

FILE G:\CDB\SFH\0326\PlanSet\A1 TITLE.dwg DATE 8/26/2022 9:34 LAYOUT A1 TITLE DESIGNED BW, AH CHECKED DRAFTED AH

STATE OF ALASKA

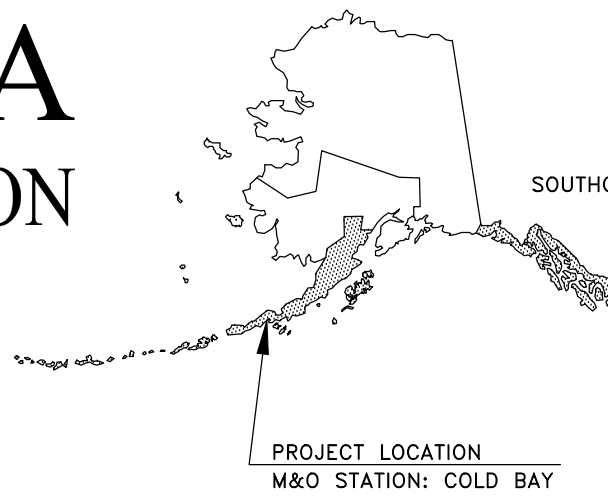
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

COLD BAY TROUT CREEK CULVERTS WFL

PROJECT NO. 0003265/SFH\00326

GRADING, DRAINAGE, AND SLOPE STABILIZATION

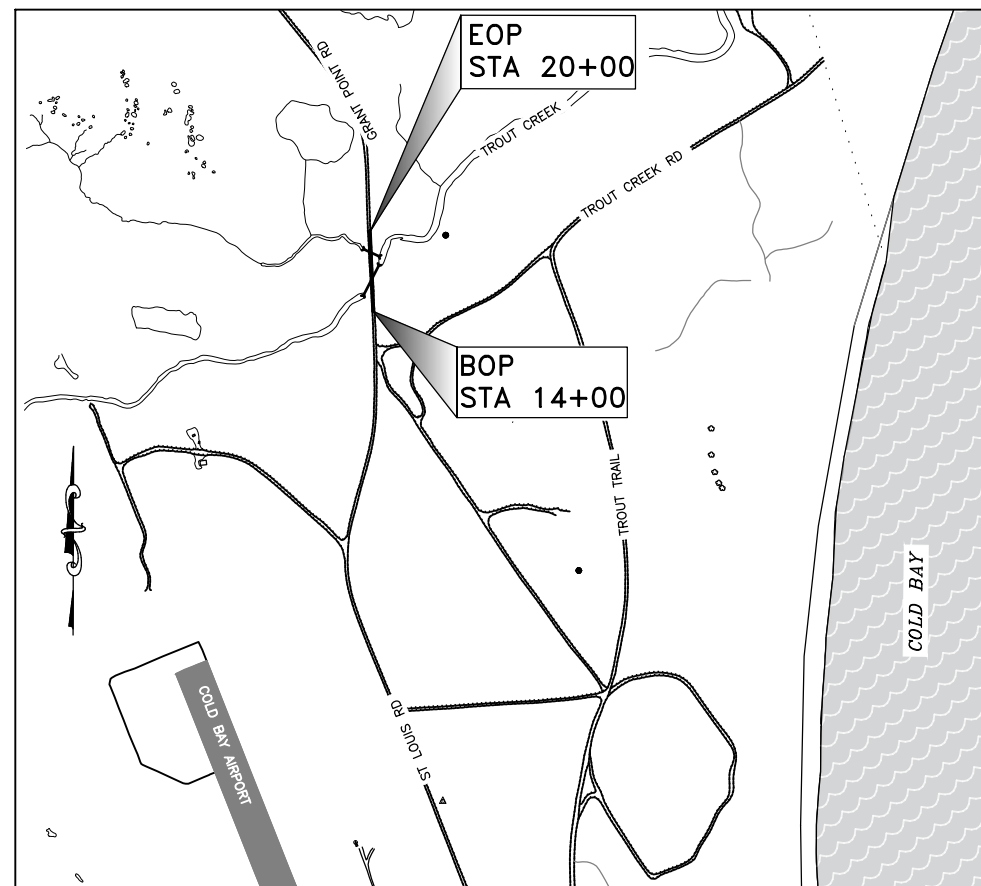


NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFH\00326	2023	A1	21
			CDS ROUTE: 070509		MILEPOINT: 1.61 TO 1.70		
			LATITUDE: 55°13'38.6"N		LONGITUDE: 162°44'2.7"E		

PROJECT SUMMARY	
	ST. LOUIS RD
WIDTH OF ROAD	26'
LENGTH OF SURFACING	260'
LENGTH OF PROJECT	600'

DESIGN DESIGNATIONS	
PROJECT TYPE	RECONSTRUCTION
FUNCTIONAL CLASS	LOCAL
ADT (2019)	50
ADT (2023)	51
DHV (2019)	6
DHV (2023)	7
PERCENT TRUCKS (T)	9.06%
DIRECTIONAL SPLIT (D)	50 / 50
DESIGN SPEED (V)	25 MPH
DESIGN EAL'S (20 YEARS)	50,000

PRE-ENVIRONMENTAL
 REVIEW -
 NOT FOR
 CONSTRUCTION



VICINITY MAP: COLD BAY, AK

USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2020 EDITION AND THE PROJECT SPECIAL PROVISIONS.

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99801
 (907) 465-1763

APPROVED:

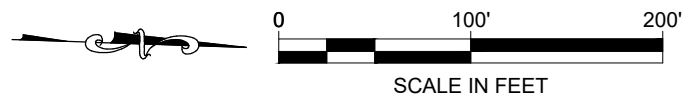
KIRK MILLER, P.E. _____ DATE _____
 REGIONAL PRECONSTRUCTION ENGINEER

CONCUR:

D. LANCE MEARIG, P.E. _____ DATE _____
 DIRECTOR, SOUTHCOAST REGION

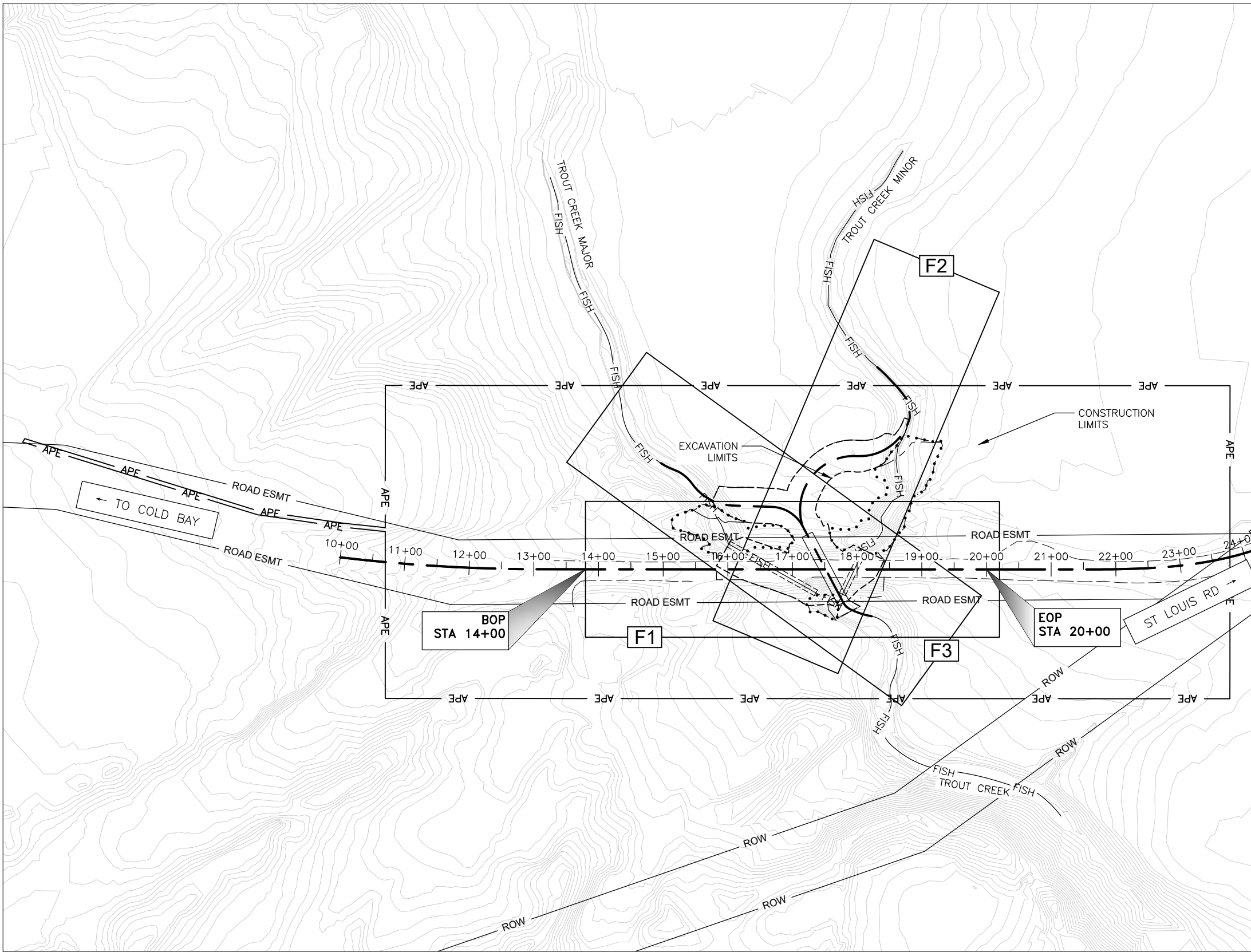
GENERAL NOTES:

1. ALL CONSTRUCTION ACTIVITIES SHOWN ARE COMPLETELY WITHIN DOT&PF PROPERTY.



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	A2	21

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SHEET LAYOUT INDEX
A3	LEGEND
B1-B2	TYPICAL SECTIONS
B3	ALIGNMENT DATA
C1	ESTIMATE OF QUANTITIES
D1	SUMMARY TABLES
E1	CULVERT/DRAINAGE DETAILS
F1-F4	PLAN & PROFILE
J1	CULVERT DETAIL
Q1-Q3	EROSION SEDIMENT CONTROL PLANS
T1-T2	TRAFFIC CONTROL PLANS
S1-S2	CONSTRUCTION PHASING PLANS



ABBREVIATIONS			
AADT	AVERAGE ANNUAL DAILY TRAFFIC	MIN	MINIMUM
ADA	AMERICAN DISABILITIES ACT	MPH	MILES PER HOUR
AK	ALASKA	MT	MOUNT
APE	AREA OF POTENTIAL EFFECT	N	NORTH
APPROX	APPROXIMATELY	N/A	NOT APPLICABLE
ASDS	ALASKA SIGN DESIGN SPECIFICATION	NO	NUMBER
AVE	AVENUE	OHE	OVERHEAD ELECTRIC
BFM	BONDED FIBER MATRIX	OHW	ORDINARY HIGH WATER
BOP	BEGINNING OF PROJECT	PE	PROFESSIONAL ENGINEER
CL	CENTER LINE	PG	PERFORMANCE GRADE
CSA	CONTRACTOR STAGING AREA	PST	PERFORATED STEEL TUBE
CY	CUBIC YARD	RD	ROAD
DHV	DESIGN HOURLY VOLUME	ROW	RIGHT OF WAY
DIA	DIAMETER	RT	RIGHT
DOT&PF	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	S	SOUTH
DR	DRIVE	ST	SAINT
E	EAST	SHLD	SHOULDER
ELEC	ELECTRIC	SHT	SHEET
ELEV	ELEVATION	SF	SQUARE FEET
EOP	END OF PROJECT	STA	STATION
ESAL	EQUIVALENT SINGLE AXLE LOAD	ST	STREET
ESMT	EASEMENT	SY	SQUARE YARD
HWY	HIGHWAY	TC	TROUT CREEK
IN	INCH	TCMA	TROUT CREEK MAJOR
L	LENGTH	TCMI	TROUT CREEK MINOR
LT	LEFT	TCP	TRAFFIC CONTROL PLANS
LVC	LENGTH OF VERTICAL CURVE	TYP	TYPICAL
MH	MANHOLE	VPI	VERTICAL POINT OF INTERSECTION

THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:

- D-01.02
- D-04.22
- M-13.01

**COMBINED REVIEW
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COLD BAY
TROUT CREEK CULVERTS WFL

LAYOUT & INDEX OF SHEETS

FILE G:\CDB\SFHWHY00326\PlanSet\A2 INDEX.dwg DATE 7/28/2023 8:53 LAYOUT A2 INDEX DESIGNED BW CHECKED MU DRAFTED MU

FILE G:\CDB\SFH\0326\PlanSet\A3 LEGEND.dwg DATE 3/17/2023 8:59 LAYOUT A3 LEGEND DESIGNED BW CHECKED ----- DRAFTED IMU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFH\WY00326	2023	A3	21

ABBREVIATIONS	
AADT	AVERAGE ANNUAL DAILY TRAFFIC
ADA	AMERICAN DISABILITIES ACT
AK	ALASKA
APE	AREA OF POTENTIAL EFFECT
APPRO X	APPROXIMATELY
ASDS	ALASKA SIGN DESIGN SPECIFICATION
AVE	AVENUE
BFM	BONDED FIBER MATRIX
BOP	BEGINNING OF PROJECT
CL	CENTER LINE
CSA	CONTRACTOR STAGING AREA
CY	CUBIC YARD
DHV	DESIGN HOURLY VOLUME
DIA	DIAMETER
DOT&P F	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DR	DRIVE
E	EAST
ELEC	ELECTRIC
ELEV	ELEVATION
EOP	END OF PROJECT
ESAL	EQUIVALENT SINGLE AXLE LOAD
ESMT	EASEMENT
HWY	HIGHWAY
IN	INCH
L	LENGTH
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MH	MANHOLE
MIN	MINIMUM
MPH	MILES PER HOUR
MT	MOUNT
N	NORTH
N/A	NOT APPLICABLE
NO	NUMBER
OHE	OVERHEAD ELECTRIC
OHW	ORDINARY HIGH WATER
PE	PROFESSIONAL ENGINEER
PG	PERFORMANCE GRADE
PST	PERFORATED STEEL TUBE
RD	ROAD
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
ST	SAINT
SHLD	SHOULDER
SHT	SHEET
SF	SQUARE FEET
STA	STATION
ST	STREET
SY	SQUARE YARD
TC	TROUT CREEK
TCMA	TROUT CREEK MAJOR
TCMI	TROUT CREEK MINOR
TCP	TRAFFIC CONTROL PLANS
TYP	TYPICAL
VPI	VERTICAL POINT OF INTERSECTION

TOPOGRAPHY

CONSTRUCTION CENTERLINE	
MICELLANEOUS CENTERLINE	
STATION EQUATION	$\frac{L}{O} = \frac{48+97.23 \text{ POT BK} =}{48+97.23 \text{ PC AHD}}$
EXISTING ROAD EASEMENT LINE	
EXISTING RIGHT-OF-WAY LINE	
ORDINARY HIGH WATER	
SEEDED SURFACE	
DITCH LINING	
VEGETATIVE MAT	
PROPOSED CUT SLOPE LIMIT	
PROPOSED FILL SLOPE LIMIT	
FISH PASSAGE	
<u>MONUMENTS</u>	<u>RECOVERED</u>
CONTROL POINT	

ELECTRICAL

	EXISTING	PROPOSED
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
<u>PIPES: WATER/SEWER</u>	<u>EXISTING</u>	<u>PROPOSED</u>
EXISTING STORM DRAIN FLOW DIRECTION		
<u>ROADWAY</u>	<u>EXISTING</u>	<u>PROPOSED</u>
ROADWAY/PAVEMENT EDGE		
CULVERT PIPE		
SIGN		
CONSTRUCTION STAGING AREA		
CONSTRUCTION LIMIT		

SYMBOLS

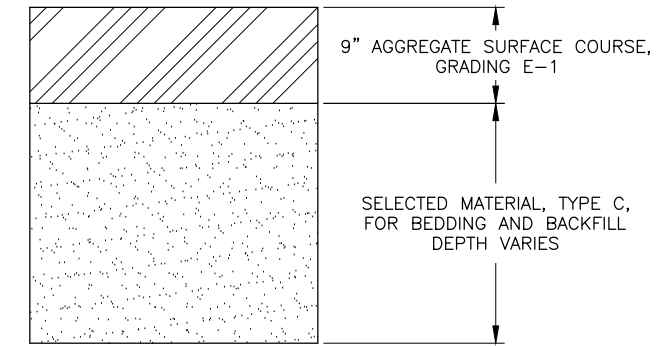
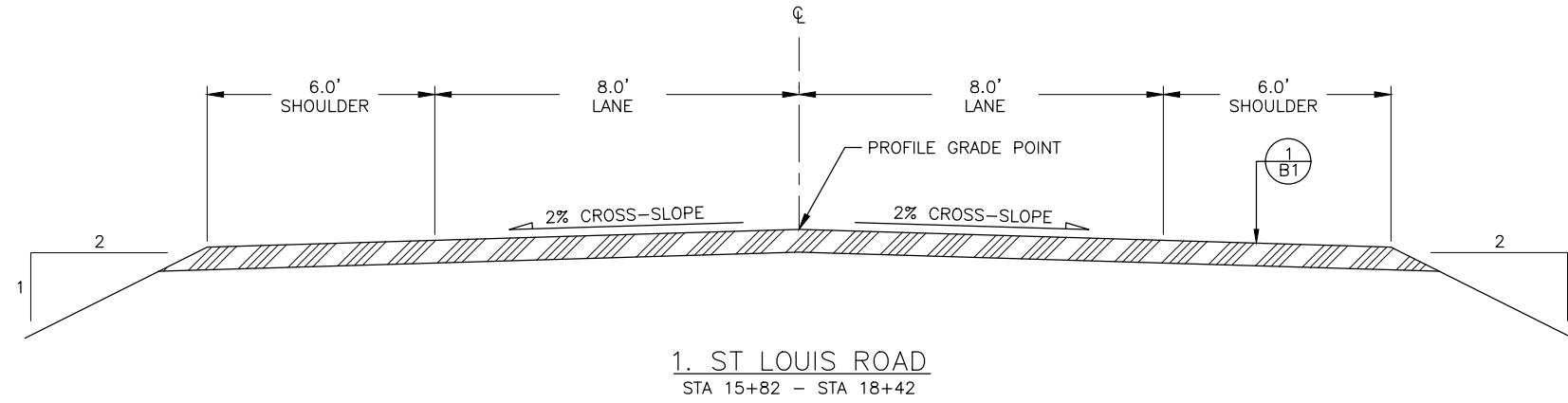
STREAM RIP RAP	
STREAM EMBEDMENT	
EMBANKMENT RIP RAP	
SURFACE COURSE - SECTION	
SURFACE COURSE - PLAN	
FILL MATERIAL	
EXISTING FILL	
DITCH LINING	

PRE-EV REVIEW -
 NOT FOR CONSTRUCTION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
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COLD BAY
TROUT CREEK CULVERTS WFL

LEGEND / SYMBOLS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	B1	21



1
B1 ROADWAY STRUCTURAL SECTION DETAIL
NOT TO SCALE

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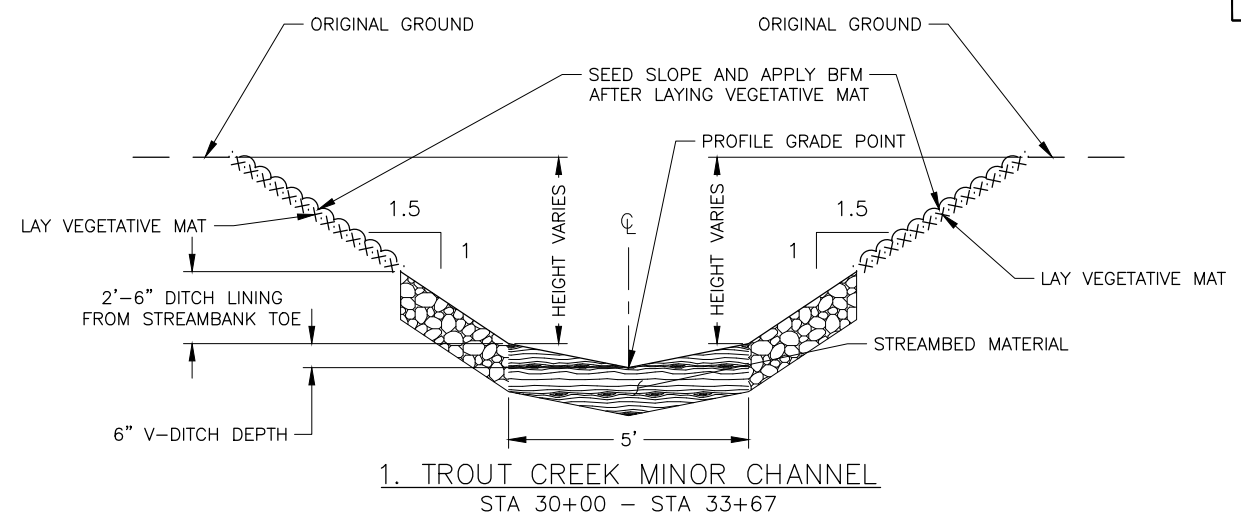
COMBINED REVIEW
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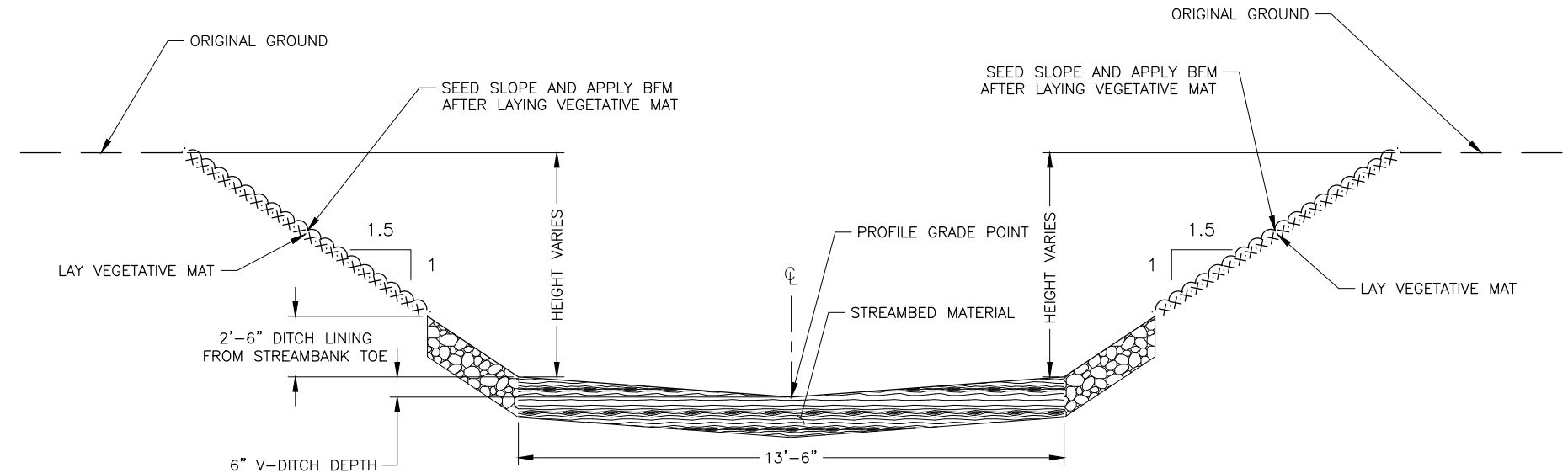
COLD BAY
TROUT CREEK CULVERTS WFL

TYPICAL SECTIONS

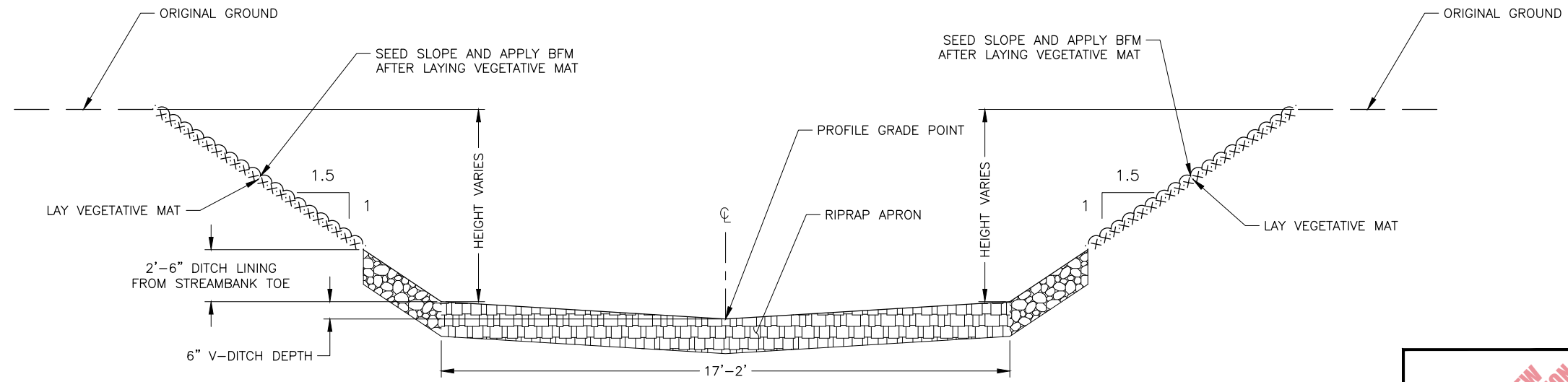
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	B2	21



1. TROUT CREEK MINOR CHANNEL
STA 30+00 - STA 33+67



2. TROUT CREEK MAJOR RECHANNEL
STA 40+00 - STA 42+51



3. TROUT CREEK CONFLUENCE RECHANNEL
STA 42+51 - STA 42+66

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COLD BAY TROUT CREEK
CULVERTS REPLACEMENT WFL

TYPICAL SECTIONS

FILE G:\CDBA\SFHWHY00326\PlanSet\B2 TYPICAL SECTIONS.dwg DATE 6/13/2023 7:27 LAYOUT B2 TYPICAL SECTIONS DESIGNED AH CHECKED AH DRAFTED AH

FILE C:\CDB\SFH\00326\PlanSet\C1 ESTIMATES.dwg DATE 6/20/2023 14:12 LAYOUT C1 ESTIMATES DESIGNED BW CHECKED ## DRAFTED MU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFH\00326	2023	C1	21

BASIS OF ESTIMATE		
ITEM NUMBER	PAY ITEM	ESTIMATING FACTORS
203.0006.000C	BORROW, TYPE C	1.95 TON/CY
301.0003.00E1	AGGREGATE SURFACE COURSE, GRADING E-1	3375 LB/CY
610.0002.0000	DITCH LINING	1.48 TON/CY
611.0002.0001	RIPRAP, CLASS I	3375 LB/CY
611.0002.0002	RIPRAP, CLASS II	3375 LB/CY
619.2013.0000	BONDED FIBER MATRIX (BFM)	4,000 LB/ACRE
671.2003.0000	STREAM SUBSTRATE	1.82 TON/CY

ESTIMATE OF QUANTITIES			
ITEM NUMBER	PAY ITEM	PAY UNIT	QUANTITY
202.0004.0000	REMOVAL OF CULVERT PIPE	LINEAR FOOT	230
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	12,776
203.0006.000C	BORROW, TYPE C	TON	16,038
301.0003.00E1	AGGREGATE SURFACE COURSE, GRADING E-1	TON	341
602.0002.1304	STRUCTURAL PLATE PIPE-ARCH 17'-2" SPAN, 11'-4" RISE, 8 GAGE	LINEAR FOOT	119
610.0002.0000	DITCH LINING	TON	158
611.0002.0001	RIPRAP, CLASS I	TON	52
611.0002.0002	RIPRAP, CLASS II	TON	123
618.0001.0000	SEEDING	ACRE	0.79
619.2013.0000	BONDED FIBER MATRIX (BFM)	POUND	3,160
621.2009.0000	VEGETATIVE MAT SALVAGE AND REPLANTING	LUMP SUM	ALL REQUIRED
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
640.0004.0000	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641.0002.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED
641.0006.0000	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED
641.0007.0000	SWPPP MANAGER	LUMP SUM	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643.0032.0000	FLAGGING	CONTINGENT SUM	ALL REQUIRED
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644.0002.0000	FIELD LABORATORY	LUMP SUM	ALL REQUIRED
644.0006.0000	VEHICLE	LUMP SUM	ALL REQUIRED
671.2003.0000	STREAM SUBSTRATE	TON	492

**COMBINED REVIEW
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6860 GLACIER HIGHWAY, JUNEAU, AK 99811
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COLD BAY
TROUT CREEK CULVERTS WFL

ESTIMATE OF QUANTITIES

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 DATE 6/20/2023 14:05 LAYOUT D1 SUMMARY TABLES DESIGNED BW CHECKED DRAFTED MU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	D1	21

202.0004.0000 REMOVAL OF CULVERT PIPE						
PIPE ID	INLET		OUTLET		LENGTH [LF]	REMARKS
	STATION	OFFSET [LF]	STATION	OFFSET [LF]		
1	16+01	39 LT	17+36	36 RT	154	
2	18+10	30 LT	17+77	38 RT	76	
TOTAL					230	

203.0003.0000 UNCLASSIFIED EXCAVATION			
START [STA]	END [STA]	VOLUME [CY]	REMARKS
16+00	17+36	3,416	P-1 REMOVAL
17+77	18+10	900	P-2 REMOVAL
31+00	33+80	2,966	TROUT CREEK MINOR RECHANNEL
41+00	42+51	1,991	TROUT CREEK MAJOR RECHANNEL
42+51	42+67	240	TROUT CREEK CONFLUENCE
42+67	43+86	3,263	P-3 TRENCH
TOTAL		12,776	

203.0006.000C BORROW, TYPE C			
START [STA]	END [STA]	WEIGHT [TON]	REMARKS
15+82	18+42	16,038	

301.0003.00E1 AGGREGATE SURFACE COURSE, GRADING E-1					
START [STA]	END [STA]	WIDTH [LF]	DEPTH [LF]	WEIGHT [TON]	REMARKS
15+82	18+42	28	0.75	341	

602.0002.0000 STRUCTURAL PLATE PIPE-ARCH					
INLET		OUTLET		LENGTH [LF]	REMARKS
STATION	OFFSET [LF]	STATION	OFFSET [LF]		
17+23	54 LT	17+79	52 RT	119	SPAN: 17'-2", RISE: 11'-4"

610.0002.0000 DITCH LINING				
START [STA]	END [STA]	OFFSET	WEIGHT [TON]	REMARKS
15+76	18+82	LEFT	158	

611.0002.0001 RIPRAP, CLASS I				
START [STA]	END [STA]	OFFSET	WEIGHT [TON]	REMARKS
17+06	17+32	LEFT	21	INLET APRON
17+69	18+05	RIGHT	31	OUTLET APRON

611.0001.0002 RIPRAP, CLASS II				
START [STA]	END [STA]	OFFSET	WEIGHT [TON]	REMARKS
17+00	17+46	LEFT	47	INLET EMBANKMENT
17+50	18+04	RIGHT	76	OUTLET EMBANKMENT

618.0001.0000 SEEDING		
LABEL	AREA [ACRE]	REMARKS
A	0.13	WEST BANK OF TROUT CREEK MAJOR RECHANNEL AND WEST BANK OF TROUT CREEK MINOR RECHANNEL
B	0.04	EAST BANK OF TROUT CREEK MAJOR RECHANNEL AND SOUTH BANK OF TROUT CREEK CONFLUENCE
C	0.08	NORTH BANK OF TROUT CREEK MINOR RECHANNEL AND NORTH BANK OF TROUT CREEK CONFLUENCE
D	0.31	TROUT CREEK MINOR BACKFILL
E	0.19	TROUT CREEK MAJOR BACKFILL
TOTAL	0.75	

619.2013.0000 BONDED FIBER MATRIX (BFM)		
APPLICATION AREA [ACRE]	QUANTITY [LB]	REMARKS
0.75	3,000	

671.2003.0000 STREAM SUBSTRATE						
START		END		THICKNESS [LF]	WEIGHT [TON]	REMARKS
STATION	OFFSET [LF]	STATION	OFFSET [LF]			
17+23	54 LT	17+79	52 RT	2.25	274	CULVERT P-3
15+76	106 LT	18+80	232 LT	1	218	TROUT CREEK MINOR AND TROUT CREEK MAJOR STREAMBED

COMBINED REVIEW
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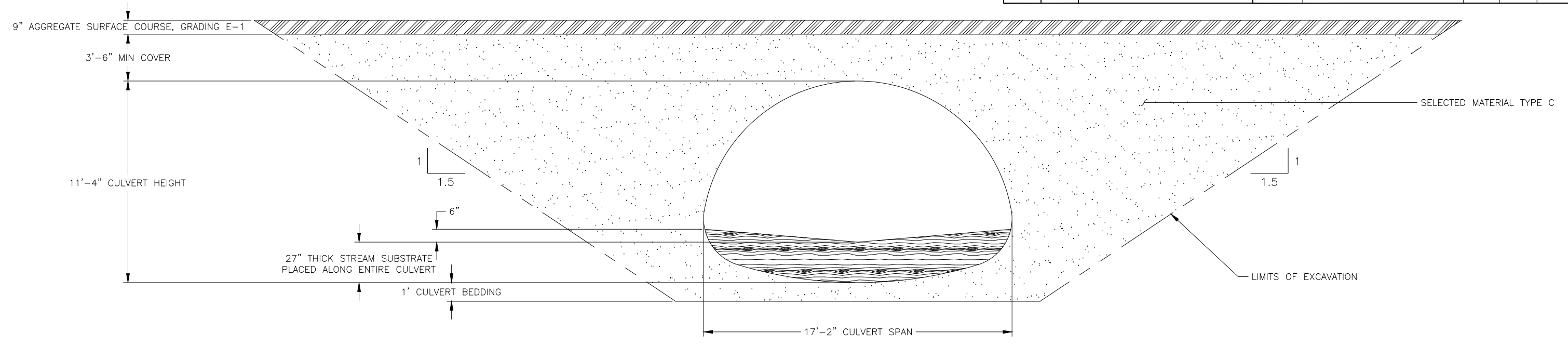
STATE OF ALASKA
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 COLD BAY
 TROUT CREEK CULVERTS WFL

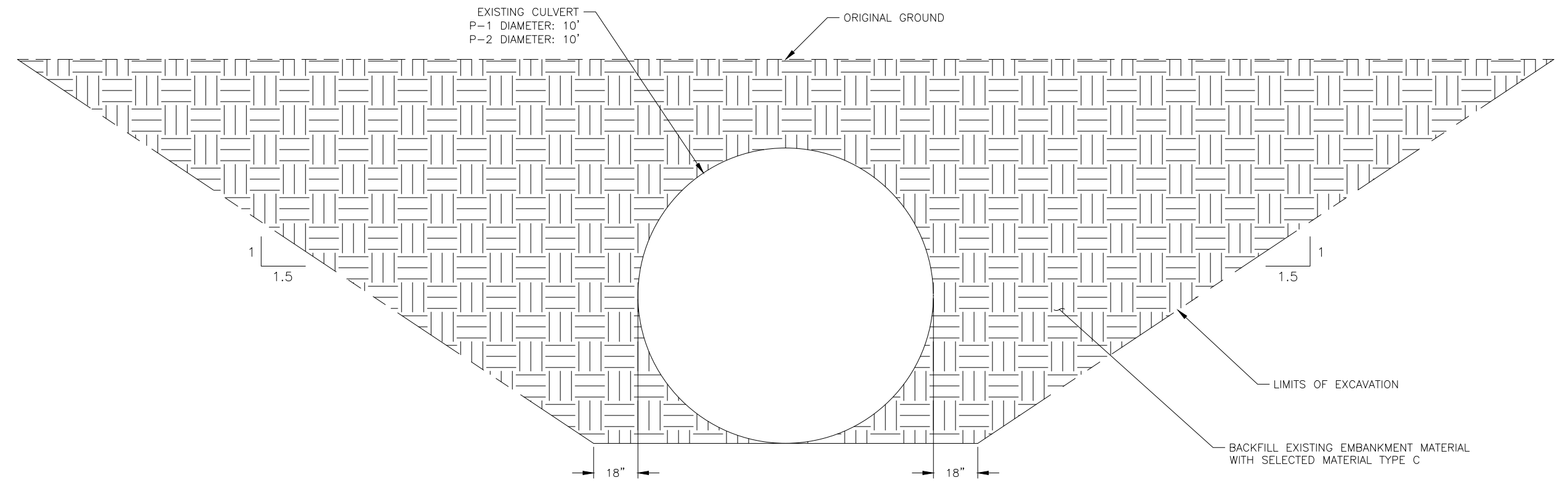
 SUMMARY TABLES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	E1	21

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 DATE 5/16/2023 11:14
 LAYOUT E1 DETAILS
 DESIGNED BW
 CHECKED
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1
E1 CULVERT P-3 CROSS SECTION
NOT TO SCALE



2
E1 CULVERTS P-1 AND P-2 REMOVAL CROSS SECTION
NOT TO SCALE

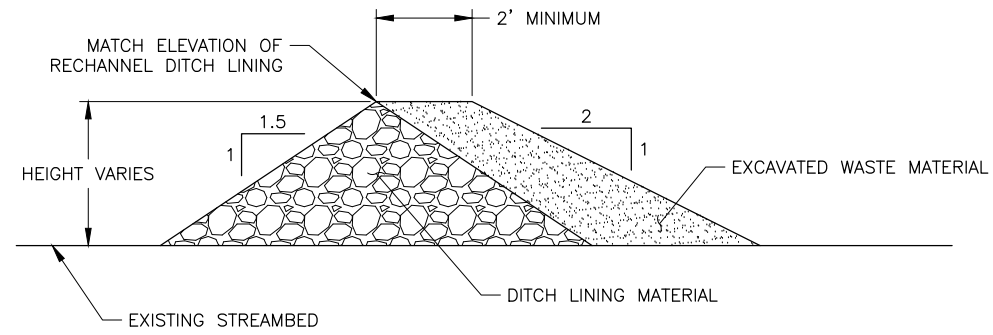
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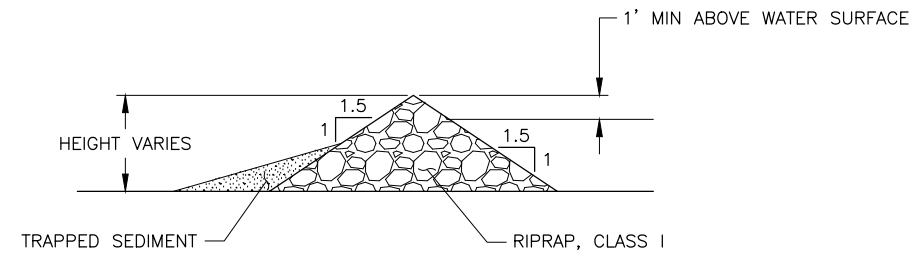
COLD BAY
 TROUT CREEK CULVERTS WFL

CULVERT DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	E2	21



1 **STREAM BED DAM**
E2 NOT TO SCALE



2 **RIPRAP BERM FOR EROSION CONTROL**
E2 NOT TO SCALE

FILE G:\CDB\SFHWHY00326\PlanSet\E1 DETAILS.dwg DATE 5/16/2023 11:14 LAYOUT E2 DETAILS DESIGNED AH CHECKED DRAFTED AH

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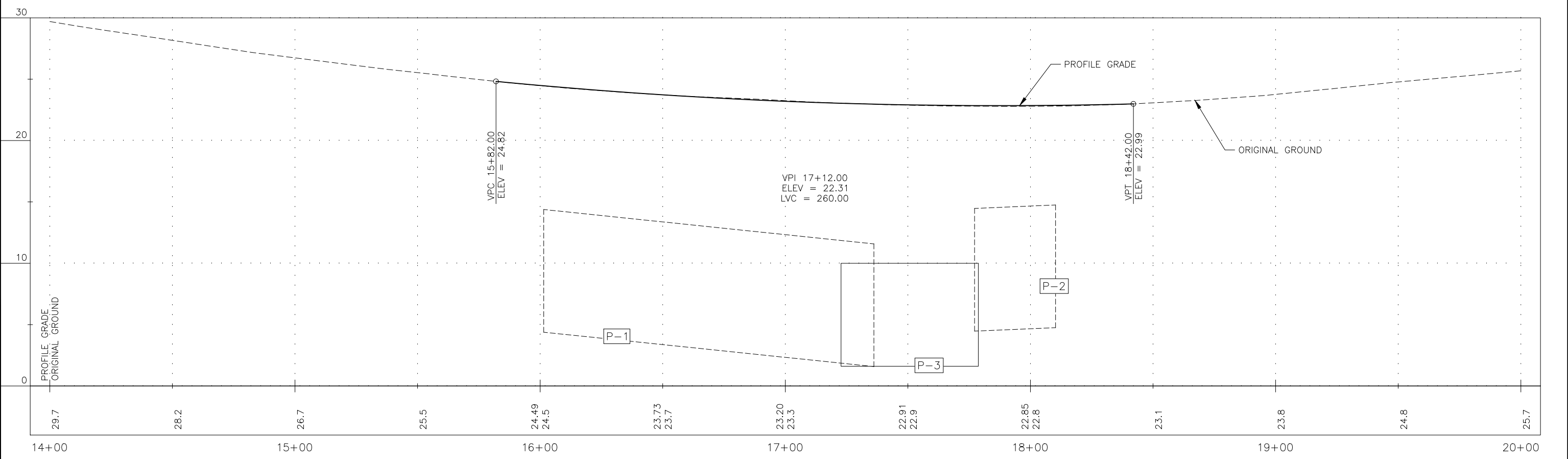
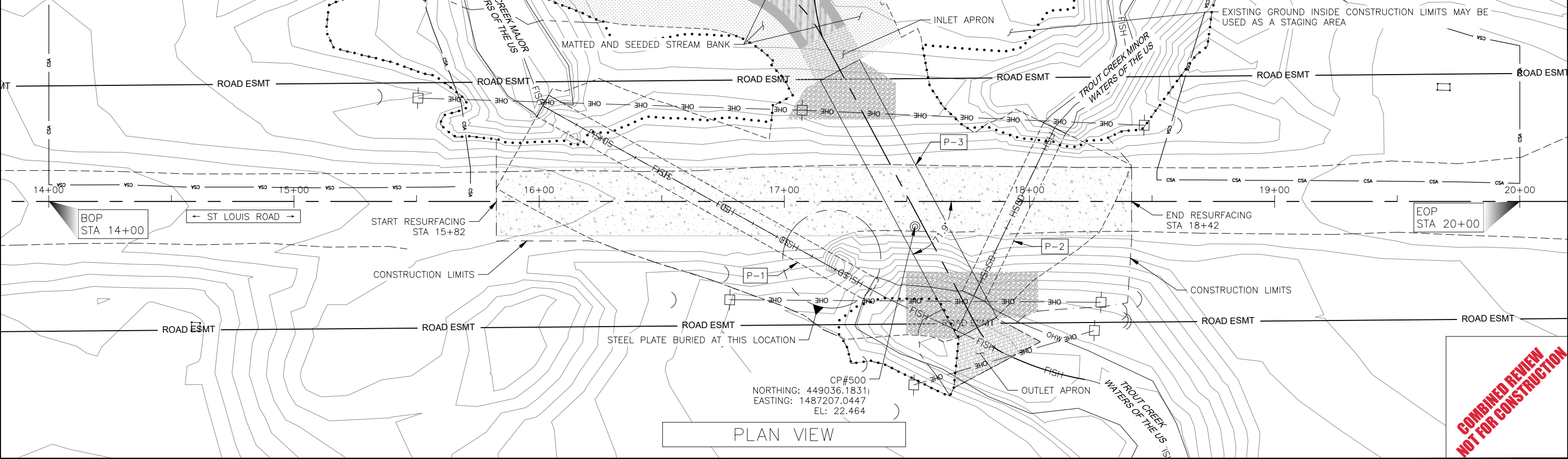
COLD BAY TROUT CREEK
CULVERTS REPLACEMENT WFL

DETAILS

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\CDB\SFH00326\Plans\F1 PLANS.dwg
 DATE 7/28/2023 7:27 LAYOUT F1 PLAN & PROFILE DESIGNED AH CHECKED AH DRAFTED AH
 PHONE (907) 465-1763 CERTIFICATE OF AUTH #:
 ADDRESS 6660 GLACIER HWY, JUNEAU, AK 99811

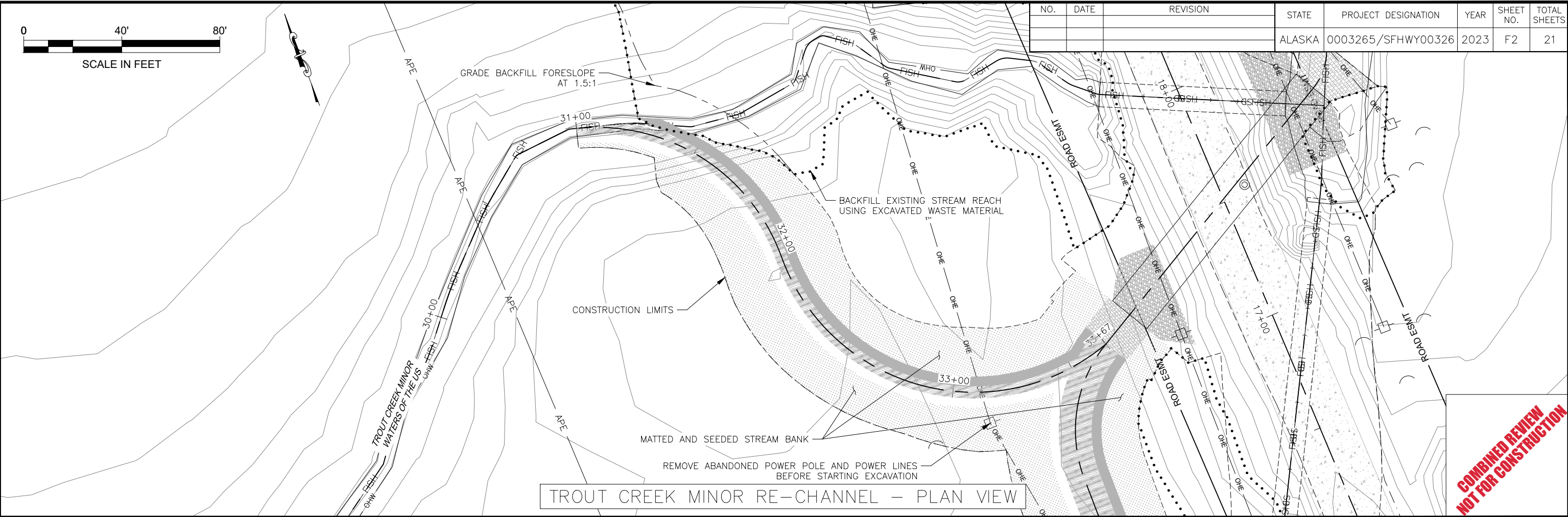
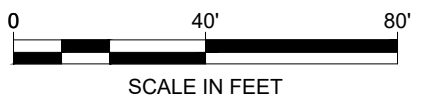


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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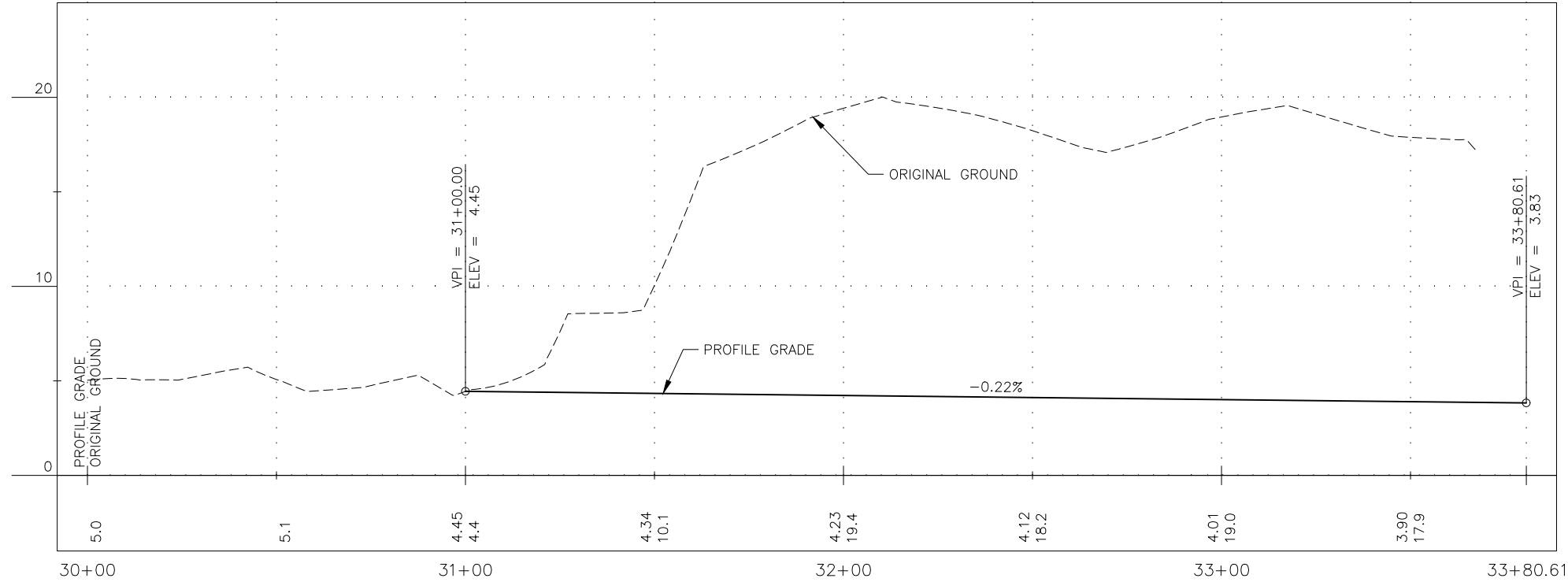
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 FILE Q:\CDB\SFH00326\Plans\VF1 PLANS.dwg
 ADDRESS 6660 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 CERTIFICATE OF AUTH #:
 DESIGNED AH
 CHECKED AH
 DRAFTED AH
 DATE 7/28/2023 7:27 LAYOUT F2 TCM1

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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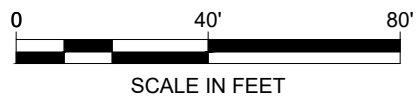
**COMBINED REVIEW
NOT FOR CONSTRUCTION**

TROUT CREEK MINOR RE-CHANNEL - PLAN VIEW

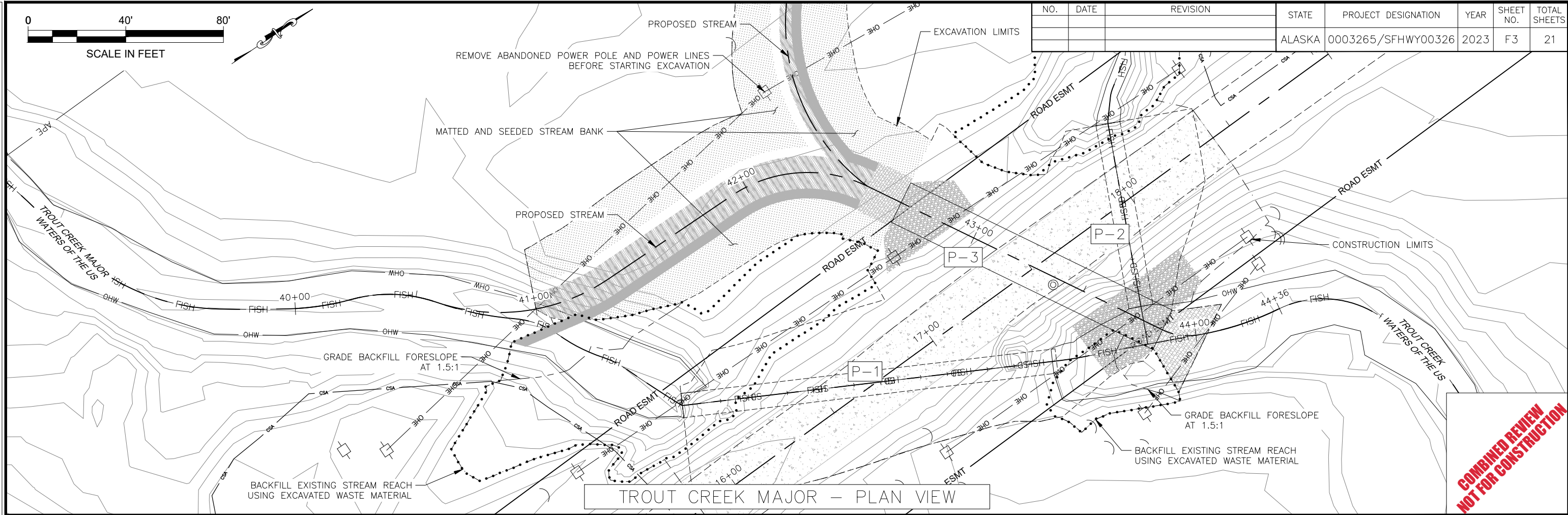


TROUT CREEK MINOR - PROFILE VIEW

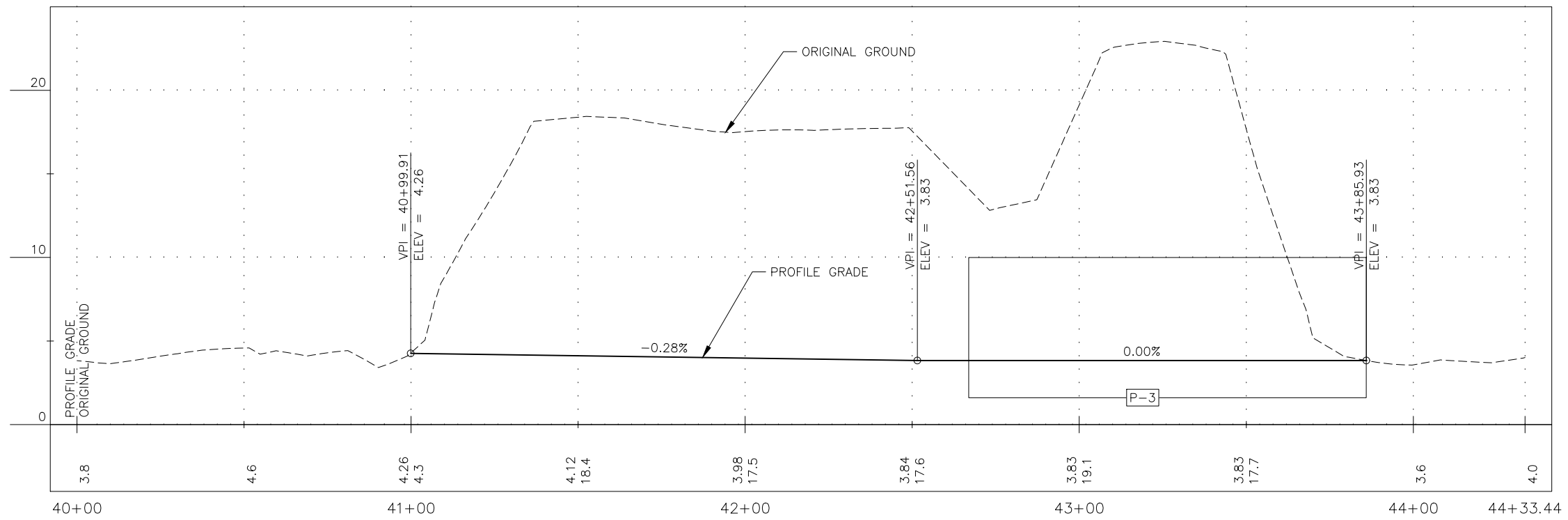
FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\CDB\SFHWY00326\PlanSet\F1 PLANS.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 CERTIFICATE OF AUTH #:
 DESIGNED AH
 CHECKED AH
 DRAFTED AH
 DATE 7/28/2023 7:27 LAYOUT F3 TCMA



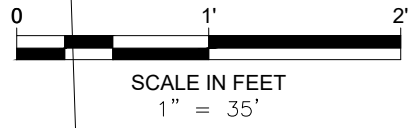
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWY00326	2023	F3	21



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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	F4	21



FILE: Q:\CDBL\SFHWHY00326\Planset\F1 PLANS.dwg
 REVISIONS: 7/28/2023 7:27 LAYOUT: F4 DUMP SCALE:
 DESIGNED: S. POWERS
 DRAWN: S. POWERS
 CHECKED: STATEWIDE COORDINATION TEAM

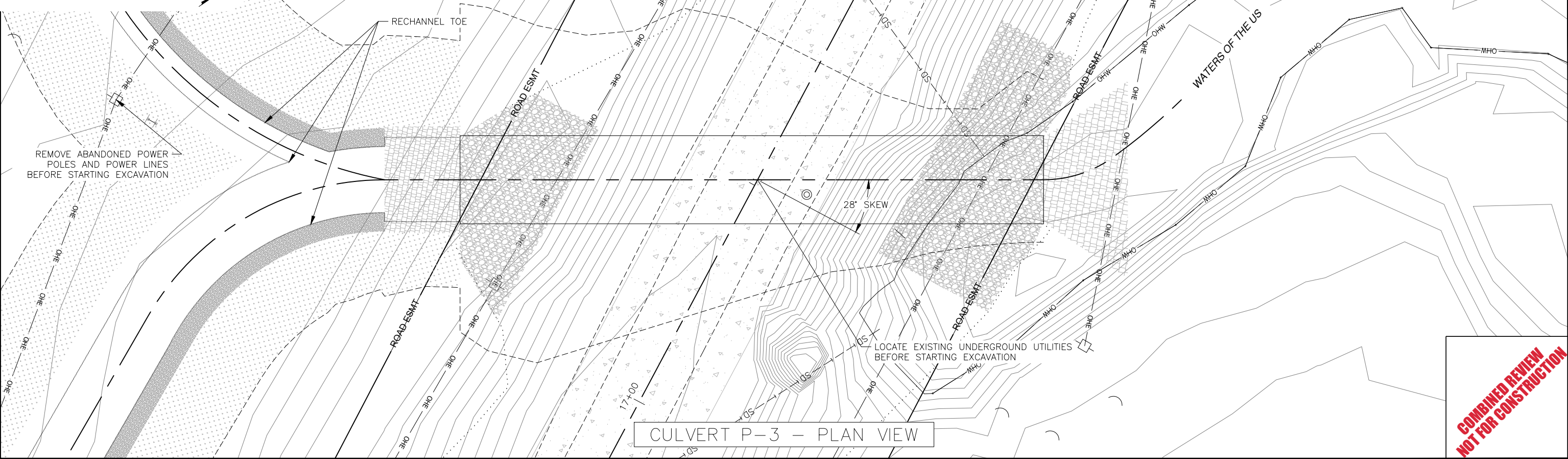
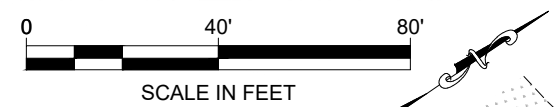
COMBINED REVIEW
 NOT FOR CONSTRUCTION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

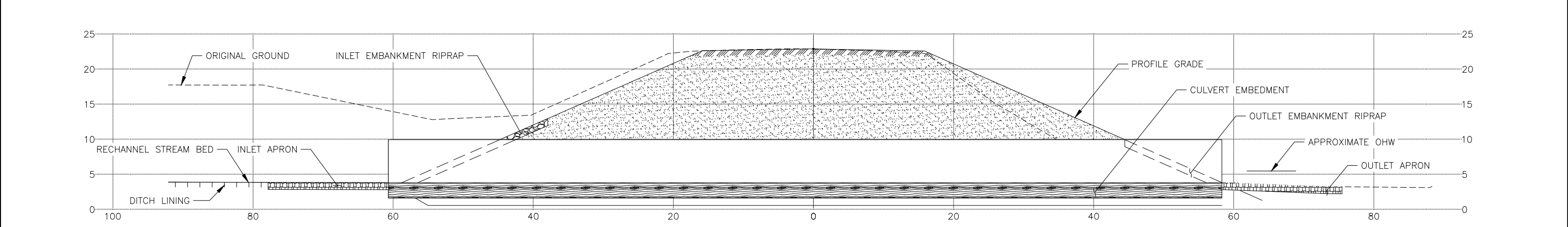
 COLD BAY TROUT CREEK
 CULVERTS REPLACEMENT WFL

 WASTE DISPOSAL SITE

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	J1	21



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NOT FOR CONSTRUCTION**



FILL ABOVE OHW				
STATION [STA]		OFFSET	VOLUME [CY]	NOTES
START	END			
15+52	16+18	LT	138	BACKFILL OF TROUT CREEK MAJOR FROM START OF RECHANNEL TO ROADWAY EMBANKMENT
17+30	17+95	RT	8	ROADWAY EMBANKMENT FILL
17+77	19+07	LT	1717	BACKFILL OF TROUT CREEK MINOR FROM START OF RECHANNEL TO ROADWAY EMBANKMENT

FILL BELOW OHW				
STATION [STA]		OFFSET	VOLUME [CY]	NOTES
START	END			
15+68	16+14	LT	99	BACKFILL OF TROUT CREEK MAJOR FROM START OF RECHANNEL TO ROADWAY EMBANKMENT
17+30	17+95	RT	50	ROADWAY EMBANKMENT FILL AND CULVERT BEDDING
18+09	18+85	LT	98	BACKFILL OF TROUT CREEK MINOR FROM START OF RECHANNEL TO ROADWAY EMBANKMENT

DREDGING BELOW OHW				
STATION [STA]		OFFSET	VOLUME [CY]	NOTES
START	END			
17+30	17+95	RT	50	REQUIRED EXCAVATION AT CULVERT OUTLET

CULVERT INSTALLATION DETAILS - ST LOUIS ROAD - TROUT CREEK										
DESCRIPTION	MATERIAL	INLET LOCATION		OUTLET LOCATION		SPAN [IN] X RISE [IN]	LENGTH [LF]	SKEW [°]	INVERT ELEVATION [LF]	
		STATION	OFFSET	STATION	OFFSET				INLET	OUTLET
P-3	10 GAUGE CORRUGATED STEEL	17+22	54 LT	17+78	51 RT	206 X 136	119	28	1.64	1.64

HYDROLOGIC AND HYDRAULIC SUMMARY TABLE						
ST LOUIS ROAD - TROUT CREEK						
BASIN AREA [SM]	QFISH [CFS]	Q2 [CFS]	Q5 [CFS]	Q50 [CFS]	Q100 [CFS]	
10.8	112	280	427	784	897	
HEADWATER ELEVATION @ Q100 IS 12.43 FT						
ROAD OVERTOPS AT APPROXIMATELY 1722 CFS, Hw/D @ 1 = 830 CFS						
CULVERT PURPOSE: CROSS DRAINAGE/FISH PASSAGE						
NOTE:						

CULVERT P-3 - PROFILE VIEW

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE G:\CDB\SFHWHY00326\PlanSet\J1.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 3/30/2023 13:27 LAYOUT JI CULVERT P-3
 PHONE (907) 465-1763 DESIGNED AH
 CERTIFICATE OF AUTH # DRAFTED AH
 CHECKED ---

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
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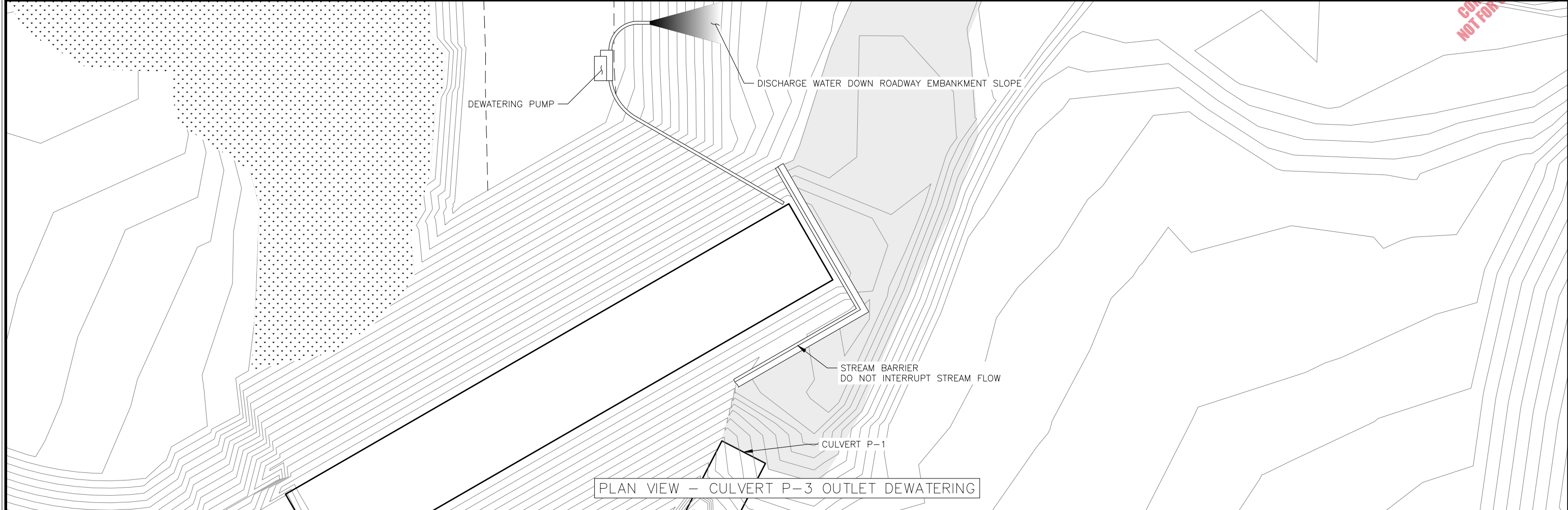
ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 6/26/2023 7:08

PHONE (907) 465-1763
 DESIGNED BW

CERTIFICATE OF AUTH #:
 CHECKED -----

DRAFTED MU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	Q1	21



COMBINED REVIEW
 NOT FOR CONSTRUCTION

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
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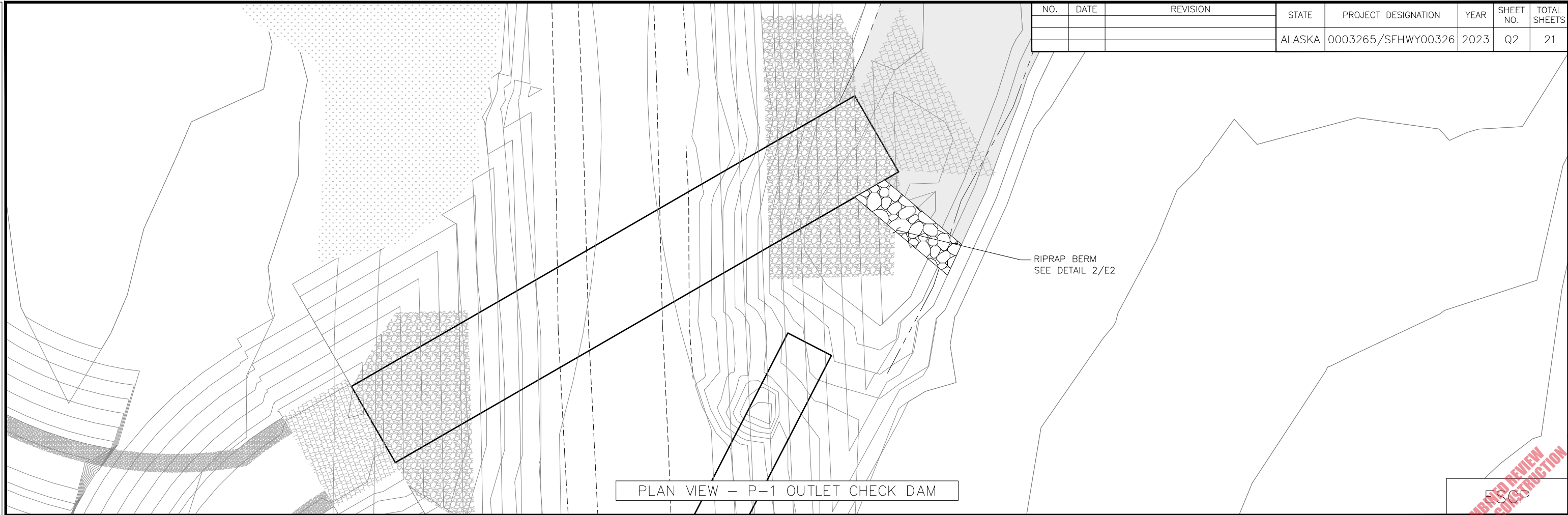
ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 6/26/2023 7:08

PHONE (907) 465-1763
 DESIGNED BW

CERTIFICATE OF AUTH #:
 CHECKED -----

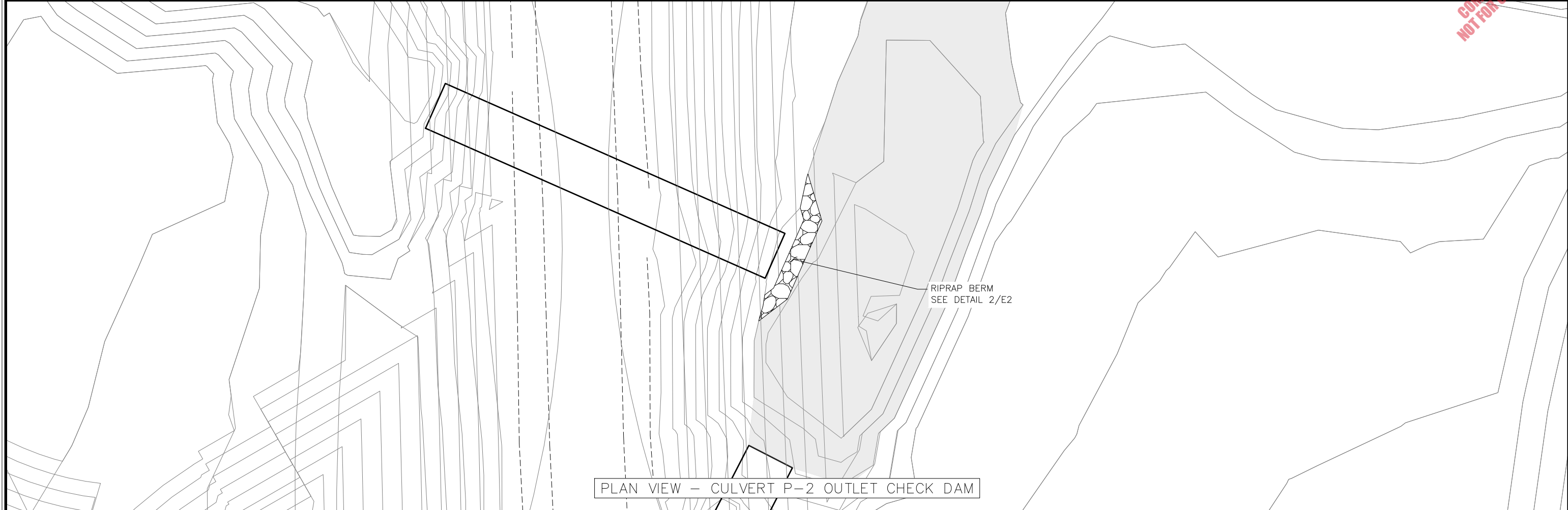
DRAFTED MU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFH00326	2023	Q2	21



PLAN VIEW - P-1 OUTLET CHECK DAM

COMBINED REVIEW
 NOT FOR CONSTRUCTION



PLAN VIEW - CULVERT P-2 OUTLET CHECK DAM

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
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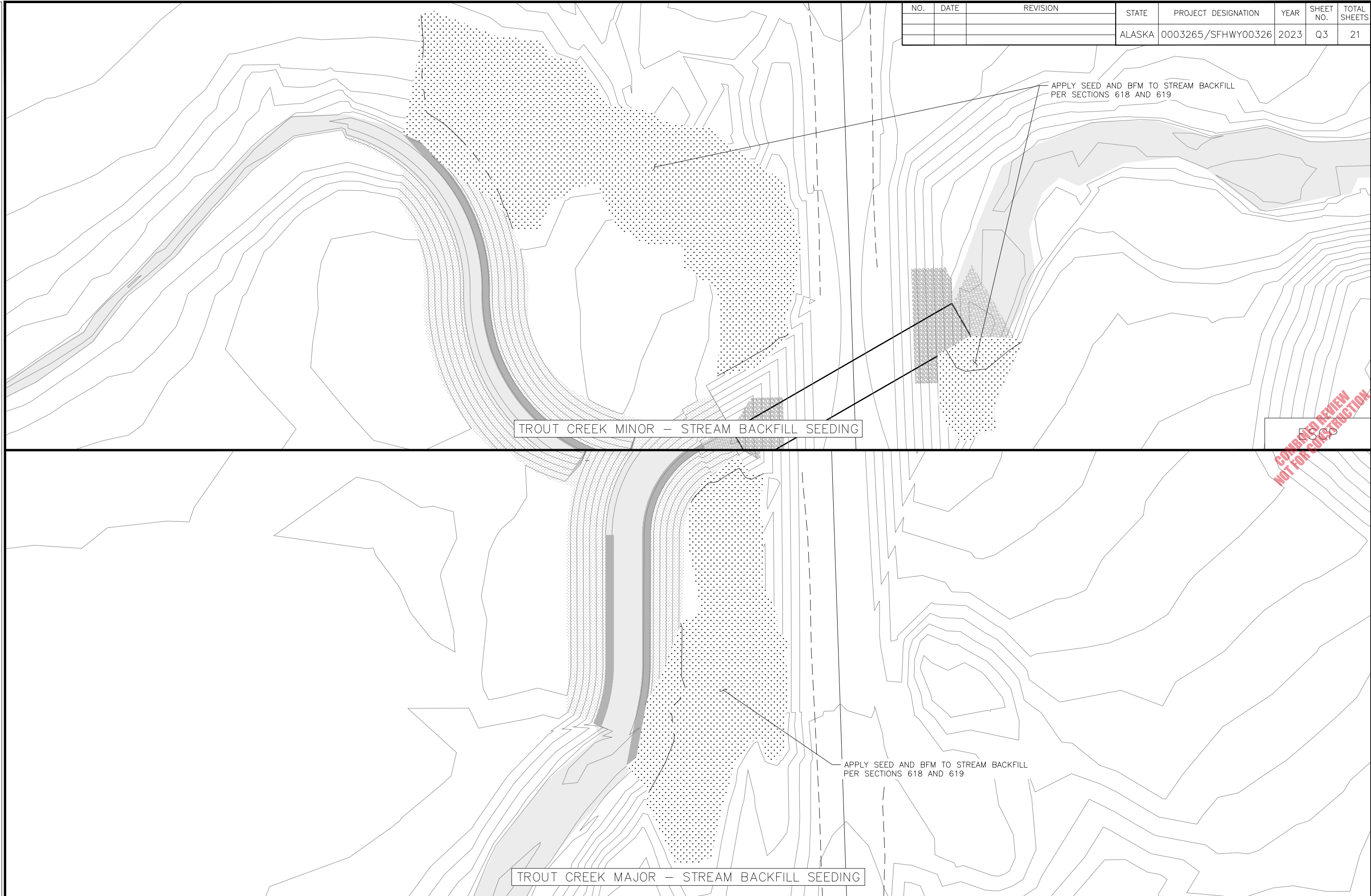
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 DATE 6/26/2023 7:08

PHONE (907) 465-1763
 LAYOUT Q3_ESCP

DESIGNED BW
 CHECKED -----

CERTIFICATE OF AUTH #:
 DRAFTED MU

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFH\00326	2023	Q3	21



TROUT CREEK MINOR – STREAM BACKFILL SEEDING

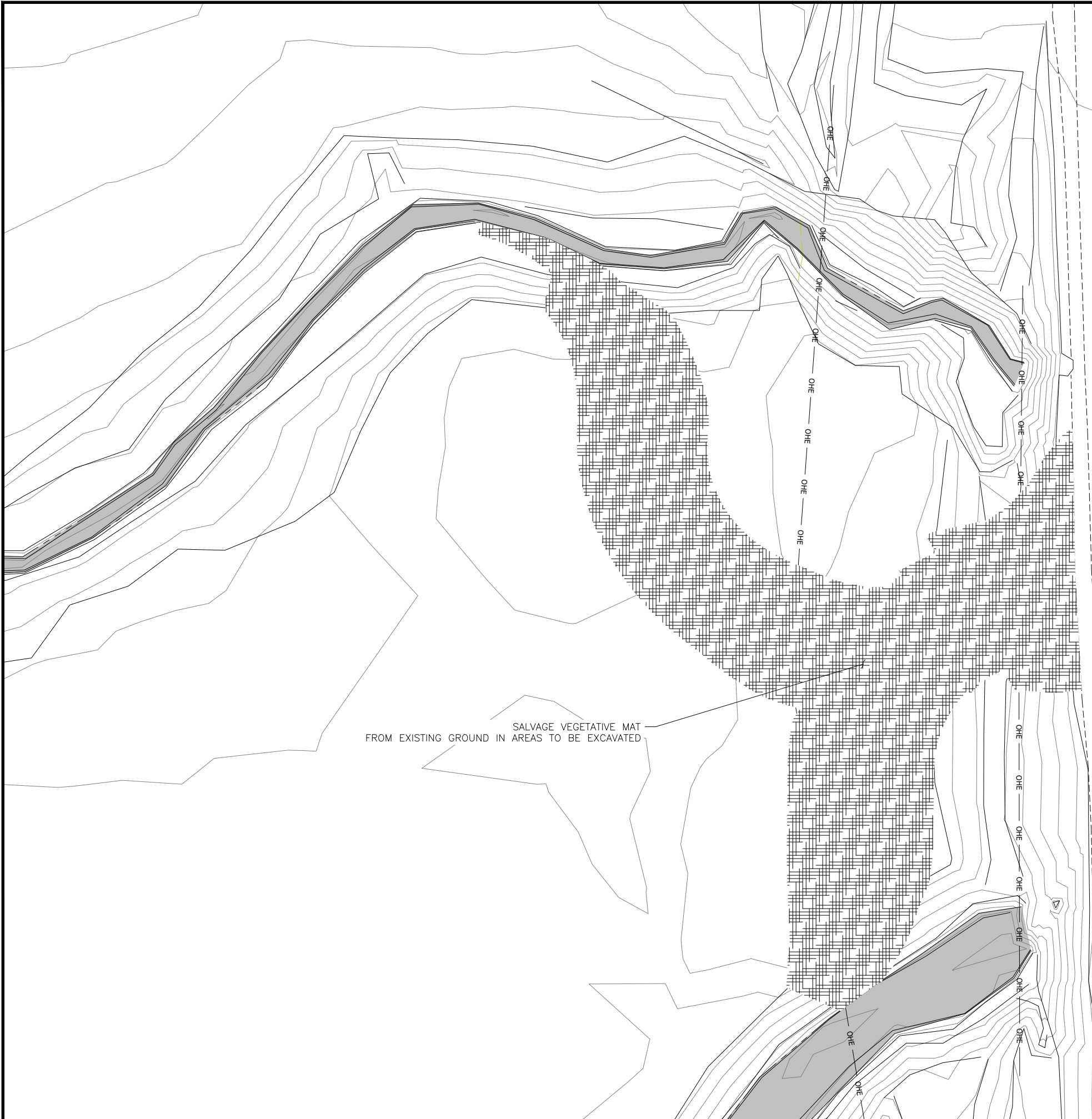
TROUT CREEK MAJOR – STREAM BACKFILL SEEDING

APPLY SEED AND BFM TO STREAM BACKFILL
 PER SECTIONS 618 AND 619

APPLY SEED AND BFM TO STREAM BACKFILL
 PER SECTIONS 618 AND 619

**COMBINED REVIEW
 NOT FOR CONSTRUCTION**

FILE G:\CDB\SFHWY00326\PlanSet\01_ESCP.dwg DATE 6/26/2023 7:08 LAYOUT Q4_ESCP DESIGNED AH CHECKED AH DRAFTED AH



SALVAGE VEGETATIVE MAT
FROM EXISTING GROUND IN AREAS TO BE EXCAVATED

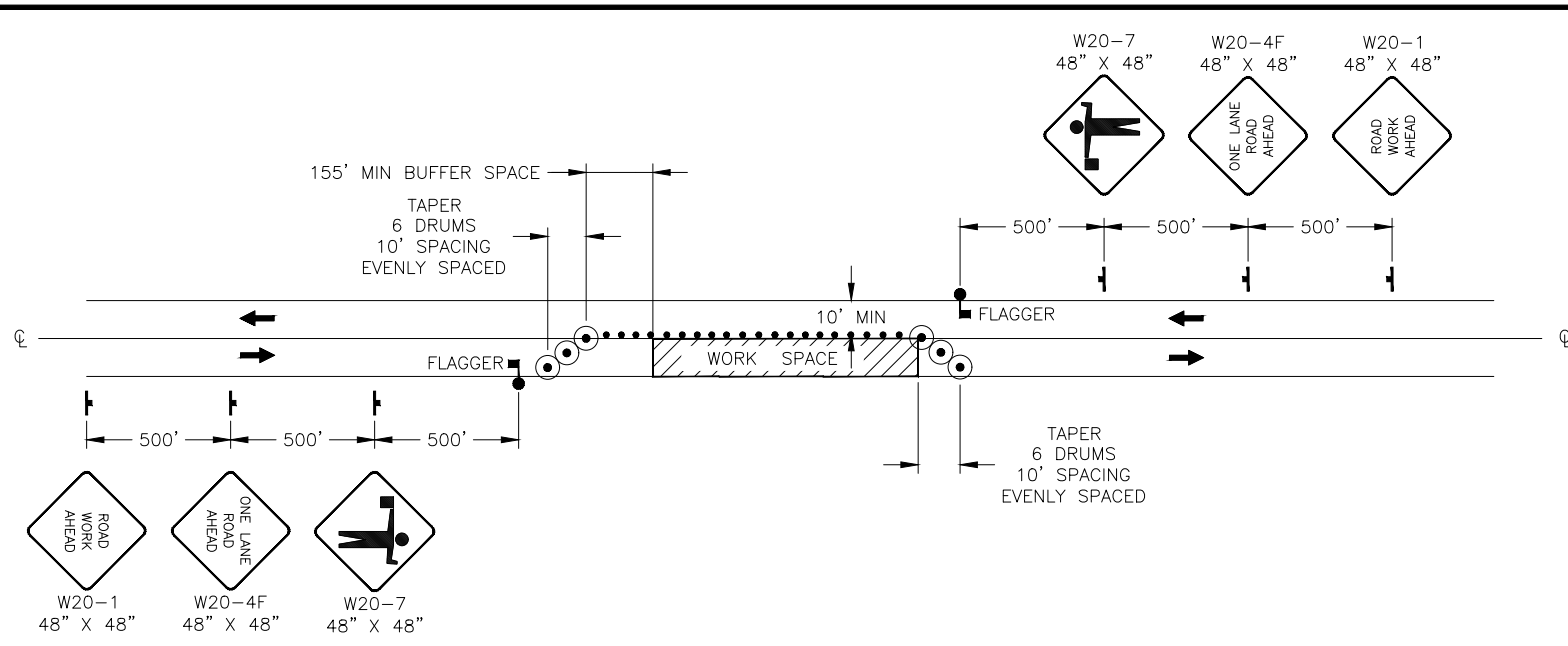
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	Q4	21



COMBINED REVIEW
NOT FOR CONSTRUCTION
ESCP

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	T1	21

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 DATE 6/21/2023 10:35
 LAYOUT T1 TCP
 DESIGNED BW
 CHECKED MU
 DRAFTED MU

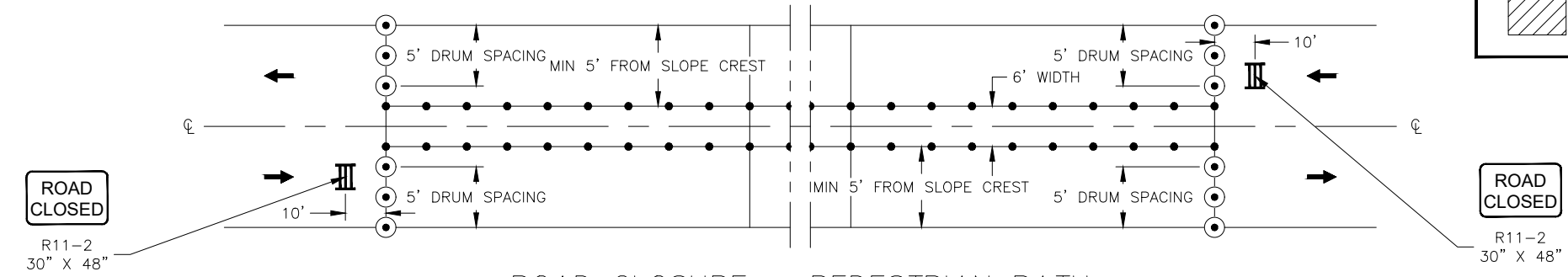


TWO LANE ROADWAY – SINGLE LANE CLOSURE

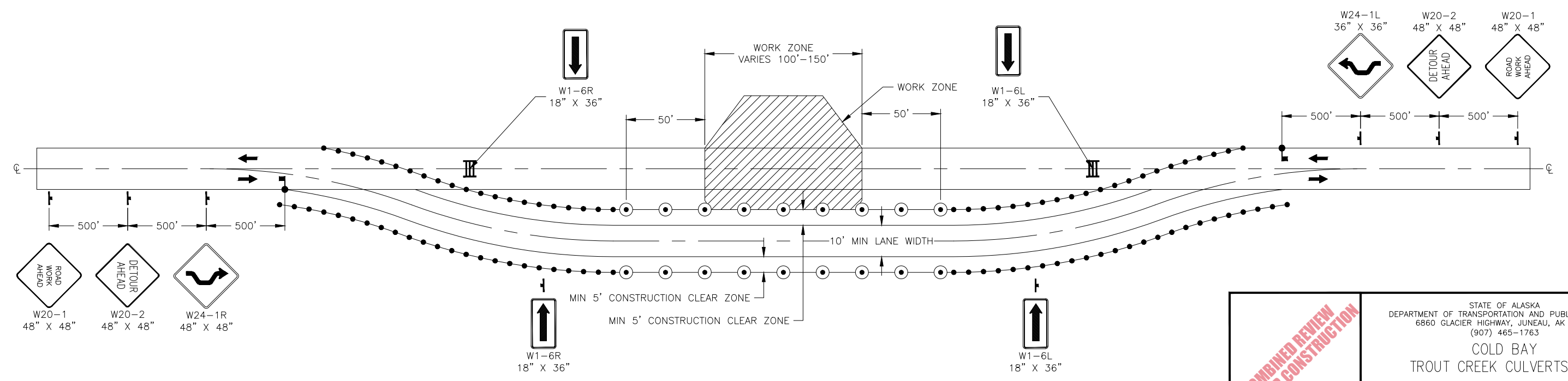
TRAFFIC CONTROL NOTES:

- TEMPORARY DRIVING LANES MUST HAVE A MINIMUM WIDTH OF 10'.

	ARROW BOARD
	BARRIER: CONCRETE
	BARRIER: TYPE II BARRICADE
	BARRIER: TYPE III BARRICADE
	CONE
	CONSTRUCTION SIGN
	DRUMS
	FLAGGER
	TEMPORARY SIGNAL
	TRAFFIC DIRECTION
	WARNING DEVICE: HIGH LEVEL
	WARNING LIGHT
	WORK SPACE



ROAD CLOSURE – PEDESTRIAN PATH

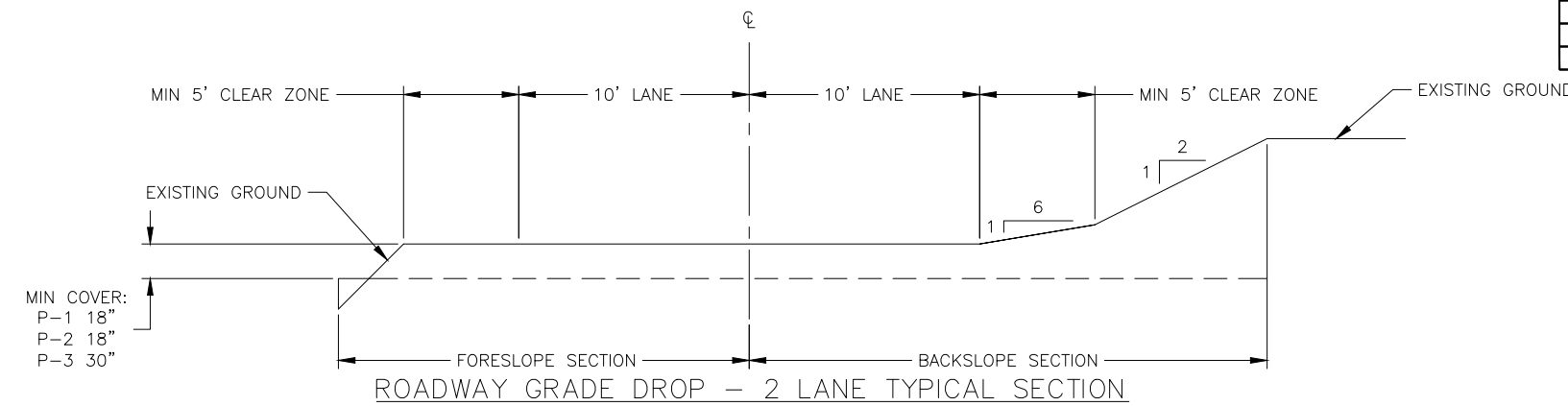


TWO-WAY SINGLE-LANE TEMPORARY DIVERSION

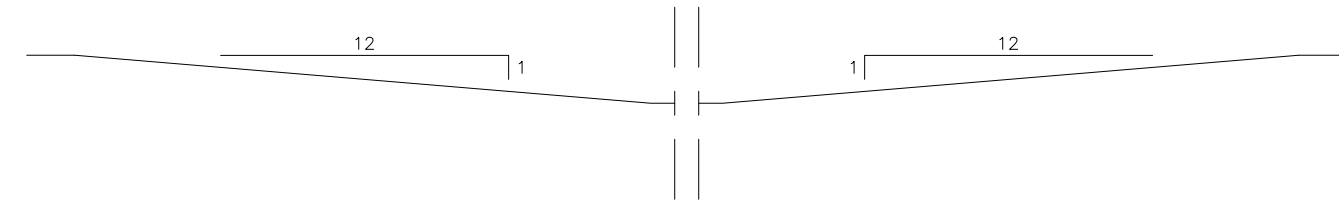
COMBINED REVIEW
 NOT FOR CONSTRUCTION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763
COLD BAY
TROUT CREEK CULVERTS WFL
 TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHWHY00326	2023	T2	21

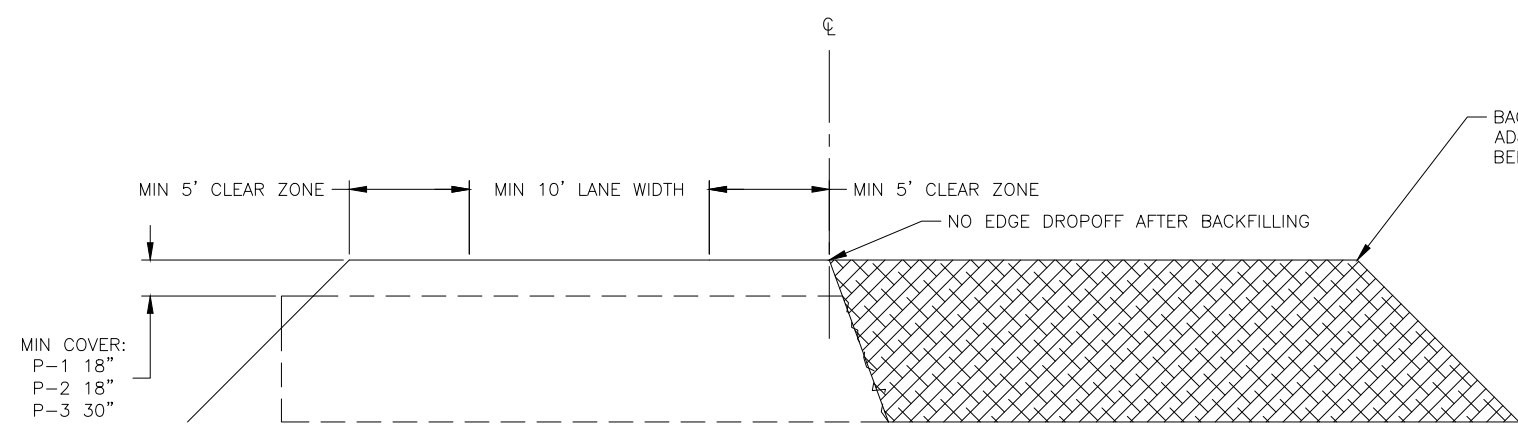


1. BOTH SECTIONS MAY BE APPLIED TO EITHER SIDE OF THE ROAD



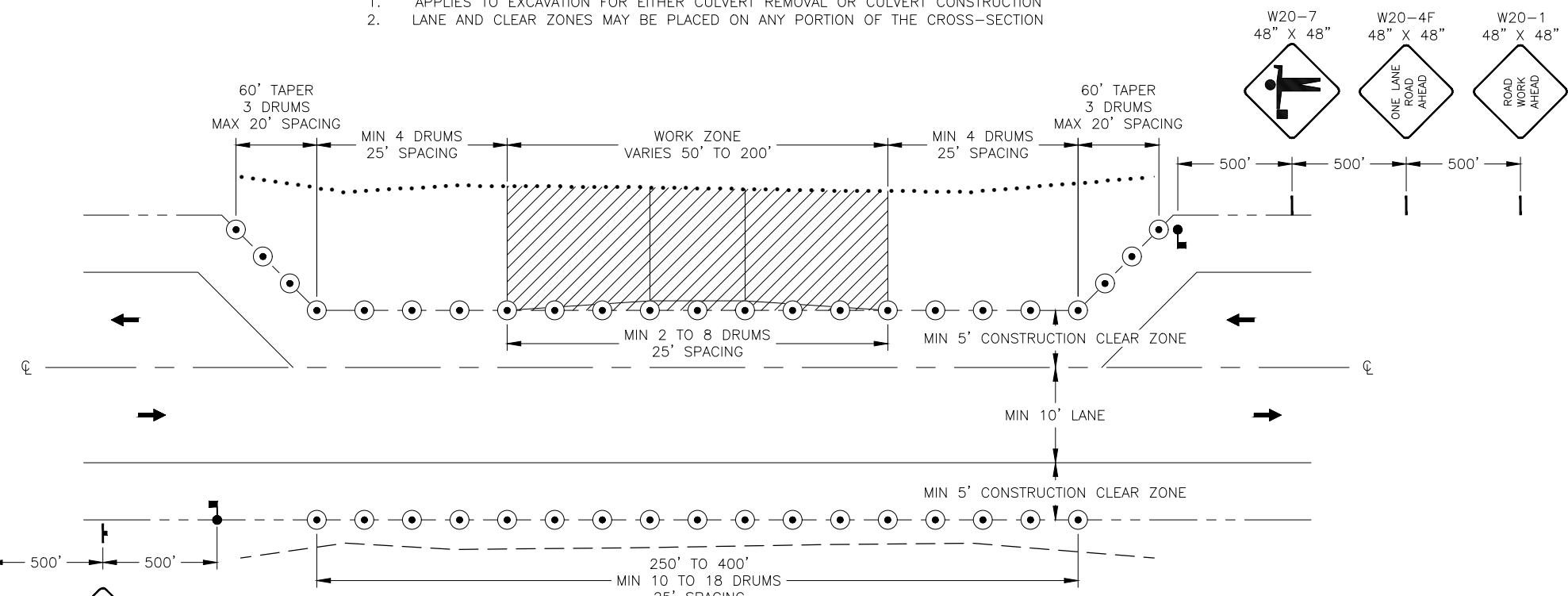
ROADWAY GRADE DROP - PROFILE VIEW

1. MAX 12:1 SLOPE FOR APPROACHES FROM EXISTING ROAD GRADE

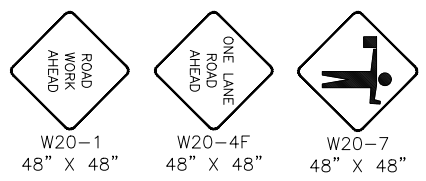


ROADWAY GRADE DROP - PARTIAL EXCAVATION SECTION VIEW

1. APPLIES TO EXCAVATION FOR EITHER CULVERT REMOVAL OR CULVERT CONSTRUCTION
 2. LANE AND CLEAR ZONES MAY BE PLACED ON ANY PORTION OF THE CROSS-SECTION



ROADWAY GRADE DROP - PARTIAL EXCAVATION PLAN VIEW



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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763

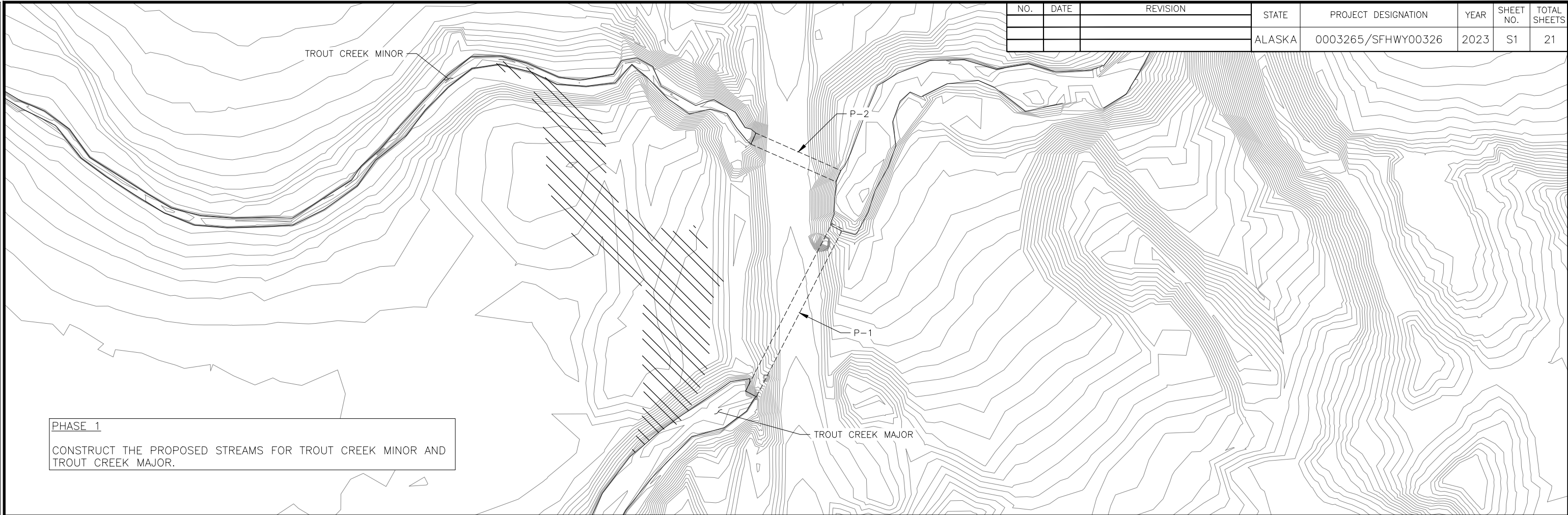
COLD BAY TROUT CREEK
 CULVERTS REPLACEMENT WFL

TCP

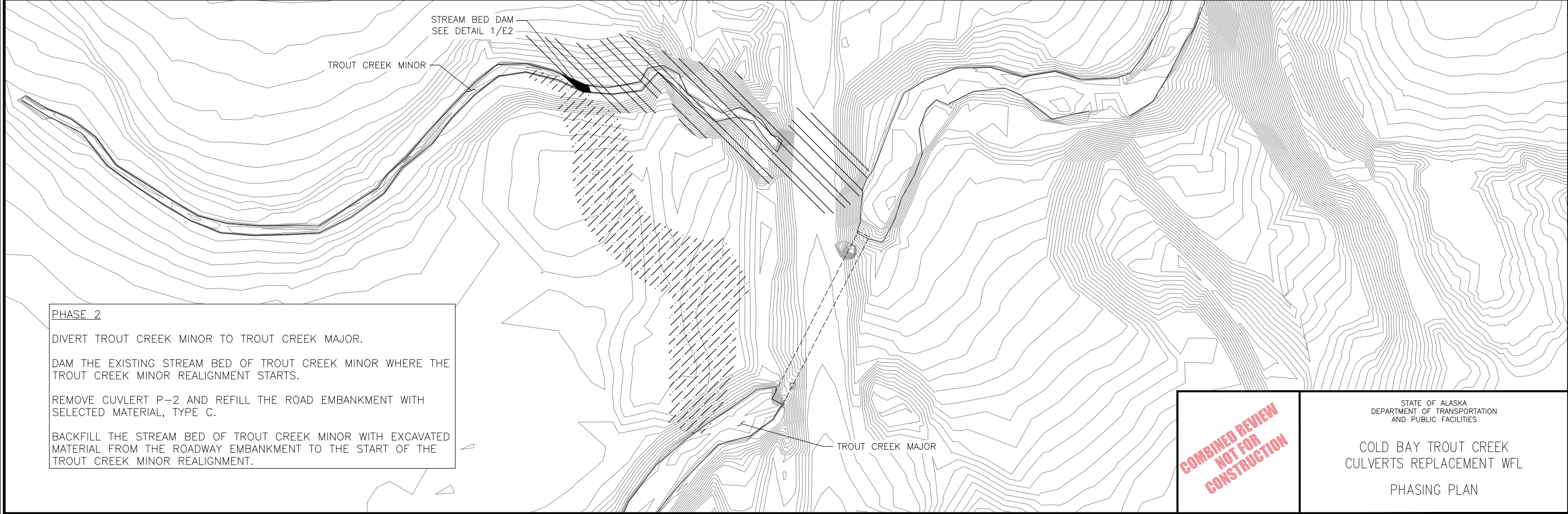
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHwy00326	2023	S1	21

FILE G:\CDB\SFHwy00326\PlanSet\S1 PHASING PLAN.dwg DATE 6/26/2023 7:09 LAYOUT S1 PHASING PLAN DESIGNED AH CHECKED --- DRAFTED AH



PHASE 1
 CONSTRUCT THE PROPOSED STREAMS FOR TROUT CREEK MINOR AND TROUT CREEK MAJOR.



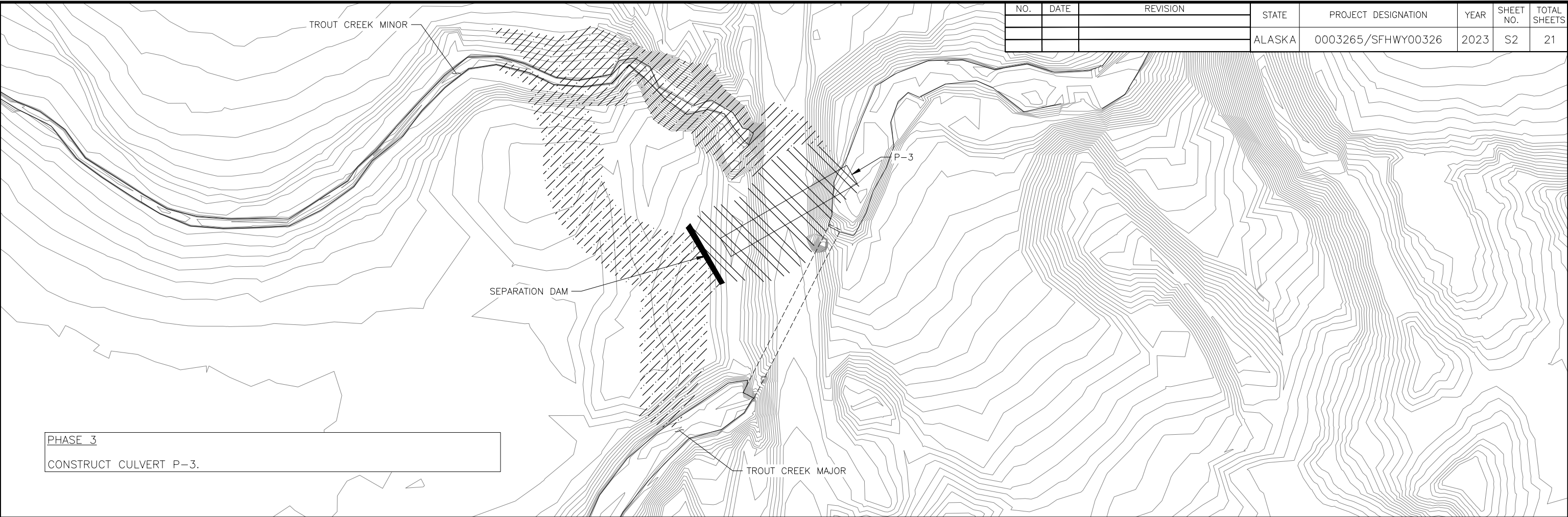
PHASE 2
 DIVERT TROUT CREEK MINOR TO TROUT CREEK MAJOR.
 DAM THE EXISTING STREAM BED OF TROUT CREEK MINOR WHERE THE TROUT CREEK MINOR REALIGNMENT STARTS.
 REMOVE CULVERT P-2 AND REFILL THE ROAD EMBANKMENT WITH SELECTED MATERIAL, TYPE C.
 BACKFILL THE STREAM BED OF TROUT CREEK MINOR WITH EXCAVATED MATERIAL FROM THE ROADWAY EMBANKMENT TO THE START OF THE TROUT CREEK MINOR REALIGNMENT.

**COMBINED REVIEW
 NOT FOR
 CONSTRUCTION**

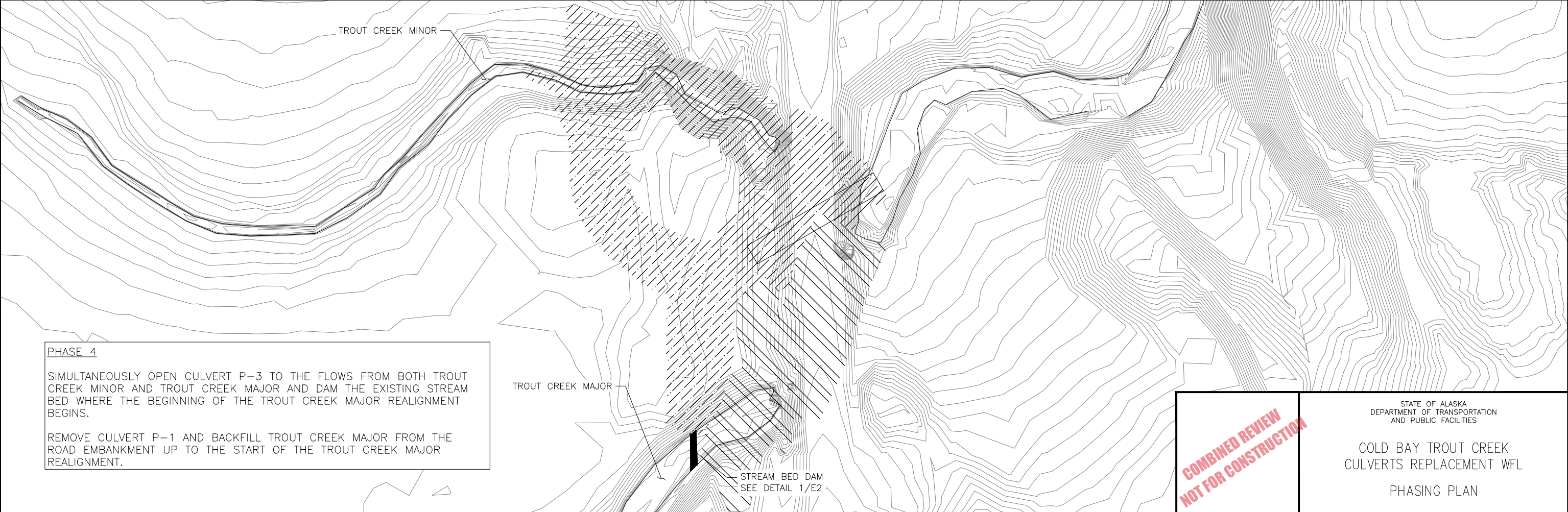
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 COLD BAY TROUT CREEK
 CULVERTS REPLACEMENT WFL
 PHASING PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0003265/SFHUY00326	2023	S2	21

FILE G:\CDB\SFHUY00326\PlanSet\S1 PHASING PLAN.dwg
 DATE 6/26/2023 7:09
 LAYOUT S2 PHASING PLAN
 DESIGNED AH
 CHECKED AH
 DRAFTED AH



PHASE 3
 CONSTRUCT CULVERT P-3.



PHASE 4
 SIMULTANEOUSLY OPEN CULVERT P-3 TO THE FLOWS FROM BOTH TROUT CREEK MINOR AND TROUT CREEK MAJOR AND DAM THE EXISTING STREAM BED WHERE THE BEGINNING OF THE TROUT CREEK MAJOR REALIGNMENT BEGINS.
 REMOVE CULVERT P-1 AND BACKFILL TROUT CREEK MAJOR FROM THE ROAD EMBANKMENT UP TO THE START OF THE TROUT CREEK MAJOR REALIGNMENT.

COMBINED REVIEW
 NOT FOR CONSTRUCTION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

 COLD BAY TROUT CREEK
 CULVERTS REPLACEMENT WFL

 PHASING PLAN

UTILITY RELOCATION DESIGN
IN-PROGRESS