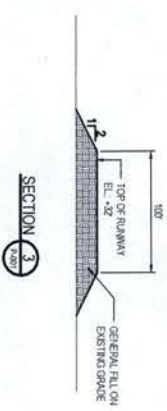
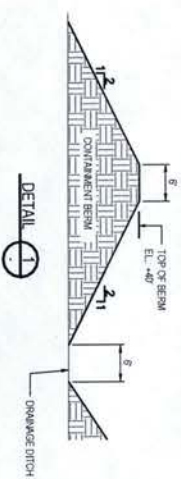
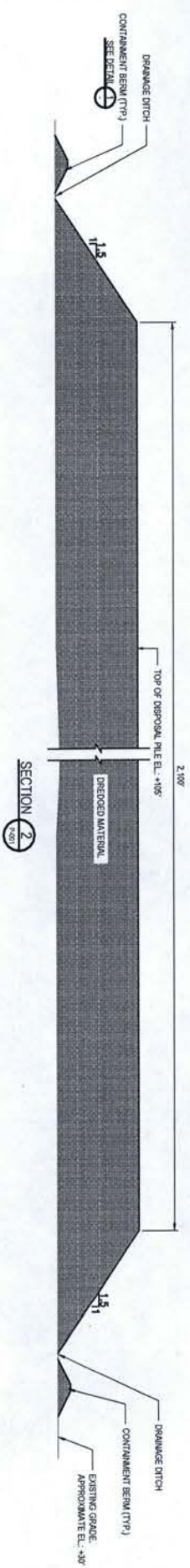
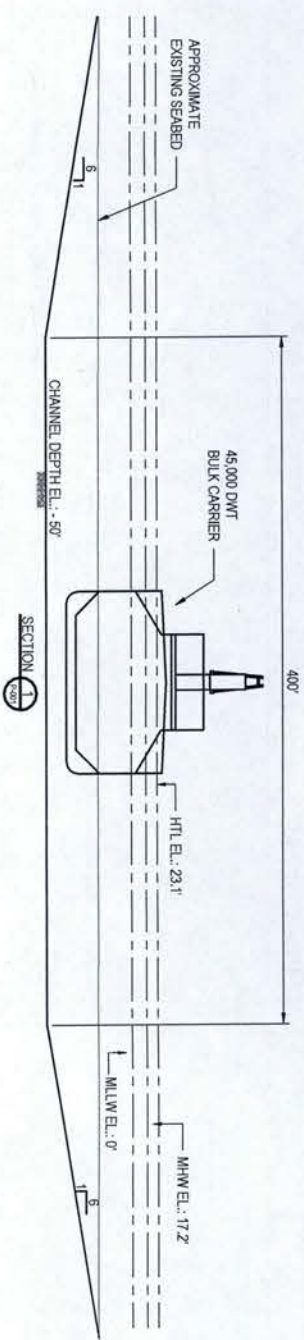


NOTES:

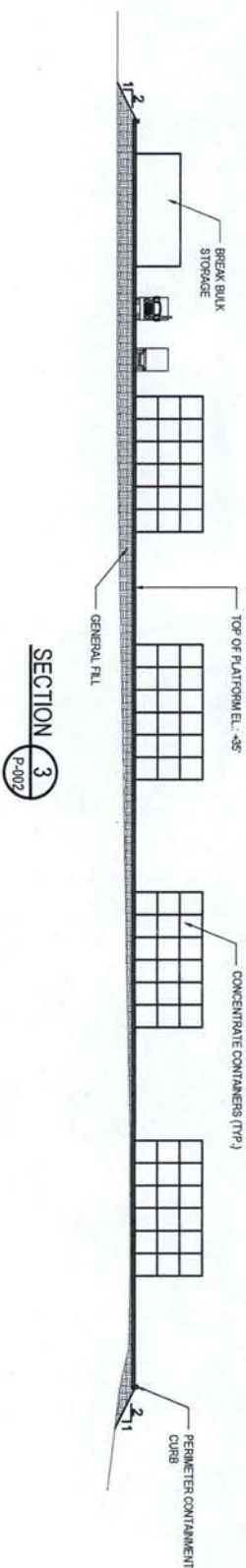
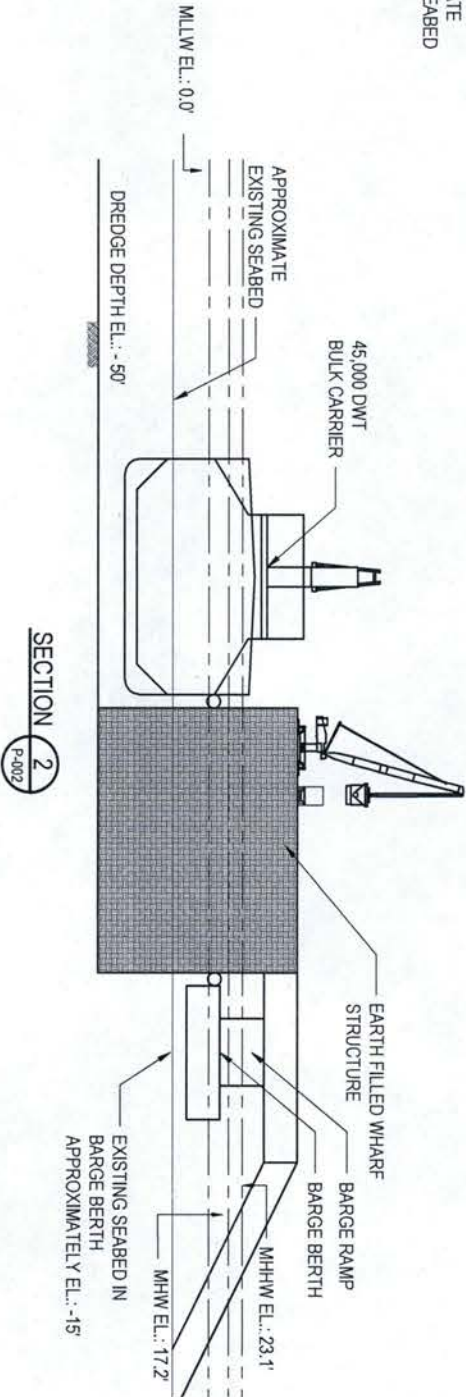
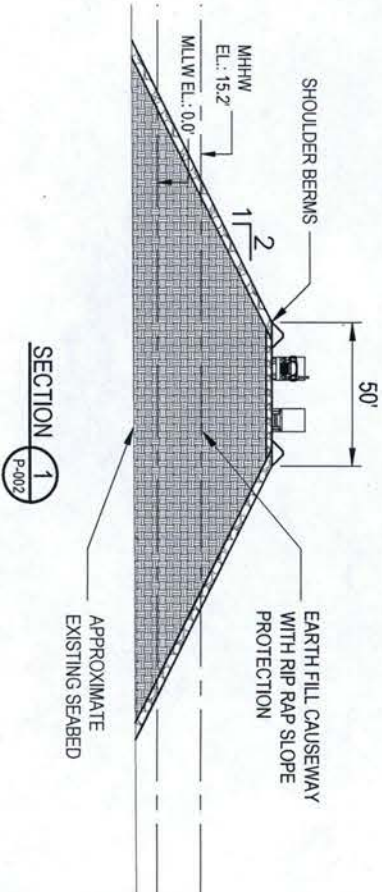
1. DIMENSIONS IN FEET
3. HORIZONTAL DATUM TO UTM WAD83, ALASKA STATE PLANE ZONE 5, US SURVEY FEET
4. ELEVATIONS ARE IN FEET TO MEAN LOWER LOW WATER (MLLW)
5. MEAN LOWER LOW WATER (MLLW), HIGH TIDE LINE (HTL), AND MEAN HIGH WATER (MHW) ARE BASED ON USACE ALASKA DISTRICT TIDE DATA AT SELDOWNA



<b>PEBBLE PROJECT</b> <b>APPLICANT: PEBBLE LIMITED PARTNERSHIP</b>		<b>DRAWING TITLE:</b> <b>AMAKEDORI PORT SITE</b> <b>TYPICAL CROSS SECTIONS</b>	
<b>DATA: LONGS OF MINE</b> 59°53'1.57"W, 155°18'2.81"W	<b>PROPOSED ACTIVITY:</b> MINERAL DEVELOPMENT	<b>DATE:</b> DECEMBER 2017	<b>FIGURE NO.</b> PX-001
<b>MANAGEMENT:</b> AMAKEDORI CREEK	<b>FILE NO.</b> POA-2017-271		

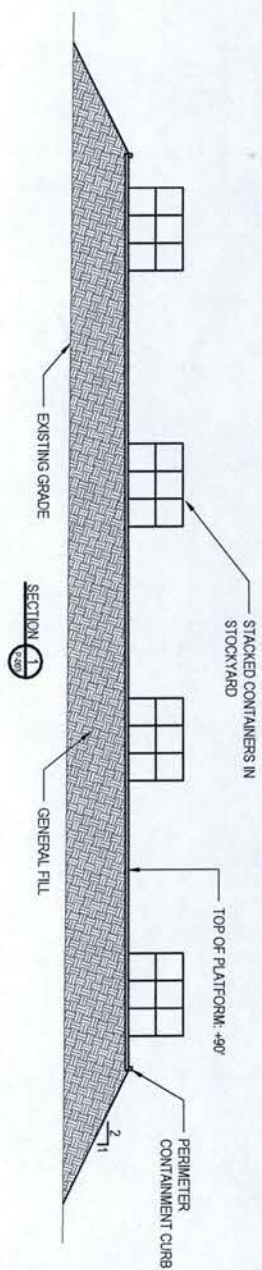
NOTES:

- 1. DIMENSIONS IN FEET
- 3. HORIZONTAL DATUM TO UTM NAD83, ALASKA STATE PLANE ZONE 5, US SURVEY FEET
- 4. ELEVATIONS ARE IN FEET TO MEAN LOWER LOW WATER (MLLW)
- 5. MEAN LOWER LOW WATER (MLLW), HIGH TIDE LINE (HTL), AND MEAN HIGH WATER (MHW) ARE BASED ON USACE ALASKA DISTRICT TIDE DATA AT SELDOWA

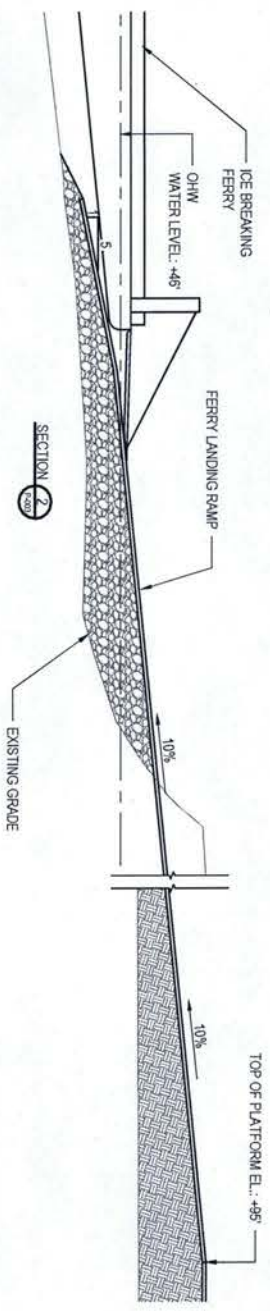


PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		AMAKDODORI PORT SITE	
TYPICAL CROSS SECTIONS			
LAT. LONG. OF MINE	PROPOSED ACTIVITY	DATE:	FIGURE NO.
69°53'12.9"N 156°18'23.7"W	MINERAL DEVELOPMENT	DECEMBER 2017	PX-002
WATERWAY:	FILE NO.		
AMAKDODORI CREEK	POA-2017-271		





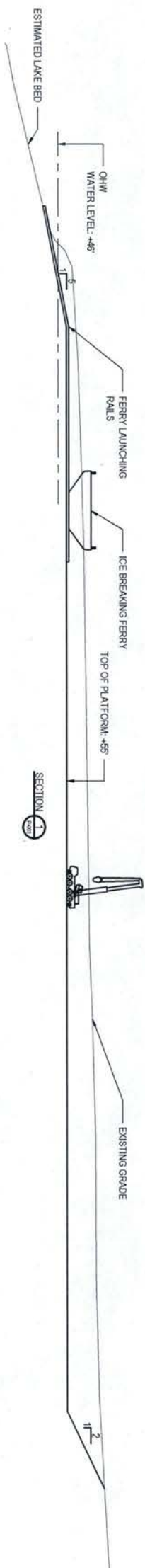
- NOTES:**
1. DIMENSIONS IN FEET
  2. ELEVATIONS ARE IN FEET TO GEODETIC DATUM (GEOID 99)
  3. HORIZONTAL DATUM TO UTM NAD83, ALASKA STATE PLANE ZONE 5, US SURVEY FEET
  4. ORDINARY HIGH WATER (OHW) ELEVATION BASED ON AERIAL PHOTO INTERPRETATION AND USGS TOPO
  5. PLATFORM FOR FERRY TERMINAL TO BE CONSTRUCTED WITH ONSITE FERRY CONSTRUCTION



**PEBBLE PROJECT**  
**ILIAMNA LAKE FERRY**  
**SOUTH FERRY TERMINAL**

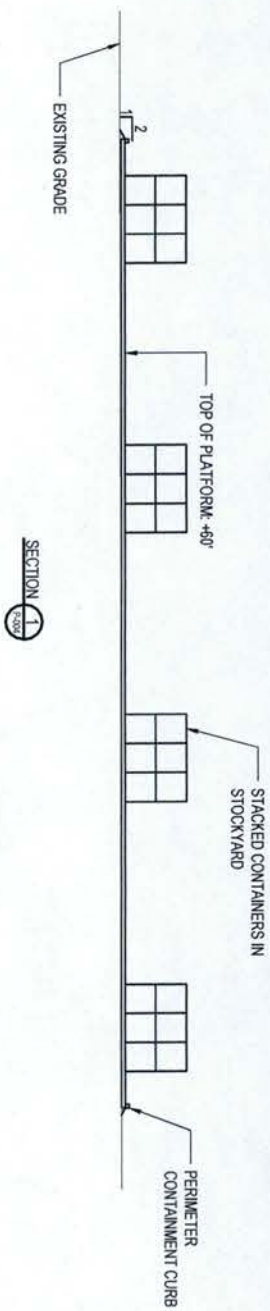
APPLICANT: **PEBBLE LIMITED PARTNERSHIP**  
PROJECT TITLE: **MINERAL DEVELOPMENT**  
FILE NO.: **POA-2017-271**

DATE: **DECEMBER 2017**  
FIGURE NO.: **PX-003**

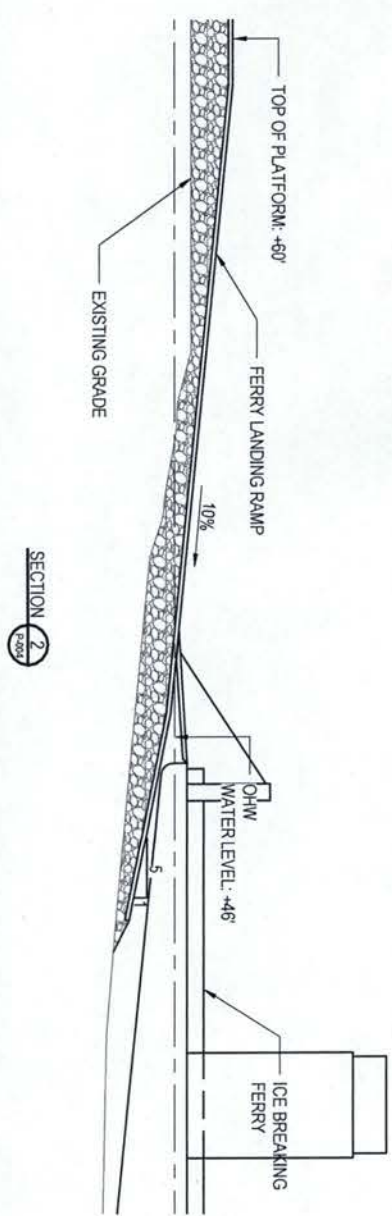


- NOTES:**
- 1. DIMENSIONS IN FEET
  - 2. ELEVATIONS ARE IN FEET TO GEODETIC DATUM
  - 3. HORIZONTAL DATUM TO MAD83, ALASKA STATE PLANE ZONE 5, US SURVEY FEET
  - 4. ORDINARY HIGH WATER (OHW) ELEVATION BASED ON AERIAL PHOTO INTERPRETATION AND USGS TOPO

DRAWING TITLE: ILIAMNA LAKE FERRY SOUTH FERRY CONSTRUCTION AREA		
PEBBLE PROJECT		
APPLICANT: PEBBLE LIMITED PARTNERSHIP		
LAT., LONG. OF MINE WATERWAY: ILIAMNA LAKE	PROPOSED ACTIVITY: MINERAL DEVELOPMENT FILE NO. POA-2017-271	DATE: DECEMBER 2017
		FIGURE NO. PX-004



- NOTES:**
1. DIMENSIONS IN FEET
  2. ELEVATIONS ARE IN FEET TO GEODETIC DATUM (GEOID 99)
  3. HORIZONTAL DATUM TO UTM NAD83, ALASKA STATE PLANE ZONE 5, US SURVEY FEET
  4. ORDINARY HIGH WATER (OHW) ELEVATION BASED ON AERIAL PHOTO INTERPRETATION AND USGS TOPO



<b>PEBBLE PROJECT</b> APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE: <b>ILIAMNA LAKE FERRY          NORTH FERRY TERMINAL</b>	
LAT. LONG. OF MINE: 69°33'12.9"N 155°18'23.7"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: DECEMBER 2017	FIGURE NO. PX-005
WATERWAY: ILIAMNA LAKE	FILE NO. POA-2017-271		



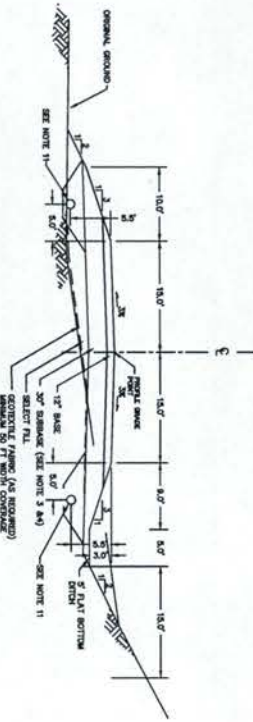


FIGURE 1

- NOTES:
1. CLEAVING LIMITS MIN. TO TOP OF CUT OR TOE OF FILL.
  2. BASE TO CONSIST OF 2" MIN. GRANULE, WITH THE 200 GRAIN SIZE MATERIAL TO BE EXPOSED TO THE SURFACE.
  3. SUBGRADE TO CONSIST OF DRAINAGE COARSE ROCK OR GRAVEL.
  4. NON-FRIST-SUBGRADE, 30" MIN. DEPTH.
  5. SELECT FILL MATERIAL TO CONSIST OF DRAINAGE COARSE ROCK OR GRAVEL.
  6. DEPTH OF FILL, MIN. VARY DEPENDING ON SOIL TYPE AND LOCATION, 1.5' MIN. TYPICAL, 2.0' MIN. TYPICAL, 3.0' MIN. TYPICAL, 4.0' MIN. TYPICAL, 5.0' MIN. TYPICAL, 6.0' MIN. TYPICAL, 7.0' MIN. TYPICAL, 8.0' MIN. TYPICAL, 9.0' MIN. TYPICAL, 10.0' MIN. TYPICAL, 11.0' MIN. TYPICAL, 12.0' MIN. TYPICAL.
  7. FILL MATERIALS SHALL VARY DEPENDING UPON SOIL OR ROCK TYPE AND CHARACTERISTICS.
  8. TYPICAL 2.0' FOR COARSE ROCK AND SLICES.
  9. TYPICAL 1.5' FOR COARSE ROCK AND SLICES.
  10. FILL MATERIALS SHALL VARY DEPENDING UPON SOIL OR ROCK TYPE AND CHARACTERISTICS.
  11. MINIMUM 1.5' FOR COARSE ROCK AND SLICES.
  12. MINIMUM 1.5' FOR COARSE ROCK AND SLICES.

ROAD TYPICAL SECTION FOR GLACIAL FLUVIAL & MORaine SOILS

SOUTH ACCESS ROAD Sta. 1278+00 to 1437+00  
 MINE ACCESS ROAD Sta. 0+00 to 1412+00  
 ILAMUNA SPUR ROAD Sta. 0+00 to 78+50  
 EXPLOSIVES STORAGE ACCESS ROAD Sta. 0+00 to 63+00  
 KONGHAKO AIRPORT SPUR ROAD Sta. 0+00 to END

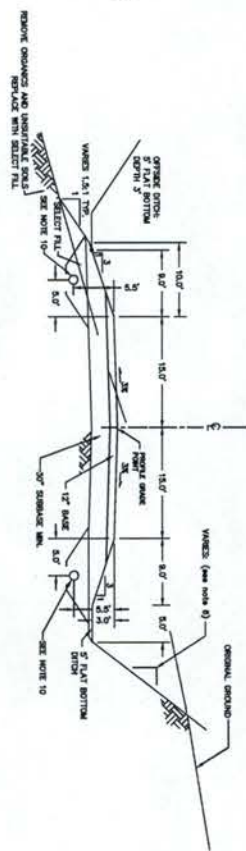


FIGURE 2

- NOTES:
1. CLEAVING LIMITS MIN. TO TOP OF CUT OR TOE OF FILL.
  2. BASE TO CONSIST OF 2" MIN. GRANULE, WITH THE 200 GRAIN SIZE MATERIAL TO BE EXPOSED TO THE SURFACE.
  3. SUBGRADE TO CONSIST OF DRAINAGE COARSE ROCK OR GRAVEL.
  4. NON-FRIST-SUBGRADE, 30" MIN. DEPTH.
  5. SELECT FILL MATERIAL TO CONSIST OF DRAINAGE COARSE ROCK OR GRAVEL.
  6. DEPTH OF FILL, MIN. VARY DEPENDING ON SOIL TYPE AND LOCATION, 1.5' MIN. TYPICAL, 2.0' MIN. TYPICAL, 3.0' MIN. TYPICAL, 4.0' MIN. TYPICAL, 5.0' MIN. TYPICAL, 6.0' MIN. TYPICAL, 7.0' MIN. TYPICAL, 8.0' MIN. TYPICAL, 9.0' MIN. TYPICAL, 10.0' MIN. TYPICAL, 11.0' MIN. TYPICAL, 12.0' MIN. TYPICAL.
  7. FILL MATERIALS SHALL VARY DEPENDING UPON SOIL OR ROCK TYPE AND CHARACTERISTICS.
  8. TYPICAL 2.0' FOR COARSE ROCK AND SLICES.
  9. TYPICAL 1.5' FOR COARSE ROCK AND SLICES.
  10. FILL MATERIALS SHALL VARY DEPENDING UPON SOIL OR ROCK TYPE AND CHARACTERISTICS.
  11. MINIMUM 1.5' FOR COARSE ROCK AND SLICES.
  12. MINIMUM 1.5' FOR COARSE ROCK AND SLICES.

ROAD TYPICAL SECTION FOR MODERATE TERRAIN WITH ROCK CUTS

SOUTH ACCESS ROAD Sta. 0+00 to 185+00  
 MINE ACCESS ROAD Sta. 1783+000 to END  
 ILAMUNA SPUR ROAD Sta. 78+50 to 292+00

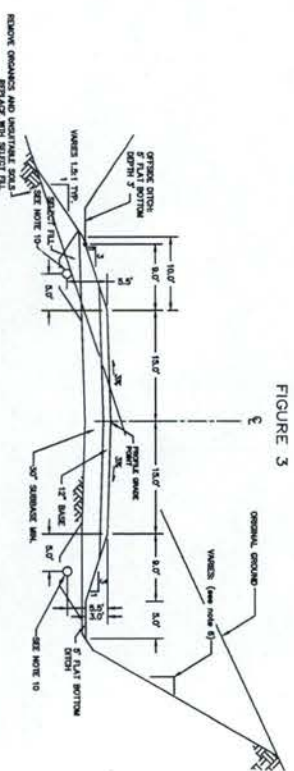


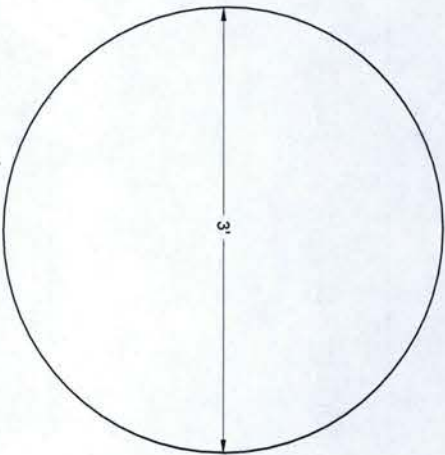
FIGURE 3

- NOTES:
1. CLEAVING LIMITS TYPICALLY TO TOP OF CUT OR TOE OF FILL.
  2. BASE TO CONSIST OF 2" MIN. GRANULE, WITH THE 200 GRAIN SIZE MATERIAL TO BE EXPOSED TO THE SURFACE.
  3. SUBGRADE TO CONSIST OF DRAINAGE COARSE ROCK OR GRAVEL.
  4. NON-FRIST-SUBGRADE, 30" MIN. DEPTH.
  5. SELECT FILL MATERIAL TO CONSIST OF DRAINAGE COARSE ROCK OR GRAVEL.
  6. DEPTH OF FILL, MIN. VARY DEPENDING ON SOIL TYPE AND LOCATION, 1.5' MIN. TYPICAL, 2.0' MIN. TYPICAL, 3.0' MIN. TYPICAL, 4.0' MIN. TYPICAL, 5.0' MIN. TYPICAL, 6.0' MIN. TYPICAL, 7.0' MIN. TYPICAL, 8.0' MIN. TYPICAL, 9.0' MIN. TYPICAL, 10.0' MIN. TYPICAL, 11.0' MIN. TYPICAL, 12.0' MIN. TYPICAL.
  7. FILL MATERIALS SHALL VARY DEPENDING UPON SOIL OR ROCK TYPE AND CHARACTERISTICS.
  8. TYPICAL 2.0' FOR COARSE ROCK AND SLICES.
  9. TYPICAL 1.5' FOR COARSE ROCK AND SLICES.
  10. FILL MATERIALS SHALL VARY DEPENDING UPON SOIL OR ROCK TYPE AND CHARACTERISTICS.
  11. MINIMUM 1.5' FOR COARSE ROCK AND SLICES.
  12. MINIMUM 1.5' FOR COARSE ROCK AND SLICES.

ROAD TYPICAL SECTION FOR ROUGH TERRAIN WITH ROCK CUTS

SOUTH ACCESS ROAD Sta. 185+00 to 1278+00  
 MINE ACCESS ROAD Sta. 1412+00 to 1783+00  
 ILAMUNA SPUR ROAD Sta. 1437+00 to 1783+00

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		PEBBLE ACCESS ROAD TYPICAL CROSS SECTIONS	
DATE: LONG OF MINE	PROPOSED ACTIVITY:	FILE NO.	DATE:
6/9/2017	MINERAL DEVELOPMENT	POA-2017-271	DECEMBER 2017
WATERWAY:			FIGURE NO.
VARIOUS			TX-001



NOTES:

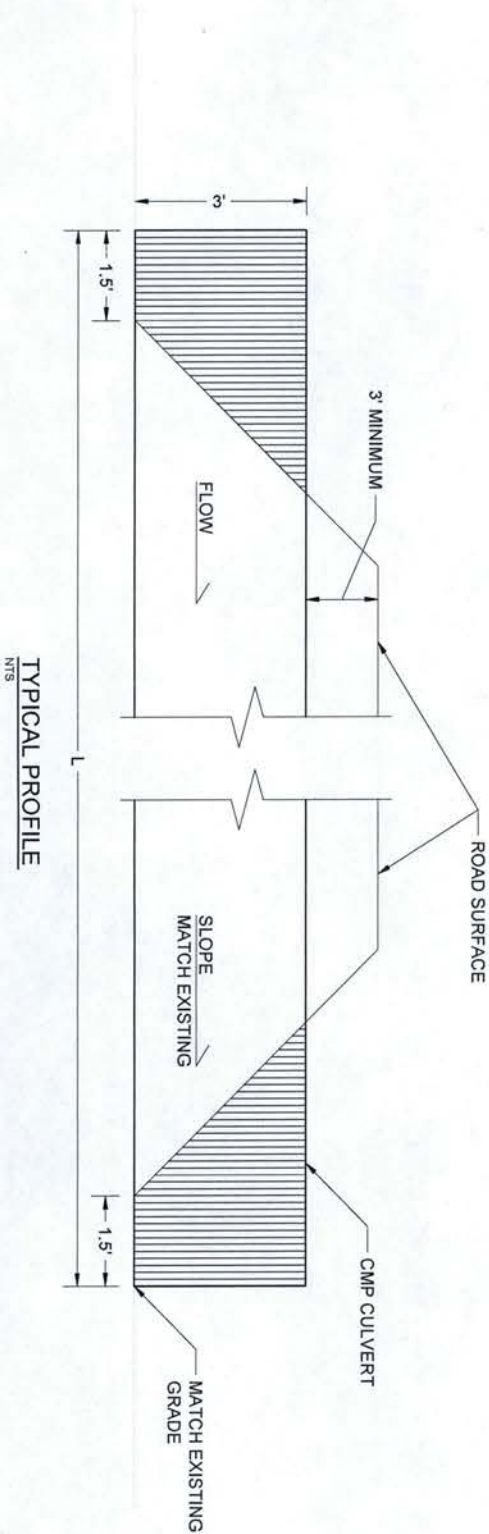
CATEGORY 1 CULVERTS SHALL BE INSTALLED AS NEEDED DURING ROAD CONSTRUCTION FOR CROSS DRAINAGE. CULVERTS SHALL NOT BE USED ON MAPPED STREAMS.

CULVERTS SHALL SPAN ENTIRE TOE OF FILL WIDTH PLUS ONE HALF CULVERT DIAMETER BEYOND TOE OF FILL.

DIAMETER SHALL BE 3'.

FILL DEPTH WILL BE DETERMINED BASED ON EQUIPMENT LOADING AND CMP DESIGN.

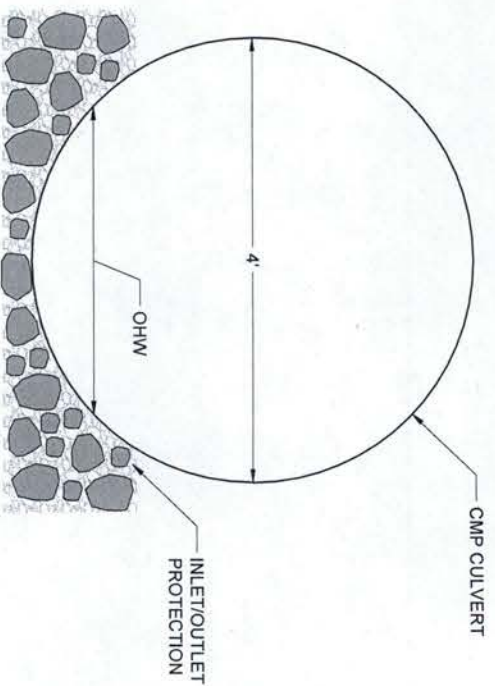
TYPICAL SECTION  
NTS



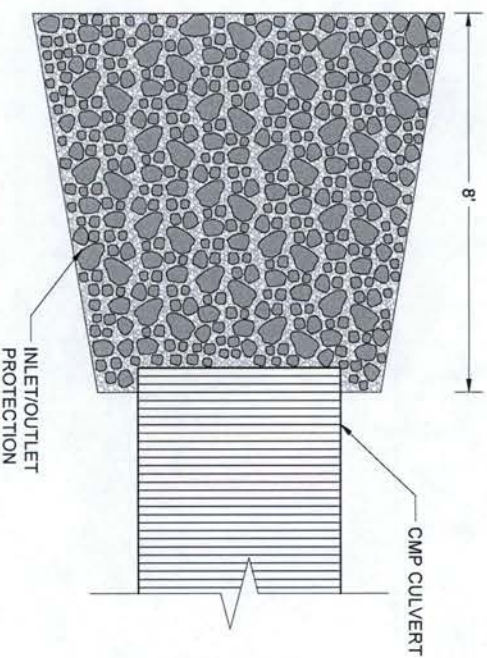
TYPICAL PROFILE  
NTS

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		CULVERT DESIGN	
CATEGORY 1		CATEGORY 1	
DATE: 12/01/2017	FILE NO. POA-2017-271	FIGURE NO. CX-001	
TAX LOTS OF MINE: 59°33'13.9"N 155°18'23.3"W			
PROPOSED ACTIVITY: MINERAL DEVELOPMENT			
DRAWING: 12/01/2017			





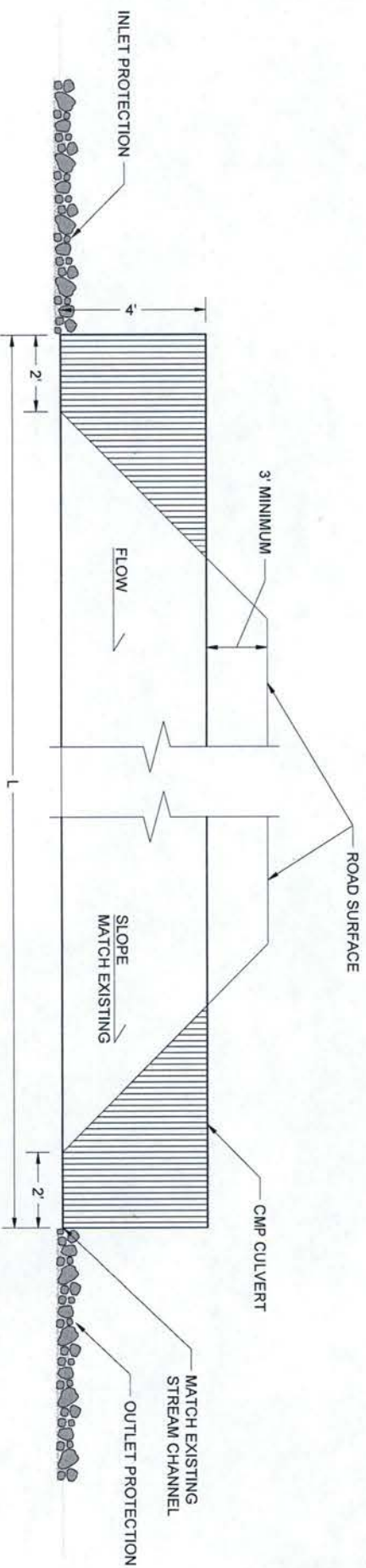
TYPICAL SECTION  
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TYPICAL INLET/OUTLET PROTECTION  
NTS

NOTES:

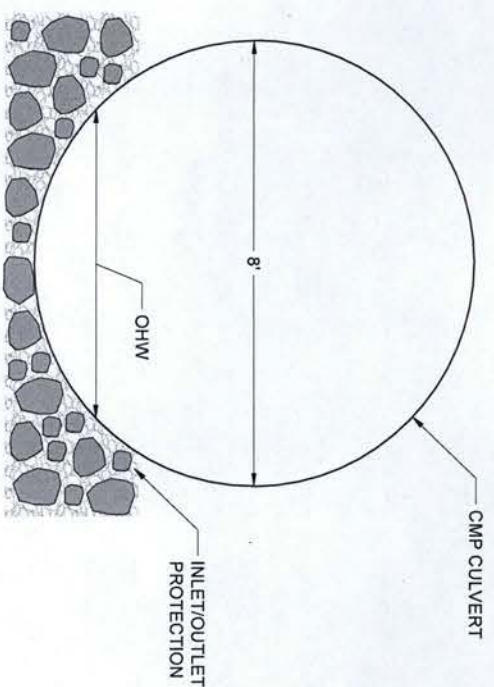
- CATEGORY 2 CULVERTS SHALL BE INSTALLED ON MAPPED STREAMS THAT HAVE A STREAM WIDTH OF UP TO 2' AT THE ORDINARY HIGH WATER (OHW) MARK.
- CULVERTS SHALL SPAN ENTIRE TOE OF FILL WIDTH PLUS ONE HALF CULVERT DIAMETER BEYOND TOE OF FILL.
- DIAMETER SHALL BE 4'.
- STREAM IMPACT AREA EQUALS STREAM WIDTH TIMES CULVERT LENGTH PLUS THE AREA ASSOCIATED WITH INLET/OUTLET PROTECTION.
- STREAM BED SLOPE THROUGH CULVERT SHALL MATCH STREAM SLOPE TO MAXIMUM EXTENT PRACTICABLE.
- FILL DEPTH WILL BE DETERMINED BASED ON EQUIPMENT LOADING AND CMP DESIGN.
- INLET/OUTLET PROTECTION SHALL BE CONSTRUCTED PER ALASKA DOT HIGHWAY DRAINAGE MANUAL.



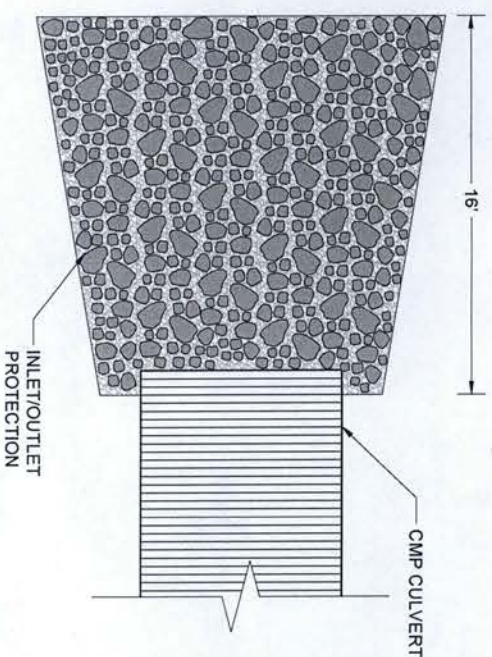
TYPICAL PROFILE  
NTS

PEBBLE PROJECT			DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP			CULVERT DESIGN	
CATEGORY 2				
DATE: LONG OF MINE	PROPOSED ACTIVITY:	FILE NO.	DATE:	FIGURE NO.
99°55'12.9" N 085°18'23.5" W	MINERAL DEVELOPMENT	POA-2017-271	DECEMBER 2017	CX-002
WATERWAYS: VARIOUS				

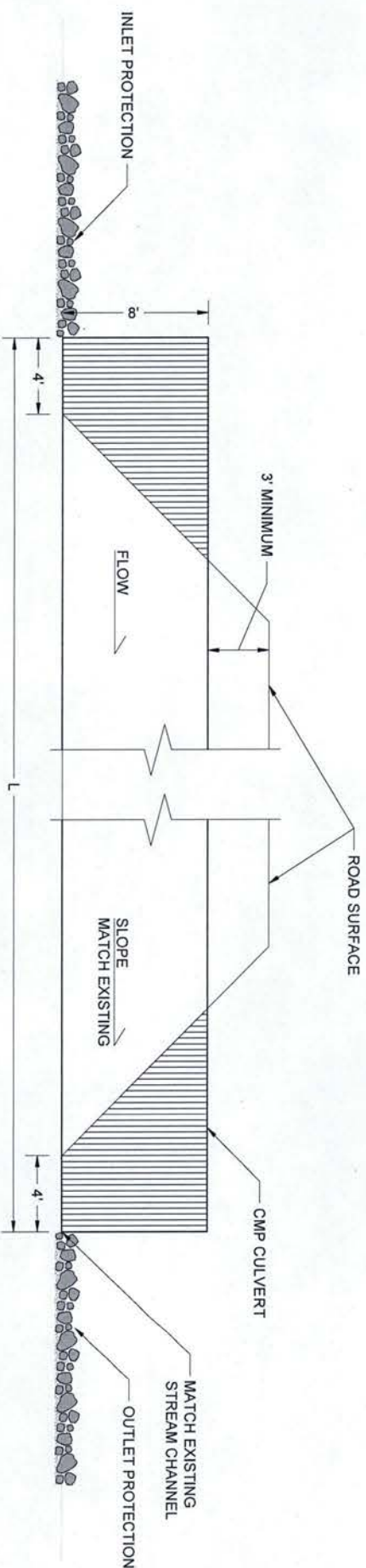




TYPICAL SECTION  
NTS



TYPICAL INLET/OUTLET PROTECTION  
NTS

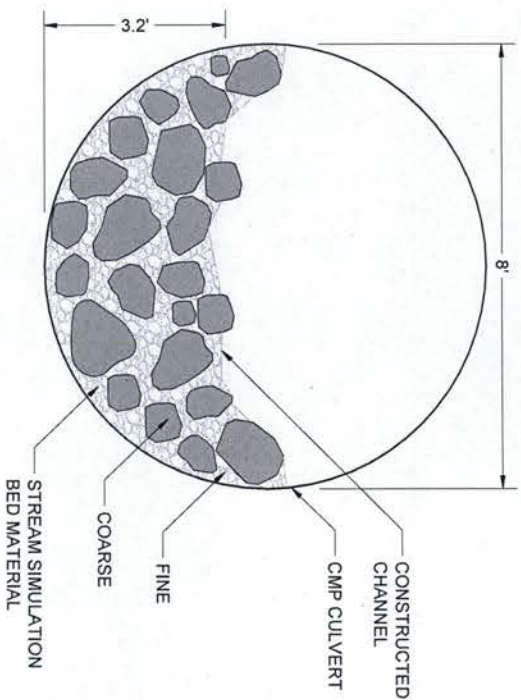


TYPICAL PROFILE  
NTS

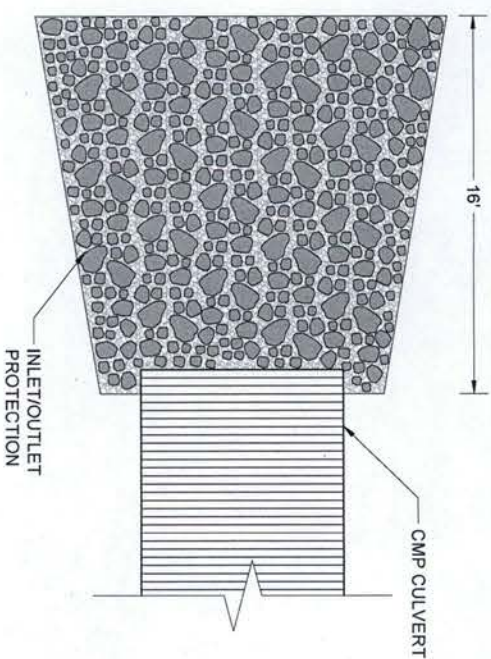
NOTES:

- CATEGORY 3 CULVERTS SHALL BE INSTALLED ON MAPPED STREAMS THAT HAVE A STREAM WIDTH GREATER THAN 2' TO 6' AT THE ORDINARY WATER (OHW) MARK.
- CULVERTS SHALL SPAN ENTIRE TOE OF FILL WIDTH PLUS ONE HALF CULVERT DIAMETER BEYOND TOE OF FILL.
- DIAMETER SHALL BE 8'.
- STREAM IMPACT AREA EQUALS STREAM WIDTH TIMES CULVERT LENGTH PLUS THE AREA ASSOCIATED WITH INLET/OUTLET PROTECTION.
- STREAM BED SLOPE THROUGH CULVERT SHALL MATCH STREAM SLOPE TO MAXIMUM EXTENT PRACTICABLE.
- FILL DEPTH WILL BE DETERMINED BASED ON EQUIPMENT LOADING AND CMP DESIGN.
- INLET/OUTLET PROTECTION SHALL BE CONSTRUCTED PER ALASKA DOT HIGHWAY DRAINAGE MANUAL.

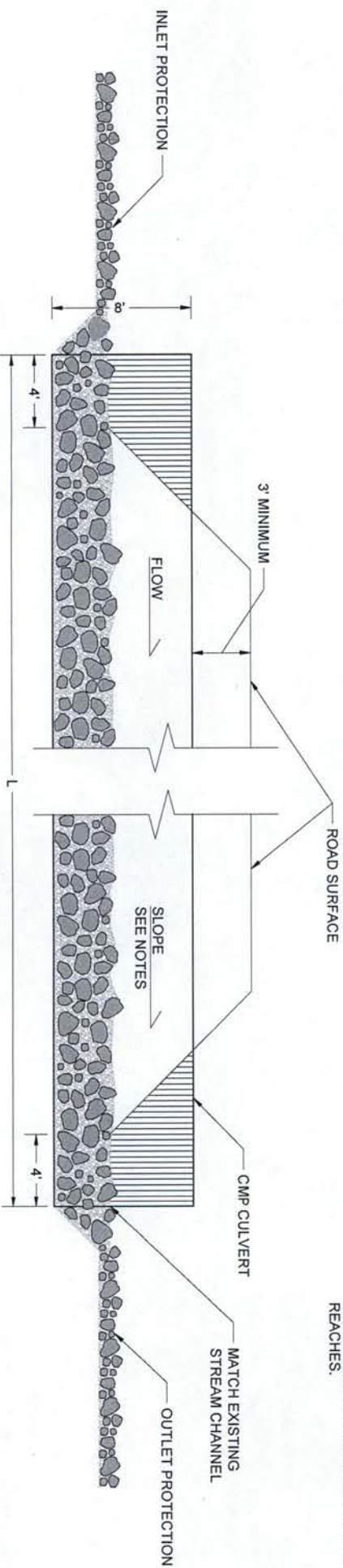
DRAWING TITLE:			PEBBLE PROJECT	
CULVERT DESIGN			APPLICANT: PEBBLE LIMITED PARTNERSHIP	
CATEGORY 3			PROPOSED ACTIVITY: MINERAL DEVELOPMENT	
			DATE: DECEMBER 2017	
			FIGURE NO. CX-003	
			FILE NO. POA-2017-271	
			LAT. LONG. OF MINE: 59°52'51.42"N 155°18'24.53"W	
			WATERWAY: VARIOUS	



TYPICAL SECTION  
NTS



TYPICAL INLET/OUTLET PROTECTION  
NTS



TYPICAL PROFILE  
NTS

NOTES:

CATEGORY 4 CULVERTS SHALL BE INSTALLED IN MAPPED STREAMS WHERE FISH PASSAGE IS REQUIRED AND THAT HAVE A STREAM WIDTH UP TO 6' AT THE ORDINARY HIGH WATER (OHW) MARK.

CULVERTS SHALL SPAN ENTIRE TOE OF FILL WIDTH PLUS ONE HALF CULVERT DIAMETER BEYOND TOE OF FILL.

DIAMETER SHALL BE 8'. CULVERT INVERT BURIAL SHALL BE EQUAL TO 0.4'D.

STREAM IMPACT AREA EQUALS STREAM WIDTH TIMES CULVERT LENGTH PLUS THE AREA ASSOCIATED WITH INLET/OUTLET PROTECTION.

STREAM BED SLOPE THROUGH CULVERT SHALL MATCH CHANNEL BED SLOPE TO MAXIMUM EXTENT PRACTICABLE, BUT NO GREATER THAN CHANNEL BED SLOPE +1%.

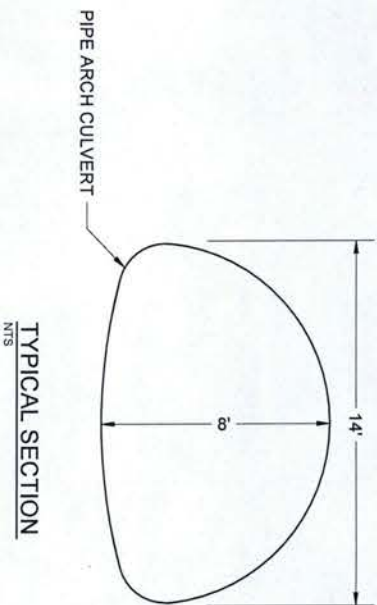
FILL DEPTH WILL BE DETERMINED BASED ON EQUIPMENT LOADING AND CMP DESIGN.

SUBSTRATE DESIGNED PER MEMORANDUM OF AGREEMENT STREAM SIMULATION DESIGN REQUIREMENTS.

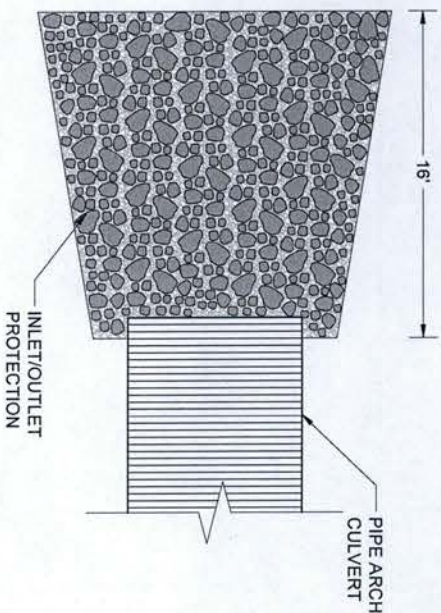
INLET/OUTLET PROTECTION SHALL MATCH STREAM SIMULATION BED MATERIAL PLACED INSIDE CULVERT. CONSTRUCTED CHANNEL INSIDE CULVERT TO HAVE DIMENSIONS SIMILAR TO ADJACENT CHANNEL REACHES.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		CULVERT DESIGN	
CATEGORY 4		CATEGORY 4	
LAT. LONG. OF MINE		PROPOSED ACTIVITY:	
99°53'12.29" N 105°18'2.23" W		MINERAL DEVELOPMENT	
WATERWAY:		FILE NO.	
VARIOUS		POA-2017-271	
DATE:		FIGURE NO.	
DECEMBER 2017		CX-004	





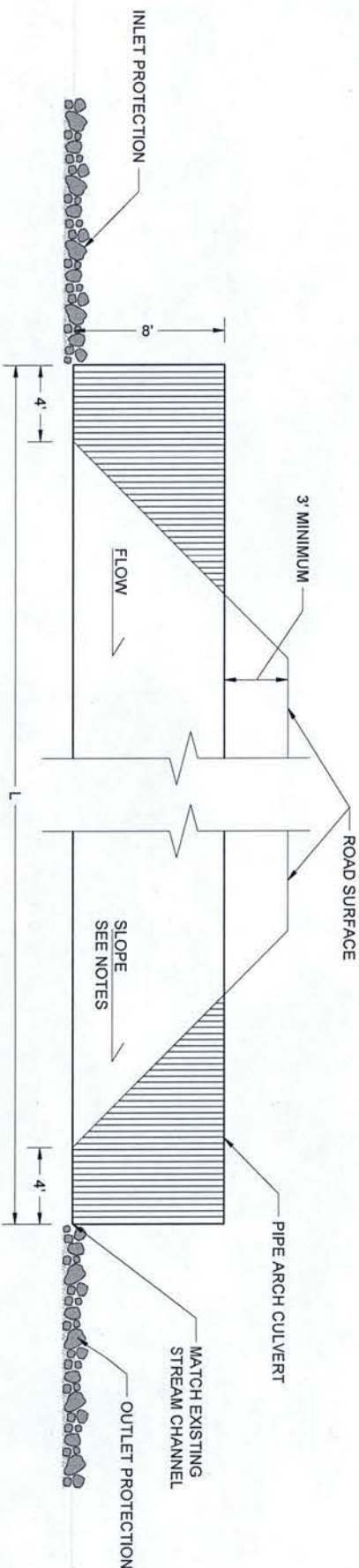
TYPICAL SECTION  
NTS



TYPICAL INLET/OUTLET PROTECTION  
NTS

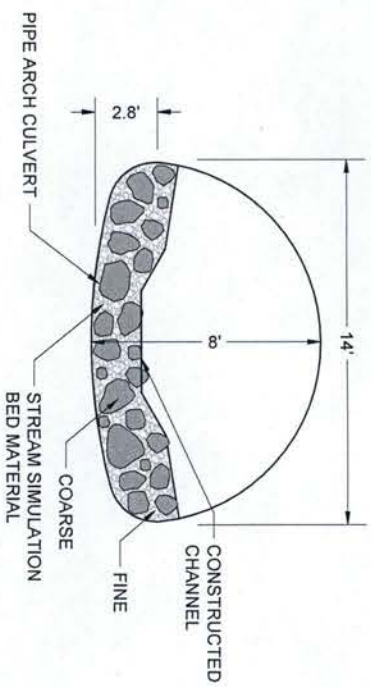
NOTES:

- CATEGORY 5 CULVERTS SHALL BE INSTALLED IN MAPED STREAMS THAT HAVE A STREAM WIDTH BETWEEN 6' & 10' AT THE ORDINARY HIGH WATER (OHW) MARK. CATEGORY 5 SHALL NOT BE USED FOR FISH PASSAGE.
- CULVERTS SHALL SPAN ENTIRE TOE OF FILL WIDTH PLUS ONE HALF CULVERT DIAMETER BEYOND TOE OF FILL.
- CULVERT SHALL BE PIPE ARCH THAT IS 8' TALL BY 14' WIDE.
- STREAM IMPACT AREA EQUALS STREAM WIDTH TIMES CULVERT LENGTH.
- STREAM BED SLOPE THROUGH CULVERT SHALL MATCH CHANNEL BED SLOPE TO MAXIMUM EXTENT PRACTICABLE.
- FILL DEPTH WILL BE DETERMINED BASED ON EQUIPMENT LOADING AND CMP DESIGN.
- INLET/OUTLET PROTECTION SHALL BE CONSTRUCTED PER ALASKA DOT HIGHWAY DRAINAGE MANUAL.

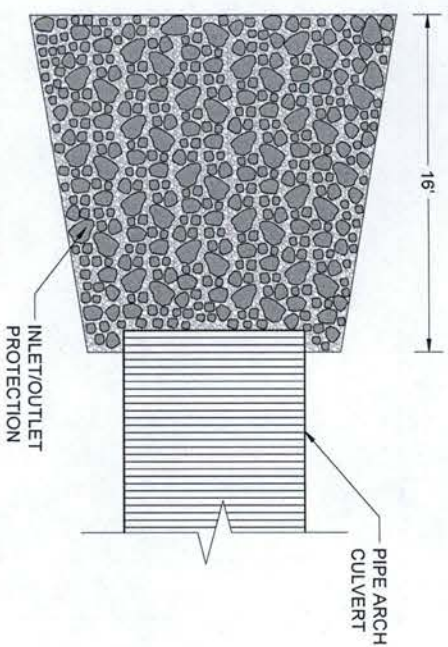


TYPICAL PROFILE  
NTS

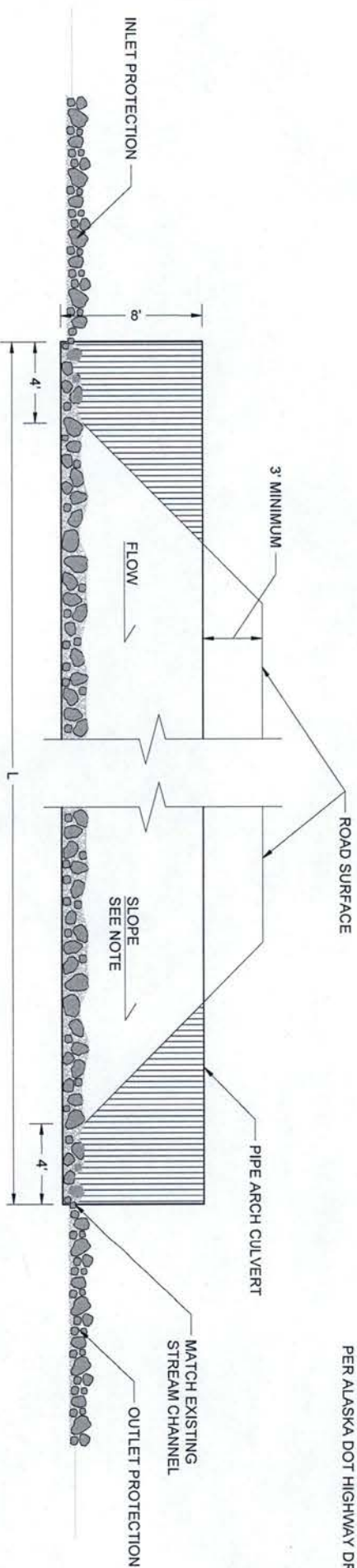
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		CULVERT DESIGN	
CATEGORY 5			
DATE: LONG OF LINE	PROPOSED ACTIVITY:		
85°53'12.24" N 185°19'2.83" W	MINERAL DEVELOPMENT		
WATERWAY:	FILE NO.	DATE:	FIGURE NO.
VARIOUS	POA-2017-271	DECEMBER 2017	CX-005



TYPICAL SECTION  
NTS



TYPICAL INLET/OUTLET PROTECTION  
NTS



TYPICAL PROFILE  
NTS

NOTES:

CATEGORY 6 CULVERTS SHALL BE INSTALLED IN MAPPED STREAMS WHERE FISH PASSAGE IS REQUIRED AND THAT HAVE A STREAM WIDTH BETWEEN 6' & 10' AT THE ORDINARY HIGH WATER (OHW) MARK.

CULVERTS SHALL SPAN ENTIRE TOE OF FILL WIDTH PLUS ONE HALF CULVERT DIAMETER BEYOND TOE OF FILL.

CULVERT SHALL BE PIPE ARCH THAT IS 8' TALL BY 14' WIDE.

STREAM IMPACT AREA EQUALS STREAM WIDTH TIMES CULVERT LENGTH.

STREAM BED SLOPE THROUGH CULVERT SHALL MATCH CHANNEL BED SLOPE TO MAXIMUM EXTENT PRACTICABLE, BUT NO GREATER THAN CHANNEL BED SLOPE +1%.

FILL DEPTH WILL BE DETERMINED BASED ON EQUIPMENT LOADING AND CMP DESIGN.

CONSTRUCTED CHANNEL INSIDE CULVERT TO HAVE DIMENSIONS SIMILAR TO ADJACENT CHANNEL REACHES.

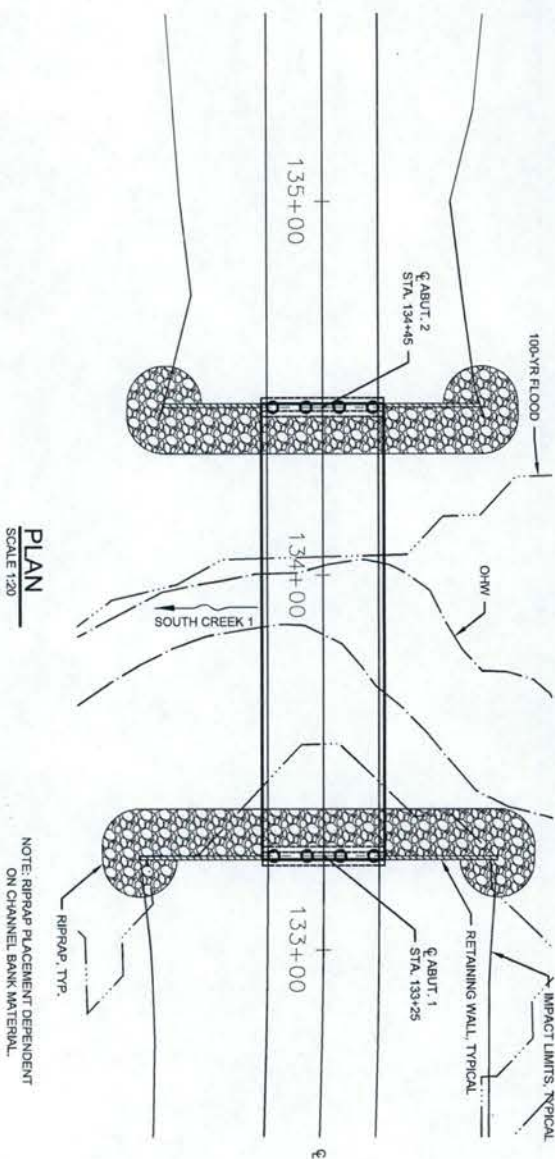
SUBSTRATE DESIGNED PER MEMORANDUM OF AGREEMENT STREAM SIMULATION DESIGN REQUIREMENTS.

INLET/OUTLET PROTECTION SHALL BE CONSTRUCTED PER ALASKA DOT HIGHWAY DRAINAGE MANUAL.

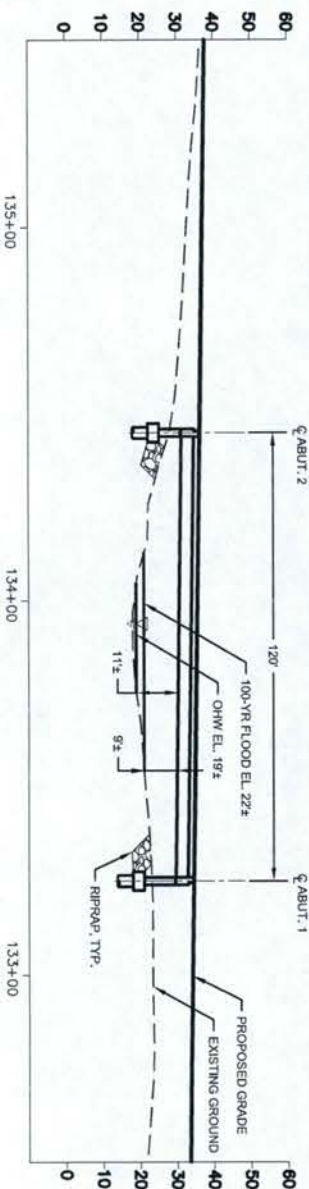
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		CULVERT DESIGN	
CATEGORY 6			
DATE: LONG OF MINE	PROPOSED ACTIVITY:	FILE NO.	FIGURE NO.
59°53'12.9" N 105°18'23.3" W	MINERAL DEVELOPMENT	POA-2017-271	CX-006
WATERWAY	VARIOUS		





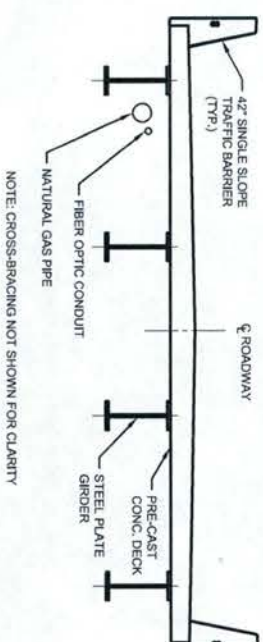


PLAN  
SCALE 1/20



ELEVATION  
SCALE V=1/20 H=1/20

ABBREVIATIONS:  
ABUT. - ABUTMENT  
EL. - ELEVATION  
CONC. - CONCRETE  
OHW - ORDINARY HIGH WATER  
STA. - STATION  
TYP. - TYPICAL



TYPICAL SECTION  
SCALE 1/4

PEBBLE PROJECT

APPLICANT: PEBBLE LIMITED PARTNERSHIP

CAT. LONG OF MINE

69°33'1.29"N 105°18'2.33"W

WATERWAY

AMADEDORI CREEK

PROPOSED ACTIVITY

MINERAL DEVELOPMENT

FILE NO.

POA-2017-271

DRAWING TITLE:

SOUTH CREEK 1 BRIDGE  
PLAN, PROFILE, AND TYPICAL  
SECTION

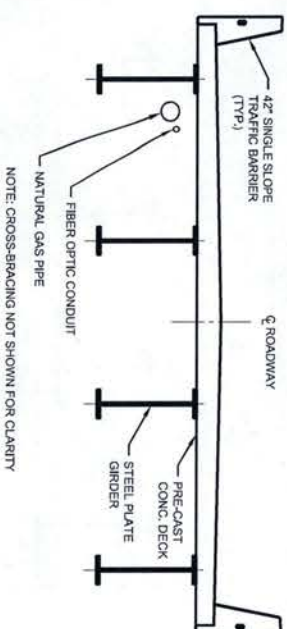
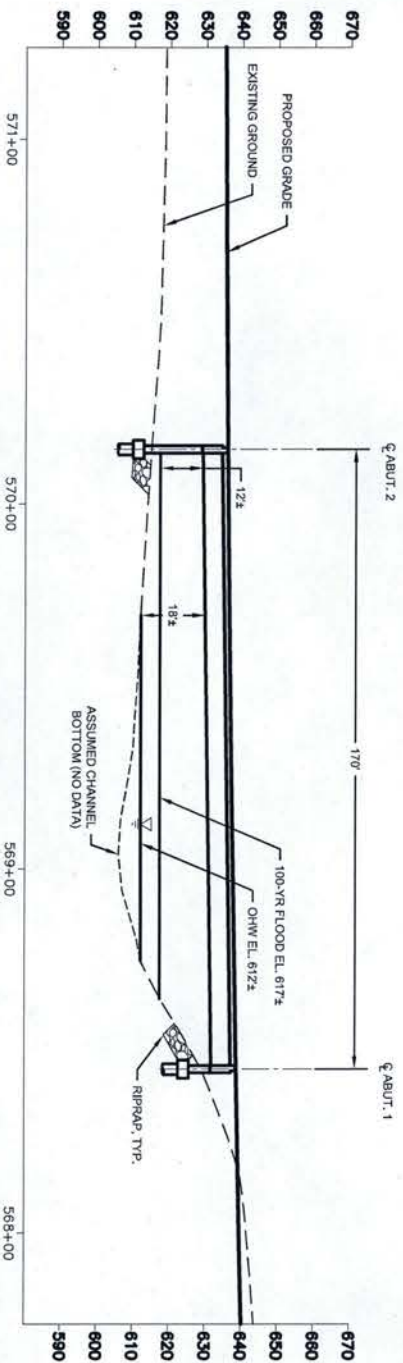
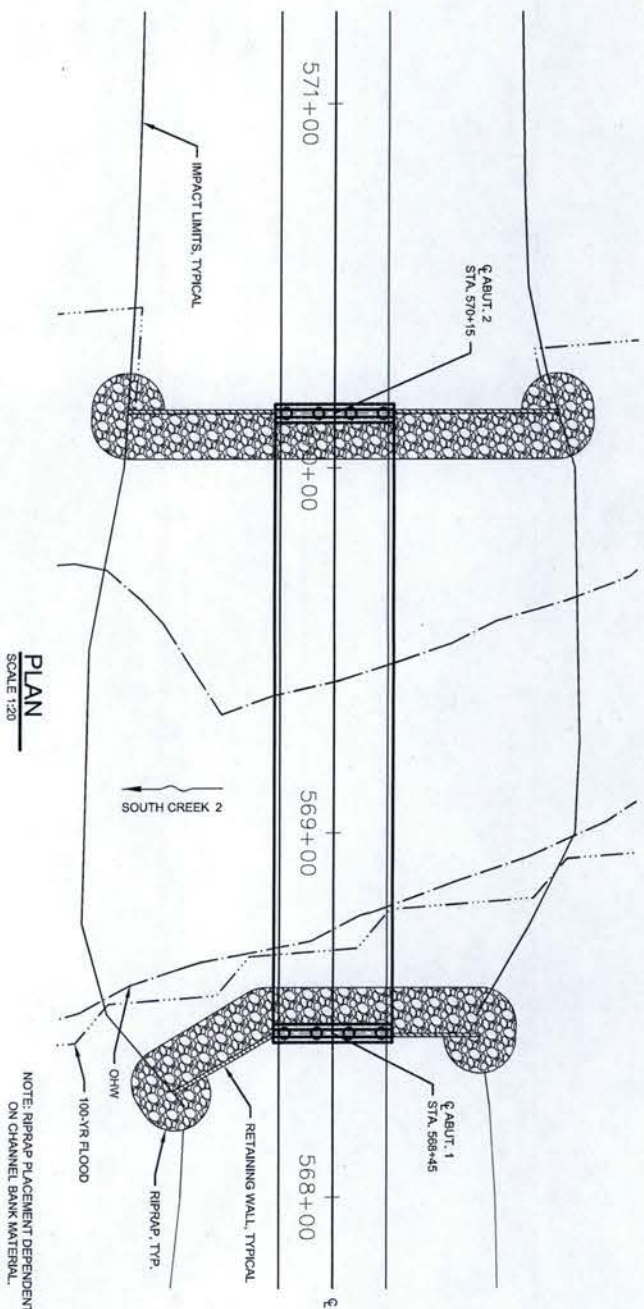
DATE:

DECEMBER 2017

FIGURE NO.

BX-001

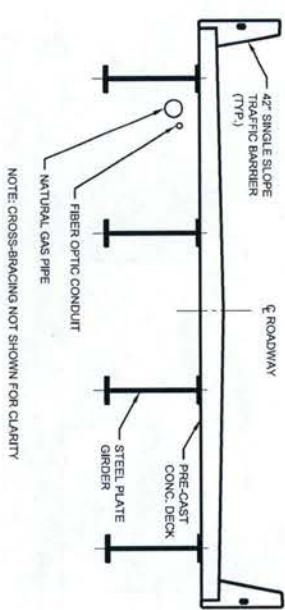
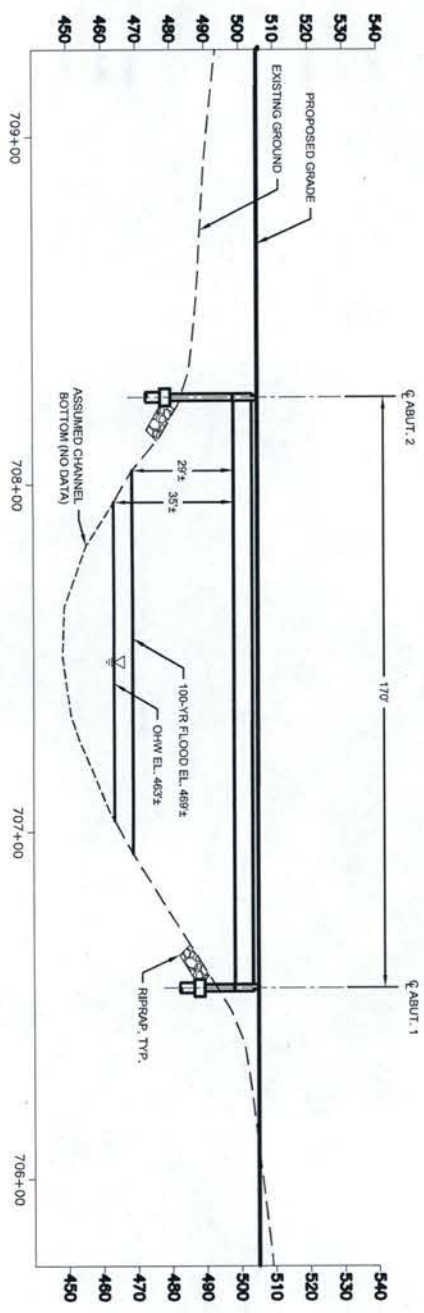
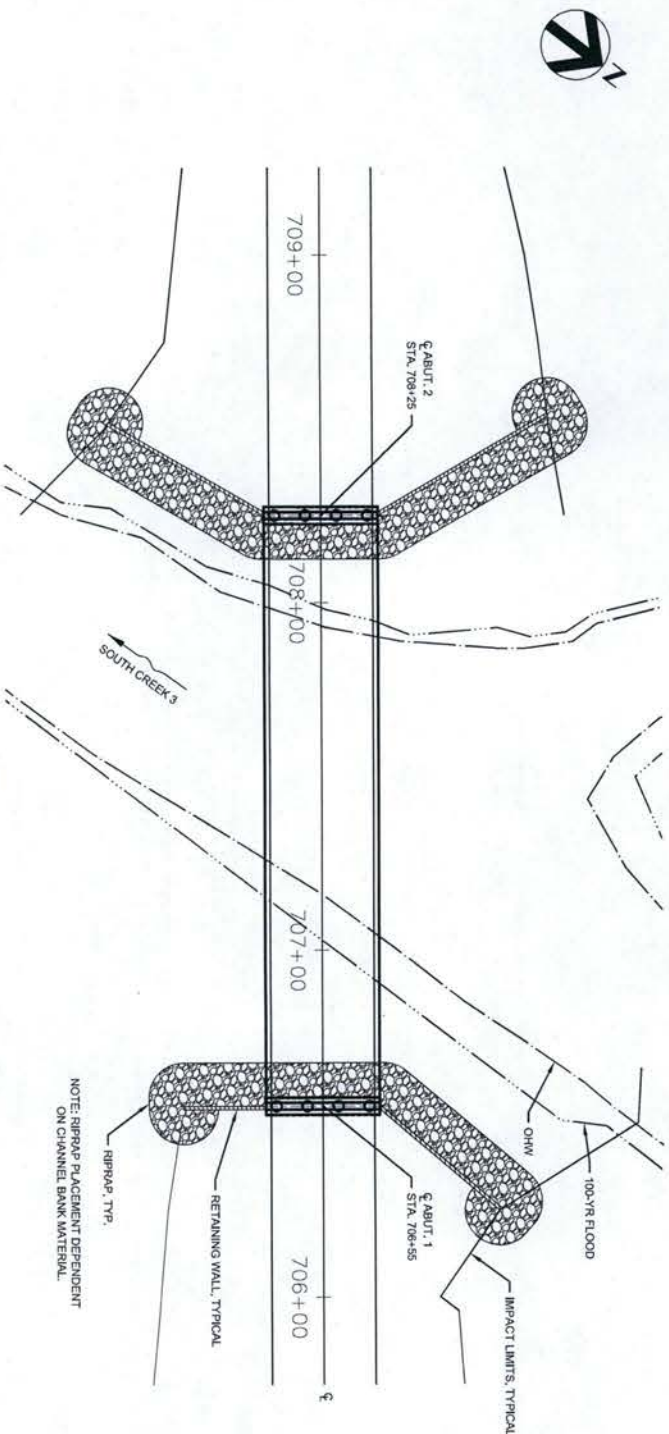




TYPICAL SECTION  
SCALE 1/4

ELEVATION  
SCALE V=1/20, H=1/20

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		SOUTH CREEK 2 BRIDGE	
TOWN OF ANNE		PLAN, PROFILE, AND TYPICAL SECTION	
80°53'12.0" N, 168°18'2.0" W		DATE:	
WATERWAY: ARMANDO CREEK		DECEMBER 2017	
FILE NO. POA-2017-271		FIGURE NO. BX-002	
PROPOSED ACTIVITY: MINERAL DEVELOPMENT			



PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		SOUTH CREEK 3 BRIDGE	
LAT. LONG. OF MINE		PLAN, PROFILE, AND TYPICAL	
69°53'11.29"N, 165°18'52.83"W		SECTION	
WATERWAY:		DATE:	
ILLUMINA LAKE		DECEMBER 2017	
FILE NO.		FIGURE NO.	
POA-2017-271		BX-003	





SCALE 1:20

NOTE: RIPRAP PLACEMENT DEPENDENT ON CHANNEL BANK MATERIAL.



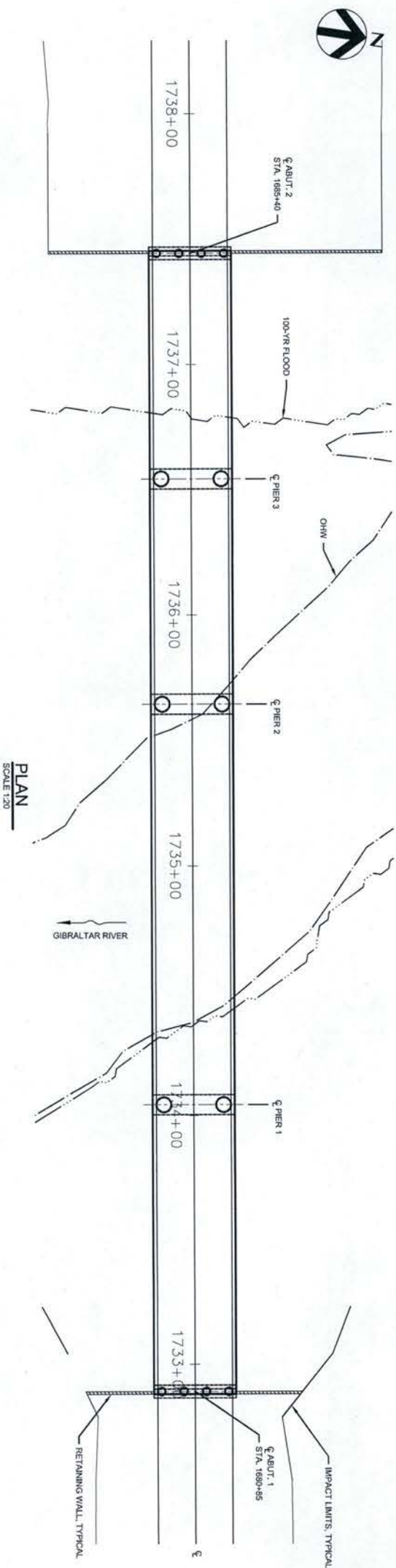
SCALE V=1:20, H=1:20



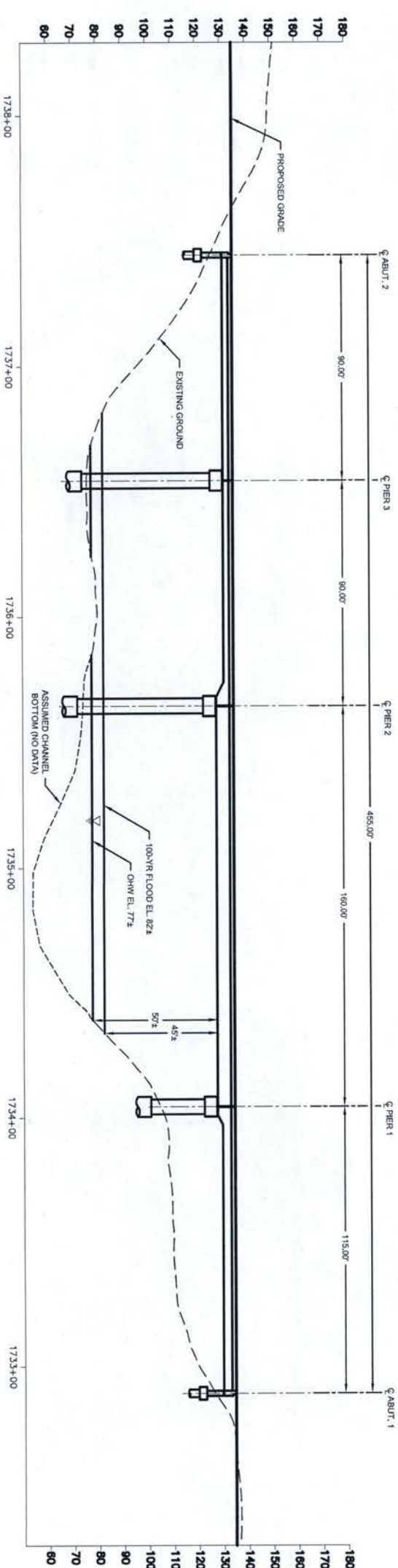
**TYPICAL SECTION**  
**SCALE 1/4"**

**SCALE 1:4**

<b>PEBBLE PROJECT</b> <b>APPLICANT: PEBBLE LIMITED PARTNERSHIP</b>		<b>DRAWING TITLE:</b> <b>SOUTH CREEK 4 BRIDGE</b> <b>PLAN, PROFILE, AND TYPICAL</b> <b>SECTION</b>	
LAT. LONG. OF MINE: 69-55-51.247" N    148-18-2.42" W WATERWAY: LAKE/MOUNTAIN LAKE	PROPOSED ACTIVITY: MINERAL DEVELOPMENT FILE NO. POA-2017-271	DATE: DECEMBER 2017	FIGURE NO. BX-004



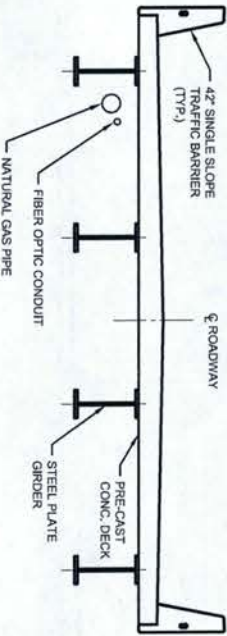
PLAN  
SCALE 1:20



ELEVATION  
SCALE V=1:20, H=1:20

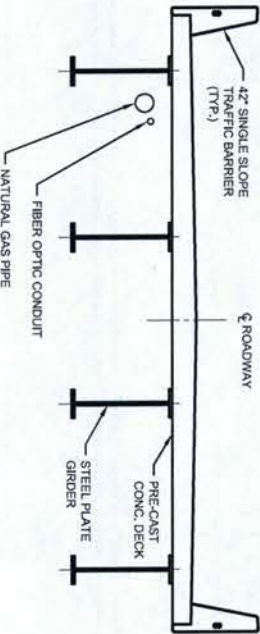
PEBBLE PROJECT			DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP			GIBRALTAR RIVER BRIDGE	
LAT. LONG. OF NINE 69°53'12.9" N 168°18'2.83" W			PLAN AND PROFILE	
WATERWAY GIBRALTAR LAKE			PROPOSED ACTIVITY MINERAL DEVELOPMENT	
FILE NO. POA-2017-271			DATE: DECEMBER 2017	
			FIGURE NO. BX-005	





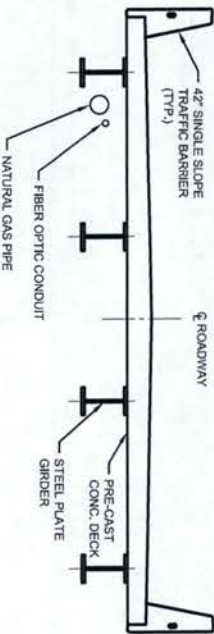
NOTE: CROSS-BRACING NOT SHOWN FOR CLARITY

**SPAN 1 TYPICAL SECTION**  
SCALE 1/4



NOTE: CROSS-BRACING NOT SHOWN FOR CLARITY

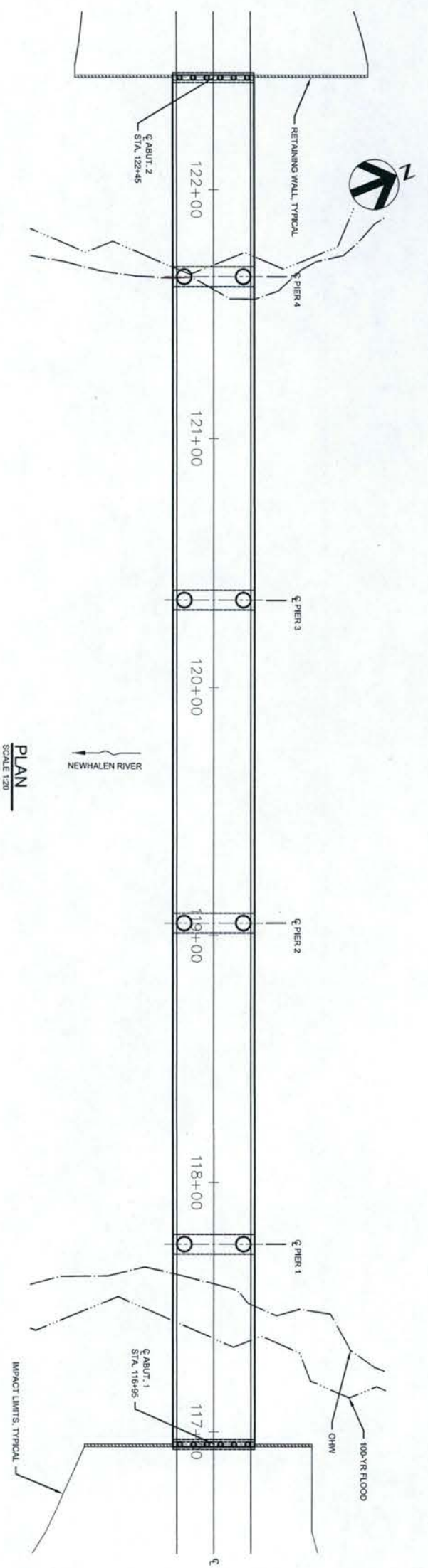
**SPAN 2 TYPICAL SECTION**  
SCALE 1/4



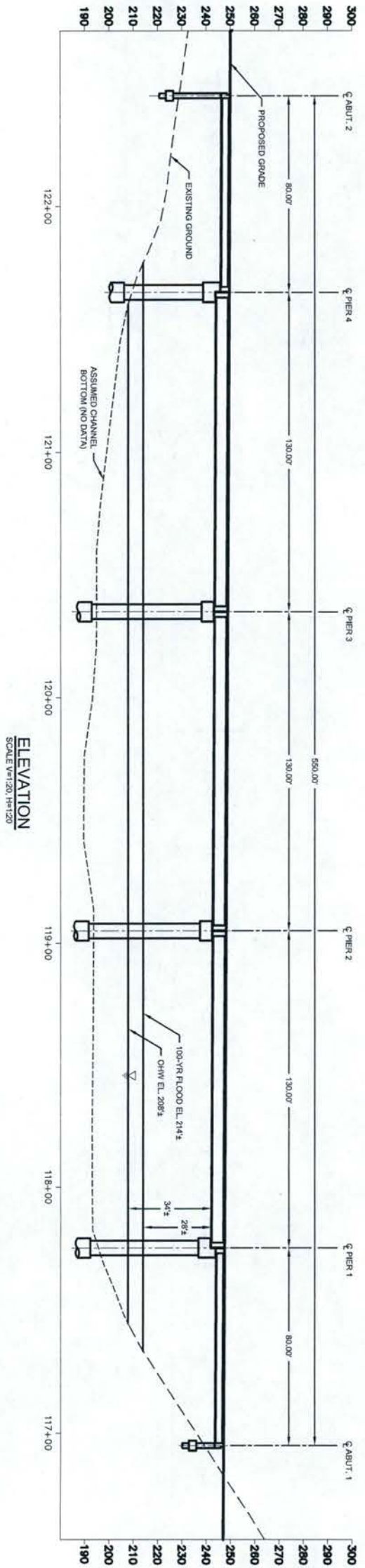
NOTE: CROSS-BRACING NOT SHOWN FOR CLARITY

**SPANS 3 & 4 TYPICAL SECTION**  
SCALE 1/4

PEBBLE PROJECT		DRAWING TITLE: GIBRALTAR RIVER BRIDGE TYPICAL SECTIONS	
APPLICANT: PEBBLE LIMITED PARTNERSHIP			
LAT. LONG. OF MINE 59°53'51.28" N 156°18'2.83" W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: GIBRALTAR LAKE	FILE NO. POA-2017-271	DATE: DECEMBER 2017	FIGURE NO. BX-006



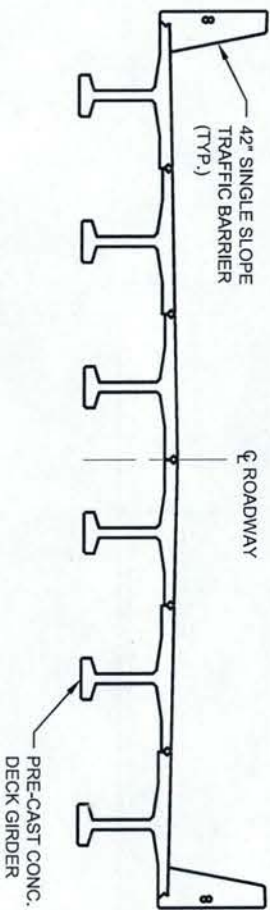
PLAN  
SCALE 1:20



ELEVATION  
SCALE V=1:20, H=1:20

PEBBLE PROJECT			DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP			NEWHALEN RIVER BRIDGE	
LAT., LONG. OF MINE			PLAN AND PROFILE	
69°53'12.29" N 156°18'2.83" W				
PROPOSED ACTIVITY:				
WATERWAY				
NEWHALEN RIVER				
FILE NO.				
POA-2017-271				
DATE:				
DECEMBER 2017				
FIGURE NO.				
BX-007				

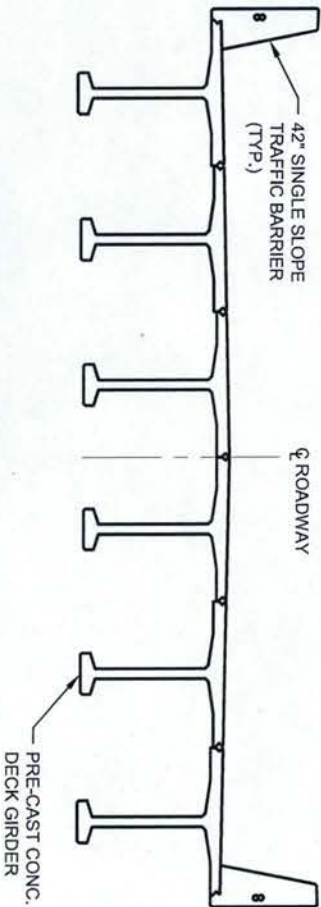




NOTE: INTERMEDIATE DIAPHRAGMS NOT SHOWN FOR CLARITY

**SPANS 1 & 5 TYPICAL SECTION**

SCALE 1:4

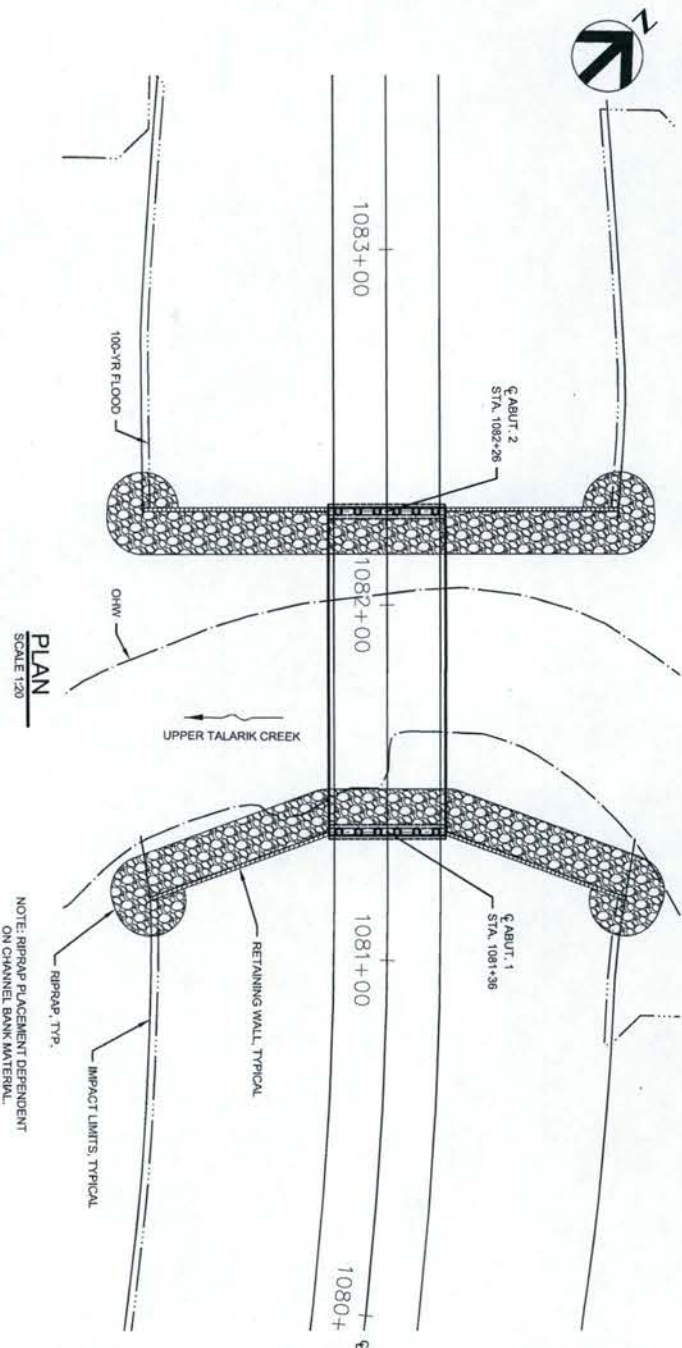


NOTE: INTERMEDIATE DIAPHRAGMS NOT SHOWN FOR CLARITY

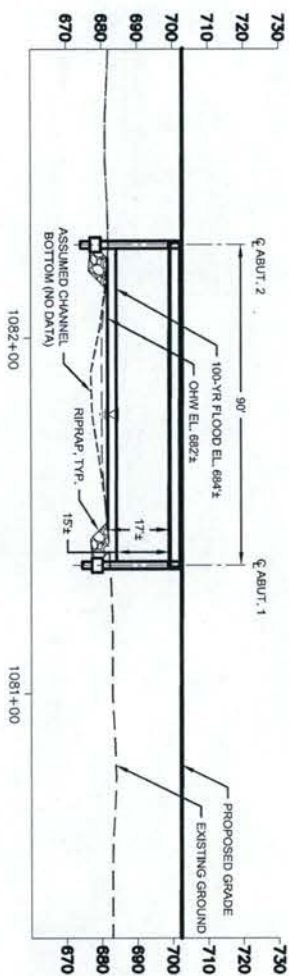
**SPANS 2, 3 & 4 TYPICAL SECTION**

SCALE 1:4

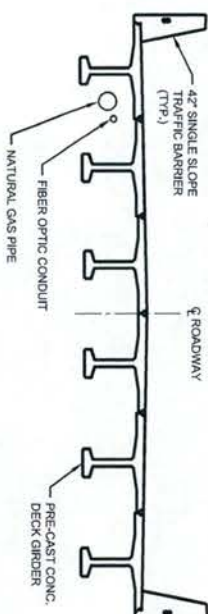
DRAWING TITLE:	
PEBBLE PROJECT	
NEWHALEN RIVER BRIDGE	
TYPICAL SECTIONS	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT. LONG. OF MINE	
66°53'12.27" N, 155°18'2.87" W	
PROPOSED ACTIVITY:	
MINERAL DEVELOPMENT	
WATERWAY:	
NEWHALEN RIVER	
FILE NO.	
POA-2017-271	
DATE:	
DECEMBER 2017	
FIGURE NO.	
BX-008	



PLAN  
SCALE 1/20



ELEVATION  
SCALE V=1/20, H=1/20



TYPICAL SECTION  
SCALE 1/4

NOTE: INTERMEDIATE DIAPHRAGMS NOT SHOWN FOR CLARITY

DRAWING TITLE:

UPPER TALARIK CREEK BRIDGE  
PLAN, PROFILE, AND TYPICAL  
SECTION

PEBBLE PROJECT

APPLICANT: PEBBLE LIMITED PARTNERSHIP

PROPOSED ACTIVITY

MINERAL DEVELOPMENT

FILE NO.

POA-2017-271

DATE:

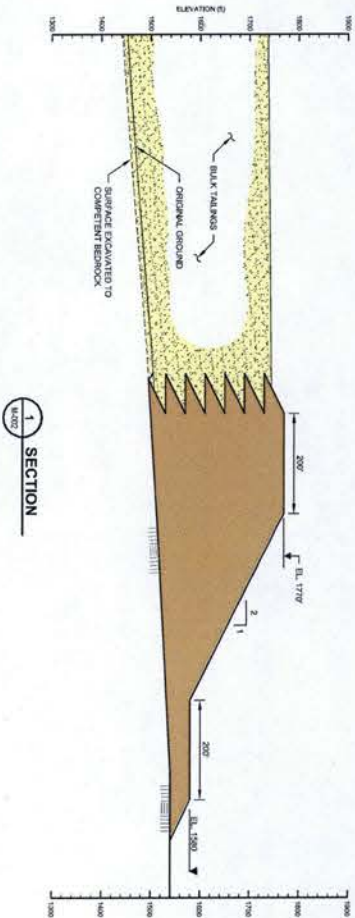
DECEMBER 2017

FIGURE NO.

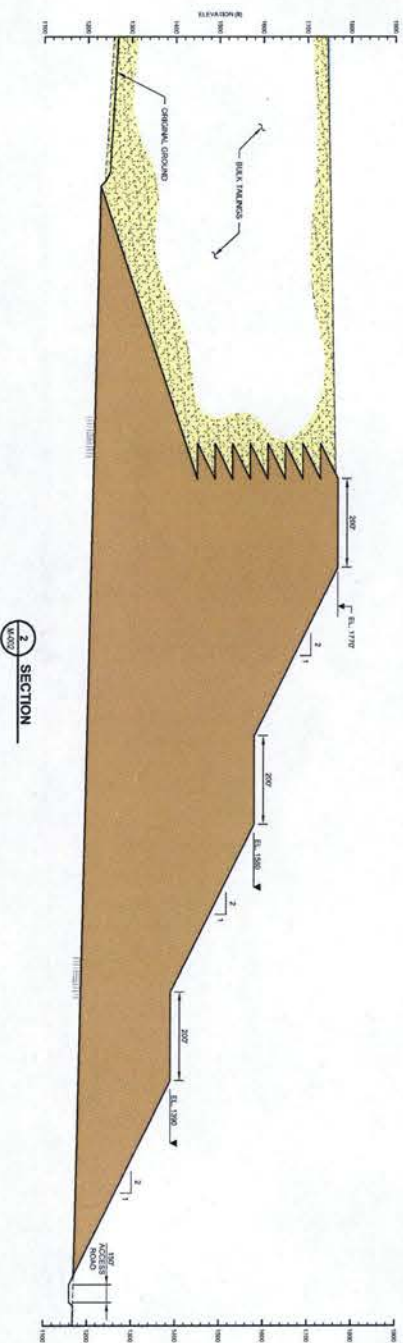
BX-009

UPPER TALARIK CREEK





1 SECTION



2 SECTION

- LEGEND:
- BULK TALINGS
  - OVERBURDEN STOCKPILE
  - GROWTH MEDIUM STOCKPILE
  - EMBANKMENT FILL
  - POKD

- NOTES:
1. COORDINATE GRID IS UTM NAD83, ALASKA STATE PLANE, ZONE 5.
  2. CONTOUR INTERVAL IS 20 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG C0410.

PEBBLE PROJECT  
MAIN EMBANKMENT TYPICAL  
SECTIONS

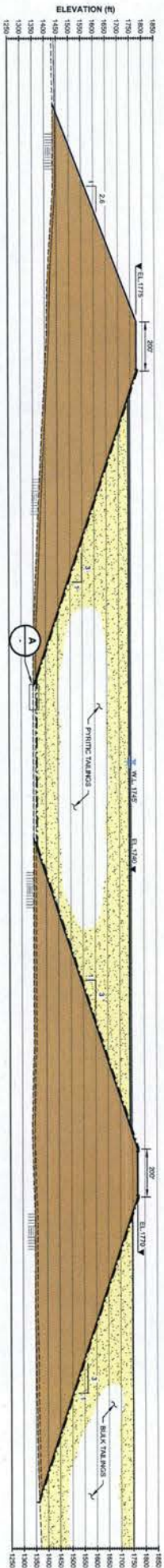
APPLICANT: PEBBLE LIMITED PARTNERSHIP

PROJECT LOCATION:  
MINERAL DEVELOPMENT

FILE NO.: POA-2017-271

DATE: DECEMBER 2017

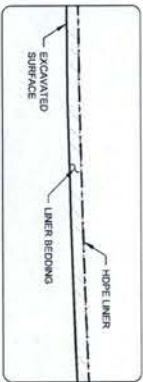
FIGURE NO. MX-001



SOUTH EMBANKMENT - FINAL

SECTION  
A-A

INTERNAL EMBANKMENT - FINAL



DETAIL  
A-A  
LINER

LEGEND:

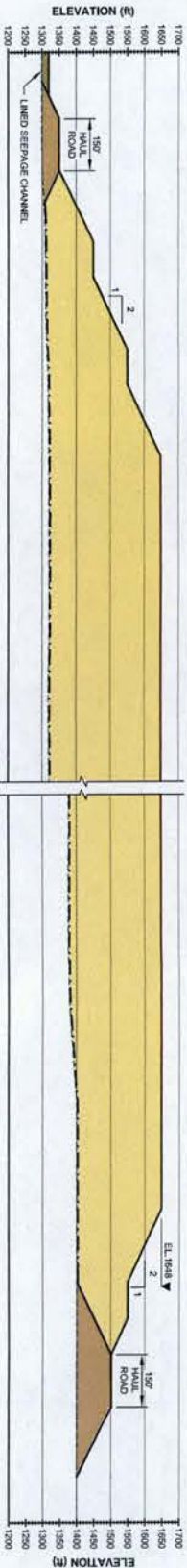
- TAILINGS
- OVERBURDEN STOCKPILE
- GROWTH MEDIA STOCKPILE
- EMBANKMENT FILL
- POND
- HOPE LINER

NOTES:

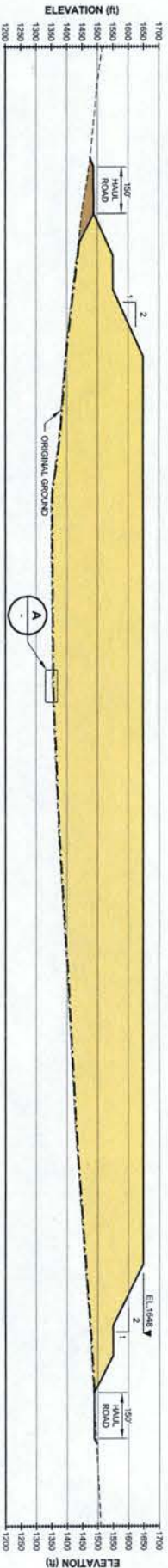
- COORDINATE GRID IS UTM NAD83 ALASKA STATE PLANE, ZONE 5.
- CONTOUR INTERVAL IS 25 FEET.
- DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		SOUTH AND INTERNAL EMBANKMENT TYPICAL SECTIONS	
LAT. LONG. OF MINE	PROPOSED ACTIVITY:	DATE:	FIGURE NO.
69°53'12.9" N 156°18'12.8" W	MINERAL DEVELOPMENT	DECEMBER 2017	MX-002
WATERWAY:	FILE NO.		
KOKTULU RIVER	POA-2017-271		

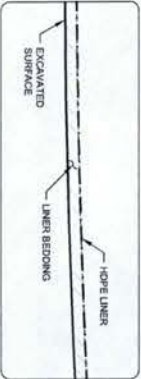




1 SECTION

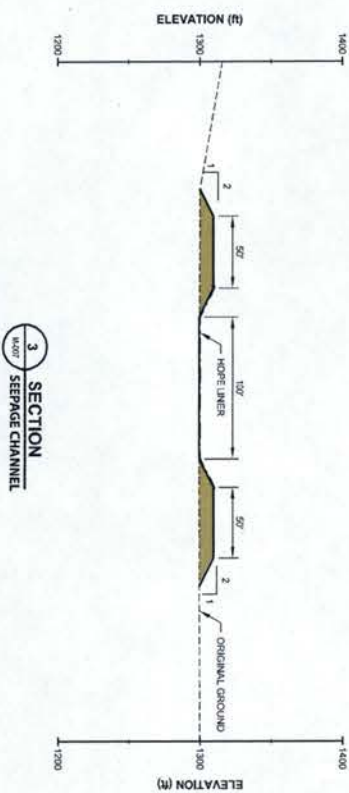


2 SECTION



A DETAIL

- NOTES:**
1. COORDINATE GRID IS UTM NAD83, ALASKA STATE PLANNING, ZONE 6.
  2. CONTOUR INTERVAL IS 25 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG 0010.
- LEGEND:**
- LOW GRADE CORE
  - SELECT FILL (ROAD ACCESS)
  - LINER BEDDING
  - HOPE OR LLOPE LINER



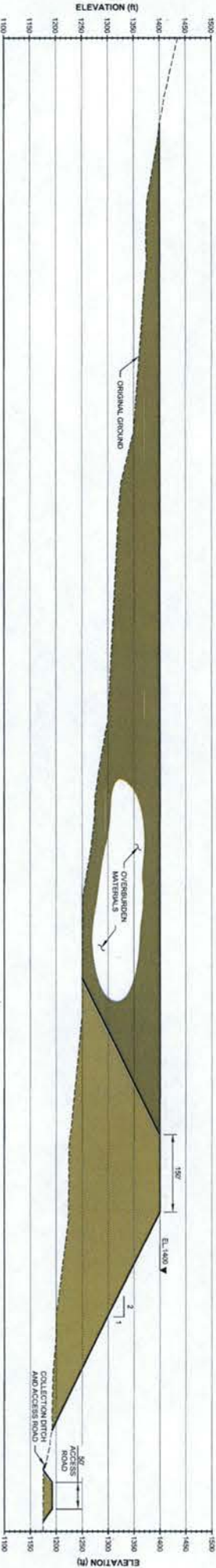
3 SECTION

PEBBLE PROJECT  
APPLICANT: PEBBLE LIMITED PARTNERSHIP  
LGO STOCKPILE TYPICAL SECTIONS

DRAWING TITLE:  
DATE: DECEMBER 2017  
FIGURE NO. MX-003

- NOTES:**
- COORDINATE GRID IS UTM NAD83, ALASKA STATE PLANE, ZONE 5.
  - CONTOUR INTERVAL IS 25 FEET.
  - DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  - TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG C041A.

- LEGEND:**
- SELECT FILL (SELECT OVERBURDEN MATERIALS)
  - OVERBURDEN



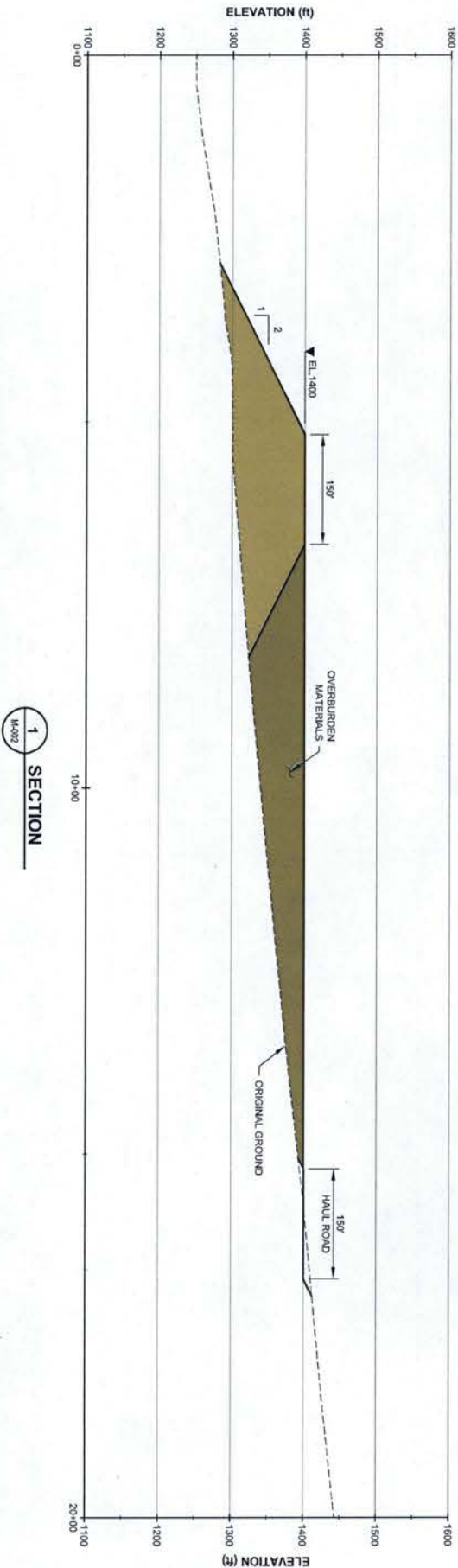
SECTION 1

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		OPEN PIT OVERBURDEN STOCKPILE TYPICAL SECTION	
DA, LONG OF MINE	PROPOSED ACTIVITY:	DATE:	FIGURE NO.
69°51'12.8" N 155°18'23.7" W	MINERAL DEVELOPMENT	DECEMBER 2017	MX-004
WATERWAY	FILE NO.		
KOKTUU RIVER	POA-2017-271		

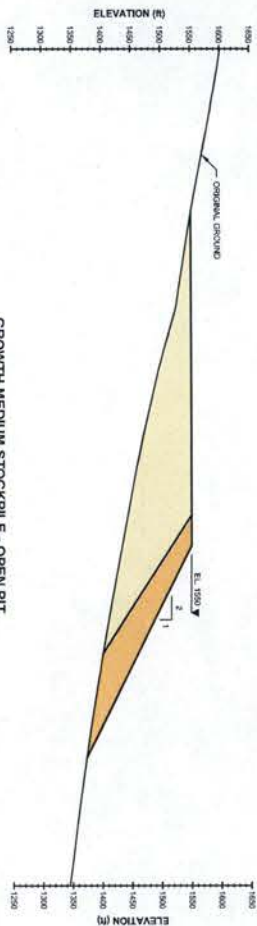


- NOTES:
1. COORDINATE GRID IS UTM 48Q EL, ALASKA STATE PLANE ZONE 5.
  2. CONTOUR INTERVAL IS 25 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG CD-11.

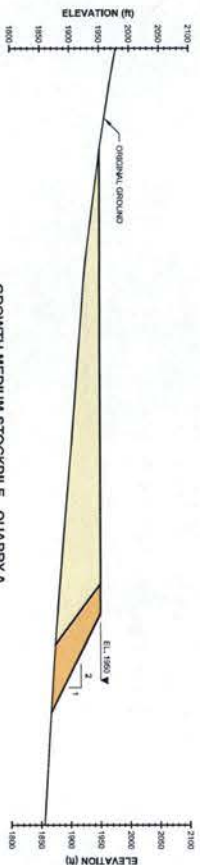
- LEGEND:
-  SELECT FILL (SELECT OVERBURDEN MATERIALS)
  -  OVERBURDEN



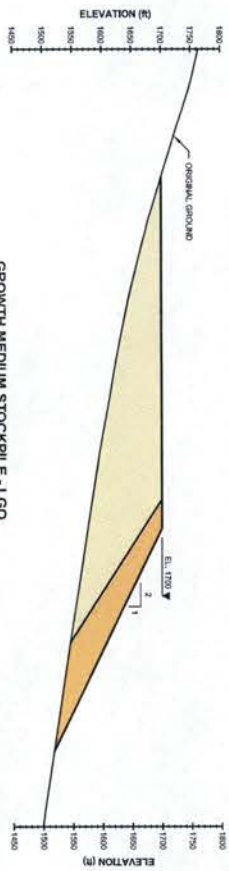
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		TAILINGS STORAGE FACILITY OVERBURDEN STOCKPILE TYPICAL SECTION	
DAT. LONG. OF MINE 98°53'12.8" W 155°18'23.7" W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: DECEMBER 2017	
WATERWAY: KOKTUU RIVER	FILE NO.: POA-2017-271	FIGURE NO.: MX-005	



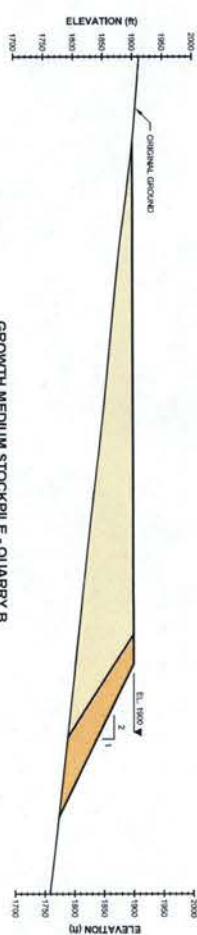
GROWTH MEDIUM STOCKPILE - OPEN PIT  
M-008



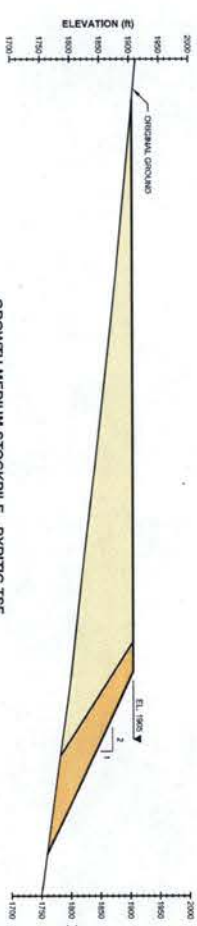
GROWTH MEDIUM STOCKPILE - QUARRY A  
M-009



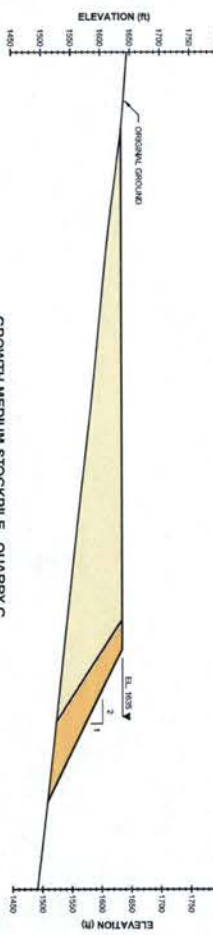
GROWTH MEDIUM STOCKPILE - LGO  
M-011



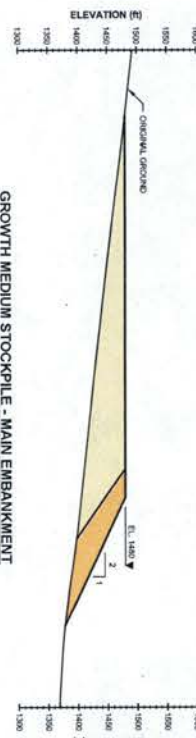
GROWTH MEDIUM STOCKPILE - QUARRY B  
M-014



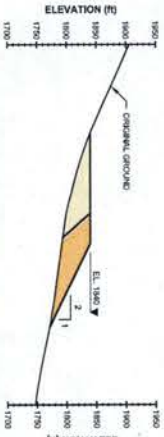
GROWTH MEDIUM STOCKPILE - PYRITIC TSF  
M-014



GROWTH MEDIUM STOCKPILE - QUARRY C  
M-006



GROWTH MEDIUM STOCKPILE - MAIN EMBANKMENT  
M-006



GROWTH MEDIUM STOCKPILE - EAST EMBANKMENT  
M-016



NOTES:  
1. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		GROWTH MEDIUM STOCKPILES	
PROJECT ACTIVITY:		TYPICAL SECTIONS	
MINERAL DEVELOPMENT			
FILE NO.			
POA-2017-271			
DATE:		FIGURE NO.	
DECEMBER 2017		MX-006	

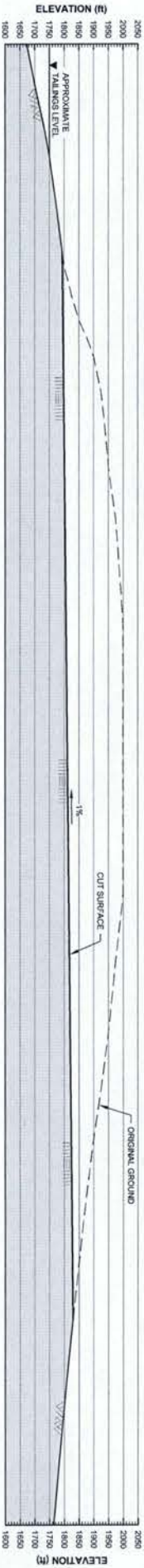




**A** QUARRY A  
M-002



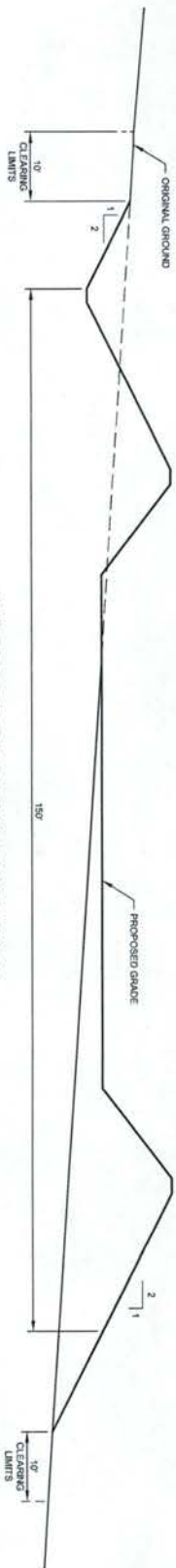
**B** QUARRY B  
M-002



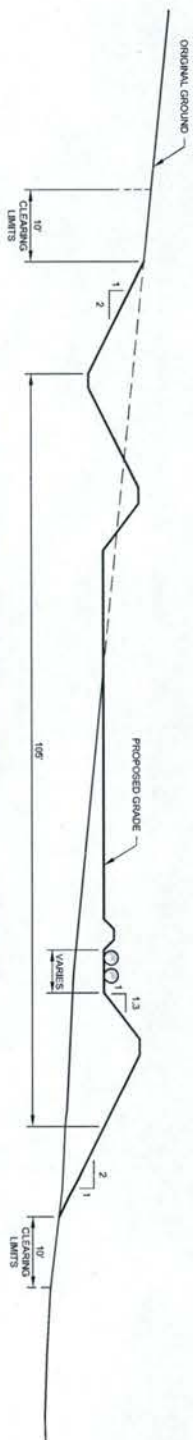
**C** QUARRY C  
M-002

- NOTES:**
1. COORDINATE GRID IS UTM NAD83, ALASKA STATE PLANE, ZONE 5.
  2. CONTOUR INTERVAL IS 25 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.

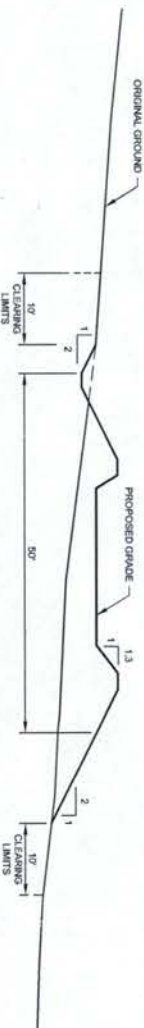
PEBBLE PROJECT  
APPLICANT: PEBBLE LIMITED PARTNERSHIP  
DRA. LONG OF MINE  
59°52'51.57"N 155°18'23.7"W  
KOKTUL RIVER  
PROPOSED ACTIVITY:  
MINERAL DEVELOPMENT  
DATE:  
DECEMBER 2017  
FIGURE NO.  
MX-007



TYPICAL CROSS SECTION FOR HAUL ROADS



TYPICAL CROSS SECTION FOR SERVICE ROADS (WITH PIPELINES)



TYPICAL CROSS SECTION FOR ACCESS ROADS

NOTES:

1. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
2. BERM AND OTCH SLOPE TO BE BASED ON ROAD TRAFFIC REQUIREMENTS.

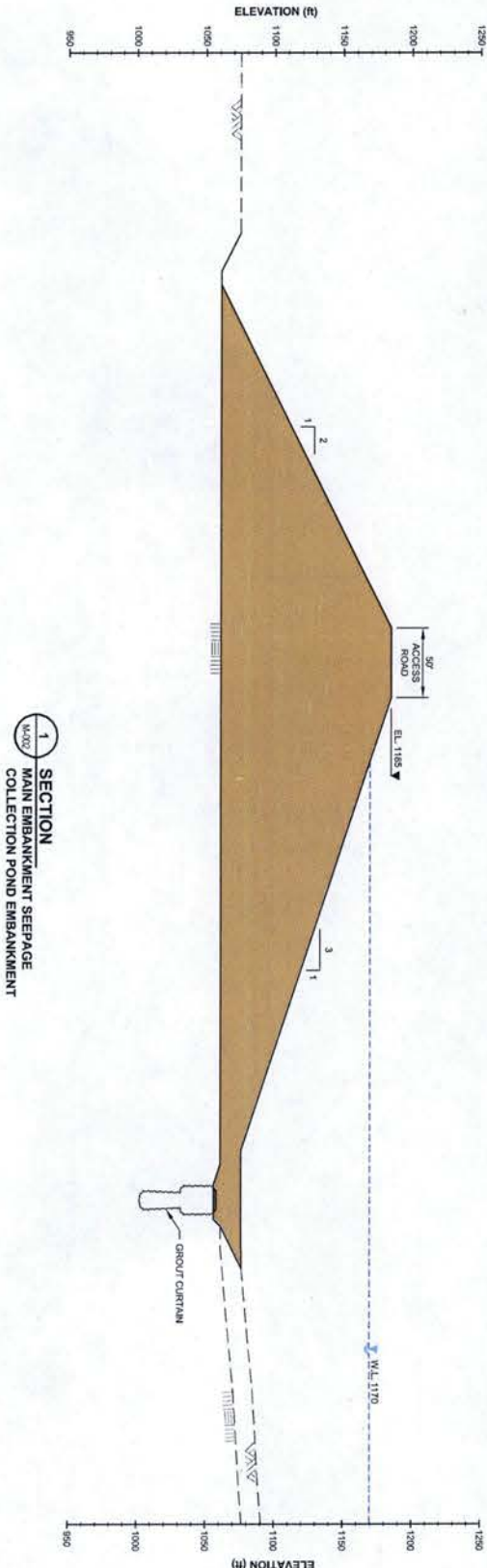
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		HAUL, SERVICE, AND ACCESS	
L.A., LONG OF MINE		ROADS TYPICAL SECTIONS	
69°53'12.7"N 168°18'52.5"W			
WATERWAY			
KOKTULU RIVER			
PROPOSED ACTIVITY:		DATE:	
MINERAL DEVELOPMENT		DECEMBER 2017	
FILE NO.		FIGURE NO.	
POA-2017-271		MX-008	



- NOTES:
1. COORDINATE GRID IS UTM WAD 83, ALASKA STATE PLAINS ZONE 5.
  2. CONTOUR INTERVAL IS 25 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG CMT1.

LEGEND:

SELECT FILE



PEBBLE PROJECT

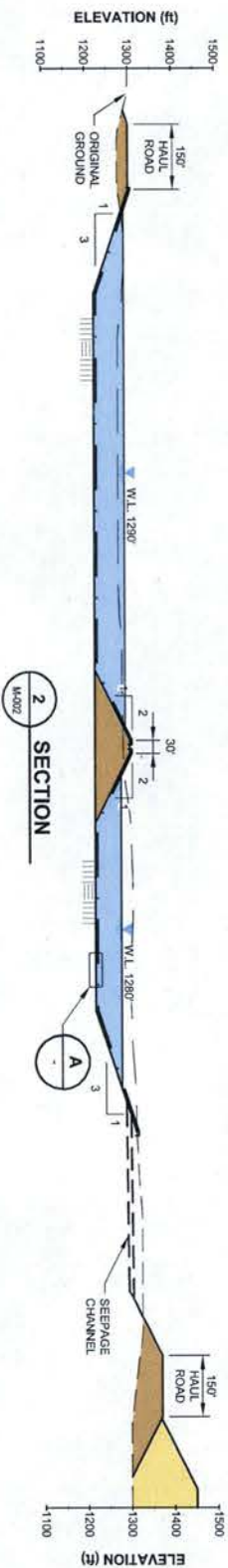
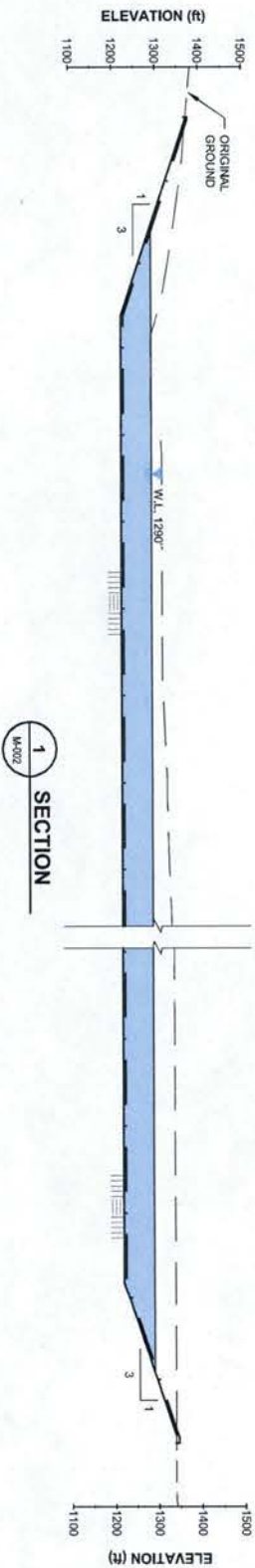
APPLICANT: PEBBLE LIMITED PARTNERSHIP

MAIN EMBANKMENT SEEPAGE  
COLLECTION POND TYPICAL  
SECTION

FILE NO. POA-2017-271

DATE: DECEMBER 2017

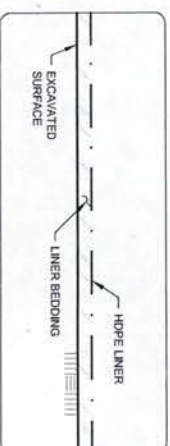
FIGURE NO. MX-009



- LEGEND:**
- LOW GRADE ONE
  - SELECT FILL
  - POND
  - LINER BEDDING
  - HDPE LINER

**NOTES:**

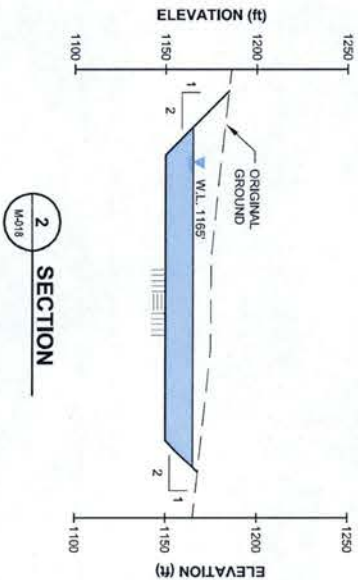
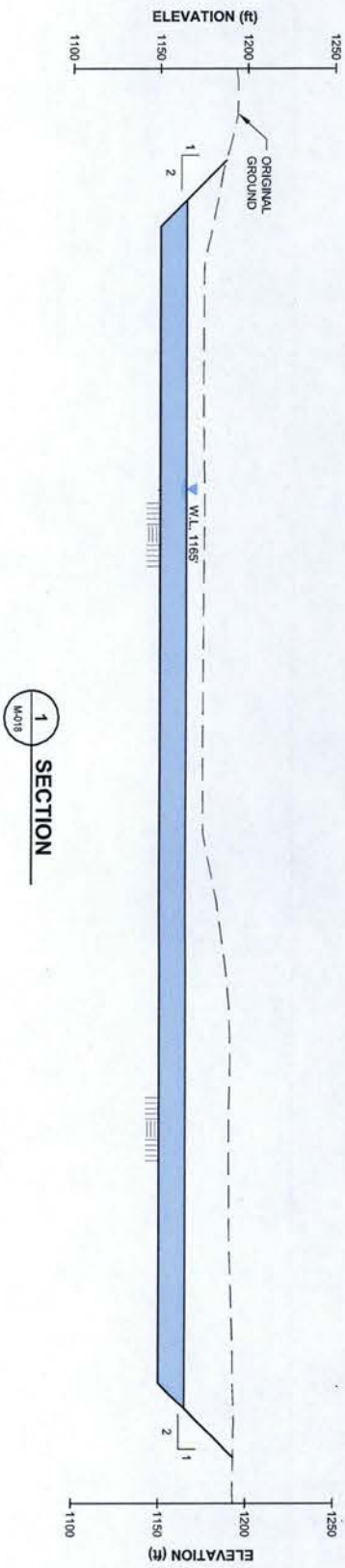
1. COORDINATE GRID IS UTM NAD 83, ALASKA STATE PLATES ZONE 5.
2. CONTOUR INTERVAL IS 10 FEET.
3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG CD-100.



**A**  
LINER  
SCALE

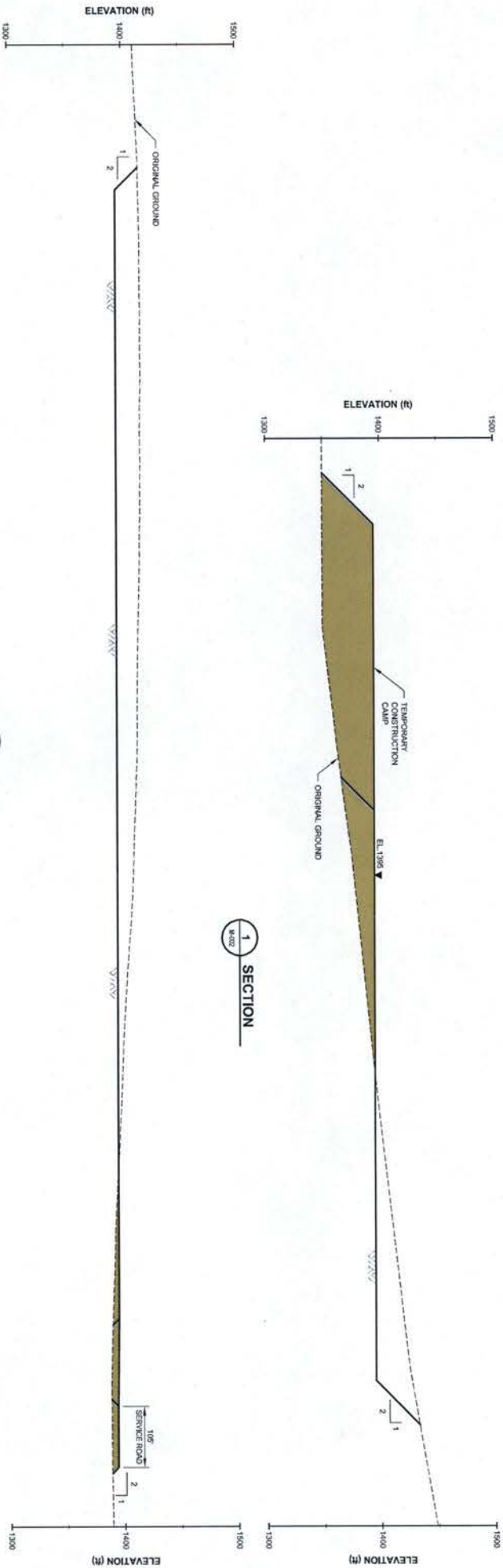
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		LGO AND MAIN WATER	
MANAGEMENT POND TYPICAL		SECTIONS	
FILE NO.		DATE:	
POA-2017-271		DECEMBER 2017	
FIGURE NO.		MX-010	





- NOTES:**
- 1. COORDINATE GRID IS UTM NAD 83, ALASKA STATE PLATES ZONE 5.
  - 2. CONTOUR INTERVAL IS 10 FEET.
  - 3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		OPEN PIT OVERBURDEN	
TAX TONG OF LINE		STOCKPILE SEDIMENT POND	
68°53'12.87" N 185°18'2.83" W		TYPICAL SECTIONS	
WATERWAY: KOKTUL RIVER		DATE:	
FILE NO. POA-2017-271		DECEMBER 2017	
		FIGURE NO. MX-011	



- NOTES:**
1. COORDINATE GRID IS UTM (WGS 83, ALASKA STATE PLANE) ZONE 8.
  2. CONTOUR INTERVAL IS 25 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG C0410.

**LEGEND:**

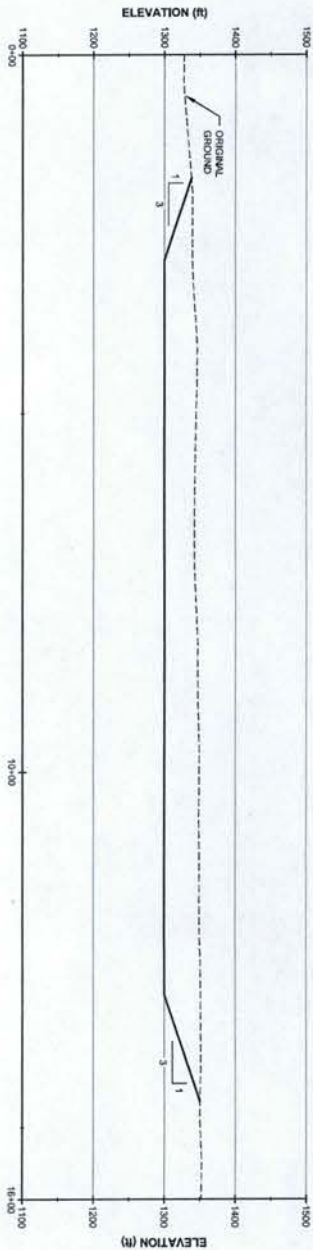
SELECT FILL

2 SECTION

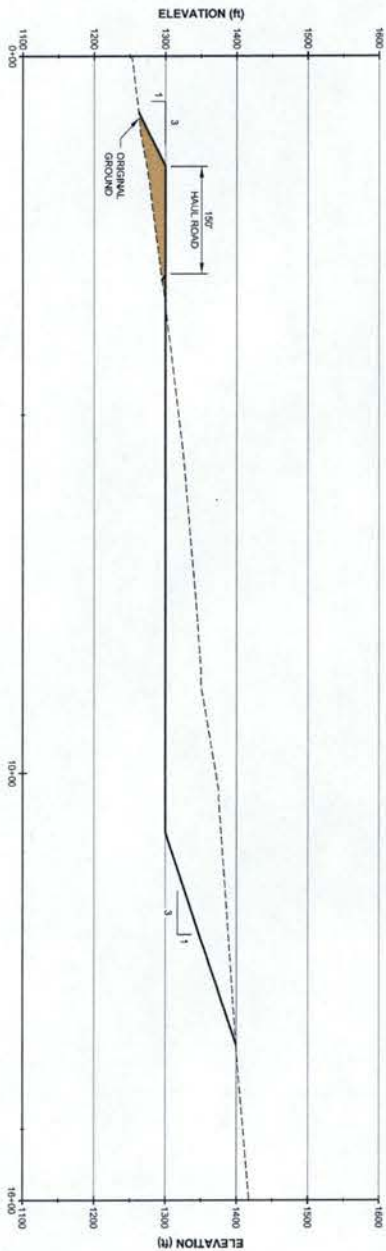
1 SECTION

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		MILL LAYDOWN TYPICAL SECTIONS	
DATA: LONG. OF MINE	PROPOSED ACTIVITY:	DATE:	FIGURE NO.
B9953123 W 155°18'24.25 W	MINERAL DEVELOPMENT	DECEMBER 2017	MX-012
WATERWAY:	FILE NO.		
KOKTU RIVER	POA-2017-271		





1 SECTION

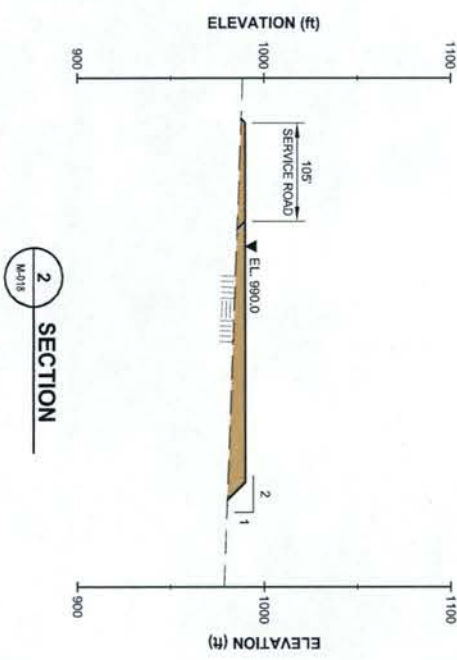
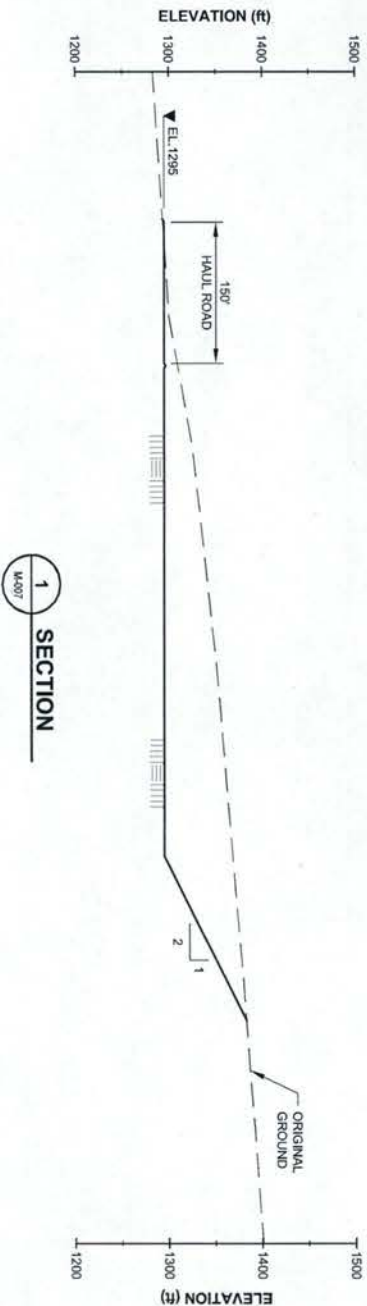


2 SECTION

- NOTES:
1. COORDINATE GRID IS UTM NORTH, ALASKA STATE PLANE, ZONE 5.
  2. CONTOUR INTERVAL IS 25 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DRG C0410.

- LEGEND:
- EMBANKMENT FILL
  - SELECT FILL (ROAD ACCESS)

DRAWING TITLE:		
PEBBLE PROJECT		
TAILINGS STORAGE FACILITY LAYDOWN TYPICAL SECTIONS		
APPLICANT: PEBBLE LIMITED PARTNERSHIP		
FILE NO. POA-2017-271		
DATE: DECEMBER 2017		
FIGURE NO. MX-013		
TAL LONG OF MINE		
99°53'12.9" N 185°18'24.3" W		
MINERAL DEVELOPMENT		
WATERWAY: KONTULU RIVER		

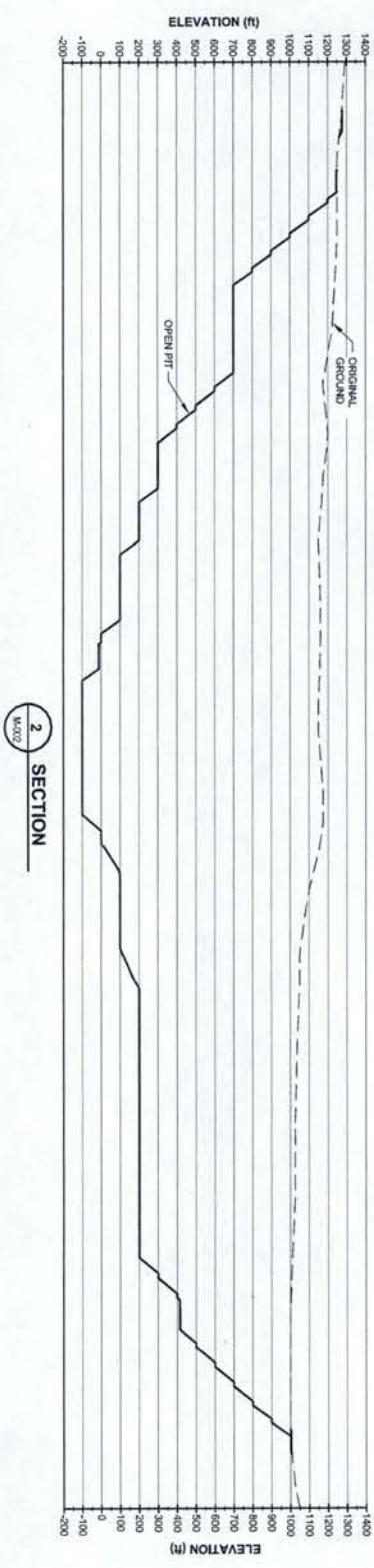
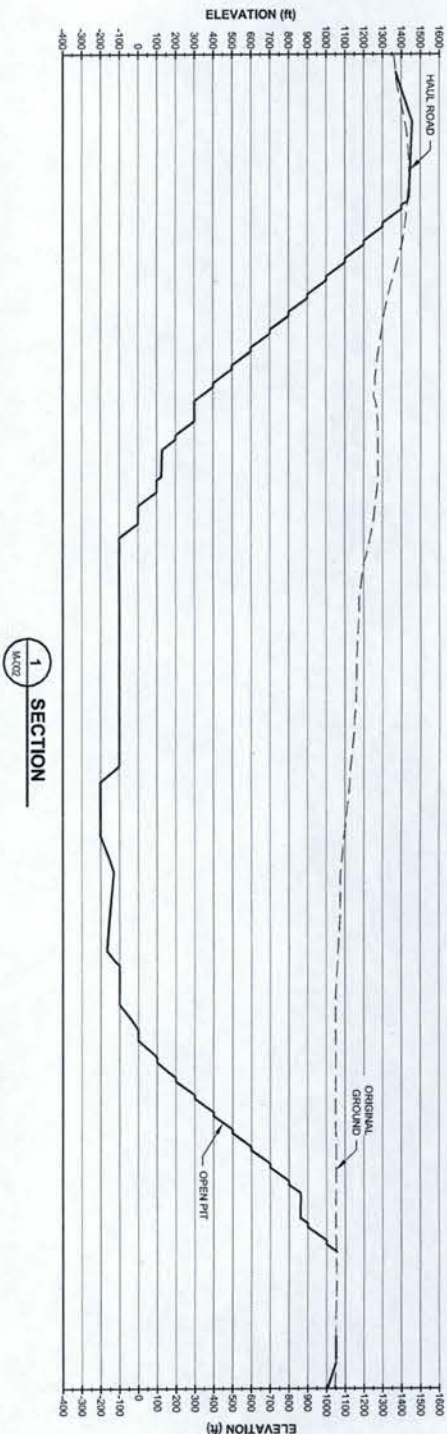


**LEGEND:**  
SELECT FILL

- NOTES:**
1. COORDINATE GRID IS UTM NAD 83, ALASKA STATE PLANE, ZONE 5.
  2. CONTOUR INTERVAL IS 10 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG 0418.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		WATER TREATMENT PLANTS 1	
FILE NO.		AND 2 TYPICAL SECTIONS	
POA-2017-271		DATE:	
DECEMBER 2017		FIGURE NO.	
MX-014			



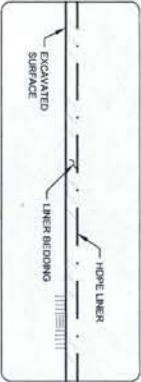


- NOTES:
- 1. COORDINATE GRID IS UTM NAD 83, ALASKA STATE PLANE ZONE 1.
  - 2. CONTOUR INTERVAL, 10 FEET.
  - 3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  - 4. OPEN PIT SURFACE PROVIDED BY P.L.P. ON SEPTEMBER 28, 2017.

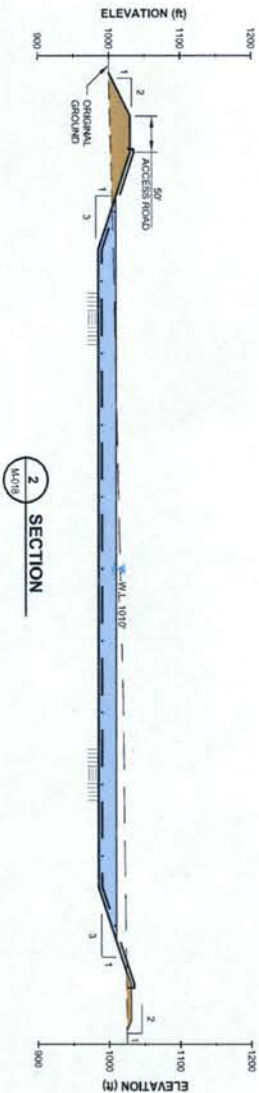
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		OPEN PIT TYPICAL SECTIONS	
LAT. LONG. OF MINE: 69°43'12.27" N 156°18'2.83" W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: DECEMBER 2017	
TOWN/REGION: KOKTULU RIVER		FILE NO.: POA-2017-271	FIGURE NO.: MX-015



SECTION 1

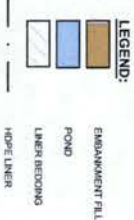


DETAIL A  
LINER



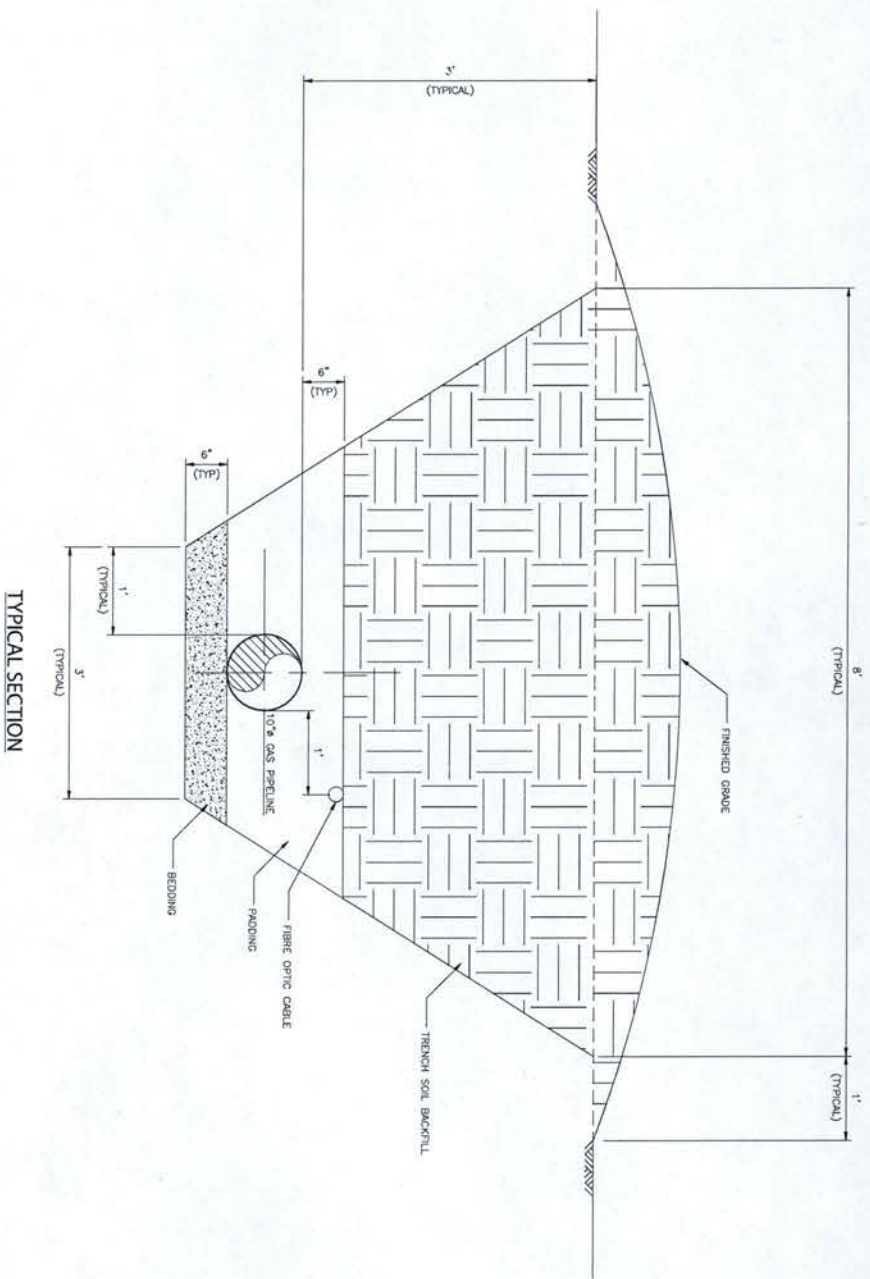
SECTION 2

- NOTES:**
1. COORDINATE GRID IS UTM NAD 83, ALASKA STATE PLANE, ZONE 5.
  2. CONTOUR INTERVAL IS 10 FEET.
  3. DIMENSIONS AND ELEVATIONS ARE IN FEET, UNLESS NOTED OTHERWISE.
  4. TYPICAL ROAD SECTIONS AND DETAILS SHOWN ON DWG C0410.



PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		OPEN WATER MANAGEMENT	
LAT. LONG. OF MINE		POND TYPICAL SECTIONS	
88°53'12.27"N 155°19'23.37"W			
WATERWAY:			
MOKTILU RIVER			
PROPOSED ACTIVITY:			
MINERAL DEVELOPMENT			
FILE NO.:			
POA-2017-271			
DATE:			
DECEMBER 2017			
FIGURE NO.:			
MX-016			





DRAWING TITLE:

PEBBLE PROJECT

APPLICANT: PEBBLE LIMITED PARTNERSHIP

TAJ LONG OF MINE

69°53'11.28" N 166°18'2.33" W

WATERWAY:  
VARIOUS

NATURAL GAS PIPELINE  
TRENCH CROSS  
SECTION TYPICAL

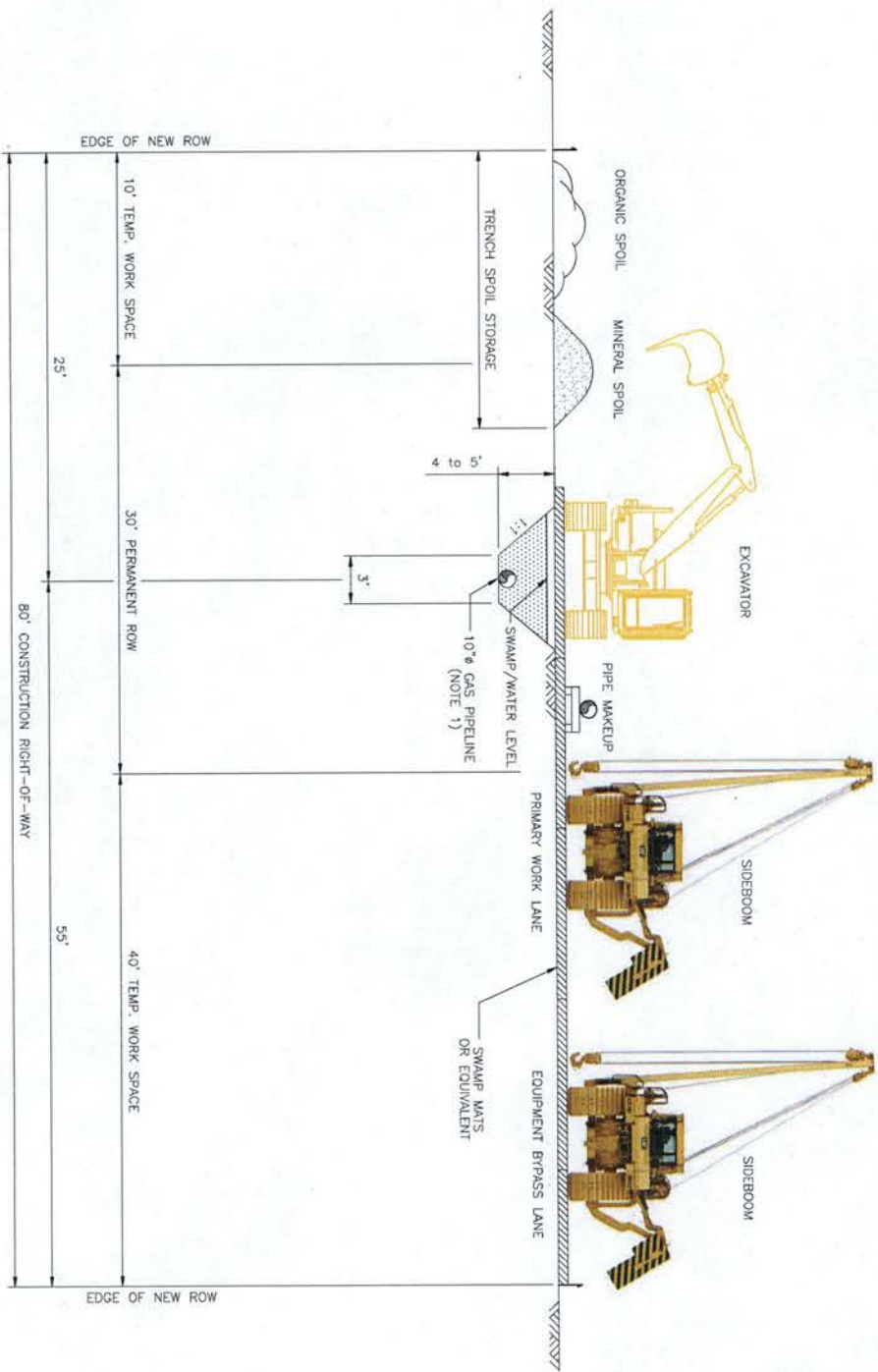
FILE NO.

POA-2017-271

DATE:

DECEMBER 2017

FIGURE NO.  
GX-001

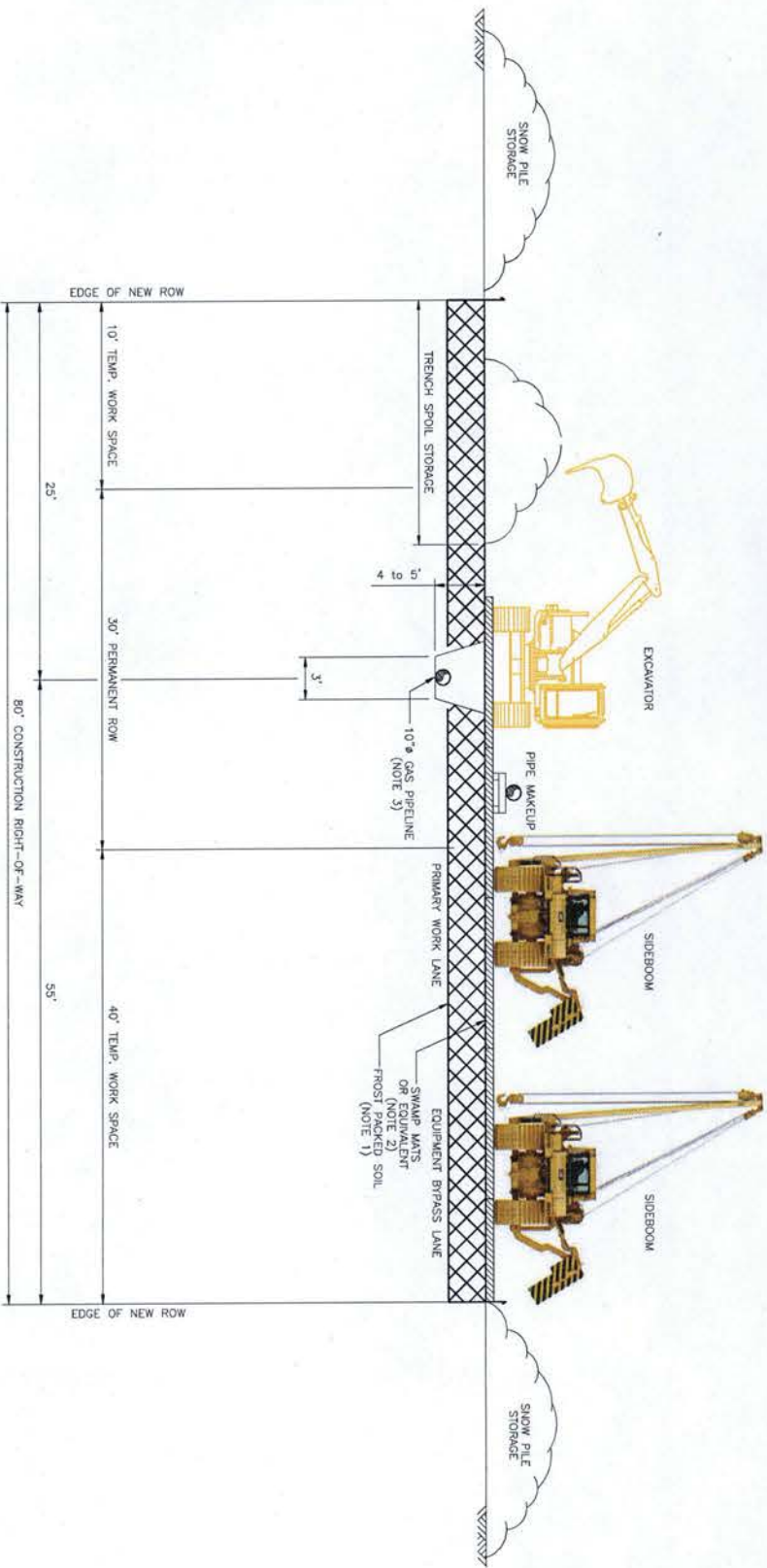


RIGHT-OF-WAY CROSS SECTION

NOTES:  
1. FIBRE OPTIC CABLE INSTALLED IN COMMON DITCH.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		RIGHT OF WAY CROSS SECTION WETLANDS SUMMER CONSTRUCTION	
LAT. LONG. OF MINE 69°53'12.7"N 168°18'23.7"W			
WATERWAY: VARIOUS			
PROPOSED ACTIVITY: MINERAL DEVELOPMENT	FILE NO.	DATE:	
	POA-2017-271	DECEMBER 2017	
		FIGURE NO.	GX-002





RIGHT-OF-WAY CROSS SECTION

- NOTES:
1. GROUND TO BE CLEARED OF SNOW, FROST TO BE DRIVEN DOWN TO AT LEAST 2' DEPTH.
  2. IF SUFFICIENT FROST DEPTH CANNOT BE ACHIEVED SWAMP MATS ARE REQUIRED.
  3. FIBRE OPTIC CABLE INSTALLED IN COMMON DITCH.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		RIGHT OF WAY CROSS SECTION	
LAT. LONG. OF MINE		WETLANDS	
69°53'1.23" N 155°18'2.43" W		WINTER CONSTRUCTION	
PROPOSED ACTIVITY:		DATE:	
MINERAL DEVELOPMENT		DECEMBER 2017	
FILE NO.		FIGURE NO.	
POA-2017-271		GX-003	
WATERWAY:			
VARIOUS			