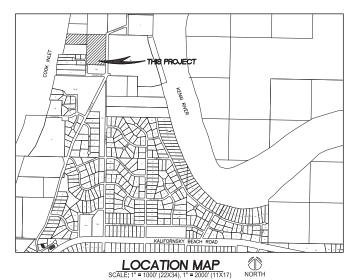


# SOUTH BEACH ACCESS ROAD CONSTRUCTION PERMIT REVIEW SET





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IONSULTING ENGINEERS ITRUCTURAL/CIVIL SS BIDARKA ST 1 ENAI. AK 99611 EL. (907) 283 - 3583 IELSONENGINEER®AASKA.NET



OUTH BEACH ACCESS ROAD
CITY OF KENAI

PROJECT NO. 1429 DRAWN BY: MZD CHECKED BY:

DATE: 12/16/2014
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: C1
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### LEGEND

EXISTING	PROPOSED	
		CENTERLINE
101	101	
		EDGE OF ASPHALT
		PROPERTY LINE/EDGE OF R.O.W./EASEMENT
		ROAD SHOULDER
		TOE OF SLOPE
		TOP OF SLOPE
~~~		TREELINE
GAS		UTILITY - GAS
— ОНЕ —		UTILITY - OVERHEAD ELECTRIC
UGE	— UGE —	UTILITY - UNDERGROUND ELECTRIC
		WETLANDS BOUNDARY LINE
		GRAVEL ROAD
		WETLANDS
		CULVERT
		ELECTRICAL METER
igoplus		MONUMENT/TEST HOLE
Ø		POWER POLE
•		REBAR
火		TREE

### **ABBREVIATIONS**

AC ADA	ASPHALT CONCRETE, ACRE AMERICAN DISABILITIES ACT	MKR	MINIMUM MARKER POST
ALUM	ALUMINUM	MON	MONUMENT
APPROX	APPROXIMATE	N	NORTH
AVG	AVERAGE	NFS	NON FROST SUSCEPTIBLE
BLDG	BUILDING	NIC	NOT IN CONTRACT
BOP	BOTTOM OF PIPE	NTS	NOT TO SCALE
C.O.	CLEANOUT	OC	ON CENTER
CIP	CAST IRON PIPE	OFF	OFFSET
CL	CENTER LINE, CLASS	OHE	OVERHEAD ELECTRIC
CMP	CORRUGATED METAL PIPE	PI	POINT OF INTERSECTION
CNTR	CENTER	PL	PROPERTY LINE
CONC	CONCRETE	PP	POWER POLE
CP	CONTROL POINT	PT	PRESSURE TREATED
DIA DW	DIAMETER	PVMT R	PAVEMENT RADIUS, RECORD
DWG	DRIVEWAY DRAWING		
E E	EAST, ELECTRIC	REQ'D	REQUIRED
EA .	EACH	RG ROW	RAIN GARDEN
EG	EXISTING GROUND	ROW S	RIGHT-OF-WAY SOUTH
EL.ELEV	ELEVATION		
EOP	END OF PROJECT	S/W	SIDEWALK SWALE
EP	EDGE OF PAVEMENT	SW	
ESMT	EASEMENT	SH	SHOULDER
EXIST	EXISTING	SS	SANITARY SEWER/SEWER SERVICE
FF	FINISH FLOOR	SSLS	SANITARY SEWER LIFT
FG	FINISH GRADE	0020	STATION
FT	FOOT, FEET	SSMH	SANITARY SEWER
GD	GROUND		MANHOLE
GR	GRADE	STA	STATION
HYD	HYDRANT	TBC	TOP BACK OF CURB
INV	INVERT	TC	TOP OF CONCRETE
L	LENGTH	TP	TEST PIT
LF	LINEAR FEET	TYP	TYPICAL
LT	LEFT	W	WATER, WEST
MAX MF	MAXIMUM MATCH EXISTING	WS	WATER SERVICE
ML	MATCH EXISTING		

### **GENERAL NOTES**

- LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. ACTUAL DEPTH, NUMBER AND LOCATION UNKNOWN. BURIED UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, IDENTIFYING, AND WORKING AROUND ALL UTILITIES WITHIN THE PROJECT LIMITS AT NO ADDITIONAL COST OT THE OWNER. CALL FOR LOCATES PRIOR TO EXCAVATION, ALASKA DIGILNE 1—800—478—3121. CITY OF KENAI DOES NOT PARTICIPATE IN THE ALASKA DIGILNE. CONTRACTOR SHALL CONTACT CITY OF KENAI PUBLIC WORKS AT 907—283—283 FOR WATERS.
- 2. THE FOLLOWING ALASKA STATUTES APPLY TO WORK NEAR OVERHEAD ELECTRIC LINES:

AS 18.60.670 PROHIBITION AGAINST PLACEMENT OF EQUIPMENT NEAR ELECTRICAL LINE AND CONDUCTORS

(1) PLACE ANY TYPE OF TOOL, EQUIPMENT, MACHINERY, OR MATERIAL THAT IS CAPABLE OF LATERAL, VERTICAL, OR SWINGING MOTION, WITHIN 10 FEET OF A HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR.

(2) STORE, OPERATE, ERECT, MAINTAIN, MOVE, OR TRANSPORT TOOLS, MACHINERY, EQUIPMENT, SUPPLIES, MATERIALS, APPARATUS, BUILDINGS, OR OTHER STRUCTURES WITHIN 10 FEET OF A HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR.

AS 18.60.680 ANY WORK WITHIN MINIMUM DISTANCE STATED ABOVE SHALL REQUIRE CONTACT WITH HEA TO INSTALL TEMPORARY MECHANICAL BARRIERS, TEMPORARY DE-ENERGIZATION AND GROUNDING, OR TEMPORARY RAISING OF CONDUCTORS.

- IF NOT DETAILED IN THESE DRAWINGS AND SPECIFICATIONS, ALL APPLICABLE CONSTRUCTION SHALL BE BUILT IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (M.A.S.S.), LATEST EDITION. DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE OVER M.A.S.S.
- CONTRACTOR IS REQUIRED TO FIND ALL PROPERTY PINS/MONUMENTS WITHIN PROJECT AREA AND PROTECT OR REPLACE AFTER CONSTRUCTION IS COMPLETE.
- 5. SEED ALL AREAS DISTURBED BY CONSTRUCTION WITH SCHEDULE D SEED PER M.A.S.S., LATEST
- 6. CONTOURS SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES AND SHOULD ONLY BE USED AS A REPRESENTATION OF EXISTING GRADES. SURVEYED ELEVATIONS ARE SHOWN ON THE PIPE PROFILES.
- CLEARING LIMITS SHALL BE TO 22' EACH SIDE OF THE ROAD CENTERLINE, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- 8. CONTRACTOR SHALL ADHERE TO LOCAL REQUIREMENTS FOR NOISE, HOURS OF OPERATION, AND DUST CONTROL.
- 9. PRIOR TO DOING ANY WORK WITHIN THE CITY OF KENAI'S RIGHT-OF-WAYS, CONTRACTOR SHALL CONTACT PUBLIC WORKS DEPARTMENT AT 907-283-8236. CONTRACTOR SHALL OBTAIN A YEARLY EXCAVATION PERMIT AND AN INDIVIDUAL PROJECT APPLICATION.
- 10. CONTRACTOR SHALL OBTAIN DETOUR PERMIT FROM THE CITY OF KENAI PRIOR TO STARTING WORK WITHIN THE CITY OF KENAI'S RIGHT—OF WAYS. VEHICULAR ACCESS SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE CONSTRUCTION OF THE PROJECT.



STRUCTURAL/GIVIL
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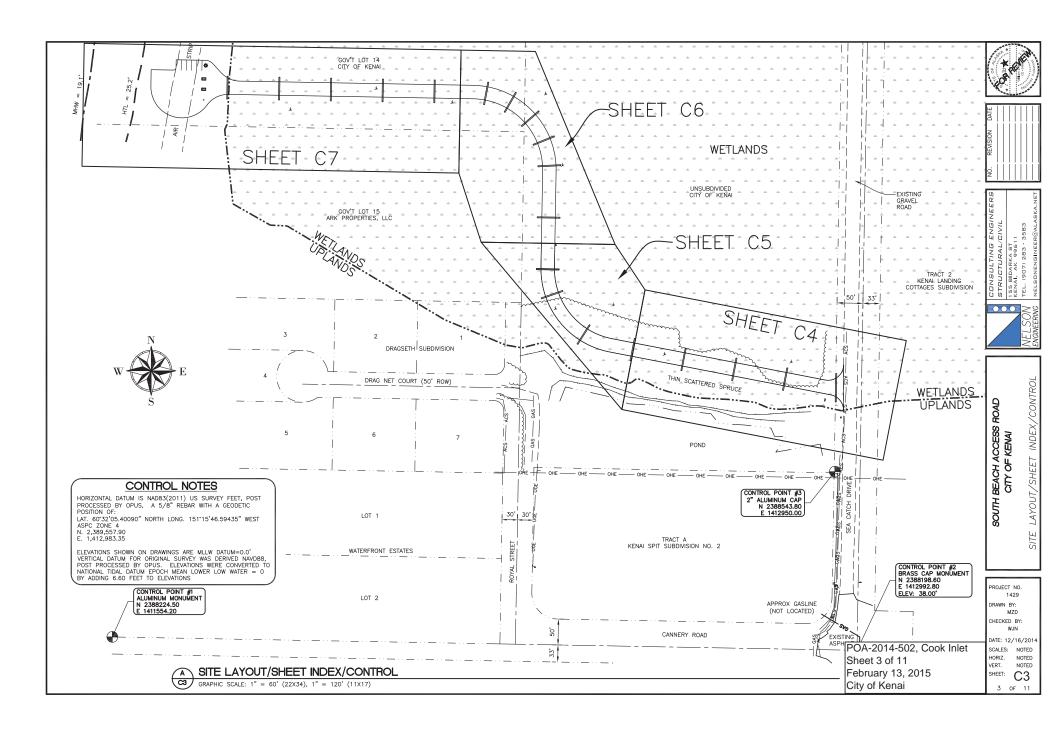


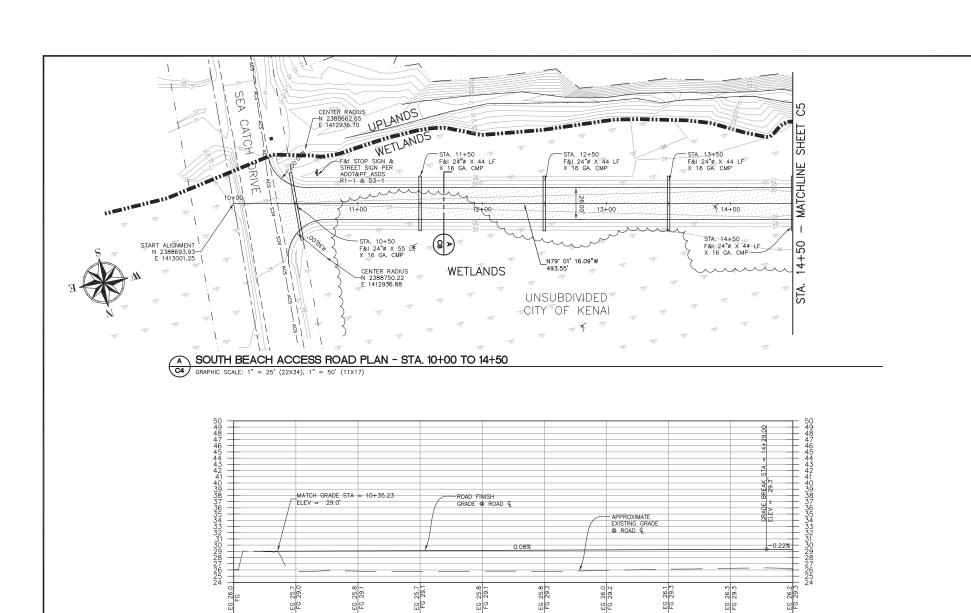
SOUTH BEACH ACCESS ROAD
CITY OF KENAI
ND, ABBREVIATIONS, AND NOTE

PROJECT NO. 1429 DRAWN BY: MZD CHECKED BY: WJN

DATE: 12/16/201
SCALES: NOTED HORIZ. NOTED VERT. NOTED SHEET: C2
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12+00

13+00

14+00

10+00

11+00

B SOUTH BEACH ACCESS ROAD PROFILE - STA. 10+00 TO 14+50

C4 HORIZONTAL SCALE: 1" = 25' (22X34), 1" = 50' (11X17); VERTICAL SCALE: 1" = 5' (22X34), 1" = 10' (11X17)

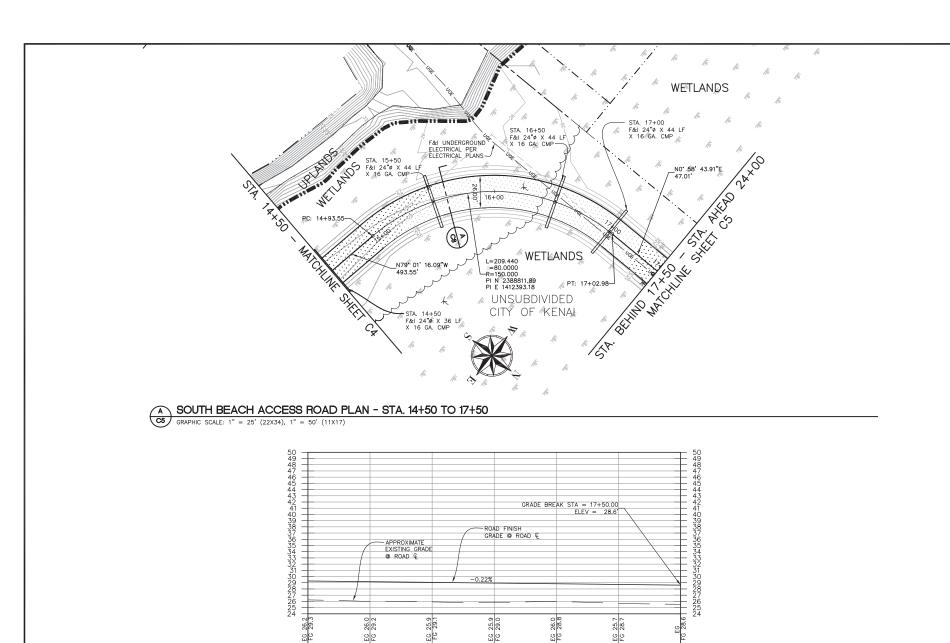
POA-2014-502, Cook Inlet Sheet 4 of 11 February 13, 2015 City of Kenai SOUTH BEACH ACCESS ROAD CITY OF KENAI

AND

PROJECT NO. 1429 DRAWN BY: MZD CHECKED BY:

DATE: 12/16/2014
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: C4

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8 8

17+00

B SOUTH BEACH ACCESS ROAD PROFILE - STA. 14+50 TO 17+50

C5 HORIZONTAL SCALE: 1" = 25' (22X34), 1" = 50' (11X17); VERTICAL SCALE: 1" = 5' (22X34), 1" = 10' (11X17) SOUTH BEACH ACCESS ROAD PROFILE - STA. 14+50 TO 17+50





SOUTH BEACH ACCESS ROAD CITY OF KENAI

PLAN AND PROFILE

BEACH PROJECT NO. 1429 DRAWN BY: MZD

CHECKED BY: DATE: 12/16/201 SCALES: NOTED HORIZ. NOTED VERT. NOTED

POA-2014-502. Cook Inlet

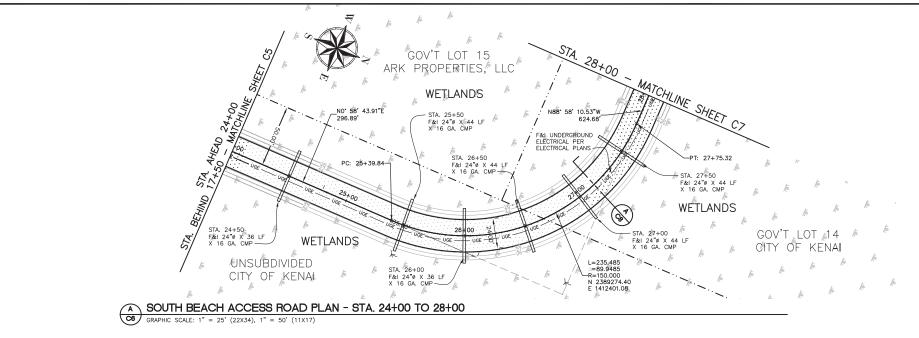
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City of Kenai

February 13, 2015

SHEET: C5

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5545555444444444333333333333222222 55432510987654444444444333333333333222222 ROAD FINISH GRADE @ ROAD & APPROXIMATE ◎ ROAD € -0.04% EG 25.2 FG 28.5 EG 25.5 FG 28.6 EG 25.4 FG 28.6 EG 25.2 FG 28.6 EG 25.2 FG 28.5 EG 25.5 FG 28.6 EG 25.1 FG 28.5 25+00 27+00 28+00

B SOUTH BEACH ACCESS ROAD PROFILE - STA. 24+00 TO 28+00

ROSE HORIZONTAL SCALE: 1" = 25' (22X34), 1" = 50' (11X17); VERTICAL SCALE: 1" = 5' (22X34), 1" = 10' (11X17) SOUTH BEACH ACCESS ROAD PROFILE - STA. 24+00 TO 28+00







SOUTH BEACH ACCESS ROAD CITY OF KENAI

PLAN AND PROFILE

PROJECT NO. 1429 DRAWN BY: MZD CHECKED BY:

DATE: 12/16/201 SCALES: NOTED HORIZ. NOTED VERT. NOTED SHEET: C6

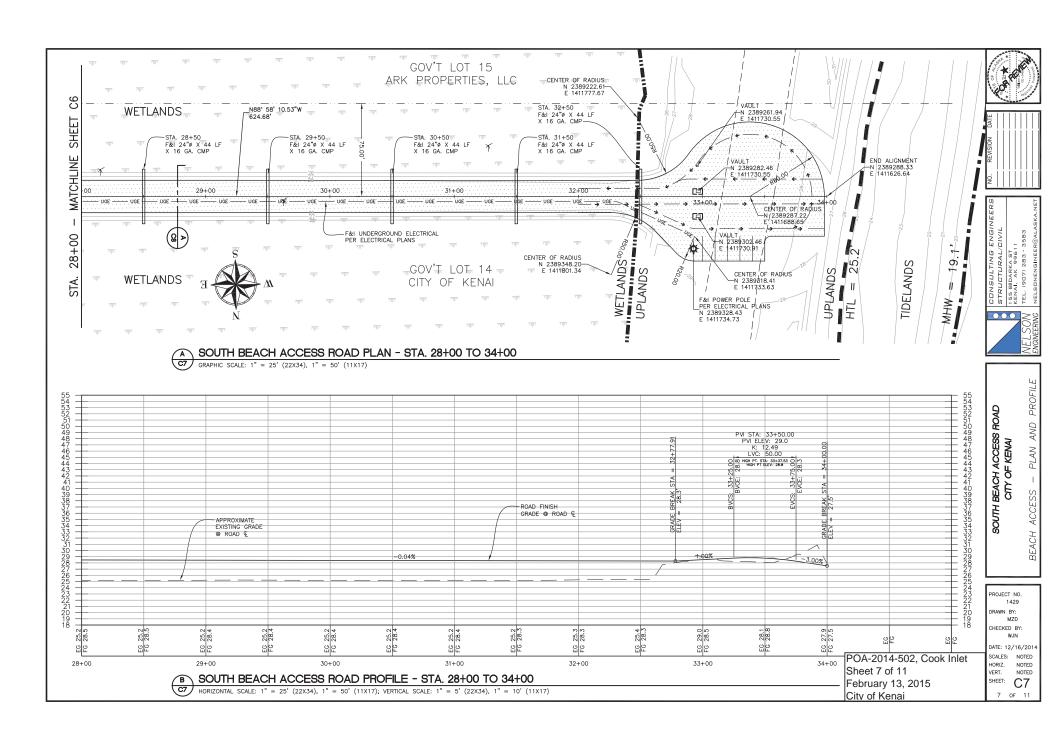
POA-2014-502, Cook Inlet

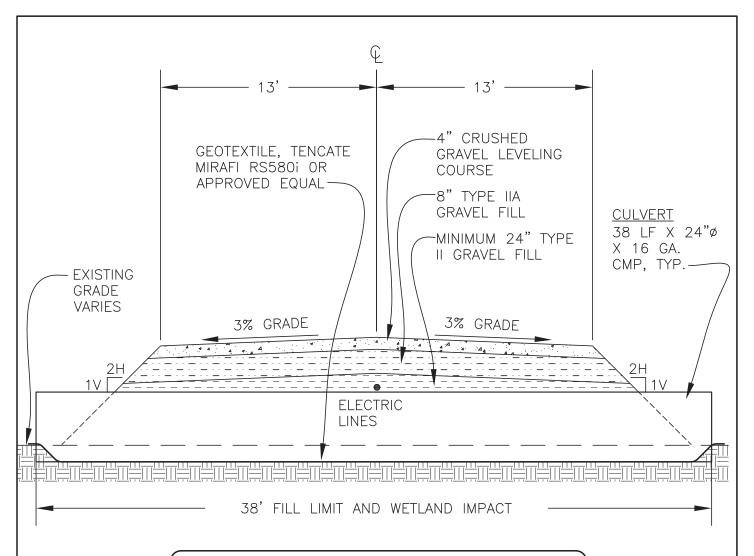
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City of Kenai

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# TYPICAL ROAD SECTION NOTES

- 1. PLACE GEOTEXTILE DIRECTLY ON EXISTING GROUND AND OVERLAPPED A MINIMUM OF 36".
- 2. PLACE ALL GRAVEL FILL IN LOOSE LIFTS NOT EXCEEDING 12" THICKNESS AND COMPACT TO 95% OF MAXIMUM DRY DENSITY.
- 3. INITIAL 2' LIFT OF FILL MAY BE PLACED ON GEOTEXTILE PRIOR TO COMPACTING.

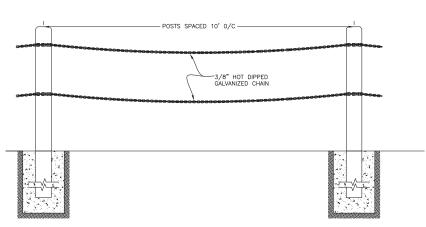


DESCRIPTION: SOUTH BEACH ACCESS ROAD

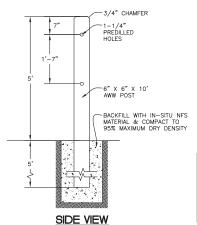
WETLANDS IMPACT
TYPICAL ROAD SECTION

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## FRONT VIEW



- FENCE NOTES

  1. 6" X 6" X 10' AWW POST WITH 3/4" CHAMFER ON ONE END
  2. INCISED TREATMENT OK & COLOR TO BE BROWN
  3. #2 OR BETTER HEM-FIR
  4. 0.60 POF TREATMENT
  4. 0.60 POF TREATMENT
  5. PRE-DRILLED 1-1/4" HOLES SPACED AS SHOWN, HOLES & CHAMFER ON ONE END SHALL BE DRILLED AND CUT PRIOR TO WOOD TREATMENT.
  6. LOCATE FENCE IN UPLAND ZONE AS DIRECTED BY THE ENGINEER.

PROJECT NO. 1429 DRAWN BY: MZD CHECKED BY:

POA-2014-502, Cook Inlet HORIZ. VERT. SHEET:

B UPLAND FENCE DETAILS

GRAPHIC SCALE: NTS

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SOUTH BEACH ACCESS ROAD CITY OF KENAI FENCE PLAN AND

WJN DATE: 12/16/2014 SCALES: NOTED NOTED NOTED

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