SNOHOMISH COUNTY AIRPORT
PAINE FIELD  EVERETT, WASHINGTON

PAINE FIELD PASSENGER TERMINAL

LAND DISTURBANCE PERMIT APPLICATION - RESUBMITAL

NOVEMBER 29, 2016

PROJECT CONTACTS
OWNER/APPLICANT, AND
POINT OF CONTACT:
PROPELLER AIRPORTS
885 THIRD AVENUE
20TH FLOOR
NEW YORK, NY 10022
(212) 209-3037

CONTACT:
MARK REICHIN
mark@propellerairports.com

ENGINEER:
AECOM
1111 3RD AVENUE, SUITE 1600
SEATTLE, WA 98101
TEL: (206) 438-2700
FAX: (206) 438-2699

CONTACT:
PHIL NEWTON
phil.newton@aecom.com

PROPERTY TAX ACCOUNT NUMBER
28041500400100

LEGAL DESCRIPTION
PAINE FIELD AIRPORT - SECTOR 2
PART OF SECTION 22, T28N, R04E
WILLAMETTE MERIDIAN

SITE ADDRESS
3220 100TH STREET S.W.
EVERETT, WA 98204-1390
GENERAL

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE SPECIFICATIONS, AS HEREIN SHOWN AND DESCRIBED. NO CHANGES TO THE CONTRACT DOCUMENTS OR SPECIFICATIONS CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT OR AUTHORIZED BY THE PROJECT MANAGER OR ENGINEER WILL BE ALLOWED.

2. CONTRACT DOCUMENTS MAY BE INSPECTED OR PURCHASED FROM THE PROJECT MANAGER/ENGINEER.

3. CONTRACTOR WILL OCULC WITHIN THE AERONAUTICAL AREA (WAAS) NAVIGATION SYSTEM MANUFACTURERS SPECIFICATIONS FOR THE AIRPORT OWNERS CERTIFICATION OF THE AIRPORT.

4. ALL MATERIALS, EQUIPMENT, AND PERSONNEL ENTERED ON THE AIRPORT PROPERTY FOR THE PURPOSE OF EXECUTING THIS CONTRACT MUST COMPLETE THE SECURITY ORIENTATION AND SIGN THE AIRPORT SECURITY AGREEMENT ON FILE AT THE END OF CONSTRUCTION, THE AREA SHALL BE IN A CONDITION SUITABLE FOR AIRPORT OPERATIONS.

COORDINATION AND OPERATIONS

1. CONTRACTOR WILL WORK WITH AIRPORT SECURITY AND COMMUNITY RELATIONS TO DISCUSS WORK AREAS, SCHEDULING, SAFETY, ETC. WITH THE AIRPORT SECURITY AND COMMUNITY RELATIONS OFFICIALS.

2. CONTRACTOR WILL PROVIDE A MINIMUM OF TWO (2) PERSONNEL TO MANAGE ACCESS TO THE AIRPORT PROPERTY AND TO ENSURE THAT THE WORK ON THE AIRPORT IS PERFORMED IN ACCORDANCE WITH THIS CONTRACT.

3. CONTRACTOR WILL ASSURE THAT ALLOTTED WORK TIME IS USED EFFICIENTLY AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE AIRPORT OPERATIONS.

4. CONTRACTOR WILL MEET WITH AIRPORT OPERATIONS AND SECURITY TO DISCUSS SAFETY AND OPERATIONAL CONSIDERATIONS PRIOR TO THE COMMENCEMENT OF THE CONTRACT.

5. CONTRACTOR WILL PROVIDE A MINIMUM OF TWO (2) REPRESENTATIVES TO ATTEND THE PRECONSTRUCTION MEETING TO DISCUSS THE PROJECT'S REQUIREMENTS.

6. CONTRACTOR WILL BE RESPONSIBLE FOR PROPER NOTIFICATION TO THE AIRPORT OWNERS/CERTIFICATION OF THE AIRPORT AND THE CONTRACTOR SHALL MAINTAIN A PROJECT MANAGER/ENGINEER RESPONSIBLE FOR OVERSEEING THE CONTRACTOR'S WORK.

MATERIALS AND EQUIPMENT

1. ALL MATERIALS AND EQUIPMENT ON OR BEING PLACED IN THE AIRPORT PROPERTY SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE SPECIFICATIONS, AS HEREIN SHOWN AND DESCRIBED.

2. CONTRACTOR WILL ENSURE THAT ALL CONSTRUCTION ACTIVITIES ARE CONDUCTED IN A MANNER THAT WILL NOT HARM THE AIR OPERATIONS OR THE PERIMETER ROAD.

3. CONTRACTOR WILL PROVIDE A MANAGER OF SCHEDULED AND UNPLANNED MAINTENANCE AND THE PERSONNEL TO PROVIDE SCHEDULED AND UNPLANNED MAINTENANCE TO AIR OPERATIONS AND THE PERIMETER ROAD.

4. CONTRACTOR WILL PROVIDE A MINIMUM OF TWO (2) REPRESENTATIVES TO ATTEND THE PRECONSTRUCTION MEETING TO DISCUSS THE PROJECT'S REQUIREMENTS.

CONSTRUCTION LAYOUT

1. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION LAYOUT. EXISTING AND PROPOSED MATERIALS AND EQUIPMENT MUST BE ACCURATELY LOCATED AND MARKED PER THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE SPECIFICATIONS, AS HEREIN SHOWN AND DESCRIBED.

2. CONTRACTOR WILL MANAGE THE CONSTRUCTION LAYOUT TO ENSURE THAT THE WORK ON THE AIRPORT IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AIRPORT OPERATIONS.

3. CONTRACTOR WILL ENSURE THAT ALL CONSTRUCTION ACTIVITIES ARE CONDUCTED IN A MANNER THAT WILL NOT HARM THE AIR OPERATIONS OR THE PERIMETER ROAD.

EXISTING UTILITIES & NAVIGATIONAL FACILITIES

1. CONTRACTOR IS RESPONSIBLE FOR THE PROPER IDENTIFICATION OF EXISTING UTILITIES AND NAVIGATIONAL FACILITIES ON THE AIRPORT PROPERTY.

2. CONTRACTOR WILL ENSURE THAT THE WORK ON THE AIRPORT IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AIRPORT OPERATIONS.

3. CONTRACTOR WILL PROVIDE A MANAGER OF SCHEDULED AND UNPLANNED MAINTENANCE AND THE PERSONNEL TO PROVIDE SCHEDULED AND UNPLANNED MAINTENANCE TO AIR OPERATIONS AND THE PERIMETER ROAD.

CONTRACTOR ACCESS & STORAGE AREAS

1. CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION OF EXISTING UTILITIES AND NAVIGATIONAL FACILITIES ON THE AIRPORT PROPERTY.

2. CONTRACTOR WILL ENSURE THAT THE WORK ON THE AIRPORT IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AIRPORT OPERATIONS.

3. CONTRACTOR WILL PROVIDE A MANAGER OF SCHEDULED AND UNPLANNED MAINTENANCE AND THE PERSONNEL TO PROVIDE SCHEDULED AND UNPLANNED MAINTENANCE TO AIR OPERATIONS AND THE PERIMETER ROAD.

4. CONTRACTOR WILL MAINTAIN A 1000 SQUARE FOOT WORK AREA FOR THE STORAGE OF MATERIALS AND EQUIPMENT ON THE AIRPORT PROPERTY.

5. CONTRACTOR WILL PROVIDE A MANAGER OF SCHEDULED AND UNPLANNED MAINTENANCE AND THE PERSONNEL TO PROVIDE SCHEDULED AND UNPLANNED MAINTENANCE TO AIR OPERATIONS AND THE PERIMETER ROAD.

UTILITY HONESTY

1. CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION OF EXISTING UTILITIES AND NAVIGATIONAL FACILITIES ON THE AIRPORT PROPERTY.

2. CONTRACTOR WILL ENSURE THAT THE WORK ON THE AIRPORT IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AIRPORT OPERATIONS.

3. CONTRACTOR WILL PROVIDE A MANAGER OF SCHEDULED AND UNPLANNED MAINTENANCE AND THE PERSONNEL TO PROVIDE SCHEDULED AND UNPLANNED MAINTENANCE TO AIR OPERATIONS AND THE PERIMETER ROAD.

UTILITY LINES

1. CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION OF EXISTING UTILITIES AND NAVIGATIONAL FACILITIES ON THE AIRPORT PROPERTY.

2. CONTRACTOR WILL ENSURE THAT THE WORK ON THE AIRPORT IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AIRPORT OPERATIONS.

3. CONTRACTOR WILL PROVIDE A MANAGER OF SCHEDULED AND UNPLANNED MAINTENANCE AND THE PERSONNEL TO PROVIDE SCHEDULED AND UNPLANNED MAINTENANCE TO AIR OPERATIONS AND THE PERIMETER ROAD.
LEASE AREA A4
0.53 ACRES

TEMPORARY AOA FENCE, TYP. SEE SHEET G4.1

USE EXISTING SWING GATE.

100TH ST SW TO AIRPORT ROAD

100TH ST SW

LEASE LINE, TYP

CONTRACTOR SHALL ENSURE 100TH ST SW IS KEPT CLEAN BETWEEN THE CONTRACTOR'S WORK AREAS AND THE AOA GATE. CONTRACTOR SHALL NOT ALLOW POTENTIAL FOD TO REMAIN ON THE ROADWAY WHERE IT CAN BE CARRIED ONTO THE AOA BY VEHICLES. REFER TO NOTE 6A, THIS SHEET.

EXISTING AOA GATE TO REMAIN IN SERVICE UNTIL NEW AOA GATE IS INSTALLED AND COMMISSIONED.

1. GATE GUARDS WILL BE NEEDED DURING FREQUENT USE OF ANY AOA GATE. GATES MUST BE CLOSED AND LOCKED AT ALL TIMES UNLESS A GATE GUARD IS PRESENT.

2. FOR GENERAL NOTES RELATED TO OPERATING ON THE AIRPORT REFER TO G2.0. THE CONTRACTOR SHALL REFER TO ALL CONTRACT DOCUMENTS FOR FURTHER CONSTRUCTION REQUIREMENTS.

3. THE CONTRACTOR WILL BE ALLOWED ENTRY TO THE AIRFIELD ONLY THROUGH DESIGNATED ACCESS LOCATIONS AND HAUL ROUTES. CONTRACTOR MUST PROVIDE PERSONNEL TO CONTINUOUSLY MONITOR ANY AOA GATE IN USE. ONLY PERSONNEL AND EQUIPMENT ESSENTIAL TO THE CONTRACTOR'S WORK AREAS WILL BE ALLOWED ENTRY TO THE AOA. CONTRACTOR SHALL NOT ALLOW POTENTIAL FOD TO REMAIN ON THE ROADWAY WHERE IT CAN BE CARRIED ONTO THE AOA BY VEHICLES. REFER TO NOTE 6A, THIS SHEET.

4. THE ROUTING OF TRAFFIC AND STORAGE OF MATERIELS AND EQUIPMENT WILL BE LIMITED TO THE CONTRACTOR'S WORK AREAS ONLY. THE CONTRACTOR SHALL PROVIDE CITY OF SEATTLE, AIRPORT SERVICES WITH A DEEP RUT WHICH CANNOT BE REPAIRED TO THE PREVIOUS GRADE. REFER TO LOADING/UNLOADING AREAS FOR MORE INFORMATION.

5. THE ROUTING OF TRAFFIC AND STORAGE OF MATERIELS AND EQUIPMENT WILL BE AS SHOWN ON THE CONSTRUCTION PHASING PLANS. THE CONTRACTOR SHALL REFRAIN FROM USING ANY OF THE AIRFIELD GRASS AREAS FOR PARKING, TURNAROUND OF EQUIPMENT, OR ANY OTHER PURPOSE WHATSOEVER EXCEPT AS CONSTRUCTION DICTATES. ANY RUTS OR DEPRESSIONS CAUSED BY THE CONTRACTOR SHALL IMMEDIATELY BE SMOOTHED AND LEVELLED IN A MANNER ACCEPTABLE TO THE AIRPORT. CONSTRUCTION RELATED TO THE AIRPORT WILL BE SCHEDULED TO MINIMIZE IMPACT TO THE PREVIOUS GRADE. REFER TO LOADING/UNLOADING AREAS FOR MORE INFORMATION.

6. TOWER COMMUNICATIONS: CONTRACTOR MAY NOT CONTACT THE TOWER UNLESS THROUGH THE ENGINEER OR AIRPORT OPERATIONS.

7. FOREIGN OBJECT DEBRIS (FOD) PREVENTION:
   A. CONTINUOUS BROOMING, VACUUMING, OR FLUSHING WILL BE REQUIRED IMMEDIATELY ADJACENT TO AREAS WHERE AIRCRAFT OR SERVICE VEHICLE OPERATIONS OCCUR.
   B. ALL AIRCRAFT MOVEMENT AREAS SHALL BE INSPECTED BY AIRPORT OPERATIONS BEFORE RETURNING TO SERVICE. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE PAVEMENT AREAS IN FOD FREE STATUS, TO THE SATISFACTION OF THE ENGINEER AND AIRPORT OPERATIONS.

8. TRAFFIC CONTROL:
   A. THE CONTRACTOR SHALL MAINTAIN ACCESS ROUTE AND Haul ROUTE AND USE PHOTOGRAPHS NECESSARY TO AVOID FOD AND DUST MIGRATION INTO THE AIRCRAFT OPERATIONS AREA.
   B. CONTRACTOR TO CLOSE OFF PRIMARY STAGING AREA WITH TEMPORARY PERMANENT FENCING.
   C. CONTRACTOR TO PROVIDE UTILITY (WATER, POWER AND COMM) CONNECTIONS TO TRAILERS, EQUIPMENT, ETC.
Fence shall overlap to prevent gaps. Each section shall be tied to adjacent section.

3 strands of 2 strand wire with 4 point barbs. 2 1/4" x 2" extension and 4" offset. (Typ)

Bracing shall be tied to adjacent section.

1/4" red lamp (DC or battery powered) DC or C.C. and at all corner points.

Temporary AOA Fence Detail

Fence Installation Notes
1. All bracing and tie rods shall be placed on secure side of fence.
2. Barbed arms shall face away from secure area.
3. Provide battery powered red obstruction lights at top of fence at 100' intervals. Lights shall be on and visible at all times of darkness.

To prevent gaps, each section shall be tied to adjacent section.

3 1/8"Ø top and bottom brace (Typ)
2 3/4"Ø line post (Typ)
3 strands of 2 strand line wire with 4 point barbs, 6" spacing. 2-14", 45° extension arm sets required (Typ)

Combination of lower and diagonal braces at every corner and 100 ft length.

11" Orange flags
360° red lamp (Solar or battery powered) (1 per barricade min.)

Orange base 6"X72" orange and white reflective striping (long side)

Notes:
1. Barricades must be filled with water ballast to prevent movement from jet or prop blast.
2. All barricades must be checked and maintained each contract day.
3. Barricades to be placed with no gaps unless otherwise noted.
4. Provide 12' opening for AARF trucks and construction traffic if no hazard.
5. Contractor to furnish barricades to airport after construction.
1. This sheet shows the general site layout and surface features. Refer to other plan sheets for information not shown here.

**GENERAL NOTES**

- All notes, dimensions, and surface features shown on this plan are subject to change.
- Refer to other plan sheets for information not shown here.
- This plan is for guidance purposes only and is subject to changes based on further analysis.

**REFERENCES**

- Refer to architectural plans for AOA fence adjacent to terminal.

**CHECKS AND APPROVALS**

- Checked: [Signature]
- Approved: [Signature]
- Designed: [Signature]
- Drawn: [Signature]
- Revsion No.: 1
- Revsion Date: 11/29/16
- Sheet Title: Land Disturbance Permit Application - Resubmittal
- Scale: AS SHOWN
- Project Title: Snohomish County Airport
- Sheet No.: 16-102044 LDA
- FAA AIP No.: G5.0
- PGN: 1
- GF: 1
- BO: 1
- AC: 1
- JS: 1
- CT: 1
- NOVEMBER 29, 2016
- PGN: 1
- GF: 1
- BO: 1
- AC: 1
- JS: 1
- CT: 1

**PROJECT TITLE**

- Snohomish County Airport
- Paine Field
- Everett, WA

**SHEET TITLE**

- Land Disturbance Permit Application - Resubmittal

**OVERALL PROPOSED PLAN**

- AS SHOWN
- NOVEMBER 29, 2018

**ADDRESS**

- 1111 Third Avenue, Floor 16
- Seattle, Washington 98101
- TEL: (206) 438-2700
- FAX: (206) 438-2699

**APPROVED FOR CONSTRUCTION**

- BY: Randolph R. Sleight, P.E., P.L.S.
NOTES:
1. EXISTING ACCESSIBLE, DEDICATED PEDESTRIAN ROUTES BETWEEN THE INTERSECTION OF AIRPORT ROAD AND 100TH STREET SW AND THE PROPOSED TERMINAL SHALL BE MAINTAINED DURING AND AFTER CONSTRUCTION.

TRANSPORTATION DEMAND MANAGEMENT DESCRIPTION:

EXISTING ACCESSIBLE, DEDICATED PEDESTRIAN ROUTES BETWEEN THE INTERSECTION OF AIRPORT ROAD AND 100TH STREET SW AND THE PROPOSED TERMINAL SHALL BE MAINTAINED DURING AND AFTER CONSTRUCTION.
EROSION AND SEDIMENT CONTROL PLAN

1. The implementation of these E&SC plans and the construction, maintenance, replacement, and updating of E&SC facilities are the responsibility of the Contractor unless otherwise noted. These E&SC facilities shall be constructed prior to or in conjunction with all clearing and grading so as to ensure that the surface is protected at the time of excavation. E&SC systems may account for properties of the soil.

2. The Contractor shall ensure that all plans are reviewed by the appropriate authorities for E&SC requirements for anticipated site conditions. During the construction period, the Contractor shall ensure that E&SC facilities are properly maintained and that temporary structures are properly set up and removed as required.

3. The Contractor shall provide a check list to be reviewed by the project consultant as part of the assurance program to ensure that the E&SC facilities are properly constructed and maintained. This check list shall include a review of the E&SC plans.

4. All E&SC facilities shall be inspected daily for site conditions. E&SC facilities shall be maintained on site at the Contractor's expense.

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25. All E&SC facilities shall be inspected daily for site conditions. E&SC facilities shall be maintained on site at the Contractor's expense.
EXISTING SIDEWALK TO REMAIN

CONTRACTOR WORK LIMITS TYP, CROSSWALK TYP, STALL LINES WHERE SHOWN

PLUG EXISTING TRENCH DRAIN AT LIMIT OF PAVING OVERLAY. FILL TRENCH DRAIN WITH PCC TO THE NORTH OF PLUG.

DEMOLISH STEEL FRAME SHED. FOUNDATION TO REMAIN.

ASPHALT DEMOLITION AND EXCAVATION FOR STRUCTURE. REFER TO ARCHITECTURAL.

REMOVE EXISTING CHAIN LINK GATE AND OPERATOR. RETURN TO PAE.

CONTRACTOR TO TAKE OWNERSHIP OF AND MAINTAIN APPROXIMATELY 475LF OF CHAIN LINK FENCE FOR USE AS CONSTRUCTION BARRIER. FENCE TO BE REMOVED AFTER CONSTRUCTION OF NEW AOA FENCES.

REMOVE EXISTING TREE (6"-12" CALIPER) AIRCRAFT PARKING POSITION GROUNDING POINTS. ABANDON IN PLACE OR REMOVE AS NECESSARY FOR CONSTRUCTION.

LOCATE, CUT, AND CAP EXISTING IRRIGATION. PRESSURE TEST IRRIGATION SYSTEM AFTER DEMOLITION TO DETECT ANY LEAKS. PRESERVE AND PROTECT ALL EXISTING UTILITY STRUCTURES/FEATURES. OBELITERATE ALL EXISTING MARKING IN THIS AREA. SAWCUT FULL DEPTH AROUND ALL ISLANDS AT LEAST 12" AWAY FROM ISLAND, PRIOR TO DEMOLITION.

PRESERVE AND PROTECT EXISTING UNDERGROUND TELEPHONE DUCTS, CABLING, AND ANY ASSOCIATED SURFACE FEATURES.

DEMOLISH CURB, LANDSCAPING, IRRIGATION IN THIS AREA, LOCATE, CUT, AND CAP EXISTING DRAINAGE SYSTEM AFTER DEMOLITION TO DETECT ANY LEAKS. PRESERVE AND PROTECT ALL EXISTING UTILITY STRUCTURES/FEATURES. OBELITERATE ALL EXISTING MARKING IN THIS AREA. SAWCUT FULL DEPTH AROUND ALL ISLANDS AT LEAST 12" AWAY FROM ISLAND, PRIOR TO DEMOLITION.

PRESERVE AND PROTECT EXISTING UNDERGROUND POWER, COMMUNICATIONS, AND GAS LINE.

RELOCATE EXISTING WATER LINE.

DEMOLISH EXISTING STREET LIGHT. RETURN TO AIRPORT.

RELOCATE PIER/WORKSHOP AND VALVE

RELOCATE TRENCH DRAIN. SEE STORM WATER PLAN FOR TIE-IN.

SULF 6" SD TO REMAIN BETWEEN CB 11148 AND CB 7865.

50LF 8" SD TO REMAIN.

DEMOLISH UTILITIES. CAP AS NECESSARY.

DEMOLISH ALL SURFACE FEATURES. LANDSCAPE, CURBS, SIGNS, IRRIGATION, CURB, AND CAP EXISTING DRAINAGE SYSTEM AFTER DEMOLITION TO DETECT ANY LEAKS. PRESERVE AND PROTECT ALL EXISTING UTILITY STRUCTURES/FEATURES. OBELITERATE ALL EXISTING MARKING IN THIS AREA. SAWCUT FULL DEPTH AROUND ALL ISLANDS AT LEAST 12" AWAY FROM ISLAND, PRIOR TO DEMOLITION.

PRESERVE AND PROTECT EXISTING UNDERGROUND TELEPHONE DUCTS, CABLING, AND ANY ASSOCIATED SURFACE FEATURES.

DEMOLISH COURSES, LANDSCAPING, IRRIGATION IN THIS AREA, LOCATE, CUT, AND CAP EXISTING DRAINAGE SYSTEM AFTER DEMOLITION TO DETECT ANY LEAKS. PRESERVE AND PROTECT ALL EXISTING UTILITY STRUCTURES/FEATURES. OBELITERATE ALL EXISTING MARKING IN THIS AREA. SAWCUT FULL DEPTH AROUND ALL ISLANDS AT LEAST 12" AWAY FROM ISLAND, PRIOR TO DEMOLITION.

PRESERVE AND PROTECT EXISTING UNDERGROUND ELECTRICAL, COMMUNICATIONS, AND Gas LINE.

RELOCATE FIRE HYDRANT AND VALVE.

RELOCATE EXISTING WATER LINE.

CONTRACTOR SHALL MAINTAIN ACCESS THROUGH 100TH ST SW AT ALL TIMES.

REMIND EXISTING CONDUIT DUCT BANK.

RELOCATE EXISTING TREE 4" - 12" CALIBERS.

OBLITERATE EXISTING MARKING.

OBLITERATE EXISTING PAVEMENT MARKING.

REPLACE CURB AND STOP SIGN.

PRESERVE ELECTRICAL, VAULT.

REMOVE STORM LINE AND STRUCTURES.

REMOVE EXISTING DUCT BANK, PREFERRED TO ELECTRICAL.

CAP STORM DRAIN. ABANDON REMAINDER IN PLACE.
TYPICAL PAVEMENT SECTIONS

SNOHOMISH COUNTY EDDS MANUAL

PAINE FIELD PASSENGER TERMINAL

5.5" 12.0" 18.0" 1.0" 6.0" 1.0"

SEE NOTE 1

DETAIL NOTES:
1. PROVIDE 3/8 IN. EXPANSION JOINTS ALONG CURB AT PC's, PT's AND AT MAXIMUM 10' O.C.

LANDSCAPING

AREA

5.5" 12.0" 18.0" 1.0" 6.0" 1.0"
### STRUCTURE TABLE

<table>
<thead>
<tr>
<th>STRUCTURE NAME</th>
<th>STRUCTURE TYPE</th>
<th>STRUCTURE DETAILS</th>
<th>LOCATION</th>
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<tr>
<td>CB-1</td>
<td>CYLINDRICAL STRUCTURE</td>
<td>SLAB TOP CIRCULAR FRAME</td>
<td>(X, Y) = (599.01', 599.01')</td>
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<tr>
<td>CB-2</td>
<td>CYLINDRICAL STRUCTURE</td>
<td>SLAB TOP CIRCULAR FRAME</td>
<td>(X, Y) = (592.37', 592.82')</td>
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<td>CB-3</td>
<td>CYLINDRICAL STRUCTURE</td>
<td>SLAB TOP CIRCULAR FRAME</td>
<td>(X, Y) = (592.06', 592.06')</td>
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<td>CB-4</td>
<td>CYLINDRICAL STRUCTURE</td>
<td>SLAB TOP CIRCULAR FRAME</td>
<td>(X, Y) = (592.41', 592.41')</td>
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### PIPE TABLE

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<td>T D C - 2</td>
<td>3.00'</td>
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<td>T D C - 3</td>
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### HEIGHT AND RIM

- **Height, H**: 11.14'
- **Rim, R**: 599.01'
1. All reinforcing bar laps shall be made cold. 
2. All lap splices shall be designed in accordance with ACI 412-08 "Detailing Manual." 
3. All reinforcing bars shall be installed in conformance with "Recommended Practices for Placing Reinforcing Bars in Concrete" as required and made or reconditioned as needed to meet the requirements of the ACI Lap Splice Design Manual. 
4. All reinforcing bars shall be made cold. 
5. All reinforcing bars shall be installed in accordance with ACI 412-08 "Detailing Manual." 
6. All lap splices shall be made cold. 
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DIRECTIVE FOR SOIL werde. C6.6

AS SHOWN

ALL FIELD CONSTRUCTIONS, SURFACES ON WHICH METAL DECKING OR STUDS ARE TO BE WELDED " OF THE TOE OF THE FIELD

WELDING AND INSPECTION SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY, COMMENONE

MATERIAL, ALL STUD ANCHORS SHALL BE AUTOMATICALLY END-WELDED IN SHOP OR FIELD WITH ANCHORS WHERE INDICATED ON THE DRAWINGS. USE GALVANIZED DRILLED-IN CONCRETE ANCHORS SHALL BE KWIK BOLT II EXPANSION ANCHORS OR HVA OR HIT

INSPECTION OF DRILLED CONCRETE ANCHORS, INCLUDING EXPANSION AND ADHESIVE GROUTED ANCHORS, WHERE SPECIFIED, SHALL INCLUDE VISUAL VERIFICATION OF DRILLED HOLES DEPTH, SPACING, EDGE DISTANCES AND HOLE CLEANING. FOR GROUTED ANCHORS, WHERE SPECIFIED, SHALL INCLUDE VISUAL VERIFICATION OF DRILLED HOLE DEPTH, SPACING, EDGE DISTANCES AND HOLE CLEANING. FOR GROUTED ANCHORS, WHERE SPECIFIED, SHALL INCLUDE VISUAL VERIFICATION OF DRILLED

CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE TO THE TECHNICAL REPRESENTATIVE.

ALL FIELD CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS. HIGH STRENGTH STEEL ENCASED IN CONCRETE SHALL NOT BE PAINTED.

THE "MANUAL OF STEEL CONSTRUCTION" OF AMERICAN INSTITUTE OF STEEL CONSTRUCTION, DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH IBC 2006 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY.

ALL STUD ANCHORS SHALL BE AUTOMATICALLY END-WELDED IN SHOP OR FIELD WITH ANCHORS WHERE INDICATED ON THE DRAWINGS. USE GALVANIZED DRILLED-IN CONCRETE ANCHORS SHALL BE KWIK BOLT II EXPANSION ANCHORS OR HVA OR HIT 15.

EPOXY ANCHORS MANUFACTURED BY HILTI OR ENGINEER-APPROVED EQUAL. USE GALVANIZED DRILLED-IN CONCRETE ANCHORS SHALL BE KWIK BOLT II EXPANSION ANCHORS OR HVA OR HIT 15.

THE FOLLOWING SURFACES SHALL NOT RECEIVE PRIMER OR PAINT:

CONCRETE PLACEMENT
PREPARATION OF TEST SPECIMENS
CONCRETE
SCALE OR OTHER FOREIGN MATERIAL.
EXISTING AND NEW STEEL SURFACES TO BE WELDED SHALL BE CLEANED OF PAINT, GREASE, OIL AND ALL OTHER DEBRIS. CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE TO THE TECHNICAL REPRESENTATIVE.

BEFORE STARTING FABRICATION, ALL COMPLETE PENETRATION WELDS SHALL BE TESTED ULTRASONICALLY OR AS OTHERWISE SPECIFIED. OR USING ANOTHER APPROVED METHOD.

ALL WELDS SHALL BE VISUALLY INSPECTED. INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE TECHNICAL REPRESENTATIVE FOR APPROVAL PRIOR TO SHIPMENT OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE TECHNICAL REPRESENTATIVE FOR APPROVAL.

STAIRS AND PLATFORMS SHALL BE SHOP ASSEMBLED BEFORE SHIPMENT AND INSPECTION WILL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SHOP OR FIELD WELDING AND SHOP OR FIELD BUILDING OF THE ITEMS SHOWN IN THE CONTRACT DOCUMENTATION. ALL FIELD CONSTRUCTIONS SHALL BE MADE UPON FREEDOM OF THE CONTRACTOR AND THE SALESMAN TO USE LAUNDRY BAGS AND OTHER SIGNIFICANT ITEMS TO BE IMPORTED BY THE CONTRACTOR.

INSPECTION GENERAL NOTES:

ALL WELDERS SHALL BE CURRENTLY QUALIFIED AND REGISTERED BY WASHINGTON WELDER CERTIFICATION PROCEDURES SHALL BE AS FOLLOWS: 8.1.

OWN PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WELDING OF ASTM A706 REINFORCING STEEL NOT GREATER THAN NO. 5 USED FOR EMBEDMENT, PROVIDE THE MATERIALS, SCALE OR OTHER FOREIGN MATERIAL.

THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND FACTORY SHOP COMMENTS WHERE REQUIRED THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF DAYS REQUIRED FOR PARTIAL DAYS REQUIRING SPECIAL INSPECTORS ON SITE FOR CONSTRUCTION AND ERECTION OF STRUCTURAL MEMBERS NOT PERMITTED UNLESS SPECIFICALLY NOTED ON DRAWINGS.

ALL SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT ALL TIMES DURING THE PERIOD OF WORK ON THE SPECIFICATIONS 6.1.

CONCRETE PLACEMENT
ANCHOR BOLTS AND INSERTS
PREPARATION OF TEST SPECIMENS
CONCRETE PLACEMENT
ADHESIVE ANCHOR PLACEMENT
EXPANSIVE ANCHOR PLACEMENT
MINERALS FILLER
STRUCTURAL STEEL
FABRICATION AND ERECTION
SHOP AND FIELD INCLUDES (SST 471)
SINGLE PASS FILLET WELDS > 5/16"
FILLET WELDS > 5/16"
PREBOLT CONSTRUCTION
SCLS
FOOTING INSTALLATION
BENDING STRENGTH PREPARATION

ITEM
CONCRETE
ANCHOR BOLTS AND INSERTS
PREPARATION OF TEST SPECIMENS
CONCRETE PLACEMENT
ADHESIVE ANCHOR PLACEMENT
EXPANSIVE ANCHOR PLACEMENT
MINERALS FILLER
STRUCTURAL STEEL
FABRICATION AND ERECTION
SHOP AND FIELD INCLUDES (SST 471)
SINGLE PASS FILLET WELDS > 5/16"
FILLET WELDS > 5/16"
PREBOLT CONSTRUCTION
SCLS
FOOTING INSTALLATION
BENDING STRENGTH PREPARATION

COMMENTS
X
X
X
X
X
X
X
X
X
X
X
X
X

COMMENTS
STORM WATER DETAILS

TRENCH DRAIN SECTION
SCALE: NONE

FIRE STOP SECTION - NOT USED
SCALE: NONE

DRAIN OUTLET SECTION
SCALE: NONE

TRENCH DRAIN SECTION
SCALE: NONE

PCG / BITUMINOUS PAVEMENT DETAIL
SCALE: SHEET

BEVELED EDGE DETAIL
SCALE: SHEET

NOTE:
JOINT SEALER FILLER FOR PCC/BITUMINOUS PAVEMENT JOINT
MUST BE AN ULTRA LOW MODULUS JOINT SEALANT THAT IS
SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR
USE IN BOTH HOMEOGROUS AND PORTLAND CEMENT
CONCRETE PAVEMENTS AND MEETS ALL REQUIREMENTS OF
ASTM D5893.

(±1/8")

1/4" (MAX.) BELOW PAVEMENT

1/4"

1/4" (MAX.) ABOVE PAVEMENT

CLOSED-CELL RESILIENT FOAM.

BITUMINOUS PAVEMENT
NEW PCC PAVEMENT

BEVELED EDGE DETAIL
SCALE: SHEET

PCC / BITUMINOUS PAVEMENT DETAIL
SCALE: SHEET

TRENCH FRAME AND GRATE.
NEENAH R-4990-CA OR
APPROVED EQUAL.

#4 X @ 2" O.C. ALT. HOOKS
TRENCH FRAME AND GRATE.
NEENAH R-4990-CA OR
APPROVED EQUAL.

(2) #5 CONT. @ 12" O.C. EA. FACE
(2) #5 CONT. EA. SIDE
OF TRENCH DRAIN
(2) #6 CONT. EACH SIDE
OF TRENCH DRAIN
AGGREGATE BASE
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NOTES:

1. REFER TO SHEET C6.5 FOR LOADING CRITERIA.

2. PROCESS FLOW RATE IS 500 GPM (MIN.).

3. AREA OF THE COALESCING PLATES SHALL BE 1000 SF MINIMUM.

4. VOLUME OF OWS SHALL BE 800 CF (MIN.) FOR PLATES WITH 1/2-INCH SPACING AND INCLINED 60 DEGREES.

5. OWS SHALL BE IN ACCORDANCE WITH SWMMWW 2012.

6. STRUCTURE TO BE SET IN ACTIVE AIRCRAFT BOARDING AREA AND SHALL BE SET FLUSH.

7. OIL WATER SEPARATOR DESIGN TO BE COMPLETE BY VENDOR IN ACCORDANCE WITH SPECIFICATIONS. DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED BY VENDOR.

8. BYPASS TO ENGAGE AT FLOWS GREATER THAN 500 GPM.
THE FOLLOWING REQUIREMENTS SHALL APPLY TO THE INSTALLATION OR REPLACEMENT OF ANY REQUIRED HYDRANT:

1. HYDRANTS SHALL BE INSTALLED, TESTED AND CHARGED PRIOR TO THE START OF CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE FIRE MARSHAL.


3. FIVE (5) INCH STORZ-TYPE STEAMER PORT FITTINGS SHALL BE PROVIDED ON NEW HYDRANTS.


5. HYDRANTS SHALL NOT BE OBSTRUCTED BY STRUCTURES, FENCES, THE PARKING OF VEHICLES, OR VEGETATION. HYDRANT VISIBILITY SHALL NOT BE IMPAIRED WITHIN A DISTANCE OF 75 FEET IN ANY DIRECTION OF VEHICULAR APPROACH.

6. THE TOP(S) OF THE HYDRANT(S) SHALL BE COLORED CODED TO DESIGNATE THE LEVEL OF SERVICE BEING PROVIDED BY THAT HYDRANT. FOR THIS APPLICATION IT HAS BEEN DETERMINED THAT THE TOP(S) OF THE HYDRANT(S) SHALL BE PAINTED BLUE. BODIES OF THE HYDRANT(S) SHALL BE PAINTED YELLOW.

7. FOR ALL NEW HYDRANT INSTALLATIONS, EITHER PUBLIC OR PRIVATE, THE DEVELOPER SHALL INSTALL BLUE STREET REFLECTORS TO INDICATE HYDRANT LOCATIONS. INSTALLATION OF BLUE STREET REFLECTORS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL OF ANY DEVELOPMENT OR NEW CONSTRUCTION AND SHALL BE LOCATED HYDRANT SIDE OF CENTER LINE ON THE DRIVING SURFACE. BLUE STREET REFLECTORS SHALL NOT BE REQUIRED NOR ALLOWED ON THE AIRSIDE OF THE TERMINAL.

8. VEHICLES SHALL NOT BE PARKED WITHIN 15 FEET OF A FIRE HYDRANT, FIRE DEPARTMENT CONNECTION, OR FIRE PROTECTION SYSTEM CONTROL VALVE.

9. COORDINATE ALL ELEMENTS OF FIRE PROTECTION SYSTEMS WITH MUKILTEO FIRE DEPARTMENT, PAINE FIELD FIRE DEPARTMENT, AND SNOHOMISH COUNTY FIRE DEPARTMENT.
**Structural Notes:**
1. Concrete: 28 Day Compressive Strength F'C = 7000 PSI
2. Rebar: ASTM A-615 Grade 60
3. Mesh: ASTM A-185 Grade 65
   4.1. ASTM C-890 "Minimum Structural Design Loading for Underground Precast Concrete Water and Wastewater Structures"
   4.2. ASTM C-1572 "Pre-Hours Evaluation of Precast Concrete Water and Wastewater Structures"

**Loads:**
HS-20 Truck with 30% Impact according to AASHTO

**General Notes:**
1. All baffles and weirs to be 3/16" steel plate
2. Static Water Depth = 1'-4"
3. Contractor to:
   3.1. Supply and install all piping & sampling tees
   3.2. Grout in all pipes
   3.3. Fill with clean water prior to "start-up" of the system
   3.4. Verify all blockout sizes and locations

**Inlet Pipe**
- Size: 3"
- Elevation: __________

**Outlet Pipe**
- Size: 3"
- Elevation: __________

**Oil/Water Separator Details**
- Top of Separator Elevation: 593.6''
- Inlet Pipe Size: 3"
- Inlet Pipe Elevation: __________
- Outlet Pipe Size: 3"
- Outlet Pipe Elevation: __________

**Influent Characteristics:**
- Oil Specific Gravity: 0.88
- Operating Temperature: 50°
- Influent Oil Concentration: 100 PPM
- Mean Oil Droplet Size: 130 Microns
- 0.033 FT/MIN Oil Rise Rate

**Designed Per Washington State Department of Ecology**

**Sewage Dump:**
- Scale: None
- Terminal Building
- Sewage Dump

**Alphabetical Index:**
A
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U
V
W
X
Y
Z

**Checkered:**
1
2

**Notation:**
Full 180° Open

**Scale:**
1" = 2'-0"
1. THIS SHEET SHOWS TRAFFIC MARKING AND SIGNAGE ONLY AND DOES NOT INCLUDE INFORMATIONAL SIGNAGE, SECURITY SIGNAGE, WAYFINDING, OR BRANDING.
EXISTING STOP SIGN TO REMAIN
EXISTING STOP SIGN TO BE RELOCATED
FIRE LANE NO PARKING
FIRE LANE NO PARKING

NEW TWO-LEAF ELECTRIC SWING GATE. MINIMUM WIDTH IS 24'-0".
PROVIDE OPTICOM DEVICE FOR EMERGENCY ACCESS.
COORDINATE TYPE WITH AHJ.

DRIVEWAY IS CLOSED OFF IN FINAL CONDITION.

CONSTRUCT 370LF OF AOA FENCE.
CONNECT TO EXISTING FENCE

CONSTRUCTION SITE OF AOA FENCE

FIRE ACCESS AND PASSENGER LOADING

CHECKED:
APPROVED:
DESIGNED:
DRAWN:

APPROVED FOR CONSTRUCTION
BY:
R/W PERMIT NO.
FAA AIP NO.: 16-102644 LDA
NOVEMBER 29, 2016

1111 Third Avenue, Floor 16
Seattle, Washington  98101
TEL: (206) 438-2700
FAX: (206) 438-2699

Paine Field
BREMERTON, WA

PAINE FIELD PASSENGER TERMINAL
LAND DISTURBANCE PERMIT APPLICATION - RESUBMITTAL
FENCE AND EMERGENCY ACCESS PLAN

SCALE: 1"=50'
PROJECT TITLE:
SHEET NO.: 11/29/16
C9.0
BOUNDARY OF PROPOSED PARKING AREA

RESEED AS NECESSARY

1" = 50'

CHECKED:  
APPROVED:  
DESIGNED:  
DRAWN:  

Snohomish County Planning & Development Services  
APPROVED FOR CONSTRUCTION  
BY: RANDOLPH R. SLEIGHT, P.E., P.L.S.  

1111 Third Avenue, Floor 16  
Seattle, Washington  98101  
TEL: (206) 438-2700  
FAX: (206) 438-2699  

Airport Services  
16-102644 LDA  

LAND DISTURBANCE PERMIT APPLICATION - RESUBMITAL

Paine Field - Everett, WA

NOTES:

· TOTAL NEW PARKING LOT AREA = 3.36 ACRES
· TOTAL LANDSCAPED AREA IN PARKING LOT AREA = 0.57 ACRES
· LANDSCAPE AREA WITHIN PARKING LOT AREA IS 16.9%

TOTAL NEW PARKING LOT AREA = 3.36 ACRES
TOTAL LANDSCAPED AREA IN PARKING LOT AREA = 0.57 ACRES
LANDSCAPE AREA WITHIN PARKING LOT AREA IS 16.9%

LANDSCAPING PLAN

C10.0