

FERC Docket No. PF09-11-000

APPENDIX 1E TYPICAL DRAWINGS



ALASKA PIPELINE PROJECT DRAFT RESOURCE REPORT 1 GENERAL PROJECT DESCRIPTION APPENDIX 1E

FERC Docket No. PF09-11-000

PAGE 1E-1

TYPICAL DRAWING NUMBER	REV.	DRAWING CATEGORY	DRAWING DESCRIPTION
TRENCH-01	E	TRENCH MODES	BURIED PIPE IN EXCAVATOR TRENCH
TRENCH-03	С	TRENCH MODES	BURIED PIPE IN ROCK TRENCH
ROW-01	В	RIGHT-OF-WAY MODES	NORTH SLOPE (WINTER)
ROW-02	E	RIGHT-OF-WAY MODES	WINTER
ROW-03	F	RIGHT-OF-WAY MODES	SUMMER
ROW-04	В	RIGHT-OF-WAY MODES	CROSS SLOPES - NORTH SLOPE (WINTER)
ROW-05A	F	RIGHT-OF-WAY MODES	CROSS SLOPES (WINTER)
ROW-05B	А	RIGHT-OF-WAY MODES	CROSS SLOPES (SUMMER)
ROW-06	С	RIGHT-OF-WAY MODES	POINT THOMSON GAS TRANSMISSION PIPELINE (WINTER)
ROW-21	E	RIGHT-OF-WAY MODES	ADDITIONAL TEMPORARY WORKSPACE 1/2
ROW-22	D	RIGHT-OF-WAY MODES	ADDITIONAL TEMPORARY WORKSPACE 2/2
ROAD-01	Н	ROAD CROSSINGS	ROAD CROSSINGS
FP-01	E	THIRD-PARTY "FOREIGN" PIPELINE AND UTILITY CROSSINGS	THIRD-PARTY "FOREIGN" PIPELINES
UT-01	E	THIRD-PARTY "FOREIGN" PIPELINE AND UTILITY CROSSINGS	BURIED UTILITY
WB-01	F	WATERBODY CROSSINGS	MAJOR/INTERMEDIATE - TRENCHED
WB-02	E	WATERBODY CROSSINGS	MAJOR/INTERMEDIATE - HDD
WB-03A	E	WATERBODY CROSSINGS	MAJOR/INTERMEDIATE - UNSUPPORTED OR SUPPORTED SPANBRIDGE
WB-03C	В	WATERBODY CROSSINGS	MAJOR/INTERMEDIATE - CABLE SUPPORTED SPAN
BC-01	С	BUOYANCY CONTROL	CONCRETE COATING
BC-02	D	BUOYANCY CONTROL	SADDLE BAGS
BC-03	D	BUOYANCY CONTROL	BOLT-ON RIVER WEIGHTS
BC-04	D	BUOYANCY CONTROL	SCREW ANCHORS
BC-05	С	BUOYANCY CONTROL	SET-ON WEIGHTS
CC-01	E	CORROSION CONTROL	COATINGS



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FERC Docket No. PF09-11-000

PAGE 1E-2

TYPICAL DRAWING NUMBER	REV.	DRAWING CATEGORY	DRAWING DESCRIPTION
CC-02	E	CATHODIC PROTECTION	TYPICAL DEEP VERTICAL ANODE BED
CC-03	D	CATHODIC PROTECTION	TYPICAL HORIZONTAL ANODE BED
FC-01	D	FRACTURE CONTROL	TYPICAL FRACTURE CONTROL METHOD
ACC-01	D	ACCESS ROADS	TYPICAL PERMANENT ROAD SECTIONS
ACC-03	D	ACCESS ROADS	TYPICAL TEMPORARY SNOW/ICE ROAD SECTION
ACC-05	D	ACCESS ROADS	TYPICAL TEMPORARY SHOOFLY ROAD PLAN/SECTION
ACC-06	С	ACCESS ROADS	TYPICAL TEMPORARY GRANULAR ROAD OFF HIGHWAY
FAC-05	F	PIPELINE FACILITIES	TYPICAL MAINLINE BLOCK VALVE PLOT PLAN
FAC-08A	Е	PIPELINE FACILITIES	TYPICAL TEE AND VALVE GAS DELIVERY POINT PLOT PLAN
CONST-02	D	CONSTRUCTION TYPICALS	HORIZONTAL BORING/DRILLING ROADS
CONST-03	F	CONSTRUCTION TYPICALS	OPEN-CUT ROADS
CONST-04	F	CONSTRUCTION TYPICALS	WATERBODIES – MAJOR/INTERMEDIATE OPEN-CUT
CONST-05	F	CONSTRUCTION TYPICALS	WATERBODIES – MINOR OPEN-CUT
CONST-06	F	CONSTRUCTION TYPICALS	WATERBODIES - ISOLATED OPEN-CUT - DAM AND PUMP
CONST-07	F	CONSTRUCTION TYPICALS	WATERBODIES - ISOLATED OPEN-CUT - DAM AND FLUME
CONST-08	F	CONSTRUCTION TYPICALS	WATERBODIES - ISOLATED OPEN-CUT - DAM AND DIVERT
CONST-09	С	CONSTRUCTION TYPICALS	WATERBODIES - HORIZONTAL DIRECTIONAL DRILL
CONST-11	D	CONSTRUCTION TYPICALS	EQUIPMENT CROSSING – FORD
CONST-12	С	CONSTRUCTION TYPICALS	EQUIPMENT CROSSING - MAT BRIDGE
CONST-13	D	CONSTRUCTION TYPICALS	EQUIPMENT CROSSING - MAT ROCK/CULVERT BRIDGE
CONST-14	D	CONSTRUCTION TYPICALS	EQUIPMENT CROSSING - ROCK/CULVERT BRIDGE
CONST-15	С	CONSTRUCTION TYPICALS	EQUIPMENT CROSSING - ICE BRIDGE
CONST-16	D	CONSTRUCTION TYPICALS	EQUIPMENT CROSSING - CLEAN SNOW FILL
CONST-17	D	CONSTRUCTION TYPICALS	EQUIPMENT CROSSING - LOG FILL

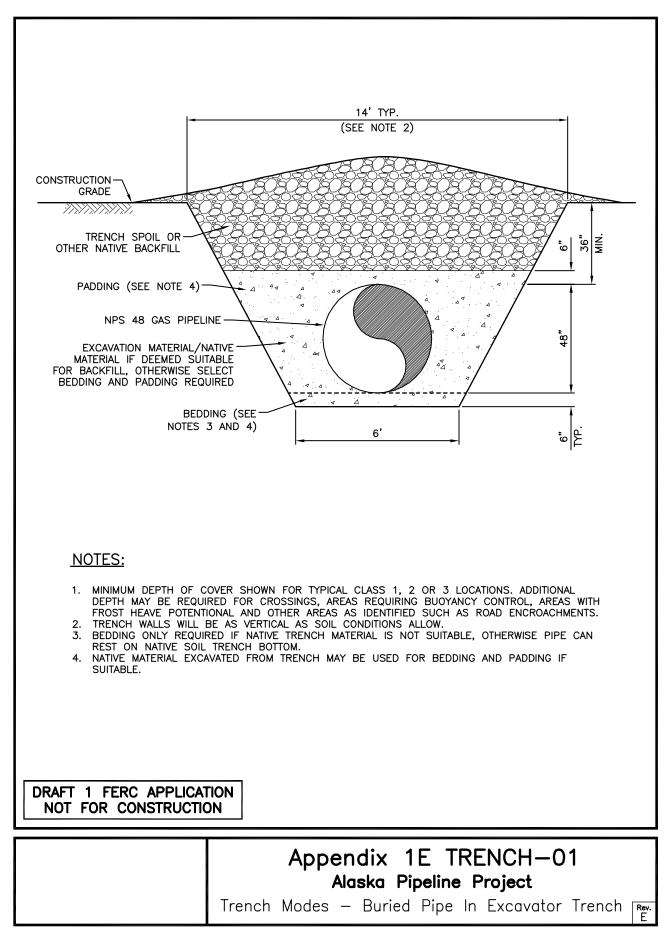


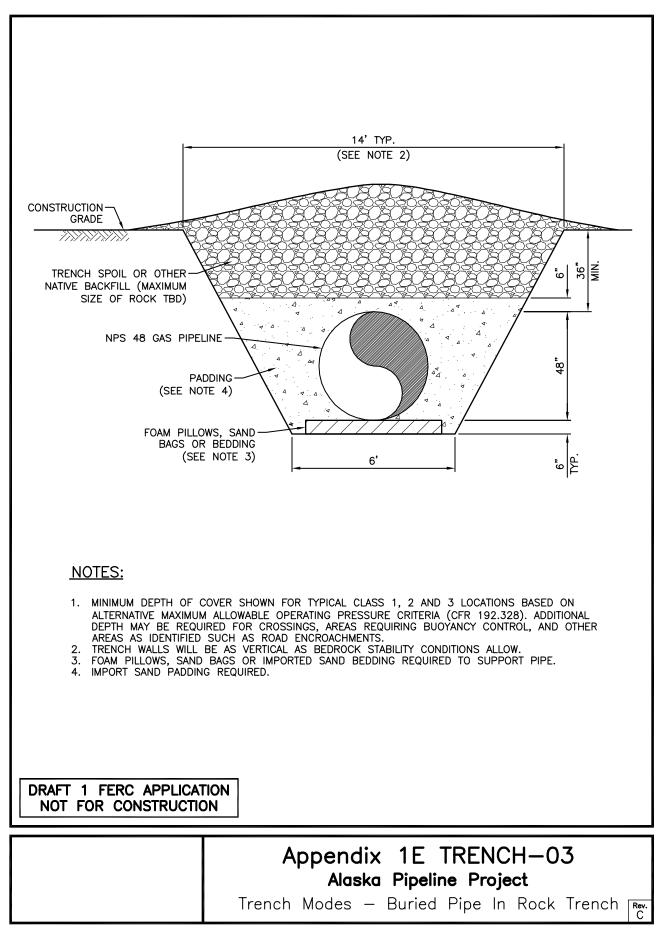
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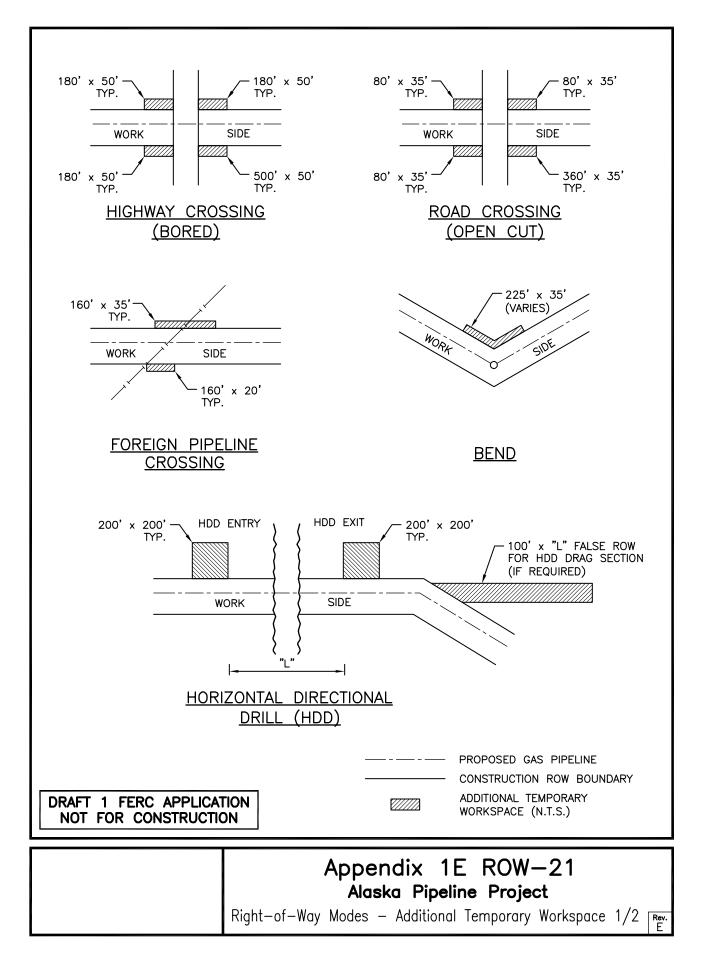
FERC Docket No. PF09-11-000

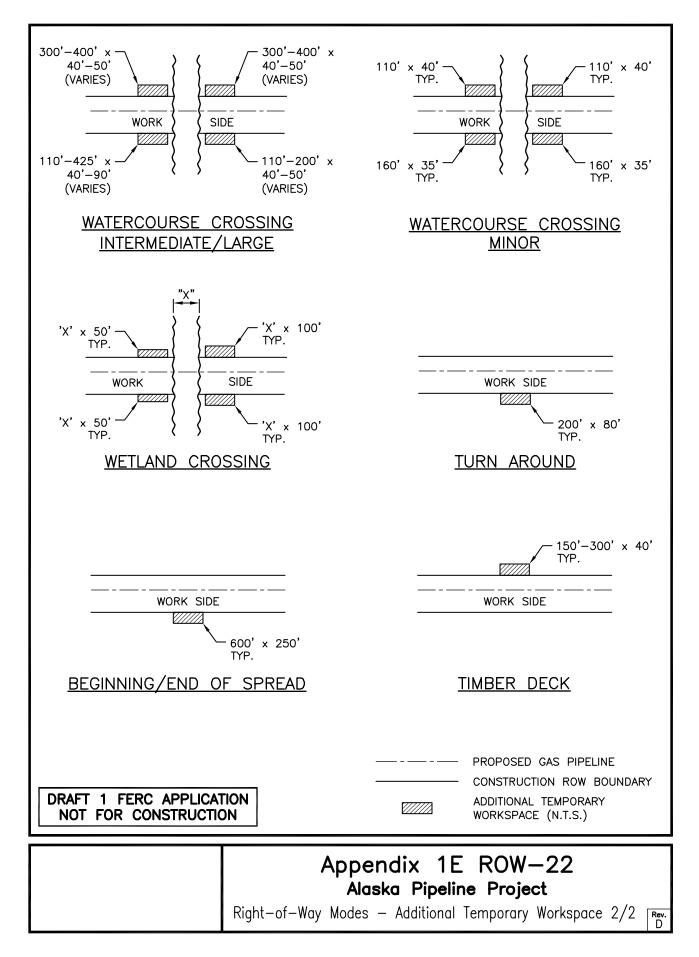
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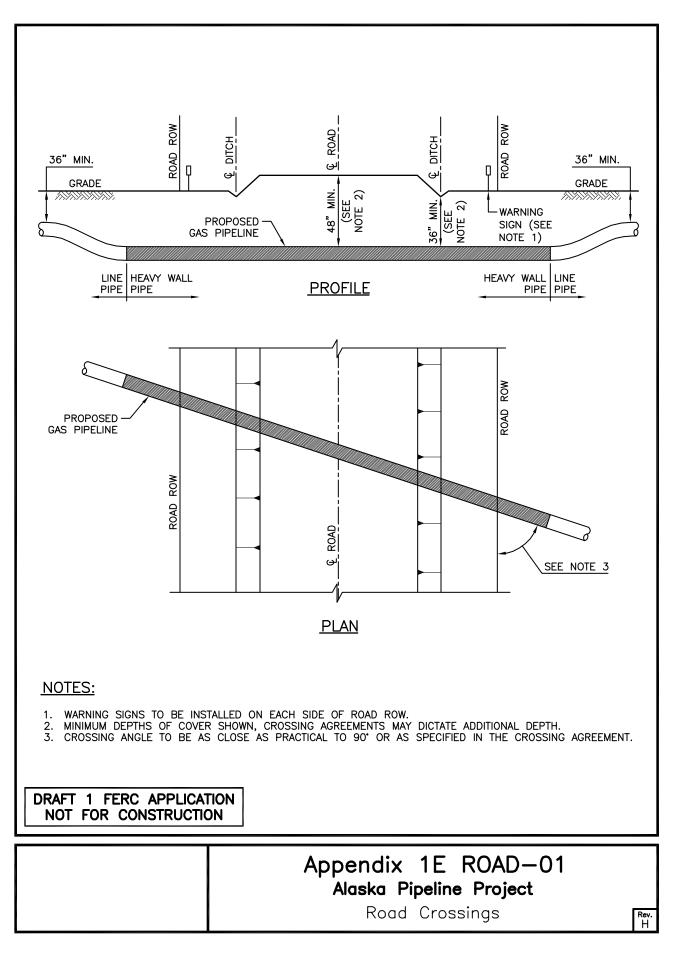
TYPICAL DRAWING NUMBER	REV.	DRAWING CATEGORY	DRAWING DESCRIPTION
CONST-20	F	CONSTRUCTION TYPICALS	HELIPADS
CONST-22A	С	CONSTRUCTION TYPICALS	1500 PERSON CAMP - 20 ACRES
CONST-22B	С	CONSTRUCTION TYPICALS	750 PERSON CAMP - 10 ACRES
CONST-22C	С	CONSTRUCTION TYPICALS	500 PERSON CAMP - 8 ACRES
CONST-22D	С	CONSTRUCTION TYPICALS	150 PERSON CAMP - 3 ACRES
CONST-22E	С	CONSTRUCTION TYPICALS	50 PERSON CAMP - 2 ACRES
CONST-23A	С	CONSTRUCTION TYPICALS	PIPE STORAGE/CAMP/ CONTRACTOR YARD - OPTION 1 - 50 ACRES
CONST-23B	С	CONSTRUCTION TYPICALS	PIPE STORAGE/CAMP/ CONTRACTOR YARD - OPTION 2 - 50 ACRES
CONST-23C	С	CONSTRUCTION TYPICALS	PIPE STORAGE/CAMP/ CONTRACTOR YARD - OPTION 3 - 50 ACRES
CONST-23D	В	CONSTRUCTION TYPICALS	STAND ALONE PIPE STORAGE YARD - 20 ACRES
CONST-24	С	CONSTRUCTION TYPICALS	STAND ALONE CONTRACTOR YARD - 8 ACRES
CONST-33	С	CONSTRUCTION TYPICALS	TYPICAL WATER DISCHARGE SITE
CONST-34	D	CONSTRUCTION TYPICALS	HYDROSTATIC TEST POINT
FAULT-01	С	CONCEPTUAL "ZEE" FAULT CROSSINGS DESIGN	STRIKE-SLIP FAULTS
FAULT-02	С	CONCEPTUAL "U" FAULT CROSSING DESIGN	STRIKE-SLIP FAULTS
FAULT-03	С	CONCEPTUAL "ZEE" FAULT CROSSING DESIGN	REVERSE OR THRUST FAULTS

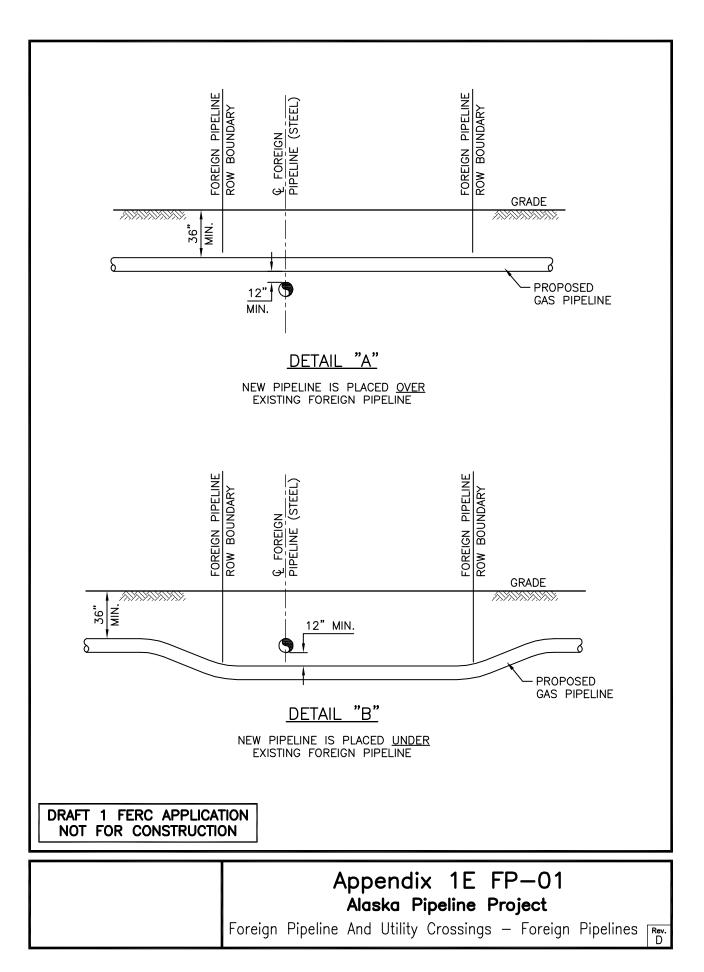


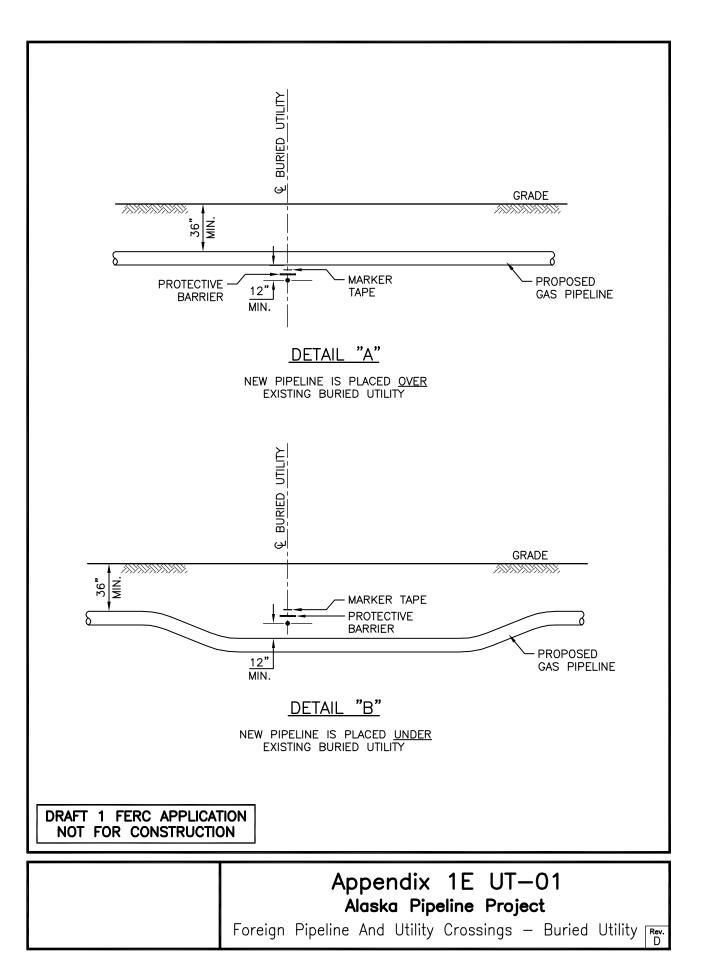


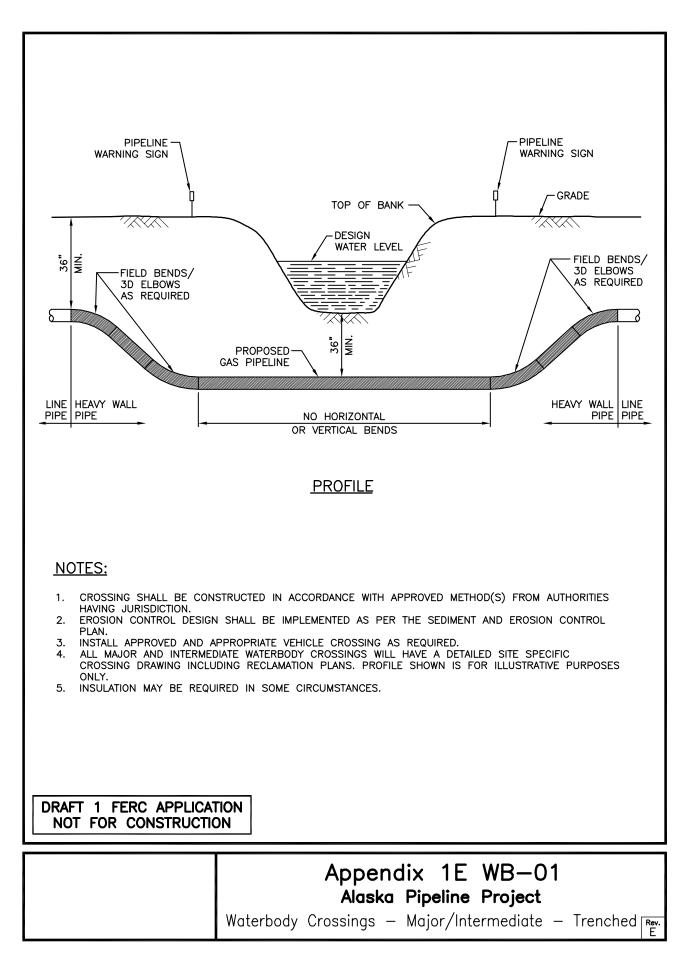


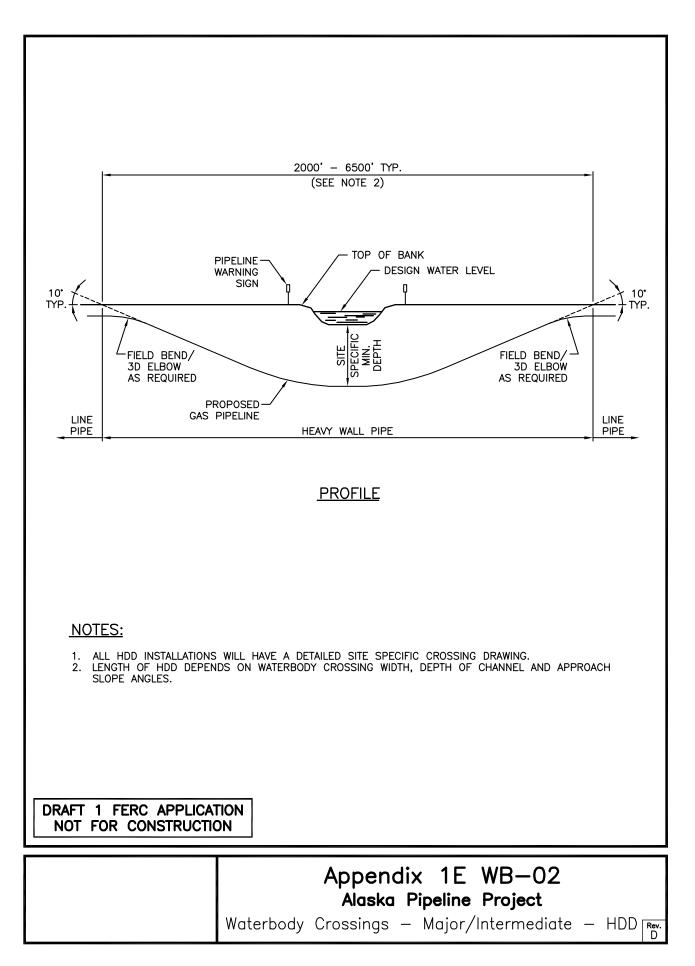


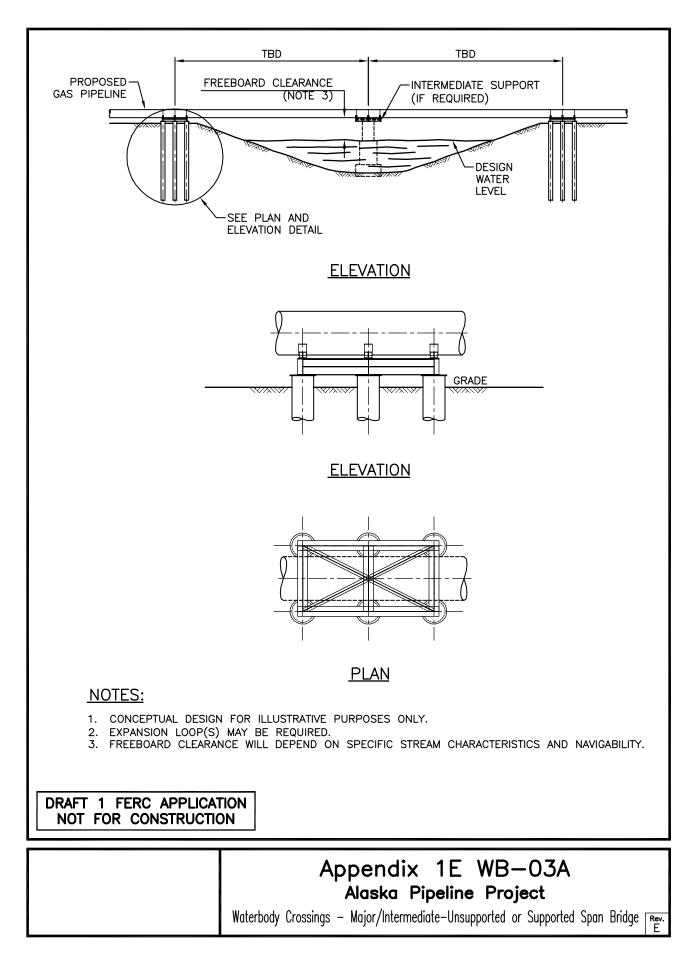


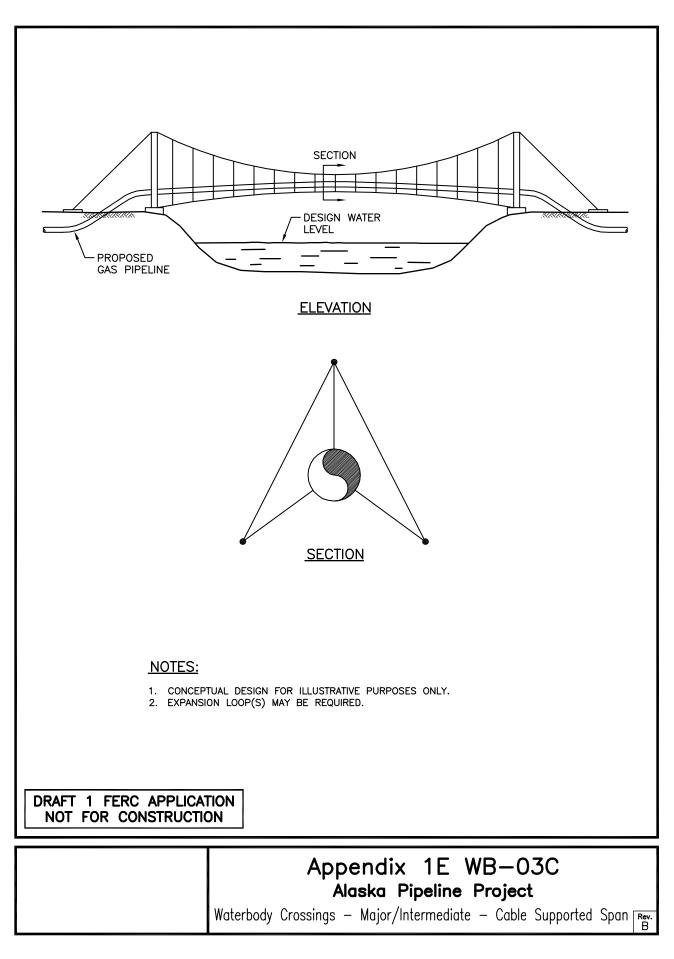


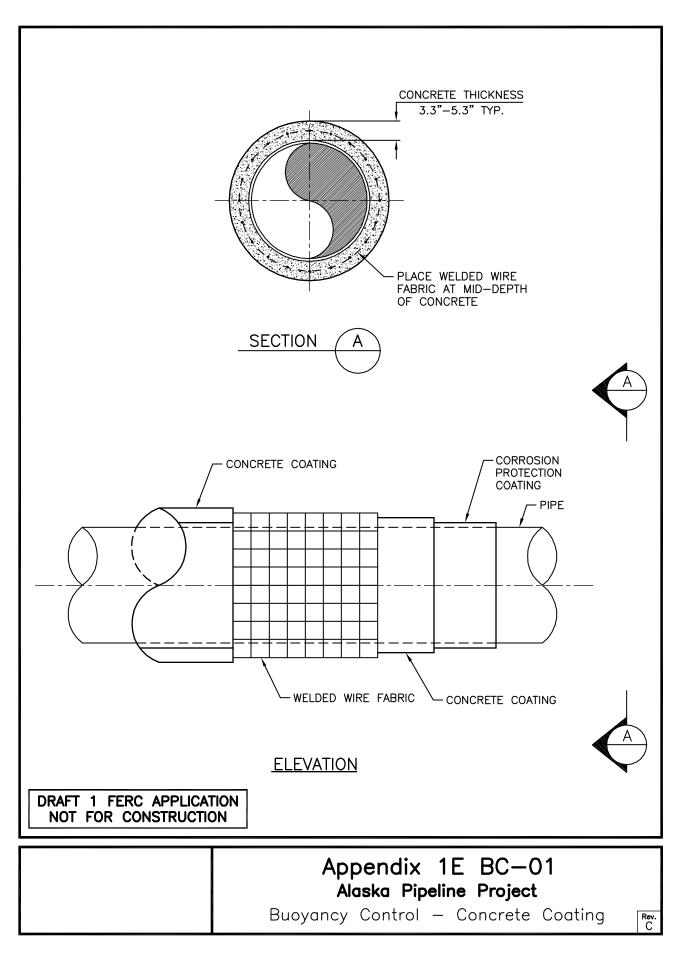


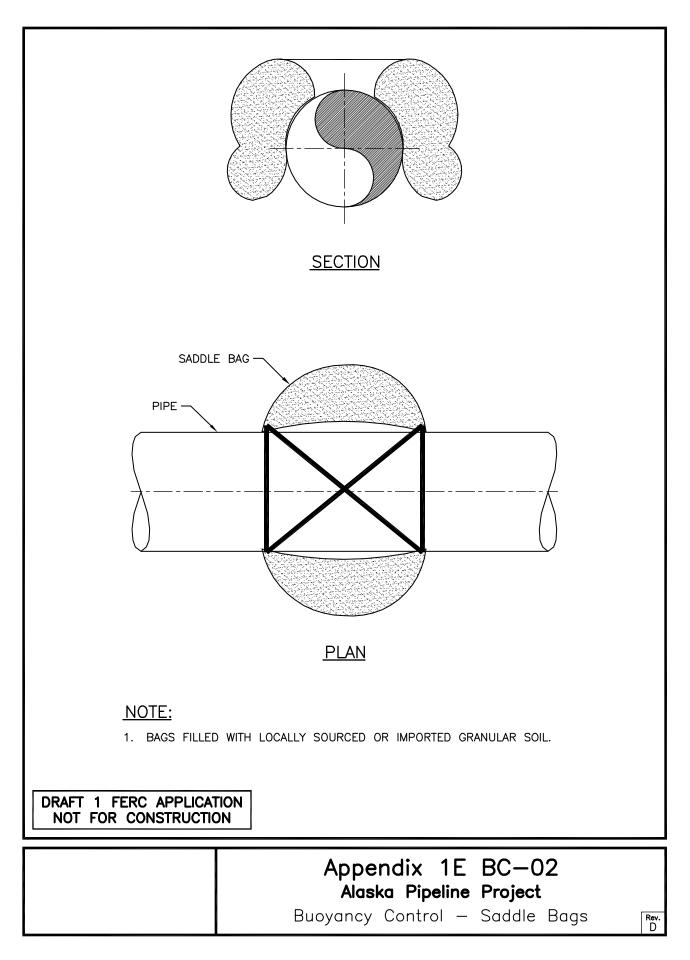


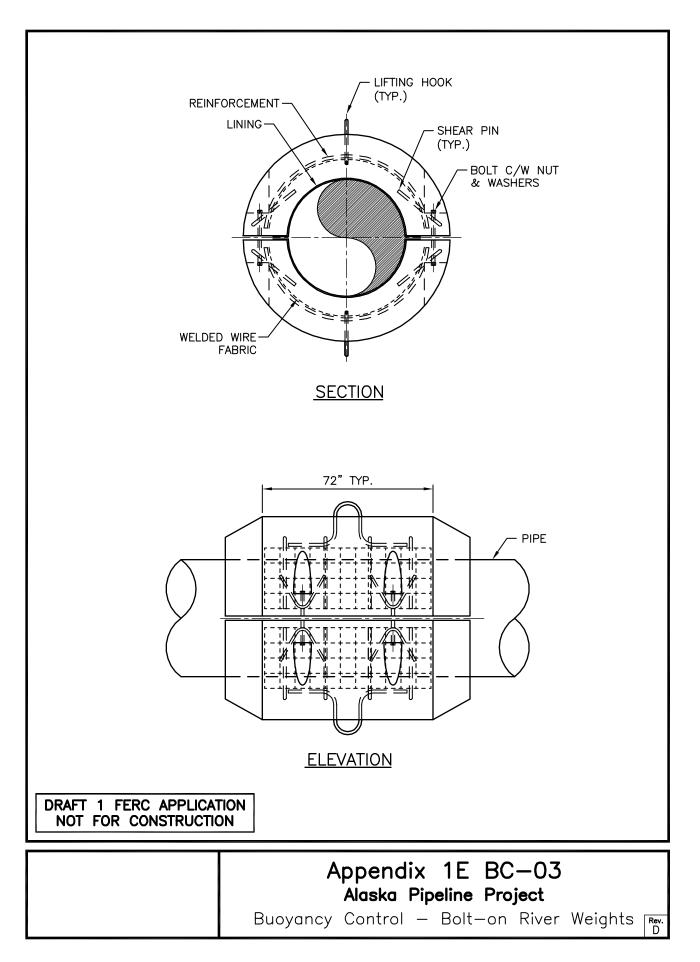


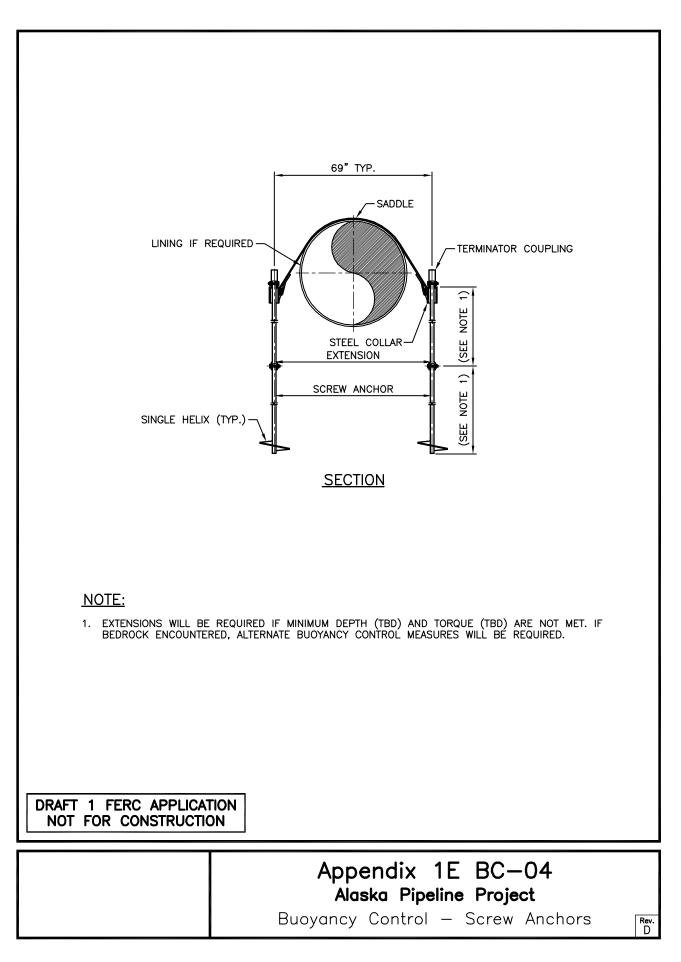


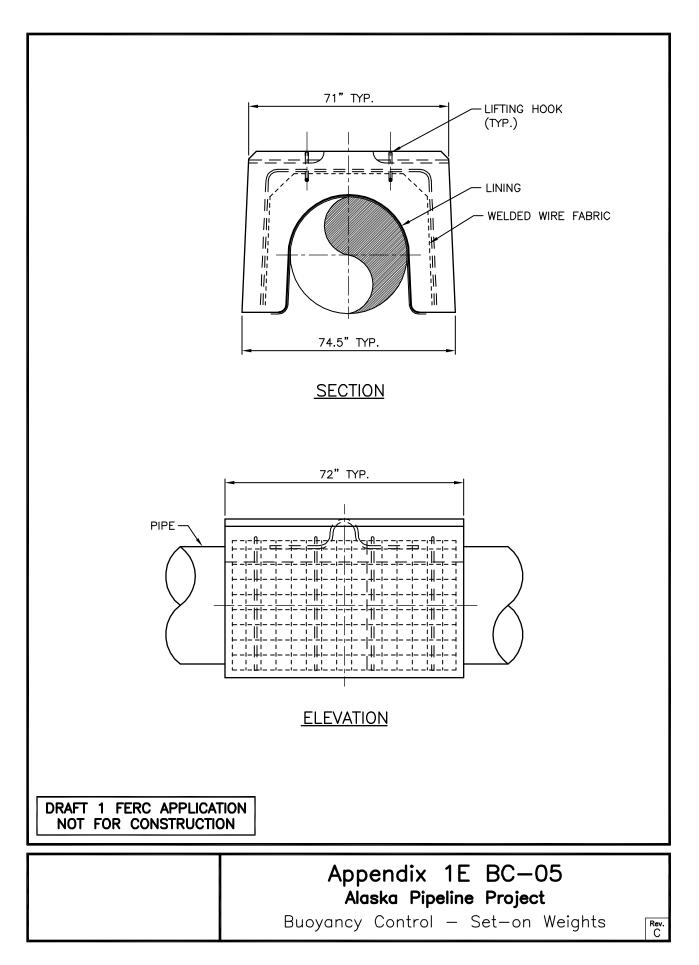


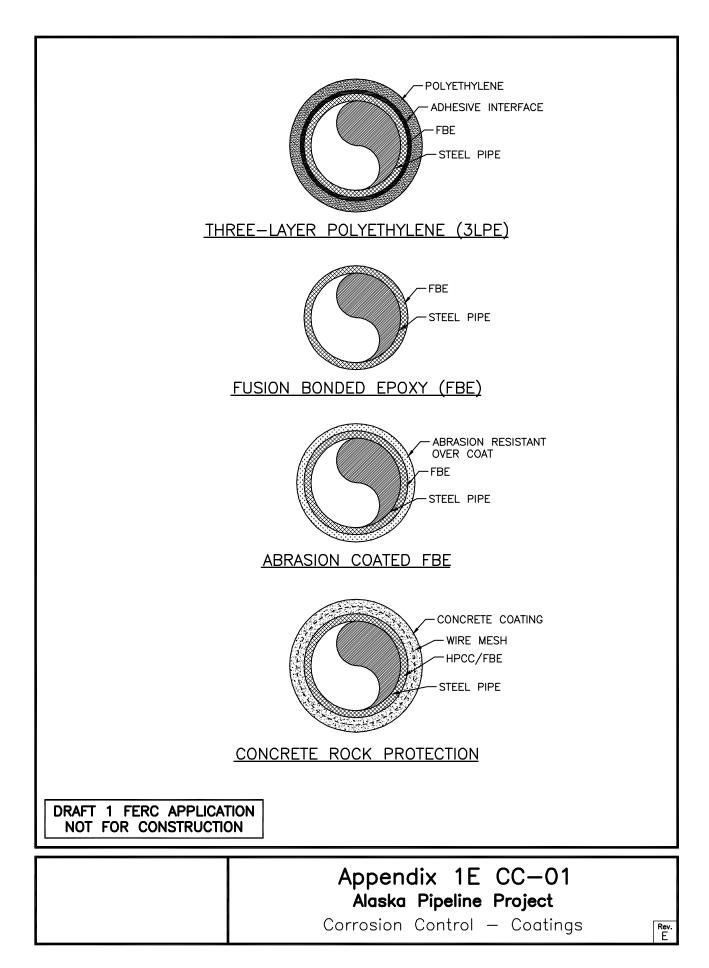


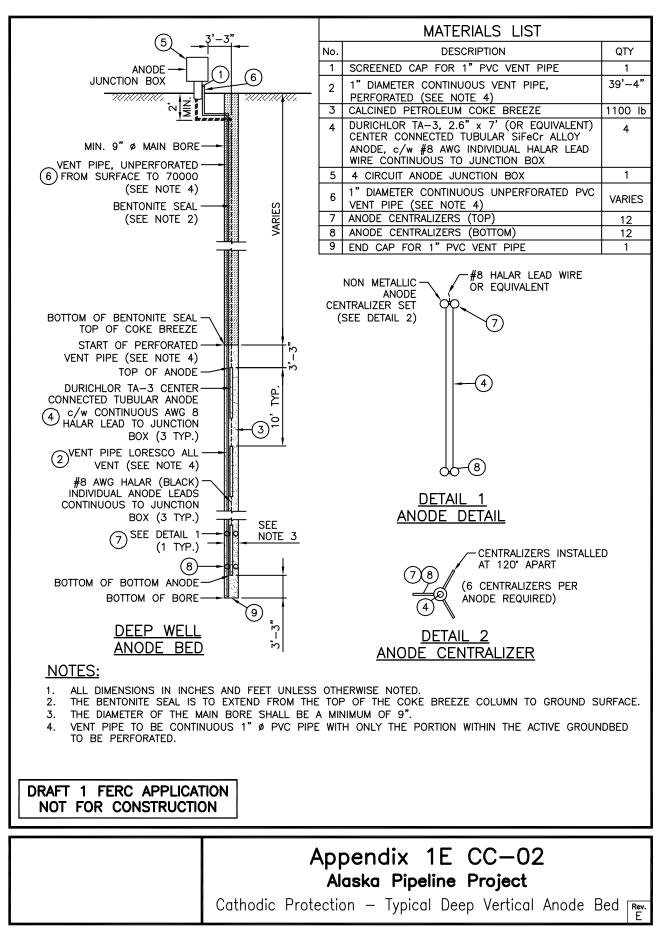


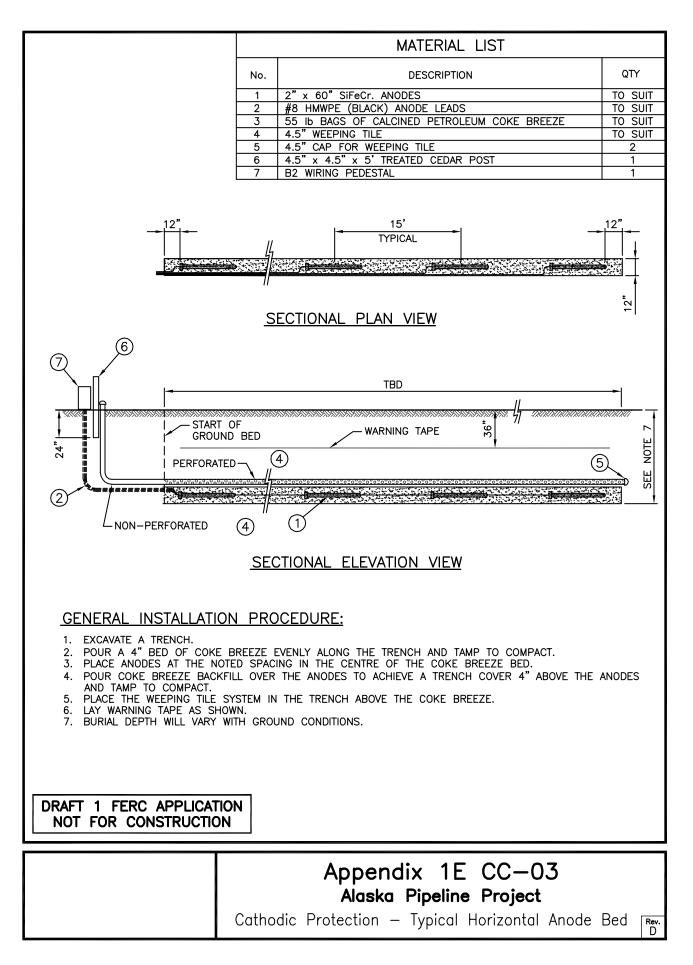


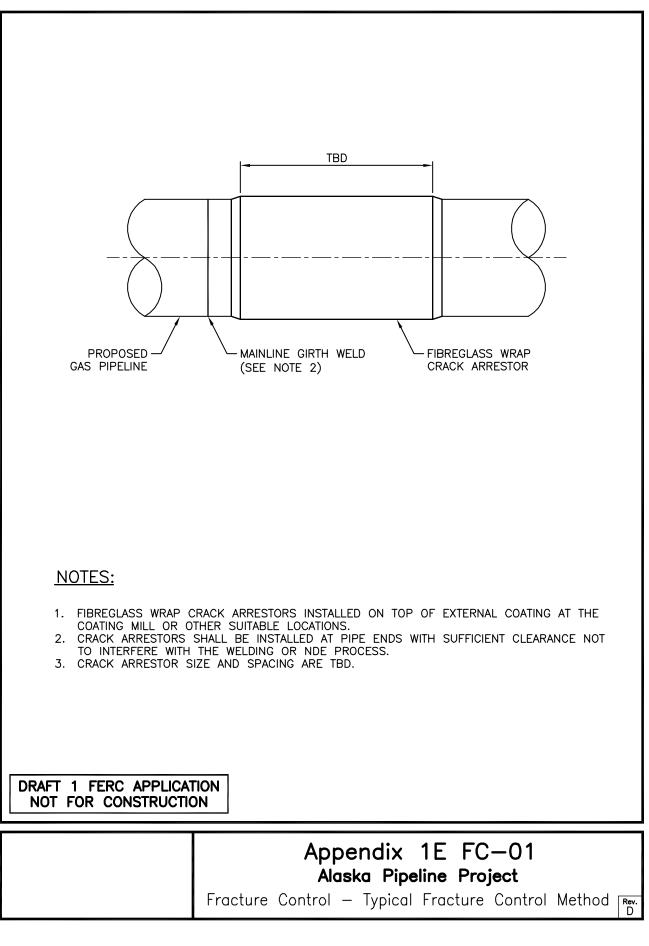


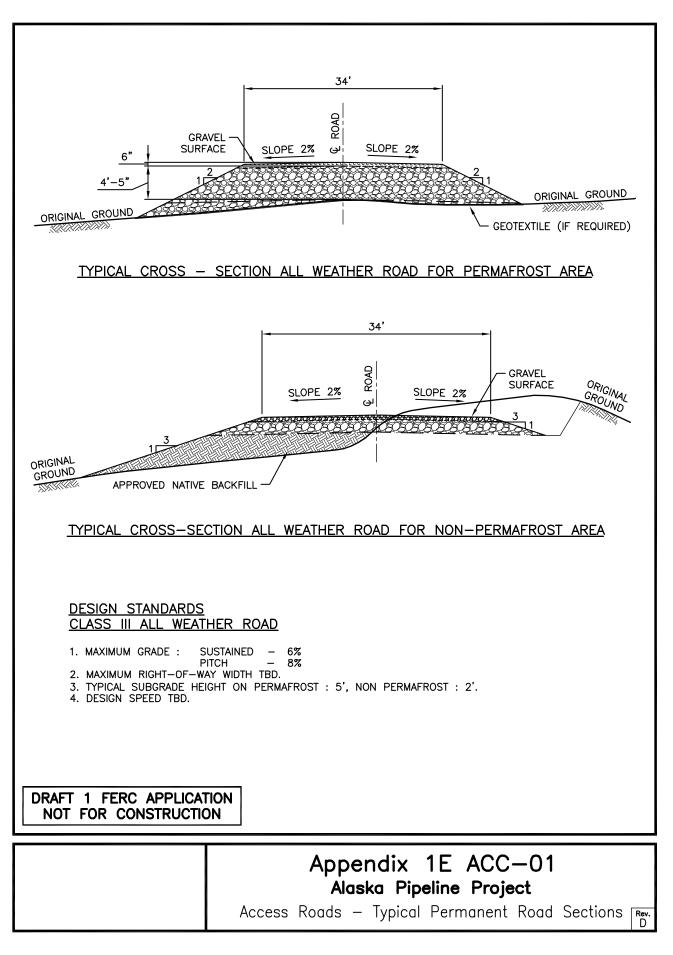


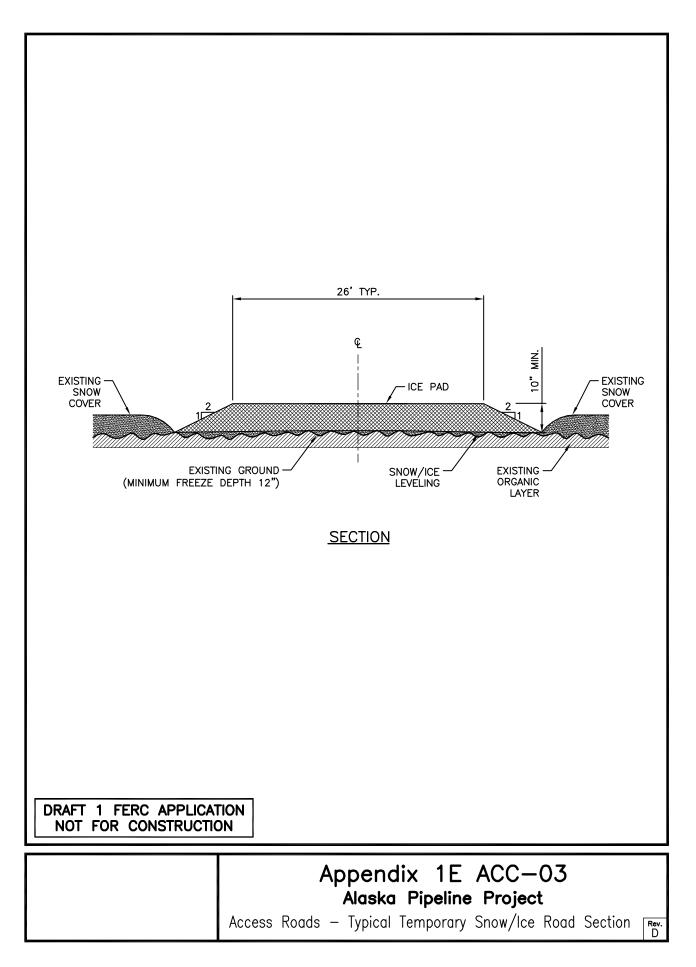


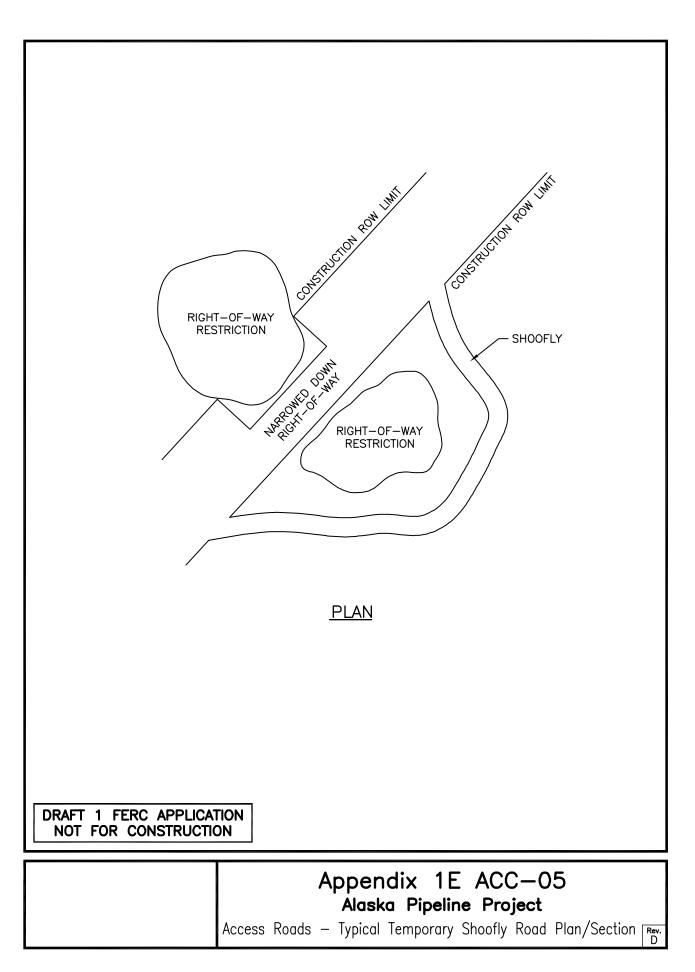


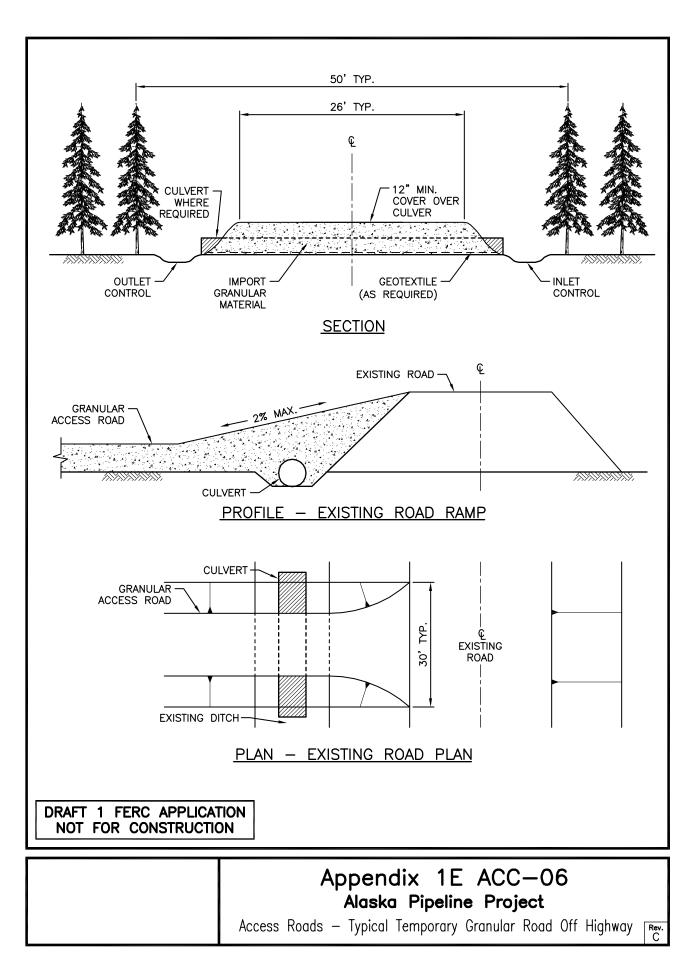


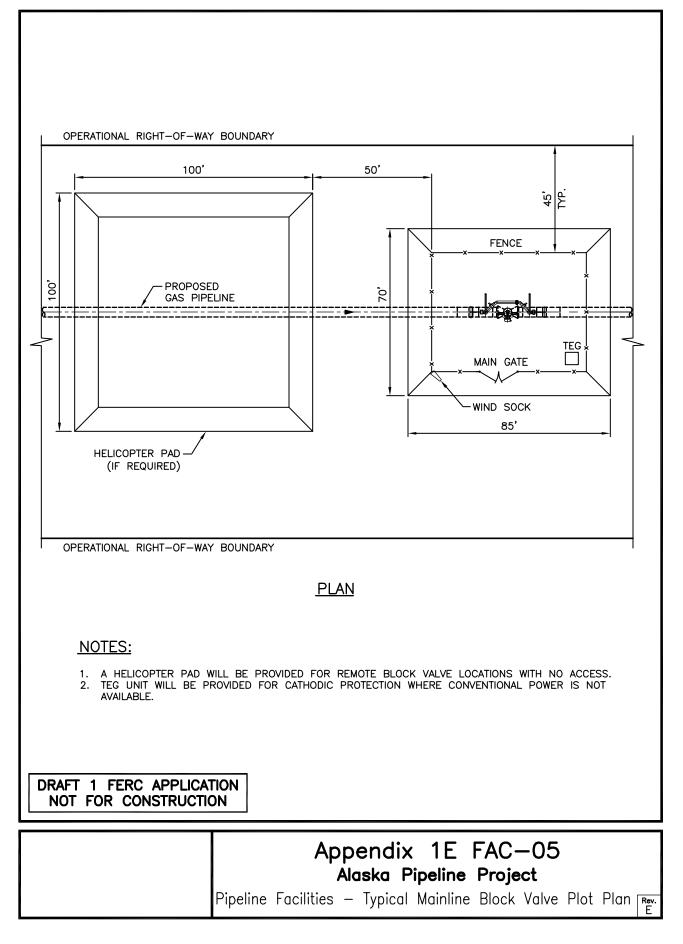


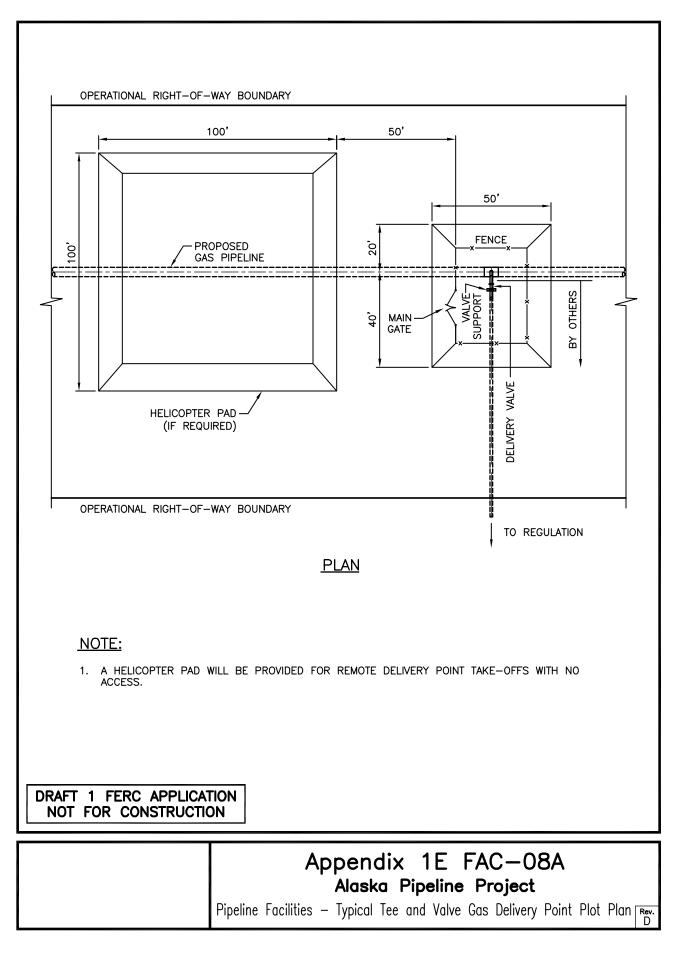


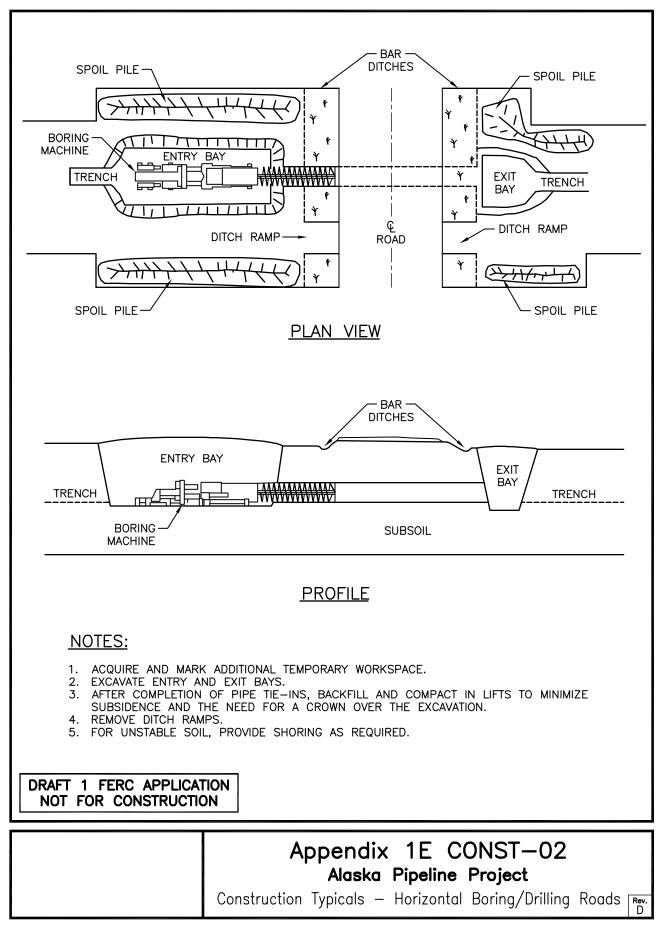


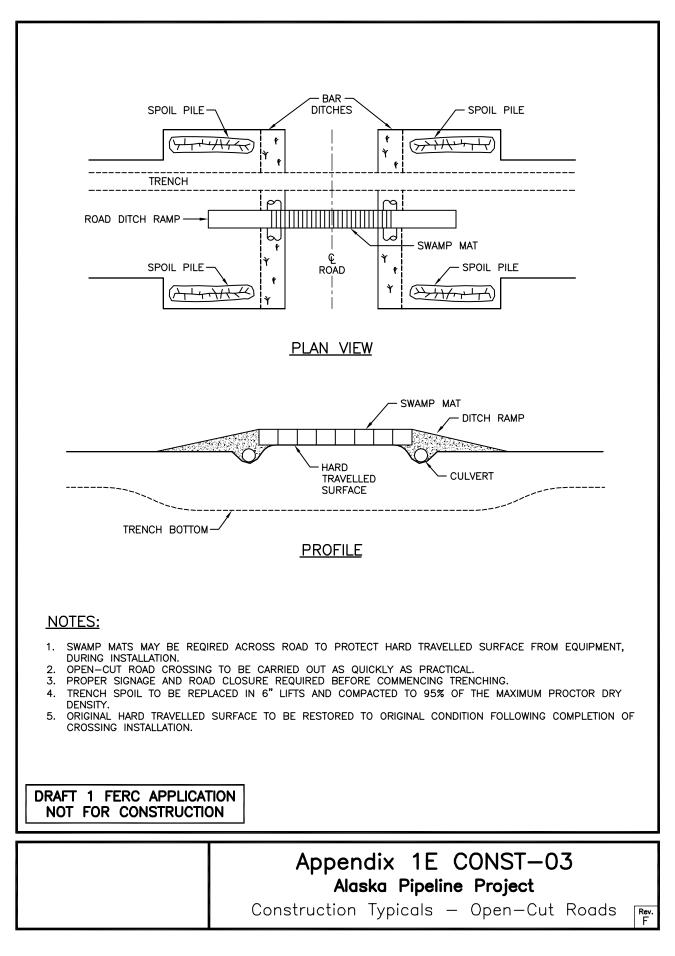


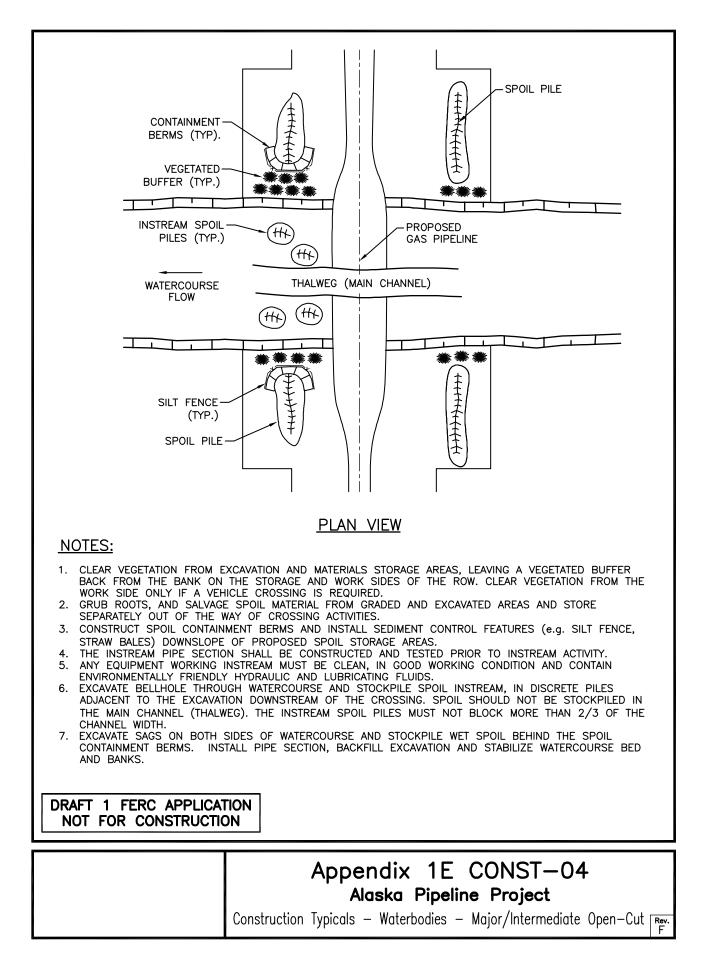


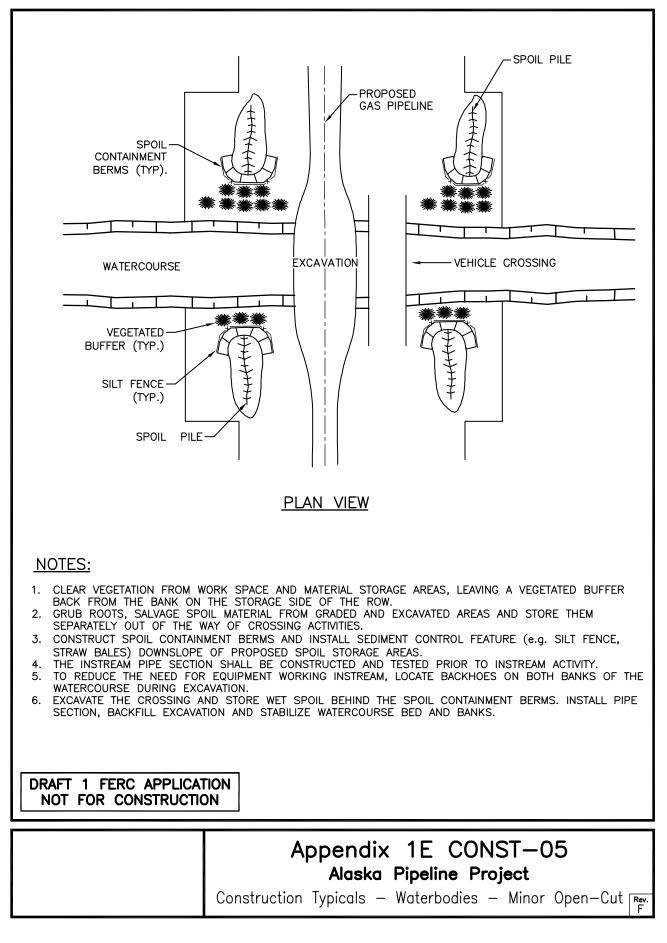


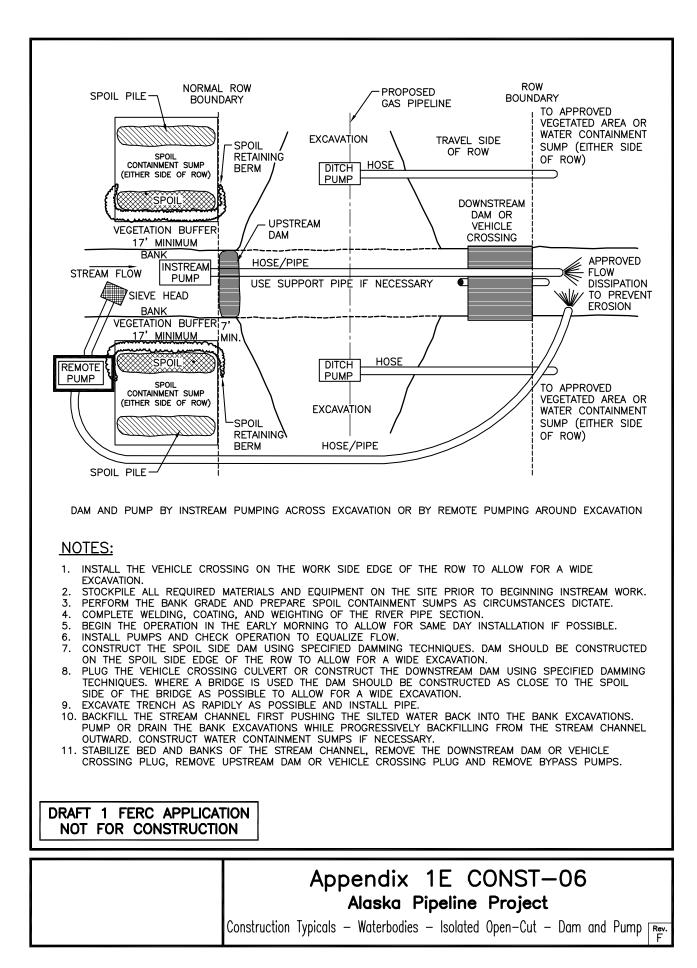


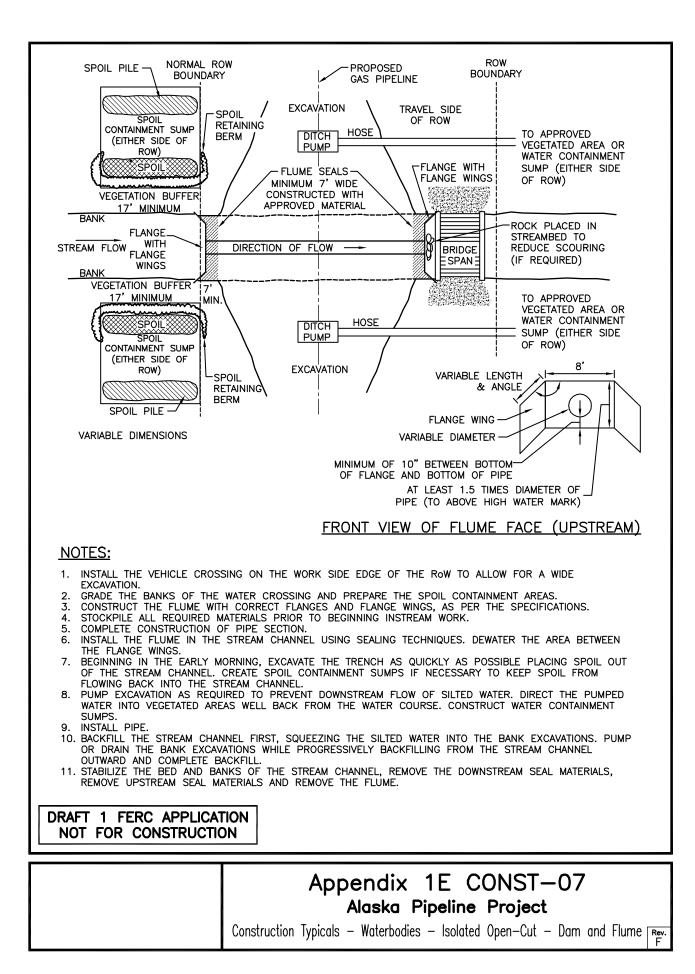


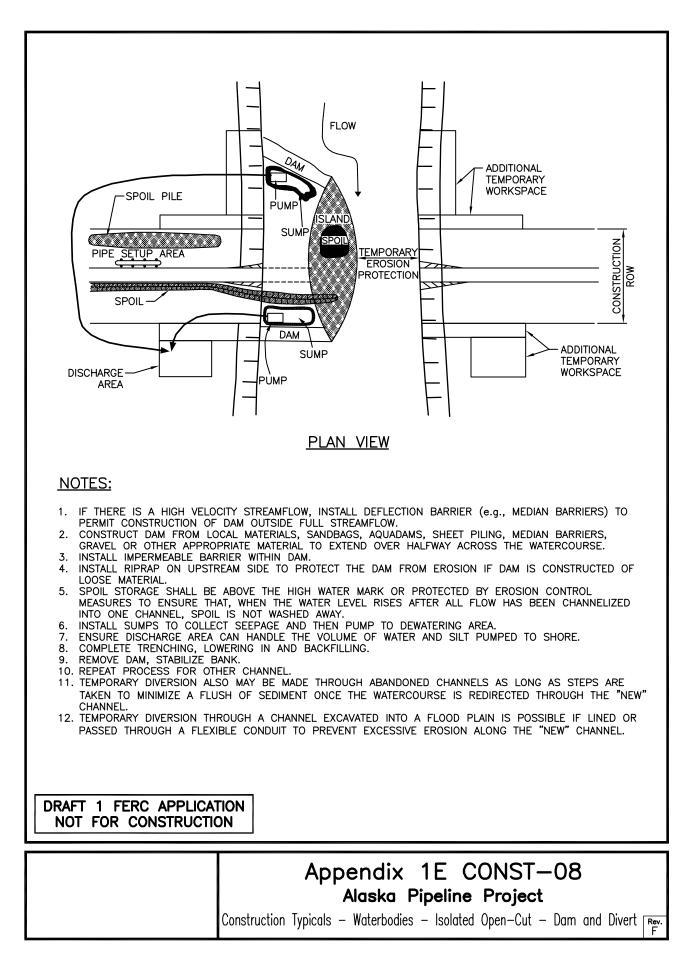


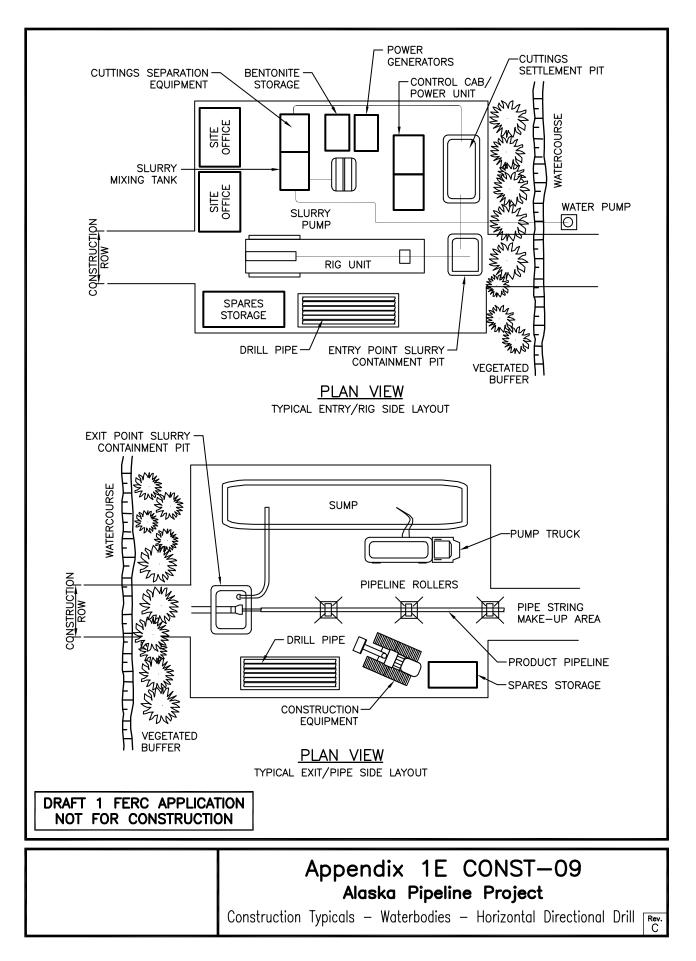


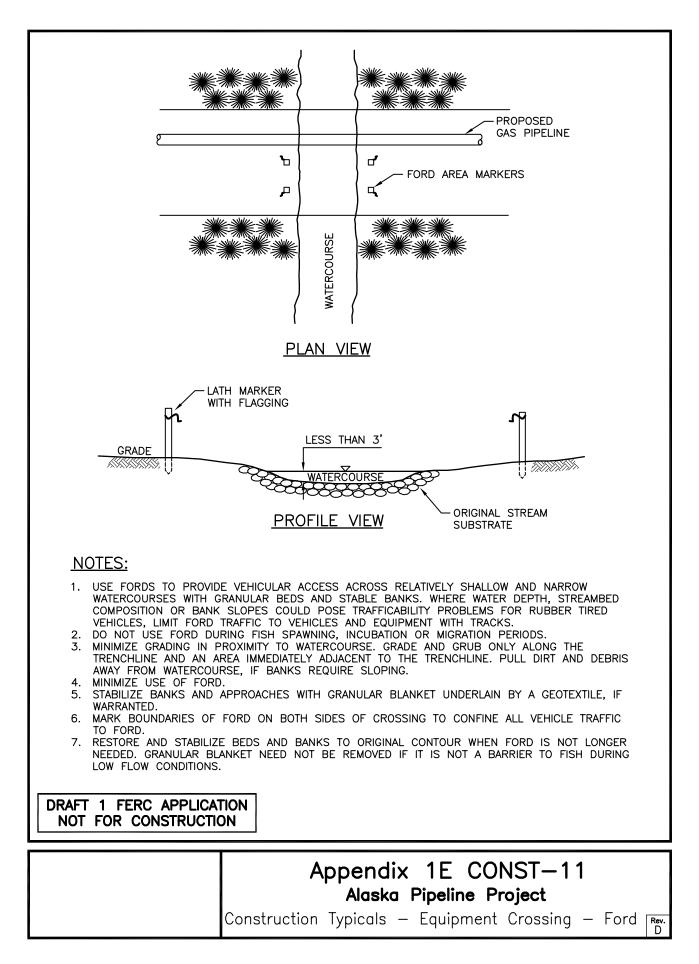


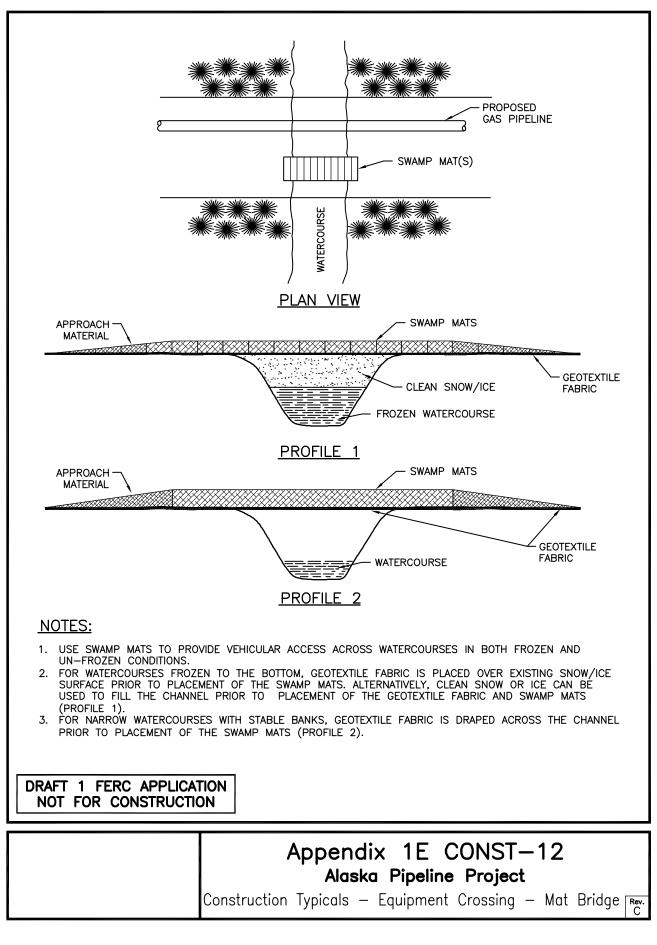


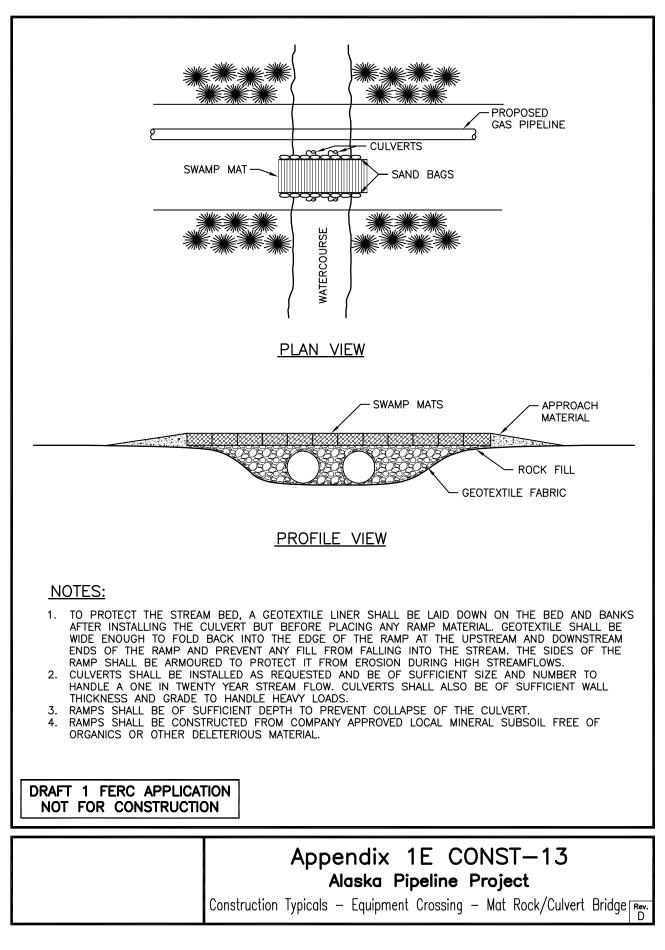


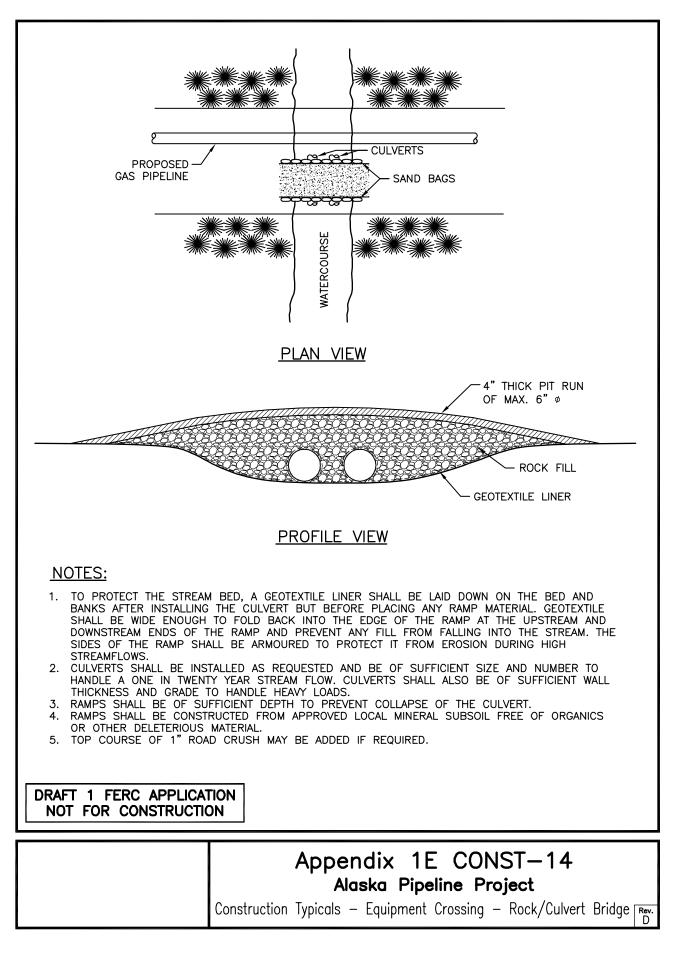


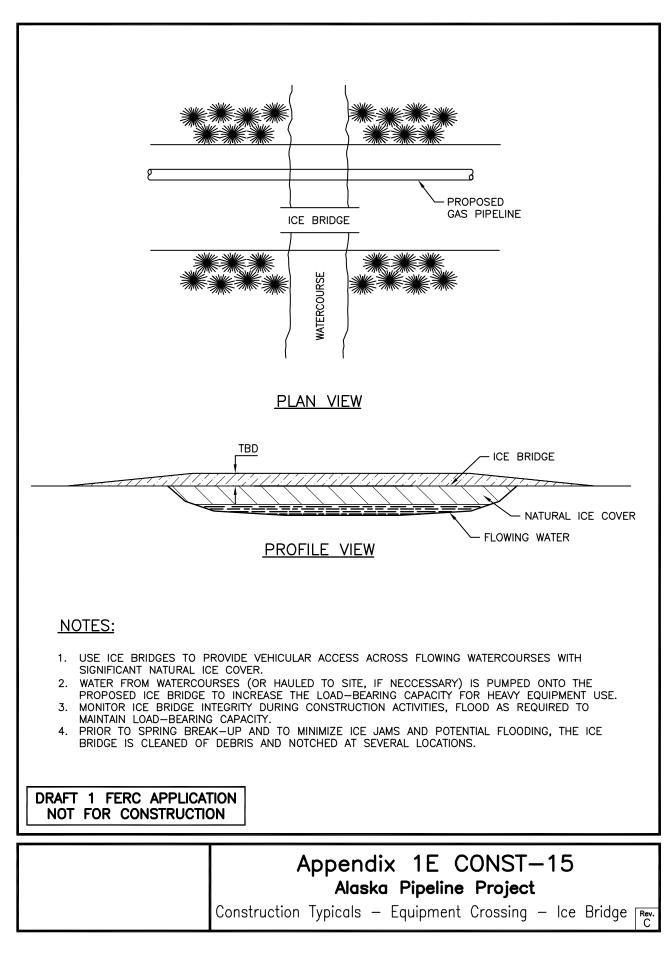


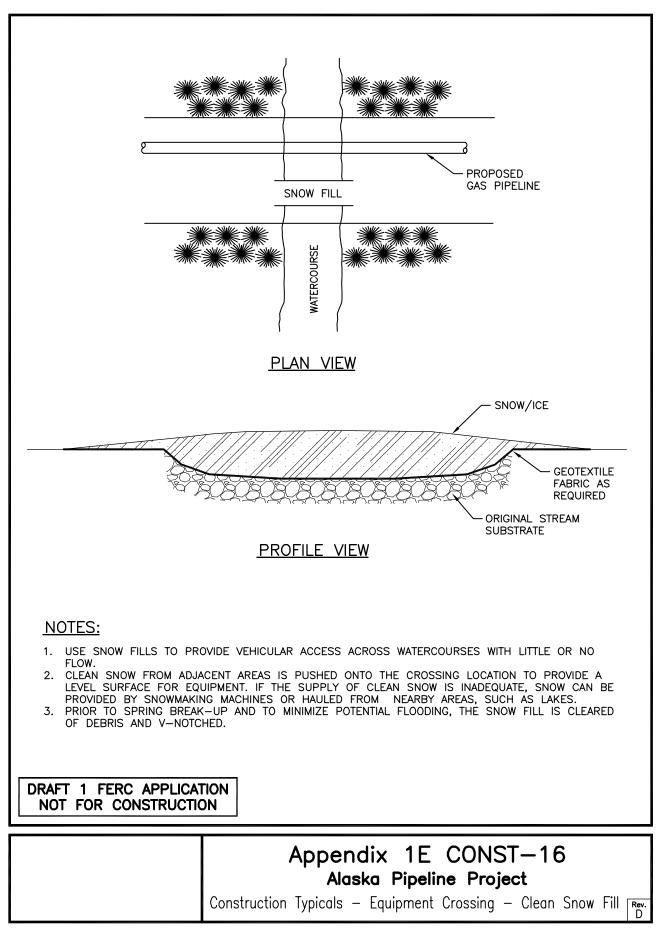


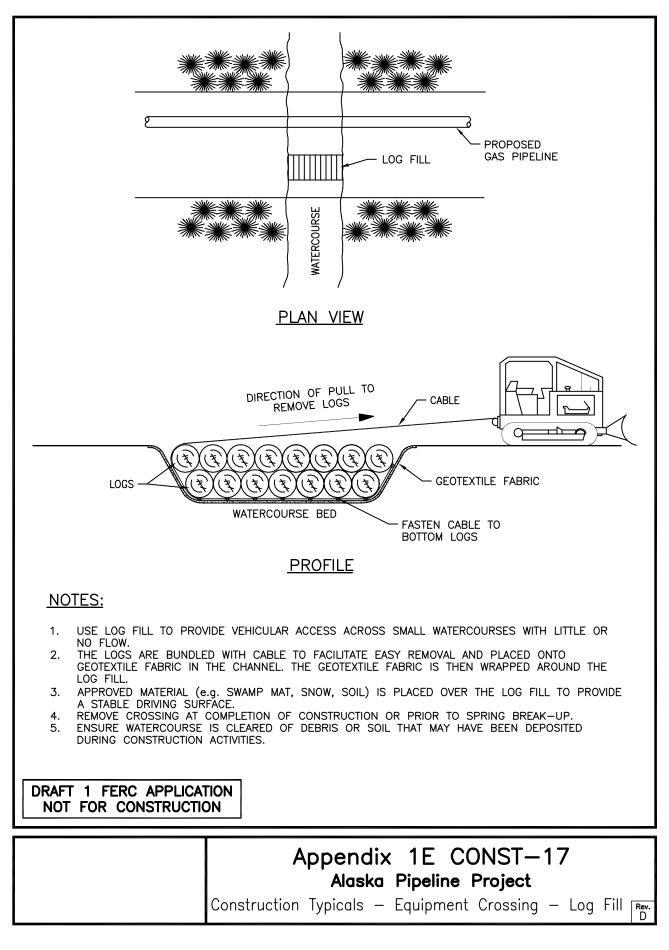


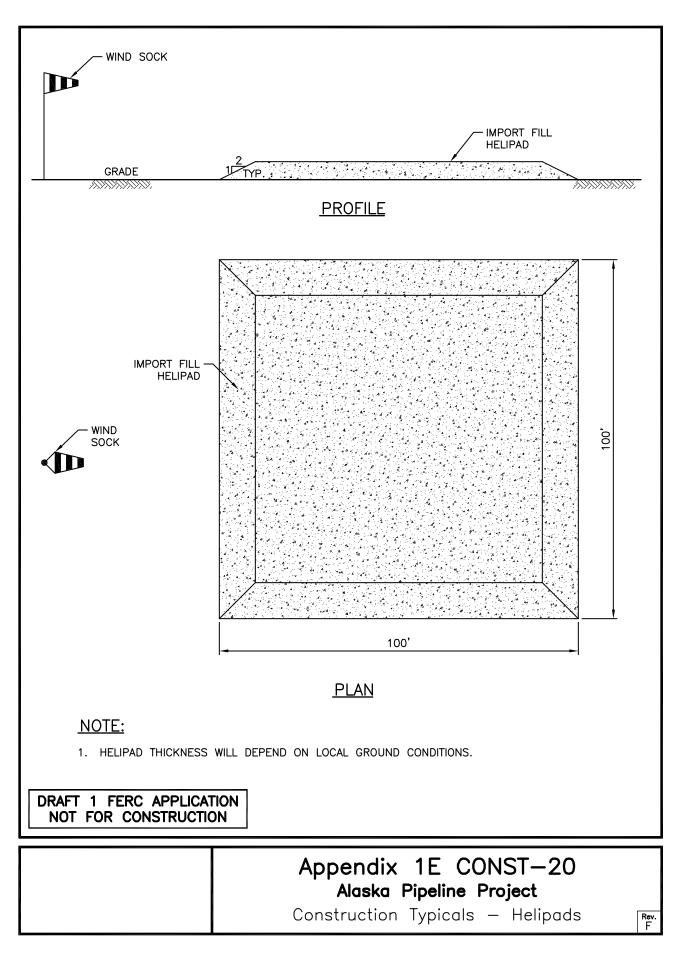


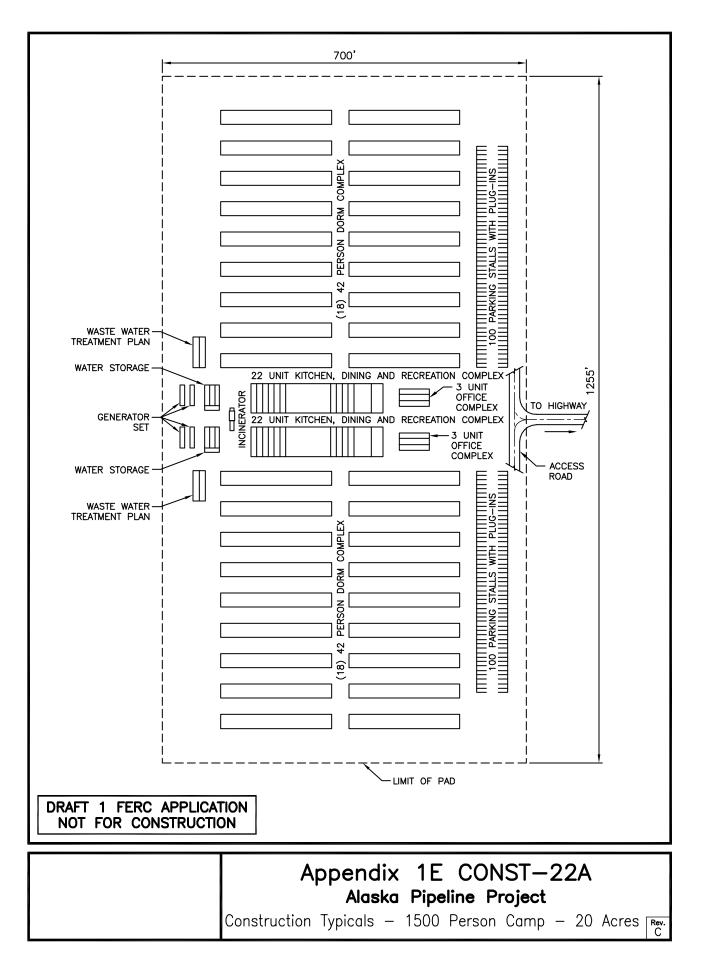


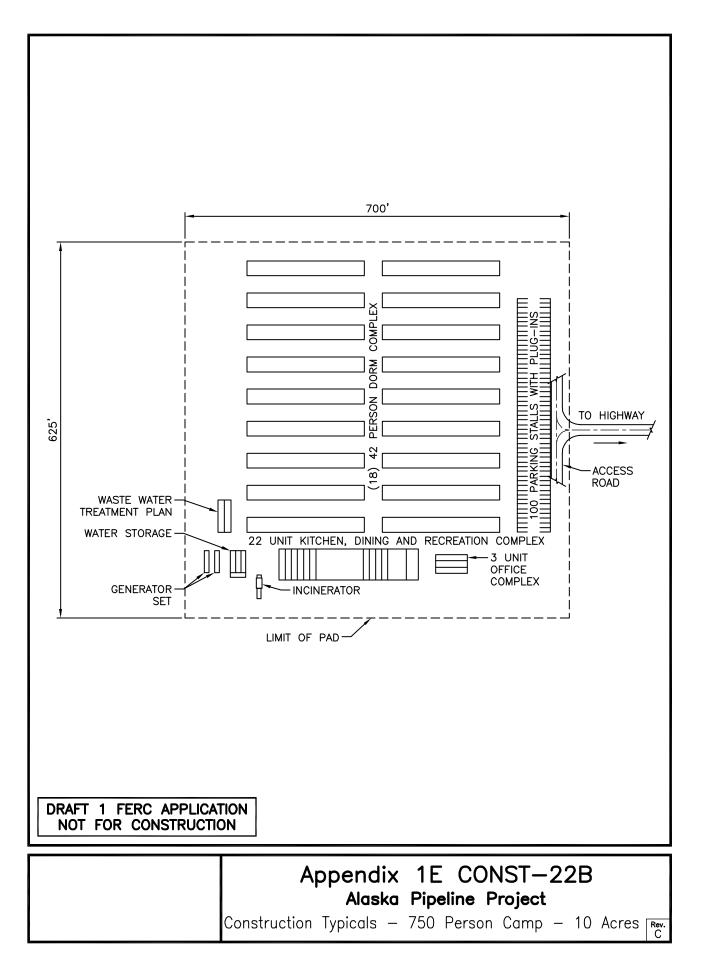


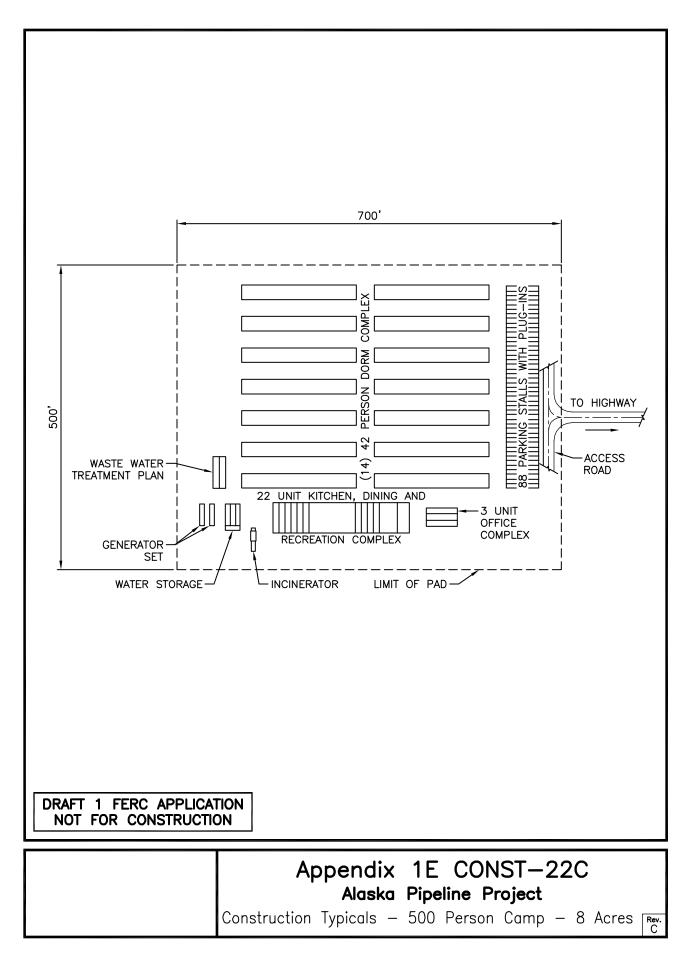


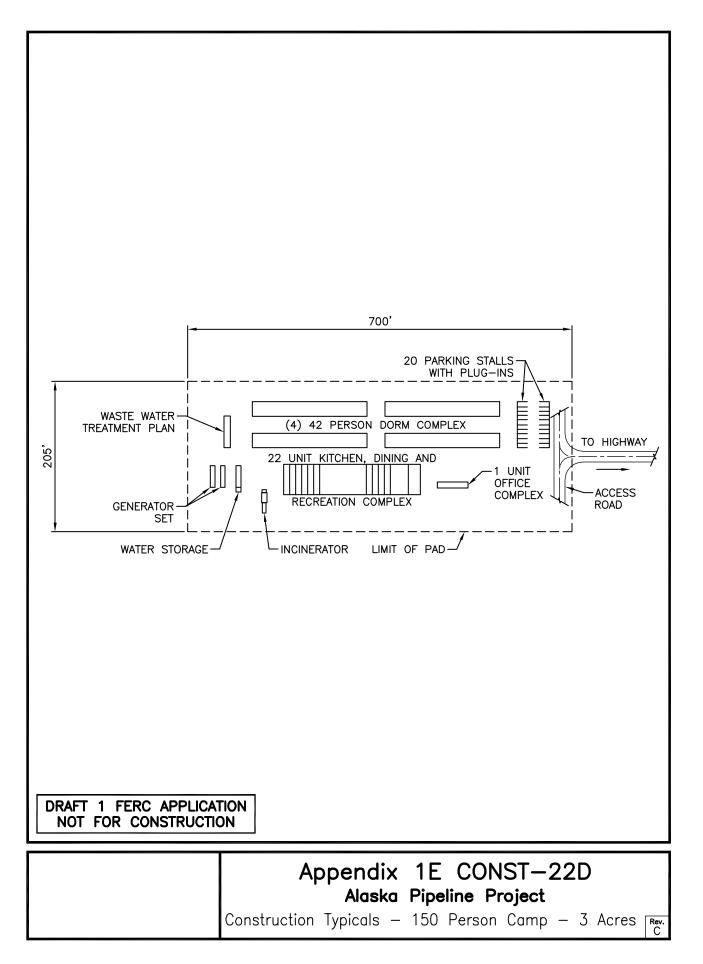


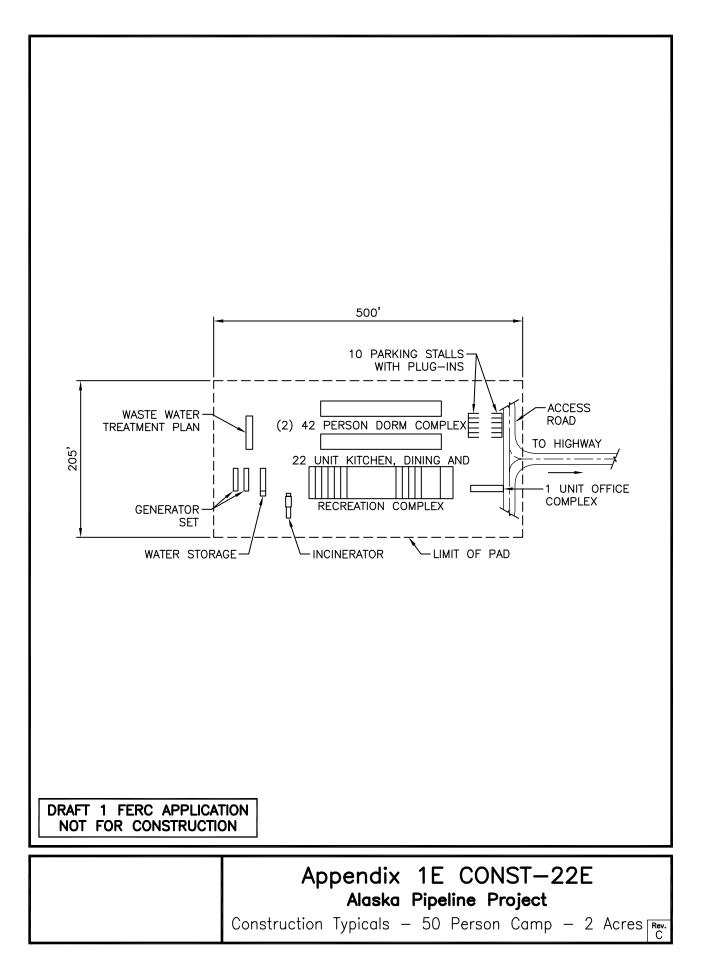


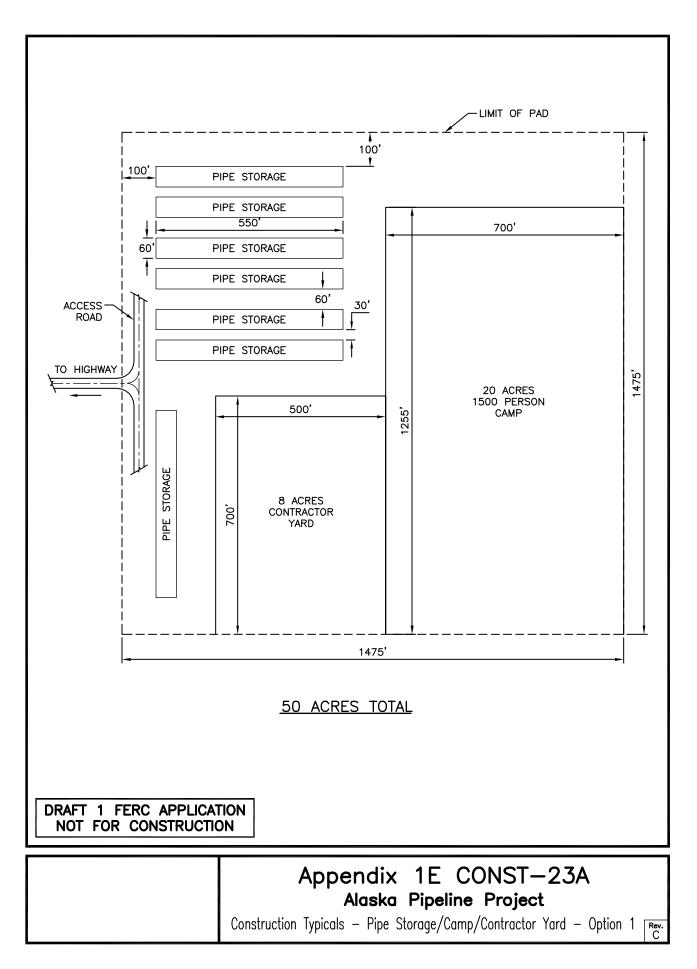


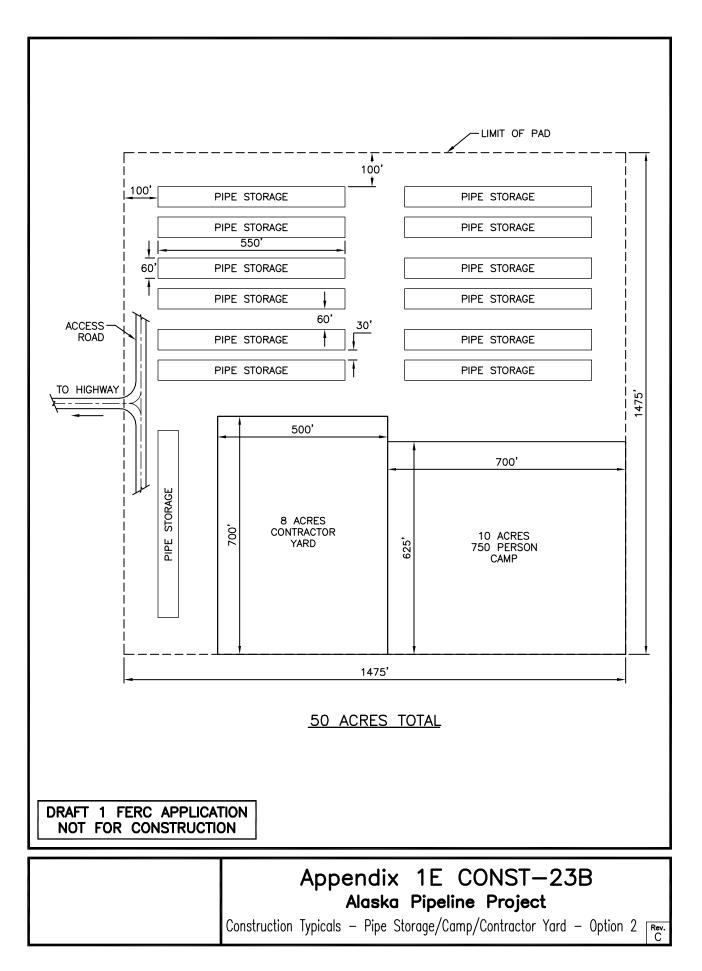


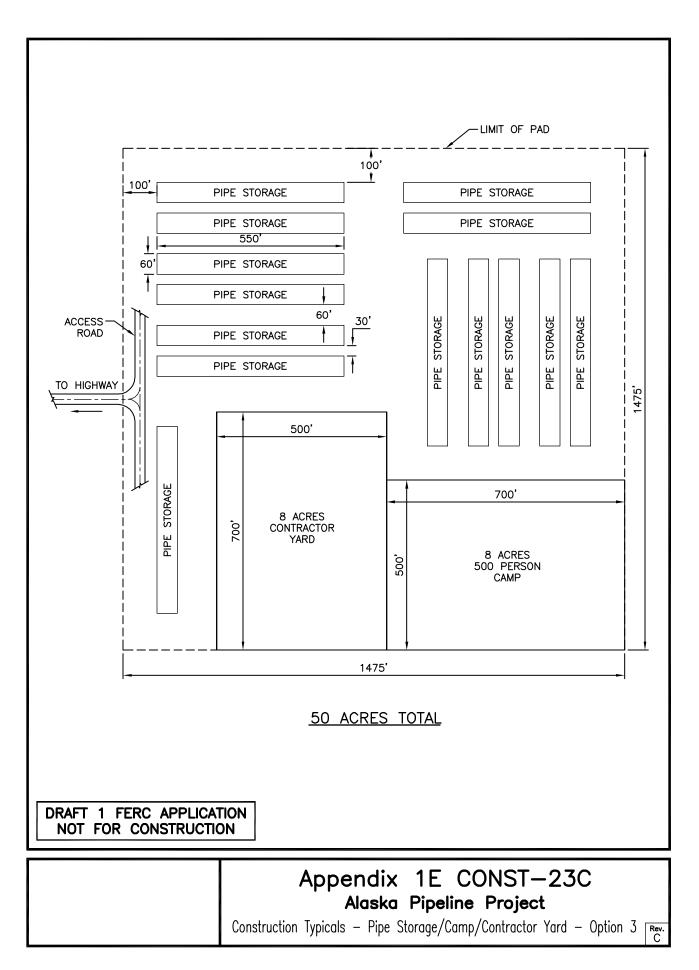


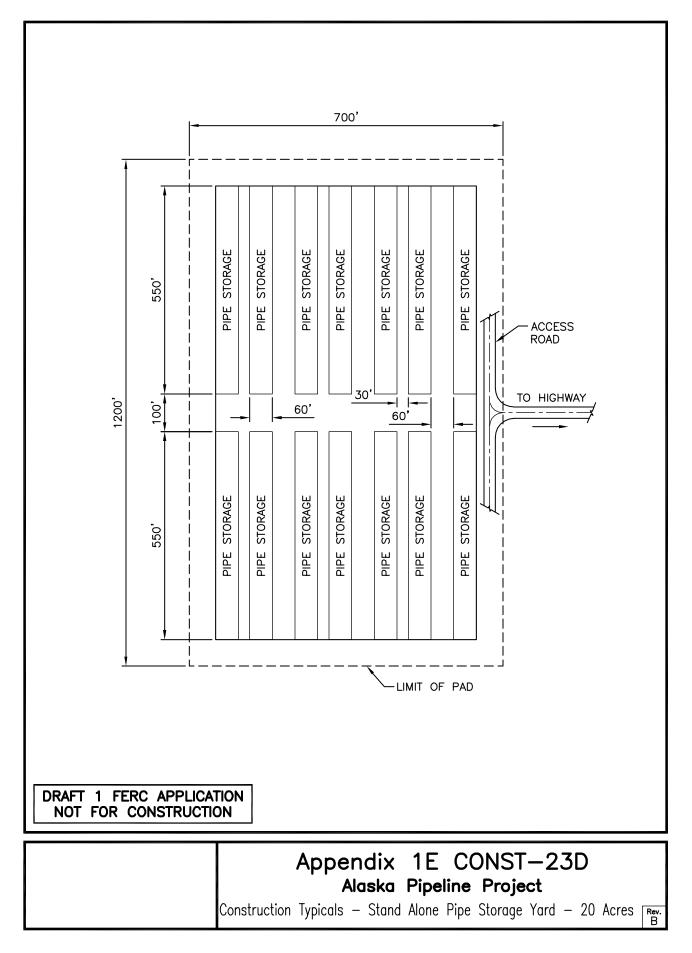


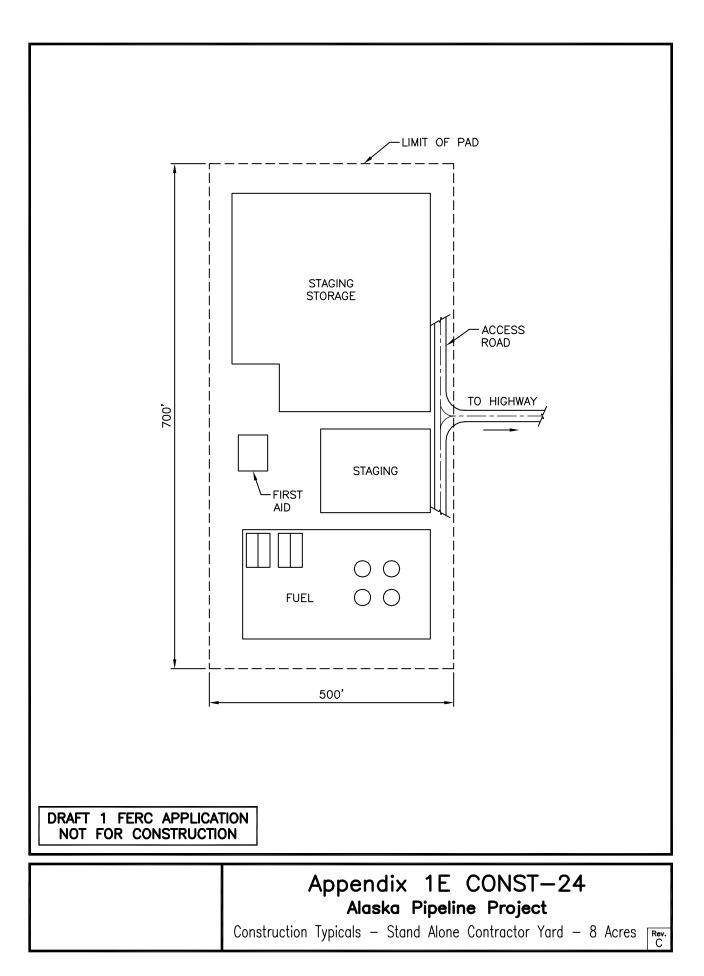


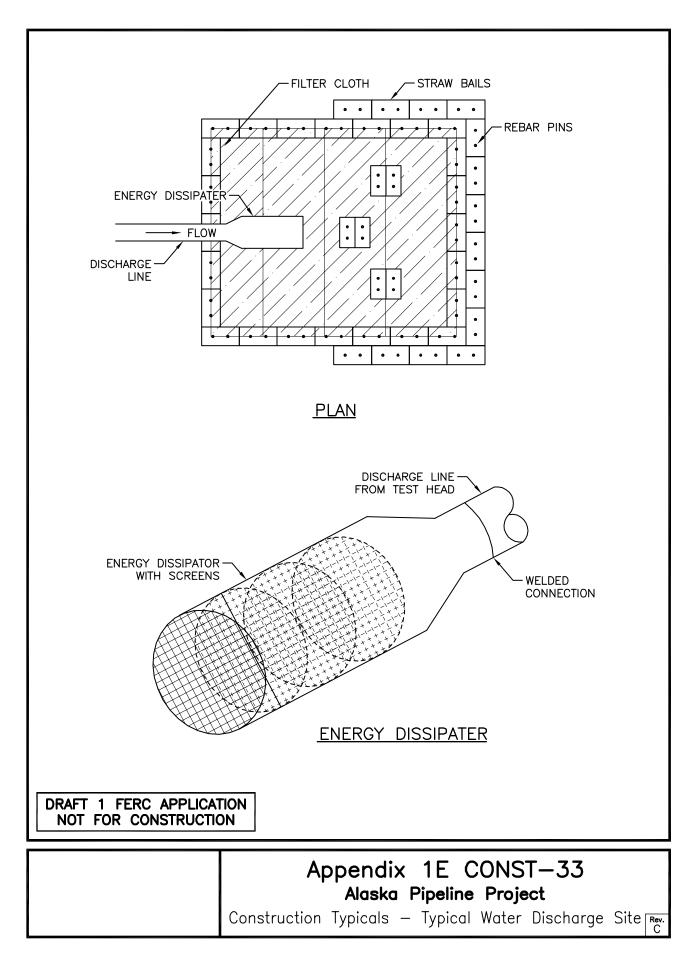


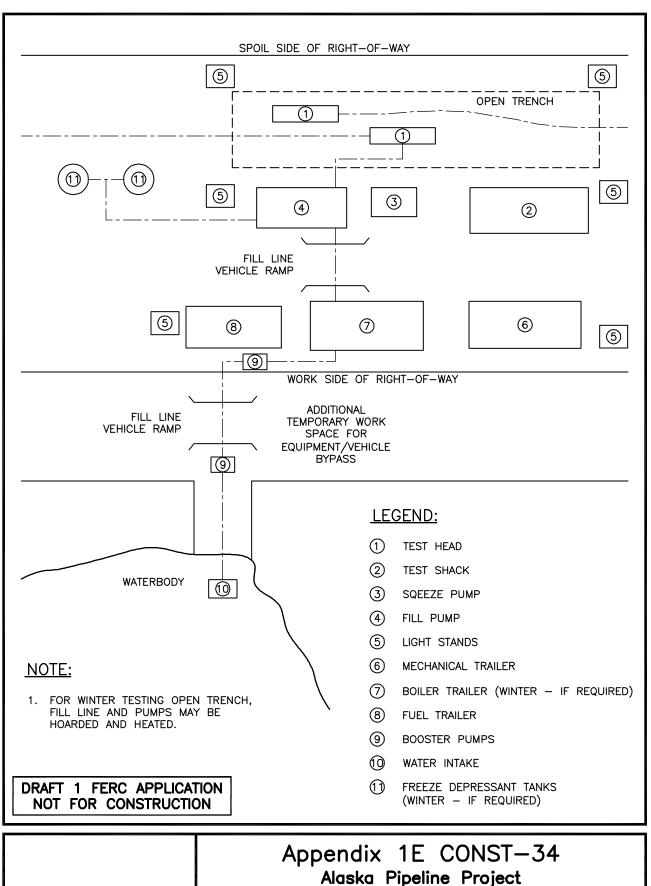












Construction Typicals – Hydrostatic Test Point

DRAFT

Rev. D

