

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS DIVISION**

ADDENDUM NO. 2

FOR

**DRAINAGE AND WIND CONE IMPROVEMENTS
AT
HILO INTERNATIONAL AIRPORT
HILO, HAWAII**

STATE PROJECT NO. AH1021-20

January 9, 2023

This Addendum shall make the following amendments to the Bid Documents:

1. SPECIFICATIONS

a. SPECIAL PROVISIONS

Delete SPECIAL PROVISIONS page 5 dated October 2022 and replace it with the attached SPECIAL PROVISIONS page 5 dated r01.09.23.

b. PROPOSAL

Delete PROPOSAL page P-1 dated r05.20.21 and replace it with the attached PROPOSAL page P-1 dated r01.09.23.

2. DRAWINGS

- a. Delete DWG NO. C-28 and replace with the attached Addendum No. 2 DWG NO. C-28 dated 1/9/23.**

The following is provided for information:

3. RESPONSES TO REQUEST FOR INFORMATION (RFI's/QUESTIONS)

- a. The Response to Request for Information (RFI's/Questions) are provided for your information.**

4. AS-BUILT DRAWINGS

The attached as-built drawings are provided for information.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided on page P-4 of the Proposal.



EDWIN H. SNIFFEN
Director of Transportation

“A bidder may withdraw or revise a proposal after the bidder submits the proposal in HlePRO. Withdrawal or revisions of proposal must be completed before the time set for the receiving of bids.”

2.14 PUBLIC OPENING OF BIDS is amended by deleting 2.14 Public Opening of bids in its entirety

4.12 UTILITIES AND SERVICES is amended as follows:

Add the following after the last paragraph:

"(e) Repairs and Outages.

- (1) The Contractor shall have available on 24-hour call sufficient specialty contractors, such as electrical and plumbing contractors, to repair any damage to existing facilities that might occur as a result of construction operations regardless of when the damage might occur.
- (2) Outage: Written requests for power outage, communication changes, and water and sewer connection outages shall be submitted to the Engineer at least seven (7) days in advance or as specified in other sections of these specifications. Outages will be restricted to non-peak operational hours between midnight and 6:00 a.m."

7.4 WORKING HOURS; NIGHT WORK is amended as follows: Paragraph shall be replaced with the following:

“Normal working hours shall be as shown on the Plans.”

7.21 PUBLIC CONVENIENCE AND SAFETY - is hereby added to Article VII of the General Provisions:

"It shall be especially noted by the Contractor that the area directly adjacent to the existing in use runways and taxiways, is an extremely hazardous area and that very strict controls will apply throughout the entire period required to complete all work within 500 feet from the edge of an in use runway and 180 feet from the edge of an in use taxiway.

The Contractor shall familiarize himself with the Airport Certification Manual available for review at the Airport Manager's Office and shall comply with its requirements.

The Contractor is responsible for the security of access points to the Airport Operational Area that are located within the limits of construction and will be fined \$1,000 per incident for any breach of security at these locations. All gates leading into the AOA shall be kept locked and if required to be open, the Contractor shall contract with the Airport Security Contractor to provide security guards to attend gates. The guards must be approved by the Airport Security Manager and shall be required to attend a training session conducted by the Airport Manager prior to gate assignment."

8.8 LIQUIDATED DAMAGES FOR FAILURE TO COMPLETE THE WORK OR PORTIONS OF THE WORK ON TIME: The General Provisions is hereby amended to include the following:

The schedule of liquidated damages provided in Section 8.8 of the General Provisions in these specifications shall be amended to include the following:



TEN THOUSAND DOLLARS (\$10,000.00) per calendar day for failure to complete the project **within THREE HUNDRED EIGHT (308)** calendar days from the date indicated in the Notice to Proceed from the State.

Phase	1	2	3	4	5	6	7	8
Duration (calendar days)	90	30	14	14	28	28	7	7

**PROPOSAL TO THE
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION**

PROJECT: DRAINAGE AND WIND CONE IMPROVEMENTS
HILO INTERNATIONAL AIRPORT
HILO, HAWAII



STATE PROJECT NO.: AH1021-20

AIP PROJECT NO.: 3-15-0004-###

COMPLETION TIME: **NINETY (90)** Calendar days for pre-construction activities followed by;



TWO HUNDRED EIGHTEEN (218) additional calendar days for construction activities, whereby;

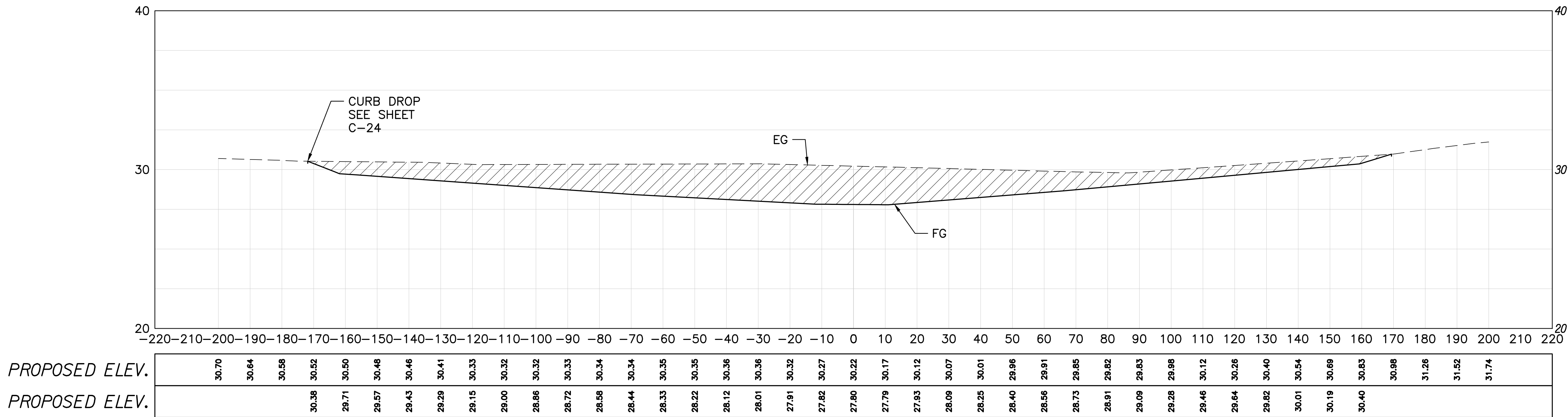
All work under this contract must be completed within **THREE HUNDRED EIGHT (308)** calendar days from the date indicated in the Notice to Proceed from the State.



DBE PROJECT GOAL: 2.0%

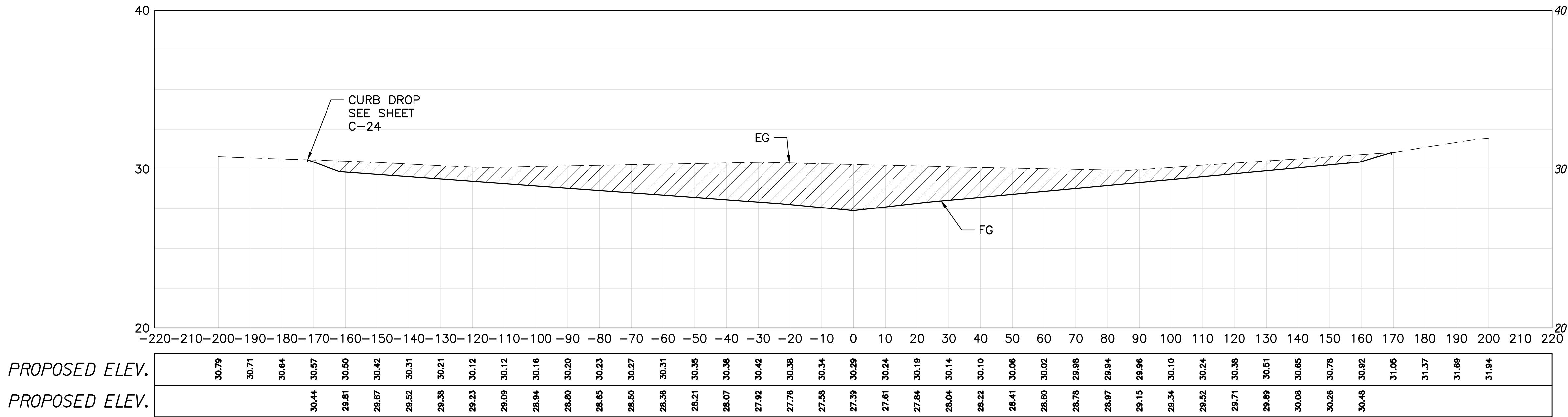
DESIGN PROJECT MANAGER:

NAME: Hany Sokar
ADDRESS: Department of Transportation Airports Division
Daniel K. Inouye International Airport
400 Rodgers Boulevard, Suite 700
Honolulu, Hawaii 96819-1880
EMAIL: hany.fa.sokar@hawaii.gov
PHONE NO.: (808) 838-8848
FAX NO.: (808) 838-8751



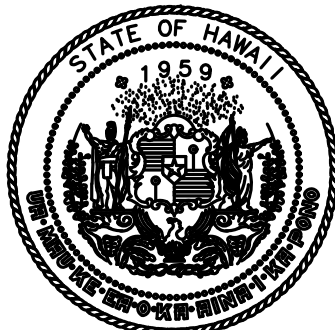
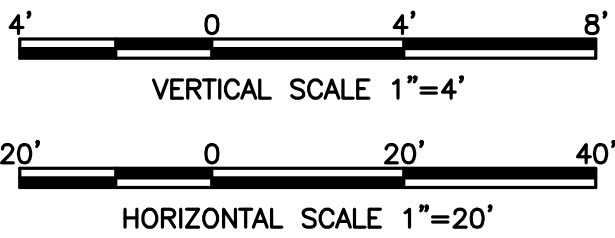
ARMY NATIONAL GUARD AVIATION RAMP GRASS: STA. 1+50.00

Material(s) at Station 1+50.00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	472.45	804.01	1762.59 CuYd
Ground Fill	0.00	0.00	0.00 CuYd

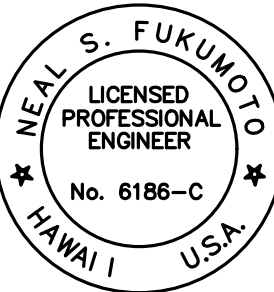


ARMY NATIONAL GUARD AVIATION RAMP GRASS: STA. 2+00.00

Material(s) at Station 2+00.00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	475.05	877.31	2639.91 CuYd
Ground Fill	0.00	0.00	0.00 CuYd



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII



This work was prepared by me
or under my supervision.
Exp. 04-30-24

Wesley R. Segawa & Associates, Inc.

DSGN.	DRWN.	CHKD.	APPD.
RF	RF	CD	NF

KEY PLAN / NOTES:

2	1/9/23	ADDENDUM 2
NO.	DATE	REVISIONS

PROJECT TITLE :

**DRAINAGE & WIND CONE
IMPROVEMENTS**

AT
HILO INTERNATIONAL AIRPORT
SOUTH HILO, HAWAII

PROJECT NO.:

AH1021-20

SHEET TITLE:

CROSS SECTIONS 3

DATE :

OCTOBER 2022

SHEET :

39 OF 50 SHEETS

DWG. NO.

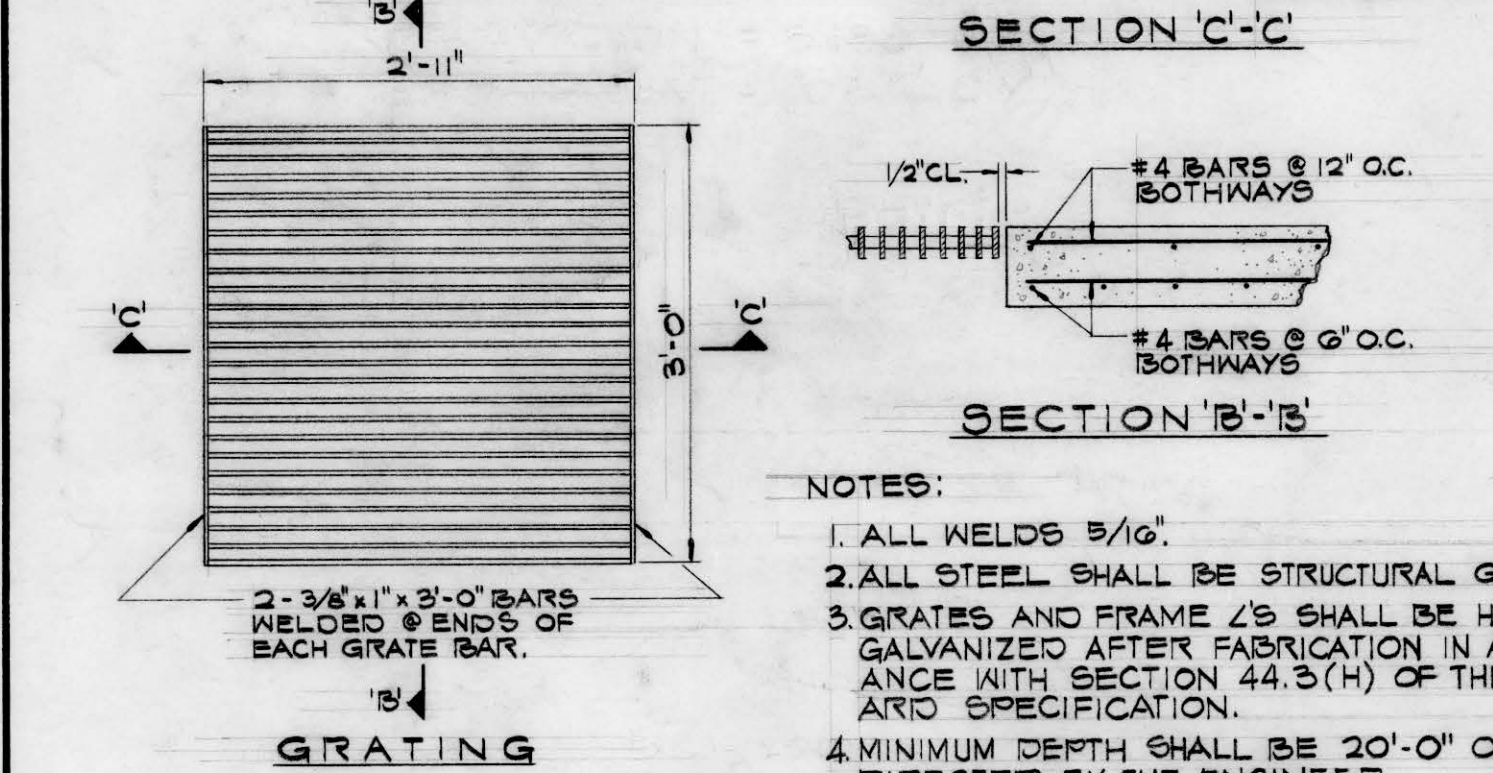
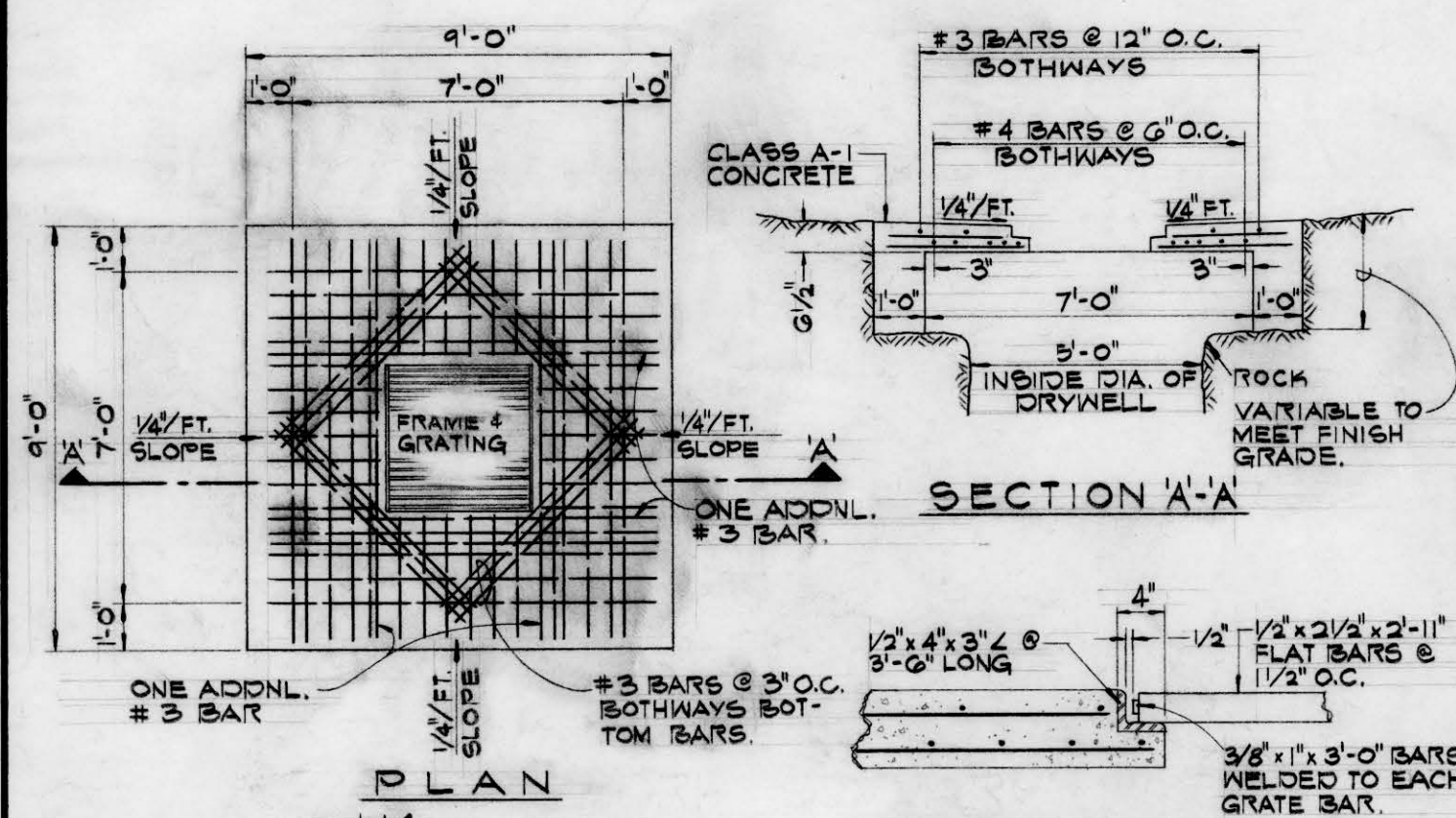
C-28

DRAINAGE AND WIND CONE IMPROVEMENTS
AT
HILO INTERNATIONAL AIRPORT
HILO, HAWAII
STATE PROJECT NO. AH1021-20

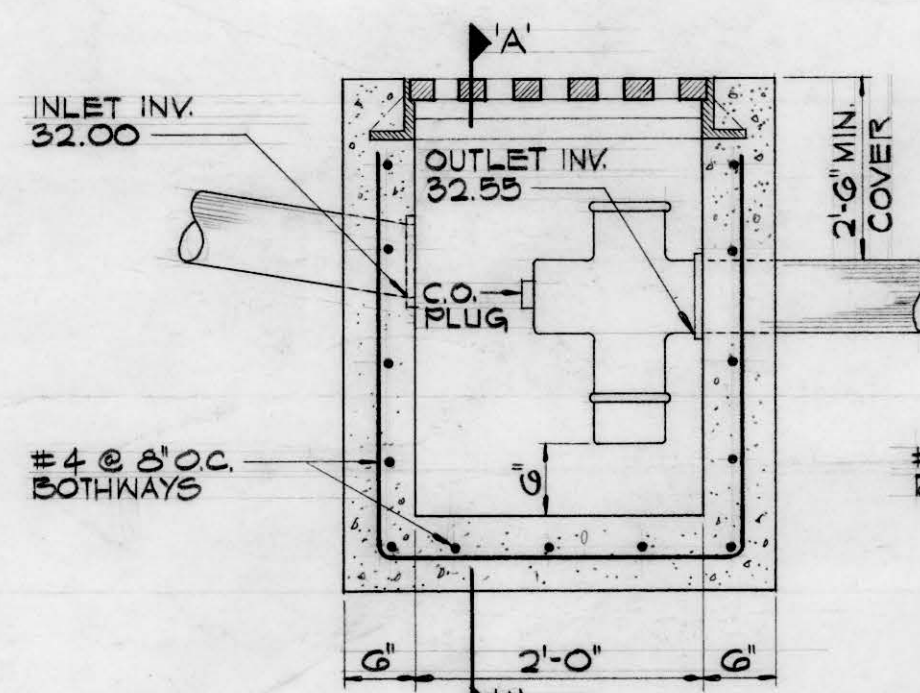
RESPONSE TO REQUEST FOR INFORMATION (RFI'S / QUESTIONS)

- a. **Question:** Per request at the pre bid meeting, we would like to conduct a site visit. Any chance we could get one scheduled?
Answer: Site visit information was included in Addendum 1.
- b. **Question:** “Materials at Station 1+50 Table” is missing from the current plan set, could you please provide missing data C-28 x-section 1+50?
Answer: See DWG NO. C-28 dated 1/9/23.
- c. **Question:** Following the project phasing sequence only one wind cone will be replaced during each associated phase. (a) Will existing cone for that phase need to be operational during while the other is being installed? (b) Will a temporary cone be needed should the existing cone need to be decommissioned prior to new cone?
Answer:
(a) Per the CSPP, there shall be an operational wind cone at each runway end at all times.
(b) The new wind cone can be installed prior to removing the existing wind cone.
- d. **Question:** Will grading permits and right of way permits be required for this project?
Answer: See Specification Section 01005 – Description of Work, Paragraph 1.04.C, for information regarding the grading permit. A county right-of-way permit is not anticipated to be required.
- e. **Question:** Bid Item 02300.1 Unclassified Excavation and Embankment, Off Airport Property (a) Contractor to assume all excavation will need to be hauled off site, please clarify if all excavation will be hauled away? (b) Will a geotechnical report be provided for the areas of excavation? (c) If no geotechnical report is provided will contractors be allowed to dig test pits in areas of interest? Will sufficient time be given to complete this task along with airport protocols? (d) In reports provided the existing soil is characterized as “contaminated” can the contaminated soil be quantified or shall it be assumed all material excavated is contaminated? (e) Will in-situ rock that is liberated during excavation be considered possible contaminated?
Answer:
(a) Per Specification Section 02300 – Excavation, Subgrade, and Embankment, paragraph 152-1.2.a, disposal of all material shall be off airport property.

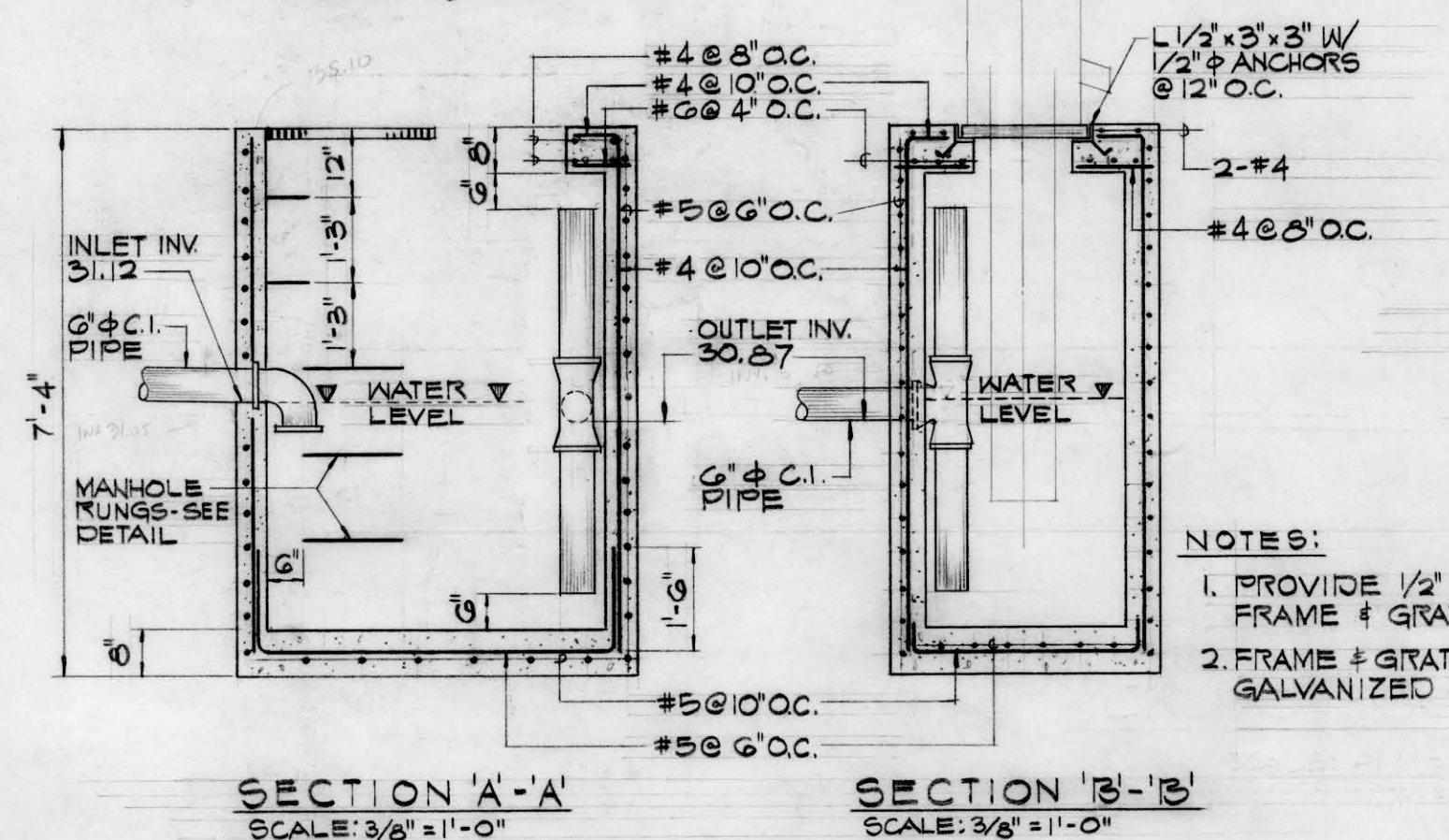
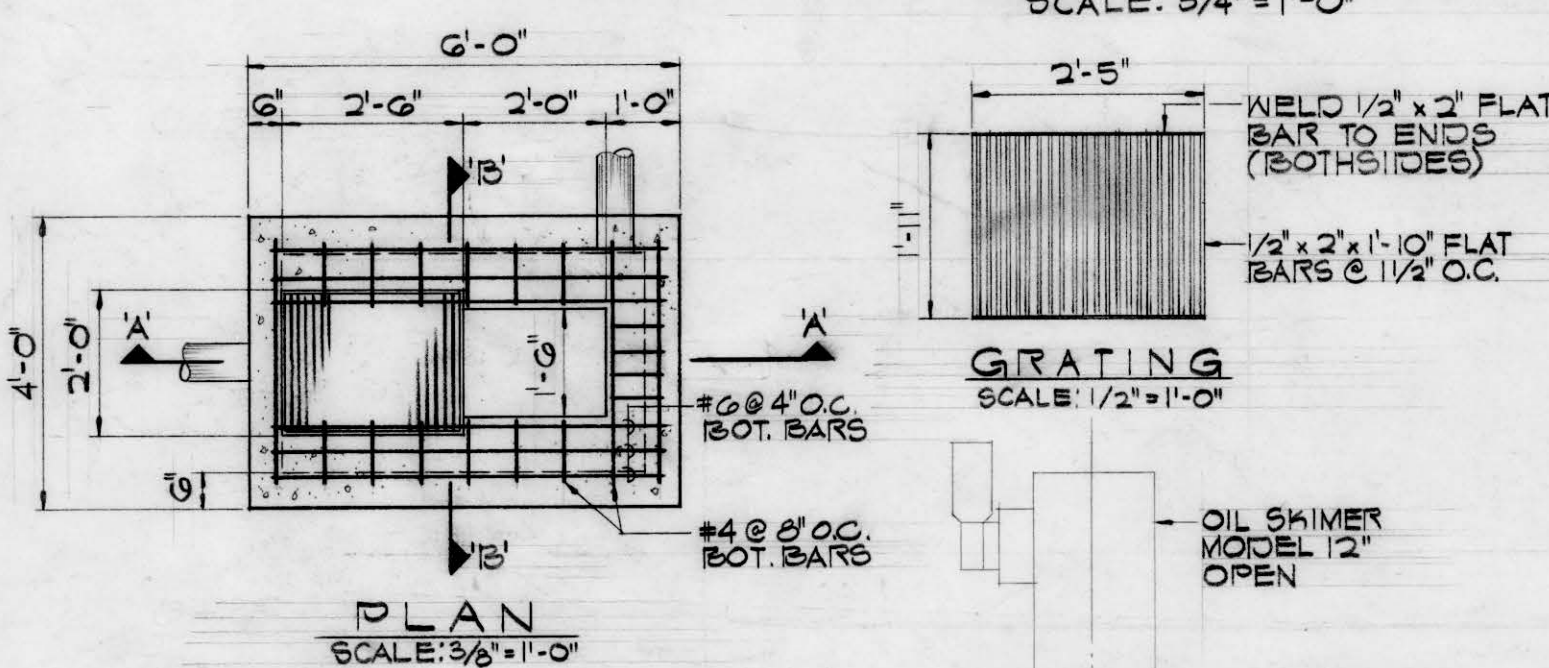
- (b) A geotechnical report is not available. Attached are portions of as-built drawings of previous projects near the project area. These as-builts are provided in response to a Bidder's request. Nothing contained in these as-builts, implied or otherwise, should be construed as a significant factor in the Bidder's bid proposal. The State provides these as-builts with the understanding that the Bidder is solely responsible for their respective bid using their own judgement and experience to prepare and submit their bid. The Bidder must not hold liable in any way the author/provider of these as-builts or deem the contents of the as-builts as wholly or partially accurate. Bidders may use these as-builts at their own risk.
- (c) Test pits will not be allowed.
- (d) It shall be assumed all soil material excavated is contaminated.
- (e) Refer to the C-EHMP.
- f. **Question:** Bid Item 01562.1 Management of Contaminated Medias – Allowance (a) Per associated spec section "Contractor shall supply all labor, materials, and equipment necessary for the removal, temporary storage, testing, handling soil backfilling and management of contaminated media." Will the cost for disposal should it need to be taken to a specialized facility be covered under this allowance? (b) Section 3.3 states HDOH Clean Water Branch needs to be notified 90 calendar days prior to start but the contract phasing only allows for 60 days prior to start of work. (c) In this spec section it is mentioned on multiple occasions that stockpiling and testing of individual piles is needed, on Page 25 of the spec C-EHMP Section 1.2 it states that the assessment was performed to characterize the soil and obviate the need for on-site stockpiling. Will stockpiling of the material at a separate location within the project site be required?
- Answer:**
- (a) Requirements for disposal of contaminated soil are specified in the C-EHMP. The Bidder shall bid accordingly.
- (b) Pre-Construction duration revised to 90 calendar days per Addendum 2.
- (c) A stockpile location on airport property will be provided.
- g. **Question:** Will precast be allowed for wind cone bases and drain inlet covers?
- Answer:** Precast wind cone bases and drain inlet covers shall be allowed.
- h. **Question:** In the notes for electrical trenching steel plates are not allowed, will steel plates be allowed during construction of drywells?
- Answer:** Steel plates may be allowed during the construction of dry wells pending approval by the Airport Manager and the FAA.
- i. **Question:** Can multiple sheets of thinner plastic be used in place of 20Mil plastic?
- Answer:** No. 20Mil plastic shall be used.



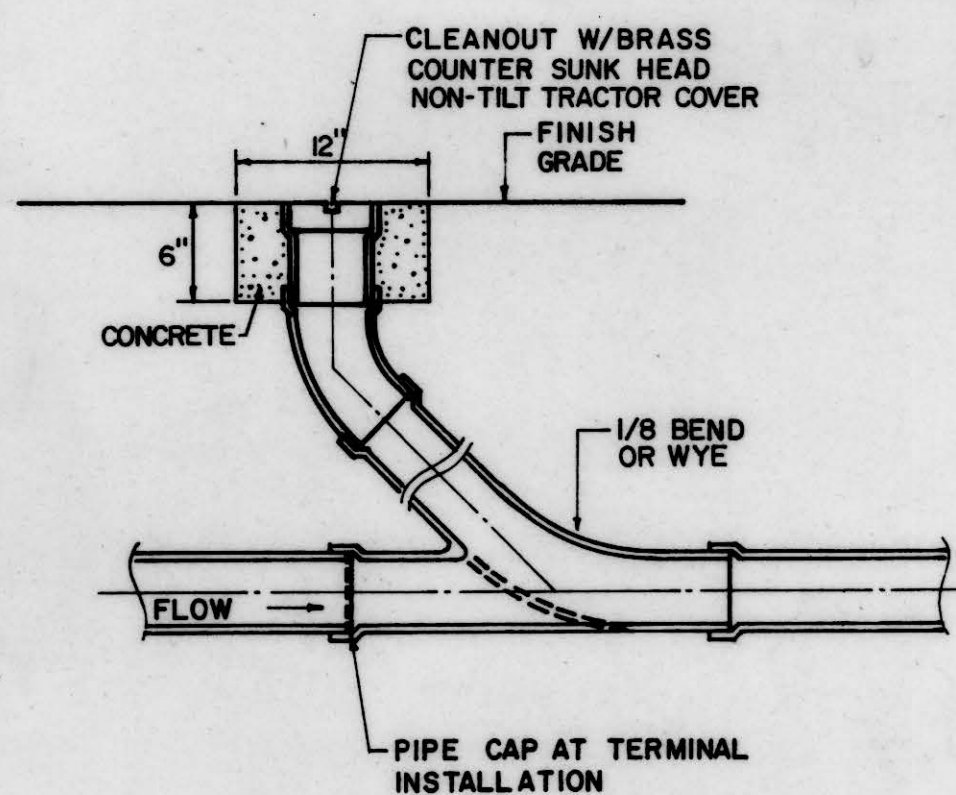
DRY WELL DETAIL
NOT TO SCALE



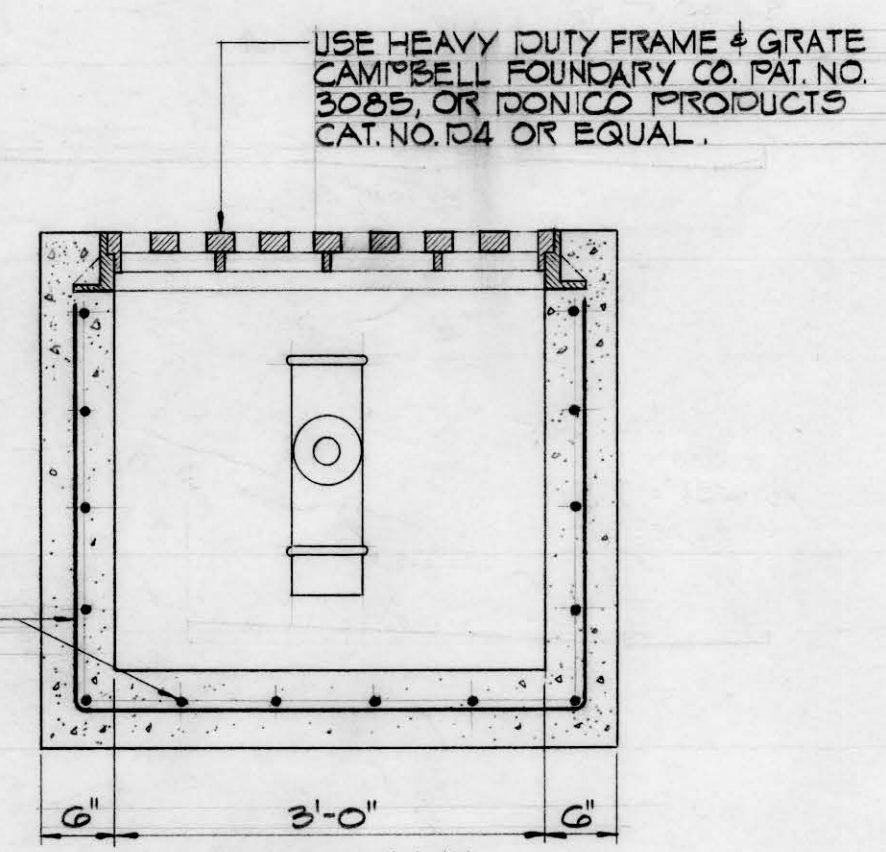
SAND TRAP DETAIL
SCALE: 3/4" = 1'-0"



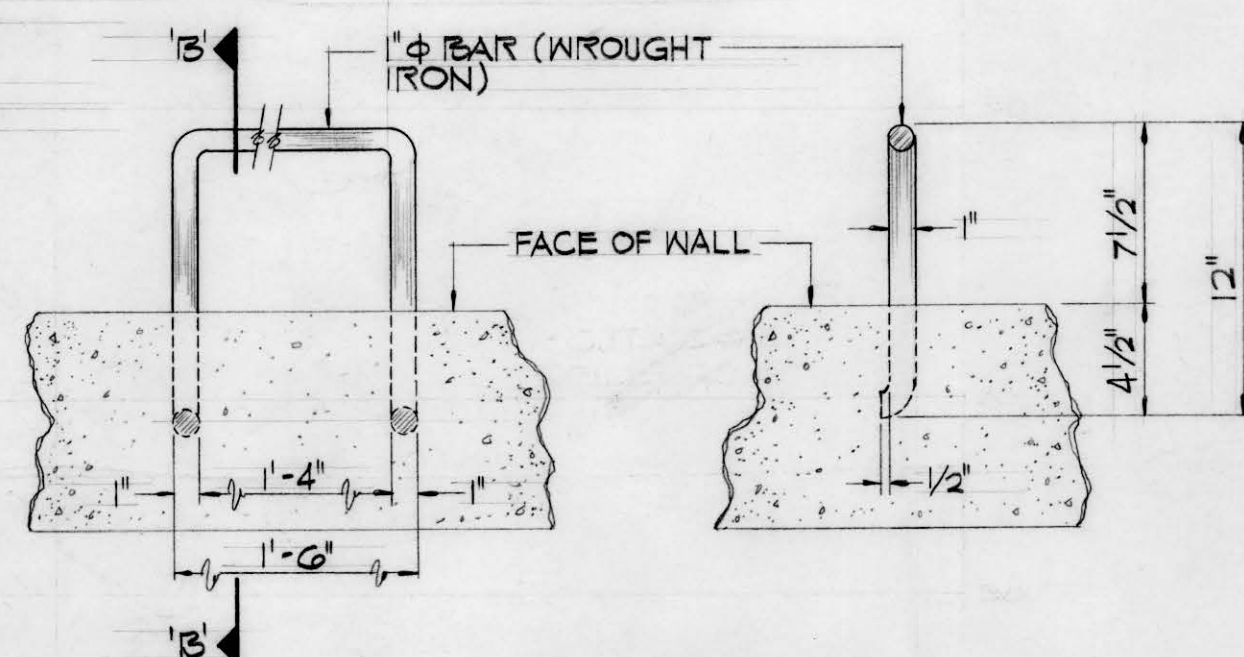
GREASE FLOTATION BASIN DETAIL
SCALE: AS SHOWN



TYPICAL CLEANOUT
NOT TO SCALE

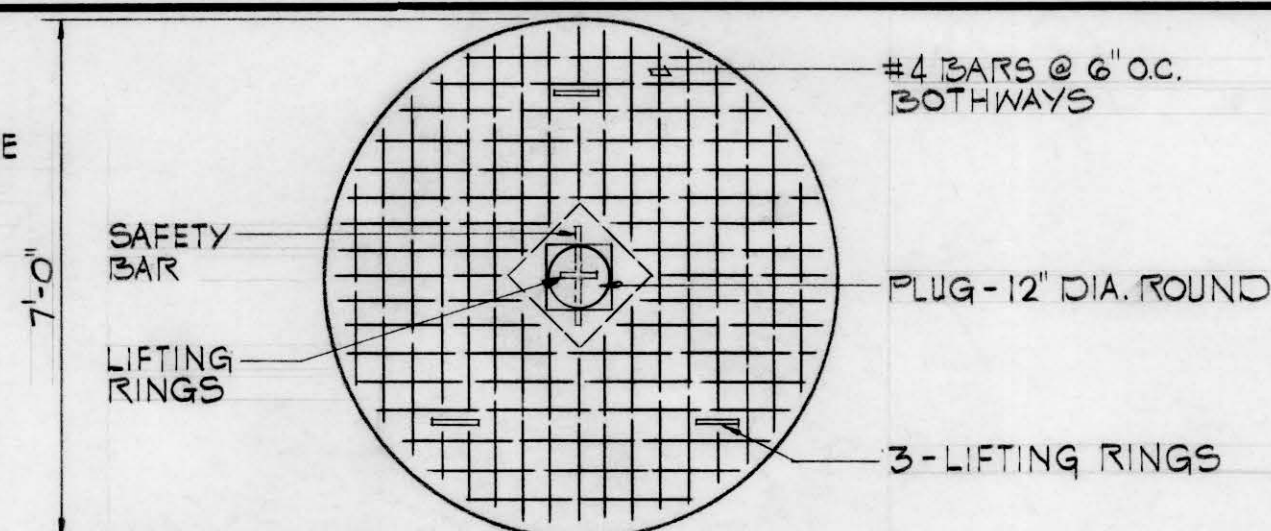


LOCKING B.L.H. DETAIL
NOT TO SCALE

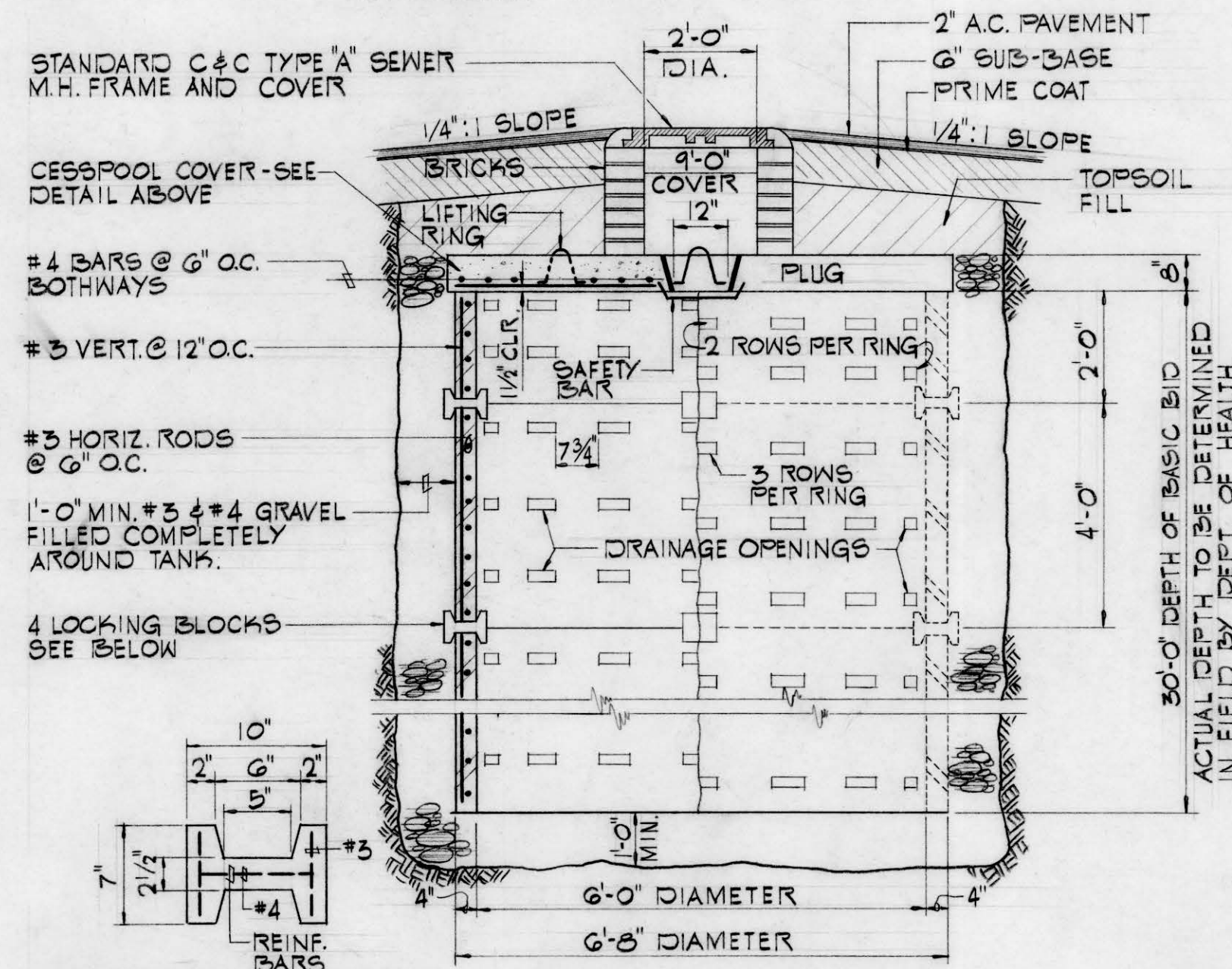


MANHOLE - RUNGS DETAIL
SCALE: 1/2" = 1'-0"

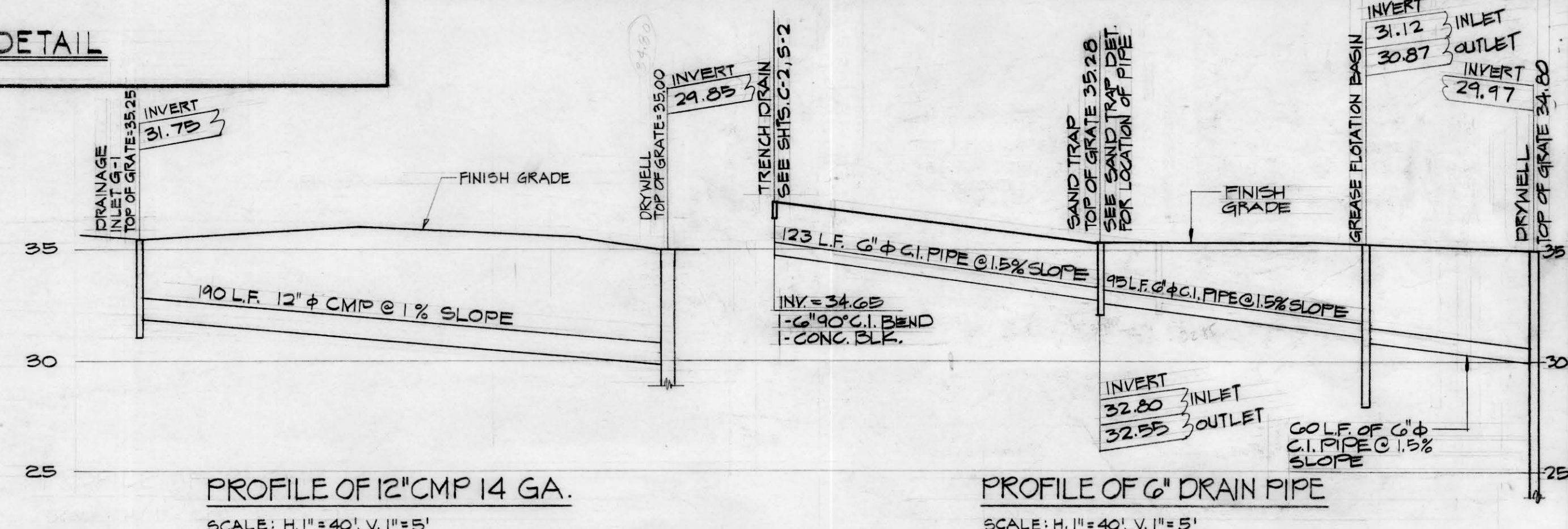
NOTE:
25 DAY COMPRESSIVE
CONCRETE STRENGTH
3000 PSI



CESSPOOL COVER DETAIL
NOT TO SCALE

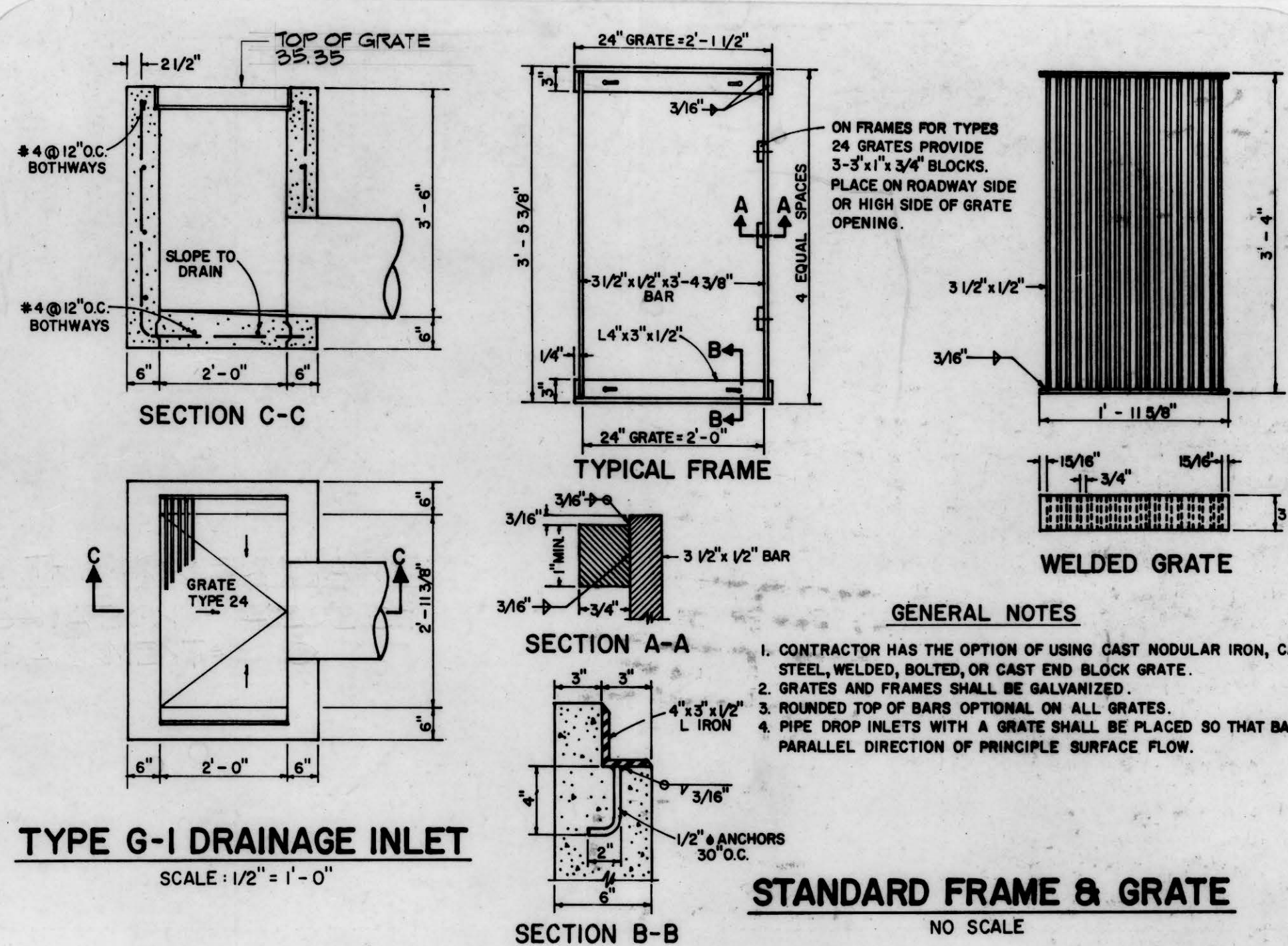


CESSPOOL DETAIL
NOT TO SCALE



PROFILE OF 12" CMP 14 GA.
SCALE: H. 1" = 40', V. 1" = 5'

PROFILE OF 6" DRAIN PIPE
SCALE: H. 1" = 40', V. 1" = 5'



TYPE G-1 DRAINAGE INLET
SCALE: 1/2" = 1'-0"

STANDARD FRAME & GRATE
NO SCALE

BORING LOG

BORING NO.	SURFACE ELEV.	DEPTH	DESCRIPTION
B1	99.9 ± FT.	9 FT.	HIGHLY WEATHERED ROCK (CLINKER) - MOTTLED GRAY, DENSE, WITH FEW SOFT WEATHERED SEAMS. COVERED BY 3" OF ASPHALTIC CONCRETE AND 12" OF BASE COURSE. BEGIN NX CORING FROM 2 FT. 26% RECOVERY FROM 2 TO 7 FT. WATER LEVEL @ 5.6 FT. GRADING MEDIUM HARD FROM 6.5 FT. 60% RECOVERY FROM 7 TO 9 FT.
B2	100.5 ± FT.	5 FT.	HIGHLY WEATHERED ROCK (CLINKER) - MOTTLED GRAY, DENSE TO MEDIUM HARD, WITH FEW SOFT WEATHERED SEAMS. COVERED BY 3" OF ASPHALTIC CONCRETE AND 4" OF BASE COURSE. BEGIN NX CORING FROM 1.5 FT. 43% RECOVERY FROM 1.5 TO 5 FT.
B3	100.5 ± FT.	10 FT.	VESICULAR BASALT - GRAY, MEDIUM HARD, HIGHLY FRACTURED, WITH WEATHERED SEAMS. COVERED BY 3" OF ASPHALTIC CONCRETE AND 2" OF BASE COURSE. BEGIN NX CORING FROM 2 FT. 78% RECOVERY FROM 2 TO 7 FT. WATER LEVEL @ 3 FT. 90% RECOVERY FROM 7 TO 10 FT. GRADING HARD FROM 7.3 FT.
B4	100.4 ± FT.	7 FT.	VESICULAR BASALT - GRAY, MEDIUM HARD, FRACTURED, WITH WEATHERED SEAMS. COVERED BY 3" OF ASPHALTIC CONCRETE AND 6" OF BASE COURSE. GRADING HARD FROM 1.5 FT. BEGIN NX CORING FROM 2 FT. WATER LEVEL @ 4.5 FT. 100% RECOVERY FROM 2 TO 7 FT.

REF FOR BORING LOG DATA FROM REPORT BY ERNEST K. HIRATA & ASSOC., INC. DATED JAN. 7, 1983

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DEPARTMENTS OF THE ARMY AND AIR FORCE NATIONAL GUARD OF HAWAII OFFICE OF THE ENGINEER, FT. RUGER, HAWAII	
DESIGNED BY: M. NISHIDA	ARMY AVIATION FLIGHT ACTIVITY ARMY NATIONAL GUARD - GENERAL LYMAN FIELD HILO, HAWAII
CHECKED BY: G.A.	DRAINAGE PROFILES & DETAILS, CESSPOOL & CLEANOUT DETAIL, LOG BORINGS
APPROVED BY: M. NISHIDA	DATE: 15 JULY 83
SCALE: AS SHOWN	
DRAWING NO. 5 OF 38	



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

EXPIRES 04/30/2018
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Signature

DSGN.	DRWN.	CHKD.	APPD.
KB	GMP	TAC	TAC

KEY PLAN / NOTES:

NO. DATE REVISIONS



INTERNATIONAL, LLC.
CONSULTING ENGINEERS
735 Bishop Street
Suite 2000 Honolulu, HI 96813
Ph: (808) 521-4711

NO. DATE REVISIONS

PROJECT TITLE:

AIRFIELD
DRAINAGE
IMPROVEMENTS

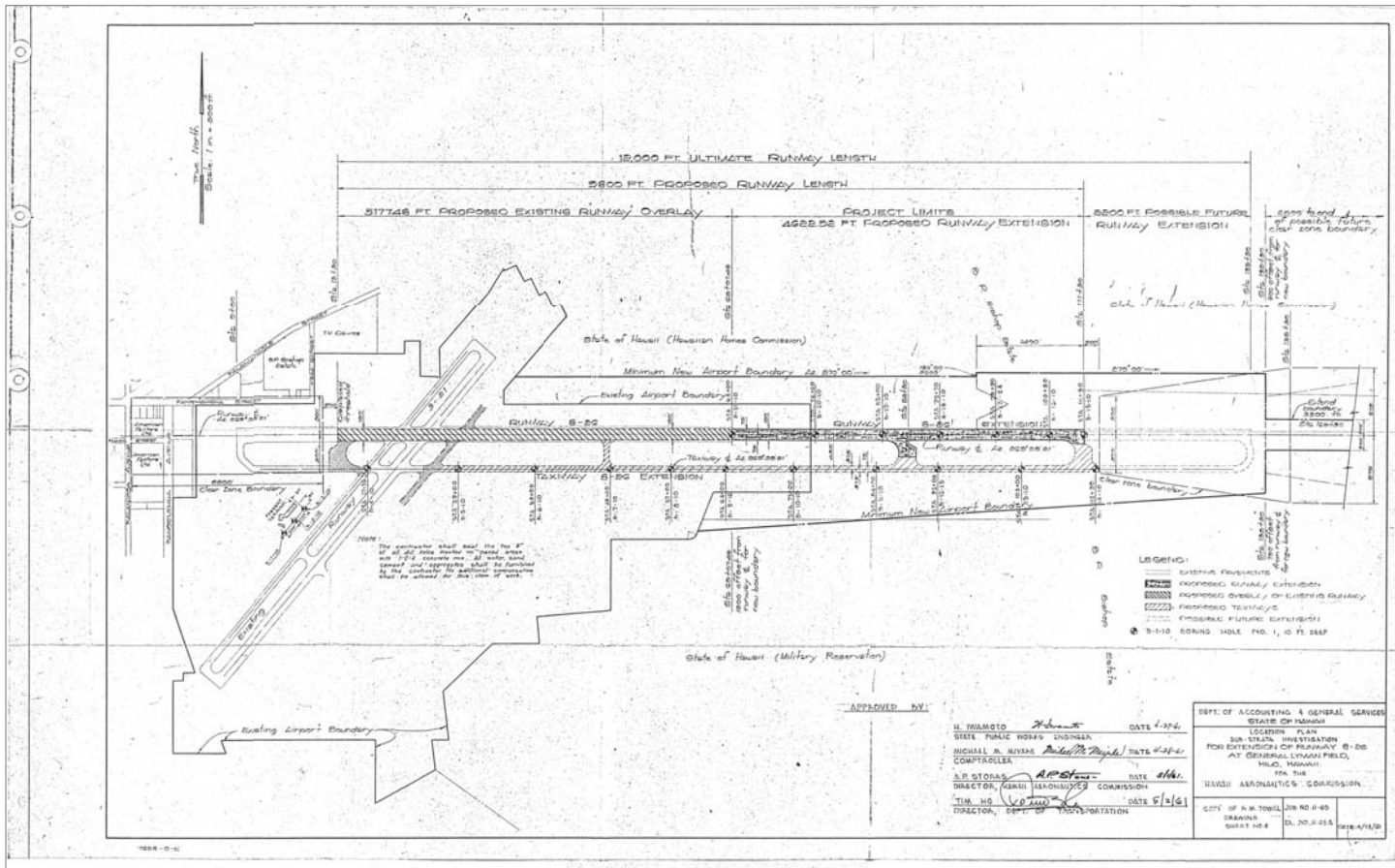
PROJECT NO.:

STATE PROJECT NO. AH1021-18

SHEET TITLE:

EXISTING BORING LOG DATA 1

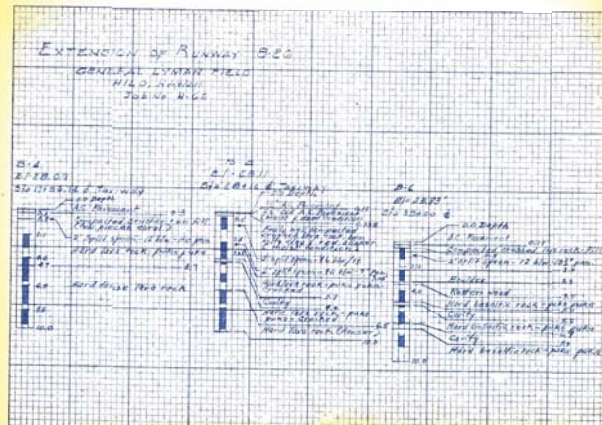
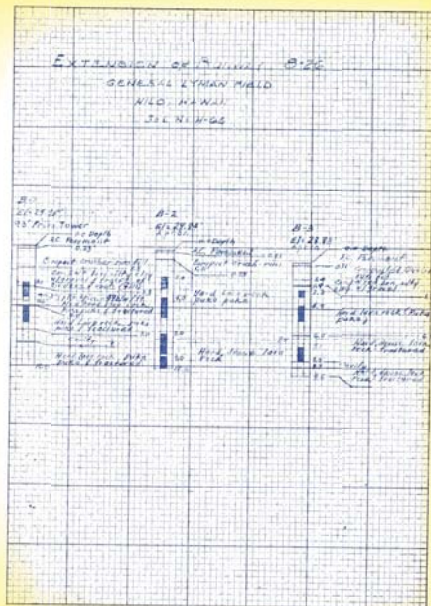
DATE :	SHEET
JULY 29, 2016	116
DWG. NO. :	OF 119 SHEETS
B-1	



NOTE

THE BORING LOGS SHOWN ARE FOR REFERENCE ONLY AND WERE OBTAINED FROM DRAWINGS AND REPORTS FROM PREVIOUS PROJECTS DONE AT HILO INTERNATIONAL AIRPORT. THE BORING LOGS INDICATE THE APPROXIMATE SUB-SURFACE SOIL CONDITIONS ENCOUNTERED ONLY AT THOSE TIMES AND LOCATIONS WERE THE SOIL BORINGS WERE MADE. THE LATERAL EXTENTS OF THE GEOLOGICAL FORMATION AND SUB-SURFACE CONDITIONS ENCOUNTERED IN THESE BORINGS ARE CURRENTLY UNKNOWN AND MAY NOT REPRESENT THE SUB-SURFACE CONDITIONS AT OTHER TIMES AND OTHER LOCATIONS THROUGHOUT THE AIRPORT.

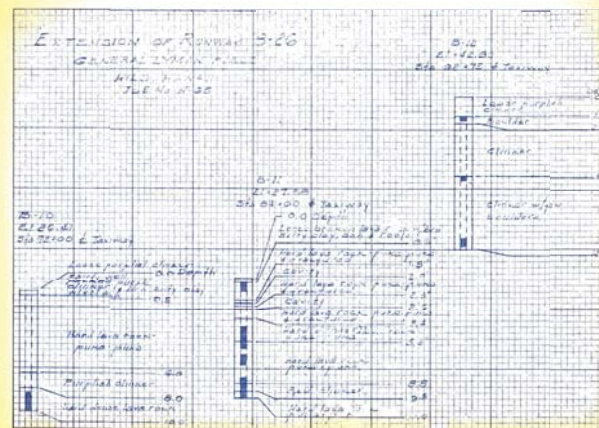
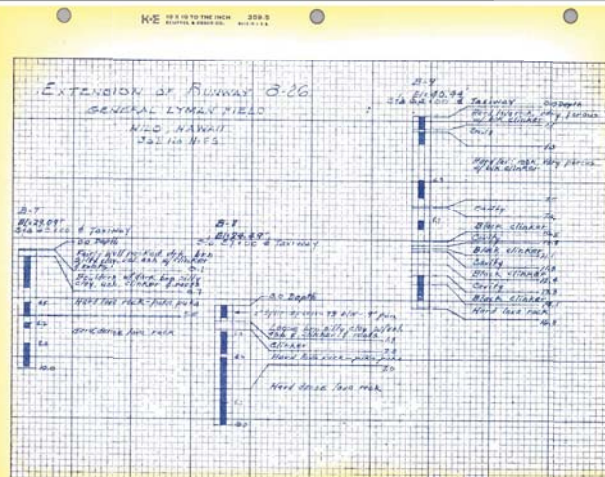
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DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

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ME OR UNDER MY SUPERVISION

DSGN.	DRWN.	CHKD.	APPD.
KB	GMP	TAC	TAC

KEY PLAN / NOTES:

NO.	DATE	REVISIONS



NO.	DATE	REVISIONS

PROJECT TITLE :

AIRFIELD
DRAINAGE
IMPROVEMENTS

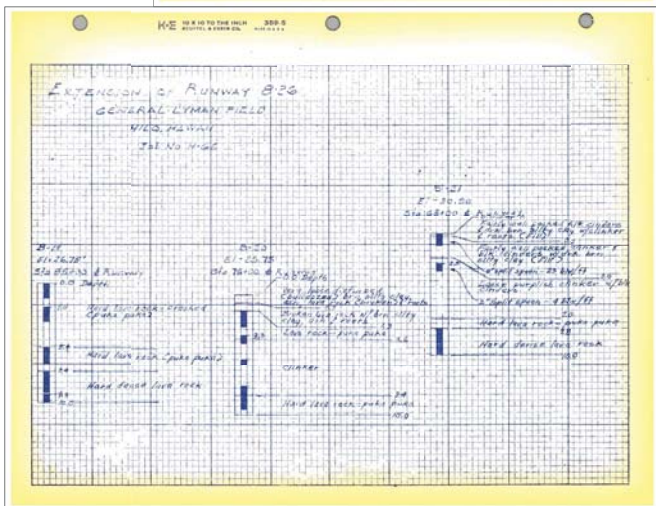
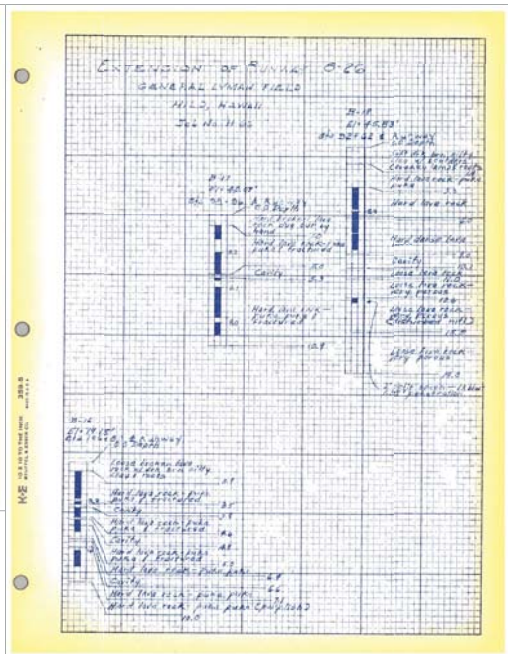
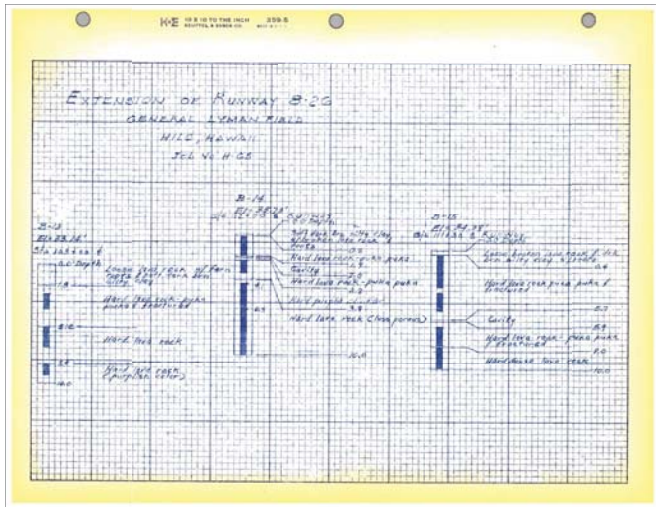
PROJECT NO.:

STATE PROJECT NO. AH1021-18

SHEET TITLE:

EXISTING BORING LOG DATA 2

DATE :	SHEET
JULY 29, 2016	117
DWG. NO. :	OF 119 SHEETS
B-2	



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

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DSGN.	DRWN.	CHKD.	APPD.
KB	GMP	TAC	TAC

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
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NO.	DATE	REVISIONS
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PROJECT TITLE :

AIRFIELD
DRAINAGE
IMPROVEMENTS

PROJECT NO.:

STATE PROJECT NO. AH1021-18

SHEET TITLE:

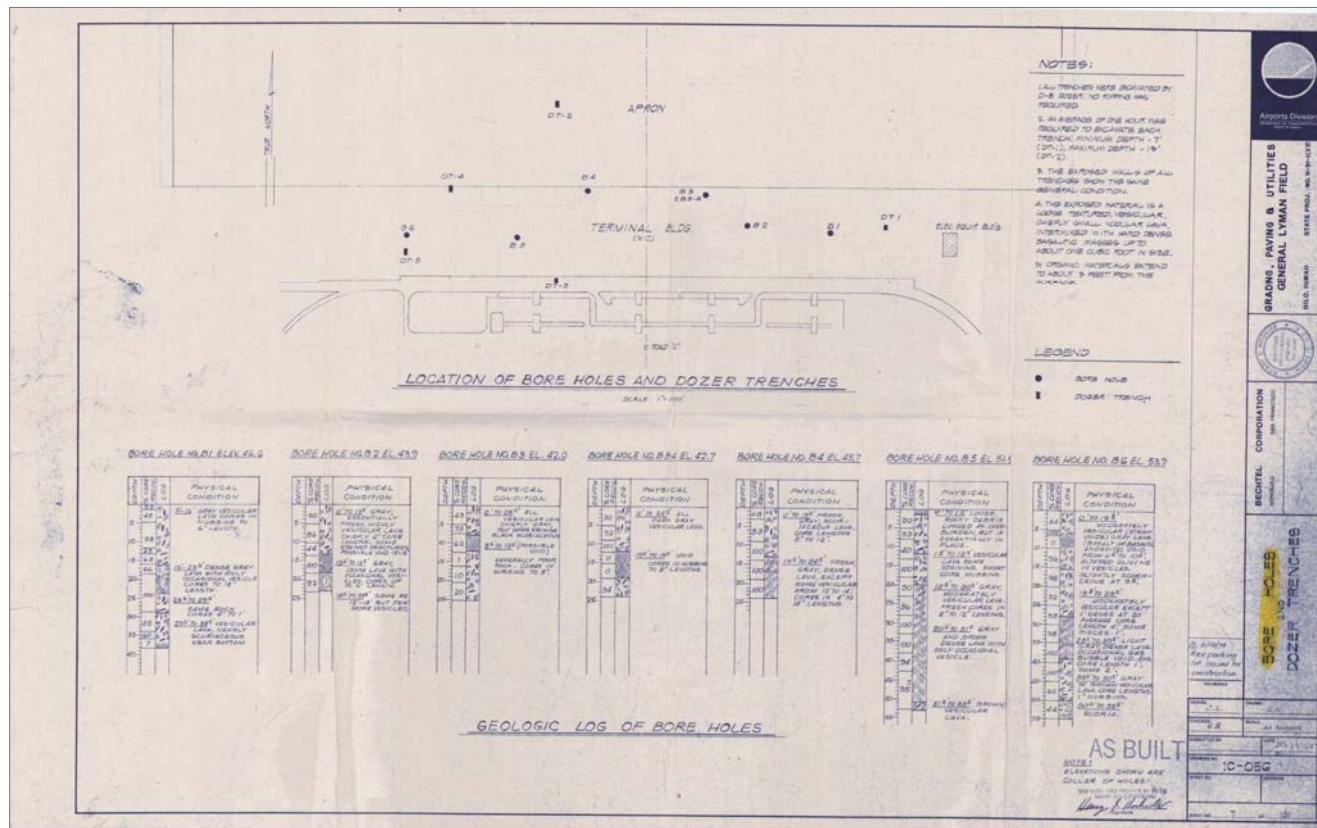
EXISTING BORING LOG DATA 3

DATE :	SHEET
JULY 29, 2016	118
DWG. NO. :	OF 119 SHEETS
B-3	

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EXPIRES 04/30/2018
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Signature

DSGN.	DRWN.	CHKD.	APPD.
KB	GMP	TAC	TAC

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
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NO.	DATE	REVISIONS
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PROJECT TITLE :

**AIRFIELD
DRAINAGE
IMPROVEMENTS**

AT
HILO INTERNATIONAL AIRPORT
HILO, HAWAII

PROJECT NO.:

STATE PROJECT NO. AH1021-18

SHEET TITLE:

EXISTING BORING LOG DATA 4

DATE :	SHEET
JULY 29, 2016	119
DWG. NO. :	OF 119 SHEETS
B-4	