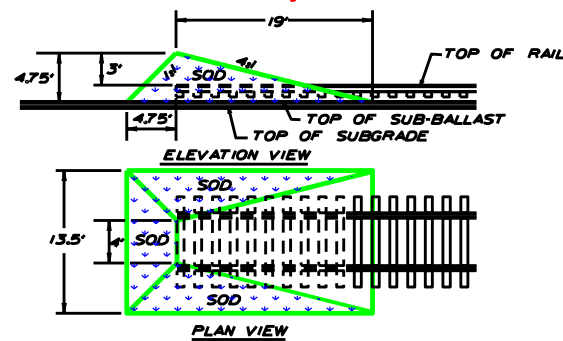


**Approximate Grading quantities:**  
 Cut - 2081 cy  
 Fill - 422 cy

**Net waste - 1,659 cy**  
**Type II backfill - 1018 cy**  
 All Soil to be wasted shall be sent for off site disposal.  
 Soils shall be thermally remediated at Alaska Soil Remediation.



**EARTHMOUND DETAIL**

**NO SCALE**

**Legend:**

- Proposed Track to serve PetroStar: █
- Proposed track to serve ABI: █
- Proposed foundation trench: █
- Proposed Pipe Casing: █
- Proposed Limits of Grading: █
- Proposed Rail Rack Area: █



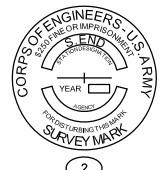
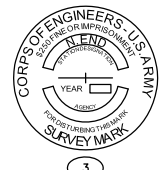
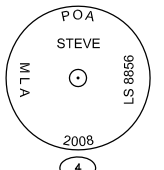
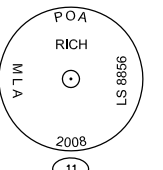
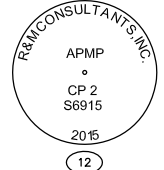
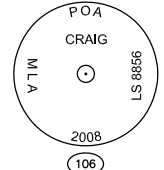
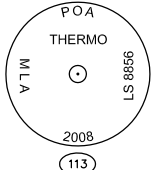

**ALASKA RAILROAD CORPORATION**  
 ENGINEERING SERVICES  
 P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500

|              |     |   |             |
|--------------|-----|---|-------------|
| PROJECT:     |     | PetroStar Inc.<br>Anchorage Rail Terminal |             |
| DATE:        |     | General Site Plan                         |             |
| DESIGNED BY: | JDM | SCALE:                                    | H: AS NOTED |
| DRAWN BY:    | JDM | V: AS NOTED                               |             |
| CHECKED BY:  | -   | DATE:                                     | 04/23/2019  |
| APPROVED BY: | BJA |   |             |
| REV. DATE BY |     |   | REVISION    |
| ACAD FILE:   |     |   | AFE NO.:    |
| DWG NO.:     |     |   | 1 OF 8      |

**SURVEY NOTES**

THE FIELD SURVEY WAS PERFORMED BY R&M CONSULTANTS, INC. BETWEEN APRIL 16, 2018 AND APRIL 23, 2018, AND JUNE 12, 2017 AND JUNE 15, 2017. FIELD SURVEY INFORMATION FOR THIS PROJECT IS LOCATED IN R&M FIELD BOOK No. 2252.04, PAGES 1 THROUGH 21, AND M.O.A. FIELD BOOK NO. 3668, PAGES 51 THROUGH 58.

**MONUMENT DESCRIPTIONS**

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| 3 1/2" BRASS CAP FLUSH WITH CONCRETE, IN GOOD CONDITION                             | 3 1/2" BRASS CAP FLUSH WITH CONCRETE, IN GOOD CONDITION                             | 3 1/4" BRASS CAP ON DRIVE ROD INSIDE PVC, IN GOOD CONDITION                         | 3 1/4" BRASS CAP ON DRIVE ROD INSIDE PVC, IN GOOD CONDITION                         |
|  |  |  |  |
| 3 1/4" BRASS CAP FLUSH WITH CONCRETE, IN GOOD CONDITION                             | 3 1/4" BRASS CAP ON DRIVE ROD INSIDE PVC, IN GOOD CONDITION                         | 3 1/4" ALUMINUM MONUMENT ON DRIVE ROD INSIDE PVC, IN GOOD CONDITION                 | 3 1/2" BRASS CAP FLUSH IN CONCRETE, IN GOOD CONDITION                               |

| HORIZONTAL CONTROL |              |              |                       |
|--------------------|--------------|--------------|-----------------------|
| POINT No.          | NORTH        | EASTING      | DESCRIPTION           |
| 4                  | 350,521.7170 | 349,217.0700 | Brass Cap "Steve"     |
| 11                 | 347,476.1228 | 348,075.3608 | Brass Cap "Rich"      |
| 12                 | 349,183.2883 | 348,628.6081 | Brass Cap "APMP CP 2" |
| 106                | 346,055.0165 | 348,693.4329 | Brass Cap "Craig"     |
| 113                | 346,203.7831 | 347,847.7287 | Brass Cap "Thermo"    |

| VERTICAL CONTROL |         |         |           |                          |
|------------------|---------|---------|-----------|--------------------------|
| POINT No.        | NORTH   | EASTING | ELEVATION | DESCRIPTION              |
| 2                | 347,716 | 347,392 | 40.56     | Brass Cap "S. End"       |
| 3                | 350,069 | 348,249 | 41.50     | Brass Cap "N. End"       |
| 407              | 346,321 | 347,383 | 43.87     | TBM: "X" in Bollard      |
| 408              | 346,237 | 347,387 | 42.87     | TBM: "X" in Pipe Support |
| 611              | 345,827 | 347,723 | 38.83     | Brass Cap "5920 K 2011"  |
| 5776             | 346,711 | 347,417 | 44.43     | TBM: N. Bolt Bollard     |
| 6093             | 346,341 | 347,483 | 39.02     | TBM: N. Bolt Flange      |

**HORIZONTAL CONTROL STATEMENT**

**COORDINATE SYSTEM**  
THIS PROJECT IS LOCATED ENTIRELY WITHIN THE ANCHORAGE BOWL 2000 ADJUSTMENT, A LOCAL SURFACE GRID COORDINATE SYSTEM EXPRESSED IN U.S. SURVEY FEET UNITS DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION.

**BASIS OF COORDINATES**  
THE BASIS OF COORDINATES IS NGS STATION O'MALLEY, LOCATED NEAR THE INTERSECTION OF THE NEW SEWARD HIGHWAY AND O'MALLEY ROAD. SAID STATION HAS ANCHORAGE BOWL 2000 COORDINATES OF 303939.2310 N, 353362.5446 E. (U.S. SURVEY FEET).

**BASIS OF BEARINGS**  
THE BASIS OF BEARINGS IS A LOCAL PLANE BEARING BETWEEN NGS STATION O'MALLEY AND NGS STATION LOOP 2 USE RM 3 1964. NGS STATION LOOP 2 USE RM 3 1964 BEARS N 01°43'26.4" E A DISTANCE OF 49488.4476 FEET FROM NGS STATION O'MALLEY. NGS STATION LOOP 2 USE RM 3 1964 HAS ANCHORAGE BOWL 2000 COORDINATES OF 353405.2778 N, 354851.3982 E. (U.S. SURVEY FEET).

**PROJECT BASIS OF COORDINATES**  
THE BASIS OF COORDINATES FOR THIS PROJECT IS POINT NO. 551, LOOP 2 USE RM 3 1964 HOLDING THE COORDINATES STATED ABOVE IN THE BASIS OF BEARINGS.

**TRANSLATION PARAMETERS**  
TO CONVERT THE LOCAL COORDINATES TO NAD83 (92) STATE PLANE COORDINATES EXPRESSED IN U.S. SURVEY FEET, TRANSLATE USING +2,296,868.6878 N, +1,312,517.4904 E, AND SCALE USING 0.9998910192.

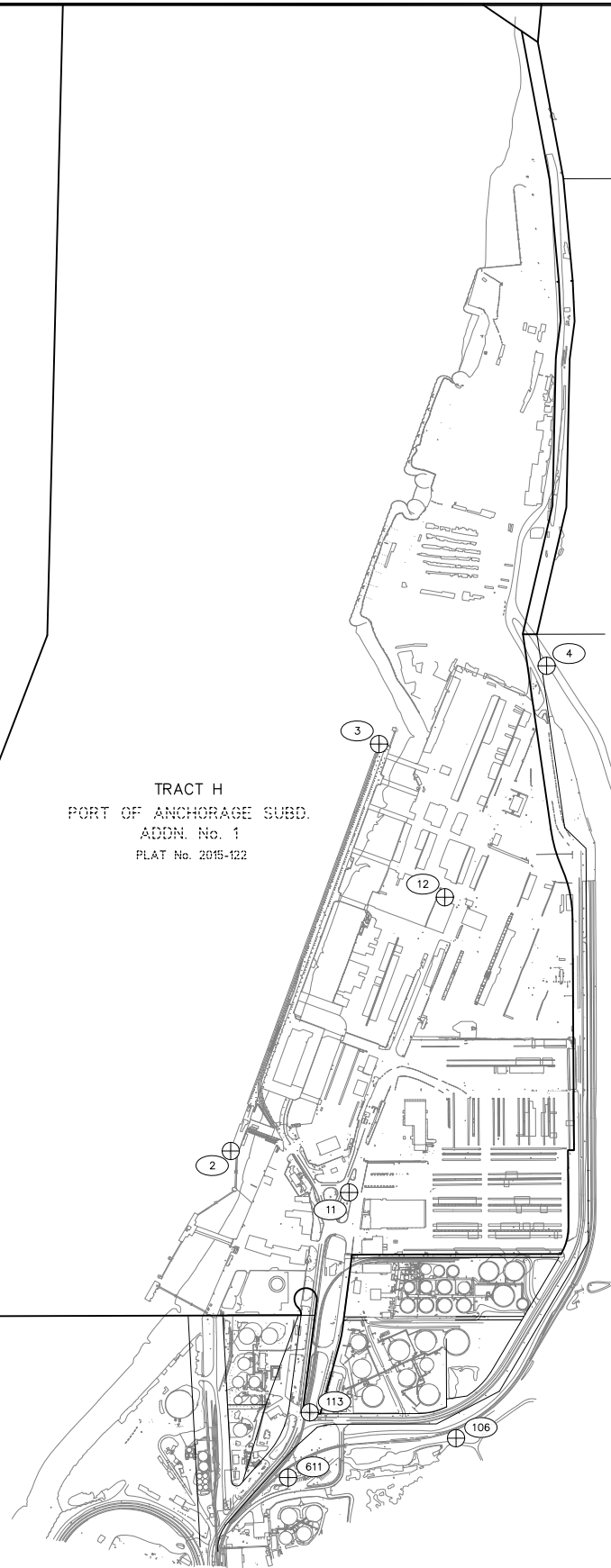
**VERTICAL CONTROL STATEMENT**

THE VERTICAL DATUM FOR THIS PROJECT IS MEAN LOWER LOW WATER (MLLW=0.00') BASED ON NOAA/NOS TIDAL BENCHMARK STATION ID 9455920, ANCHORAGE, KNIK ARM, DATED 10/24/2011. HOLDING THE FOLLOWING BENCHMARKS:

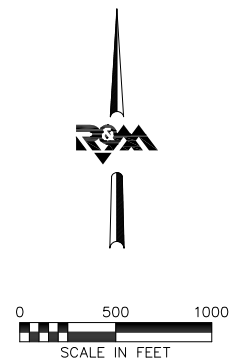
"B 75 1964", USCGS STANDARD BRASS CAP SET FLUSH WITH THE CONCRETE SURFACE OF THE ANCHORAGE CITY DOCK, 12' EAST OF THE NE CORNER OF THE NORTH END OF THE APPROACH TO THE DOCK AND 81' SOUTH OF THE SE CORNER OF THE PORT OF ANCHORAGE OFFICE BUILDING. ELEV.=36.81'.

"NO 15 RESET 1966", USCGS STANDARD BRASS CAP SET FLUSH WITH THE CONCRETE SURFACE OF THE ANCHORAGE CITY DOCK, 31' SOUTH OF THE NORTH EDGE OF THE DOCK AND 15.9' NW OF THE NE CORNER OF THE PORT OF ANCHORAGE OFFICE BUILDING. ELEV.=37.14'.

TRACT H  
PORT OF ANCHORAGE SUBD.  
ADDN. No. 1  
PLAT No. 2015-122



ISSUER



Drawing: POA\_SURVEY CONTROL SHEET.DWG  
Date: Apr 17, 2019 - 11:56am

| REV | DATE | DESCRIPTION | BY | APVD |
|-----|------|-------------|----|------|
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|     |      |             |    |      |
|     |      |             |    |      |
|     |      |             |    |      |

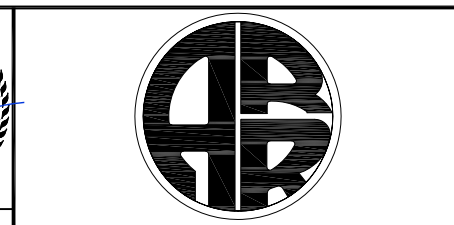
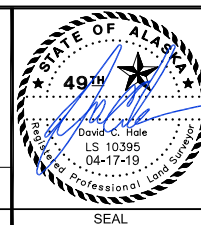
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

REVISIONS

**R&M CONSULTANTS, INC.**  
9101 Vanguard Drive AECC 111  
Anchorage, Alaska 99507  
rmconsult.com  
phone: 907.522.1707 • fax: 907.522.3403 • email: rmconsult.com

DSGN DR CHK APVD  
D. HALE D. HALE

CONSULTANT



GENERAL  
SURVEY CONTROL SHEET

ALASKA RAILROAD  
OCEAN DOCK ROAD  
SURVEY CONTROL DRAWING  
ANCHORAGE, ALASKA

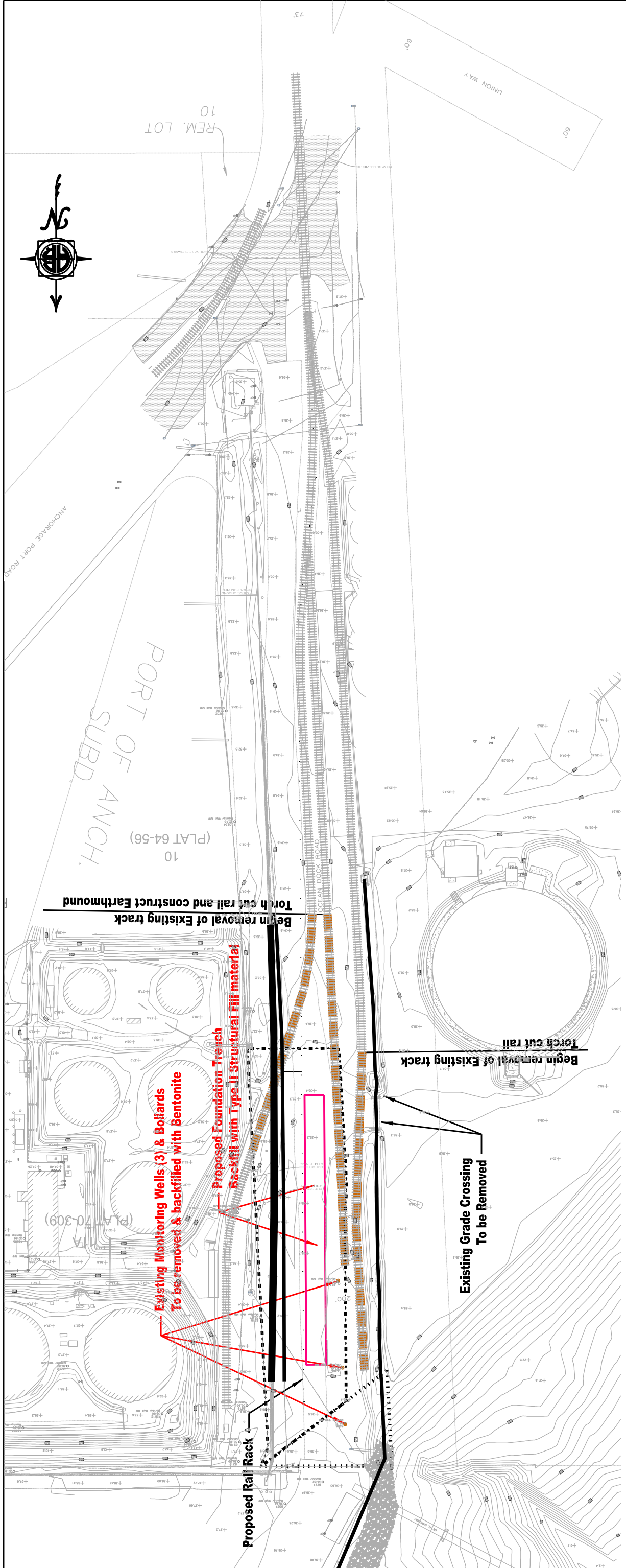
HORIZ SCALE: 1" = 500'  
VERT SCALE:

DATE: 04/17/19  
SHEET: PCT-G-005

SHT. 2

FILE NO.-





**Legend:**  
**Track to be removed Shown: ————**  
**Approximate track removal 930'. Contractor to appropriately dispose of all material removed.**  
**Monitoring wells to be decommissioned (3) Shown: ————**  
**Contractor must follow ADEC guidelines & submit ADEC approved decommissioning report.**

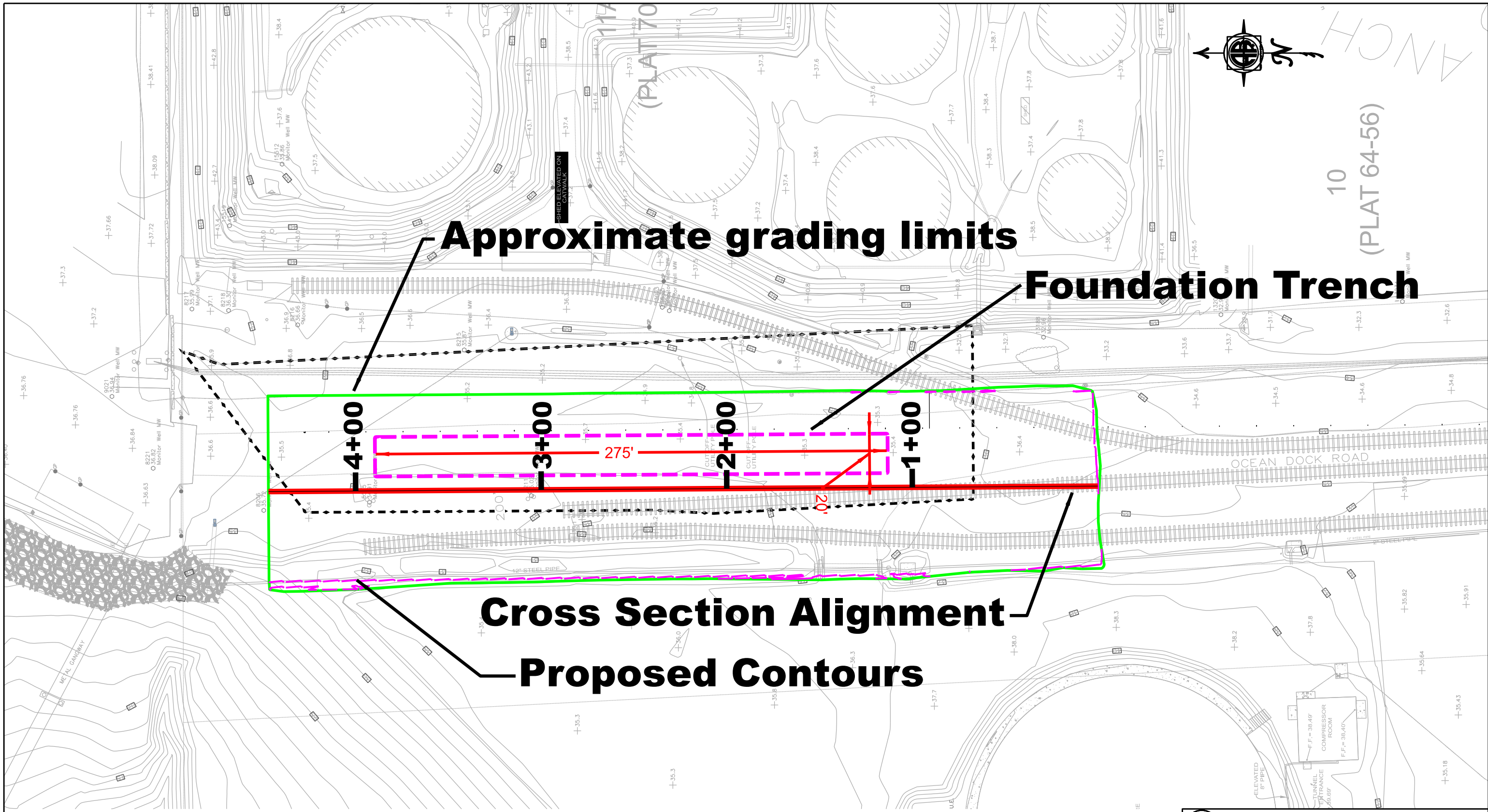
**ALASKA RAILROAD CORPORATION**  
 ENGINEERING SERVICES  
 P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500

PetroStar Inc.  
 Anchorage Rail Terminal

PROJECT: Demolition Plan

|                  |                    |                  |
|------------------|--------------------|------------------|
| DESIGNED BY: JDM | SCALE: H: AS NOTED | DATE: 04/05/2019 |
| DRAWN BY: JDM    | V: AS NOTED        |                  |
| CHECKED BY: -    |                    |                  |
| APPROVED BY: BJA |                    |                  |

DATE: 04/05/2019  
 REV. 3 OF 8



10  
(PLAT 64-56)

**Approximate grading limits**

**Foundation Trench**

**4+00**

**3+00**

**2+00**

**1+00**


**Cross Section Alignment**

**Proposed Contours**

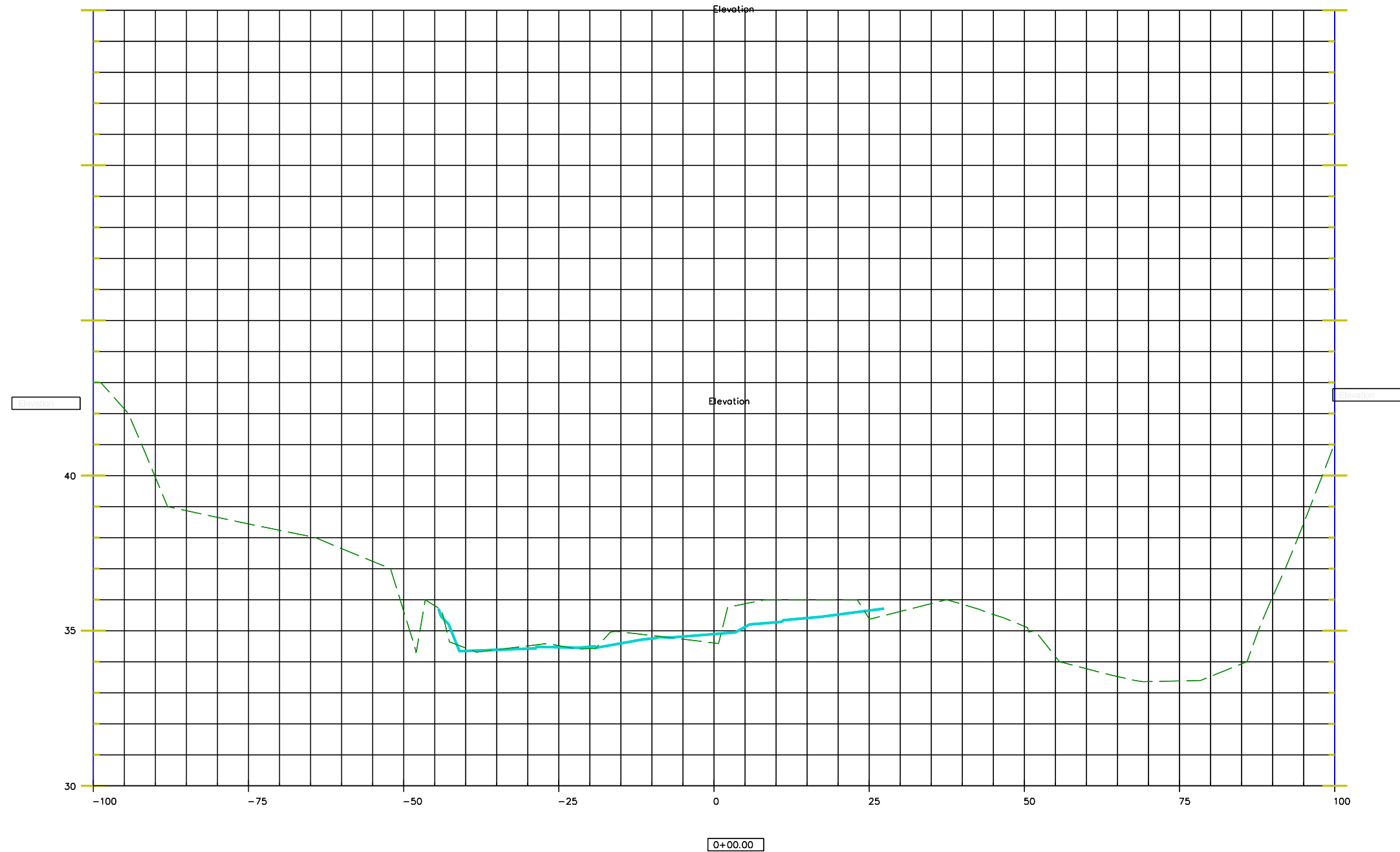
275'

20'


200'

|   |                  |            |  |
|---|------------------|------------|--|
|  <b>ALASKA RAILROAD CORPORATION</b><br>ENGINEERING SERVICES<br>P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 |                  |            |  |
| PROJECT: PetroStar Inc.<br>Anchorage Rail Terminal  |                  |            |  |
| DATE: Grading Plan  |                  |            |  |
| DESIGNED BY: JDM  | SCALE: H: 1"=50' | APE NO.:   |  |
| DRAWN BY: JDM   | V: AS NOTED      | ACAD FILE: |  |
| CHECKED BY: -   | DATE: 04/23/2019 | DWG NO.:   |  |
| APPROVED BY: BJA  |                  | 4 OF 8     |  |

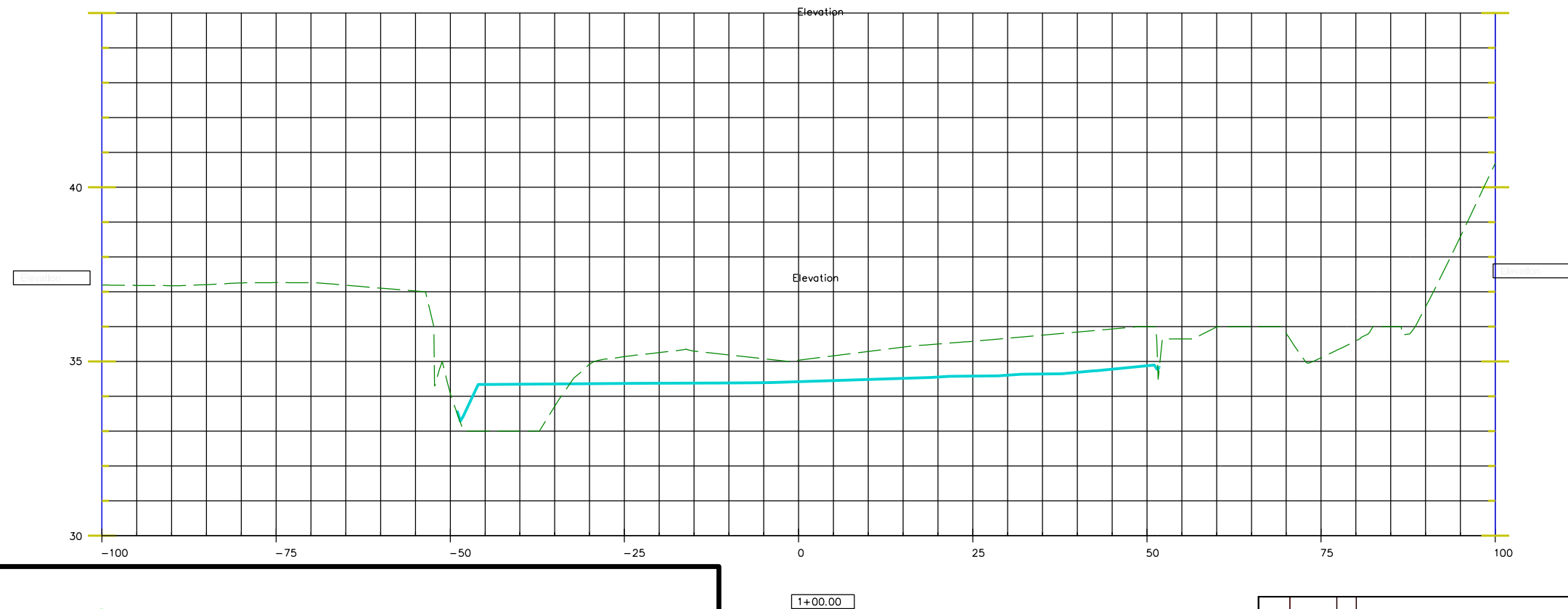
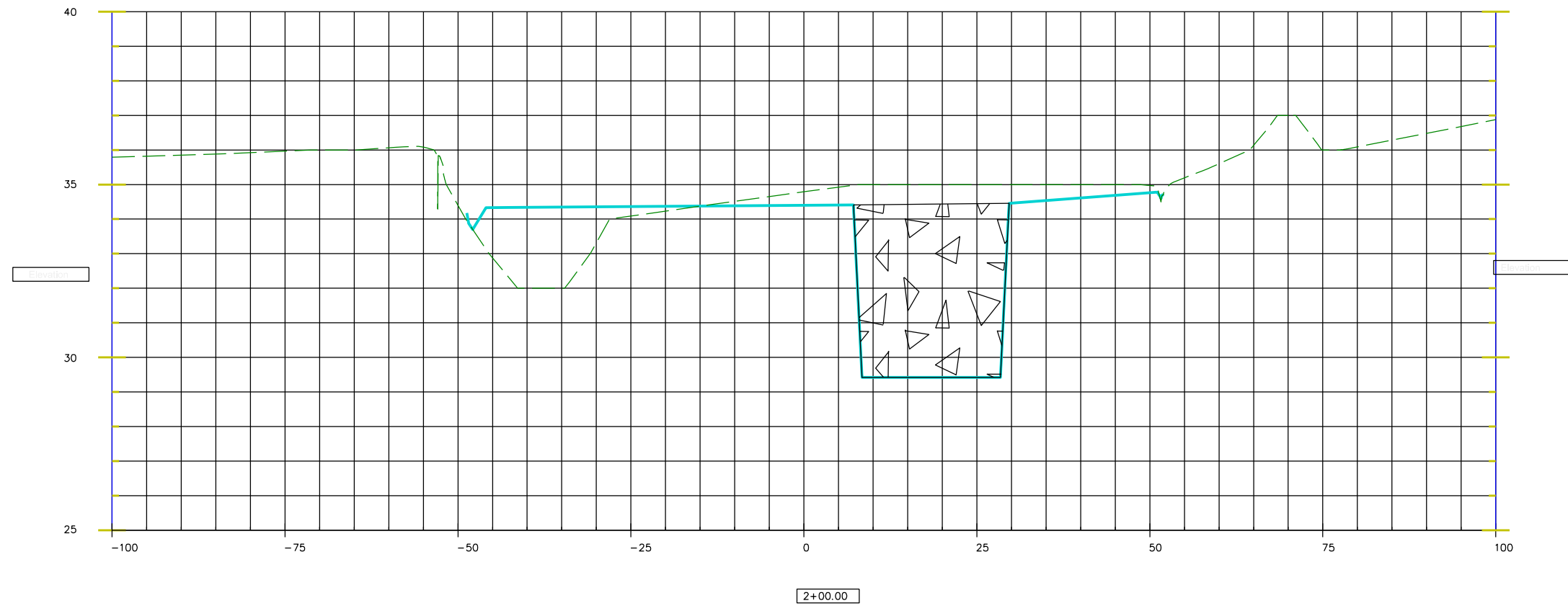
| REV. | DATE | BY | REVISION |
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Existing Ground Shown:   
 Proposed Surface Shown: 

|   |     |  |
|---|-----|--|
|  <b>ALASKA RAILROAD CORPORATION</b><br>ENGINEERING SERVICES<br>P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 |     |  |
| PROJECT :   |     |  |
| <b>PetroStar Inc.</b><br><b>Anchorage Rail Terminal</b>   |     |  |
| TITLE:  |     |  |
| <b>Cross Sections</b><br>-  |     |  |
| DESIGNED BY:  | JDM | SCALE : AS NOTED                                       |
| DRAWN BY:   | JDM | DATE : 04/23/2019                                      |
| CHECKED BY:   |     | APPROVED BY: BJA                                       |
| APPROVED BY:  | BJA | AFE NO.:<br>ACAD FILE:<br>DWG NO. <b>5</b> OF <b>8</b> |


| REV. | DATE | BY | REVISION |
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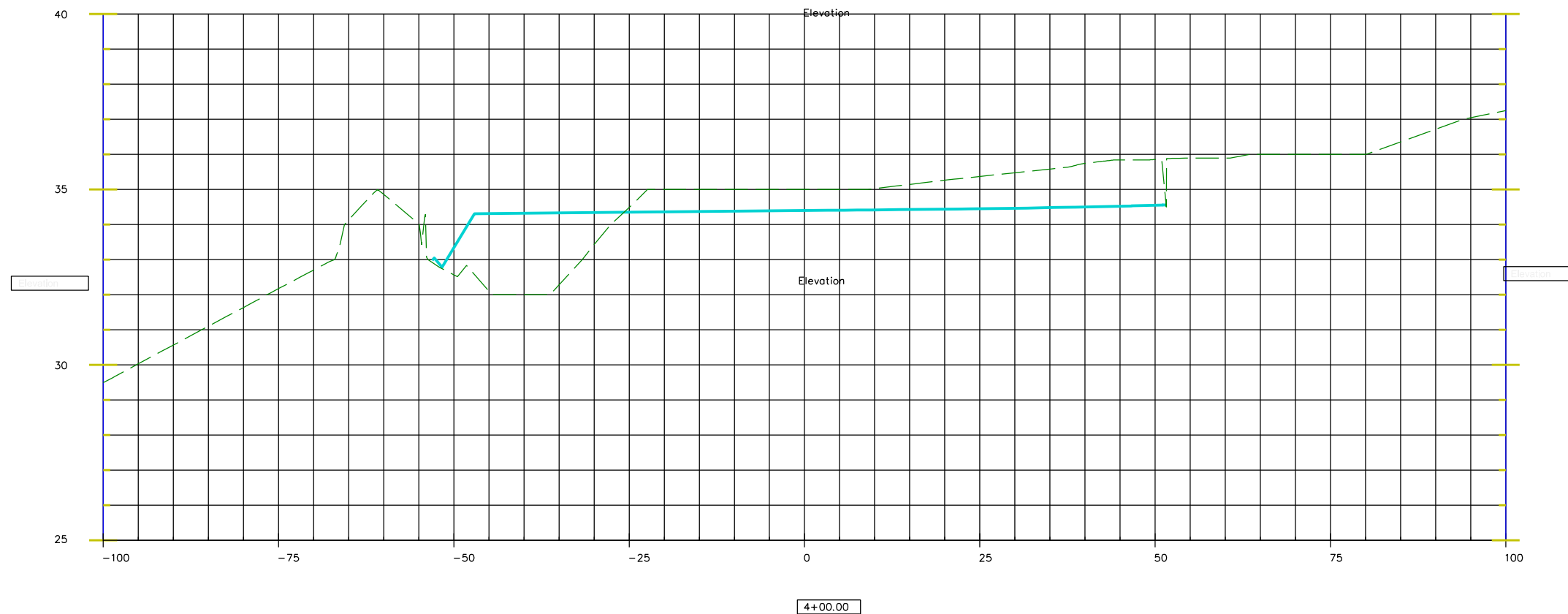
Existing Ground Shown: -----

Proposed Surface Shown: —————

| REV. | DATE | BY | REVISION |
|------|------|----|----------|
|      |      |    |          |
|      |      |    |          |
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|   |     |            |
|---|-----|------------|
|  <b>ALASKA RAILROAD CORPORATION</b><br>ENGINEERING SERVICES<br>P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 |     |            |
| PROJECT :   |     |            |
| <b>PetroStar Inc.</b><br><b>Anchorage Rail Terminal</b>   |     |            |
| TITLE:  |     |            |
| <b>Cross Sections</b><br>-  |     |            |
| DESIGNED BY:  | JDM | SCALE :    |
| DRAWN BY:   | JDM | AS NOTED   |
| CHECKED BY:   |     | DATE :     |
| APPROVED BY:  | BJA | 04/23/2019 |
| AFE NO.:  |     |            |
| ACAD FILE:  |     |            |
| DWG NO.   |     | 6 OF 8     |

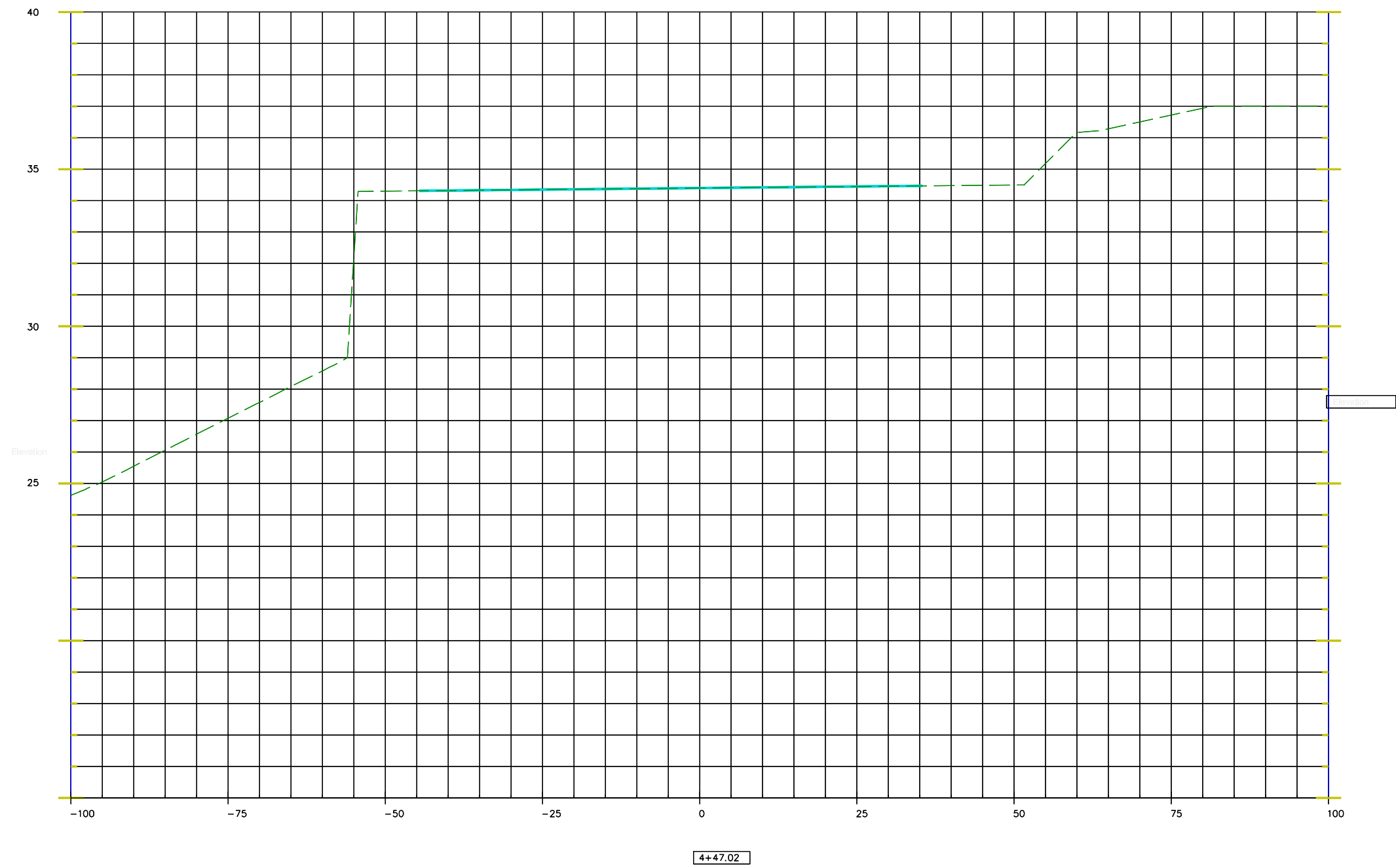




Existing Ground Shown:   
 Proposed Surface Shown:

|   |     |  |
|---|-----|--|
| <b>ALASKA RAILROAD CORPORATION</b><br>ENGINEERING SERVICES<br>P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 |     |  |
| PROJECT :   |     |  |
| <b>PetroStar Inc.</b><br><b>Anchorage Rail Terminal</b>   |     |  |
| TITLE:  |     |  |
| <b>Cross Sections</b><br>-  |     |  |
| DESIGNED BY:  | JDM | SCALE : AS NOTED                                       |
| DRAWN BY:   | JDM | DATE : 04/23/2019                                      |
| CHECKED BY:   |     | APPROVED BY: BJA                                       |
| APPROVED BY:  | BJA | AFE NO.:<br>ACAD FILE:<br>DWG NO. <b>7</b> OF <b>8</b> |

| REV. | DATE | BY | REVISION |
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Elevation

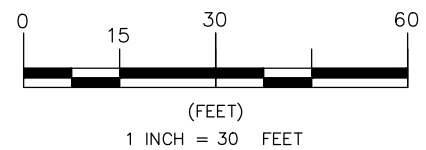
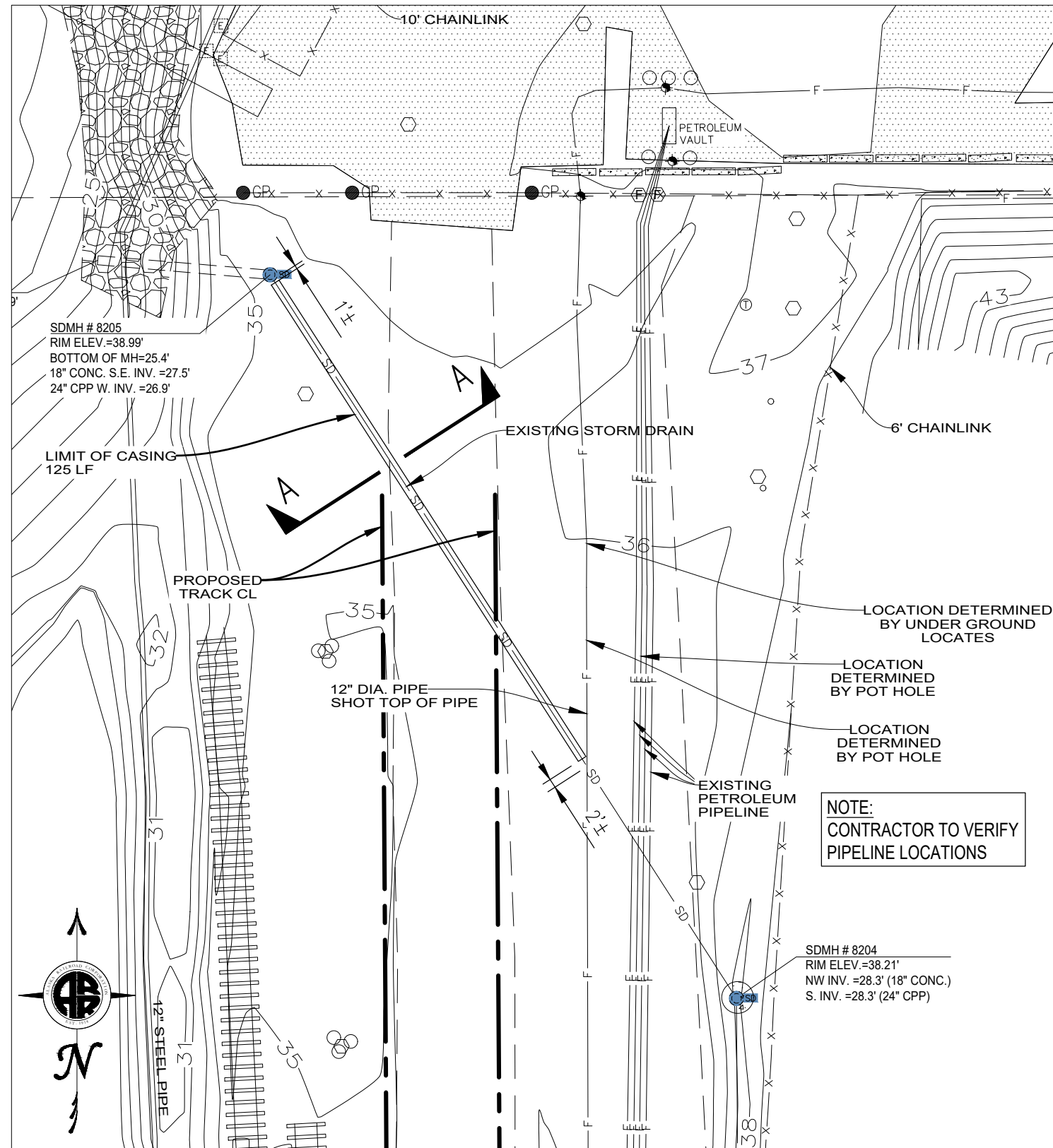
4+47.02

Existing Ground Shown:   
 Proposed Surface Shown:


|   |     |              |            |
|---|-----|--------------|------------|
| <b>ALASKA RAILROAD CORPORATION</b><br>ENGINEERING SERVICES<br>P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 |     |              |            |
| PROJECT :   |     |              |            |
| <b>PetroStar Inc.</b><br><b>Anchorage Rail Terminal</b>   |     |              |            |
| TITLE:  |     |              |            |
| <b>Cross Sections</b><br>-  |     |              |            |
| DESIGNED BY:  | JDM | SCALE :      | AS NOTED   |
| DRAWN BY:   | JDM | DATE :       | 04/23/2019 |
| CHECKED BY:   |     | APPROVED BY: | BJA        |
| AFE NO.:  |     | ACAD FILE:   |            |
| DWG NO.   | 8   | OF           | 8          |

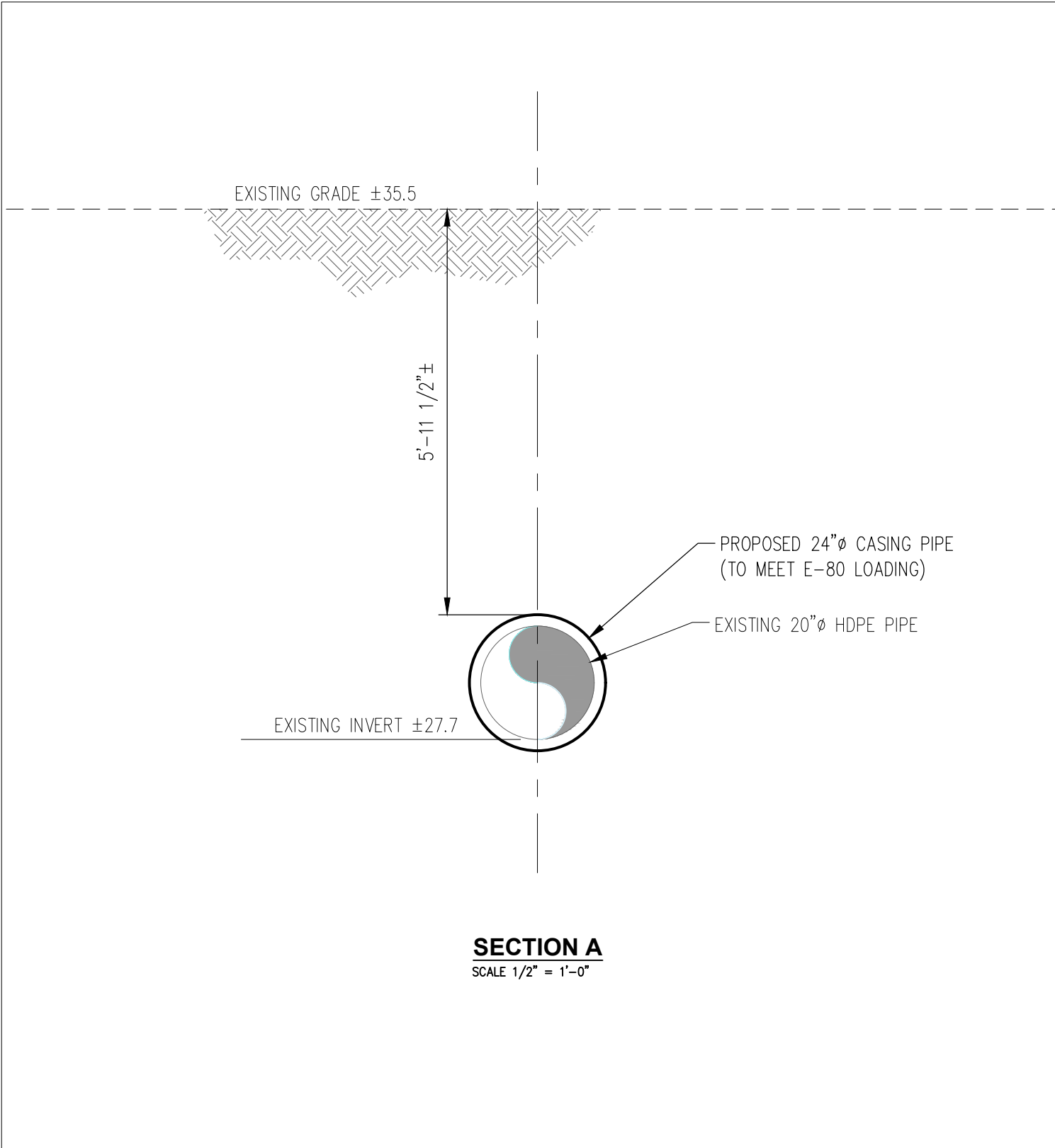
| REV. | DATE | BY | REVISION |
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|      |      |    |          |
|      |      |    |          |






**SITE PLAN**  
SCALE 1" = 30'

|   |                   |                              |
|---|-------------------|------------------------------|
|  <b>ALASKA RAILROAD CORPORATION</b><br>ENGINEERING SERVICES<br>P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 |                   |                              |
| PROJECT : <b>ARRC ANCHORAGE RESERVE INDUSTRIAL TRACK CHANGE</b>   |                   |                              |
| TITLE: <b>STORM SEWER CASING SITE PLAN</b>  |                   |                              |
| DESIGNED BY: JM   | SCALE : AS NOTED  | AFE NO.:                     |
| DRAWN BY: DxD   | DATE : 04/19/2019 | ACAD FILE:                   |
| CHECKED BY: _____   |                   | DWG NO. <b>1</b> OF <b>2</b> |
| APPROVED BY: _____  |                   |                              |



P:\Projects\Jesse Moose\Anchorage\R&M Survey\2508.01\_POA  
 AKRR\_Topographic Basemap\_04192019\_11x17.dwg  
 VPort: Section A Plot Style: 750C-Half.ctb

|   |                   |                              |
|---|-------------------|------------------------------|
|  <b>ALASKA RAILROAD CORPORATION</b><br>ENGINEERING SERVICES<br>P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 |                   |                              |
| PROJECT : <b>ARRC ANCHORAGE RESERVE INDUSTRIAL TRACK CHANGE</b>   |                   |                              |
| TITLE: <b>STORM SEWER CASING SECTION A</b>  |                   |                              |
| DESIGNED BY: JM   | SCALE : AS NOTED  | AFE NO.:                     |
| DRAWN BY: DxD   | DATE : 04/19/2019 | ACAD FILE:                   |
| CHECKED BY: _____   |                   | DWG NO. <b>2</b> OF <b>2</b> |
| APPROVED BY: _____  |                   |                              |