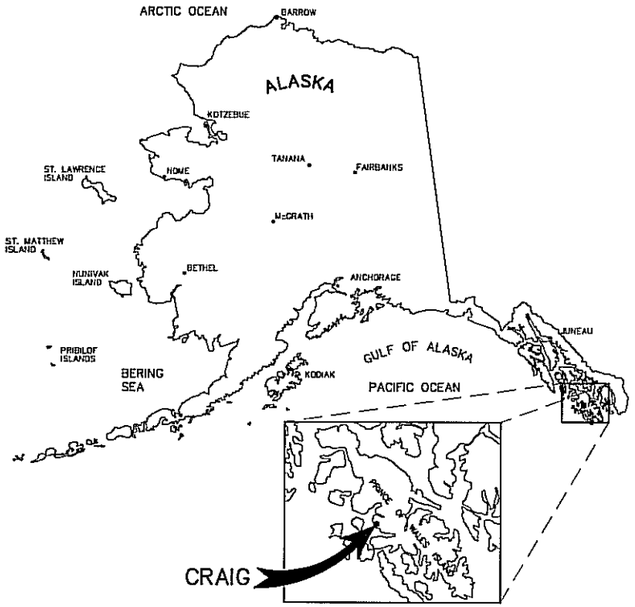
STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

CRAIG COMMUNITY STREETS IMPROVEMENTS

BIA TRANSPORTATION IMPROVEMENT PROJECT
CRAIG, ALASKA

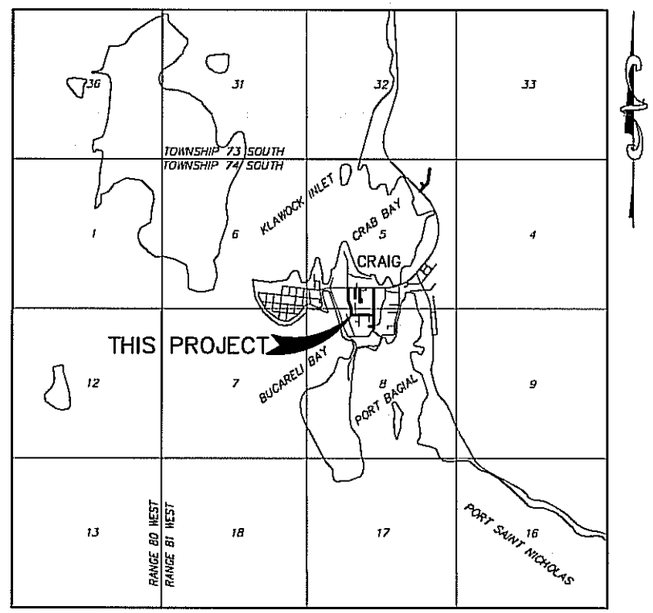


PROJECT LOCATION MAP

PROJECT SUMMARY					
NAME OF ROAD SEGMENT	STATION RANGE	IRR ROUTE NUMBER	WIDTH OF PROJECT		LENGTH OF PROJECT ROAD SURFACE
			ROAD SURFACE	RIGHT-OF WAY	
HILLTOP DRIVE	STA. 0+00.00 TO 9+79.80	0032	22'	30'	979.80'
WATER TOWER ROAD	STA. 10+00.00 TO 17+39.76	0034	22'	66'	739.76'
PORT BAGIAL BOULEVARD	STA. 20+00.00 TO 37+99.35	0036	22'	66'	1799.35'
KELSEY COURT	STA. 40+00.00 TO 41+57.06	0040	24'	30'	157.06'
T & H STREET	STA. 50+00.00 TO 53+49.42	0035	22'	40'	349.42'
SCHOOL STREET	STA. 60+00.00 TO 67+06.84	1002	24'	NONE	706.84'
TANNER CRAB COURT	STA. 70+00.00 TO 78+75.83	0043	24'	50'	875.83'
TANNER CRAB COURT SPUR	STA. 80+00.00 TO 81+52.46	0043	20'	50'	152.46'

SPECIFICATIONS:
ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2004 EDITION (U.S. CUSTOMARY UNITS)

TYPE OF CONSTRUCTION:
PROVIDE GRADING, APPLY LEVELING COURSE AND ASPHALT OVERLAY OVER EXISTING SURFACE.



SHIPPING POINTS:
SEATTLE, WA AND KETCHIKAN, AK

VICINITY MAP

APPROXIMATE SCALE: 1" = 1/2 MILE
SOURCE MAP: USGS QUADRANGLE CRAIG (A-3) ALASKA, 1951

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PLANS
L.1–L.6 PLAN

CRAIG COMMUNITY ASSOCIATION DATE

CITY OF CRAIG DATE

STATE OF ALASKA 49TH Brian L. Pederson CE9954 Aug-7-08 Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA Rodney P. Kinney Associates, Inc. CONSULTING ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
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CRAIG, ALASKA 99921
PHONE 907-826-3996
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CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

TITLE SHEET

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	AS SHOWN

SHEET NO. A.1

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

SHEET SPECIFICATIONS:

MODIFICATIONS TO ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (ADOT&PF) STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2004 EDITION (ENGLISH)

SECTION 101 – DEFINITIONS AND TERMS

101–1.03 DEFINITIONS. *MAKE THE FOLLOWING CHANGES:*
STATE, STATE OF ALASKA, DEPARTMENT, AND STATE OF ALASKA DEPARTMENT OF TRANSPORTATION SHALL BE UNDERSTOOD TO REFER TO THE CRAIG COMMUNITY ASSOCIATION.

CONTRACTING OFFICER (PROCUREMENT OFFICER). *DELETE* "THE COMMISSIONER OF THE DEPARTMENT" *AND REPLACE WITH:* "THE CRAIG COMMUNITY ASSOCIATION".

SECTION 104 – SCOPE OF WORK

104–1.05 CLEANUP. *DELETE "STATE OWNED"*

SECTION 105 – CONTROL OF WORK

105–1.04 COORDINATION OF PLANS, SPECIFICATIONS, AND SPECIAL PROVISIONS. *ADD THE FOLLOWING:*

FURNISH FULL-SIZE AS-BUILT WORKING DRAWINGS TO THE CRAIG COMMUNITY ASSOCIATION. THE CRAIG COMMUNITY ASSOCIATION WILL PROVIDE ONE SET OF CONTRACT DRAWINGS TO BE USED EXCLUSIVELY FOR RECORDING THE AS-BUILT DETAILS OF THE PROJECT. USE RED PENCIL OR RED INK TO RECORD THE INFORMATION DESCRIBED BELOW. NOTE ALL CHANGES IN ENGLISH. THE FINAL VERSION SHALL BE DRAFTED AND PLOTTED.

NOTE ALL ADDITIONS OR REVISIONS TO THE LOCATION, CHARACTER, AND DIMENSIONS OF THE PRESCRIBED WORK SHOWN ON THE CONTRACT DRAWINGS. LINE OUT ALL DETAILS SHOWN THAT ARE NOT APPLICABLE TO THE COMPLETED WORK. CHECK OFF DETAILS SHOWN THAT WERE INCORPORATED INTO THE COMPLETED WORK WITHOUT CHANGE.

RETAIN THE DRAWINGS AT THE PROJECT SITE AND AS WORK PROGRESSES CONTINUOUSLY UPDATE THEM TO REFLECT THE AS-BUILT DETAILS. UPON REQUEST, MAKE THE DRAWINGS AVAILABLE TO THE CRAIG COMMUNITY ASSOCIATION TO REVIEW FOR COMPLIANCE WITH THE SPECIFICATIONS.

AS A MINIMUM, SHOW THE FOLLOWING TYPES OF CHANGES ON THE AS-BUILT DRAWINGS:

1. REVISIONS IN DIMENSIONS
2. REVISIONS IN MATERIALS
3. CHANGES IN THE CONSTRUCTION LIMITS
4. LOCATION AND TYPE OF UTILITIES
5. LOCATION OF MONUMENTS AND PERMANENT REFERENCES
6. LOCATION, LENGTH, STATIONING, AND END TREATMENT OF GUARDRAIL

FINAL PAYMENT TO THE CONTRACTOR WILL NOT BE MADE UNTIL A CRAIG COMMUNITY ASSOCIATION APPROVED SET OF AS-BUILT DRAWINGS, WHICH WERE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ALASKA IS PROVIDED.

SECTION 107 – LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

107–1.06. SANITARY, HEALTH, AND SAFETY PROVISIONS. *ADD THE FOLLOWING AFTER NUMBER 5:*

6. EQUIP ALL MOTOR VEHICLES WHICH HAVE AN OBSTRUCTED VIEW TO THE REAR AND ALL MATERIAL HANDLING EQUIPMENT AS DESCRIBED IN 29 CFR SECTIONS 1926.601 AND 1926.602, OPERATING ON THE PROJECT WITH A REVERSE SIGNAL ALARM AUDIBLE ABOVE THE SURROUNDING NOISE LEVEL. AN OBSERVER IN LIEU OF THE ALARM IS NOT ACCEPTABLE.
7. EQUIP ALL CONSTRUCTION EQUIPMENT WITH SOUND CONTROL DEVICES WHICH COMPLY WITH THE EQUIPMENT NOISE STANDARDS OF THE ENVIRONMENTAL PROTECTION AGENCY. ALL EQUIPMENT SHALL HAVE MUFFLED EXHAUST. IF IT IS THE CONTRACTOR'S INTENTION TO WORK BEFORE SUNRISE OR AFTER SUNSET, THE CONTRACTOR WILL BE REQUIRED TO OPERATE LIGHT TOWERS IN THE LOCATION WHERE PERSONNEL ARE WORKING. ALL EQUIPMENT WILL BE EQUIPPED WITH THE PROPER LIGHTING.

107–1.21 ENVIRONMENTAL PROTECTION. *ADD THE FOLLOWING SUB-SECTION TO SECTION 107:*

SUBMIT WRITTEN PROOF PRIOR TO CONSTRUCTION ACTIVITIES ON OFF-PROJECT WORK AREAS (INCLUDING, BUT NOT LIMITED TO, NON-COMMERCIAL MATERIAL SOURCES, DISPOSAL SITES, WASTE AREAS, HAUL ROADS, AND STAGING AREAS) THAT SUCH ACTIVITIES SHALL NOT ENCROACH INTO OR AFFECT THE FOLLOWING:

(A) SITES LISTED OR ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES. THE WRITTEN PROOF SHALL BE SATISFACTORY TO THE REGIONAL TRANSPORTATION ARCHEOLOGIST AND THE CRAIG COMMUNITY ASSOCIATION FOR MEETING REGULATIONS IN SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT.

A HAZARDOUS SPILL PLAN SHALL BE SUBMITTED TO THE CRAIG COMMUNITY ASSOCIATION PRIOR TO CONSTRUCTION, STATING WHAT ACTIONS WILL BE TAKEN IN CASE OF A SPILL. THIS PLAN WILL ALSO INCORPORATE PREVENTIVE MEASURES TO BE IMPLEMENTED, SUCH AS THE PLACEMENT OF REFUELING FACILITIES, STORAGE AND HANDLING OF HAZARDOUS MATERIALS, ETC. REPORT ANY HAZARDOUS MATERIAL DISCOVERED, EXPOSED, OR RELEASED INTO THE AIR AND GROUNDWATER DURING CONSTRUCTION IMMEDIATELY TO THE CRAIG COMMUNITY ASSOCIATION.

IF ANY PETROLEUM PRODUCTS ARE STORED ON THE SITE, OR IF THE SITE IS USED AS A FUELING FACILITY, MATERIALS SUCH AS ABSORBENT PADS MUST BE AVAILABLE ON-SITE TO CONTAIN AND CLEAN UP ANY SPILLED FUEL, IN ACCORDANCE WITH, BUT NOT LIMITED TO, ALL STATE AND FEDERAL REGULATIONS.

SECTION 303 – RECONDITIONING

303–1.01 DESCRIPTION. *REVISE TO READ AS FOLLOWS:*

RECONDITION THE SURFACE OF AN EXISTING ROADBED.

303–3.01 CONSTRUCTION REQUIREMENTS. *DELETE THE FIRST, SECOND, AND THIRD LINE AND REPLACE WITH THE FOLLOWING:*

SCARIFY THE EXISTING SURFACE TO THE DEPTH AND LOCATION SHOWN ON THE PLANS.

ALL ROCKS LARGER THAN 4" SHALL BE REMOVED. NO ADDITIONAL PAYMENT FOR SUPPLEMENTARY AGGREGATE BASE COURSE.

SPREAD SURFACE MATERIAL TO LINE AND GRADE AND COMPACT UNIFORMLY AS SPECIFIED IN SUBSECTION 203–3.04.

303–4.01 METHOD OF MEASUREMENT: *ADD THE FOLLOWING:*

MEASURE RECONDITIONING BY THE SQUARE YARD.

SHEET SPECIFICATIONS (CONT.):

SECTION 639 – DRIVEWAYS

639–1.01 DESCRIPTION *REVISE TO READ THE FOLLOWING:*

CONSTRUCT RESIDENTIAL OR COMMERCIAL DRIVEWAYS OR ROADWAY INTERSECTIONS AT THE LOCATIONS SHOWN ON THE PLANS.

639–3.01 CONSTRUCTION *REVISE TO READ THE FOLLOWING:*

CONSTRUCT DRIVEWAYS AND ROADWAY INTERSECTIONS TO THE DIMENSIONS SHOWN ON THE PLANS.

639–4.01 METHOD OF MEASUREMENT *REVISE TO READ THE FOLLOWING:*

BY THE NUMBER OF DRIVEWAYS OR INTERSECTIONS CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED.

639–5.01 BASIS OF PAYMENT *REVISE THE SECOND SENTENCE AND PAY ITEM TABLE TO READ THE FOLLOWING:*

NO SEPARATE PAYMENT WILL BE MADE FOR MATERIALS REQUIRED TO CONSTRUCT DRIVEWAYS AND ROADWAY INTERSECTIONS.

PAY ITEM	PAY UNIT
639(1) RESIDENCE DRIVEWAY	EACH
639(2) COMMERCIAL DRIVEWAY	EACH
639(3) ROADWAY INTERSECTION	EACH

SECTION 642 – CONSTRUCTION SURVEYING AND MONUMENTS

642–3.01 GENERAL. *REVISE ITEM 9 TO READ AS FOLLOWS:*

9. STAKING, REFERENCING AND OTHER ACTIONS REQUIRED TO LOCATE, AND PRESERVE OR RESTORE, LAND MONUMENTS AND PROPERTY CORNERS.

642–3.03 MONUMENTS. *REPLACE THE FOURTH PARAGRAPH WITH THE FOLLOWING:*

ALL MONUMENTS WITHIN THE LIMITS OF WORK HAVE NOT BEEN IDENTIFIED IN THE PLANS. THE CONTRACTOR IS RESPONSIBLE TO SEARCH FOR ALL MONUMENTS OF RECORD THAT MAY BE DISTURBED BY THE CONTRACTOR'S WORK, AND TO PRESERVE OR REPLACE ALL EXISTING MONUMENTS IN ACCORDANCE WITH THIS SECTION. NO ADDITIONAL PAYMENT WILL BE INCLUDED FOR THIS WORK. IT IS SUBSIDIARY TO ITEM 642(1) CONSTRUCTION SURVEYING.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2004 EDITION (U.S. CUSTOMARY UNITS).
2. THIS PROJECT SHALL COMPLY WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES). A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MUST BE DEVELOPED FOR THIS PROJECT. PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A COPY OF THE NOTICE OF INTENT (NOI) AND A NOTICE OF TERMINATION (NOT) TO THE CRAIG COMMUNITY ASSOCIATION, IN COMPLIANCE WITH NPDES.
3. THE LIMIT OF WORK FOR THE CONSTRUCTION SHALL BE DESIGNED AT THE LIMIT OF FILL OR EXCAVATION UNLESS OTHERWISE SHOWN. THE CONTRACTOR SHALL NOT WORK OUTSIDE THE LIMITS OF WORK WITHOUT PRIOR APPROVAL BY CRAIG COMMUNITY ASSOCIATION. THE CONTRACTOR IS SOLELY LIABLE FOR ALL DAMAGES AND RESTITUTION FOR ANY DISTURBANCE OUTSIDE THE WORK LIMITS. THIS INCLUDES RODNEY P. KINNEY ASSOCIATES, INC., THE CRAIG COMMUNITY ASSOCIATION, AND THE CITY OF CRAIG FROM LITIGATION ARISING FROM THE CONTRACTOR'S ACTIONS.
4. THE CONTRACTOR SHALL SUBMIT A MINING PLAN, MATERIAL AGREEMENTS FORM, AND ALL PERMITS TO THE CRAIG COMMUNITY ASSOCIATION BEFORE STARTING MINING OPERATIONS OR WHENEVER THE CONTRACTOR PROPOSES A CHANGE. THE MINING PLAN IS FOR CONSTRUCTION PURPOSES ONLY, AND ITS SUBMITTAL TO AND REVIEW BY CRAIG COMMUNITY ASSOCIATION SHALL NOT ABSOLVE THE CONTRACTOR OF RESPONSIBILITY FOR FEDERAL, STATE, AND LOCAL REGULATIONS. THE PERMITS AND MATERIAL AGREEMENTS SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
5. UTILITY LOCATIONS SHOWN, BOTH HORIZONTAL AND VERTICAL, ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES BY OBTAINING UTILITY LOCATES PRIOR TO CONSTRUCTION IN ACCORDANCE WITH SECTION 107.02. PROTECT ALL EXISTING FACILITIES (I.E. PEDESTALS, ELECTRICAL TRANSFORMERS) FROM DAMAGE DURING PAVING. HANDWORK MAY BE REQUIRED TO PAVE AROUND EXISTING FACILITIES. CONTRACTOR SHALL COORDINATE WITH THE CITY OF CRAIG REGARDING THE ADJUSTMENTS OF ALL UTILITIES.
6. THE CONTRACTOR SHALL SUBMIT A QUALITY CONTROL PLAN IN ACCORDANCE WITH SECTION 106–1.03. TESTING FREQUENCY SHALL MEET SECTION 106–1.03 OF THE SPECIAL CONTRACT REQUIREMENTS.
7. CONTRACTOR SHALL SUBMIT TO THE CRAIG COMMUNITY ASSOCIATION FOR APPROVAL A CONSTRUCTION METHODS PLAN FOR THE PROPOSED EARTHWORK AND STRUCTURE PLACEMENT INCLUDING, BUT NOT LIMITED TO, TECHNIQUES FOR DEWATERING, DIVERTING, SHORING DESIGN, SHORING, PROTECTING EXISTING FEATURES FROM DAMAGE, SECURITY OF JOB SITE, WATER FOR DUST CONTROL, AND REMOVAL OF EXISTING DRAINAGE STRUCTURES.
8. QUANTITIES SHOWN WITH THE UNIT OF MEASUREMENT BEING CUBIC YARDS SHALL BE MEASURED IN-PLACE IN ACCORDANCE WITH SECTION 109–1.02(3). QUANTITIES SHOWN WITH THE UNIT OF MEASUREMENT BEING SQUARE YARDS SHALL BE MEASURED IN ACCORDANCE WITH SECTION 109–1.02(11).
9. SIGNS SHALL BE FIELD LOCATED AT THE TIME OF CONSTRUCTION. CONTRACTOR TO REMOVE AND RELOCATE EXISTING TRAFFIC SIGNS AS REQUIRED TO FACILITATE PACING. CONTRACTOR TO PROVIDE TEMPORARY SIGNAGE. COST OF MOVING SIGN IS SUBSIDIARY TO SECTION 401.
10. THE CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION TO ALL DRIVEWAYS AND PARKING AREAS INSIDE OF THE RIGHT-OF-WAY, IDENTIFIED EASEMENTS, OR TEMPORARY DRIVEWAY PERMITS.
11. CONTRACTOR TO RELOCATE JERSEY BARRIERS AS REQUIRED TO FACILITATE PAVING. CONTRACTOR TO PROVIDE FOR TEMPORARY PROTECTION. COST OF MOVING JERSEY BARRIERS IS SUBSIDIARY TO SECTION 401.
12. CONTRACTOR TO REMOVE AND RELOCATE PARKING STOPS AS REQUIRED TO FACILITATE PAVING. COST OF MOVING PARKING STOPS IS SUBSIDIARY TO SECTION 401.

PLAN LEGEND

EXISTING	NEW	
		BUILDING
		CULVERT
		ASPHALTIC CONCRETE
		CHIP SEAL
		ROADWAY CENTERLINE
———100———		CONTOUR (MAJOR)
———102———		CONTOUR (MINOR)
		EASEMENT
———E———		ELECTRIC LINE
———X———		FENCE
		GUARDRAIL
———OHL———		OVERHEAD LINE
		PROPERTY LINE/R.O.W
		ROCK WALL
———S———		SANITARY SEWER LINE
		SECTION LINE
———W———		WATER LINE

EXISTING	NEW	
		BOLLARD
		BOULDER
		CATCH BASIN INLET
		CLEAN OUT
		ELECTRIC PEDESTAL
		FIRE HYDRANT
		FOUND BRASS CAP
		FOUND ALCAP
		FOUND YELLOW PLASTIC CAP
		FOUND IRON PIPE
		FOUND REBAR
		GUY WIRE
		LIGHT POLE
		POWER POLE
		SANITARY SEWER MANHOLE
		SANITARY SEWER LIFT STATION
	1	SIGN AND CALLOUT
		TRANSFORMER
		TREE/BUSH
		WATER KEYBOX
		WATER METER
		WATER OVERFLOW OUTLET
		WATER VALVE
		WATER WELL

ABBREVIATIONS

ADOT&PF	ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	N/A	NOT APPLICABLE
		NTS	NOT TO SCALE
APPROX.	APPROXIMATE	OHL	OVERHEAD LINE
AST	ASPHALT SURFACE TREATMENT	PC	POINT OF CURVATURE
CL	CENTERLINE	PT	POINT OF TANGENCY
E	EAST/EASTING	PL	PROPERTY LINE
EL.	ELEVATION	R	RADIUS
FT	FEET	R.O.W.	RIGHT-OF-WAY
H/HORZ.	HORIZONTAL	S	SOUTH
L	LENGTH OF CURVE	SEC.	SECTION
L.F.	LINEAR FOOT	STA.	STATION
MAX.	MAXIMUM	T	TANGENT
MIN.	MINIMUM	TBM	TEMPORARY BENCH MARK
MON	MONUMENT	TYP.	TYPICAL
N	NORTH/NORTHING	V/VERT.	VERTICAL
NO.	NUMBER	W	WEST

STATE OF ALASKA
49TH
Brian L. Pederson
CE9534
Aug-1-08
Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
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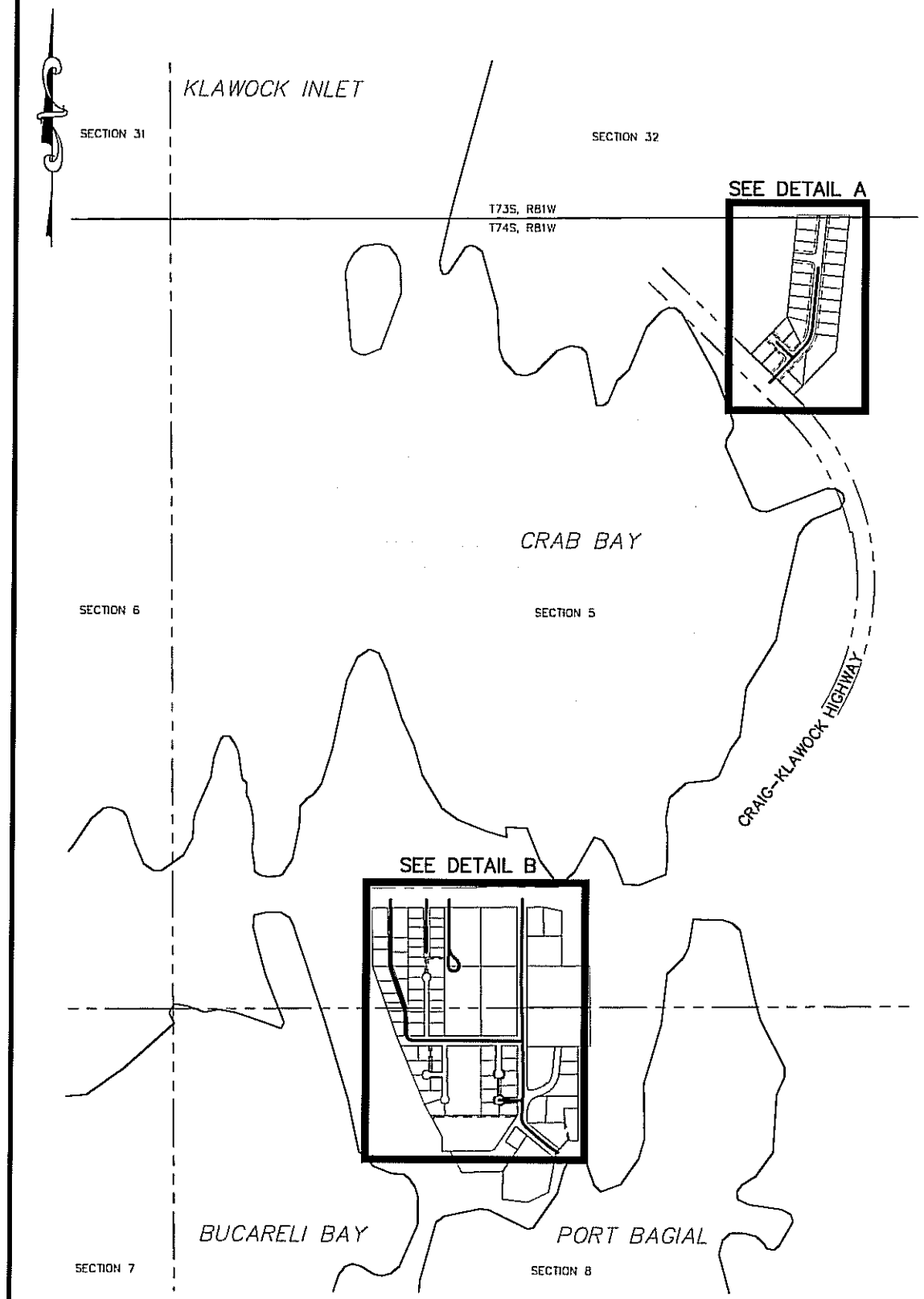
CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

LEGEND, ABBREVIATIONS, GENERAL NOTES, SHEET SPECIFICATIONS

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

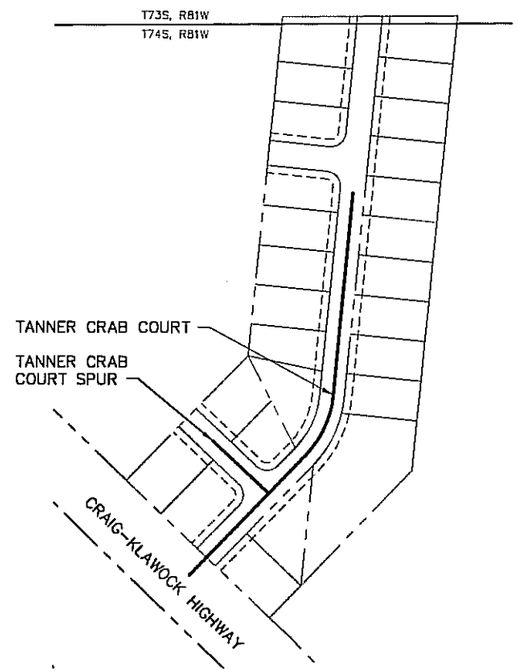
SHEET NO.
A.2

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	-	5, 8	74 S	81 W	COPPER RIVER	2008

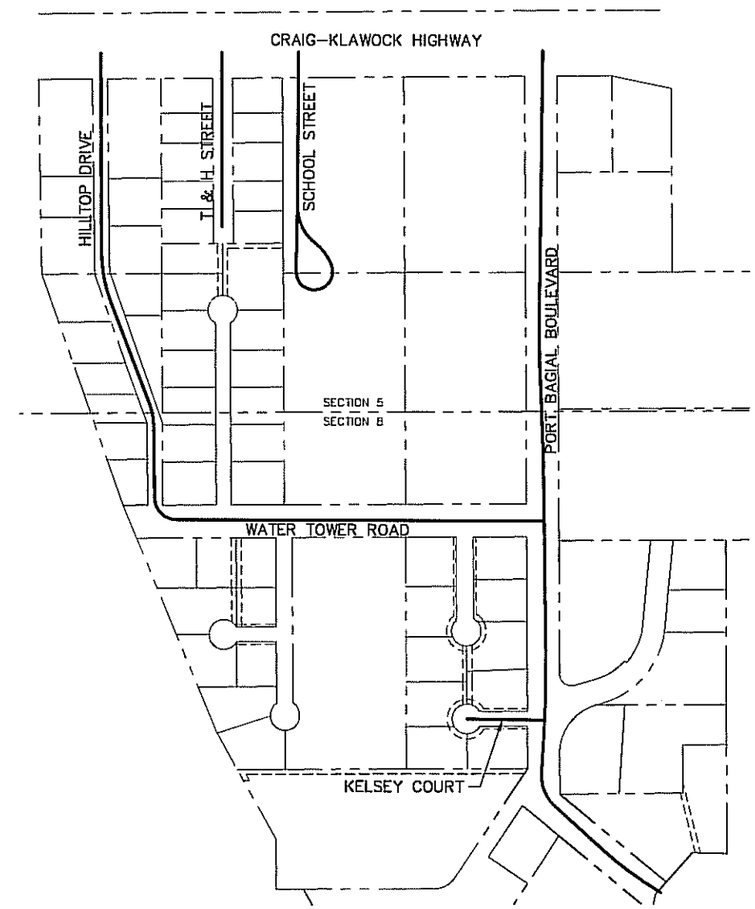


KEY MAP
1"=500'

GRAPHIC SCALE
150 0 75 150 300 600
(IN FEET)
1 inch = 150 ft.



DETAIL A
1"=150'



DETAIL B
1"=150'

SHEET REFERENCE TABLE	
STREET NAME	SHEETS
HILLTOP DRIVE	L.1
WATER TOWN ROAD	L.2
PORT BAGIAL BOULEVARD	L.3
KELSEY COURT	L.4
T & H STREET	L.4
SCHOOL STREET	L.5
TANNER CRAB COURT	L.6
TANNER CRAB COURT SPUR	L.6

STATE OF ALASKA 49TH Brian L. Pederson CE9934 Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA
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EMAIL:CGTRIBE@AFTALASKA.NET

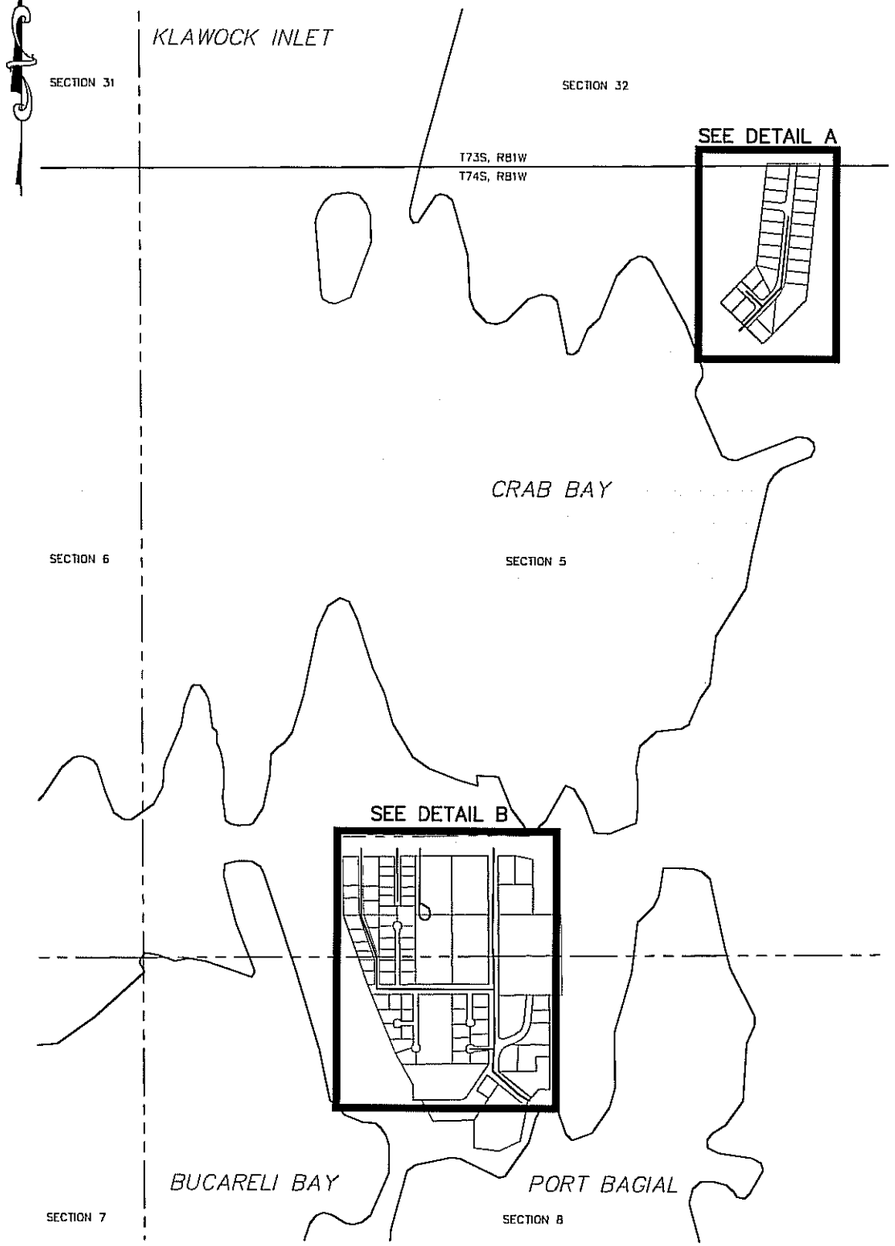
CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

KEY MAP

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	Aug 01, 2008
SCALE:	1" = 150'

SHEET NO.
A.3

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008



KEY MAP
1"=500'

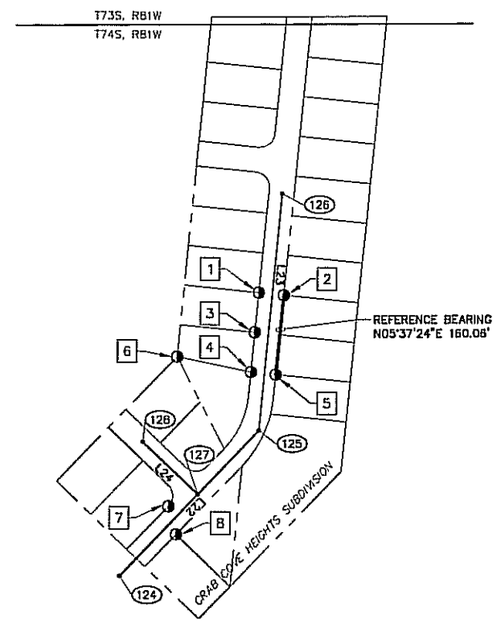
GRAPHIC SCALE
(IN FEET)
1 inch = 150 ft.

LEGEND
(THIS SHEET ONLY)

- FOUND BRASS CAP
- FOUND ALCAP
- CONTROL POINTS
- PI NUMBER
- L1 PI TANGENT
- PROPERTY LINE
- PROPOSED ROAD

BASIS OF BEARING
THE BASIS OF BEARING ON THIS PROJECT IS GPS NORTH, DETERMINED BY A HIGH PRECISION GPS SURVEY USING TRIMBLE R8 & 5700 RECEIVERS DIFFERENTIALLY CORRECTED AND PROCESSED USING TRIMBLE SURVEY OFFICE SOFTWARE. A BEARING REFERENCE LINE IS SHOWN ON THIS SURVEY CONTROL SHEET TO ENABLE THE CONTRACTOR TO CALIBRATE TO THE PROJECT BASIS.

NOTE:
1. SEE SHEET B.2 FOR MONUMENTATION, SURVEY CONTROL TABLE, AND PI AND TANGENT TABLE.
2. SECTION LINES SHOWN HAVE NOT BEEN SURVEYED AND LOCATIONS ARE APPROXIMATE ONLY.

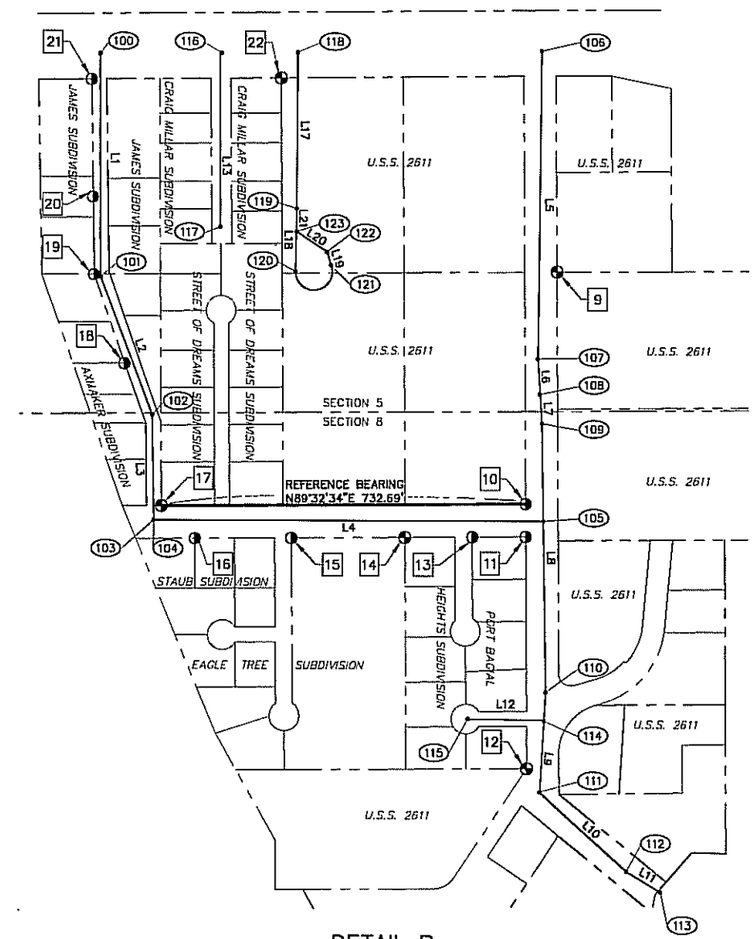


DETAIL A
1"=150'

BASIS OF COORDINATES AND VERTICAL CONTROL
(DETAIL A ONLY)

2 2" ALUMINUM CAP

N.= 1334870.6250
E.= 2798060.9300
EL.= 64.78'
(ASSUMED)



DETAIL B
1"=150'

BASIS OF COORDINATES AND VERTICAL CONTROL
(DETAIL B ONLY)

17 3 1/4" BRASS CAP

N.= 1329926.4530
E.= 2795337.0580
EL.= 104.76'
(ASSUMED)

STATE OF ALASKA 49TH Brian L. Pederson LS-10581 Professional Land Surveyor

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
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CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

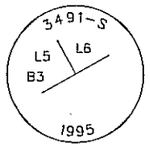
SURVEY CONTROL DIAGRAM

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	Aug 01, 2008
SCALE:	1" = 150'

SHEET NO.
B.1

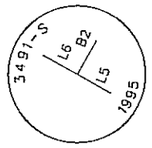
STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

1



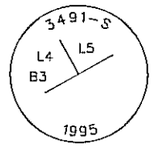
2" ALUMINUM CAP

2



2" ALUMINUM CAP

3



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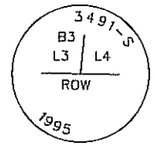
4



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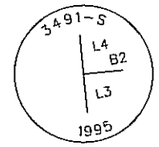
5



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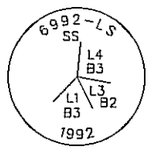

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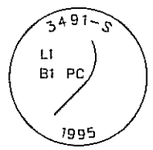
7



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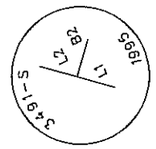
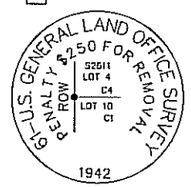


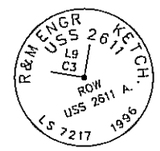
2" ALUMINUM CAP

9



3 1/4" BRASS CAP

10



2" ALUMINUM CAP

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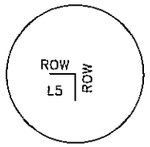

2" ALUMINUM CAP

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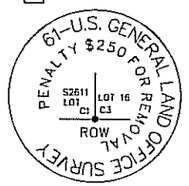
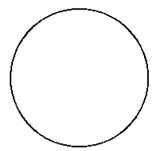


3 1/4" BRASS CAP

13

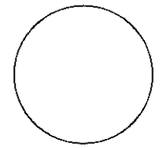


2" ALUMINUM CAP

14

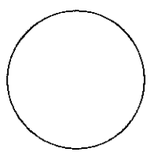
3 1/4" BRASS CAP

15



2" ALUMINUM CAP

16



2" ALUMINUM CAP

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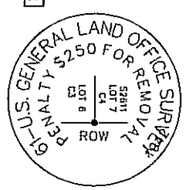
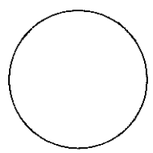


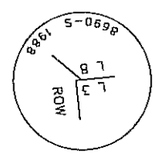
3 1/4" BRASS CAP

18



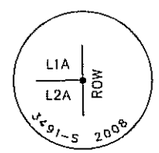
2" ALUMINUM CAP

19



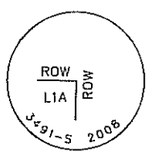
2" ALUMINUM CAP

20



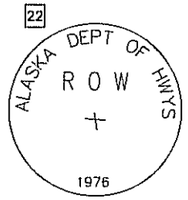
2" ALUMINUM CAP

21



2" ALUMINUM CAP

22



3 1/4" BRASS CAP

SURVEY CONTROL TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1334875.5630	2798011.0210	65.99'
2	1334870.6520	2798060.9300	64.78'
3	1334795.9440	2798003.2510	60.57'
4	1334716.3000	2797995.8310	57.26'
5	1334711.3330	2798045.2460	58.44'
6	1334746.5850	2797847.8580	56.44'
7	1334446.6780	2797831.3160	50.20'
8	1334390.4010	2797846.5950	49.46'
9	1330397.8930	2796132.4410	74.67'
10	1329932.3000	2796069.7270	94.96'
11	1329866.2810	2796069.9210	99.21'
12	1329401.5680	2796073.6940	64.81'
13	1329865.5110	2795962.2980	100.24'
14	1329864.2160	2795825.4720	109.25'
15	1329862.4410	2795598.0190	109.14'
16	1329861.1560	2795405.0870	106.63'
17	1329926.4530	2795337.0580	104.76'
18	1330211.5950	2795261.3380	95.31'
19	1330389.8010	2795199.1450	90.58'
20	1330545.8220	2795196.7310	79.68'
21	1330781.9470	2795193.3030	65.28'
22	1330785.6280	2795574.6320	63.20'

NOTES: (THIS SHEET ONLY)

1. SEE SHEET B.1 FOR SURVEY CONTROL DIAGRAM AND PI AND TANGENT DIAGRAM.
2. ALL MONUMENTS SHOWN ON THIS SHEET ARE ORIENTATED AS FOUND IN THE FIELD, DURING THE SURVEY INVESTIGATION CONDUCTED APRIL–MAY 2008.

PI AND TANGENT TABLE					
PI COORDINATE			TANGENTS BETWEEN PI'S		
POINT	NORTHING	EASTING	LINE	BEARING	LENGTH
HILLTOP DRIVE					
100	1330834.1389	2795210.5967			
101	1330385.4452	2795212.5176	L1	S00°14'43"E	448.70'
102	1330108.7373	2795317.8018	L2	S20°49'52"E	296.06'
103	1329897.8874	2795321.5720	L3	S01°01'28"E	210.88'
WATER TOWER ROAD					
104	1329897.8874	2795321.5720			
105	1329897.7424	2796105.5286	L4	S89°59'22"E	783.96'
PORT BAGIAL BOULEVARD					
106	1330841.7969	2796099.6199			
107	1330223.4413	2796093.5132	L5	S00°33'57"W	618.39'
108	1330152.1957	2796097.9024	L6	N03°31'31"W	71.38'
109	1330093.7751	2796102.1357	L7	N04°08'40"W	58.57'
110	1329554.2704	2796111.4734	L8	S00°59'30"E	539.59'
111	1329354.3654	2796099.8170	L9	S03°20'14"W	200.24'
112	1329196.1715	2796275.9889	L10	S48°04'40"E	236.77'
113	1329154.5085	2796344.5723	L11	S58°43'20"E	80.25'
KELSEY COURT					
114	1329499.1995	2796108.1574			
115	1329500.7742	2795951.1005	L12	N89°25'32"W	157.06'
T & H STREET					
116	1330835.8866	2795452.5721			
117	1330486.4682	2795454.3975	L13	S00°17'58"W	349.42'
SCHOOL STREET					
118	1330837.5706	2795607.5416			
119	1330523.5162	2795606.4571	L14	S00°11'52"W	314.06'
120	1330397.5426	2795604.2221	L15	S01°00'59"W	125.99'
121	1330410.3557	2795675.6473	L16	N16°58'41"W	27.81'
122	1330436.9544	2795667.5263	L17	N56°19'38"W	73.57'
123	1330477.7560	2795606.2991	L18	N00°11'52"E	45.76'
TANNER CRAB COURT					
124	1334306.4732	2797733.3200			
125	1334599.0290	2798011.7943	L19	N43°35'15"E	403.90'
126	1335073.9916	2798056.7503	L20	N05°24'25"E	477.09'
TANNER CRAB COURT SPUR					
127	1334470.7746	2797889.7099			
128	1334575.6278	2797779.0293	L21	N46°32'55"E	152.46'

STATE OF ALASKA 49TH Brian L. Pederson LS-10801 Professional Land Surveyor

REV.	DATE	DESCRIPTION	BY

RPKA Rodney P. Kinney Associates, Inc. CONSULTING ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
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EMAIL:CGTRIBE@AFTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

SURVEY CONTROL MONUMENTATION, PI AND TANGENT TABLE

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	NTS

SHEET NO. B.2

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTIFIES
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	1454
301 (2)	AGGREGATE BASE COURSE, GRADING D	CUBIC YARD	1420
303 (3)	RECONDITIONING	SQUARE YARD	2601
401 (1)	ASPHALT CONCRETE, TYPE 1, CLASS B	TON	2094
401 (2)	ASPHALT CEMENT, GRADE PG 58–28	TON	115
401 (9)	MINERAL FILLER	TON	21
402 (1)	STE – 1 ASPHALT TACK COAT	TON	6
604 (4)	ADJUST EXISTING MANHOLE	EACH	5
604 (8)	ADJUST EXISTING INLET	EACH	4
615 (1)	STANDARD SIGNS	SQUARE FOOT	19
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	1
639 (1)	RESIDENTIAL DRIVEWAY	EACH	57
639 (3)	ROADWAY INTERSECTIONS	EACH	8
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641 (3)	TEMPORARY SOIL EROSION AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEY AND STAKING	LUMP SUM	ALL REQUIRED
643 (2)	TEMPORARY TRAFFIC CONTROL	LUMP SUM	ALL REQUIRED
646 (1)	CMP SCHEDULING	LUMP SUM	ALL REQUIRED

UTILITY RELOCATION/ADJUSTMENT TABLE

TYPE	STREET NAME	LOCATION	OFFSET
ADJUST CATCH BASIN	HILLTOP DRIVE	0+06.13	21.98' R
ADJUST KEY BOX	HILLTOP DRIVE	1+48.21	0.54' L
ADJUST SEWER MANHOLE	PORT BAGIAL BOULEVARD	25+04.88	7.17' L
ADJUST SEWER MANHOLE	PORT BAGIAL BOULEVARD	26+93.06	7.01' L
ADJUST SEWER MANHOLE	KELSEY COURT	40+35.81	9.02' R
ADJUST SEWER MANHOLE	T & H STREET	53+19.20	6.13' R
ADJUST SEWER MANHOLE	TANNER CRAB COURT	70+09.23	8.20' R
ADJUST CATCH BASIN	BASEBALL FIELD PARKING	N=1334583.1020 E=2797713.3690	–
ADJUST CLEANOUT	BASEBALL FIELD PARKING	N=1334572.0640 E=2797736.5860	–
ADJUST CATCH BASIN	BASEBALL FIELD PARKING	N=1334668.2710 E=2797773.2120	–

NOTE:
CONTRACTOR SHALL COORDINATE WITH THE CITY OF CRAIG REGARDING THE ADJUSTMENT OF ALL UTILITIES.

ESTIMATING FACTORS

ITEM	DESCRIPTION	FACTOR
401 (1)	ASPHALT CONCRETE	1.89 TONS/CUBIC YARD
401 (2)	ASPHALT CEMENT	5.5% OF 401 (1)
401 (9)	MINERAL FILLER	1.0% OF 401 (1)
402 (1)	TACK COAT	0.000323 TONS/SQUARE YARD

SIGNAGE SUMMARY

SIGN NO. SHEET NO.	LOCATION	LEGEND	SIGN TYPE (SEE NOTE 1 THIS SHEET)	SIZE	FACING
1 SHEET NO. L.2	STA. 17+14.50 25' RIGHT	STOP	R1–1	30"x30"	W
2 SHEET NO. L.4	STA. 50+20.23 18' RIGHT	STOP	R1–1	30"x30"	S
3 SHEET NO. L.6	STA. 80+24.00 23' RIGHT	STOP	R1–1	30"x30"	NW

NOTES:
1. REFERENCE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", 2000 EDITION, "ALASKA TRAFFIC MANUAL SUPPLEMENT", JANUARY 2003 EDITION, AND "ALASKA SIGN DESIGN SPECIFICATIONS."
2. INSTALL SIGNS IN ACCORDANCE WITH ADOT&PF STANDARD DETAILS S–05.01, S–20.10, AND S–30.03, (4' SOIL EMBEDMENT) WITH 2 1/4" x 2 1/4" PERFORATED STEEL TUBE POST.
3. SIGN LOCATION SHALL BE OFFSET FROM CENTERLINE OF ALIGNMENT TO CENTER OF POST, UNLESS OTHERWISE INDICATED.

STATE OF ALASKA 49TH Brian L. Pederson CE9894 4-3-08 Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
MUNICIPAL ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
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PHONE 907-826-3996
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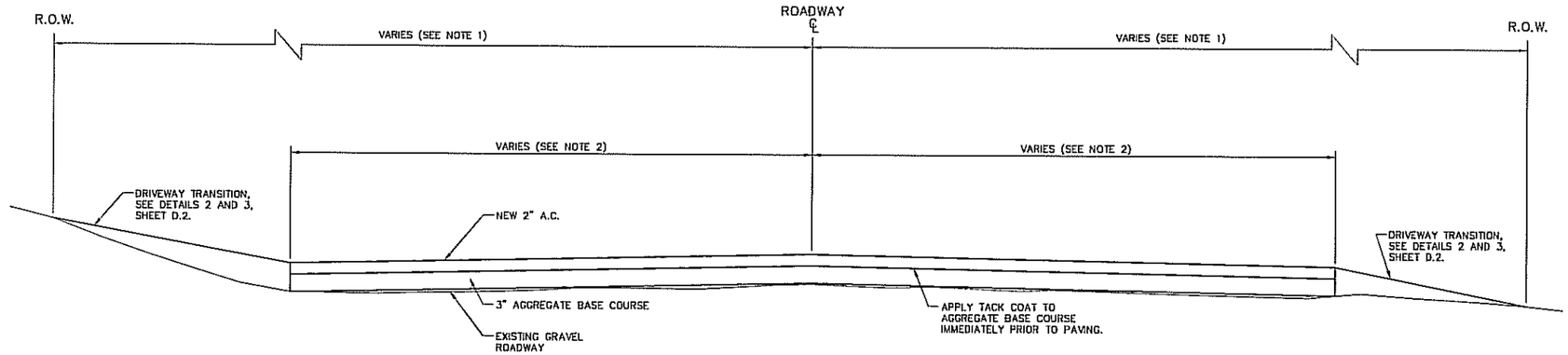
CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

SUMMARY TABLES: QUANTITIES, UTILITY RELOCATION/ ADJUSTMENT, AND SIGNAGE

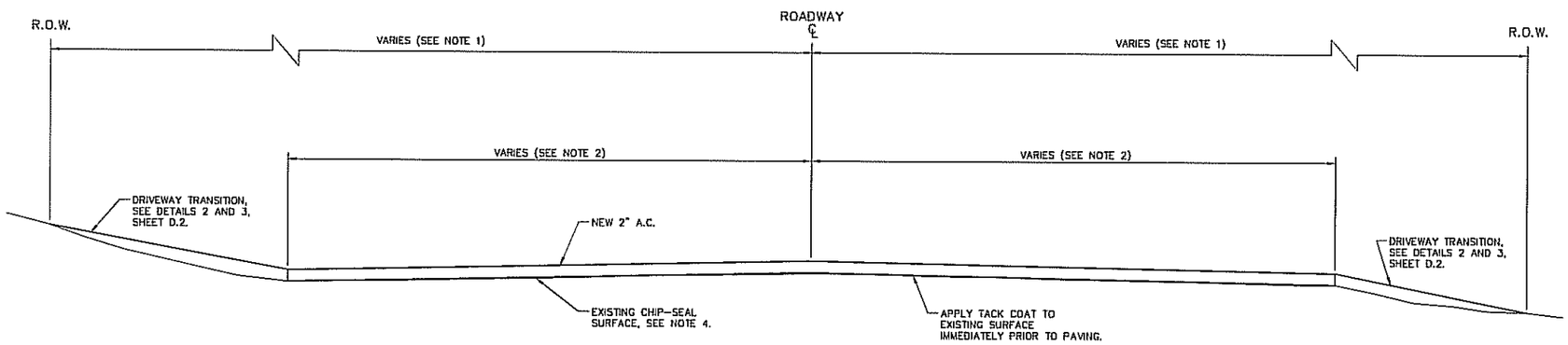
DESIGNED BY:	BLP
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

SHEET NO.
C.1

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008



1 / D.1 TYPICAL ASPHALT OVERLAY SECTION WITH LEVELING COURSE -NTS-



2 / D.1 TYPICAL ASPHALT OVERLAY SECTION OVER CHIP-SEAL SURFACE -NTS-

NOTES:

1. RIGHT-OF-WAY WIDTHS VARY FOR EACH ROUTE. FOR RIGHT-OF-WAY WIDTHS, SEE THE PROJECT SUMMARY TABLE ON SHEET A.1 OR PLAN SHEETS L1-L6.
2. ASPHALT OVERLAY WIDTHS VARY FOR EACH ROAD. TYPICALLY ASPHALT OVERLAY WILL FOLLOW EXISTING ROADWAY SURFACE, UNLESS OTHERWISE INDICATED. ESTIMATED OVERLAY WIDTHS CAN BE FOUND IN THE PROJECT SUMMARY TABLE ON SHEET A.1 OR ON PLAN SHEETS L1-L6.
3. STREET IMPROVEMENTS WILL INCLUDE GRADING, LEVELING COURSE, AND ASPHALT OVERLAY WITH THE EXCEPTION OF WATER TOWER ROAD AND PORT BAGIAL BOULEVARD (STATION 20+00 – 24+50) WHICH WILL INCLUDE ONLY AN ASPHALT OVERLAY OVER THE EXISTING CHIP-SEAL SURFACE.
4. AT LOCATIONS WHERE NEW PAVEMENT IS WIDER THAN EXISTING CHIP-SEAL SURFACE, PROVIDE TYPICAL AGGREGATE BASE COURSE PRIOR TO ASPHALT OVER.AY.

STATE OF ALASKA 49TH Brian L. Pederson CE9634 8-3-08 Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA Rodney P. Kinney Associates, Inc. Registered Engineers & Surveyors

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EMAIL:CGTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

TYPICAL SECTIONS

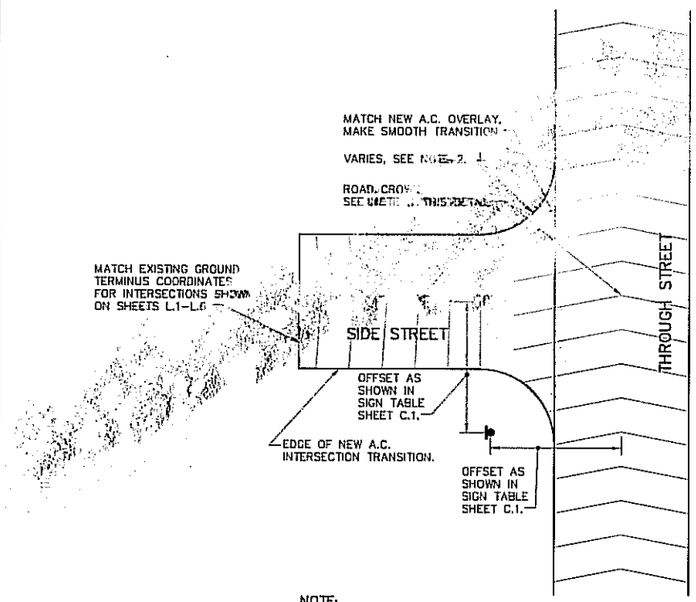
DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	NTS

SHEET NO. D.1

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

DRIVEWAY TABLE

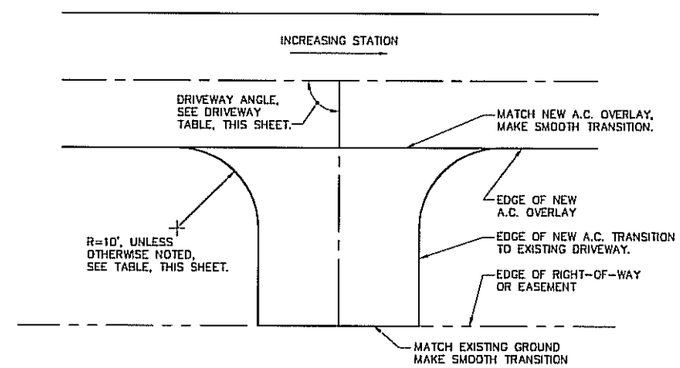
STATION	WIDTH (FEET)	RADIUS (FEET)	DRIVEWAY ANGLE
0+38	18	10	90°
1+98	18	10	90°
3+24	18	10	90°
4+60	12	10	90°
4+62	12	10	90°
5+23	12	5	90°
5+32	12	10	90°
5+58	12	5	90°
5+96	12	10	90°
6+20	12	10	90°
6+65	12	5	90°
7+19	12	5	90°
7+80	12	5	90°
7+82	12	10	90°
9+60	12	10	80°
10+12	12	10	90°
10+74	12	10	90°
15+00	24	10	90°
20+89	24	10	90°
21+96	12	10	90°
22+66	24	10	90°
23+39	12	10	90°
23+60	12	10	90°
36+93	12	10	54°
41+37	12	5	3°
41+68	12	5	94°
41+83	12	5	37°
50+75	12	10	90°
50+85	12	5	90°
51+19	12	5	90°
51+70	12	5	90°
51+71	12	10	90°
52+11	12	10	90°
52+66	12	5	90°
52+92	12	10	90°
53+42	12	10	39°
53+43	12	10	29°
71+20	12	10	90°
71+47	12	10	90°
72+00	12	10	90°
72+76	12	10	90°
73+70	12	10	90°
74+68	12	10	90°
74+74	12	10	90°
75+72	12	10	90°
75+77	12	10	90°
76+13	12	10	90°
76+55	12	10	90°
76+95	12	10	90°
77+18	12	10	90°
77+71 R	12	10	90°
77+71 L	12	10	90°
78+16	12	10	90°
78+49	12	10	90°
78+54	18	10	90°



NOTE:
1. THROUGH–ROAD RETAINS CROWN. SIDE ROADS, WHICH HAVE STOP OR YIELD SIGNS, ARE SHAPED TO MATCH THE EDGE OF THROUGH–ROAD BY TRANSITIONING FROM CROWN SURFACE TO MATCH GRADE OF THROUGH–ROAD.
2. RADIUS VARIES TO FOLLOW EXISTING CONDITIONS. SEE COORDINATE TABLES ON PLAN SHEETS L1–L6 FOR RADIUS VALUES.

1 / D.2 TYPICAL INTERSECTION DETAIL

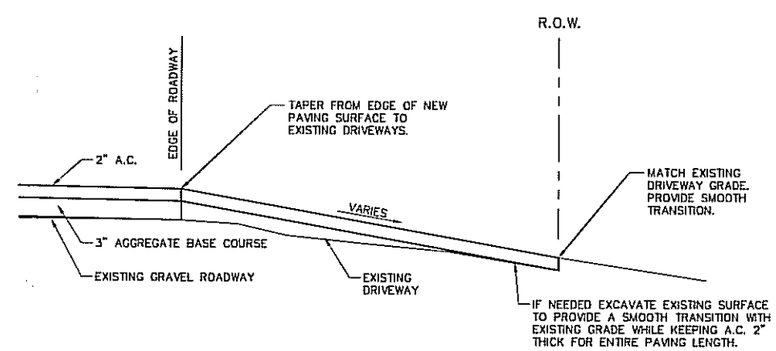
–NTS–



NOTE:
FOR MOST DRIVEWAYS ON HILLTOP DRIVE AND KELSEY COURT, THE SHORT DISTANCE FROM THE OVERLAY TO THE EXISTING RIGHT–OF–WAY MAKES CONSTRUCTION FOR A TYPICAL DRIVEWAY DIFFICULT. FOR DRIVEWAYS WITH MINIMAL CONSTRUCTION AREAS, TAPER AC TO PROVIDE A SMOOTH TRANSITION WITHIN RIGHT–OF–WAY.

2 / D.2 TYPICAL DRIVEWAY DETAIL
PLAN VIEW

–NTS–



3 / D.2 TYPICAL DRIVEWAY SECTION DETAIL

–NTS–

STATE OF ALASKA 49TH Brian L. Pederson CE9934 Aug-7-08 Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA Rodney P. Kinney Associates, Inc. CONSULTING ENGINEERS & SURVEYORS

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CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

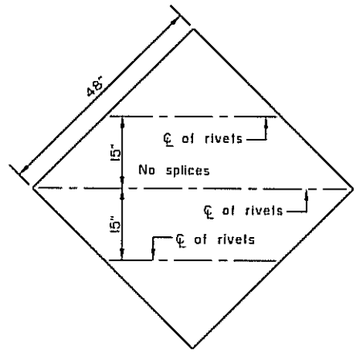
DRIVEWAY SUMMARY, INTERSECTION DETAIL, AND DRIVEWAY DETAILS

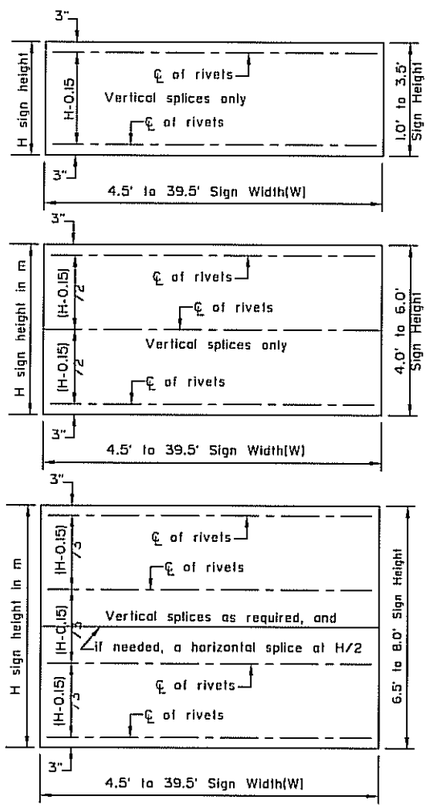
DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

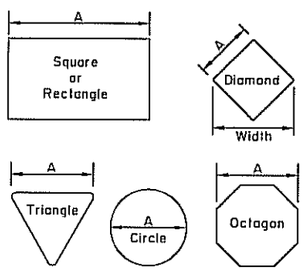
SHEET NO. D.2

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	-	5, 8	74 S	81 W	COPPER RIVER	2008

S-00.10







Maximum size unframed signs using 0.125" thick aluminum sheeting.	
Sign Shape	A
Squares, Shields, and Route Markers	48"
Rectangles	48"
Diamonds	48"
Triangles	48"
Rounds and Octagons	48"

Install wind framing on all signs that exceed the dimensions listed.

LIGHT SIGNS

WIND FRAMING LOCATIONS

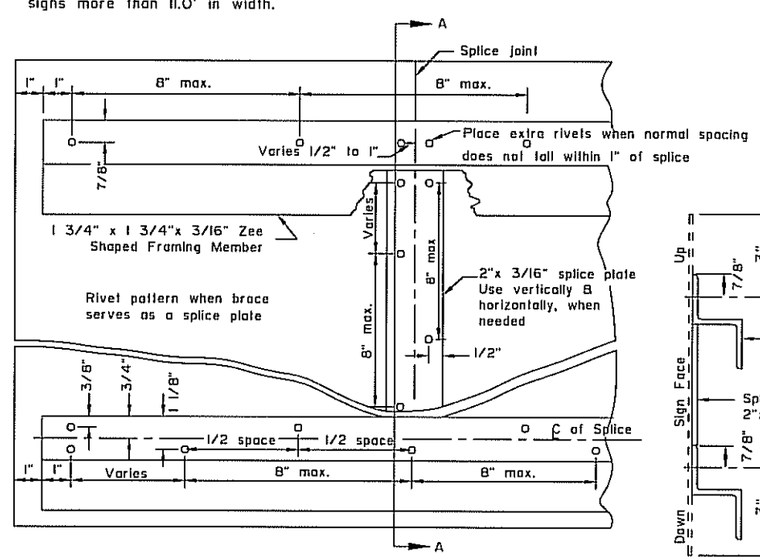
Pipe and Tube Sign Post Spacing			
Sign Width (W)	No. of Posts	Distance Between Posts	Sign Overhang
4.5 ft. to 10.0 ft.	2	0.6W	0.2W
10.5 ft. to 11.0 ft.	2	6.0 feet	Varies

W Shape Sign Post Spacing			
Sign Width (W)	No. of Posts	Distance Between Posts	Sign Overhang
11.5 ft to 13.0 ft	2	8.0 feet	Varies
13.5 ft to 20.0 ft	2	0.6W	0.2W
20.5 ft to 22.5 ft	3	8.0 feet	Varies
23.0 ft to 29.5 ft	3	0.35W	0.15W
30.0 ft to 31.5 ft	4	8.0 feet	Varies
32.0 ft to 40.0 ft	4	0.25W	0.125W

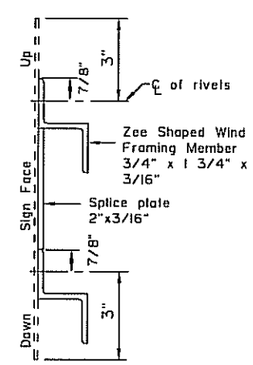
SIGN POST SPACING

SIGN POST SELECTION AND SPACING NOTES

1. Use one tube (solid or perforated) to support all signs that measure 48" or less in width or diameter, diamond shaped signs that measure 48" or less on a side, Class T roadway route marker assemblies, and E5-1 gore signs. Do not use pipe posts for single post signs.
2. Install combination stop and street name signs on a 2-1/2" perforated tube.
3. Use two pipes spaced according to the Pipe and Tube Sign Post Spacing table to support signs too large for one post and not more than 11.0' in width. Tubes may be substituted for pipes provided the tube size equals the nominal pipe size.
4. Do not use perforated tubing larger than 2" for two post installations.
5. Use the number of W shape posts specified in the W Shape Sign Post table to support signs more than 11.0' in width.



RIVET DETAIL FOR ZEE SHAPED WIND FRAMING & SPLICE PLATE



SECTION A-A

GENERAL NOTES

1. See the standard specifications for the aluminum alloys that you may use for sign sheeting and wind framing members.
2. Fabricate all signs from 0.125" thick aluminum sheeting.
3. Sign fabricators may use alternates to the zee shaped framing member with approval of the engineer, if the frame manufacturer certifies their design equals or exceeds the strength of the zee shaped design.
4. Install one piece wind framing members on all signs up to 23.5' wide. Use one splice in each wind frame on all signs wider than 23.5'. Locate splices at least 18" from all posts and panel edges. Stagger splices in adjacent framing members at least 8.0' apart.
5. Attach wind framing members with rivets or with an engineer approved, double sided, high strength, adhesive tape. Clean and handle sheeting and framing members and apply tape in accordance with the tape manufacture's written instructions. Install two rivets in both ends of each framing member.
6. Use 3/16" diameter rivets conforming to aluminum alloy 6061-T6 for cold driven rivets, or aluminum alloy 6061-T43 for hot driven rivets.
7. Sign fabricators may use sign panels extruded with integral framing with approval of the engineer, if the manufacturer certifies their design equals or exceeds the strength of the 0.125" thick panel with framing attached to it.
8. Frame all signs taller than 8.0' with five wind framing members located (H-0.15)/4 spaces. If needed, make a horizontal splice at the middle wind frame.

REVISIONS		
Date	Description	By

Sheet 1 of 1

State of Alaska
Department of Transportation & Public Facilities

SIGN FRAMING AND POST SPACING

APPROVED

Date 2/28/03

S-00.10

REV.	DATE	DESCRIPTION	BY

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CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

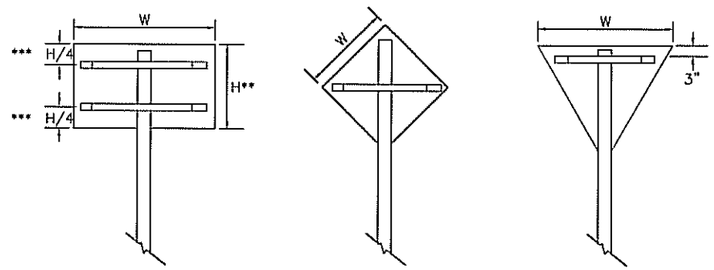
ADOT STANDARD DRAWINGS
S-00.10

DESIGNED BY:	BLP/AEC
DRAWN BY:	N/A
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

SHEET NO.
J.1

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

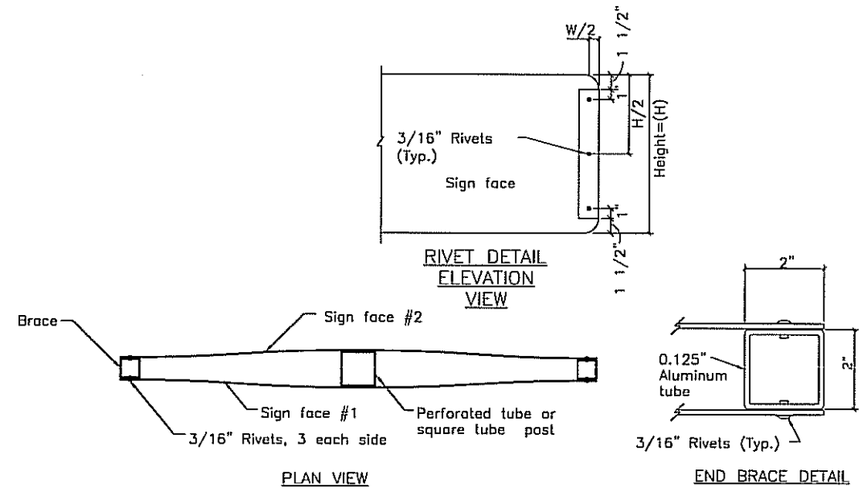
S-01.00



*** Use one brace when H ≤ 18"
Use two braces when 18" < H < 48"
Use three braces when H ≥ 48"

** Position of brace may be varied to match Predrilled mounting holes in panel

SIGN BRACING PLACEMENT

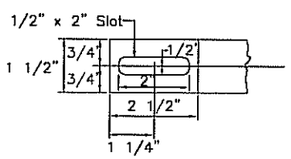


RIVET DETAIL ELEVATION VIEW

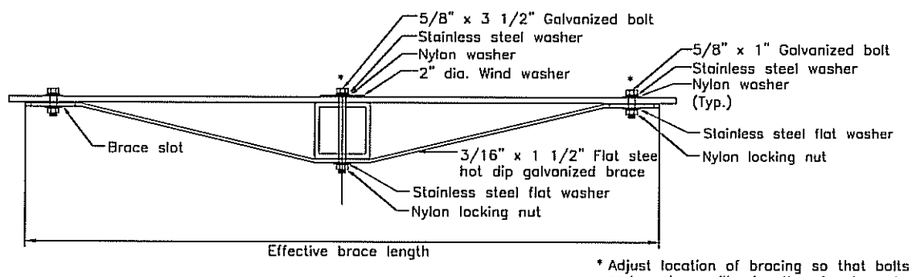
PLAN VIEW

END BRACE DETAIL

SMALL STREET NAME SIGN (D3-1, D3-1A, D3-1D) BRACING DETAILS



DETAIL OF BRACE SLOT
Elevation view



* Adjust location of bracing so that bolts and washers will miss the sign legend

TUBE POST SIGN BRACING
Plan view

SIGN WIDTH(W)	EFFECTIVE BRACE LENGTH		
	WARNING	YIELD	OTHER
30"	36"	24"	24"
36"	42"	30"	30"
42"	48"	–	36"
48"	TWO POSTS	36"	42"

< 30" No bracing required and use square tube

REVISIONS		
Date	Description	By

Sheet 1 of 1

State of Alaska
Department of Transportation
& Public Facilities

BRACING FOR SIGNS
MOUNTED ON SINGLE POST

APPROVED

Date 2/28/03

S-01.00

REV.	DATE	DESCRIPTION	BY

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CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

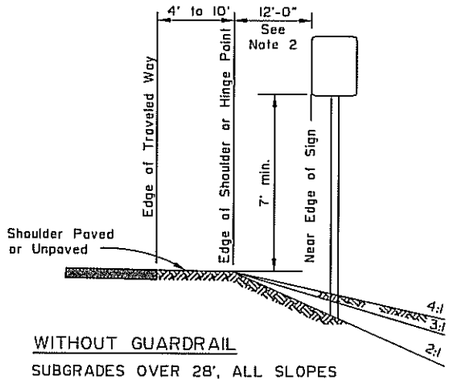
ADOT STANDARD DRAWINGS
S-01.00

DESIGNED BY:	BLP/AEC
DRAWN BY:	N/A
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

SHEET NO.
J.2

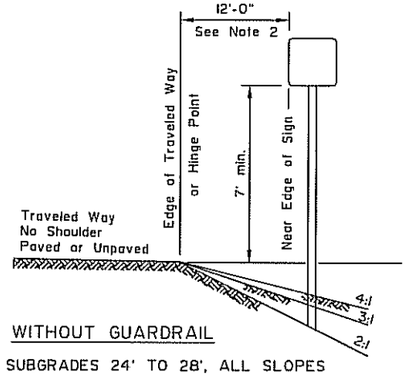
STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

S-05.01



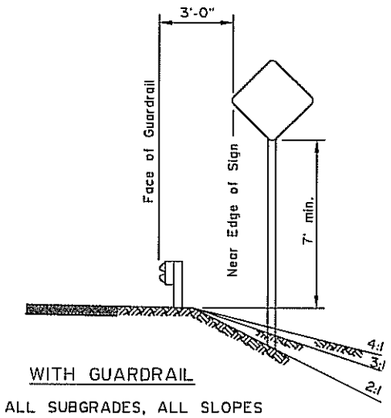
WITHOUT GUARDRAIL

SUBGRADES OVER 28', ALL SLOPES



WITHOUT GUARDRAIL

SUBGRADES 24' TO 28', ALL SLOPES

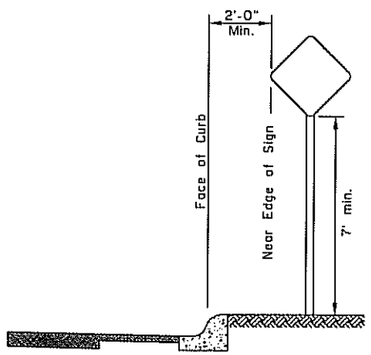


WITH GUARDRAIL

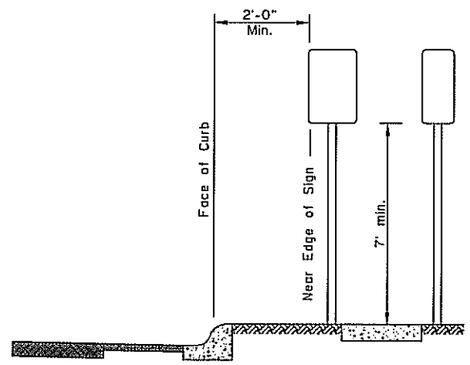
ALL SUBGRADES, ALL SLOPES

GENERAL NOTES

1. Unless shown otherwise on the plans, the standard sign offset is 12'. The minimum is 6'.
2. If signs extend over sidewalks, the minimum vertical clearance is 7'-0".
3. Add 6" to mounting height on unpaved roads.
4. If signs extend over bike paths, the minimum vertical clearance is 8' 0".
5. When signs are placed 30' or more from the edge of traveled way, mount them with the bottom of the sign at least 5' above the road surface at the near edge of the road.
6. When multiple hinged sign supports are used, mount hinges at least 7' above the ground.

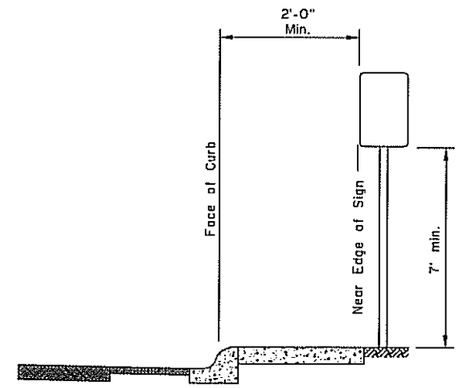


CURB WITHOUT SIDEWALK

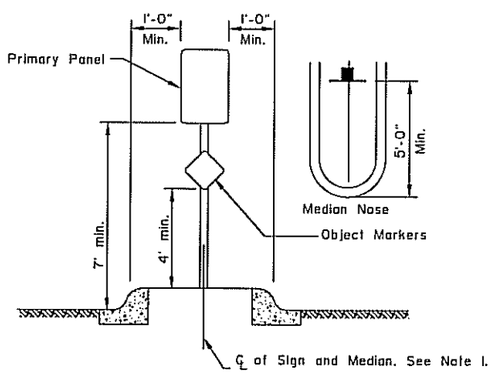


CURB WITH PARKWAY AND SIDEWALK

(If R/W width permits, signs should be placed behind sidewalk.)

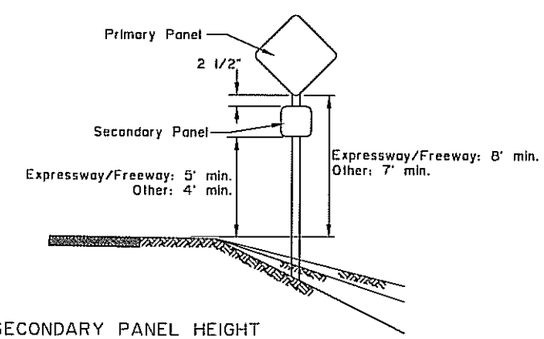


CURB WITH SIDEWALK WITHOUT PARKWAY



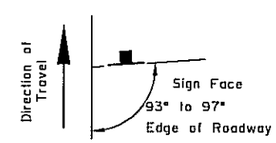
RAISED MEDIANS

Minimum 4' Width for Signing



SECONDARY PANEL HEIGHT

ALL TWO PANEL MOUNTING



SIGN POSITIONING

REVISIONS		
Date	Description	By
4/3/01	Revised Sign Heights	KJS

Sheet 1 of 1

State of Alaska
Department of Transportation
& Public Facilities

POST MOUNTED SIGN
OFFSET AND HEIGHT

APPROVED

Date 7/15/82

S-05.01

REV.	DATE	DESCRIPTION	BY

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CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

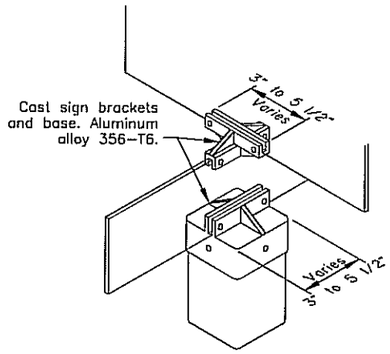
ADOT STANDARD DRAWINGS
S-05.01

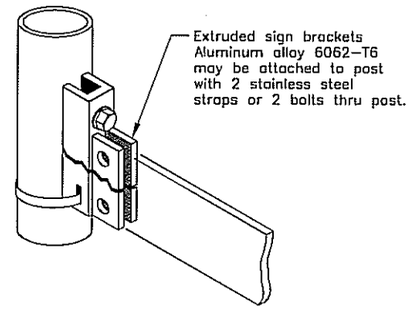
DESIGNED BY:	BLP/AEC
DRAWN BY:	N/A
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

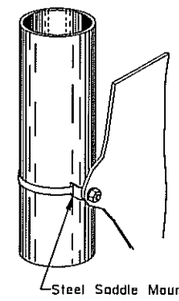
SHEET NO.
J.3

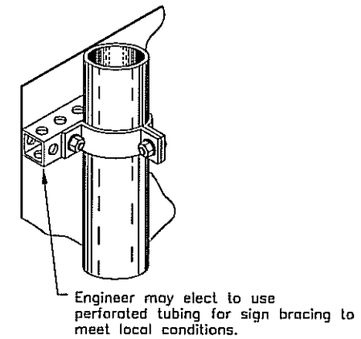
STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

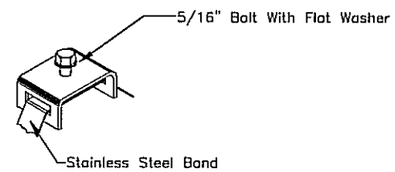
S-20.10

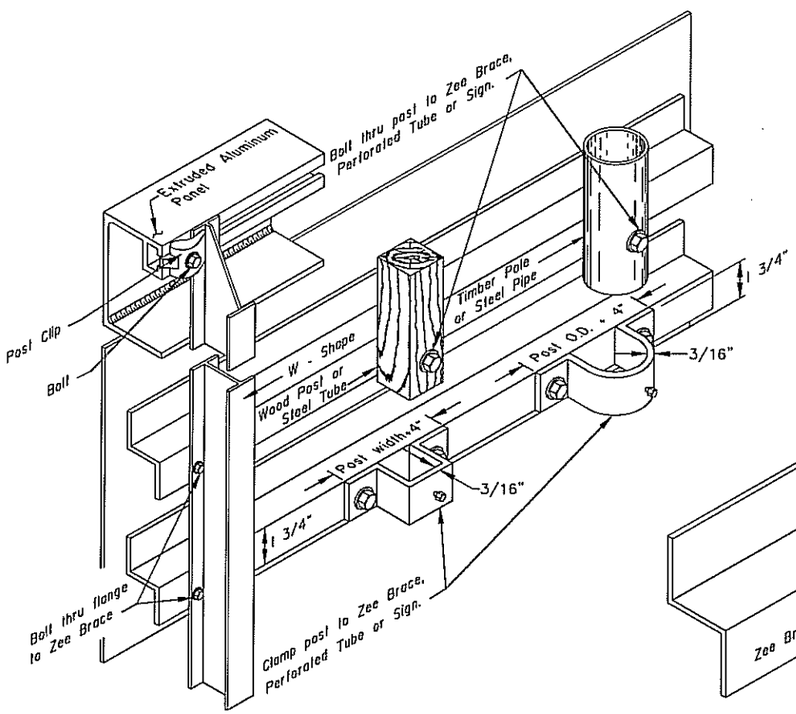


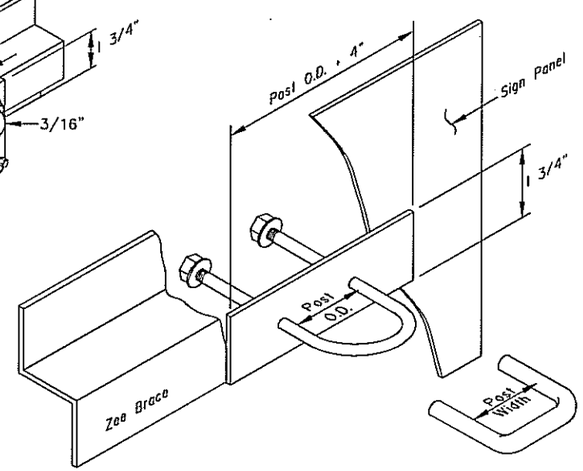


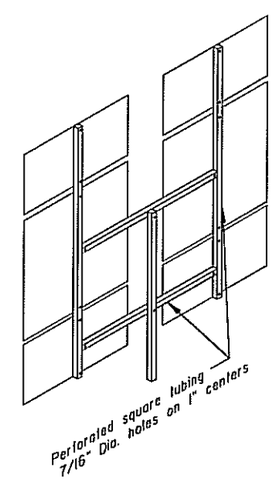












GENERAL NOTES

1. Details shown indicate general design only. Dimensions and design may vary among the manufacturers.
2. Install weather tight caps on all pipe and tube post (except perforated tubing).
3. Protect sign posts installed using driving methods with drive caps during installation.
4. Bolt braces to posts at each point where they cross posts.
5. Install signs with top of post, mounting brackets, etc. with a minimum of 3" below top of sign.
6. Paint all sign mounting fasteners on sign face a color closely matching the sign face.
7. Attach all signs, zees and braces mounted to the posts with 5/16" bolts.
8. Furnish all aluminum nuts, bolts and washers with anodized finish.

FASTENER SPECIFICATION TABLE

FASTENERS		ALUMINUM	STEEL	STAINLESS STEEL
BOLTS	MACHINE CARRIAGE "U"	2024–T4	A–307	A–276
NUTS	REGULAR	6061–T6	A–307	A–276
	LOCK	2017–T4		
WASHERS		2024–T4	A–36	A–276
POST CLIP		356–T6		

REVISIONS

Date	Description	By

Sheet 1 of 1

State of Alaska
Department of Transportation
& Public Facilities

SIGN TO SIGN POST CONNECTIONS

APPROVED

Date 2/28/03

S-20.10

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
Registered Engineers & Surveyors

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CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

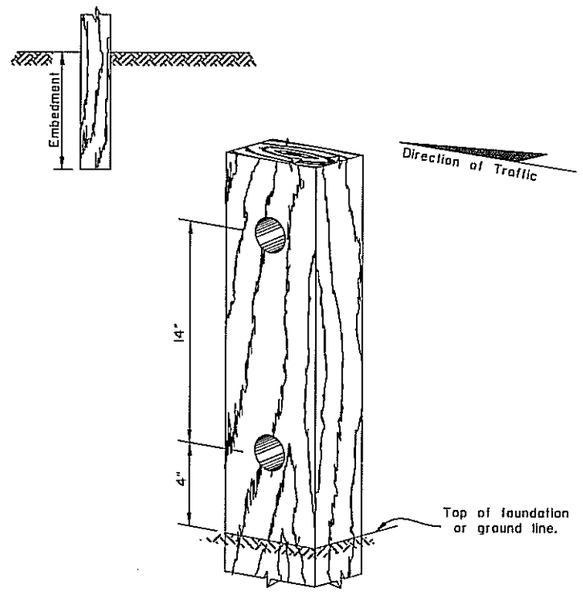
ADOT STANDARD DRAWINGS
S–20.10

DESIGNED BY:	BLP/AEC
DRAWN BY:	N/A
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

SHEET NO.
J.4

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	–	5, 8	74 S	81 W	COPPER RIVER	2008

S-30.03

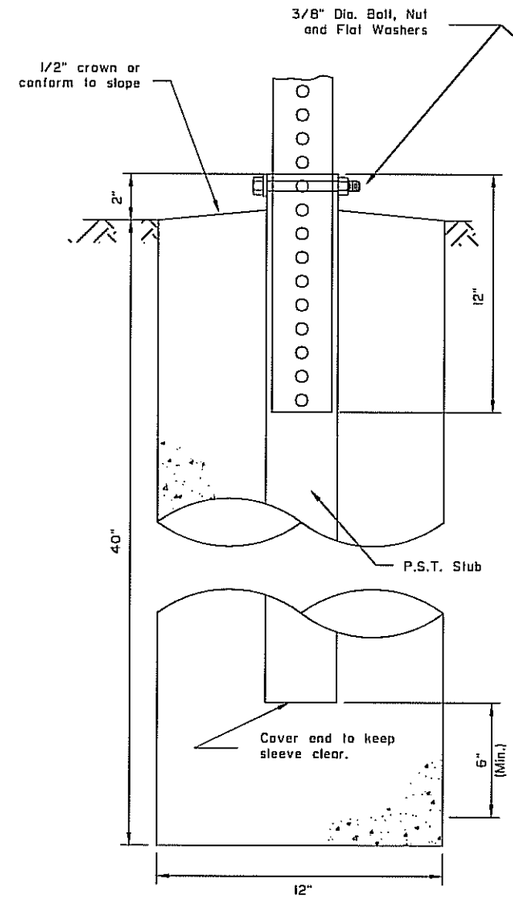


Note: If holes are field drilled after post has been treated, the holes shall be thoroughly swabbed with a 5% solution of pentachlorophenol and mineral spirits.

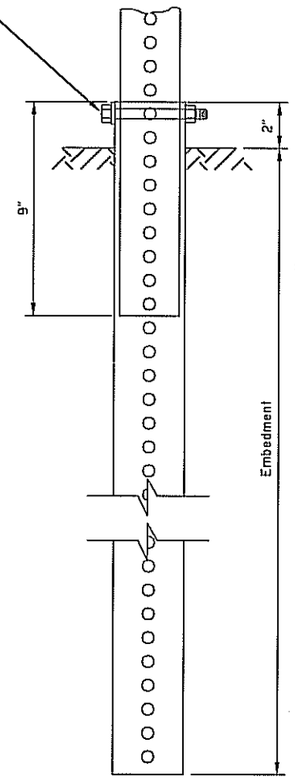
WOOD POSTS			
SIZE	HOLE DIA.	EMBEDMENT*	NUMBER OF POSTS WITHIN 7 Ft. PATH
4"x4"	NONE	36"	2
4"x6"	1 1/2"	36"	2
6"x6"	1 1/2"	40"	1
6"x8"	3"	48"	1

* Embedment depth applies in both strong and weak soil.

WOOD POSTS



SLEEVE TYPE
-CONCRETE FOUNDATION-



SLEEVE TYPE *
-SOIL EMBEDMENT-

PERFORATED STEEL TUBES (P.S.T.) (12 ga. - .105" Wall Thickness)		
POST SIZE (inch)	Embedment Depth	No. of P.S.T.s permitted within 7 ft path
1 1/2" x 1 1/2"	3'-0"	2
1 3/4" x 1 3/4"	3'-0"	2
2" x 2"	3'-6"	2
2 1/4" x 2 1/4"	4'-0"	1
2 1/2" x 2 1/2"	4'-6"	1

* Use 3"x3"x3/16" Stub for 2 1/2"x2 1/2" PST Applications.

PERFORATED STEEL TUBE (PST) POSTS

GENERAL NOTES:

1. Refer to Standard Drawing "Sheet Aluminum Sign and Framing" for light sign details.
2. See plans for type of post, size and embedment type.
3. To maintain crashworthiness, install no more than the number of P.S.T.s or wood posts specified in the tables within 7' of each other.
4. Do not install wood posts larger than 6"x8".
5. Use larger posts than shown on this sheet, with hinges, for multiple support signs where the supports are separated by more than 7 feet.

REVISIONS		
Date	Description	By
1/1/85	Redraft-Delete Post	Gdo
4/2/01	Revised PST table	Kjs
	Added note 3	
2/12/02	Revised Wood Posts	Kjs

Sheet 1 of 1

State of Alaska
Department of Transportation
& Public Facilities

LIGHT SIGN
STRUCTURE POST
EMBEDMENT

APPROVED

Date 7/15/82

S-30.03

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
CONSULTING ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
PHONE 907-826-3996
FAX 907-826-3997
EMAIL:CGTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

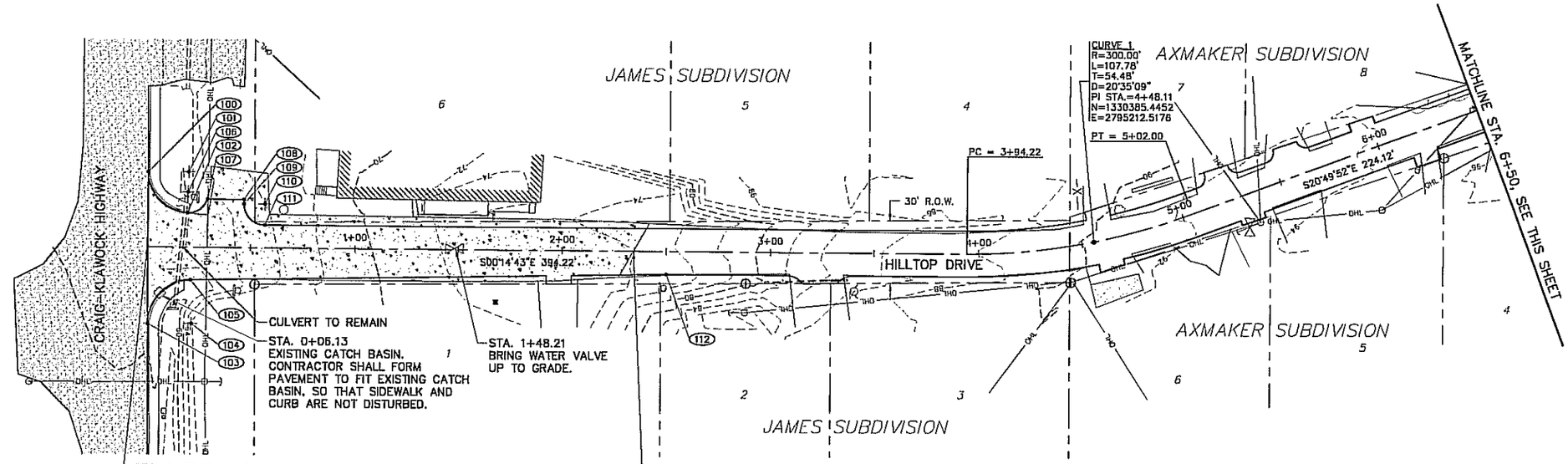
ADOT STANDARD DRAWINGS
S-30.03

DESIGNED BY:	BLP/AEC
DRAWN BY:	N/A
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	N/A

SHEET NO.
J.5

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	0032	5, 8	74 S	81 W	COPPER RIVER	2008

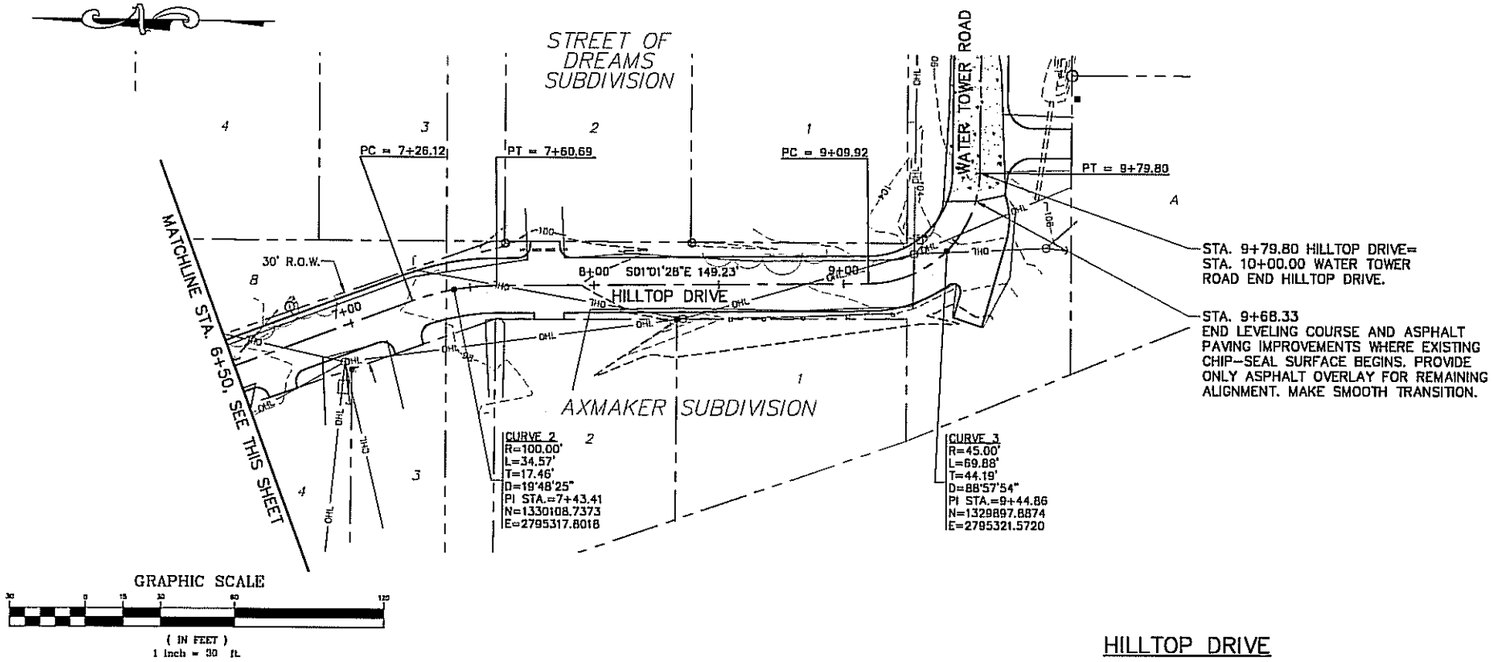
T74S, R81W, S5



HILLTOP DRIVE

COORDINATE TABLE (THIS SHEET ONLY)			
NO.	NORTHING	EASTING	DESCRIPTION
100	1330834.0950	2795246.6926	PC
101	1330814.4091	2795246.8876	RADIUS=27'
102	1330814.7332	2795227.2034	PT
103	1330833.5382	2795173.7846	PC
104	1330812.5397	2795174.0359	RADIUS=21'
105	1330813.0566	2795195.0295	PT
106	1330814.5686	2795237.2020	RADIUS=10'
107	1330805.1052	2795233.9703	PT
108	1330787.5545	2795233.9703	PI
109	1330787.5452	2795231.7963	PC
110	1330777.5453	2795231.8391	RADIUS=10'
111	1330777.5025	2795221.8392	PT
112	1330584.0941	2795200.6671	PI

T74S, R81W, S5 T74S, R81W, S8



HILLTOP DRIVE

STATE OF ALASKA 49TH Brian L. Pederson CE9934 Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA Rodney P. Kinney Associates, Inc. CONSULTING ENGINEERS & CONSULTANTS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
PHONE 907-826-3996
FAX 907-826-3997
EMAIL:CCTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

PLAN
HILLTOP DRIVE
STA. 0+00.00
TO
STA. 9+79.80

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	1"=30'

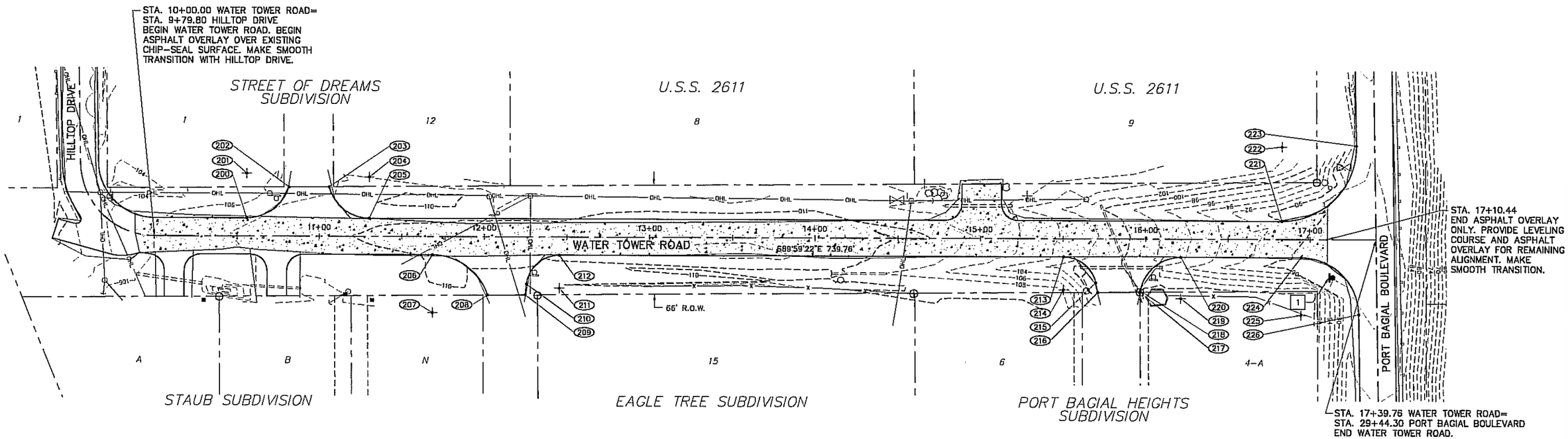
SHEET NO.
L.1

T74S, R81W, S8

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	0034	B	74 S	81 W	COPPER RIVER	2008

COORDINATE TABLE (THIS SHEET ONLY)

NO.	NORTHING	EASTING	DESCRIPTION
200	1329908.8689	2795421.5330	PT
201	1329935.8689	2795421.5380	RADIUS=27'
202	1329927.6473	2795447.2558	PC
203	1329927.8303	2795471.7427	PC
204	1329933.8551	2795495.0059	RADIUS=25'
205	1329908.8551	2795496.0012	PT
206	1329886.8480	2795534.4337	PT
207	1329851.8480	2795534.4272	RADIUS=30'
208	1329862.5461	2795567.7521	PC
209	1329862.7158	2795590.4614	PI
210	1329869.2419	2795591.2529	PC
211	1329866.8339	2795611.1073	RADIUS=20'
212	1329886.8338	2795611.1110	PT
213	1329886.7774	2795916.0466	PT
214	1329866.7774	2795916.0429	RADIUS=20'
215	1329871.1142	2795935.5871	PC
216	1329865.3050	2795936.8574	PI
217	1329865.4952	2795962.3057	PI
218	1329866.3137	2795962.4572	PC
219	1329861.7643	2795987.0398	RADIUS=25'
220	1329886.7643	2795987.0444	PT
221	1329908.7529	2796048.5425	PC
222	1329953.7529	2796048.5508	RADIUS=45'
223	1329954.5316	2796093.5441	PT
224	1329886.7507	2796060.3242	PC
225	1329851.7507	2796060.3178	RADIUS=35'
226	1329852.3564	2796095.3125	PT



GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

WATER TOWER ROAD

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
CONSULTING ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
PHONE 907-826-3996
FAX 907-826-3997
EMAIL:CCTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

PLAN
WATER TOWER ROAD
STA. 10+00.00
TO
STA. 17+39.76

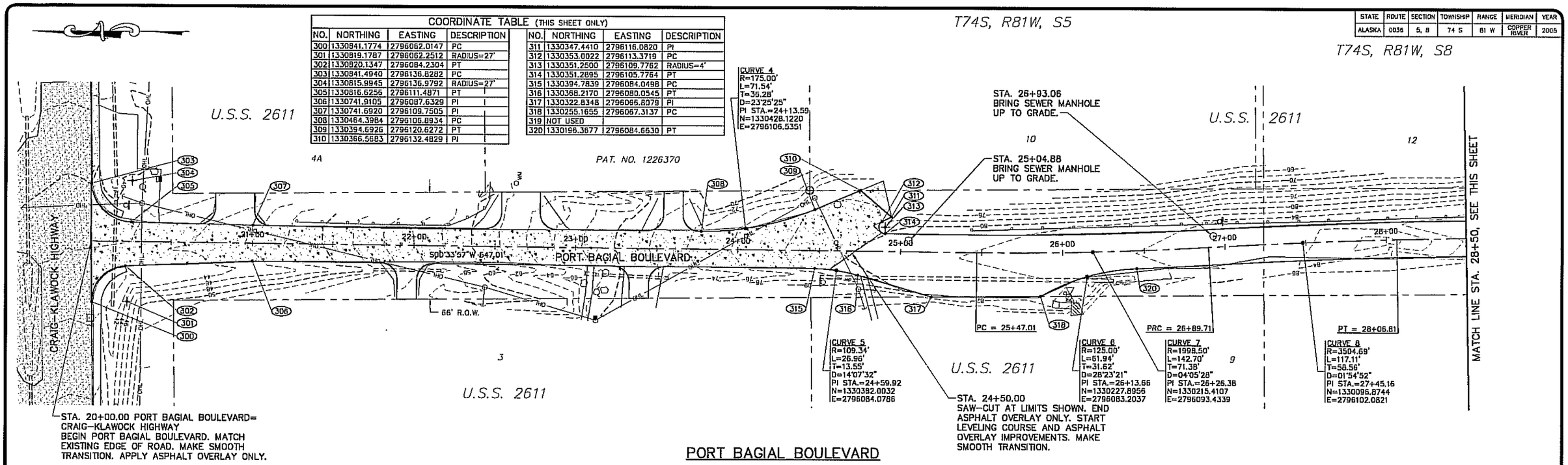
DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	1"=30'

SHEET NO.
L.2

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	0036	5, 8	74 S	81 W	COPPER RIVER	2008

COORDINATE TABLE (THIS SHEET ONLY)

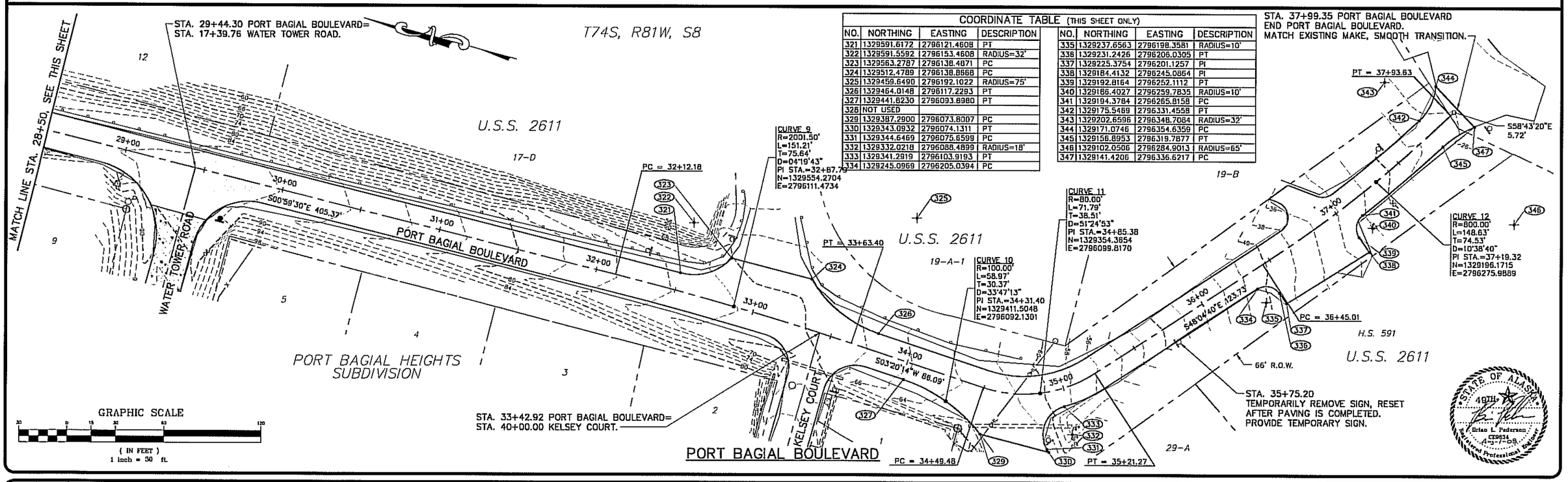
NO.	NORTHING	EASTING	DESCRIPTION
300	1330841.1774	2796062.0147	PC
301	1330819.1787	2796062.2512	RADIUS=27'
302	1330820.1347	2796084.2304	PT
303	1330841.4940	2796136.8282	PC
304	1330815.9945	2796136.9792	RADIUS=27'
305	1330816.6256	2796111.4871	PT
306	1330741.9105	2796087.6329	PI
307	1330741.6920	2796109.7505	PI
308	1330464.3984	2796106.8934	PC
309	1330394.6926	2796120.6272	PT
310	1330366.5683	2796132.4829	PI
311	1330347.4410	2796116.0820	PI
312	1330353.0022	2796113.3719	PC
313	1330351.2500	2796109.7762	RADIUS=4'
314	1330351.2895	2796105.7764	PT
315	1330394.7839	2796084.0498	PC
316	1330368.2170	2796080.0545	PT
317	1330322.8348	2796066.8079	PI
318	1330255.1655	2796067.3137	PC
319	NOT USED		
320	1330196.3677	2796084.6630	PT



PORT BAGIAL BOULEVARD

COORDINATE TABLE (THIS SHEET ONLY)

NO.	NORTHING	EASTING	DESCRIPTION
321	1329591.6172	2796121.4608	PT
322	1329591.5592	2796153.4608	RADIUS=32'
323	1329563.2787	2796138.4871	PC
324	1329512.4789	2796138.8668	PC
325	1329459.6490	2796192.1022	RADIUS=75'
326	1329464.0148	2796117.2293	PT
327	1329441.8230	2796093.8980	PT
328	NOT USED		
329	1329387.2900	2796073.8007	PC
330	1329343.0932	2796074.1311	PT
331	1329344.6469	2796075.6599	PC
332	1329332.0218	2796088.4899	RADIUS=18'
333	1329341.2919	2796103.9193	PT
334	1329245.0969	2796205.0394	PC
335	1329237.6563	2796198.3581	RADIUS=10'
336	1329231.2426	2796206.0305	PT
337	1328225.3754	2796201.1257	PI
338	1329184.4132	2796245.0864	PI
339	1329192.8164	2796252.1112	PT
340	1329186.4027	2796259.7835	RADIUS=10'
341	1329194.3784	2796265.8158	PC
342	1329175.5469	2796331.4558	PT
343	1329202.6596	2796348.7084	RADIUS=32'
344	1329171.0746	2796354.6359	PC
345	1329156.8953	2796319.7877	PT
346	1329102.0506	2796284.9013	RADIUS=65'
347	1329141.4206	2796336.6217	PC



PORT BAGIAL BOULEVARD

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
CONSULTING ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
PHONE 907-826-3996
FAX 907-826-3997
EMAIL:CGTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

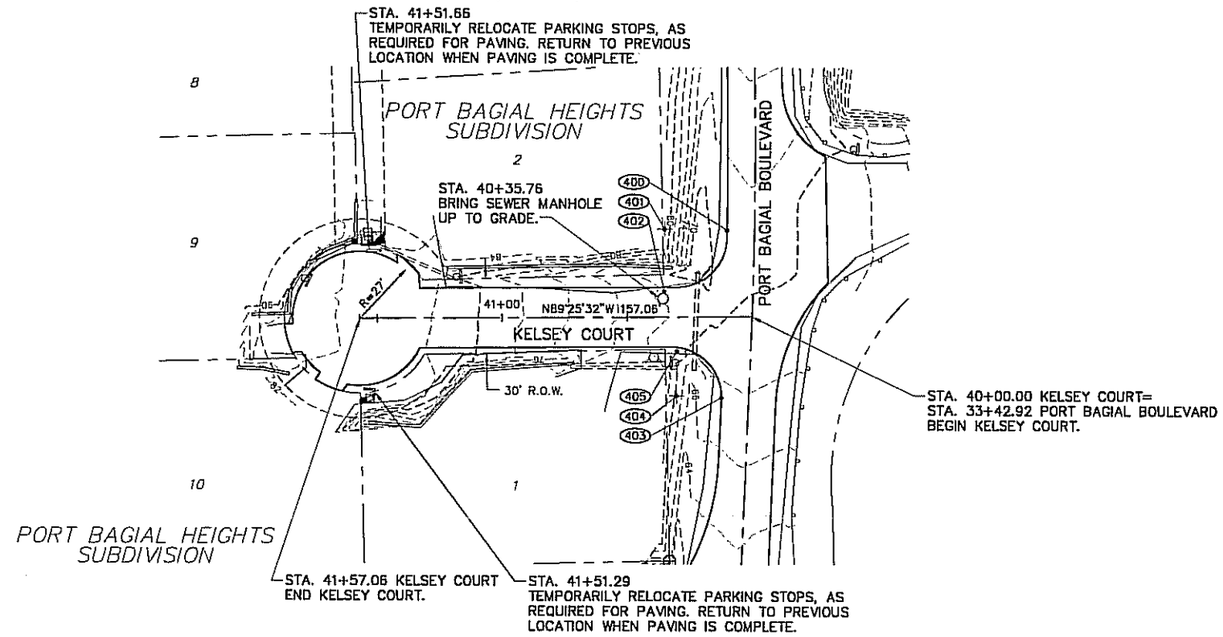
PLAN
PORT BAGIAL BOULEVARD
STA. 20+00.00
TO
STA. 37+99.35

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	1"=30'

SHEET NO.
L.3

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	0040 0035	8, 5	74 S	81 W	COPPER RIVER	2008

T74S, R81W, S8

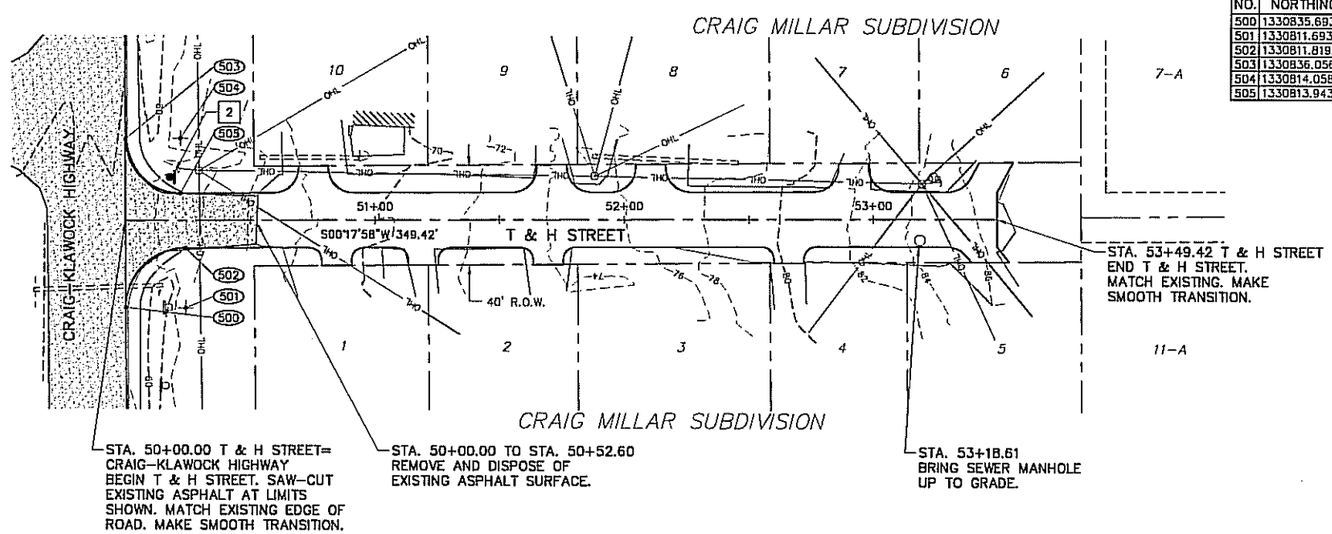


KELSEY COURT

COORDINATE TABLE (THIS SHEET ONLY)			
NO.	NORTHING	EASTING	DESCRIPTION
400	1329534.2152	2796098.5277	PC
401	1329534.9819	2796073.5394	RADIUS=25'
402	1329509.9885	2796072.9675	PT
403	1329466.8285	2796095.3560	PC
404	1329467.8763	2796077.3866	RADIUS=18'
405	1329485.8716	2796077.7984	PT

T74S, R81W, S5

NOTE:
ROAD RECONDITIONING: T & H STREET, STA. 50+00.00 – 53+49.42: CONTRACTOR TO SCARIFY THE EXISTING SURFACE PRIOR TO LEVELING COURSE TO A DEPTH OF 6". ALL ROCKS LARGER THEN 4" SHALL BE REMOVED. NO ADDITIONAL PAYMENT FOR SUPPLEMENTARY AGGREGATE BASE COURSE.



T & H STREET

COORDINATE TABLE (THIS SHEET ONLY)			
NO.	NORTHING	EASTING	DESCRIPTION
500	1330835.6933	2795417.8471	PC
501	1330811.6938	2795417.6982	RADIUS=22'
502	1330811.8192	2795441.6978	PT
503	1330836.0568	2795485.4171	PC
504	1330814.0584	2795485.6864	RADIUS=22'
505	1330813.9435	2795463.6867	PT

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

STATE OF ALASKA 49TH
Brian L. Pederson
CE9834
Registered Professional Engineer

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
CONSULTING ENGINEERS & CONSULTANTS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
PHONE 907-826-3996
FAX 907-826-3997
EMAIL:CCTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

PLAN

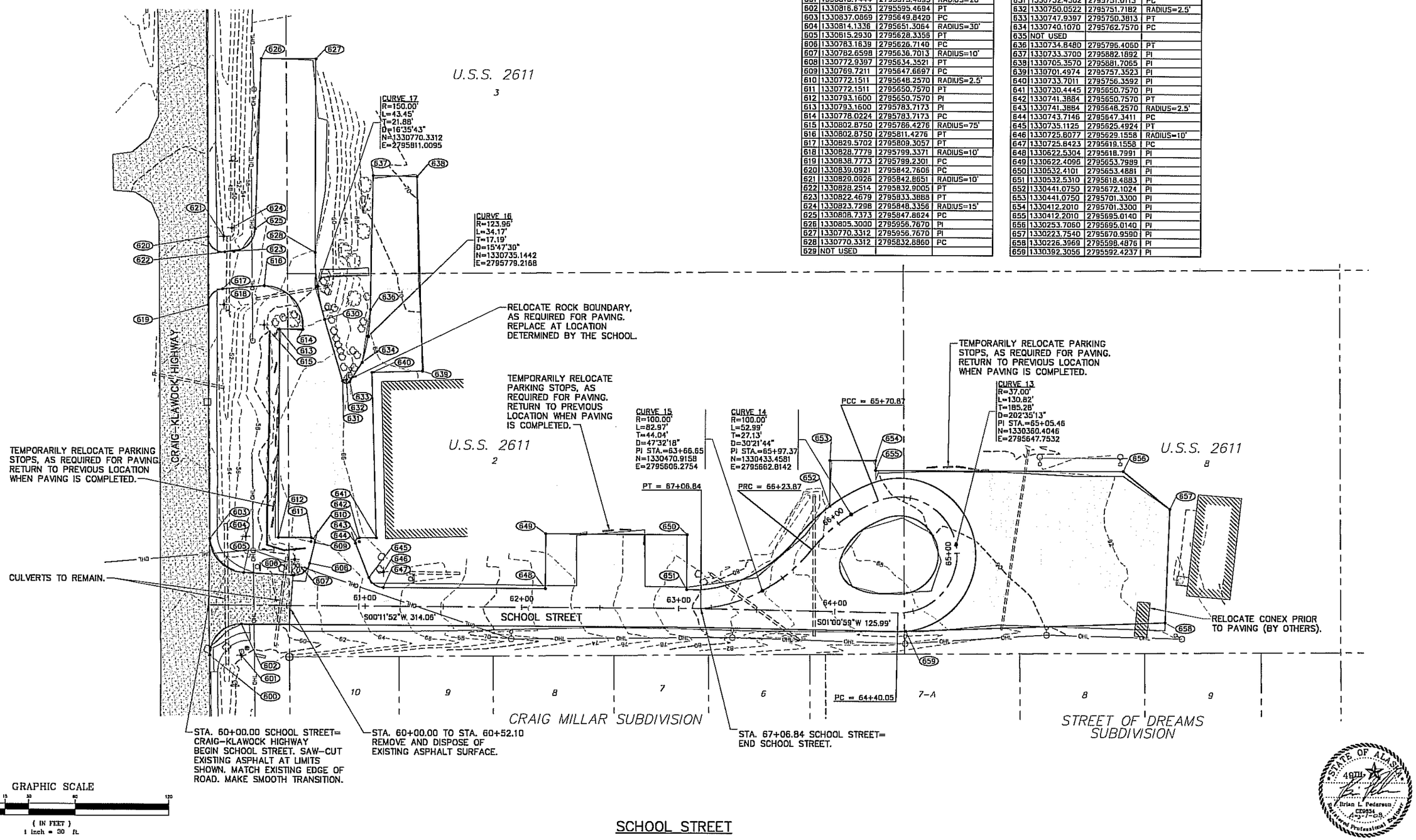
KELSEY COURT	T & H STREET
STA. 40+00.00	STA. 50+00.00
TO	TO
STA. 41+57.06	STA. 53+49.42

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	1"=30'

SHEET NO.
L.4

STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	1002	5	74 S	81 W	COPPER RIVER	2008

T74S, R81W, S5



COORDINATE TABLE (THIS SHEET ONLY)

NO.	NORTHING	EASTING	DESCRIPTION
600	1330836.7444	2795575.4725	PC
601	1330816.7444	2795575.4685	RADIUS=20'
602	1330816.6753	2795595.4694	PT
603	1330837.0869	2795649.8420	PC
604	1330814.1336	2795651.3064	RADIUS=30'
605	1330815.2930	2795628.3358	PT
606	1330783.1639	2795626.7140	PC
607	1330782.6598	2795636.7013	RADIUS=10'
608	1330772.9397	2795634.3521	PT
609	1330769.7211	2795647.6697	PC
610	1330772.1511	2795648.2570	RADIUS=2.5'
611	1330772.1511	2795650.7570	PT
612	1330793.1600	2795650.7570	PI
613	1330793.1600	2795783.7173	PI
614	1330778.0224	2795783.7173	PC
615	1330802.8750	2795786.4276	RADIUS=75'
616	1330802.8750	2795811.4276	PT
617	1330829.5702	2795809.3057	PT
618	1330828.7779	2795799.3371	RADIUS=10'
619	1330838.7773	2795799.2301	PC
620	1330839.0921	2795842.7606	PC
621	1330829.0926	2795842.8651	RADIUS=10'
622	1330828.2514	2795832.9005	PT
623	1330822.4679	2795833.3888	PT
624	1330823.7298	2795848.3356	RADIUS=15'
625	1330808.7373	2795847.8624	PC
626	1330805.3000	2795956.7670	PI
627	1330770.3312	2795956.7670	PI
628	1330770.3312	2795832.8860	PC
629	NOT USED		
630	1330764.0830	2795790.0443	PT
631	1330752.4502	2795751.0113	PC
632	1330750.0522	2795751.7182	RADIUS=2.5'
633	1330747.9397	2795750.3813	PT
634	1330740.1070	2795762.7570	PC
635	NOT USED		
636	1330734.8480	2795796.4060	PT
637	1330733.3700	2795882.1892	PI
638	1330705.3570	2795881.7065	PI
639	1330701.4974	2795757.3523	PI
640	1330733.7011	2795756.3592	PI
641	1330730.4445	2795650.7570	PI
642	1330741.3884	2795650.7570	PT
643	1330741.3884	2795648.2570	RADIUS=2.5'
644	1330743.7146	2795647.3411	PC
645	1330735.1125	2795625.4924	PT
646	1330725.8077	2795629.1558	RADIUS=10'
647	1330725.8423	2795619.1558	PC
648	1330622.5304	2795618.7991	PI
649	1330622.4096	2795653.7989	PI
650	1330532.4101	2795653.4881	PI
651	1330532.5310	2795618.4883	PI
652	1330441.0750	2795672.1024	PI
653	1330441.0750	2795701.3300	PI
654	1330412.2010	2795701.3300	PI
655	1330412.2010	2795695.0140	PI
656	1330253.7060	2795695.0140	PI
657	1330223.7540	2795670.9590	PI
658	1330226.3969	2795598.4876	PI
659	1330392.3056	2795592.4237	PI

STATE OF ALASKA 49TH Brian L. Pederson CE0934 4-07-08 Registered Professional Engineer

SCHOOL STREET

REV.	DATE	DESCRIPTION	BY

RPKA Rodney P. Kinney Associates, Inc. CONSULTING ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
PHONE 907-826-3996
FAX 907-826-3997
EMAIL:CGTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

PLAN
SCHOOL STREET
STA. 60+00.00
TO
STA. 67+06.84

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	1"=30'

SHEET NO.
L.5

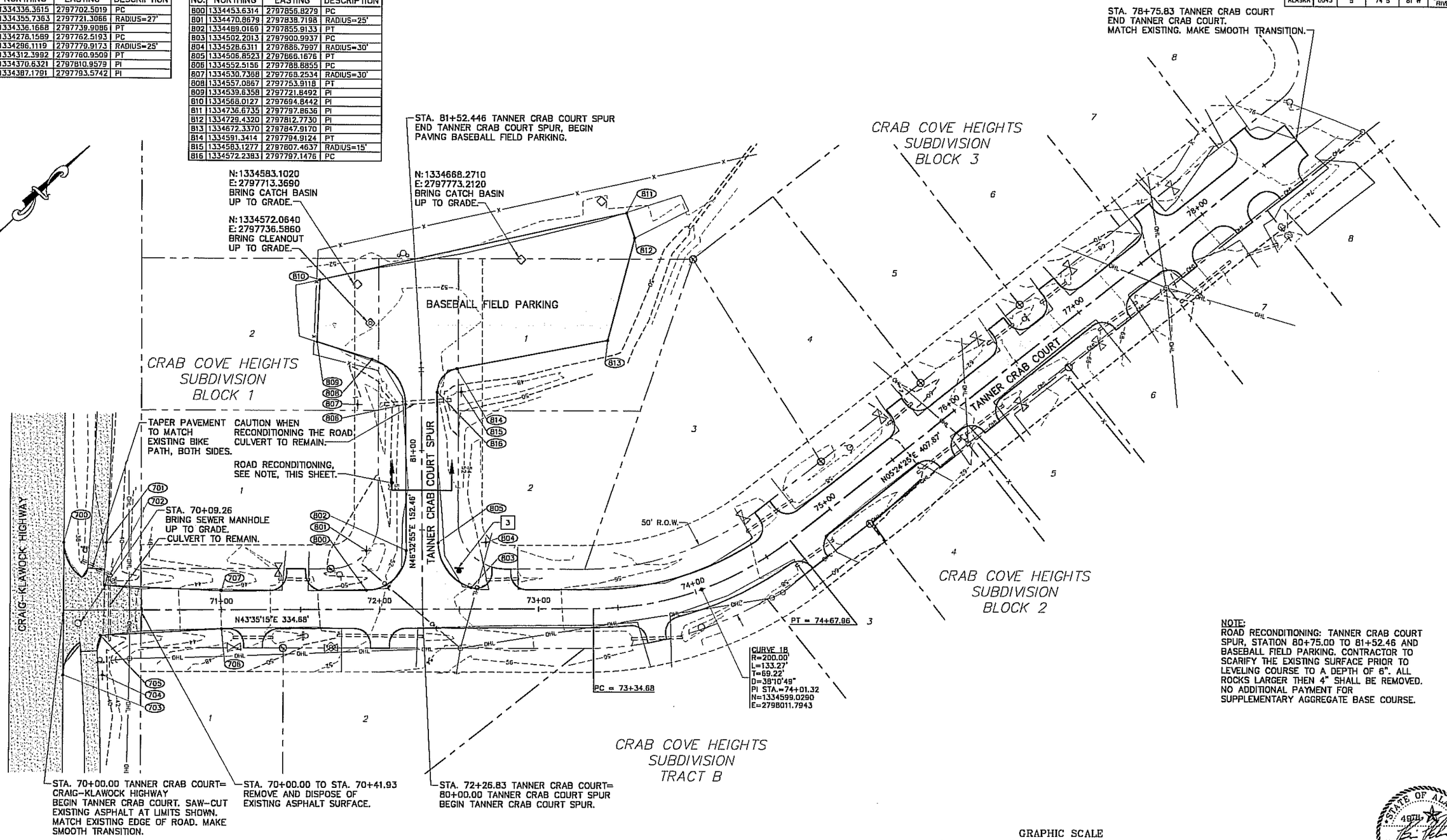
STATE	ROUTE	SECTION	TOWNSHIP	RANGE	MERIDIAN	YEAR
ALASKA	0043	5	74 S	81 W	COPPER RIVER	2008

T74S, R81W, S5

COORDINATE TABLE (THIS SHEET ONLY)

NO.	NORTHING	EASTING	DESCRIPTION
700	1334336.3615	2797702.5019	PC
701	1334355.7363	2797721.3066	RADIUS=27'
702	1334336.1668	2797739.9086	PT
703	1334278.1589	2797762.5193	PC
704	1334286.1119	2797779.9173	RADIUS=25'
705	1334312.3992	2797760.9509	PT
706	1334370.6321	2797810.9579	PI
707	1334387.1791	2797793.5742	PI

NO.	NORTHING	EASTING	DESCRIPTION
800	1334453.6314	2797856.8279	PC
801	1334470.8679	2797838.7198	RADIUS=25'
802	1334489.0169	2797855.9133	PT
803	1334502.2013	2797900.9937	PC
804	1334528.6311	2797886.7997	RADIUS=30'
805	1334506.8523	2797866.1676	PT
806	1334552.5156	2797788.8855	PC
807	1334530.7368	2797768.2534	RADIUS=30'
808	1334557.0867	2797753.9118	PT
809	1334539.6358	2797721.8492	PI
810	1334568.0127	2797694.8442	PI
811	1334736.6735	2797797.8636	PI
812	1334729.4320	2797812.7730	PI
813	1334672.3370	2797847.9170	PI
814	1334591.3414	2797794.9124	PT
815	1334583.1277	2797807.4637	RADIUS=15'
816	1334572.2383	2797797.1476	PC



NOTE:
ROAD RECONDITIONING: TANNER CRAB COURT SPUR, STATION 80+75.00 TO 81+52.46 AND BASEBALL FIELD PARKING. CONTRACTOR TO SCARIFY THE EXISTING SURFACE PRIOR TO LEVELING COURSE TO A DEPTH OF 6". ALL ROCKS LARGER THEN 4" SHALL BE REMOVED. NO ADDITIONAL PAYMENT FOR SUPPLEMENTARY AGGREGATE BASE COURSE.

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

STATE OF ALASKA 49TH Brian L. Pederson CE9934 Registered Professional Engineer

TANNER CRAB COURT & TANNER CRAB COURT SPUR

REV.	DATE	DESCRIPTION	BY

RPKA
Rodney P. Kinney Associates, Inc.
CONSULTING ENGINEERS & SURVEYORS

CRAIG COMMUNITY ASSOCIATION
P.O. BOX 828
CRAIG, ALASKA 99921
PHONE 907-826-3996
FAX 907-826-3997
EMAIL:CGTRIBE@APTALASKA.NET

CRAIG STREETS IMPROVEMENTS
CRAIG, ALASKA

PLAN

TANNER CRAB COURT	TANNER CRAB COURT SPUR
STA. 70+00.00 TO STA. 78+75.83	STA. 80+00.00 TO STA. 81+52.46

DESIGNED BY:	BLP/AEC
DRAWN BY:	SPK
APPROVED BY:	BLP
DATE:	AUGUST 01, 2008
SCALE:	1"=30'

SHEET NO.
L.6