



## ADDENDUM TO THE CONTRACT

for the

### JNU SREF Site Infrastructure

Contract No. E12-280

**ADDENDUM NO.:** ONE

**CURRENT DEADLINE FOR BIDS:**  
July 10, 2012

**PREVIOUS ADDENDA:** NONE

**ISSUED BY:** City and Borough of Juneau  
ENGINEERING DEPARTMENT  
155 South Seward Street  
Juneau, Alaska 99801

**DATE ADDENDUM ISSUED:** June 29, 2012

The following items of the contract are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at:

<http://www.juneau.org/engineering ftp/contracts/Contracts.php>

### **PROJECT MANUAL**

Item No. 1: Section 00310 – Bid Schedule. **Delete** and **replace with** the attached Bid Schedule, labeled “Addendum No. 1.” The following changes were made:

- Pay item 2315.1 Excavation - revise approximate quantity to 1073 CY
- Pay item 2510.1 8” HDPE Water Pipe - revise approximate quantity to 86 LF
- Pay item 2530.2 Sanitary Sewer 6” SDR21 PVC Pipe - revise approximate quantity to 55 LF
- Remove Pay Item “2530.6 Duplex Pump Lift Station”

Item No. 2: Section 00420 – DBE Goals. Delete Paragraph E and replace with the following:

Delete Section E regarding “Good Faith Effort” and replace with the following:

#### **E. GOOD FAITH EFFORTS (GFE).**

- a. **Good Faith Effort Criteria.** When a bidder fails to meet DBE Utilization Goals, the Contract Administrator will use the following criteria to judge whether they have demonstrated sufficient Good Faith Effort to be eligible for award of the contract.

- (1) **Consider All Subcontractable Items.** The bidder shall seek DBE participation for subcontractable items

- (2) Initial DBE Notification.** All DBEs listed in the Department's current DBE Directory that have a "Yes" under Required GFE Contact and "Yes" under the specific Work Area (Region) must be contacted at least seven calendar days prior to bid opening. Each contact with a DBE firm will be logged on a Contact Report.

The bidder must give DBEs at least five calendar days to respond. The bidder may reject DBE quotes received after the deadline. Such a deadline for bid submission by DBEs will be consistently applied.

The only acceptable methods of initial and follow up notification are:

- (a) By fax with a confirmation receipt of successful transmission to the DBEs fax number listed in the DBE Directory. A fax transmission without receipt of successful transmission is unsatisfactory.
- (b) By email with confirmation of successful receipt by DBEs email address listed in the DBE Directory. Email without confirmation of successful receipt is unsatisfactory.
- (c) By U.S. Mail to the DBEs address listed in the DBE Directory with a return receipt requested. Letters mailed without a return receipt signed by the DBE or DBE Key employee are unsatisfactory. Delivery confirmation with evidence of successful delivery is an acceptable substitute for Return Receipt.
- (d) By telephone solicitation with a record of the date and time of the telephone call made to the DBEs telephone number listed in the DBE Directory. Telephone solicitation without a record of date and time is unsatisfactory.

- (3) Non-Competitive DBE Quotes.** DBE quotes more than 10 percent higher than an accepted non-DBE quote will be deemed non-competitive, provided they are for the exact same work or service.

All evidence in support of a non-competitive bid determination must be provided at the time of the Good Faith Effort submittal. When a DBE quote is rejected as being non-competitive, the work must be performed by the non-DBE subcontractor whose quote was used to provide the basis of the determination. Payments received by the non-DBE subcontractor during the execution of the Contract shall be consistent with the accepted quote. This does not preclude increases due to change documents issued by the Owner.

- (4) Assistance to DBEs.** Contractors must provide DBEs with:

- (a) Information about bonding or insurance required by the bidder.
- (b) Information about securing equipment, supplies, materials, or related assistance or services.
- (c) Adequate information about the requirements of the contract regarding the specific item of work or service sought from the DBE.

- (5) Follow-up DBE Notifications.** Contact the DBEs to determine if they will be bidding. Failure to submit a bid by the deadline is evidence of the DBE's lack of interest in bidding. Documentation of follow-up contacts shall be logged on the Contact Report.

- (6) Good Faith Effort Evaluation.** Subsections (1) through (5) must be completed for a Good Faith Effort based submission to be considered. Failure to perform and document actions contained in subsections (1) through (5) constitutes insufficient Good Faith

Effort. After submitting a Good Faith Effort, bidders may only clarify efforts taken before opening. No new efforts or additional DBE participation is permitted after opening.

If the bidder cannot demonstrate the ability to meet the DBE Utilization Goal, and cannot document the minimum required Good Faith Effort (as specified below), the Contracting Officer will determine the bidder to be not responsible.

- b. Administrative Reconsideration.** 49 CFR Part 26.53(d) provides an opportunity for administrative reconsideration when the Contract Administrator determines that Good Faith Effort is insufficient. This opportunity must be exercised within three working days of notification that Good Faith Efforts were unsatisfactory. For reconsideration, the bidder must provide written documentation or argument concerning efforts to meet the DBE Utilization Goal. No new or additional contact information may be provided. Only contact information the bidder provided in support of its initial request for a Good Faith Effort determination by the Contract Administrator may be presented to support the request for administrative reconsideration.

The process for an Administrative Reconsideration is as follows:

- (1) The bidder will have the opportunity to meet with the DBE Liaison Officer in person to discuss the issue. If so desired, the bidder must be ready to meet with the DBE Liaison Officer within four working days of receipt of notice that it failed to meet the requirements of this subsection.
- (2) The DBE Liaison Officer will render a written decision and provide notification to the bidder within four working days after the meeting. The written decision will explain the basis for finding.
- (3) The finding of the DBE Liaison Officer cannot be appealed to the U.S. DOT.

Item No. 3: Section 00853 – Standard Details, **delete** reference to Detail 220-1 through 220-10. All applicable Standard Details are referenced on Sheet C-001, which is being replaced with this addendum.

Item No. 4: Section 01025 – Measurement and Payment, **delete** 1.15 Duplex Pump Lift Station in its entirety.

Item No. 5: Section 02315 – Excavation and Embankment, 1.01 B., revise the second sentence to read: “The Contractor shall place excavated material in a neat stockpile at a designated location on the south side of the airfield near the float pond.”

Item No. 6: Section 02721 – Subbase Course

- 2.01 B, **add** the following at the end of this section paragraph: “2-Inch minus shot rock, described in section 2.02, may be used as a substitution for Structural Fill.”

- **Replace** Table 1 with the following

**TABLE 1. AGGREGATE GRADATION REQUIREMENTS**

| Sieve designation<br>(Square opening) | Percentage by weight passing sieves |                    |
|---------------------------------------|-------------------------------------|--------------------|
|                                       | Structural Fill                     | 2" Minus Shot Rock |
| 2 inch                                | 100                                 | 100                |
| 1-1/2 inch                            | 70-100                              |                    |
| 1 inch                                |                                     | 0-15               |
| ¾ inch                                | 30-100                              |                    |
| ½ inch                                | 25-100                              |                    |
| No. 4                                 | 20-49                               |                    |
| No. 40                                | 0-25                                |                    |
| No. 200                               | 0-6                                 | 3 max              |

- **Add** the following article:

**2.02 2-INCH MINUS SHOT ROCK**

- A. 2-inch minus Shot Rock shall contain no mulch, frozen material, roots, sod, or other deleterious matter, and shall be obtained from rock quarry, unless otherwise approved by the ENGINEER.
- B. The shot rock shall have a plasticity index not greater than 6, as determined by AASHTO T 90.
- C. It shall consist of not more than 3% by weight of particles that pass the No. 200 sieve, as determined by ATM T-7.
- D. At least 50% by weight of the particles retained on the 3/8-inch sieve shall have at least two fractured faces as determined by ATM T-7.
- E. At least 85 % by weight of particles shall be retained on the 1-inch sieve.
- F. Elongation Specifications:  
The length of the crushed stone backfill shall not be more than twice the designated screen dimensions.
- G. Sodium Sulfate Loss:  
Aggregate shall pass the percent sodium sulfate loss per AASTHO T 104 with 9% maximum.
- H. LA Abrasion:  
Percent of wear per AASTHO T 96 shall be 45% maximum.
- I. 2-inch Shot Rock for this project shall have a maximum Nordic Abrasion value of 22. Test procedure for Nordic Abrasion in Alaska Test Method 312. This is available at the CBJ Engineering Department and State of Alaska Department of Transportation and Public Facilities Southwest Region Materials Laboratory.

Item No. 6: Section 02722 - Crushed Aggregate Base Course, 2.01 Aggregate, TABLE 1 - REQUIREMENTS FOR GRADATION OF AGGREGATE, **modify** percentage by weight passing sieve No. 200 to 0-8% for Gradation D-1.

Item No. 7: Section 02801 Asphalt Concrete Pavement, 3.01 Weather Limitations, Paragraph A: Add at the end of the last sentence: "or as approved by ENGINEER."

Item No. 8: Section 02801 - Asphalt Concrete Pavement, 3.13 Acceptance Sampling and Testing, Paragraph H, **delete** the following sentence "The CONTRACTOR shall

reimburse the OWNER for all materials testing beyond the first \$2,000.00.”

## **DRAWINGS:**

- Item No. 1: Drawing C-001, titled “Cover Sheet Index”, **replace** with the attached sheet: C-001, titled “Cover Sheet Index” Addendum 1.  
Principal Changes:  
➤ Added to Civil Notes:  
    CBJ Standard Detail 119A Junction Box Type 1 and Type 1A
- Item No. 2: Drawing C-002, titled “Civil Project Layout Plan”, **replace** with the attached sheet: C-002, titled “Civil Project Layout Plan” Addendum 1  
Principal Changes:  
➤ Added Scope Item 7 Install Type I Sanitary Sewer Manhole  
➤ Added Scope Item 8 Remove Driveway
- Item No. 3: Drawing C-003, titled “Typical Sections & Details”, **replace** with the attached sheet : C-003, titled “Typical Sections & Details” Addendum 1  
Principal Changes:  
➤ Added Detail 4 Lift Station Detail
- Item No. 4: Drawing C-005, titled “Frontage Road Plan & Profile”, **replace** with the attached sheet : C-005, titled “Frontage Road Plan & Profile” Addendum 1  
Principal Changes:  
➤ Added notes to Profile that Pavement shall be field adjusted to match Storm Drain Manholes grade per CBJ Standard Detail 205
- Item No. 5: Drawing C-008, titled “Water Plan & Profile”, **replace** with the attached sheet: C-008, titled “Water Plan & Profile” Addendum 1  
Principal Changes:  
➤ Reduced length of waterline installed in this project to keep construction outside the airport perimeter fence.  
➤ Added that waterline shall be terminated with flange for future connection.
- Item No. 6: Drawing C-009, titled “Sewer Plan & Profile”, **replace** with the attached sheet: C-009, titled “Sewer Plan & Profile” Addendum 1  
Principal Changes:  
➤ Added information showing new waterline location (installed by others) and separation requirements for the installation of the sewer pipe.
- Item No. 7: Drawing C-010, titled “Sewer Plan & Profile”, **replace** with the attached sheet: C-010, titled “Sewer Plan & Profile” Addendum 1  
Principal Changes:  
➤ Removed reference for Sanitary Sewer Lift station to CBJ Standard Drawings 220.  
➤ Inserted reference for Sanitary Sewer Lift Station to Detail 4 on Sheet C-003.  
➤ Added note to terminate sewer pipe at station 17+00 with Bell and Plug.  
➤ Added 2 4” Sch. 80 PVC conduits from lift station to new junction box to be

installed at Station 16+90, 5' RT. Cost for Conduit and junction box to be subsidiary to Lift Station

Item No. 8: Drawing C-011, titled "Grading Plan", **replace** with the attached sheet: C-011, titled "Grading Plan" Addendum 1

Principal Changes:

- Added note to Water Valve Box by Road station 52+90 "Field Adjust Valve Box to grade per CBJ 407"
- Added the following to Note 3: "Per CBJ 205"

Item No. 9: Drawing C-012, titled "Grading Plan", **replace** with the attached sheet: C-012, titled "Grading Plan" Addendum 1


Principal Changes:

- Removal of existing Driveway, and culvert by station 57+00
- Expanded seeding limits

Item No. 10: Drawing C-014, titled "Signing and Striping Plan", **replace** with the attached sheet: C-014, titled "Signing and Striping Plan" Addendum 1

Principal Changes:

- Revised Proposed Building Pad Elevation from 27.00 to 27.50

By:   
Jennifer Mannix,  
Contract Administrator

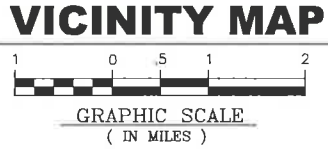
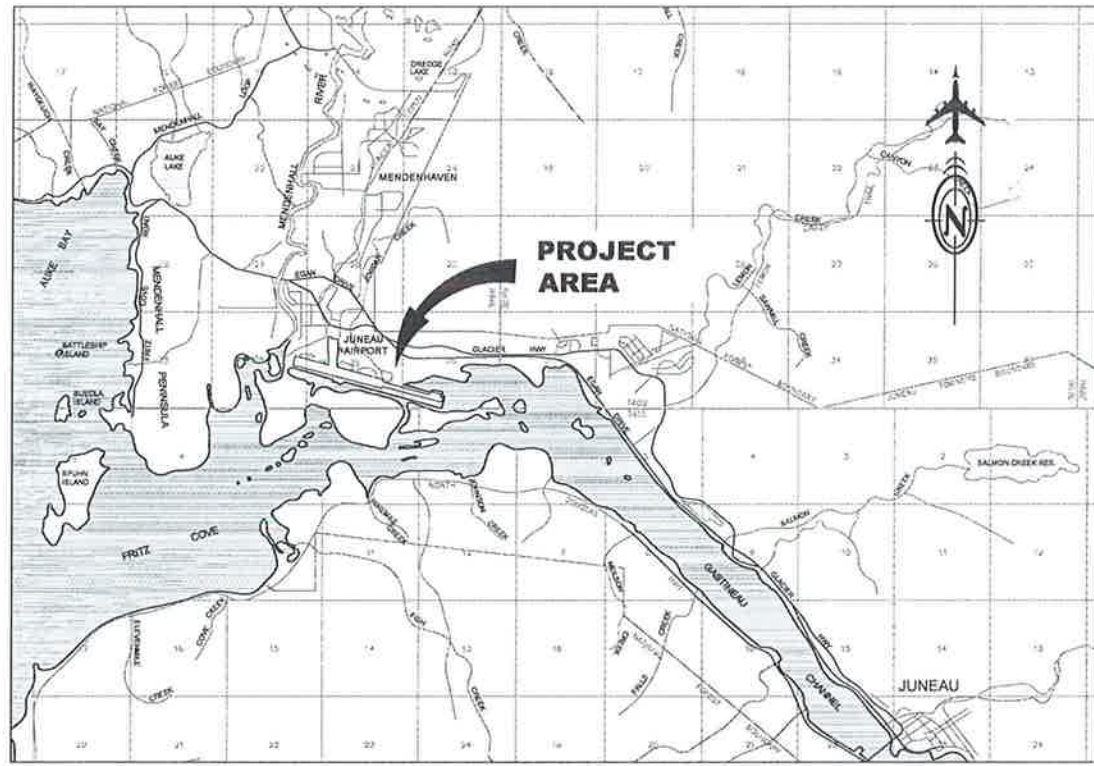
Total number of pages contained within this Addendum: 17

**SECTION 00310 - BID SCHEDULE**

| ITEM NO. | BID ITEM DESCRIPTION                                | PAY UNIT | APPROX. QUANTITY | UNIT PRICE     |       | AMOUNT   |       |
|----------|---|----------|------------------|----------------|-------|----------|-------|
|          |   |          |                  | DOLLARS        | CENTS | DOLLARS  | CENTS |
| 1505.1   | Mobilization and Demobilization                     | LS       | ALL REQ'D        | LUMP SUM       |       |          |       |
| 2315.1   | Excavation  | CY       | 1073             |                |       |          |       |
| 2315.2   | Mining Area Restoration and Road Cleaning Guarantee | CS       | ALL REQ'D        | Contingent Sum |       | \$ 2,000 | 00    |
| 2370.1   | Erosion and Sediment Control                        | LS       | ALL REQ'D        | LUMP SUM       |       |          |       |
| 2501.1   | 18" CPP Storm Sewer Pipe                            | LF       | 66               |                |       |          |       |
| 2502.1   | Culvert Headwall                                    | EA       | 2                |                |       |          |       |
| 2510.1   | 8" HDPE Water Pipe                                  | LF       | 86               |                |       |          |       |
| 2510.2   | 8" Gate Valve                                       | EA       | 1                |                |       |          |       |
| 2530.1   | Sanitary Sewer Pipe 2" SDR17 HDPE Force Main        | LF       | 645              |                |       |          |       |
| 2530.2   | Sanitary Sewer 6" SDR21 PVC Pipe                    | LF       | 55               |                |       |          |       |
| 2530.3   | Type I Manhole                                      | EA       | 1                |                |       |          |       |
| 2530.4   | 2" Manhole Connection                               | EA       | 1                |                |       |          |       |
| 2530.5   | Lift Station Wet Well Manhole                       | EA       | 1                |                |       |          |       |
| 2702.1   | Construction Surveying                              | LS       | ALL REQ'D        | LUMP SUM       |       |          |       |
| 2709.1   | Topsoil   | CY       | 270              |                |       |          |       |
| 2710.1   | Seeding, Hydraulic Method Type III                  | SU       | 6                |                |       |          |       |
| 2721.1   | Structural Fill                                     | CY       | 700              |                |       |          |       |
| 2722.1   | Base Course Grading D-1                             | CY       | 700              |                |       |          |       |
| 2760.1   | Painted Traffic Markings                            | LF       | 908              |                |       |          |       |
| 2801.1   | A.C. Pavement Type IIA, Class B                     | TON      | 628              |                |       |          |       |
| 2890.1   | Sign Assembly                                       | EA       | 15               |                |       |          |       |
| 2806.1   | Remove Existing Asphalt Surfacing                   | SY       | 456              |                |       |          |       |

Total Bid \$ \_\_\_\_\_

Company Name \_\_\_\_\_



### CIVIL ABBREVIATIONS

|       |                                      |       |                          |
|-------|--------------------------------------|-------|--------------------------|
| ABN   | ABANDONED                            | INV   | INVERT                   |
| ACP   | ASPHALT CONCRETE PAVEMENT            | LF    | LINEAR FEET              |
| AD    | ALGEBRAIC DIFFERENCE                 | LT    | LEFT                     |
| ASOS  | AUTOMATED SURFACE OBSERVATION SYSTEM | ME    | MATCH EXISTING           |
| BLDG  | BUILDING                             | MIN   | MINIMUM                  |
| CABC  | CRUSHED AGGREGATE BASE COURSE        | N     | NORTH                    |
| CL    | CENTERLINE                           | NTS   | NOT TO SCALE             |
| CAP   | CORRUGATED ALUMINUM PIPE             | PCC   | PORTLAND CEMENT CONCRETE |
| CBJ   | CITY & BOROUGH OF JUNEAU             | RCP   | REINFORCED CONCRETE PIPE |
| CJ    | CONTROL JOINT                        | RT    | RIGHT                    |
| CMP   | CORRUGATED METAL PIPE                | S     | SOUTH OR SEWER           |
| C     | COMMUNICATION                        | SD/FD | STORM DRAIN FIELD DRAIN  |
| CPP   | CORRUGATED PLASTIC PIPE              | SDCB  | STORM DRAIN CATCH BASIN  |
| CY    | CUBIC YARD                           | SDMH  | STORM DRAIN MANHOLE      |
| DIA   | DIAMETER                             | SSCO  | SANITARY SEWER CLEANOUT  |
| DIP   | DUCTILE IRON PIPE                    | SSMH  | SANITARY SEWER MANHOLE   |
| E     | EAST OR ELECTRIC                     | STA   | STATION                  |
| EA    | EACH                                 | SY    | SQUARE YARD              |
| ELEC  | ELECTRIC                             | TELE  | TELEPHONE                |
| ELEV  | ELEVATION                            | T/W   | TAXIWAY                  |
| FT    | FOOT                                 | TYP   | TYPICAL                  |
| GV&VB | GATE VALVE & VALVE BOX               | UG    | UNDERGROUND              |
| HDPE  | HIGH DENSITY POLYETHYLENE            | W     | WEST                     |
| HMA   | HOT MIX ASPHALT                      |       |                          |

### CIVIL LEGEND

| EXISTING | PROPOSED | DESCRIPTION                       |
|----------|----------|-----------------------------------|
|          |          | PROPERTY BOUNDARY                 |
|          |          | CONCRETE                          |
|          |          | EDGE OF GRAVEL                    |
|          |          | EDGE OF PAVEMENT                  |
|          |          | FENCE                             |
|          |          | SANITARY SEWER LINE               |
|          |          | SANITARY SEWER FORCE MAIN         |
|          |          | WATER LINE                        |
|          |          | UNDERGROUND ELECTRIC LINE         |
|          |          | UNDERGROUND COMMUNICATION LINE    |
|          |          | STORM DRAIN LINE                  |
|          |          | CULVERT                           |
|          |          | CONTOUR LINE                      |
|          |          | RUNWAY SAFETY AREA                |
|          |          | LIMIT OF CUT                      |
|          |          | LIMIT OF FILL                     |
|          |          | LIMIT OF GRASS SEEDING            |
|          |          | SILT FENCE                        |
|          |          | DRAINAGE                          |
|          |          | BUILDING                          |
|          |          | STORM DRAIN MANHOLE               |
|          |          | STORM DRAIN CATCH BASIN           |
|          |          | SANITARY SEWER MANHOLE            |
|          |          | SEWER LIFT STATION                |
|          |          | SEWER CLEANOUT                    |
|          |          | SEWER SEPTIC CLEANOUT             |
|          |          | MONITORING WELL                   |
|          |          | WATER VALVE                       |
|          |          | HYDRANT                           |
|          |          | FUEL TANK                         |
|          |          | GUARD RAIL                        |
|          |          | ELECTRICAL PEDESTAL               |
|          |          | ELECTRICAL VAULT                  |
|          |          | RADIO TOWER                       |
|          |          | ELECTRIC METER                    |
|          |          | GUY ANCHOR                        |
|          |          | ELECTRIC LIGHT POLE               |
|          |          | ELECTRIC POWER POLE               |
|          |          | ELECTRIC MANHOLE                  |
|          |          | ELECTRIC JUNCTION BOX             |
|          |          | RUNWAY THRESHOLD LIGHT (BLUE/RED) |
|          |          | RUNWAY EDGE LIGHT (WHITE)         |
|          |          | RUNWAY EDGE LIGHT (BLUE)          |
|          |          | RUNWAY APPROACH LIGHT             |
|          |          | TAXIWAY EDGE LIGHT                |
|          |          | PAPI                              |
|          |          | TELEPHONE PEDESTAL                |
|          |          | TELEPHONE MANHOLE                 |
|          |          | RUNWAY DISTANCE REMAINING SIGN    |
|          |          | BOLLARD                           |
|          |          | TEST HOLE                         |
|          |          | LIGHTED WIND CONE                 |
|          |          | SEGMENTED CIRCLE                  |
|          |          | WIND EQUIPMENT                    |
|          |          | TEST PIT                          |
|          |          | TEST PIT                          |

### CIVIL NOTES

- STANDARD DRAWINGS CBJ
- 104A CULVERT HEADWALL WITH HINGED TRASH RACK
  - 104B CULVERT HEADWALL WITHOUT HINGED TRASH RACK
  - 119A JUNCTION BOX TYPE 1 & TYPE 1A
  - 127A SIGN ASSEMBLY SINGLE POST
  - 203 SANITARY SEWER MANHOLE TYPES I & II
  - 205 MANHOLE HEIGHTS
  - 206A SANITARY SEWER MANHOLE COVER & FRAME
  - 209 MANHOLE CONNECTION DETAILS
  - 214 SANITARY SEWER CONNECTION
  - 311 FILTER FABRIC FENCE
  - 407 MAINLINE VALVE
  - 412 RIGID INSULATION
  - 414A DOWNWARD CONCAVE THRUST BLOCK
  - 414B HORIZONTAL AND CONCAVE UPWARD THRUST BLOCKS

### CIVIL SHEET TITLE

| CIVIL SHEET TITLE  | SHEET # |
|--|---------|
| VICINITY MAP, ABBREVIATIONS, LEGEND, & CIVIL SHEET INDEX | C-001   |
| CIVIL PROJECT LAYOUT PLAN                                | C-002   |
| TYPICAL SECTIONS AND STRIPING DETAILS                    | C-003   |
| SURVEY CONTROL SHEET                                     | C-004   |
| FRONTAGE ROAD PLAN & PROFILE                             | C-005   |
| FRONTAGE ROAD PLAN & PROFILE                             | C-006   |
| FRONTAGE ROAD PLAN & PROFILE                             | C-007   |
| WATER PLAN & PROFILE                                     | C-008   |
| SEWER PLAN & PROFILE                                     | C-009   |
| SEWER PLAN & PROFILE                                     | C-010   |
| GRADING PLAN   | C-011   |
| GRADING PLAN   | C-012   |
| GRADING PLAN   | C-013   |
| SIGNING & STRIPING PLAN                                  | C-014   |
| SIGNING & STRIPING PLAN                                  | C-015   |
| SIGN SCHEDULE  | C-016   |

ADDENDUM 1

# JUNEAU INTERNATIONAL AIRPORT SNOW REMOVAL EQUIPMENT FACILITY

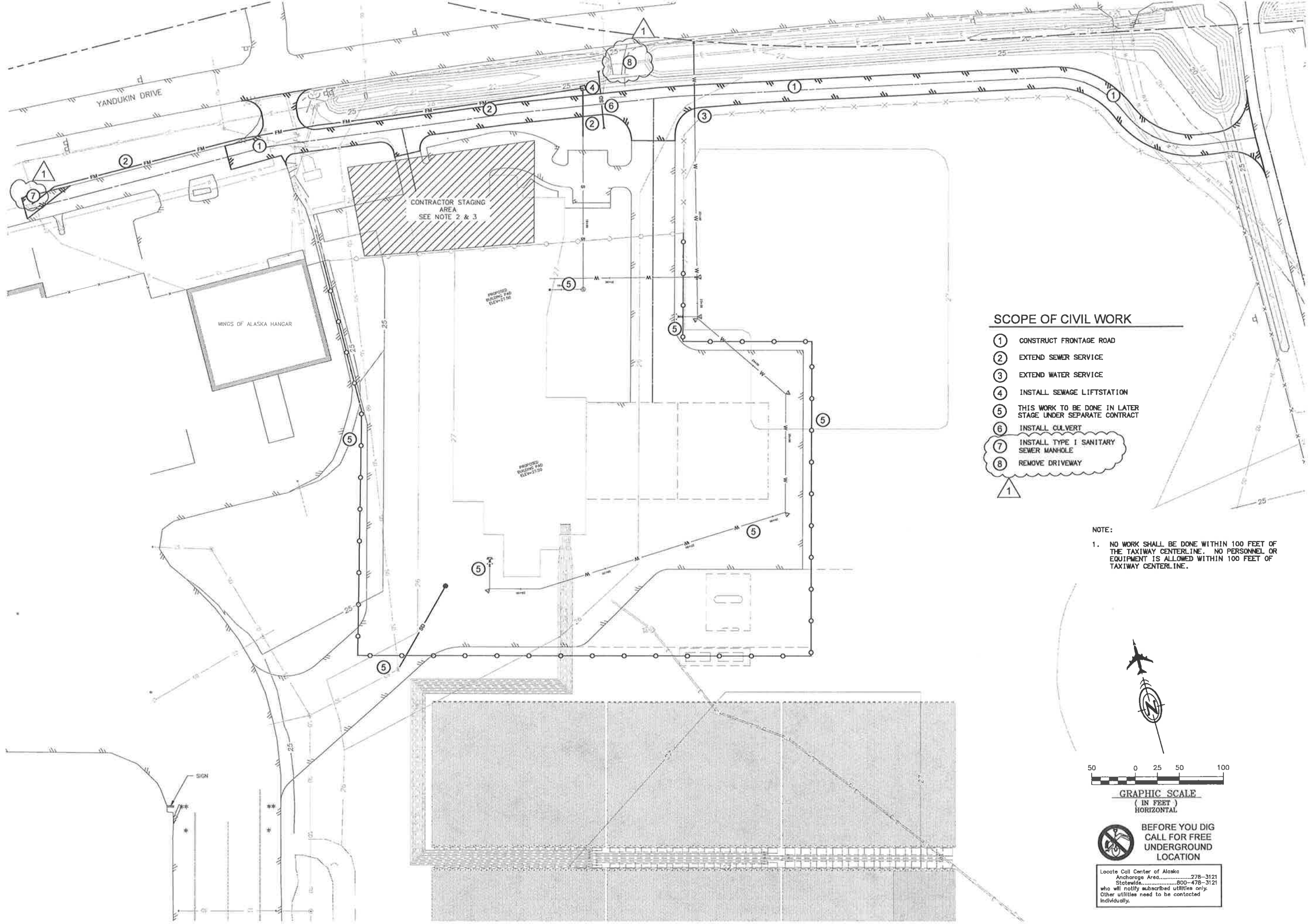
CONSTRUCTION DOCUMENTS - SITE INFRASTRUCTURE



COVER SHEET INDEX  
 FILE NAME: JUV  
 AUTHOR: TJA  
 REVISIONS: 1  
 06/28/2012  
 CHECKED: BRH  
 JUNEAU CONTRACT # JNU E12-280  
 FAA AIP # 3-02-0133-051-2011

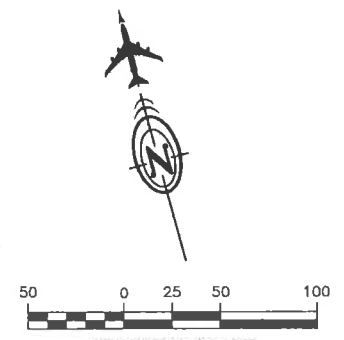


P:\Projects\080021\080021\080021-01\080021-01.dwg 2012-06-28 15:05:19 USER: KJB  
 DOWL FILE NO. 234-5  
 SCRIPT FILE



- SCOPE OF CIVIL WORK**
- ① CONSTRUCT FRONTAGE ROAD
  - ② EXTEND SEWER SERVICE
  - ③ EXTEND WATER SERVICE
  - ④ INSTALL SEWAGE LIFTSTATION
  - ⑤ THIS WORK TO BE DONE IN LATER STAGE UNDER SEPARATE CONTRACT
  - ⑥ INSTALL CULVERT
  - ⑦ INSTALL TYPE I SANITARY SEWER MANHOLE
  - ⑧ REMOVE DRIVEWAY

**NOTE:**  
 1. NO WORK SHALL BE DONE WITHIN 100 FEET OF THE TAXIWAY CENTERLINE. NO PERSONNEL OR EQUIPMENT IS ALLOWED WITHIN 100 FEET OF TAXIWAY CENTERLINE.



**BEFORE YOU DIG  
 CALL FOR FREE  
 UNDERGROUND  
 LOCATION**

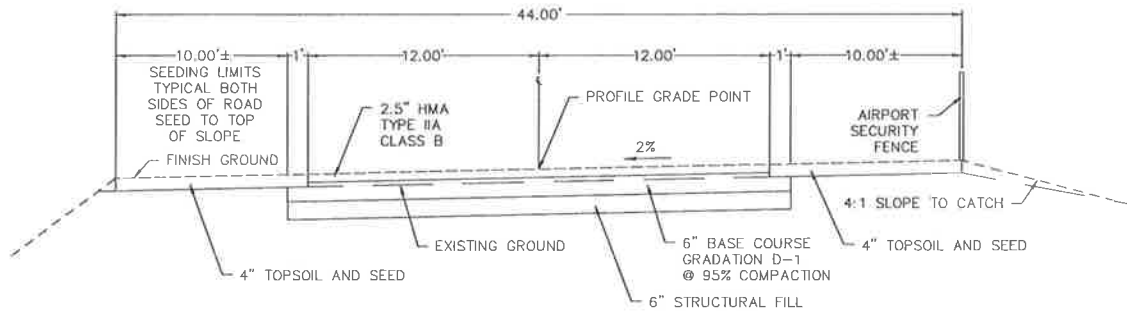
Loote Call Center of Alaska  
 Anchorage Area.....278-3121  
 Statewide.....800-478-3121  
 who will notify subscribed utilities only.  
 Other utilities need to be contacted  
 individually.

**ADDENDUM 1**

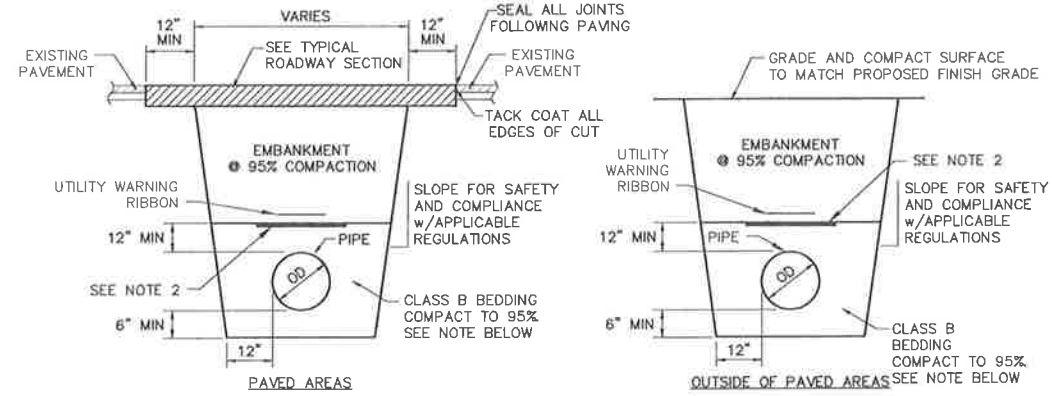
**JUNEAU INTERNATIONAL AIRPORT  
 SNOW REMOVAL EQUIPMENT  
 FACILITY**  
 CONSTRUCTION DOCUMENTS - SITE INFRASTRUCTURE



**CIVIL PROJECT LAYOUT PLAN**  
 FILE NAME: J:\Projects\080021\080021\080021-01\080021-01.dwg  
 CHECKED: BRH  
 AUTHOR: TJA  
 JUNEAU CONTRACT # JNU E12-280  
 REVISIONS: 1  
 FAA AIP #3-02-0133-051-2011  
 06/28/2012

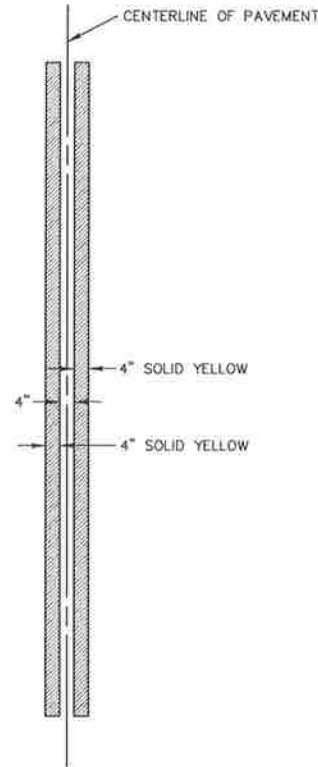


**1 FRONTAGE ROAD**  
 STA 55+00 TO STA 56+00 AND STA 58+50 TO 63+50  
 C-003

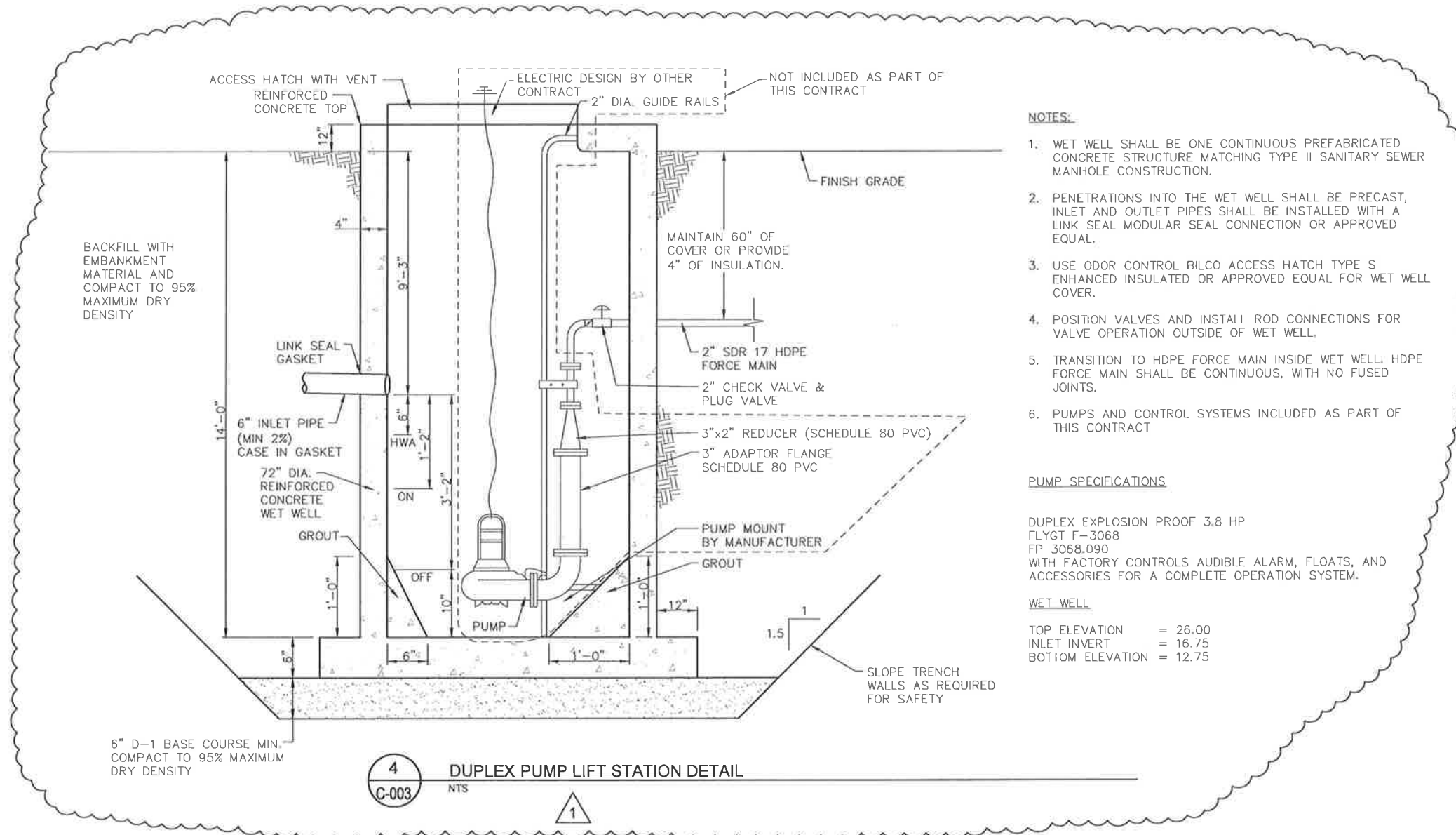


- NOTES:**
1. PIPE BEDDING TO SPRING LINE ONLY FOR ALL DUCTILE IRON PIPE.
  2. 6"x4' RIGID INSULATION WHERE WATER AND PRESSURE SANITARY SEWER COVER IS LESS THAN 5'.

**2 UTILITY TRENCHES**  
 C-003



**3 CENTERLINE STRIPING DETAIL**  
 NTS  
 C-003



**4 DUPLEX PUMP LIFT STATION DETAIL**  
 NTS  
 C-003

- NOTES:**
1. WET WELL SHALL BE ONE CONTINUOUS PREFABRICATED CONCRETE STRUCTURE MATCHING TYPE II SANITARY SEWER MANHOLE CONSTRUCTION.
  2. PENETRATIONS INTO THE WET WELL SHALL BE PRECAST, INLET AND OUTLET PIPES SHALL BE INSTALLED WITH A LINK SEAL MODULAR SEAL CONNECTION OR APPROVED EQUAL.
  3. USE ODOR CONTROL BILCO ACCESS HATCH TYPE S ENHANCED INSULATED OR APPROVED EQUAL FOR WET WELL COVER.
  4. POSITION VALVES AND INSTALL ROD CONNECTIONS FOR VALVE OPERATION OUTSIDE OF WET WELL.
  5. TRANSITION TO HDPE FORCE MAIN INSIDE WET WELL. HDPE FORCE MAIN SHALL BE CONTINUOUS, WITH NO FUSED JOINTS.
  6. PUMPS AND CONTROL SYSTEMS INCLUDED AS PART OF THIS CONTRACT

**PUMP SPECIFICATIONS**

DUPLEX EXPLOSION PROOF 3.8 HP  
 FLYGT F-3068  
 FP 3068.090  
 WITH FACTORY CONTROLS AUDIBLE ALARM, FLOATS, AND ACCESSORIES FOR A COMPLETE OPERATION SYSTEM.

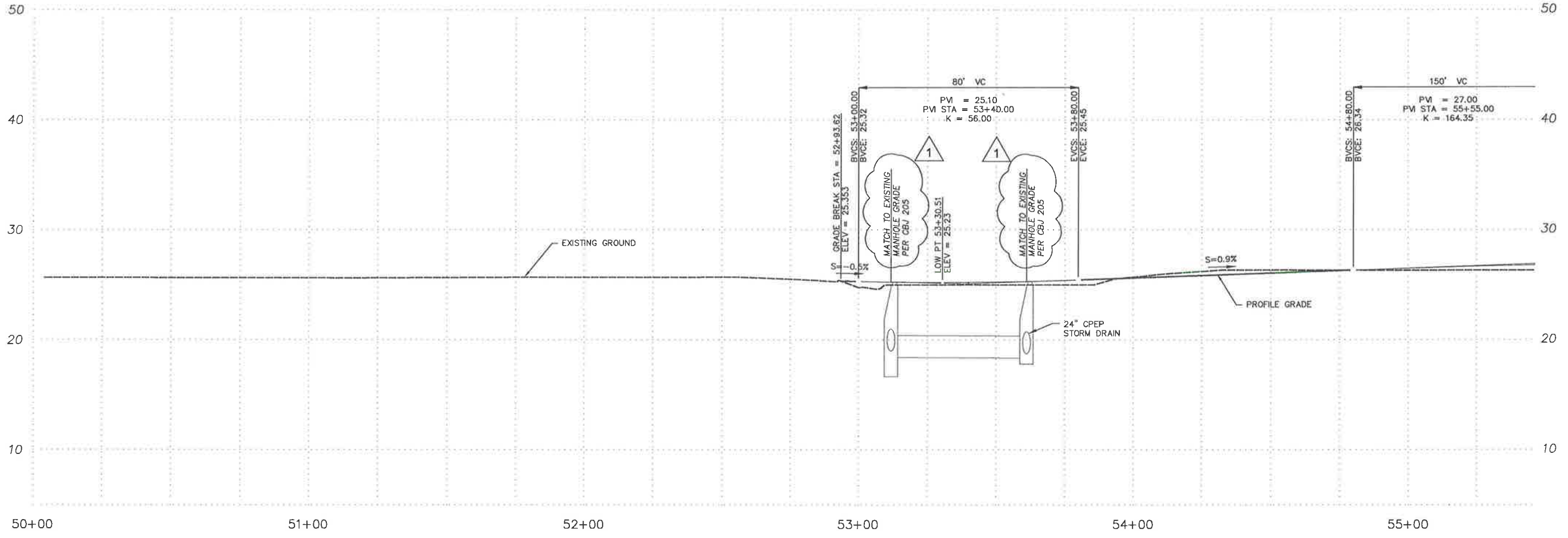
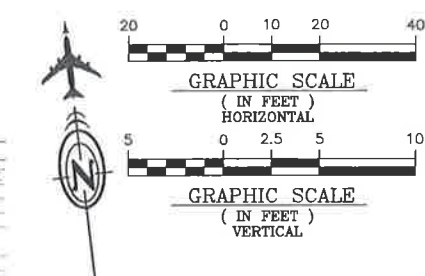
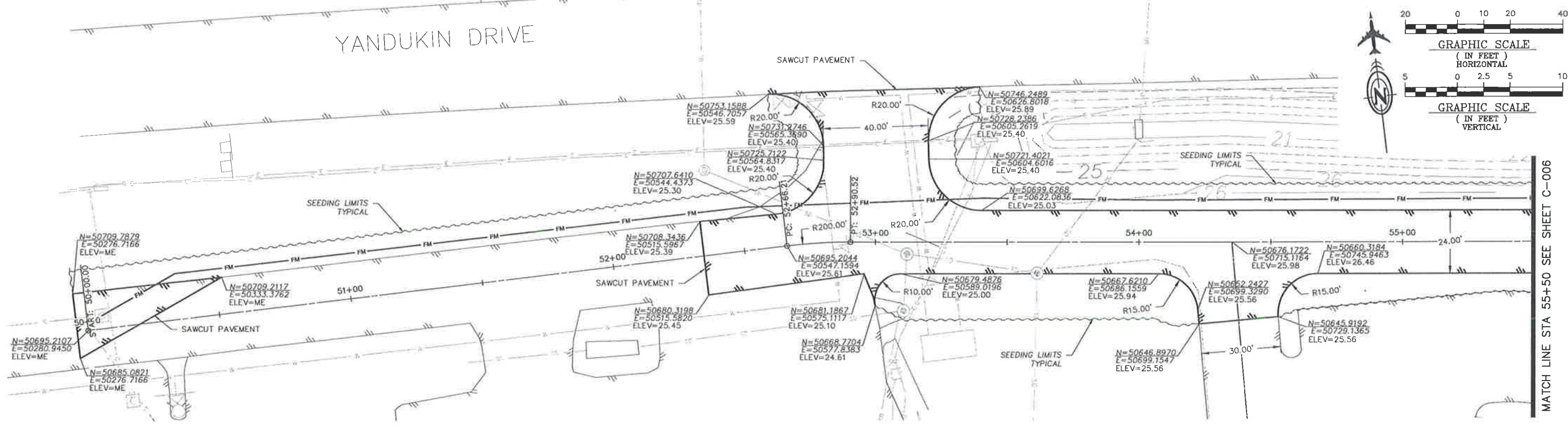
**WET WELL**

TOP ELEVATION = 26.00  
 INLET INVERT = 16.75  
 BOTTOM ELEVATION = 12.75

ADDENDUM 1



P:\Projects\1600021\DESIGN\JUNU\_Site.dwg 2012-6-28 16:12:10 USER: RJB  
 DWL FILE NO: 234-51  
 SCRIPT FILE



| Station  | Proposed Elevation | Existing Elevation |
|----------|--------------------|--------------------|
| 50+00.00 |                    | 25.66              |
| 50+25.00 |                    | 25.65              |
| 50+50.00 |                    | 25.64              |
| 50+75.00 |                    | 25.63              |
| 51+00.00 |                    | 25.62              |
| 51+25.00 |                    | 25.61              |
| 51+50.00 |                    | 25.60              |
| 51+75.00 |                    | 25.59              |
| 52+00.00 |                    | 25.58              |
| 52+25.00 |                    | 25.57              |
| 52+50.00 |                    | 25.56              |
| 52+75.00 |                    | 25.55              |
| 53+00.00 | 25.32              | 24.78              |
| 53+25.00 | 25.24              | 25.00              |
| 53+50.00 | 25.27              | 25.00              |
| 53+75.00 | 25.41              | 25.00              |
| 54+00.00 | 25.63              | 25.71              |
| 54+25.00 | 25.85              | 26.22              |
| 54+50.00 | 26.07              | 26.35              |
| 54+75.00 | 26.29              | 26.34              |
| 55+00.00 | 26.50              | 26.32              |
| 55+25.00 | 26.67              | 26.32              |

APPENDUM 1

DOWL HKM  
 EC/HYER ARCHITECTURE + INTERIORS  
 101 WEST BENSON BOULEVARD, SUITE 306  
 ANCHORAGE, ALASKA 99503 907.561.5543  
 PROJECT NO. 0308 / DOWL HKM D60021

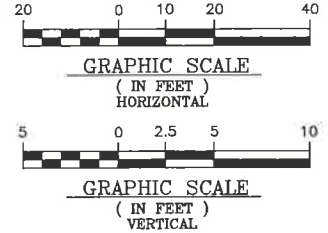
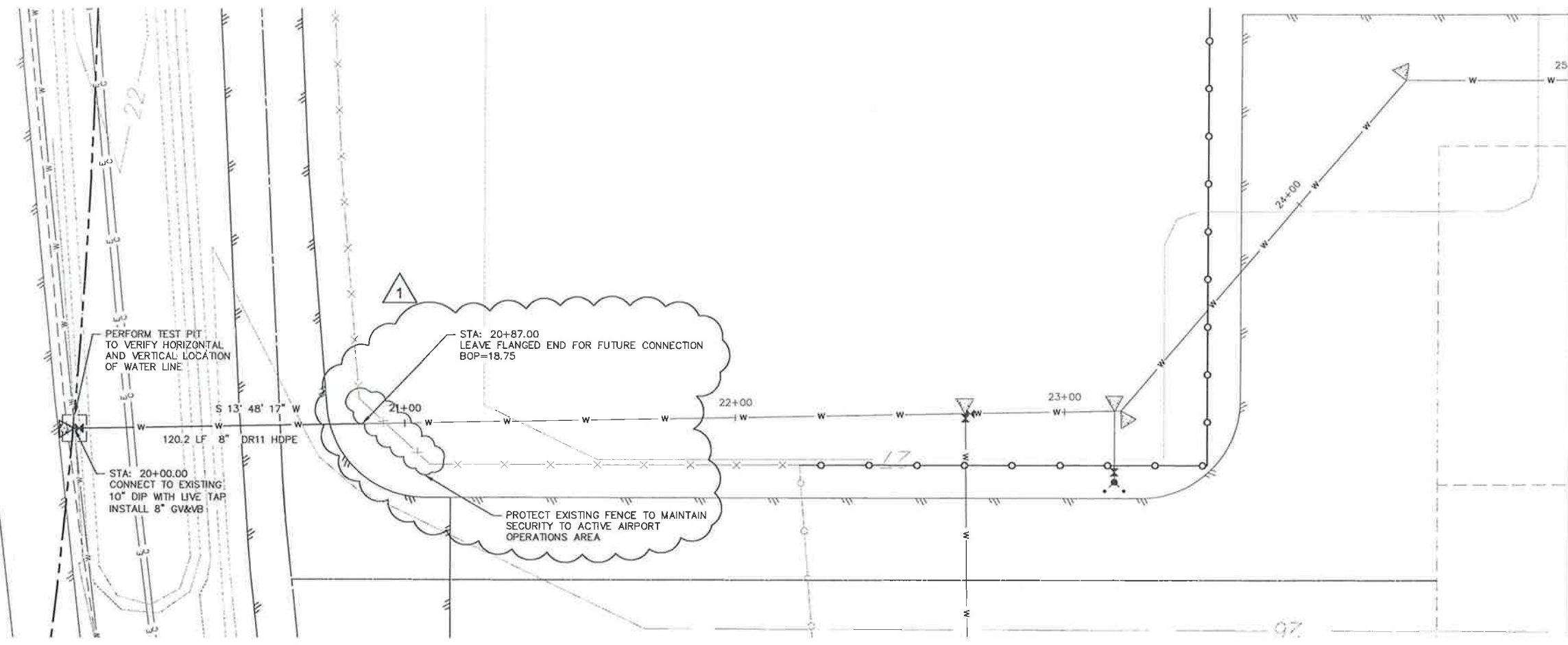
**JUNEAU INTERNATIONAL AIRPORT  
 SNOW REMOVAL EQUIPMENT  
 FACILITY**  
 CONSTRUCTION DOCUMENTS - SITE INFRASTRUCTURE



FRONTAGE ROAD PLAN & PROFILE  
 FILE NAME:  
 AUTHOR: TJA  
 REVISIONS: 1  
 06/28/2012

CHECKED: BRH  
 JUNEAU CONTRACT #JNU E12-280  
 FAA AIP #3-02-0133-051-2011

C-005



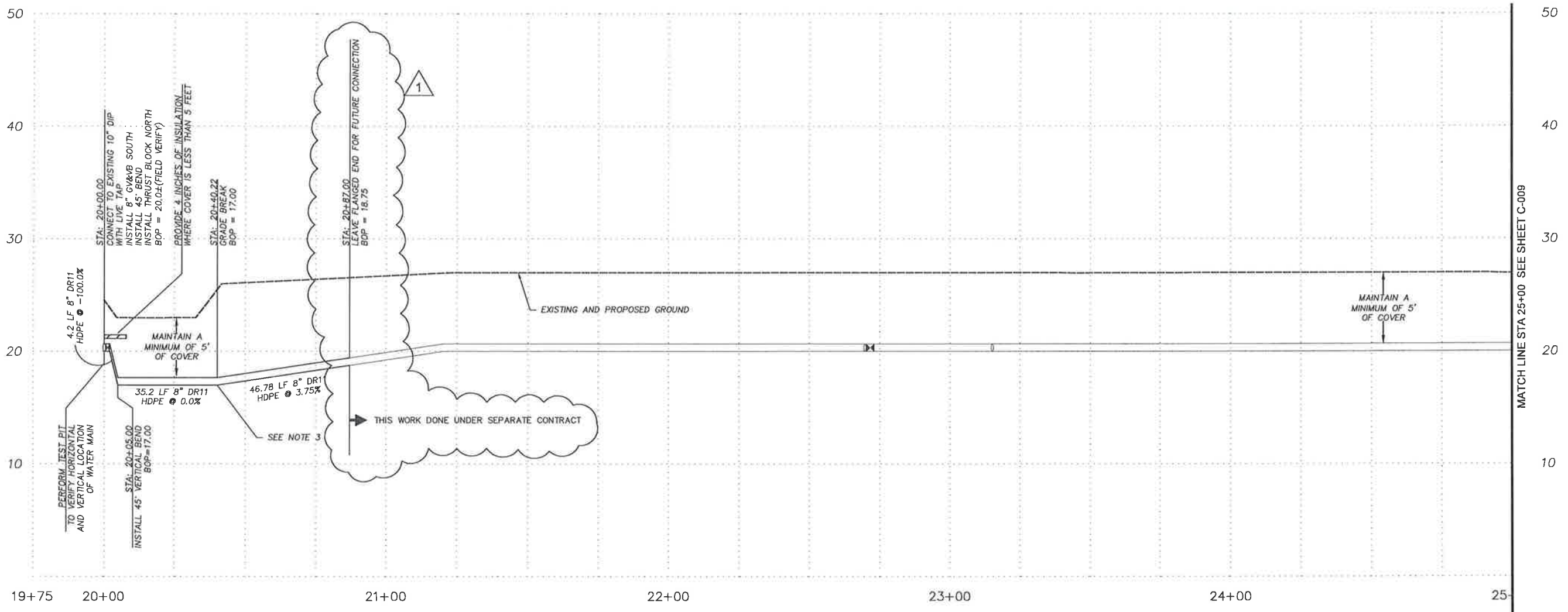
NOTES:

1. MAINLINE VALVES SHALL CONFORM TO CBJ STANDARD DRAWING 407.
2. ALL THRUST BLOCKS AND RESTRAINING BLOCKING SHALL CONFORM TO CBJ STANDARD DRAWINGS 414A AND 414B.
3. DEFLECT PIPE PER MANUFACTURERS WRITTEN RECOMMENDATIONS.



**BEFORE YOU DIG  
CALL FOR FREE  
UNDERGROUND  
LOCATION**

Locate Call Center of Alaska  
Anchorage Area 276-3121  
Statewide 800-478-3121  
who will notify subscribed utilities only.  
Other utilities need to be contacted  
individually.



ADDENDUM 1

WATER PLAN & PROFILE

FILE NAME:  
AUTHOR: TJA  
REVISIONS: 1  
06/28/2012

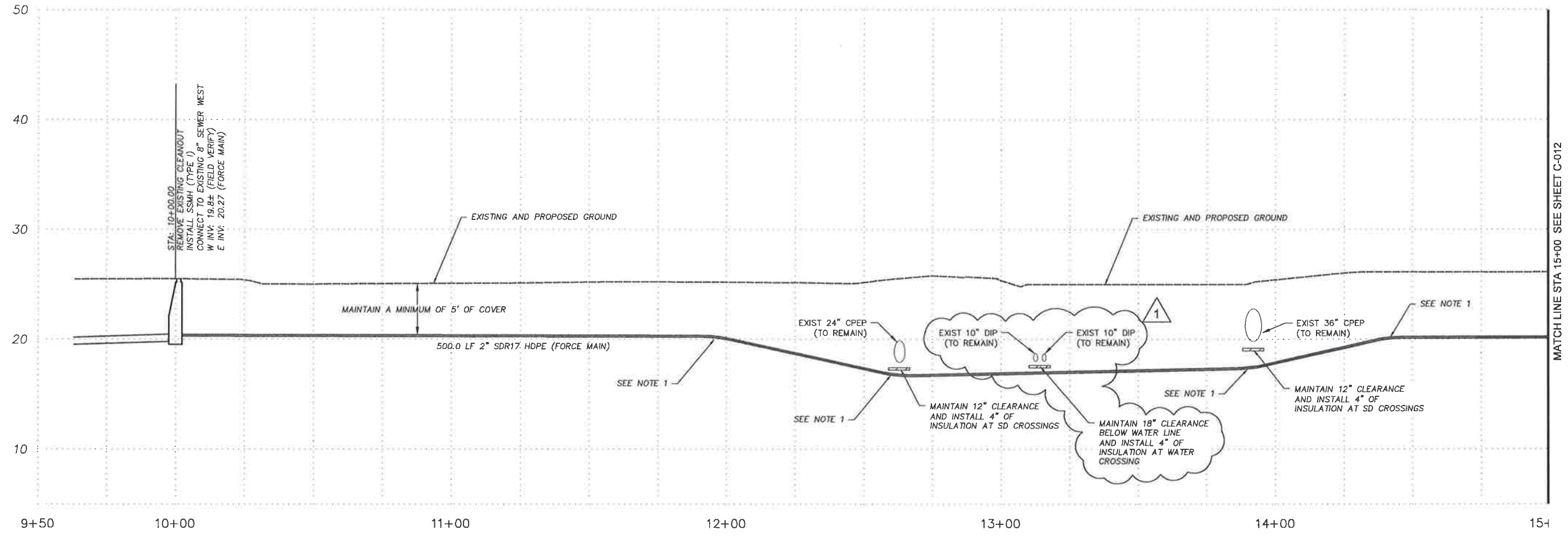
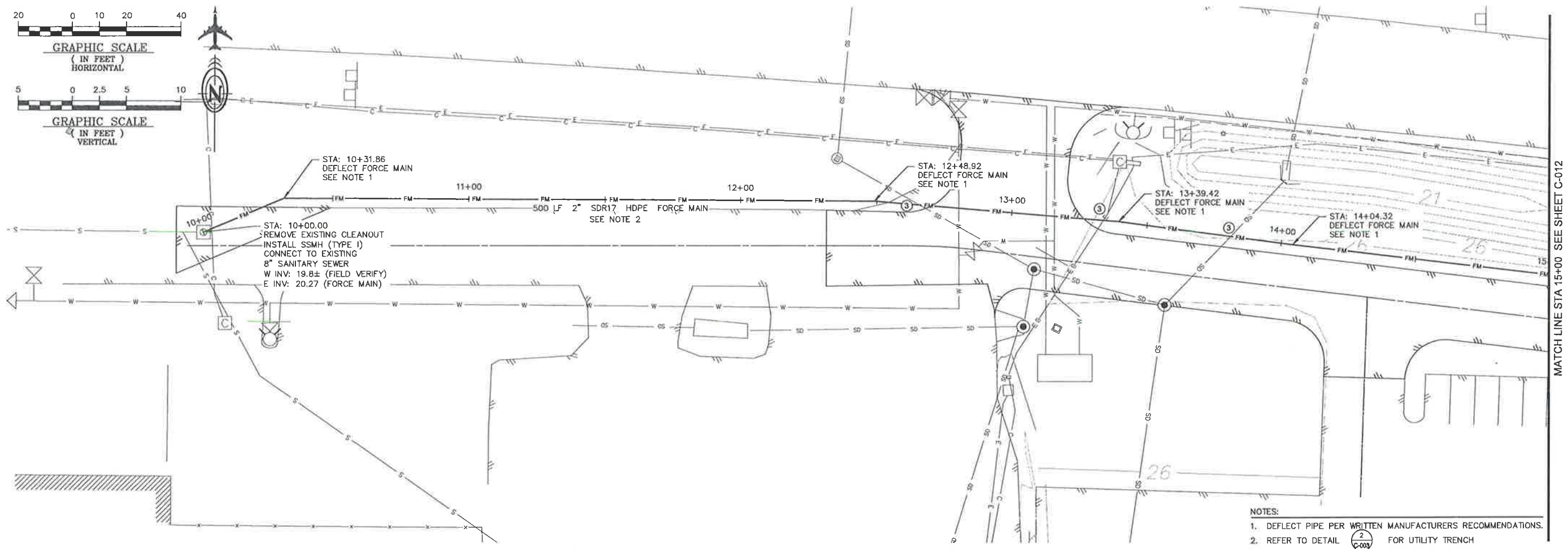
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JUNEAU CONTRACT # JNU E12-280  
FAA AIP # 2-02-0133-051-2011



**JUNEAU INTERNATIONAL AIRPORT  
SNOW REMOVAL EQUIPMENT  
FACILITY**

CONSTRUCTION DOCUMENTS - SITE INFRASTRUCTURE

DOWL HKM  
ECI/HYER ARCHITECTURE + INTERIORS  
101 WEST BENSON BOULEVARD, SUITE 306  
ANCHORAGE, ALASKA 99503 907.561.5543  
PROJECT NO. 0308 / DOWL HKM D60021



APPENDUM 1

DOWL HKM  
ECI/HYER ARCHITECTURE + INTERIORS  
101 WEST BENSON BOULEVARD, SUITE 306  
ANCHORAGE, ALASKA 99503 907.561.5543  
PROJECT NO. 0308 / DOWL HKM D60021

**JUNEAU INTERNATIONAL AIRPORT  
SNOW REMOVAL EQUIPMENT  
FACILITY**

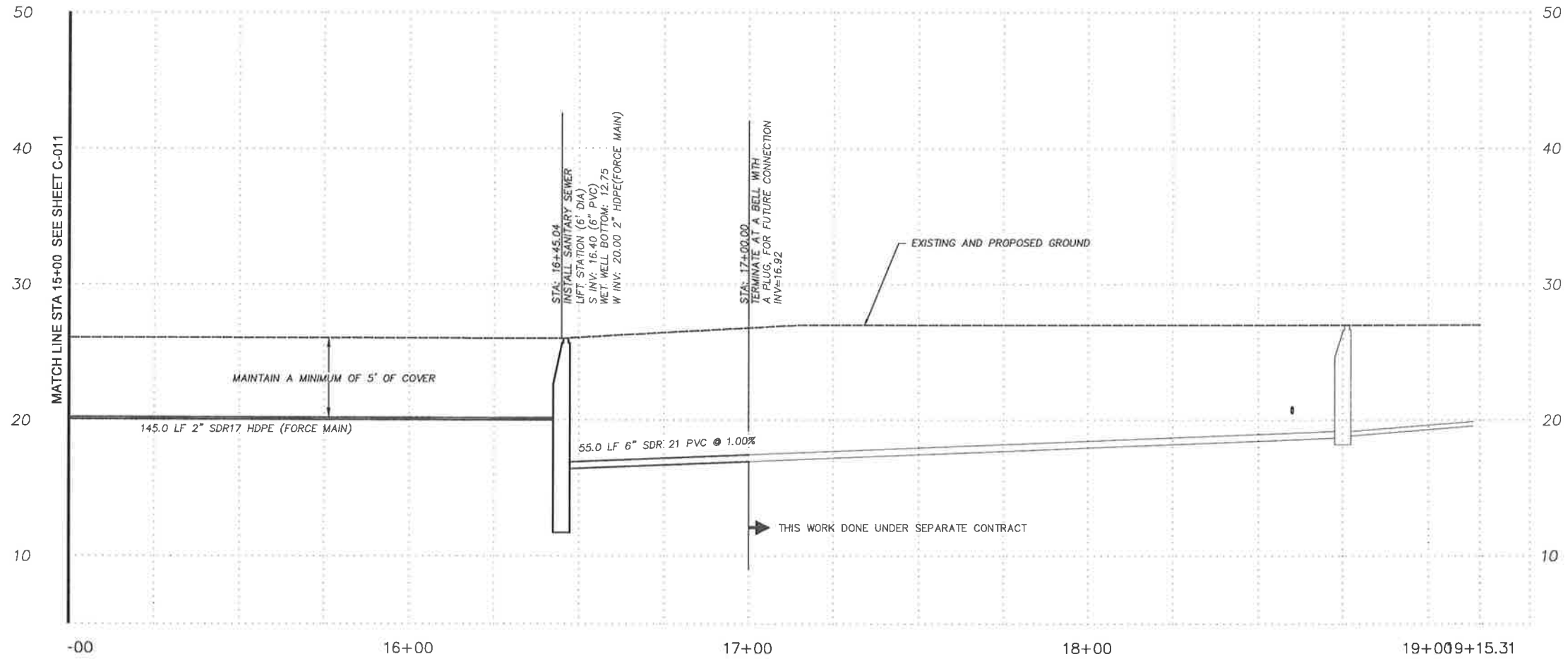
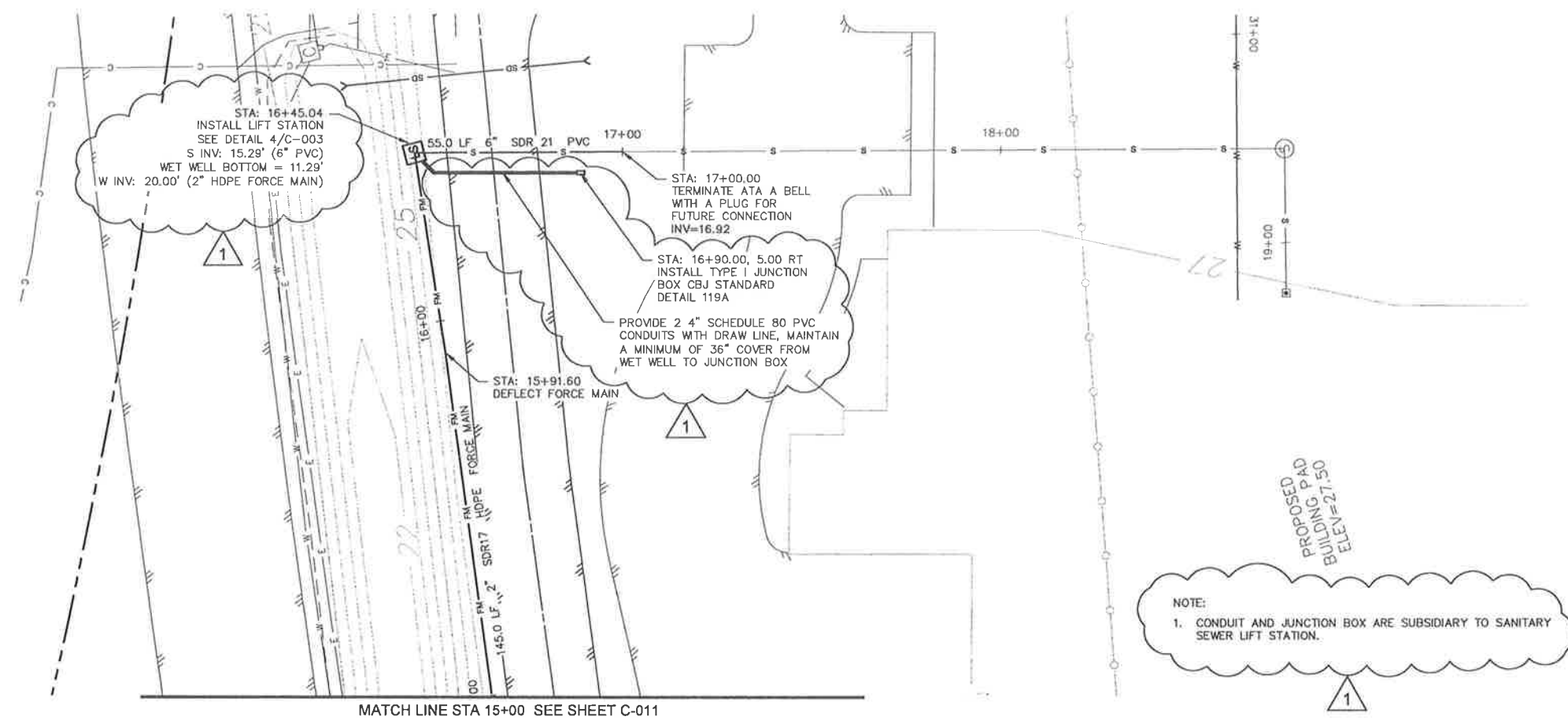
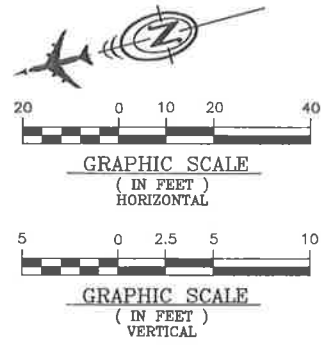
CONSTRUCTION DOCUMENTS - SITE INFRASTRUCTURE



CHECKED: BRH  
JUNEAU CONTRACT # JNU E12-280  
FAA AIP #3-02-0133-051-2011

SEWER PLAN & PROFILE  
FILE NAME:  
AUTHOR: TJA  
REVISIONS:  
06/28/2012

C-009



ADDENDUM 1

SEWER PLAN & PROFILE  
 FILE NAME:   
 AUTHOR: TJA  
 REVISIONS: 06/28/2012

CHECKED: BRH  
 JUNEAU CONTRACT # JNU E12-280  
 FAA AIP #3-02-0133-051-2011

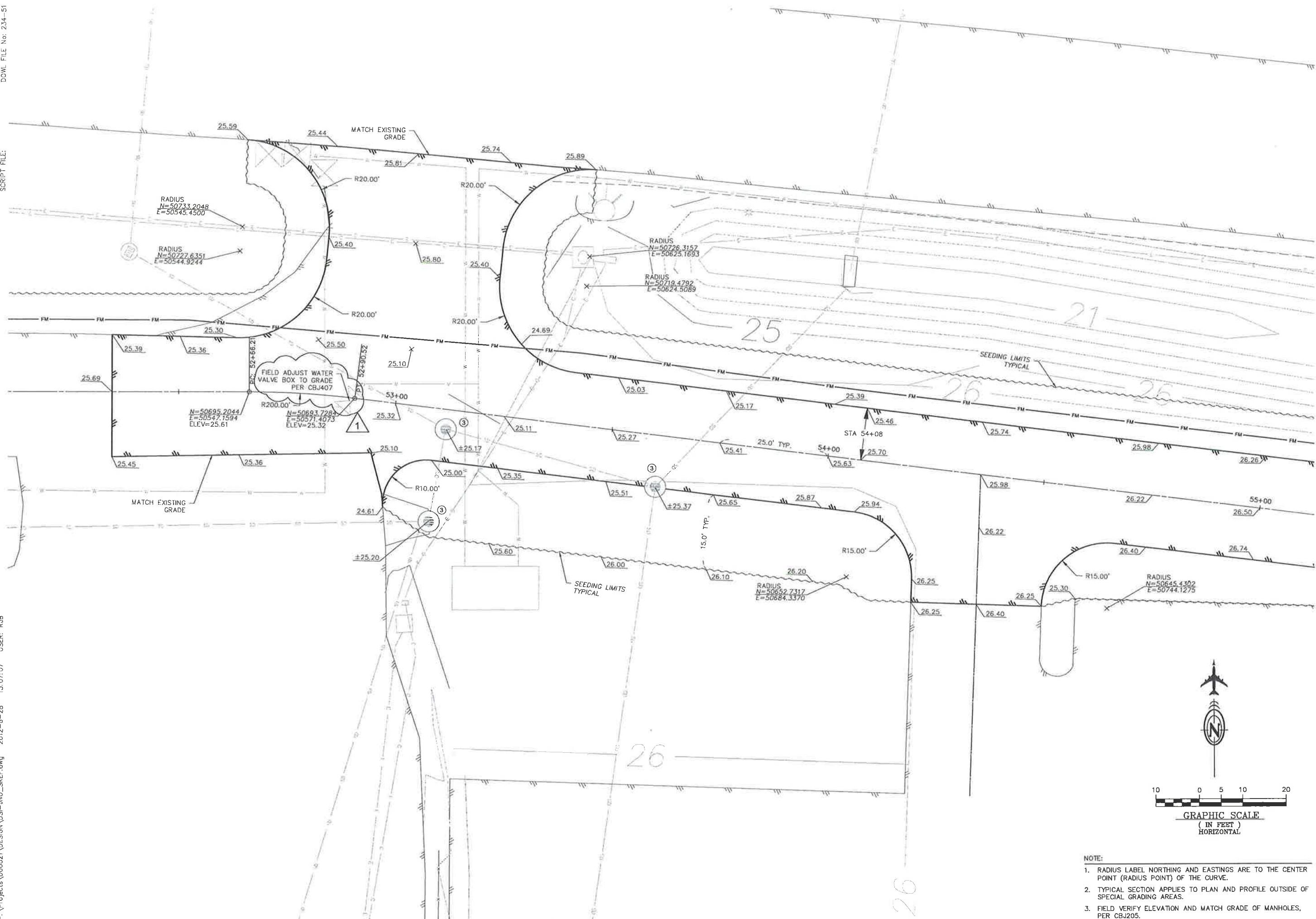


**JUNEAU INTERNATIONAL AIRPORT  
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 FACILITY**  
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 ANCHORAGE, ALASKA 99503 907.561.5543  
 PROJECT NO. 0308 / DOWL HKM D60021

P:\Projects\080021\DESIGN\01-01\01-SHE1.dwg 2012-8-28 15:07:07 USER: KUB

SCRIPT FILE: DOWL FILE No: 234-51



- NOTE:
1. RADIUS LABEL NORTHING AND EASTINGS ARE TO THE CENTER POINT (RADIUS POINT) OF THE CURVE.
  2. TYPICAL SECTION APPLIES TO PLAN AND PROFILE OUTSIDE OF SPECIAL GRADING AREAS.
  3. FIELD VERIFY ELEVATION AND MATCH GRADE OF MANHOLES, PER CBJ205.

APPENDUM 1

GRADING PLAN

FILE NAME:  
AUTHOR: TJA  
REVISIONS: 1  
06/28/2012

CHECKED: BRH  
JUNEAU CONTRACT # JNU E12-280  
FAA AIP #3-02-0133-051-2011

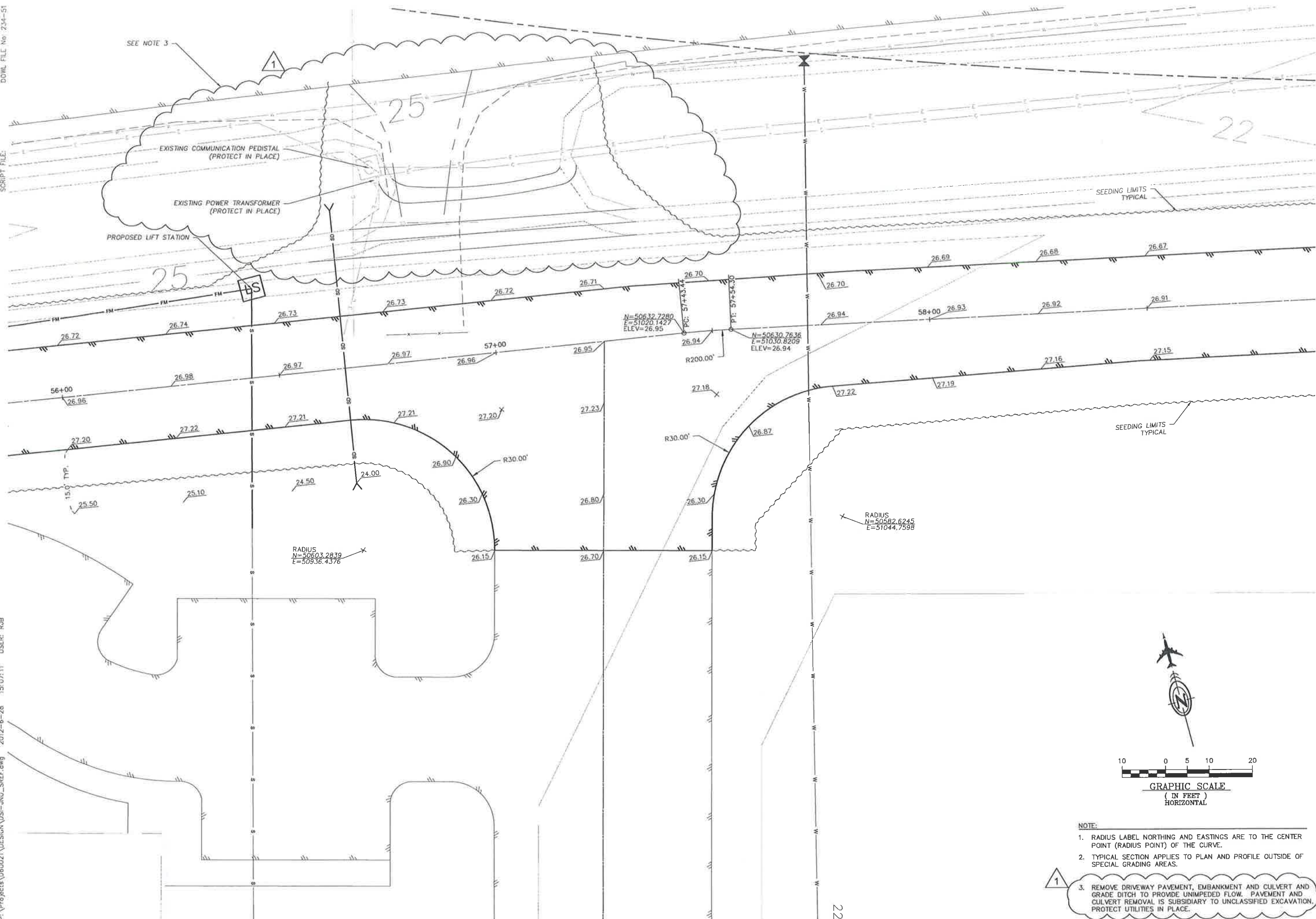


**JUNEAU INTERNATIONAL AIRPORT  
SNOW REMOVAL EQUIPMENT  
FACILITY**

CONSTRUCTION DOCUMENTS - SITE INFRASTRUCTURE

DOWL HKM  
ECI/HYER ARCHITECTURE + INTERIORS  
101 WEST BENSON BOULEVARD, SUITE 306  
ANCHORAGE, ALASKA 99503 907.561.5543  
PROJECT NO. 0308 / DOWL HKM D60021

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- NOTE:**
1. RADIUS LABEL NORTHING AND EASTINGS ARE TO THE CENTER POINT (RADIUS POINT) OF THE CURVE.
  2. TYPICAL SECTION APPLIES TO PLAN AND PROFILE OUTSIDE OF SPECIAL GRADING AREAS.
  3. REMOVE DRIVEWAY PAVEMENT, EMBANKMENT AND CULVERT AND GRADE DITCH TO PROVIDE UNIMPEDED FLOW. PAVEMENT AND CULVERT REMOVAL IS SUBSIDIARY TO UNCLASSIFIED EXCAVATION. PROTECT UTILITIES IN PLACE.

ADDENDUM 1

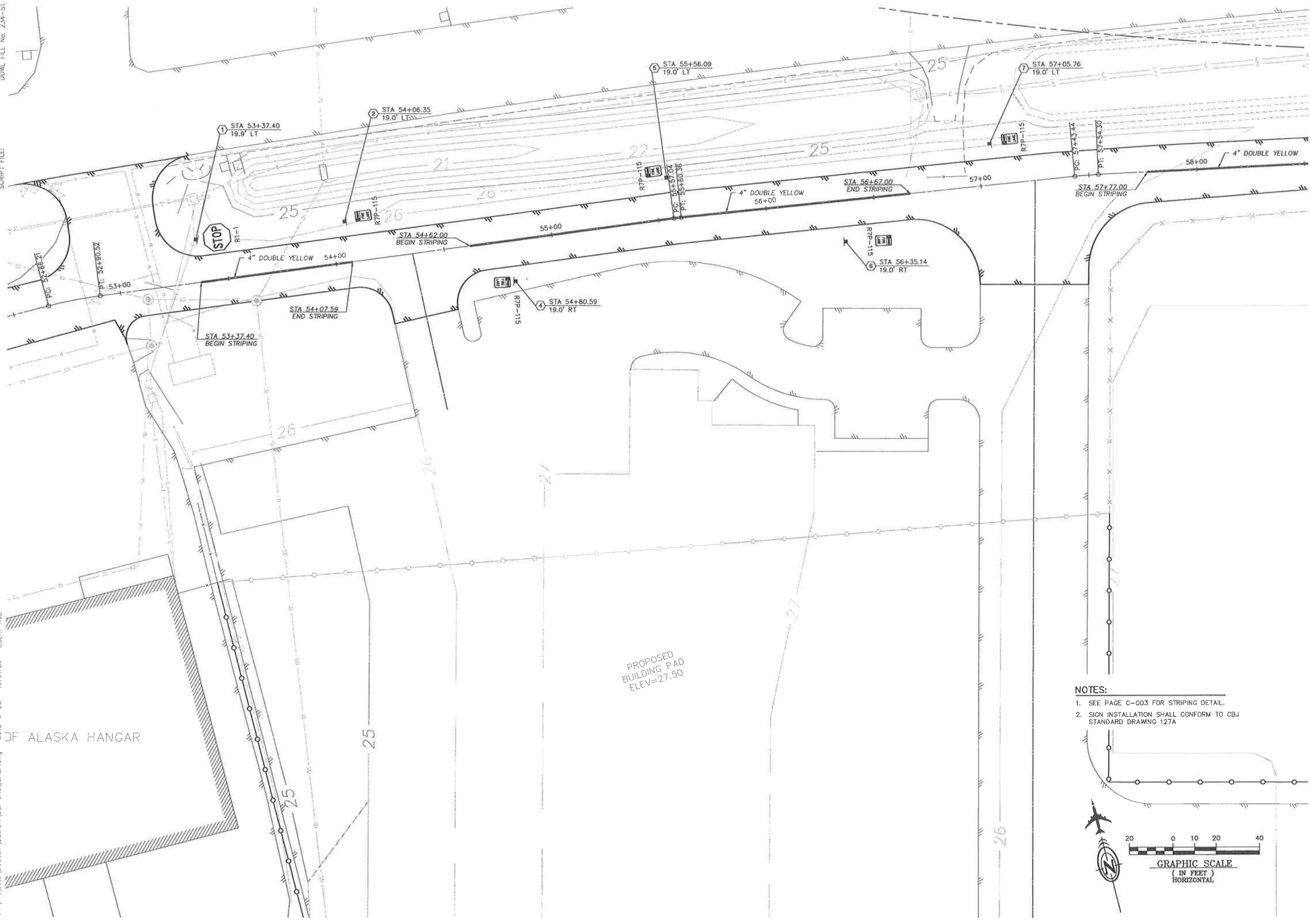
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 ECI/HYER ARCHITECTURE + INTERIORS  
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 ANCHORAGE, ALASKA 99503 907.561.5543  
 PROJECT NO. 0308 / DOWL HKM D60021

**JUNEAU INTERNATIONAL AIRPORT  
 SNOW REMOVAL EQUIPMENT  
 FACILITY**  
 CONSTRUCTION DOCUMENTS - SITE INFRASTRUCTURE



**GRADING PLAN**  
 FILE NAME: CHECKED: BRH  
 AUTHOR: TJA JUNEAU CONTRACT # JNU E12-280  
 REVISIONS: 1 JUNEAU AIP #3-02-0133-051-2011  
 06/28/2012

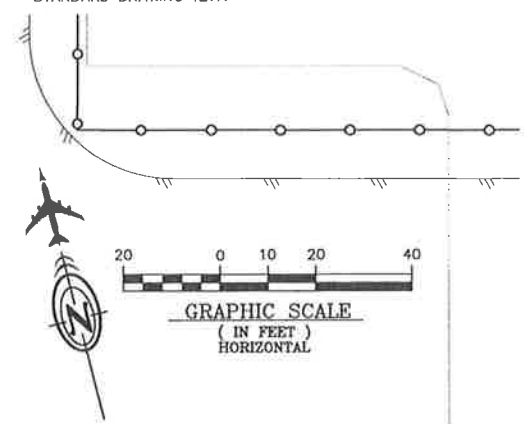




OF ALASKA HANGAR

PROPOSED BUILDING PAD  
ELEV=27.50

- NOTES:**
1. SEE PAGE C-003 FOR STRIPING DETAIL.
  2. SIGN INSTALLATION SHALL CONFORM TO CBJ STANDARD DRAWING 127A



ADDENDUM 1

**SIGNING & STRIPING PLAN**  
 FILE NAME:  
 AUTHOR: TJA  
 REVISIONS:  
 06/28/2012

CHECKED: BRH  
 JUNEAU CONTRACT # JNU E12-280  
 FAA AIP # 3-02-0133-051-2011



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