

STATEMENT OF WORK

THE CIVIL SCOPE OF THIS PROJECT IS COMPRISED OF THE LIMITED SITE DEMOLITION INCLUDING CLEARING AND GRUBBING AS WELL AS GRADING/EARTHWORKS, PAVING, FENCING, UTILITY DISTRIBUTION FOR WATER SERVICES, ALL RELATED TO THE CONSTRUCTION OF PAD 3D AT ALASKA AEROSPACE CORPORATION'S PACIFIC SPACEPORT COMPLEX-ALASKA.

CIVIL GENERAL NOTES

- 1. COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
2. COMPLY WITH PERMIT CONDITIONS AND POST A COPY OF PROJECT PERMITS ONSITE ON A WEATHERPROOF DISPLAY BOARD.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATIONS AND CRITICAL ELEVATIONS OF UTILITIES AND COORDINATE WITH THE APPROPRIATE AUTHORITIES AND UTILITY OWNERS PRIOR TO CONSTRUCTION...

SITE CLEARING

- 1. REMOVE TREES, SHRUBS, GRASS AND OTHER VEGETATION, IMPROVEMENTS, OR OBSTRUCTIONS, WITHIN AREA OF WORK, TO PERMIT INSTALLATION OF CONSTRUCTION. REMOVE SIMILAR ITEMS ELSEWHERE ON SITE OR PREMISES AS SPECIFICALLY INDICATED.
2. TOPSOIL IS DEFINED AS FRAGILE CLAY LOAM SURFACE SOIL, BROWN FIBROUS PEAT AS DEFINED IN THE GEOTECHNICAL ENGINEERING REPORT BY R & M CONSULTANTS, INC., DATED LINE 15, 2009.
3. STRIP TOPSOIL TO DEPTHS ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER OBJECTIONABLE MATERIAL.

EARTHWORK

- 1. THE PROJECT GEOTECHNICAL REPORT WAS PERFORMED BY SHANNON & WILSON, INC. DATED MAY 2023. THE BORING LOGS SHOW SUBSURFACE CONDITIONS AT THE DATES AND LOCATIONS INDICATED, AND IT IS NOT WARRANTED THAT THEY ARE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES. THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
2. COMPLY WITH APPLICABLE REQUIREMENTS OF NFPA 495 - EXPLOSIVE MATERIALS CODE.
3. SUBMIT MATERIAL TEST REPORTS, MATERIAL CERTIFICATES, AND COMPACTION TEST REPORTS, SIGNED AND SEALED BY AN ALASKA LICENSED PROFESSIONAL ENGINEER, TO THE ENGINEER OF RECORD & OWNERS REPRESENTATIVE.

- 1. SEEDING SHALL BE IN ACCORDANCE WITH SECTION 618 OF THE ALASKA DOT & PF STANDARD DETAILS FOR HIGHWAY CONSTRUCTION EXCEPT THAT THE SEEDING RESTRICTIONS BEFORE MAY 15 AND AFTER AUGUST 15 DO NOT APPLY. ALL OTHER CONDITIONS APPLY.
2. SUBMIT CERTIFICATION OF GRASS SEED FROM SEED VENDOR FOR EACH GRASS-SEED MIXTURE STATING THE BOTANICAL AND COMMON NAME AND PERCENTAGE BY WEIGHT OF EACH SPECIES AND VARIETY AND PERCENTAGE OF PURITY, GERMINATION, AND WEED SEED. INCLUDE THE YEAR OF PRODUCTION AND DATE OF PACKAGING.
3. FOR TOPSOIL MATERIAL, REUSE SURFACE SOO STOCKPILED ON THE SITE.

- 1. UTILITY TRENCH BACKFILL: PLACE AND COMPACT INITIAL BACKFILL OF SATISFACTORY SOIL MATERIAL OR SUBBASE MATERIAL, IN ACCORDANCE WITH SECTION 7.8 OF THE PROJECT GEOTECHNICAL REPORT.
2. CAREFULLY COMPACT MATERIAL UNDER PIPE HAUNCHES AND BRING BACKFILL EVENLY UP ON BOTH SIDES AND ALONG THE FULL LENGTH OF UTILITY PIPING OR CONDUIT TO AVOID DAMAGE OR DISPLACEMENT OF UTILITY SYSTEM.
3. PLACE AND COMPACT FINAL BACKFILL OF SATISFACTORY SOIL MATERIAL TO FINAL SUBGRADE.

SURVEY

- 1. EXISTING SITE CONDITIONS SHOWN ARE BASED ON A TOPOGRAPHIC SURVEY BY LOUNSBURY & ASSOCIATES, INC. DATED 01-23-2025. THE CONTRACTOR SHALL FIELD VERIFY EXISTING SITE INFORMATION SHOWN ON THE SURVEY PRIOR TO CONSTRUCTION.
a. VERTICAL CONTROL: ELEVATIONS ARE BASED ON NAVD 88 DATUM.
b. HORIZONTAL CONTROL: BASED UPON NAD83 (2002) ALASKA STATE PLANE, ZONE 6, US SURVEY FEET.
2. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING HORIZONTAL AND VERTICAL CONTROL FOR SITE CONSTRUCTION AND SHALL HIRE A SURVEYOR LICENSED IN THE STATE OF ALASKA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF SURVEY MONUMENTATION. DISTURBED SURVEY MONUMENTATION SHALL BE REPLACED BY A SURVEYOR LICENSED IN THE STATE OF ALASKA AT THE CONTRACTOR'S EXPENSE.

UTILITIES

- 1. COMPLY WITH STANDARDS OF AUTHORITIES HAVING JURISDICTION FOR PORTABLE WATER PIPING AND PLUMBING SYSTEMS. INCLUDE MATERIALS, INSTALLATION AND TESTING.
2. COMPLY WITH STANDARDS OF AUTHORITIES HAVING JURISDICTION FOR FIRE PROTECTION SYSTEMS. INCLUDE MATERIALS, HOSE THREADS, INSTALLATION, AND TESTING.
3. COMPLY WITH THE UNIFORM BUILDING CODE FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES FOR MATERIALS, INSTALLATIONS, TESTS, AND FLUSHING.
4. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
A. GATE VALVES: AMERICAN DARLING VALVE DIV., AMERICAN CAST IRON PIPE CO. CLOW VALVE CO. DIV., MOWANE, INC. MUELLER CO., GRINNELL CORP. OR EQUIVALENT.

LEGEND

- BUILDING
STORM DRAIN
STORM UNDERDRAIN
POWER / COMMUNICATIONS VAULT
CONTOUR
SPOT ELEVATION
FENCE
SILT FENCE
DEMOLITION
STOCK PILE
CONCRETE (SITE)
CONCRETE (STRUCTURAL)
AGGREGATE SURFACE
RIP RAP
WATER LINE
ELECTRICAL LINE
COMMUNICATIONS LINE
FIRE HYDRANT
YARD HYDRANT
GATE & VALVE BOX
LIGHT POLE
IMPERMEABLE LINER
SWALE CENTERLINE
AREA DRAIN
DRAINAGE FLOW

- 6. MAINTAIN A MINIMUM 6-FEET COVER OVER WATER MAIN PIPING.
7. GATE VALVES SHALL BE NONRISING STEM, AWWA C509, RESILIENT SEATED; BRONZE STEM, CAST-IRON OR DUCTILE-IRON BODY AND BONNET, STEM NUT, 200-PSIG WORKING PRESSURE, FLANGED ENDS.
8. VALVE BOXES SHALL BE OF CAST-IRON HAVING TOP SECTION AND COVER WITH LETTERING "WATER"; BOTTOM SECTION WITH BASE OF SIZE TO FIT OVER VALVE AND BARREL APPROXIMATELY 5 INCHES IN DIAMETER, AND ADJUSTABLE CAST-IRON EXTENSION OF LENGTH REQUIRED FOR DEPTH OF BURY OF VALVE.
9. PROVIDE (1) STEEL TEE-HANDLE OPERATING WRENCH FOR VALVE BOX OPERATION. WRENCH SHALL HAVE TEE HANDLE WITH ONE POINTED END, STEM OF LENGTH TO OPERATE VALVE, AND SOCKET-FITTING VALVE-OPERATING NUT.
10. FIRE HYDRANTS SHALL BE DRY-BARREL TYPE, AWWA C502, TWO 2-1/2-INCH AND ONE 4-1/2-INCH OUTLETS, 5-1/4-INCH MAIN VALVE, DRAIN VALVE, AND 6-INCH FLANGED JOINT INLET. OUTLET THREADS SHALL MEET THE REQUIREMENTS OF LOCAL FIRE MARSHALL.
11. PROVIDE THRUST RESTRAINT IN ACCORDANCE WITH DETAIL U-43.00 OF THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD DETAILS.

SEEDING

- 1. STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND, AND DEBRIS DURING CONSTRUCTION. ACCUMULATION WITHIN THE STORM DRAINAGE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING PRIOR TO THE RELEASE OF RETAINAGE.
2. CONTRACTOR SHALL DEVELOP A STORMWATER POLLUTION PREVENTION PLAN IDENTIFYING PLACEMENT OF EROSION CONTROL BEST MANAGEMENT PRACTICES INCLUDING SILT FENCE INSTALLATION AND SUBMIT FOR REVIEW BY THE OWNER'S REPRESENTATIVE.
3. FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED IMPROVEMENTS TO AVOID OBSTACLES, AS REQUIRED. CONTRACTOR SHALL CONSTRUCT THE PROPOSED FACILITIES TO THE REQUIRED DEVIATION AS APPROVED BY THE OWNER'S REPRESENTATIVE WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.

DRAINAGE

- 1. STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND, AND DEBRIS DURING CONSTRUCTION. ACCUMULATION WITHIN THE STORM DRAINAGE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING PRIOR TO THE RELEASE OF RETAINAGE.
2. CONTRACTOR SHALL DEVELOP A STORMWATER POLLUTION PREVENTION PLAN IDENTIFYING PLACEMENT OF EROSION CONTROL BEST MANAGEMENT PRACTICES INCLUDING SILT FENCE INSTALLATION AND SUBMIT FOR REVIEW BY THE OWNER'S REPRESENTATIVE.
3. FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED IMPROVEMENTS TO AVOID OBSTACLES, AS REQUIRED. CONTRACTOR SHALL CONSTRUCT THE PROPOSED FACILITIES TO THE REQUIRED DEVIATION AS APPROVED BY THE OWNER'S REPRESENTATIVE WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.
4. NO DISTURBANCE SHALL BE ALLOWED OUTSIDE THE LIMITS OF CONSTRUCTION UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE OR SPECIFICALLY NOTED ON THE PLANS.
5. EXISTING STORMWATER DRAINAGE PATTERNS AND CHANNELS ARE TO BE MAINTAINED. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IF THE WORK APPEARS TO INTERRUPT AN EXISTING STORMWATER DRAINAGE PATTERN. CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR SURFACE WATER DRAINAGE STRUCTURES AND SWALES DURING ALL PHASES OF CONSTRUCTION AND SHALL USE WHATEVER MEANS NECESSARY TO MANAGE STORMWATER SUCH THAT THE IMPACT TO CONSTRUCTION AND/OR SURROUNDING FACILITIES IS MINIMIZED. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION, SEDIMENT TRANSPORT, DISTURBED FOUNDATIONS, IMPACT TO STRUCTURES, AND ANY OTHER DAMAGE CAUSED DURING CONSTRUCTION.

AS-BUILT REQUIREMENTS

- 1. BEFORE REQUESTING FINAL INSPECTION, THE CONTRACTOR SHALL SUBMIT A CERTIFIED (BY A REGISTERED SURVEYOR LICENSED IN THE STATE OF ALASKA) SET OF AS-BUILT DRAWINGS TO THE COTR AND ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING INFORMATION ON THE AS-BUILT DRAWINGS CONCURRENTLY WITH CONSTRUCTION PROGRESS. AS-BUILT DRAWINGS SUBMITTED TO THE ENGINEER AS PART OF THE PROJECT ACCEPTANCE SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
A. DRAWINGS SHALL BE LEGIBLY MARKED TO RECORD ACTUAL CONSTRUCTION.
B. DRAWINGS SHALL SHOW ACTUAL LOCATION & ELEVATION OF BUILDING, PAVEMENT, ALL UNDERGROUND AND ABOVE GROUND STORM DRAINAGE, WATER PIPING, AND RELATED APPURTENANCES. ALL CHANGES TO PIPING LOCATIONS INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES AND APPURTENANCES SHALL BE CLEARLY SHOWN AND REFERENCED TO PERMANENT SURFACE IMPROVEMENTS. DRAWINGS SHALL ALSO SHOW ACTUAL INSTALLED PIPE MATERIALS, CLASS, SIZE, ETC.
C. DRAWINGS SHALL CLEARLY SHOW ALL FIELD CHANGES OF DIMENSION AND DETAIL, INCLUDING CHANGES MADE BY FIELD ORDER OR BY CHANGE ORDER.
D. DRAWINGS SHALL CLEARLY SHOW ALL DETAILS NOT ON ORIGINAL CONTRACT DRAWINGS, BUT CONSTRUCTED IN THE FIELD. ALL EQUIPMENT AND PIPING RELOCATION SHALL BE CLEARLY SHOWN.
E. LOCATION OF ALL INLETS, MANHOLES, HYDRANTS, VALVES, AND VALVE BOXES SHALL BE SHOWN. ALL VALVES SHALL BE REFERENCED FROM AT LEAST TWO AND PREFERABLY THREE PERMANENT POINTS.
F. DIMENSIONS BETWEEN ALL INLETS AND MANHOLES SHALL BE FIELD VERIFIED AND SHOWN. THE INVERTS AND GRADE ELEVATIONS OF ALL INLETS AND MANHOLES SHALL BE SHOWN.
G. SHOW THE DESIGN ELEVATION/INVERT ON THE AS-BUILT WITH THE AS-BUILT ELEVATION ADDED ABOVE.

LEGEND

- DESCRIPTION EXISTING NEW
BUILDING
STORM DRAIN
STORM UNDERDRAIN
POWER / COMMUNICATIONS VAULT
CONTOUR
SPOT ELEVATION
FENCE
SILT FENCE
DEMOLITION
STOCK PILE
CONCRETE (SITE)
CONCRETE (STRUCTURAL)
AGGREGATE SURFACE
RIP RAP
WATER LINE
ELECTRICAL LINE
COMMUNICATIONS LINE
FIRE HYDRANT
YARD HYDRANT
GATE & VALVE BOX
LIGHT POLE
IMPERMEABLE LINER
SWALE CENTERLINE
AREA DRAIN
DRAINAGE FLOW

ABBREVIATIONS

Table with 4 columns: Abbreviation, Full Name, Abbreviation, Full Name. Includes entries like AAC ALASKA AEROSPACE CORPORATION, ADJ ADDITIVE, ADDENDUM, AFUB ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, etc.



www.brph.com Copyright © 2026

Architects Engineers, Inc. 19020 33rd Ave W | Suite 500 Lynnwood | Washington | 98036 425-255-1095

Offices in Melbourne, Orlando, Atlanta, Boca Raton, Lynnwood, and Charleston

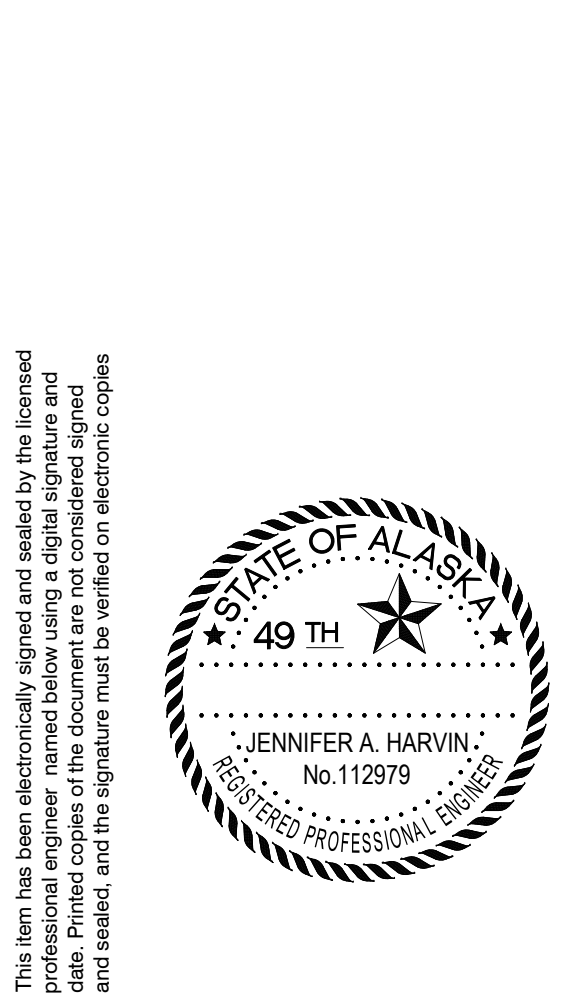
Alaska Business Entity Number: 56725F

These plans are protected by Federal Copyright protection. Unauthorized use may result in an infringement action.

ISSUE FOR CONSTRUCTION DOCUMENT HISTORY table with columns: REV, DATE, DESCRIPTION

Table with 4 columns: Abbreviation, Full Name, Abbreviation, Full Name. Includes entries like D CENTRAL ANGLE, CL CENTERLINE, CLF CHAIN LINK FENCE, etc.

AREA 3 PAD D
PACIFIC SPACEPORT COMPLEX, KODIAK ISLAND, ALASKA
ALASKA AEROSPACE CORPORATION



ARCHITECT OF RECORD: JENNIFER A. HARVIN AK PE 112979
DESIGNED BY: A. LUNA
DRAWN BY: P. BRIONES
PROJECT NUMBER: C09729.001.01
DATE: 05/08/2026
TITLE: CIVIL GENERAL NOTES, LEGEND & ABBREVIATIONS

C-001

5/8/2026 10:03 AM; C:\PAD3D\102026\05\18\REV\001\001.DWG; 5/8/2026 10:12 PM



















