

ADDENDUM NO. 1

TO THE CONTRACT DOCUMENTS FOR BULK AIRCRAFT STORAGE HANGAR KEYSTONE HEIGHTS AIRPORT

August 23, 2019
FAA No. N/A, FDOT FM No. 434911-1-94-17
AECOM PROJECT NO.: 60589661

TO: ALL HOLDERS OF CONTRACT DOCUMENTS

1. Your attention is directed to the following interpretations of, changes in, and/or additions to the contract documents for the above named project.
2. This addendum shall be attached to the Contract Documents and shall form a part thereof.
3. Bidders are required to acknowledge receipt of this Addendum in the space provided on page P-3 of the Proposal Form.
4. The following changes shall be made:

PROJECT SPECIFICATIONS

1. Replace the entire Bid Schedule.
2. Replace the entire P-151 Clearing and Grubbing technical specification.

PROJECT DRAWINGS

3. Reissue Sheet Number G1.02 and C1.01.

CONTRACTOR QUESTIONS/CLARIFICATIONS

Note: Since this is a design/build procurement for the building, the Contractor is responsible for the framing and attachment of the windows, doors, insulation, etc. to the building that is being provided.

1. Contractor questions:
 - Q1.** Drawing C6.04: Under "Metal Building Insulation Requirements" Note #1 states "1. Roof, walls, and main hangar door shall be insulated with 2" minimum vinyl backed reinforced insulation". Please provide R-values for the roof and walls.
 - A1.** 2 inch vinyl backed insulation shall have an R-value of seven (7) or greater.
 - Q2.** Drawing C6.01 shows windows. Please advise on glazing and window framing. Storefront? Insulated Glazing? Please provide a Spec.
 - A2.** Windows for the Bulk Storage Hangar shall be similar or equal to, WinDoor 9400 Single Hung – 56" high by 48" wide, Florida Product Approval #17820.3, Finish -Kynar 500 (Hatteras White), Glass – Clear.

ADDENDUM NO. 1

TO THE CONTRACT DOCUMENTS FOR BULK AIRCRAFT STORAGE HANGAR KEYSTONE HEIGHTS AIRPORT

August 23, 2019
FAA No. N/A, FDOT FM No. 434911-1-94-17
AECOM PROJECT NO.: 60589661

Q3. "I have taken off the 6" ADS and only come up with 370 lf and the bid schedule shows 970 lf."

A3. 370 LF of 6" ADS pipe is correct. The Bid forms have been corrected.

2. Keystone Heights Airport will have a tree harvesting company in the vicinity of the Hangar site in the next few weeks. The tree removal work in this project will be taken care of by the harvesting crew. Grubbing of stumps that conflict with project construction will have to be done in this project.

ATTACHMENTS

Bid Schedule Excel file
Bid Schedule
P-151 Clearing and Grubbing
Sheet G1-02
Sheet C1-01



William R. Prange, PE
AECOM

BID SCHEDULE

BIDDER: _____ DATE: _____

AIRPORT NAME: KEYSTONE HEIGHTS AIRPORT FDOT No.: 434911-1-94-17

PROJECT DESCRIPTION: BULK AIRCRAFT STORAGE HANGAR FAA AIP No: N/A

BID NO.	ITEM NO.	ITEM DESCRIPTION	UNITS	BID QUANTITY	UNIT PRICE (NUMBERS)	TOTAL PRICE
BASE BID: SITE DEVELOPMENT						
1	C-105	MOBILIZATION	LS	1		
2	P-151-4.2	CLEARING AND GRUBBING	AC	1		
3	P-152-4.2	UNCLASSIFIED EXCAVATION	CY	1,800		
4	P-156-5.1	TEMPORARY SILT FENCE, TYPE III	LF	760		
5	P-156-5.2	TEMPORARY INLET PROTECTION	EA	1		
6	P-211-5.1	LIMEROCK BASE COURSE (6" THICK)	SY	2,400		
7	P-610-6.1	CONCRETE FOR SIDEWALK AND LANDING	SY	30		
8	P-620-5.1	TAXIWAY PAINTING- YELLOW REFLECTIVE (2 COATS REQUIRED)	SF	70		
9	P-620-5.2	6" BLACK OUTLINE, NON REFLECTIVE (2 COATS REQUIRED)	SF	130		
10	D-701-5.1	6" ADS, TYPE "S", N-12 PIPE W/ CLASS "B" BEDDING, OR APPROVED EQUAL	LF	370		
11	D-701-5.2	18" RCP (CLASS III) W/ CLASS "B" BEDDING	LF	90		
12	D-701-5.3	14"x23" ELLIPTICAL RCP (CLASS III) W/ CLASS "B" BEDDING	LF	40		

13	D-751-5.1	INLET, TYPE D	EA	1		
14	D-751-5.2	INLET, TYPE D, POND CONTROL STRUCTURE	EA	1		
15	D-752-5.1	6" ADS MITERED END SECTION	EA	1		
16	D-752-5.2	14"x23" ELLIPTICAL MITERED END SECTION	EA	1		
17	D-752-5.3	18" MITERED END SECTION	EA	1		
18	T-901-5.1	SEEDING AND MULCHING	SY	19,100		
19	T-904-5.1	SODDING	SY	10,600		
20	160-4-1	STABILIZATION	SY	3,500		
21	334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TON	560		
22	E-1	ELECTRICAL DISTRIBUTION SYSTEM FROM POLE TO HANGAR AND ALL RELATED COSTS (INCLUDING NEW METER BOX, BURIED ELECTRICAL SERVICE, AND TEMPORARY POWER TO EXISTING HANGAR IF REQUIRED)	LS	1		
23	U-1	INTERCEPT EXISTING WATER SERVICE WITH 3/4" "T" BALL VALVE IN BOX, 3/4" SCHEDULE 40 PVC WATER SERVICE LINE, INCLUDING ALL FITTINGS AND BENDS, AND CONCRETE POST WITH HOSE BIBB	LS	1		

SUBTOTAL BASE BID _____

ADDITIVE ALTERNATE 1: 80'x80' PREFABRICATED BULK STORAGE HANGAR

24	13125-H1	80'x80' PREFABRICATED BULK STORAGE HANGAR	LS	1		
----	----------	---	----	---	--	--

SUBTOTAL ADDITIVE ALTERNATE 1 _____

ADDITIVE ALTERNATE 2: 60'x60' PREFABRICATED BULK STORAGE HANGAR

25	13125-H2	60'x60' PREFABRICATED BULK STORAGE HANGAR	LS	1		
----	----------	---	----	---	--	--

SUBTOTAL ADDITIVE ALTERNATE 2 _____

ADDITIVE ALTERNATE 3: 80'x60' PREFABRICATED BULK STORAGE HANGAR

26	13125-H3	80'x60' PREFABRICATED BULK STORAGE HANGAR	LS	1		
----	----------	---	----	---	--	--

SUBTOTAL ADDITIVE ALTERNATE 3 _____

BASE BID + ADDITIVE ALTERNATE 1 _____

BASE BID + ADDITIVE ALTERNATE 2 _____

BASE BID + ADDITIVE ALTERNATE 3 _____

NAME OF BIDDER: _____

SIGNATURE OF BIDDER: _____

(SAME AS BID FORM)

TITLE: _____

DATE: _____

ITEM P-151 CLEARING AND GRUBBING

DESCRIPTION

151-1.1 This item shall consist of clearing or clearing and grubbing, including the disposal of materials, for all areas within the limits designated on the plans or as required by the Resident Project Representative (RPR).

a. Clearing shall consist of the cutting and removal of all trees, stumps, brush, logs, hedges, the removal of fences and other loose or projecting material from the designated areas. The grubbing of stumps and roots will not be required.

b. Clearing and grubbing shall consist of clearing the surface of the ground of the designated areas of all trees, stumps, down timber, logs, snags, brush, undergrowth, hedges, heavy growth of grass or weeds, fences, structures, debris, and rubbish of any nature, natural obstructions or such material which in the opinion of the RPR is unsuitable for the foundation of strips, pavements, or other required structures, including the grubbing of stumps, roots, matted roots, foundations, and the disposal from the project of all spoil materials resulting from clearing and grubbing.

CONSTRUCTION METHODS

151-2.1 General. The areas denoted on the plans to be [~~cleared~~] cleared and grubbed shall be staked on the ground by the [~~RPR~~] Contractor as indicated on the plans.

The removal of existing structures and utilities required to permit orderly progress of work shall be accomplished by local agencies, unless otherwise shown on the plans. Whenever a telephone pole, pipeline, conduit, sewer, roadway, or other utility is encountered and must be removed or relocated, the Contractor shall advise the RPR who will notify the proper local authority or owner to secure prompt action.

151-2.1.1 Disposal. All materials removed by clearing or by clearing and grubbing shall be disposed of [~~in the designated waste disposal area~~] outside the Airport's limits at the Contractor's responsibility [~~by burning~~], except when otherwise directed by the RPR. [~~When burning of material is permitted, it shall be burned under the constant overseeing of a watchman to assure the surrounding vegetation and other adjacent property is not jeopardized. Burning shall be done in accordance with all applicable federal, state and local laws, ordinances, and regulations. The Contractor shall notify the agency having jurisdiction and obtain all approvals in writing before starting any burning operations.~~] As far as practicable, waste concrete and masonry shall be placed on slopes of embankments or channels. When embankments are constructed of such material, this material shall be placed in accordance with requirements for formation of embankments. Any broken concrete or masonry that cannot be used in construction and all other materials not considered suitable for use elsewhere, shall be disposed of by the Contractor. In no case, shall any discarded materials be left in windrows or piles adjacent to or within the airport limits. The manner and location of disposal of materials shall be subject to the approval of the RPR and shall not create an unsightly or objectionable view. When the Contractor is required to locate a disposal area outside the airport property limits, the Contractor shall obtain and file with the RPR permission in writing from the property owner for the use of private property for this purpose.

151-2.1.2 Blasting. Blasting shall not be allowed. [~~Blasting and explosive storage shall be in accordance with Section 70, paragraph 70-09 and all federal, state, and local safety regulations. Submit notice 15 days prior to starting work. Submit a Blasting Plan, prepared and sealed by a registered professional Engineer, that includes calculations for overpressure and debris hazard. Obtain written approval prior to performing any blasting and notify the RPR 24 hours prior to blasting. Include~~]

~~provisions for storing, handling and transporting explosives as well as for the blasting operations in the plan. The Contractor is responsible for damage caused by blasting operations.]~~

151-2.2 Clearing. The Contractor shall clear the staked or indicated area of all materials as indicated on the plans. Trees unavoidably falling outside the specified clearing limits must be cut up, removed, and disposed of in a satisfactory manner. To minimize damage to trees that are to be left standing, trees shall be felled toward the center of the area being cleared. The Contractor shall preserve and protect from injury all trees not to be removed. The trees, stumps, and brush shall be cut flush with the original ground surface. The grubbing of stumps and roots will not be required.

Fences shall be removed and disposed of as directed by the RPR. Fence wire shall be neatly rolled and the wire and posts stored on the airport if they are to be used again, or stored at a location designated by the RPR if the fence is to remain the property of a local owner or authority.

151-2.3 Clearing and grubbing. In areas designated to be cleared and grubbed, all stumps, roots, buried logs, brush, grass, and other unsatisfactory materials as indicated on the plans, shall be removed, except where embankments exceeding 3-1/2 feet (105 cm) in depth will be constructed outside of paved areas. For embankments constructed outside of paved areas, all unsatisfactory materials shall be removed, but sound trees, stumps, and brush can be cut off flush with the original ground and allowed to remain. Tap roots and other projections over 1-1/2 inches (38 mm) in diameter shall be grubbed out to a depth of at least 18 inches (0.5 m) below the finished subgrade or slope elevation.

Any buildings and miscellaneous structures that are shown on the plans to be removed shall be demolished or removed, and all materials shall be disposed of by removal from the site. The cost of removal is incidental to this item. The remaining or existing foundations, wells, cesspools, and like structures shall be destroyed by breaking down the materials of which the foundations, wells, cesspools, etc., are built to a depth at least 2 feet (60 cm) below the existing surrounding ground. Any broken concrete, blocks, or other objectionable material that cannot be used in backfill shall be removed and disposed of at the Contractor's expense. The holes or openings shall be backfilled with acceptable material and properly compacted.

All holes in embankment areas remaining after the grubbing operation shall have the sides of the holes flattened to facilitate filling with acceptable material and compacting as required in Item P-152. The same procedure shall be applied to all holes remaining after grubbing in areas where the depth of holes exceeds the depth of the proposed excavation.

METHOD OF MEASUREMENT

151-3.1 ~~The quantities of clearing as shown by the limits on the plans shall be the number of acres (square meters) or fractions thereof, [per lump sum] of land specifically cleared.~~

151-3.2 The quantities of clearing and grubbing as shown by the limits on the plans shall be the number of acres (square meters) or fractions thereof [~~per lump sum~~] of land specifically cleared and grubbed.

BASIS OF PAYMENT

151-4.1 ~~Payment shall be made at the contract unit price per acre (square meter) or fractions thereof [per lump sum] for clearing. This price shall be full compensation for furnishing all materials and for all labor, equipment, tools, and incidentals necessary to complete the item.~~

151-4.2 Payment shall be made at the contract unit price per acre (square meter) [~~per lump sum~~] for clearing and grubbing. This price shall be full compensation for furnishing all materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-151-4.1 Clearing ~~— [per acre (square meter) or fractions thereof] [per lump sum]~~

Item P-151-4.2 Clearing and grubbing - per acre (square meter) or fractions thereof ~~[per lump sum]~~

END OF ITEM P-151

THIS PAGE INTENTIONALLY LEFT BLANK

FILE NAME: S:\Projects\Keystone Airpark Authority\60589661_BulkStorage\Design\900-Work\910 CAD\20-SHEETS\G1-02-QUANT-INDEX.dwg LAYOUT NAME: G1-02 PLOTTED: Thursday, August 22, 2019 - 4:45pm USER: mitchell.morgan

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY
BASE BID: SITE DEVELOPMENT			
C-105	MOBILIZATION	LS	1
P-151-4.2	CLEARING AND GRUBBING	AC	1.06
P-152-4.2	UNCLASSIFIED EXCAVATION	CY	1800
P-156-5.1	TEMPORARY SILT FENCE, TYPE III	LF	760
P-156-5.2	TEMPORARY INLET PROTECTION	EA	1
P-211-5.1	LIMEROCK BASE COURSE (6" THICK)	SY	2400
P-610-6.1	CONCRETE FOR SIDEWALK AND LANDING	SY	30
P-620-5.1	TAXIWAY PAINTING- YELLOW REFLECTIVE (2 COATS REQUIRED)	SF	70
P-620-5.2	6" BLACK OUTLINE, NON REFLECTIVE (2 COATS REQUIRED)	SF	130
D-701-5.1	6" ADS, TYPE "S", N-12 PIPE W/ CLASS "B" BEDDING, OR APPROVED EQUAL	LF	370
D-701-5.2	18" RCP (CLASS III) W/ CLASS "B" BEDDING	LF	90
D-701-5.3	14"x23" ELLIPTICAL RCP (CLASS III) W/ CLASS "B" BEDDING	LF	40
D-751-5.1	INLET, TYPE D	EA	1
D-751-5.2	INLET, TYPE D, POND CONTROL STRUCTURE	EA	1
D-752-5.1	6" ADS MITERED END SECTION	EA	1
D-752-5.2	14"x23" ELLIPTICAL MITERED END SECTION	EA	1
D-752-5.3	18" MITERED END SECTION	EA	1
T-901-5.1	SEEDING AND MULCHING	SY	19100
T-904-5.1	SODDING	SY	10600
160-4-1	STABILIZATION	SY	3500
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TON	560
E-1	ELECTRICAL DISTRIBUTION SYSTEM FROM POLE TO HANGAR AND ALL RELATED COSTS (INCLUDING NEW METER BOX, BURIED ELECTRICAL SERVICE, AND TEMPORARY POWER TO EXISTING HANGAR IF REQUIRED)	LS	1
U-1	INTERCEPT EXISTING WATER SERVICE WITH 3/4" "T" BALL VALVE IN BOX, 3/4" SCHEDULE 40 PVC WATER SERVICE LINE, INCLUDING ALL FITTINGS AND BENDS, AND CONCRETE POST WITH HOSE BIBB	LS	1
ADDITIVE ALTERNATE 1: 80'x80' PREFABRICATED BULK STORAGE HANGAR			
ITEM NO.	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY
13125-H1	80'x80' PREFABRICATED BULK STORAGE HANGAR	LS	1
ADDITIVE ALTERNATE 2: 60'x60' PREFABRICATED BULK STORAGE HANGAR			
ITEM NO.	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY
13125-H2	60'x60' PREFABRICATED BULK STORAGE HANGAR	LS	1
ADDITIVE ALTERNATE 3: 80'x60' PREFABRICATED BULK STORAGE HANGAR			
ITEM NO.	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY
13125-H3	80'x60' PREFABRICATED BULK STORAGE HANGAR	LS	1

INDEX OF DRAWINGS

G1.01	COVER SHEET
G1.02	INDEX OF DRAWINGS & SUMMARY OF QUANTITIES
G1.03	SAFETY & SECURITY NOTES
G1.04	CONTRACT LAYOUT PLAN AND GENERAL NOTES
G2.01	PHASING PLAN AND NOTES
G3.01	SAFETY DETAILS
C1.01	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.01	SITE PLAN
C3.01	TYPICAL SECTIONS
C4.01	GRADING AND DRAINAGE PLAN
C4.11	DRAINAGE PIPE PROFILES
C4.21	DRAINAGE DETAILS AND STRUCTURE TABLE
C5.01	EROSION CONTROL PLAN
C5.11	EROSION CONTROL DETAILS (1)
C5.12	EROSION CONTROL DETAILS (2)
C6.01	HANGAR BUILDING LAYOUT AND ELEVATIONS
C6.02	HANGAR BUILDING FOUNDATIONS
C6.03	HANGAR BUILDING SECTIONS
C6.04	HANGAR BUILDING DETAILS AND NOTES
C7.01	UTILITY PLAN
C7.11	UTILITY DETAILS
C8.01	ELECTRICAL SCHEDULE
C8.02	ELECTRICAL FLOOR PLAN
C8.03	ELECTRICAL DETAILS AND NOTES

DATE	DESCRIPTION	BY	AUTH
AUG 2019	BID DRAWINGS	AECOM	WRP
AUG 2019	ADDENDUM #1		

EDGAR J. FIGUEROA

FL PE. NUMBER 53463



**KEYSTONE HEIGHTS AIRPORT
KEYSTONE HEIGHTS, FLORIDA
KEYSTONE AIRPARK AUTHORITY**



AECOM
7650 West Courtney Campbell Causeway
Tampa, FL 33607-1462
Tel: 813.286.1711
FL DBPR No. 8115

PM: EDGAR J. FIGUEROA
DWG. BY: MTM
CHK. BY: WRP
DSG. BY: KLP
SCALE: AS NOTED
PROJECT NO. 60589661
DATE: AUG 2019

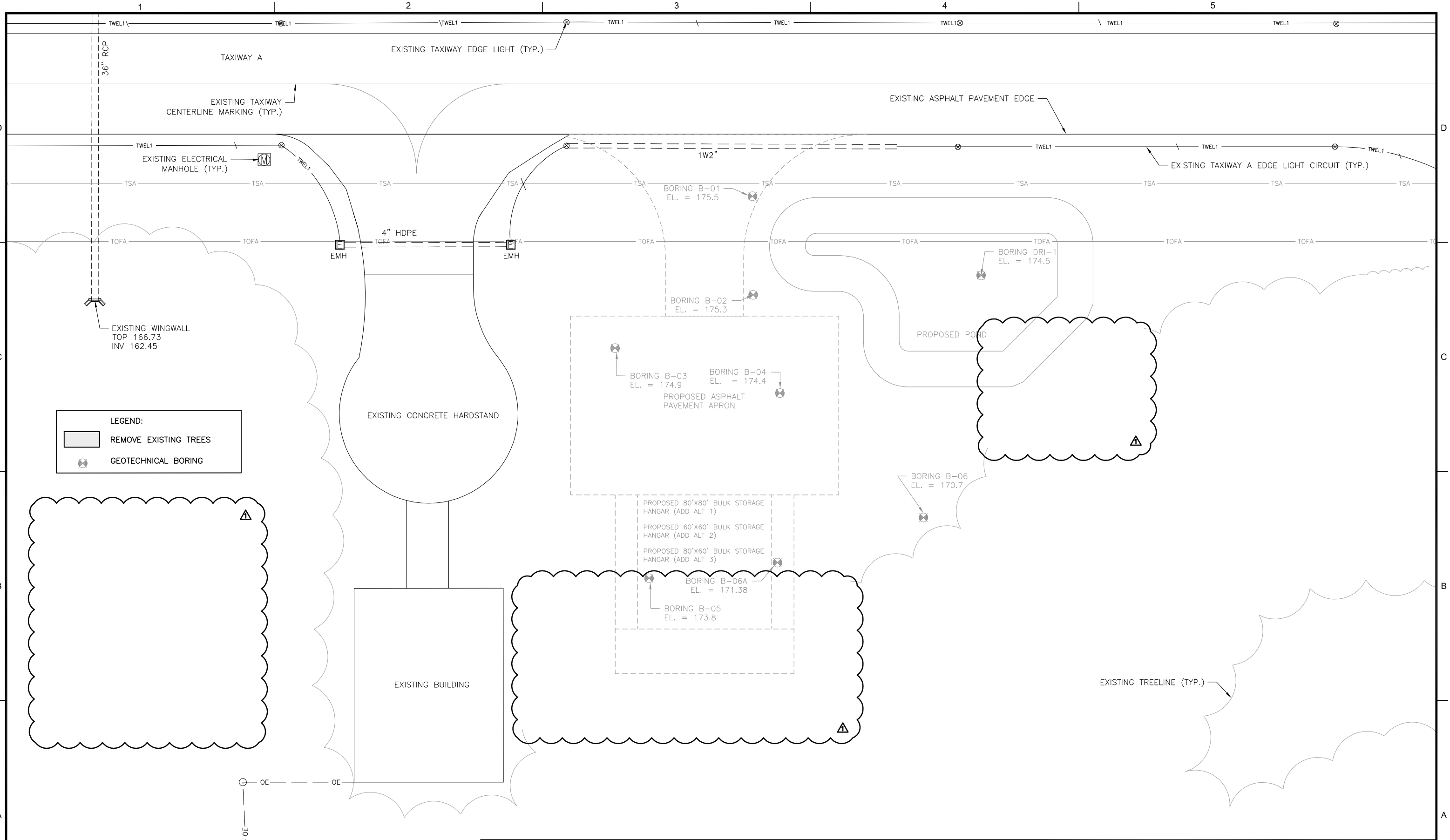
BULK AIRCRAFT STORAGE HANGAR

SHEET TITLE
**INDEX OF DRAWINGS &
SUMMARY OF QUANTITIES**

SHEET NO.

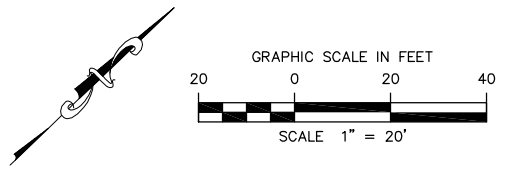
G1.02

FILE NAME: S:\Projects\Keystone Airpark Authority\900-Work\910 CAD\20-SHEETS\C1-01 EX COND & DEMO.dwg LAYOUT NAME: C1-01 EX COND & DEMO.dwg PLOTTED: Tuesday, August 20, 2019 - 5:14pm USER: mitchell.morgan



LEGEND:

	REMOVE EXISTING TREES
	GEOTECHNICAL BORING



DATE	DESCRIPTION	BY	AUTH
AUG 2019	BID DRAWINGS	AECOM	WRP
AUG 2019	ADDENDUM #1		

EDGAR J. FIGUEROA
FL PE. NUMBER 53463

KEYSTONE HEIGHTS AIRPORT
KEYSTONE HEIGHTS, FLORIDA
KEYSTONE AIRPARK AUTHORITY

AECOM
7650 West Courtney Campbell Causeway
Tampa, FL 33607-1462
Tel: 813.286.1711
FL DBPR No. 8115

PM: EDGAR J. FIGUEROA
DWG. BY: MTM
CHK. BY: WRP
DSG. BY: KLP
SCALE: AS NOTED
PROJECT NO. 60589661
DATE: AUG 2019

BULK AIRCRAFT STORAGE HANGAR	
SHEET TITLE	
EXISTING CONDITIONS AND DEMOLITION PLAN	
SHEET NO.	
C1.01	