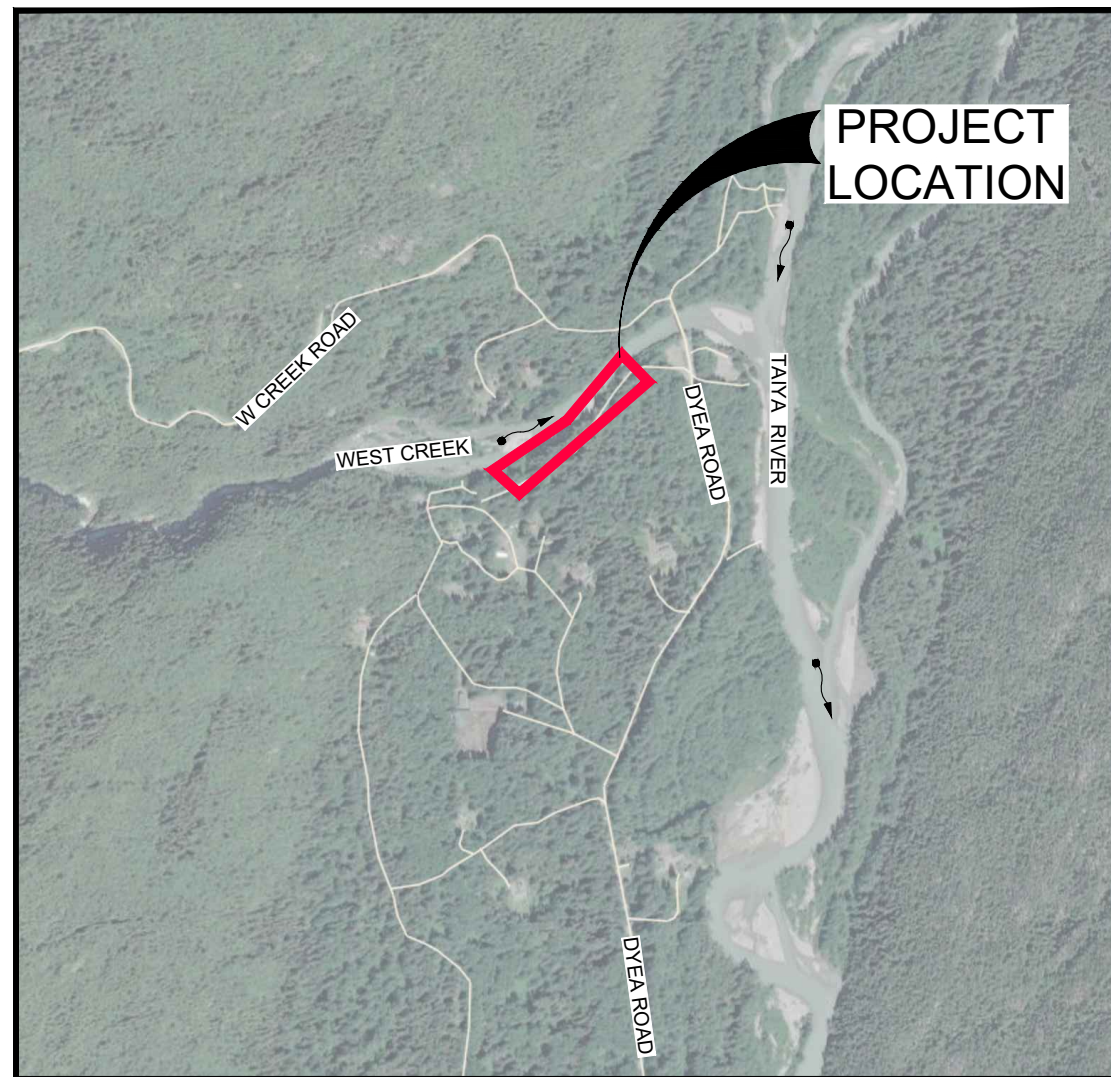
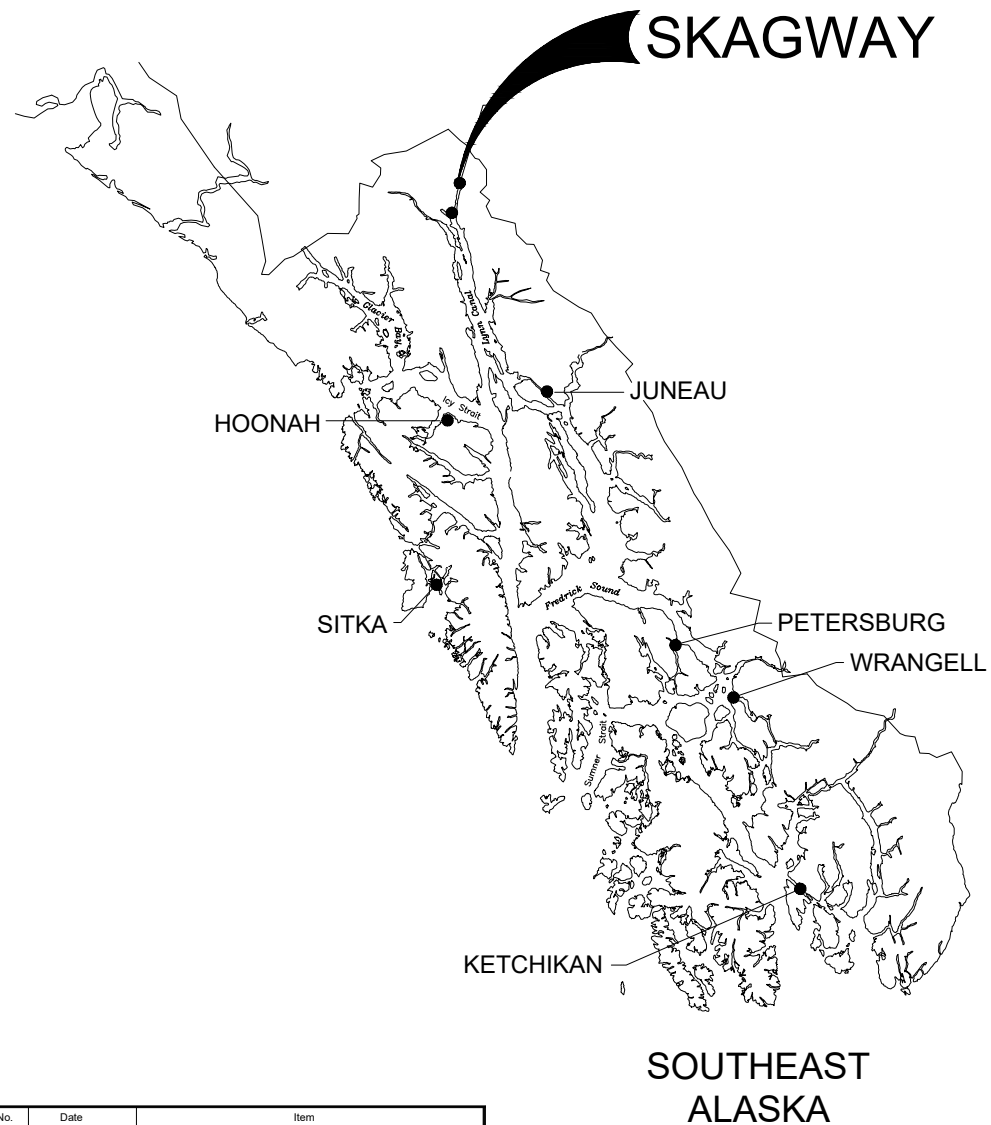


1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

MUNICIPALITY OF SKAGWAY

WEST CREEK LEVEE IMPROVEMENTS

SKAGWAY, ALASKA



PROJECT LOCATION MAP
NTS

SHEET INDEX	
SHEET No.	DESCRIPTION
C001	COVER SHEET
C002	GENERAL NOTES, ABBREVIATIONS & SYMBOLS
C100	SURVEY CONTROL DIAGRAM
C101	EXISTING SITE TOPOGRAPHY
C102	EXISTING SITE TOPOGRAPHY
C200	WEST CREEK SITE PLAN
C201	WEST CREEK SITE PLAN
C202	GRADE POINT SUMMARY TABLES
C300	SITE CROSS SECTIONS
C301	SITE CROSS SECTIONS
C302	SITE CROSS SECTIONS
C303	SITE CROSS SECTIONS
C304	SITE CROSS SECTIONS
C400	CONSTRUCTION DETAILS

BOROUGH MAYOR
ANDREW CREMETA

BOROUGH VICE MAYOR
ORION HANSEN

BOROUGH ASSEMBLY
SAM BASS DEB POTTER
JAY BURNHAM DAN HENRY
REBA HYLTON

BOROUGH ADMINISTRATOR
BRAD RYAN

PUBLIC WORKS DIRECTOR
TYSON AMES

APPROVED BY	
BOROUGH MANAGER	
SIGNATURE _____	DATE _____
PUBLIC WORKS DIRECTOR	
SIGNATURE _____	DATE _____

SHEET TITLE :
COVER SHEET

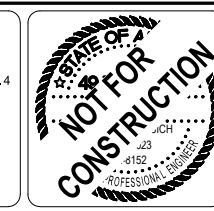
50% SUBMITTAL

PROJECT :
MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS

SKAGWAY, ALASKA

RESPEC

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DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	05/09/2024
PROJECT No. 11014.24013	
SHEET NUMBER C001	

No.	Date	Item
REVISIONS		

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GENERAL CONSTRUCTION NOTES

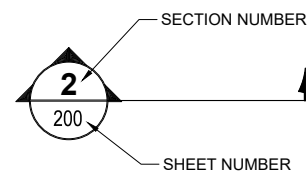
- ALL CONSTRUCTION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH PROJECT SPECIFIC PERMITS INCLUDING ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND STANDARDS.
- RIPRAP LAYOUT SHOWN ON THESE PLANS ARE SUBJECT TO MINOR REVISIONS AS APPROVED BY THE ENGINEER.
- ALL EXCAVATION SPOILS, ORGANICS, WOODY DEBRIS, MUCK AND OTHER MATERIALS UNSUITABLE FOR BANK STABILIZATION BACKFILL THAT ARE GENERATED FROM THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF AT AN OFF SITE LOCATION THAT IS PERMITTED TO PERFORM SUCH ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING BMPS, EROSION AND SEDIMENT CONTROL AND PHASING THE WORK SUCH AS TO MINIMIZE THE DISCHARGE OF SEDIMENTS OR OTHER POLLUTANTS FROM THE SITE INTO WEST CREEK.
- A GEOTECHNICAL INVESTIGATION WAS NOT PERFORMED AS PART OF THIS DESIGN. GROUNDWATER, LARGE BOULDERS, BEDROCK, STUMPS, LOGS AND ORGANICS MAY BE ENCOUNTERED AT VARIOUS DEPTHS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH MOS NOISE ORDINANCE REQUIREMENTS PER CHAPTER 9.03 NOISE CONTROL OF THE MOS MUNICIPAL CODE. THIS IS FROM 6:00AM TO 10:00PM DURING THE CONSTRUCTION SEASON.

ABBREVIATIONS

ADEC	STATE OF ALASKA - DEPARTMENT OF ENVIRONMENTAL CONSERVATION	MAX	MAXIMUM
ADF&G	STATE OF ALASKA - DEPARTMENT OF FISH AND GAME	MIN	MINIMUM
ADOT&PF	STATE OF ALASKA - DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	MOS	MUNICIPALITY OF SKAGWAY
APPROX.	APPROXIMATE	MTE	MATCH TO EXISTING
BMP	BEST MANAGEMENT PRACTICE	N	NORTHING
CL	CENTERLINE	N/A	NOT APPLICABLE
CLR	CLEAR	NFS	NON-FROST SUSCEPTIBLE
COE	UNITED STATES ARMY CORPS OF ENGINEERS	No.	NUMBER
CONT	CONTINUOUS	NTS	NOT TO SCALE
CP	CONTROL POINT	OHW	ORDINARY HIGH WATER
CTE	CONNECT TO EXISTING	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
CY	CUBIC YARD	PC	POINT OF CURVATURE
DIA	DIAMETER	PI	POINT OF INTERSECTION
DNR	STATE OF ALASKA - DEPARTMENT OF NATURAL RESOURCES	P/L	PROPERTY LINE
DWGS	DRAWINGS	PP	POWER POLE
E	EASTING	PT	POINT OF TANGENCY
(E)	EXISTING	R	RADIUS
EG	EXISTING GRADE	RP	RADIUS POINT
EL	ELEVATION	RT	RIGHT
EOP	END OF PROJECT	STA	STATION
EQ	EQUAL	STD	STANDARD
EXIST	EXISTING	TBM	TEMPORARY BENCH MARK
FD	FOUNDATION DRAIN	TOB	TOP OF BANK
FG	FINISH GRADE	TOS	TOP OF SLOPE
FL	FLOW LINE	TYP	TYPICAL
FT	FEET	UON	UNLESS OTHERWISE NOTED
GB	GRADE BREAK	VERT	VERTICAL
HP	HIGH POINT	W/	WITH
IE	INVERT ELEVATION		
L	LENGTH		
LP	LOW POINT		
LT	LEFT		

SYMBOLS

EXISTING	PROPOSED	
		PROPERTY LINE
		PROPOSED PROPERTY LINE
		PROJECT BASELINE
		ASPHALT (DYEAD ROAD)
		EDGE OF GRAVEL
		TOP OF BANK / SLOPE
		TOE OF BANK / SLOPE
		GROUND CONTOUR
		STRUCTURE
		HABITAT BOULDER
		RIPRAP LAYOUT POINT
		DIRECTIONAL FLOW ARROW
		RIPRAP SLOPE
		ORDINARY HIGH WATER LINE
		TREE LINE / CLEARING LIMITS



REFERENCE BUBBLE EXPLANATION

N.T.S.

SHEET TITLE :
**GENERAL NOTES,
 ABBREVIATIONS & SYMBOLS**

50% SUBMITTAL

PROJECT :
**MUNICIPALITY OF SKAGWAY
 WEST CREEK LEVEE IMPROVEMENTS**

SKAGWAY, ALASKA

Juneau, AK
 9109 Mendenhall Mall Rd. Ste. 4
 Juneau, AK 99801
 Phone: 907.780.6060
 Fax: 907.586.3771
 AECC163270

CLIENT :

DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	05/09/2024
PROJECT No. 11014.24013	
SHEET NUMBER C002	

No.	Date	Item
REVISIONS		

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

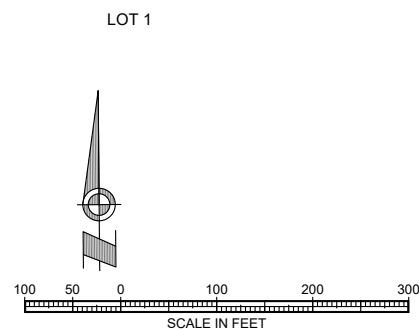
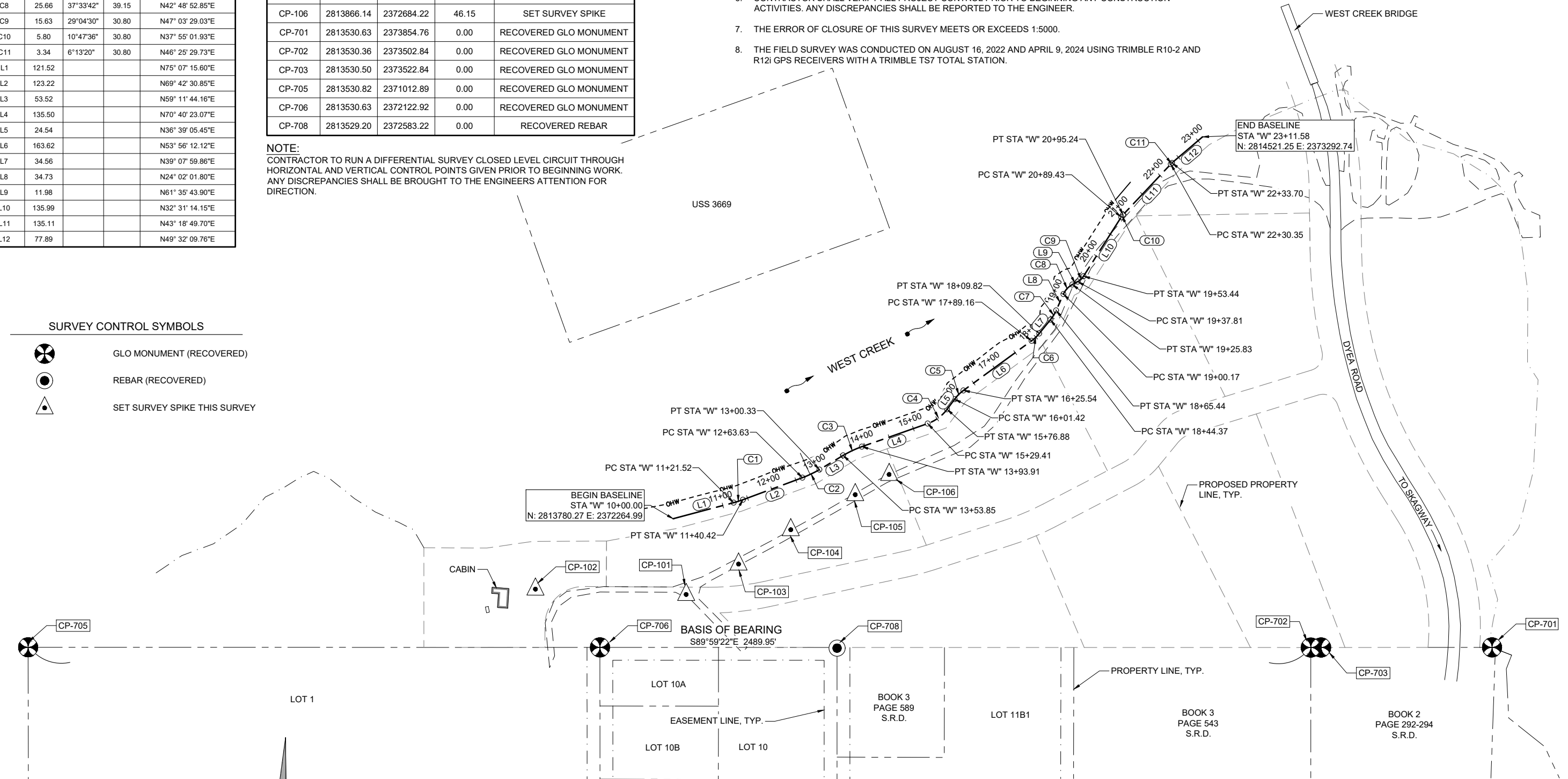
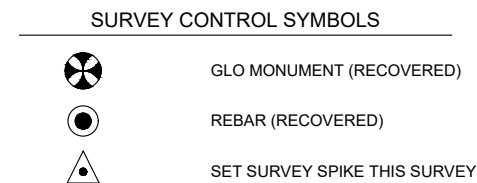
WEST CREEK BASELINE				
NUMBER	LENGTH	DELTA	RADIUS	LINE/CHORD DIRECTION
C1	18.89	5°24'45"	200.00	N72° 24' 53.22"E
C2	36.70	10°30'47"	200.00	N64° 27' 07.51"E
C3	40.06	11°28'39"	200.00	N64° 56' 03.62"E
C4	47.47	34°01'18"	79.95	N53° 39' 44.26"E
C5	24.12	17°17'07"	79.95	N45° 17' 38.79"E
C6	20.66	14°48'12"	79.95	N46° 32' 05.99"E
C7	21.07	15°05'58"	79.95	N31° 35' 00.83"E
C8	25.66	37°33'42"	39.15	N42° 48' 52.85"E
C9	15.63	29°04'30"	30.80	N47° 03' 29.03"E
C10	5.80	10°47'36"	30.80	N37° 55' 01.93"E
C11	3.34	6°13'20"	30.80	N46° 25' 29.73"E
L1	121.52			N75° 07' 15.60"E
L2	123.22			N69° 42' 30.85"E
L3	53.52			N59° 11' 44.16"E
L4	135.50			N70° 40' 23.07"E
L5	24.54			N36° 39' 05.45"E
L6	163.62			N53° 56' 12.12"E
L7	34.56			N39° 07' 59.86"E
L8	34.73			N24° 02' 01.80"E
L9	11.98			N61° 35' 43.90"E
L10	135.99			N32° 31' 14.15"E
L11	135.11			N43° 18' 49.70"E
L12	77.89			N49° 32' 09.76"E

HORIZONTAL AND VERTICAL SURVEY CONTROL POINT TABLE				
POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-101	2813633.32	2372290.21	47.86	SET SURVEY SPIKE
CP-102	2813643.68	2371997.68	51.92	SET SURVEY SPIKE
CP-103	2813692.26	2372391.92	47.33	SET SURVEY SPIKE
CP-104	2813758.96	2372493.35	47.17	SET SURVEY SPIKE
CP-105	2813827.00	2372618.51	46.33	SET SURVEY SPIKE
CP-106	2813866.14	2372684.22	46.15	SET SURVEY SPIKE
CP-701	2813530.63	2373854.76	0.00	RECOVERED GLO MONUMENT
CP-702	2813530.36	2373502.84	0.00	RECOVERED GLO MONUMENT
CP-703	2813530.50	2373522.84	0.00	RECOVERED GLO MONUMENT
CP-705	2813530.82	2371012.89	0.00	RECOVERED GLO MONUMENT
CP-706	2813530.63	2372122.92	0.00	RECOVERED GLO MONUMENT
CP-708	2813529.20	2372583.22	0.00	RECOVERED REBAR

NOTE:
CONTRACTOR TO RUN A DIFFERENTIAL SURVEY CLOSED LEVEL CIRCUIT THROUGH HORIZONTAL AND VERTICAL CONTROL POINTS GIVEN PRIOR TO BEGINNING WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR DIRECTION.

SHEET C100 NOTES:

1. THE PURPOSE OF THIS SURVEY IS TO PROVIDE HORIZONTAL AND VERTICAL CONTROL FOR THE WEST CREEK LEVEE IMPROVEMENTS PROJECT.
2. THE BASIS OF BEARING FOR THIS SURVEY IS THE RECORD BEARING BETWEEN CP-705 AND CP-706.
3. THE HORIZONTAL POSITIONS OF SURVEY CONTROL POINTS WERE ESTABLISHED USING REAL TIME KINEMATIC AND CONVENTIONAL SURVEYING METHODS.
4. THE VERTICAL DATUM IS NAVD88 (DERIVED USING GEOID 12B) AT CP-1, N: 2801985.39 E: 2372009.74 (NOT SHOWN), HAVING AN ELEVATION OF 16.54'.
5. COORDINATES SHOWN ARE IN A LOCAL SYSTEM, UNITS ARE IN U.S. SURVEY FEET. DISTANCES SHOWN ARE HORIZONTAL DISTANCES IN U.S. SURVEY FEET.
6. CONTRACTOR SHALL VERIFY ALL PROJECT CONTROL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
7. THE ERROR OF CLOSURE OF THIS SURVEY MEETS OR EXCEEDS 1:5000.
8. THE FIELD SURVEY WAS CONDUCTED ON AUGUST 16, 2022 AND APRIL 9, 2024 USING TRIMBLE R10-2 AND R12I GPS RECEIVERS WITH A TRIMBLE TS7 TOTAL STATION.



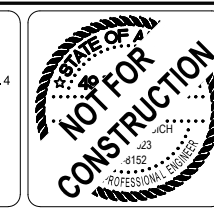
SHEET TITLE :
SURVEY CONTROL DIAGRAM

50% SUBMITTAL

PROJECT :
**MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS**

SKAGWAY, ALASKA

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DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No.	11014.24013
SHEET NUMBER	C100

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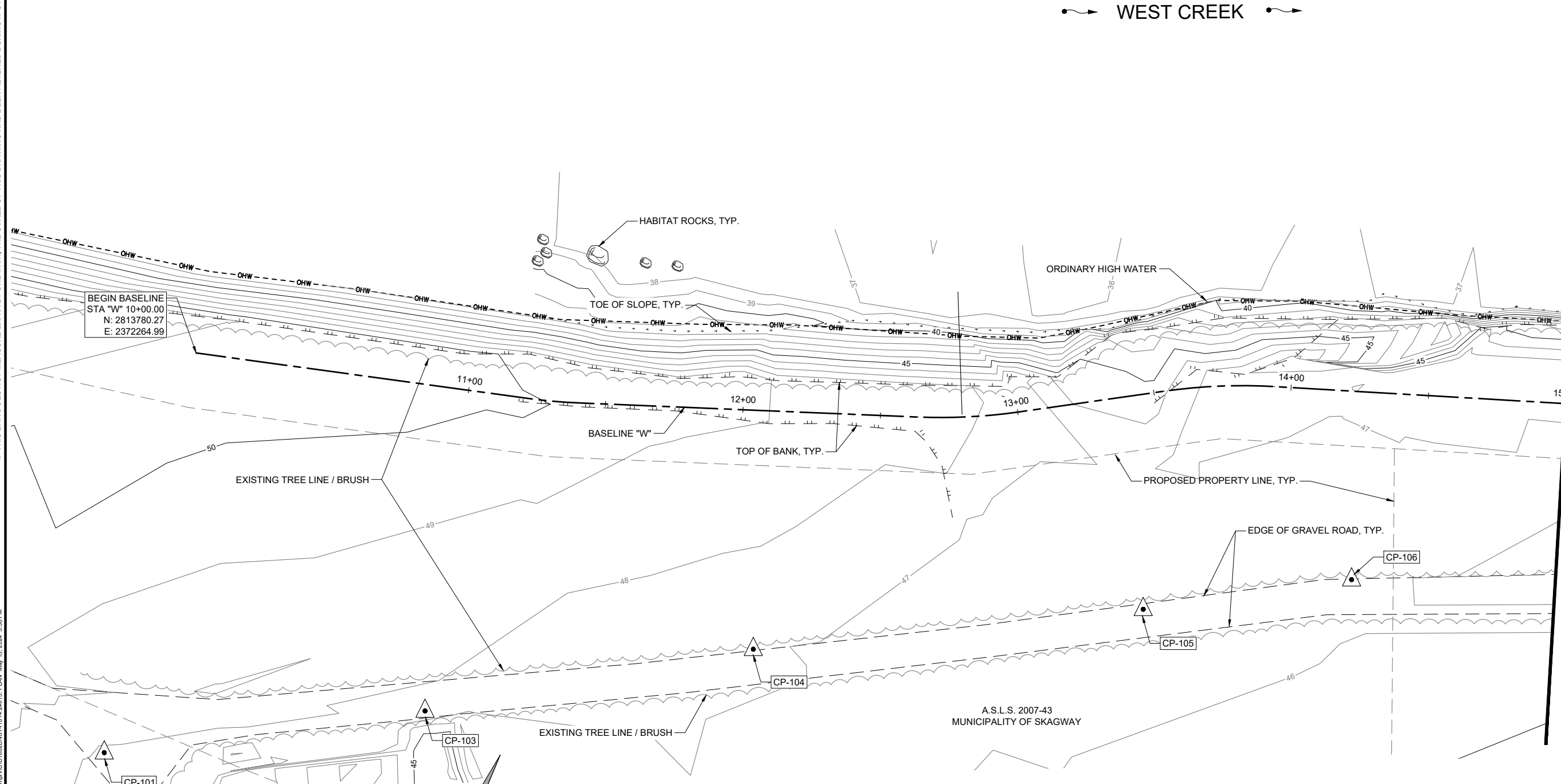
No.	Date	Item
REVISIONS		

SHEET C101 NOTES:

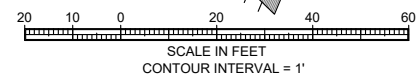
1.

WEST CREEK

MATCHLINE STA "W" 15+00, SEE SHEET C102



BEGIN BASELINE
 STA "W" 10+00.00
 N: 2813780.27
 E: 2372264.99



No.	Date	Item
REVISIONS		

SHEET TITLE :
EXISTING SITE TOPOGRAPHY

50% SUBMITTAL

PROJECT :
**MUNICIPALITY OF SKAGWAY
 WEST CREEK LEVEE IMPROVEMENTS**

SKAGWAY, ALASKA

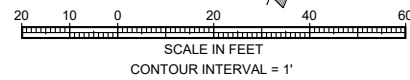
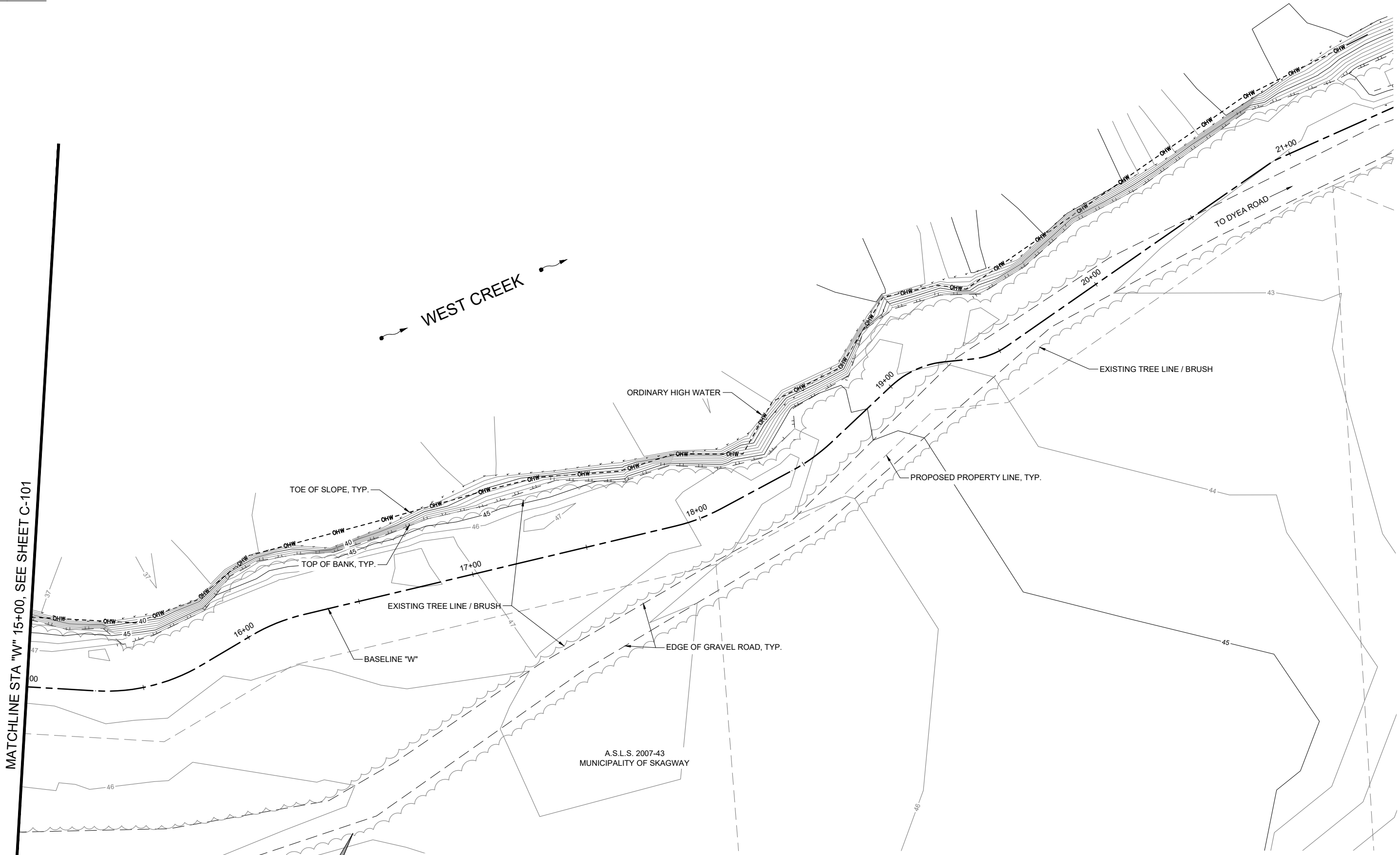
RESPEC

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 AECC163270



DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No.	11014.24013
SHEET NUMBER	C101

MATCHLINE STA "W" 15+00, SEE SHEET C-101



No.	Date	Item
REVISIONS		

SHEET TITLE :
EXISTING SITE TOPOGRAPHY

50% SUBMITTAL

PROJECT :
**MUNICIPALITY OF SKAGWAY
 WEST CREEK LEVEE IMPROVEMENTS**

SKAGWAY, ALASKA



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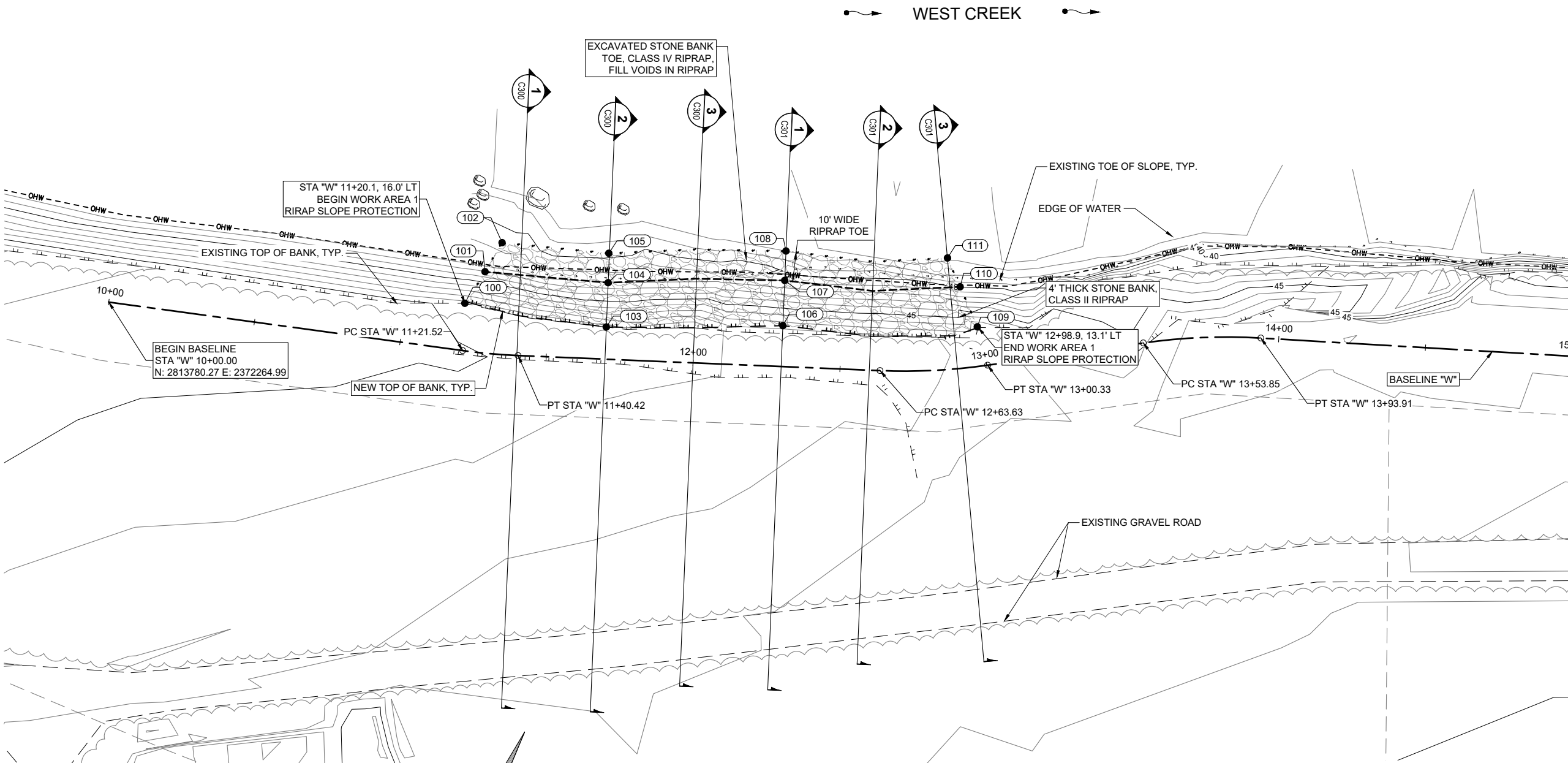
DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No.	11014.24013
SHEET NUMBER	C102

1"

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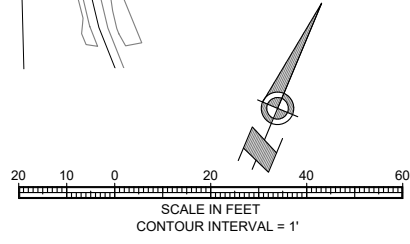
SHEET C200 NOTES:

- 1. SEE SHEET C202 FOR GRADE POINT SUMMARY TABLE.
- 2. SEE SHEET C100 FOR PROJECT BASELINE INFORMATION.



MATCHLINE STA "W" 15+00, SEE SHEET C201

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No.	Date	Item
REVISIONS		

SHEET TITLE :
WEST CREEK SITE PLAN
STA "W" 10+00 TO STA "W" 15+00

50% SUBMITTAL

PROJECT :
MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS

SKAGWAY, ALASKA

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NOT FOR CONSTRUCTION

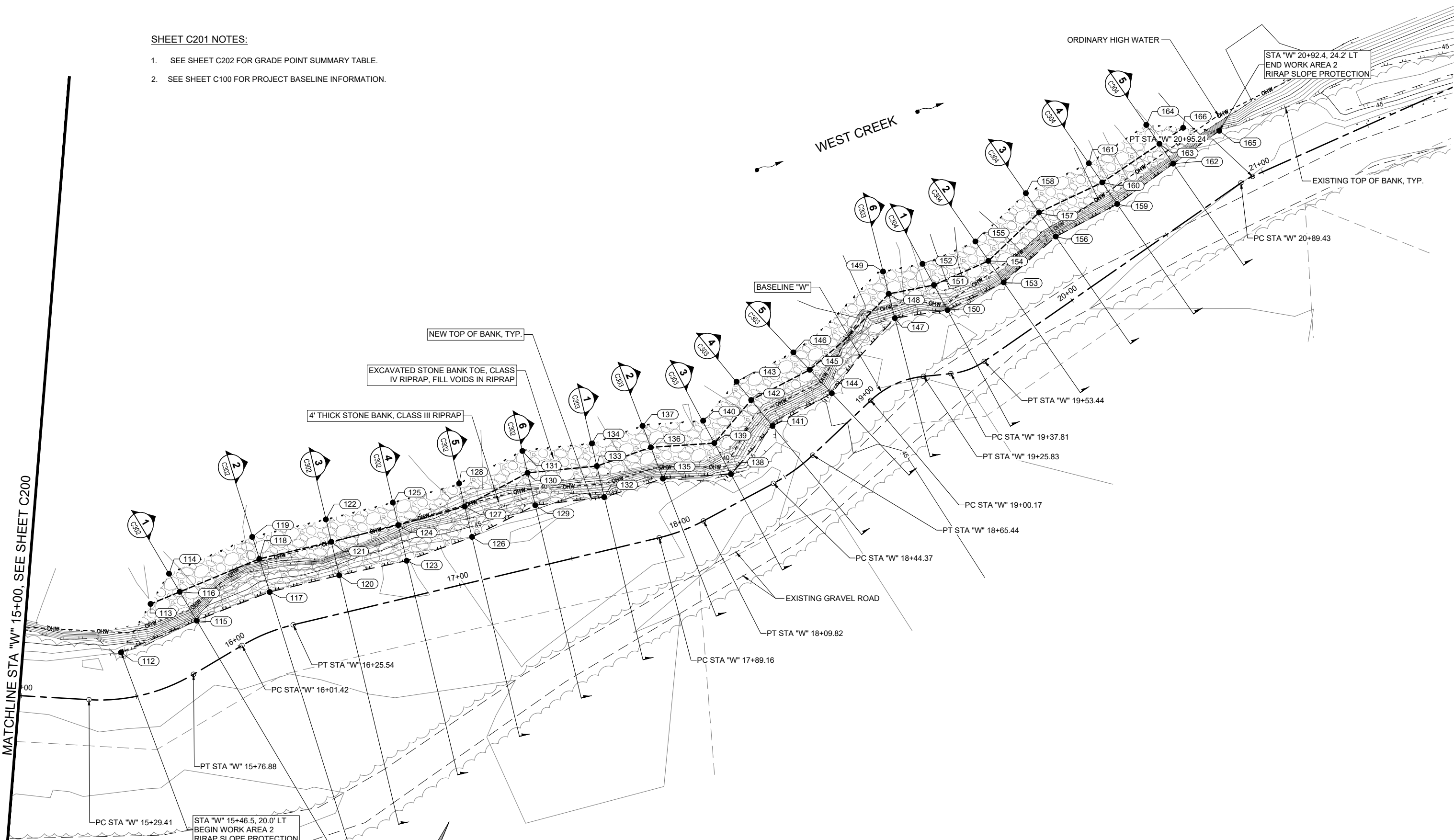
CLIENT :

DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No.	11014.24013
SHEET NUMBER	C200

SHEET C201 NOTES:

- 1. SEE SHEET C202 FOR GRADE POINT SUMMARY TABLE.
- 2. SEE SHEET C100 FOR PROJECT BASELINE INFORMATION.

MATCHLINE STA "W" 15+00, SEE SHEET C200



SHEET TITLE :
WEST CREEK SITE PLAN
STA "W" 15+00 TO STA "W" 21+90

50% SUBMITTAL

PROJECT :
MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS

SKAGWAY, ALASKA



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DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No.	11014.24013
SHEET NUMBER	C201

No.	Date	Item

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

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GRADE POINT SUMMARY TABLE			
POINT No.	STATION / OFFSET	ELEVATION	DESCRIPTION
100	"W" 11+20.1, 16.0' LT	0.00	TB
101	"W" 11+26.0, 27.5' LT	0.00	TOE BENCH
102	"W" 11+31.8, 37.9' LT	0.00	TOE RIPRAP
103	"W" 11+70.0, 10.9' LT	0.00	TB
104	"W" 11+70.0, 26.0' LT	0.00	TOE BENCH
105	"W" 11+69.8, 36.0' LT	0.00	TOE RIPRAP
106	"W" 12+30.0, 13.9' LT	0.00	TB
107	"W" 12+30.0, 29.3' LT	0.00	TOE BENCH
108	"W" 12+30.0, 39.3' LT	0.00	TOE RIPRAP
109	"W" 12+98.6, 13.4' LT	0.00	TB
110	"W" 12+94.0, 27.6' LT	0.00	TOE BENCH
111	"W" 12+90.0, 37.8' LT	0.00	TOE RIPRAP
112	"W" 15+46.5, 20.0' LT	0.00	TB
113	"W" 15+76.1, 35.8' LT	0.00	TOE BENCH
114	"W" 15+90.0, 43.1' LT	0.00	TOE RIPRAP
115	"W" 15+90.0, 19.4' LT	0.00	TB
116	"W" 15+90.0, 33.9' LT	0.00	TOE BENCH
117	"W" 16+20.0, 16.5' LT	0.00	TB
118	"W" 16+20.0, 31.6' LT	0.00	TOE BENCH
119	"W" 16+19.9, 41.6' LT	0.00	TOE RIPRAP
120	"W" 16+50.0, 16.3' LT	0.00	TB
121	"W" 16+50.0, 31.3' LT	0.00	TOE BENCH
122	"W" 16+49.9, 41.3' LT	0.00	TOE RIPRAP
123	"W" 16+80.0, 15.7' LT	0.00	TB
124	"W" 16+80.0, 31.7' LT	0.00	TOE BENCH
125	"W" 16+80.0, 41.7' LT	0.00	TOE RIPRAP
126	"W" 17+10.0, 19.2' LT	0.00	TB
127	"W" 17+10.0, 32.8' LT	0.00	TOE BENCH
128	"W" 17+10.0, 43.1' LT	0.00	TOE RIPRAP
129	"W" 17+40.0, 26.2' LT	0.00	TB
130	"W" 17+40.0, 40.7' LT	0.00	TOE BENCH
131	"W" 17+40.0, 50.5' LT	0.00	TOE RIPRAP
132	"W" 17+70.0, 22.7' LT	0.00	TB
133	"W" 17+70.0, 36.6' LT	0.00	TOE BENCH
134	"W" 17+70.2, 46.7' LT	0.00	TOE RIPRAP

GRADE POINT SUMMARY TABLE			
POINT No.	STATION / OFFSET	ELEVATION	DESCRIPTION
135	"W" 18+00.0, 24.1' LT	0.00	TB
136	"W" 18+00.0, 38.7' LT	0.00	TOE BENCH
137	"W" 18+00.0, 48.7' LT	0.00	TOE RIPRAP
138	"W" 18+30.0, 12.3' LT	0.00	TB
139	"W" 18+30.0, 27.6' LT	0.00	TOE BENCH
140	"W" 18+30.3, 38.4' LT	0.00	TOE RIPRAP
141	"W" 18+60.0, 21.1' LT	0.00	TB
142	"W" 18+60.0, 35.7' LT	0.00	TOE BENCH
143	"W" 18+60.4, 45.9' LT	0.00	TOE RIPRAP
144	"W" 18+90.0, 13.9' LT	0.00	TB
145	"W" 18+90.0, 27.9' LT	0.00	TOE BENCH
146	"W" 18+90.0, 38.3' LT	0.00	TOE RIPRAP
147	"W" 19+20.0, 27.2' LT	0.00	TB
148	"W" 19+20.0, 38.1' LT	0.00	TOE BENCH
149	"W" 19+20.0, 48.1' LT	0.00	TOE RIPRAP
150	"W" 19+50.0, 27.4' LT	0.00	TB
151	"W" 19+34.3, 39.1' LT	0.00	TOE BENCH
152	"W" 19+30.3, 48.8' LT	0.00	TOE RIPRAP
153	"W" 19+80.0, 23.4' LT	0.00	TB
154	"W" 19+79.9, 34.8' LT	0.00	TOE BENCH
155	"W" 19+80.0, 45.0' LT	0.00	TOE RIPRAP
156	"W" 20+10.0, 26.8' LT	0.00	TB
157	"W" 20+10.0, 39.6' LT	0.00	TOE BENCH
158	"W" 20+10.0, 49.7' LT	0.00	TOE RIPRAP
159	"W" 20+40.0, 23.2' LT	0.00	TB
160	"W" 20+40.0, 34.6' LT	0.00	TOE BENCH
161	"W" 20+40.0, 44.7' LT	0.00	TOE RIPRAP
162	"W" 20+70.0, 23.7' LT	0.00	TB
163	"W" 20+70.0, 34.2' LT	0.00	TOE BENCH
164	"W" 20+70.0, 44.2' LT	0.00	TOE RIPRAP
165	"W" 20+92.4, 24.2' LT	0.00	TB
166	"W" 20+82.5, 34.0' LT	0.00	TOE BENCH

ABBREVIATIONS

TB TOP OF BANK

No.	Date	Item
REVISIONS		

SHEET TITLE :
GRADE POINT SUMMARY TABLES
 50% SUBMITTAL

PROJECT :
**MUNICIPALITY OF SKAGWAY
 WEST CREEK LEVEE IMPROVEMENTS**
 SKAGWAY, ALASKA



Juneau, AK
 9109 Mendenhall Mall Rd. Ste. 4
 Juneau, AK 99801
 Phone: 907.780.6060
 Fax: 907.586.3771
 AECC163270

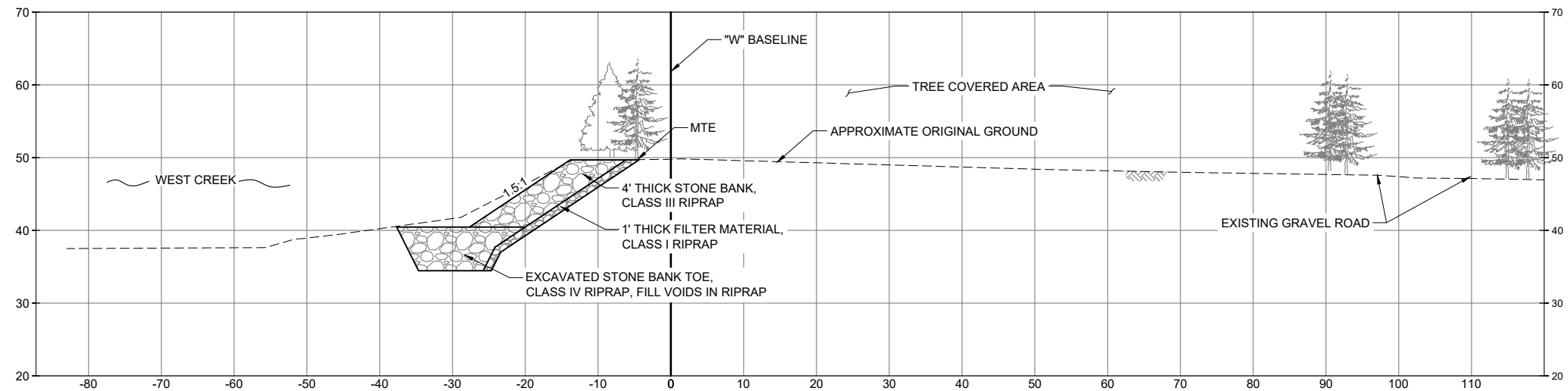


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DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No. 11014.24013	
SHEET NUMBER C202	

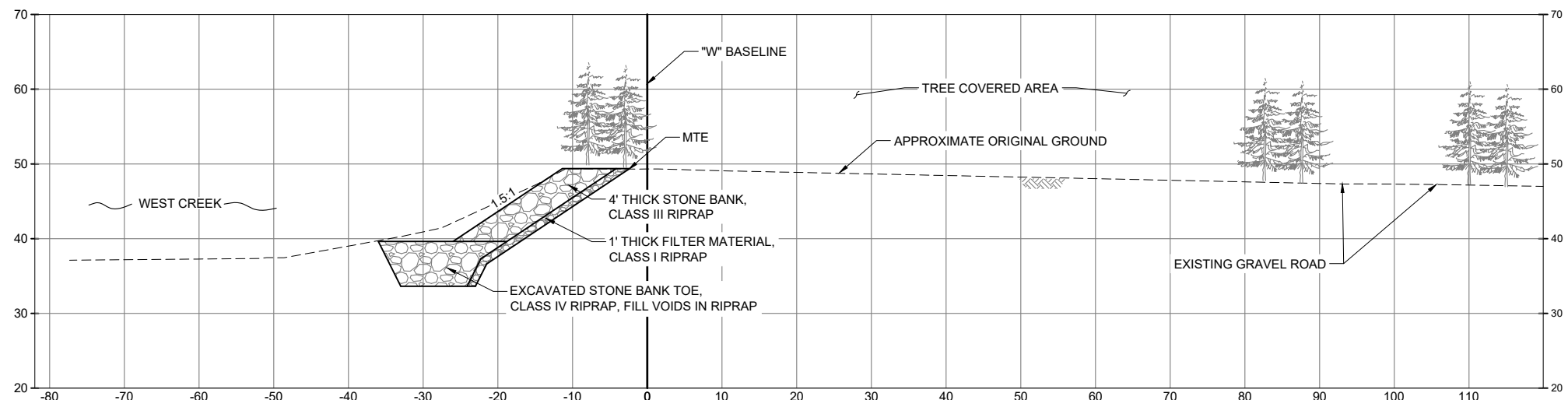
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SHEET C300 NOTES:

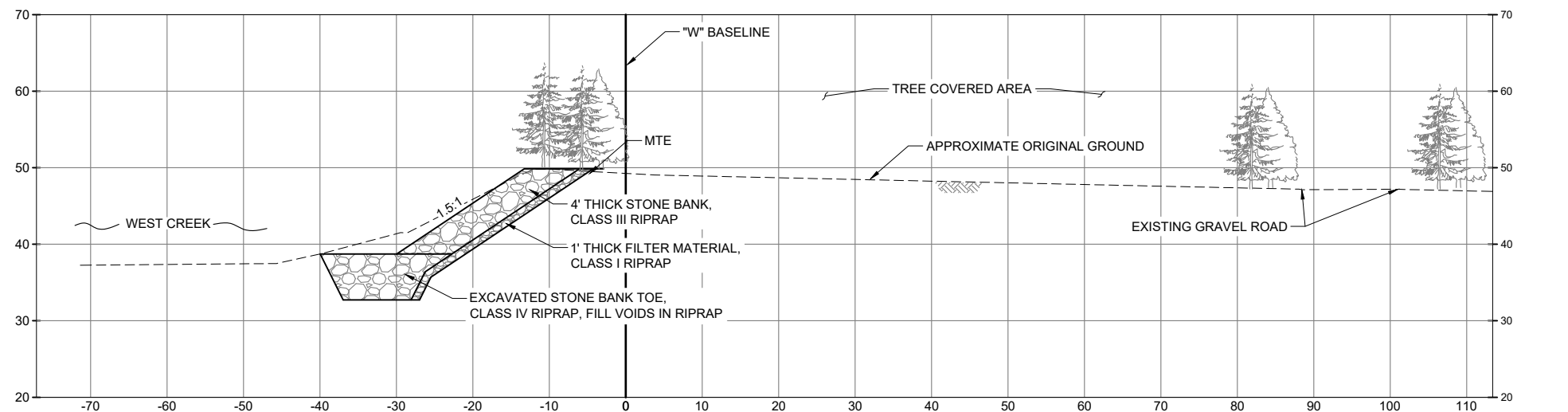
- SEE TYPICAL BANK SLOPE PROTECTION DETAIL AND SHEET C400 FOR ADDITIONAL INFORMATION



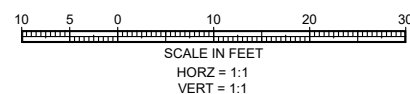
1 CROSS SECTION AT STATION 11+40.00
C300 SCALE: NTS



2 CROSS SECTION AT STATION 11+70.00
C300 SCALE: NTS



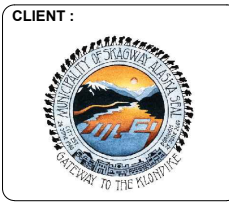
3 CROSS SECTION AT STATION 12+00.00
C300 SCALE: NTS



SHEET TITLE :
SITE CROSS SECTIONS
50% SUBMITTAL

PROJECT :
MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS
SKAGWAY, ALASKA

RESPEC
 Juneau, AK
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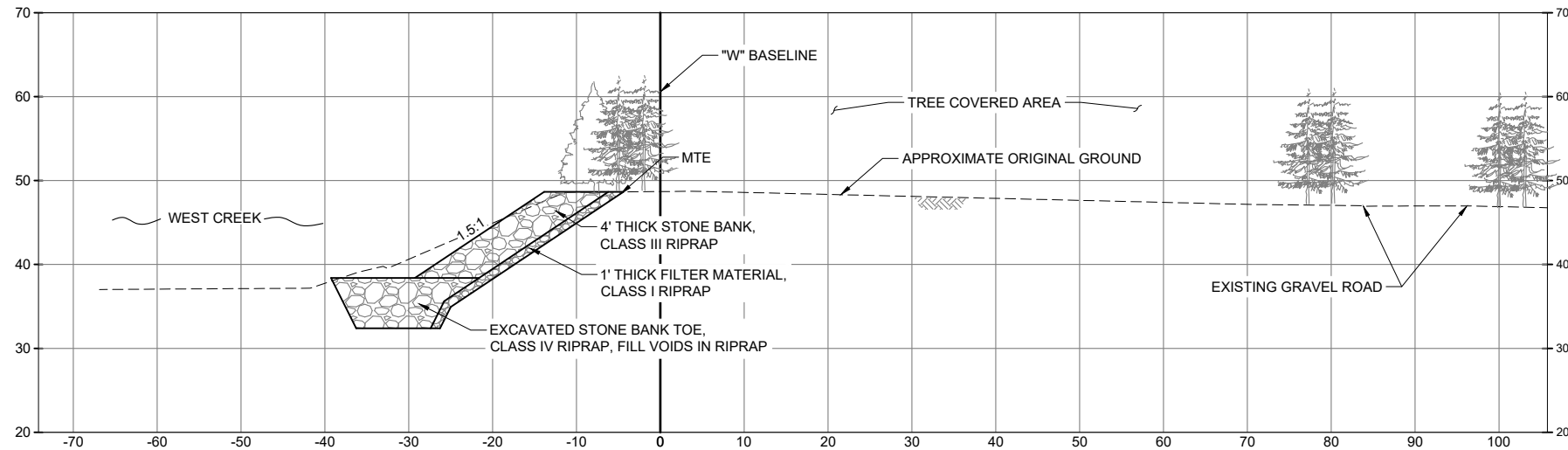
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DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No. 11014.24013	
SHEET NUMBER C300	

No.	Date	Item
REVISIONS		

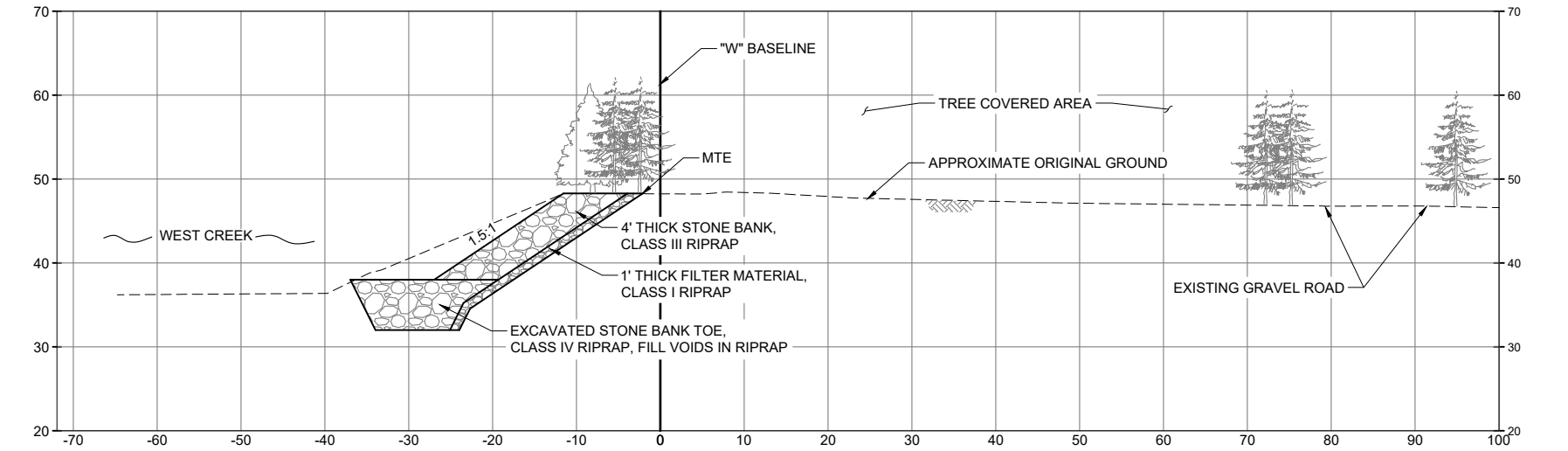
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SHEET C301 NOTES:

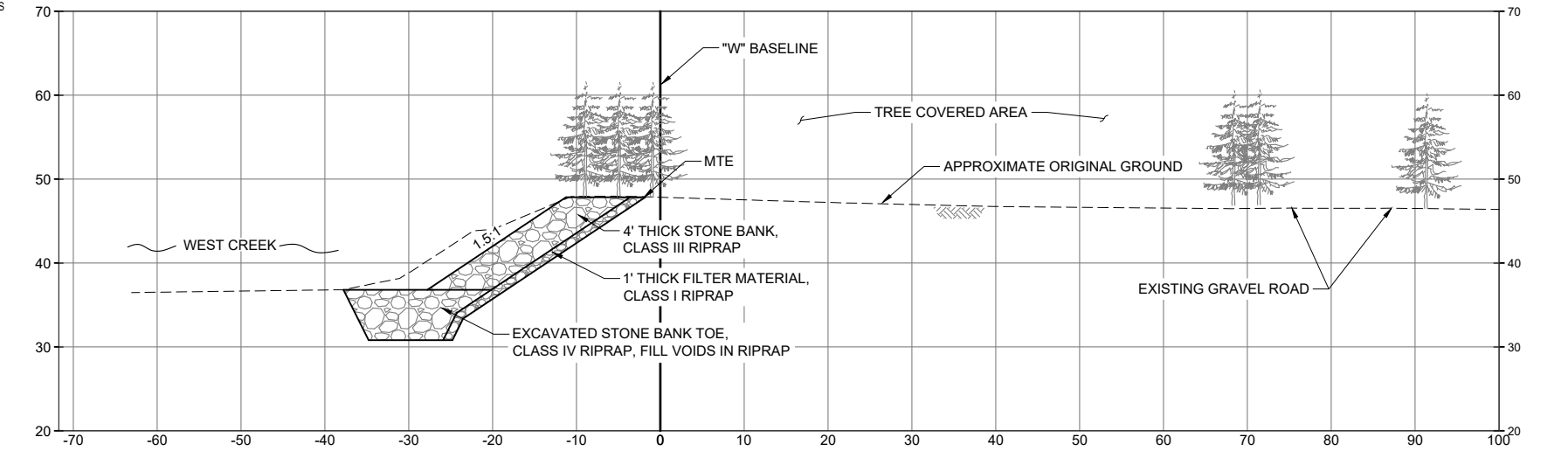
- 1. SEE TYPICAL BANK SLOPE PROTECTION DETAIL AND SHEET C400 FOR ADDITIONAL INFORMATION



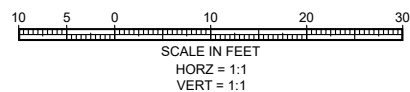
1 CROSS SECTION AT STATION 12+30.00
C301 SCALE: NTS



2 CROSS SECTION AT STATION 12+60.00
C301 SCALE: NTS



3 CROSS SECTION AT STATION 12+90.00
C301 SCALE: NTS



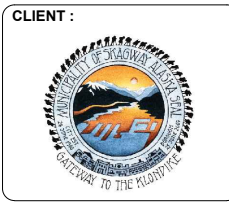
SHEET TITLE :
SITE CROSS SECTIONS

50% SUBMITTAL

PROJECT :
**MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS**

SKAGWAY, ALASKA

RESPEC
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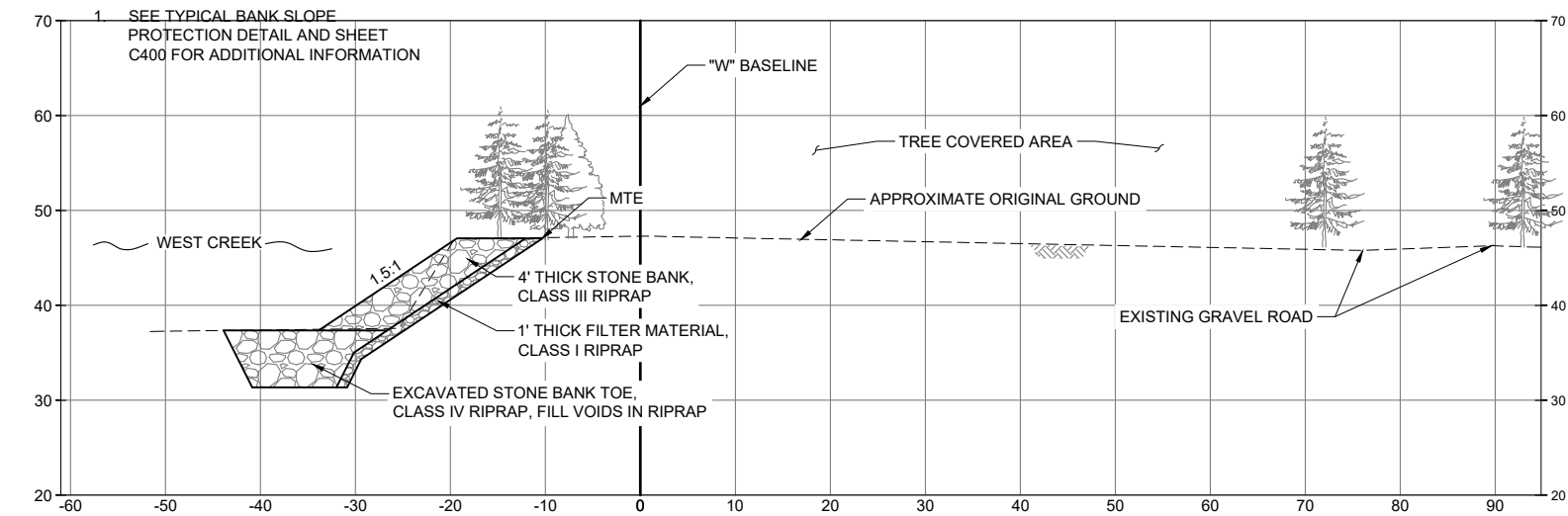


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DRAWN	JMK
CHECKED	JMP
DATE	05/13/2024
PROJECT No.	11014.24013
SHEET NUMBER	C301

No.	Date	Item
REVISIONS		

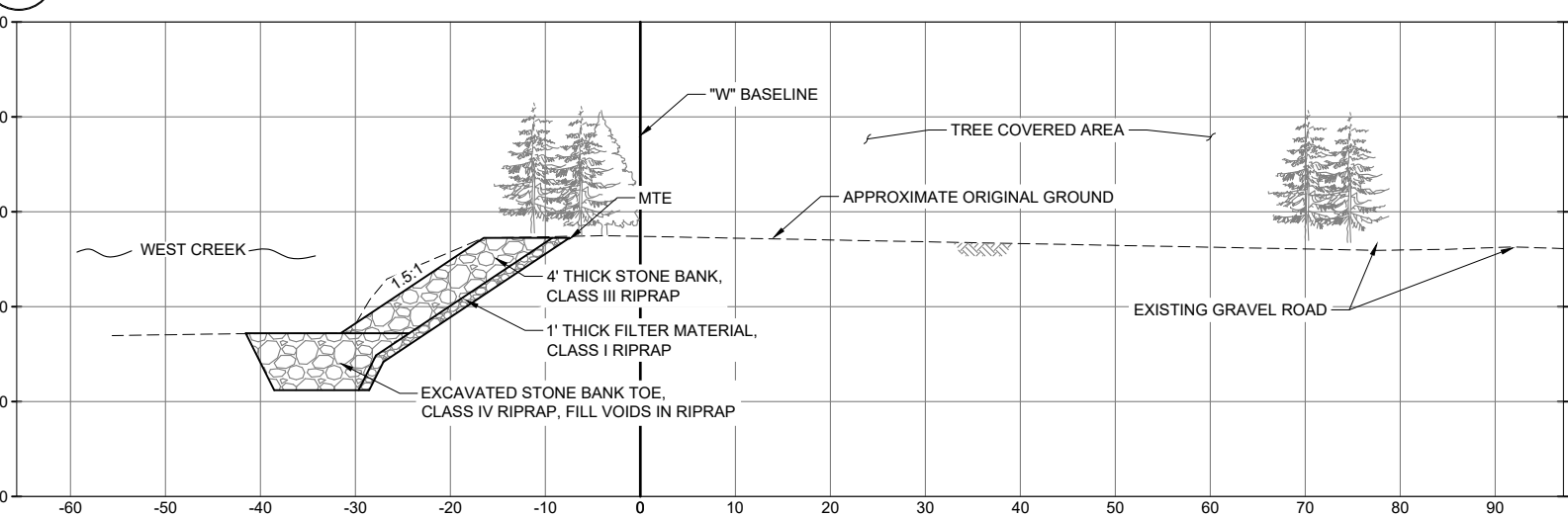
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

SHEET C302 NOTES:



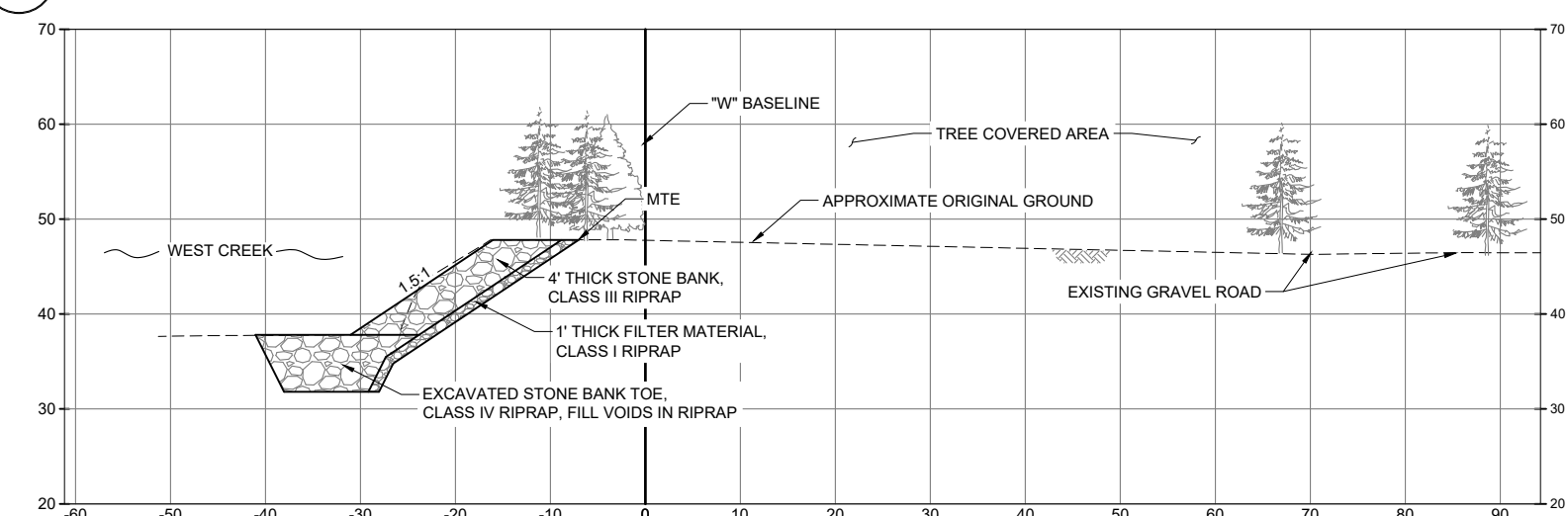
1 CROSS SECTION AT STATION 15+90.00

C302 SCALE: NTS



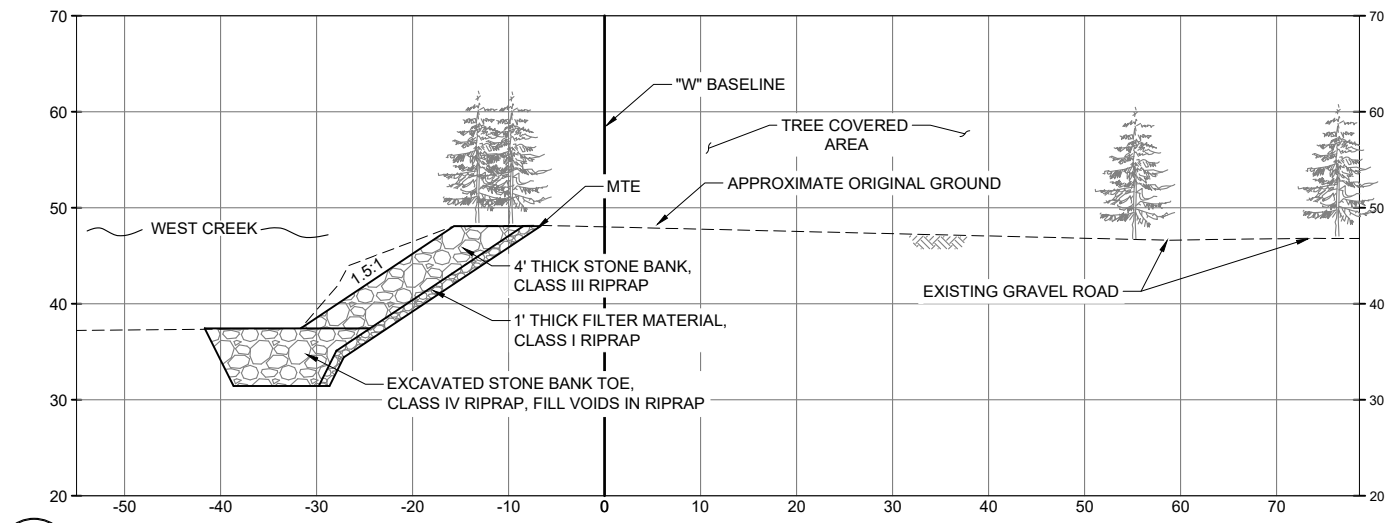
2 CROSS SECTION AT STATION 16+20.00

C302 SCALE: NTS



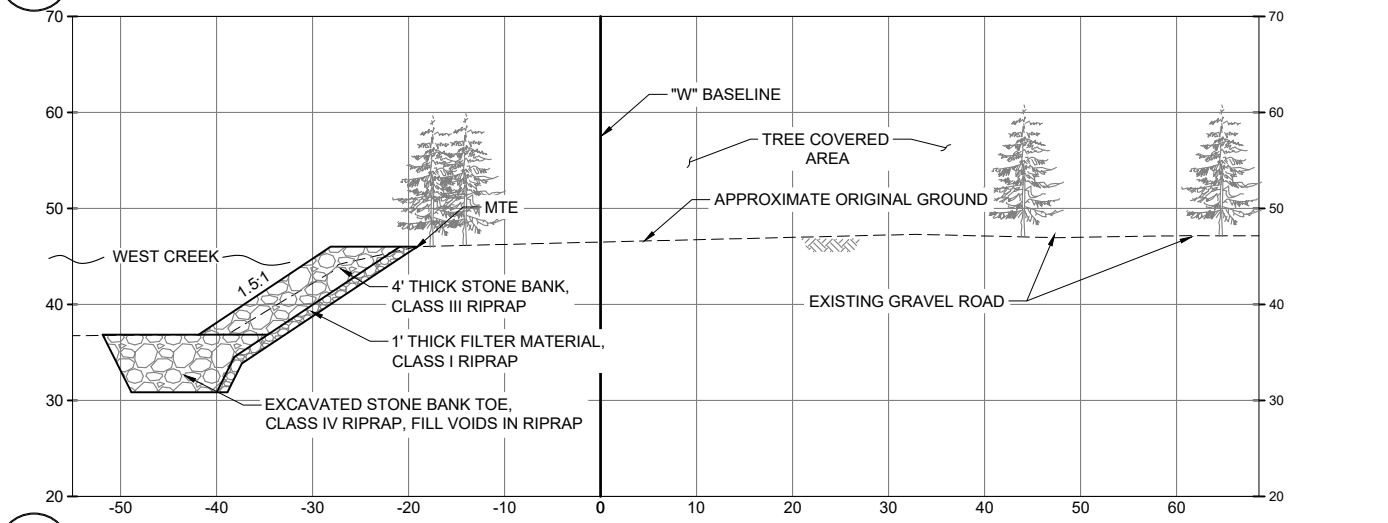
3 CROSS SECTION AT STATION 16+50.00

C302 SCALE: NTS



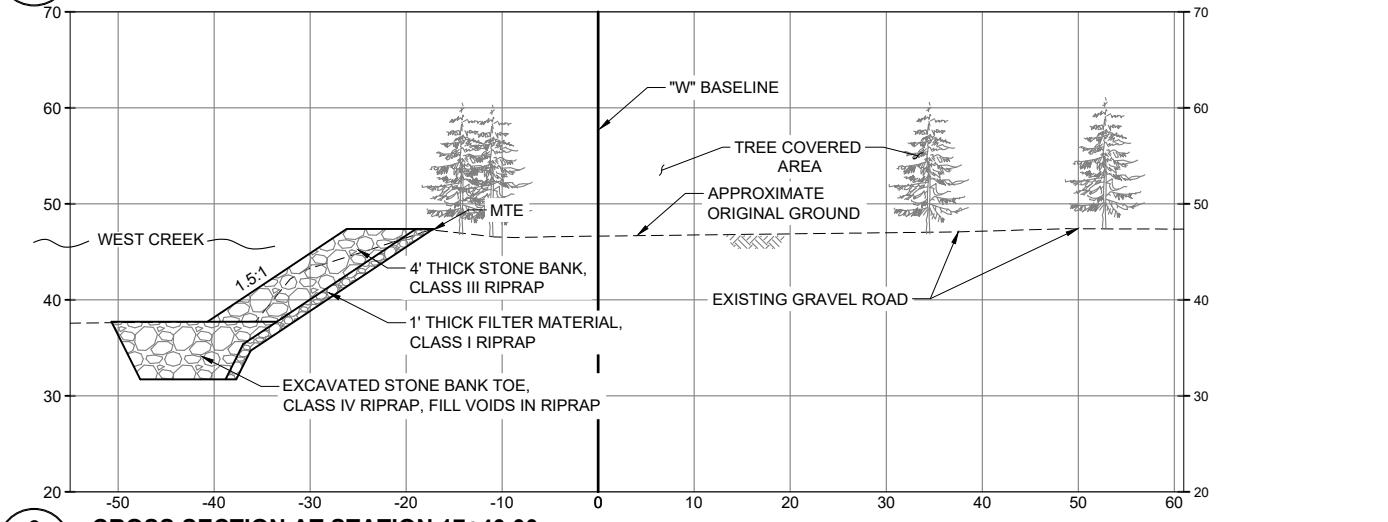
4 CROSS SECTION AT STATION 16+80

C302 SCALE: NTS



5 CROSS SECTION AT STATION 17+10.00

C302 SCALE: NTS



6 CROSS SECTION AT STATION 17+40.00

C302 SCALE: NTS

SHEET TITLE :
SITE CROSS SECTIONS

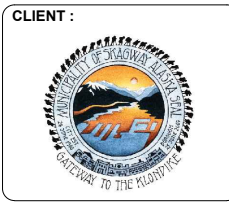
50% SUBMITTAL

PROJECT :
MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS

SKAGWAY, ALASKA

RESPEC

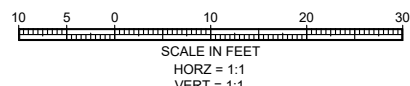
Juneau, AK
 9109 Mendenhall Mall Rd. Ste. 4
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 AECC163270



CLIENT :

DESIGN: JMP
 DRAWN: JMK
 CHECKED: JMK
 DATE: 05/13/2024

PROJECT No.
11014.24013
 SHEET NUMBER
C302

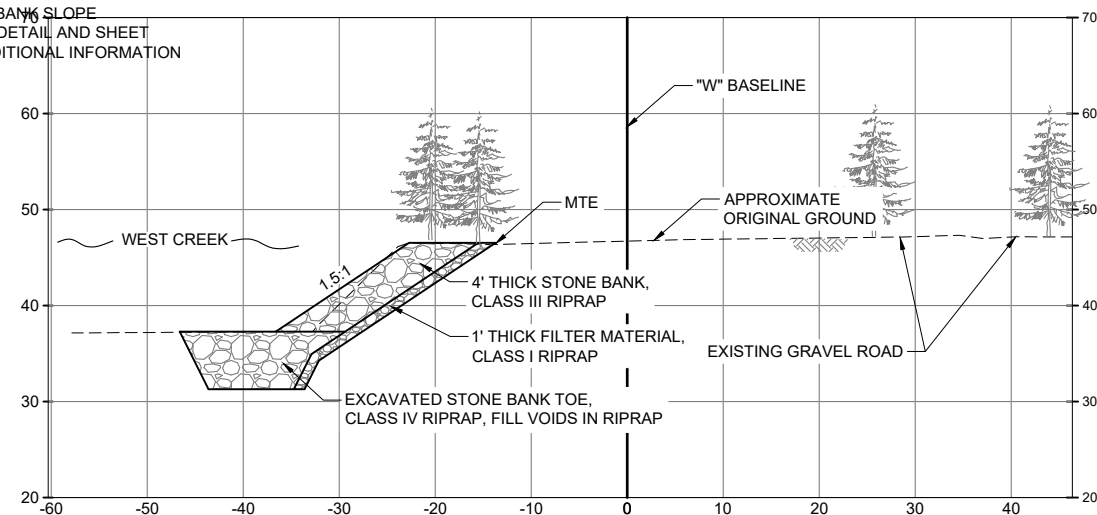


No.	Date	Item
REVISIONS		

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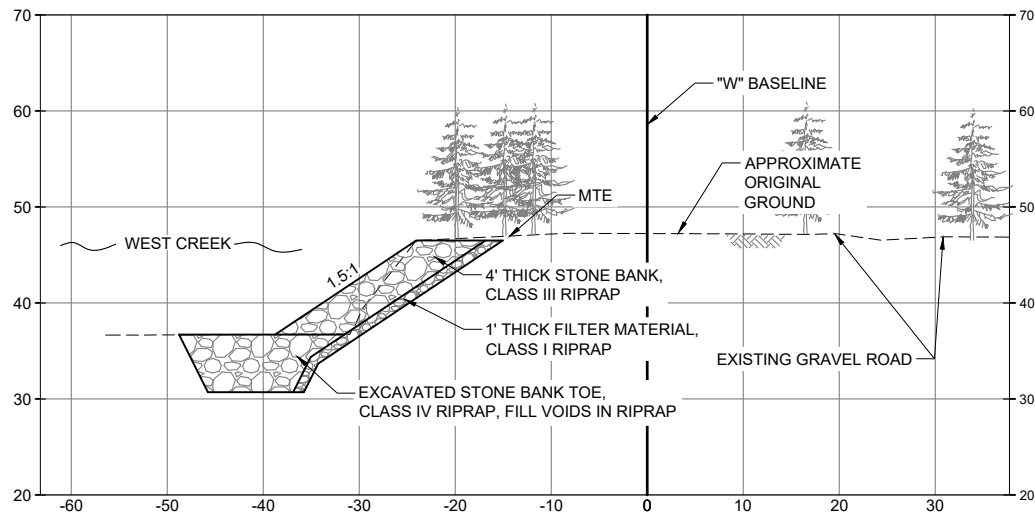
SHEET C303 NOTES:

- 1. SEE TYPICAL BANK SLOPE PROTECTION DETAIL AND SHEET C400 FOR ADDITIONAL INFORMATION



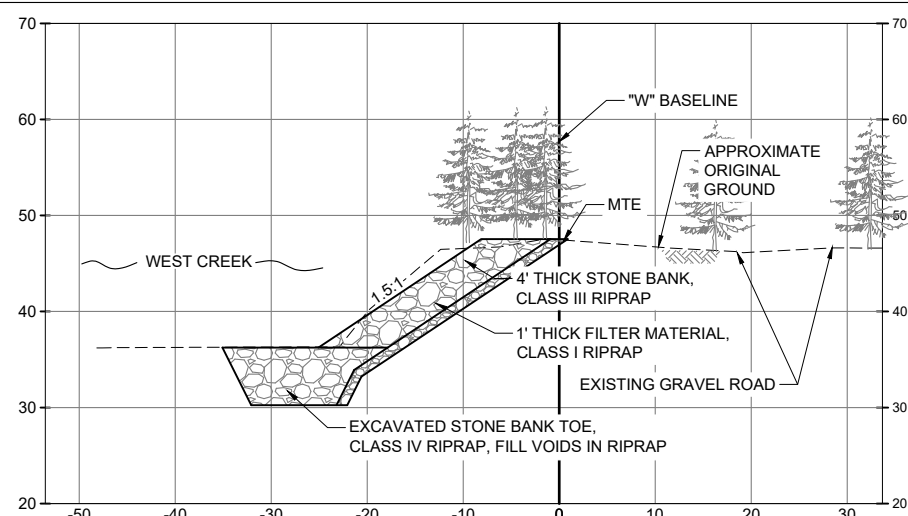
1 CROSS SECTION AT STATION 17+70.00

C303 SCALE: NTS



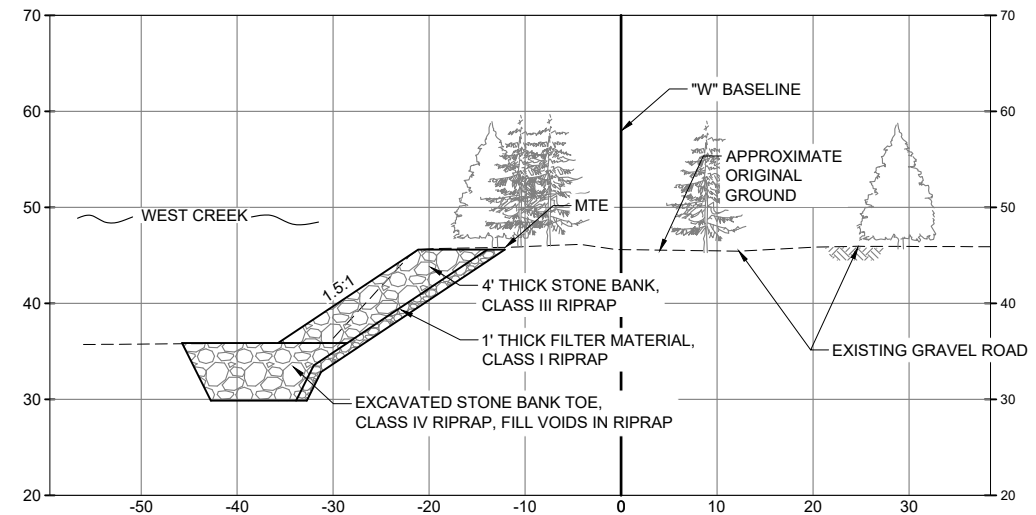
2 CROSS SECTION AT STATION 18+00.00

C303 SCALE: NTS



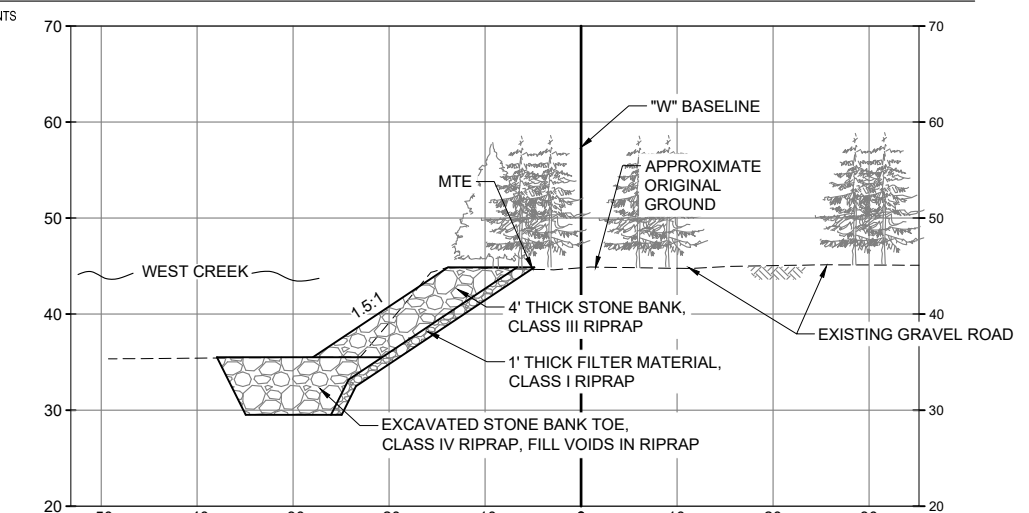
3 CROSS SECTION AT STATION 18+30.00

C303 SCALE: NTS



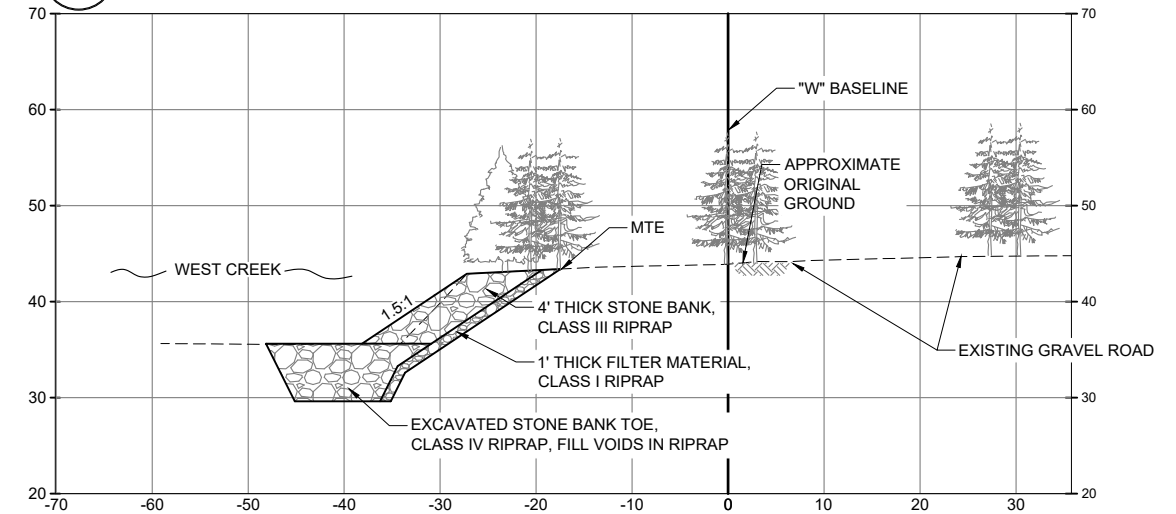
4 CROSS SECTION AT STATION 18+60.00

C303 SCALE: NTS



5 CROSS SECTION AT STATION 18+90.00

C303 SCALE: NTS



6 CROSS SECTION AT STATION 19+20.00

C303 SCALE: NTS

SHEET TITLE :
SITE CROSS SECTIONS

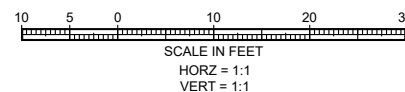
PROJECT :
MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS



DESIGN	JMP
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DATE	05/13/2024

PROJECT No.
11014.24013
SHEET NUMBER

C303

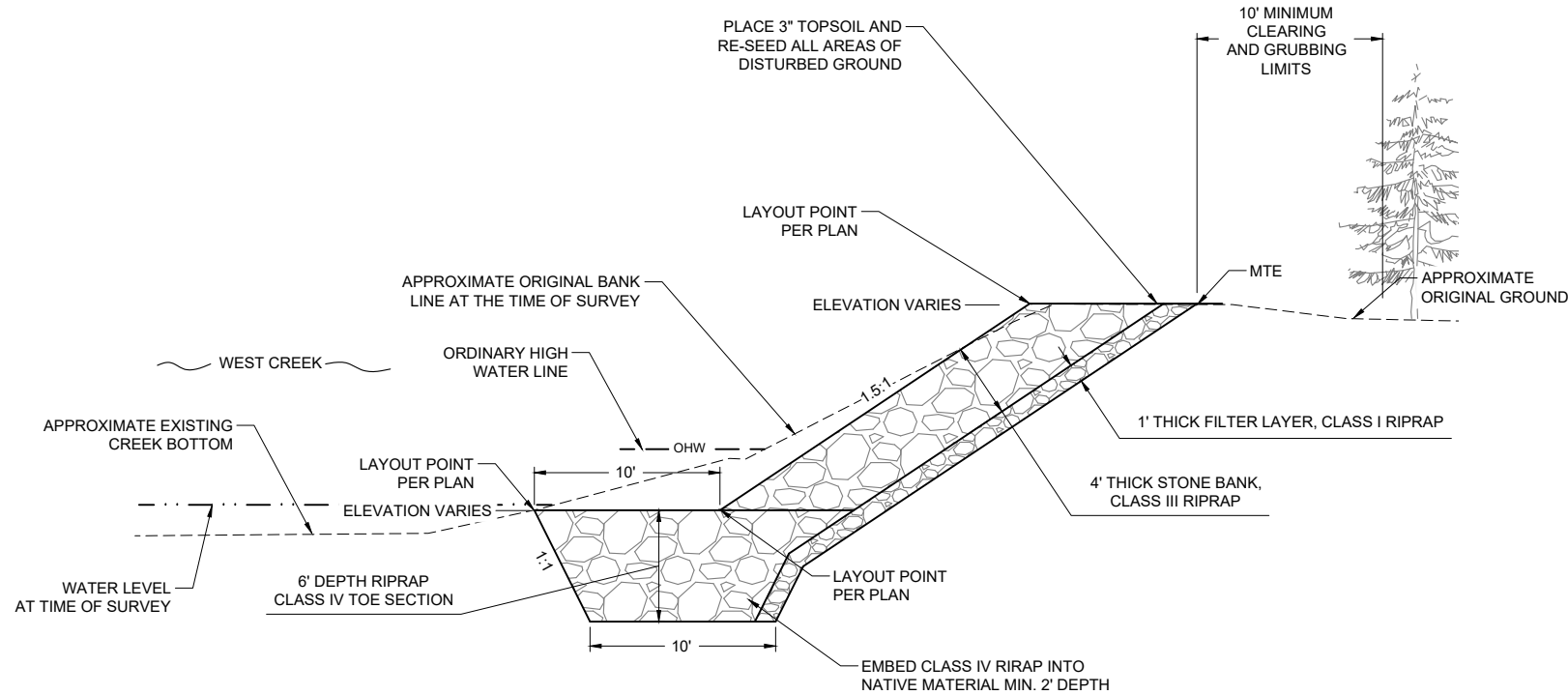


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REVISIONS		

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SKAGWAY, ALASKA

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



TYPICAL SECTION NOTES:

- STONE FOR THIS WORK SHALL BE HARD ANGULAR QUARRY STONES AND HAVE A PERCENTAGE OF WEAR OF NOT MORE THAN 50 AT 500 REVOLUTIONS AS DETERMINED BY ASTM C 535. THE LEAST DIMENSION OF ANY PIECE OF STONE SHALL BE NOT LESS THAN 1/4 ITS GREATEST DIMENSION STONES SHALL MEET THE FOLLOWING GRADATION REQUIREMENT FOR THE CLASS SPECIFIED.
- CLASS I RIPRAP:** NO MORE THAN TEN PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH MORE THAN 50 POUNDS PER PIECE, AND NO MORE THAN FIFTY PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH LESS THAN 25 POUNDS PER PIECE.
- CLASS II RIPRAP:** NO MORE THAN TEN PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH MORE THAN 400 POUNDS PER PIECE, AND NO MORE THAN FIFTEEN PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH LESS THAN 25 POUNDS PER PIECE. THE STONES SHALL BE EVENLY GRADED AND A MINIMUM OF 50% BY WEIGHT OF THE STONES SHALL WEIGH 200 POUNDS OR MORE PER PIECE.
- CLASS III RIPRAP:** NO MORE THAN TEN PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH MORE THAN 1,400 POUNDS PER PIECE, AND NO MORE THAN FIFTEEN PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH LESS THAN 25 POUNDS PER PIECE. THE STONES SHALL BE EVENLY GRADED AND A MINIMUM OF 50% BY WEIGHT OF THE STONES SHALL WEIGH 700 POUNDS OR MORE PER PIECE.
- CLASS IV RIPRAP:** NO MORE THAN TEN PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH MORE THAN 5,400 POUNDS PER PIECE, AND NO MORE THAN FIFTEEN PERCENT OF THE STONES BY TOTAL WEIGHT SHALL WEIGH LESS THAN 400 POUNDS PER PIECE. THE STONES SHALL BE EVENLY GRADED AND A MINIMUM OF 50% BY WEIGHT OF THE STONES SHALL WEIGH 2,000 POUNDS OR MORE PER PIECE.
- SLOPES TO BE PROTECTED WITH RIPRAP SHALL BE FREE OF BRUSH, TREES, STUMPS AND OTHER OBJECTIONABLE MATERIAL AND SHALL BE DRESSED TO A REASONABLY SMOOTH SURFACE.
- CLASS I RIPRAP FILTER LAYER SHALL BE PLACED PRIOR TO PLACING RIPRAP, AS SHOWN ON THE DRAWINGS.
- RIPRAP STONES SHALL BE HANDLED OR PLACED TO THE THICKNESS, HEIGHT AND LENGTH SHOWN ON THE DRAWINGS, OR AS STAKED WITH A MINIMUM OF VOIDS.
- UNDESIRABLE VOIDS WITHIN THE RIPRAP SHALL BE FILLED WITH SMALL STONES OR SPALLS. THE ROCK SHALL BE MANIPULATED SUFFICIENTLY BY MEANS OF A BULLDOZER, EXCAVATOR, ROCK TONGS OR OTHER SUITABLE EQUIPMENT TO SECURE A REASONABLY REGULAR SURFACE AND KEYED IN MASS STABILITY.
- RIPRAP PROTECTION SHALL BE PLACED TO ITS FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH MANNER AS TO AVOID DAMAGING THE FILTER LAYER OR DISPLACING THE UNDERLYING MATERIAL PLACING OF RIPRAP PROTECTION IN LAYERS OR BY DUMPING INTO CHUTES OR BY SIMILAR METHODS LIKELY TO CAUSE SEGREGATION WILL NOT BE PERMITTED.
- ALL RIPRAP SHALL BE SO PLACED AND DISTRIBUTED SUCH THAT THERE WILL BE NO LARGE ACCUMULATION OR AREA COMPOSED MAINLY OF EITHER THE LARGER OR SMALL SIZES OF STONE.
- THE CONTRACTOR SHALL PROVIDE A LEVEL, COMPACT AREA OF SUFFICIENT SIZE TO DUMP AND SORT TYPICAL LOADS OF RIPRAP AT AN APPROVED LOCATION AND SHALL DUMP LOADS AS SPECIFIED IN THIS AREA, AND SHALL ASSIST THE ENGINEER AS NEEDED TO SORT AND MEASURE THE STONES FOR THE PURPOSE OF DETERMINING IF THE RIPRAP IS WITHIN SPECIFICATIONS. MECHANICAL EQUIPMENT AS NEEDED TO ASSIST IN THIS SORTING SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL PHASE THE WORK AS SUCH TO MINIMIZE THE NEED FOR IN-WATER WORK AND REDUCE THE POTENTIAL FOR DISCHARGE OF SEDIMENT OR OTHER POLLUTANTS FROM THE WORK AREA TO ADJOINING WATER BODIES. IDEALLY WORK BELOW ORDINARY HIGH WATER (OHW) WILL BE PERFORMED DURING SEASONAL LOW FLOW CREEK CONDITIONS OF WEST CREEK.

1 TYPICAL BANK SLOPE PROTECTION DETAIL
C400 SCALE: NTS

NOTE - VIEW LOOKING DOWNSTREAM AHEAD IN STATIONING

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No.	Date	Item
REVISIONS		

SHEET TITLE :
CONSTRUCTION DETAILS

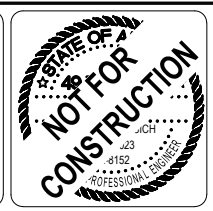
50% SUBMITTAL

PROJECT :
**MUNICIPALITY OF SKAGWAY
WEST CREEK LEVEE IMPROVEMENTS**

SKAGWAY, ALASKA

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