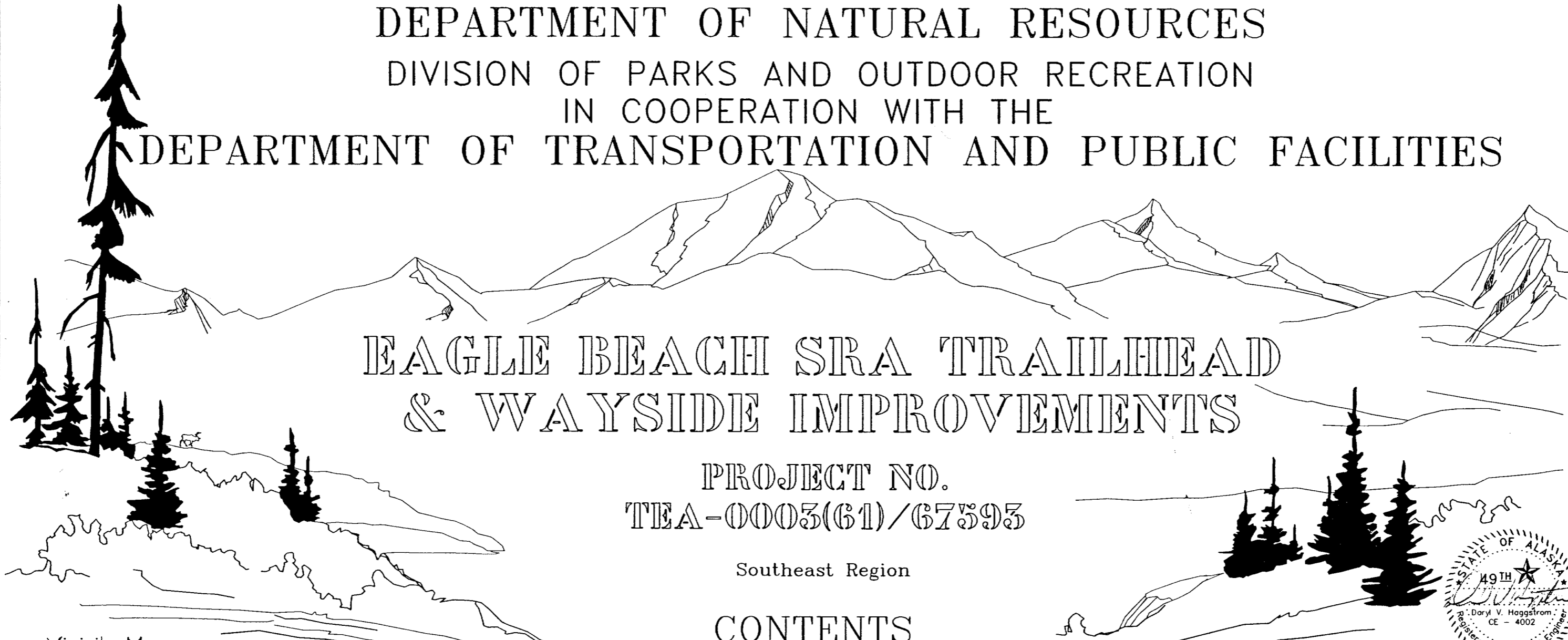


STATE OF ALASKA
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF PARKS AND OUTDOOR RECREATION
 IN COOPERATION WITH THE
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



EAGLE BEACH SRA TRAILHEAD
 & WAYSIDE IMPROVEMENTS

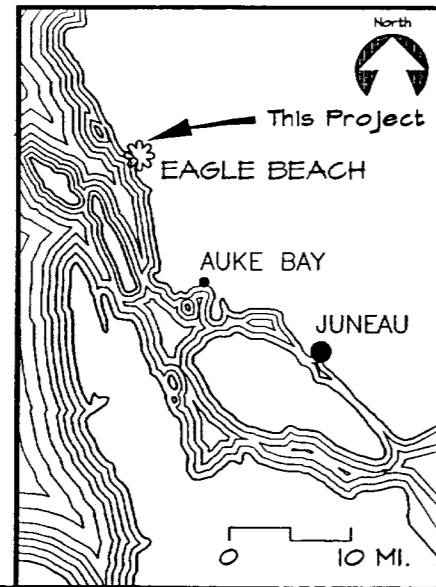
PROJECT NO.
 TEA-0003(61)/67593

Southeast Region

CONTENTS



Vicinity Map



As shown on map
See map for Summer Camp location
See map for Main Camp
See map for Ball Field
See map for Camp

- | | |
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| 2. BASIS OF CONTROL | 25. ACCESS ROAD PROFILE (ALIGNMENT A) |
| 3. EXISTING CONDITIONS | 26. LANDSCAPE AND STRIPING PLAN |
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| 20. SUMMARY TABLES | 43. BRIDGE UNDERPATH PLAN, SECTION & DETAILS |
| 21. ROAD, PARKING & MOUND TYPICAL SECTIONS | 44. PREFABRICATED STEEL BRIDGE |
| 22. PARKING AREA, PATH & ACCESS ROAD SECTIONS | 45. TRAFFIC CONTROL PLAN |
| 23. PATH AND ACCESS ROAD SECTIONS | 46. UTILITIES PLAN |

The following Division of Parks & Outdoor Rec. standard drawings apply to this project: C-1, G-1, G-2, R-1, S-3, S-11C, S-15, S-16
 The following D.O.T.(Highways) standard drawings apply to this project: D-01.02, D-04.20, D-06.10, I-20.13, I-30.01, S-00.00, S-05.01, S-30.02, S-34.00, T-20.01, T-21.02, T-22.03

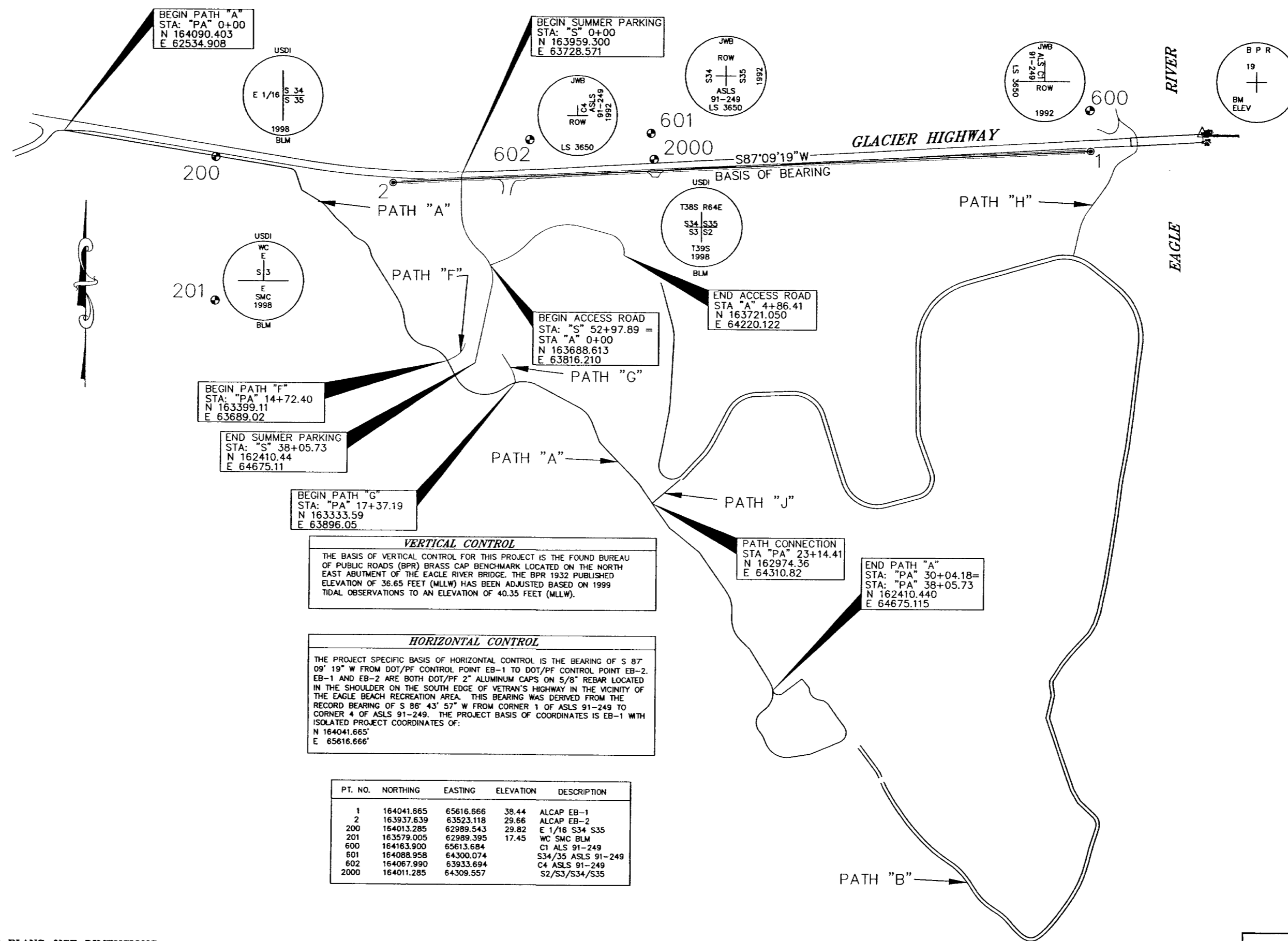
STATE OF ALASKA
 Department of Natural Resources
 Division of Parks & Outdoor Recreation

Approved: *[Signature]* 30.4.2001
 Jim Stratton, Director, Alaska State Parks Date

Department of Transportation and Public Facilities - Southeast Region

Approved: *[Signature]* 7-11-01
 Bob Dall, Director Date

[Signature] 7/12/01
 Pat Kemp, P.E., Preconstruction Engineer Date



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

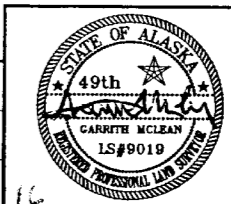
RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DESIGN & CONSTRUCTION

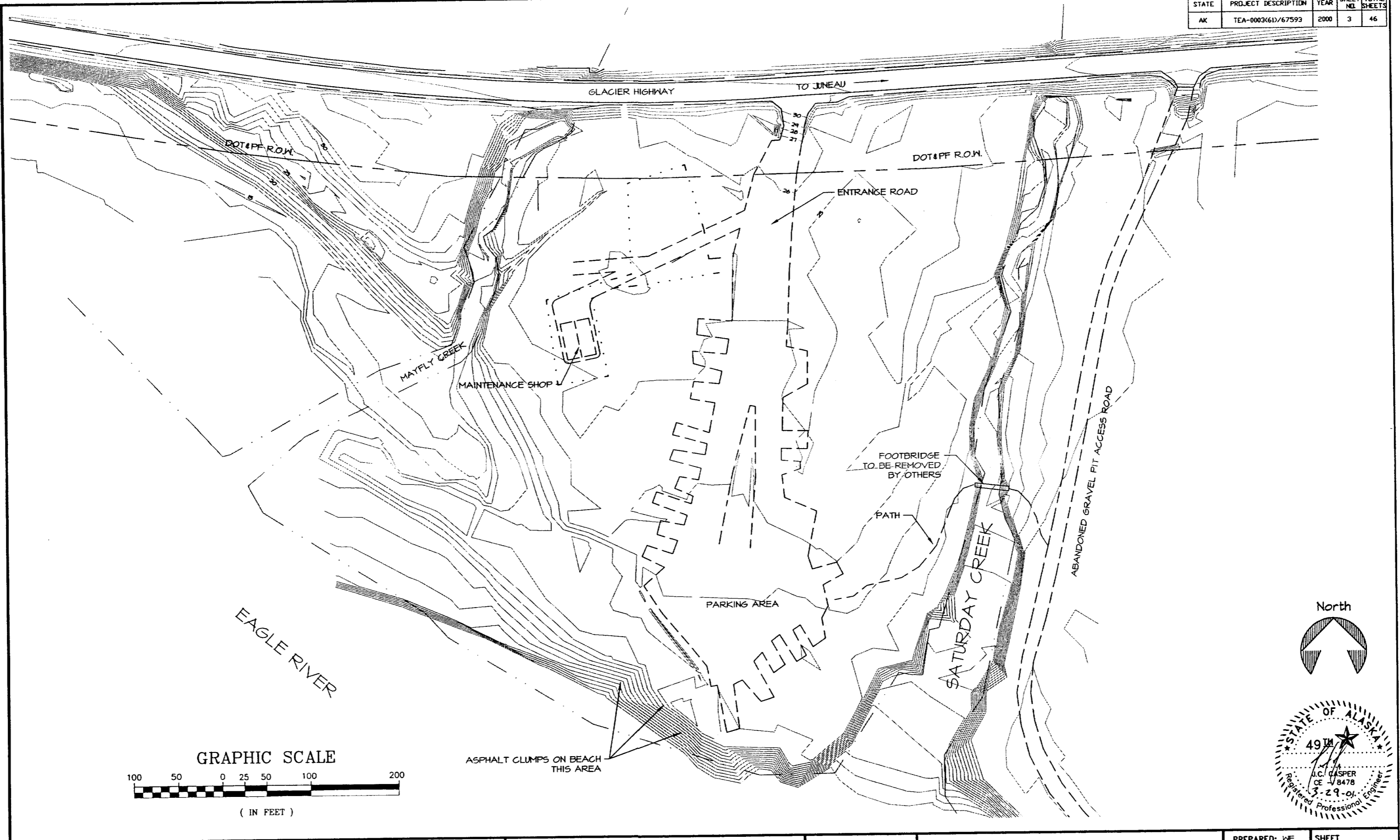
JUNEAU
EAGLE BEACH SRA
TRAILHEAD & WAYSIDE IMPROVEMENTS
FED. NO. ~ TEA-0003(01) 07593
BASIS OF CONTROL

ALASKA
DESIGNED BY: G.M.
DRAWN BY: G.M.
CHECKED BY: R.M.

PROJECT NO. 07593
DATE: 2000
SHEET 2 OF 45



STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	3	46

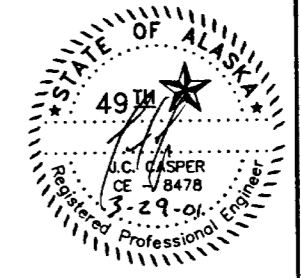


DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

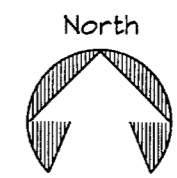
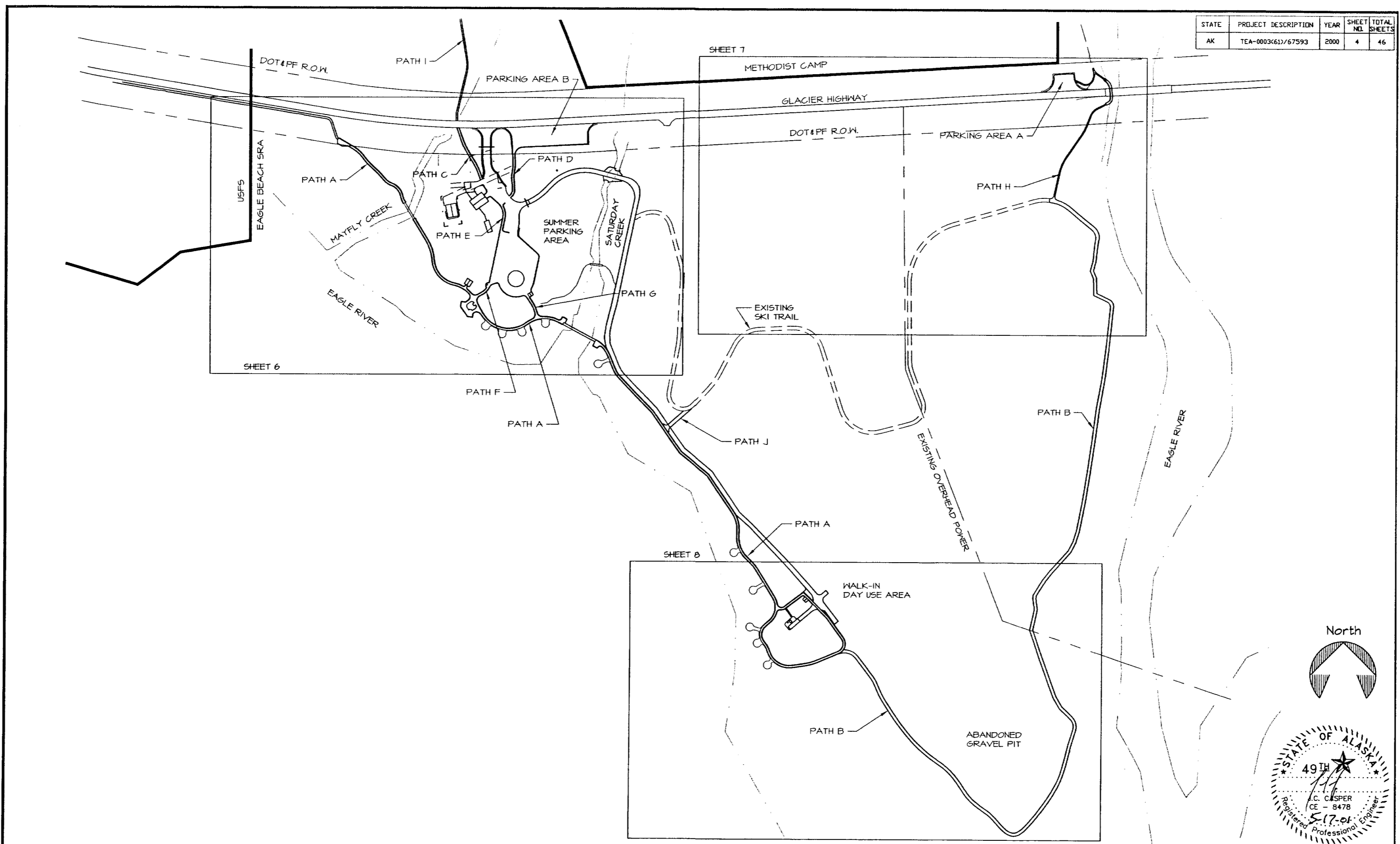
EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

EXISTING CONDITIONS

PREPARED: ME SHEET
DRAWN: ME 3
REVIEWED: JC OF 46 SHEETS
DATE: JAN 00

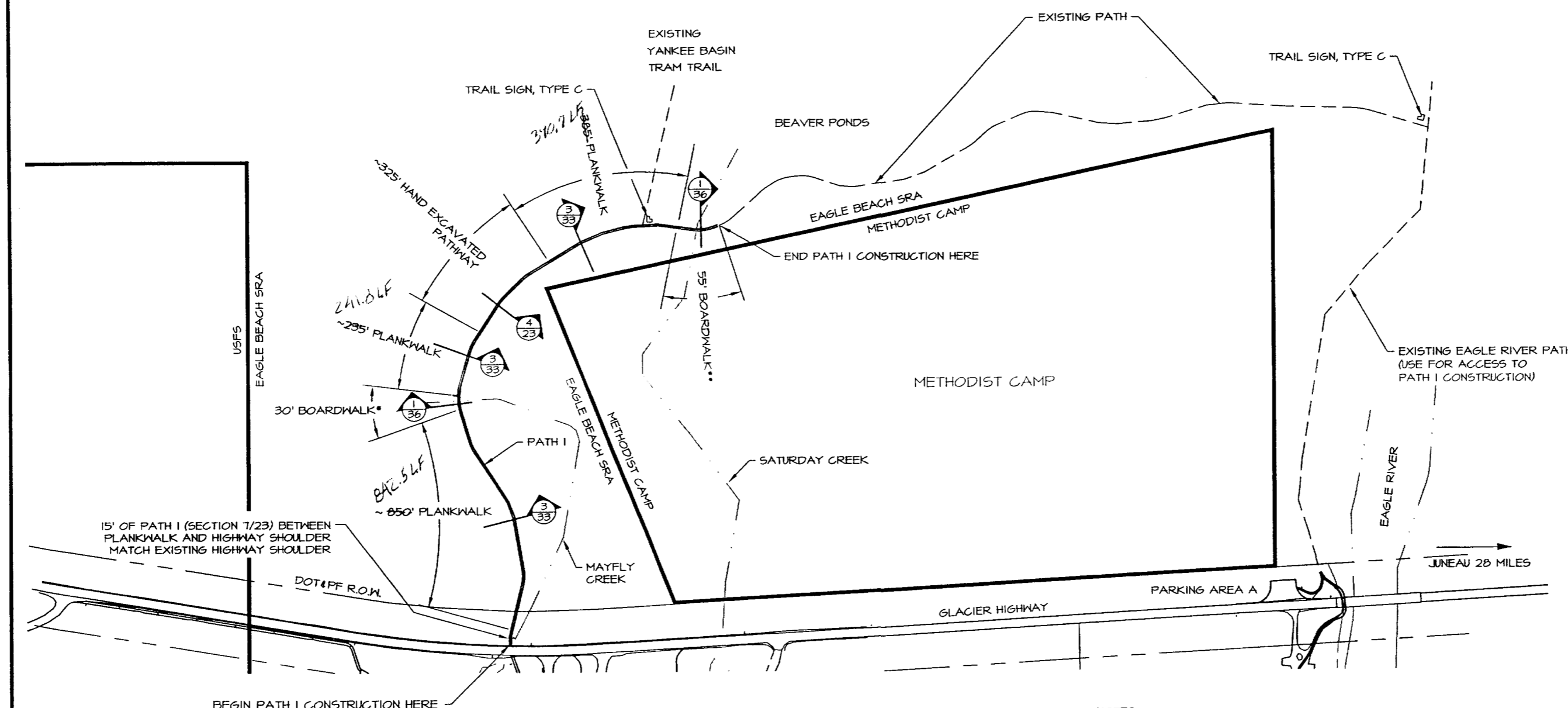


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AK	TEA-0003(61)/67593	2000	4	46



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	OVERVIEW SOUTH OF HIGHWAY	PREPARED: WIE DRAWN: WIE REVIEWED: JG DATE: OCT 00	SHEET 4 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET TOTAL
AK	TEA-0003(61)/67593	2000	5 OF 46

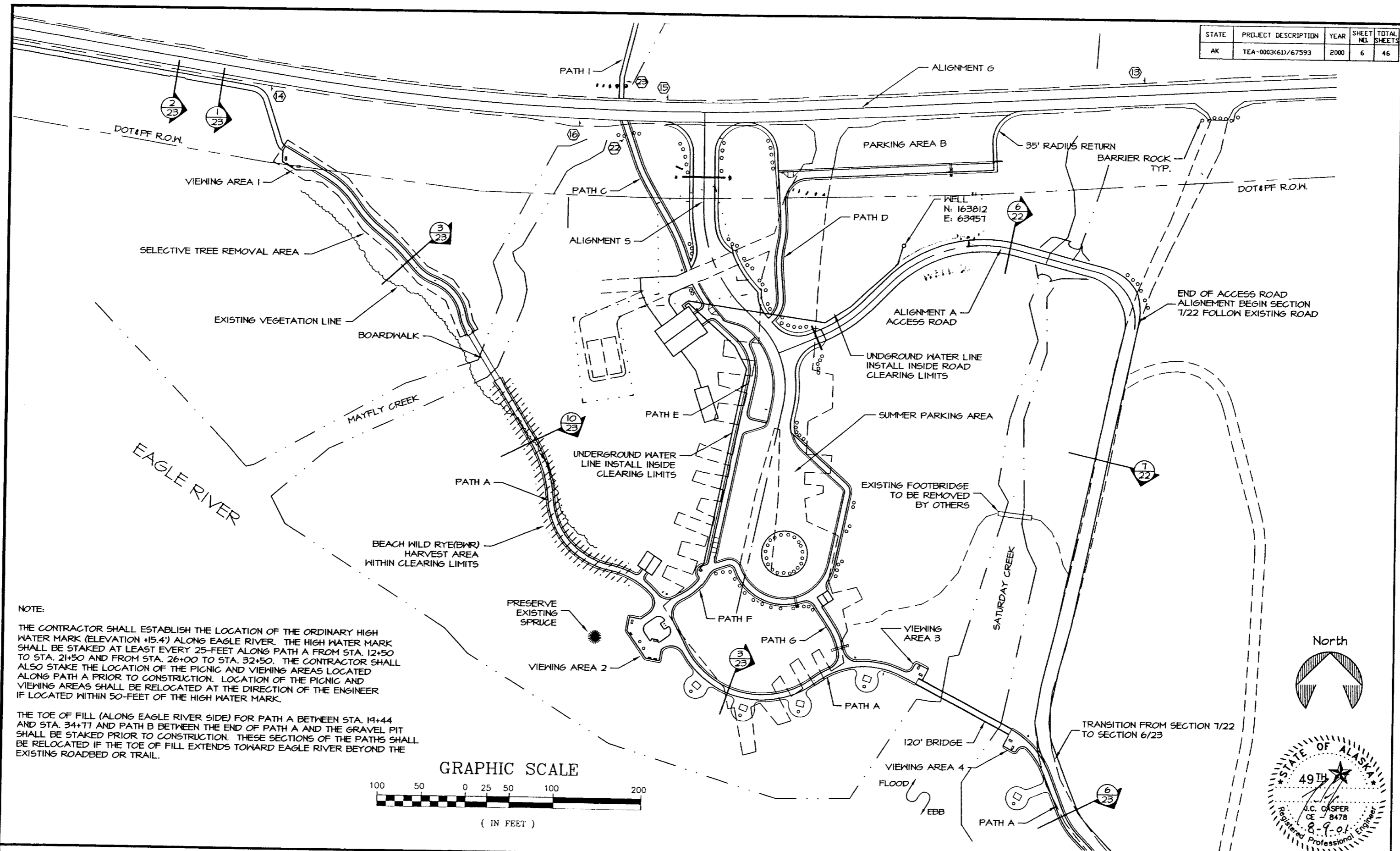


NOTES:
 ENGINEER WILL STAKE PATH I CENTERLINE ALIGNMENT IN THE FIELD. ADDITIONAL STAKING TO CONSTRUCT PLANKWALK & BOARDWALK SHALL BE PERFORMED BY THE CONTRACTOR.
 * SEE 3/35 FOR ELEVATION
 ** SEE 2/35 FOR ELEVATION



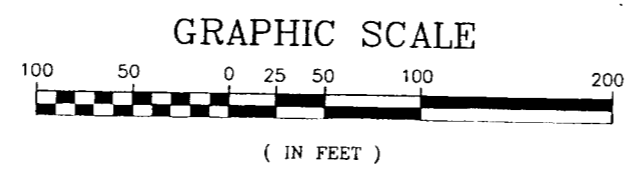
DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593		OVERVIEW NORTH OF HIGHWAY	PREPARED: P/E DRAWN: P/E REVIEWED: J/C DATE: OCT 00	SHEET 5 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	6	46



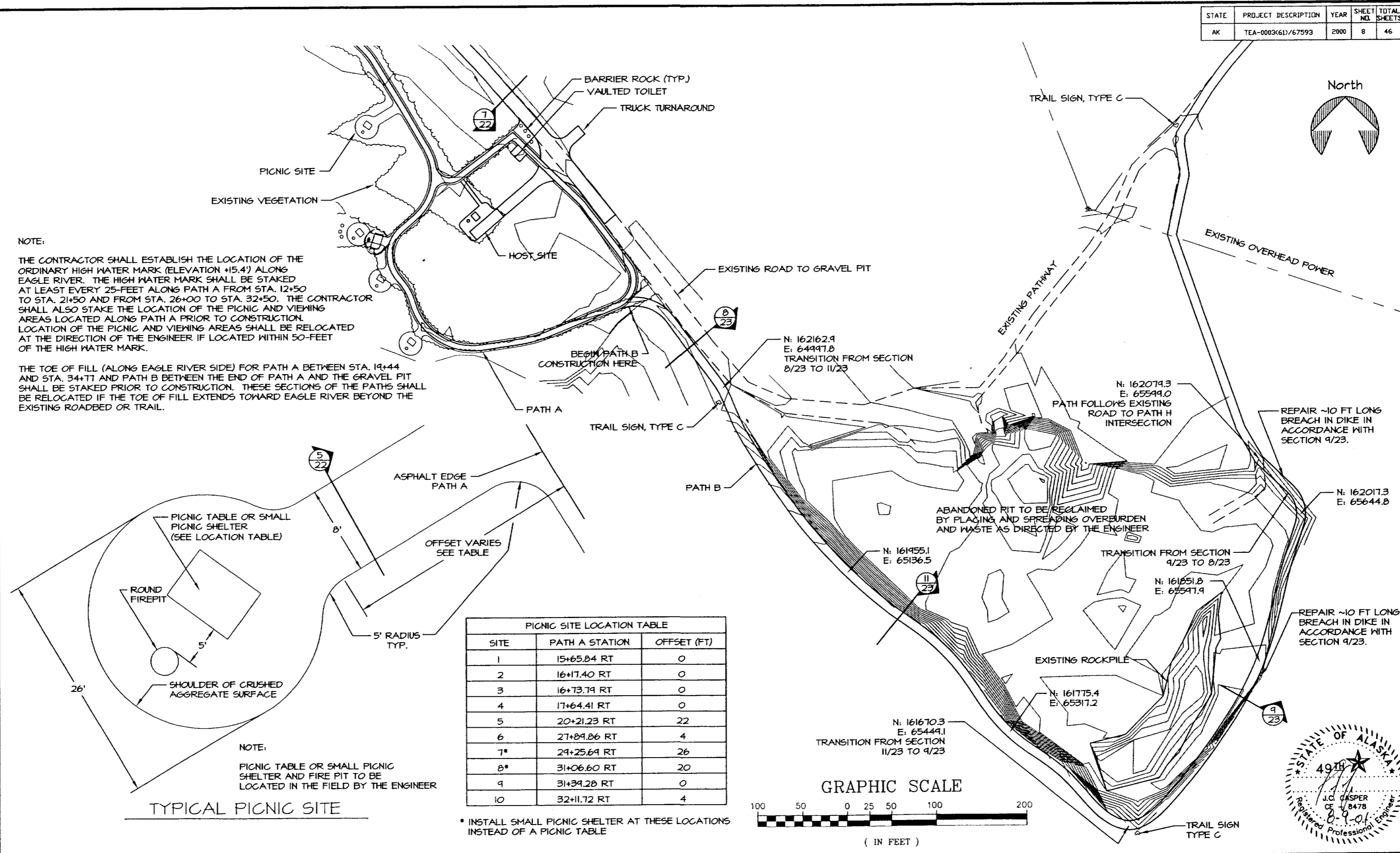
NOTE:
 THE CONTRACTOR SHALL ESTABLISH THE LOCATION OF THE ORDINARY HIGH WATER MARK (ELEVATION +15.4') ALONG EAGLE RIVER. THE HIGH WATER MARK SHALL BE STAKED AT LEAST EVERY 25-FOOT ALONG PATH A FROM STA. 12+50 TO STA. 21+50 AND FROM STA. 26+00 TO STA. 32+50. THE CONTRACTOR SHALL ALSO STAKE THE LOCATION OF THE PICNIC AND VIEWING AREAS LOCATED ALONG PATH A PRIOR TO CONSTRUCTION. LOCATION OF THE PICNIC AND VIEWING AREAS SHALL BE RELOCATED AT THE DIRECTION OF THE ENGINEER IF LOCATED WITHIN 50-FOET OF THE HIGH WATER MARK.

THE TOE OF FILL (ALONG EAGLE RIVER SIDE) FOR PATH A BETWEEN STA. 14+44 AND STA. 34+77 AND PATH B BETWEEN THE END OF PATH A AND THE GRAVEL PIT SHALL BE STAKED PRIOR TO CONSTRUCTION. THESE SECTIONS OF THE PATHS SHALL BE RELOCATED IF THE TOE OF FILL EXTENDS TOWARD EAGLE RIVER BEYOND THE EXISTING ROADBED OR TRAIL.



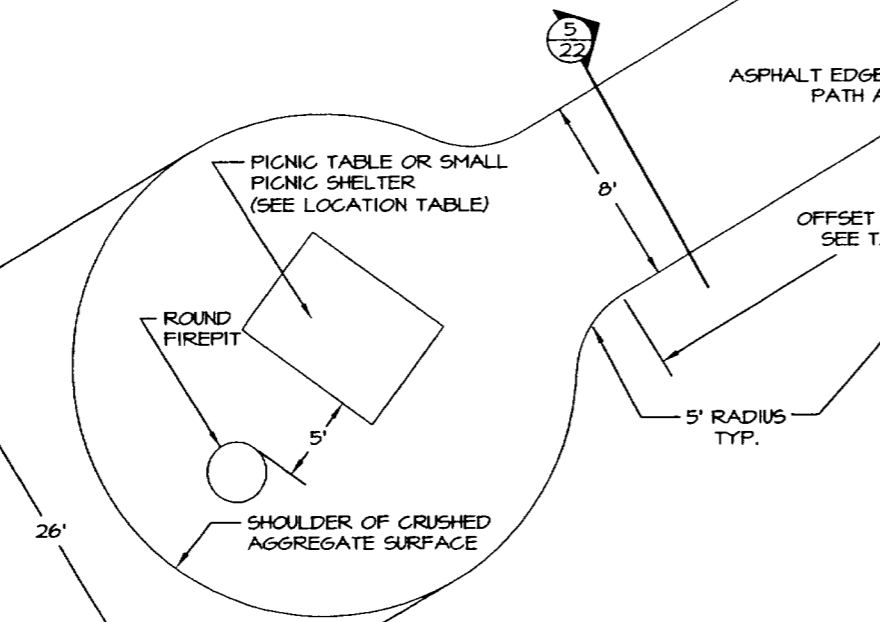
DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	GENERAL LAYOUT I	PREPARED: JVE DRAWN: JVE REVIEWED: JC DATE: OCT 00	SHEET 6 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	8	46



NOTE:
 THE CONTRACTOR SHALL ESTABLISH THE LOCATION OF THE ORDINARY HIGH WATER MARK (ELEVATION +15.4') ALONG EAGLE RIVER. THE HIGH WATER MARK SHALL BE STAKED AT LEAST EVERY 25- FEET ALONG PATH A FROM STA. 12+50 TO STA. 21+50 AND FROM STA. 26+00 TO STA. 32+50. THE CONTRACTOR SHALL ALSO STAKE THE LOCATION OF THE PICNIC AND VIEWING AREAS LOCATED ALONG PATH A PRIOR TO CONSTRUCTION. LOCATION OF THE PICNIC AND VIEWING AREAS SHALL BE RELOCATED AT THE DIRECTION OF THE ENGINEER IF LOCATED WITHIN 50- FEET OF THE HIGH WATER MARK.

THE TOE OF FILL (ALONG EAGLE RIVER SIDE) FOR PATH A BETWEEN STA. 19+44 AND STA. 34+71 AND PATH B BETWEEN THE END OF PATH A AND THE GRAVEL PIT SHALL BE STAKED PRIOR TO CONSTRUCTION. THESE SECTIONS OF THE PATHS SHALL BE RELOCATED IF THE TOE OF FILL EXTENDS TOWARD EAGLE RIVER BEYOND THE EXISTING ROADBED OR TRAIL.

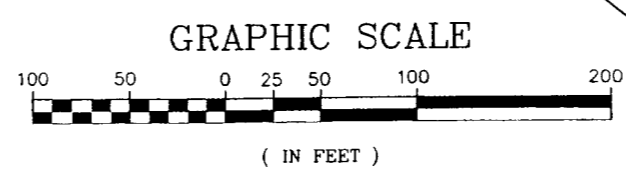


NOTE:
 PICNIC TABLE OR SMALL PICNIC SHELTER AND FIRE PIT TO BE LOCATED IN THE FIELD BY THE ENGINEER

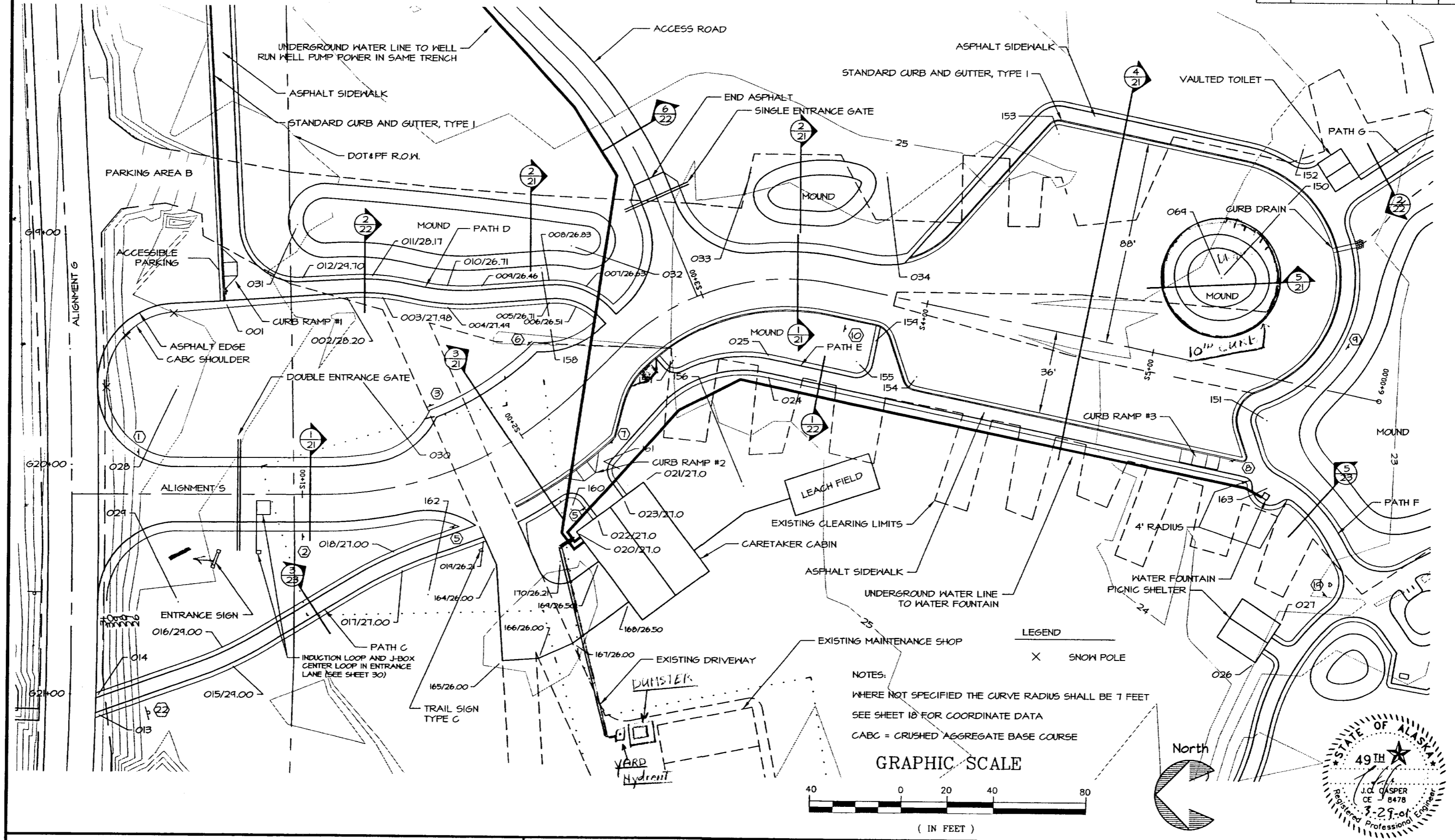
TYPICAL PICNIC SITE

SITE	PATH A STATION	OFFSET (FT)
1	15+65.84 RT	0
2	16+17.40 RT	0
3	16+73.79 RT	0
4	17+64.41 RT	0
5	20+21.23 RT	22
6	27+89.86 RT	4
7*	29+25.64 RT	26
8*	31+06.60 RT	20
9	31+39.28 RT	0
10	32+11.72 RT	4

* INSTALL SMALL PICNIC SHELTER AT THESE LOCATIONS INSTEAD OF A PICNIC TABLE

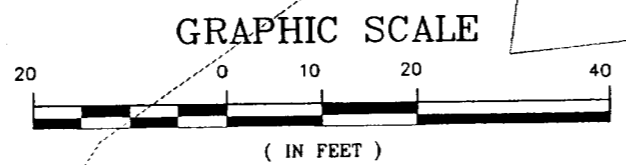
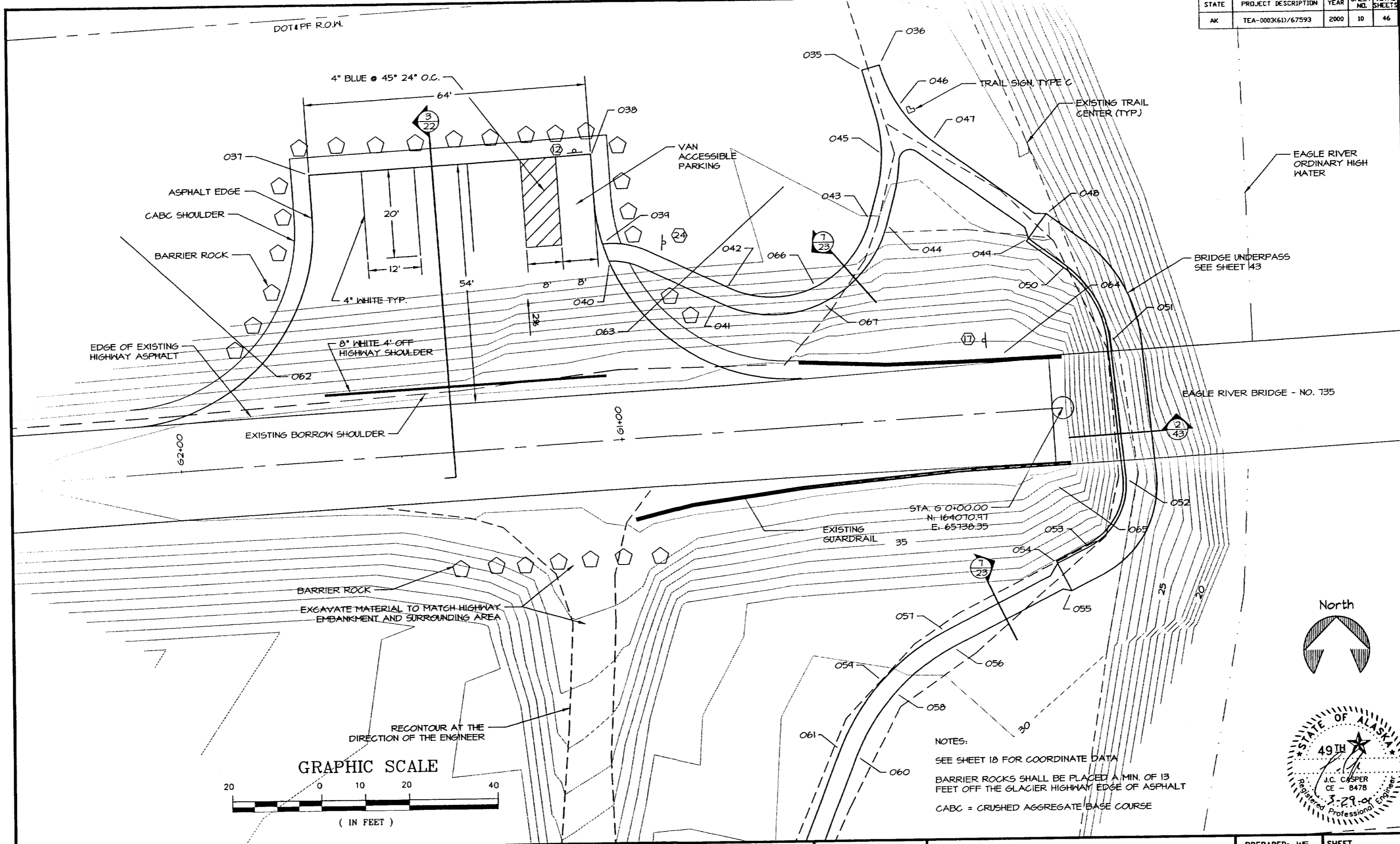


STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	9	46

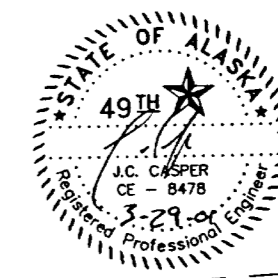
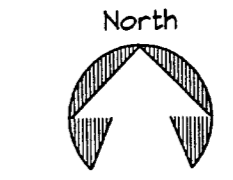


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	SUMMER PARKING DETAIL & LAYOUT	PREPARED: WE DRAWN: WE REVIEWED: JC DATE: OCT 00 SHEET 9 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	10	46

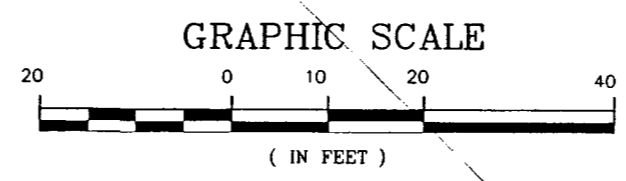
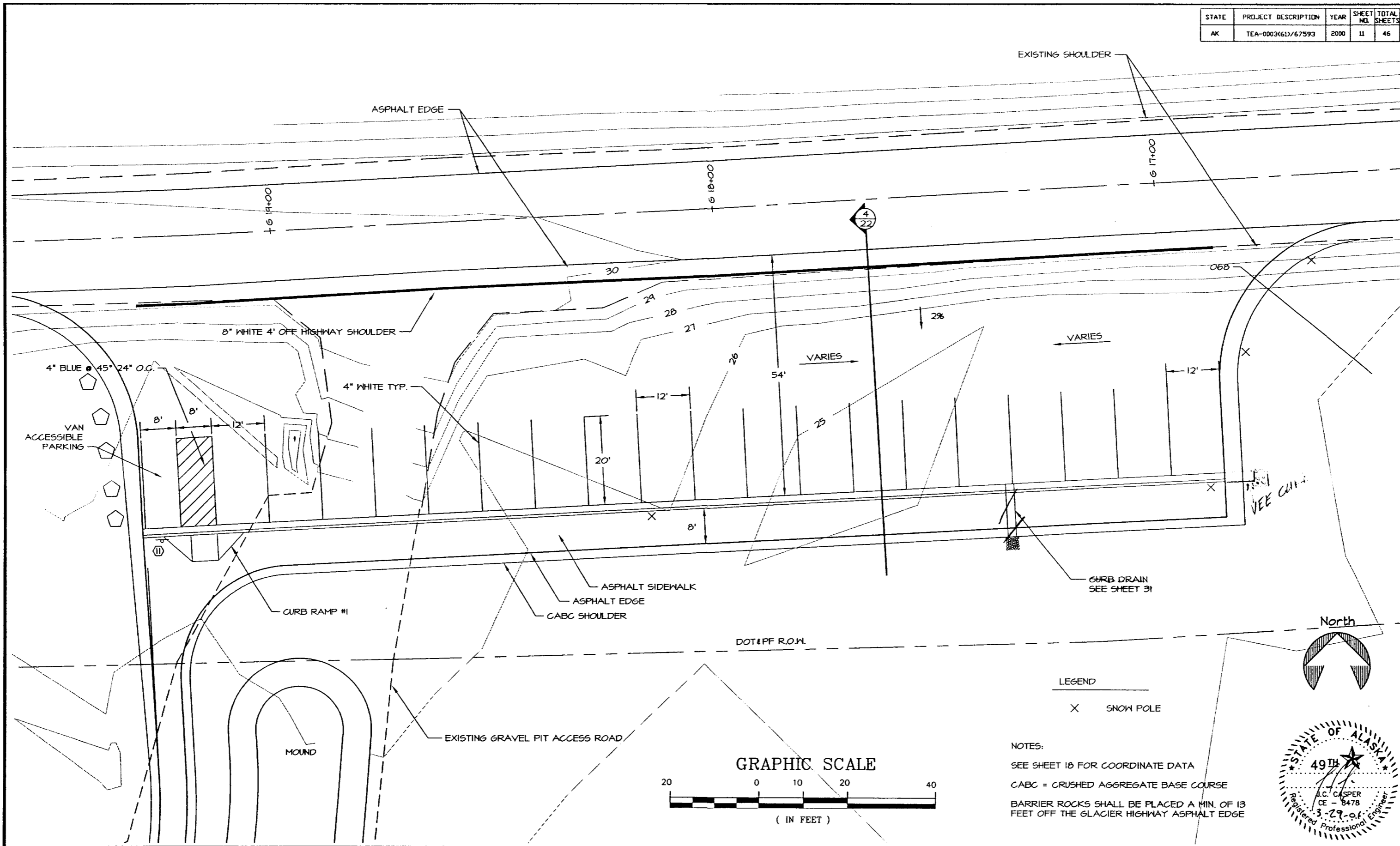


NOTES:
SEE SHEET 18 FOR COORDINATE DATA
BARRIER ROCKS SHALL BE PLACED A MIN. OF 13 FEET OFF THE GLACIER HIGHWAY EDGE OF ASPHALT
CABC = CRUSHED AGGREGATE BASE COURSE



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	PARKING AREA A LAYOUT & DETAIL	PREPARED: ME DRAWN: ME REVIEWED: JC DATE: OCT 00	SHEET 10 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	11	46



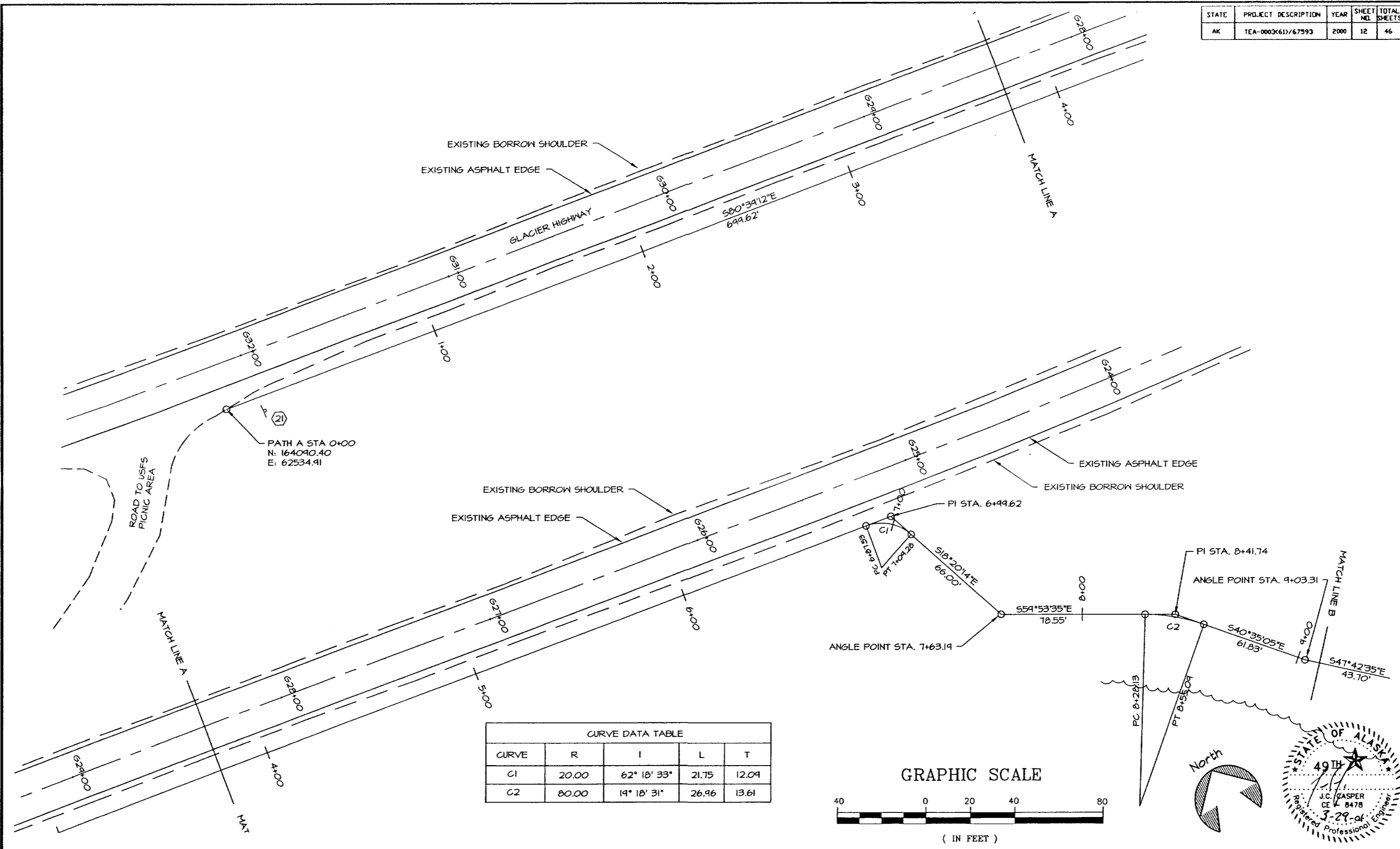
LEGEND
X SNOW POLE

NOTES:
SEE SHEET 10 FOR COORDINATE DATA
CABC = CRUSHED AGGREGATE BASE COURSE
BARRIER ROCKS SHALL BE PLACED A MIN. OF 13 FEET OFF THE GLACIER HIGHWAY ASPHALT EDGE

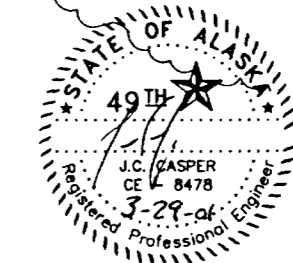
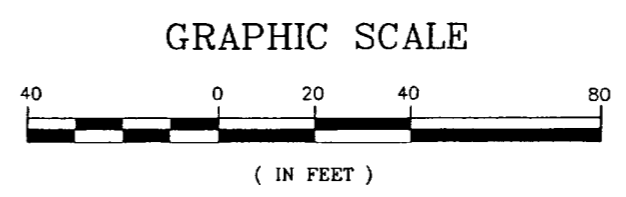


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	PARKING AREA B LAYOUT & DETAIL	PREPARED: ME	SHEET
			DRAWN: ME	11
			REVIEWED: JC	OF 46 SHEETS
			DATE: OCT 00	

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	12	46



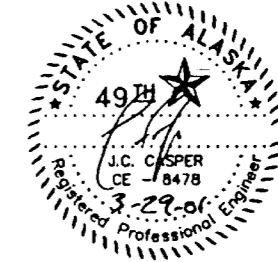
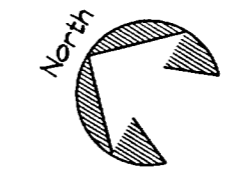
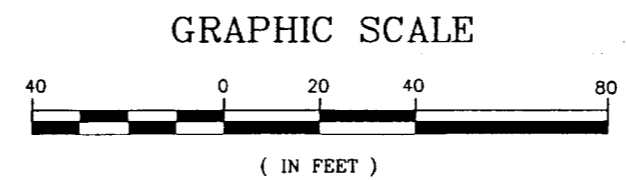
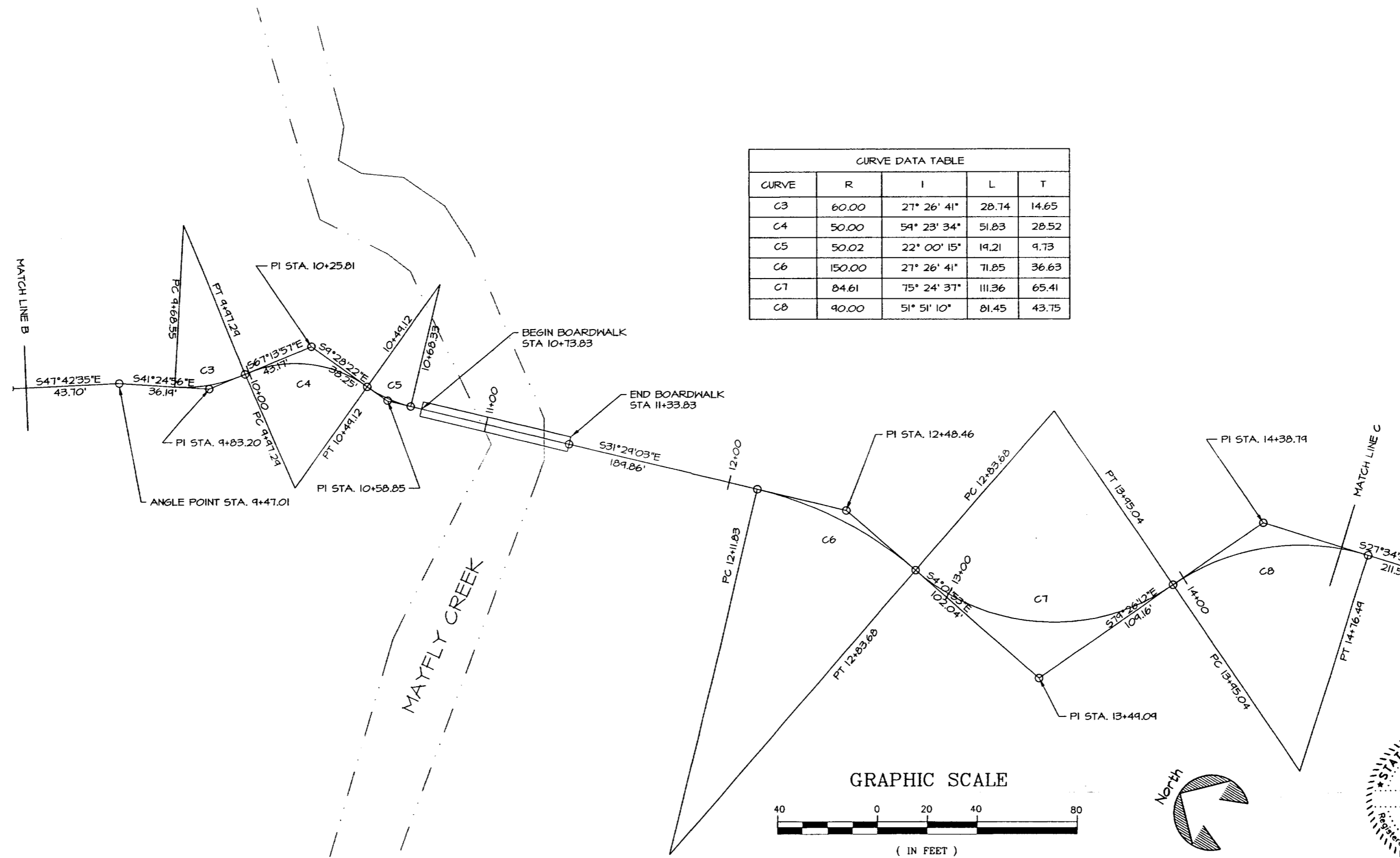
CURVE	R	I	L	T
C1	20.00	62° 18' 33"	21.75	12.09
C2	80.00	14° 18' 31"	26.96	13.61



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	PATH A LAYOUT	PREPARED: W.E. DRAWN: W.E. REVIEWED: J.C. DATE: OCT 00	SHEET 12 OF 46 SHEETS
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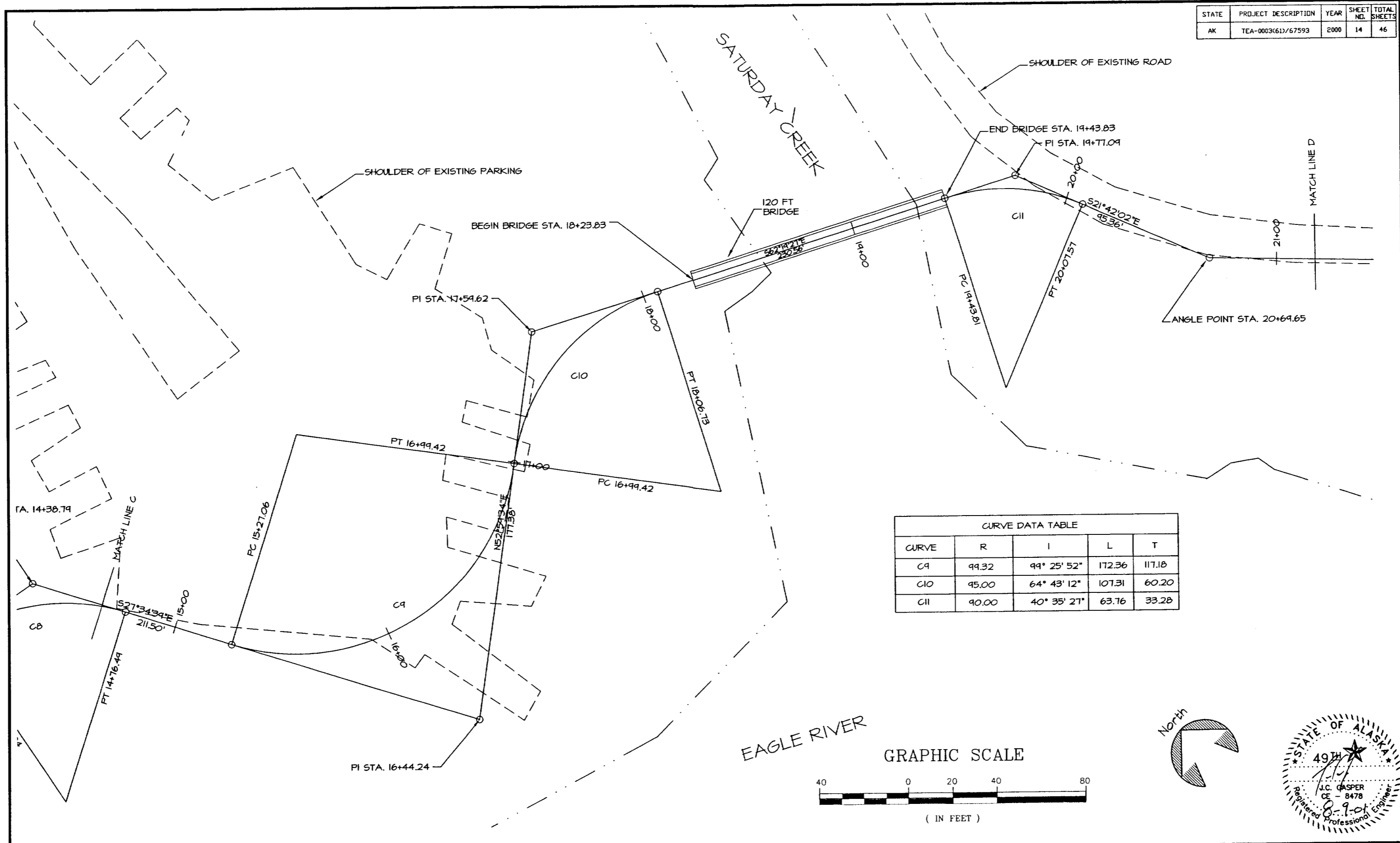
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	13	46

CURVE DATA TABLE				
CURVE	R	I	L	T
C3	60.00	27° 26' 41"	20.74	14.65
C4	50.00	54° 23' 34"	51.83	20.52
C5	50.02	22° 00' 15"	14.21	9.73
C6	150.00	27° 26' 41"	71.85	36.63
C7	84.61	75° 24' 37"	111.36	65.41
C8	90.00	51° 51' 10"	81.45	43.75

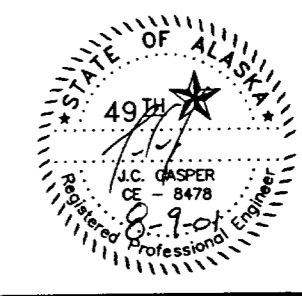
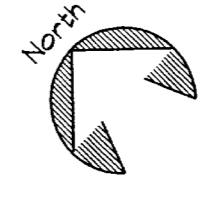
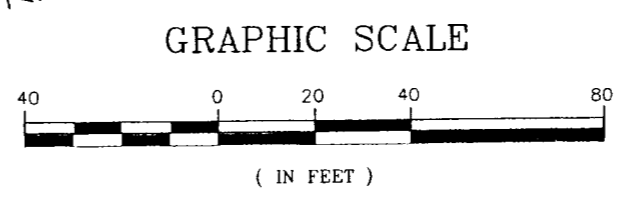


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION	STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	PATH A LAYOUT	PREPARED: YFE DRAWN: YFE REVIEWED: JG DATE: OCT 00	SHEET 13 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	14	46

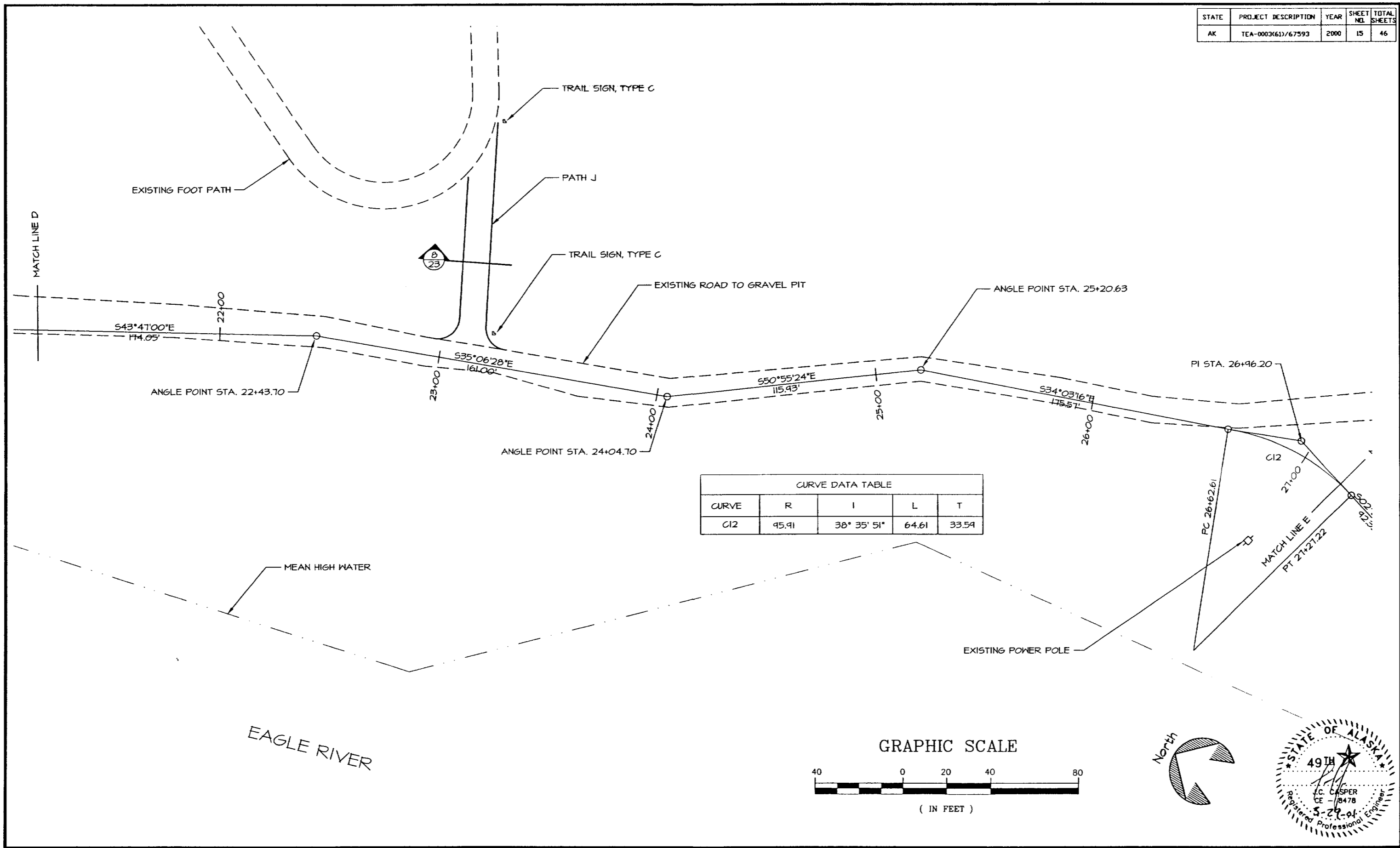


CURVE	R	I	L	T
C9	99.32	99° 25' 52"	172.36	117.18
C10	95.00	64° 43' 12"	107.31	60.20
C11	90.00	40° 35' 21"	63.76	33.28



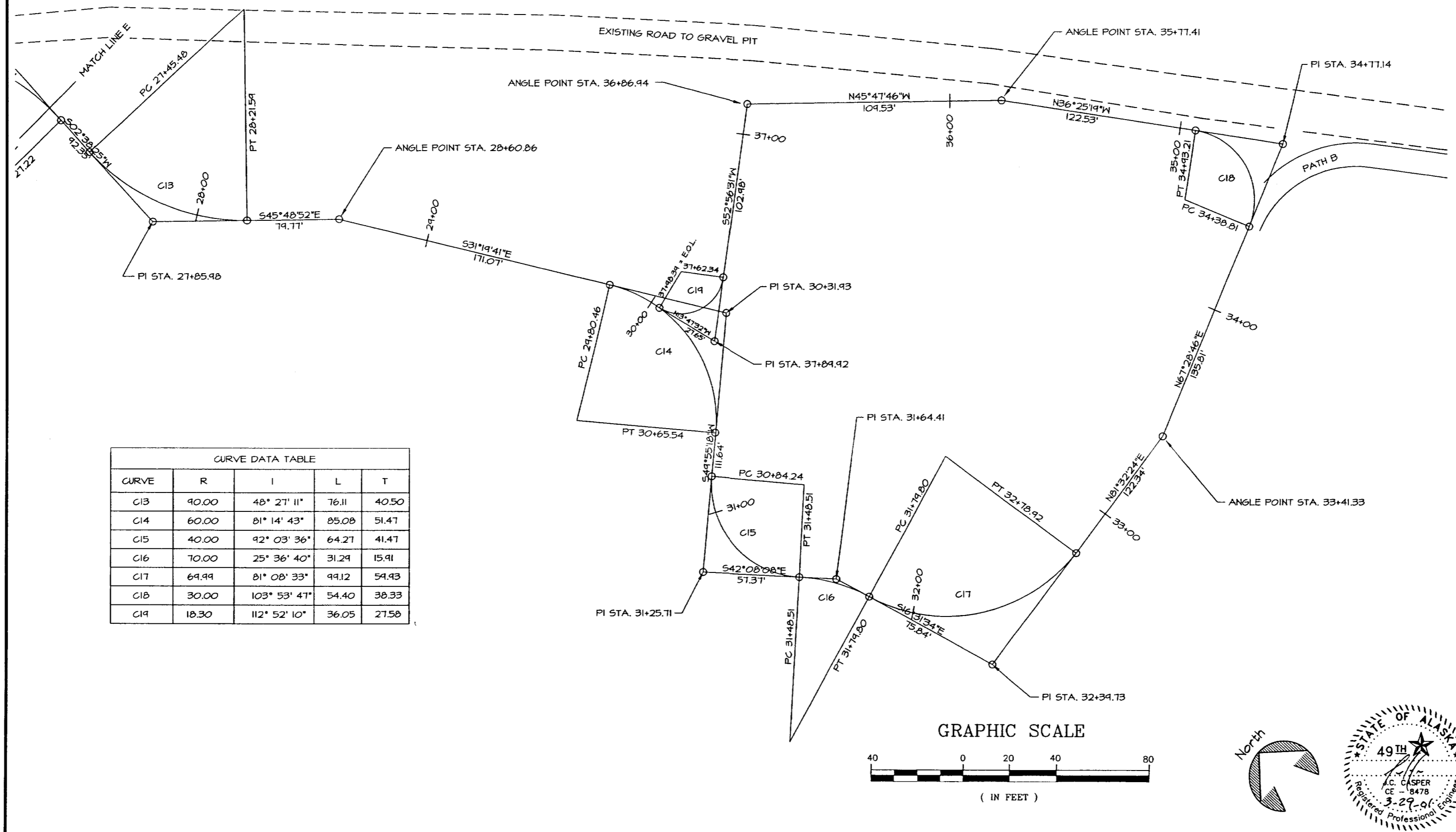
DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	PATH A LAYOUT	PREPARED: WE	SHEET
			DRAWN: WE	14
			REVIEWED: JC	OF 46 SHEETS
			DATE: OCT 00	

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	15	46

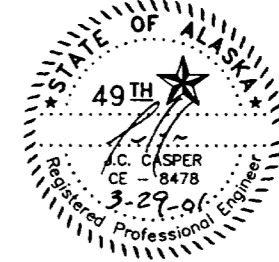
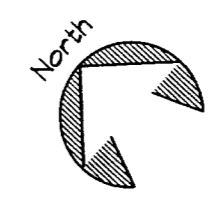
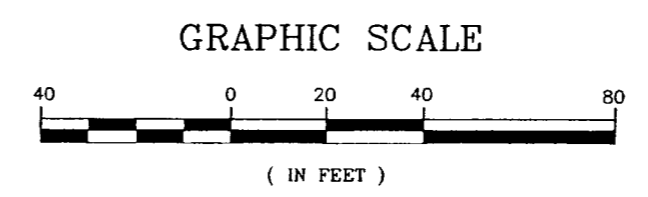


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593		PATH A LAYOUT	PREPARED: ME DRAWN: ME REVIEWED: JC DATE: OCT 00	SHEET 15 OF 46 SHEETS
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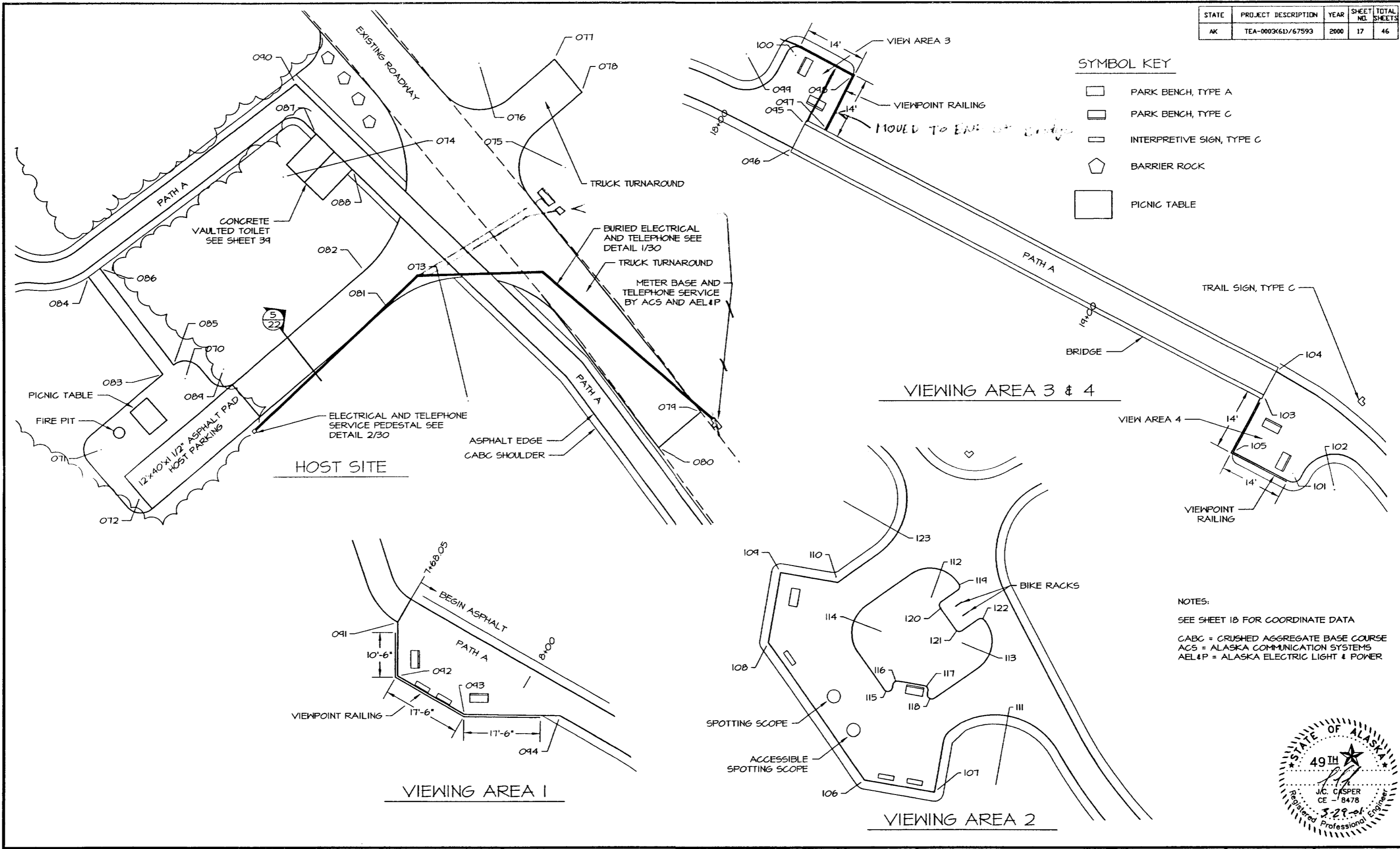
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	16	46



CURVE	R	I	L	T
C13	90.00	48° 27' 11"	76.11	40.50
C14	60.00	81° 14' 43"	85.08	51.47
C15	40.00	92° 03' 36"	64.27	41.47
C16	70.00	25° 36' 40"	31.29	15.91
C17	69.99	81° 08' 33"	99.12	59.93
C18	30.00	103° 53' 47"	54.40	38.33
C19	18.30	112° 52' 10"	36.05	27.58



STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	17	46



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	DETAIL LAYOUTS SYMBOL KEY	PREPARED: WE DRAWN: WE REVIEWED: JC DATE: OCT 00	SHEET 17 OF 46 SHEETS
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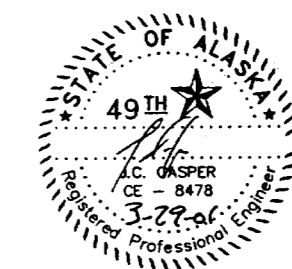
PT NO.	RADIUS	NORTHING	EASTING	DESCRIPTION
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002		63841.08	63816.48	EDGE ASPHALT
003		63825.16	63816.48	EDGE ASPHALT
004		63741.98	63812.30	EDGE ASPHALT
005		63751.82	63814.01	EDGE ASPHALT
006		63740.20	63813.08	EDGE ASPHALT
007		63738.00	63813.66	EDGE ASPHALT
008		63752.24	63820.14	EDGE ASPHALT
009		63782.95	63818.35	EDGE ASPHALT
010		63741.55	63818.24	EDGE ASPHALT
011		63830.23	63822.14	EDGE ASPHALT
012		63860.75	63821.36	EDGE ASPHALT
013		63948.41	63833.31	EDGE ASPHALT
014		63948.26	63834.14	EDGE ASPHALT
015		63884.71	63855.13	EDGE ASPHALT
016		63842.35	63860.55	EDGE ASPHALT
017		63815.24	63841.45	EDGE ASPHALT
018		63811.11	63703.41	EDGE ASPHALT
019		63780.09	63711.22	EDGE ASPHALT
020		63740.20	63713.76	CABIN CORNER
021		63711.43	63735.40	CABIN CORNER
022		63731.41	63720.37	EDGE ASPHALT
023		63720.22	63728.14	EDGE ASPHALT
024		63651.88	63783.24	EDGE ASPHALT
025		63656.65	63784.12	EDGE ASPHALT
026		63445.27	63654.31	PICNIC SHELTER CORNER
027		63434.24	63676.02	PICNIC SHELTER CORNER
028	34.4	63413.56	63715.57	EDGE ASPHALT
029	35.0	63412.18	63681.82	EDGE ASPHALT
030	36.7	63434.11	63711.11	EDGE ASPHALT
031	25.0	63386.14	63846.32	EDGE ASPHALT
032	35.0	63743.27	63831.81	EDGE ASPHALT
033	35.0	63665.16	63810.24	EDGE ASPHALT
034	40.0	63606.55	63810.62	EDGE ASPHALT
035		64147.63	65644.26	SHOULDER CABG
036		64148.74	65648.10	SHOULDER CABG
037		64125.93	65668.36	EDGE ASPHALT
038		64124.74	65632.24	EDGE ASPHALT
039		64104.34	65634.74	SHOULDER CABG
040		64105.43	65636.16	SHOULDER CABG
041		64095.48	65660.53	SHOULDER CABG
042		64094.26	65662.85	SHOULDER CABG
043		64114.00	65645.44	SHOULDER CABG
044		64112.93	65644.24	SHOULDER CABG
045		64128.90	65648.30	SHOULDER CABG
046		64134.55	65702.36	SHOULDER CABG
047		64131.63	65704.80	SHOULDER CABG
048		64114.85	65735.27	SIDEWALK CORNER
049		64104.32	65731.18	SIDEWALK CORNER
050		64103.03	65734.56	SIDEWALK CORNER
051		64085.56	65744.42	SIDEWALK CORNER
052		64054.84	65752.54	SIDEWALK CORNER
053		64034.27	65743.83	SIDEWALK CORNER
054		64035.65	65736.64	SIDEWALK CORNER
055		64024.41	65734.86	SIDEWALK CORNER
056		64011.13	65712.92	SHOULDER CABG
057		64020.10	65711.11	SHOULDER CABG
058		64001.03	65694.68	SHOULDER CABG
059		64004.12	65696.71	SHOULDER CABG
060		63992.87	65690.84	SHOULDER CABG
061		63994.33	65681.17	SHOULDER CABG
062	44.0	64113.32	65525.03	EDGE ASPHALT
063	23.0	64122.38	65676.76	EDGE ASPHALT
064	25.0	64083.04	65724.55	SIDEWALK EDGE/Wall Face
065	16.0	64053.54	65736.54	SIDEWALK EDGE/Wall Face
066		64044.00	65682.84	SHOULDER CABG
067		64045.38	65684.57	SHOULDER CABG
068	35.0	63430.18	64040.90	EDGE ASPHALT
069	26.0	63461.32	63826.08	EDGE ASPHALT

PT NO.	RADIUS	NORTHING	EASTING	DESCRIPTION
070	5.0	642366.74	64132.70	SHOULDER CABG
071	5.0	642346.58	64104.13	SHOULDER CABG
072	5.0	642333.67	64120.14	SHOULDER CABG
073	35.0	642360.35	64812.77	SHOULDER CABG
074	35.0	642423.61	64760.57	SHOULDER CABG
075	13.0	642426.03	64840.21	SHOULDER ACCESS ROAD
076	13.0	642455.35	64816.02	SHOULDER ACCESS ROAD
077		642456.34	64837.21	SHOULDER ACCESS ROAD
078		642441.13	64844.85	SHOULDER ACCESS ROAD
079		642351.18	64878.21	SHOULDER ACCESS ROAD
080		642346.41	64866.23	SHOULDER ACCESS ROAD
081		642386.42	64784.94	SHOULDER CABG
082		642341.04	64783.35	SHOULDER CABG
083		642361.98	64726.40	SHOULDER CABG
084		642345.46	64705.65	SHOULDER CABG
085		642370.58	64724.45	SHOULDER CABG
086		642347.83	64708.87	SHOULDER CABG
087		642435.75	64764.74	CORNER TOILET
088		642425.50	64780.24	CORNER TOILET
089	5.0	642369.50	64743.55	SHOULDER CABG
090		642444.54	64764.13	EDGE ASPHALT
091		642404.10	63248.62	EDGE ASPHALT
092		642406.98	63248.60	EDGE ASPHALT
093		642388.22	63263.70	EDGE ASPHALT
094		642381.41	63285.17	EDGE ASPHALT
095		642320.34	63480.16	BRIDGE DECK CORNER
096		642315.07	63477.37	BRIDGE DECK CORNER
097		642319.10	63484.76	EDGE ASPHALT
098		642331.20	63491.11	EDGE ASPHALT
099	8.0	642336.12	63466.96	EDGE ASPHALT
100	2.0	642335.78	63478.08	EDGE ASPHALT
101	2.0	642341.55	64040.11	EDGE ASPHALT
102	8.0	642327.82	64044.45	EDGE ASPHALT
103		642254.27	64083.61	BRIDGE DECK CORNER
104		642264.58	64086.40	BRIDGE DECK CORNER
105		642246.24	64076.74	EDGE ASPHALT
106		642334.71	63664.92	EDGE ASPHALT
107		642336.46	63685.64	EDGE ASPHALT
108		642310.20	63648.07	EDGE ASPHALT
109		642386.56	63650.83	EDGE ASPHALT
110		642384.30	63663.80	EDGE ASPHALT
111	16.5	642337.75	63644.22	EDGE ASPHALT
112	7.5	642380.01	63684.66	EDGE ASPHALT
113	7.5	642371.01	63690.98	EDGE ASPHALT
114	7.5	642372.84	63674.53	EDGE ASPHALT
115	1.0	642360.62	63675.21	EDGE ASPHALT
116	1.0	642361.02	63677.31	EDGE ASPHALT
117	1.0	642354.44	63683.22	EDGE ASPHALT
118	1.0	642358.40	63685.06	EDGE ASPHALT
119	1.0	642383.34	63690.26	EDGE ASPHALT
120	1.0	642374.11	63687.73	EDGE ASPHALT
121	1.0	642374.25	63641.21	EDGE ASPHALT
122	1.0	642375.16	63646.01	EDGE ASPHALT
123	15.0	642403.08	63664.44	EDGE ASPHALT
124		642406.08	63708.86	EDGE ASPHALT
125		642404.04	63701.65	EDGE ASPHALT
126	57.0	642464.54	63684.74	EDGE ASPHALT
127	17.7	642390.38	63717.06	EDGE ASPHALT
128	15.0	642422.38	63644.70	EDGE ASPHALT
129	14.0	642430.03	63753.54	EDGE ASPHALT
130	5.0	642431.10	63671.54	EDGE ASPHALT
131	17.0	642346.36	63872.18	EDGE ASPHALT
132	17.0	642356.14	63910.95	EDGE ASPHALT
133		642364.18	63888.74	EDGE ASPHALT
134		642366.76	63883.30	EDGE ASPHALT
135		642382.80	63881.37	EDGE ASPHALT
136		642374.50	63876.36	EDGE ASPHALT
137	12.0	642345.46	63851.16	EDGE ASPHALT
138		642414.68	63875.71	TOILET CORNER
139		642411.47	63864.01	TOILET CORNER

PT NO.	RADIUS	NORTHING	EASTING	DESCRIPTION
140		* POINT NOT USED *		
141	5.0	642434.84	63658.16	EDGE ASPHALT
142		* POINT NOT USED *		
143		* POINT NOT USED *		
144		* POINT NOT USED *		
145		* POINT NOT USED *		
146		* POINT NOT USED *		
147		* POINT NOT USED *		
148		* POINT NOT USED *		
149		* POINT NOT USED *		
150	52.0	643461.32	63826.08	BACK OF CURB
151	13.0	643440.95	63764.36	BACK OF CURB
152	10.0	643425.46	63883.86	EDGE ASPHALT
153	6.0	643532.20	63887.83	BACK OF CURB
154	6.0	643543.12	63782.02	BACK OF CURB
155	7.0	643619.38	63788.51	EDGE ASPHALT
156	50.0	643668.07	63734.24	EDGE ASPHALT
157	7.0	643647.81	63784.83	EDGE ASPHALT
158	36.7	643756.15	63828.21	EDGE ASPHALT
159	8.0	643612.56	63746.28	BACK OF CURB
160	7.0	643742.54	63723.38	EDGE ASPHALT
161	7.0	643720.15	63740.34	EDGE ASPHALT
162	36.7	643804.43	63688.87	EDGE ASPHALT
163	8.0	643434.24	63735.84	EDGE ASPHALT
164		643774.54	63664.21	EDGE ASPHALT
165		643771.63	63657.38	EDGE ASPHALT
166		643755.98	63658.44	EDGE ASPHALT
167		643741.41	63665.12	EDGE ASPHALT
168		643717.27	63683.24	EDGE ASPHALT
169		643730.50	63700.87	EDGE ASPHALT
170	10.0	643747.01	63700.96	EDGE ASPHALT

NOTES:

- ANNOTATION SYMBOLS INDICATE SPOT ELEVATIONS, LOCATION COORDINATES & RADIUS POINTS.
- LOCATION COORDINATES ARE INDICATED BY AN OFFSET LEADER AND ###/###. THE FIRST NUMERICAL VALUE INDICATES THE COORDINATE POINT NO. FOUND IN TABLES. THE SECOND NUMERICAL VALUE INDICATES ELEVATION TO THE 1/100 OF A FOOT. RADIUS INFORMATION (IF APPLICABLE) IS FOUND IN THE TABLES.
- IF COORDINATE POINT IS NOT FOLLOWED BY AN ELEVATION THEN FINISH GRADE(FG) SHALL MATCH EXISTING FG FEATURES OR ADJACENT FACILITIES UNLESS OTHERWISE SPECIFIED.
- CABG = CRUSHED AGGREGATE BASE COURSE



DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

COORDINATE TABLES

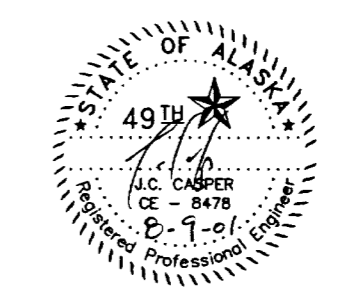
PREPARED: WE SHEET
DRAWN: WE 18
REVIEWED: JC
DATE: OCT 00 OF 46 SHEETS

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	BID QUANTITY	ITEM NO.	ITEM	UNIT	BID QUANTITY
201(3B)	Clearing and Grubbing	L.S.	All Req'd	646(1)	Dozer With 6' Hay Blade, 65 Horsepower Min.	Hour	20 21
201(4B)	Hand Clearing	L.S.	All Req'd	646(3)	4WD Articulated Wheel Loader, 3 C.Y. Bucket Min., 150 Horsepower Min.	Hour	20 32
201(6)	Selective Tree Removal	Each	100	646(30)	Laborer	Hour	370
202(1)	Removal of Structures and Obstructions	L.S.	All Req'd	650(1)	Picnic Table	Each	4
203(1)	Unclassified Excavation	L.S.	All Req'd	650(3A)	Park Bench, Type A	Each	1
203(12A)	Borrow, Type A	L.S.	All Req'd	650(3C)	Park Bench, Type C	Each	7
203(18)	Pathway Linear Grading	Station	35.5	650(4)	Round Firepit	Each	11
301(1)	Crushed Aggregate Base Course	Ton	3450	650(6)	Single Entrance Gate	Each	1
401(1)	Asphalt Concrete Pavement	Ton	490	650(9)	Double Entrance Gate	Each	1
501(8)	Bridge Underpass	L.S.	All Req'd	650(11)	Spotting Scope	Each	2
504(3)	Prefabricated Steel Bridge	L.S.	All Req'd	650(12)	Boardwalk	L.F.	145
505(5)	Structural Steel Piles, Furnished	L.F.	304.4	650(13)	Plankwalk	L.F.	1475
505(6)	Structural Steel Piles, Driven	Each	26	650(15)	Bearproof Dumpster	Each	1
603(17-12)	12 Inch Pipe	L.F.	15	650(21)	Barrier Rack	Each	100 177
603(20-12)	End Section for 12 Inch Pipe	Each	2	650(23)	Railing	L.F.	70 114
603(22)	12' Corrugated Steel Pipe Arch	L.F.	50	650(26)	Picnic Shelter	Each	1
604(8)	Curb Drain	Each	2	650(26A)	Small Picnic Shelter	Each	2
609(2)	Curb and Gutter, Type I	L.F.	340	650(38)	Entrance Sign	Each	1
615(1)	Standard Signs	S.F.	124.25	650(40A)	Interpretive Sign, Type A	Each	3
615(4)	Snow Poles	Each	7	650(40C)	Interpretive Sign, Type C	Each	5
618(2)	Seeding	Pound	27	650(41C)	Trail Sign, Type C	Each	18 12
620(1)	Topsoil, Class B	S.Y.	3000	650(50)	Bicycle Rack	Each	2
621(1)	Sitka Spruce Tree	Each	25	652(1)	Drilling	L.F.	100 270
626(2)	Sanitary Sewer System	L.S.	All Req'd	652(2)	Casing	L.F.	100 72
627(2A)	Water System	L.S.	All Req'd	652(3)	Yield Testing	Hr.	4
640(1)	Mobilization and Demobilization	L.S.	All Req'd	652(4)	Well Screen	L.F.	5
641(2)	Erosion and Pollution Control	C.S.	All Req'd	652(5)	Well Construction	L.S.	All Req'd
642(1)	Construction Surveying	L.S.	All Req'd	654(1)	Concrete Vaulted Toilet	Each	2
642(2)	Three Person Survey Party	Hour	18	655(1)	Caretakers Cabin/Visitor Contact Station	L.S.	All Req'd
643(2)	Traffic Maintenance	L.S.	All Req'd	670(1)	Painted Traffic Markings	L.S.	All Req'd
644(6)	Field Transportation	Each	1				

609(1A)	10' Radius Curb	L.S.	All Req'd
652(5A)	Well Abandonment	L.S.	All Req'd

ITEM NO.	ITEM	UNIT WEIGHT
203(12A)	Borrow, Type A	125 LB./C.F.
301(1)	Crushed Aggregate Base Course	145 LB./C.F.
401(1)	Asphalt Concrete Pavement	115 LB./Sq. Yd. In.



STANDARD SIGN SUMMARY ITEM 615(1)										
POST NO.	STATION	CODE	LEGEND	SIZE	THICKNESS (INCH)	AREA (SF)	SIGN POST DATA			
							TYPE	SIZE	NO.	
1	S 0+29L	RI-1	STOP	30" X 30"	0.080	6.25	PT	2 1/2" x 2 1/2"	1 EA.	
N/A*	S 0+72	RT-101	NO PARKING ANYTIME	12" X 18"	0.080	1.50				
2	S 1+00R	R2-1	SPEED LIMIT 10	18" X 24"	0.080	3.00	PT	2 1/2" x 2 1/2"	1 EA.	
3	S 1+70L	CS-4R	REGULATORY SIGN (10 MIN PARKING)	12" X 18"	0.080	1.50	PT	2" x 2"	1 EA.	
4	S 1+60R	CS-4L	REGULATORY SIGN (10 MIN PARKING)	12" X 18"	0.080	1.50	PT	2" x 2"	1 EA.	
5	S 2+05R	CS-2	Information Sign (Volunteer Park Host)	24" X 18"	0.080	3.00	PT	2" x 2"	1 EA.	
6	S 2+30L	CS-4L	REGULATORY SIGN (10 MIN PARKING)	12" X 18"	0.080	1.50	PT	2" x 2"	1 EA.	
7	S 2+30R	CS-4R	REGULATORY SIGN (10 MIN PARKING)	12" X 18"	0.080	1.50	PT	2" x 2"	1 EA.	
N/A**	S 3+00L	RT-101	NO PARKING ANYTIME	12" X 18"	0.080	1.50				
8	S 5+40R	RT-B	RESERVED PARKING	12" X 18"	0.080	1.50	PT	2" x 2"	1 EA.	
9	S 5+75L	RT-101 RT-201	NO PARKING ANYTIME TOW-AWAY ZONE	12" X 18" 12" X 6"	0.080 0.080	1.50 0.50	PT	2" x 2"	1 EA.	
10	S 3+70R	CS-1	Information Sign (Day Use/No Camping)	18" X 24"	0.080	3.00	PT	2" x 2"	1 EA.	
11	G 1+28L	RT-B	RESERVED PARKING	12" X 18"	0.080	1.50	PT	2" x 2"	1 EA.	
12	G 1+06R	RT-B	RESERVED PARKING	12" X 18"	0.080	1.50	PT	2" x 2"	1 EA.	
13	G 11+90R	CS-3 RS-34	DIRECTIONAL GUIDE SIGN*** PARKING SYMBOL SIGN	30" X 110" 18" X 18"	0.125 0.080	23.0 2.25	TS	3" x 3" x 3/16" 1/4" SLIP BASE	2 EA.	
14	G 25+13R	CS-3 RS-34	DIRECTIONAL GUIDE SIGN*** PARKING SYMBOL SIGN	30" X 110" 18" X 18"	0.125 0.080	23.0 2.25	TS	3" x 3" x 3/16" 1/4" SLIP BASE	2 EA.	
15	G 20+55R	W11-2	PEDESTRIAN XING (SYMBOL) PED XING	36" X 36" 18" X 24"	0.100 0.080	9.0 3.0	TS	3" x 3" x 3/16" 1/4" SLIP BASE	1 EA.	
16	G 21+55L	W11-2	PEDESTRIAN XING (SYMBOL) PED XING	36" X 36" 18" X 24"	0.100 0.080	9.0 3.0	TS	3" x 3" x 3/16" 1/4" SLIP BASE	1 EA.	
17	G 0+15R	RS-34R	PARKING SYMBOL SIGN RIGHT ARROW	18" X 18" 18" X 4"	0.080 0.080	2.25 0.5	PT	2 1/2" x 2 1/2"	1 EA.	
18	G 2+80L	RS-34L	PARKING SYMBOL SIGN LEFT ARROW	18" X 18" 18" X 4"	0.080 0.080	2.25 0.5	PT	2 1/2" x 2 1/2"	1 EA.	
19	A 14+55L	RS-6	NO BICYCLES SYMBOL SIGN	18" X 18"	0.080	2.25	PT	2" x 2"	1 EA.	
20	A 17+55R	RS-6	NO BICYCLES SYMBOL SIGN	18" X 18"	0.080	2.25	PT	2" x 2"	1 EA.	
21	A 0+15R	RS-6	NO BICYCLES SYMBOL SIGN	18" X 18"	0.080	2.25	PT	2 1/2" x 2 1/2"	1 EA.	
22	G 21+00R	RS-6	NO BICYCLES SYMBOL SIGN	18" X 18"	0.080	2.25	PT	2 1/2" x 2 1/2"	1 EA.	
23	G 21+06L	RS-6	NO BICYCLES SYMBOL SIGN	18" X 18"	0.080	2.25	PT	2 1/2" x 2 1/2"	1 EA.	
24	SEE SHEET 10	RS-6	NO BICYCLES SYMBOL SIGN	18" X 18"	0.080	2.25	PT	2 1/2" x 2 1/2"	1 EA.	
						TOTALS =	124.25			26 EA.

NOTES:
 * MOUNTED ON DOUBLE ENTRANCE GATE
 ** MOUNTED ON SINGLE ENTRANCE GATE
 *** REFER TO PARK STANDARD DRAWINGS S-15 AND S-16
 PT = PERFORATED STEEL TUBE
 TS = STEEL TUBE SQUARE

PIPE SUMMARY		
ITEM	STATION	LENGTH
603(11-12)	S6+16 123' L	15
603(22)	A 3+45	50

BARRIER ROCK SUMMARY ITEM 650(21)	
PLAN SHEET NO.	NO. OF BARRIER ROCKS ON SHEET
6	134
7	19
8	7

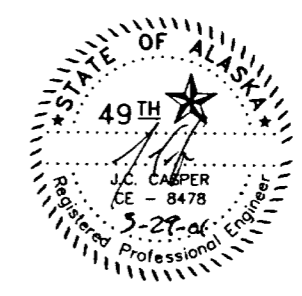
TRAIL SIGN, TYPE C SUMMARY ITEM 650(41C)	
PLAN SHEET NO.	NO. OF TRAIL SIGNS ON SHEET
5	2
7	2
8	3
9	1
15	2
27	3

SNOW POLE SUMMARY ITEM 615(4)			
NUMBER	STATION	OFFSET (FT)	SHEET NO.
1	G16+66L	19	11
2	G16+82L	39	11
3	G16+90L	69	11
4	G18+17L	69	11
5	G19+36L	46	9
6	G19+45L	25	9
7	G19+67L	16	9

203(11) AND 203(12A) SUMMARY	
ITEM NO.	ESTIMATED QUANTITY
203(11)	3000 C.Y.
203(12A)	13000 TONS

INTERPRETIVE SIGN, TYPE C ITEM 650(40C)	
PLAN SHEET NO.	NO. OF SIGNS ON SHEET
17	5

INTERPRETIVE SIGN, TYPE A ITEM 650(40A)	
PLAN SHEET NO.	NO. OF SIGNS ON SHEET
40	3



DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

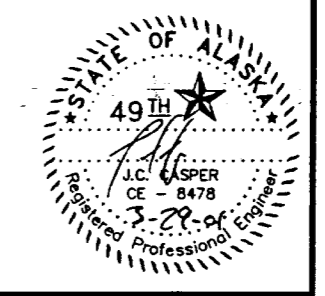
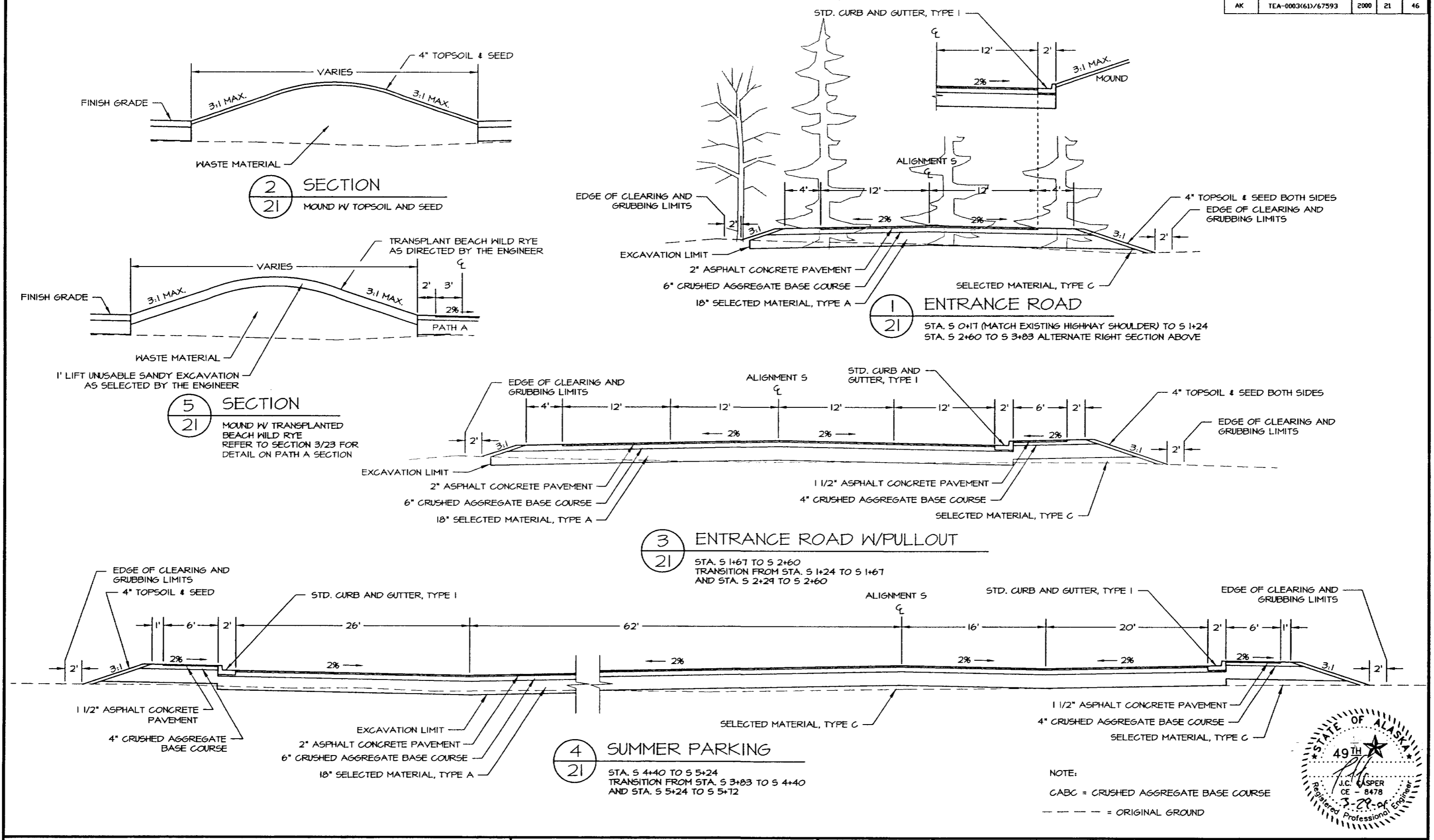
EAGLE BEACH SRA TRAILHEAD
 & WAYSIDE IMPROVEMENTS
 TEA-0003(61)/67593

SUMMARY TABLES

PREPARED BY: ME
 DRAWN BY: KM, ME
 REVIEWED BY: JC
 DATE: JUN 00

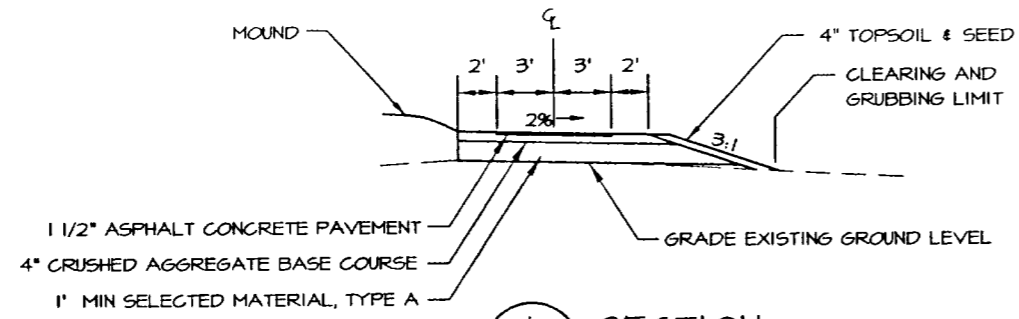
SHEET
 20
 OF 46 SHEETS

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
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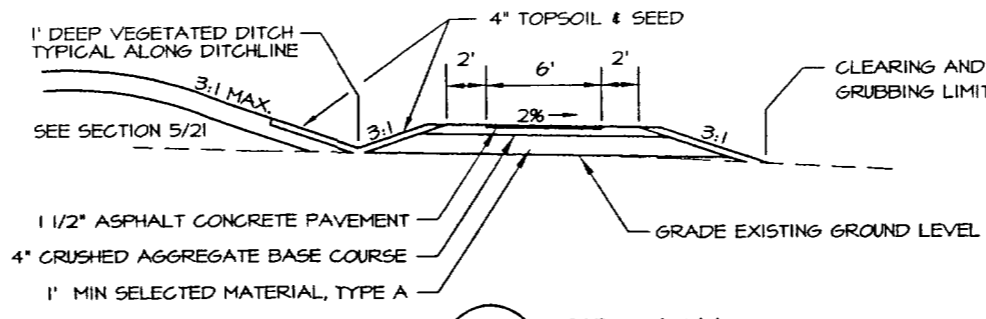


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	ROAD, PARKING & MOUND TYPICAL SECTIONS	PREPARED: PVE DRAWN: PVE REVIEWED: JC DATE: OCT 00	SHEET 21 OF 46 SHEETS
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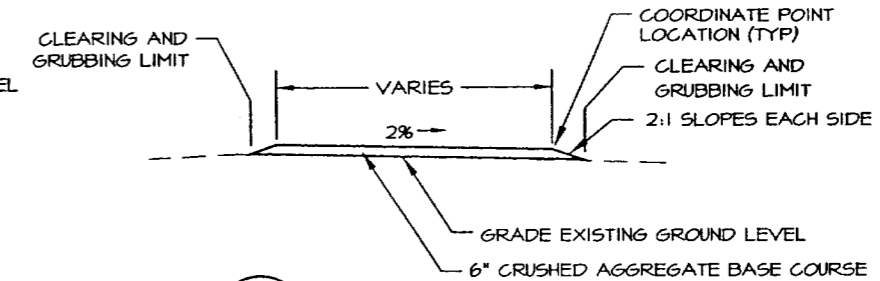
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	22	46



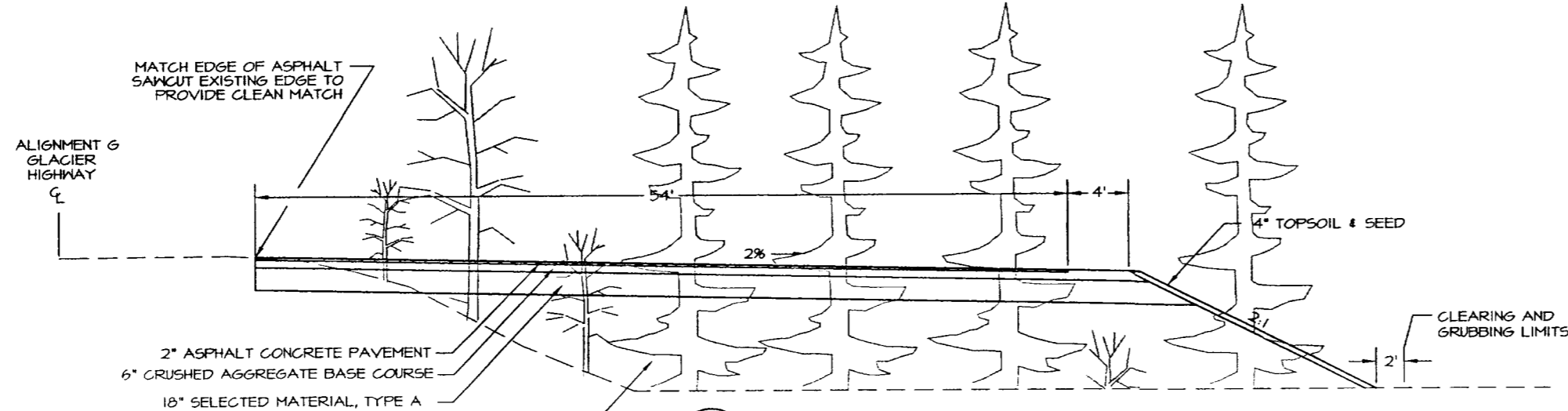
1 SECTION
22 PATH E



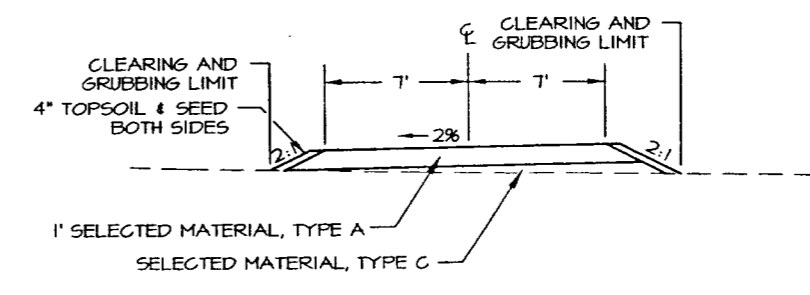
2 SECTION
22 PATH G



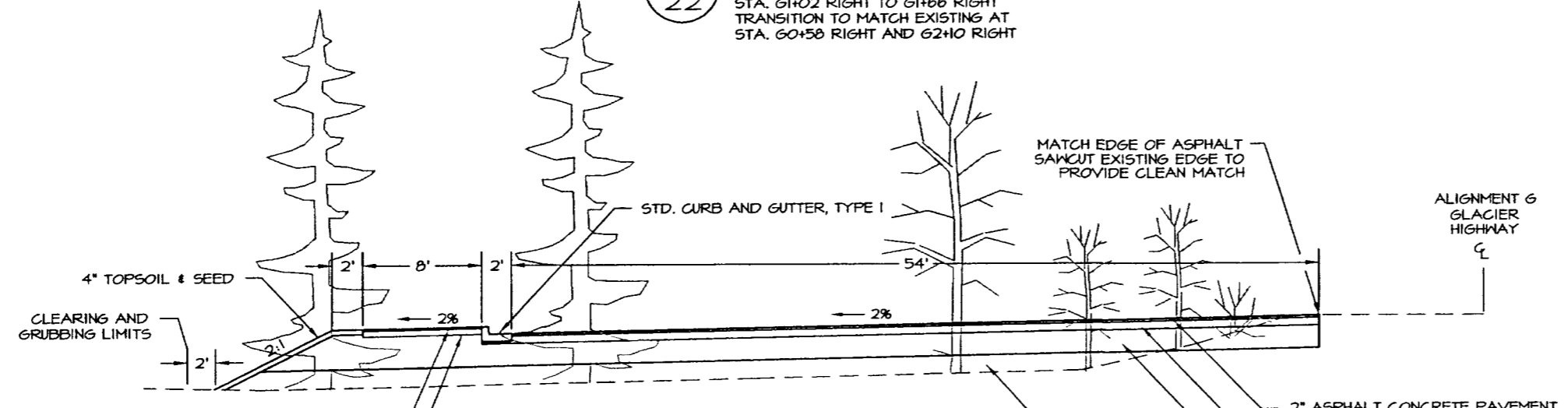
5 SECTION
22 HOST SITE & PICNIC SITES
PLACE 12x40x1 1/2 ASPHALT PAD
ABOVE CABC SURFACE AT HOST SITE



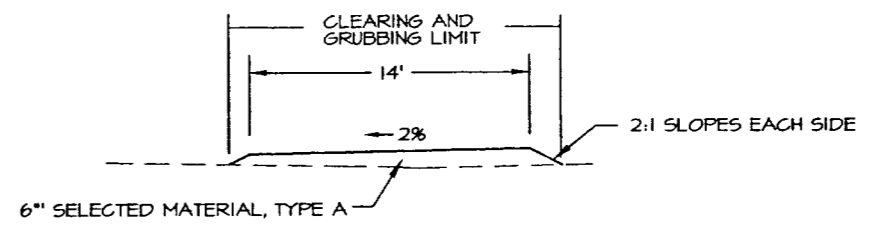
3 PARKING AREA A
22 STA. 61402 RIGHT TO 61466 RIGHT
TRANSITION TO MATCH EXISTING AT
STA. 60458 RIGHT AND 6240 RIGHT



6 TYPICAL SECTION
22 ACCESS ROAD
STA. 0+00 TO 4+86.41

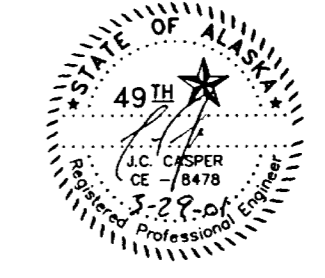


4 PARKING AREA B
22 STA. 616+88 LEFT TO 619+33 LEFT
TRANSITION TO MATCH EXISTING AT
STA. 616+54 LEFT AND 619+67 LEFT

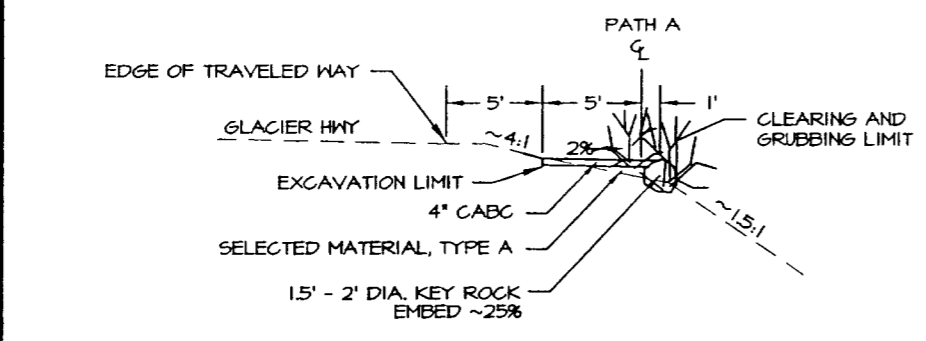


7 SECTION
22 CENTER THIS SECTION ON
THE EXISTING ROAD

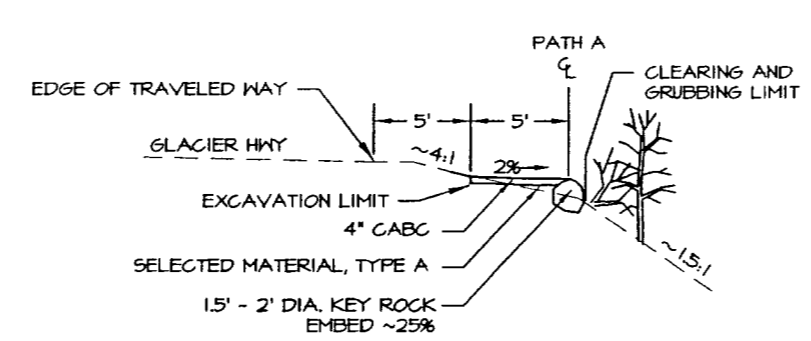
NOTE:
CABC = CRUSHED AGGREGATE BASE COURSE
--- = ORIGINAL GROUND



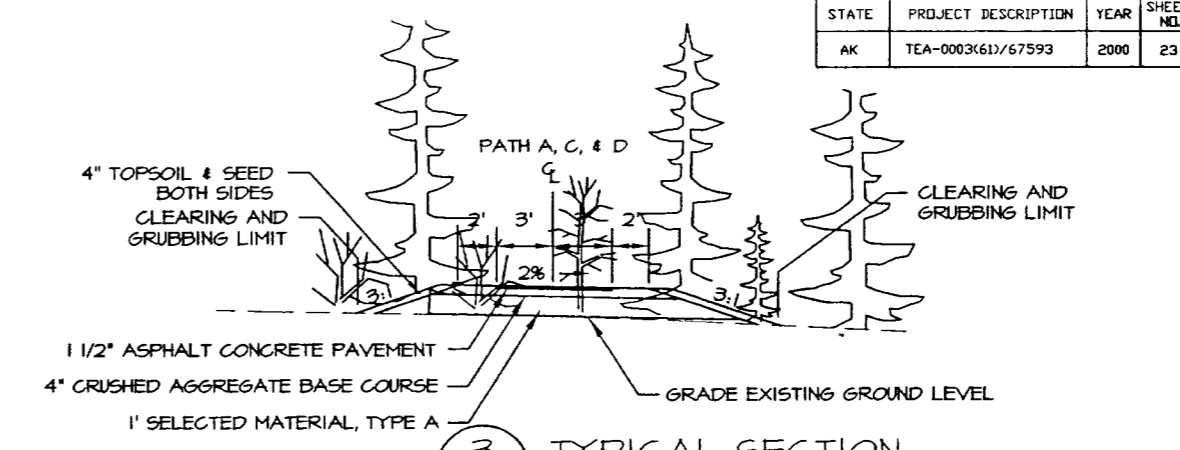
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	23	46



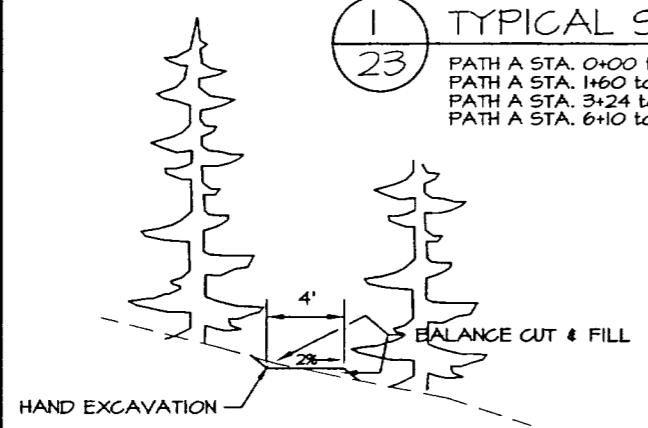
1
23
TYPICAL SECTION
PATH A STA. 0+00 to 1+38
PATH A STA. 1+60 to 2+81
PATH A STA. 3+24 to 5+92
PATH A STA. 6+10 to 7+63



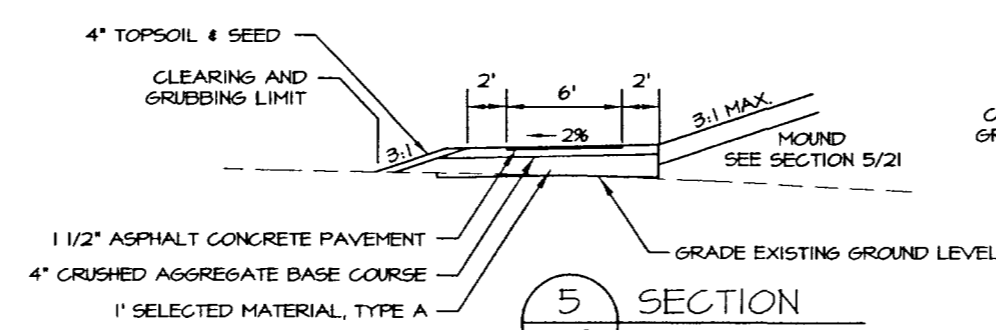
2
23
TYPICAL SECTION
PATH A STA. 1+38 to 1+60
PATH A STA. 2+81 to 3+24
PATH A STA. 5+92 to 6+10



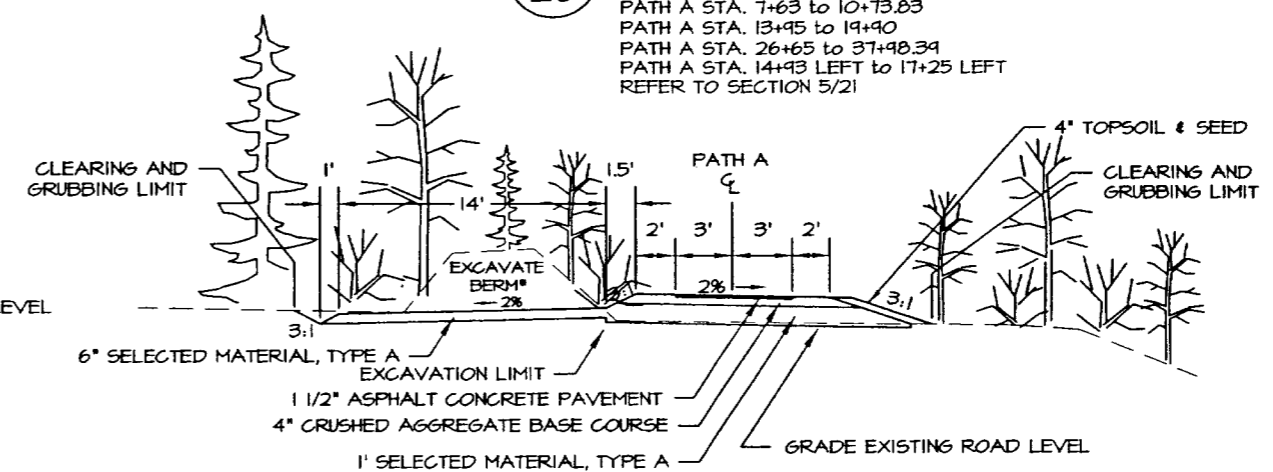
3
23
TYPICAL SECTION
PATH C & D
PATH A STA. 7+63 to 10+73.83
PATH A STA. 13+95 to 19+90
PATH A STA. 26+65 to 37+98.39
PATH A STA. 14+93 LEFT to 17+25 LEFT
REFER TO SECTION 5/21



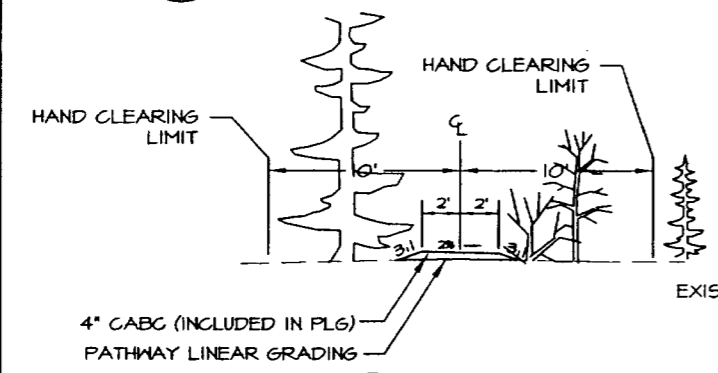
4
23
SECTION
HAND EXCAVATED PATH I



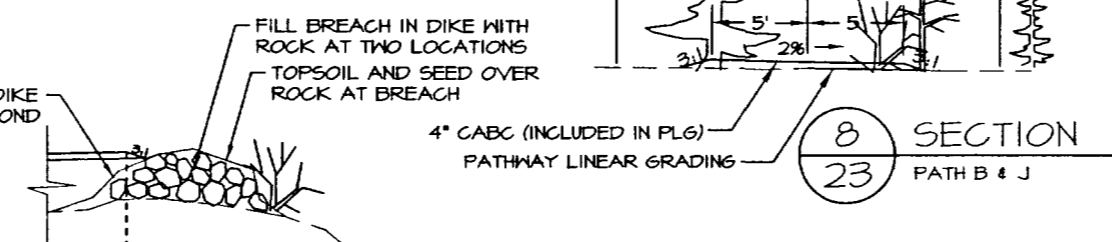
5
23
SECTION
PATH F



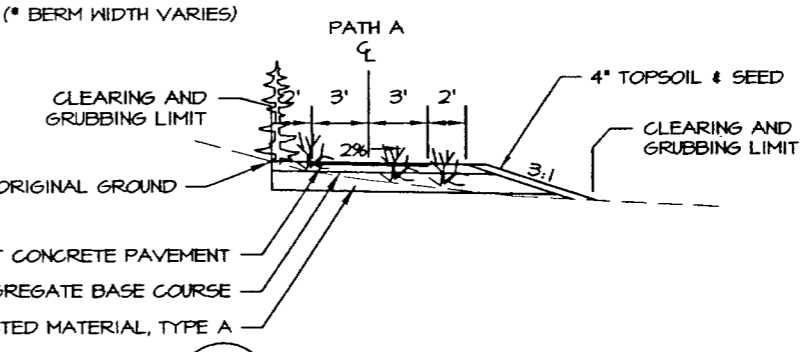
6
23
TYPICAL SECTION
PATH A WITH ADJACENT ACCESS ROAD
STA. 19+90 to 26+65
(* BERM WIDTH VARIES)



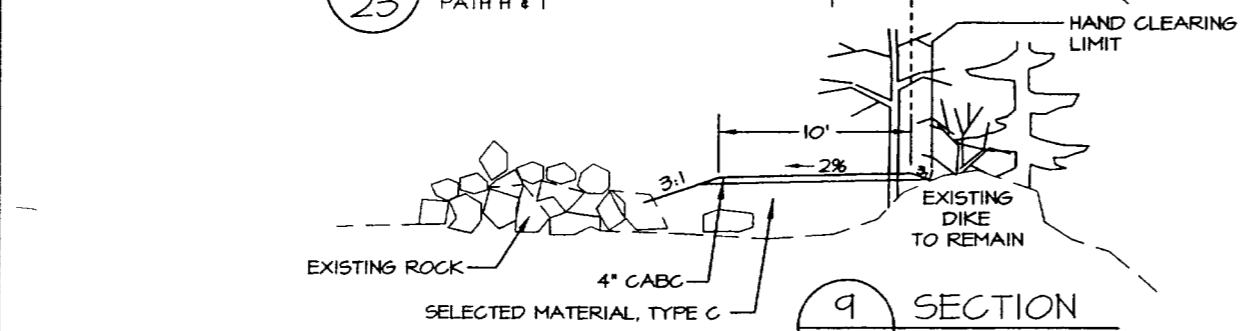
7
23
SECTION
PATH H & I



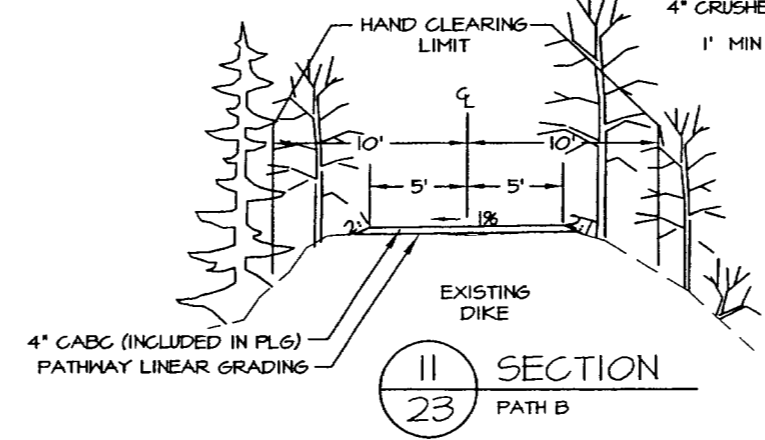
8
23
SECTION
PATH B & J



10
23
TYPICAL SECTION
PATH A STA. 11+33.83 to 13+95

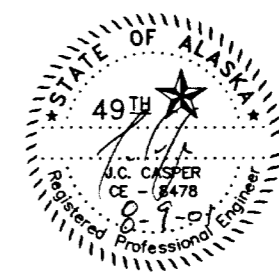


9
23
SECTION
PATH B

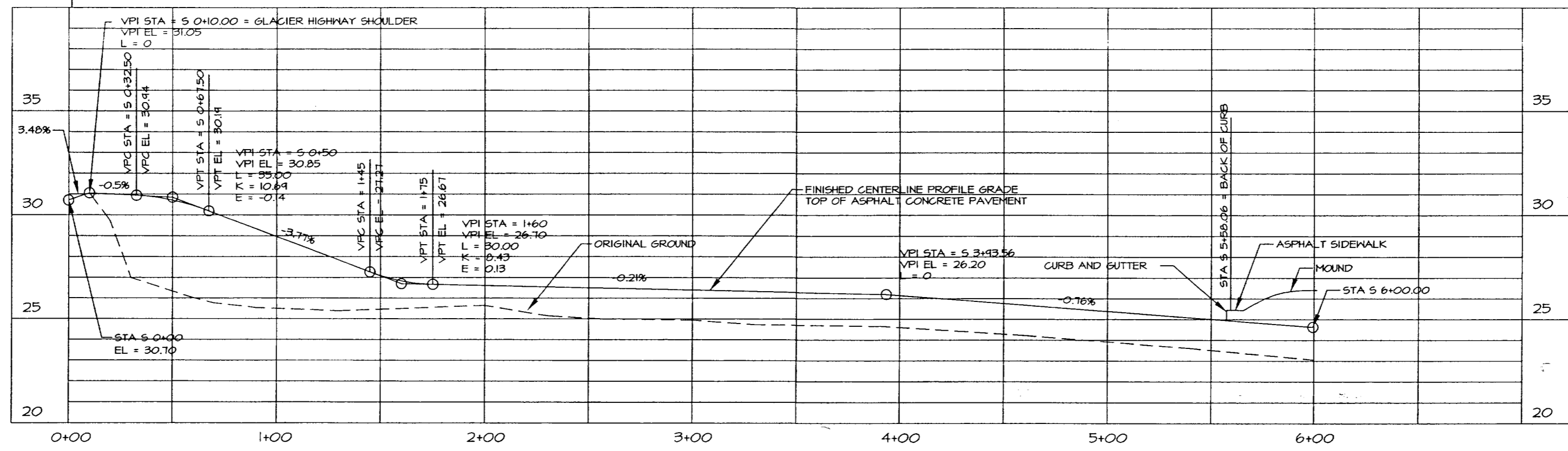
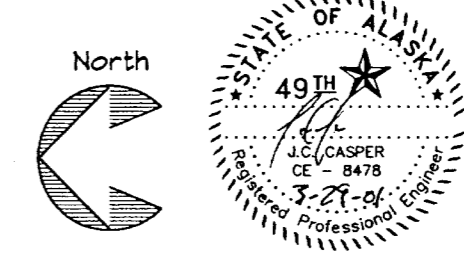
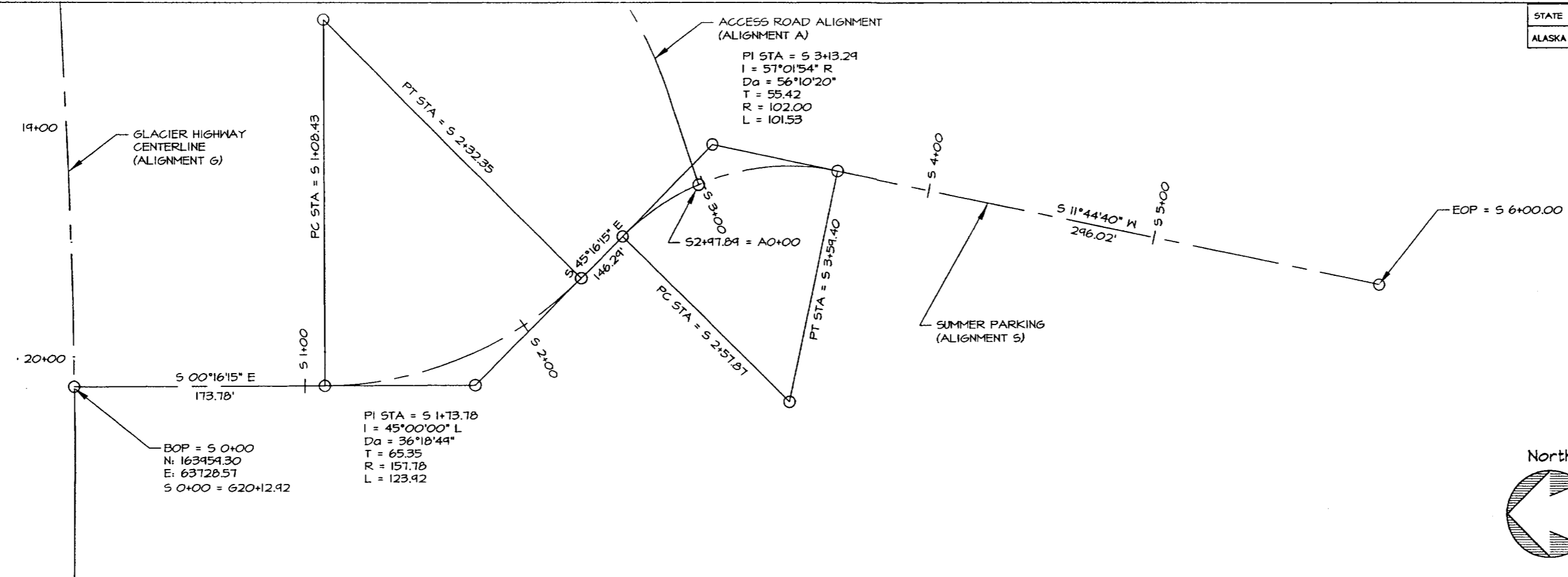


11
23
SECTION
PATH B

NOTE:
PL6 = PATHWAY LINEAR GRADING
CABC = CRUSHED AGGREGATE BASE COURSE
--- = ORIGINAL GROUND

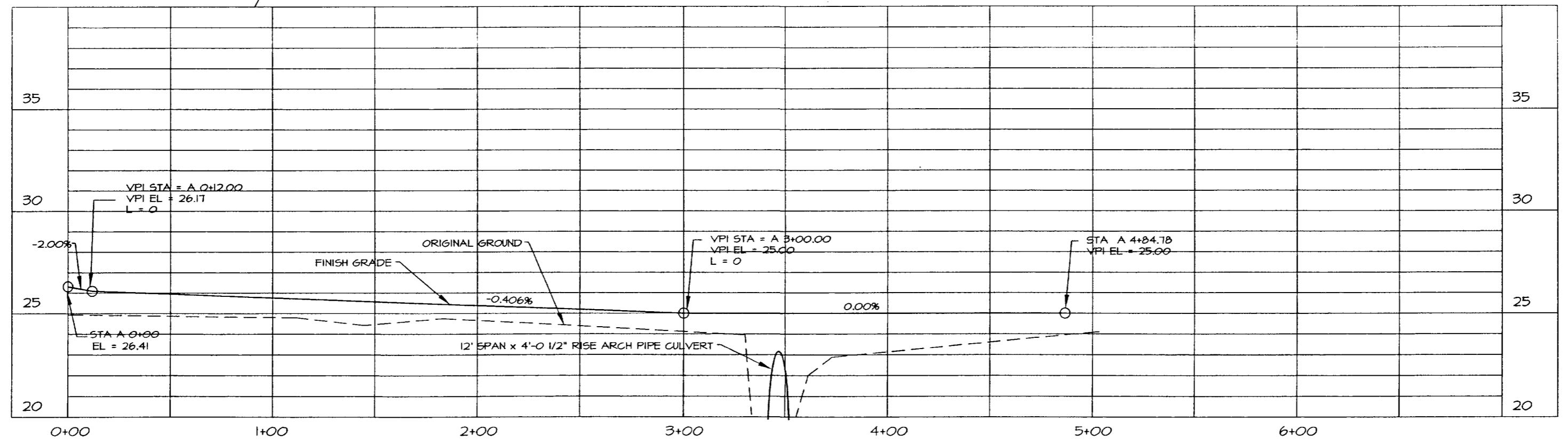
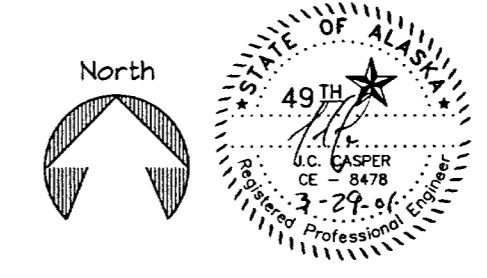
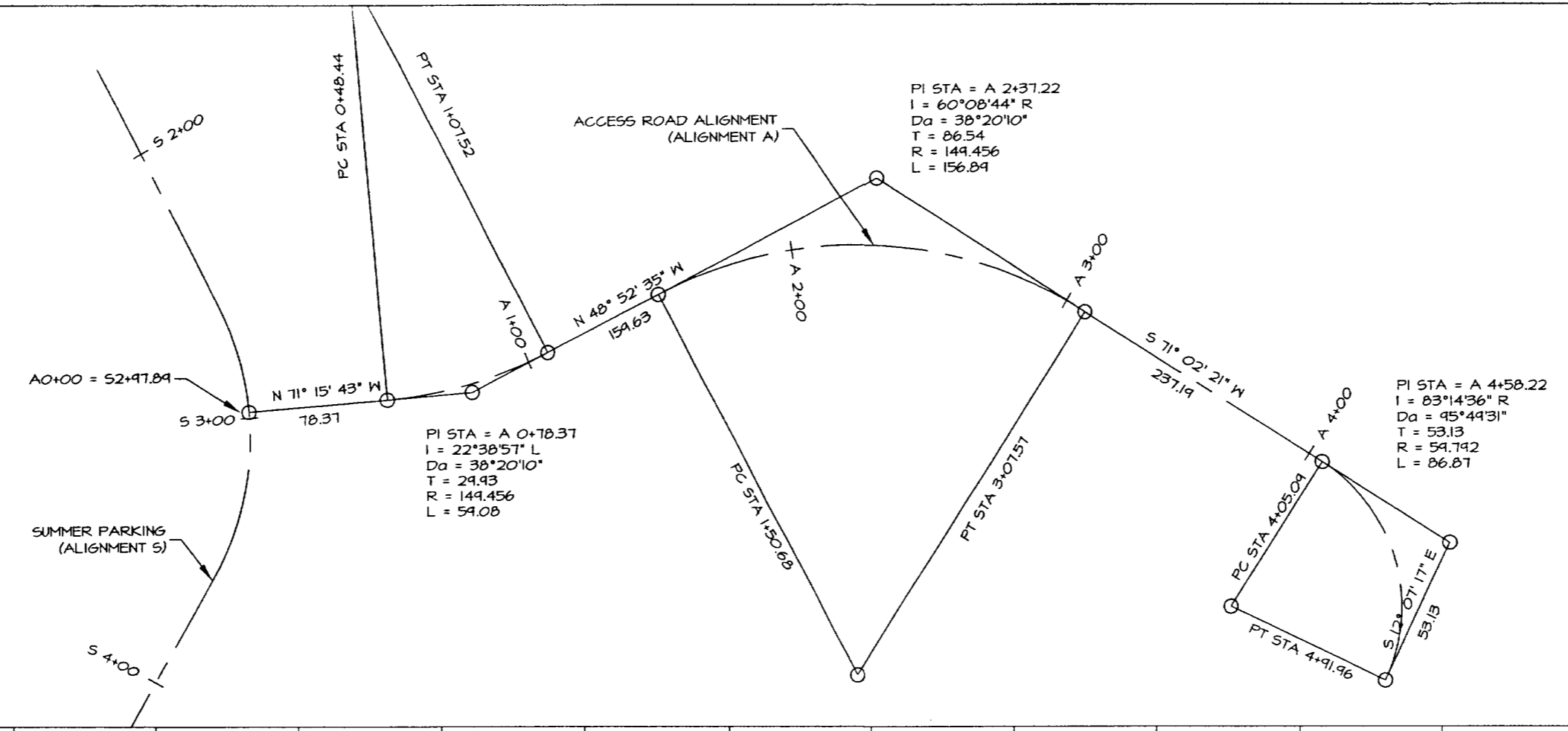


STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	24	46

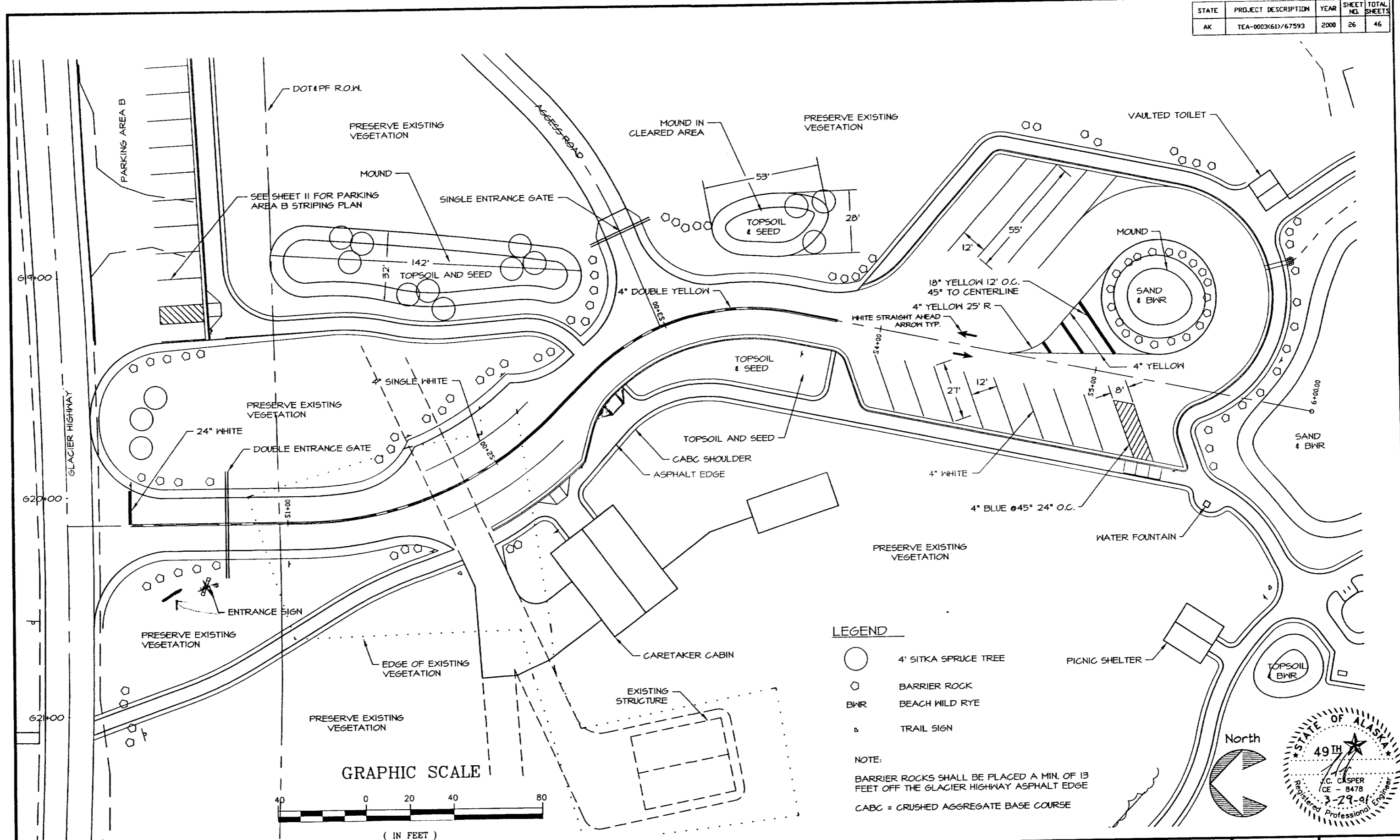


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	SUMMER PARKING PROFILE (ALIGNMENT S)	PREPARED: IVE	SHEET
			DRAWN: IVE	24
			REVIEWED: JC	OF 46 SHEETS
			DATE: NOV 00	

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	25	46



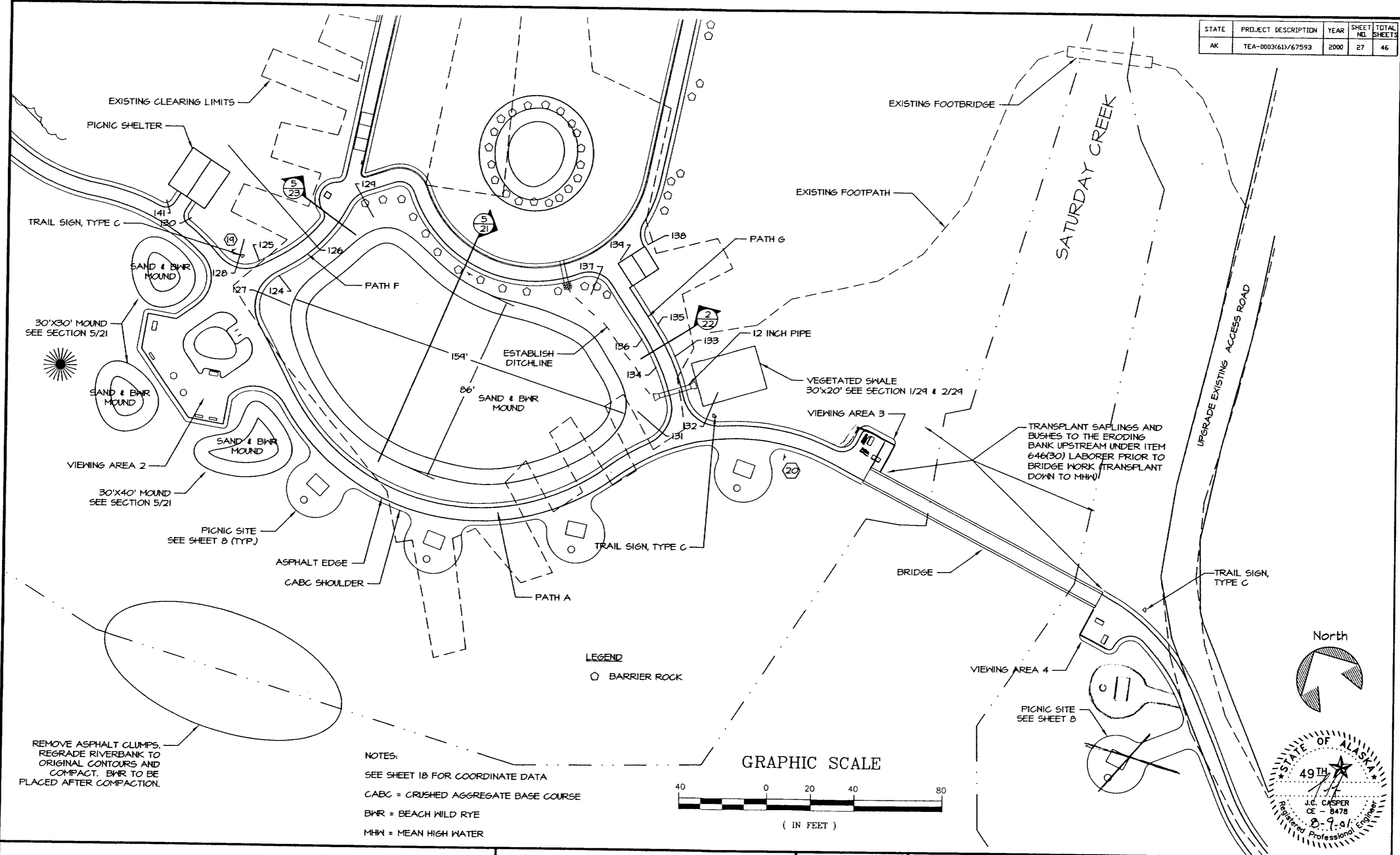
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	26	46



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	LANDSCAPE AND STRIPING PLAN	PREPARED: KM DRAWN: VE REVIEWED: JC DATE: OCT 00	SHEET 26 OF 46 SHEETS
---	---	------------------------------------	---	--



STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	27	46



DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION
STATE OF ALASKA

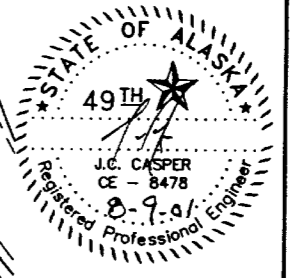
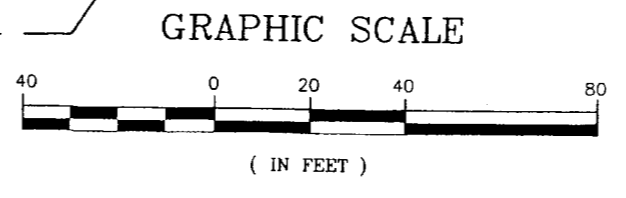
EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

BEACHFRONT
LAYOUT & LANDSCAPE PLAN

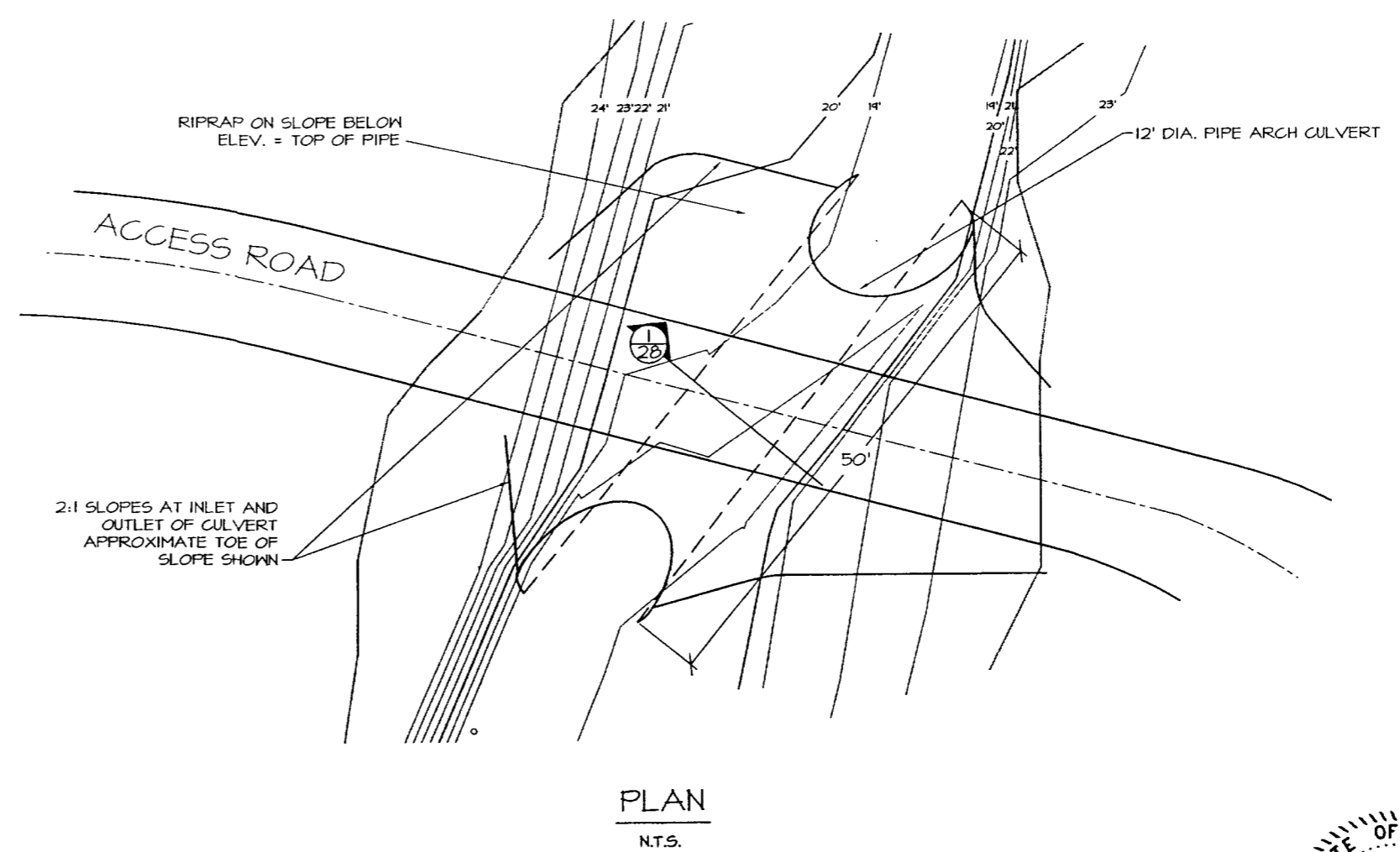
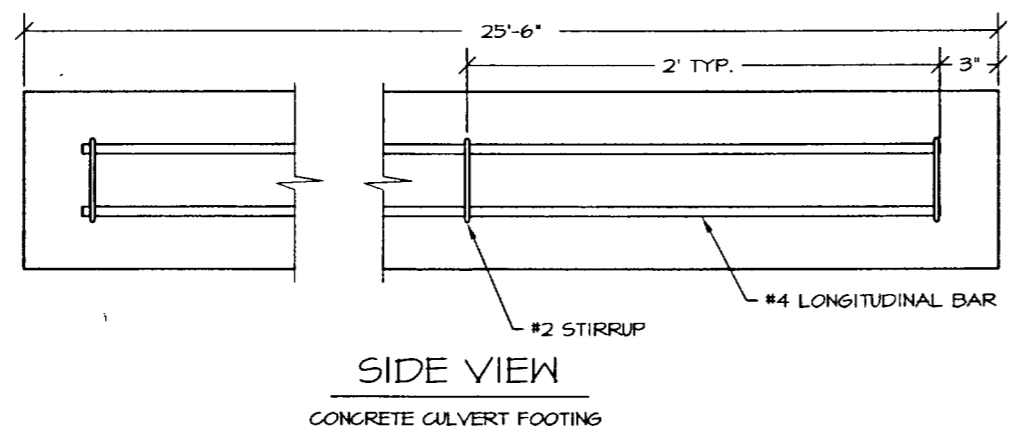
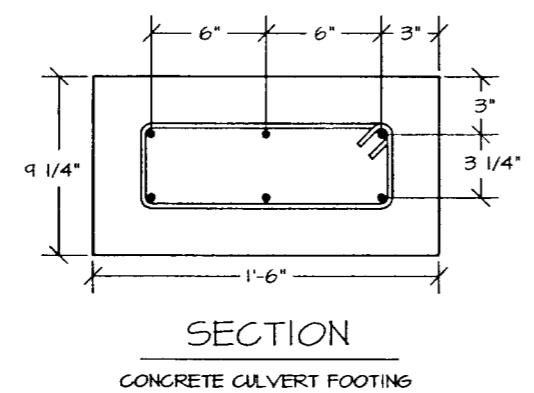
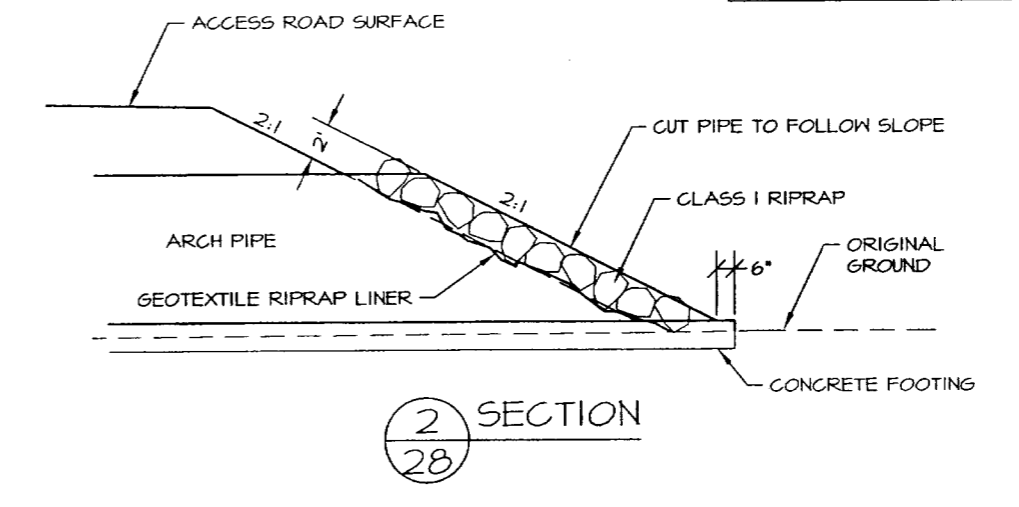
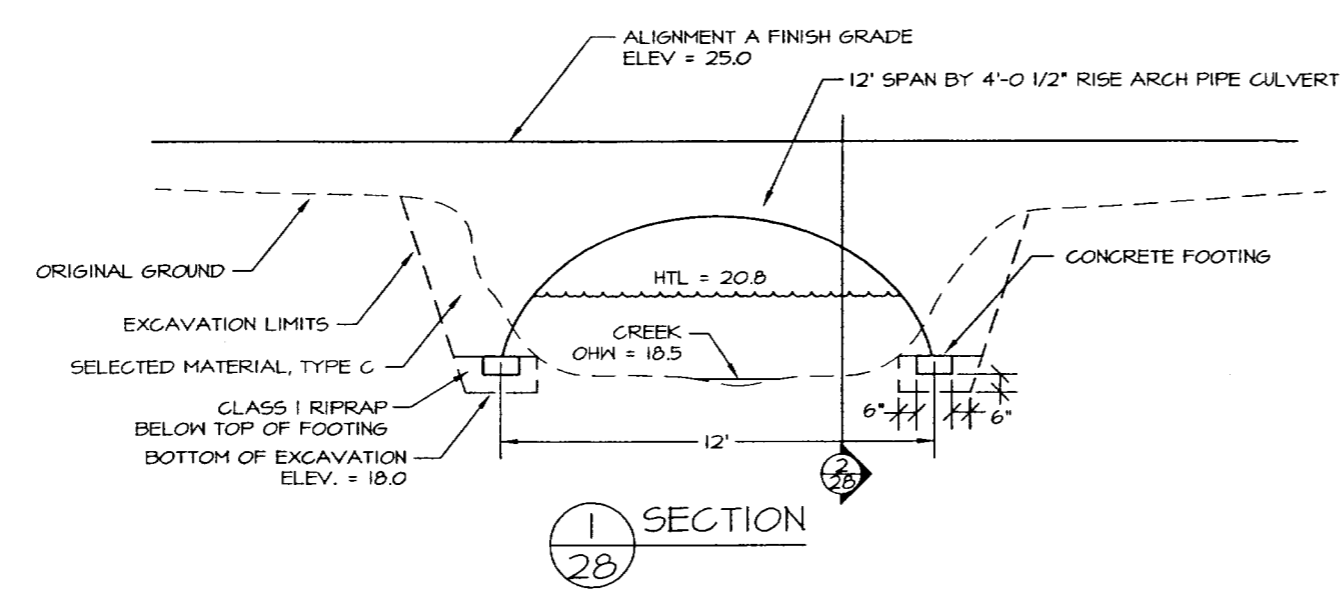
PREPARED: WE	SHEET
DRAWN: WE	27
REVIEWED: JC	OF 46 SHEETS
DATE: OCT 00	

REMOVE ASPHALT CLUMPS.
REGRADE RIVERBANK TO
ORIGINAL CONTOURS AND
COMPACT. BWR TO BE
PLACED AFTER COMPACTION.

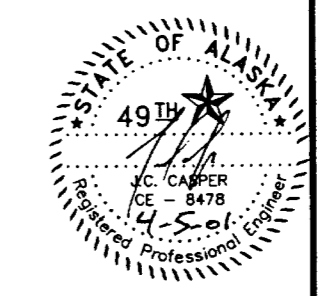
NOTES:
SEE SHEET 10 FOR COORDINATE DATA
CABC = CRUSHED AGGREGATE BASE COURSE
BWR = BEACH WILD RYE
MHW = MEAN HIGH WATER



STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	28	46



NOTES:
 OHW = ORDINARY HIGH WATER
 HTL = HIGH TIDE LINE
 2 EA. CONCRETE FOOTINGS SHALL BE USED ON EACH SIDE OF THE CULVERT
 GALVANIZED ARCH CHANNELS SHALL BE ATTACHED TO FOOTING WITH 1/2"x3-1/2" GALVANIZED EXPANSION ANCHORS



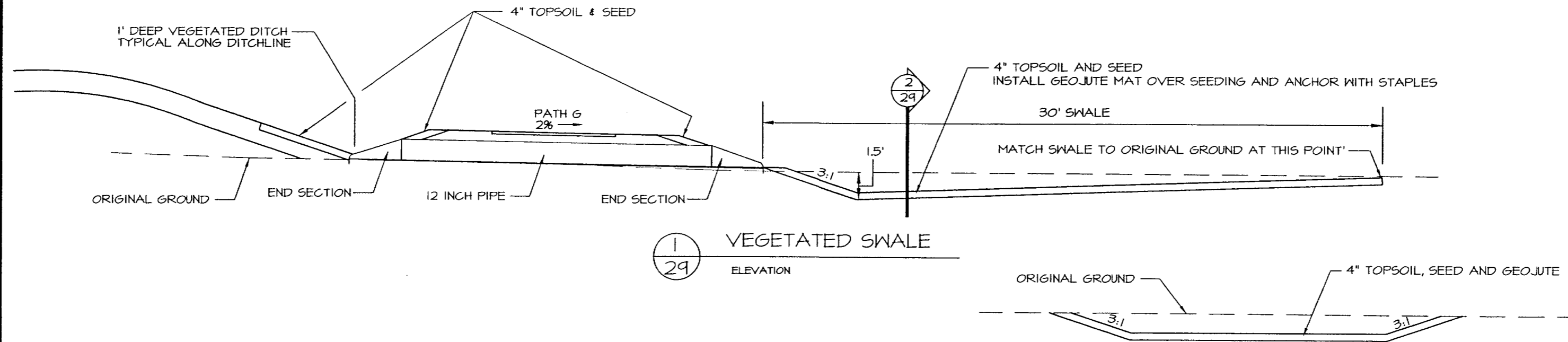
DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

EAGLE BEACH SRA TRAILHEAD
 & WAYSIDE IMPROVEMENTS
 TEA-0003(61)/67593

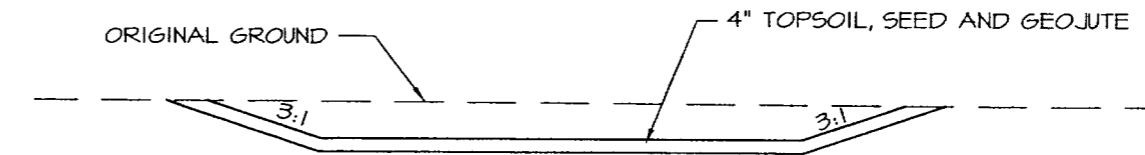
CULVERT DETAIL

PREPARED: ME
 DRAWN: JS ME
 REVIEWED: JC
 DATE: AUG 00

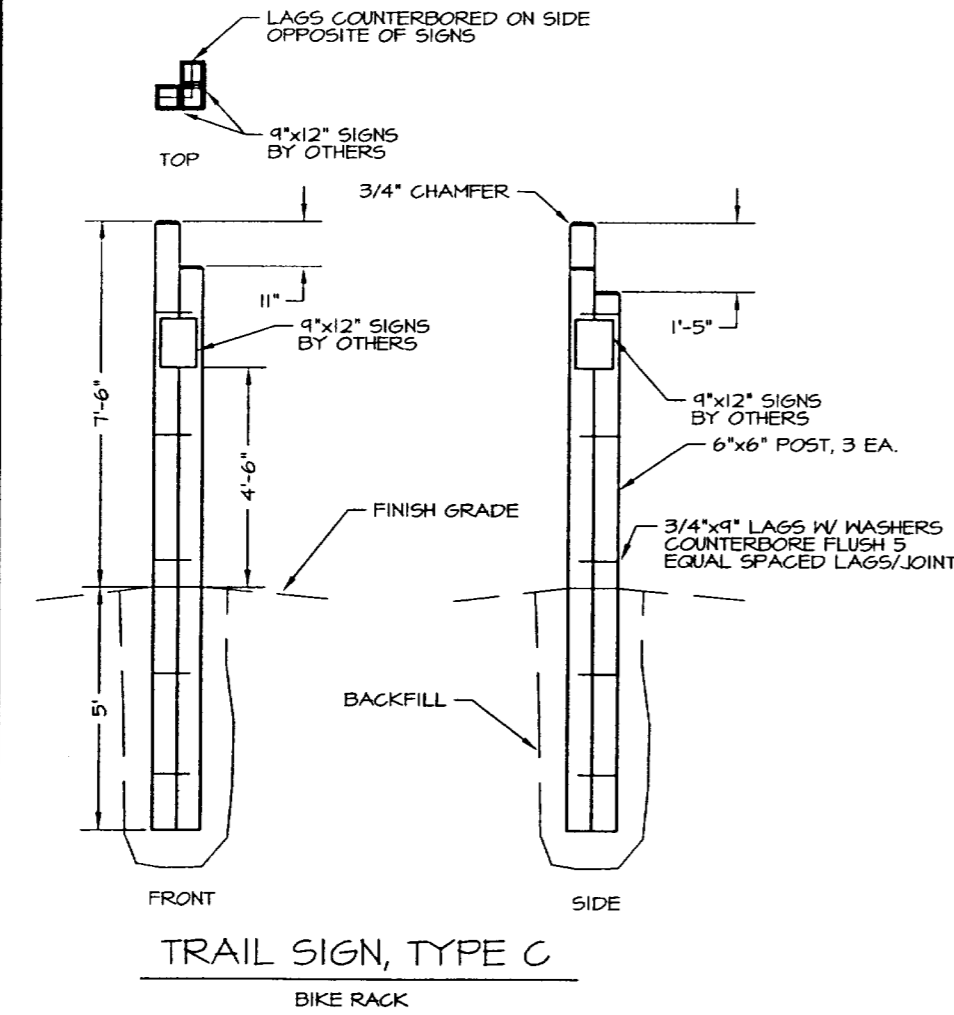
SHEET
 28
 OF 46 SHEETS



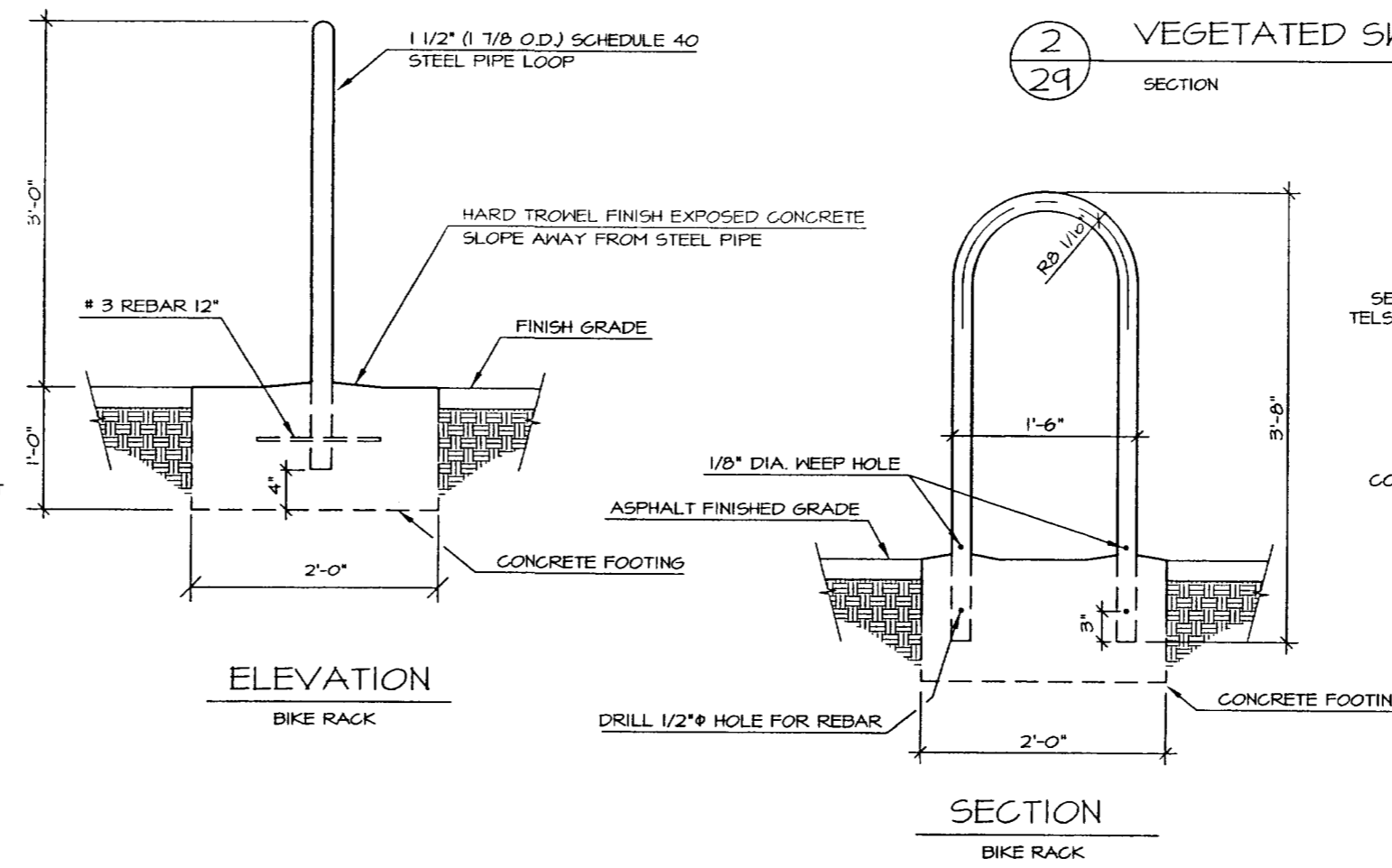
1
29
ELEVATION
VEGETATED SWALE



2
29
SECTION
VEGETATED SWALE

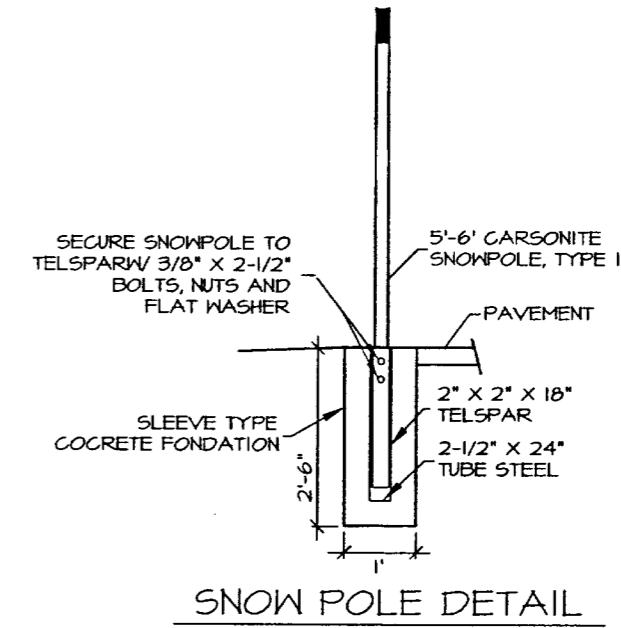


FRONT
SIDE
TRAIL SIGN, TYPE C
BIKE RACK

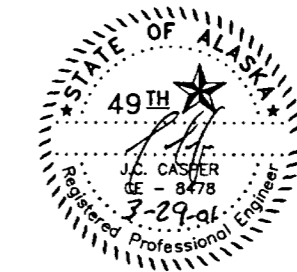


ELEVATION
BIKE RACK

SECTION
BIKE RACK



SNOW POLE DETAIL

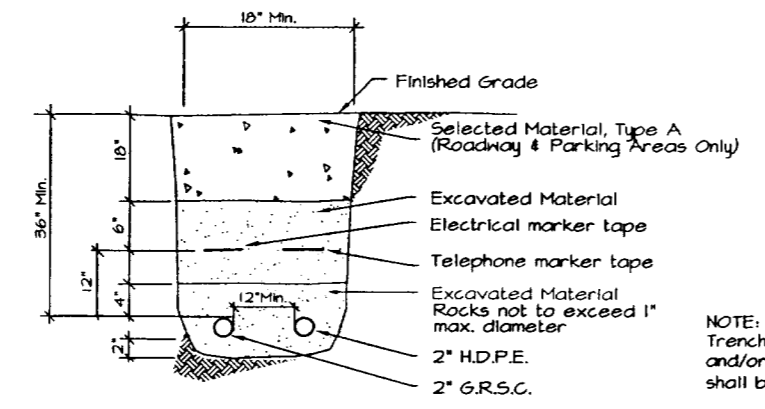
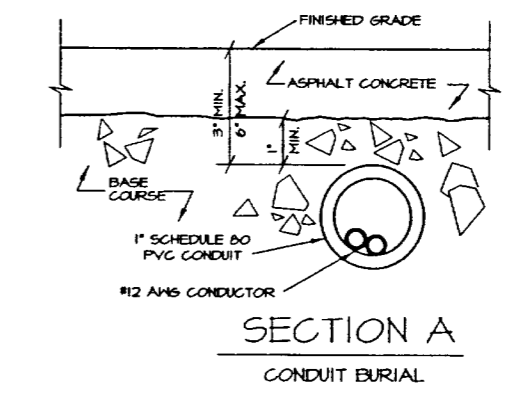
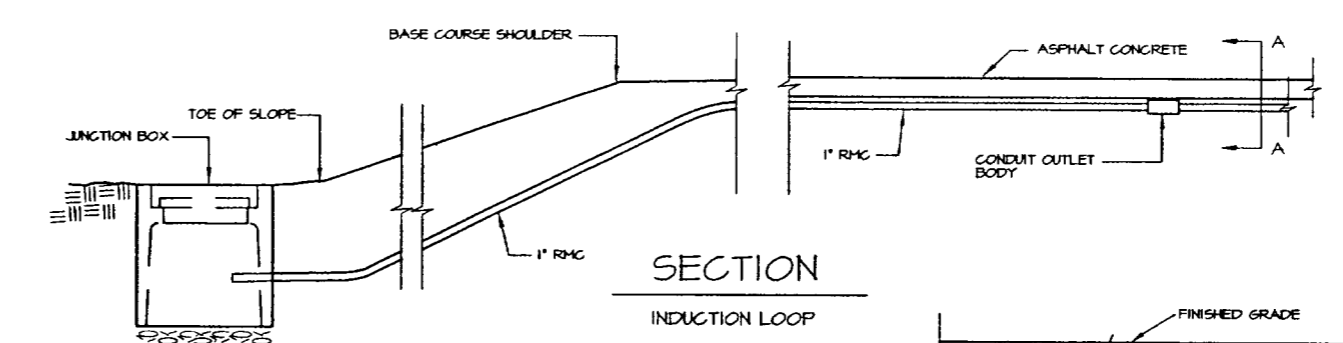
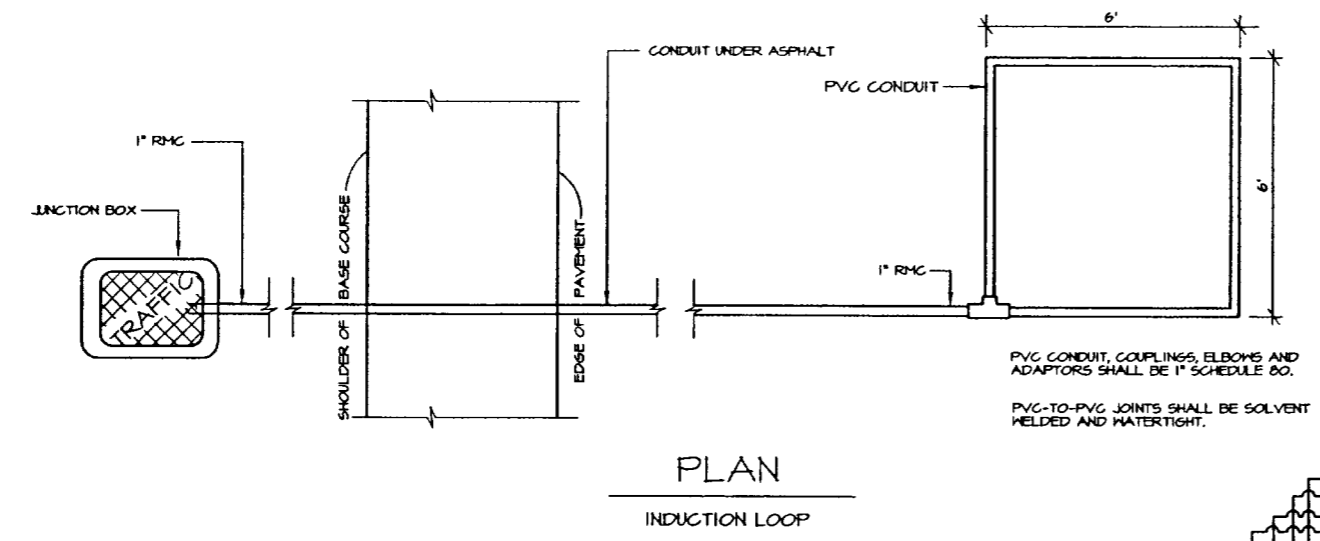


DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

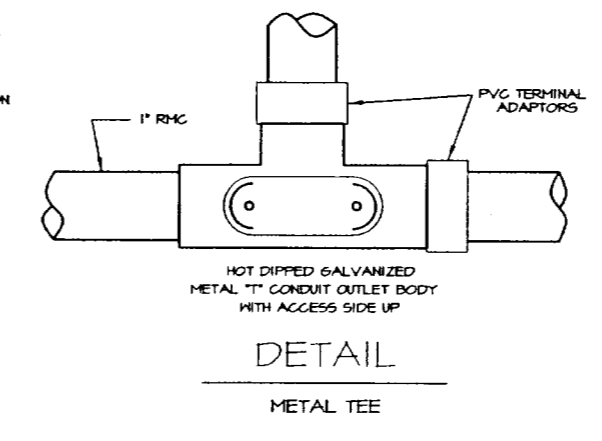
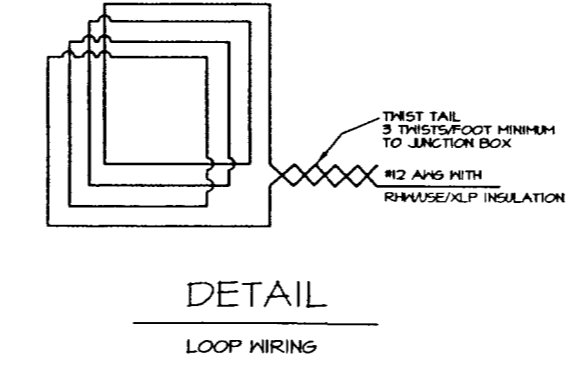
EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

MISCELLANEOUS DETAILS

PREPARED: PVE
DRAWN: PVE
REVIEWED: JC
DATE: OCT 00
SHEET
29
OF 46 SHEETS

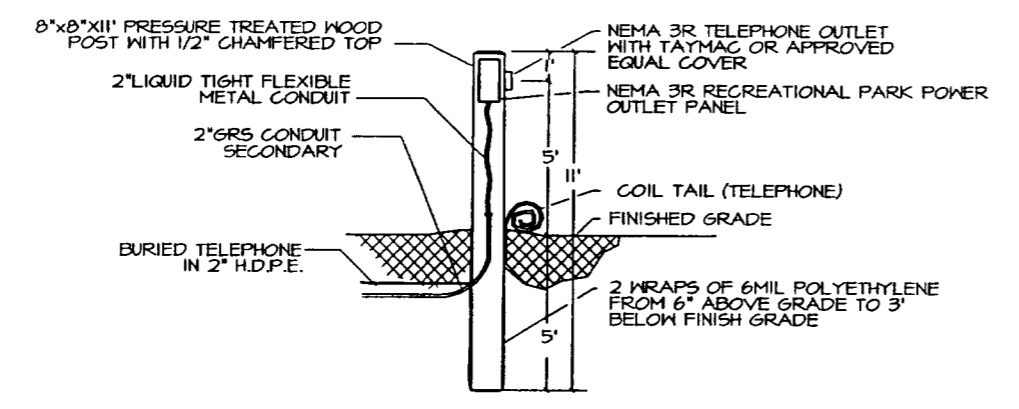


NOTE:
Trench may contain both electrical and/or telephone. Trench depth shall be adjusted to minimum required.

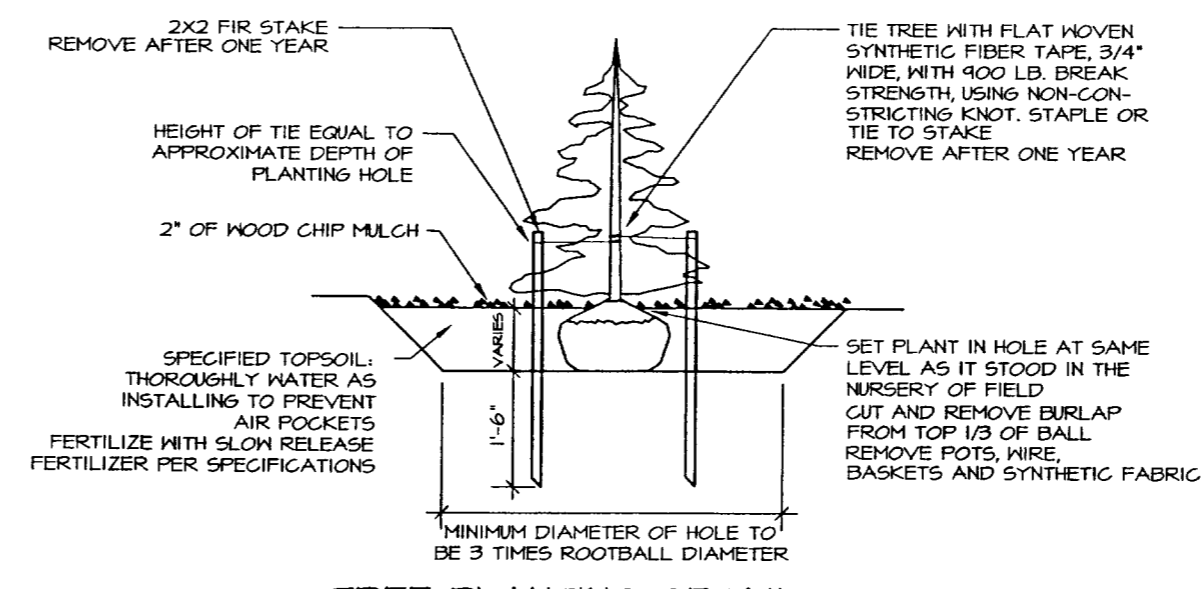


- NOTES
1. COMPLETE LOOP INSTALLATIONS PRIOR TO PAVING.
 2. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, EACH LOOP SHALL BE CHECKED FOR CONTINUITY AND CONDUCTOR INSULATION INTEGRITY IN ACCORDANCE WITH SECTION 660-214 OF THE SPECIFICATIONS.
 3. SPlicing OF THE LOOP TAIL WIRES TO THE LEAD-IN CABLE SHALL CONFORM TO SECTION 660-209(A) OF THE SPECIFICATIONS.
 4. LABEL ALL LOOP TAILS AND LEAD-IN CABLE IN ACCORDANCE WITH SECTION 660-208 AND TABLE 660(4) OF THE SPECIFICATIONS.
 5. INSTALLATION OF THE JUNCTION BOXES SHALL CONFORM TO THE REQUIREMENTS OF STANDARD DRAWING L-23.01.

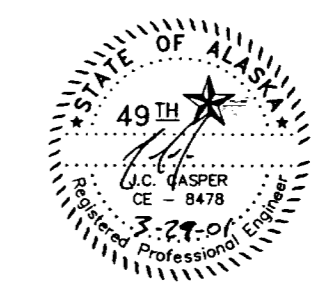
ELECTRICAL/TELEPHONE TRENCH DETAIL



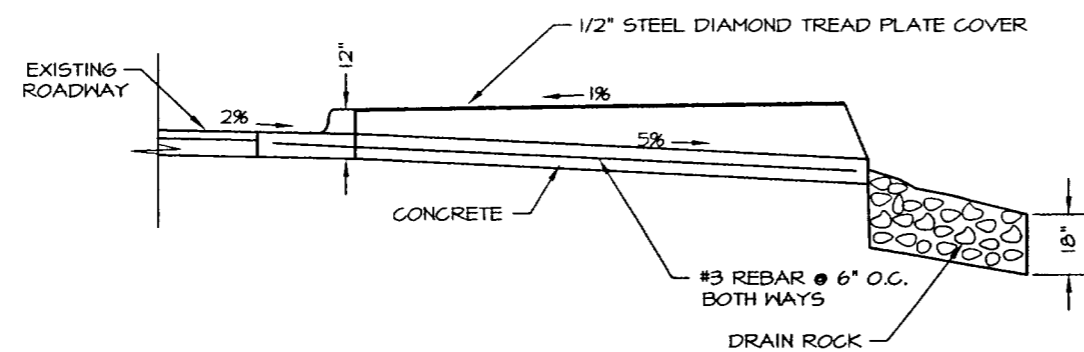
HOST SITE ELECTRICAL/TELEPHONE PEDESTAL



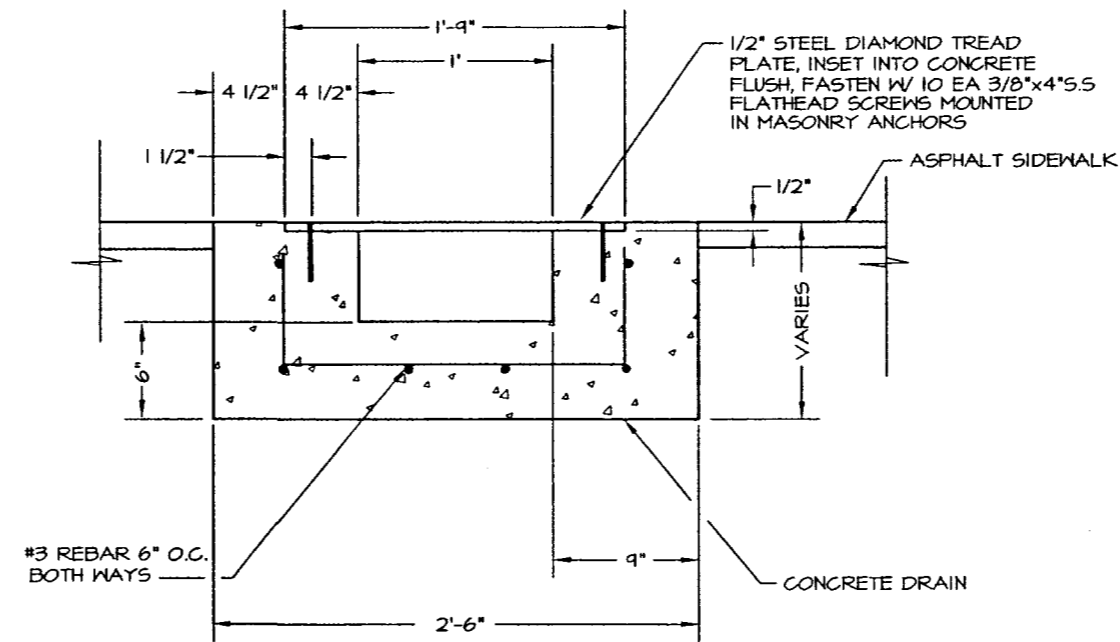
TREE PLANTING DETAIL



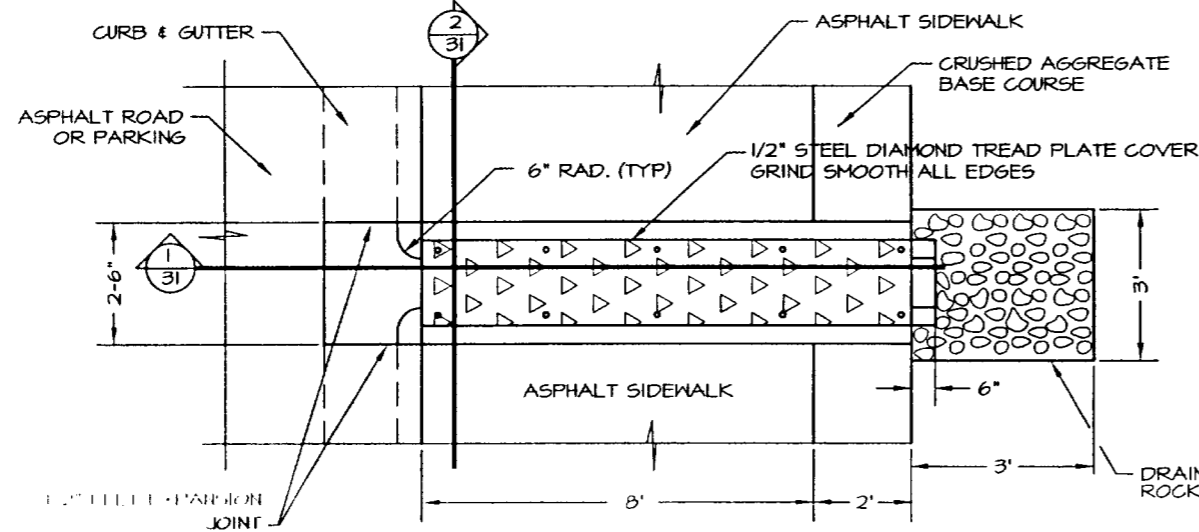
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	31	46



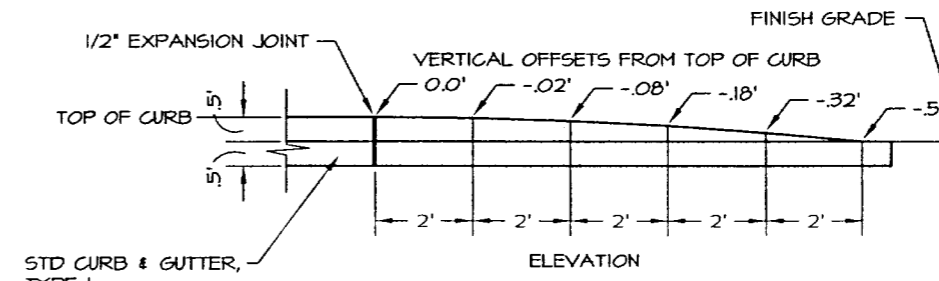
1
31
CURB DRAIN SECTION



1
31
CURB DRAIN SECTION



CURB DRAIN PLAN



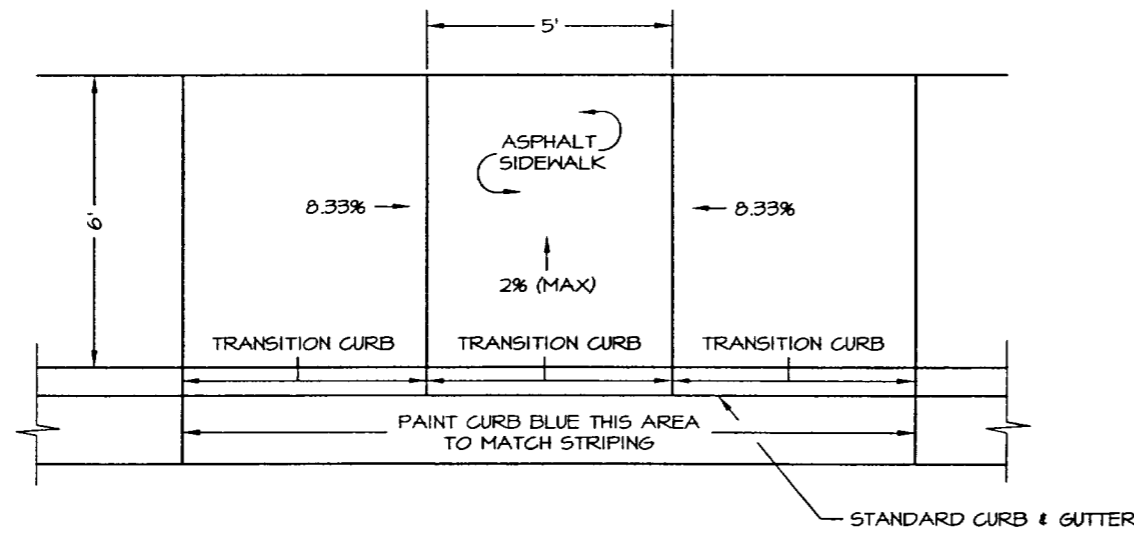
STD CURB & GUTTER, TYPE 1

BACK OF CURB

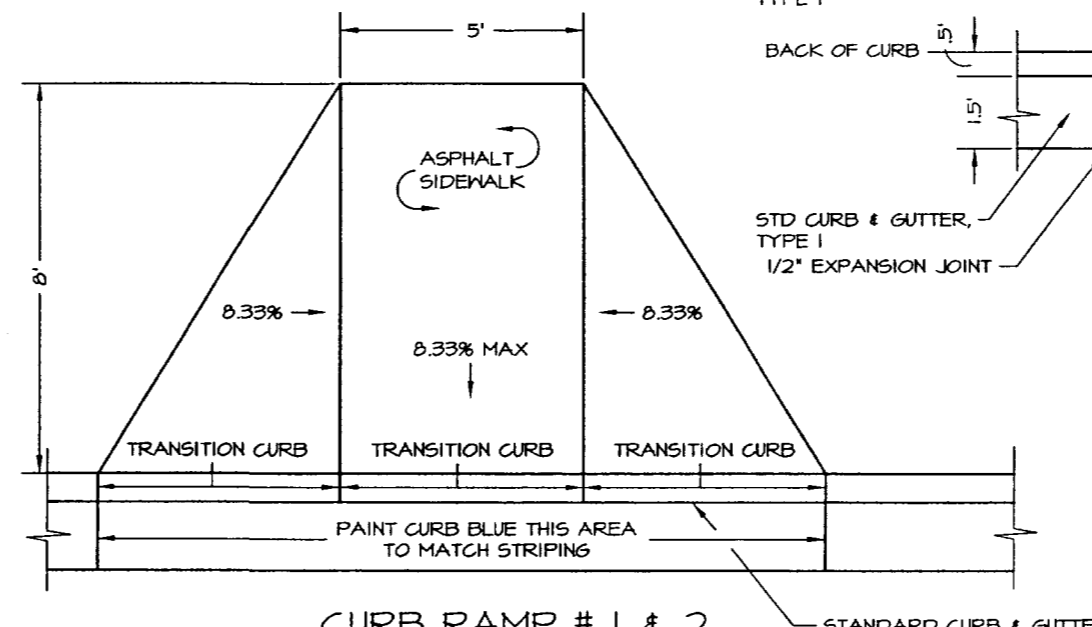
STD CURB & GUTTER, TYPE 1

1/2" EXPANSION JOINT

PLAN
CURB RETURN



CURB RAMP # 3



CURB RAMP # 1 & 2



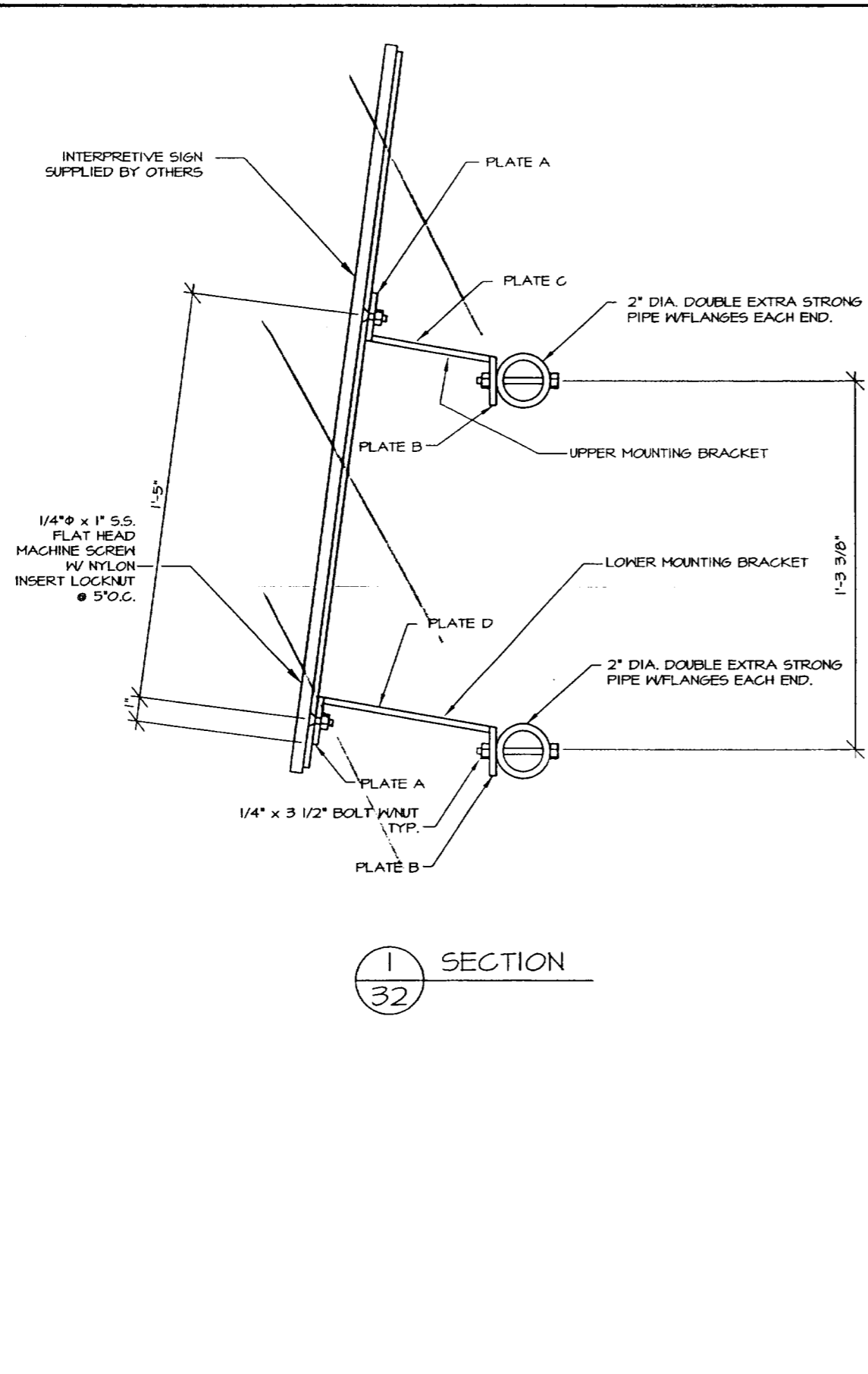
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

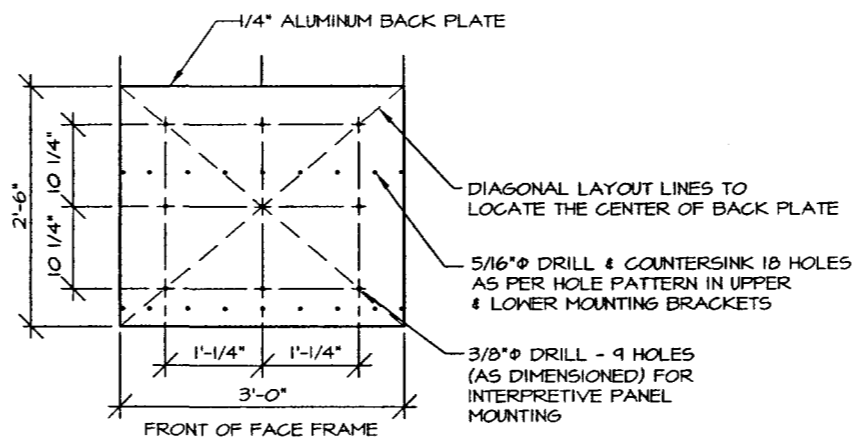
CURB RAMP, CURB DRAIN AND
CURB RETURN DETAILS

PREPARED BY: ME
DRAWN BY: ME
REVIEWED BY: JC
DATE: OCT 00
SHEET 31 OF 46 SHEETS

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	32	46

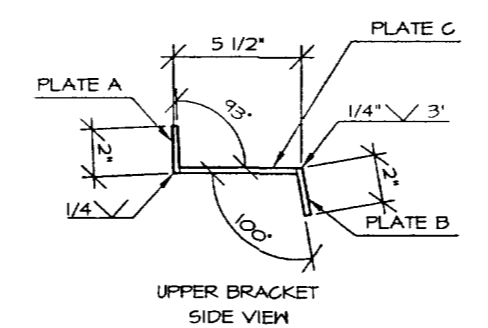


SECTION
32

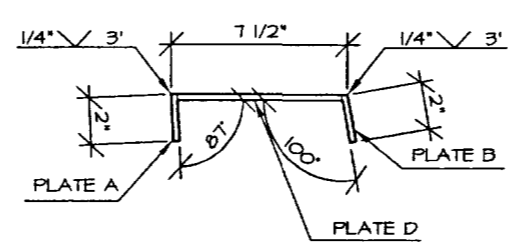


ALUMINUM BACK PLATE

- NOTES:
- INTERPRETIVE PANEL SUPPLIED BY OTHERS MEASURES 3'-0 1/2" X 2'-6 1/2".
 - PROVIDE 9ea. PER SIGN 1/4" - 20 X 5/8" BUTTON HEAD "PIN-IN-HEAD" TORX TAMPER RESISTANT STAINLESS STEEL SCREWS WITH FINISHING WASHERS SHALL BE USED TO ATTACH THE INTERPRETIVE PANEL TO THE ALUMINUM BACK PLATE.



UPPER BRACKET SIDE VIEW



LOWER BRACKET SIDE VIEW

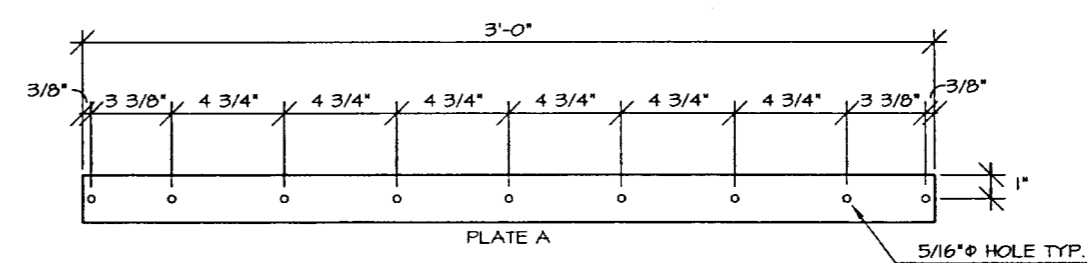


PLATE A

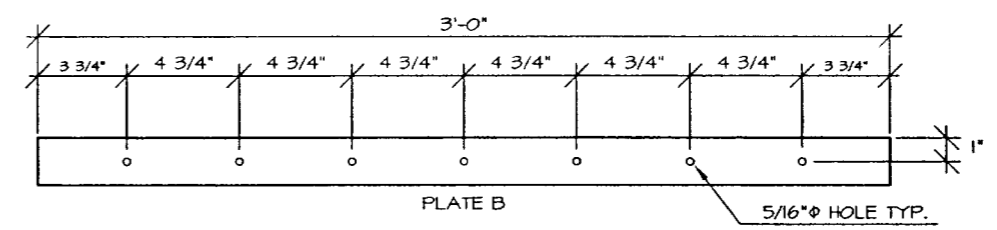


PLATE B

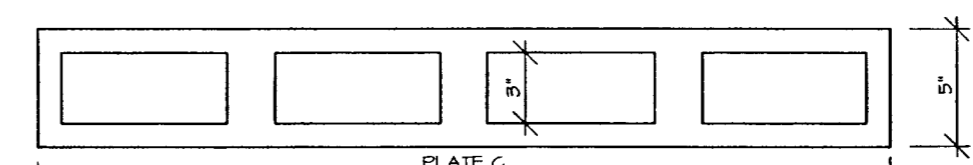


PLATE C

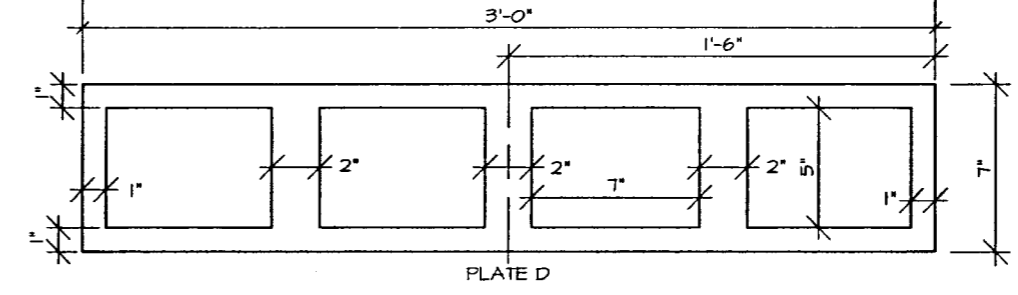


PLATE D

MOUNTING BRACKETS

1/4" PLATE
CUT OUT DIMENSIONS ARE TYPICAL AND APPLY TO BOTH PLATES C & D



DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

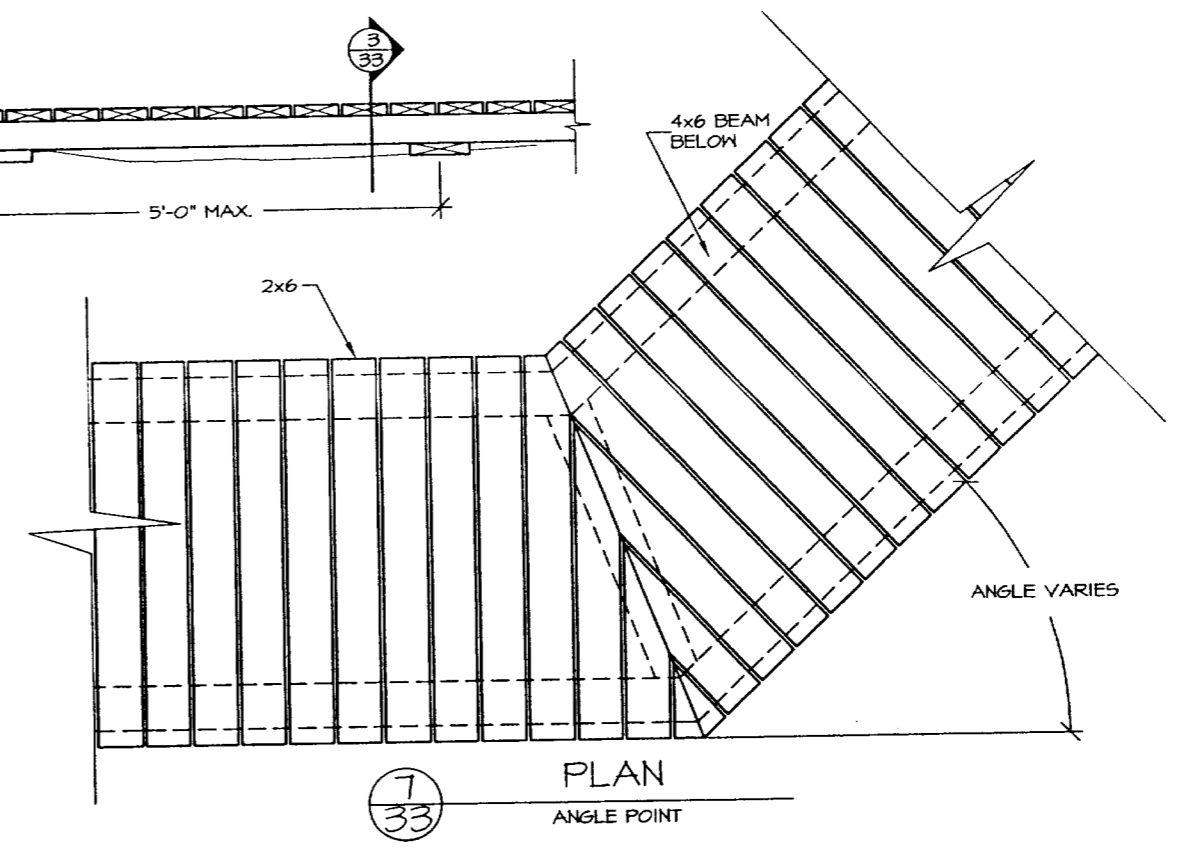
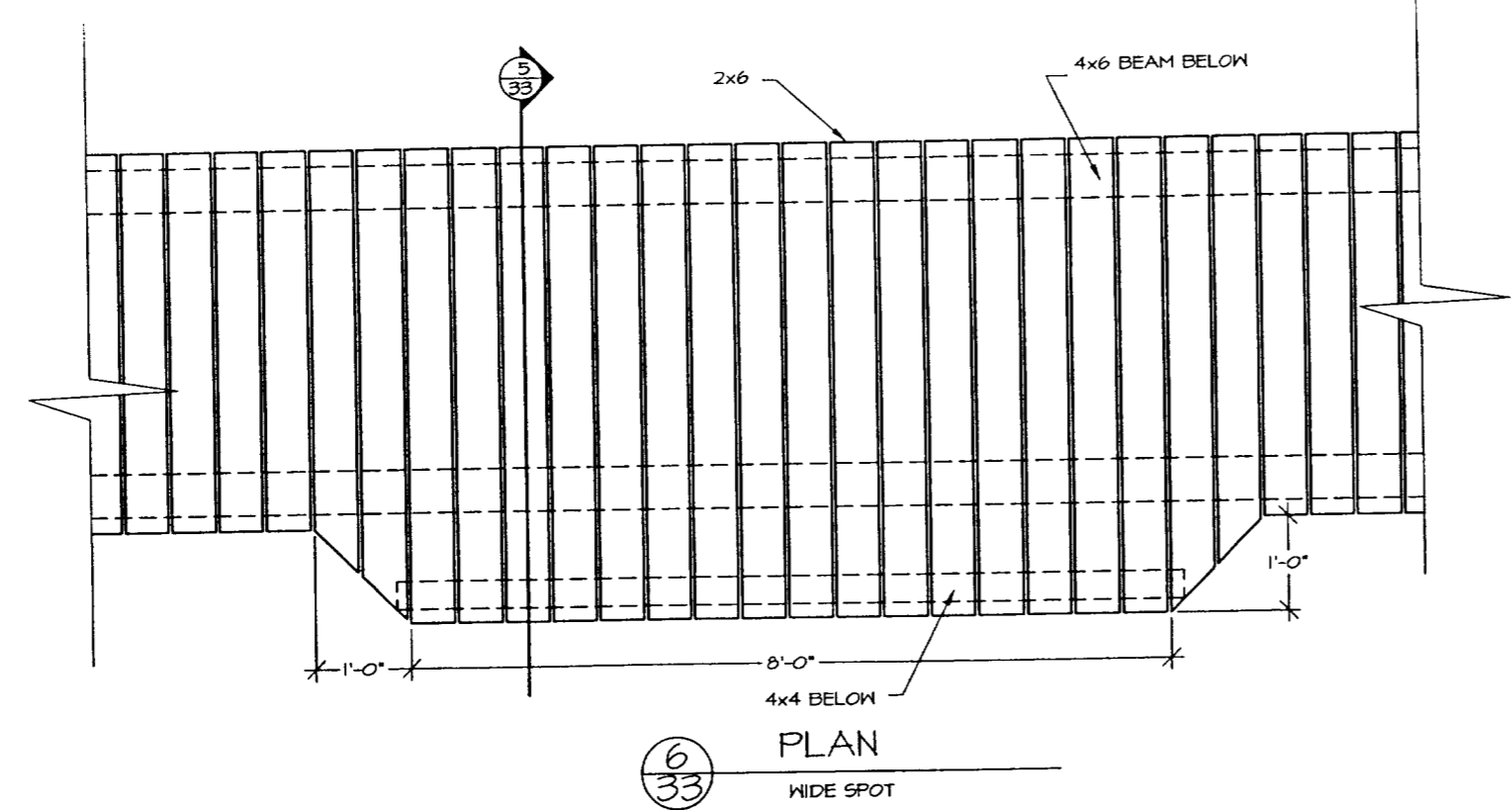
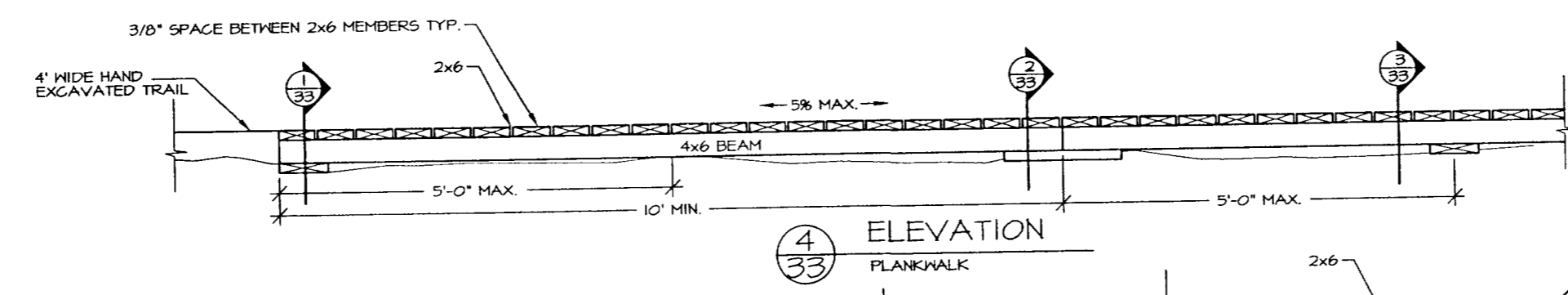
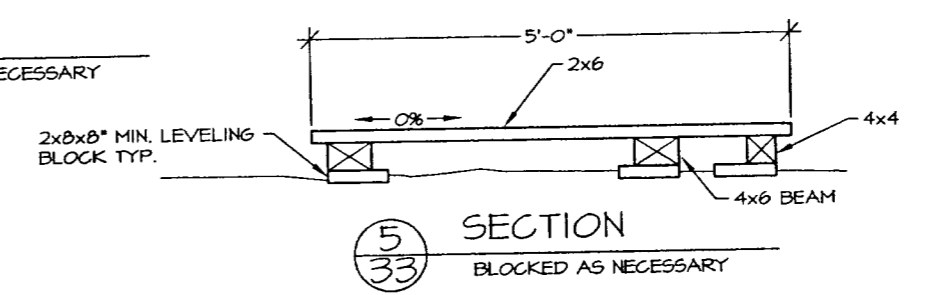
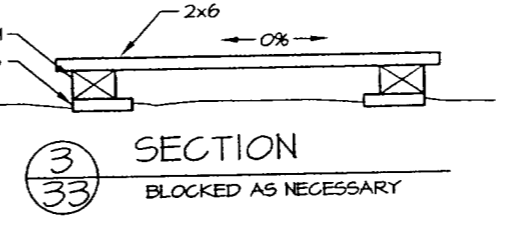
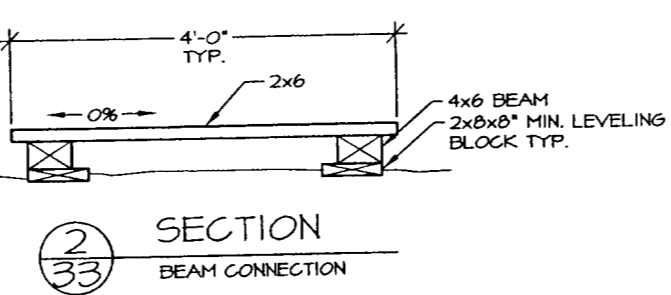
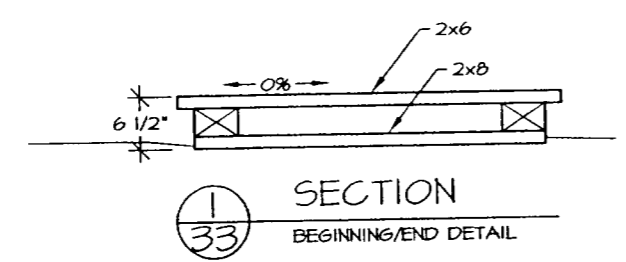
EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

INTERPRETIVE SIGN, TYPE A

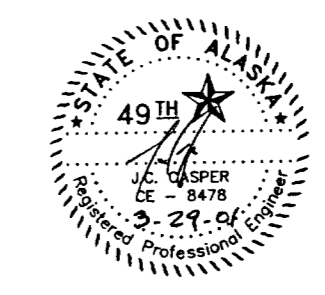
PREPARED: H/E
DRAWN: H/E
REVIEWED: JC
DATE: OCT 00

SHEET
32
OF 46 SHEETS

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	33	46

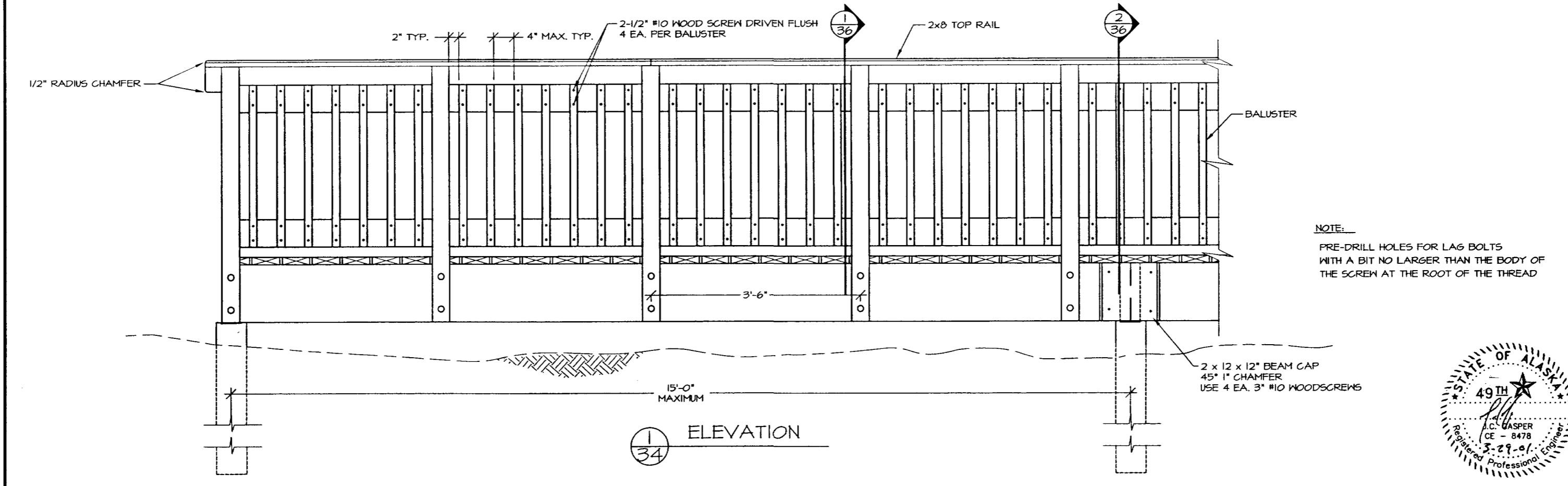
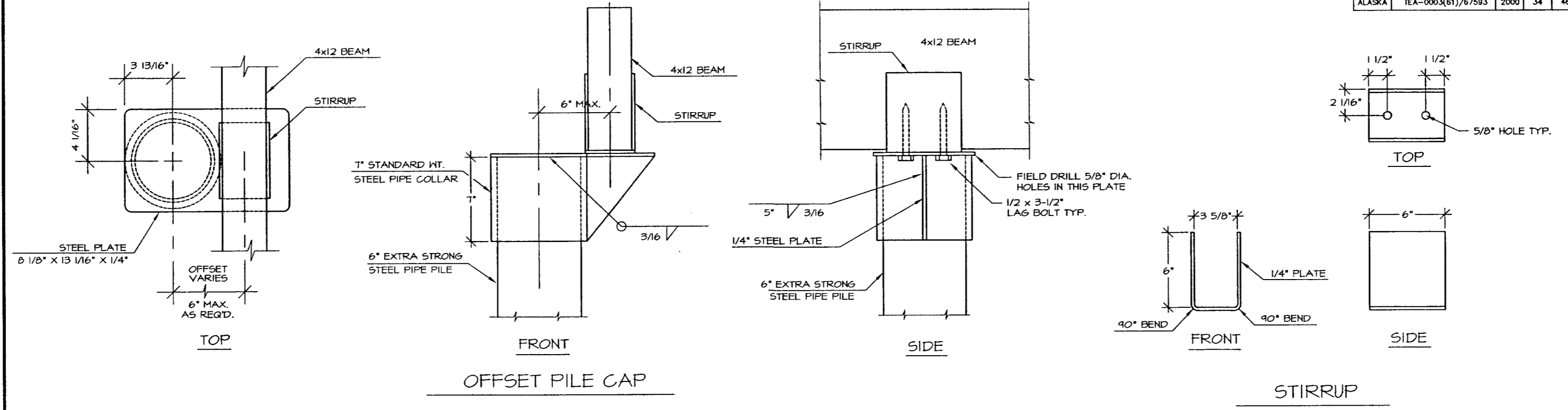


NOTES:
 TRANSITION BETWEEN PATH & BOARDWALK SHALL BE SMOOTH
 WIDE SPOTS SHALL BE LOCATED EVERY 200 FEET ALONG THE PLANKWALK AT LOCATIONS IDENTIFIED BY THE ENGINEER.

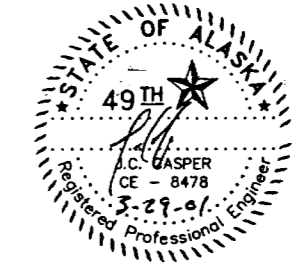


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	PLANKWALK	PREPARED: ME	SHEET
			DRAWN: ME	33
			REVIEWED: JC	OF 46 SHEETS
			DATE: OCT 00	

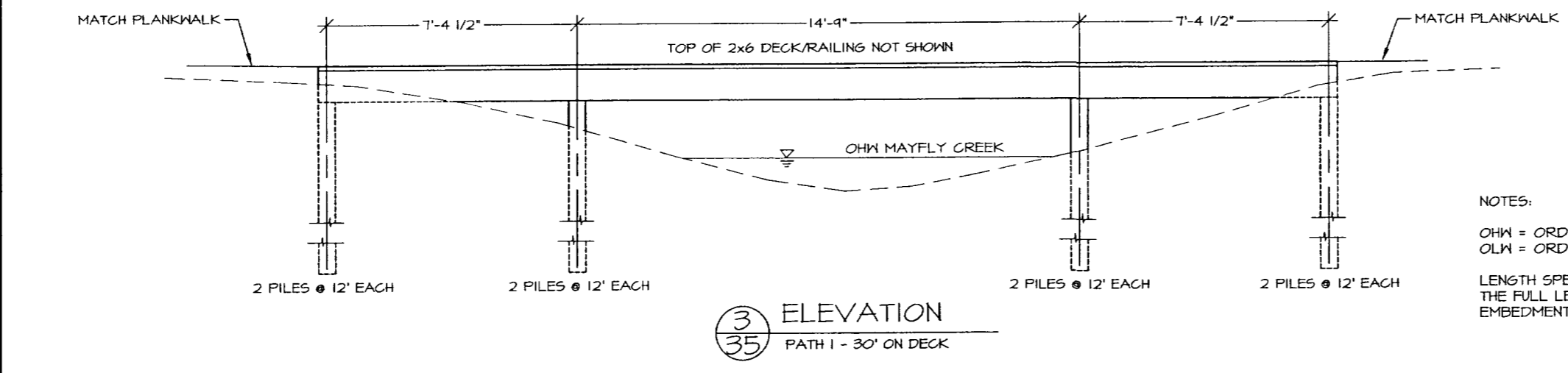
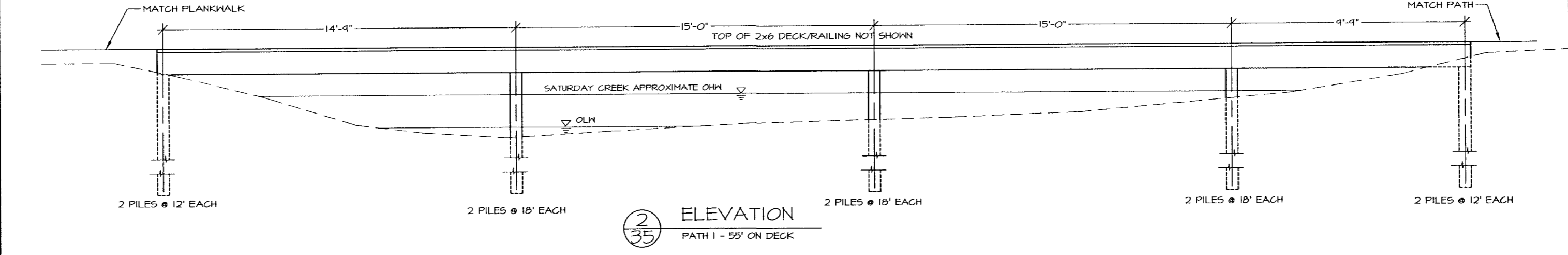
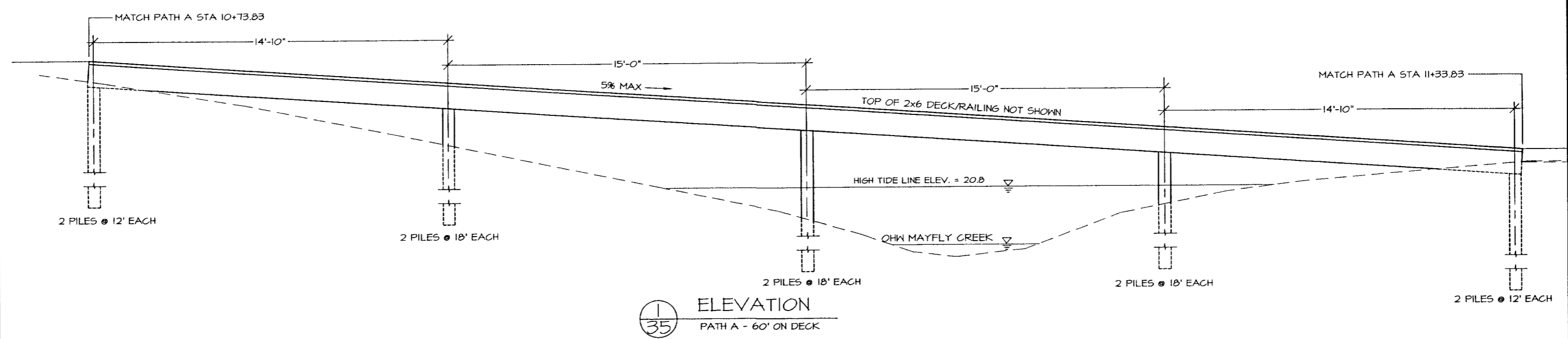
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	34	46



NOTE:
PRE-DRILL HOLES FOR LAG BOLTS
WITH A BIT NO LARGER THAN THE BODY OF
THE SCREW AT THE ROOT OF THE THREAD



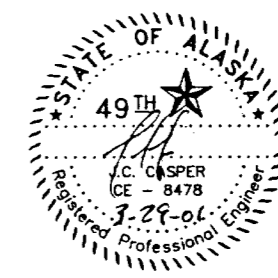
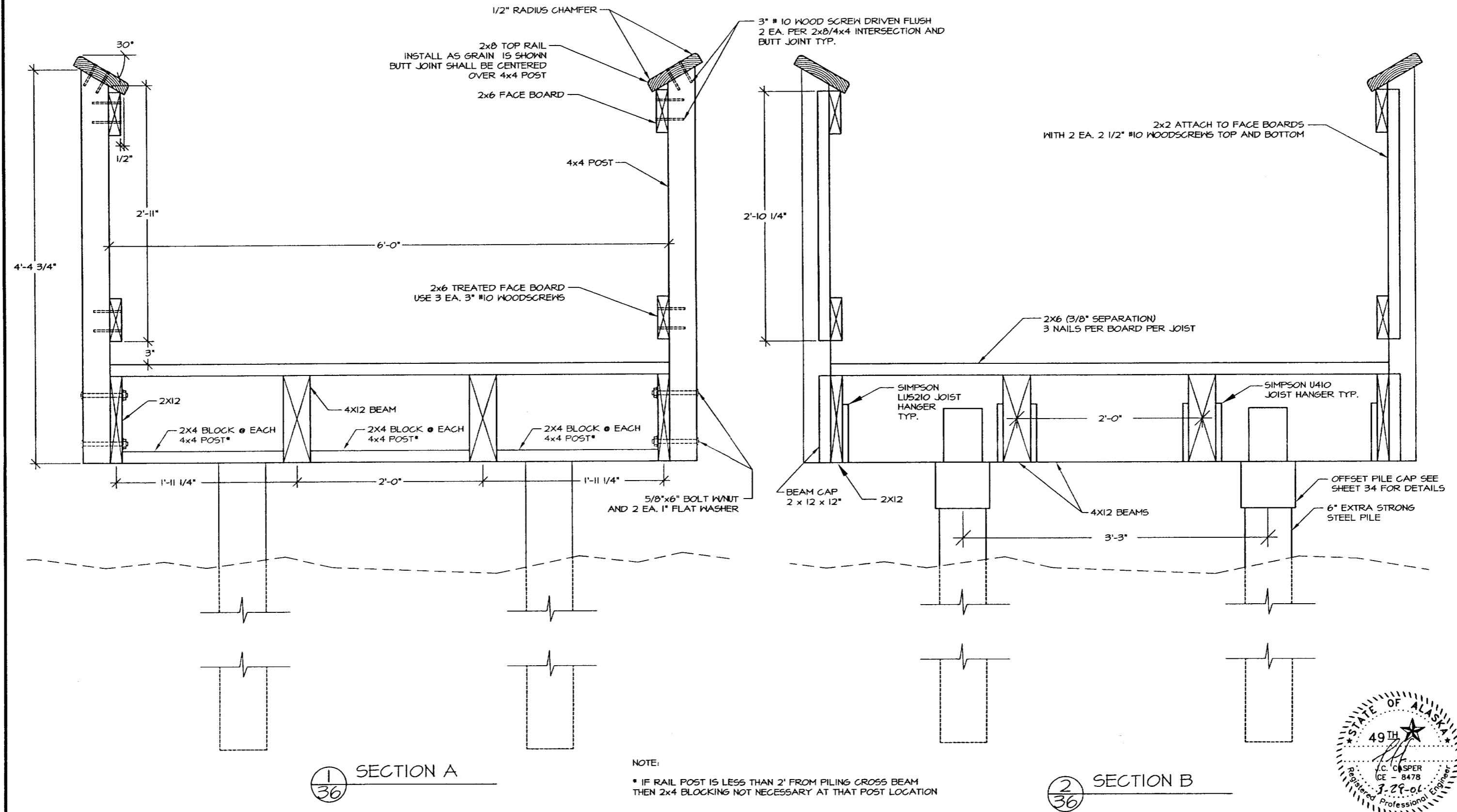
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	35	46



NOTES:
 OHW = ORDINARY HIGH WATER
 OLN = ORDINARY LOW WATER
 LENGTH SPECIFIED FOR EACH PILE IS THE FULL LENGTH OF THE PILE INCLUDING EMBEDMENT AND ABOVE GROUND PORTION

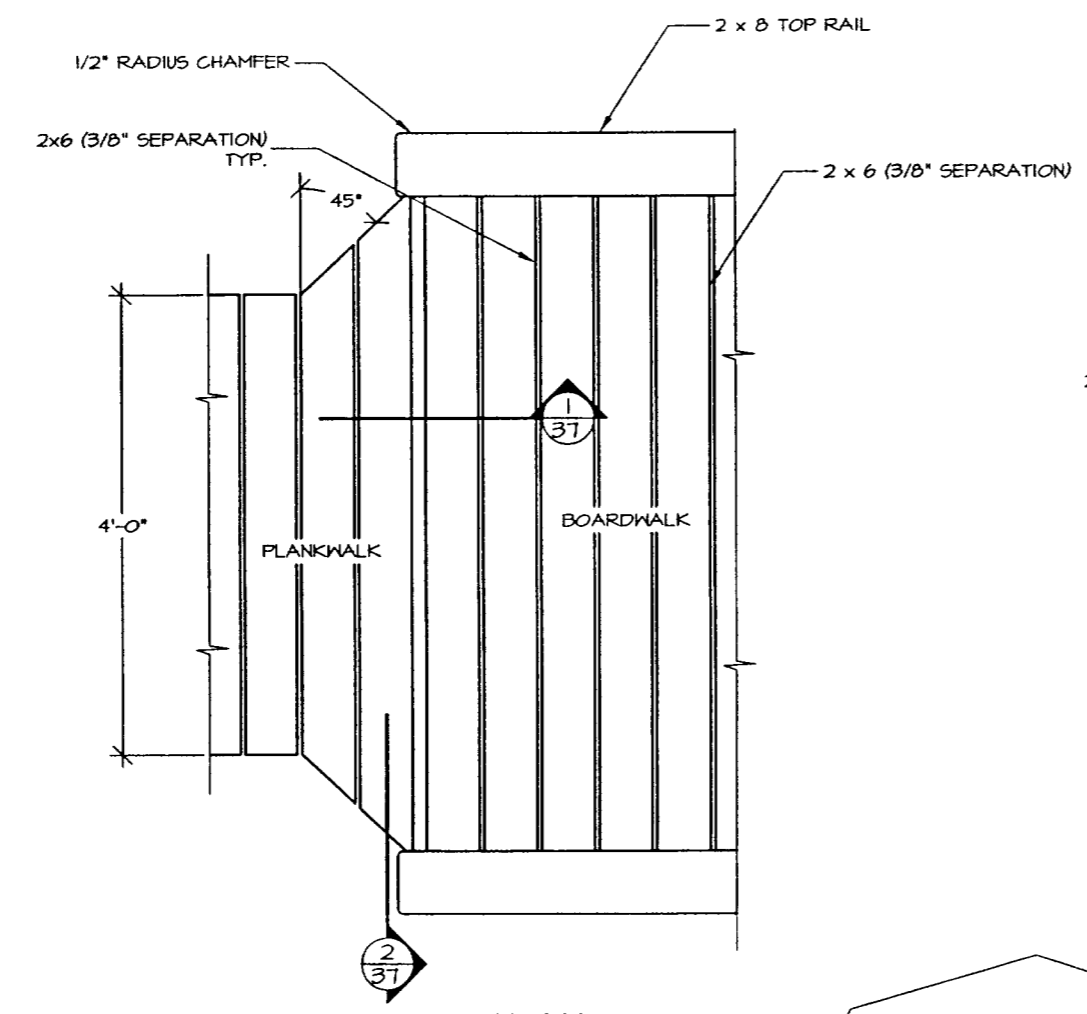


STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	36	46

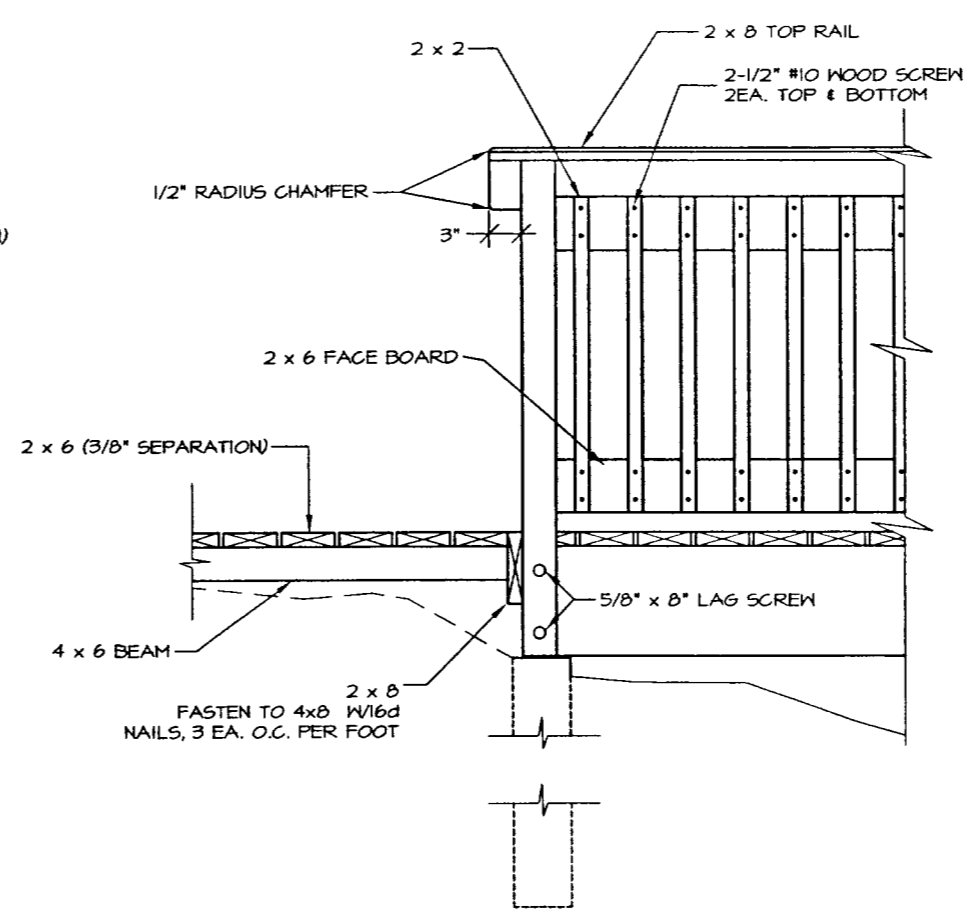


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	BOARDWALK SECTIONS	PREPARED: KVE DRAWN: KVE MS REVIEWED: JC DATE: OCT 00	SHEET 36 OF 46 SHEETS
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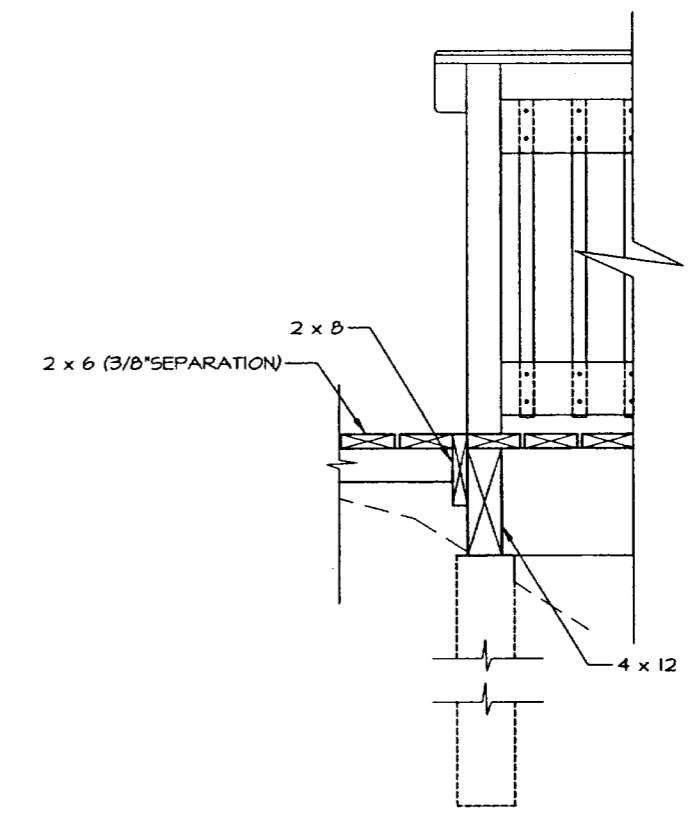
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	37	46



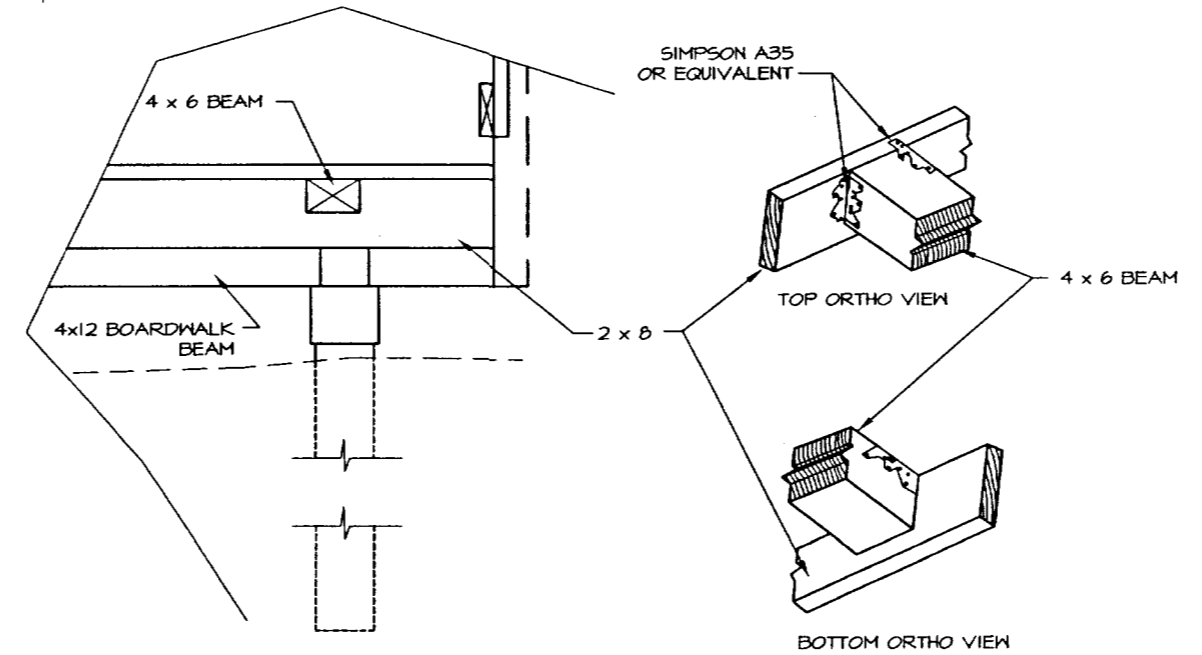
PLAN



ELEVATION

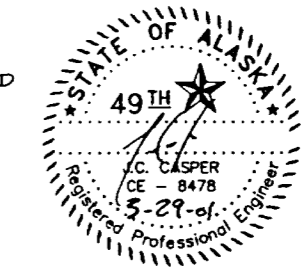


1-37 SECTION



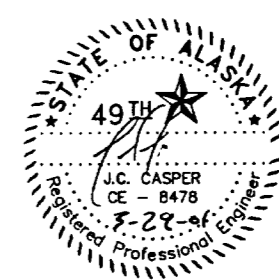
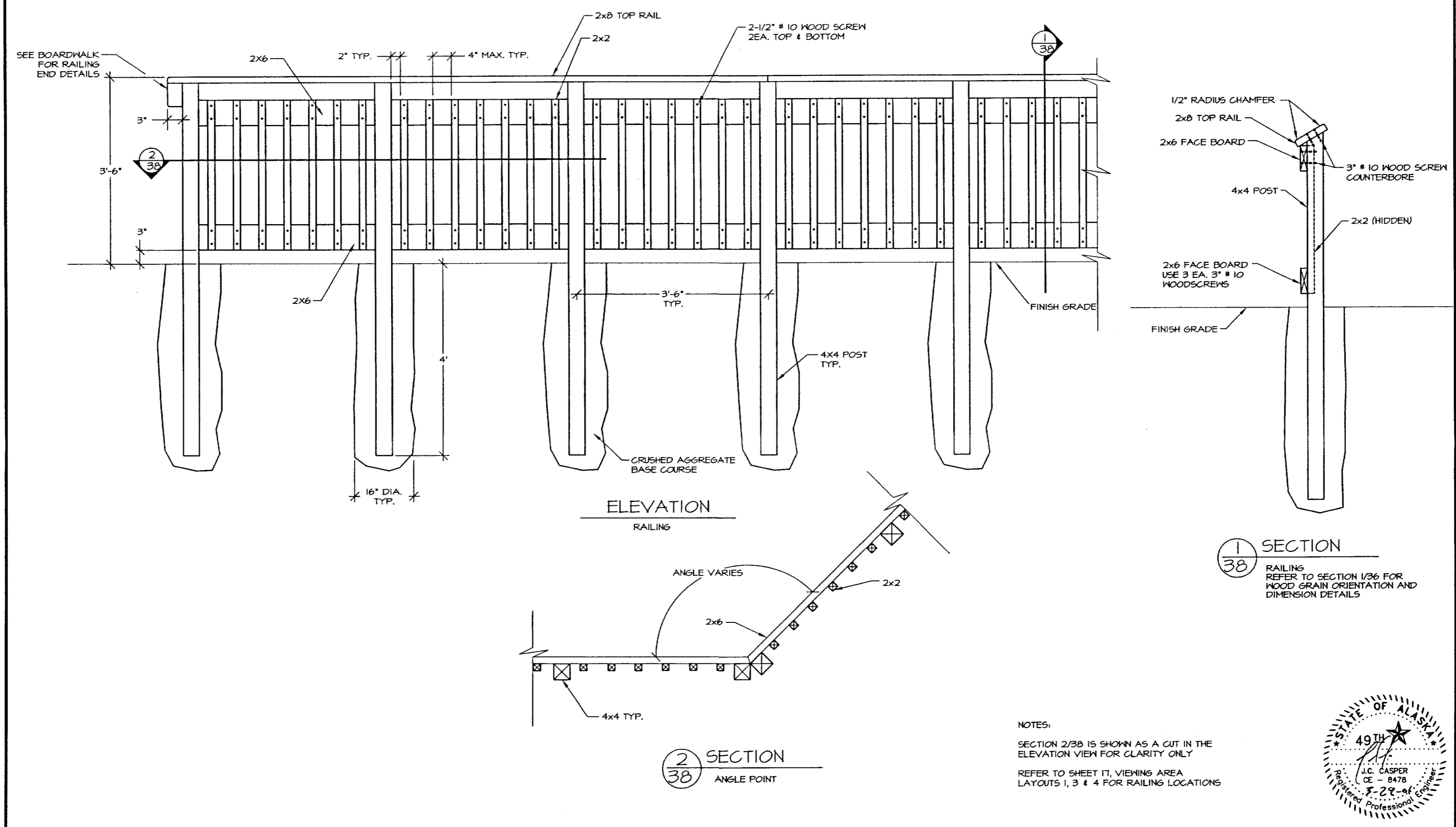
2-37 SECTION

NOTE:
TRANSITION BETWEEN BOARDWALK AND
PLANKWALK SHALL BE SMOOTH



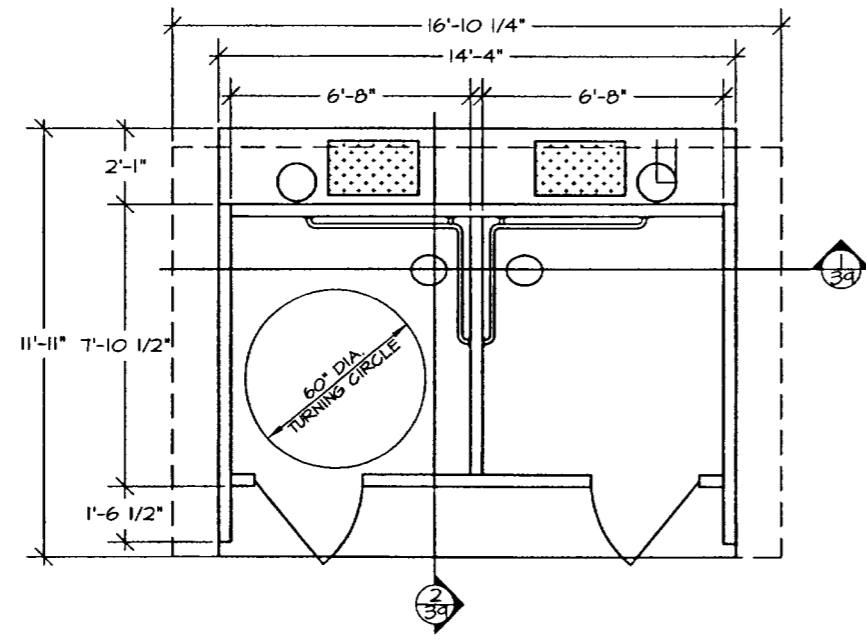
DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	BOARDWALK/PLANKWALK CONNECTION	PREPARED: MS/VE DRAWN: MS/VE REVIEWED: JG DATE: OCT 00	SHEET 37 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	38	46

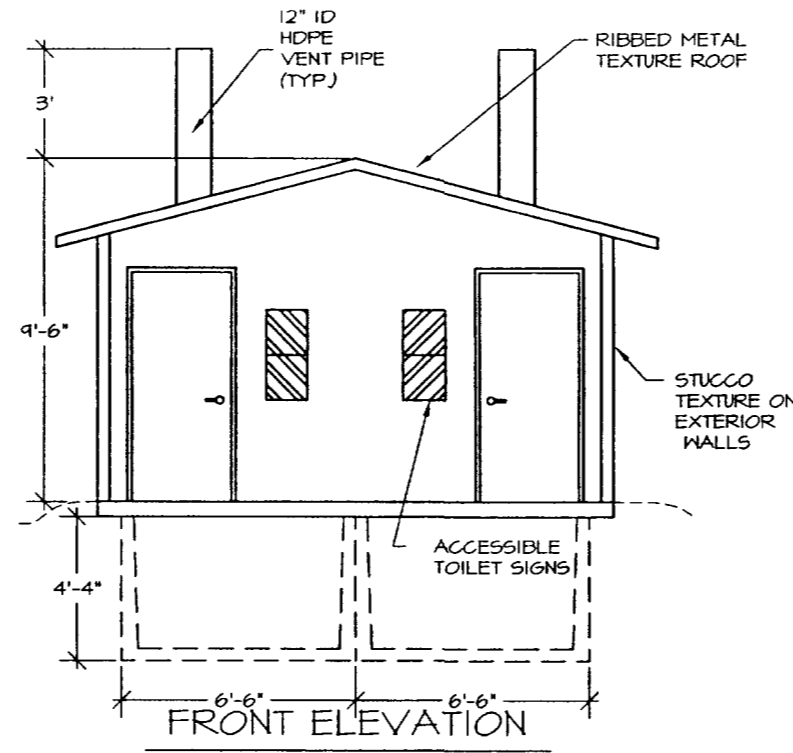


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHAED & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	VIEWPOINT RAILING	PREPARED: PVE DRAWN: JS REVIEWED: JC DATE: JUN 2000	SHEET 38 OF 46 SHEETS
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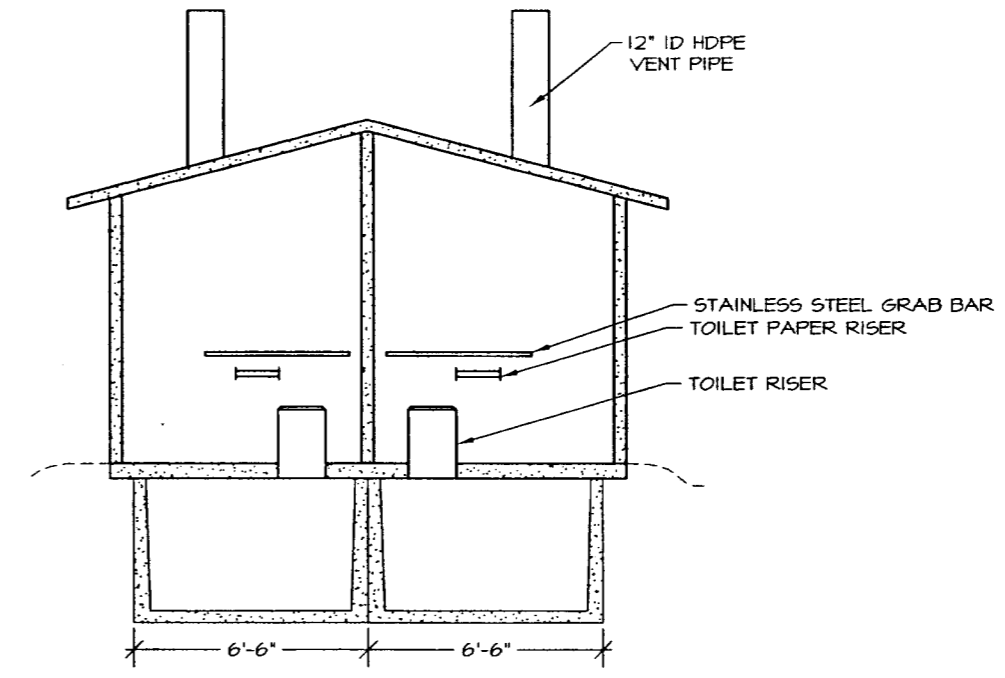
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	39	46



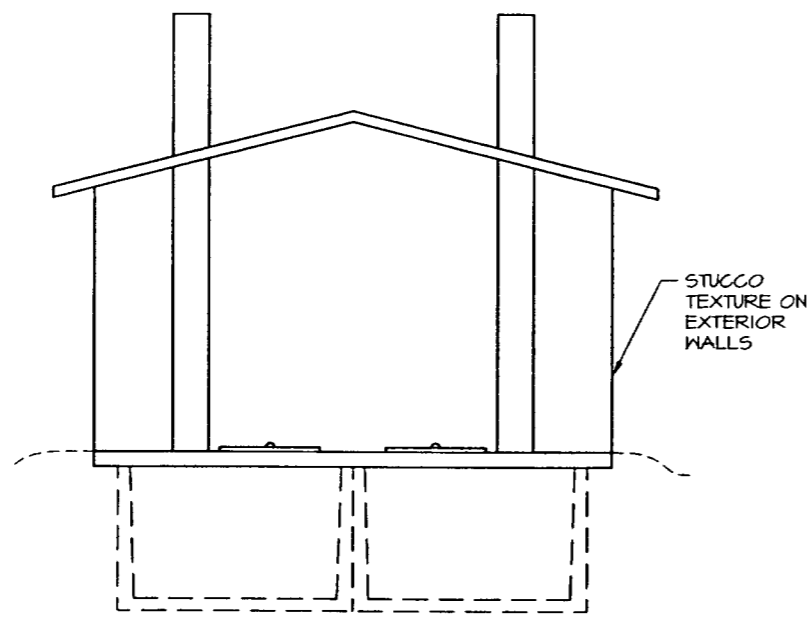
FLOOR PLAN



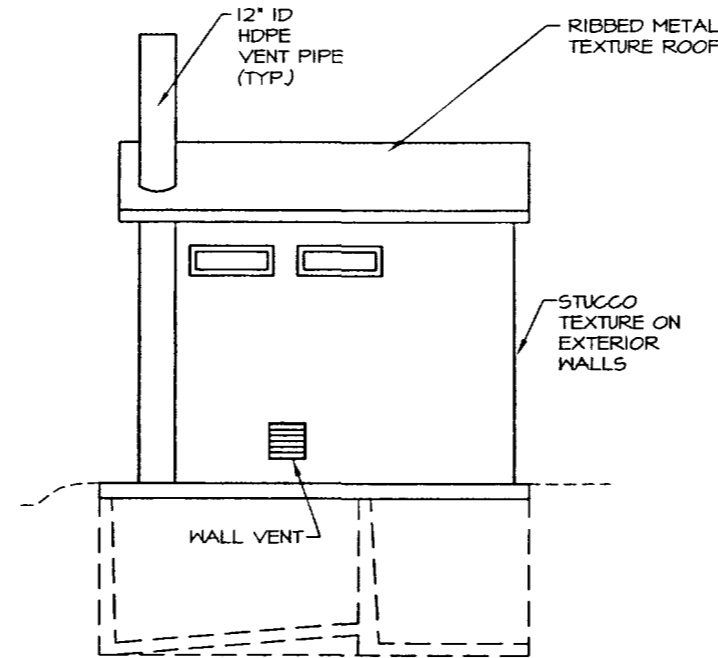
FRONT ELEVATION



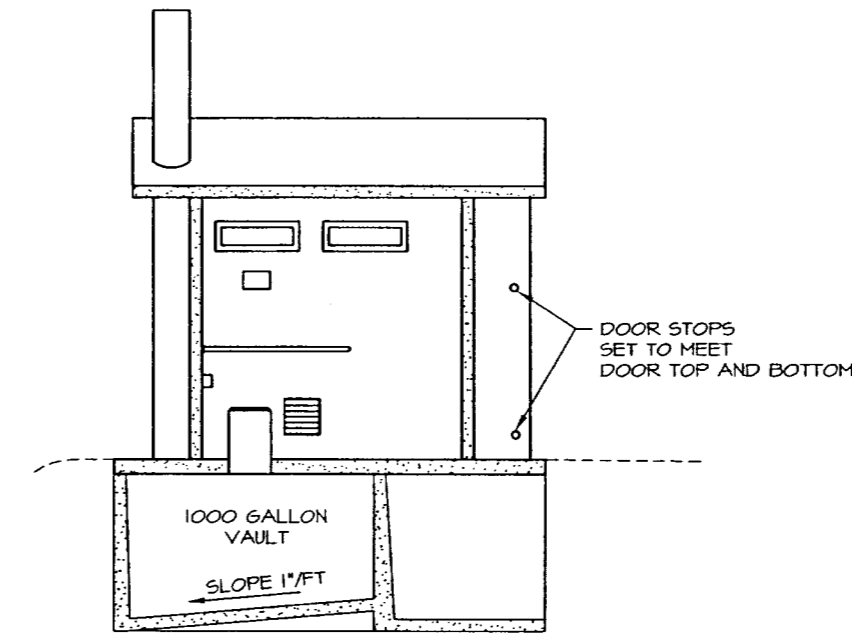
1 SECTION



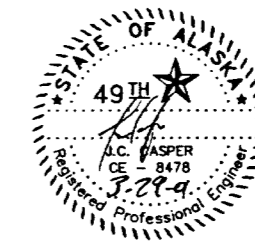
BACK ELEVATION



LEFT SIDE ELEVATION



2 SECTION



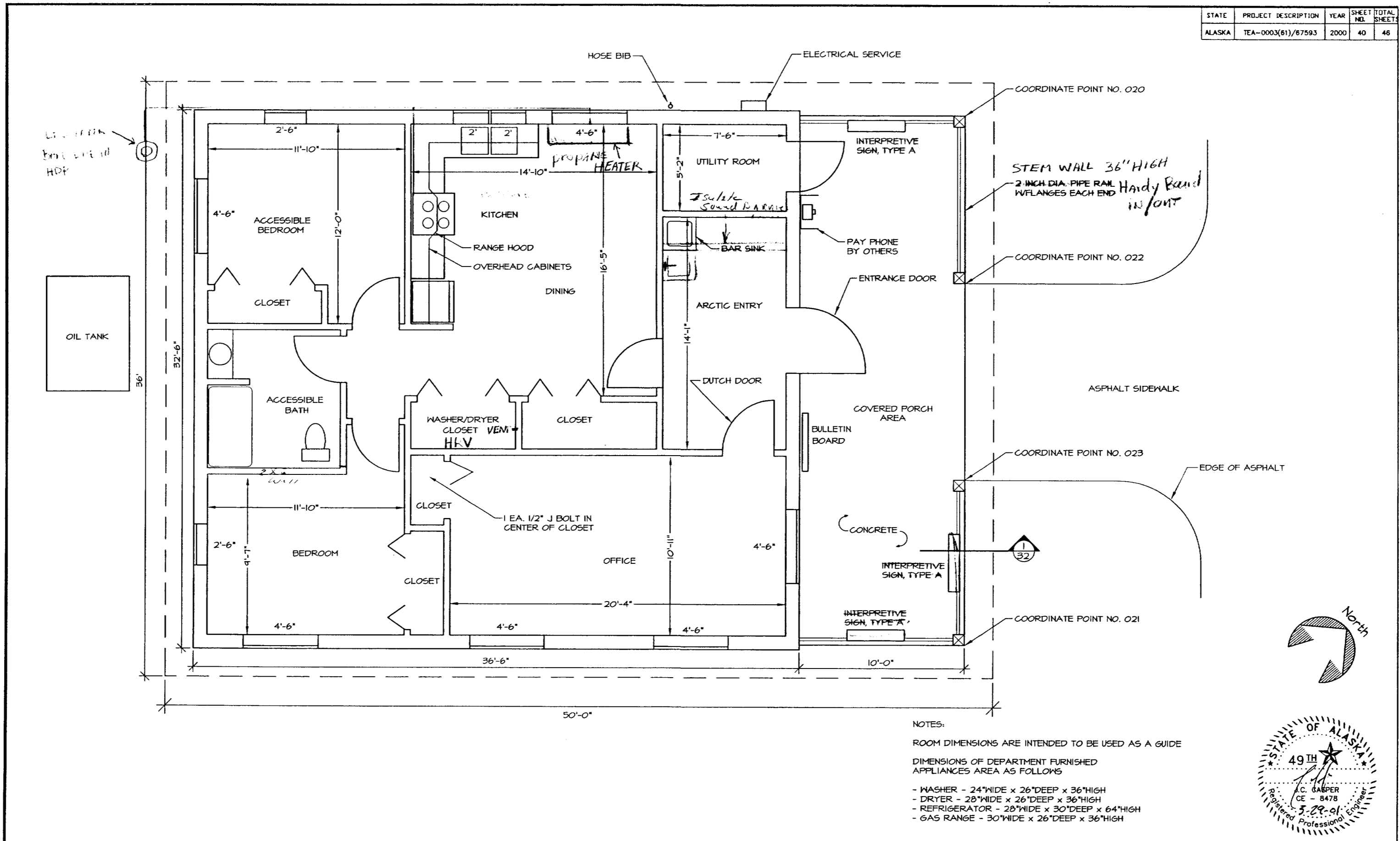
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

CONCRETE VAULTED TOILET

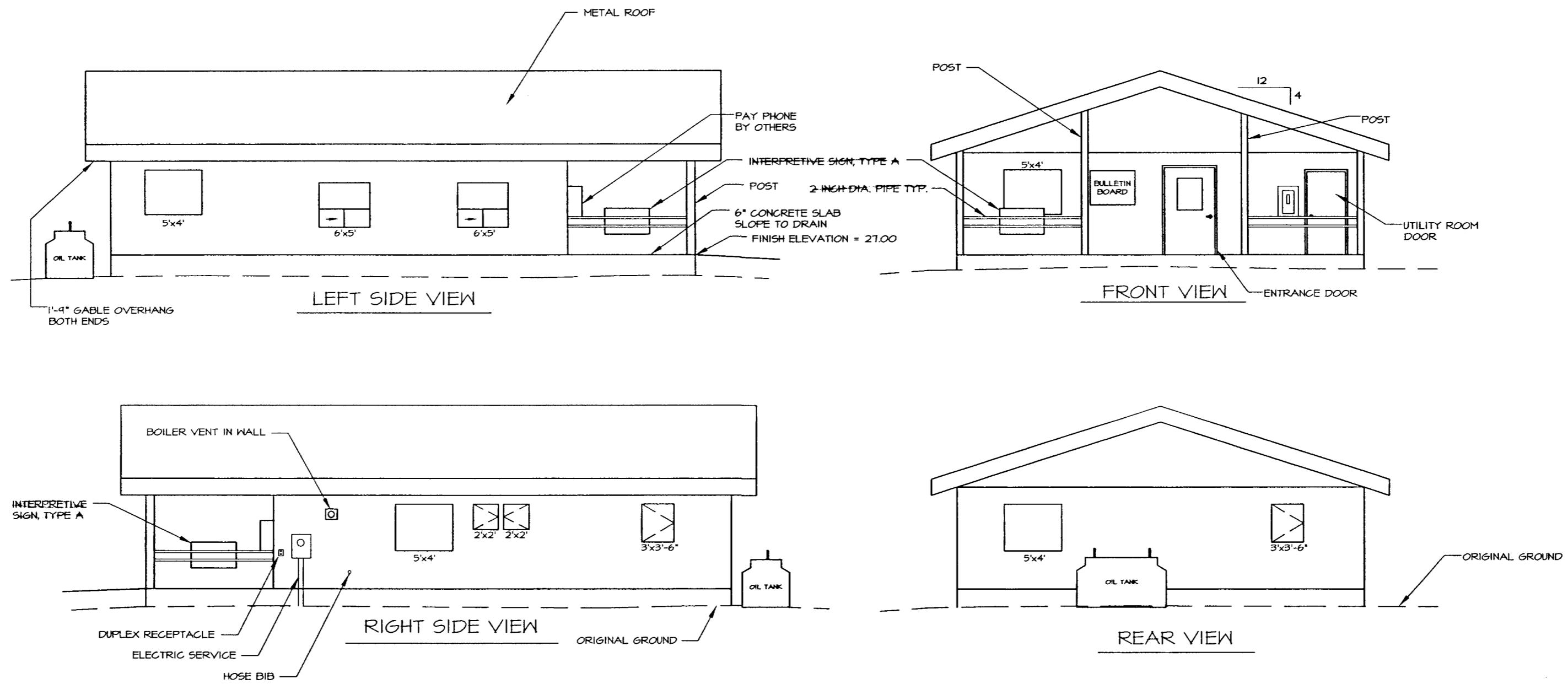
PREPARED BY: ME
DRAWN BY: JS
REVIEWED BY: JK
DATE: OCT 00
SHEET 39 OF 46 SHEETS

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	40	46

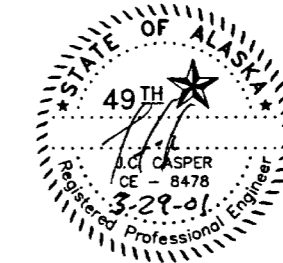


DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	CARETAKER CABIN / VISITOR CONTACT STATION FLOOR PLAN	PREPARED: VE DRAWN: VE REVIEWED: JC DATE: NOV 00	SHEET 40 OF 46 SHEETS
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STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	41	46



NOTE:
WINDOW SIZES INDICATED ARE APPROXIMATE AND REPRESENT THE OVERALL FRAME SIZE



DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

EAGLE BEACH SRA TRAILHEAD
& WAYSIDE IMPROVEMENTS
TEA-0003(61)/67593

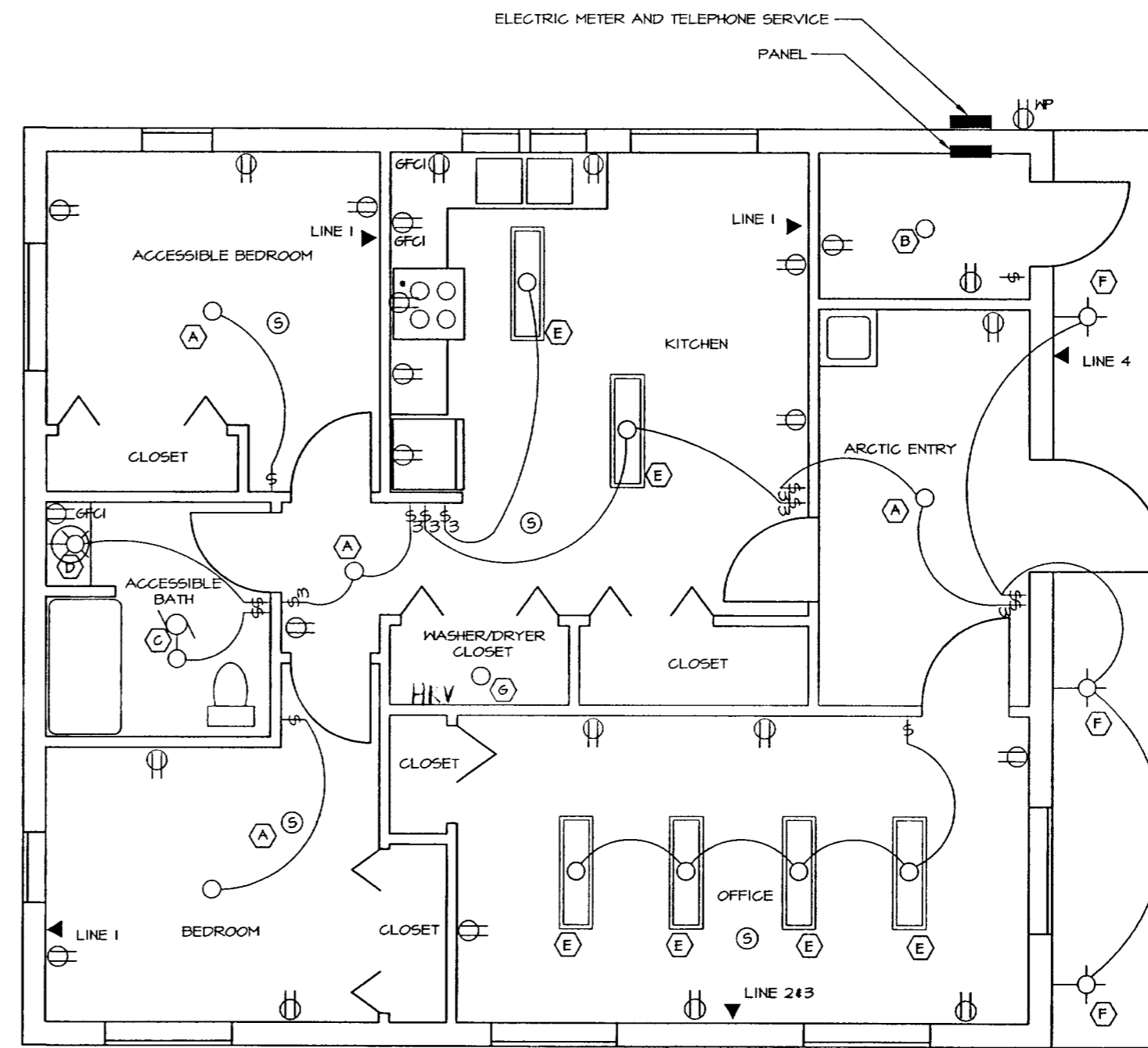
CARETAKER CABIN / VISITOR
CONTACT STATION
ELEVATIONS

PREPARED: JME
DRAWN: JME
REVIEWED: JJC
DATE: NOV 00

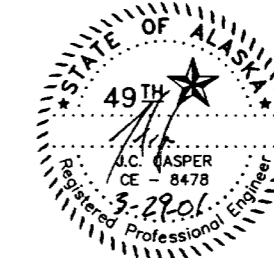
SHEET
41
OF 46 SHEETS

ELECTRICAL LEGEND			
	CONCEALED WIRING		LIGHT FIXTURE - SURFACE MTD. ON WALL
	WALL MOUNTED PANEL		LIGHT FIXTURE DESIGNATION, SEE LIGHTING FIXTURE SCHEDULE
	J-BOX		EXHAUST FAN W/LIGHT
	SINGLE POLE SWITCH, 15 AMP, UP 48"		FLUORESCENT LIGHT FIXTURE - PENDANT MTD.
	3-WAY SWITCH UP 48"		TELEPHONE OUTLET, UP 12"
	LIGHT FIXTURE - SURFACE MTD. ON CEILING		SMOKE DETECTOR, CEILING MOUNTED
	LIGHT FIXTURE - MOUNTED ON FAN		WALL MOUNTED DUPLEX RECEPT., 15 AMP, UP 12" NF=WEATHERPROOF GFCI=GROUND FAULT INTERRUPTER

LIGHTING FIXTURE SCHEDULE		
FIXTURE	LAMPS	DESCRIPTION
(A)	2-100M	CEILING MOUNT W/ DECORATIVE GLASS COVER
(B)	1-100M	CEILING MOUNT W/O DECORATIVE COVER
(C)	1-250M, R-40 RED HEAT LAMPS	FLUSH CEILING MOUNT COMBINATION EXHAUST FAN AND HEAT LAMP UNIT PROVIDE 0-15 MINUTE TIME SWITCH FOR HEAT LAMPS FAN TO CFM @ 33 SONES
(D)	4-60M	HALL MOUNT FIXTURE ABOVE MIRROR/CABINET ABOVE VANITY
(E)	2 - T-8 48-INCH FLUORESCENT	SURFACE MOUNT FLUORESCENT W/ INSTANT-START ELECTRONIC BALLASTS, ACRYLIC LENS. MOUNT 8-FOOT AFF
(F)	1-100M HPS	HALL MOUNT AREA LIGHT W/ INTERNAL PHOTOELECTRIC CONTROL AND ACRYLIC OR GLASS PRISMATIC LENSES. NET LOCATION LISTED
(G)	1-60M	RECESSED INCANDESCENT WITH ENCLOSED LAMP



NOTES:
 THIS SHEET IS INTENDED TO SHOW LOCATION, QUANTITY AND TYPE OF ELECTRICAL COMPONENTS
 ALL SMOKE DETECTORS SHALL HAVE A COMMON ALARM OPERATION
 • RECEPTACLE IN CABINET ABOVE FOR RANGE HOOD
 PANEL SHALL BE SIZED TO ACCOMMODATE FUTURE 50 AMP SERVICE IN ADDITION TO CABIN REQUIREMENTS



DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

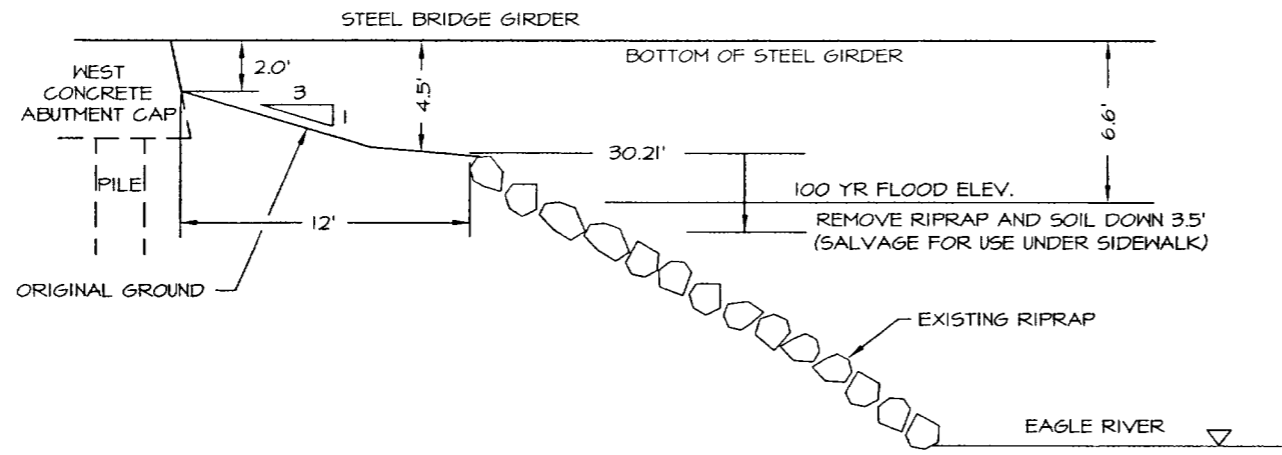
EAGLE BEACH SRA TRAILHEAD
 & WAYSIDE IMPROVEMENTS
 TEA-0003(61)/67593

CARETAKER CABIN / VISITOR
 CONTACT STATION ELECTRICAL
 PLAN & LIGHTING SCHEDULE

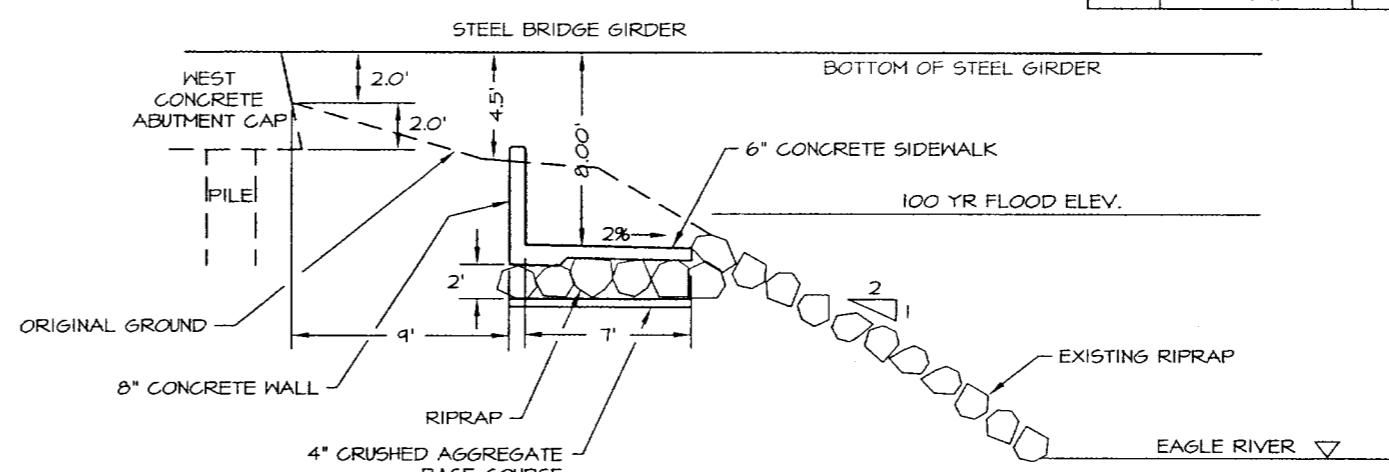
PREPARED: W/E
 DRAWN: W/E
 REVIEWED: J/C
 DATE: NOV 00

SHEET
 42
 OF 46 SHEETS

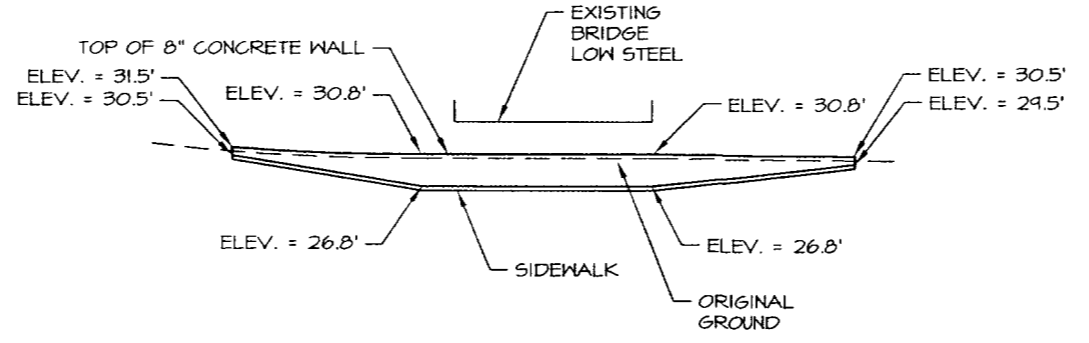
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	43	46



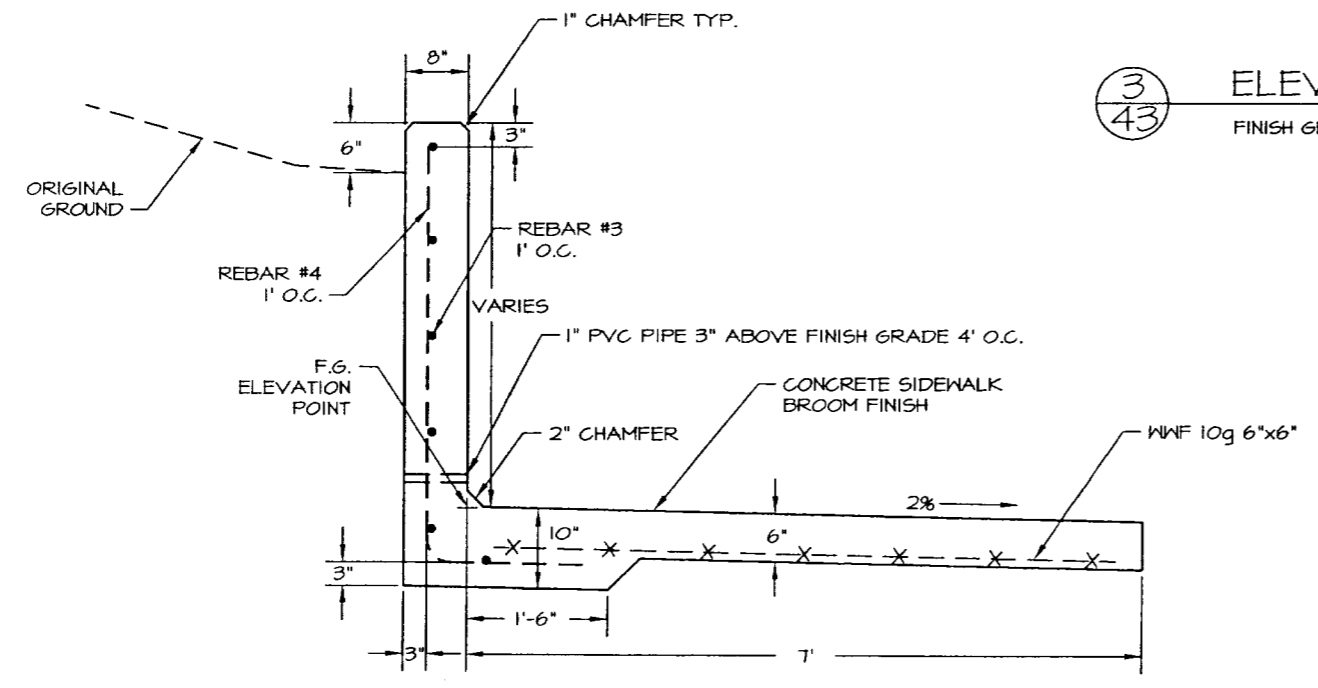
SECTION 1 ORIGINAL GROUND



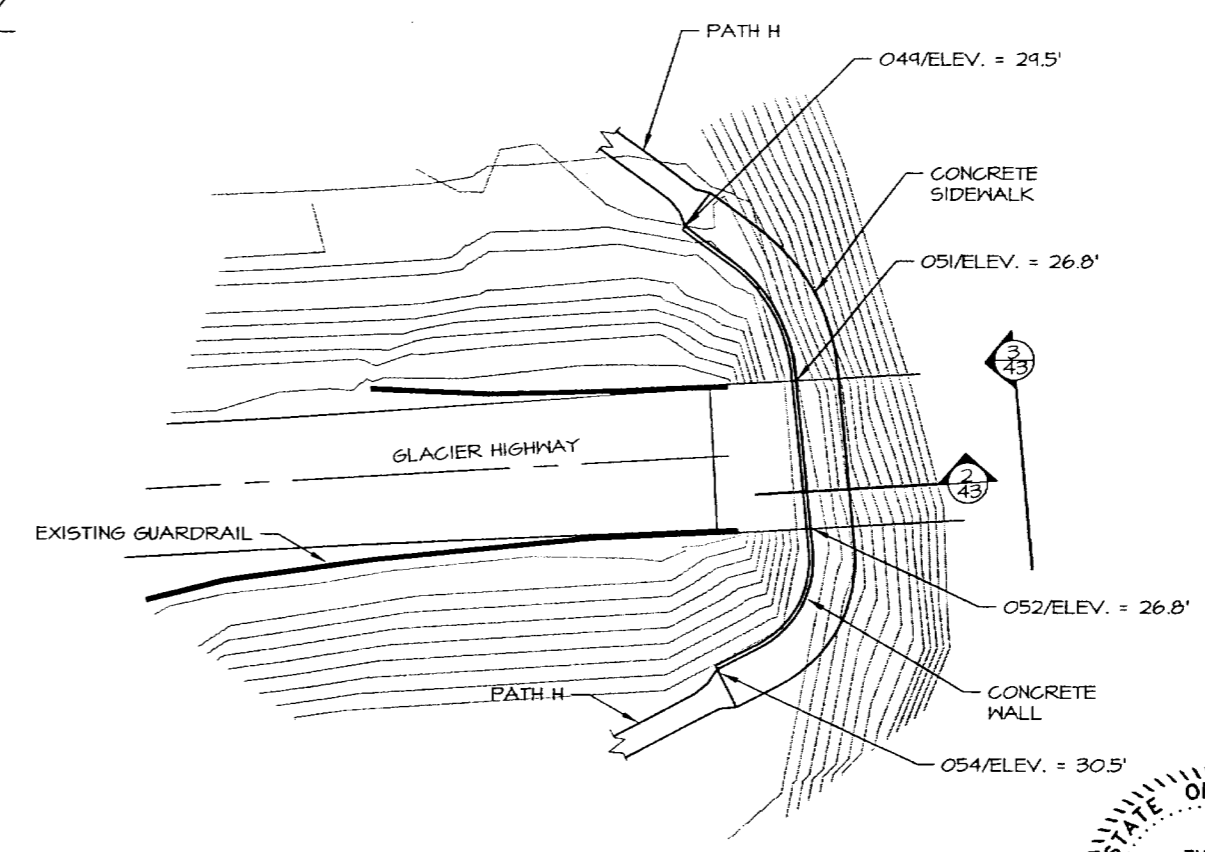
SECTION 2 PATH & RETAINING WALL



ELEVATION 3 FINISH GRADES

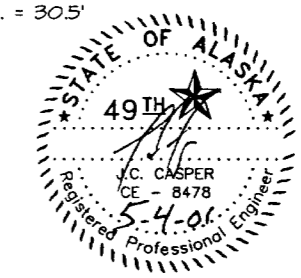


SECTION 4 REINFORCEMENT DETAIL



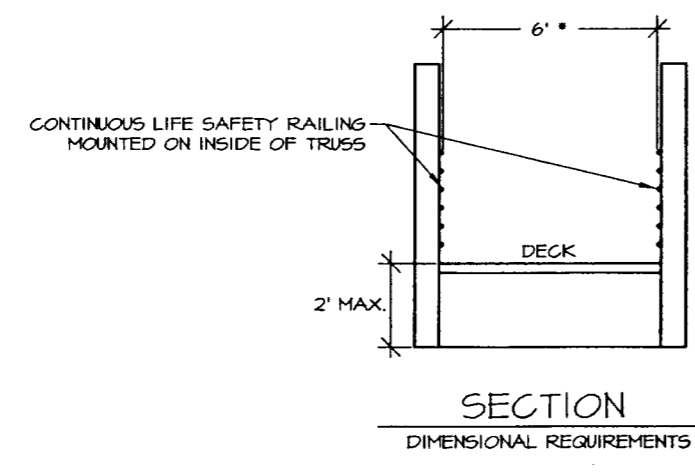
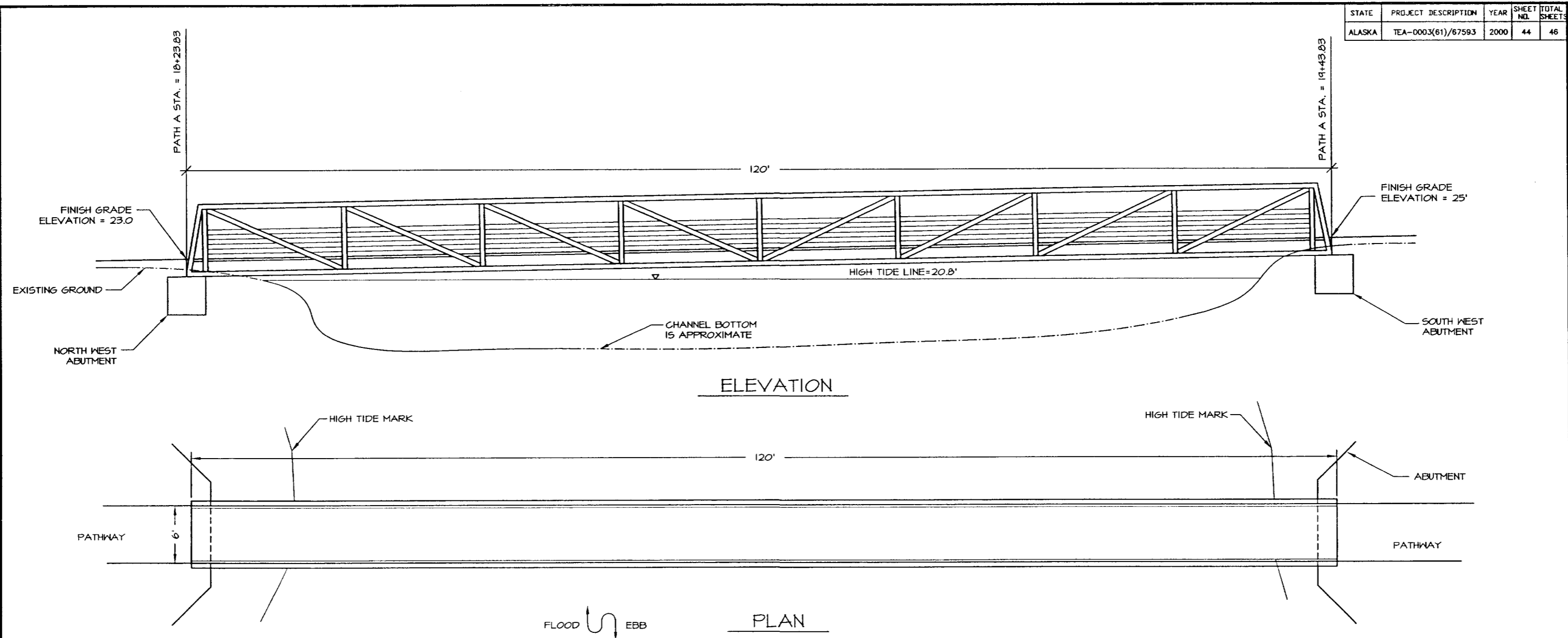
PLAN 5 LAYOUT

NOTE:
PLACE LAYER OF GEOTEXTILE OVER RIPRAP AND/OR SIDEWALK



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	BRIDGE UNDERPATH PLAN, SECTION & DETAILS	PREPARED: WE	SHEET
			DRAWN: WE RJD	43
			REVIEWED: JC	OF 46 SHEETS
			DATE: OCT 00	

STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0003(61)/67593	2000	44	46



NOTES:

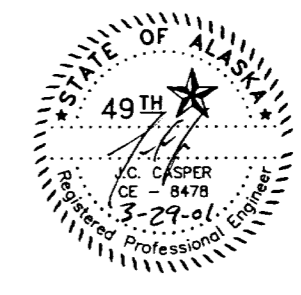
BRIDGE AND ABUTMENT WILL BE CONSTRUCTED ENTIRELY OUT OF THE STREAM CHANNEL AND ABOVE THE HIGH TIDE LINE. ABUTMENTS SHOWN ARE REPRESENTATIVE OF LOCATION ONLY.

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE DESIGNING, ORDERING, OR FABRICATING ANY MATERIAL.

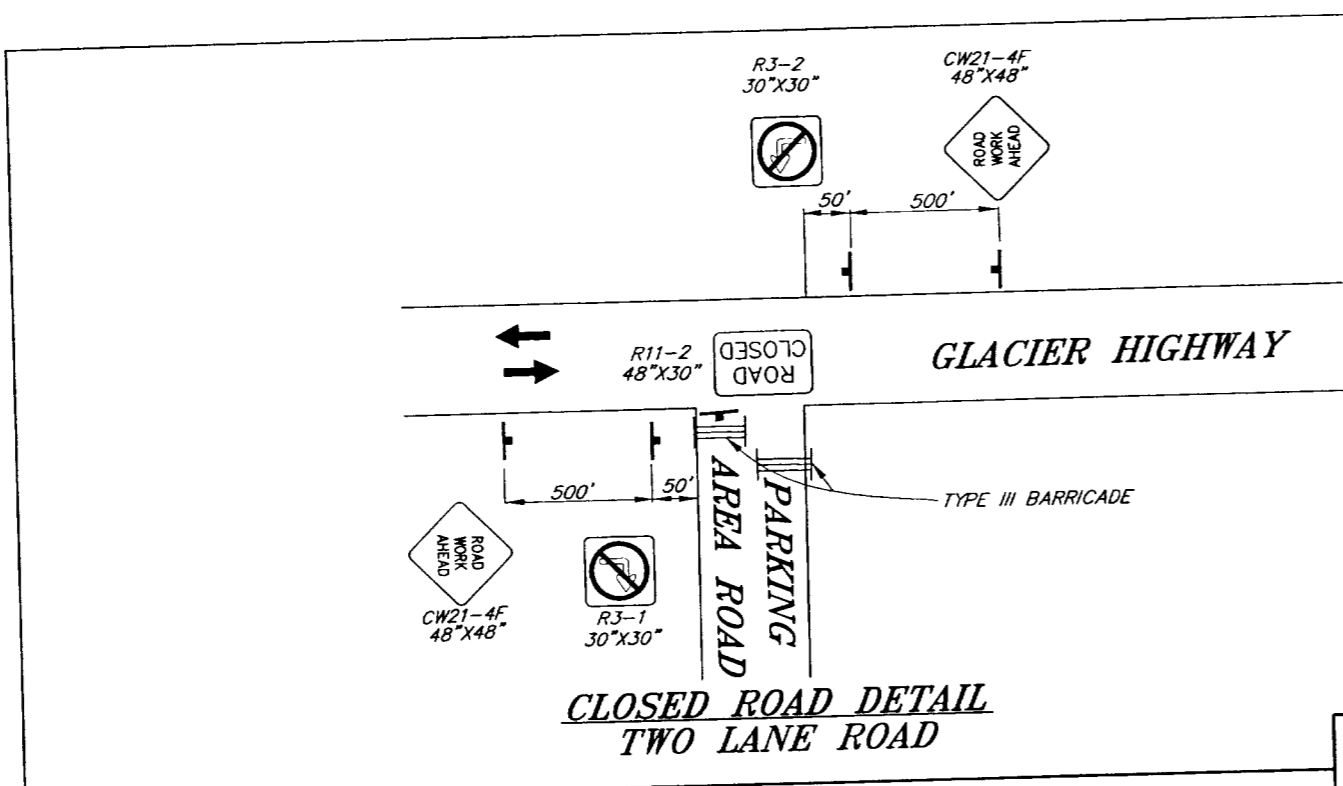
BRIDGE LENGTHS SHOWN ABOVE ARE HORIZONTAL.

* DIMENSION IS CLEAR BETWEEN CONTINUOUS LIFE SAFETY RAILINGS

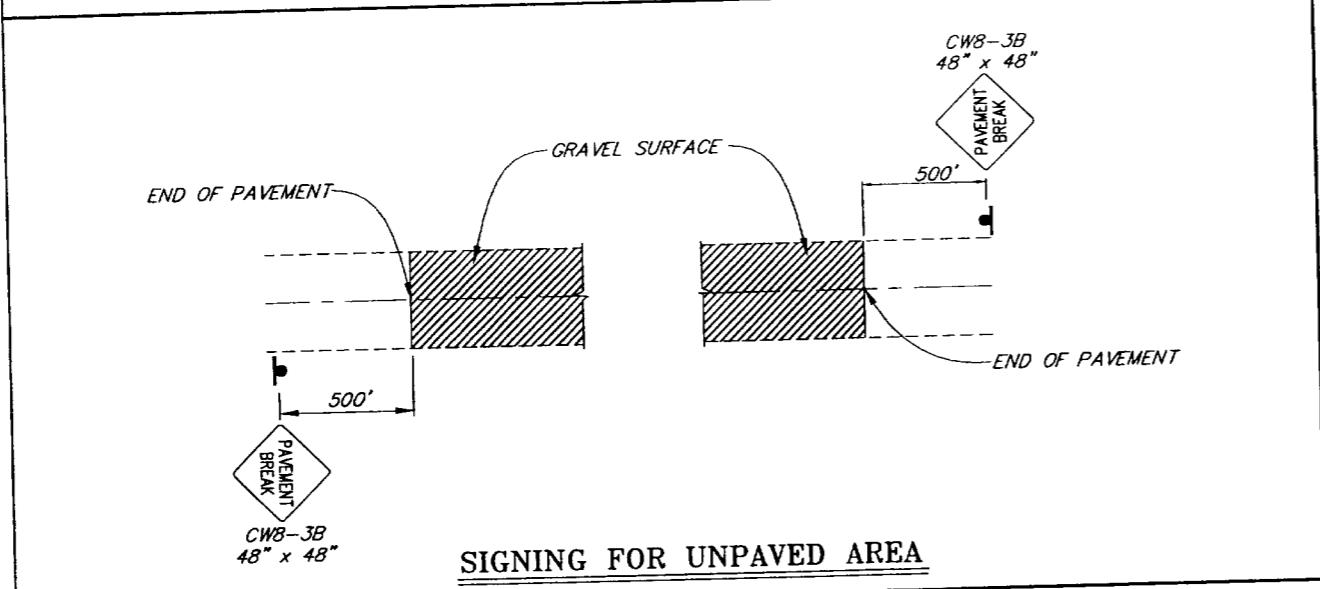
IF ENCLOSED STEEL SHAPES ARE USED, THEN WEEP HOLES SHALL BE LOCATED AT THE LOWERMOST POINTS.



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	PREFABRICATED STEEL BRIDGE	PREPARED: W.E.	SHEET
			DRAWN: W.E.	44
			REVIEWED: J.C.	OF 46 SHEETS
			DATE: OCT 00	



**CLOSED ROAD DETAIL
TWO LANE ROAD**



SIGNING FOR UNPAVED AREA

- TRAFFIC CONTROL NOTES**
1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS THAT ARE OPEN TO THE PUBLIC.
 2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
 3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
 4. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
 5. TEMPORARY PAVEMENT MARKINGS ARE REQUIRED AS DESCRIBED IN SECTION 643-3.09 OF THE SPECIFICATIONS.
 6. FLOOD LIGHTS SHALL BE PROVIDED FOR FLAGGER STATIONS DURING NIGHT OPERATIONS.
 7. CHANNELIZATION DEVICES, IF USED AT NIGHT, SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
 8. 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.
 9. 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 PORTIONS OF DETAILS ON THIS SHEET.

LEGEND

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

FORMULAS FOR L (TAPER LENGTH)

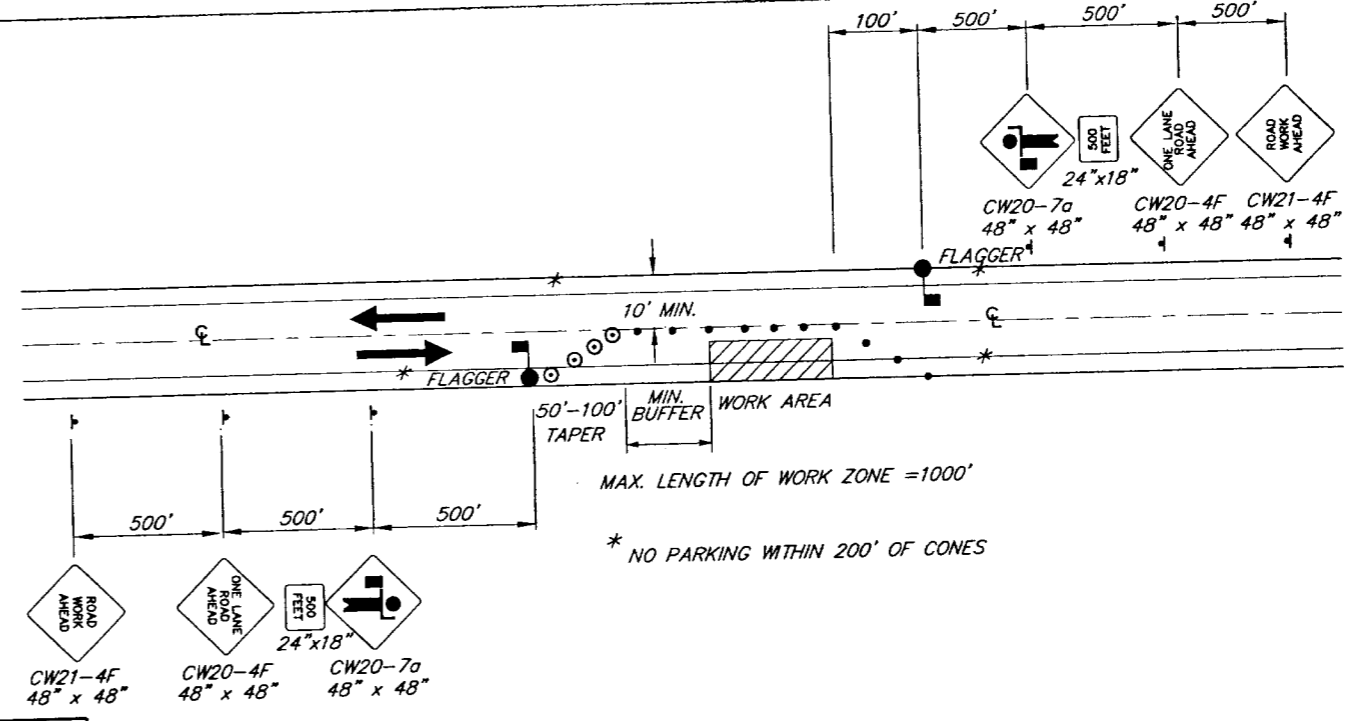
40 MPH OR LESS $L = \frac{W \times S^2}{60}$

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

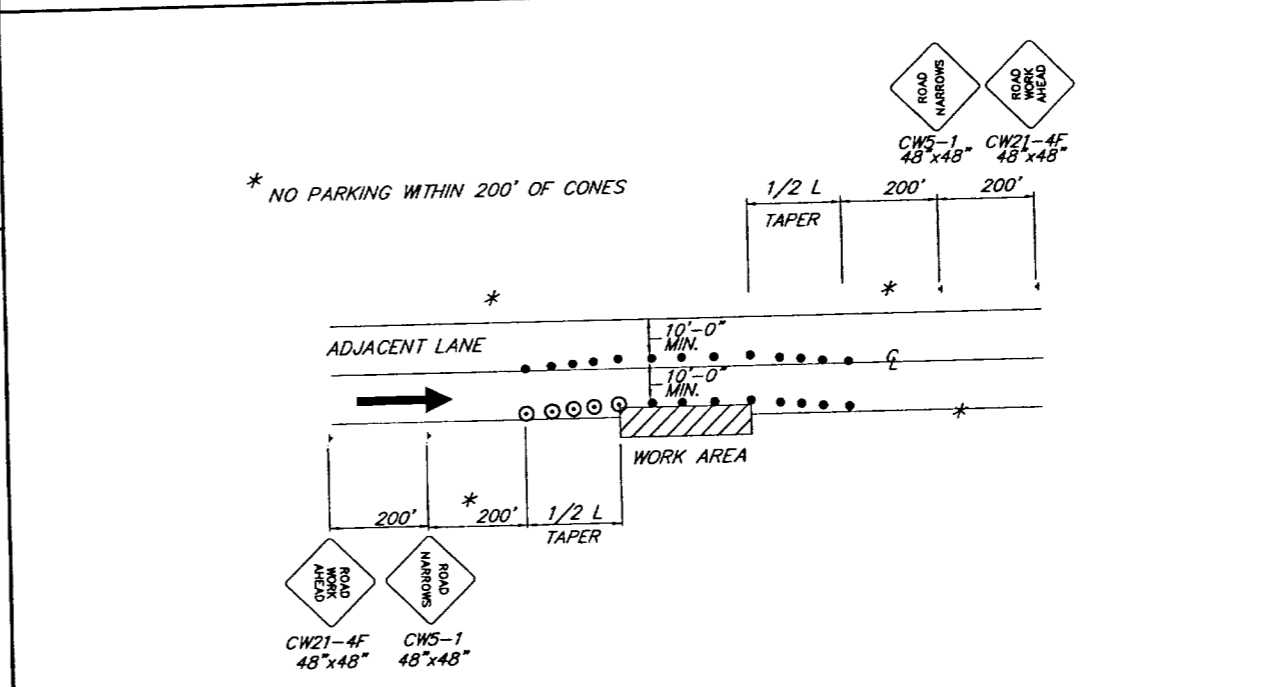
WHERE W = WIDTH OF OFFSET
S = POSTED SPEED LIMIT OR ANTICIPATED OPERATING SPEED

DRUM OR CONE SPACING = S (IN FEET)

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



**SINGLE LANE CLOSURE
TWO LANE ROAD**



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE SHOULDER ARE NO CLOSER THAN 10' TO CENTERLINE) THE SIGNS AND CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

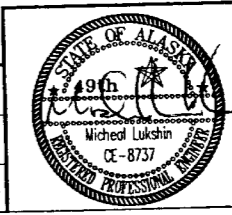
DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

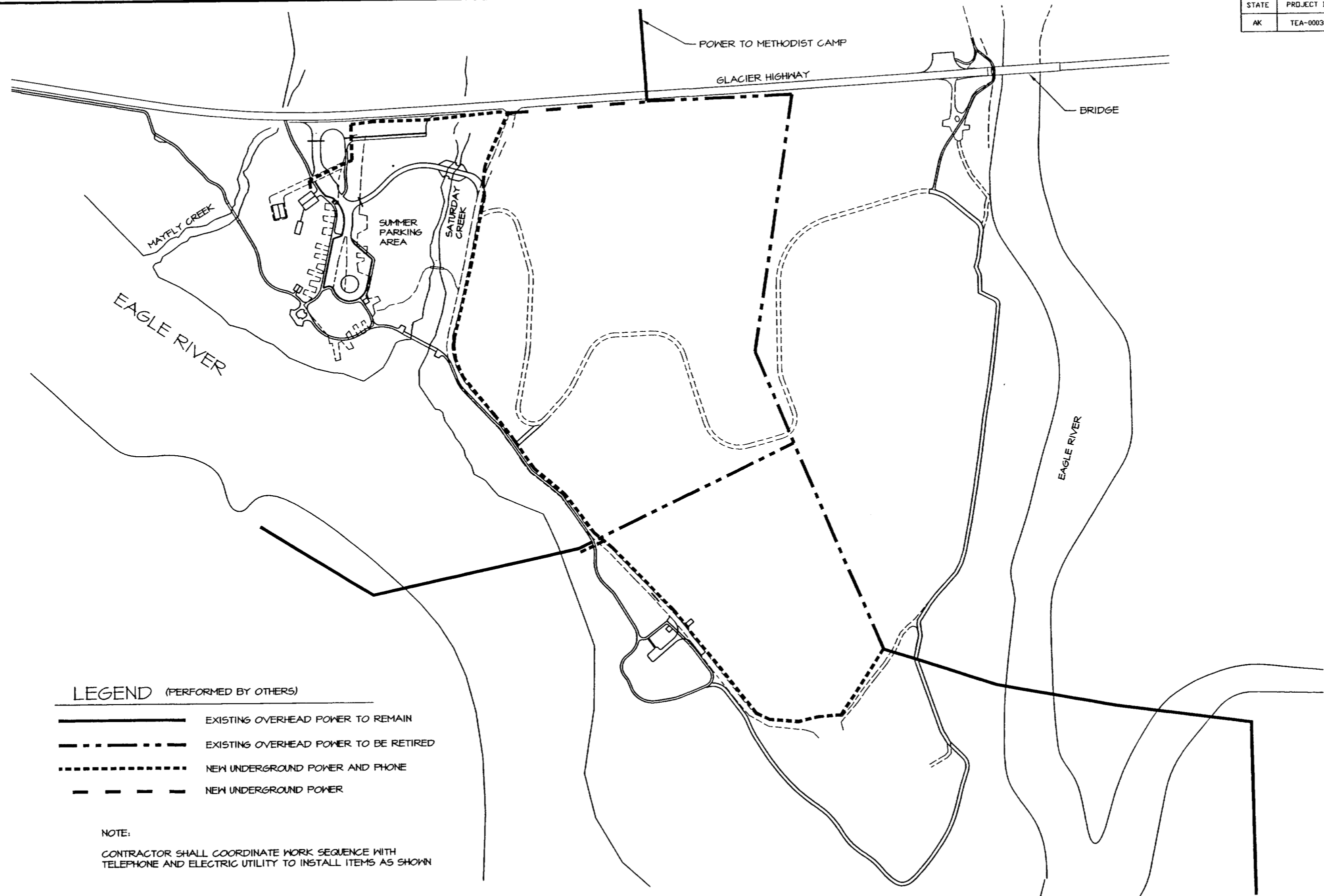
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU
EAGLE BEACH SRA
TRAILHEAD & WAYSIDE IMPROVEMENTS
FED. NO. ~ TEA-0003(61) 67593
TRAFFIC CONTROL PLAN

ALASKA
DESIGNED BY: K. MAITSON
DRAWN BY: B. BENNETT
CHECKED BY: M. LUKSHIN
PROJECT NO. 87593
DATE: 2001
SHEET 45 OF 46



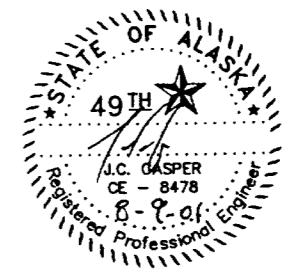
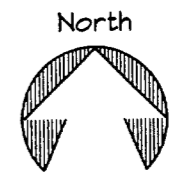
STATE	PROJECT DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
AK	TEA-0003(61)/67593	2000	46	46



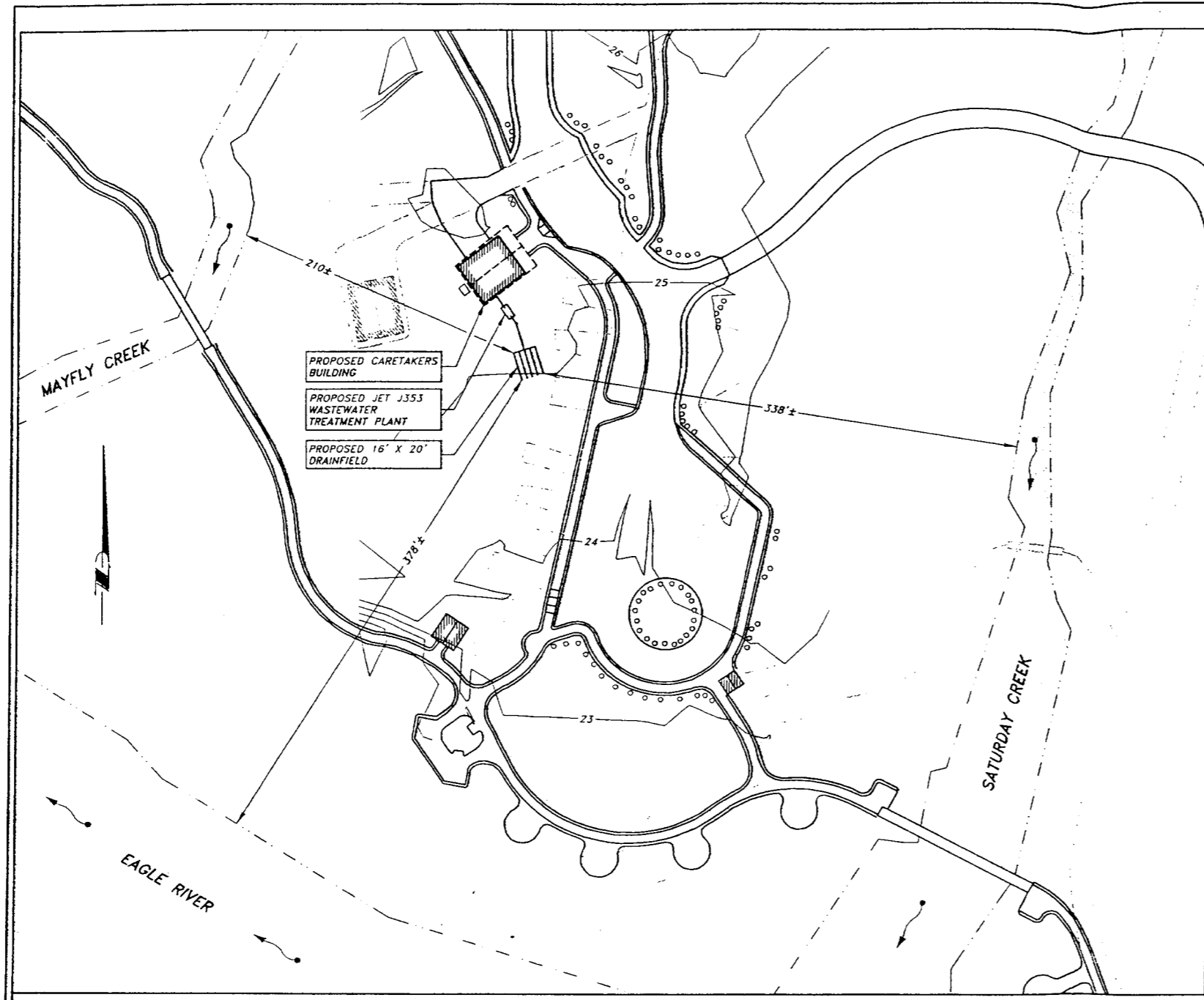
LEGEND (PERFORMED BY OTHERS)

_____ EXISTING OVERHEAD POWER TO REMAIN
 - - - - - EXISTING OVERHEAD POWER TO BE RETIRED
 NEW UNDERGROUND POWER AND PHONE
 - - - - - NEW UNDERGROUND POWER

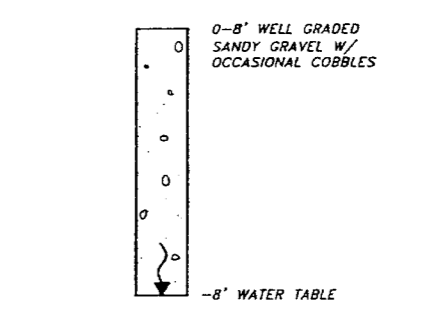
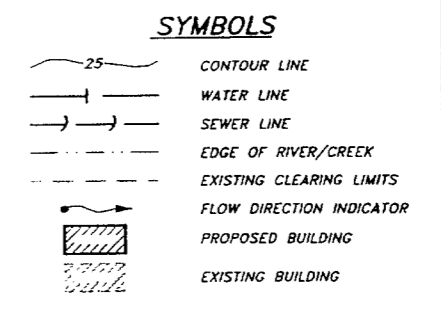
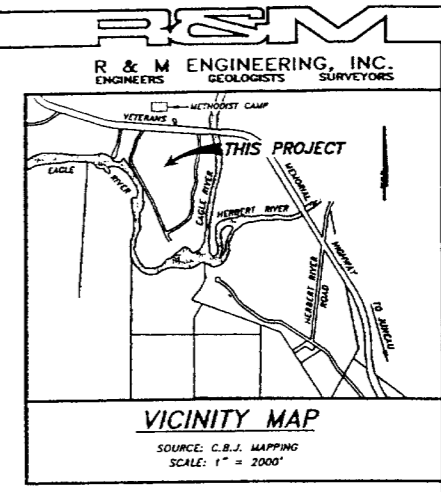
NOTE:
 CONTRACTOR SHALL COORDINATE WORK SEQUENCE WITH TELEPHONE AND ELECTRIC UTILITY TO INSTALL ITEMS AS SHOWN



DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS TEA-0003(61)/67593	UTILITIES PLAN	PREPARED: VE DRAWN: ME RJD REVIEWED: JC DATE: OCT 00	SHEET 46 OF 46 SHEETS
---	---	----------------	---	------------------------------------



- ### WASTEWATER NOTES
- 1) THE EXPECTED LIFE OF THE DRAIN FIELD IS APPROXIMATELY TWO TO FIVE YEARS. MAINTENANCE AND/OR REPLACEMENT MAY BE REQUIRED AT THAT TIME.
 - 2) THE JET-AIR TREATMENT PLANT OR A.D.E.C. APPROVED EQUAL SECONDARY TREATMENT SYSTEM SHALL BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S RECOMMENDATIONS. AT A MINIMUM THE TANK SHOULD BE PUMPED EVERY 12 MONTHS.
 - 3) ONE-INCH MINUS COARSE CONCRETE AGGREGATE MATERIAL SHALL BE USED AROUND THE PVC PERFORATED PIPE.
 - 4) PIPE LENGTHS AND SLOPES GIVEN ARE SUBJECT TO FIELD REVISIONS BASED ON ACTUAL FIELD CONDITIONS.
 - 5) ALL NEW PVC SANITARY SEWER PIPE SHALL HAVE WATER TIGHT JOINTS. CLEAN OUTS SHALL INCORPORATE 45° WYE FITTINGS AND THE CLEAN OUT CAPS INSTALLED FLUSH WITH FINISH GRADE.
 - 6) PROPERTY CORNERS AND PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION OF THE DRAIN FIELD AND JET-AIR PLANT.
 - 7) THE SOUTHEAST ALASKA METHODIST CAMP IS LOCATED APPROXIMATELY 500' TO THE NORTH, UP HILL OF THIS PROJECT SITE. THE SOUTHEAST ALASKA METHODIST CAMP IS ON PRIVATE WATER AND SEWER SYSTEMS.
 - 8) THE DRAIN FIELD SYSTEM SHALL BE TESTED WITH DYE PRIOR TO BACKFILLING. A 24 HOUR TIME PERIOD SHALL BE CHECKED WITH DYE WATER CONTINUALLY DISPOSED THROUGH THE SYSTEM. A.D.E.C. SHALL BE NOTIFIED PRIOR TO THIS WORK TAKING PLACE SO THEY CAN MAKE INSPECTION IF THEY SO DESIRE.
 - 9) POTABLE WATER FOR THIS PROJECT PROPOSED TO BE HAULED TO SITE AND PLACED IN WATER HOLDING TANK.
 - 10) CONTOUR MAPPING AND PROPOSED IMPROVEMENTS SHOWN DERIVED FROM DIGITIZING ALASKA D.N.R. CONSTRUCTION DOCUMENTS FOR "EAGLE BEACH SRA TRAILHEAD & WAYSIDE IMPROVEMENTS" PROJECT #TEA-000(91)/67593.
 - 11) DRAINFIELD SIZE SHOWN IS BASED ON CARETAKERS FACILITY HAVING TWO BEDROOMS AND USED AS A SINGLE FAMILY RESIDENCE.



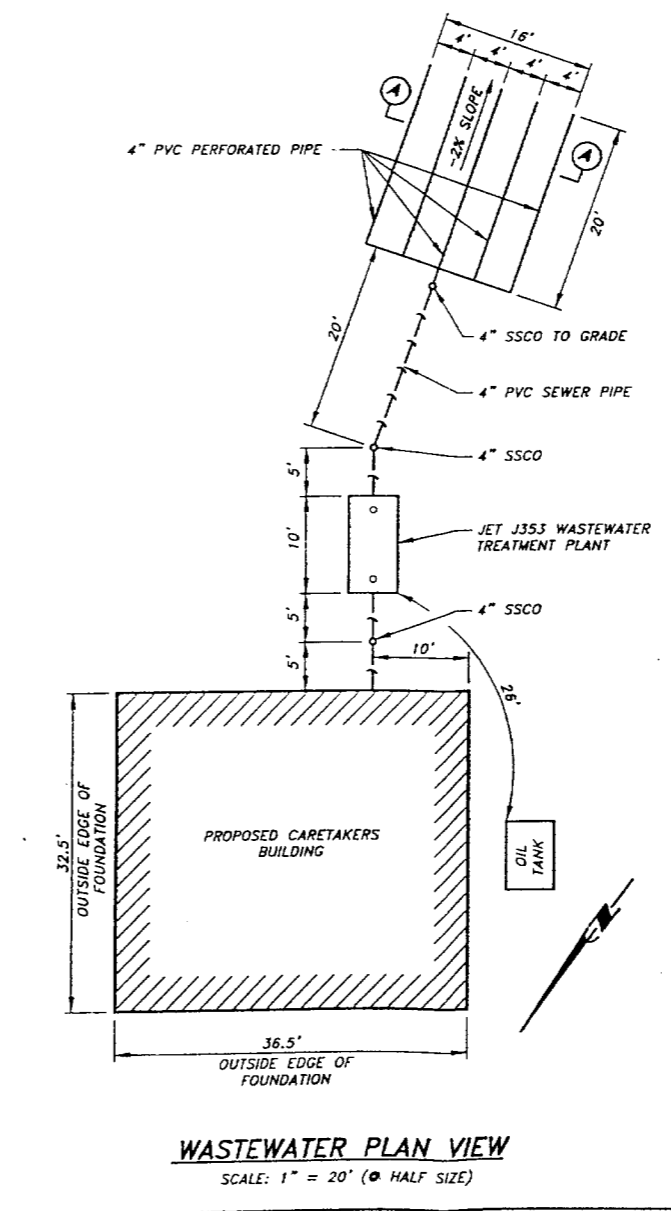
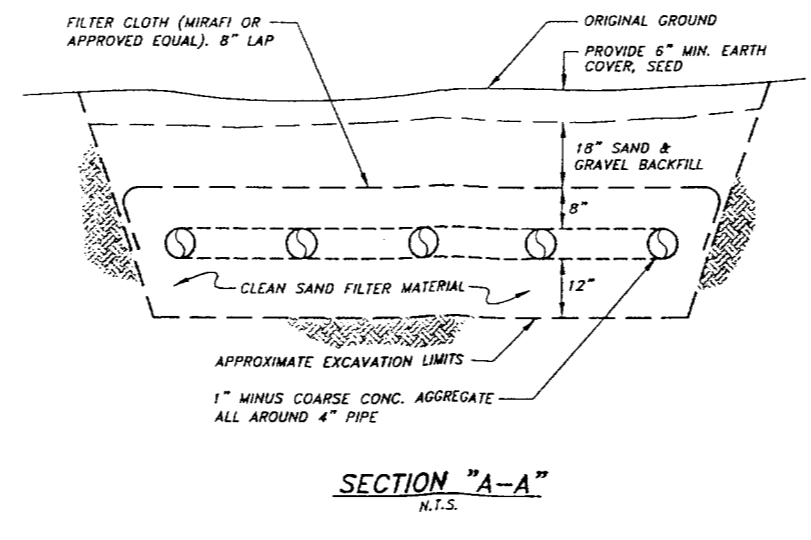
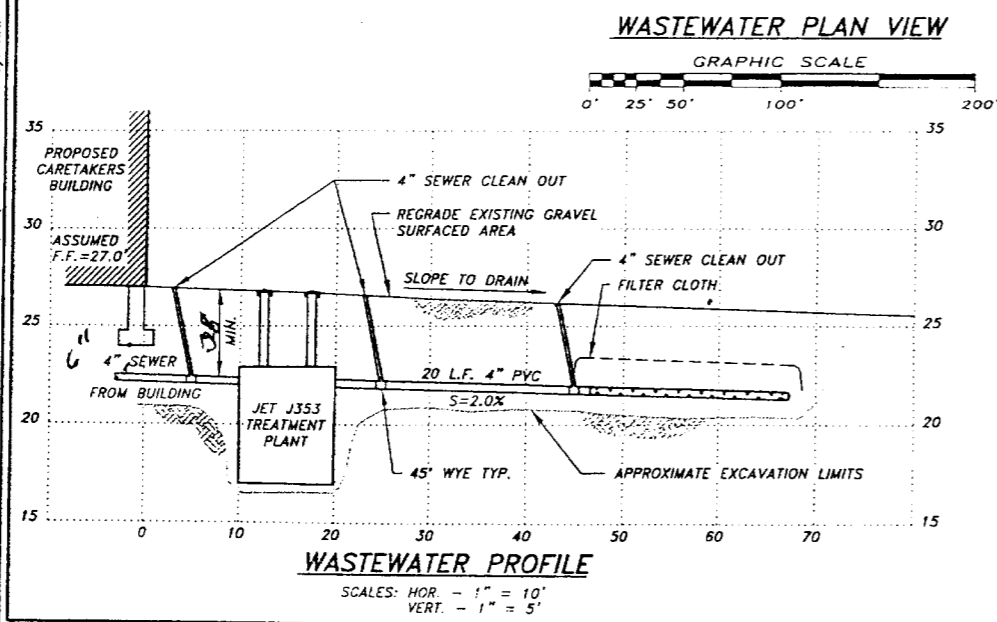
TEST HOLE LOG
N.T.S.
NOTE: INFORMATION PROVIDED BY GLACIER STATE CONTRACTORS

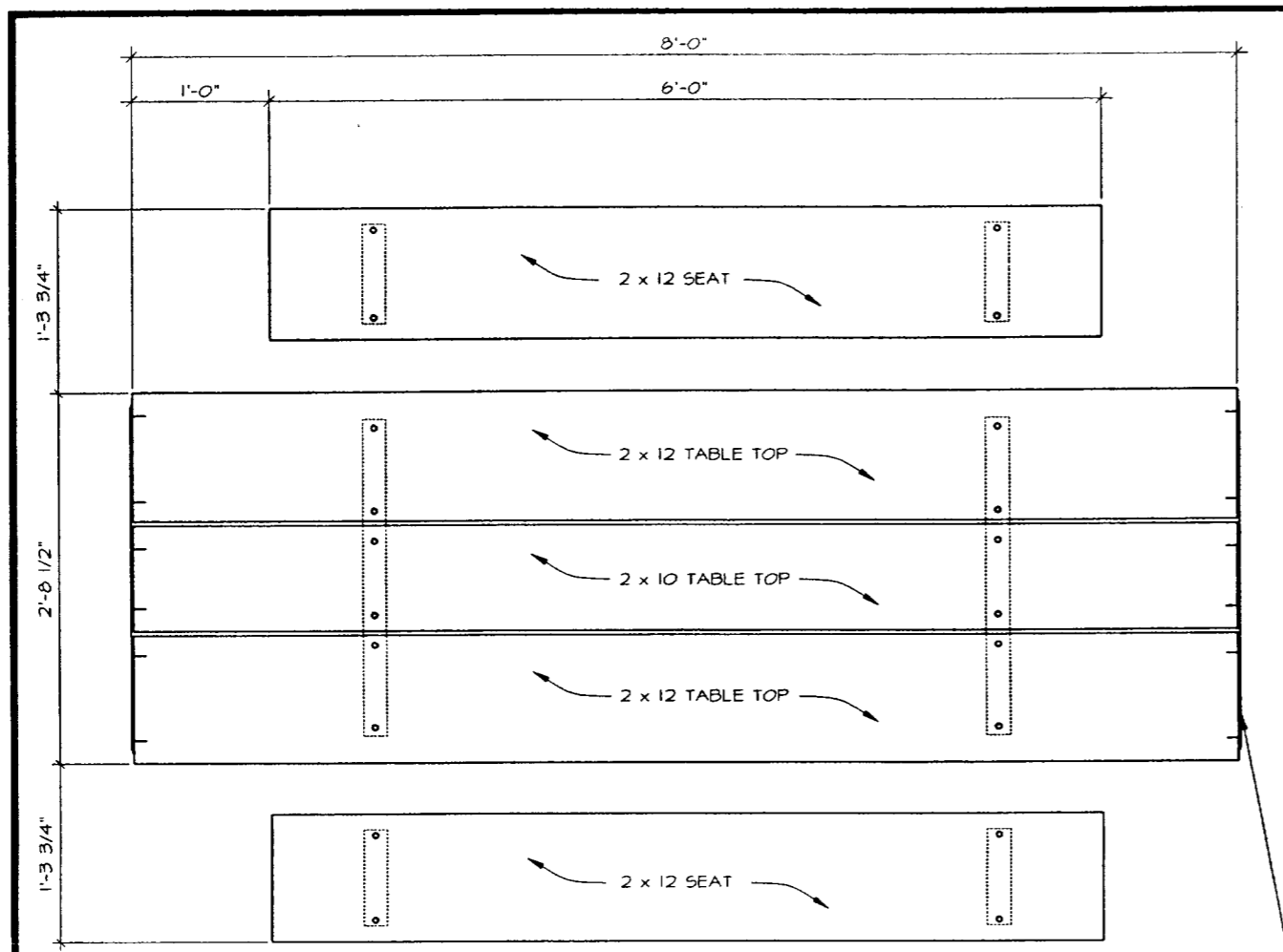


ON-LOT WASTEWATER TREATMENT PLAN FOR EAGLE BEACH CAMPGROUND CARETAKERS FACILITY

WITHIN SECTION 2, T.59S. R.64E.
CITY OF JUNEAU, ALASKA
CLIENT: GLACIER STATE CONTRACTORS
DESIGNED BY: R & M ENGINEERING, INC.
P.O. BOX 32874 JUNEAU, ALASKA 99803
DATE: JAN. 3, 2002
SHEET 1 OF 1
RAW PROJ. NO. 011466

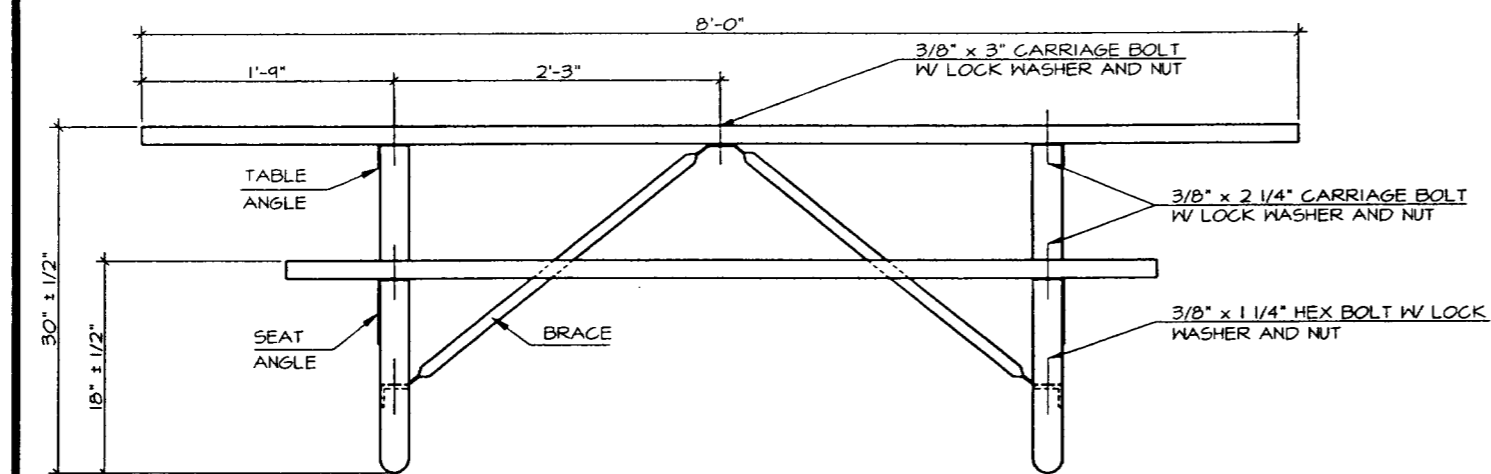
R:\2001\PROJ\011466\SEWER.DWG(1-40) PLOT: 01/04/02 09:00 AM BY: KAP



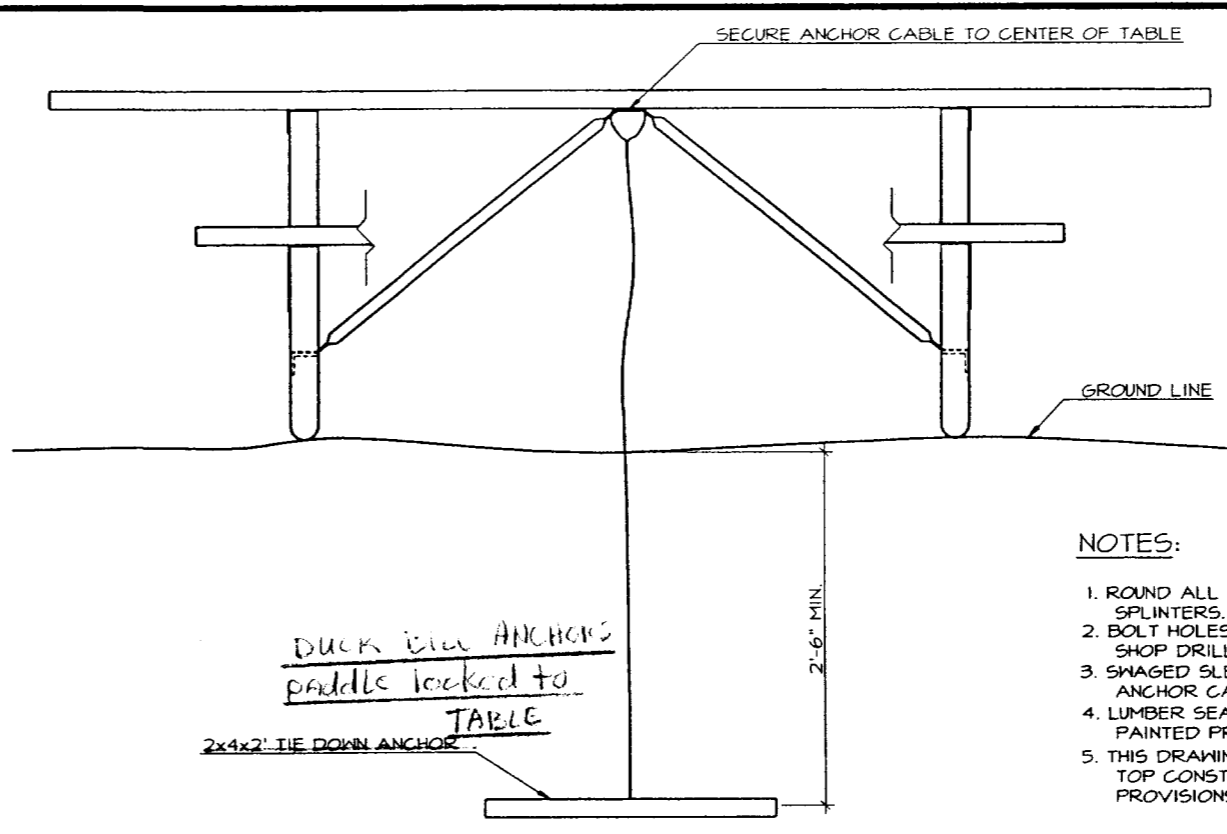


END STRAP (BOTH ENDS) SEE 5

1 TOP VIEW

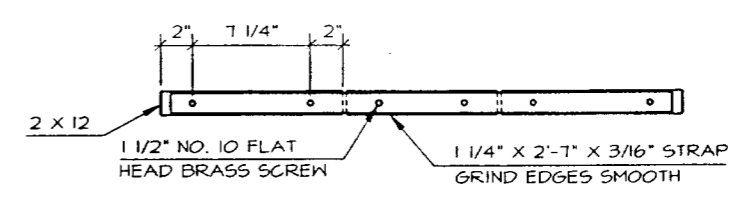


3 SIDE VIEW

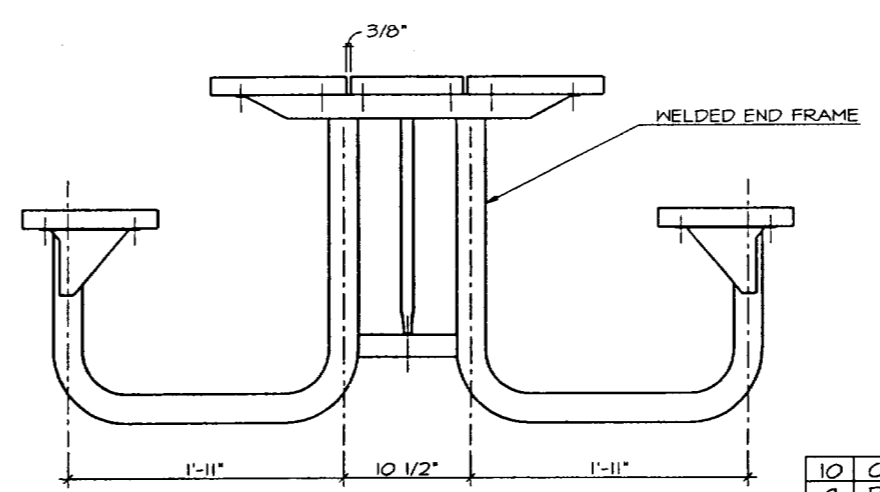


2 ANCHOR DETAIL

- NOTES:
1. ROUND ALL TABLE & SEAT EDGES TO AVOID SPLINTERS.
 2. BOLT HOLES FOR TABLE TOP & SEATS TO BE SHOP DRILLED.
 3. SHAGED SLEEVES SHALL BE USED TO FASTEN ANCHOR CABLE.
 4. LUMBER SEATS AND TABLE TOPS WILL BE PAINTED PRIOR TO ASSEMBLY.
 5. THIS DRAWING ILLUSTRATES SEAT & TABLE TOP CONSTRUCTION. REFER TO SPECIAL PROVISIONS FOR FRAME STYLES & MODELS.



5 END STRAP



4 END VIEW



NO.	REVISION	DATE	APPROVED
10	CHANGED FRAME/REMOVED DETAILS	12/97	DH
9	REM. SCALES, MAT. LIST, & REV. NOTES	10/97	DH
8	REDRAWN TO ELECTRONIC MEDIA	11/95	DH
7	ACCESSIBLE TERMINOLOGY	5/95	DH
6	REMOVED SUPPLIERS	4/93	DH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

DESIGN & CONSTRUCTION SECTION

PICNIC TABLE

PREPARED: GLD
DRAWN: BD FN
REVIEWED: DH
DATE: JAN 83

SHEET 1
C-1
OF 1 SHEETS

LEGEND & ABBREVIATIONS

- CONDUIT w/*2 AWG CONDUCTORS, UON. SLASHES DENOTE QUANTITY OF CONDUCTORS IF NOT TWO. SHARED NEUTRALS SHALL BE #10 AWG.
- DUPLEX RECEPTACLE: 18" AFF, UON
- RAISED HEIGHT RECEPTACLE: 48" AFF, UON
- SPLIT SWITCHED RECEPTACLE: 18" AFF, UON
- DOUBLE DUPLEX RECEPTACLE: 18" AFF, UON
- 250V RECEPTACLE (RANGE or DRYER)
- SINGLE POLE SWITCH: 48" AFF, UON
- THREE-WAY SWITCH: 48" AFF, UON
- TIMER SWITCH: 48" AFF, UON
- FLUORESCENT SURFACE WRAPAROUND, TYPE A
- WALL MOUNT FLUORESCENT, TYPE B
- DOWNLIGHT, TYPES C & D
- EMERGENCY LIGHT, TYPE E
- WALL MOUNT LIGHT, TYPE F
- JUNCTION BOX
- MOTOR CONNECTION
- DISCONNECT SWITCH
- PANELBOARD
- TELEPHONE RECEPTACLE: 18" AFF, UON
- TELEVISION RECEPTACLE: 18" AFF, UON
- 120V SMOKE DETECTOR w/BATTERY BACK-UP

- AFF ABOVE FINISHED FLOOR
- DW DISH WASHER
- EF EXHAUST FAN
- GD GARBAGE DISPOSAL
- GFI GROUND FAULT INTERRUPTER
- GND GROUND
- L-n TELEPHONE CIRCUIT NOTATION
- LTG LIGHTING
- PE PHOTOELECTRIC CELL
- REC RECEPTACLE
- RHF RANGE HOOD FAN
- SH SPACE HEATER
- TTB TELEPHONE TERMINATION BOARD
- UON UNLESS OTHERWISE NOTED
- WH WATER HEATER
- WP WEATHERPROOF

NOTES and SPECIFICATIONS

1. Provide all work as shown on the drawings and described in these notes for a complete, safe and functional installation. Unless otherwise noted, all material shall be of new manufacture and of the manufacturer's standard construction. All material shall be approved by Underwriters Laboratories (UL) and so noted.
2. All work shall comply with the latest approved editions of:
 - The National Electrical Code (NEC)
 - The National Fire Protection Association Codes (NFPA)
 - The International Building Code (IBC)
 - The International Residential Code (IRC)
 - The Americans with Disabilities Act (ADA)
 All applicable Federal, State and Local regulations
3. Provide two sets of as-built drawings at project completion. Minimize and seal penetrations of the vapor barrier caused by the electrical installation. Label all panelboards, circuit breakers, junction boxes, controls, etc. Provide an accurate, typed circuit directory for the panelboard.
4. The contractor shall coordinate installation of the power, telephone and cable television services with the serving utilities and shall comply with their requirements. Service shall be provided by the Alaska Electric Light and Power Company to the service equipment. Contractor shall provide 200 ampere rated equipment with two (2) copper plated ground rods (10" x 3/4") and appropriate grounding electrode conductor (#4 copper). Bond the cold water piping, grounding electrodes, ground bus and neutral conductor.
5. Raceway systems, where used, shall be EMT for feeder, telephone and cable television circuits and rigid steel for the service entrance. Schedule 80 PVC is acceptable for underground runs where permitted by the NEC. Type NMC cable is acceptable for interior work where approved by the local authority, the Owner and the NEC.
6. All conductors shall be copper. Conductors in raceways shall have type THW or THHN/THWN insulation for inside work and type XHHW for exterior work. Boxes shall be plastic or steel with appropriate plaster rings. All wiring devices shall be specification grade, screw connected, ivory, with matching nylon plates. Provide a manual starter/disconnect for all motor loads.
7. Provide 120 volt with battery backup, independent operation, residential-style smoke detectors with interconnecting wiring to provide a common alarm. Provide a dedicated circuit to feed the detectors, marked in red and equipped with a handle lock-off.
8. For each telephone and cable television receptacle provide a deep 4" square box, single gang plaster ring and a 3/4" conduit to the respective termination board or the accessible crawl space below the floor. Include a pull string in each raceway system for installation of cables by others.
9. Total Connected Load for the facility is 216 kVA. Actual Demand Load for the facility is 13.7 kVA.

*Approved 1/31/02
subject to
changes E3
Mud*

CKT #	WIRE Qty/Size	CIRCUIT DESCRIPTION	SIZE		120/240 V		MAIN		MOUNT / LOCATION		SHORT CKT	
			200 amps		IP, 3W		LUGS		SURFACE / MECHANICAL		10000 A	
			BRKR Amp/ Pole	CKT	K	V	A	BRKR Amp/ Pole	CKT	WIRE Qty/Size	CKT #	
1	2#12	LTG - Bedrooms, Bath, Hall, Kitchen	20/1	10	22		12	20/1				2
3	2#12	LTG - Office, Entry, Mechanical, Exterior	20/1	10		1.6	0.6	20/1				4
5	2#12	REC - Accessible Bedroom	20/1	0.8	14		0.6	20/1				6
1	2#12	REC - Bathroom	20/1	1.5		1.9	0.4	20/1				8
9	2#12	REC - Bedroom, Hall	20/1	1.0	22		1.2	20/1				10
11	2#12	REC - Office, Space Heater	20/1	1.2		1.2	0.0	20/1				12
13	2#12	REC - Office, Entry, Mechanical, Exterior	20/1	1.0	1.0		0.0	20/1				14
15	2#12	REC - Kitchen, Dining	20/1	1.5		4.2	2.1	30/2				16
11	2#12	REC - Kitchen Counter	20/1	1.5	4.2		2.1	-				18
19	2#12	REC - Kitchen Counter, Refrigerator	20/1	1.5		1.5	0.0	50/2				20
21	2#12	Smoke Detectors	20/1	0.2	0.2		0.0	-				22
23		Spare	20/1	0.0		0.0	0.0	-				24
25				0.0	0.0		0.0	-				26
27				0.0	0.0		0.0	-				28
29				0.0	0.0		0.0	-				30
31				0.0	0.0		0.0	-				32
33				0.0	0.0		0.0	-				34
35				0.0	0.0		0.0	-				36
TOTAL CONNECTED LOAD (kVA):			216			112	10.4		ACTUAL DEMAND LOAD (kVA):			13.7

GORMAN ENGINEERS
 500 GLACIER AVENUE, SUITE E
 JUNEAU, ALASKA 99801
 PHONE: 462-6701 FAX: 586-8276
 e-mail: pgorman@alaska.net

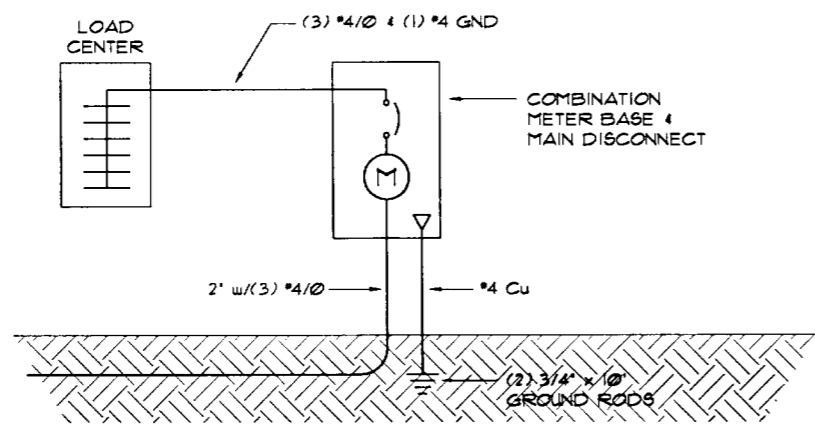
ALASKA ELECTRIC & CONTROL
 1000 UNIVERSITY DRIVE
 JUNEAU, ALASKA 99801
 PHONE: 462-7864
 FAX: 907-586-4299

Caretaker Cabin/Visitor Contact Station
 State of Alaska Trailhead & Wayside Improvements
 TEA-0003(61)/Project No. 67593
 Eagle Beach, Alaska

SHEET TITLE:
 SINGLE LINE,
 SITE PLAN,
 SCHEDULE,
 NOTES

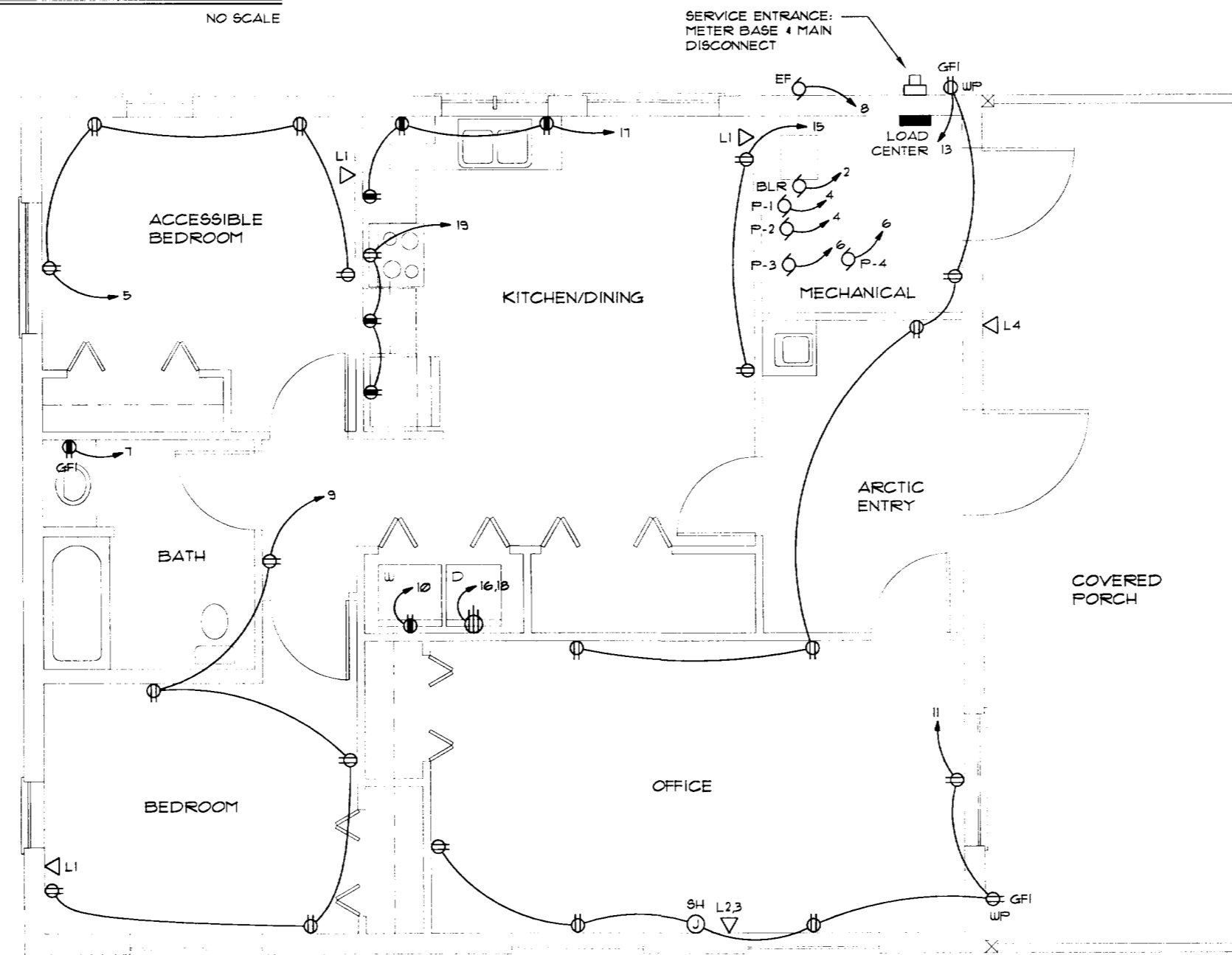
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 SCALE: AS SHOWN
 DRAWN: PG
 CHECKED: PG

SHEET NO.
E1



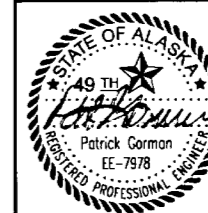
SINGLE LINE DIAGRAM

NO SCALE



POWER & SIGNAL PLAN

SCALE: 0 2' 4' 8'



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 FAX: 807-780-4250

Caretaker Cabin/Visitor Contact Station
 State of Alaska Trailhead & Wayside Improvements
 TEA-0003(61)/Project No. 67593
 Eagle Beach, Alaska

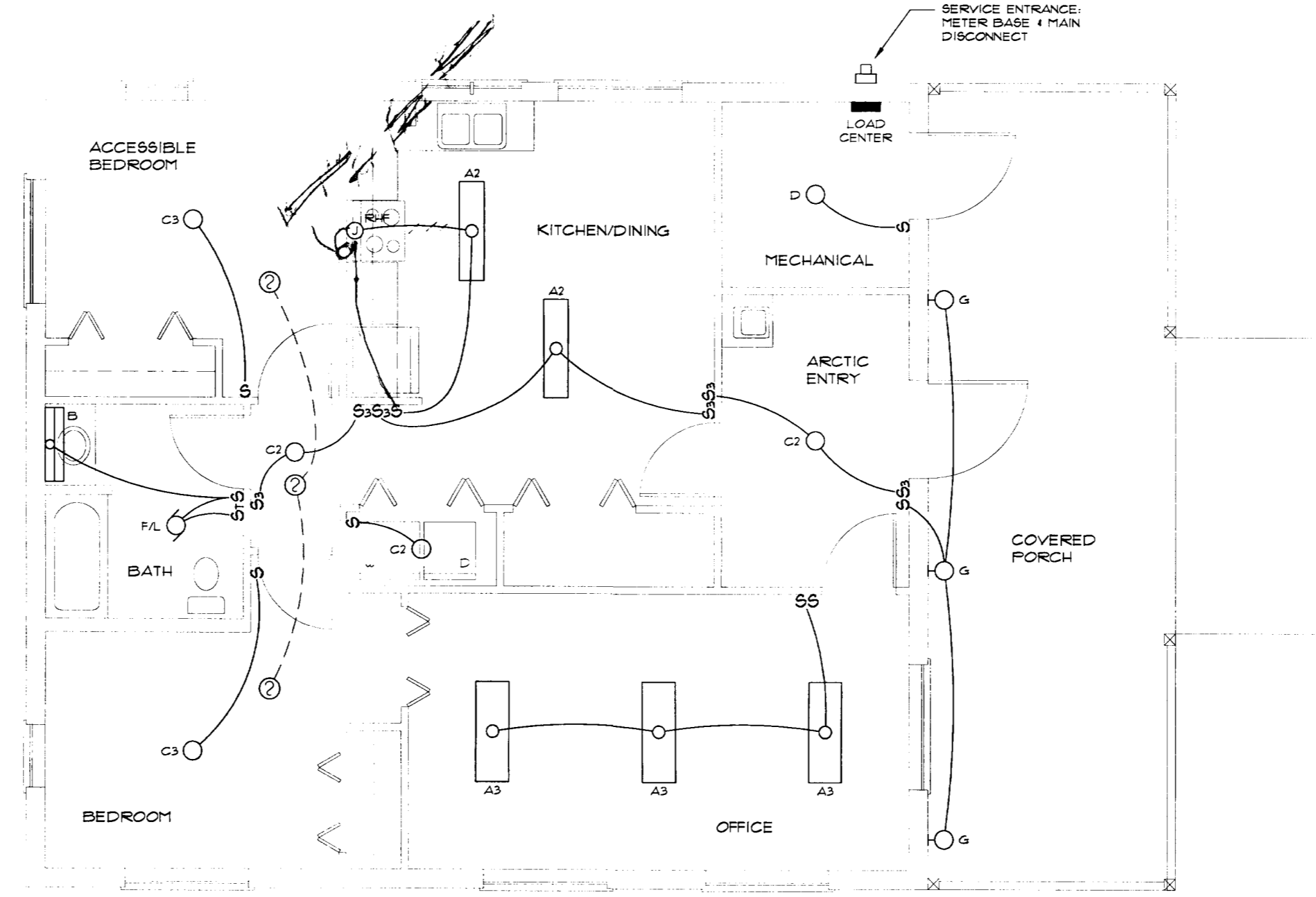
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POWER & SIGNAL PLAN

DATE: 28 JANUARY, 2002
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 CHECKED: PG

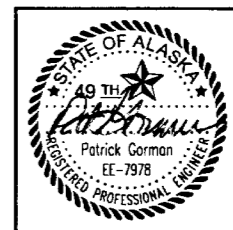
SHEET NO.
E2

LUMINAIRE SCHEDULE			
TYPE	DESCRIPTION	LAMP(S)	REMARKS
A2,3	Fluorescent surface modular w/wraparound low brightness acrylic refractor	(2) X 7 F32T8 SP35	Equip w/electronic ballasts
B	Fluorescent wall bracket with up and down light, extruded aluminum housing	(2) F32T8 SP35	Equip w/electronic ballast.
C2,3	Interior decorative incandescent (two and three lamp)	(2) X 3) 60W A-19	
D	Interior incandescent w/high impact plastic housing & polycarbonate domes	(2) 60W A-19	
F/L	Recessed combination 70 cfm exhaust fan and 250 watt infrared heat lamp	(1) 250W Infrared	Provide 15 minute timer switch for heat lamp.
G	Polycarbonate square exterior wall mount w/white polycarbonate or glass lens	(1) 70W Metal Halide	Equip w/photocell & motion detector.

A2, A3: must be 48" lamp fixtures



LIGHTING PLAN
SCALE: 0 2' 4' 8'



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 E-MAIL: pgorman@pacbell.net

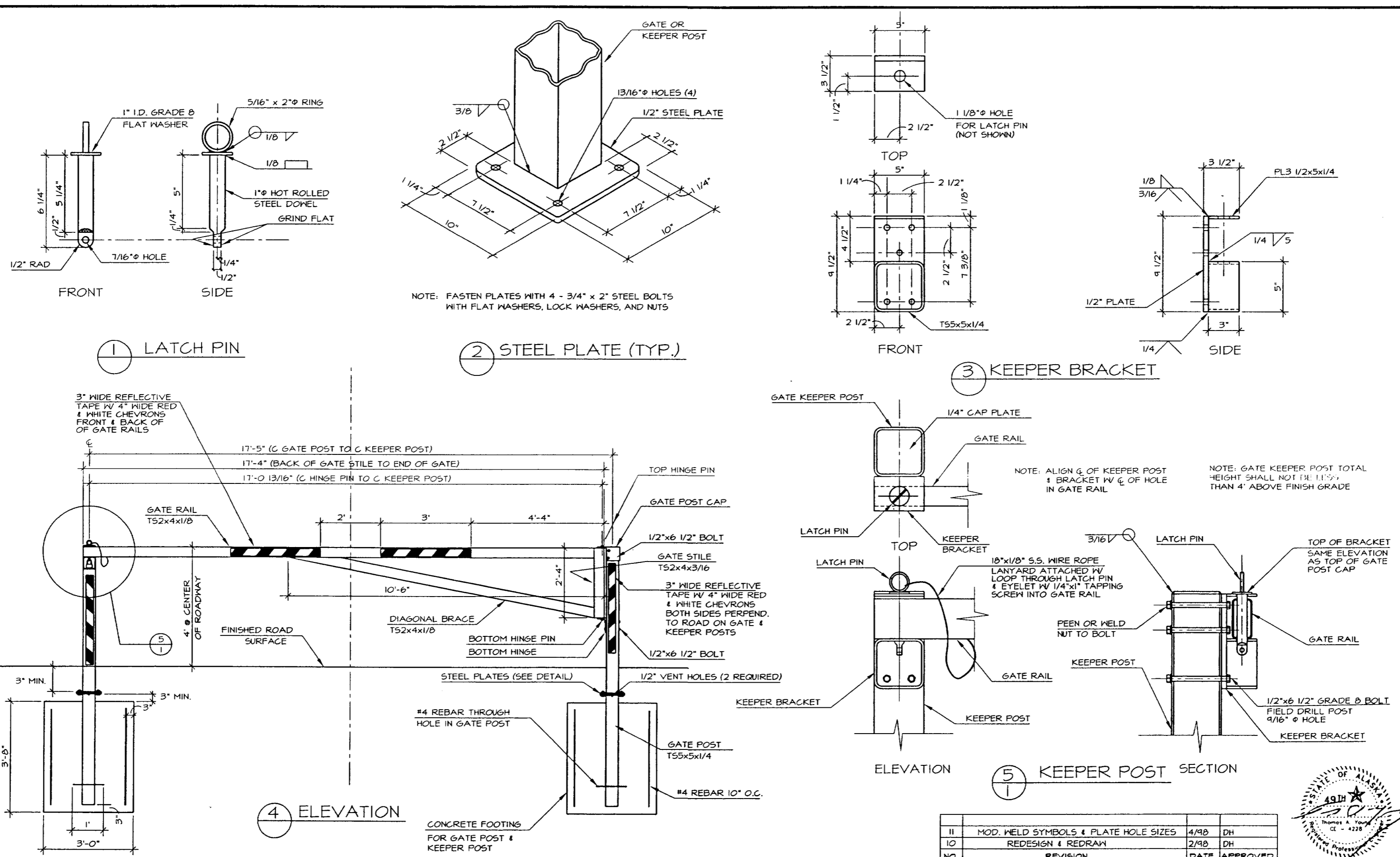
ALASKA ELECTRIC & CONTROL
 10004 GLACIER HIGHWAY
 JUNEAU, ALASKA 99801
 PHONE: 907-780-4252
 FAX: 907-780-4280

Caretaker Cabin/Visitor Contact Station
 State of Alaska Trailhead & Wayside Improvements
 TEA-0003(61)/Project No. 67593
 Eagle Beach, Alaska

SHEET TITLE:
LIGHTING PLAN

DATE: 28 JANUARY, 2002
 SCALE: AS SHOWN
 DRAWN: RG, PG
 CHECKED: PG

SHEET NO.
E3



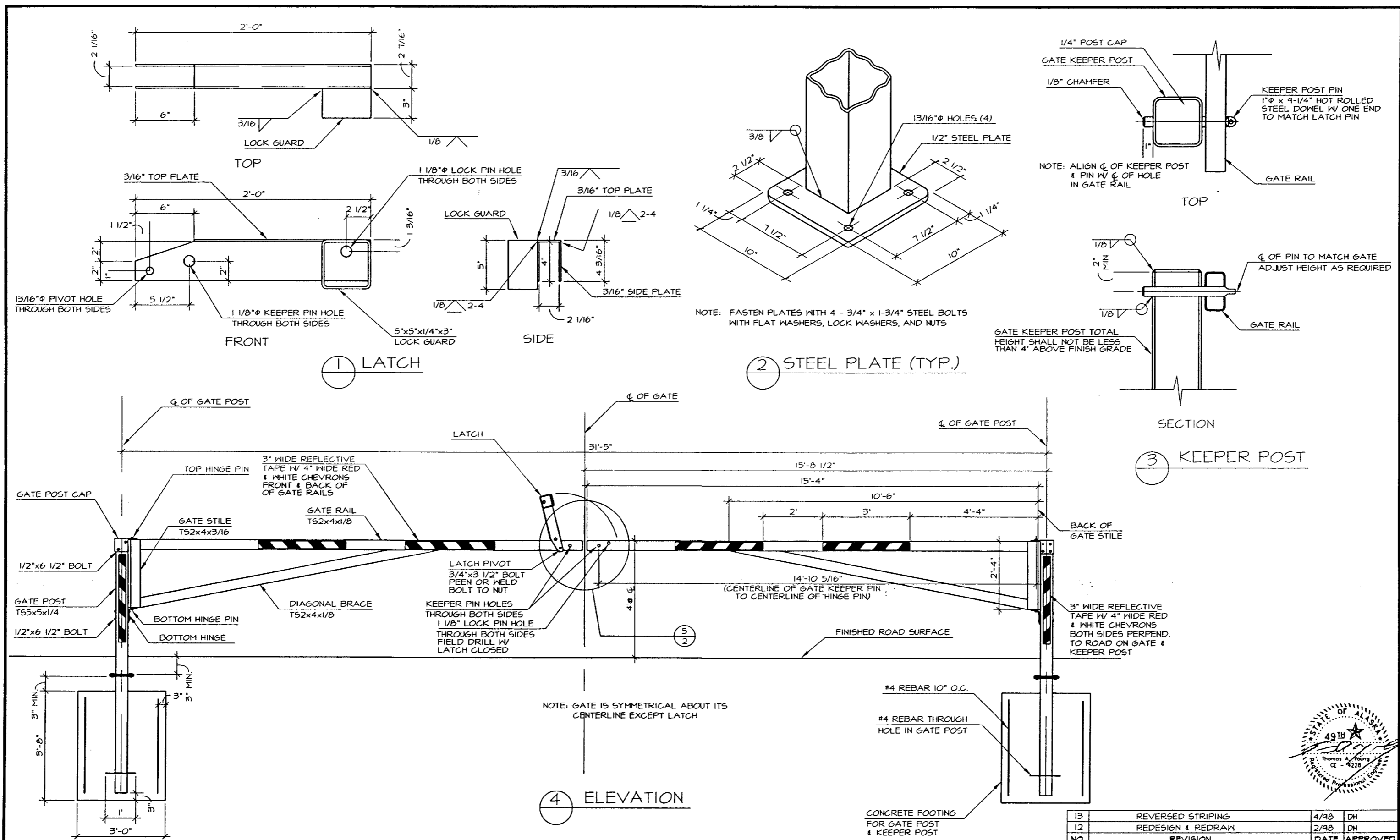
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

DESIGN & CONSTRUCTION SECTION

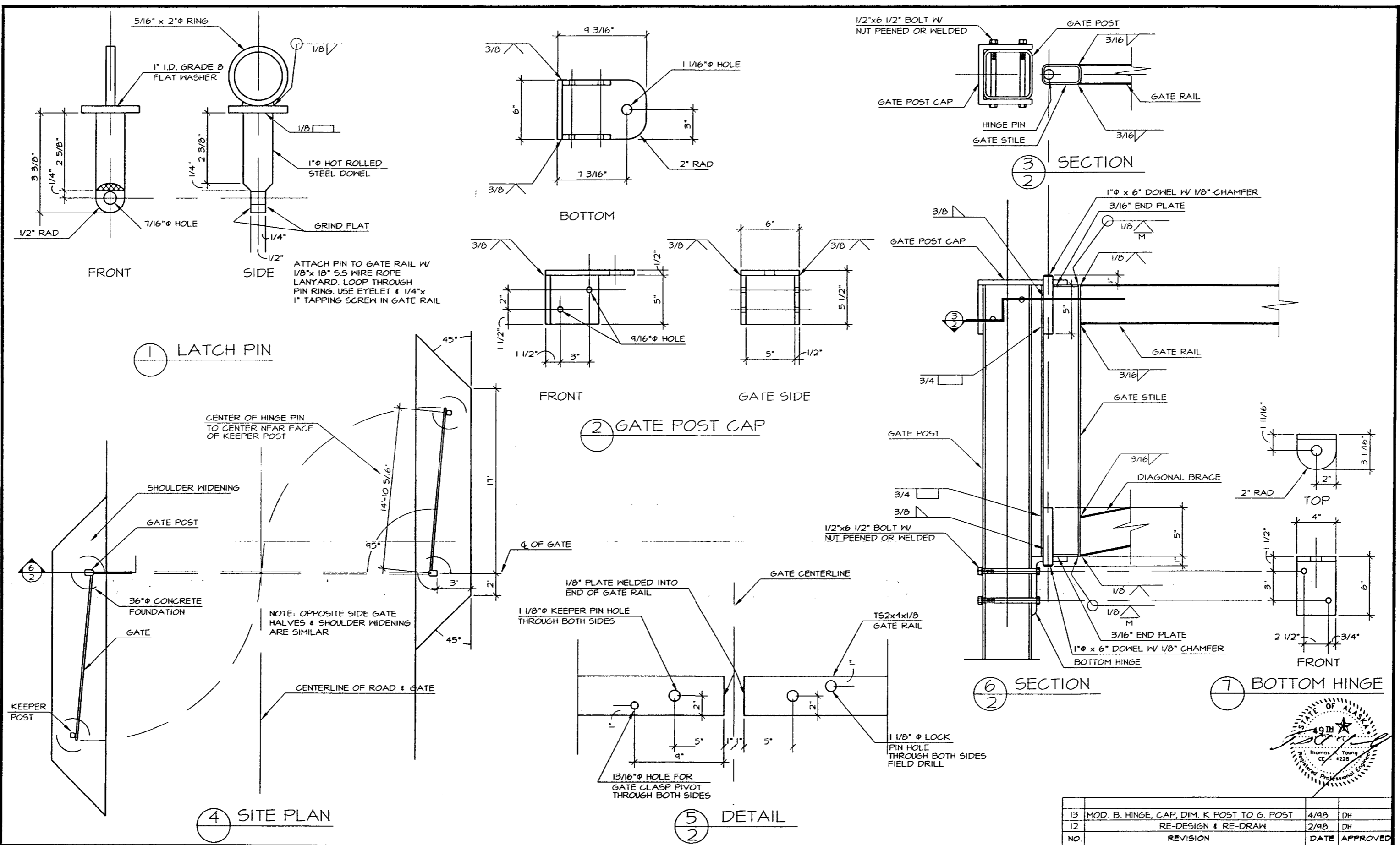
SINGLE GATE

PREPARED:
DRAWN: RK
REVIEWED: DH TY
DATE: 10/14/05

SHEET 1
6-1
OF 2 SHEETS



13	REVERSED STRIPING	4/98	DH
12	REDESIGN & REDRAW	2/98	DH
NO.	REVISION	DATE	APPROVED



NO.	REVISION	DATE	APPROVED
13	MOD. B. HINGE, CAP, DIM. K. POST TO G. POST	4/98	DH
12	RE-DESIGN & RE-DRAW	2/98	DH

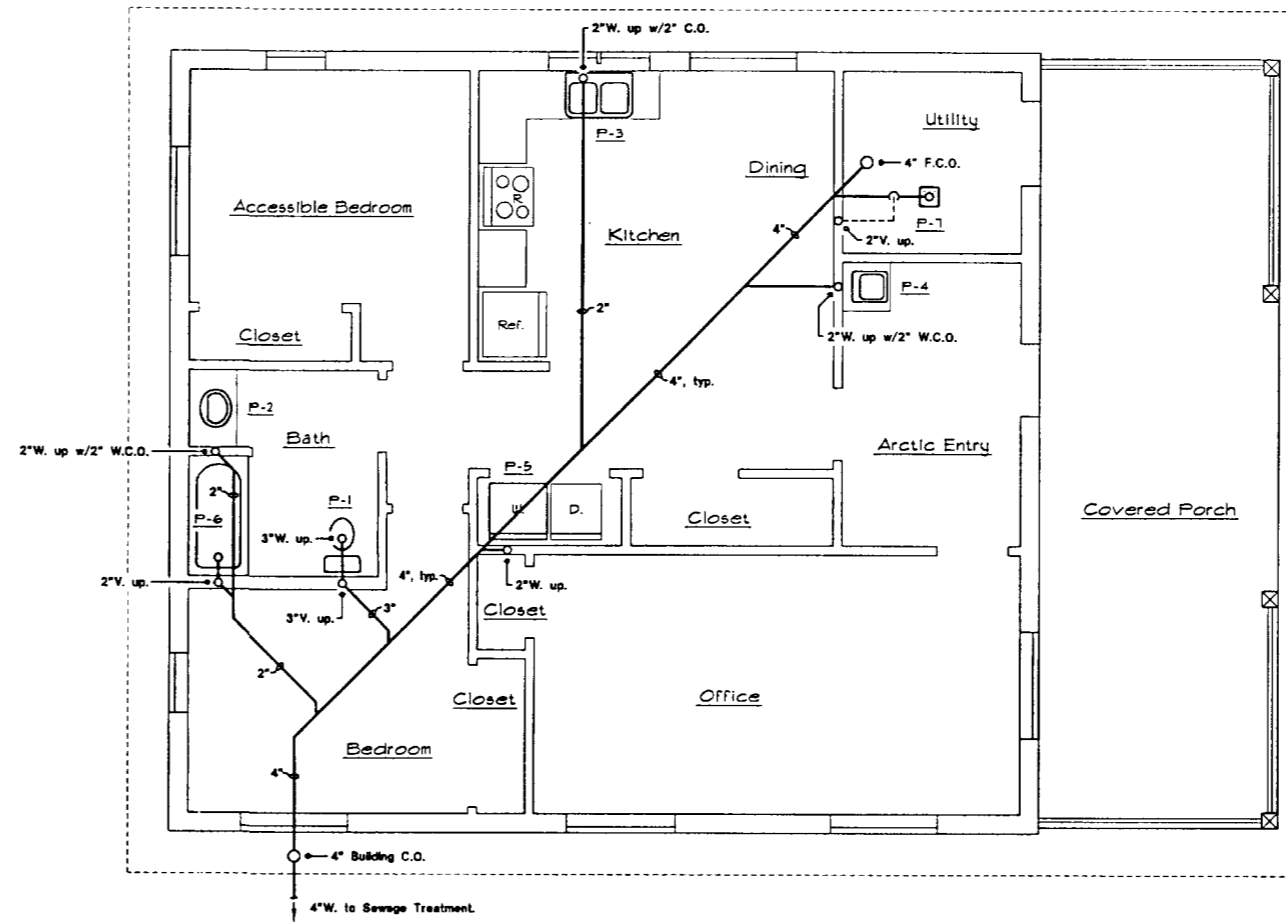
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

DESIGN & CONSTRUCTION SECTION

DOUBLE GATE

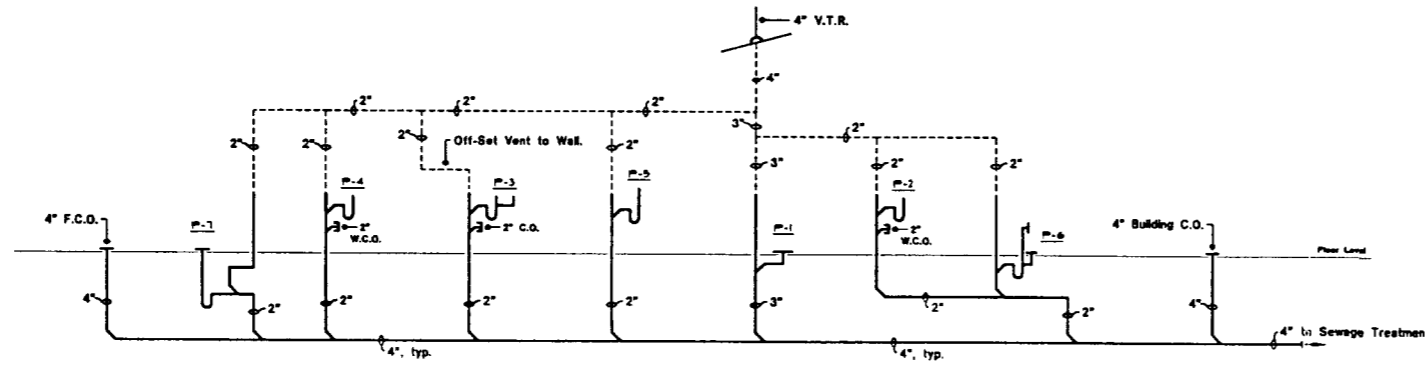
PREPARED: SHEET 2
DRAWN: RK
REVIEWED: DH TY
DATE: 10/14/85
G-2 A
OF 2 SHEETS

PLUMBING FIXTURE SCHEDULE (cont.)							
SYMBOL	FIXTURE	TRAP/TRAP ARM	WASTE	VENT	HW	CW	REMARKS
P-1	Water Closet	3"	3"	3"	-	1/2"	Kohler K-3427, floor-mount, flush tank, handicapped style, 17" rim height.
P-2	Lavatory	1 1/4"	2"	2"	1/2"	1/2"	Edge 3004, counter-top, 17" x 20".
P-3	Kitchen Sink	1 1/2"	2"	2"	1/2"	1/2"	Edge L8322, S.S., counter-top, two-bowl.
P-4	Sink	1 1/2"	2"	2"	1/2"	1/2"	Juel, S.S., counter-top, 15" x 15".
P-5	Washer Outlet	2"	2"	2"	1/2"	1/2"	Daley, w/shut-off valves.
P-6	Tub	1 1/2"	2"	2"	1/2"	1/2"	Fiber Fab 100K.
P-7	Floor Sink	2"	2"	2"	-	-	Zum Z-1800, 9" square interior, 8" deep, porcelain-enamelled interior, half grate, internal dome strainer.
P-8	Hydrant	-	-	-	-	3/4"	Frost-free.



Floor Plan -- Waste Plumbing

Scale: 1/4" = 1'-0"



Waste Plumbing Schematic

No Scale



REDUCED DRAWING SET: Half Size.

*Approved
M. S. Hill*

REVISIONS	BY

A. W. Hanger, P.E.
MECHANICAL ENGINEER
P.O. Box 210197
Anchorage, Alaska 99521 907/789-8018

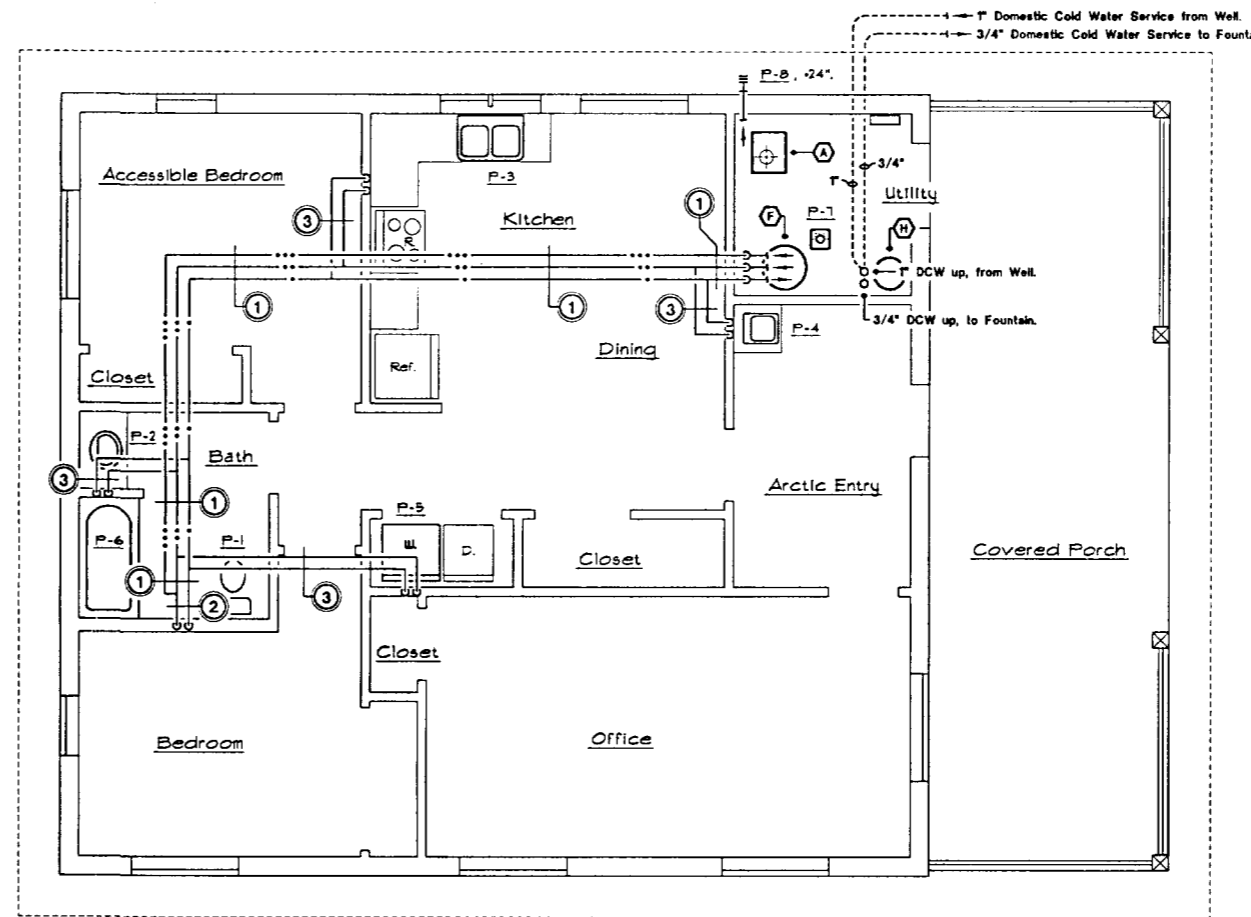
Mechanical Design
Caretaker Cabin/Visitor Contact Station
State of Alaska Trailhead & Wayside Improvements
TEA-0003(e)/Project No. 6-1593 Eagle Beach, Alaska

Date: Dec. 14, 2001
Drawn: A. W. Hanger
Checked: A. W. Hanger
Title:
**Floor Plan
Waste
Plumbing**

M-1 of **4**

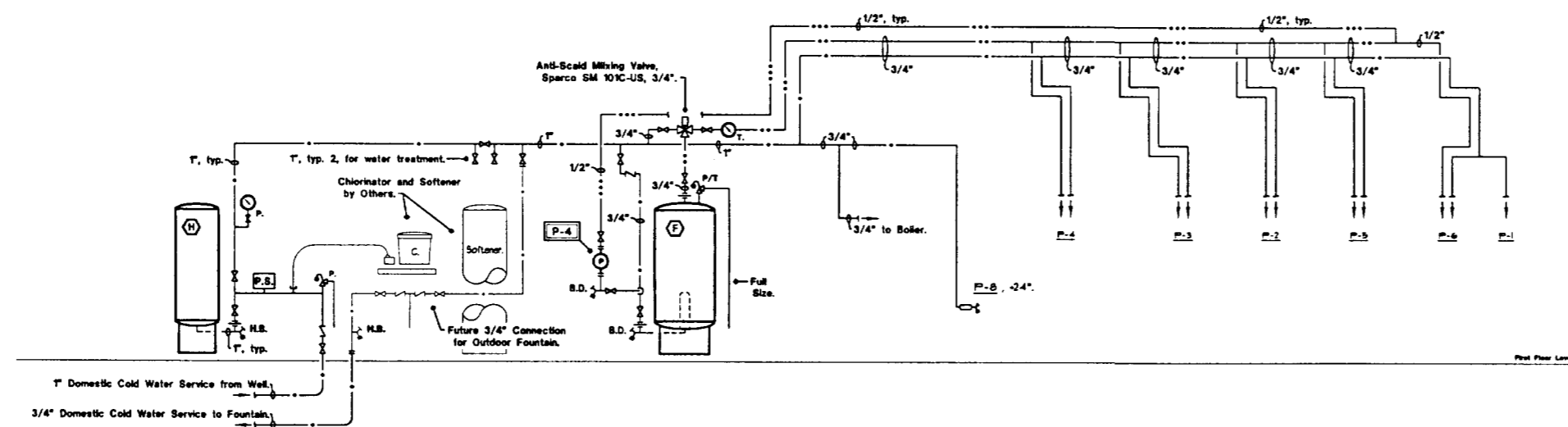
DOMESTIC WATER DISTRIBUTION LINE SIZES:

Symbol	DCW	DHW	DHWC
①	3/4"	3/4"	1/2"
②	3/4"	1/2"	--
③	1/2"	1/2"	--



Floor Plan -- Domestic Water Piping

Scale: 1/4" = 1'-0"



Domestic Water Piping Schematic

No Scale



REDUCED DRAWING SET: Half Size.

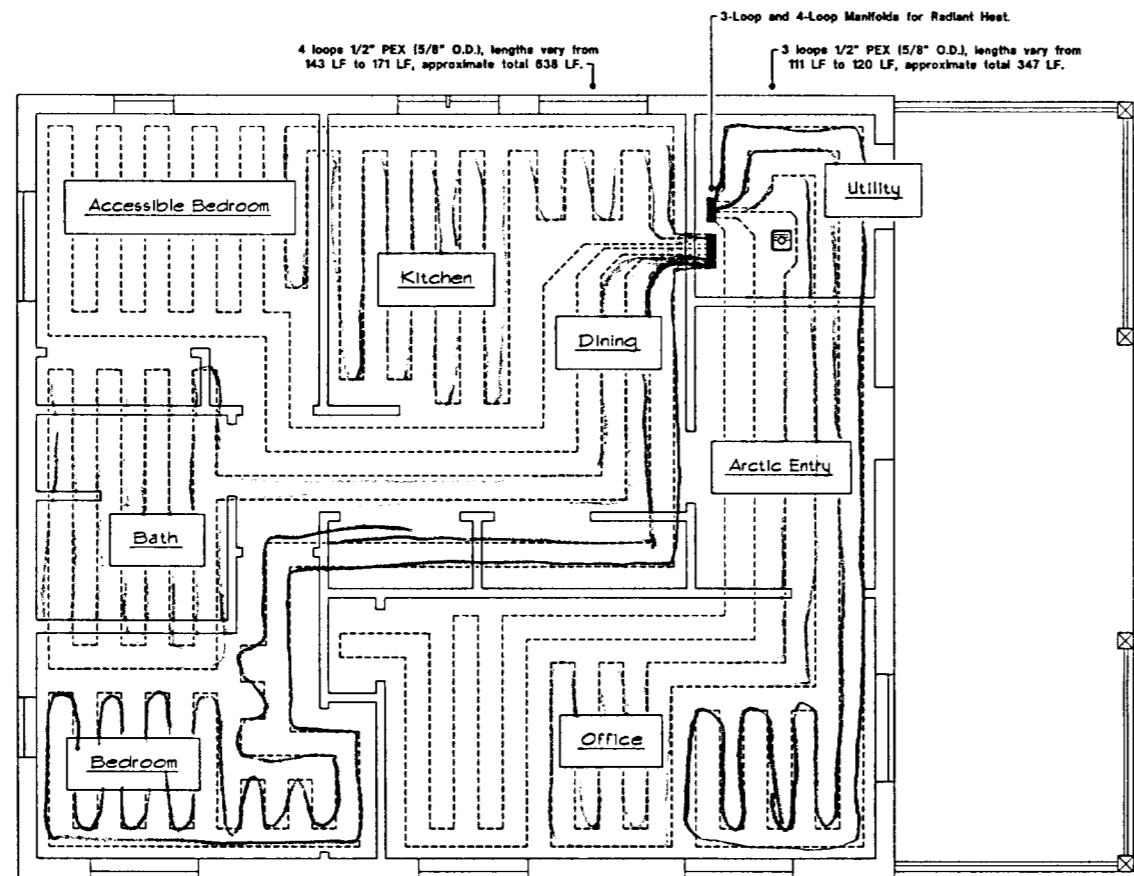
Provide under floor supply lines

REVISIONS	BY

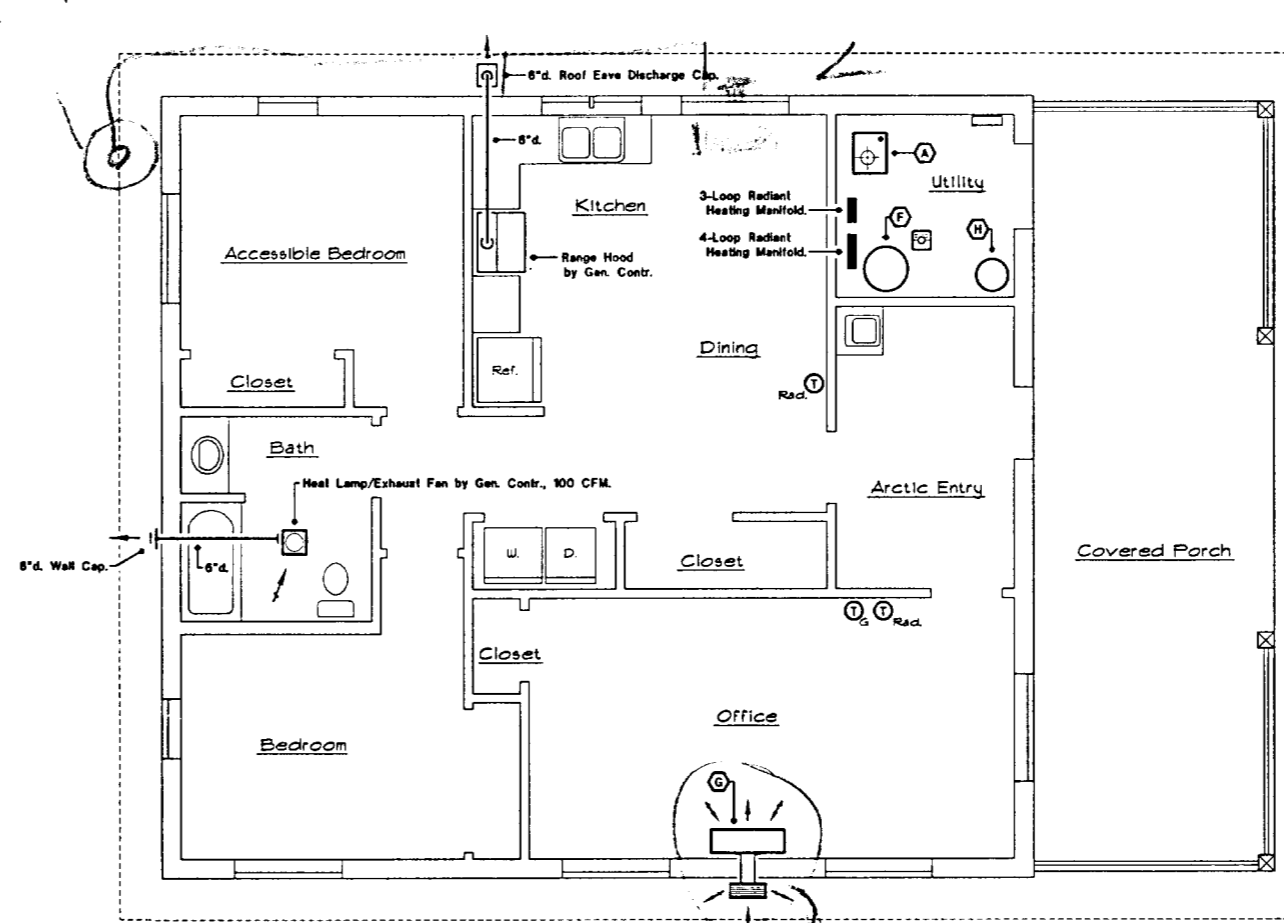
A. W. Hanger, P.E.
 MECHANICAL ENGINEER
 P.O. Box 210387
 Anchorage, Alaska 99521 807/789-8018

Mechanical Design
 Caretaker Cabin/Visitor Contact Station
 State of Alaska Trailhead & Wayside Improvements
 TEA-0003(6)/Project No. 67593 Eagle Beach, Alaska

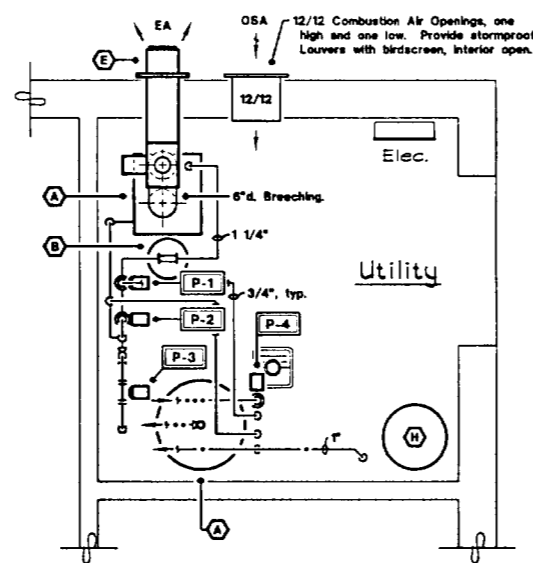
Date: Dec. 14, 2001
 Drawn: A. W. Hanger
 Checked: A. W. Hanger
 Title: Floor Plan Dom. Water Plumbing
M-2 of 4



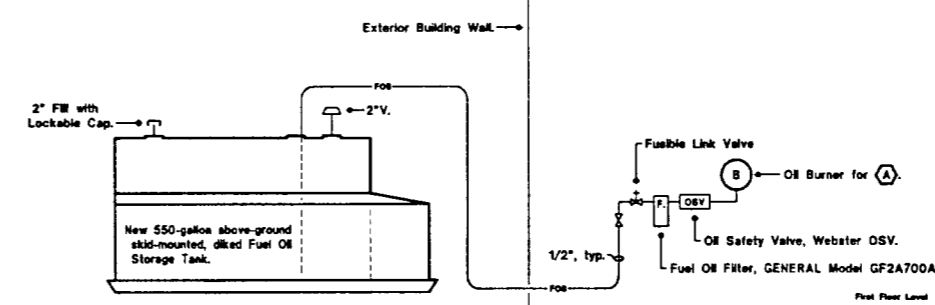
Floor Plan -- Radiant Tubing Layout
Scale: 1/4" = 1'-0"



Floor Plan -- Heating/Ventilation
Scale: 1/4" = 1'-0"

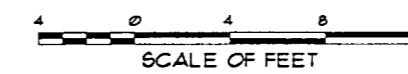


Enlarged Floor Plan -- Utility Room
Scale: 1/2" = 1'-0"



Fuel Oil Piping Schematic

No Scale



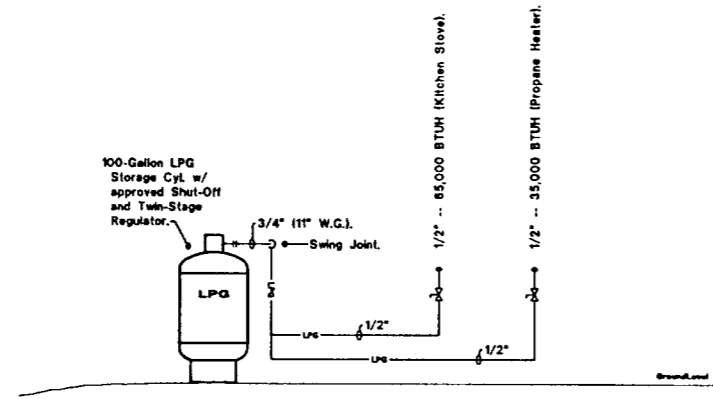
REDUCED DRAWING SET: Half Size.

REVISIONS	BY

A. W. Hanger, P.E.
MECHANICAL ENGINEER
P.O. Box 21007
Anchorage, Alaska 99521 907/786-8078

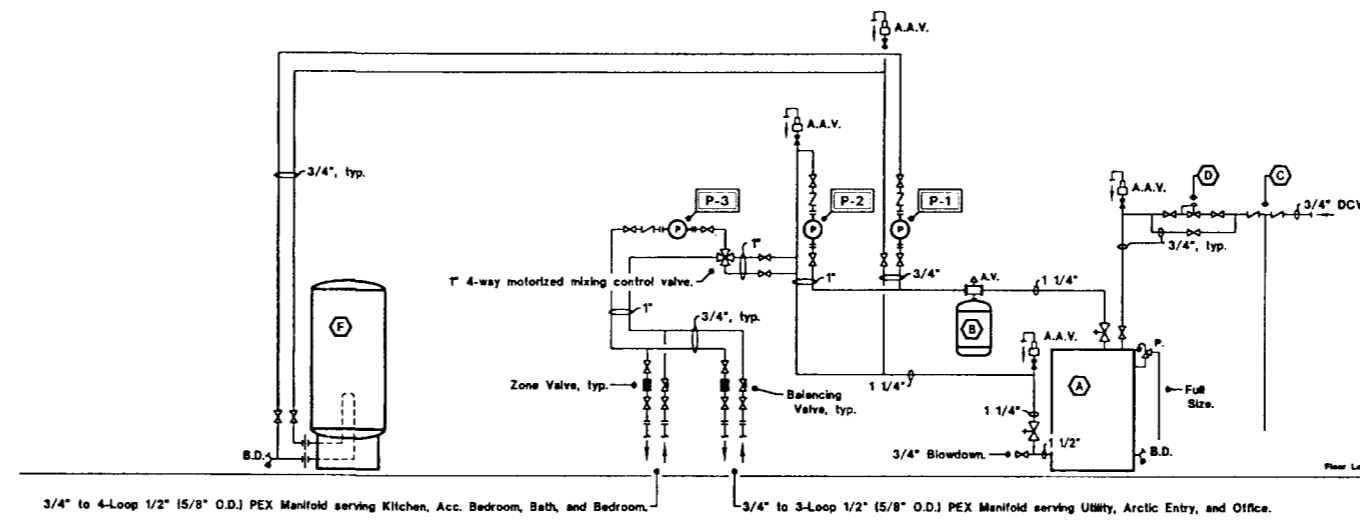
Mechanical Design
Caretaker Cabin/Visitor Contact Station
State of Alaska Trailhead & Wayside Improvements
TEA-00003(61)/Project No. 61593 Eagle Beach, Alaska

Date: Dec. 14, 2001
Drawn: A. W. Hanger
Checked: A. W. Hanger
Title: Floor Plan Heating & Ventilation
M-3 of **4**



LP Gas Piping Schematic

No Scale



Boiler Piping Schematic

No Scale

EQUIPMENT SCHEDULE

1. Heating System Control - Tekmar Model 363 Control for single-boiler system with outdoor reset, single high-temperature heating zone with circulating pump for domestic hot water generation, and two-zone radiant heating mixed temperature system utilizing a 4-way mixing valve with primary and secondary pumps and zone valves, complete with outdoor and mixed temperature sensor units.
2. Boiler - shall be cast iron sectional wet base design with a net BFR capacity of 100 MBH on light oil at sea level with water. Included as standard equipment are insulated flush bucket, ASME relief valve (20 PSIG), combustion high/low limit operating control, combustion pressure and temperature gauge, built-in air stimulator, optional top or back flow outlet, and Beckett flame retention burner with two-stage fuel pump suitable for 120-volt 1-phase 60-cycle electric service. Optional equipment shall include a separate high temperature limit control. Weil-McLain B-WG0-3.
3. Indirect-Fired Domestic Water Heater - 1 1/4" b.w.g. air separator with vent and vertical cylindrical pressurized diaphragm type compression tank with 7.8 gallon capacity (2.5 gallon acceptance volume), approximately 17" x 23". Amtrol "Extr" Combination Package, Model Number 8000/1 V4.
4. Backflow Preventer - shall be reduced pressure type equal to Watts No. 90-3/4".
5. Pressure Reducing Valve - all working parts brass with built-in strainer, brass body, fixed adjustable range 30-125 PSIG, set at 25 PSIG. Taco No. 335.
6. Side-Wall Powered Exhaust Venting System - ETL labeled thru-wall exhaust fan system listed for use with natural draft oil heating equipment, 1/40 HP 120 volt 1-phase 60-cycle fan motor, rated adequate to serve 300 BTUH boiler load (flame retention burner, light oil), includes safety controls with fan proving air switch and high temperature limit, and adjustable post-purge timer to vent residual flue gases. Tjernlund Model ESE1 SideShot.
7. Indirect-Fired Domestic Water Heater - 41-gallon stainless steel storage capacity, removable heat exchanger, recovery capacity 90 GPH at 70F temperature rise with boiler water temperature set a minimum of 20F above water heater control (60,000 BTUH input), foam insulation shell with protective coating, and dual operating control. Amtrol WH-72.
8. Propane Direct Vent Gravity Space Heater - minimum with integral operating controls including indirect vent thermostat, recovery capacity 90 GPH at 70F temperature rise with boiler water temperature set a minimum of 20F above water heater control (60,000 BTUH input), foam insulation shell with protective coating, and dual operating control. Empire Comfort Systems Model DV-35-80.
9. Domestic Water Pressure Storage Tank - vertical cylindrical steel storage tank, pressurized diaphragm type, with 33.0 gallon capacity, approximately 15" x 48". Amtrol "Web-X-Truf" Model Number W2-203.

PUMP SCHEDULE

SYMBOL	GPM	HEAD, ft. water	HP	MODEL NUMBER
P-1	8.0	15	1/15	Taco Model 009, 3/4", 120v. 1-ph.
P-2	5.0	24	1/7	Taco Model 001, 1", 120v. 1-ph.
P-3	5.0	24	1/7	Taco Model 001, 1", 120v. 1-ph.
P-4	2.0	7	1/40	Taco Model 008, 1/2", 120v. 1-ph. bronze casing.

GENERAL NOTES

1. All work and materials shall be in accordance with applicable codes, standards, and ordinances, rules, and regulations of the City/Borough of Juneau, Department of Community Development, Engineering Division. Nothing in the plans shall be construed as requiring or permitting work in violation of such codes. Where work is shown on the plans without detailed specifications, all work shall be done with materials and methods accepted as good practice by the construction industry in accordance with such codes.
2. Applicable codes are as follows:
 - a) Uniform Building Code, 1997.
 - b) Uniform Mechanical Code, 1997.
 - c) Uniform Plumbing Code, 1997.
 - d) Uniform Fire Code, 1997.
 - e) National Electric Code, 1996.
3. Piping materials shall be as follows:
 - a) Domestic Water - Type "K" copper, building exterior, including floor. Type "L" copper with lead-free solder spools slab building interior.
 - b) Waste and Vent - Cast Iron soil pipe, 2" and above. ABS Schedule 40 with Type "DWV" fittings, 2 1/2" and smaller.
 - c) Fuel Oil - Schedule 40 black steel and/or Type "L" copper with mechanical fittings above grade and building interior.
 - d) Propane - Schedule 40 wrought iron or steel (black or galvanized), painted exposed pipe and fittings to protect against corrosion.
4. Use di-electric unions to join all dissimilar metal piping in domestic water distribution system.
5. Provide angle stops and air chambers for all fixture supplies.
6. Insulate all domestic water and heating piping with 1/2" fiberglass insulation. Insulation shall be continuous with all joints sealed. Where domestic water distribution piping is routed in the attic space, it shall be placed on the warm side (under) of the building insulation.
7. All ductwork shown shall be galvanized sheet metal in accordance with requirements set forth in Chapters 5 and 6 of the Uniform Mechanical Code.
8. Insulate all exhaust fan ductwork with 2" faced fiberglass ductwrap with vapor barrier. Seal all joints.
9. Installation of the Side Wall Powered Exhaust Venting System for the Boiler shall conform to all applicable codes and manufacturer's recommendations.

GENERAL NOTES (cont.)

10. The fuel oil system shall consist of outdoor, skid-mounted, above-ground, closed-top, filled fuel oil storage tank with a one-pipe supply to the Utility Room. The boiler burner service shall be equipped with shut-off valve, hand-held shut-off valve, fuel oil filter, and Webster ODV oil safety valve. Provide a 12" x 18" x 1" deep sheet metal drip pan beneath the oil-fired burner.
11. Combustion adjustments shall be made for the boilers to obtain maximum efficiency. A record of the tests shall be provided to the Owner, including temperatures of the room and flue gas, percent CO2, over-fire pressure, oil pressure to the nozzle, nozzle size and pattern, and efficiency.
12. Combustion air for the oil-fired boiler shall be provided as noted on the drawing, with the "high" opening located within 12" of the finished ceiling level, and the "low" opening within 12" of the finished floor.
13. Installation of the Propane Direct Vent Gravity Space Heater shall conform to all applicable codes and manufacturer's recommendations.
14. Route propane service lines exterior to the building to the Kitchen Store and Propane Direct Vent Gravity Space Heater. Provide gas cock shut-off valves at use points.
15. Mechanical Contractors shall verify site conditions to properly evaluate and determine the extent of work required, and coordinate all work efforts with other trades as required.

CONTROL SEQUENCE

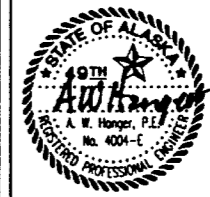
1. Heating System Control - Tekmar Model 363 Control for single-boiler system with outdoor reset, single high-temperature heating zone with circulating pump for domestic hot water generation, and two-zone radiant heating mixed temperature system utilizing a 4-way mixing valve with primary and secondary pumps and zone valves, complete with outdoor and mixed temperature sensor units.
2. Circulating Pumps - circulating pumps shall operate as noted below for the Radiant Floor Heating System and Indirect-Fired Domestic Water Heater. Circulating pump Z-2 operates as desired through manual motor starting switch to maintain domestic hot water at fixtures as needed.
3. Radiant Floor Heating System - an call for heat from either of the two heating zones, circulating pumps Z-2 and Z-3 shall simultaneously operate, providing a mixed temperature heating water supply to the zones through the 4-way mixing valve based on outdoor air temperature. Zone thermostats shall open respective zone manifold in heating manifold, closing when the thermostats are satisfied. Circulating pumps cease operation when both zone thermostats are satisfied.
4. Boiler - the outdoor reset of the Tekmar heating system control shall set boiler water temperature such that the boiler water supply temperature is varied from 200F at 15F OAT to 160F at 65F OAT and above. The optional high temperature limit control shall be wired in series with operating control and outdoor reset to disable burner operation if limit conditions are met.
5. Side Wall Powered Exhaust Venting System - the fan system shall be interlocked with the operation of the boiler, such that the burner shall operate only when the fan system airflow has been verified.
6. Indirect-Fired Domestic Water Heater - temperature control shall initiate operation of circulating pump Z-1, providing heat to the heating coil and domestic water, operating until the control is satisfied.
7. Propane Direct Vent Gravity Space Heater - shall operate as desired on call for heat from the room thermostat.
8. Bath Exhaust Fan - shall operate with room light switch.

REDUCED DRAWING SET: Half Size.

REVISIONS BY

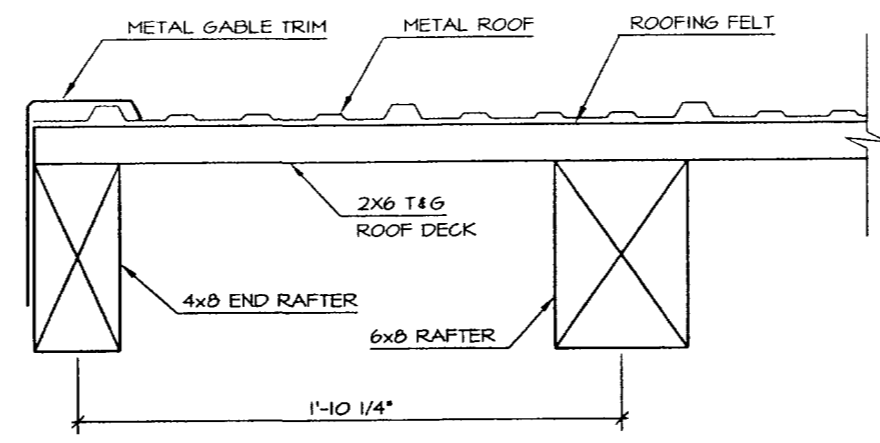
A. W. Hanger, P.E.
MECHANICAL ENGINEER
P.O. Box 210107
Anchorage, Alaska 99521 907/786-0018

Mechanical Design
Caretaker Cabin/Visitor Contact Station
State of Alaska Trailhead & Wayside Improvements
TEA-0003(6)/Project No. 61593
Eagle Beach, Alaska

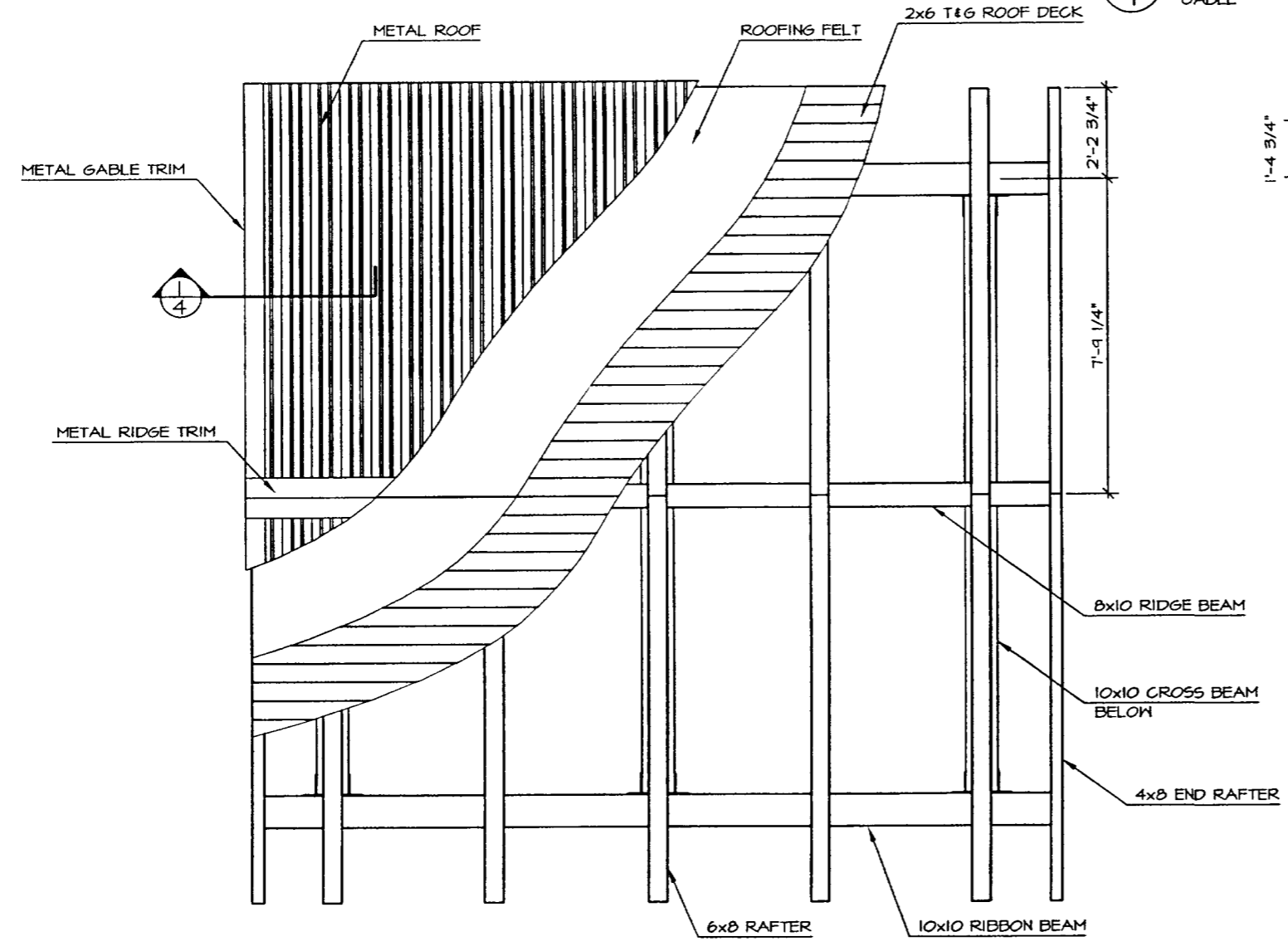


Date: Dec. 14, 2001
Drawn: A. W. Hanger

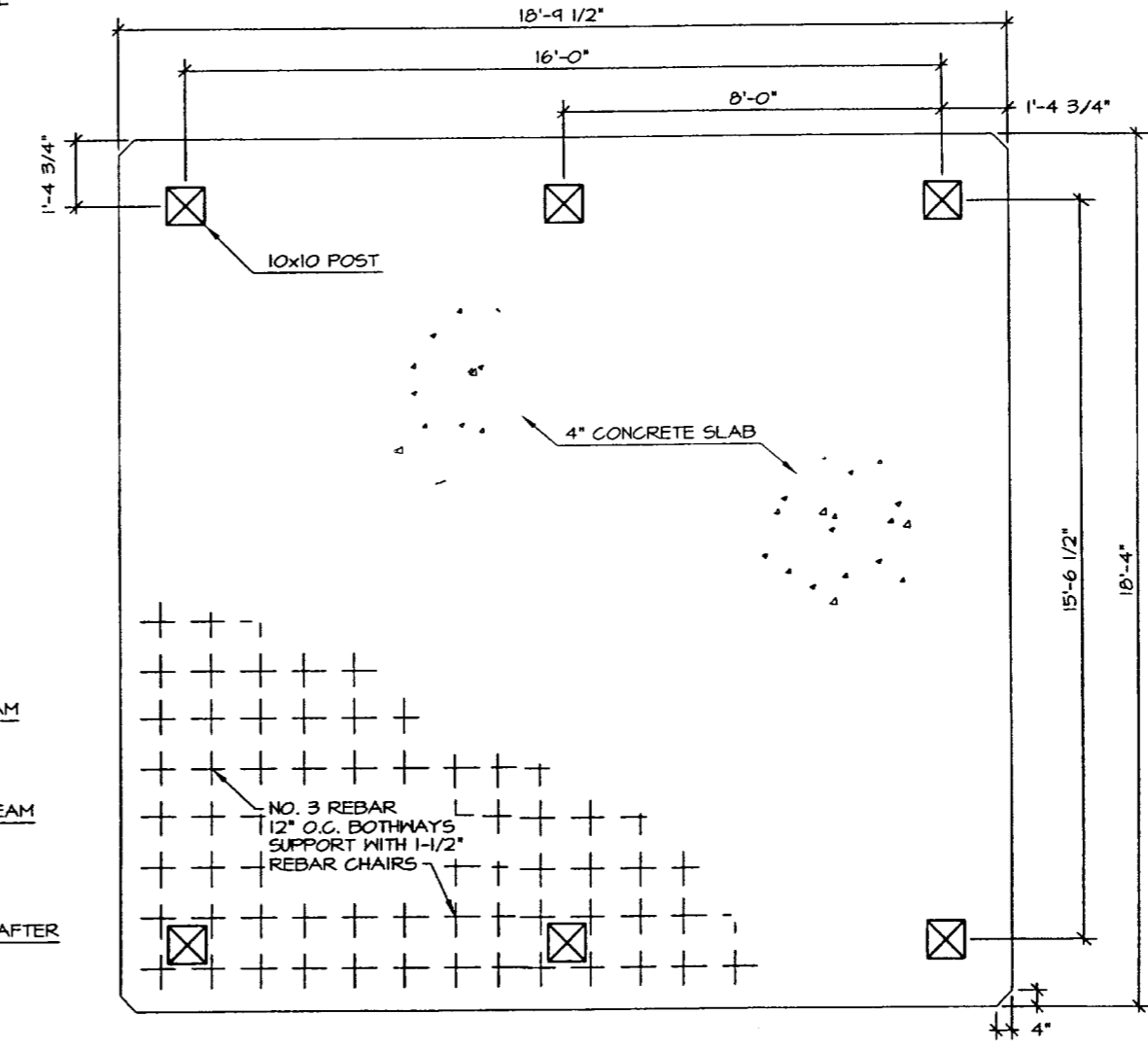
Checked: A. W. Hanger
Title: Details and Schedules



SECTION 4 GABLE



ROOF PLAN

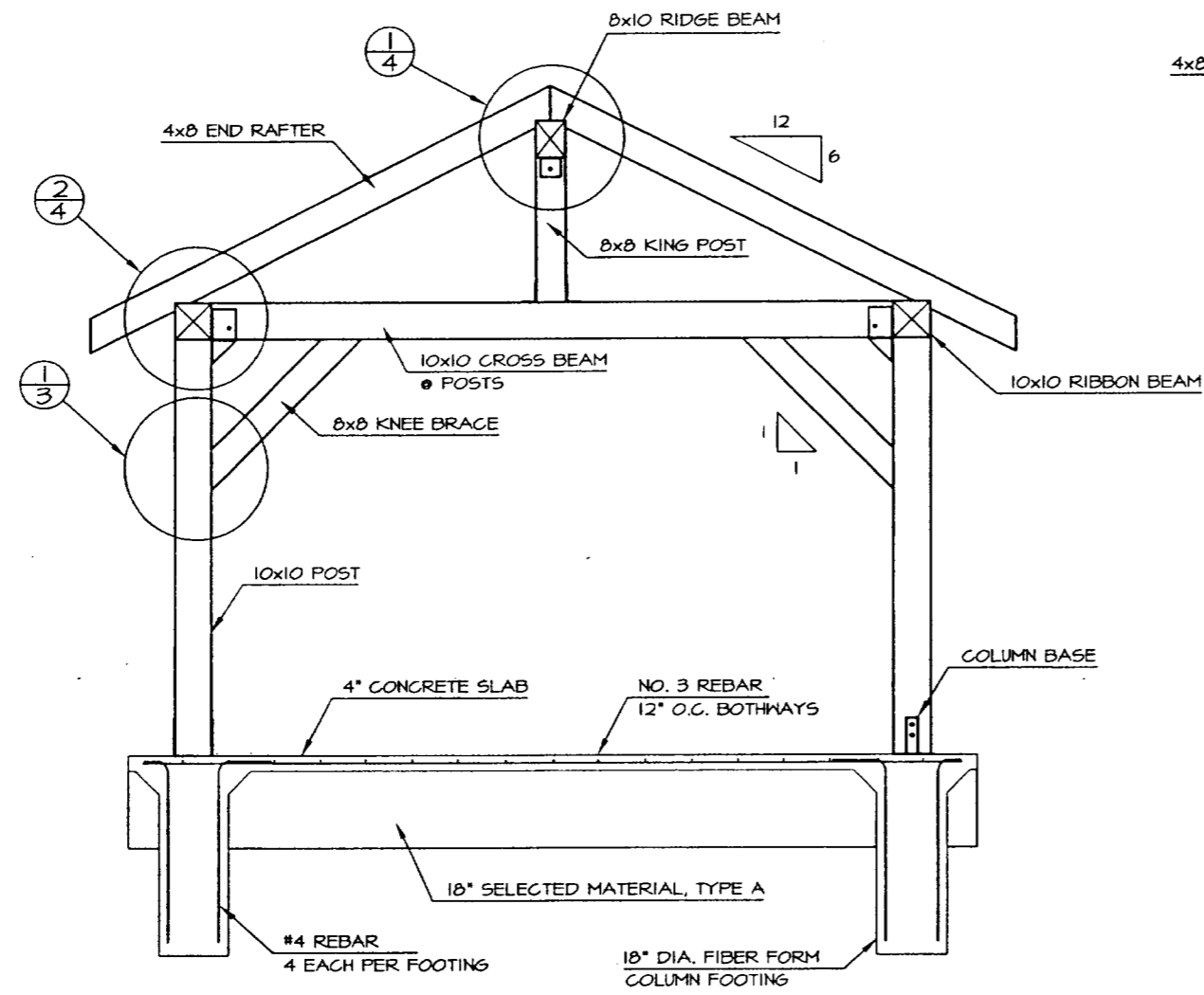


FLOOR PLAN
POST LAYOUT

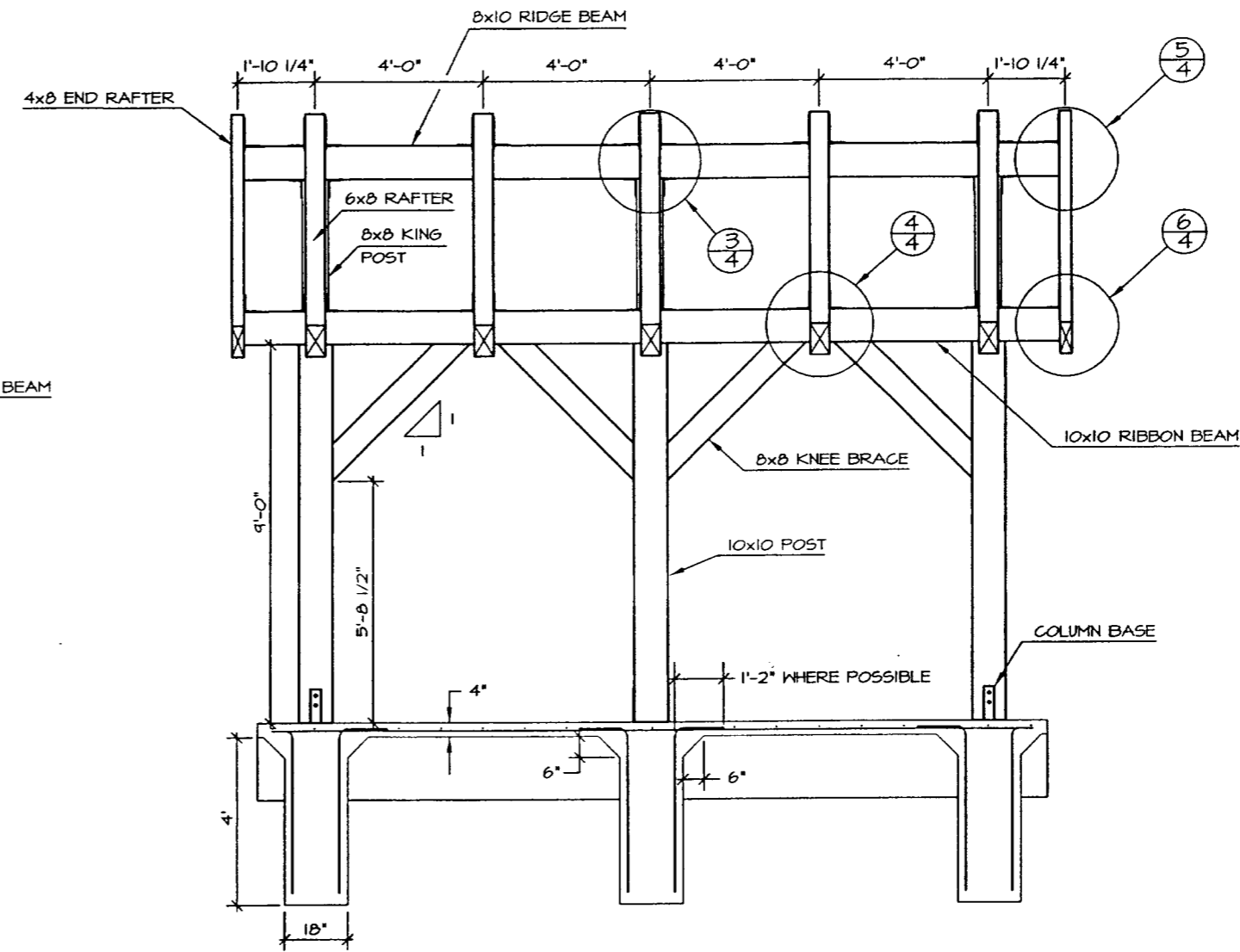


NO.	REVISION	DATE	APPROVED
7	REDESIGNED & REDRAWN TO ELECTRONIC MEDIA	MAY 97	DH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA	DESIGN & CONSTRUCTION SECTION	PICNIC SHELTER	PREPARED: K&E DRAWN: K&E REVIEWED: DH DATE: MAY 97
			SHEET 1 R-1 OF 4 SHEETS



END
STRUCTURE

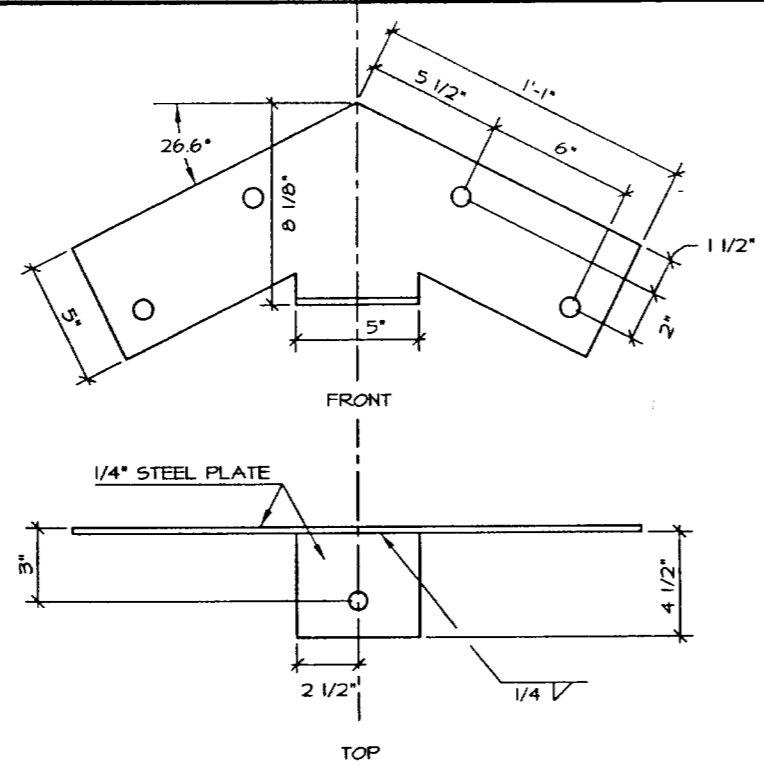


SIDE
STRUCTURE

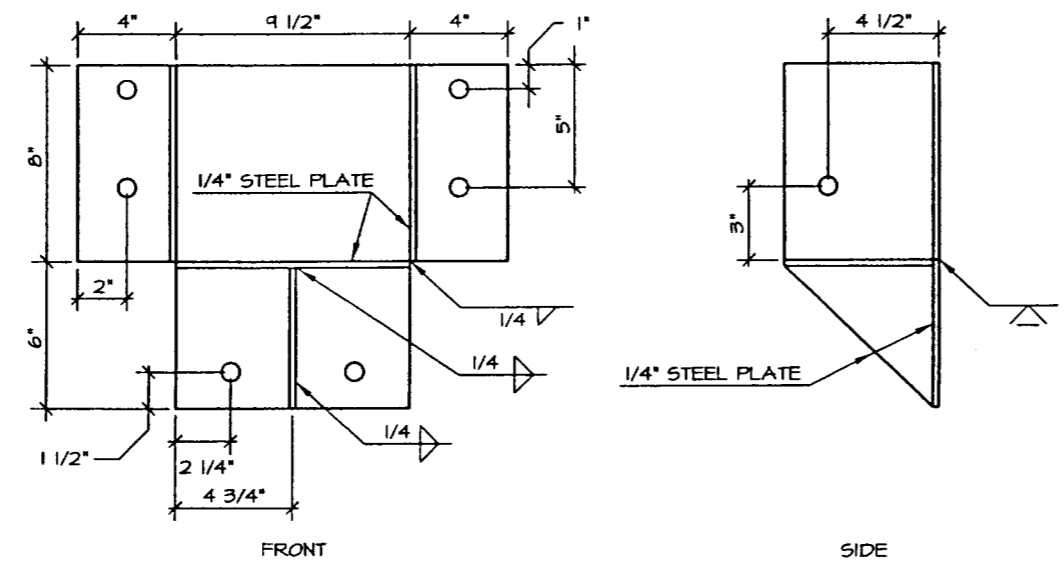
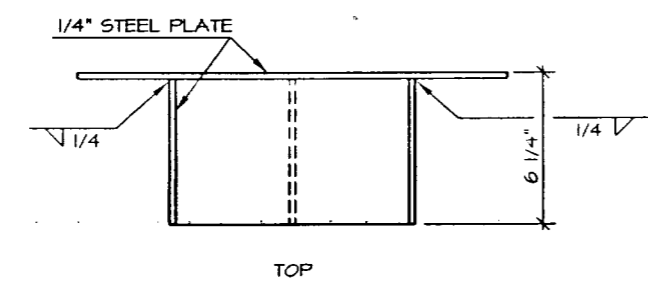


0	SHORTENED STRUCTURE BY 1'	MAR 01	DH
1	REDESIGNED & REDRAWN TO ELECTRONIC MEDIA	MAY 97	DH
NO.	REVISION	DATE	APPROVED

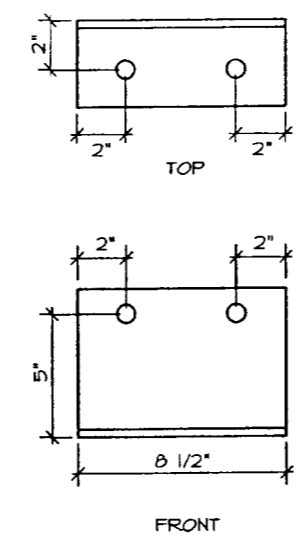
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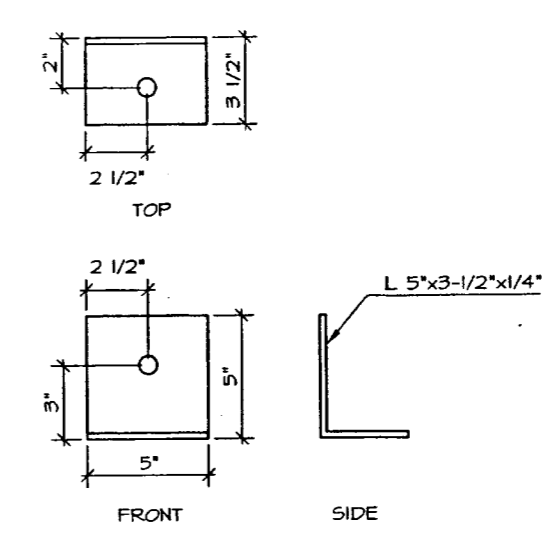
RIDGE BEAM BRACKET



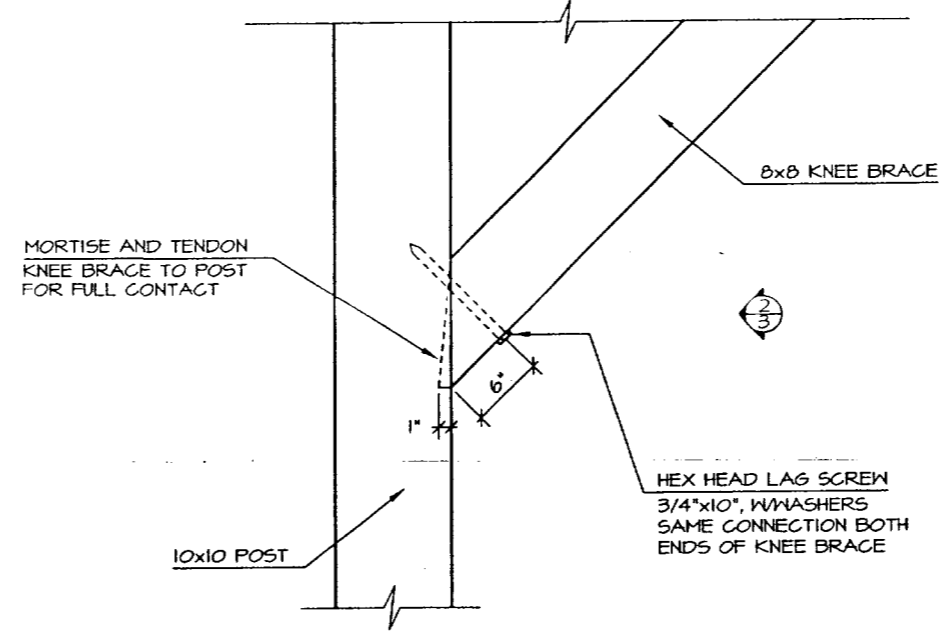
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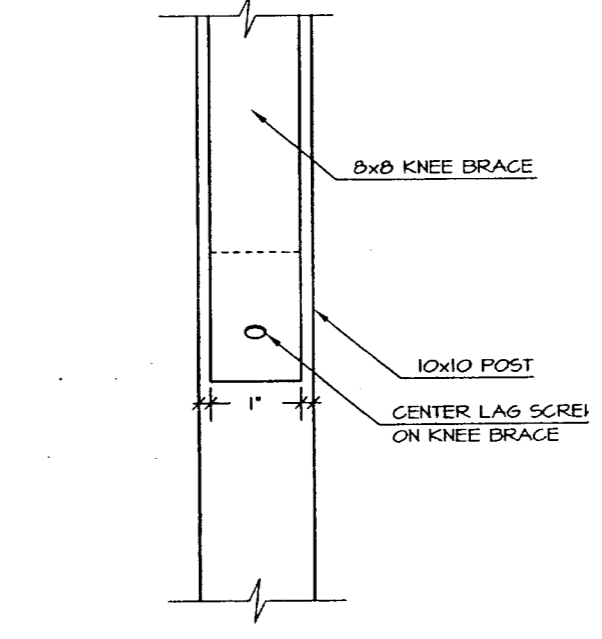
RAFTER ANGLE BRACKET



KING POST ANGLE BRACKET



1
3 DETAIL
KNEE BRACE CONNECTION



2
3 SIDE
KNEE BRACE CONNECTION



1	CHANGE RAFTER BRACKET TO STANDARD SHAPE	DEC 91	DH
NO.	REVISION	DATE	APPROVED

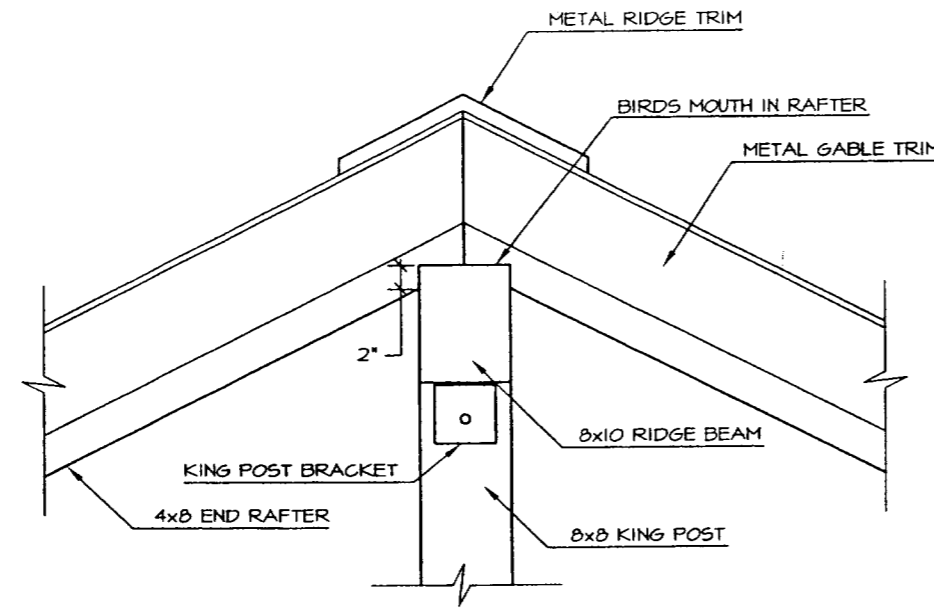
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DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

DESIGN & CONSTRUCTION SECTION

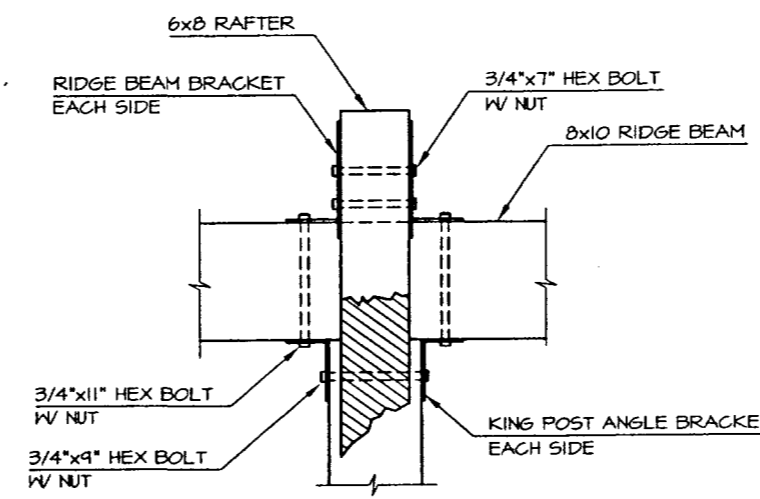
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PREPARED: P-ME
DRAWN: P-ME
REVIEWED: DH
DATE: MAY 91

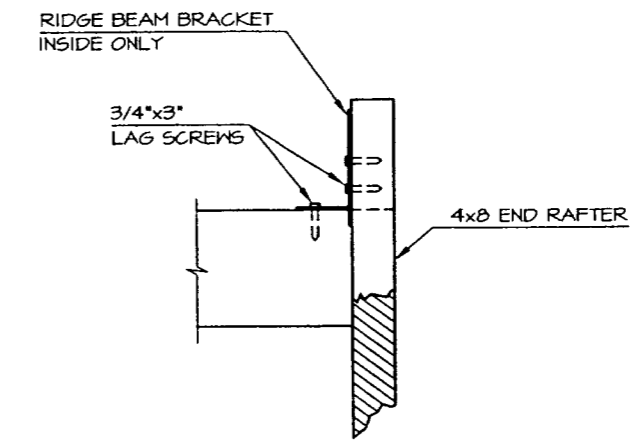
SHEET 3
R-1 B
OF 4 SHEETS



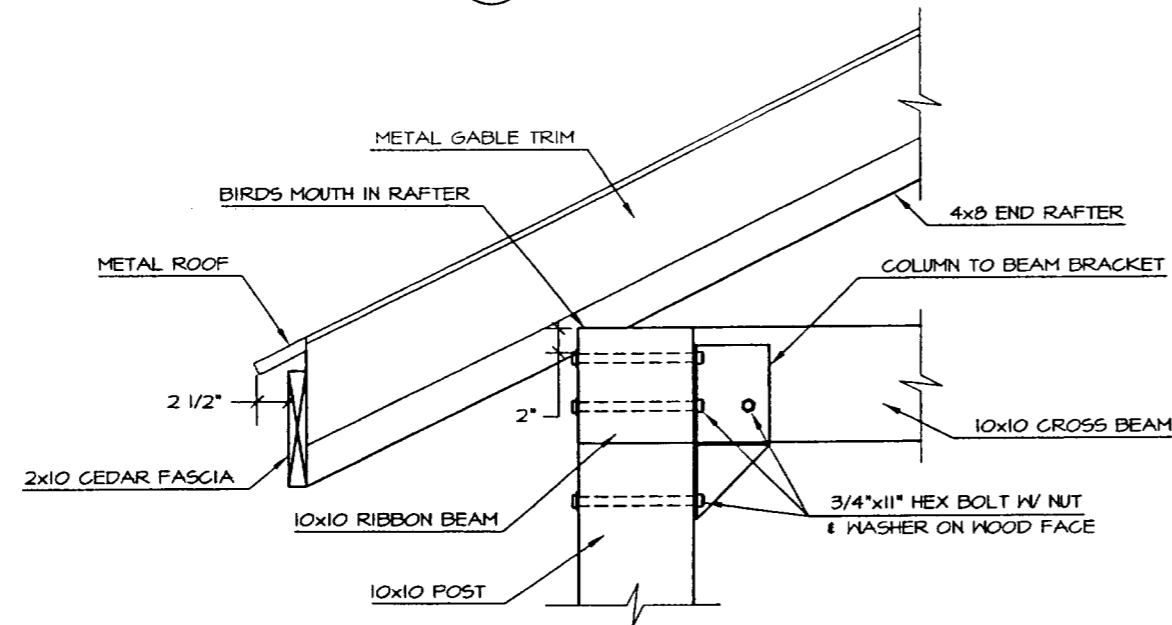
1
4
DETAIL
RIDGE WROOFING



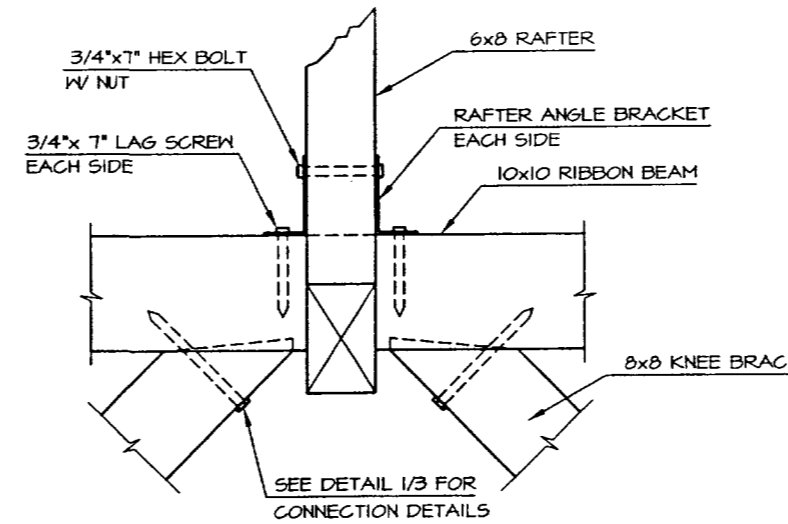
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DETAIL



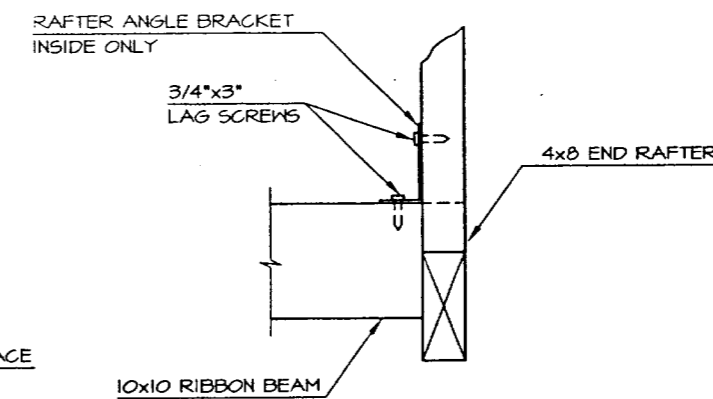
5
4
DETAIL
END RAFTER



2
4
DETAIL
EAVE WROOFING & TRIM



4
4
DETAIL



6
4
DETAIL
END RAFTER

NOTE: KING POST ANGLE BRACKET TO BE USED AT BOTTOM OF POST FOR CONNECTING TO CROSS BEAM SHALL BE ATTACHED TO CROSS BEAM WITH 3/4"x3" LAG SCREWS



1	ADD NOTE	DEC 97	DH
NO.	REVISION	DATE	APPROVED

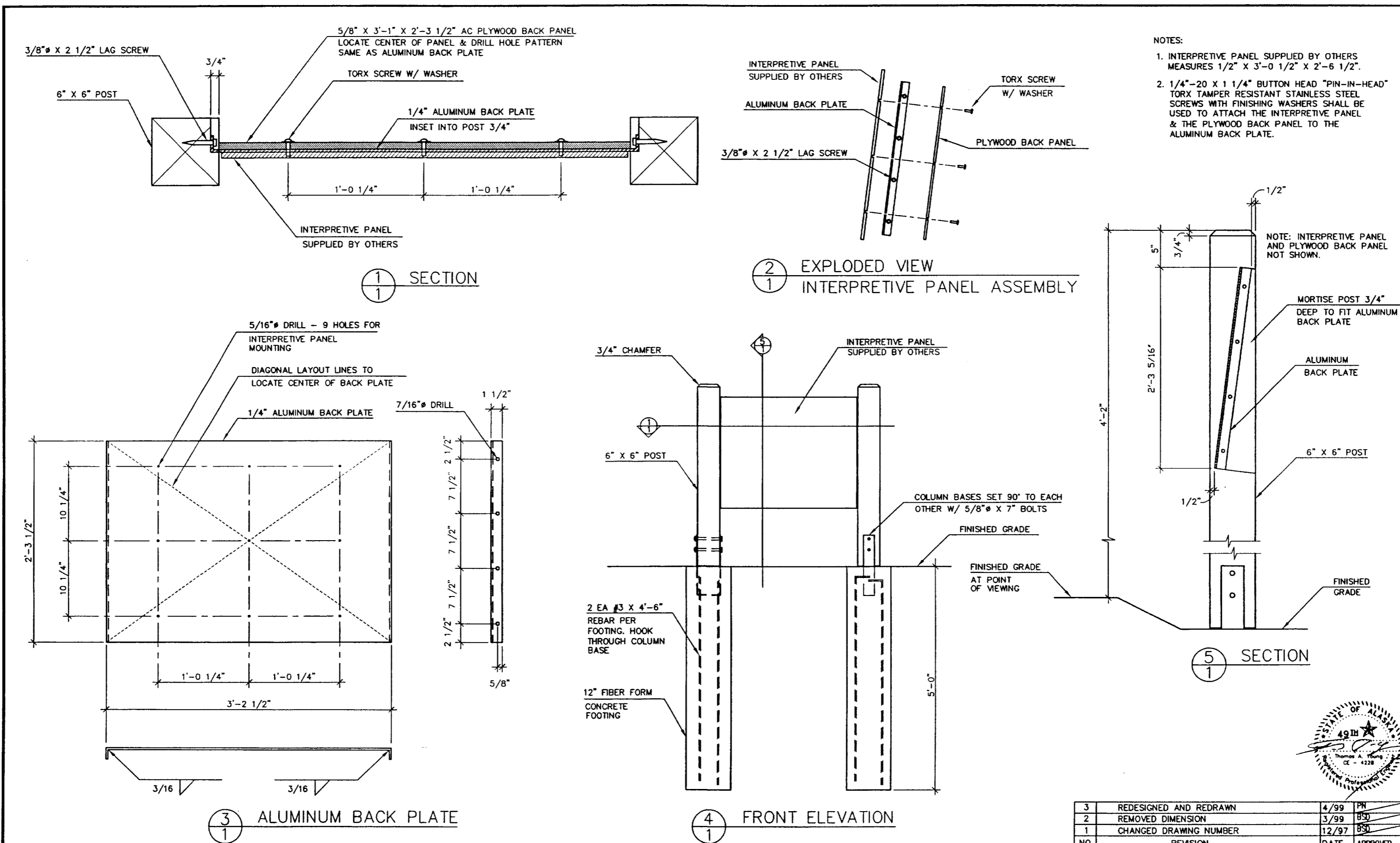
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

DESIGN & CONSTRUCTION SECTION

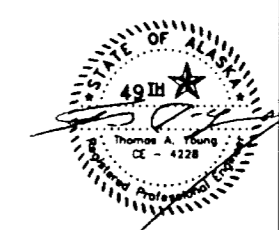
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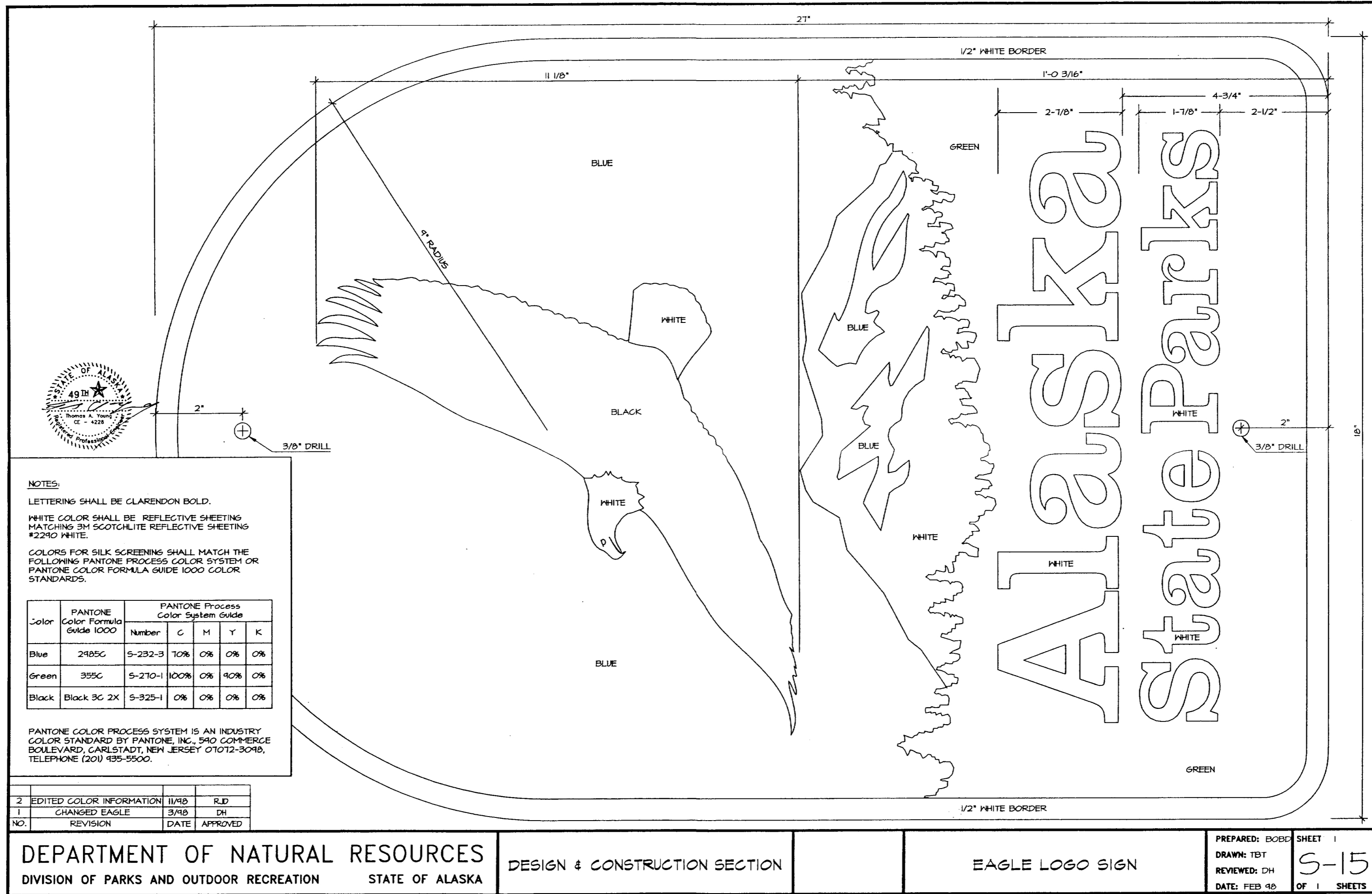
PREPARED: PHE
DRAWN: PHE
REVIEWED: DH
DATE: MAY 97

SHEET 4
R-10
OF 4 SHEETS



NO.	REVISION	DATE	APPROVED
3	REDESIGNED AND REDRAWN	4/99	PH
2	REMOVED DIMENSION	3/99	SD
1	CHANGED DRAWING NUMBER	12/97	SD





NOTES:

LETTERING SHALL BE CLARENDON BOLD.

WHITE COLOR SHALL BE REFLECTIVE SHEETING MATCHING 3M SCOTCHLITE REFLECTIVE SHEETING #2240 WHITE.

COLORS FOR SILK SCREENING SHALL MATCH THE FOLLOWING PANTONE PROCESS COLOR SYSTEM OR PANTONE COLOR FORMULA GUIDE 1000 COLOR STANDARDS.

Color	PANTONE Color Formula Guide 1000	PANTONE Process Color System Guide				
		Number	C	M	Y	K
Blue	2985C	5-232-3	10%	0%	0%	0%
Green	355C	5-210-1	100%	0%	40%	0%
Black	Black 3C 2X	5-325-1	0%	0%	0%	0%

PANTONE COLOR PROCESS SYSTEM IS AN INDUSTRY COLOR STANDARD BY PANTONE, INC., 540 COMMERCE BOULEVARD, CARLSTADT, NEW JERSEY 07072-3048, TELEPHONE (201) 435-5500.

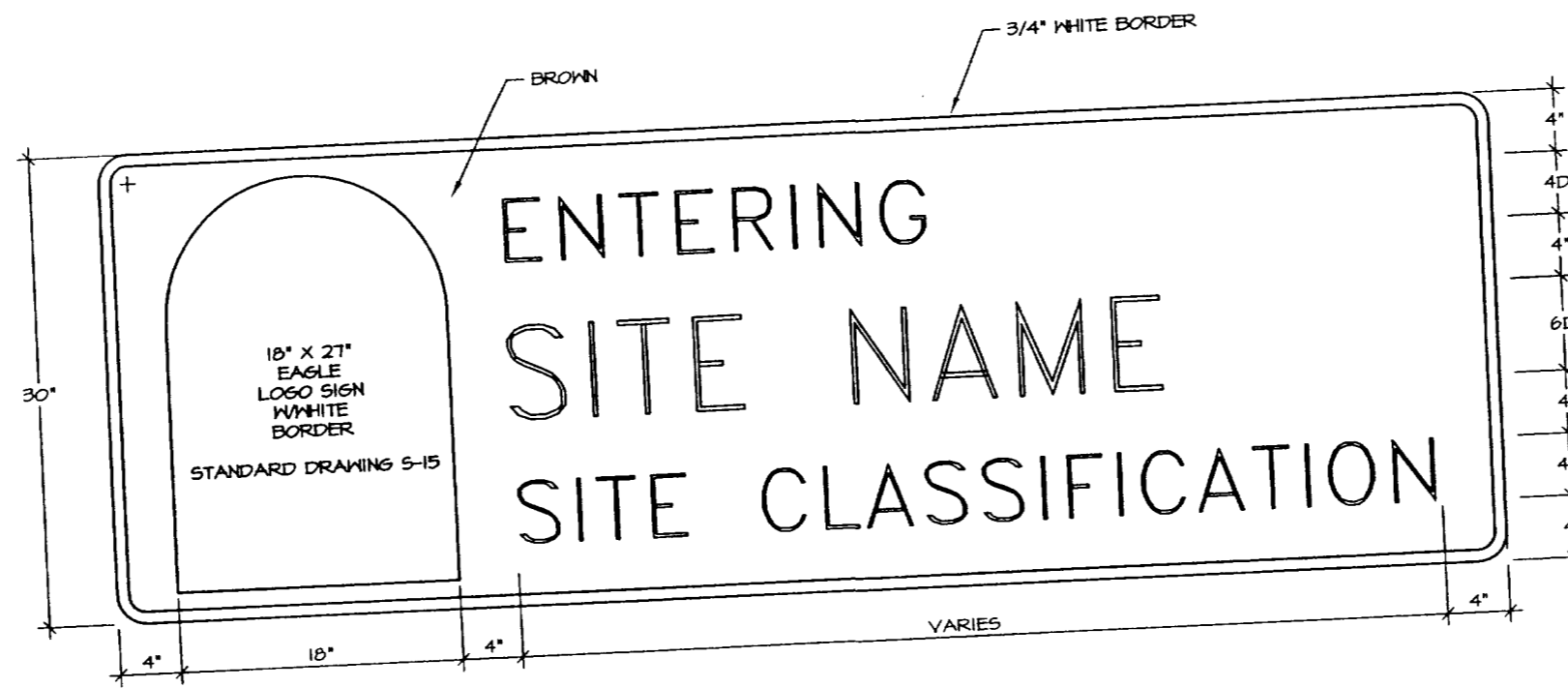
NO.	REVISION	DATE	APPROVED
2	EDITED COLOR INFORMATION	11/98	RJD
1	CHANGED EAGLE	3/98	DH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

DESIGN & CONSTRUCTION SECTION

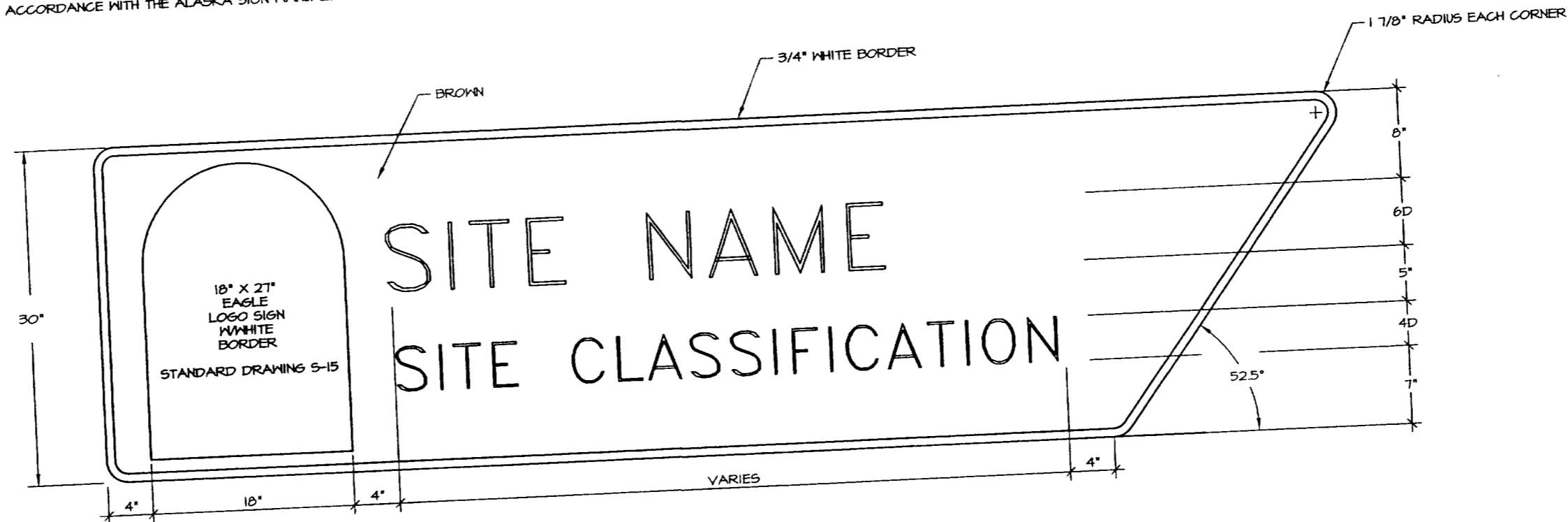
EAGLE LOGO SIGN

PREPARED: EOBBC SHEET 1
DRAWN: TBT S-15
REVIEWED: DH OF 1 SHEETS
DATE: FEB 98



ENTERING/LEAVING PARK SIGN
USE WHEN HIGHWAY ENTERS OR LEAVES A PARK FACILITY

NOTE: SIGNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ALASKA SIGN MANUAL.



DIRECTIONAL SIGN (RIGHT)
USE ON HIGHWAY TO IDENTIFY THE TURNOFF
POINT TO A PARK FACILITY

NOTE: THE TAPERED END OF THE SIGN IS TO INDICATE THE DIRECTION OF THE TURNOFF. A TURNOFF TO THE RIGHT IS INDICATED ABOVE. TO INDICATE A TURNOFF TO THE LEFT, THE TAPER WILL POINT THE OTHER DIRECTION.



NO.	REVISION	DATE	APPROVED
1	CHANGED SIGN VERBAGE	10/00	DH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF PARKS AND OUTDOOR RECREATION STATE OF ALASKA

DESIGN & CONSTRUCTION SECTION

PARK FACILITY SIGNS

PREPARED: BSD
DRAWN: BSD
REVIEWED: DH
DATE: AUG. 99

SHEET 1
5-16
OF 1 SHEETS