

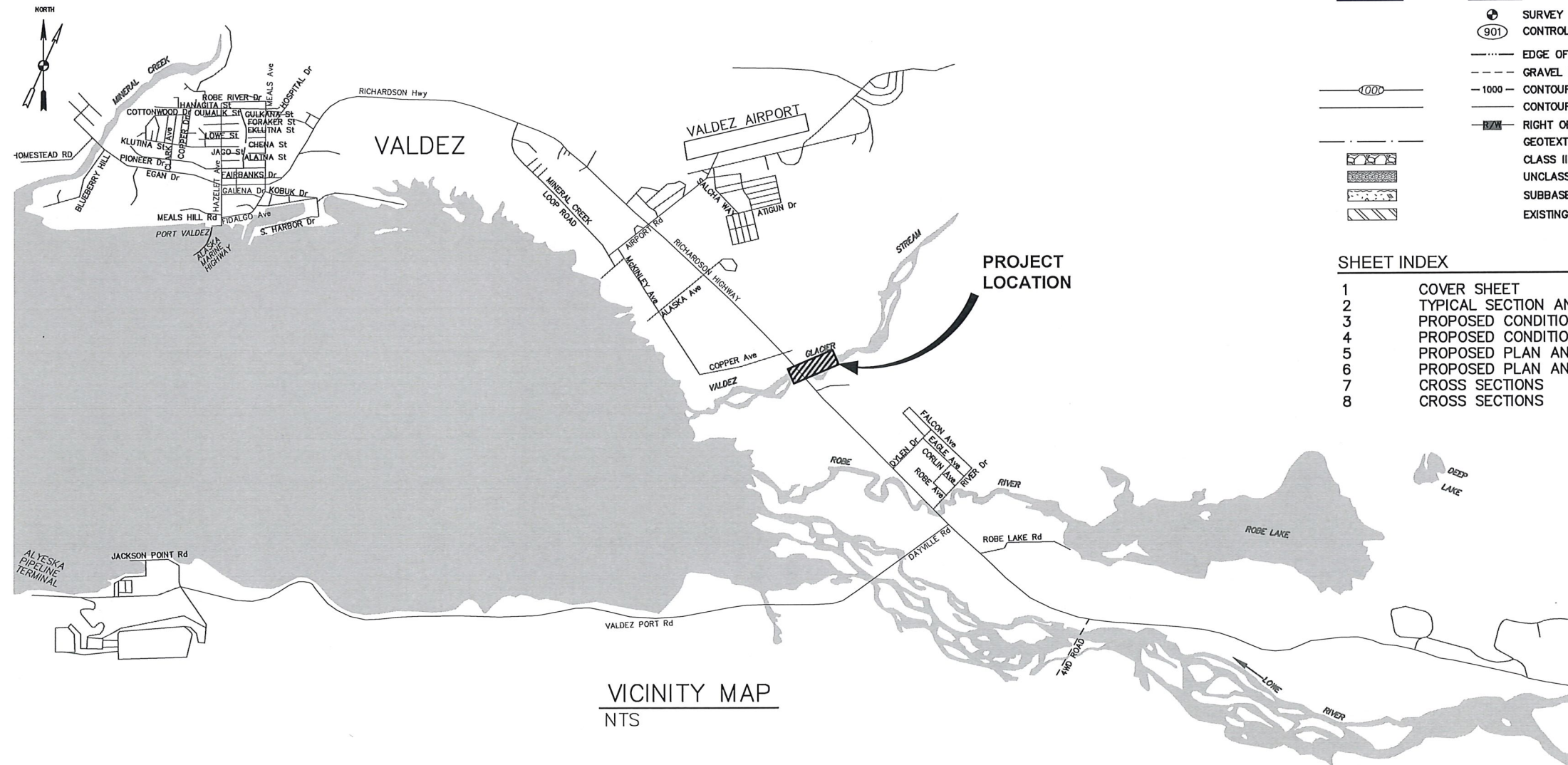
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CITY OF VALDEZ GLACIER STREAM DOT&PF RIGHT OF WAY TO DUMP HAUL ROAD VALDEZ, ALASKA



LOCATION MAP
NTS



VICINITY MAP
NTS

SPECIFICATIONS:

1. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT CITY OF VALDEZ STANDARD SPECIFICATIONS & STANDARD DETAILS.

ABBREVIATIONS

C	- CENTERLINE	ME	- MATCH EXISTING
ELEV	- ELEVATION	MIN	- MINIMUM
ESC	- EROSION & SEDIMENT CONTROL	NTS	- NOT TO SCALE
GB	- GRADE BREAK	O.C.	- ON CENTER
HORIZ	- HORIZONTAL	OHW	- ORDINARY HIGH WATER
MAX	- MAXIMUM	FEMA	- FEDERAL EMERGENCY MANAGEMENT AGENCY

LEGEND

PROPOSED	EXISTING
	⊕ SURVEY MONUMENT
	901 CONTROL POINTS
	— EDGE OF WATER
	--- GRAVEL EDGE
	-1000- CONTOURS MAJOR(5)
	--- CONTOURS MINOR(1)
	— RIGHT OF WAY
	GEOTEXTILE
	CLASS III RIPRAP
	UNCLASSIFIED ALLUVIAL GRAVELS (FILL)
	SUBBASE, GRADING F
	EXISTING ROCK TO BE REUSED

SHEET INDEX

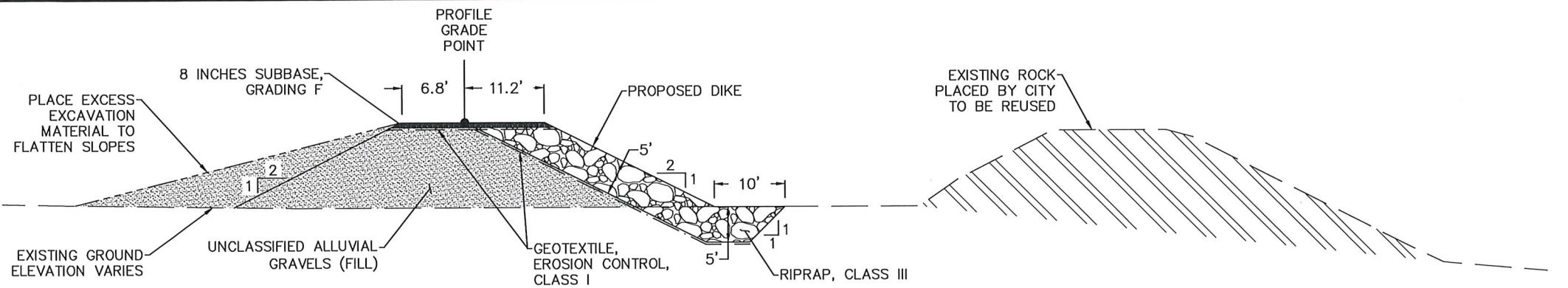
1	COVER SHEET
2	TYPICAL SECTION AND NOTES
3	PROPOSED CONDITIONS - AERIAL
4	PROPOSED CONDITIONS
5	PROPOSED PLAN AND PROFILE
6	PROPOSED PLAN AND PROFILE
7	CROSS SECTIONS
8	CROSS SECTIONS

PREPARED BY:

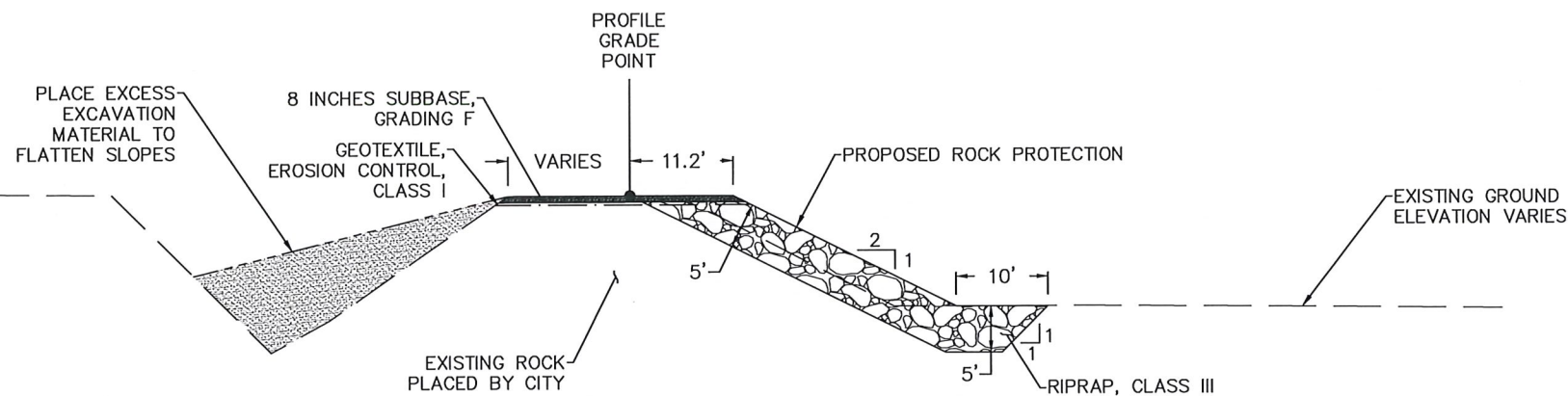


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NEW DIKE - TYPICAL SECTION
STA 107+93 TO 112+60



EXISTING DIKE REHABILITATION - TYPICAL SECTION
STA 112+60 TO END

GENERAL NOTES

SCOPE OF WORK

PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND SUPERVISION AS REQUIRED TO:

1. DIVERT STREAMFLOW AWAY FROM CONSTRUCTION AREA.
2. EXCAVATE AND PLACE RIPRAP FOR DIKE CONSTRUCTION AS SHOWN IN PLANS.
3. PROVIDE AS-BUILT SURVEY OF CONSTRUCTION.

DEWATERING

ISOLATE WORK AREA FROM FLOWING WATER.

RIPRAP

THE RIPRAP SHALL CONSIST OF EVENLY GRADED STONES THAT ARE HARD, ANGULAR, AND HAVE NO MORE THAN 50% WEAR AT 500 REVOLUTIONS AS DETERMINED BY AASHTO T96. THE LEAST DIMENSION OF ANY PIECE OF STONE SHALL BE NOT LESS THAN ONE-FOURTH (1/4) ITS GREATEST DIMENSION. DO NOT USE ROUNDED BOULDERS OR COBBLES.

THE RIPRAP SHALL MEET THE FOLLOWING GRADATION FOR THE CLASS SPECIFIED. PERCENTS ARE BY TOTAL WEIGHT. WEIGHTS ARE FOR EACH STONE:

A. CLASS III RIPRAP

- 0-10% WEIGHING MORE THAN 1,400 POUNDS
- 50% OR MORE WEIGHING 700 POUNDS OR MORE
- 15% OR MORE WEIGHING 200 POUNDS OR LESS
- 0-15% WEIGHING UP TO 25 POUNDS

CONTRACTOR SHALL PROVIDE A LEVEL COMPACT AREA LARGE ENOUGH TO DUMP AND SORT TYPICAL LOADS OF RIPRAP AT APPROVED LOCATIONS. DUMP LOADS SPECIFIED IN THIS AREA AND ASSIST THE ENGINEER AS NEEDED TO SORT AND MEASURE THE STONES TO DETERMINE IF THE RIPRAP MEETS SPECIFICATIONS. PROVIDE THE EQUIPMENT AND PERSONNEL NEEDED TO ASSIST WITH SORTING.

THE ENGINEER MUST APPROVE THE EXCAVATION ELEVATIONS PRIOR TO PLACEMENT OF RIPRAP. LIMIT DROP HEIGHT TO 3 FEET OR LESS. PLACEMENT BY END DUMPING OF ROCK DOWN THE EMBANKMENT OR OTHER METHODS LIKELY TO CAUSE SEGREGATION WILL NOT BE PERMITTED. AREAS COMPOSED PRIMARILY OF EITHER THE LARGER OR SMALLER SIZES OF STONE WILL NOT BE ACCEPTED. WORK LOOSE PIECES OF RIPRAP TO MINIMIZE VOIDS AND OPTIMIZE INTERLOCKING WITHIN RIPRAP LAYER.

EXCESS EXCAVATION MATERIAL SHALL BE PLACED ON THE BACK SIDE OF DIKE TO FLATTEN SLOPES.

EXISTING ROCK PLACED BY THE CITY SHALL BE REUSED AS PART OF THIS PROJECT.

GEOTEXTILE

PLACEMENT OF GEOTEXTILE, EROSION CONTROL, CLASS I, WILL BE AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.

GEOTEXTILE SHALL BE PLACED SO THAT UPSTREAM STRIPS OVERLAP DOWNSTREAM STRIPS. OVERLAP GEOTEXTILE STRIPS A MINIMUM OF 2'.

GEOTEXTILE SHALL BE WRAPPED BACK INTO THE RIPRAP AND NOT BE VISIBLE AFTER COMPLETION.

CONSTRUCTION SURVEY

SURVEY CONTROL PROVIDED BY DOT&PF. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL SITE FEATURES. IF THE CONTRACTOR SHOULD ENCOUNTER CONDITIONS OTHER THAN THOSE SHOWN ON THE PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE.

APPLICABLE STANDARDS AND SPECIFICATIONS

ALL FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, STANDARDS, AND THE FOLLOWING LATEST VERSIONS ARE PART OF THESE PLANS AND SPECIFICATIONS.

- CITY OF VALDEZ STANDARD SPECIFICATIONS
- ASTM, AASHTO STANDARDS AND SPECIFICATIONS
- STATE OF ALASKA 18 AAC 70 WATER QUALITY REGULATIONS

ENVIRONMENTAL PROTECTION

THE CONTRACTOR SHALL PROVIDE ENVIRONMENTAL PROTECTION AND TEMPORARY EROSION AND POLLUTION CONTROL AT ALL EXCAVATION SITES. TEMPORARY STREAM DIVERSION IS REQUIRED TO MINIMIZE INTRUSION OF SEDIMENT INTO THESE WATER BODIES.

PROVISIONS SHALL BE MADE TO MINIMIZE THE INTRUSION OF SEDIMENT INTO THE LOCAL WATER BODIES.

ALL VEGETATION IN THE AREAS NOT AFFECTED BY WORK SHALL BE PRESERVED AND PROTECTED BY THE CONTRACTOR. RESEED ALL DISTURBED AREAS. PROTECT EXISTING TREES IN PLACE.

ESTIMATE OF QUANTITIES

ITEM	PAY UNIT	QUANTITY
MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
ENVIRONMENTAL PROTECTION, SWPPP, PERMITTING	LUMP SUM	ALL REQUIRED
CONSTRUCTION SURVEY	LUMP SUM	ALL REQUIRED
AS-BUILT SURVEY	LUMP SUM	ALL REQUIRED
EXISTING ROCK	CUBIC YARD	400
EXISTING FILL	CUBIC YARD	1,700
RIPRAP, CLASS III	CUBIC YARD	4,000
EXCAVATION	CUBIC YARD	3,000
FILL	CUBIC YARD	2,000
SUBBASE, GRADING F	CUBIC YARD	500
GEOTEXTILE, EROSION CONTROL	SQUARE YARD	2,500

CONSTRUCTION SAFETY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING OSHA EXCAVATION SAFETY STANDARDS, INCLUDING USING A TRENCH BOX AND/OR PROVIDING SHORING AND BRACING.

OTHER

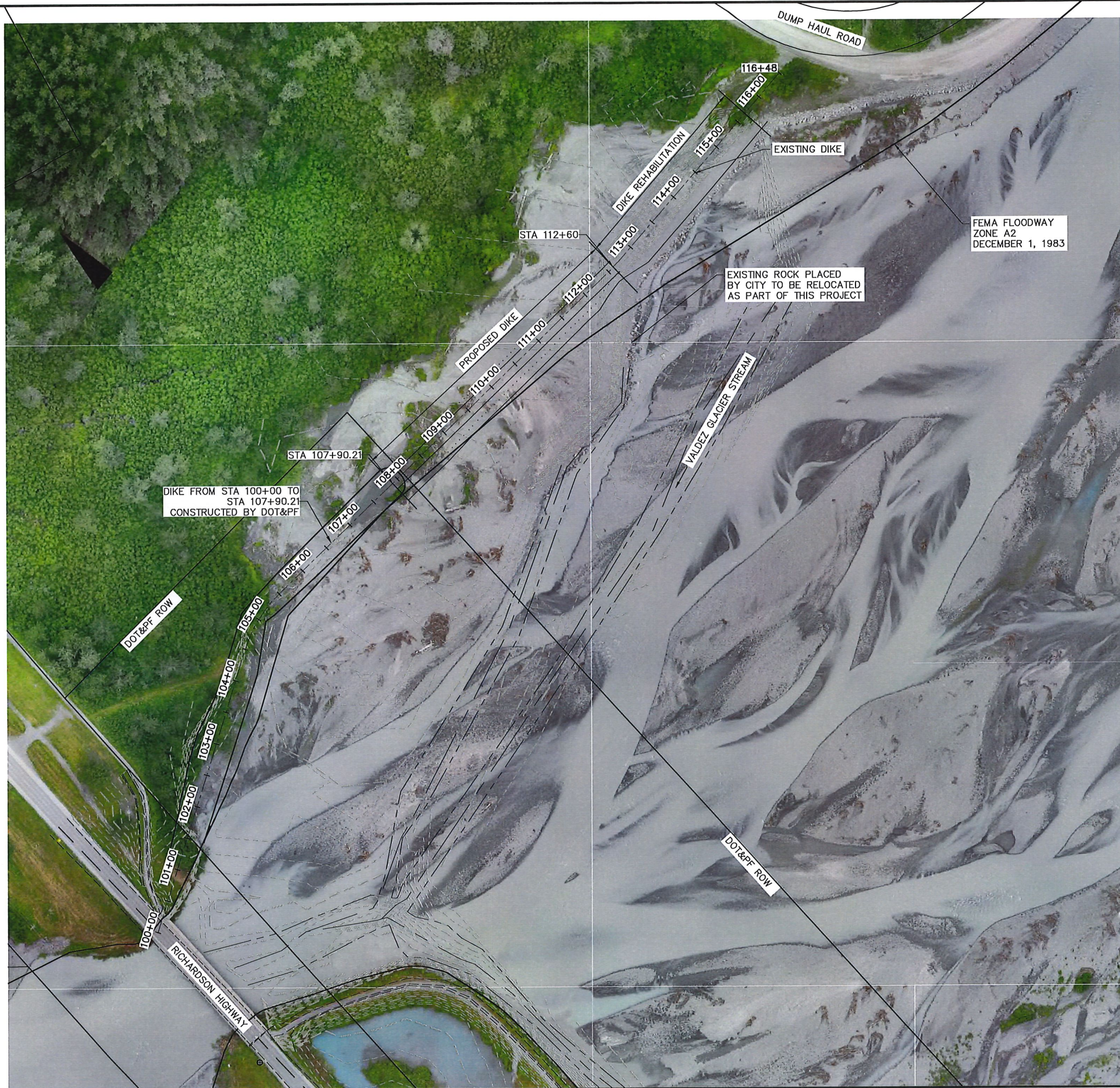
CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR UTILITY LOCATE AND FOR ANY DAMAGE TO EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL EXERCISE CAUTION DURING CONSTRUCTION.

COORDINATE CONSTRUCTION STAGING AND MOBILIZATION AREAS AND ACTIVITIES, INCLUDING DAILY WORK SCHEDULES, WITH OWNER'S REPRESENTATIVE.

EXERCISE EXTREME CAUTION AND OBSERVE ALL APPLICABLE OSHA REQUIREMENTS.



DATA	San. Sewer	Storm Sewer	Water	Gas	Telephone	Electric	Cable TV	Feet. Elev.	Approved
BY									
DESCRIPTION									
REVISIONS									
REV	DATE	Vertical Datum:							
DOWL									
4041 B Street Anchorage, Alaska 99503 907-562-2000									
CITY OF VALDEZ GLACIER STREAM - UPSTREAM TYPICAL SECTION AND NOTES									
CHECKED BY	BMM								
DESIGNED BY	HCR								
DRAWN BY	HCR								
DATE	FEBRUARY 2019								
W.O. NO.	62529								
F.B. NO.									
REF. DWG									
LOCATION	VALDEZ								
SCALE	ALASKA								
HORZ.									
VERT.									
SHEET	2 OF 8								
FILE NO.									



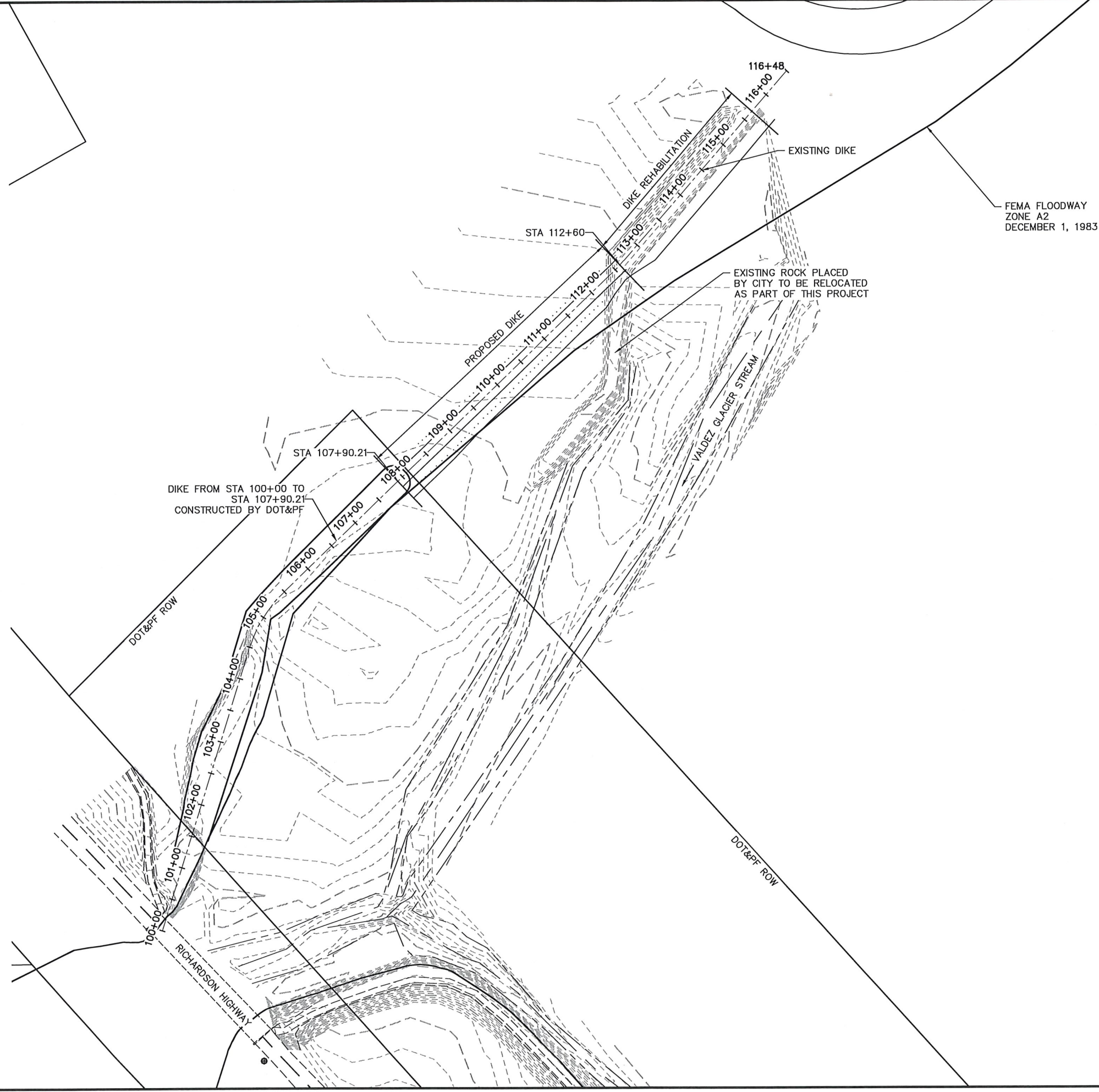
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DESIGNED BY	
DRAWN BY	HCR
DATE	FEBRUARY 2019
W.O. NO.	62529
F.B. NO.	
REF. DWG	
LOCATION	VALDEZ ALASKA
SCALE	
HORIZ.	
VERT.	
SHEET	
3 OF 8	
FILE NO.	

DATA		REV	DATE	DESCRIPTION	BY
Son. Sewer					
Storm Sewer					
Water					
Gas					
Telephone					
Electric					
Cable TV					
Esseamanta					
Footing Elev.					
Approved					
Vertical Datum:					

 **DOWL**
AECL948

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4041 B Street
Anchorage, Alaska 99503
907-562-2000



CITY OF VALDEZ
GLACIER STREAM – UPSTREAM
PROPOSED CONDITIONS

CHECKED BY	BMM
DESIGNED BY	
DRAWN BY	HCR
DATE	FEBRUARY 2019
W.O. NO.	62529
F.B. NO.	
REF. DWG	
LOCATION	VALDEZ
	ALASKA

SCALE	
HORZ.	
VERT.	

SHEET
4 OF 8

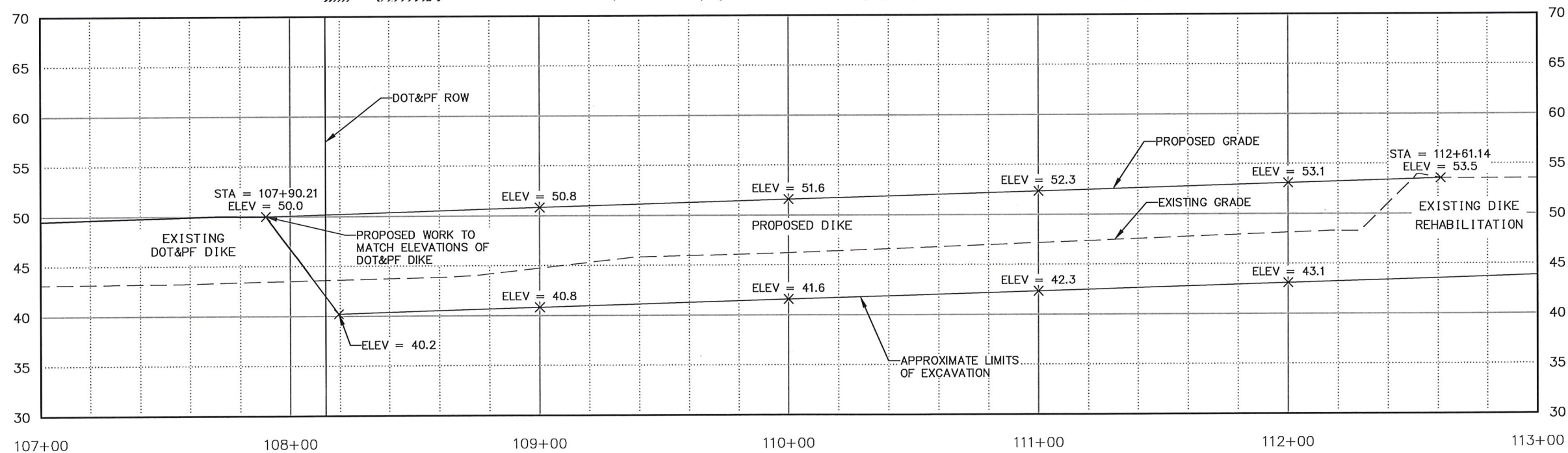
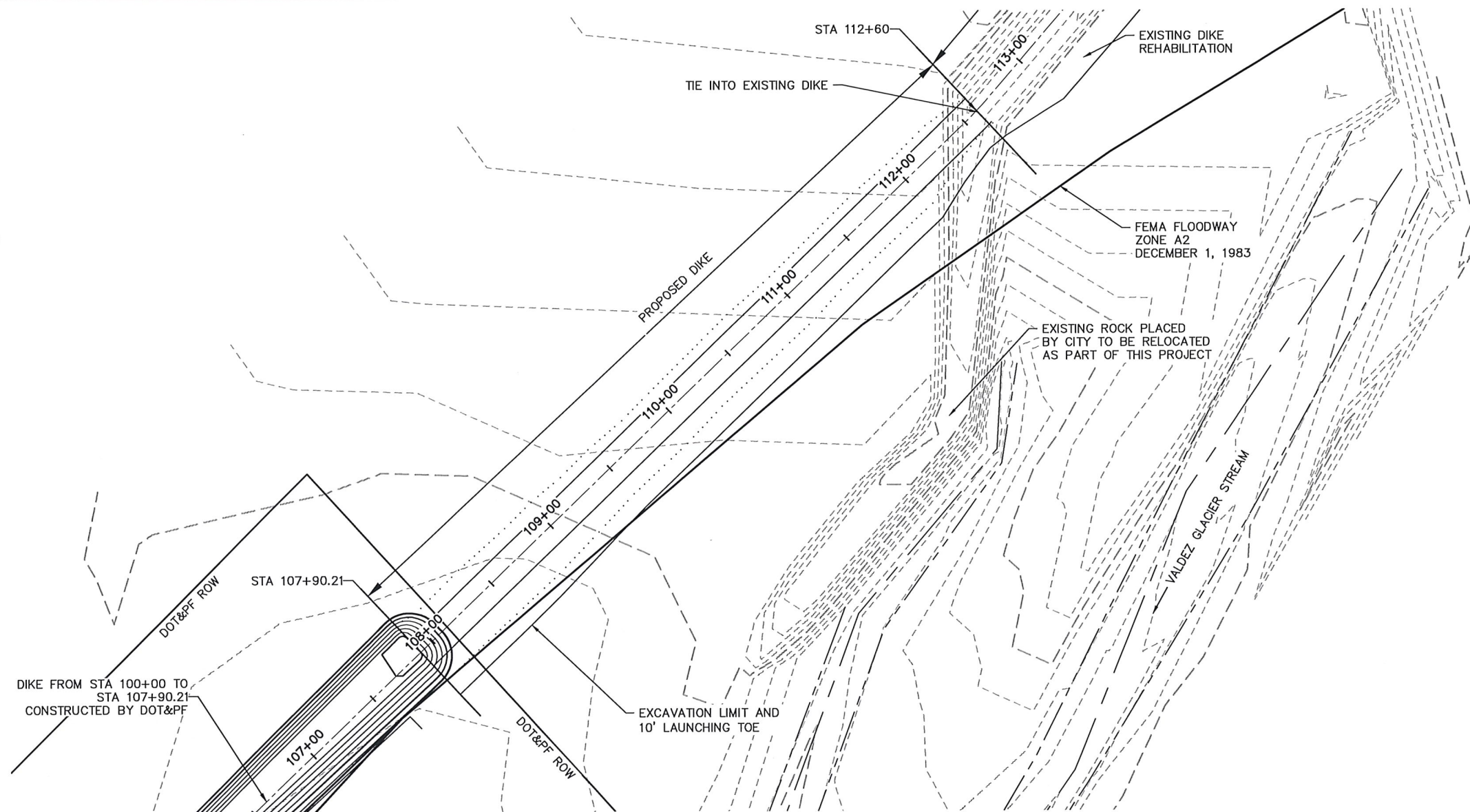
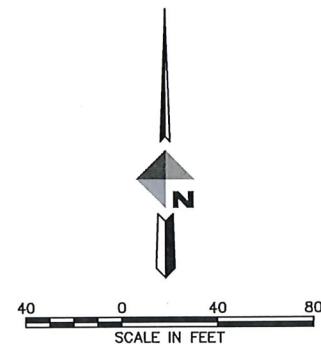
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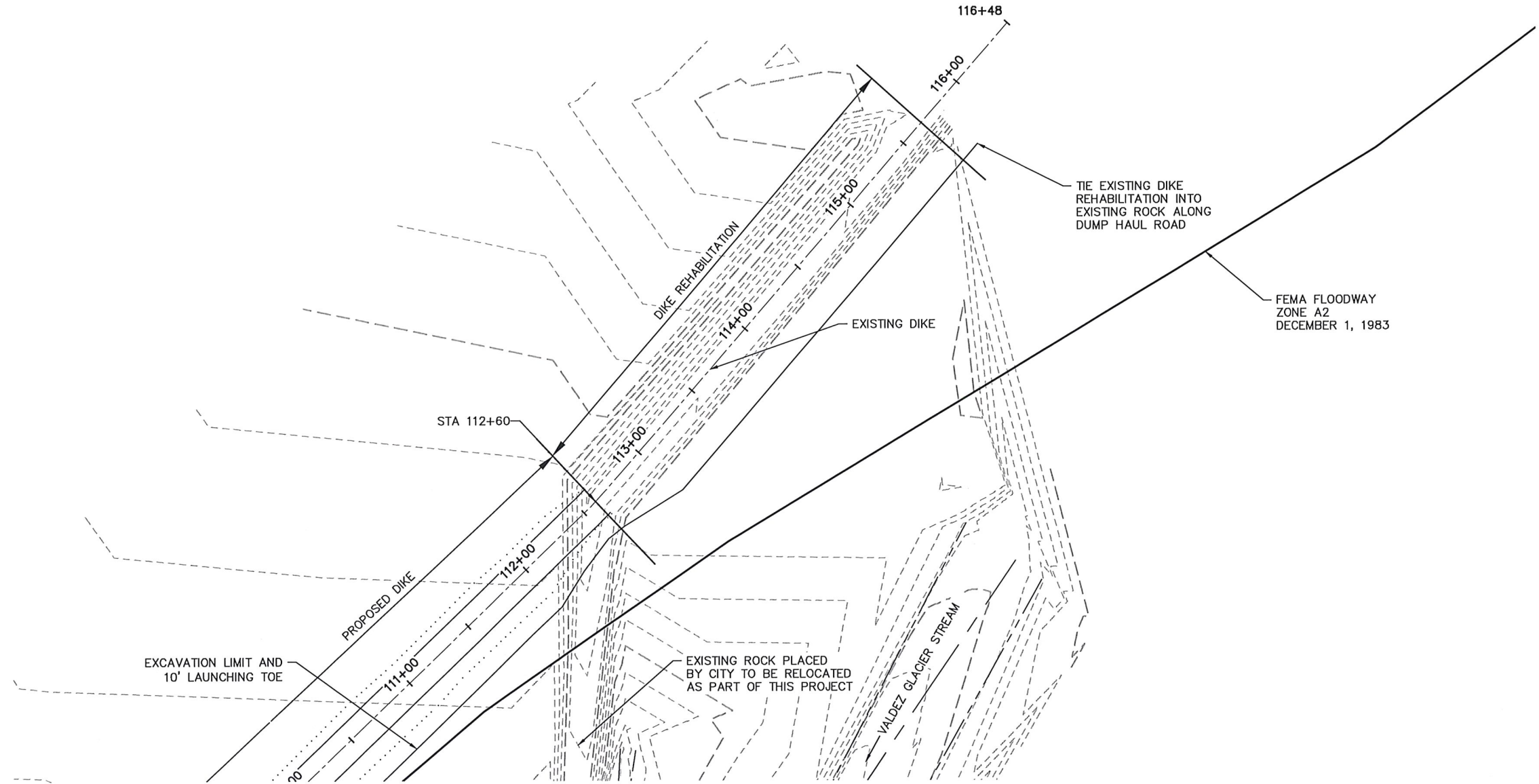
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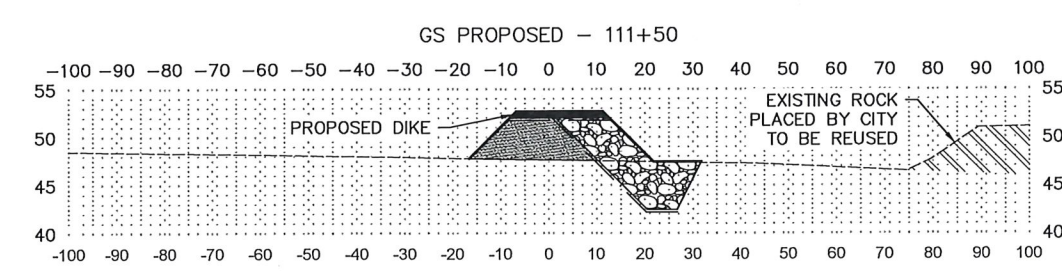
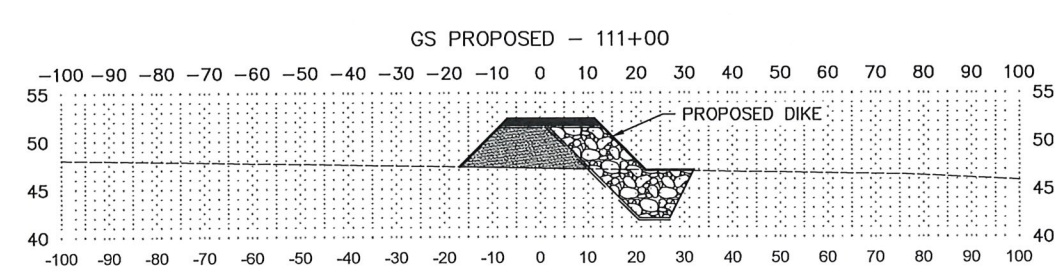
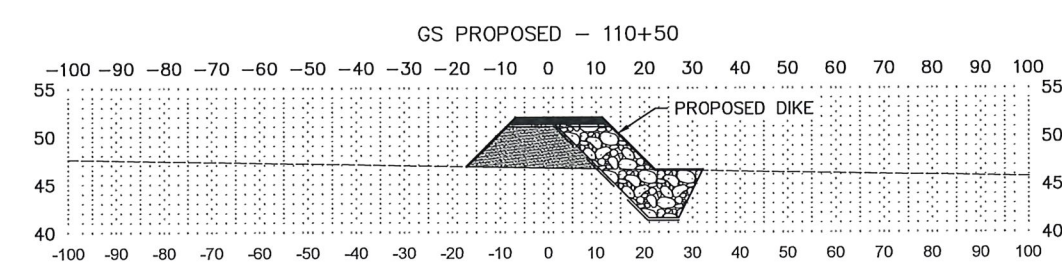
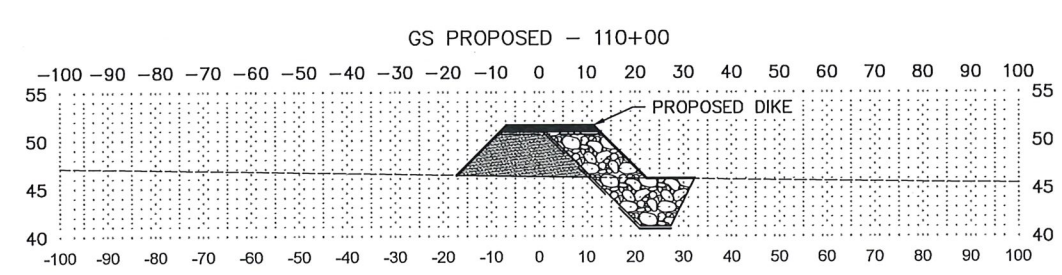
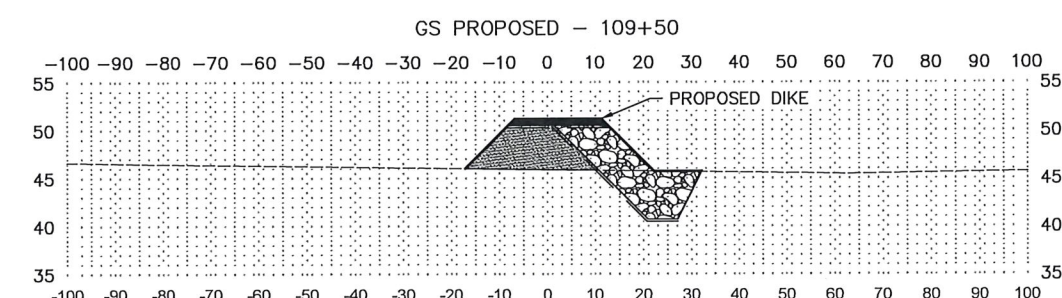
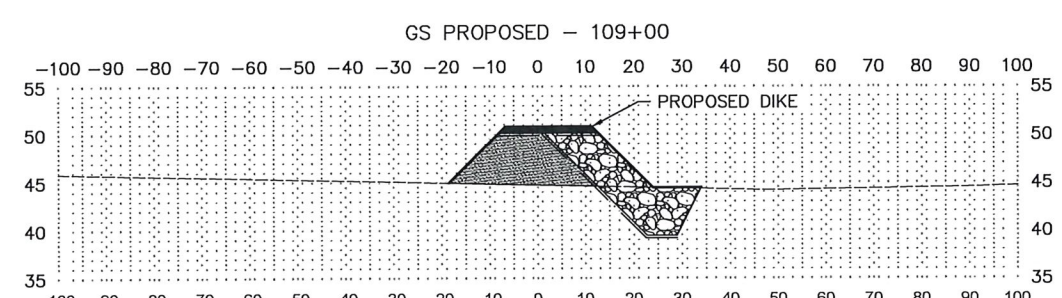
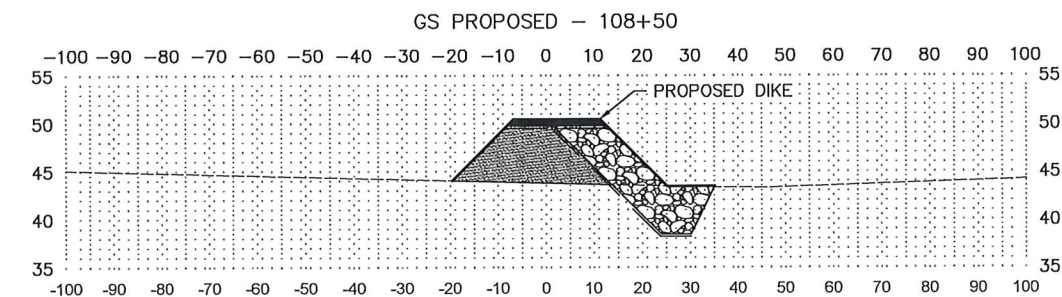
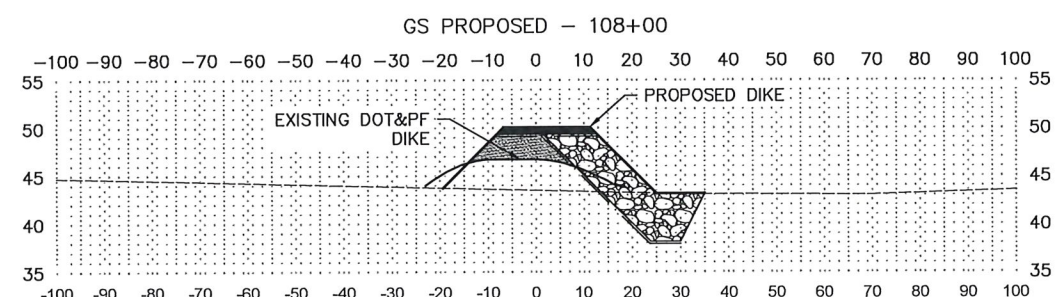
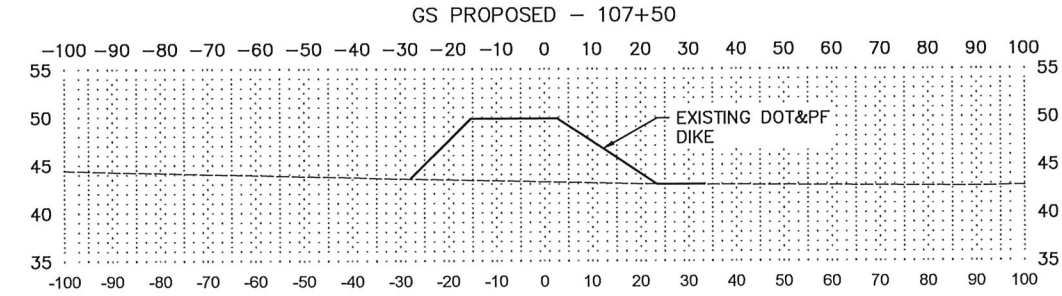
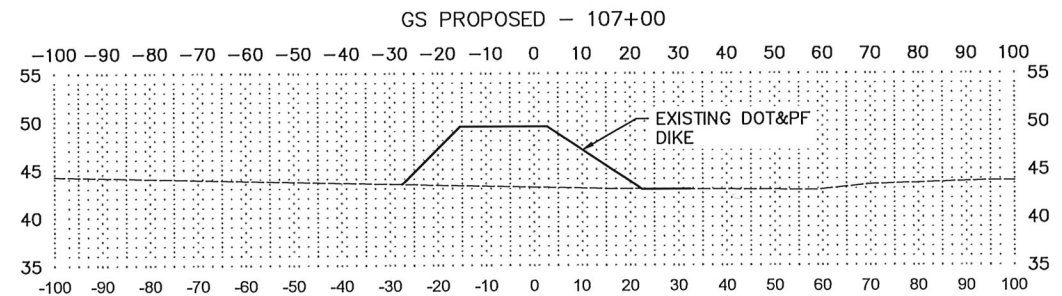


CITY OF VALDEZ GLACIER STREAM - UPSTREAM PROPOSED PLAN AND PROFILE	
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DESIGNED BY	
DRAWN BY	HCR
DATE	FEBRUARY 2019
W.O. NO.	62529
F.B. NO.	
REF. DWG	
LOCATION	VALDEZ ALASKA
SCALE	
HORZ.	
VERT.	
SHEET 5 OF 8	
FILE NO.	

DATA	REVISIONS	DESCRIPTION	BY
Soil			
Storm			
Water			
Gas			
Telephone			
Electric			
Cable TV			
Fire			
Other			
Approved			

Vertical Datum:
4041 B Street
Anchorage, Alaska 99503
907-562-2000





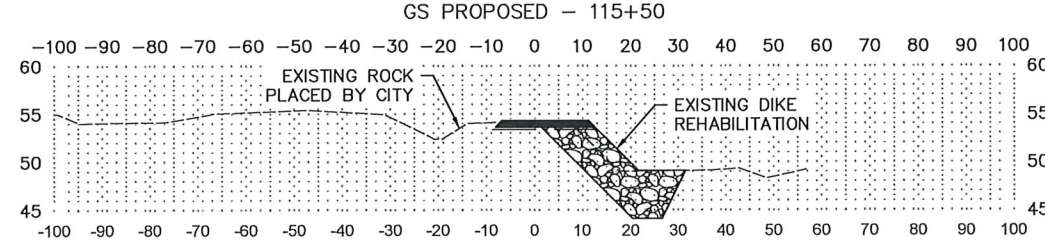
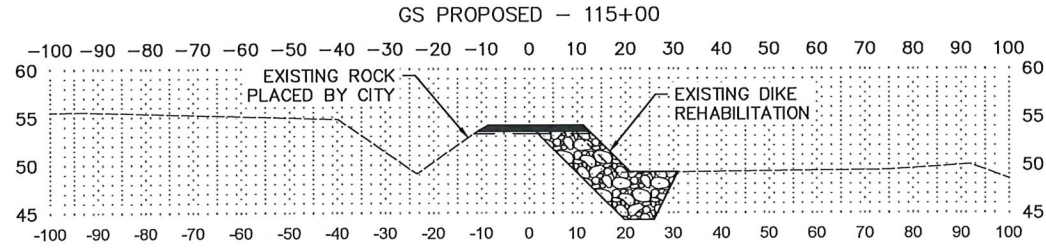
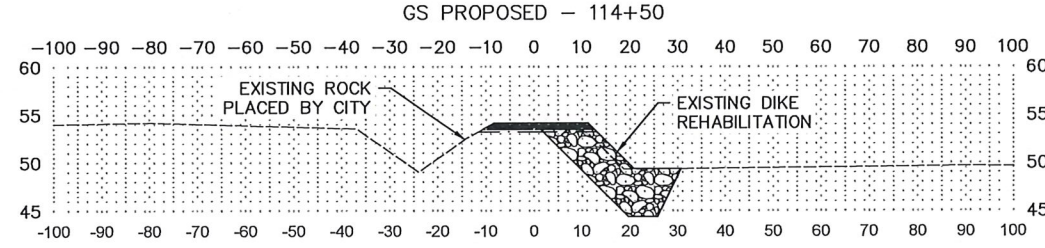
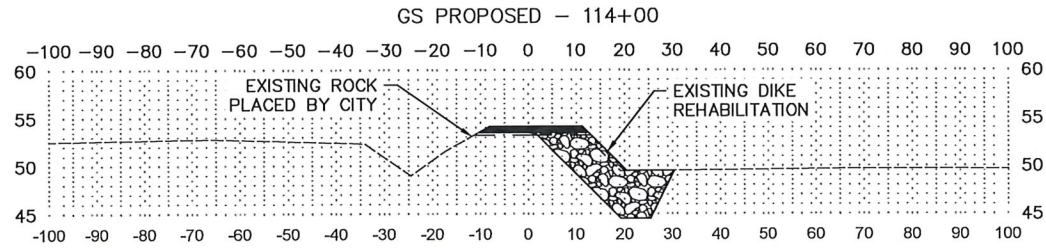
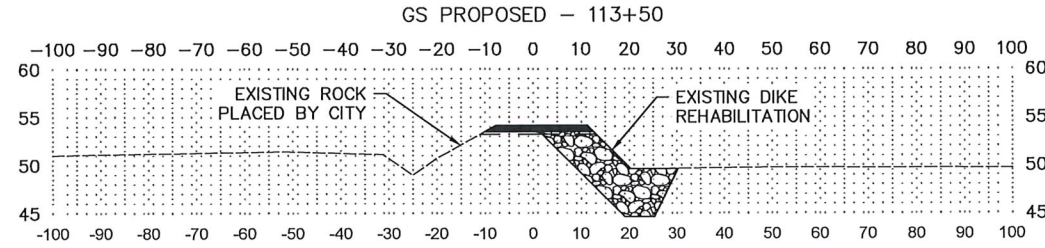
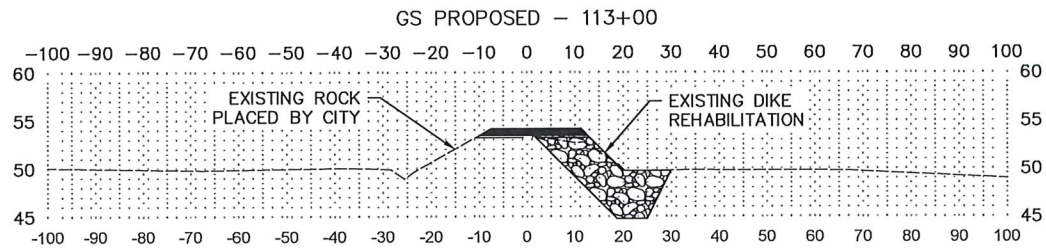
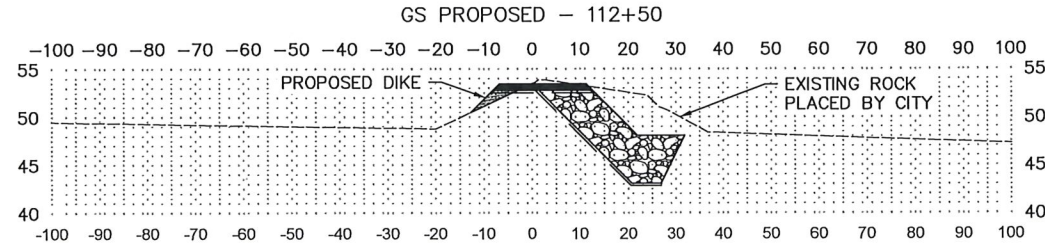
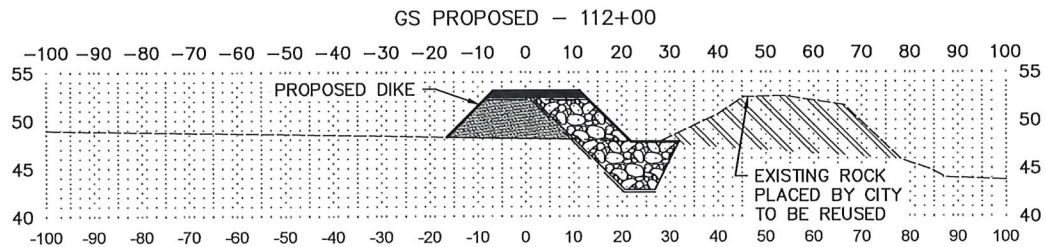
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DRAWN BY		HCR		DATE	
F.B. NO.		62529		REF. DWG	
LOCATION		VALDEZ		ALASKA	
SCALE		HORIZ.		VERT.	
SHEET		7		OF 8	
FILE NO.					

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DATA	DATE	BY
San. Sewer		
Storm Sewer		
Water		
Gas		
Telephone		
Electric		
Cable TV		
Electric Elev.		
Footings		
Approved		



CITY OF VALDEZ		GLACIER STREAM - UPSTREAM		CROSS SECTIONS	
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DRAWN BY		HCR		DATE	
FEBRUARY 2019		W.O. NO.		62529	
F.B. NO.		REF. DWG		LOCATION	
VALDEZ		ALASKA		SCALE	
HORZ.		VERT.		SHEET	
8		OF 8		FILE NO.	