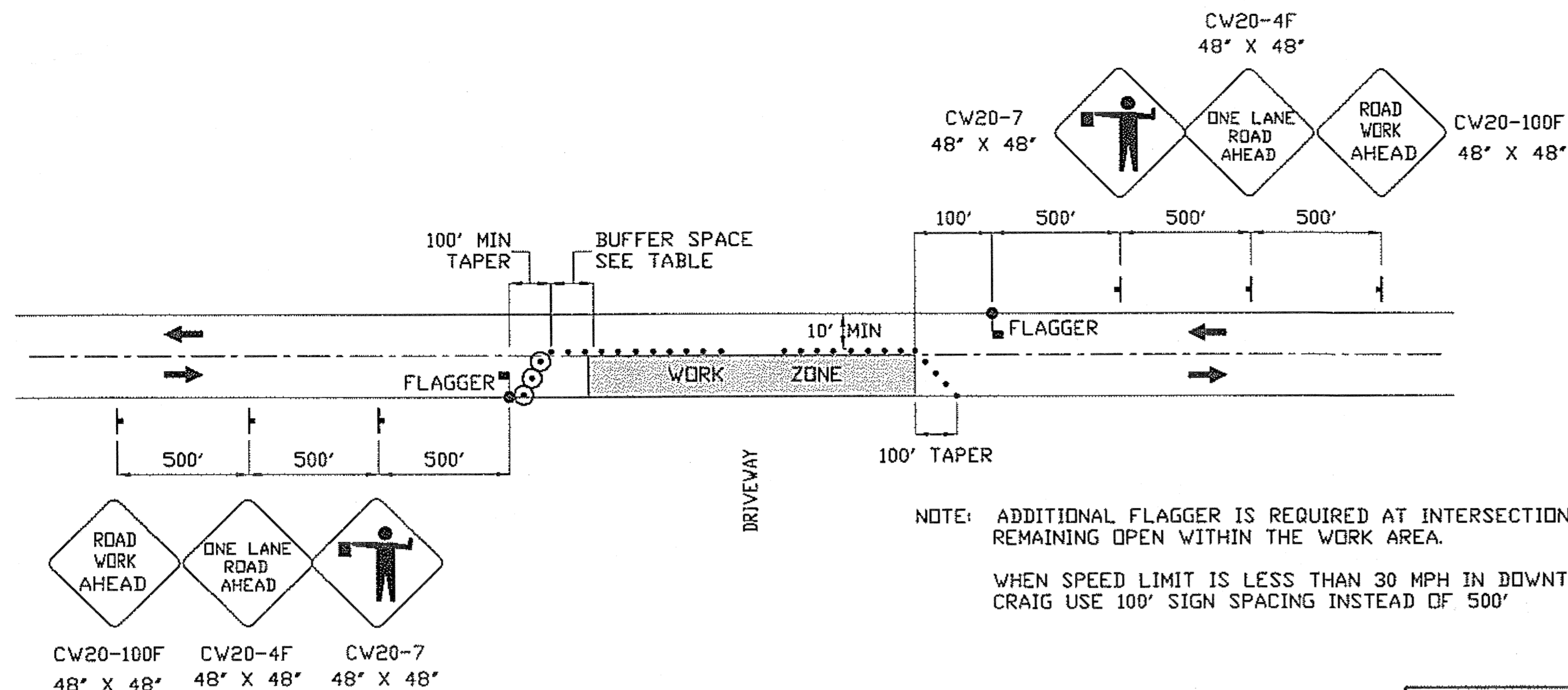
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 PE: *[Signature]* Date: 8-15-11

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DESIGNED BY: D. WILLIAMS DRAWN BY: B. WILSON		PATH: Q:\POW68784\PLANSET\1-SIGN SUMMARY.DWG TAB: P1 Friday, May 29, 2009 11:18:34 AM GRANTHAM, RICK L (DOT)												
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REVISIONS														
NO.	DATE	DESCRIPTION												

TRAFFIC CONTROL NOTES

1. MINIMUM OF ONE LANE SHALL REMAIN OPEN AT ALL TIMES IN WORK AREAS.
2. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
3. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
4. CHANNELIZATION DEVICES IF USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
5. DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY, PROVIDED THAT THE CLOSURE DOES NOT EXCEED 8 HOURS AND THE AFFECTED RESIDENTS HAVE BEEN GIVEN 24 HOURS NOTICE OF THE CLOSURE.
6. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE DETAILS FROM THESE SHEETS.
7. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
8. 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.
9. THE CONTRACTOR MUST PROVIDE PEDESTRIANS WITH ROUTE THROUGH WORK ZONE.
10. DELAY OF TRAFFIC MUST BE 10 MINUTES OR LESS. IF DELAY EXCEEDS 10 MINUTES, THE CONTRACTOR MUST REDUCE SIZE OF WORK ZONE.



TWO LANE ROADWAY-SINGLE LANE CLOSURE

LEGEND

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

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

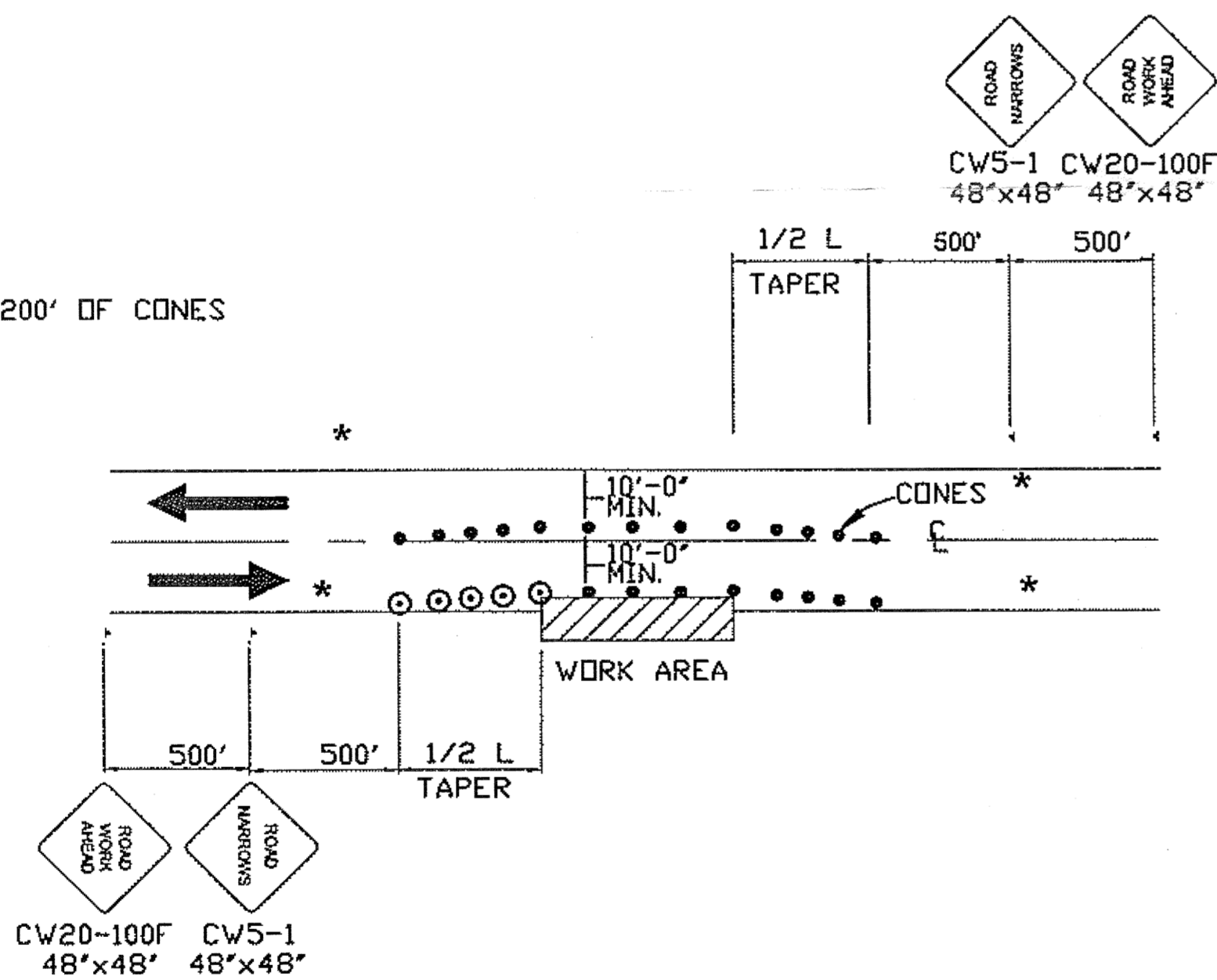
45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET
S = POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER LENGTH	
S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

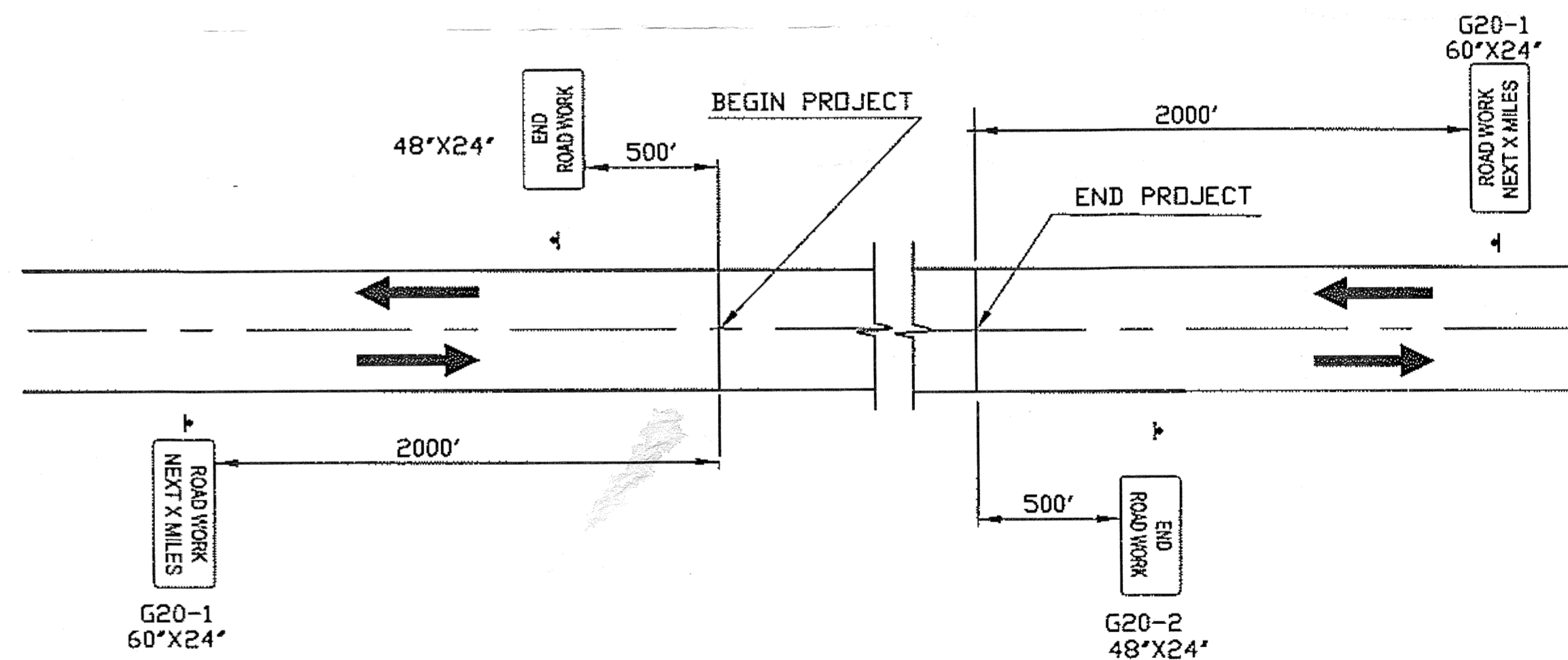
* NO PARKING WITHIN 200' OF CONES



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.

WHEN SPEED LIMIT IS LESS THAN 30 MPH IN DOWNTOWN CRAIG USE 100' SIGN SPACING INSTEAD OF 500'



PERMANENT CONSTRUCTION SIGNING

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 8-15-11

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DESIGNED BY: D. WILLIAMS DRAWN BY: B. WILSON		TRAFFIC CONTROL	
PATH: Q:\POW68784\PLANSETS-TRAFFIC_CONTROL.DWG TAB: S1 Friday, May 29, 2009 11:16:38 AM		GRANHAM, RICK L (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 68784	YEAR 2009
		SHEET NO. S1	TOTAL SHEETS 25