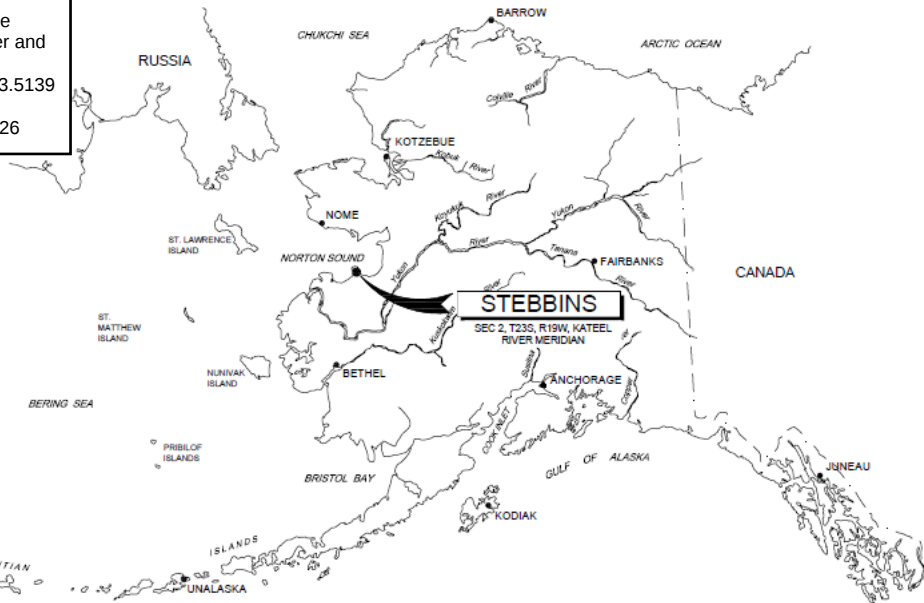


Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 1 of 42 Date: February 26, 2026



Applicant: City of Stebbins

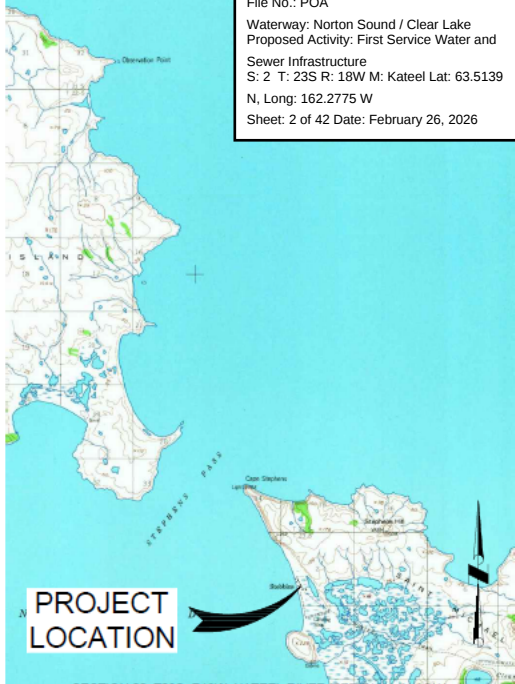
File No.: POA

Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure

S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139

N, Long: 162.2775 W

Sheet: 2 of 42 Date: February 26, 2026



PROJECT
LOCATION

SECTION 02, T23S, R19W, KATEEL RIVER MERIDIAN, ALASKA

VICINITY MAP

SCALE: 1" = 5200'

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water
and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat:
63.5139 N, Long: 162.2775 W
Sheet: 3 of 42 Date: February 26, 2026



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0 1"

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ADJUST SCALES ACCORDINGLY

**STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN**

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: ----
SHEET TITLE

**PHASE 1 PROJECT
SITE PLAN**

C-101

SHEET **2** OF **6**

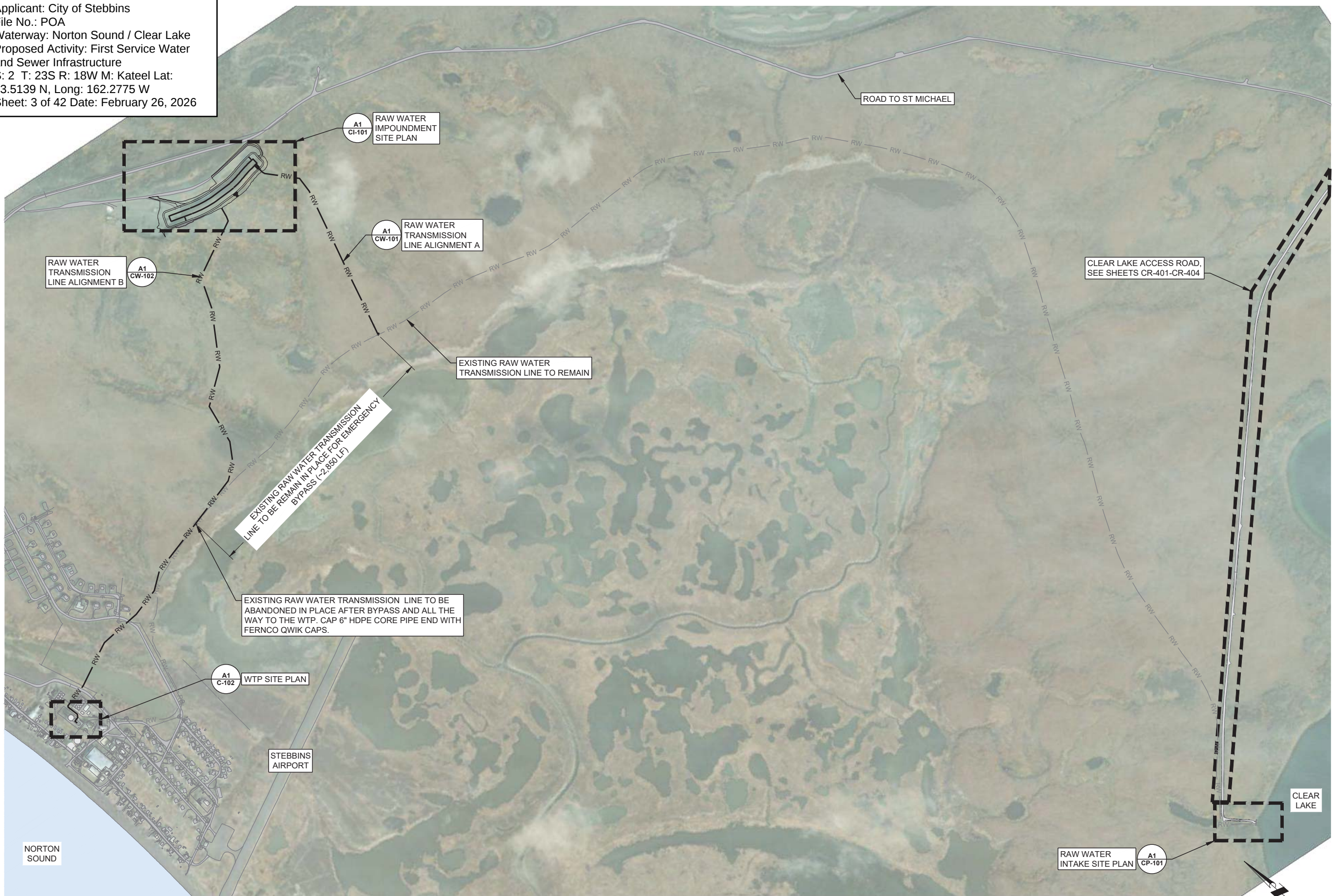
--- OF 161 TOTAL SHEETS

D

C

B

A



A1 PHASE 1 PROJECT SITE PLAN

1" = 500'

0 500' 1000'


$$1'' = 20'$$

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139 N, Long: 162.2775 W
Sheet: 5 of 42 Date: February 26, 2026

NOTES:

1. THE INTAKE CASING SHALL BE INSTALLED STRAIGHT AND WITH NO DEFLECTIONS GREATER THAN 6 INCHES IN 20 FT TO ENSURE THE WELL PUMP CAN BE INSTALLED AND REMOVED WITHOUT BINDING. PUMP INSTALLATION AND REMOVAL SHALL BE WITNESSED BY OWNER AND ENGINEER PRIOR TO FINAL INSPECTION. ANY OBSTRUCTION OR MISALIGNMENT MAY REQUIRE CORRECTIVE ACTION AT THE CONTRACTOR'S EXPENSE.



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					INIT
					DESCRIPTION
					DATE
					MRK

PLAN SET:	WBB-24-017
PROJ MGR:	CC
PROJ ENG:	NP/JM
DRUMS ENG:	ANTHC
DRAWN BY:	TF
SHEET TITLE	

INTAKE CASING PROFILE

CP-301

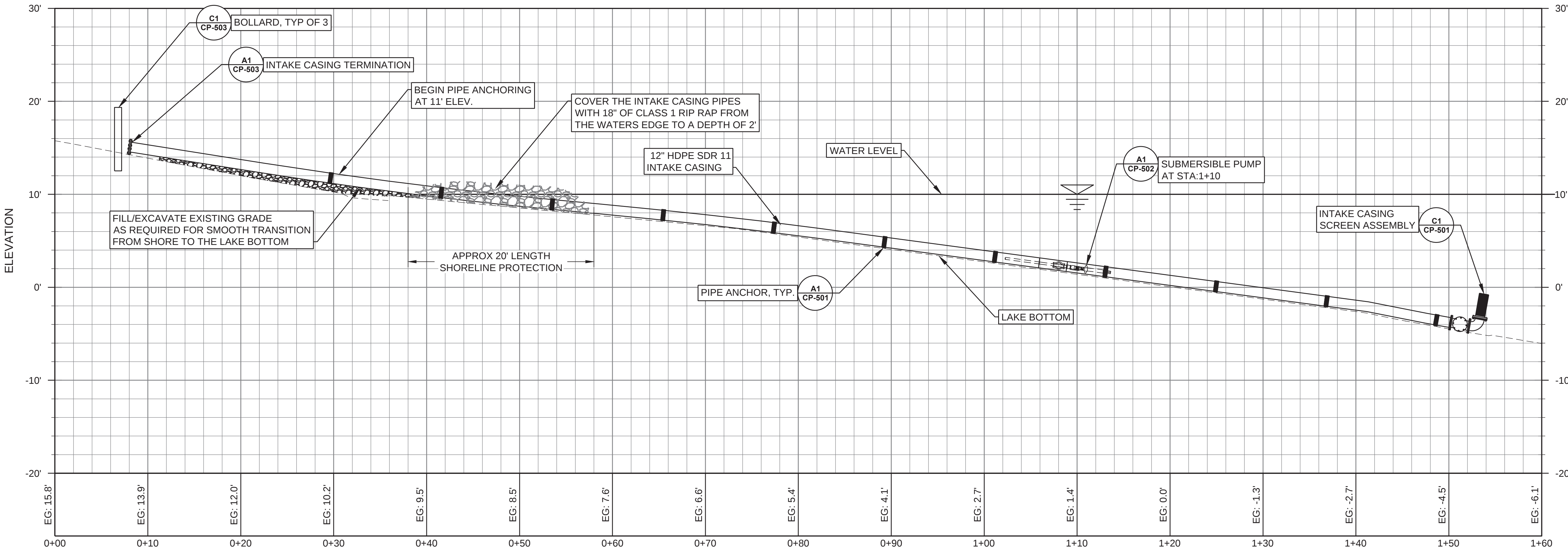
SHEET 2 OF 5

D

C

B

A



A1 INTAKE CASING PROFILE
NTS

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 6 of 42 Date: February 26, 2026

PLAN VIEW

12" HDPE SDR 11 INTAKE CASING

12" X 6" D.I. ECCENTRIC REDUCER

12" HDPE SDR 11 FLANGE ADAPTOR WITH TYPE 316 SS BACKING RING

12" X 2.5' DRUM-STYLE WEDGE-WIRE INTAKE SCREEN W/ WELDED TOP CAP

6" X 12" D.I. 90° REDUCING BEND

6" X 4" D.I. REDUCING CROSS

4" D.I. PIPE SPOOL, TYP OF 2

4" D.I. BLIND FLANGE, TYP OF 2

24" TYP.

ELEVATION VIEW

12" HDPE SDR 11 INTAKE CASING

12" X 6" D.I. ECCENTRIC REDUCER

12" HDPE SDR 11 FLANGE ADAPTOR WITH TYPE 316 SS BACKING RING

4" D.I. BLIND FLANGE, TYP OF 2

6" X 12" D.I. 90° REDUCING BEND

6" X 4" D.I. REDUCING CROSS

12" X 3' DRUM-STYLE WEDGE-WIRE INTAKE SCREEN W/ WELDED TOP CAP, 316L STAINLESS STEEL, 0.125" SLOT, NO. 30 WIRE, DESIGNED FOR MAX 300 GPM FLOW (TYP)

NOTES:

1. ALL PIPE FITTINGS, GASKETS, AND FASTENERS SHALL BE NSF STANDARD 61 LISTED OR MADE WITH STAINLESS STEEL

2. ALL FLANGE BOLTS/FASTENERS SHALL BE TYPE 316 SS, INSTALL FLANGES WITH FULL FACE GASKETS.

3. THE 12-INCH HDPE INTAKE CASING PIPE PROVIDES TOLERANCE FOR CASING DEFLECTION DURING PUMP INSTALLATION. THE REDUCTION TO 6 INCHES AT THE TERMINUS MINIMIZES COMPONENT WEIGHT AND COST. THE CROSS BRACE STABILIZES THE SCREEN ASSEMBLY AND MAINTAINS VERTICAL ALIGNMENT.

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STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN

MRK

DATE

DESCRIPTION

INIT

PLAN SET: WBB-24-017

PROJ MGR: CC

PROJ ENG: NP/JM

DRUMS ENG: ANTHC

DRAWN BY: TF

SHEET TITLE

INTAKE CASING
SCREEN AND ANCHOR
DETAILS

CP-501

SHEET 3 OF 5

C1

INTAKE CASING SCREEN ASSEMBLY

NTS

CAST IRON (TYP)

4" (TYP)

6"

1" BOLT HOLE (TYP)

R6-5/8"

BOLT AND DIELECTRIC (TYP)

3"

1/4"

1/2"

WRAP 12" INTAKE CASING PIPE WITH 1/8" x 6" EPDM SHEET RUBBER AROUND FULL CIRCUMFERENCE TO AID IN FIT

3/4" SS 316 FLAT WASHER (1 7/8" OD)

3/4" x 2" NYLON FLAT WASHER

3/4" - 10 x 7", HEX HEAD, COARSE THREADED, SS 316 BOLT

3/4" x 2.375" NYLTITE HEADED SLEEVE (0.81" OD)

3/4" x 2" NYLON FLAT WASHER

3/4" SS 316 FLAT WASHER (1 7/8" OD), LOCKING WASHER AND HEX NUT, ALL SS 316

3/4" SS 316 FLAT WASHER (1 7/8" OD)

NOTES:

1. TARGET TOTAL WEIGHT PER ANCHOR (BOTH HALVES) IS 290 LBS.

2. PROVIDE ANCHOR SHOP DRAWINGS FOR ENGINEER APPROVAL PRIOR TO FABRICATION.

12'

A1

INTAKE CASING ANCHOR DETAIL

NTS

USER: TFRANCIS PRODUCT: Autocad Civil 3D 2023 - English

FILE: j:\JobsData\30308.09 anthc - stebbins piped water and sewer\00 CADD\01 working set\Phase 1\01 Civil\WBB-C-DTINTK-.dwg

LAYOUT: CP-501 INTAKE CASING SCREEN AND ANCHOR DETAILS

PRINTED: 1/14/2026 10:02:07 AM

---- OF 161 TOTAL SHEETS



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PHASE 1 - WATER SUPPLY
95% DESIGN

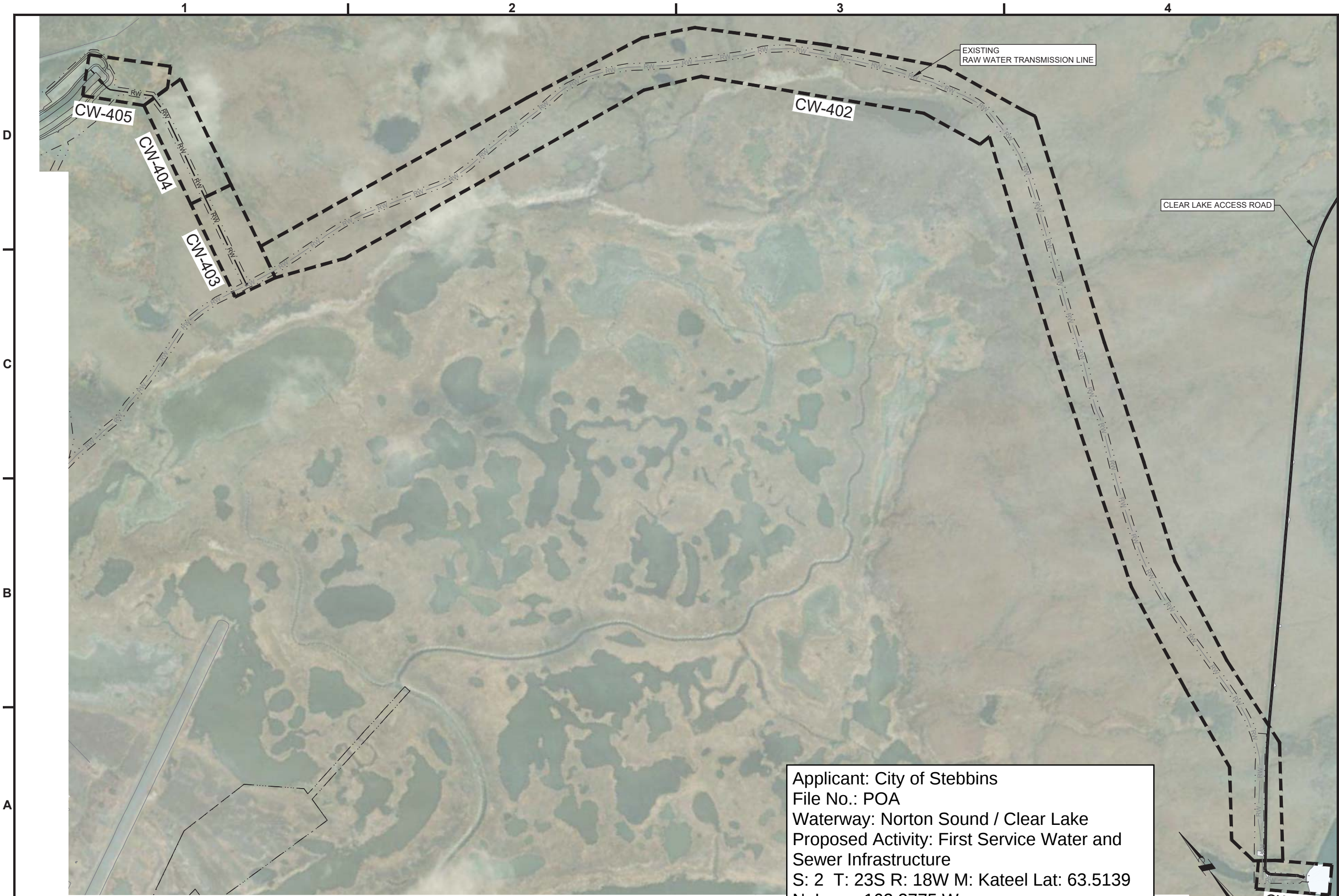
MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM
SHEET TITLE

RWTL KEY MAP -
ALIGNMENT A

CW-101

SHEET 1 OF 20



Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 7 of 42 Date: February 26, 2026

A1 RWTL KEY MAP - ALIGNMENT A
1"=400'



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1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM
SHEET TITLE

RWTL KEY MAP -
ALIGNMENT B

CW-102

SHEET 2 OF 20



Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 8 of 42 Date: February 26, 2026

A1 RWTL KEY MAP - ALIGNMENT B
1" = 200'



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PHASE 1 - WATER SUPPLY
95% DESIGN

MRK DATE DESCRIPTION INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM

SHEET TITLE
RWTL ALIGNMENT A -
P&P - STA 0+00 TO 6+00

CW-401

SHEET 3 OF 20

OF 161 TOTAL SHEETS



VICINITY MAP

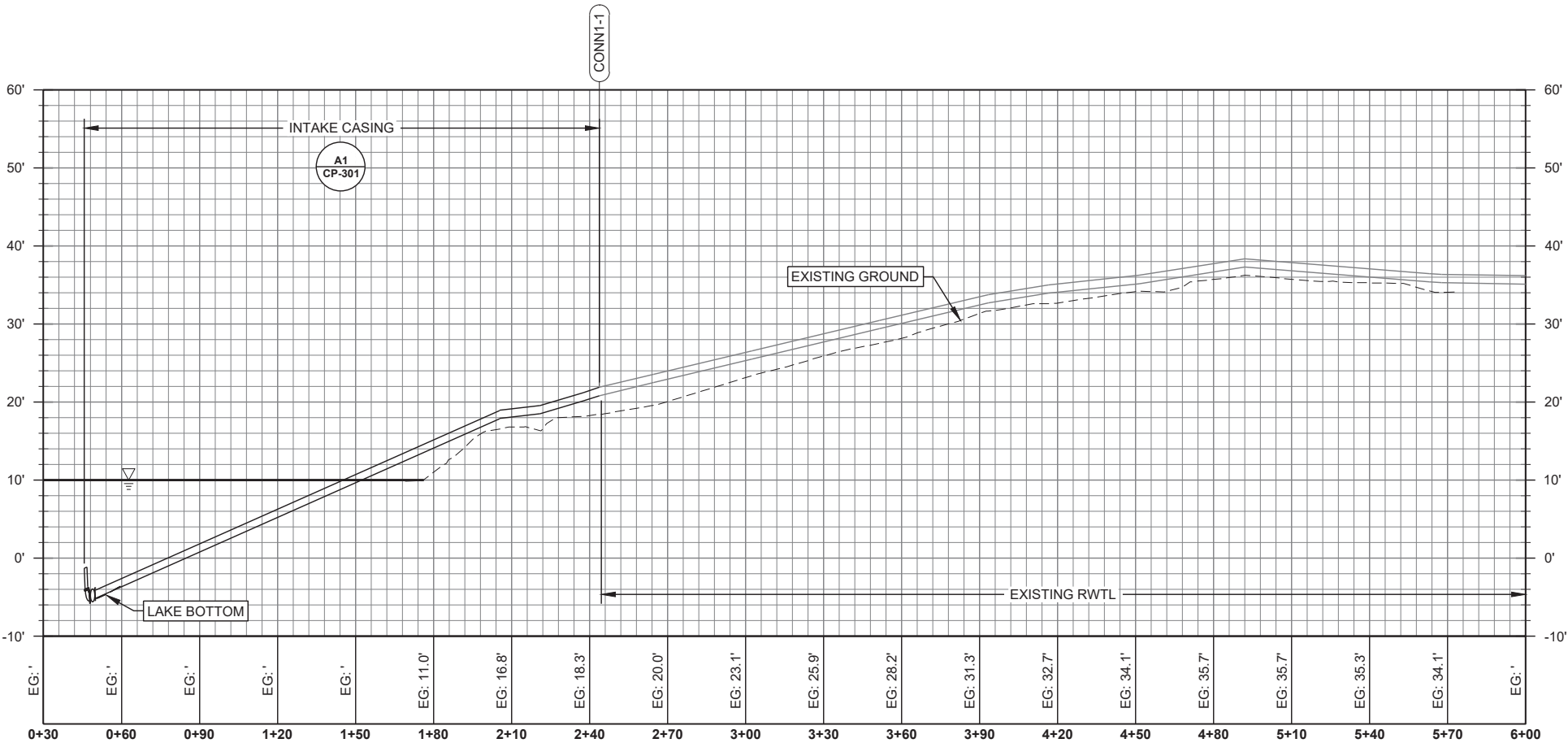
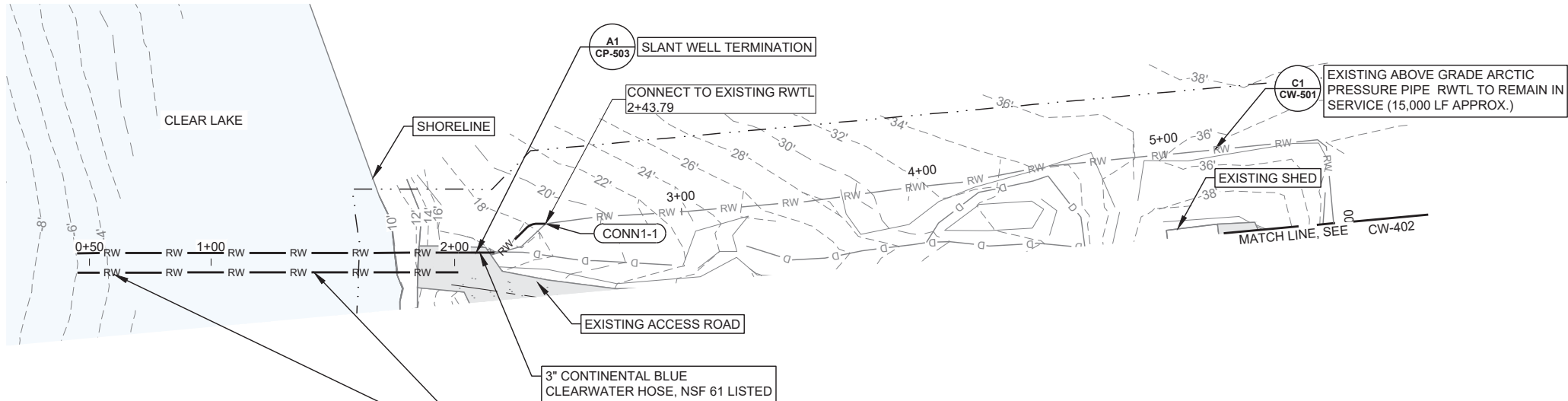
SCALE: 1" = 1000'

NOTES:

1. FIELD VERIFY ALL BURIED, ABOVE GRADE, AND OVERHEAD WATER, SEWER, ELECTRIC, HEAT RECOVERY, FUEL, AND COMMUNICATION UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CALL ALASKA DIG LINE (811) AND COORDINATE WITH THE CITY OF STEBBINS PRIOR TO CONSTRUCTION.
2. USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
3. ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.
4. RWTL ALIGNMENT "A" IS DEFINED BETWEEN STATIONS 2+00 TO 175+00 STARTING AT CLEAR LAKE (THIS SHEET) AND TERMINATING AT THE RAW WATER IMPOUNDMENT ON SHEET CW-405.

MAJOR STRUCTURES			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
CONN1-1	2+43.8	6" FLANGE X 3" MALE CAMLOCK (SEE A4/CP-503)	N=1294662.7 E=652587.8

Applicant: City of Stebbins
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S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139 N, Long: 162.2775 W
Sheet: 9 of 42 Date: February 26, 2026



A1 RWTL ALIGNMENT A - P&P - STA 0+00 TO 6+00

HORZ. SCALE 1" = 30'
VERT. SCALE 1" = 10'



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STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM

SHEET TITLE
RWTL ALIGNMENT A -
P&P - STA 6+00 TO
149+00

CW-402

SHEET 4 OF 20

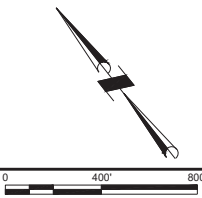
NOTES:

1. ALIGNMENT PROVIDED FOR
REFERENCE ONLY. NO PROPOSED
WORK ON THIS SECTION OF RAW
WATER TRANSMISSION LINE.



Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
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S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 10 of 42 Date: February 26, 2026

A1 RWTL ALIGNMENT A - P&P - STA 6+00 TO 149+00
1"=400'





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PHASE 1 - WATER SUPPLY
95% DESIGN

INIT

DESCRIPTION

DATE

MRK

PLAN SET: WBB-24-017

PROJ MGR: CC

PROJ ENG: NP/JM

DRUMS ENG: ANTHC

DRAWN BY: JM

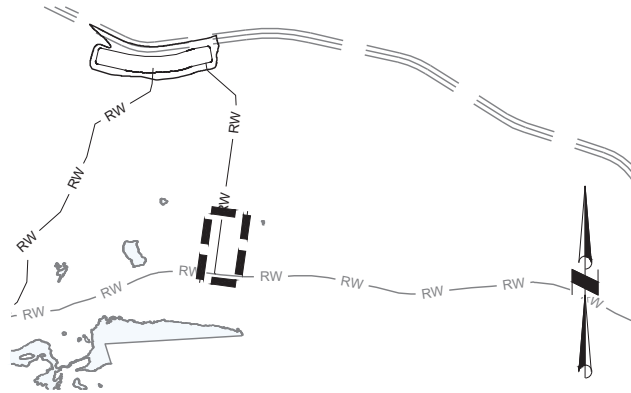
SHEET TITLE

RWTL ALIGNMENT A -
P&P - STA 149+00 TO
158+00

CW-403

SHEET 5 OF 20

--- OF 161 TOTAL SHEETS



VICINITY MAP

SCALE: 1" = 1000'

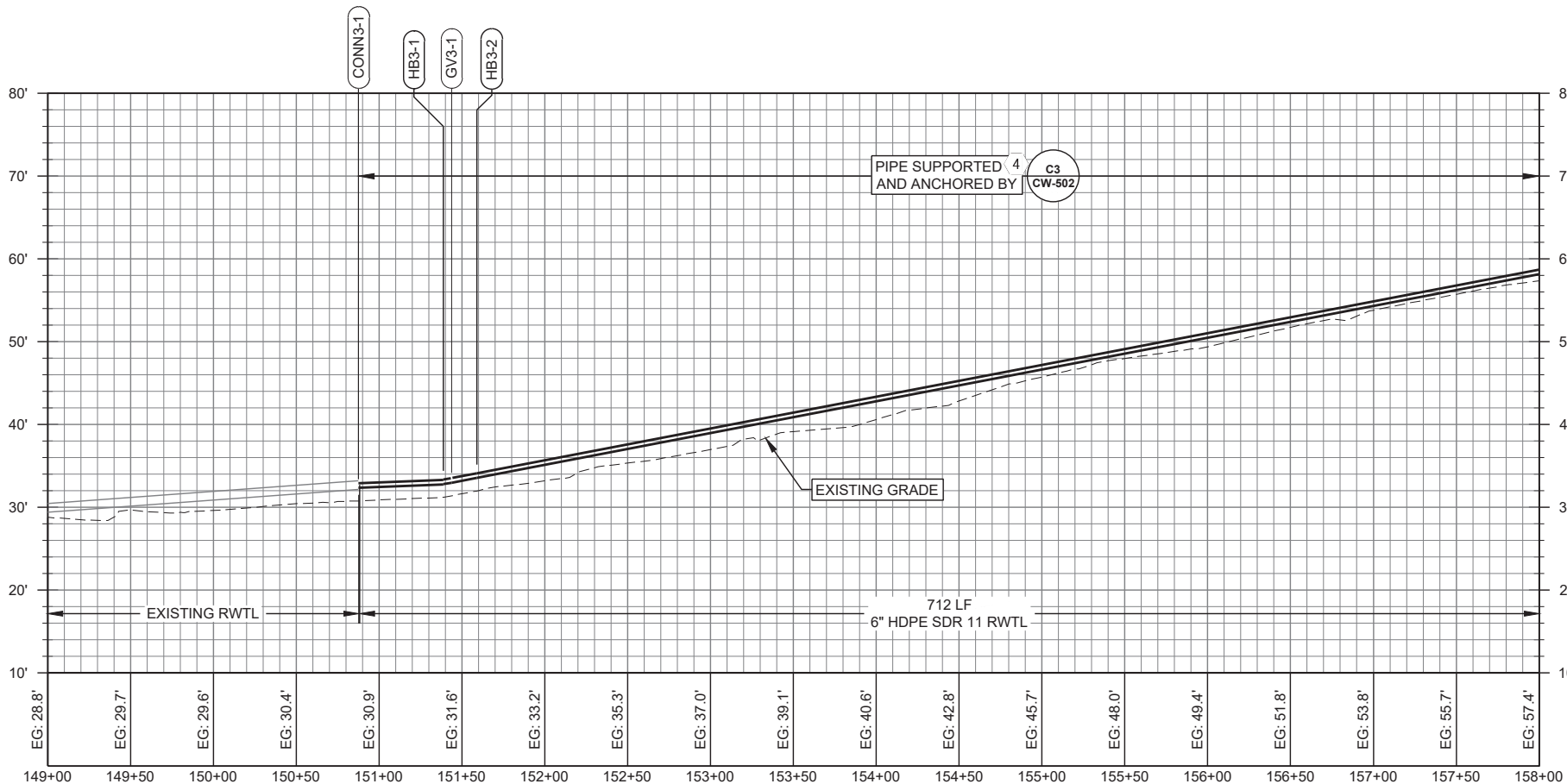
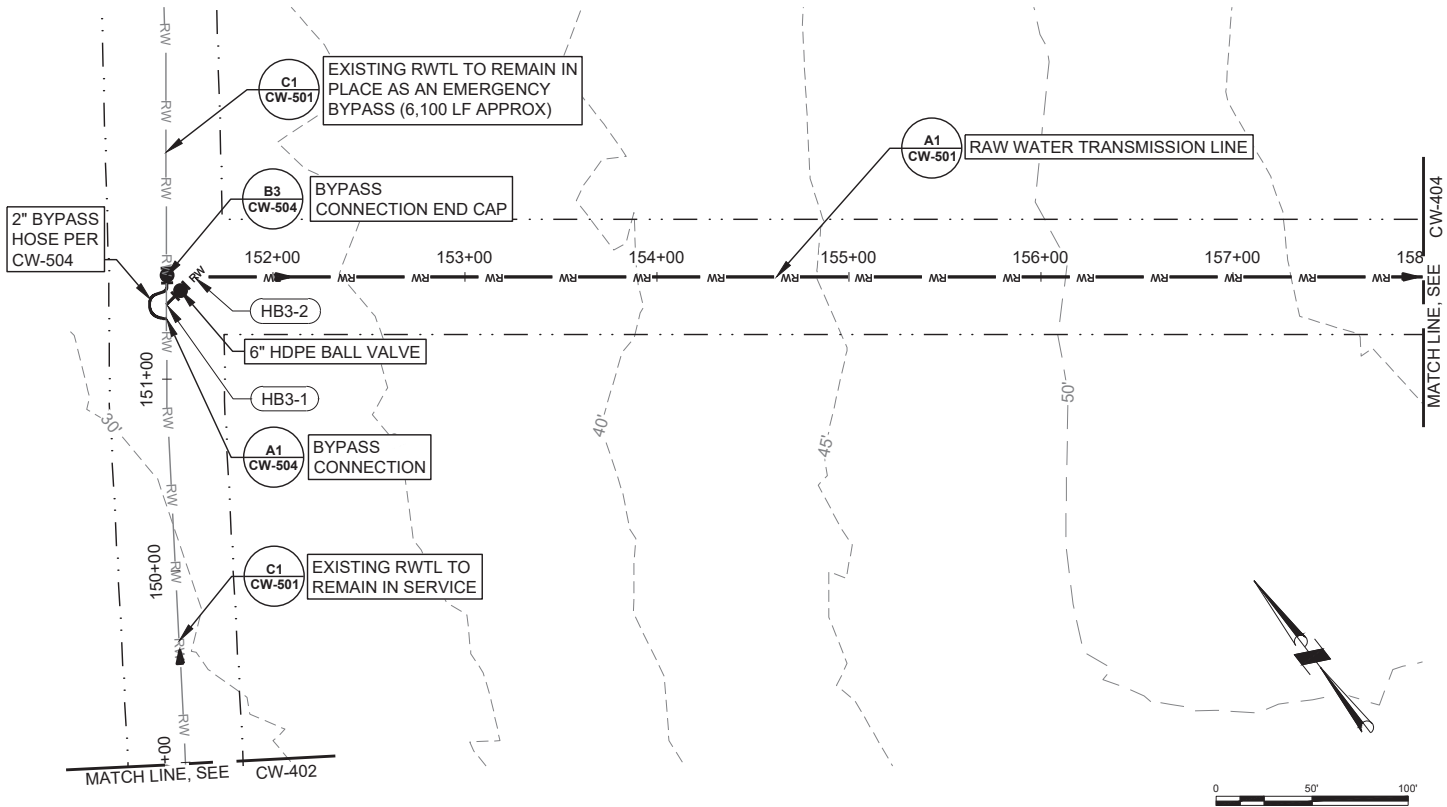
NOTES:

- FIELD VERIFY ALL BURIED, ABOVE GRADE, AND OVERHEAD WATER, SEWER, ELECTRIC, HEAT RECOVERY, FUEL, AND COMMUNICATION UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CALL ALASKA DIG LINE (811) AND COORDINATE WITH THE CITY OF STEBBINS PRIOR TO CONSTRUCTION.
- USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
- ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.
- 4 BARE HDPE PIPE TO BE LAID ON EXISTING GRADE. PLACE DUCKBILL ANCHORS 20 FEET ON CENTER.

MAJOR STRUCTURES

ID NUMBER	STATION	DESCRIPTION	COORDINATES
CONN3-1	150+87.6	CONNECT TO EXISTING RWTL	N=1304152.0 E=647744.7
HB3-1	151+38.7	6" HDPE MOLDED WYE	N=1304158.7 E=647694.0
GV3-1	151+43.7	6" HDPE BALL VALVE	N=1304162.7 E=647691.0
HB3-2	151+59.0	6" HDPE 45° FITTING	N=1304174.9 E=647681.7

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
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S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
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A1 RWTL ALIGNMENT A - P&P - STA 149+00 TO 158+00

HORZ. SCALE 1" = 50'
VERT. SCALE 1" = 10'



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PHASE 1 - WATER SUPPLY
95% DESIGN

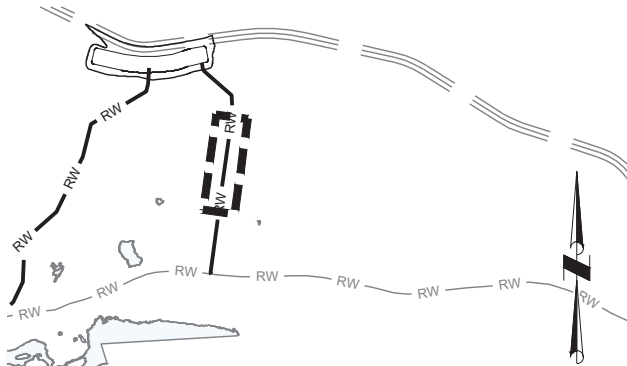
MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM

SHEET TITLE
RWTL ALIGNMENT A -
P&P - STA 158+00 TO
168+00

CW-404

SHEET 6 OF 20

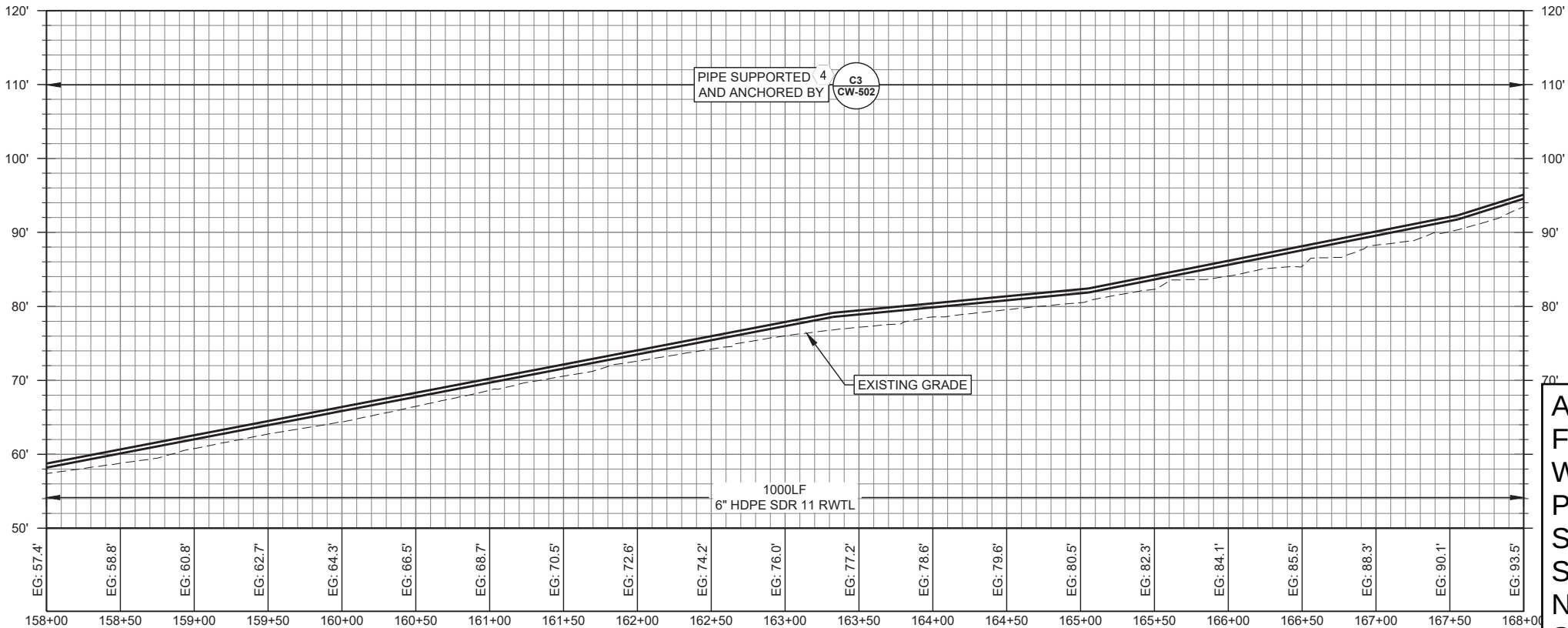
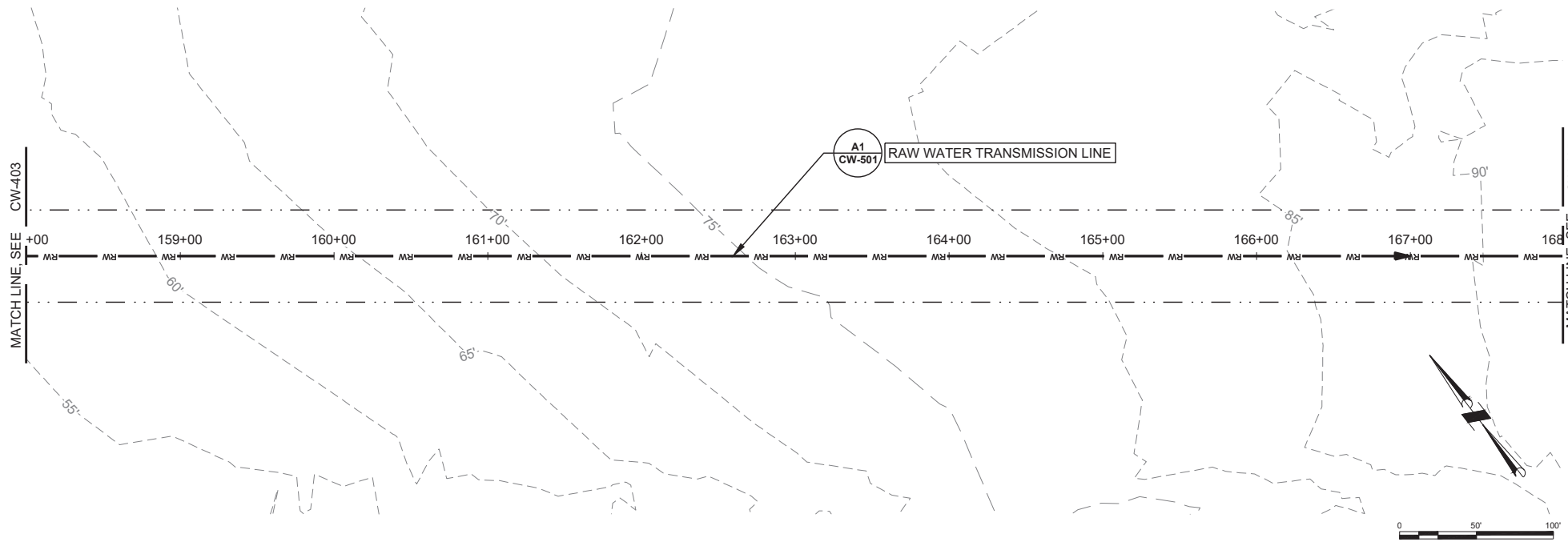


VICINITY MAP

SCALE: 1" = 1000'

NOTES:

1. FIELD VERIFY ALL BURIED, ABOVE GRADE, AND OVERHEAD WATER, SEWER, ELECTRIC, HEAT RECOVERY, FUEL, AND COMMUNICATION UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CALL ALASKA DIG LINE (811) AND COORDINATE WITH THE CITY OF STEBBINS PRIOR TO CONSTRUCTION.
 2. USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
 3. ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.
- 4 BARE HDPE PIPE TO BE LAID ON EXISTING GRADE. PLACE DUCKBILL ANCHORS 20 FEET ON CENTER.



A1 RWTL ALIGNMENT A - P&P - STA 158+00 TO 168+00

HORZ. SCALE 1" = 50'
VERT. SCALE 1" = 10'

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
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S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
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95% DESIGN

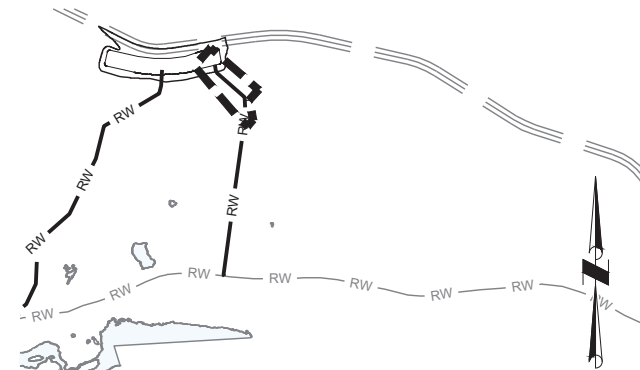
MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM

SHEET TITLE
RWTL ALIGNMENT A -
P&P - STA 168+00 TO
175+50

CW-405

SHEET 7 OF 20



VICINITY MAP

SCALE: 1" = 1000'

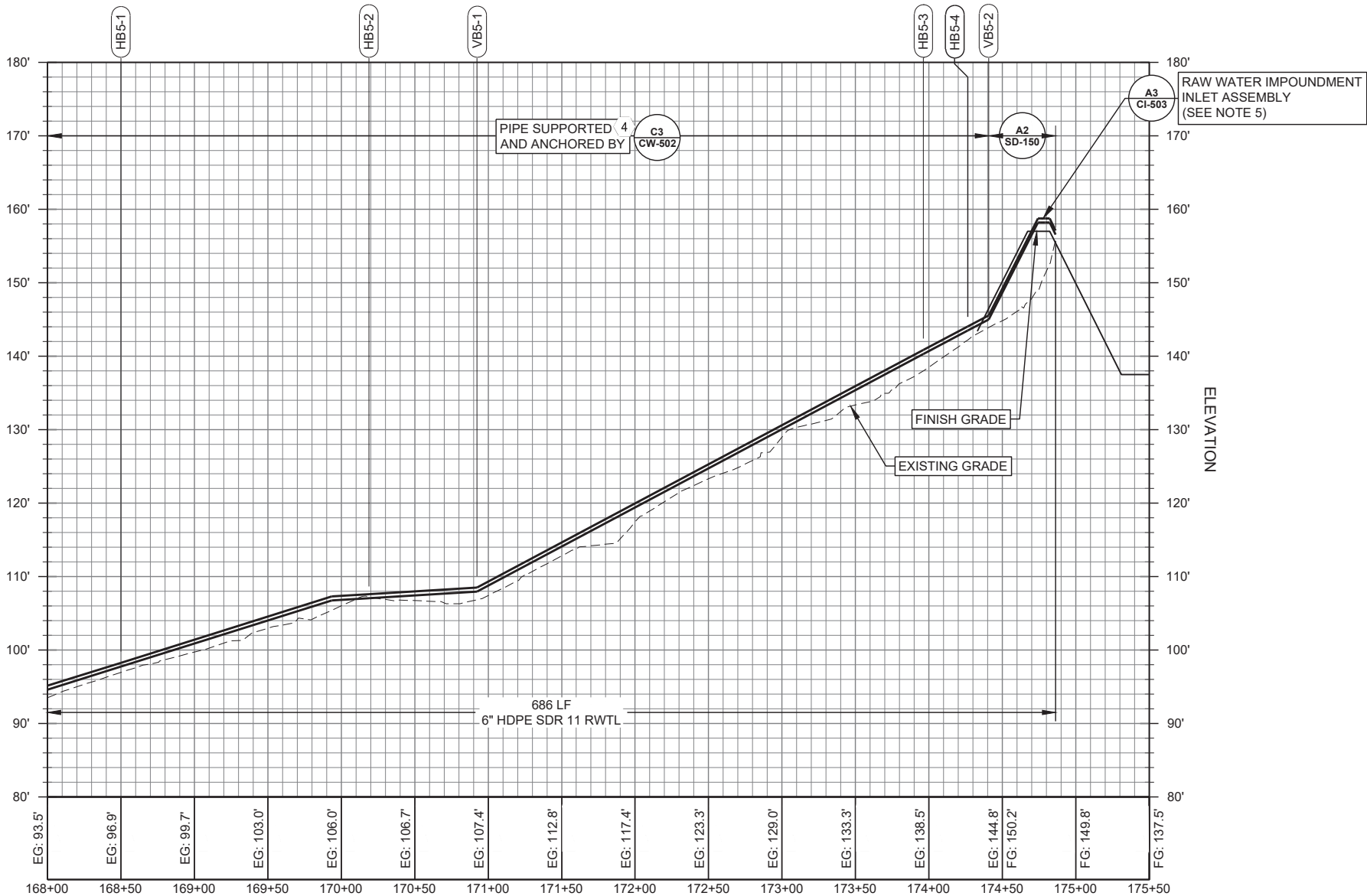
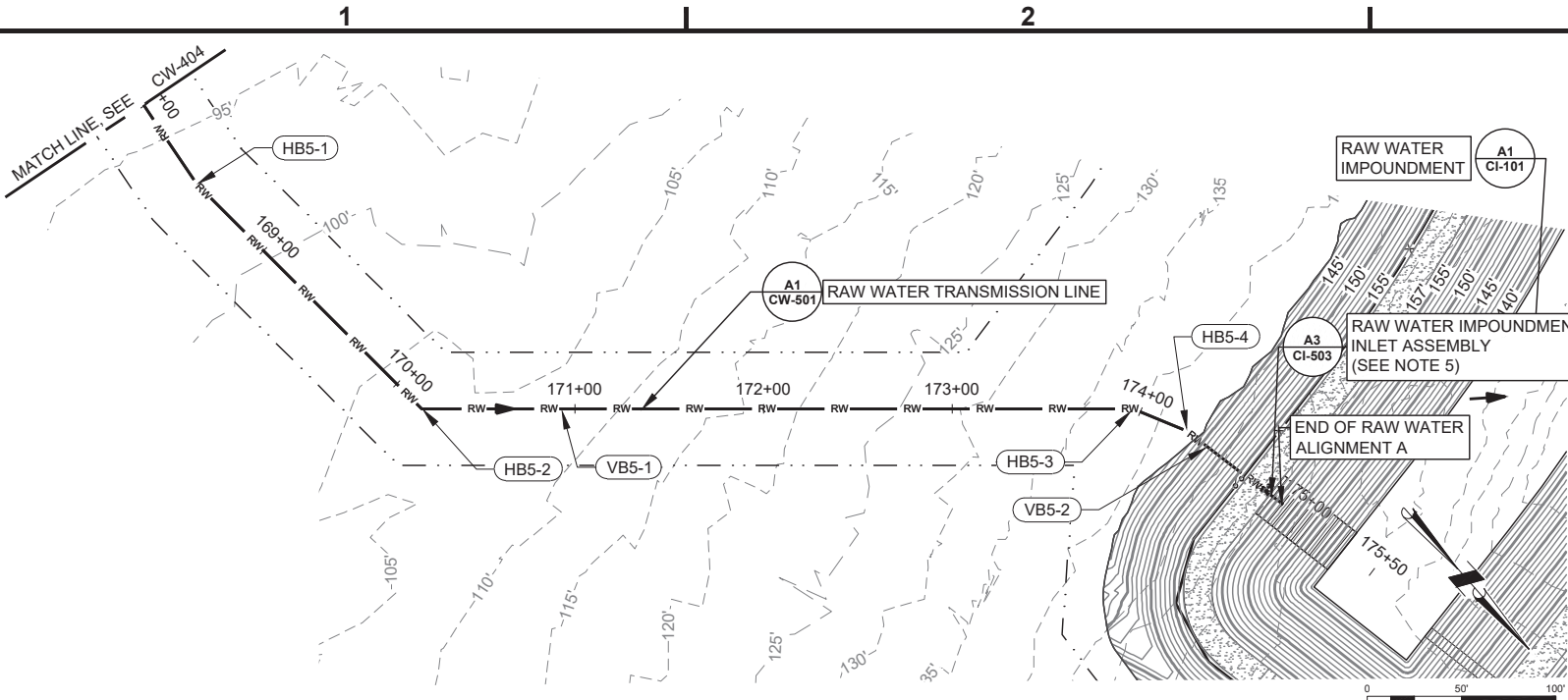
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- BARE HDPE PIPE TO BE LAID ON EXISTING GRADE. PLACE DUCKBILL ANCHORS 20 FEET ON CENTER.
- METER ASSEMBLY TO BE REMOVED AT THE END OF THE PUMPING SEASON STORED IN A WARM BUILDING OVER THE WINTER AND REINSTALL THE METER PRIOR TO PUMPING WATER EACH SPRING/SUMMER.

Applicant: City of Stebbins
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S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 13 of 42 Date: February 26, 2026

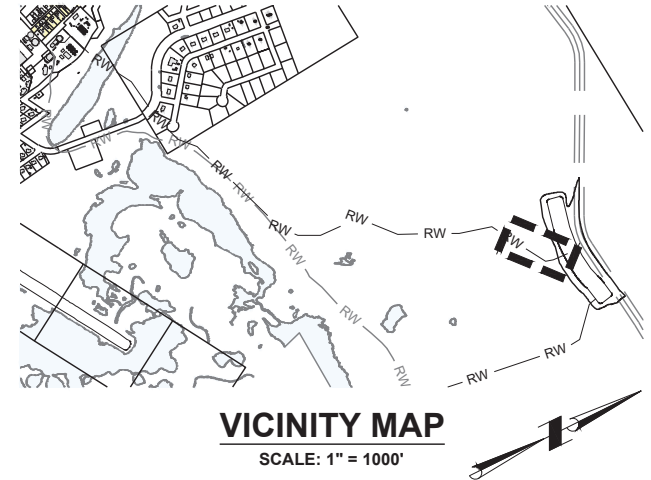
MAJOR STRUCTURES

ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB5-1	168+50.0	11.25° FITTING	N=1305850.4 E=647909.7
HB5-2	170+18.7	45° FITTING	N=1306018.8 E=647899.4
VB5-1	170+92.5	5.36° FITTING	N=1306067.7 E=647844.2
HB5-3	173+96.2	11.25° FITTING	N=1306268.9 E=647616.7
HB5-4	174+26.4	11.25° FITTING	N=1306296.1 E=647603.5
VB5-2	174+40.6	11.25° FITTING	N=1306310.0 E=647600.7



A1 RWTL ALIGNMENT A - P&P - STA 168+00 TO 175+50

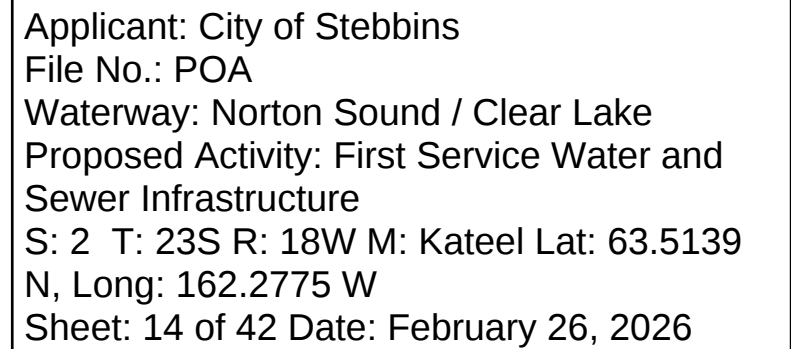
HORZ. SCALE 1" = 50'
VERT. SCALE 1" = 10'



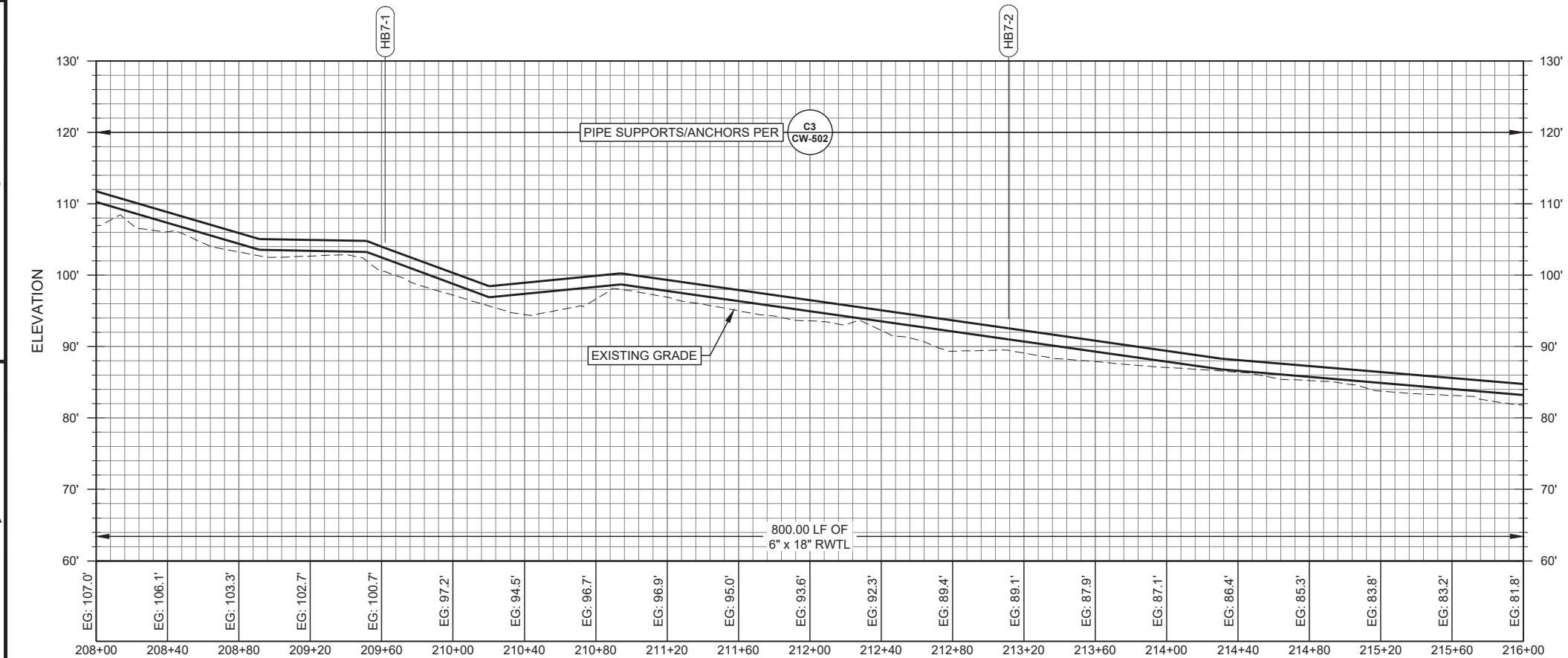
SCALE: 1" = 1000'

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2. USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
3. ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.
4. PIPES ARE SHOWN STRAIGHT WITHOUT DEFLECTION. SEE "MAJOR STRUCTURES" TABLE FOR VERTICAL BEND ANGLES. CONTRACTOR TO DECIDE IF ANGLES REQUIRE CUSTOM FITTINGS OR CAN BE ACCOMMODATED BY PIPE BENDING RADIUS AND MINOR FUSED JOINT DEFLECTIONS.
5. ALIGNMENT MEASUREMENT SHOWN FOR A SINGLE LINE; HOWEVER, TWO PARALLEL RAW WATER LINES SHALL BE CONSTRUCTED THROUGH THE BERM. CONTRACTOR SHALL ACCOUNT FOR THE ADDITIONAL PIPE LENGTH WHEN CALCULATING TOTAL PIPE QUANTITIES.

MAJOR STRUCTURES 4			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB6-01	201+42.5	ARCTIC 45 DEG PRESSURE FITTING	N=1306212.5 E=647022.3
MH6-1	201+42.5	SERVICE MANHOLE AND SHUTOFF VALVE	N=1306212.2 E=647028.8
HB6-1	202+48.1	ARCTIC 11.25° PRESSURE FITTING	N=1306106.8 E=647023.0
HB6-2	202+97.8	ARCTIC 45° PRESSURE FITTING	N=1306058.7 E=647010.7

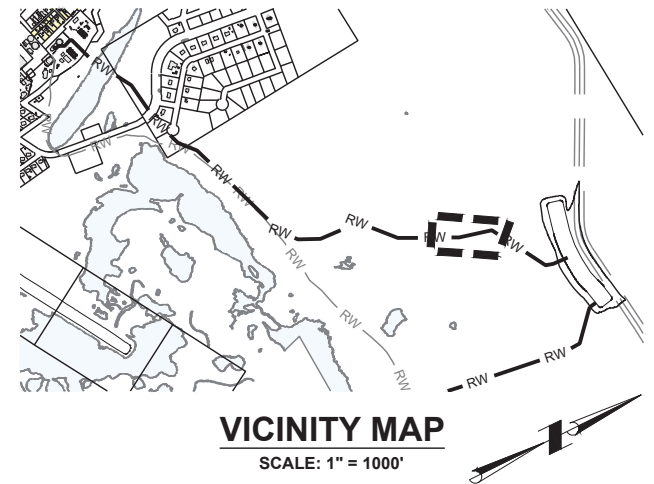


A1 RWIL A1
HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



RWTL ALIGNMENT B - P&P - STA 208+00 TO 216+00

HORZ. SCALE 1" = 40'
VERT. SCALE 1"-10'



1. FIELD VERIFY ALL BURIED, ABOVE GRADE, AND OVERHEAD WATER, SEWER, ELECTRIC, HEAT RECOVERY, FUEL, AND COMMUNICATION UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CALL ALASKA DIG LINE (811) AND COORDINATE WITH THE CITY OF STEBBINS PRIOR TO CONSTRUCTION.
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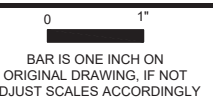
MAJOR STRUCTURES 4			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB7-1	209+62.0	ARCTIC 45° PRESSURE FITTING	N=1305720.4 E=646439.1
HB7-2	213+11.3	ARCTIC 11.25° PRESSURE FITTING	N=1305381.9 E=646352.4

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 15 of 42 Date: February 26, 2026



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STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

WBB-24-017
CC
NP/JM
ANTHC
JM

ALIGNMENT B -
STA 208+00 TO
216+00

CW-407

SHEET **9** OF **20**



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MRK	DATE	DESCRIPTION	INIT

T:	WBB-24-017
R:	CC
G:	NP/JM
ENG:	ANTHC
BY:	JM
FILE	
ALIGNMENT B -	
STA 216+00 TO	
224+00	

CW-408

SHEET 10 OF 20



VICINITY MAP

SCALE: 1" = 1000'

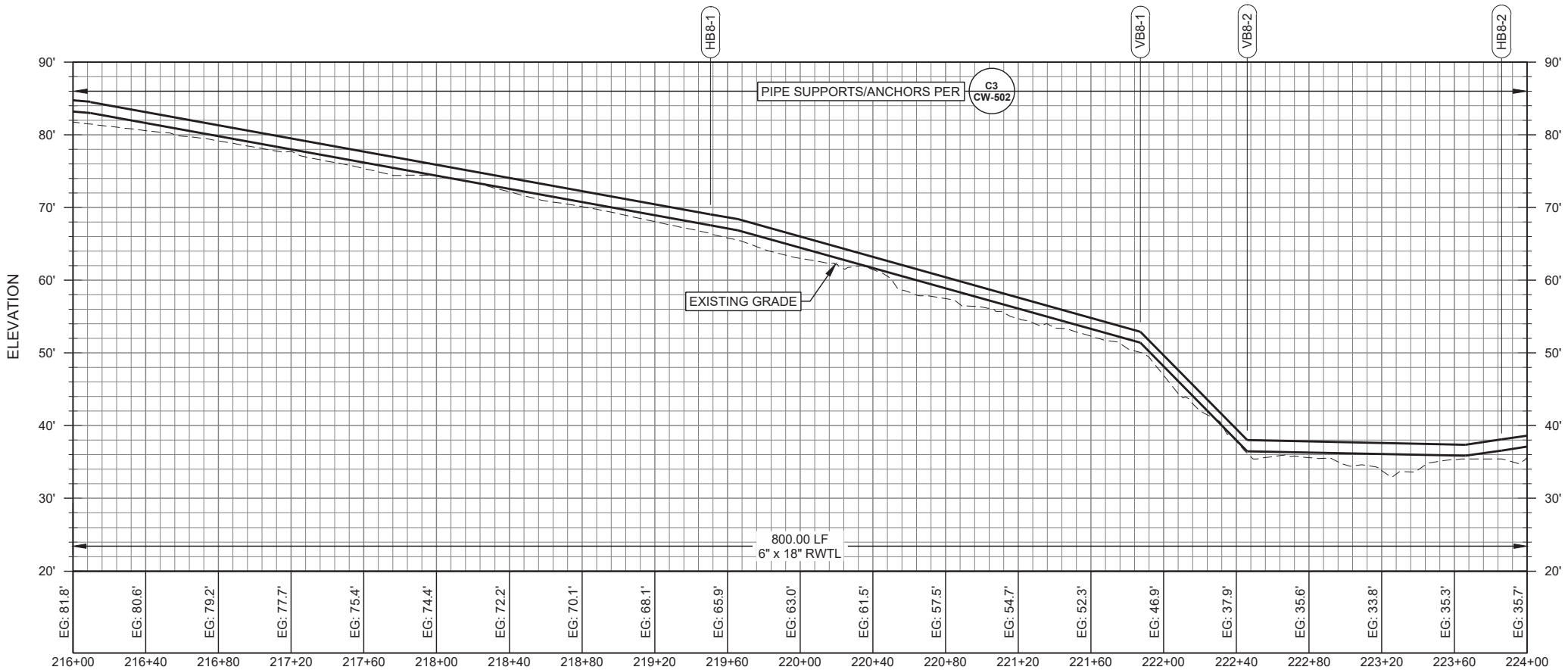
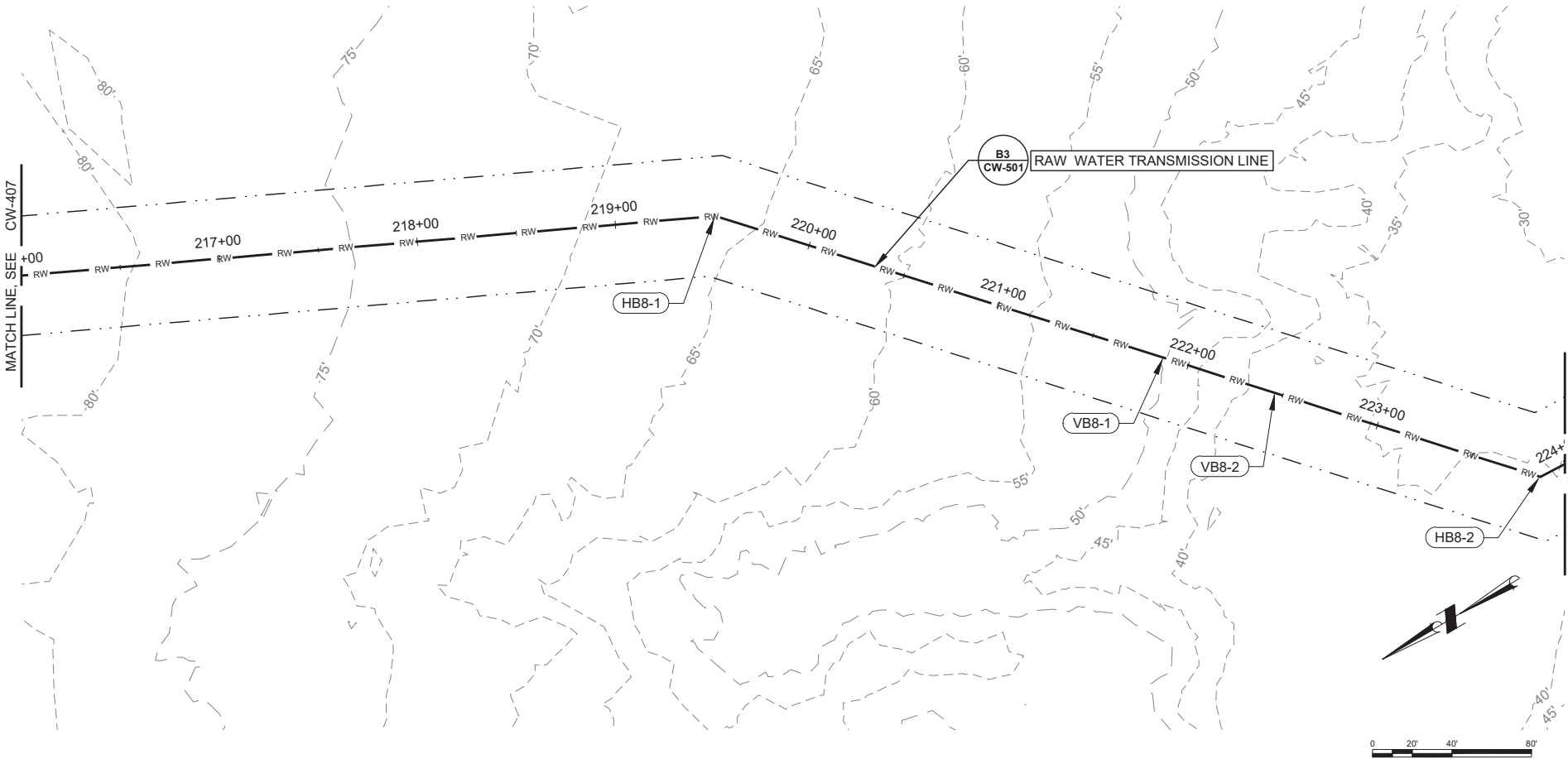
NOTES:

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MAJOR STRUCTURES

ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB8-1	219+50.7	ARCTIC 22.5° PRESSURE FITTING	N=1304805.5 E=646075.8
VB8-1	221+87.2	ARCTIC 11.25° PRESSURE FITTING	N=1304647.5 E=645899.7
VB8-2	222+46.0	ARCTIC 11.25° PRESSURE FITTING	N=1304608.3 E=645856.0
HB8-2	223+85.9	ARCTIC 45° PRESSURE FITTING	N=1304514.9 E=645751.8

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 16 of 42 Date: February 26, 2026



A1 RWTL ALIGNMENT B - P&P - STA 216+00 TO 224+00

HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



0 1"



BAR IS ONE INCH ON
ORIGINAL DRAWING, IF NOT
ADJUST SCALES ACCORDINGLY

STEBBINS, AK
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PHASE 1 - WATER SUPPLY
95% DESIGN

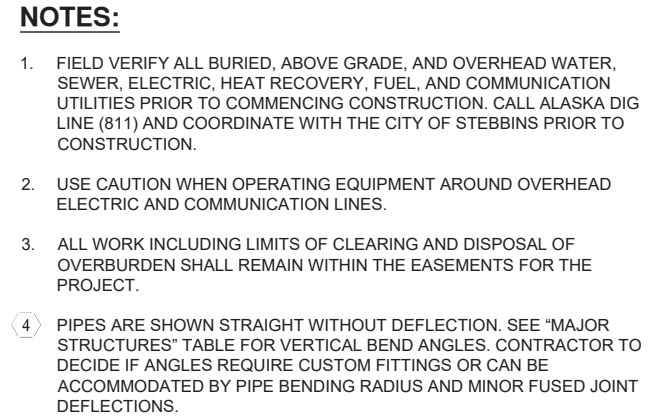
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ET:	WBB-24-017
GR:	CC
NG:	NP/JM
ENG:	ANTHC
BY:	JM

TITLE
ALIGNMENT B - STA 224+00 TO 232+00

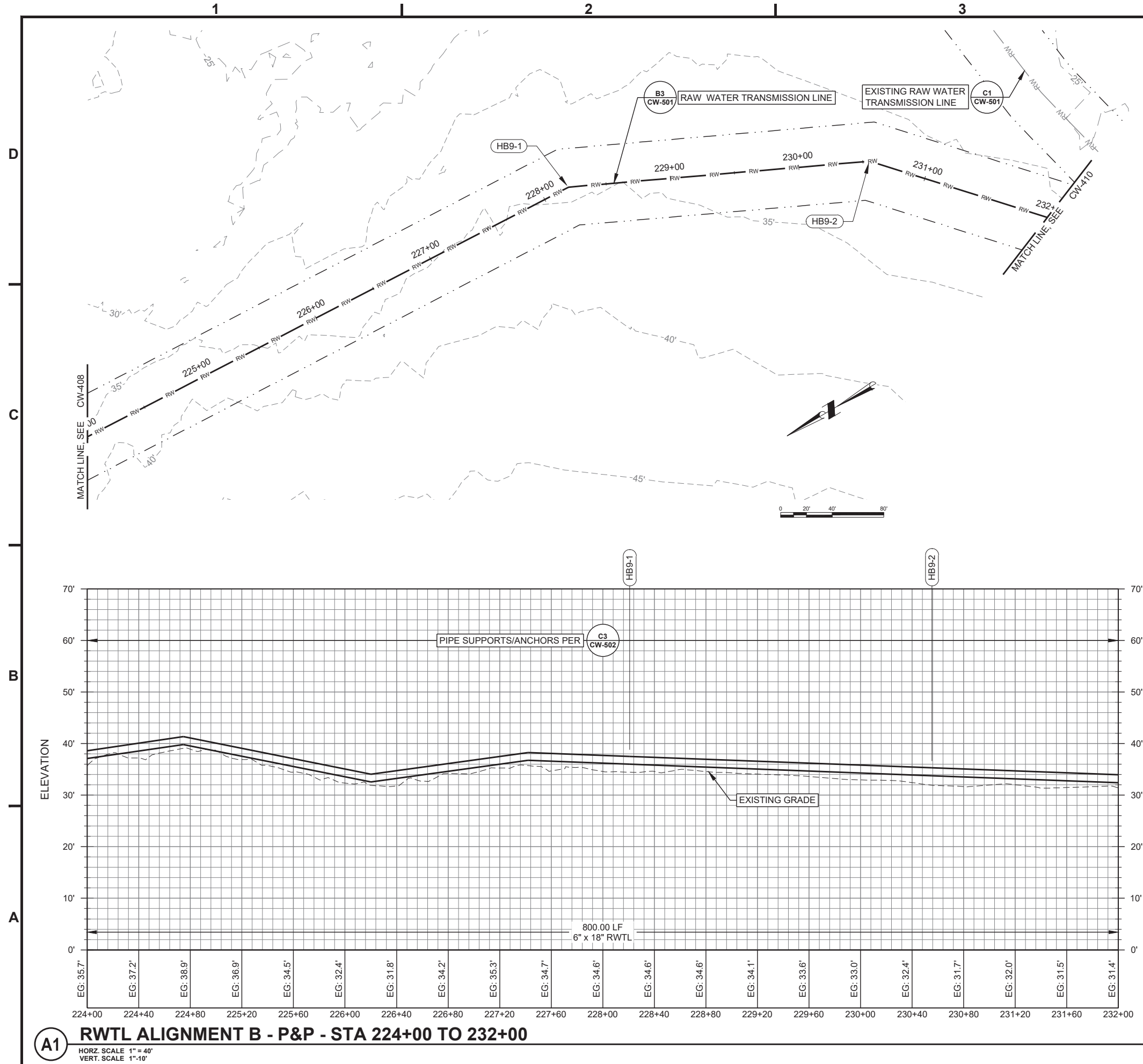
CW-409

SHEET 11 OF 20



MAJOR STRUCTURES 4			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB9-1	228+20.9	ARCTIC 22.5° PRESSURE FITTING	N=1304080.6 E=645728.1
HB9-2	230+55.4	ARCTIC 22.5° PRESSURE FITTING	N=1303869.1 E=645626.7

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 17 of 42 Date: February 26, 2026





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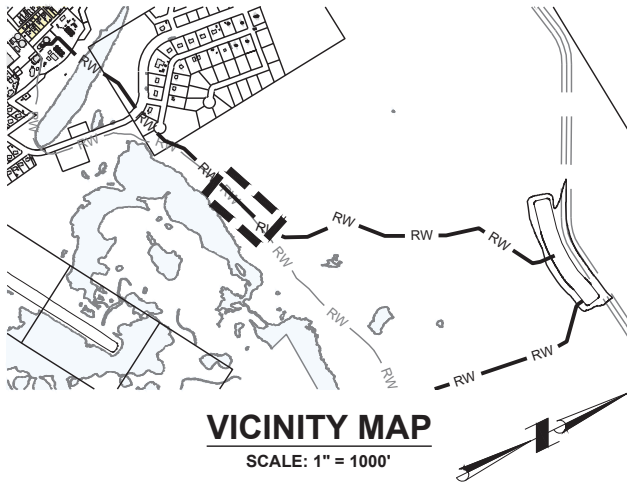
MRK	DATE	DESCRIPTION	INIT

ET: WBB-24-017
GR: CC
NG: NP/JM
ENG: ANTHC
BY: JM

TITLE
ALIGNMENT B -
STA 232+00 TO
240+00

CW-410

SHEET 12 OF 20

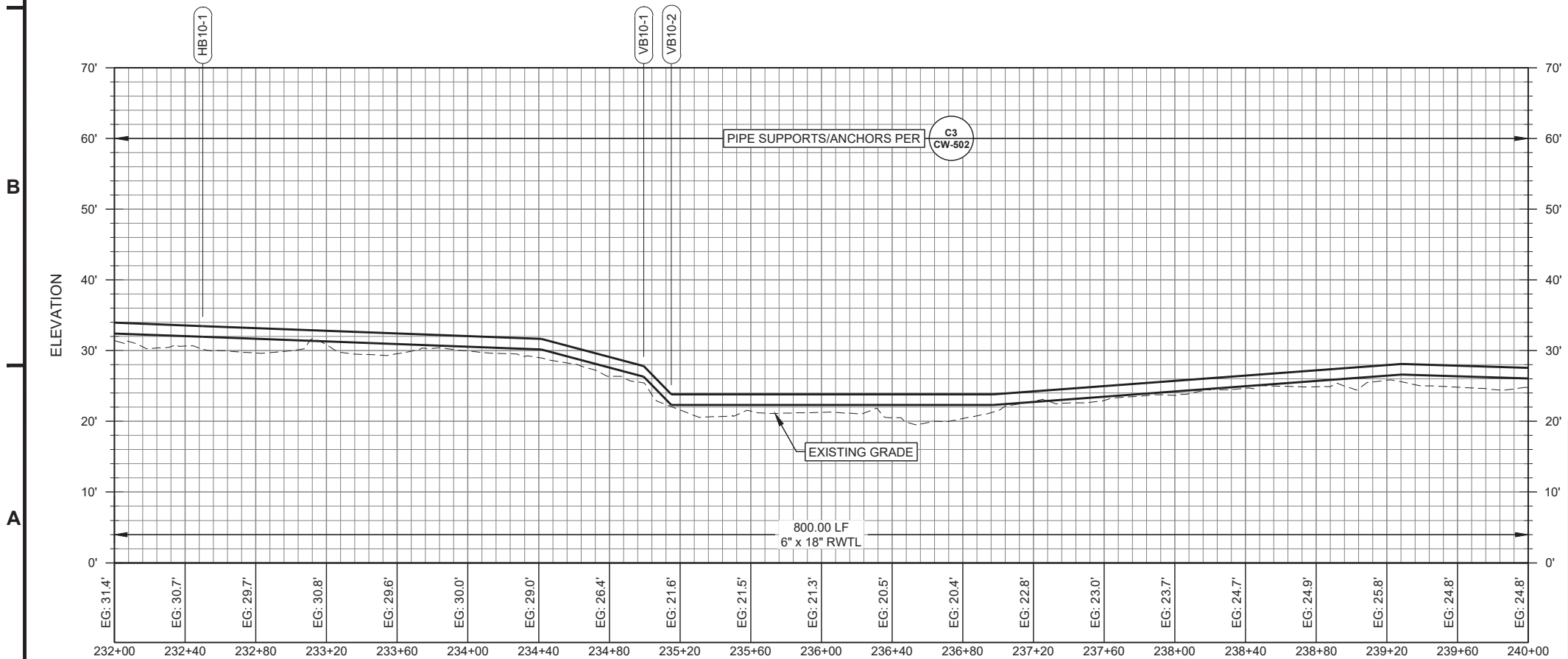
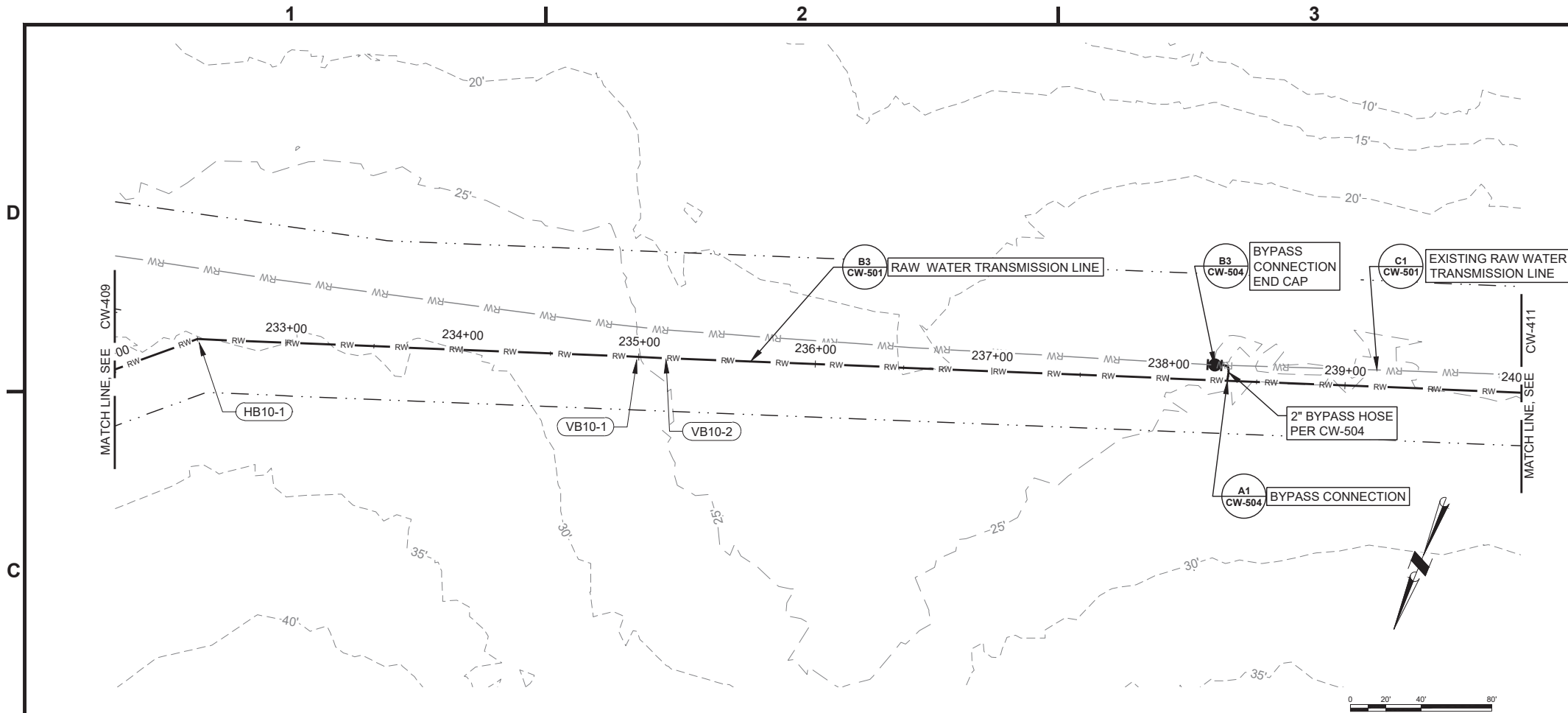


NOTES:

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MAJOR STRUCTURES 4			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB10-1	232+49.9	ARCTIC 22.5° PRESSURE FITTING	N=1303739.3 E=645481.8
VB10-1	234+99.5	ARCTIC 11.25° PRESSURE FITTING	N=1303656.5 E=645246.4
VB10-2	235+15.1	ARCTIC 11.25° PRESSURE FITTING	N=1303651.3 E=645231.6

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 18 of 42 Date: February 26, 2026



A1 RWTL ALIGNMENT B - P&P - STA 232+00 TO 240+00

HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



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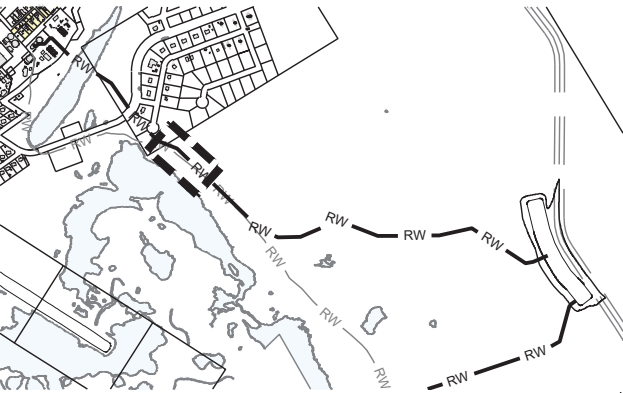
MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM

SHEET TITLE
RWTL ALIGNMENT B -
P&P - STA 240+00 TO
247+00

CW-411

SHEET 13 OF 20



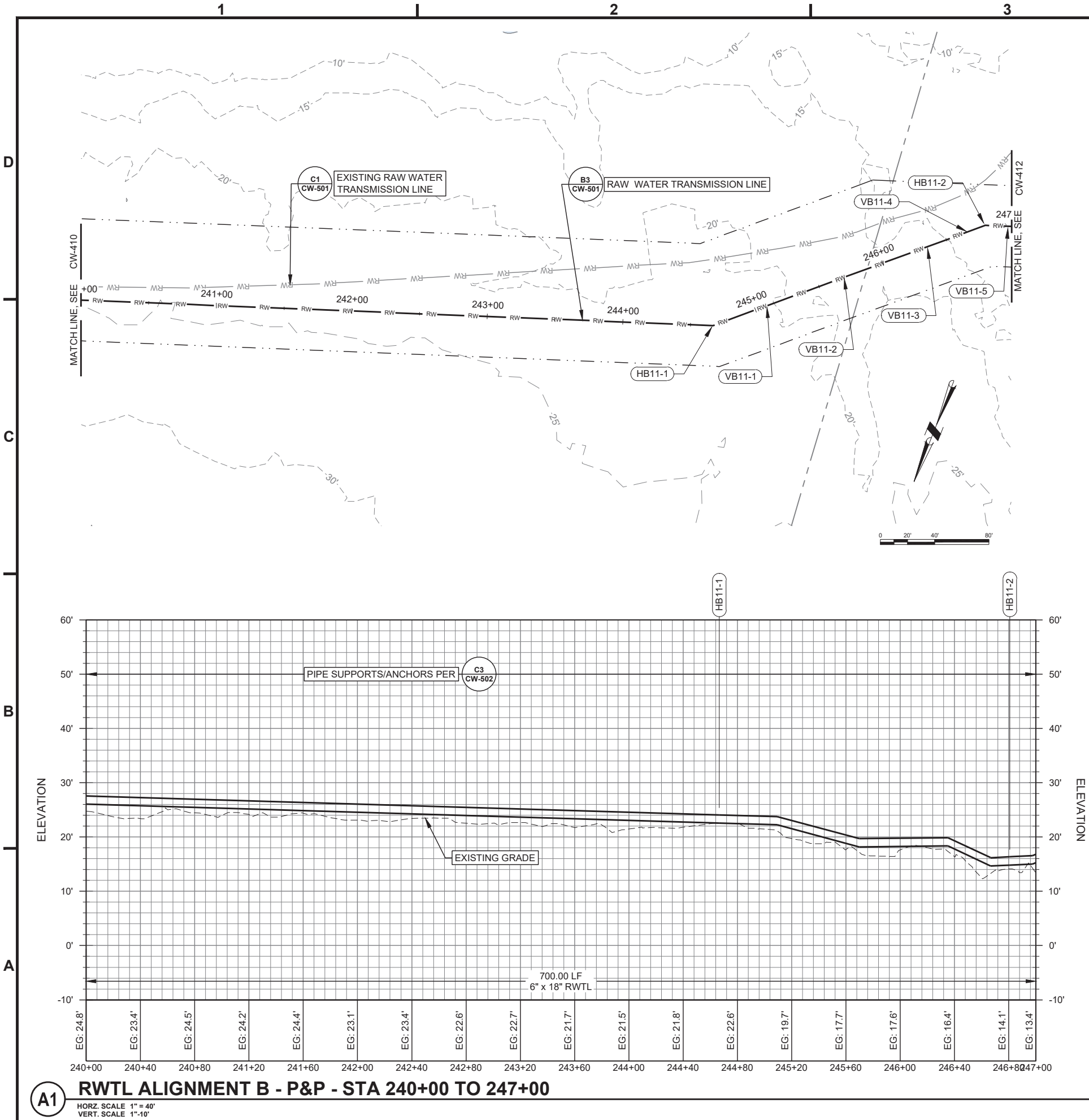
VICINITY MAP
SCALE: 1" = 1000'

NOTES:

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MAJOR STRUCTURES			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB11-1	244+66.6	ARCTIC 22.5° PRESSURE FITTING	N=1303335.7 E=644334.0
HB11-2	246+80.7	ARCTIC 22.5° PRESSURE FITTING	N=1303192.7 E=644174.6

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 19 of 42 Date: February 26, 2026



A1 RWTL ALIGNMENT B - P&P - STA 240+00 TO 247+00
HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'

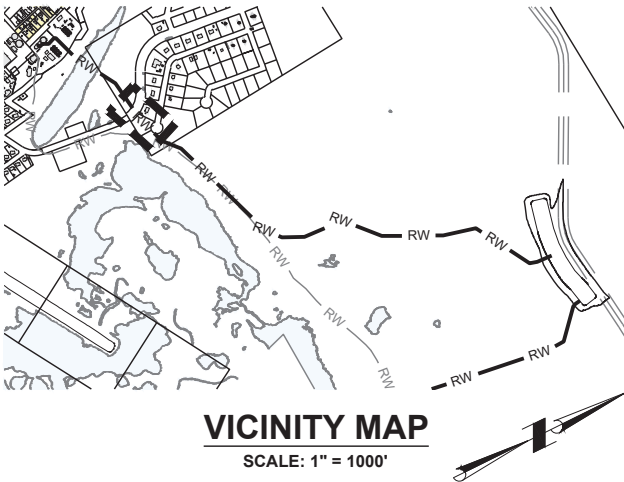


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ADJUST SCALES ACCORDINGLY

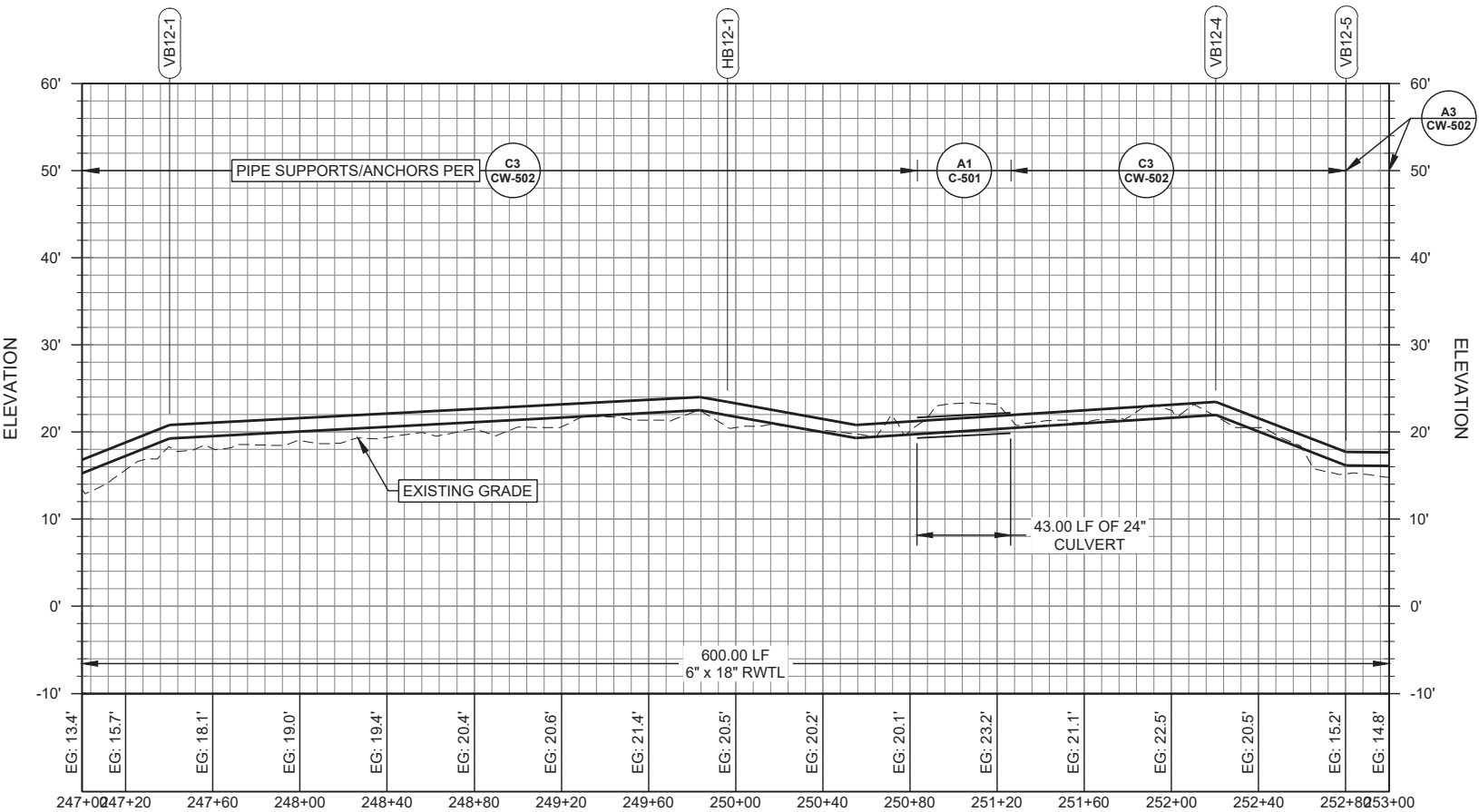
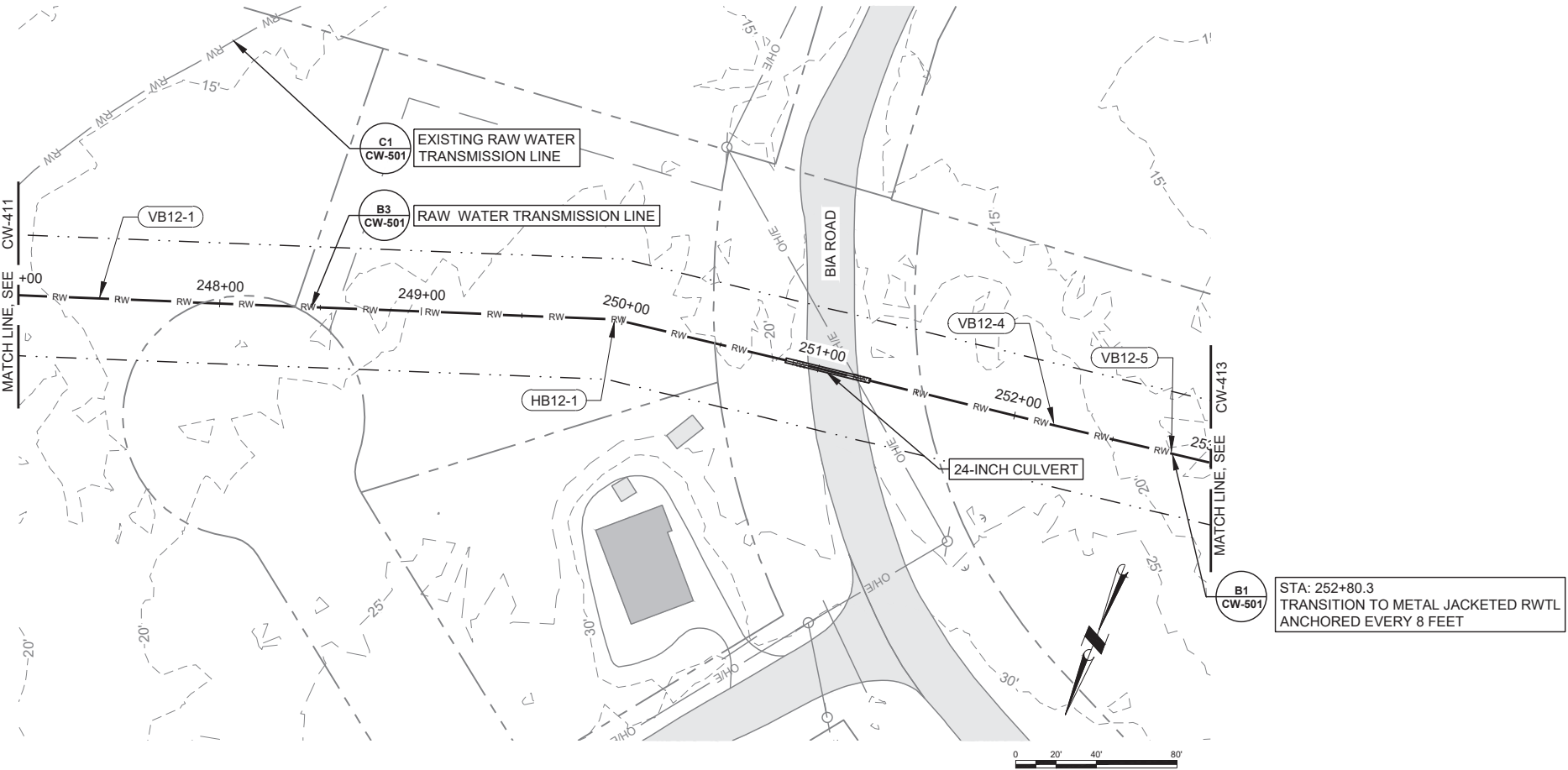


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MAJOR STRUCTURES 4			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
VB12-1	247+40.1	ARCTIC 4.97° PRESSURE FITTING	N=1303173.1 E=644118.6
VB12-2	249+83.6	ARCTIC 3.32° PRESSURE FITTING	N=1303092.3 E=643888.9
HB12-1	249+96.3	ARCTIC 11.25° PRESSURE FITTING	N=1303088.1 E=643876.9
VB12-3	250+55.3	ARCTIC 3.49° PRESSURE FITTING	N=1303079.7 E=643818.4
VB12-4	252+20.5	ARCTIC 6.40° PRESSURE FITTING	N=1303056.4 E=643655.0
VB12-5	252+80.3	ARCTIC 5.31° PRESSURE FITTING	N=1303047.9 E=643595.7

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 20 of 42 Date: February 26, 2026



A1 RWTL ALIGNMENT B - P&P - STA 247+00 TO 253+00
HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'

CW-412
SHEET 14 OF 20



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STEBBINS, AK
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95% DESIGN

MRK DATE DESCRIPTION INIT

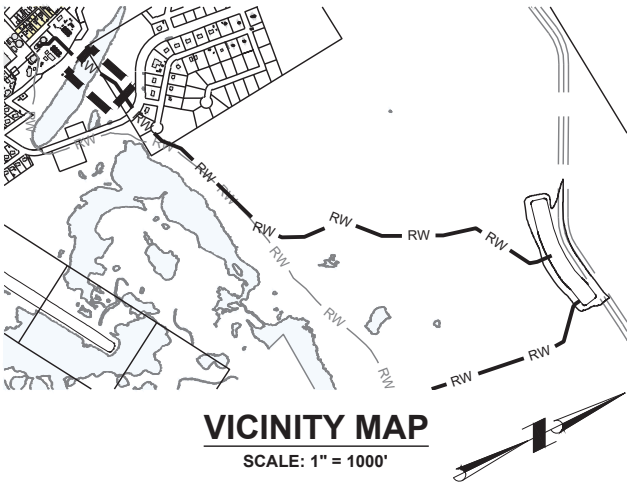
PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: ----

SHEET TITLE
RWTL ALIGNMENT B -
P&P - STA 253+00 TO
259+00

CW-413

SHEET 15 OF 20

--- OF 161 TOTAL SHEETS



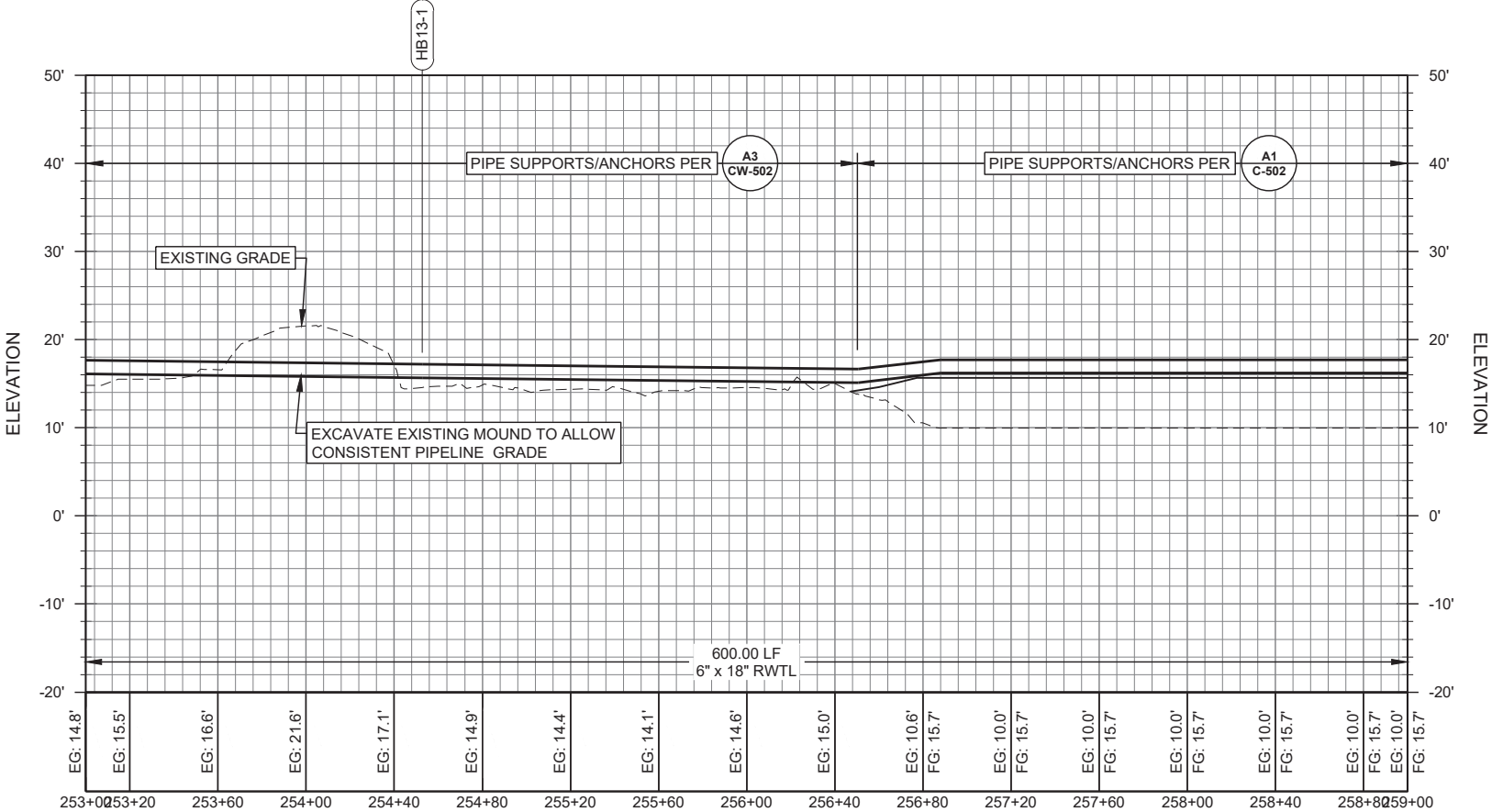
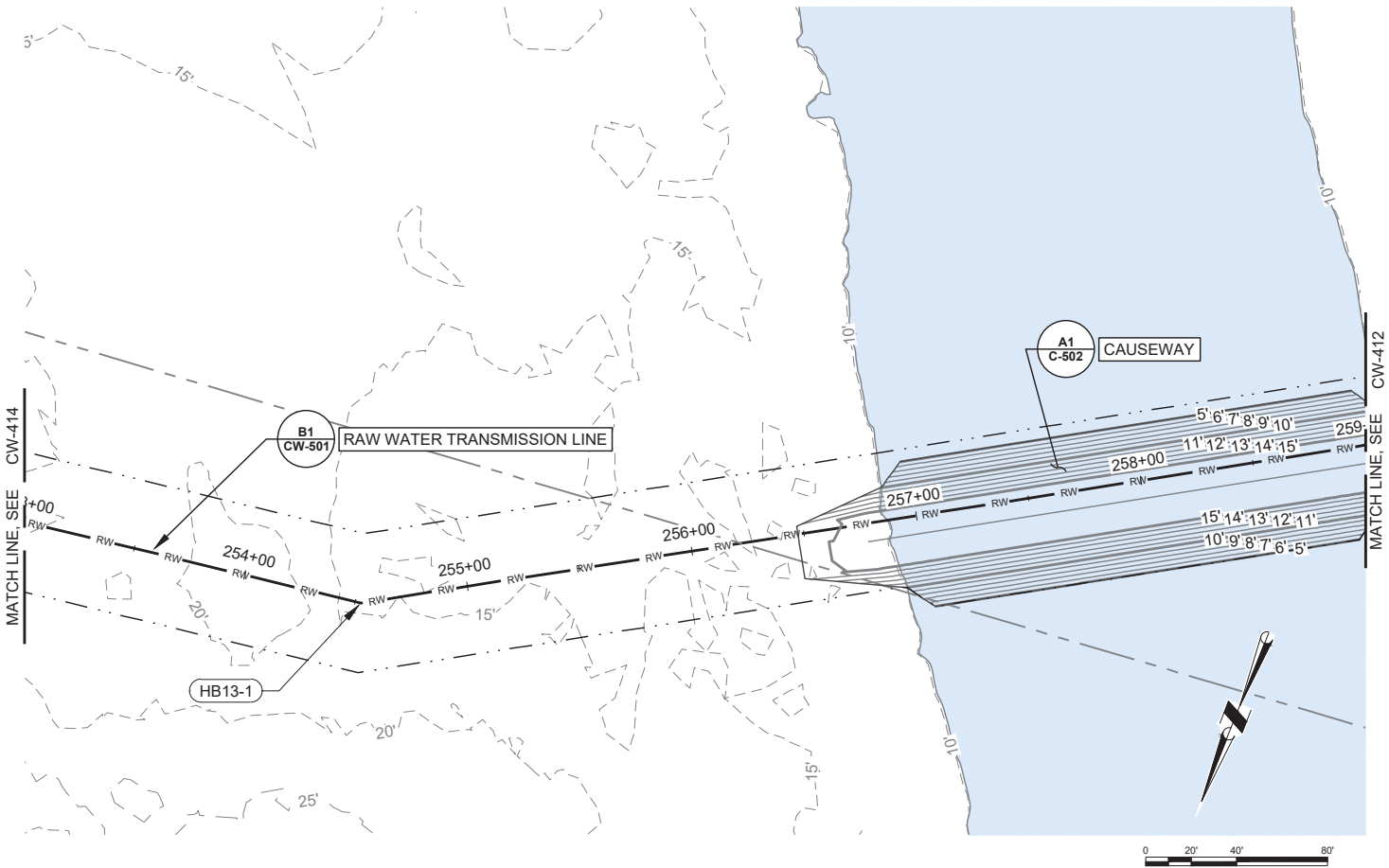
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MAJOR STRUCTURES 4

ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB13-1	254+52.7	ARCTIC 22.5° PRESSURE FITTING	N=1303023.6 E=643425.0

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
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S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 21 of 42 Date: February 26, 2026



A1 RWTL ALIGNMENT B - P&P - STA 253+00 TO 259+00
HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



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STEBBINS, AK
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PHASE 1 - WATER SUPPLY
95% DESIGN

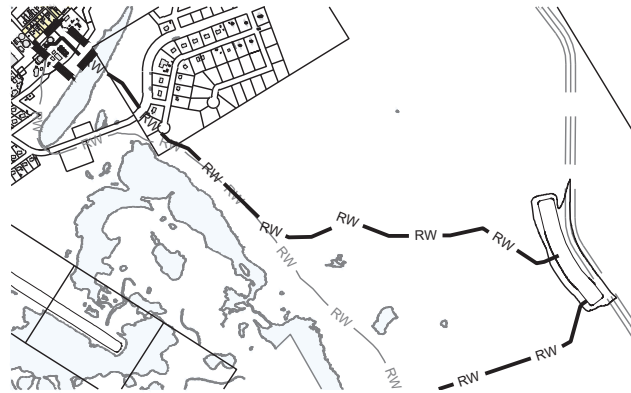
MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JM
SHEET TITLE

RWTL ALIGNMENT B -
P&P - STA 259+00 TO
265+00

CW-414

SHEET 16 OF 20



VICINITY MAP

SCALE: 1" = 1000'



NOTES:

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MAJOR STRUCTURES

ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB14-1	259+61.6	ARCTIC 11.25° PRESSURE FITTING	N=1302764.3 E=642987.1
VB14-01	259+77.7	ARCTIC 11.25° PRESSURE FITTING	N=1302759.0 E=642971.9
VB14-02	259+92.7	ARCTIC 11.25° PRESSURE FITTING	N=1302754.0 E=642957.8
VB14-03	260+39.2	ARCTIC 11.25° PRESSURE FITTING	N=1302738.6 E=642913.9
VB14-04	260+44.2	ARCTIC 11.25° PRESSURE FITTING	N=1302737.0 E=642909.2
HB14-2	262+36.6	ARCTIC 45° PRESSURE FITTING	N=1302673.1 E=642727.7
HB14-3	262+49.9	ARCTIC 45° PRESSURE FITTING	N=1302661.2 E=642721.9
HB14-4	263+73.8	ARCTIC 45° PRESSURE FITTING	N=1302544.2 E=642763.0

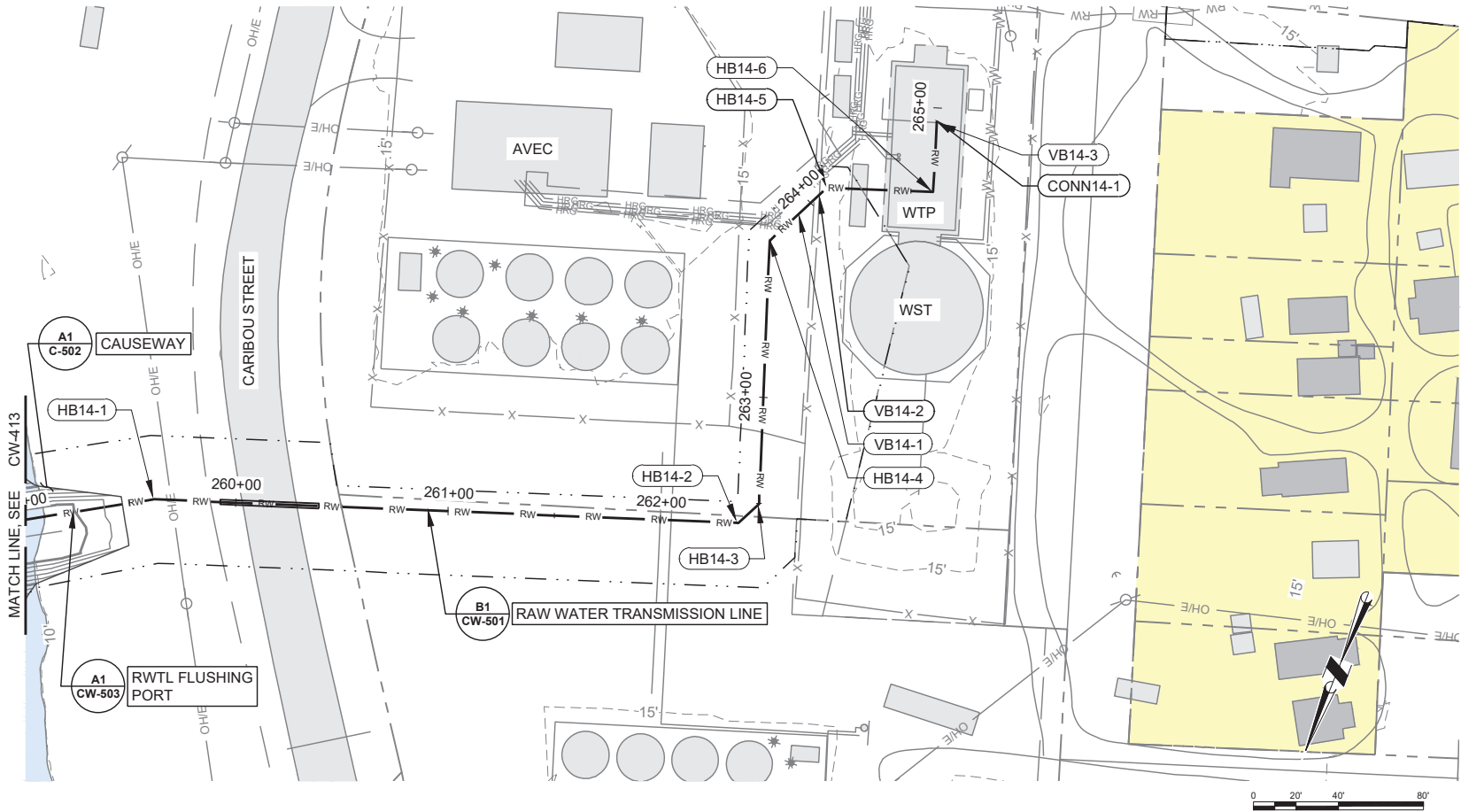
Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 22 of 42 Date: February 26, 2026

D

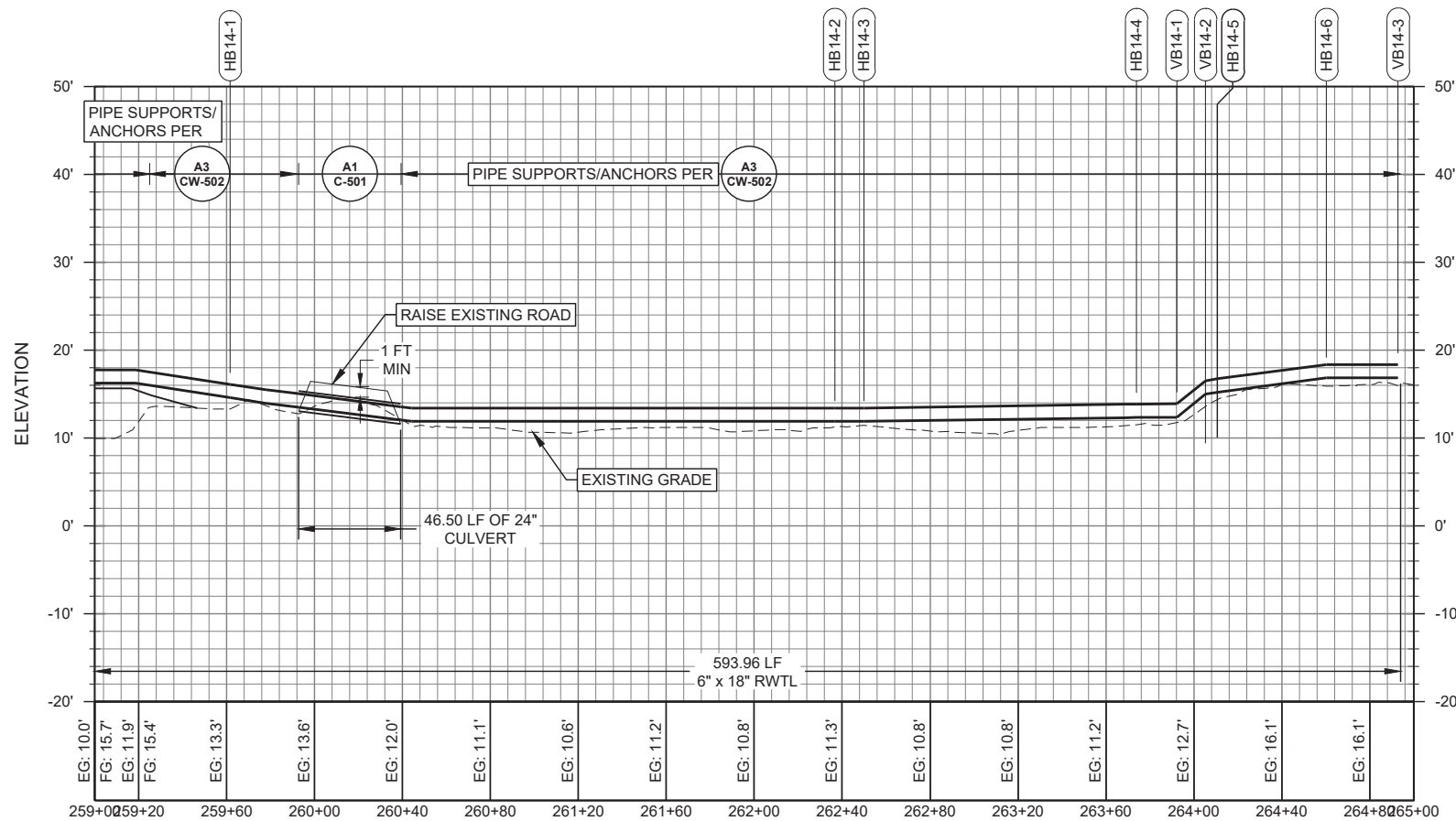
C

B

A



0 20' 40' 80'



A1 RWTL ALIGNMENT B - P&P - STA 259+00 TO 265+00

HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



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STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: TF
SHEET TITLE

CAUSEWAY AND ROAD
CROSSING GRADING
PLAN

C-103

SHEET 4 OF 6

NOTES:

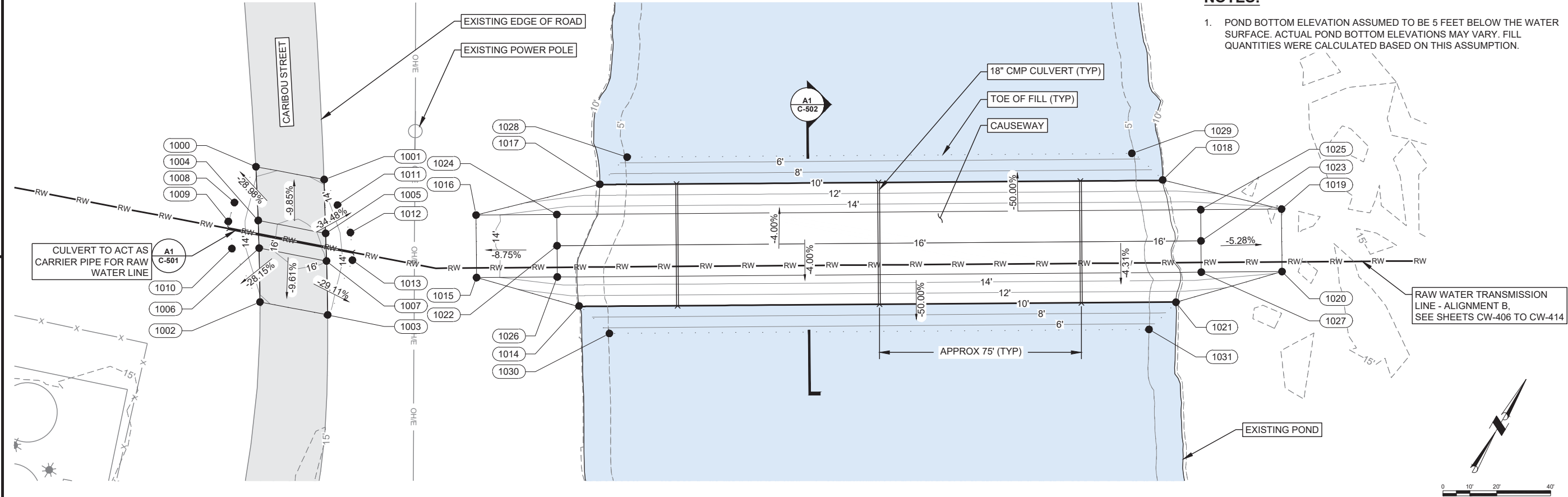
- POND BOTTOM ELEVATION ASSUMED TO BE 5 FEET BELOW THE WATER SURFACE. ACTUAL POND BOTTOM ELEVATIONS MAY VARY. FILL QUANTITIES WERE CALCULATED BASED ON THIS ASSUMPTION.

D

C

B

A



POINT TABLE				
POINT #	NORTHING	EASTING	FG ELEVATION (FT, NADV88)	DESCRIPTION
1000	1302763.29	642910.37	13.64	ROAD EDGE, TOE OF BERM
1001	1302771.93	642934.69	13.65	ROAD EDGE, TOE OF BERM
1002	1302720.64	642936.94	13.74	ROAD EDGE, TOE OF BERM
1003	1302729.14	642961.07	14.30	ROAD EDGE, TOE OF BERM
1004	1302746.46	642921.15	15.62	ROAD EDGE, GREAD BREAK
1005	1302754.92	642945.21	15.80	ROAD EDGE, GRADE BREAK
1006	1302737.77	642926.59	15.65	ROAD EDGE, GRADE BREAK
1007	1302746.23	642950.64	16.00	ROAD EDGE, GRADE BREAK
1008	1302747.78	642910.15	12.07	TOE OF BERM
1009	1302740.55	642911.73	11.92	TOE OF BERM
1010	1302732.54	642917.94	12.28	TOE OF BERM
1011	1302766.22	642943.73	13.12	TOE OF BERM
1012	1302759.81	642953.02	12.73	TOE OF BERM
1013	1302751.33	642958.79	12.80	TOE OF BERM
1014	1302778.97	643040.13	0.00	TOE OF BERM
1015	1302768.93	643001.91	13.39	TOE OF BERM

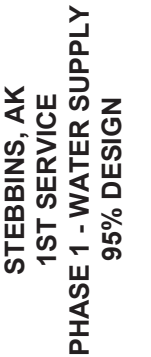
POINT TABLE				
POINT #	NORTHING	EASTING	FG ELEVATION (FT, NADV88)	DESCRIPTION
1016	1302788.89	642990.09	13.36	TOE OF BERM
1017	1302821.92	643024.10	0.00	TOE OF BERM
1018	1302928.46	643204.00	0.00	TOE OF BERM
1019	1302941.32	643247.61	14.37	TOE OF BERM
1020	1302921.36	643259.43	14.25	TOE OF BERM
1021	1302891.69	643231.10	0.00	TOE OF BERM
1022	1302794.19	643021.82	16.00	TOP OF CAUSEWAY
1023	1302916.06	643227.70	16.00	TOP OF CAUSEWAY
1024	1302804.17	643015.91	15.50	TOP EDGE OF CAUSEWAY
1025	1302926.04	643221.79	15.50	TOP EDGE OF CAUSEWAY
1026	1302784.21	643027.73	15.50	TOP EDGE OF CAUSEWAY
1027	1302906.08	643233.61	15.50	TOP EDGE OF CAUSEWAY
1028	1302835.71	643027.77	4.95	TOE OF BERM, APPROX POND BOTTOM
1029	1302931.23	643189.14	4.95	TOE OF BERM, APPROX POND BOTTOM
1030	1302775.84	643055.01	4.95	TOE OF BERM, APPROX POND BOTTOM
1031	1302877.95	643227.52	4.95	TOE OF BERM, APPROX POND BOTTOM

EXCAVATION AND FILL SUMMARY				
LOCATION	ITEM NO.	UNIT	QUANTITY	REMARKS
CARIBOU STREET CROSSING	EXCAVATION	CY	0	
	CLASS 1 RIPRAP	CY	0	
	EMBANKMENT FILL	CY	75	
	SURFACE COURSE	CY	25	
RAW WATER LINE CAUSEWAY	EXCAVATION	CY	0	
	CLASS 1 RIPRAP	CY	2,800	
	EMBANKMENT FILL	CY	1,200	
	SURFACE COURSE	CY	125	
NOTES:				
1. FILL AND EXCAVATION QUANTITIES ARE ESTIMATED NEAT LINE QUANTITIES ONLY AND ARE PROVIDED FOR INFORMATIONAL PURPOSES. NO ALLOWANCE HAS BEEN MADE FOR SUBSIDENCE/SETTLING, SHRINKAGE/SWELL, OVER-EXCAVATION, WASTE, OR OTHER CONTINGENCIES. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND PROVIDE ALL MATERIALS AS NECESSARY TO COMPLETE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.				

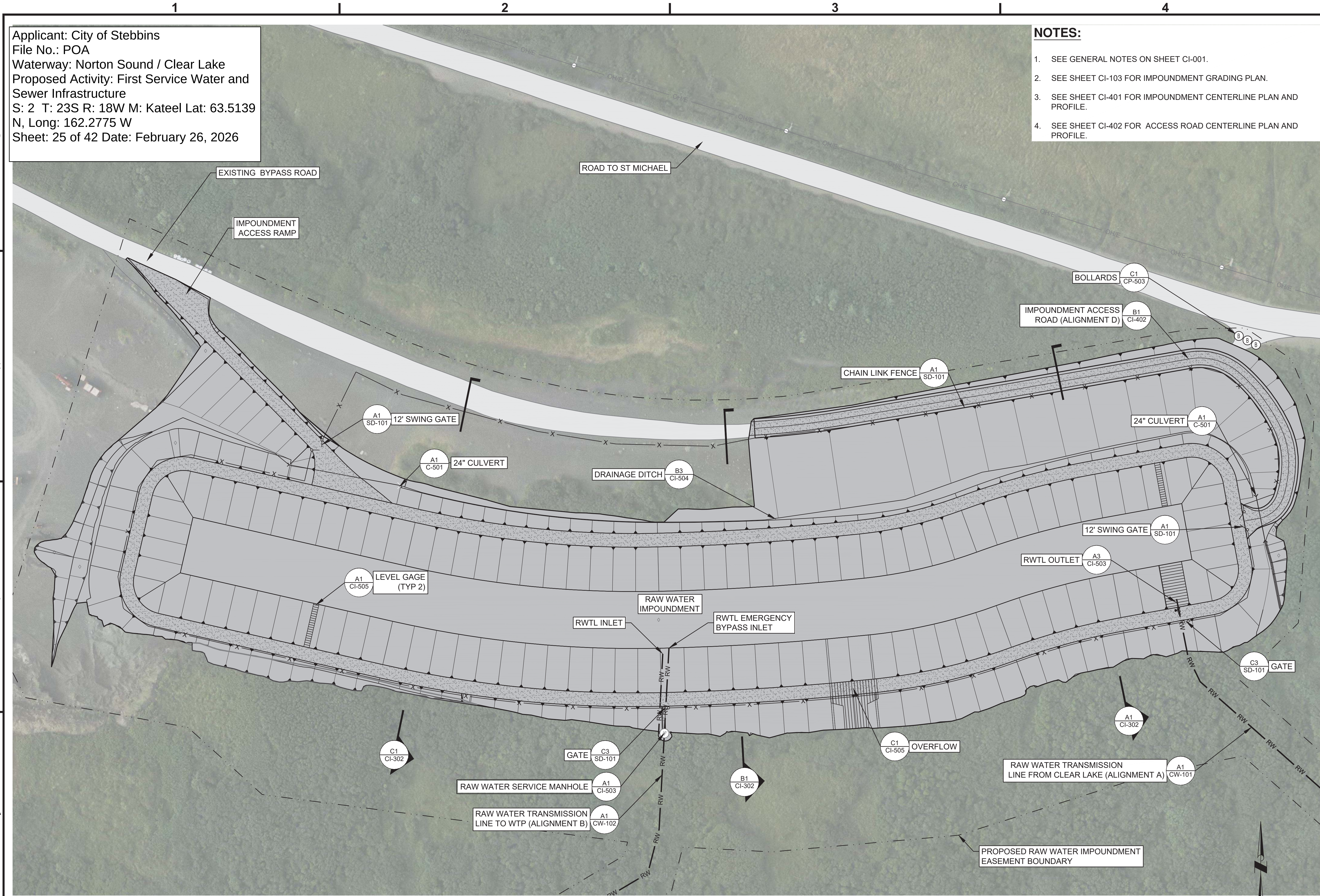
Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139 N, Long: 162.2775 W
Sheet: 23 of 42 Date: February 26, 2026

A1 CAUSEWAY AND ROAD CROSSING GRADING PLAN
1" = 20'

A



- SHEET 6 OF 6



Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 25 of 42 Date: February 26, 2026

- NOTES:**
- SEE GENERAL NOTES ON SHEET CI-001.
 - SEE SHEET CI-103 FOR IMPOUNDMENT GRADING PLAN.
 - SEE SHEET CI-401 FOR IMPOUNDMENT CENTERLINE PLAN AND PROFILE.
 - SEE SHEET CI-402 FOR ACCESS ROAD CENTERLINE PLAN AND PROFILE.



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0 1"
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ADJUST SCALES ACCORDINGLY

**STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN**

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: JAR
SHEET TITLE

**IMPOUNDMENT SITE
PLAN**

CI-101

SHEET **4** OF **15**

--- OF 161 TOTAL SHEETS

A1 IMPOUNDMENT SITE PLAN
1" = 50'



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STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: TF
SHEET TITLE

CLEAR LAKE ACCESS
ROAD KEY MAP

CR-100

SHEET 1 OF 6

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 26 of 42 Date: February 26, 2026

D

C

B

A

ROAD TO ST. MICHAEL

CR-401

CR-402

CR-403

CR-404

CLEAR LAKE

GENERAL NOTES – ACCESS ROAD SPOT IMPROVEMENTS

1. WORK CONSISTS OF LOCALIZED GRADING, PLACEMENT OF FILL, AND NEW SURFACE COURSE AT THE SPOT IMPROVEMENT AREAS SHOWN ON SHEETS CR-401 TO CR-404. LIMITS SHOWN ARE APPROXIMATE AND SHALL BE FIELD-FIT TO ACHIEVE SMOOTH TRANSITIONS TO EXISTING GRADES.
2. ALL WORK SHALL REMAIN WITHIN THE EXISTING ROAD PRISM. NO WIDENING OR NEW EXCAVATION OUTSIDE EXISTING LIMITS IS INCLUDED IN THIS SCOPE.
3. EXISTING CULVERTS WITHIN THE IMPROVEMENT AREAS SHALL BE PROTECTED IN PLACE. NO CULVERT REPLACEMENT OR EXTENSION IS INCLUDED. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.
4. CROSS SECTION REQUIREMENTS FOR EACH SPOT IMPROVEMENT AREA ARE SHOWN ON SHEET CR-501.
5. ROAD CLOSURES ARE PERMITTED FOR THIS WORK. CONTRACTOR SHALL COORDINATE AND COMMUNICATE CLOSURES AND ACCESS RESTRICTIONS WITH THE OWNER PRIOR TO CONSTRUCTION.
6. IMPROVEMENTS ARE INTENDED TO RESTORE DRIVABILITY AND SURFACE CONDITION OF THE EXISTING ACCESS ROAD.



0 400' 800'

A1

CLEAR LAKE ACCESS ROAD KEY MAP

HORZ. SCALE 1" = 400'

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 27 of 42 Date: February 26, 2026



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STEBBINS, AK
1ST SERVICE
PHASE 1 - WATER SUPPLY
95% DESIGN

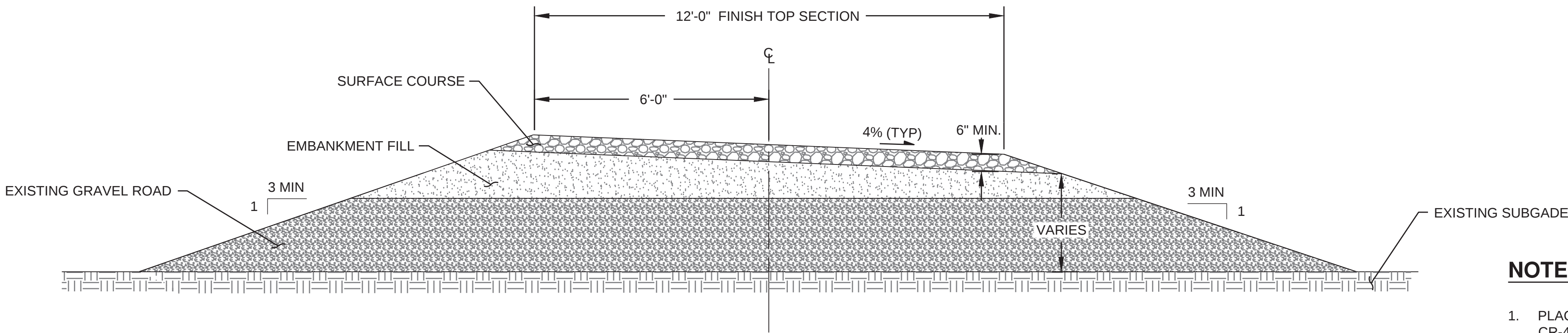
MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-017
PROJ MGR: CC
PROJ ENG: NP/JM
DRUMS ENG: ANTHC
DRAWN BY: TF

SHEET TITLE
CLEAR LAKE ACCESS
ROAD - TYPICAL
SECTION

CR-501

SHEET 6 OF 6



NOTES:

1. PLACE FILL IN ROADWAY AREAS AS INDICATED ON SHEETS CR-401 TO CR-404, CONFORMING TO THE SECTION SHOWN ON THIS SHEET. CONTRACTOR SHALL VERIFY LIMITS AND ADJUST QUANTITIES AS NEEDED TO ACHIEVE A SMOOTH FINISH GRADE. THIS WORK IS INTENDED TO IMPROVE DRIVABILITY OF THE EXISTING ACCESS ROUTE FOR A STANDARD PICKUP TRUCK; FULL RECONSTRUCTION IS NOT REQUIRED.

A1 CLEAR LAKE ACCESS ROAD - TYPICAL SECTION
NTS



1" = 200'



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STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK DATE DESCRIPTION INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: DN
SHEET TITLE

LAGOON ACCESS RD
P&P - STA 10+00 TO
18+40

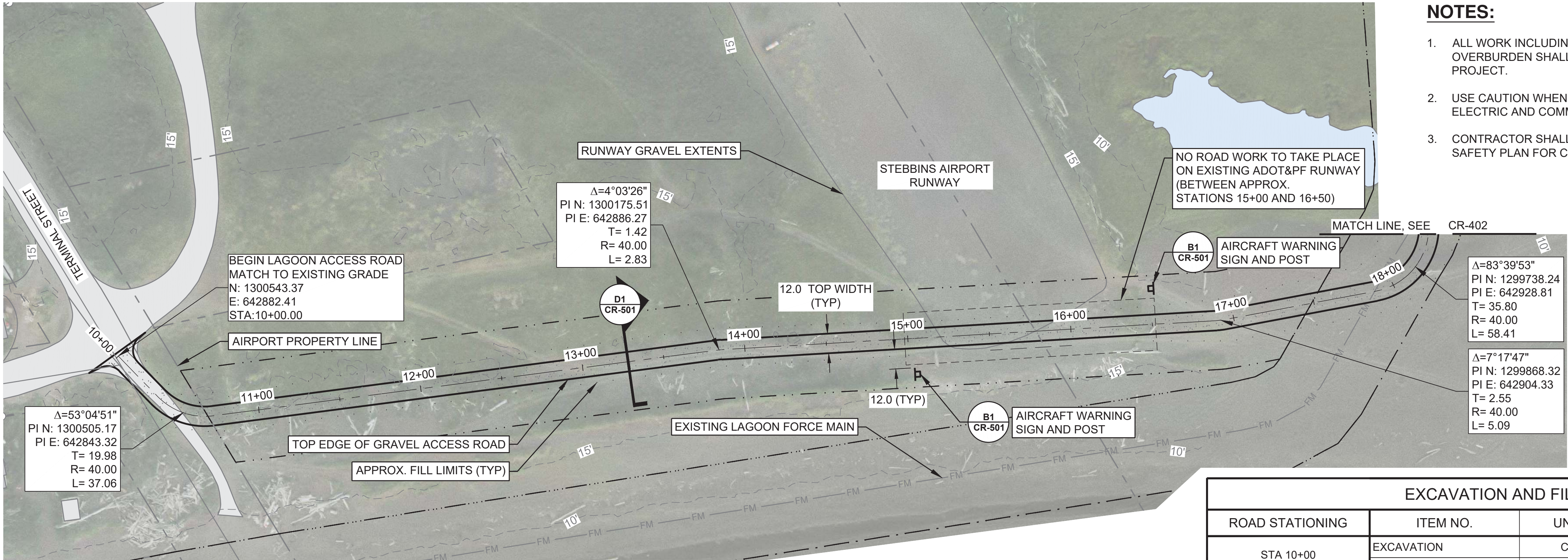
CR-401

SHEET 1 OF 5

--- OF --- TOTAL SHEETS

NOTES:

- ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.
- USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR AN ADOT&PF AIRPORT SAFETY PLAN FOR CONSTRUCTION OF THE ROAD AND LAGOON.

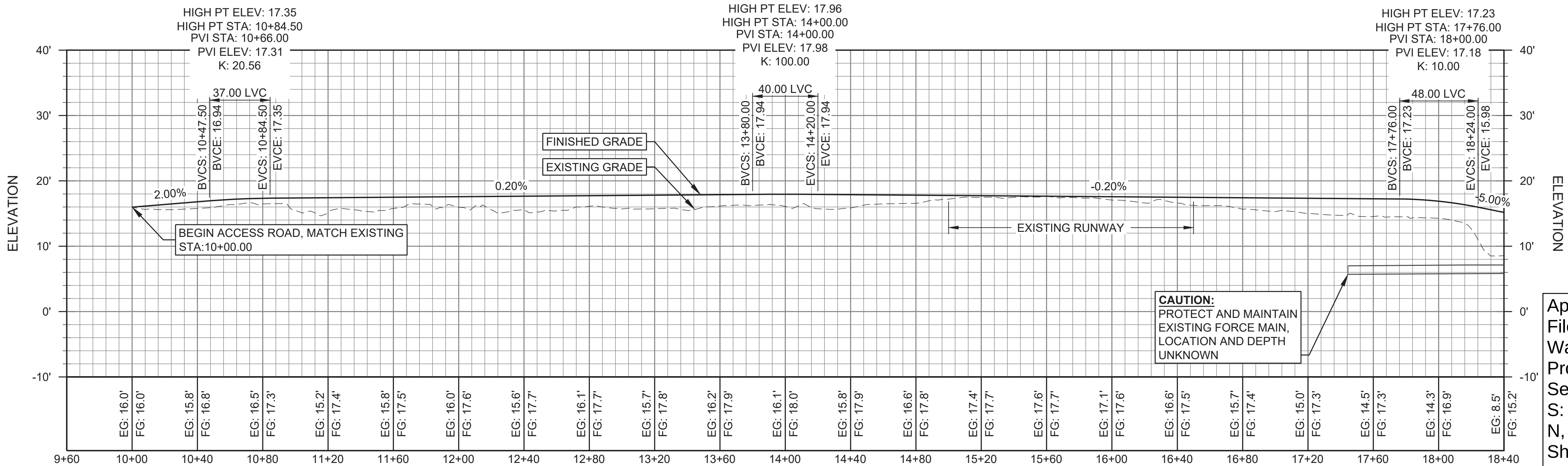


EXCAVATION AND FILL SUMMARY

ROAD STATIONING	ITEM NO.	UNIT	QUANTITY	REMARKS
STA 10+00 TO STA 18+40	EXCAVATION	CY	0	
	EMBANKMENT FILL	CY	827	
	SURFACE COURSE	CY	187	

NOTES:

1. FILL EXCAVATION QUANTITIES ARE ESTIMATED NEAT LINE QUANTITIES ONLY AND ARE PROVIDED FOR INFORMATIONAL PURPOSES. NO ALLOWANCE HAS BEEN MADE FOR SUBSIDENCE/SETTLING, SHRINKAGE/SWELL, OVER-EXCAVATION, WASTE, OR OTHER CONTINGENCIES. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND PROVIDE ALL MATERIALS AS NECESSARY TO COMPLETE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.

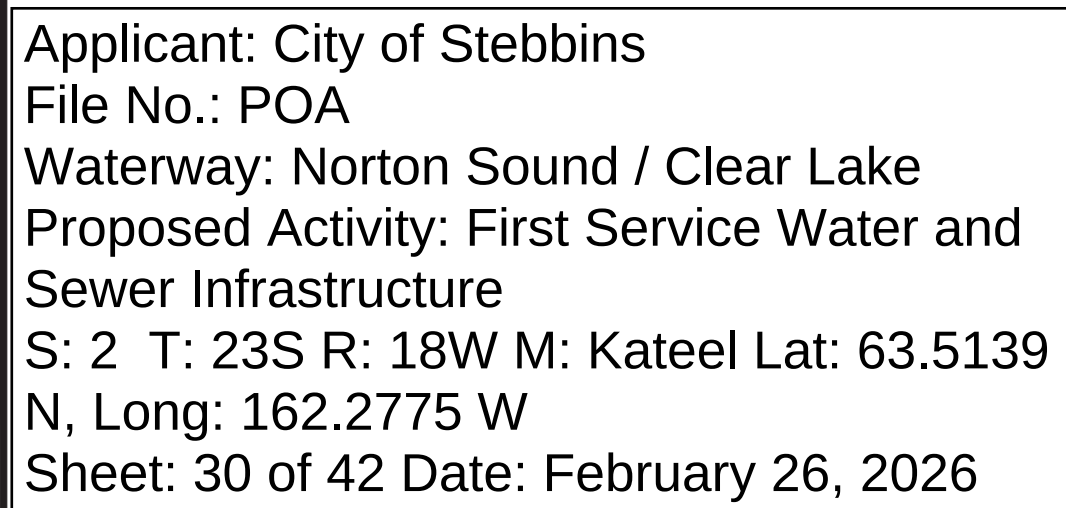


Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 29 of 42 Date: February 26, 2026

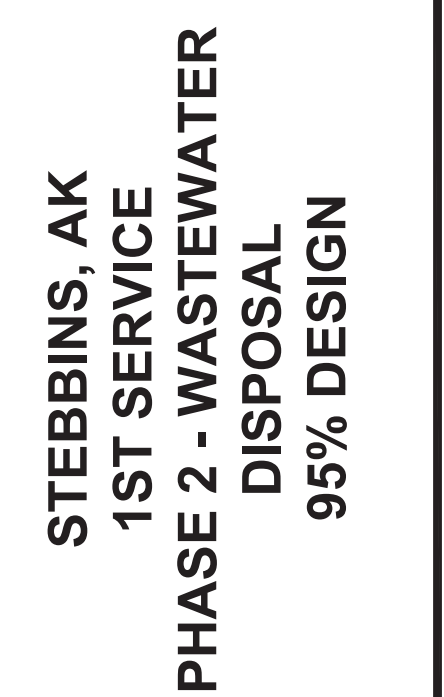
A1 LAGOON ACCESS RD P&P - STA 10+00 TO 18+40

HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'





FOR REVIEW ONLY



PLAN SET:	WBB-24-016
PROJ MGR:	CC
PROJ ENG:	DN
DRUMS ENG:	ANTHC
DRAWN BY:	DN

CR-402

--- OF --- TOTAL SHEETS





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STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK DATE DESCRIPTION INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: DN

SHEET TITLE
LAGOON ACCESS RD
P&P - STA 28+00 TO
34+80

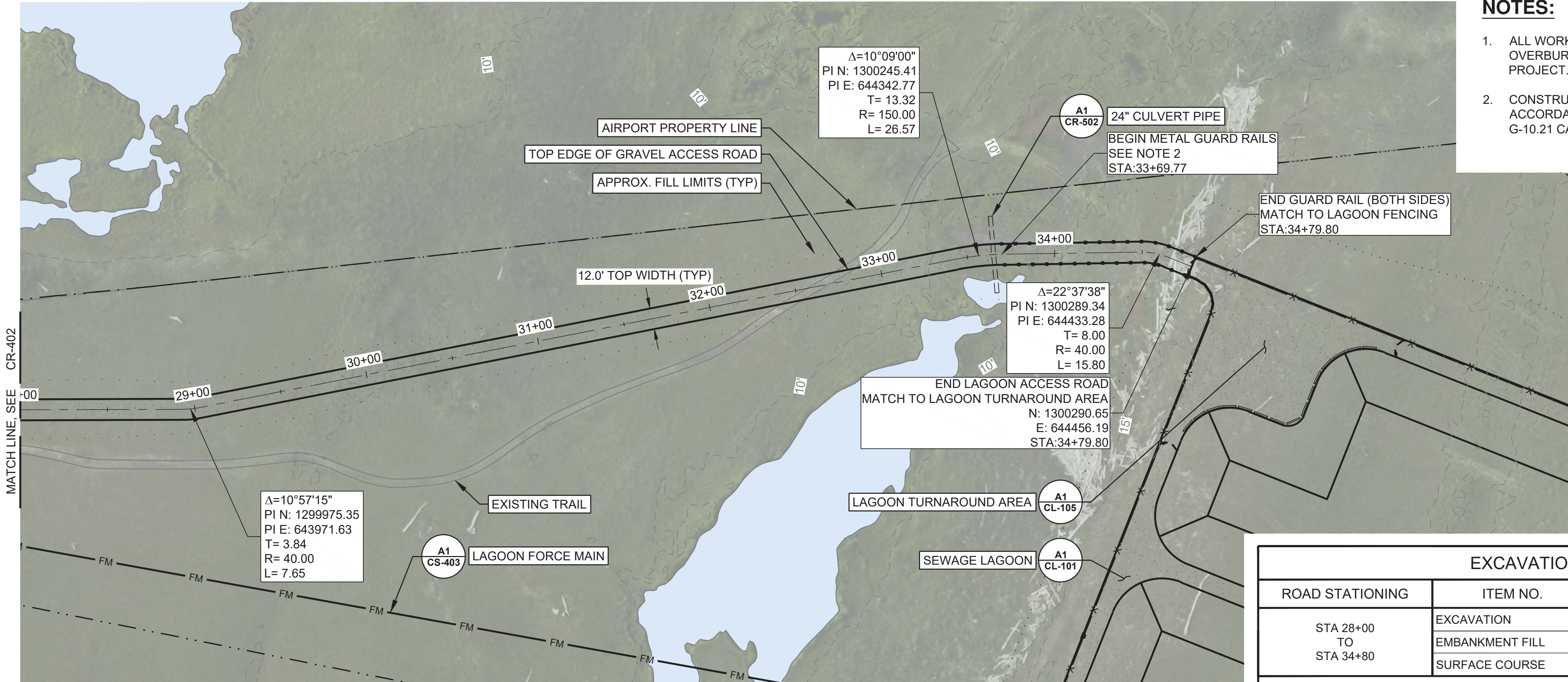
CR-403

SHEET 3 OF 5

OF TOTAL SHEETS

NOTES:

- ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.
- CONSTRUCT METAL W31 GUARDRAIL WITH TYPE I STEEL POST IN ACCORDANCE WITH ALASKA DOT&PF STANDARD PLANS G-05.11S AND G-10.21 CASE 4.

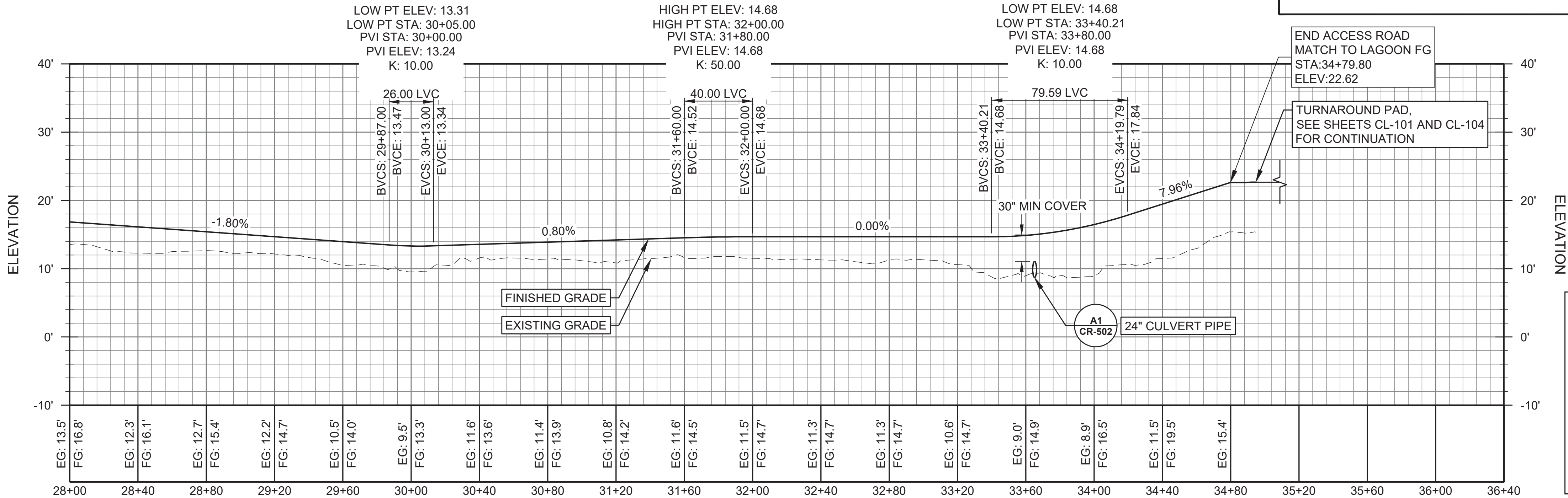


EXCAVATION AND FILL SUMMARY

ROAD STATIONING	ITEM NO.	UNIT	QUANTITY	REMARKS
STA 28+00 TO STA 34+80	EXCAVATION	CY	0	
	EMBANKMENT FILL	CY	2,473	
	SURFACE COURSE	CY	151	

NOTES:

1. FILL EXCAVATION QUANTITIES ARE ESTIMATED NEAT LINE QUANTITIES ONLY AND ARE PROVIDED FOR INFORMATIONAL PURPOSES. NO ALLOWANCE HAS BEEN MADE FOR SUBSIDENCE/SETTLING, SHRINKAGE/SWELL, OVER-EXCAVATION, WASTE, OR OTHER CONTINGENCIES. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND PROVIDE ALL MATERIALS AS NECESSARY TO COMPLETE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.

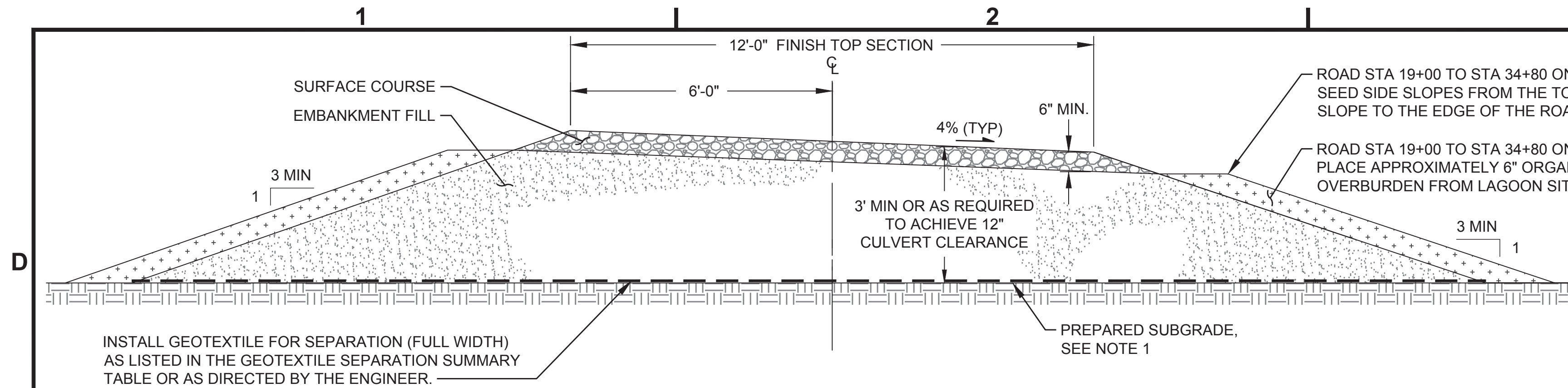


Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 31 of 42 Date: February 26, 2026

A1 LAGOON ACCESS RD P&P - STA 28+00 TO 34+80

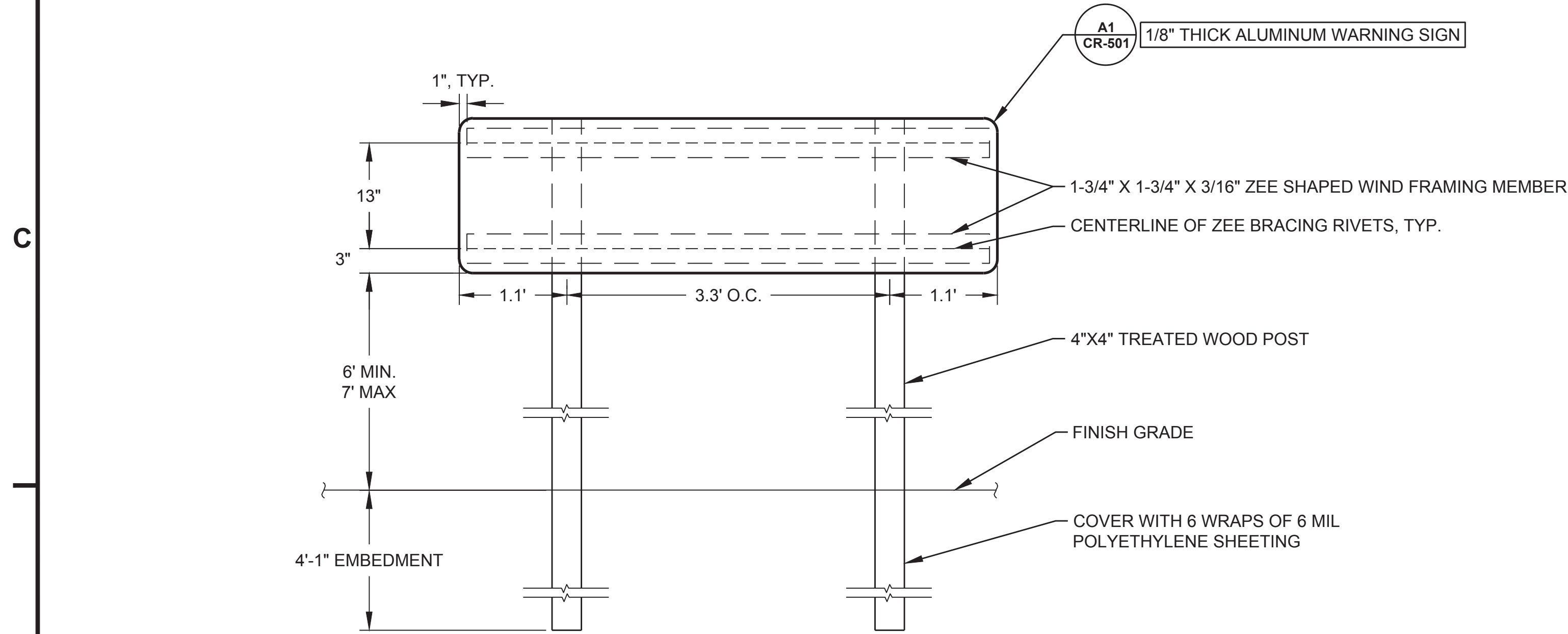
HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'

0 20' 40' 80'



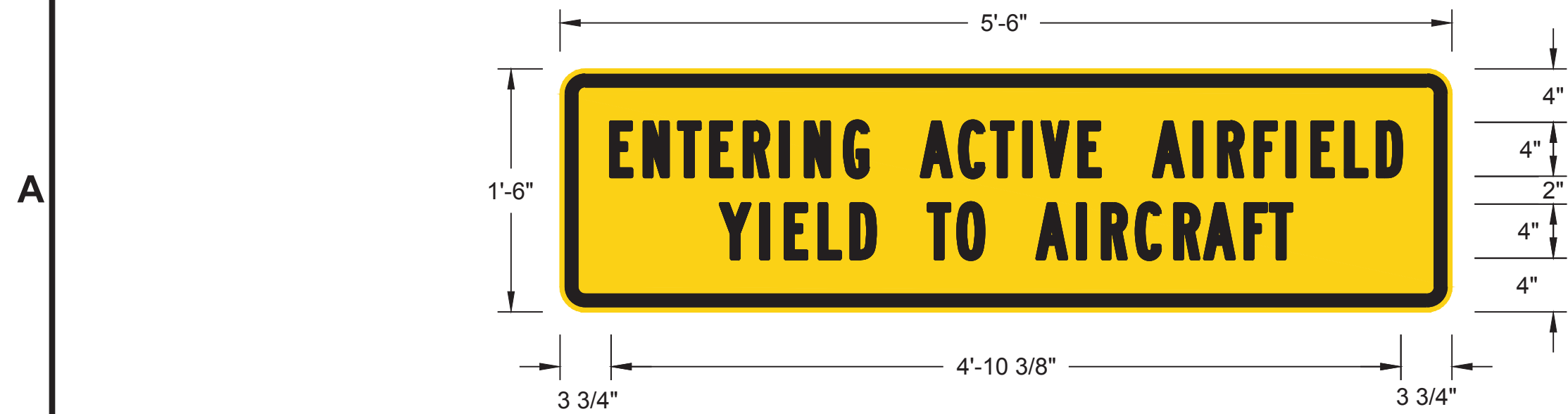
SEPARATION GEOTEXTILE SUMMARY				
BEGIN STATION	END STATION	WIDTH (FT)	AREA (SF)	REMARKS
10+00	34+80	31 (AVERAGE)	76,880	
TOTAL			76,880	
NOTES: 1. PLACE SEPARATION GEOTEXTILE SO THAT FABRIC COVERS THE ENTIRE WIDTH OF THE EMBANKMENT. GEOTEXTILE STATIONING AND WIDTHS SHOWN ABOVE ARE NOMINAL, EXCLUDING REQUIRED OVERLAP. 2. OVERLAP AT LEAST 3 FEET AT ALL LONGITUDINAL AND TRANSVERSE JOINTS. STITCHING MAY BE USED IN LIEU OF OVERLAP, IF APPROVED BY THE ENGINEER. WHEN SEWING, FOLD ADJACENT SECTIONS SO THE STITCHING PENETRATES FOUR LAYERS. USE DOUBLE-THREAD LOCK STITCH (BUTTERFLY OR J-SEAM). STITCH LINE APPROXIMATELY 1-1/4" FROM THE FOLDED EDGE AND AT LEAST 1/2" FROM FREE EDGE.				

D1 LAGOON ACCESS ROAD TYPICAL SECTION
NTS



- NOTES:**
- SEE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD DETAIL SHEET NUMBER S-00.12 AND S-01.02 FOR ZEE SHAPED FRAMING RIVET CONNECTIONS TO SIGN AND MATERIAL PROPERTIES.
 - SEE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD DETAIL SHEET NUMBER S-20.11 FOR FASTENER MATERIALS AND POST CONNECTION DETAILS.

B1 AIRCRAFT WARNING SIGN POST DETAIL
NTS



A1 AIRCRAFT WARNING SIGN DETAIL
NTS

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139 N, Long: 162.2775 W
Sheet: 32 of 42 Date: February 26, 2026

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STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER DISPOSAL
95% DESIGN

					INIT
					DESCRIPTION
					DATE
					MRK

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: DN
SHEET TITLE

LAGOON ACCESS ROAD DETAILS

CR-501

SHEET 4 OF 5

----- OF ----- TOTAL SHEETS

CULVERT SUMMARY								
ROAD STATION	PIPE CONDUIT (FT)					CULVERT ENDS	CULVERT MARKERS	REMARKS
	18"	24"	36"	48"	60"			
19+00	-	45	-	-	-	2	0	
33+65	-	50	-	-	-	2	0	
TOTAL	-	95	-	-	-	4	0	
NOTES: 1. CULVERT LENGTHS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND ADJUST AS REQUIRED. 2. WHEN PROVIDED FOR DRAINAGE, INSTALL PIPE WITH 2% SLOPE OR SHOWN IN THE DRAWINGS WHEN PLACED ABOVE FLOOD ELEVATION (20.0' NAVD88) AND 0% WHEN THE CULVERT IS INSTALLED BELOW FLOOD ELEVATION. 3. WHEN PROVIDED AS CASING FOR UTILITIES, MATCH THE GRADE OF THE UTILITY LINE. 4. CULVERT ENDS ARE NOT REQUIRED FOR CULVERTS USED AS CASING FOR UTILITIES (FOR PIPE PROTECTION) AT ROAD CROSSINGS.								

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139 N, Long: 162.2775 W
Sheet: 33 of 42 Date: February 26, 2026

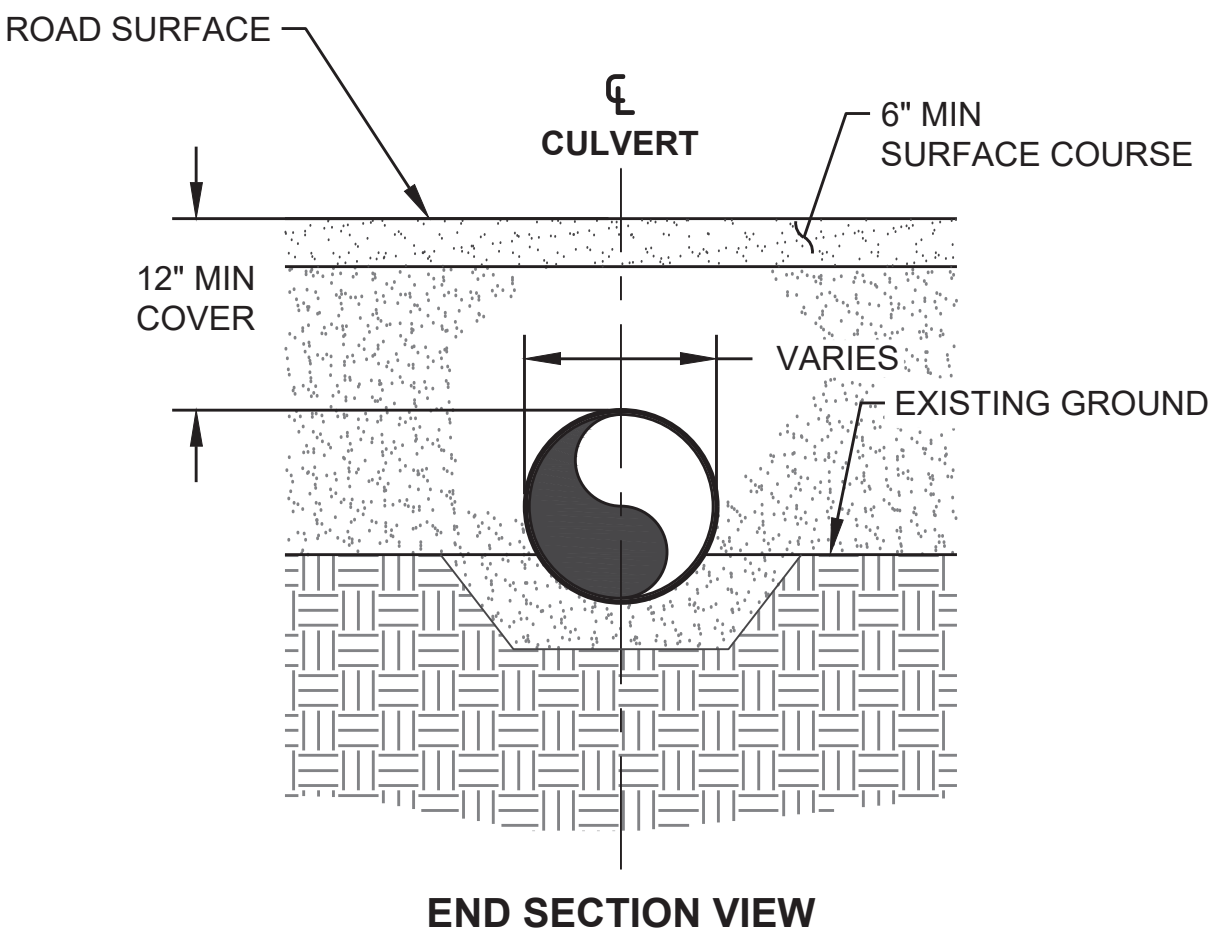
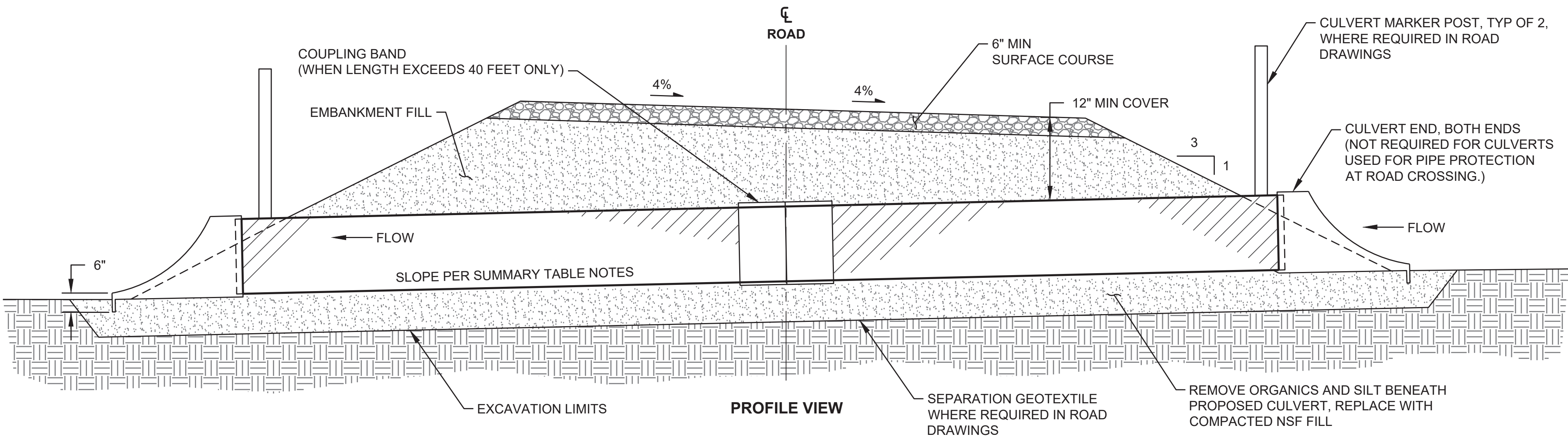
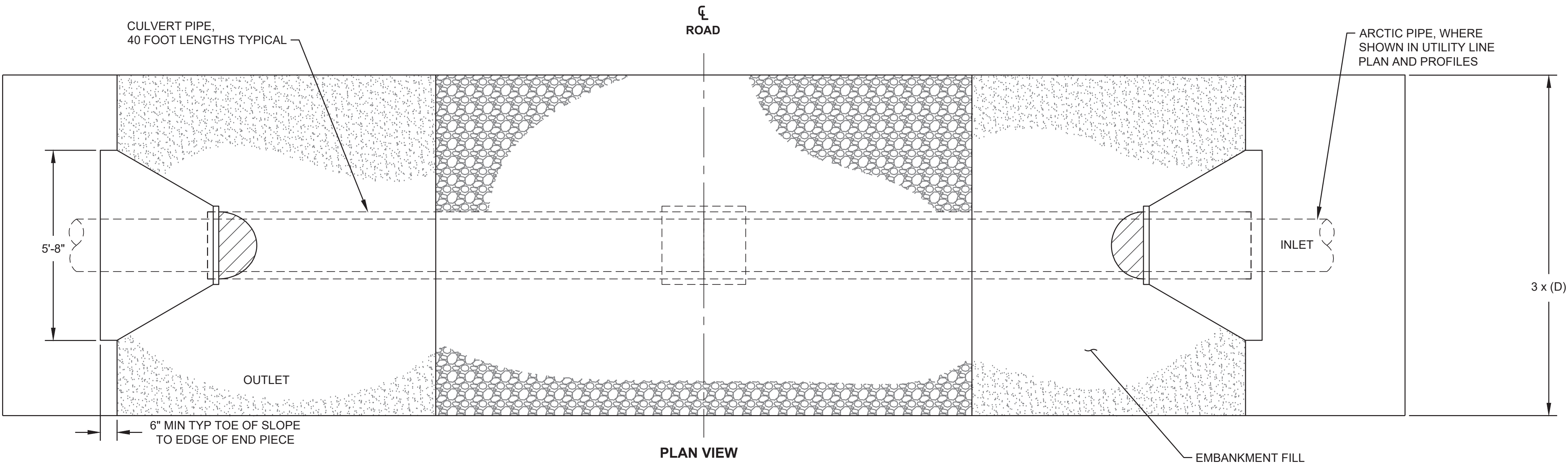


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PHASE 2 - WASTEWATER DISPOSAL
95% DESIGN



A1 CULVERT - TYPICAL DETAIL
NTS

PLAN SET:	WBB-24-016
PROJ MGR:	CC
PROJ ENG:	DN
DRUMS ENG:	ANTHC
DRAWN BY:	DN
SHEET TITLE	

CULVERT DETAIL

CR-502

SHEET 5 OF 5

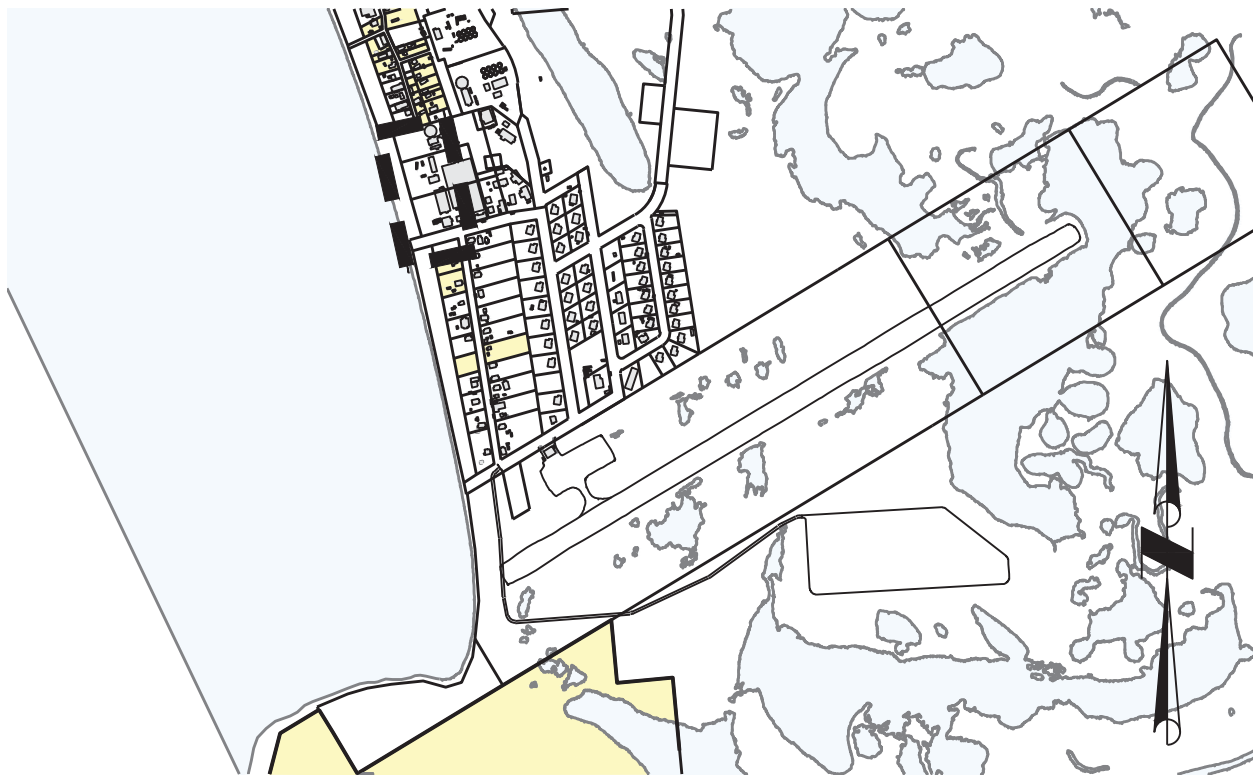


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DISPOSAL
95% DESIGN

0 1"
BAR IS ONE INCH ON
ORIGINAL DRAWING, IF NOT
ADJUST SCALES ACCORDINGLY



VICINITY MAP

SCALE: 1" = 1000'

NOTES:

1. FIELD VERIFY ALL BURIED, ABOVE GRADE, AND OVERHEAD WATER, SEWER, ELECTRIC, HEAT RECOVERY, FUEL RECOVERY, AND COMMUNICATION UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CALL ALASKA DIG LINE (811) AND COORDINATE WITH THE CITY OF STEBBINS PRIOR TO CONSTRUCTION.
2. USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
3. ALL WORK INCLUDING LIMITS OF CLEARING AND GRUBBING SHALL REMAIN WITHIN CITY OF STEBBINS RIGHT OF WAY AND TEMPORARY CONSTRUCTION EASEMENTS.
4. FLUSH AND PRESSURE TEST THE EXISTING FORCE MAIN AND BOTH EXISTING GLYCOL LINES BEFORE CONNECTING THE NEW FORE MAIN AND GLYCOL LINES.
5. CONNECT NEW AND EXISTING FORCE MAIN AND GLYCOL LINES USING BUTT-FUSION OR ELECTROFUSION JOINTS. PROVIDE INSULATION USING PRE-FORMED HALF-SHELLS WITH EXTERIOR BANDING IN ACCORDANCE WITH SHEET SD-131.

MAJOR STRUCTURES			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
CONN1-1	10+15.2	CONNECT TO VACUUM STATION	N=1302279.5 E=642529.7
HB1-1	10+64.4	ARCTIC LONG SWEEP 90° PRESSURE FITTING	N=1302263.7 E=642483.1
HB1-2	11+30.8	ARCTIC 45° PRESSURE FITTING	N=1302200.8 E=642504.4
HB1-3	11+46.8	ARCTIC 45° PRESSURE FITTING	N=1302186.4 E=642497.3
CONN1-2	11+85.1	CONNECT TO EXISTING SEWER FORCE MAIN	FIELD LOCATE

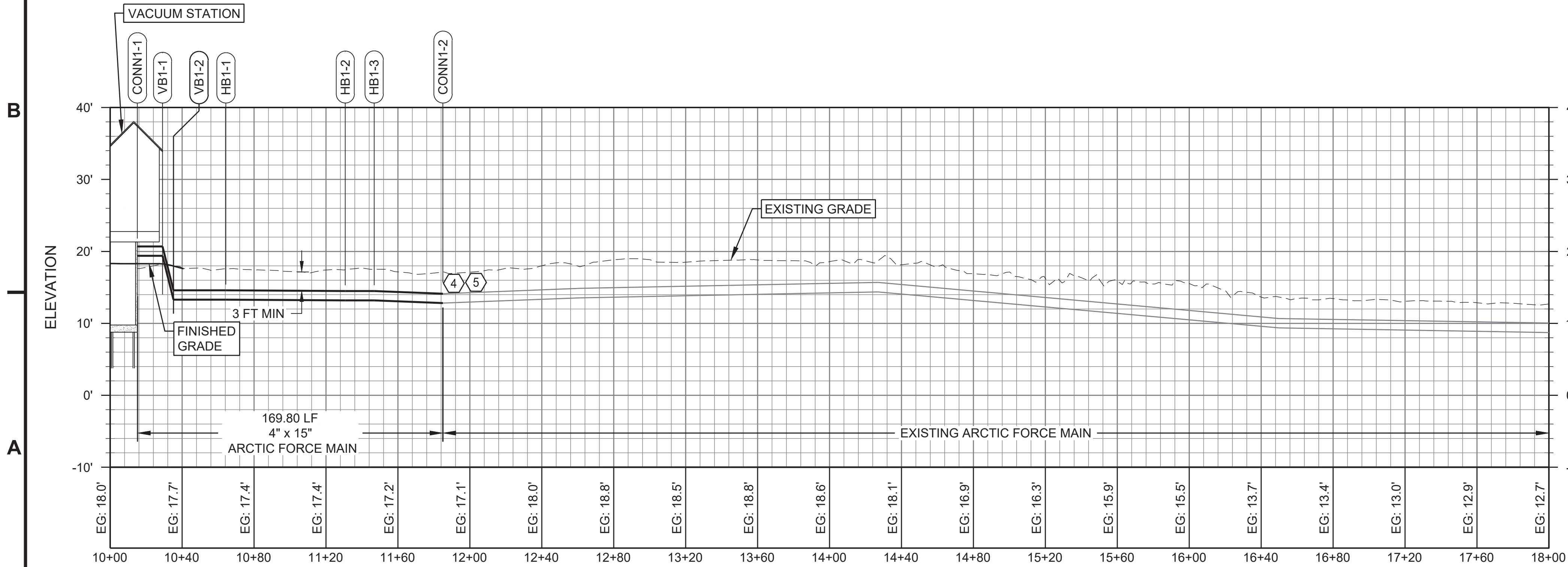
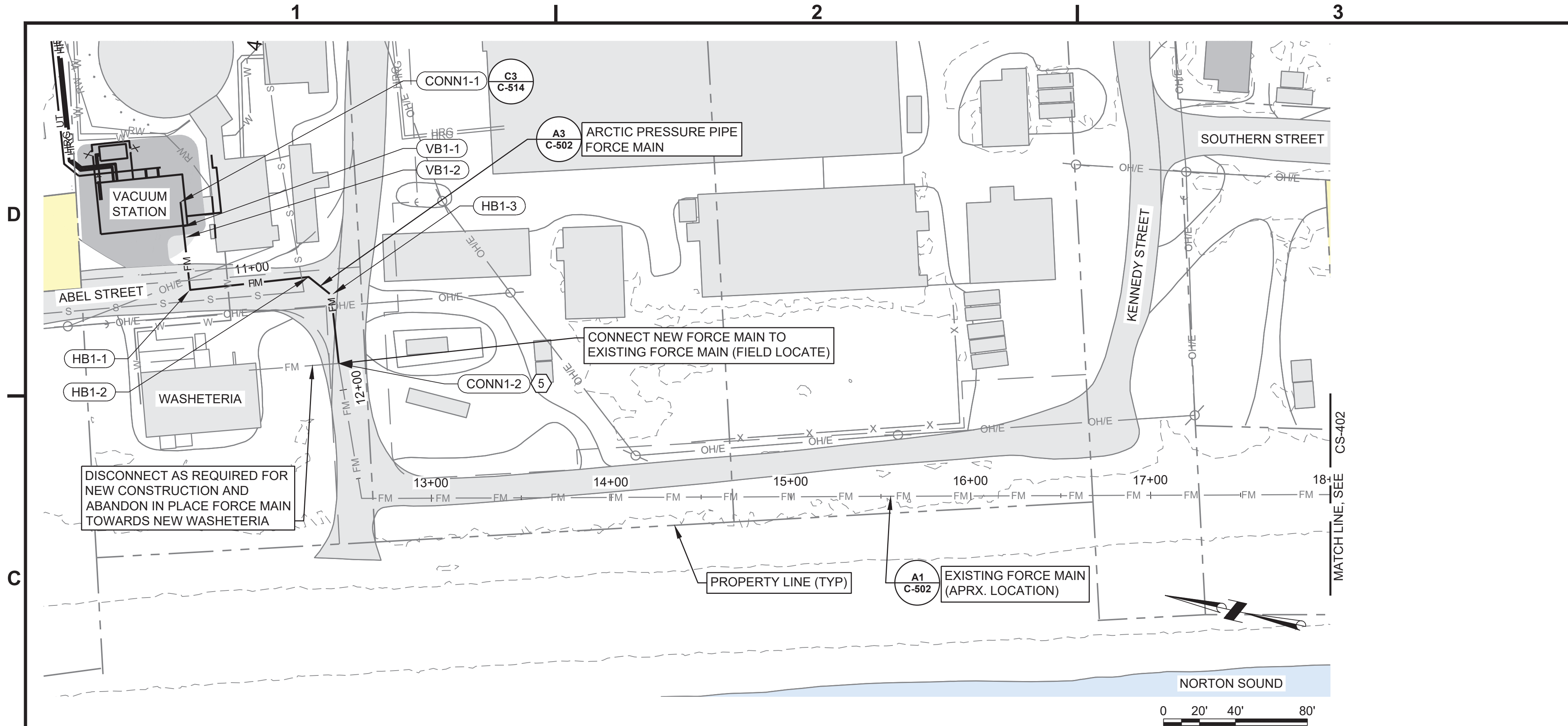
Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 34 of 42 Date: February 26, 2026

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: JM
SHEET TITLE

LAGOON FORCE MAIN
P&P - STA 10+00 TO 19+00

CS-401

SHEET 1 OF 5



A1 LAGOON FORCE MAIN P&P - STA 10+00 TO 19+00

HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



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STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: JM

SHEET TITLE
LAGOON FORCE MAIN
P&P - STA 42+00 TO
50+00

CS-402

SHEET 2 OF 5

--- OF --- TOTAL SHEETS



VICINITY MAP

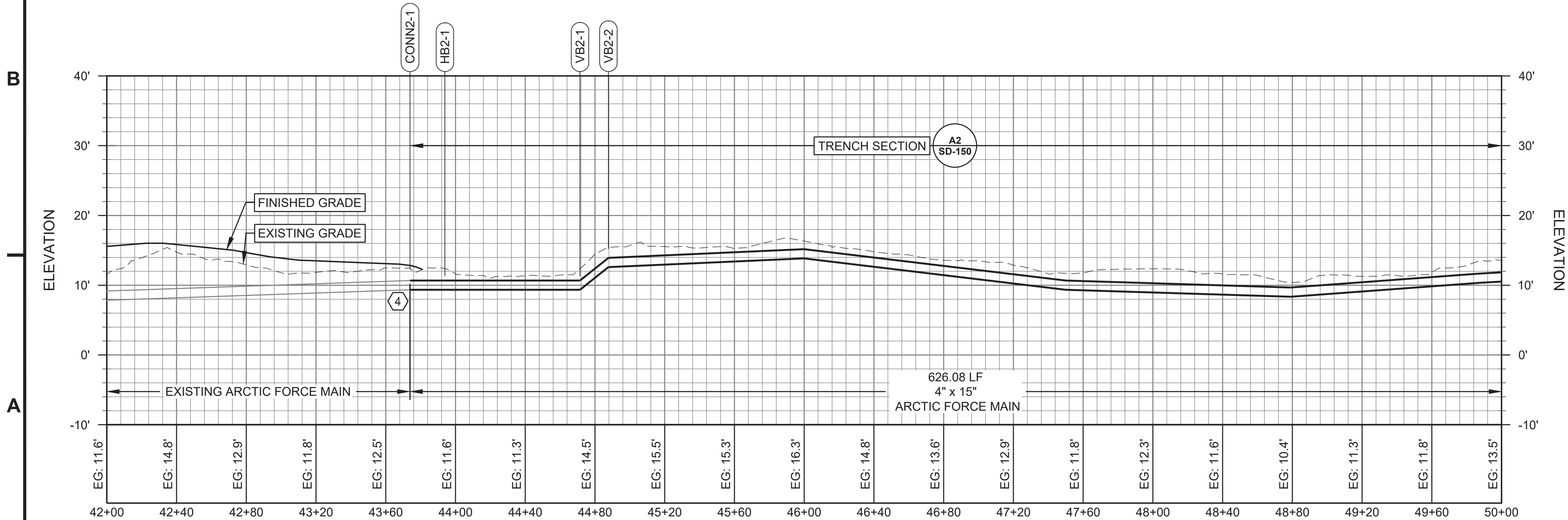
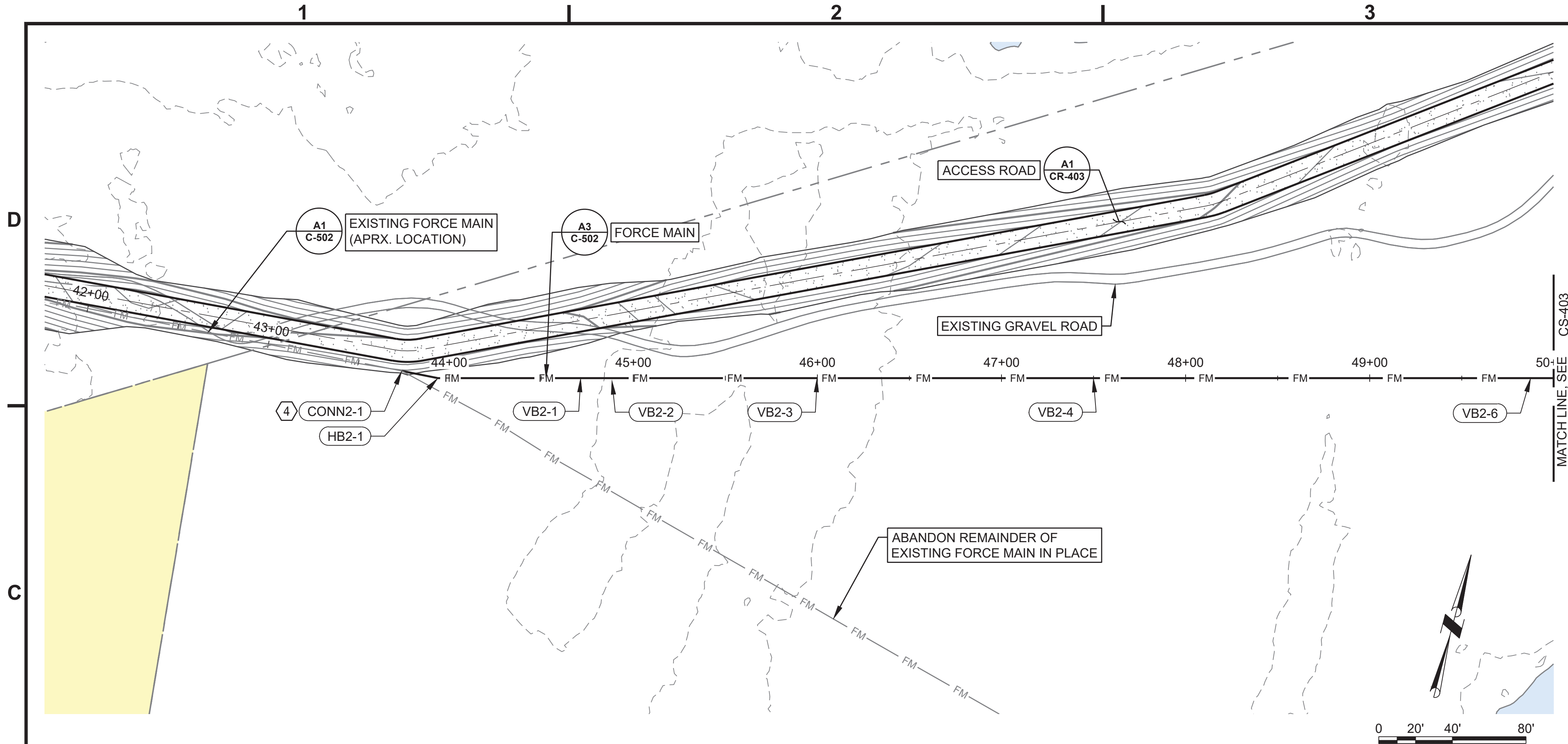
SCALE: 1" = 1000'

NOTES:

- FIELD VERIFY ALL BURIED, ABOVE GRADE, AND OVERHEAD WATER, SEWER, ELECTRIC, HEAT RECOVERY, FUEL RECOVERY, AND COMMUNICATION UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CALL ALASKA DIG LINE (811) AND COORDINATE WITH THE CITY OF STEBBINS PRIOR TO CONSTRUCTION.
- USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
- ALL WORK INCLUDING LIMITS OF CLEARING AND GRUBBING SHALL REMAIN WITHIN CITY OF STEBBINS RIGHT OF WAY AND TEMPORARY CONSTRUCTION EASEMENTS.
- CONNECT NEW AND EXISTING FORCE MAIN AND GLYCOL LINES USING BUTT-FUSION OR ELECTROFUSION JOINTS. PROVIDE INSULATION USING PRE-FORMED HALF-SHELLS WITH EXTERIOR BANDING IN ACCORDANCE WITH SHEET SD-131.

MAJOR STRUCTURES			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
CONN2-1	43+73.9	CONNECT TO EXISTING SEWER FORCE MAIN WITH ARCTIC 22.5° PRESSURE FITTING	FIELD LOCATE
HB2-1	43+93.9	ARCTIC 11.25° PRESSURE FITTING	N=1299777.2 E=643588.1
VB2-1	44+71.5	ARCTIC 11.25° PRESSURE FITTING	N=1299796.9 E=643663.1
VB2-2	44+87.8	ARCTIC 11.25° PRESSURE FITTING	N=1299801.0 E=643678.8

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 35 of 42 Date: February 26, 2026



A1 LAGOON FORCE MAIN P&P - STA 42+00 TO 50+00

HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



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(907) 729-3600

FOR REVIEW ONLY

STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: JM

SHEET TITLE
LAGOON FORCE MAIN
P&P - STA 50+00 TO
57+00

CS-403

SHEET 3 OF 5

--- OF --- TOTAL SHEETS



VICINITY MAP

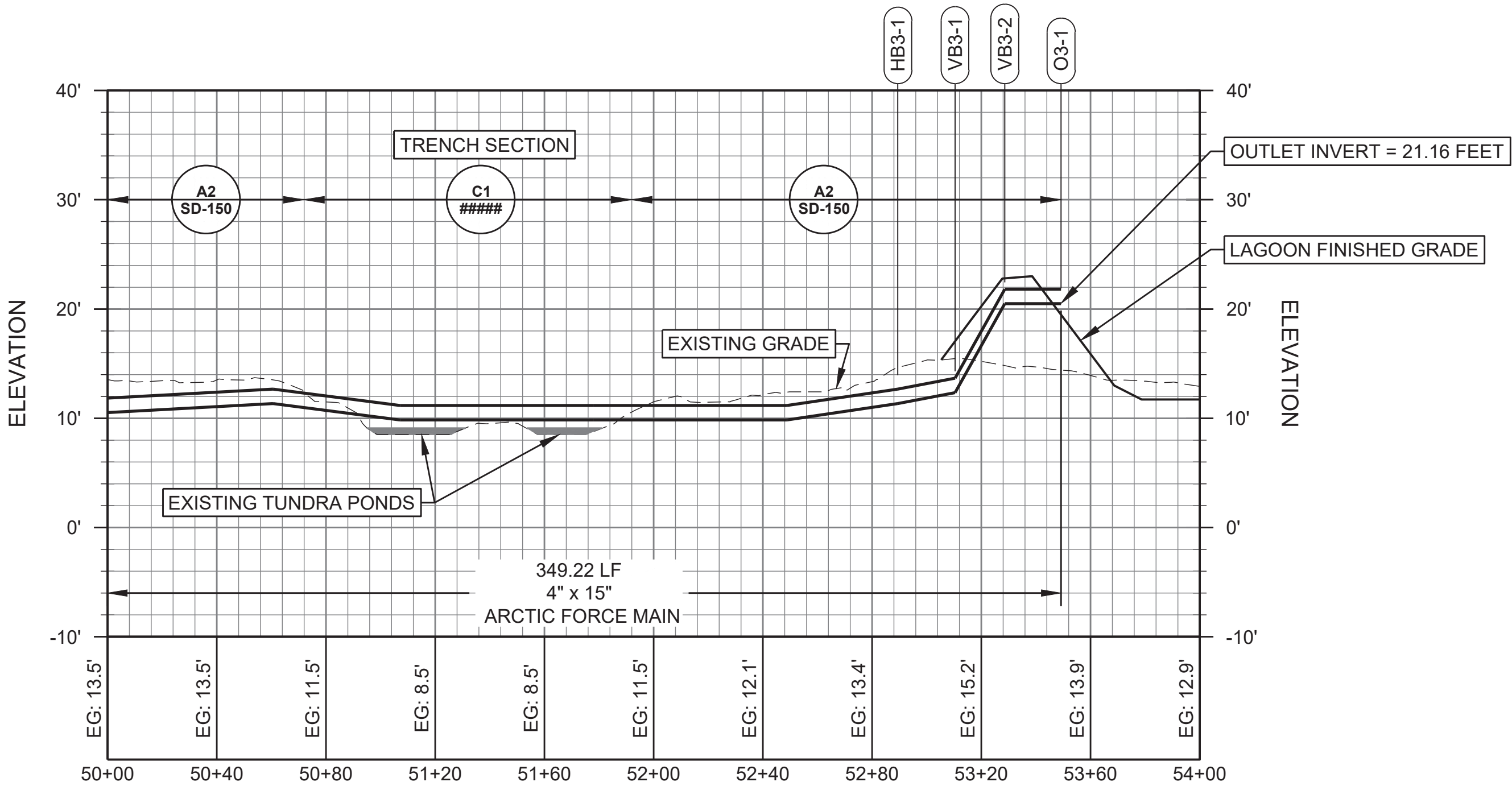
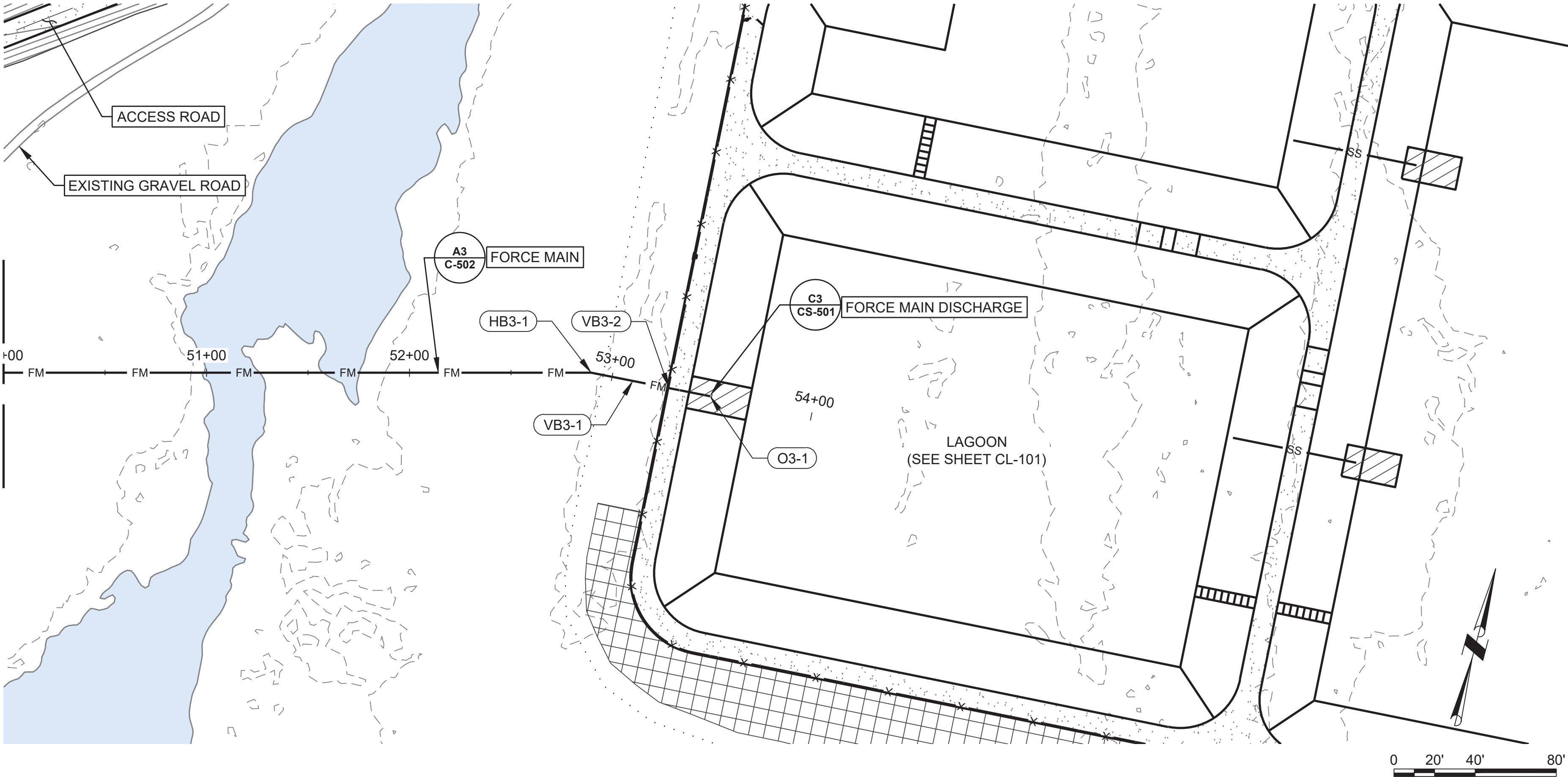
SCALE: 1" = 1000'

NOTES:

1. FIELD VERIFY ALL BURIED, ABOVE GRADE, AND OVERHEAD WATER, SEWER, ELECTRIC, HEAT RECOVERY, FUEL RECOVERY, AND COMMUNICATION UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CALL ALASKA DIG LINE (811) AND COORDINATE WITH THE CITY OF STEBBINS PRIOR TO CONSTRUCTION.
2. USE CAUTION WHEN OPERATING EQUIPMENT AROUND OVERHEAD ELECTRIC AND COMMUNICATION LINES.
3. ALL WORK INCLUDING LIMITS OF CLEARING AND GRUBBING SHALL REMAIN WITHIN CITY OF STEBBINS RIGHT OF WAY AND TEMPORARY CONSTRUCTION EASEMENTS.

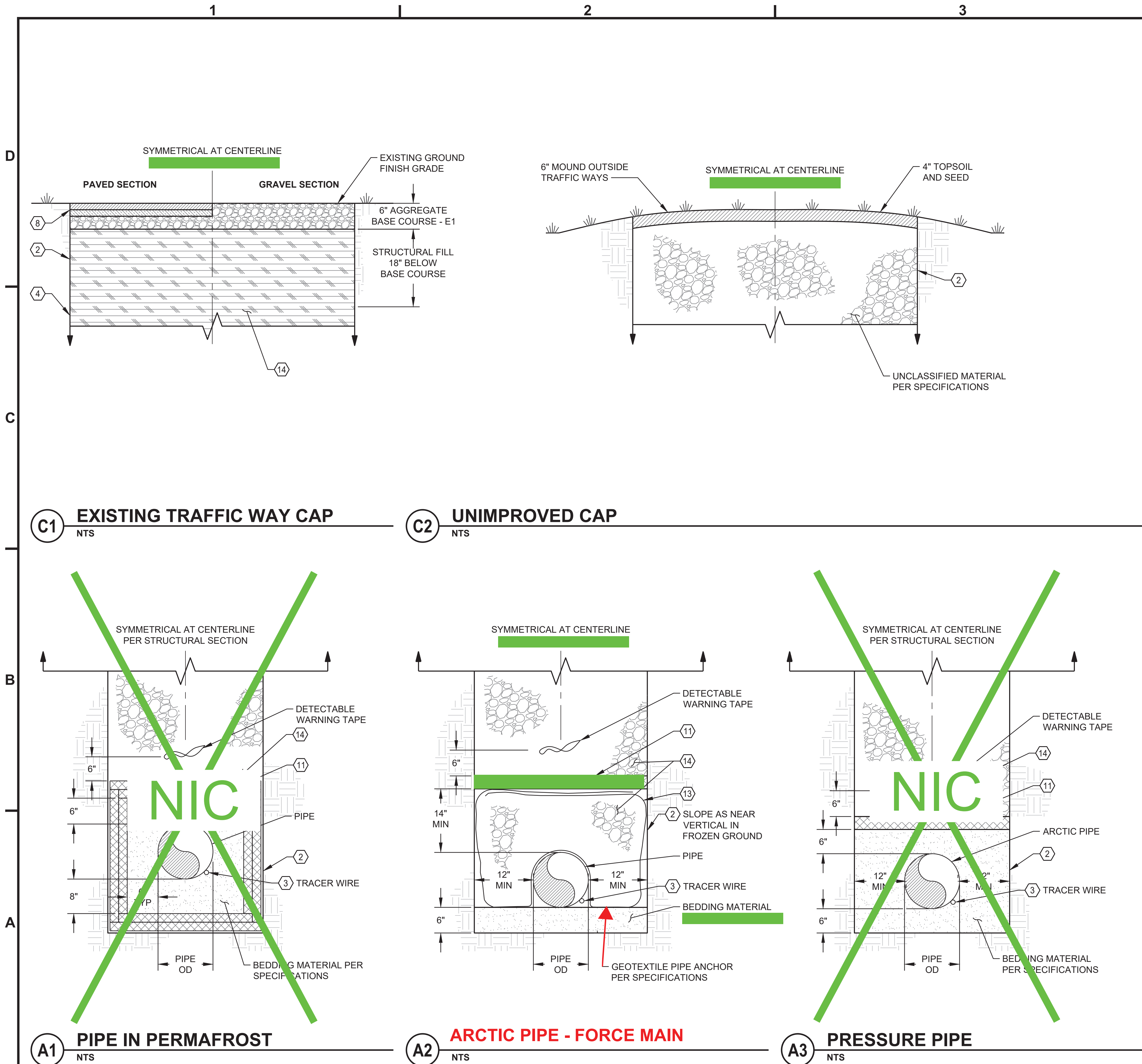
MAJOR STRUCTURES			
ID NUMBER	STATION	DESCRIPTION	COORDINATES
HB3-1	52+89.5	ARCTIC 11.25° PRESSURE FITTING	N=1300004.7 E=644454.2
VB3-1	53+10.4	ARCTIC 22.5° PRESSURE FITTING	N=1300006.0 E=644475.1
VB3-2	53+28.6	ARCTIC 22.5° PRESSURE FITTING	N=1300007.1 E=644493.3
O3-1	53+49.2	SEWER FORCE MAIN DISCHARGE OUTLET TO LAGOON	N=1300008.3 E=644513.9

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 36 of 42 Date: February 26, 2026



A1 LAGOON FORCE MAIN P&P - STA 50+00 TO 57+00

HORZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



NOTES:

1. REMOVE ALL TOPSOILS AND ORGANICS AND STOCKPILE FOR REUSE AS TOPSOIL IN NON-TRAFFIC WAYS.
2. TRENCH WALLS SHALL BE SLOPED OR SHORED AS REQUIRED FOR SAFETY, PER OSHA REQUIREMENTS.
3. INSTALL TRACER WIRE DIRECTLY ON BOTTOM OF PRESSURE PIPE FOR FUTURE LOCATION. DAYLIGHT ENDS OF TRACE WIRE PER PLANS. TRACER WIRE SHALL BE PER SPECIFICATIONS.
4. MINIMUM 36" BURY REQUIRED TO PREVENT TRAFFIC LOADS FROM CRUSHING PIPE. ENGINEER MAY SPECIFY RIGID INSULATION OR DEEPER MINIMUM BURY FOR FREEZE PROTECTION, AND MAY SPECIFY DEEPER BURIAL FOR HEAVY TRAFFIC LOADS.
5. SEE SPECIFICATIONS FOR ADDITIONAL EARTHWORKS REQUIREMENTS.
6. SEE SPECIFICATIONS FOR SEEDING REQUIREMENTS.
7. INSTALL PIPELINE ON A CONTINUOUS GRADE LINE TO THE GREATEST EXTENT POSSIBLE.
8. PAVED ROADWAYS: MATCH EXISTING ROADWAY SUBGRADE, SUBBASE, AGGREGATE MATERIALS AND THICKNESS.
9. GRAVEL ROADS AND PATHWAYS: 6 INCHES MINIMUM OF SURFACE COURSE MATERIAL FOR GRAVEL ROADWAYS AND DRIVEWAYS. MATCH EXISTING OR NEW PROFILES AND GRADES, AND GRADE TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE CENTERLINE OF ROAD. MINIMUM SLOPE AWAY FROM ROAD SHALL BE AS SHOWN IN THE ROAD SECTIONS.
10. REQUIRED MINIMAL BURIAL DEPTH OR FREEZE PROTECTION PER PLANS. SEE PLANS FOR BOARDSTOCK INSULATION BURIAL SUBSTITUTION.
11. INSULATION NOT REQUIRED.
12. INSTALL INSULATION UNDER GRAVITY SEWER IN AREAS OF PERMAFROST.
13. LAP GEOTEXTILE FULL LENGTH OF TRENCH WIDTH.
14. IN TRAFFIC WAY, USE STRUCTURAL FILL FROM BASE COURSE TO TOP OF PIPE BEDDING. IN UNIMPROVED AREAS, NFS FILL OR UNCLASSIFIED MATERIALS AS APPROVED BY THE EOR.



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0 1"
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PIPE TRENCH SECTIONS

STANDARD
DETAIL
VERSION 1

THE REGISTERED ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE PROPER APPLICATION AND INTEGRATION OF THESE DETAILS AND ANY MODIFICATIONS SHOWN. THE ALASKA NATIVE TRIBAL HEALTH CONSORTIUM (ANTHC) OR ITS AGENTS OR EMPLOYEES SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. THIS DRAWING HAS BEEN PREPARED BY ANTHC AS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF ANTHC. ANTHC SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT THERE TO.

SD-150

SHEET 1 OF 1



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0 1"

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ADJUST SCALES ACCORDINGLY

STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: DN
SHEET TITLE

SEWAGE LAGOON
SUBGRADE
PREPARATION PLAN

CL-103

SHEET 3 OF 12

--- OF --- TOTAL SHEETS

NOTES:

1. ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.

REINFORCEMENT GEOTEXTILE SUMMARY

LOCATION	AREA (SF)	REMARKS
SEWAGE LAGOON SUBGRADE	485,000	
TOTALS	485,000	

NOTES:

1. PLACE REINFORCEMENT GEOTEXTILE SO THAT FABRIC COVERS THE ENTIRE LAGOON FOOTPRINT. GEOTEXTILE QNATITIES SHOWN ABOVE ARE NOMINAL, EXCLUDING REQUIRED OVERLAP.

2. OVERLAP AT LEAST 3 FEET AT ALL LONGITUDINAL AND TRANSVERSE JOINTS. STITCHING MAY BE USED IN LIEU OF OVERLAP, IF APPROVED BY THE ENGINEER. WHEN SEWING, FOLD ADJACENT SECTIONS SO THE STITCHING PENETRATES FOUR LAYERS. USE DOUBLE-THREAD LOCK STITCH (BUTTERFLY OR J-SEAM). STITCH LINE APPROXIMATELY 1-1/4" FROM THE FOLDED EDGE AND AT LEAST 1/2" FROM FREE EDGE.

3. QUANTITIES OF GEOTEXTILE NOTED IN THIS TABLE EXCLUDE GEOTEXTILE REQUIRED FOR THE LAGOON LINER ASSEMBLY.

LEGEND

TYPE	DESCRIPTION
1	EXCAVATE 6" BELOW EXISTING GRADE
2	EXCAVATE 1' BELOW EXISTING GRADE
3	EXCAVATE 2' BELOW EXISTING GRADE

APPROXIMATE EXTENT OF EXCAVATION SPOILS

APPROXIMATE LAGOON EXTENTS, (TYP)

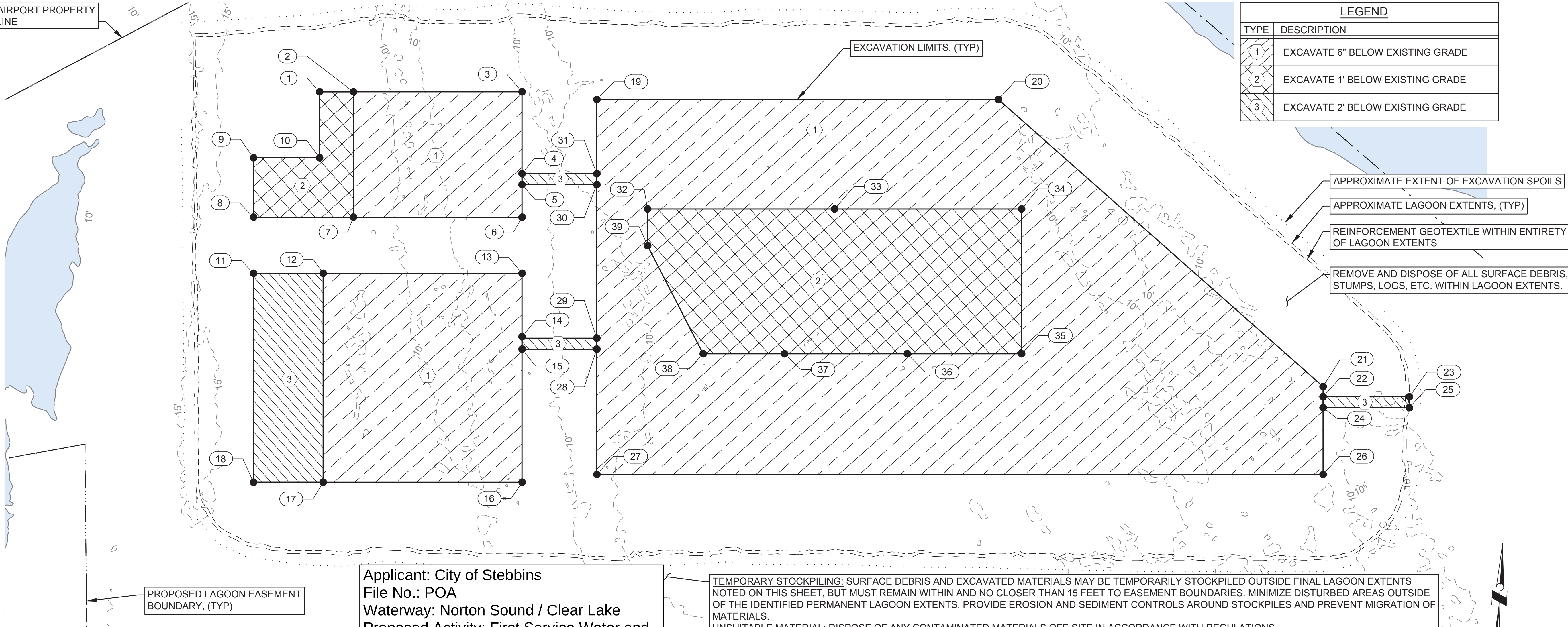
REINFORCEMENT GEOTEXTILE WITHIN ENTIRETY OF LAGOON EXTENTS

REMOVE AND DISPOSE OF ALL SURFACE DEBRIS, STUMPS, LOGS, ETC. WITHIN LAGOON EXTENTS.

POINT TABLE			
POINT #	NORTHING	EASTING	BOTTOM OF EXCAVATION ELEVATION (FT, NADV88)
1	1300272.01	644568.43	11.96
2	1300273.77	644599.24	10.12
3	1300282.49	644752.14	10.27
4	1300208.15	644756.38	8.57
5	1300198.16	644756.94	8.56
6	1300168.68	644758.63	10.66
7	1300159.96	644605.74	9.36
8	1300154.78	644515.02	12.72
9	1300208.69	644511.95	12.76
10	1300212.11	644571.85	11.47
11	1300103.86	644517.93	11.64
12	1300107.47	644581.18	10.44
13	1300117.76	644761.53	10.88
14	1300060.13	644764.82	10.00
15	1300048.85	644765.46	8.73

POINT TABLE			
POINT #	NORTHING	EASTING	BOTTOM OF EXCAVATION ELEVATION (FT, NADV88)
16	1299928.07	644772.35	10.02
17	1299917.78	644592.00	9.53
18	1299914.17	644528.75	12.27
19	1300279.37	644820.42	10.00
20	1300300.16	645184.83	10.00
21	1300056.38	645494.21	8.99
22	1300047.15	645494.74	7.49
23	1300051.61	645572.97	7.52
24	1300037.17	645495.31	7.57
25	1300041.63	645573.54	7.83
26	1299976.51	645498.77	9.03
27	1299938.93	644839.84	8.90
28	1300052.72	644833.35	7.45
29	1300062.71	644832.78	7.28
30	1300202.04	644824.83	8.51

POINT TABLE			
POINT #	NORTHING	EASTING	BOTTOM OF EXCAVATION ELEVATION (FT, NADV88)
31	1300212.02	644824.26	8.78
32	1300182.65	644872.16	10.31
33	1300192.33	645041.86	10.50
34	1300202.01	645211.56	10.68
35	1300070.54	645219.06	9.57
36	1300064.63	645115.31	9.50
37	1300058.27	645003.82	11.05
38	1300054.06	644930.12	9.68
39	1300149.22	644874.07	9.72



PROPOSED LAGOON EASEMENT
BOUNDARY, (TYP)

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 38 of 42 Date: February 26, 2026

TEMPORARY STOCKPILING: SURFACE DEBRIS AND EXCAVATED MATERIALS MAY BE TEMPORARILY STOCKPILED OUTSIDE FINAL LAGOON EXTENTS NOTED ON THIS SHEET, BUT MUST REMAIN WITHIN AND NO CLOSER THAN 15 FEET TO EASEMENT BOUNDARIES. MINIMIZE DISTURBED AREAS OUTSIDE OF THE IDENTIFIED PERMANENT LAGOON EXTENTS. PROVIDE EROSION AND SEDIMENT CONTROLS AROUND STOCKPILES AND PREVENT MIGRATION OF MATERIALS.
UNSUITABLE MATERIAL: DISPOSE OF ANY CONTAMINATED MATERIALS OFF-SITE IN ACCORDANCE WITH REGULATIONS.
SEE SHEET CL-104 FOR OVERBURDEN REPLACEMENT AND DISTURBED AREA RESTORATION REQUIREMENTS.

A1 SEWAGE LAGOON SUBGRADE PREPARATION PLAN
1" = 50'



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STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK DATE DESCRIPTION INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: DN
SHEET TITLE

SEWAGE LAGOON SITE
PLAN

CL-101

SHEET 1 OF 12

--- OF --- TOTAL SHEETS

NOTES:

- ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE PROJECT.
- LAGOON SECURITY SIGN, TYPICAL OF 9, SEE SHEET CL-503, DETAIL B1.
- TEST HOLE LOCATIONS ARE APPROXIMATE. SEE 2025 GEOTECHNICAL DATA AND RECOMMENDATIONS REPORTS FOR ADDITIONAL TEST HOLE INFORMATION.

WATER PRE-FILL SUMMARY

LOCATION	FILL ELEVATION (NAD83)	REQUIRED WATER (GAL)
CELL #1	15'	353,000
CELL #2	15'	813,000
CELL #3	15'	3,002,500
TOTAL		4,168,500

CONSTRUCTION SEQUENCING:

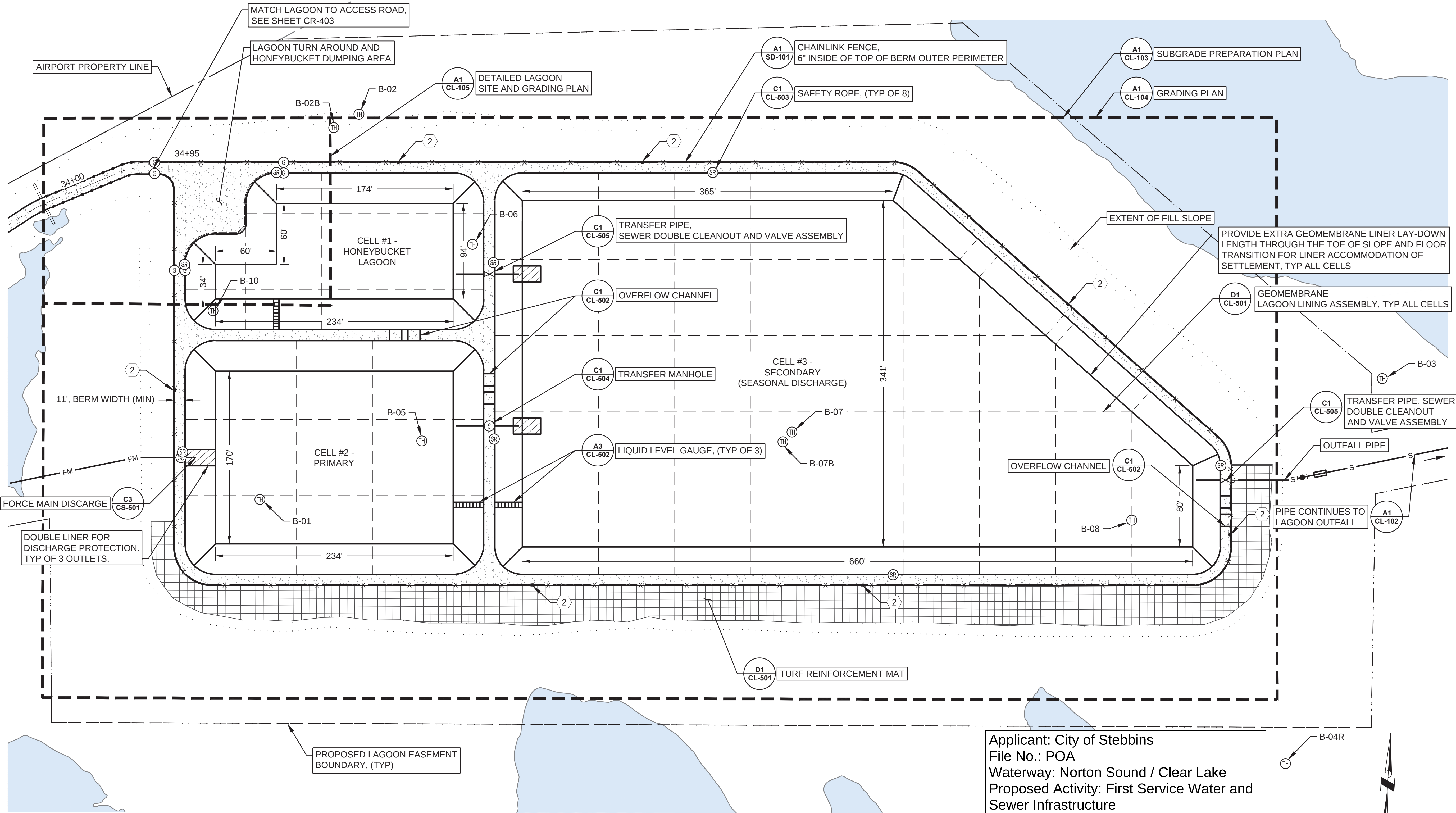
EXCAVATION CAN TAKE PLACE IN ANY SEASON. PLACEMENT OF NEW FILL SHALL TAKE PLACE IN THE LATE SUMMER (AFTER AUGUST 1) TO ALLOW FOR MELTING OF THE SEASONAL FROST LAYER. EMBANKMENT FILL, MANHOLES, AND PIPING SHALL BE PLACED DURING THE FIRST SUMMER AND LEFT TO CONSOLIDATE THE SUBGRADE. THE FOLLOWING SUMMER, ADDITIONAL FILL SHALL BE PLACED TO BRING THE LAGOON TO THE PROPOSED FINISH GRADES AND THE LINER, LINER APPURTENANCES, FENCING AND OTHER COMPONENTS SHALL BE INSTALLED. PRE-FILL ALL CELLS WITH SURFACE WATER FROM THE ADJACENT PONDS TO ACHIEVE A MINIMUM WATER SURFACE ELEVATION OF 15 FEET TO ANCHOR THE MEMBRANE LINER WITHIN EACH CELL.

D

C

B

A



Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 39 of 42 Date: February 26, 2026

A1 SEWAGE LAGOON SITE PLAN
1" = 50'



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95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: DN
SHEET TITLE

SEWAGE LAGOON
GRADING PLAN

CL-104

SHEET 4 OF 12

--- OF --- TOTAL SHEETS

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 40 of 42 Date: February 26, 2026

NOTES:

- ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF
OVERBURDEN SHALL REMAIN WITHIN THE EASEMENTS FOR THE
PROJECT.

OVERBURDEN REPLACEMENT: AFTER EMBANKMENTS ARE
CONSTRUCTED TO DESIGN LINES AND GRADES, OVERBURDEN SHALL BE
PLACED ON EXTERIOR SLOPES, EVENLY DISTRIBUTED, AND GRADED TO
A STABLE FINISHED SLOPE NO STEEPER THAN 3H:1V. PLACE AND
COMPACT MATERIAL IN A MANNER SUFFICIENT TO PROVIDE A STABLE,
EROSION-RESISTANT SLOPE.
SURFACE RESTORATION: PLACE TURF REINFORCEMENT MAT WHERE
IDENTIFIED IN THE DRAWINGS. SEED ALL FINAL SLOPES AND DISTURBED
AREAS.

SLOPE TOP OF EXTERIOR
BERMS TO EXTERIOR OF LAGOON
FOR SURFACE DRAINAGE AWAY
FROM CELLS, (TYP)

APPROX. FILL LIMITS (TYP)

BOTTOM SLOPED
FOR GAS VENTING
(TYP ALL CELLS)

CELL #3 -
SECONDARY
(SEASONAL DISCHARGE)

GRADE BREAK (TYP)

CELL 1 OVERFLOW
ELEV 21.0'

CELL 2 OVERFLOW
ELEV 20.0'

CELL #2 -
PRIMARY

CELL 3 OVERFLOW
ELEV 22.0'

PROPOSED LAGOON EASEMENT
BOUNDARY, (TYP)

EXCAVATION AND FILL SUMMARY

LOCATION	ITEM NO.	UNIT	QUANTITY	REMARKS
SEWAGE LAGOON	EXCAVATION	CY	6,856	
	EMBANKMENT FILL	CY	88,490	
	SURFACE COURSE	CY	527	

NOTES:

- VOLUMES INCLUDE CUT AND FILL STARTING AT THE END OF THE LAGOON ROAD (STA 34+80) AND INCLUDE THE BALANCE OF SEWAGE LAGOON AREA.
- FILL AND EXCAVATION QUANTITIES ARE ESTIMATED NEAT LINE QUANTITIES ONLY AND ARE PROVIDED FOR INFORMATIONAL PURPOSES. NO ALLOWANCE HAS BEEN MADE FOR SUBSIDENCE/SETTLING, SHRINKAGE/SWELL, OVER-EXCAVATION, WASTE, OR OTHER CONTINGENCIES. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND PROVIDE ALL MATERIALS AS NECESSARY TO COMPLETE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- EXCAVATION VOLUME IS BASED ON THE REMOVAL OF SURFACE ORGANICS AND UNDERLYING ORGANIC SILT LAYER AS SHOWN ON SHEET CL-103.



0 50' 100'

SEWAGE LAGOON GRADING PLAN

1" = 50'



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0 1"

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STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK DATE DESCRIPTION

BB-24-016

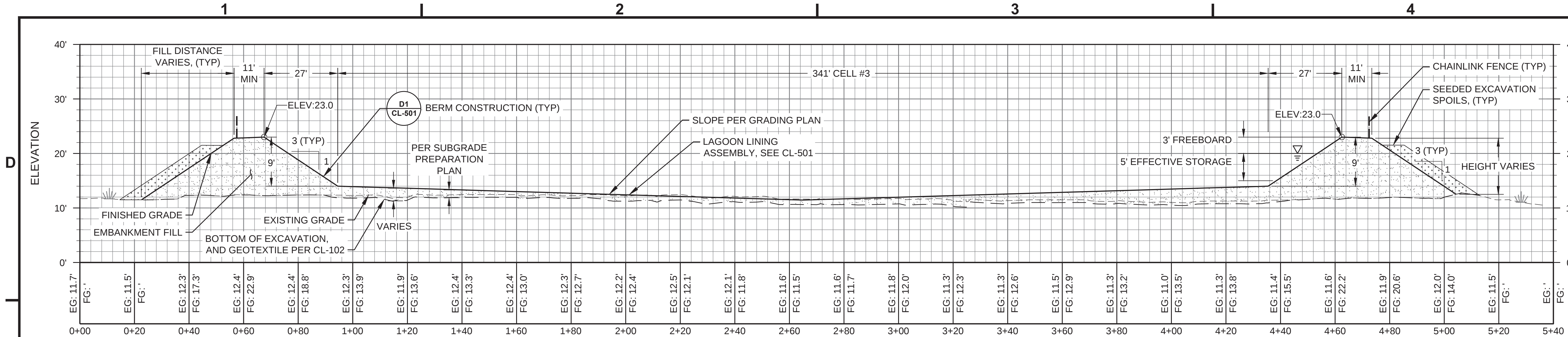
THC

POON SITE
NS

CL-301

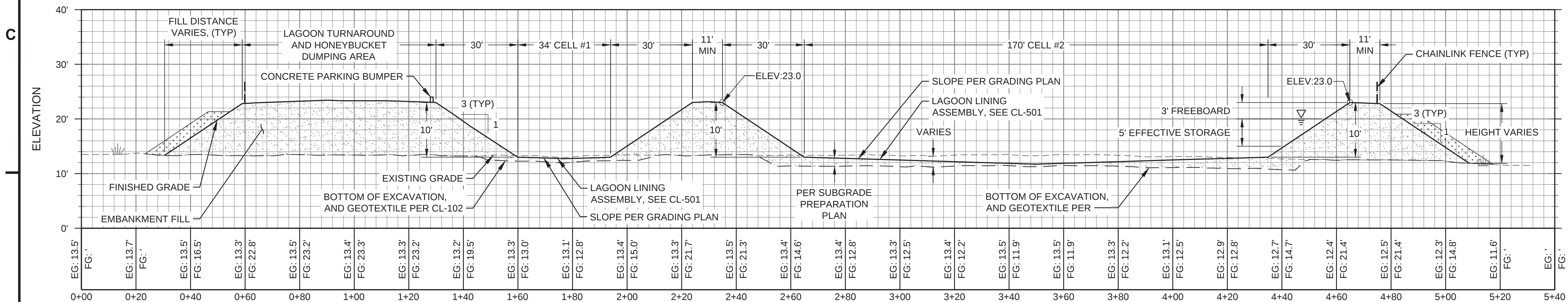
SHEET 7 OF 12

--- OF --- TOTAL SHEETS



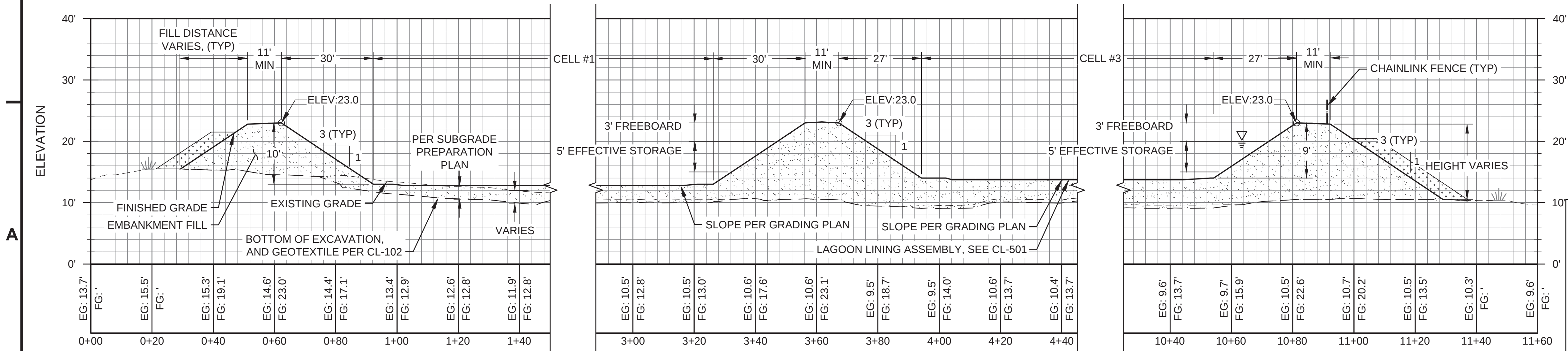
C1 SECTION C1

HORZ. SCALE 1" = 20'
VERT. SCALE 1" = 10'



B1 SECTION B1

HORZ. SCALE 1" = 20'
VERT. SCALE 1" = 10'



A1 SECTION A1

HORZ. SCALE 1" = 20'
VERT. SCALE 1" = 10'

Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 41 of 42 Date: February 26, 2026



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STEBBINS, AK
1ST SERVICE
PHASE 2 - WASTEWATER
DISPOSAL
95% DESIGN

MRK	DATE	DESCRIPTION	INIT

PLAN SET: WBB-24-016
PROJ MGR: CC
PROJ ENG: DN
DRUMS ENG: ANTHC
DRAWN BY: DN
SHEET TITLE

SEWAGE LAGOON
OUTFALL PLAN

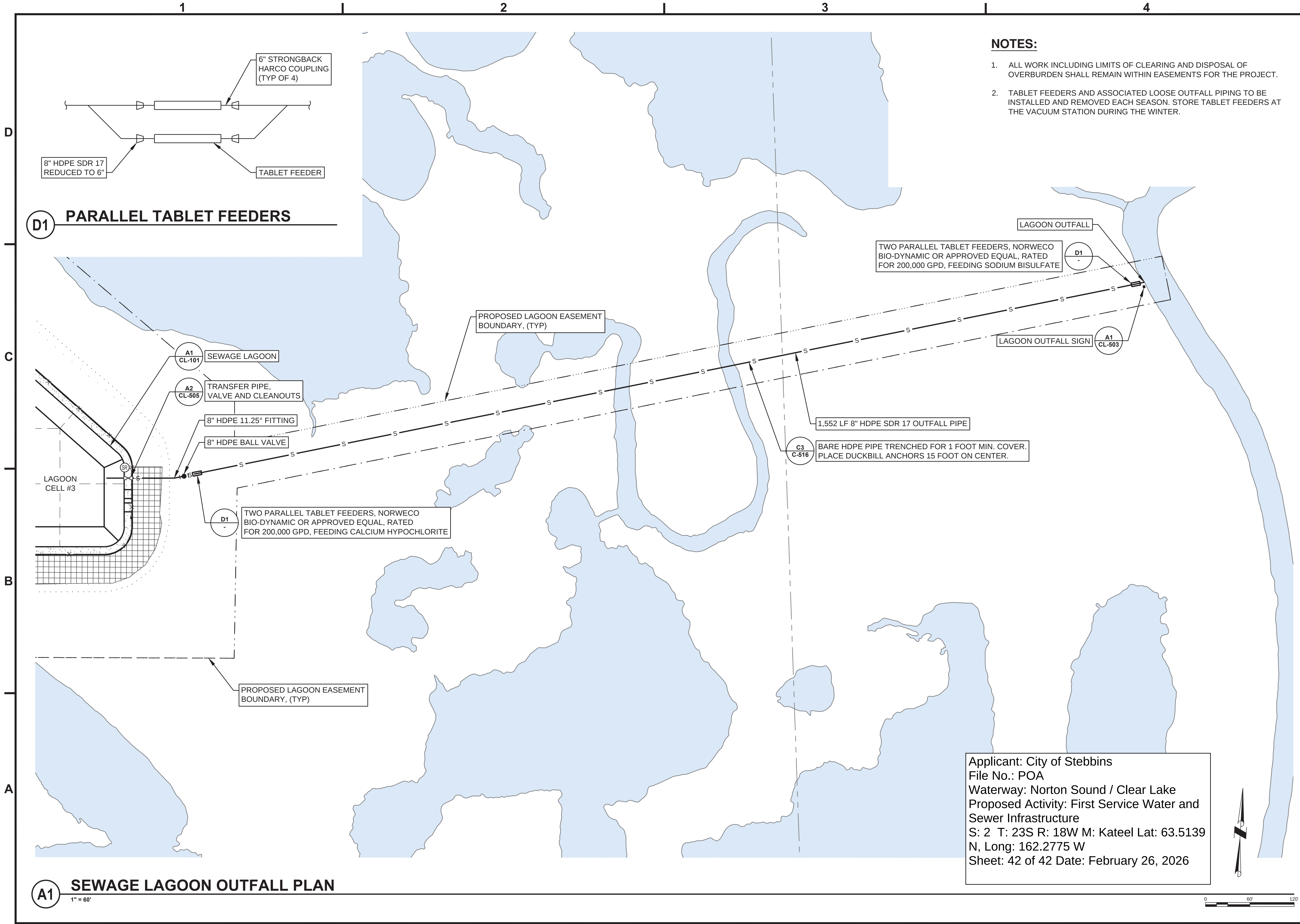
CL-102

SHEET 2 OF 12

--- OF --- TOTAL SHEETS

NOTES:

- ALL WORK INCLUDING LIMITS OF CLEARING AND DISPOSAL OF OVERBURDEN SHALL REMAIN WITHIN EASEMENTS FOR THE PROJECT.
- TABLET FEEDERS AND ASSOCIATED LOOSE OUTFALL PIPING TO BE INSTALLED AND REMOVED EACH SEASON. STORE TABLET FEEDERS AT THE VACUUM STATION DURING THE WINTER.



Applicant: City of Stebbins
File No.: POA
Waterway: Norton Sound / Clear Lake
Proposed Activity: First Service Water and
Sewer Infrastructure
S: 2 T: 23S R: 18W M: Kateel Lat: 63.5139
N, Long: 162.2775 W
Sheet: 42 of 42 Date: February 26, 2026



0 60' 120'

A1 SEWAGE LAGOON OUTFALL PLAN
1" = 60'