



June 2, 2022

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Re: After-the-fact submittal to State Historic Preservation Division (SHPD),
HRS Chapter 6E-42 and Historic Preservation Covenant Review
HICRIS No. 2022PR00692

- Dreamhouse (Former Facility 77 Mess Hall), Parcel 03, TMK No. 9-1-013: 128
- Building 152 (Quonset Hut), Parcel 10, TMK No. 9-1-013: 097
- Buildings 476-477 (warehouses), Parcel 15, TMK No. 9-1-013: 081

Dear Mary,

MASON has reviewed Kalaeloa Ventures and Hunt Communities' completed renovations of the four buildings listed above located on three parcels at Kalaeloa, Oahu, Hawaii. We have completed an 'after-the-fact' evaluation of effects per HAR §13-284-7, as well as per the covenant requirements placed on the properties as part of the land transfer to Kalaeloa Ventures, LLC, by the United States Department of the Navy as recorded in the Quitclaim Deed dated December 19, 2017. We evaluated whether renovations made were consistent with the Secretary of the Interior's Standards (SOIS) for the Treatment of Historic Properties.

Our effort entailed a November 2021 site visit, review of 2014 survey materials (inventory form and photographs), and review of the drawings for the completed work. We are providing the attached documents:

- Enclosure A provides comparative photographs for each site.
- Enclosure B includes the 2015 inventory forms previously prepared for the subject buildings. (Note that the form for Fac. 77 focuses on the BOQ building, not the mess hall, but does cover both structures. At the time of the survey, and when built, they were considered the same facility and called "BOQ and Mess." The mess hall's significance was the same as the BOQ since they were the same facility.)
- Enclosure C is the Historic Covenant Quitclaim Deed "Exhibit O" Historic Buildings.
- Enclosure D is the historic covenant
- Enclosure E is the *Secretary of the Interior's Standards (SOIS) for the Treatment of Historic Properties for Rehabilitation* (Department of Interior regulations, 36 CFR 67).
- Project drawings for each site are also being submitted to SHPD as part of this review package.

Our evaluation findings are summarized below.

EXHIBIT 13



DREAMHOUSE (Former Fac. 77 Mess Hall)

Identification and Inventory of Historic Properties (HAR §13-284-5)

As a building built in 1958, this former Bachelor Officers Quarters (BOQ) Mess Hall is considered a historic property since it is older than 50 years in age.

Evaluation of Significance (HAR §13-284-6) and Integrity

As recorded in the Quitclaim Deed Exhibit O (Historic Buildings), this building is a significant historic property. In a 2015 study titled *Historic Context and Section 110 Eligibility Assessment Forms for Former Naval Air Station Barbers Point Fee Conveyance of Leased Parcels 1-16*, MASON evaluated this building as a historically significant property meeting National Register of Historic Places (NRHP) Criteria A and C. Note the evaluation/survey form focused on the adjoining, primary Bachelor Officer Quarters facility, Fac. 77, not the mess hall, but the two buildings worked together as one unit. Further, the building is also evaluated by MASON today as significant under HAR §13-284-6 Criteria "a" and "c". This significance is based on its function as housing support for personnel assigned to the Pacific Barrier program, a Cold War era program at former Naval Air Station Barbers Point (NASBP) that operated aircraft patrols above the Pacific Ocean which formed an early warning radar picket to detect a possible Soviet attack on the United States.

Work Performed

Dreamhouse Renovations: Exterior work performed at Building 77 included alterations to the front façade, and modifications to doors and fenestration in select areas. At the façade, the five-bay fenestration layout was altered. The building entrance was moved into the center bay of the facade. The former entrance bay was partly infilled with a fixed panel and three windows, and the original steps were removed. The southernmost bay was completely infilled; all windows were removed. The new central entrance is smaller than original and has a new stair with an aluminum rail with glazing that is not historically appropriate. New windows with blue/green tinting were installed. Rain chains were added. The frames of historically inappropriate shade awnings were removed. On the interior, the layout was reconfigured and finishes and materials were replaced throughout.

Determining effects to significant historic properties (HAR §13-284-7)

MASON proposes an "Effect, with proposed mitigation commitments" finding due primarily to the design changes made at the front facade. The effects are relatively minimal, however, in that the building is still able to convey its historical period, including its relationship to the adjoining former Bachelor Officers Quarters (BOQ). Further, the renovation successfully returned a building that had been abandoned for years to active use as a middle school. The work did not alter the overall massing and feel of the building, or the surrounding environment.

(Proposed) Mitigation (§13-284-8)

Mitigation for the effect on historic properties is proposed as a website that would provide students, residents of Wakea Garden Apartments, and visitors with the history and historical photographs of the buildings, NASBP and the Cold War era.



Historic Preservation Covenant

This property is subject to the Historic Preservation Covenants placed on the property as part of the land transfer by the U.S. Dept. of the Navy to Kalaeloa Ventures, LLC, recorded in the Quitclaim Deed of December 19, 2017.

We evaluated the completed building renovations and found that the changes are not fully consistent with the *Secretary of the Interior's Standards (SOIS) for the Treatment of Historic Properties for Rehabilitation* (Department of Interior regulations, 36 CFR 67). This is because some primary historic materials and features were altered or removed (i.e., infilling of a portion of the front façade wall, new windows, and new entrance).

Despite the changes made, the renovations were a successful example of adapting an unused, abandoned building for a new use. The renovation embodies Standard # 9, as "The new work [is] differentiated from the old and [is] compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment." Despite design changes that could have been implemented in a manner more in keeping with the SOIS, the property is still able to convey its historic period.

BUILDING 152 (Quonset Hut)

Identification and Inventory of Historic Properties (HAR §13-284-5)

This Quonset hut structure erected in 1943 is considered a historic property since it exceeds 50 years in age.

Alteration History: This building originated in 1943 as two Quonset huts used as warehouses, located side-by-side, and designated as Facility numbers 152 and 153 at the Naval Air Station Barber's Point (NASBP). By 1949, they had been joined together by a transverse addition, and functioned as a commissary. By 1951 the structures were assigned one facility number, Facility 152. In the 1950s or 60s, a third Quonset hut was added to the north hut's end, to double its length. In 1968, a commissary structure was built at the rear and connected to the Quonsets, but designated as a separate facility, Facility 1763. Today this rear, conjoined CMU building is considered a non-contributing component of the historic Quonset structure.

Evaluation of Significance (HAR §13-284-6) and Integrity

As recorded in the Quitclaim Deed Exhibit O (Historic Buildings), this building is a significant historic property. In a 2015 study titled *Historic Context and Section 110 Eligibility Assessment Forms for Former Naval Air Station Barbers Point Fee Conveyance of Leased Parcels 1-16*, this structure was evaluated by MASON as a historically significant property meeting National Register of Historic Places (NRHP) Criterion C. See Enclosure B - evaluation form prepared for this building as part of that study. The Quonsets are also presently evaluated as meeting HAR §13-284-6 Criterion "c" as a distinctive architectural form incorporating World War II-era Quonset huts, and as retaining sufficient integrity.



Work Performed

The recent exterior work performed at Building 152 included replacement of large-scale exterior doors and painting, and a new chain link fence. The replacement of one of the front façade's exterior doors enlarged the existing opening, although the other large-scale opening stayed the same. Interior upgrades included replacement of interior doors, and upgrades to lighting, A/C, fire alarm, sprinklers, electrical, and plumbing improvements, including the replacement of bathroom fixtures.

Determining effects to significant historic properties (HAR §13-284-7)

Although relatively minimal changes were made to the exterior character-defining features of the building, MASON proposes an "Effect, with proposed mitigation commitments" finding. This is because only a small amount of historic fabric was removed from the primary façade, with the vertical expansion of one of the front façade's large-scale openings facing Enterprise Avenue. Further both large-scale doors were removed and replaced. One of the new doors is the same size as the previous, although the other is notably taller.

However, these changes do not alter the overall massing and feel of the building, or the surrounding environment, or significantly change its historic character. The structure is still able to convey its historical period. The three Quonset hut forms are still intact, and the exterior of the building appears much as it did in 2014 when it was last surveyed and evaluated by MASON.

(Proposed) Mitigation (§13-284-8)

Architectural Recordation is proposed for mitigation in the form of a short form Historic American Building Survey (HABS), to include 5 large-format exterior photographs, and a written report that describes the building's evolution over time (starting as two side-by-side Quonset huts and expanding over the years to its current form).

Historic Preservation Covenant

This building is also subject to review per the Historic Preservation Covenants placed on the property as part of the land transfer by the U.S. Dept. of the Navy to Kalaeloa Ventures, LLC, recorded in the Quitclaim Deed of December 19, 2017.

We evaluated the completed renovations and determined that although there was and a loss of historic fabric, the changes are generally consistent with the *Secretary of the Interior's Standards (SOIS) for the Treatment of Historic Properties for Rehabilitation* (Department of Interior regulations, 36 CFR 67).

This is because the *SOIS for Rehabilitation* provide some leniency in changes to historic properties. The introduction to the *Standards* advises that, overall, they should "be applied to specific rehabilitation projects in a reasonable manner, taking into consideration economic and technical feasibility," and standard No.1 states that properties should be reused in a manner that "requires minimal change to the defining characteristics of the building..", which is interpreted to mean that some small degree of change is acceptable. Further, despite the changes made, the property is still able to convey its historic significance.



BUILDINGS 476/477 (Wood-frame warehouses)

Identification and Inventory of Historic Properties (HAR §13-284-5)

As buildings built in 1942, these former NASBP wood-frame storage buildings are considered historic properties since they are older than 50 years in age.

Evaluation of Significance (HAR §13-284-6) and Integrity

As recorded in the Quitclaim Deed Exhibit O (Historic Buildings), these buildings are significant historic properties. They meet HAR §13-284-6 Criteria a and c. Under Criterion a, they are significant for their association with the change in military storage practices on Oahu directly following the December 7, 1941 Japanese attack on Pearl Harbor. (The attack prompted the military to abandon plans to construct a centralized storage facility at NASBP in favor of smaller, dispersed storage buildings clusters. These particular buildings were part of "Unit 8," which was originally comprised of 11 such storage buildings.) They are also significant under Criterion c as World War II wood-frame storehouses. Hundreds of similar wood-frame storehouses were built during World War II throughout the Navy's Oahu installations, and relatively few remain today.

Work Performed

Most of the work performed was on the exterior envelope of the buildings to repair termite damage. This included the replacement of framing members, and replacement of exterior siding and roof materials. The corrugated roofing was replaced in-kind on both buildings. The corrugated metal siding material of Building 476 was replaced with wood siding. The wood siding material of Building 477 was repaired in kind with wood. Significant work occurred to repair/re-construct the large-scale, wood-frame sliding cargo doors.

The work took place at the buildings under two separate projects. The work undertaken on Building 477 occurred in 2017. The work undertaken on Building 476 occurred in 2019.

Determining effects to significant historic properties (HAR §13-284-7)

MASON proposes a "No historic properties affected" finding. The repairs were undertaken in an historically appropriate manner.

Note that the corrugated metal siding material on Building 476 was replaced with wood in 2019. However, this change is considered historically appropriate. Both wood and corrugated metal were common/typical siding materials for temporary, wood-frame storehouse built during World War II. Due to material shortages during the war, wood and corrugated metal were frequently substituted for one another, based on availability. At the former NASBP, both materials were used as siding on the 8 storehouse Units. The wood siding of Building 476 now matches the wood siding of neighboring Building 477, which may reflect the original siding material for the grouping. (We couldn't definitively confirm the original siding material for either building, although corrugated metal is shown on original drawings.)



Not only was the work undertaken successfully in keeping with the original design and materials, but it returned two abandoned buildings to active use. The buildings still readily convey their historical period, including their relationship to one another, and as the last two remaining storehouses of the former NASBP "Unit 8" dispersed storage area.

(Proposed) Mitigation (§13-284-8)

No mitigation is recommended since MASON proposes a "No historic properties affected" finding for Buildings 476/477.

Our team is seeking SHPD's concurrence on the findings of effect and mitigation recommendations above.

Sincerely,

A handwritten signature in black ink that reads "Polly Tice".

Polly Tice
Principal and Research Section Director

Enclosures



Enclosure A

Comparative Photographs of former Building 77 Mess Hall 2014 and 2021



Fig. 1. (2014 Appearance.) When MASON last surveyed this building, it was abandoned. Windows and doors were boarded up, materials had been stripped, and it was covered in graffiti. Remnant frames of historically inappropriate shade awnings were attached above select doors and windows.



Fig. 2. (2021 Appearance.) The five-bay façade has been altered. The frames of historically inappropriate shade awnings were removed. The building entrance was moved into the center bay of the façade. The former entrance bay was partly infilled with a fixed panel as well as 3 windows, and the original steps were removed. The southernmost-bay was completely infilled; all windows were removed. The new central entrance is smaller than original, has a new stair with an aluminum rail with glazing. New windows with inappropriate blue/green tinting were installed.

Enclosure A

Comparative Photographs of former Building 77 Mess Hall 2014 and 2021



Fig. 3. (2014 Appearance.) Southwest corner.



Fig. 4. (2021 Appearance.) Southwest corner. New gutters surround the building, with historically inappropriate rain chains at intervals.

Enclosure A

Comparative Photographs of former Building 77 Mess Hall 2014 and 2021



Fig. 5. (2014 Appearance.) South side view. Windows and doors were boarded up. Flashing had been stripped from the eaves. Remnants of historically inappropriate shade awnings were over windows and doors. Original stair rails were intact.



Fig. 6 (2021 Appearance) South side view. New doors, windows, and handrails have been installed. Windows and doors are for the most part in keeping with the original fenestration pattern and openings, however one window opening was infilled. The blue-tinted glazing of the new windows is not historically appropriate. Original handrails have been removed and replaced. The historically inappropriate shade awning frames have been removed. Integrated gutters have been added at eaves, which was likely not original feature. Rain chains have been added at intervals, which are not historically appropriate.

Enclosure A

Comparative Photographs of former Building 77 Mess Hall 2014 and 2021



Fig. 7. (2014 Appearance.) Southeast corner.



Fig. 7. (2014 Appearance.) Southeast corner. Original handrail was removed and replaced with new.

Enclosure A

Comparative Photographs of former Building 77 Mess Hall 2014 and 2021



Fig. 8. (2014 Appearance.) Rear View, from within courtyard, with breezeway to former BOQ at right.



Fig. 9. (2021 Appearance.) Rear View, from within courtyard, with breezeway to former BOQ at right.

Enclosure A

Comparative Photographs of former Building 77 Mess Hall 2014 and 2021



Fig. 10. (2014 Appearance.) Rear View, from within courtyard, with breezeway to former BOQ at right. A historically inappropriate gazebo was in the courtyard at the time.



Fig. 11. (2021 Appearance.) Rear View, from within courtyard, with breezeway to former BOQ at right. The historically inappropriate gazebo has been removed. Air conditioning equipment has been added, new windows have been installed. The grounds have been landscaped.

Enclosure A
Comparative Photographs of Building 152



Fig. 1. (2014 Appearance.) View of Enterprise Avenue façade in 2014. Note the large-scale door at left is shorter than the door on the right and had been that way since at least 1965. (See Fig. 9)



Fig. 2. (2021 Appearance.) View of Enterprise Avenue façade in 2021. Note the large-scale door at left is now the same height as the door on the right, and a fenced enclosure has been added under Phase 1.

Enclosure A
Comparative Photographs of Building 152



Fig. 3. (2014 Appearance.) View of large-scale opening in 2014 that has since been expanded in height. The door shown here that was later removed and replaced was likely in place since the 1960s.



Fig. 4. (2021 Appearance.) View of Enterprise Avenue façade in 2021 showing fenced enclosure and the replacement (roll-up) door changes made in Phase 2. New door is taller in height than the historic period.

Enclosure A
Comparative Photographs of Building 152



Fig. 5. (2014 Appearance.) Door on right side that has been replaced. Height has been retained. This door was likely in place since the 1960s. See drawing in Fig. 9.



Fig. 6 (2021 Appearance) View of Enterprise Avenue façade in 2021 showing fenced enclosure and the replacement (roll-up) door, which is taller in height than the historic period door. (Phase 1)

Enclosure A
Comparative Photographs of Building 152



Fig. 7. (2014 Appearance.) View of character-defining window row, 2014.



Fig. 8. (2021 Appearance.) View of character-defining window today (unchanged).

Enclosure A
Comparative Photographs of Building 152

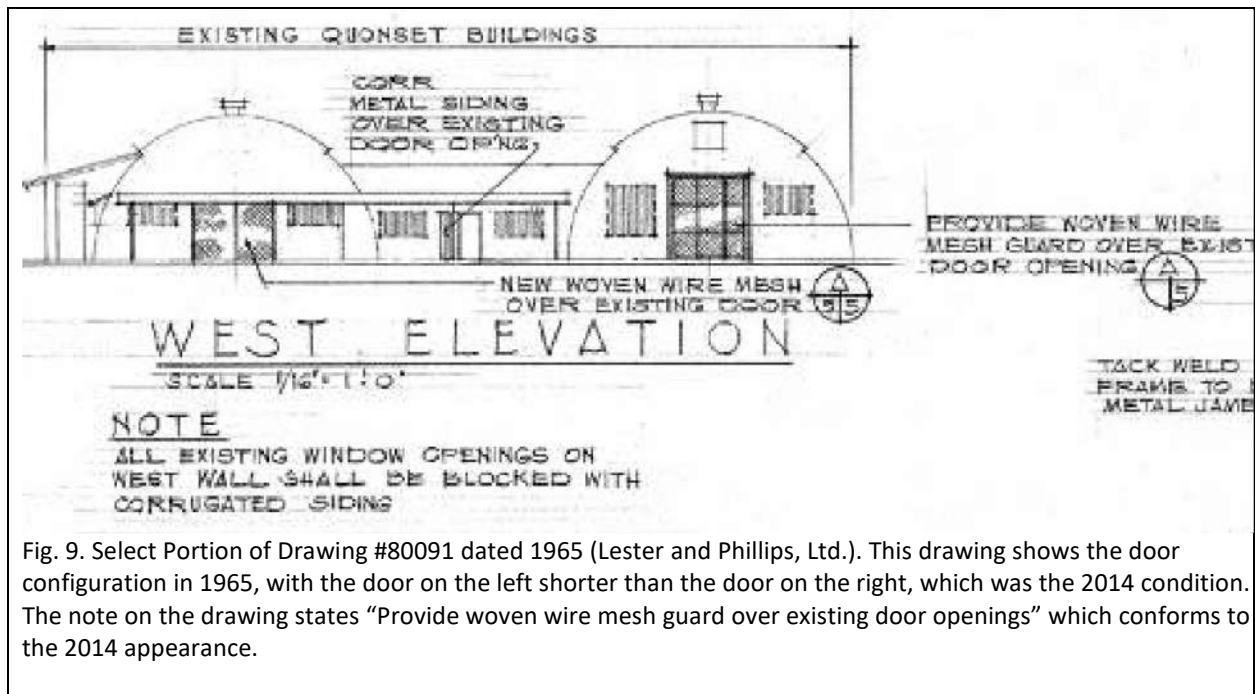


Fig. 9. Select Portion of Drawing #80091 dated 1965 (Lester and Phillips, Ltd.). This drawing shows the door configuration in 1965, with the door on the left shorter than the door on the right, which was the 2014 condition. The note on the drawing states "Provide woven wire mesh guard over existing door openings" which conforms to the 2014 appearance.

Enclosure A

Comparative Photographs of former Buildings 476 and 477 2014 and 2021



Fig. 1. Building 476, 2014 façade (view from Nassau Street). When MASON last surveyed this building in 2014, it was in poor condition, with extensive termite damage. The roof and siding material was corrugated metal.



Fig. 2. Building 476, 2021 façade (view from Nassau Street). Hunt undertook building repairs in 2019 in an historically appropriate manner. The corrugated siding was replaced with wood siding. While a different material, the wood boards are historically appropriate, since both corrugated metal and wood were used as siding material in the dispersed storage buildings built at NASBP during World War II. The corrugated metal roof was replaced in-kind. Large-scale doors were reconstructed in an historically appropriate manner.

Enclosure A

Comparative Photographs of former Buildings 476 and 477 2014 and 2021



Fig. 3. Building 476, appearance of south side in 2014, with corrugated siding.



Fig. 4. Building 476, 2021 appearance of south side in 2021. The corrugated metal siding was replaced with wood siding, which is a historically appropriate material.

Enclosure A

Comparative Photographs of former Buildings 476 and 477 2014 and 2021



Fig. 5. Building 476, appearance of north side in 2014, showing two sets of large-scale sliding doors. The pair in the foreground had been partly boarded up with plywood to cover damaged wood.



Fig. 6. Building 476, appearance of north side in 2021, showing two sets of large-scale sliding doors. The doors were repaired in an historically appropriate manner.

Enclosure A

Comparative Photographs of former Buildings 476 and 477 2014 and 2021



Fig. 7. Building 477, 2014 appearance. When MASON last surveyed this building in 2014, it was in very poor condition. It had extensive termite damage, with many sections of the building covered in plywood boards, and portion of the roof and eave on the Nassau (front) had collapsed. The building was sided with wood (unlike Building 476, which was originally sided with corrugated metal).



Fig. 8. Building 477, 2021 appearance. Historically appropriate repairs were made by the Navy in 2017.

Enclosure A

Comparative Photographs of former Buildings 476 and 477 2014 and 2021



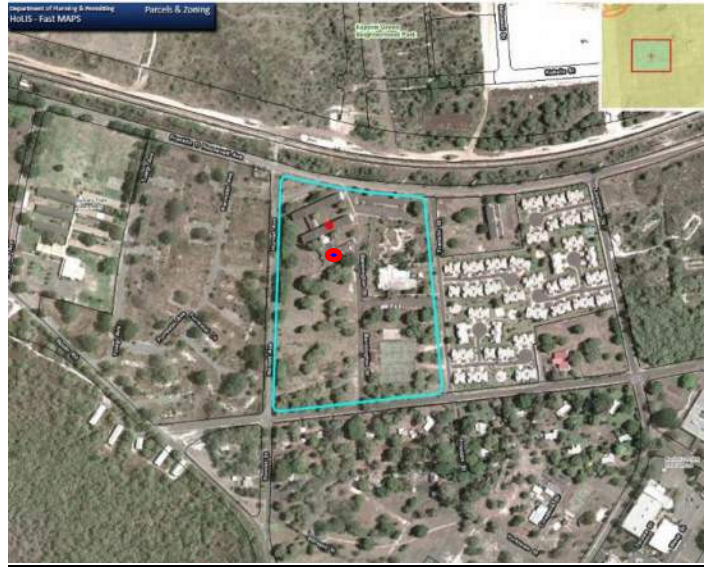
Fig. 9. Building 477, 2014 appearance of the rear, which faces Midway Avenue. Extensive termite damage had led to temporary plywood repairs.



Fig. 10. Building 477, 2021 appearance of the rear, which faces Midway Avenue. Extensive in-kind repairs were made by Hunt to return the building to its previous appearance.



Photograph



Location Map

IDENTIFICATION

- 1. Facility NFA ID: NFA 100001078371
- 2. Facility Name: BOQ-Mess
- 3. Area (PARCEL): 3
- 4. Historic Zone: _____
- 5. Tax Map Key: 9-1-013:011
- 6. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): Eligible

NAVY FACILITY ASSET DATA

- 7. PR Number: 260011
- 8. Year Built: 1958
- 9. Stories: 3
- 10. Irregular? _____
- 11. Length: 300'
- 12. Width: 320'
- 13. Height: 30'
- 14. Area: 98,173 sq. ft.

HISTORY, SIGNIFICANCE, ELIGIBILITY

- 15. Researched Year Built: _____ (if diff. from Navy Database) Source: NOy 8009/0889/56
Design Date: 1957 Source: NAVFAC plan files database, drawing # 774590, NASBP BOQ & Mess. March 19, 1957
- 16. Architect, Engineer, Overseer, or Construction Battalion (circle): Architect-Pereira & Luckman (Los Angeles, CA)
Noted for developing standardized Cold War barracks. Construction by Hawaiian Dredging Co.
- 17. Historic Names or Functions:
Original Use: BOQ-Mess & Officer's Mess Date/Source: 1963 Navy P-164 Inv. of Shore Facilities.
Subsequent Use: _____ Date/Source: _____
Subsequent Use: _____ Date/Source: _____
Subsequent Use: _____ Date/Source: _____
- 18. Year(s) of Major Renovations or Relocation: 2014
Explanation: _____
- 19. Other Documentary Sources (not listed above): See sources at end of form.

Section 110 Eligibility Assessment Forms
Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 77
FACILITY NAME: BOQ-Mess

20. Period (Check as many as applicable): Initial Base, WW I, Between Wars, WW II, CW
21. Associated Cold War Themes: C3I, Defense & Deterrence, Special Weapons, RDT&E, Educ. & Training, Materiel Prod., Logistics & Ops Support, Social Support
22. Associated Cold War Missions:
Mission Type/Period _____
Mission Type/Period _____
Specialized Equipment or Features Anticipated _____

23. NRHP Significance Criteria
 A (events), B (persons), C (* dist const type), D (archaeology), Criterion Consideration
Criterion Consideration G (or other) Explanation: _____

- (* distinctive type, period, or method of construction, work of a master, high artistic values, or distinguishable entity)
24. Area of Significance: Architecture, Engineering, Recreation, Military, Transportation
Other (explain) _____
Explanation of Significance: See significance section at end of form.
25. Integrity: Location, Design, Setting, Materials, Workmanship, Feeling, Association

Explanation of Integrity: Currently under construction. All doors, windows, interior fixtures and wiring were removed. Interior walls that formerly divided the bays on each floor into two suites were removed, leaving only the three floor levels and the interior walls that separate the building bays. Although this results in a loss of integrity, the overall form, massing and character defining features that remain support NRHP eligibility.

EXISTING HISTORIC ASSESSMENT DATA

26. A Cultural Resource Inventory of NASBP, O'ahu, Hawai'i; Part 1: Phase I Survey and Inventory Summary (1997) (Elig./Not Elig./Not Eval.): Not Evaluated
27. Cultural Resource Management Plan: Naval Air Station, Barbers Point (1999) (Elig./Not Elig./Not Eval.): Not Evaluated
28. Pre-ICRMP Status: Within the boundaries of PH NHL District: Yes No Unclear, close to boundary
 Listed individually on NR
 Determined Eligible as contributing resource to PH NHL
 Determined Eligible as contributing resource to an NR District District Name: _____
 Determined Eligible to NR as an individual resource
 Determined Ineligible to NR as an individual resource
Date of NHL/NR Listing or Determination: _____
 Evaluated as Eligible as contributing resource to PH NHL
 Evaluated as Eligible as contributing resource to an NR District District Name: _____
 Evaluated as Eligible to NR as an individual resource
 Evaluated as Ineligible to NR as an individual resource
 Not Evaluated
29. 2008 ICRMP Category: Not Evaluated
30. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): See Line #6

HABS/HAER DATA

31. HABS/HAER Number: _____ 32. Doc Accepted by NPS: _____ 33. Date Accepted by NPS: _____
34. HABS/HAER Comments:

OBSERVATIONS/COMMENTS

35. General Type: BOQ 36. Condition: Good
37. Character-defining historic features (to be retained and consulted on, if altered): Note exterior materials: roof shape, materials and features; doors and entry features; window type and materials; etc.
- Concrete construction.
 - Flat roof with overhanging eaves.
 - Window openings in bands, broken by narrow partitions at the building bays.
 - Cantilevered concrete canopies in bands above the window openings.
38. Other observations about the setting (e.g. does building have significant landscape or hardscape elements nearby, or is it part of a notable spatial grouping?)
39. Features that detract from the historic character: (if not any, note there are none)
- All windows and doors have been removed for replacement.
40. Major non-historic additions? If yes, describe below:
41. Comments:
- In 2014, Kalaeloa Joint Ventures submitted plans to SHPD for the rehabilitation of this building into apartment units. The project is currently (2014) under construction, and includes interior reconfigurations, the addition of exterior stairs, site improvements, and new windows. The windows will be installed in a pattern similar to the original, with the exception of painted recessed panels in the bathrooms for privacy. SHPD confirmed (in a letter dated 2/26/2014) that the project complies with the SOI Standards for Rehabilitation and does not jeopardize the building's significance or integrity.
 - See the ACHP's *Program Comment for Cold War Era Unaccompanied Personnel Housing (1946-1974)*, which provides the Department of Defense (DOD) with an alternative way to comply with their Section 106 responsibilities.
 - Evaluated by Mason Architects Inc. under a HART contract as Eligible for the NRHP in the 2008 Honolulu High Capacity Transit Survey

TREATMENT DECISION

42. Proposed Management Category (if applicable): _____ Date of Proposed Mgmt. Category _____
43. Research Form prepared by: Dee Ruzicka, Mason Architects, Inc. Honolulu, HI Date: Sept. 2015

NARRATIVE HISTORY, SIGNIFICANCE & SOURCES

This Bachelor Officers Quarters (BOQ) and Mess building was built in 1958 to house officers of the Pacific Barrier program, which became operational on July 1, 1958. The BOQ was designed to provide improved housing, and replaced temporary wooden H-shaped barracks built in the World War II era. The Pacific Barrier program operated aircraft patrols above the Pacific Ocean that formed an early warning radar picket to detect a possible Soviet attack on the United States. Aircraft were flown out of Midway Island, but the crews and the headquarters for the program were at Naval Air Station Barbers Point (NASBP). The Pacific Barrier program ended in 1965 when advancements in shore-based radar allowed it to detect incoming threats beyond the curvature of the earth.

Significance:

Building 77 is eligible for the NRHP under Criterion A for its association with the history of modern housing provided for the officers at the NASBP during the Cold War period. It is also eligible under Criterion C, for embodying the distinctive characteristics of a type and period of construction, which included an International-style design (horizontal bands of windows shaded by concrete canopies), and a barracks room-layout (shared bathroom between two bedrooms) that was representative of the 1950s period. Although the current 2014 construction project (see "comments" section, above) has removed the historic windows, doors, and many interior partitions, Facility 77 still retains a large measure of integrity that is evidenced in its remaining structure and massing. Essential physical elements remain visible that allow the building to retain the historic identity for which it is significant.

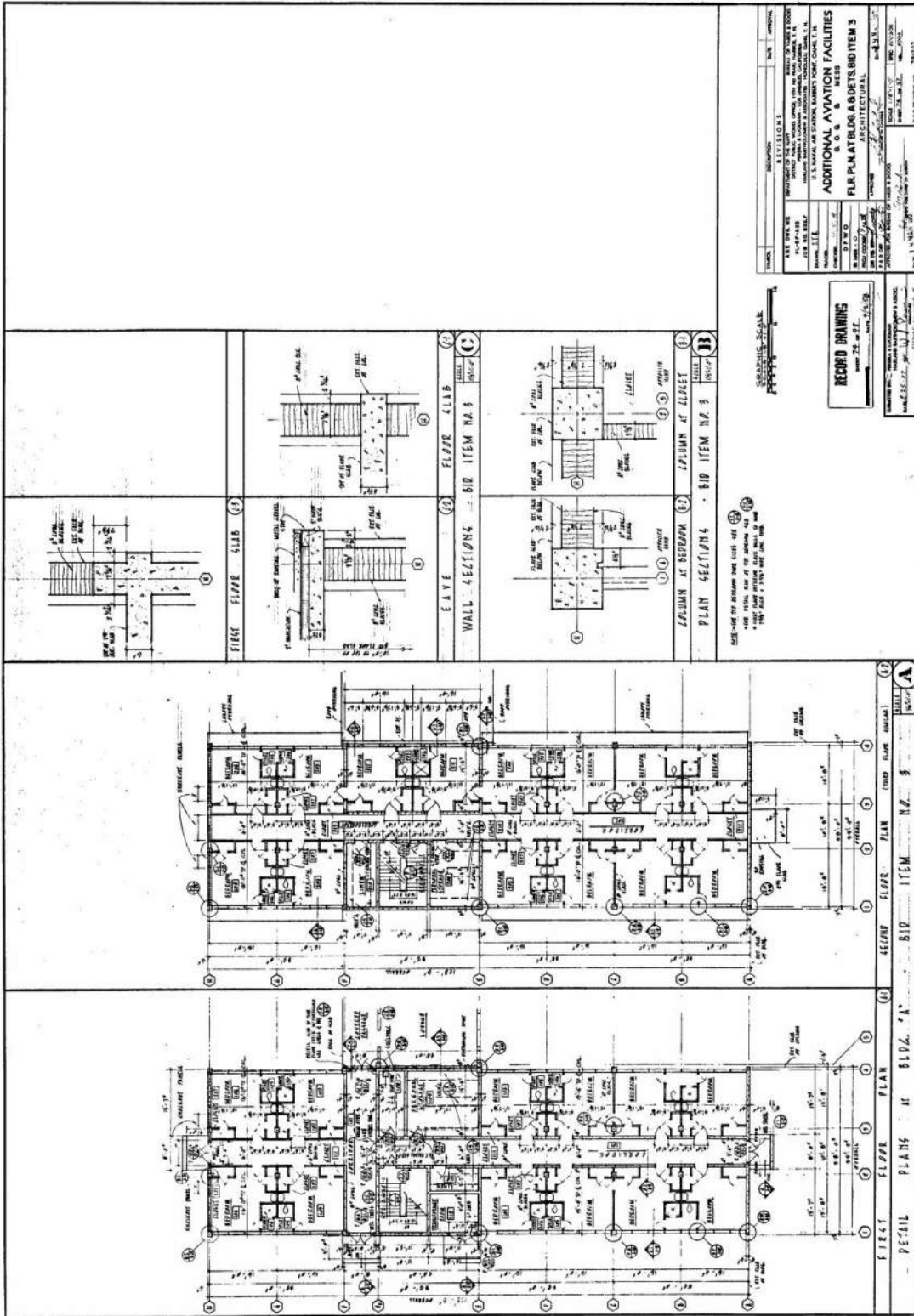
Sources:

- Bouchard, Capt. Joseph F. "Guarding the Cold War Ramparts, The U.S. Navy's Role in Continental Air Defense." *Naval War College Review*. Summer 1999.
- Bowfin Submarine Museum Archives. Aerial photograph of NASBP ca. 1963-1966. In folder "Handbook of Aerial Photographs of 14th ND—1963-1966." N.d. (ca. 1963-1966).
- Contractors Pacific Naval Air Bases (CPNAB). "Technical Report and Project History Contracts NOy 3550 and NOy 4173. n.d. (ca. 1946).
- Denfeld, Colt. "Appendix B. History of NAS & Cold War Facilities Survey." in Tuggle & Tuggle, *A Cultural Resources Inventory of Naval Air Station Barbers Point, Oahu, Hawaii; Part I: Phase I Survey and Inventory Summary*. International Archaeological Research Institute, Inc. 1997.
- Department of the Navy. "Detailed Inventory of Naval Shore Facilities, Real Property Data, P-164." 1963 and 1974.
- Department of the Navy. "NASBP General Development Map, 7900558." 1974.
- Department of the Navy, Commander Navy Region Hawaii. Letter to Dr. Alan Downer, Administrator, DLNR, SHPD, re: Proposed Rehabilitation of Building 77, Bachelor's Officer's Quarters on Navy Owned Land at Kalaeloa, Oahu, Hawaii (Former Naval Air Station Barbers Point, signed by Captain M.D. Williamson. April 1, 2014.
- Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1943, OA-N1-678."
- Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1949, OA-N1-1962."
- Fourteenth Naval District. [Map] "NASBP Showing conditions on 30 June 1951, OA-N1-2190" & "Building and Structure List, OA-N1-2167." 1951.
- Hawaii State Archives. "Aerial photo PPA-63-3, 2-16." November 18, 1952 and "Aerial photo PPA-50-2, 5047-4." September 17, 1969.
- International Archaeological Research Institute, Inc. "Cultural Resource Management Plan: Naval Air Station, Barbers Point." Prepared for Department of the Navy Pacific Division, Naval Facilities Engineering Command under contract with Belt Collins Hawaii. 1999.
- Mason Architects, Inc. "Honolulu High Capacity Transit Corridor Project - Surveyed Property Considered Eligible for National Register." 2008.
- NAVFAC Hawaii. Historic drawings for this facility are located in NAVFAC Hawaii plan files archives as electronic copies. Various dates.
- NAVFAC Hawaii EV5. Review Comments dated May 13, 2015 on draft assessment forms, provided to Mason Architects, Inc., on July 21, 2015 via email.
- Tuggle, David and M.J. Tomonari-Tuggle. "A Cultural Resource Inventory of Naval Air Station, Barbers Point, Oahu, Hawaii: Part I: Phase I Survey and Inventory Summary." Prepared for Belt Collins Hawaii. 1997.
- U.S. Navy, Bureau of Yards and Docks. Public Works of the Navy Data Book P-164. July 1945 Edition.
- Weitze, Karen J. *Keeping the Edge, Air Force Materiel Command Cold War Context (1945-1991) Volume II, Installations and Facilities*. Washington DC: US Department of Defense. 2003.
- Weitze, Karen J. Email correspondence with Ann Yoklavich, Mason Architects, Inc., and write-up regarding historic evaluation of Facility 77. April 23, 2008.

Appendix: Additional Information
 Section 110 Eligibility Assessment Forms
 Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 77
 FACILITY NAME: BOQ-Mess

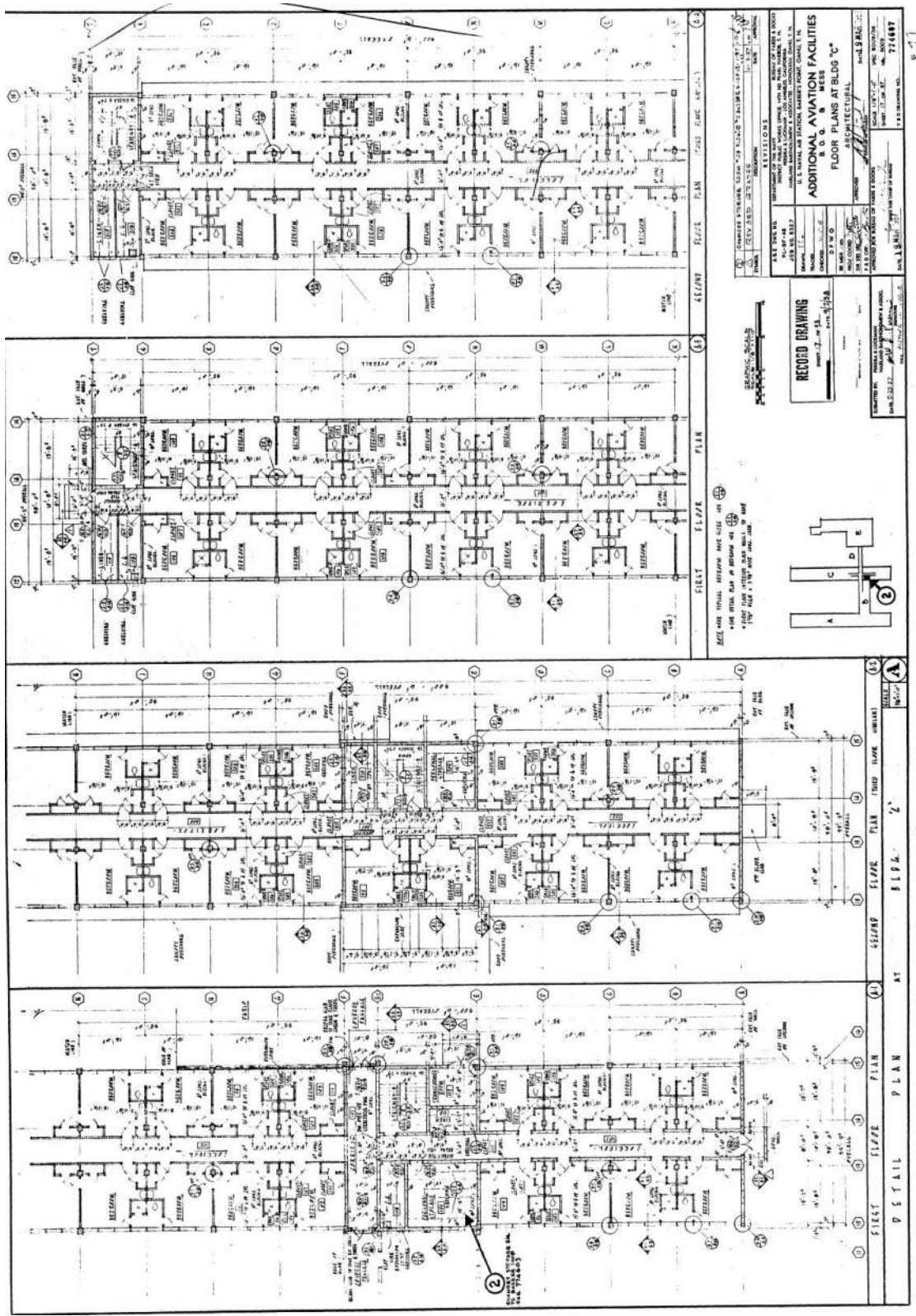


Drawing 781227 dated March 19, 1957.

Appendix: Additional Information
 Section 110 Eligibility Assessment Forms
 Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 77
 FACILITY NAME: BOQ-Mess

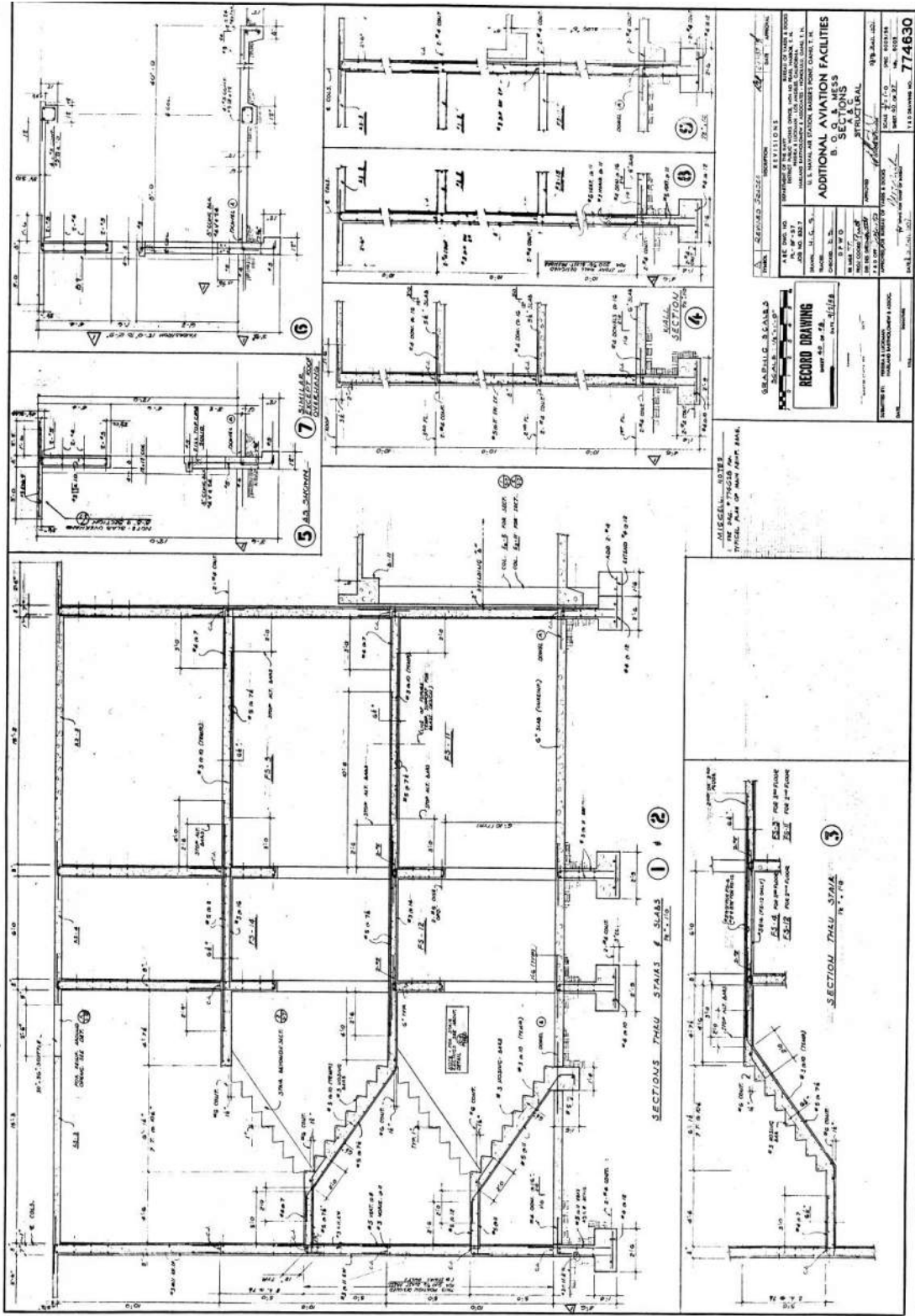


Drawing 774607 dated March 19, 1957.

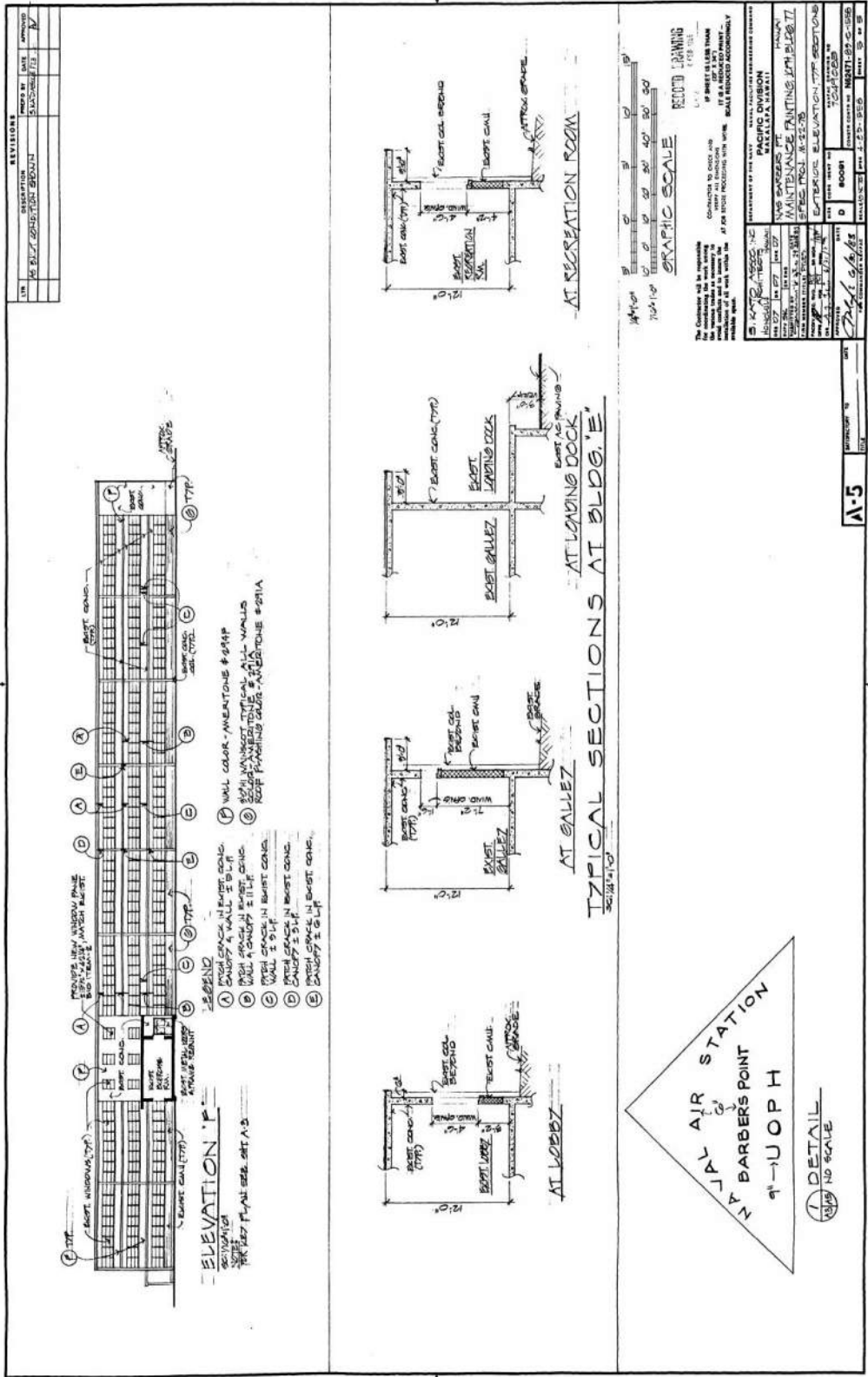
Appendix: Additional Information
 Section 110 Eligibility Assessment Forms
 Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 77
 FACILITY NAME: BOQ-Mess



Drawing 774630 dated March 19, 1957.



Drawing 7049085 dated June 30, 1983.



Photograph



Location Map

IDENTIFICATION

- 1. Facility NFA ID: NFA 100001078415
- 2. Facility Name: Commissary
- 3. Area (PARCEL): 10
- 4. Historic Zone: _____
- 5. Tax Map Key: 9-1-013:097
- 6. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): Eligible

NAVY FACILITY ASSET DATA

- 7. PR Number: 260015
- 8. Year Built: 1944
- 9. Stories: 1
- 10. Irregular? _____
- 11. Length: 298'
- 12. Width: 196'
- 13. Height: 20'
- 14. Area: 28,420 sq. ft.

HISTORY, SIGNIFICANCE, ELIGIBILITY

- 15. Researched Year Built: 1943 (if diff. from Navy Database) Source: 1943 map NASBP OA-N1-678
Design Date: _____ Source: _____
- 16. Architect, Engineer, Overseer, or Construction Battalion (circle): _____
Source: _____
- 17. Historic Names or Functions:
Original Use: Warehouse Date/Source: 1943 map NASBP OA-N1-678
Subsequent Use: Commissary Store Date/Source: 1951 map NASBP OA-N1-2167
Subsequent Use: _____ Date/Source: _____
Subsequent Use: _____ Date/Source: _____
- 18. Year(s) of Major Renovations or Relocation: _____
Explanation: _____
- 19. Other Documentary Sources (not listed above): See sources at end of form.

20. Period (Check as many as applicable): Initial Base, WW I, Between Wars, WW II, CW
21. Associated Cold War Themes: C3I, Defense & Deterrence, Special Weapons, RDT&E, Educ. & Training, Materiel Prod., Logistics & Ops Support, Social Support
22. Associated Cold War Missions:
Mission Type/Period _____
Mission Type/Period _____
Specialized Equipment or Features Anticipated _____
23. NRHP Significance Criteria
 A (events), B (persons), C (* dist const type), D (archaeology), Criterion Consideration
Criterion Consideration G (or other) Explanation: _____

(* distinctive type, period, or method of construction, work of a master, high artistic values, or distinguishable entity)
24. Area of Significance: Architecture, Engineering, Recreation, Military, Transportation
Other (explain) _____
Explanation of Significance: See significance section at end of form.
25. Integrity: Location, Design, Setting, Materials, Workmanship, Feeling, Association
Explanation of Integrity: Although these Quonset huts have undergone alterations, they retain important elements of Quonset construction that identifies them, such as arched form with oriented corrugated siding and stepped roof panels. They also retain historic sliding doors (now secured shut). Alterations are mostly additions which have not removed historic fabric, thus retaining sufficient measures of integrity of design, materials and workmanship of the original huts. The front two Quonsets are in their original location and the retention of the previously noted aspects of integrity of the three joined Quonsets along with their form, massing, and placement serve to convey significance and express their historic sense of the WW II period.

EXISTING HISTORIC ASSESSMENT DATA

26. A Cultural Resource Inventory of NASBP, O'ahu, Hawai'i; Part 1: Phase I Survey and Inventory Summary (1997)
(Elig./Not Elig./Not Eval.): Not Eligible
27. Cultural Resource Management Plan: Naval Air Station, Barbers Point (1999) (Elig./Not Elig./Not Eval.): Not Evaluated
28. Pre-ICRMP Status: Within the boundaries of PH NHL District: Yes No Unclear, close to boundary
 Listed individually on NR
 Determined Eligible as contributing resource to PH NHL
 Determined Eligible as contributing resource to an NR District District Name: _____
 Determined Eligible to NR as an individual resource
 Determined Ineligible to NR as an individual resource
Date of NHL/NR Listing or Determination: _____
 Evaluated as Eligible as contributing resource to PH NHL
 Evaluated as Eligible as contributing resource to an NR District District Name: _____
 Evaluated as Eligible to NR as an individual resource
 Evaluated as Ineligible to NR as an individual resource
 Not Evaluated
29. 2008 ICRMP Category: Not Evaluated
30. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): See Line #6

HABS/HAER DATA

31. HABS/HAER Number: _____ 32. Doc Accepted by NPS: _____ 33. Date Accepted by NPS: _____
34. HABS/HAER Comments:

OBSERVATIONS/COMMENTS

35. General Type: Commissary (100' x 40' Quonsets) 36. Condition: Good
37. Character-defining historic features (to be retained and consulted on, if altered): Note exterior materials: roof shape, materials and features; doors and entry features; window type and materials; etc.
- Quonset form, massing, dimensions, and exterior cladding.
 - Stepped, arched roof of transverse corrugated panels.
 - Side walls of horizontal corrugated panels.
 - End walls of vertical-oriented corrugated panels.
 - Sliding doors on interior overhead track.
38. Other observations about the setting (e.g. does building have significant landscape or hardscape elements nearby, or is it part of a notable spatial grouping?)
39. Features that detract from the historic character: (if not any, note there are none)
- Addition at west end joining the Quonsets. Facility 1763 added at rear. Large exhaust fans at west end walls.
40. Major non-historic additions? If yes, describe below:
- Addition at west end joining the Quonsets. Facility 1763 added at rear. Large exhaust fans at west end walls.
41. Comments:

TREATMENT DECISION

42. Proposed Management Category (if applicable): _____ Date of Proposed Mgmt. Category _____
43. Research Form prepared by: Dee Ruzicka, Mason Architects, Inc. Honolulu, HI Date: Sept. 2015

NARRATIVE HISTORY, SIGNIFICANCE & SOURCES

This commissary building complex was originally two 100' x 40' Quonset huts on the site that were used as warehouses. These original two structures are the Quonsets that face Enterprise Ave. They were erected prior to June 30, 1943, and were numbered Facilities 152 and 153. By June 30, 1949 these two Quonsets had been joined by a transverse addition along their Enterprise Ave. sides, and they were referred to as Subsistence Commissary (Fac. 152) and Subsistence Stores (Fac. 153). By June 1951 the two joined Quonsets were given one facility number, Facility 152, and referred to as a Commissary Store. The joined Quonsets remained in this configuration until at least November 18, 1952.

Sometime between November 1952 and February 6, 1968, the configuration of Facility 152 changed radically to the current form. This change included the addition of a third 100' x 40' Quonset longitudinally to the east end of the existing north hut. In February 1968, a gable-roofed building (Facility 1763) was built across the east end of this third hut.

Currently, Facility 152 consists of three, 100' x 40' Quonset huts, two huts joined end to end to form a 200' long section and one 100' x 40' hut parallel to the end-joined huts. This configuration of two and one huts are joined at their west ends by a transverse, flat roofed addition about 12' high that spans the approximate 30' distance between them.

Significance:

Facility 152 is significant under Criterion C for its distinctive architecture incorporating World War II Quonset huts. Although the original Quonset huts have undergone alterations which reduce their integrity, such as the transverse addition across the southwest façade, they still retain most of their essential physical features and aspects of integrity that readily identify them as Quonsets. They remain fully able to convey their significance as examples of this important World War II building type.

Sources:

Department of the Navy. "Detailed Inventory of Naval Shore Facilities, Real Property Data, P-164." 1963.

Department of the Navy. "NASBP General Development Map, 7900558." 1974.

Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1943, OA-N1-678."

Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1949, OA-N1-1962."

Fourteenth Naval District. [Map] "NASBP Showing conditions on 30 June 1951, OA-N1-2190" & "Building and Structure List, OA-N1-2167." 1951.

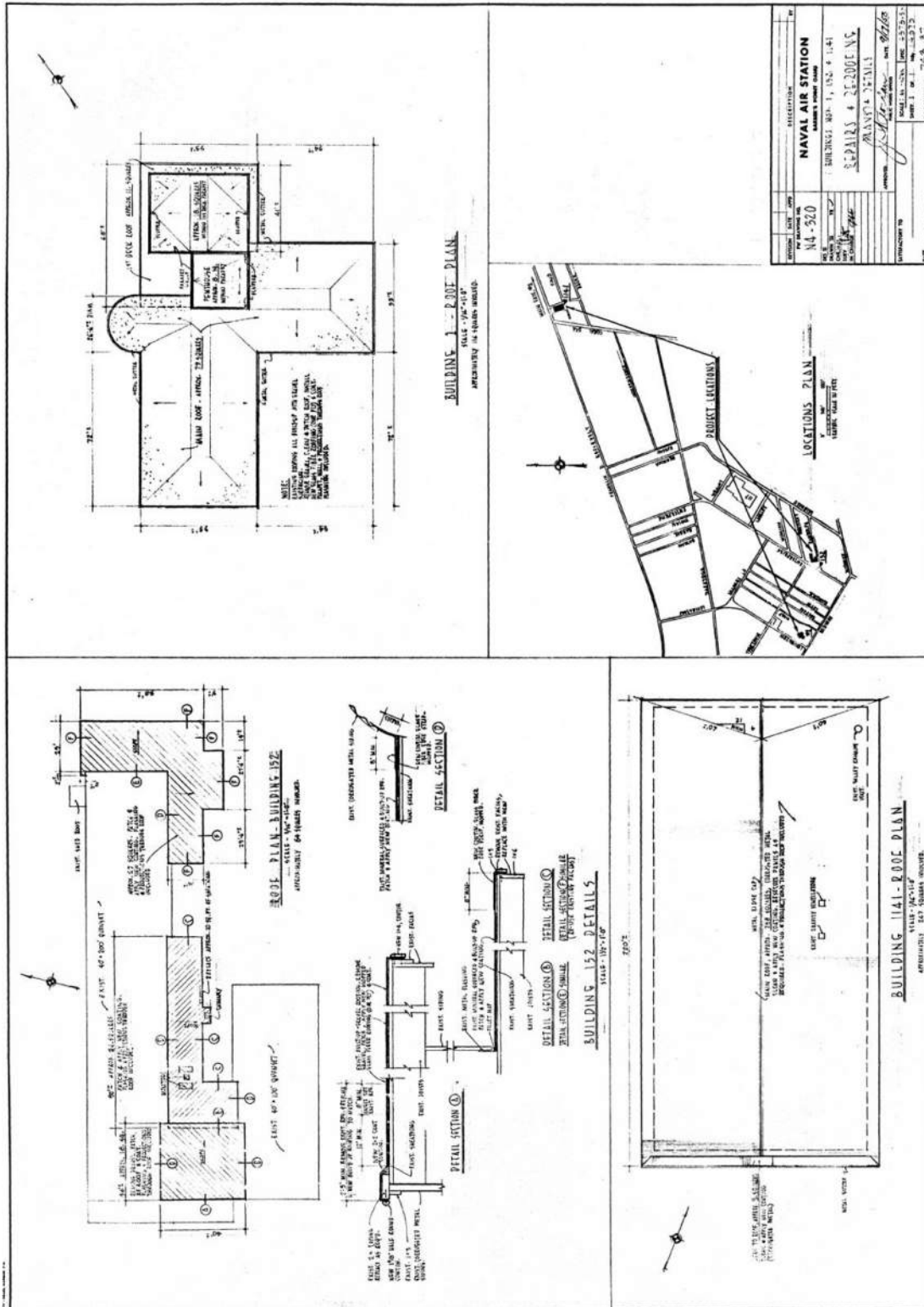
Hawaii State Archives. "Aerial photo PPA-63-3, 2-16," November 18, 1952 and "Aerial photo PPA-49-7, 7-1," February 6, 1968, and "Aerial photo PPA-50-2, 5047-4," September 17, 1969.

International Archaeological Research Institute, Inc. "Cultural Resource Management Plan: Naval Air Station, Barbers Point." Prepared for Department of the Navy Pacific Division, Naval Facilities Engineering Command under contract with Belt Collins Hawaii. 1999.

NAVFAC Hawaii. Historic drawings for this facility are located in NAVFAC Hawaii plan files archives as electronic copies. Various dates.

Tuggle, David and M.J. Tomonari-Tuggle. "A Cultural Resource Inventory of Naval Air Station, Barbers Point, Oahu, Hawaii: Part I: Phase I Survey and Inventory Summary." Prepared for Belt Collins Hawaii. 1997.

U.S. Navy. Facility Asset Data Cards. 2014.

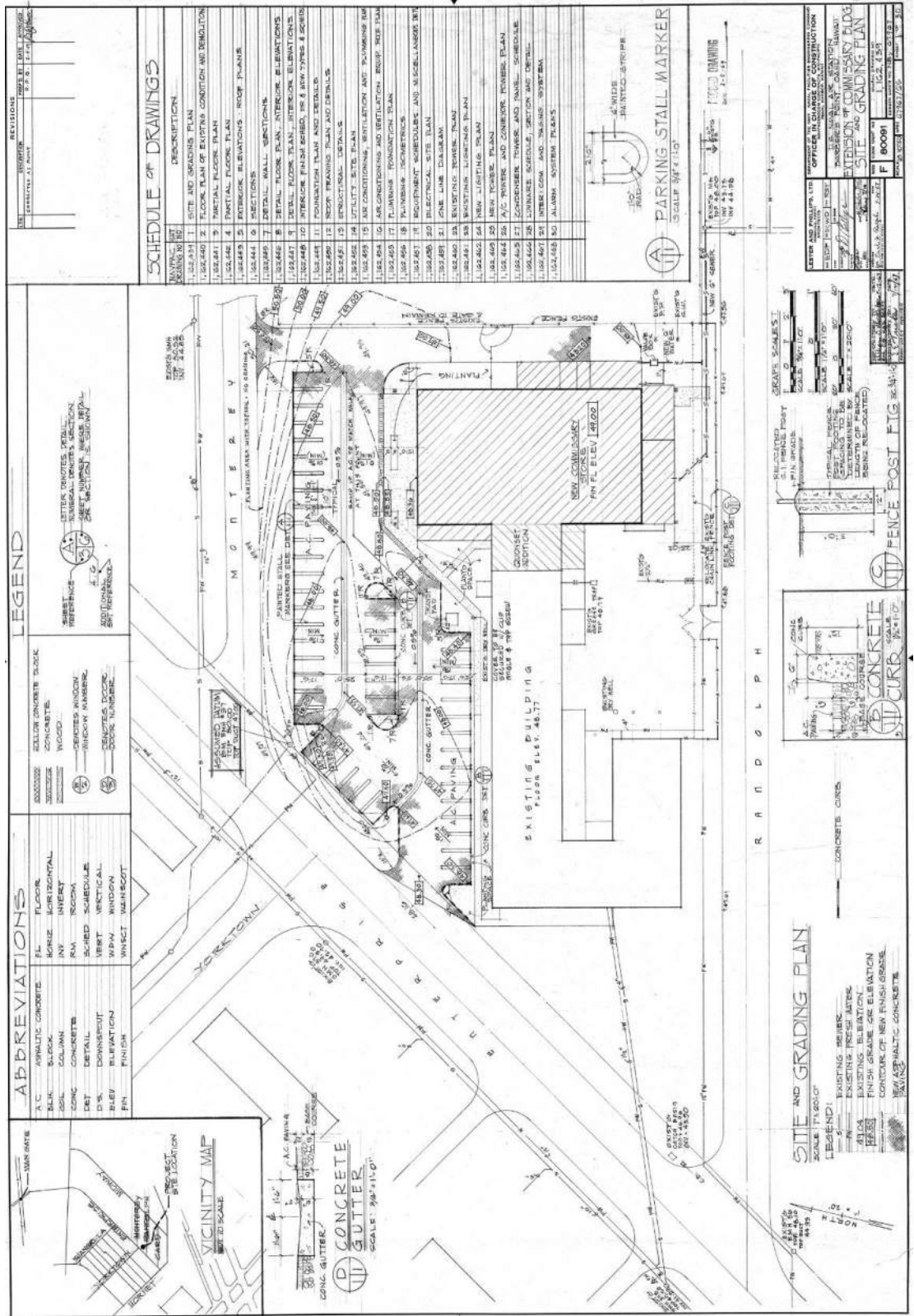


Drawing 743137 dated September 17, 1958.

Appendix: Additional Information
 Section 110 Eligibility Assessment Forms
 Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 152
 FACILITY NAME: Commissary

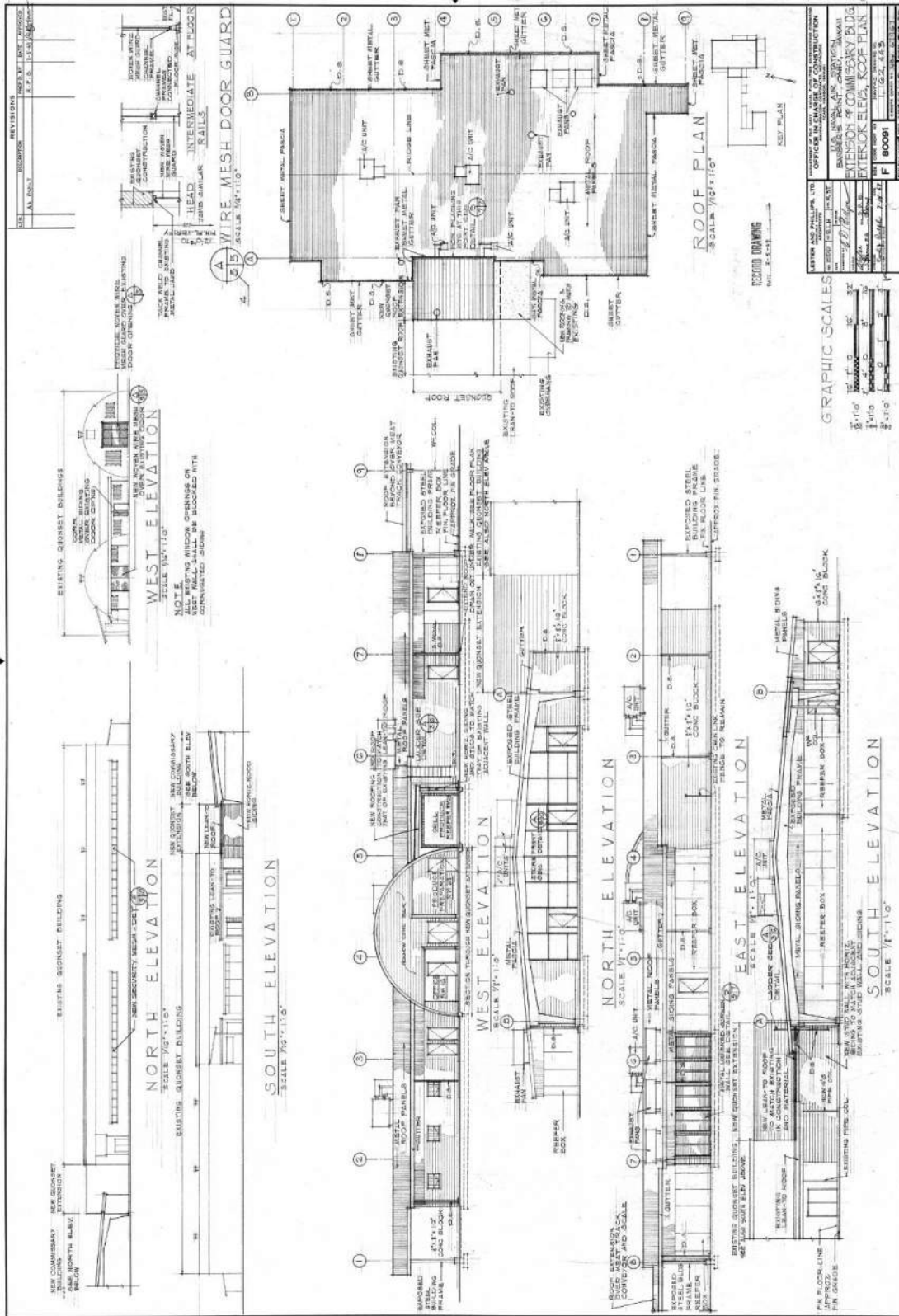


Drawing 1162439 dated July 14, 1967.

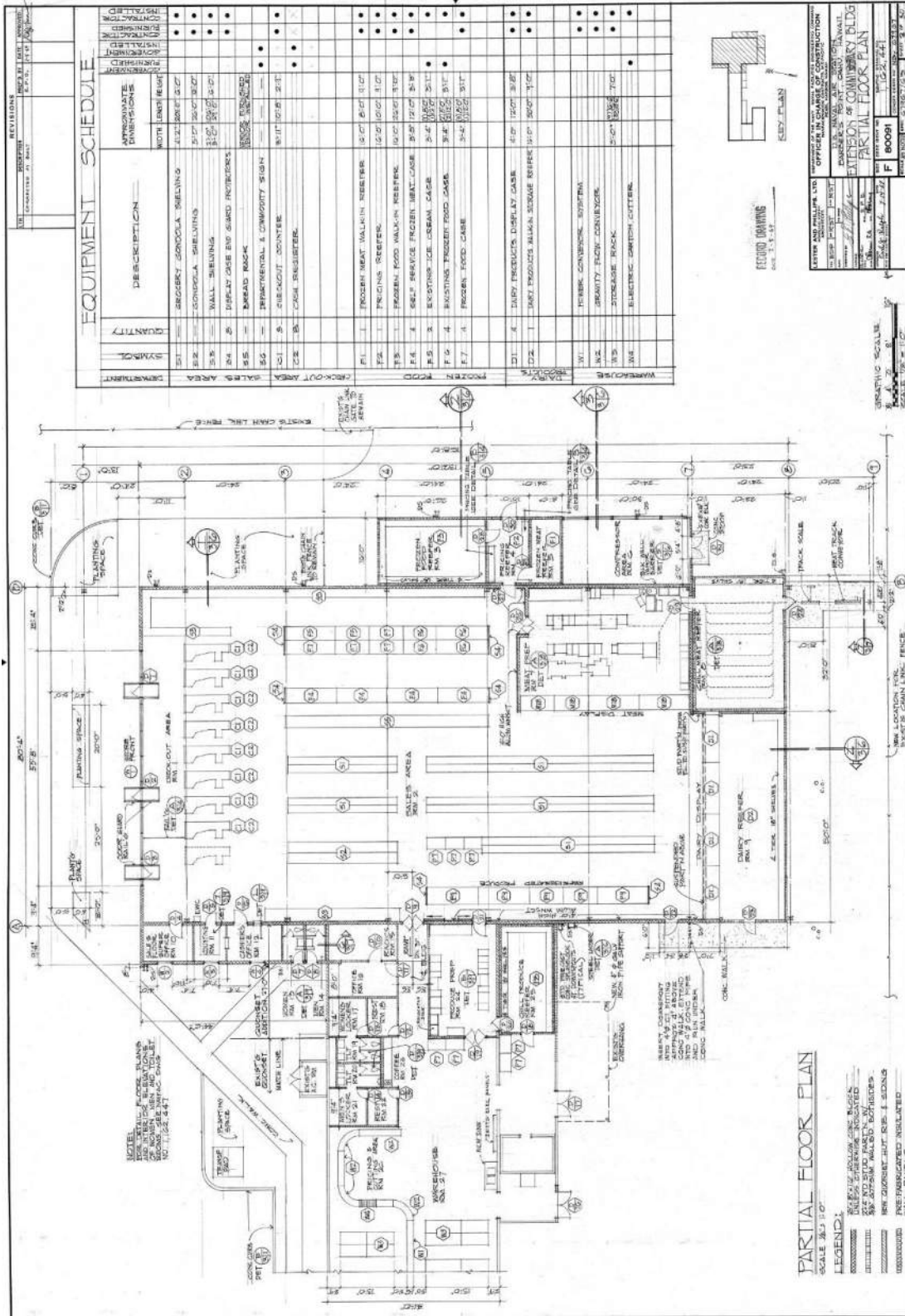
Appendix: Additional Information
 Section 110 Eligibility Assessment Forms
 Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 152
 FACILITY NAME: Commissary



Drawing 1162443 dated July 14, 1967.

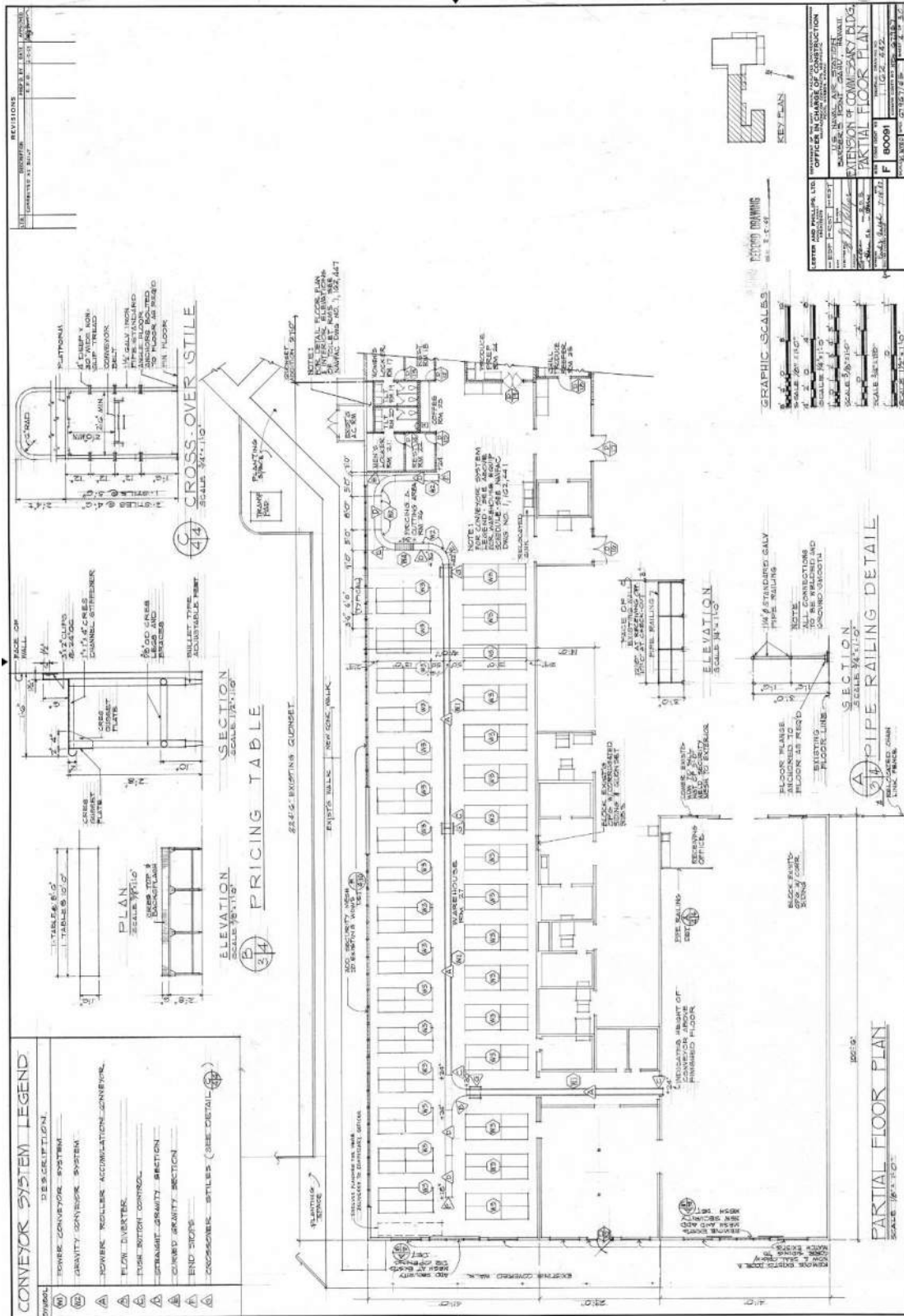


Drawing 1162441 dated July 14, 1967.

Appendix: Additional Information
 Section 110 Eligibility Assessment Forms
 Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 152
 FACILITY NAME: Commissary



Drawing 1162442 dated July 14, 1967.



Photograph



Location Map

IDENTIFICATION

- 1. Facility NFA ID: NFA 100001078442
- 2. Facility Name: Storage Facility
- 3. Area (PARCEL): 15
- 4. Historic Zone: Not within a Historic Zone
- 5. Tax Map Key: 9-1-013:081
- 6. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): Eligible

NAVY FACILITY ASSET DATA

- 7. PR Number: 260017
- 8. Year Built: 1943
- 9. Stories: 1
- 10. Irregular?
- 11. Length: 120'
- 12. Width: 31'
- 13. Height: 18'
- 14. Area: 3,720 sq. ft.

HISTORY, SIGNIFICANCE, ELIGIBILITY

- 15. Researched Year Built: 1942 (if diff. from Navy Database) Source: 1945 Navy P-164 Public Wks. Data Bk
Design Date: _____ Source: _____
- 16. Architect, Engineer, Overseer, or Construction Battalion (circle): CPNAB – builder. Design - 14th Naval District.
Source: Contractors Pacific Naval Air Bases n.d (ca. 1946), p. A-340. Original drawings NAVFAC Hawaii.
- 17. Historic Names or Functions:
Original Use: General Stores Bldg No. 8D Date/Source: 1943 map NASBP OA-N1-678
Subsequent Use: _____ Date/Source: _____
Subsequent Use: _____ Date/Source: _____
Subsequent Use: _____ Date/Source: _____
- 18. Year(s) of Major Renovations or Relocation: _____
Explanation: _____
- 19. Other Documentary Sources (not listed above): See sources at end of form.

20. Period (Check as many as applicable): Initial Base, WW I, Between Wars, WW II, CW
21. Associated Cold War Themes: C3I, Defense & Deterrence, Special Weapons, RDT&E, Educ. & Training, Materiel Prod., Logistics & Ops Support, Social Support
22. Associated Cold War Missions:
Mission Type/Period _____
Mission Type/Period _____
Specialized Equipment or Features Anticipated _____
23. NRHP Significance Criteria
 A (events), B (persons), C (* dist const type), D (archaeology), Criterion Consideration
Criterion Consideration G (or other) Explanation: _____

(* distinctive type, period, or method of construction, work of a master, high artistic values, or distinguishable entity)
24. Area of Significance: Architecture, Engineering, Recreation, Military, Transportation
Other (explain) _____
Explanation of Significance: See significance section at end of form.
25. Integrity: Location, Design, Setting, Materials, Workmanship, Feeling, Association
Explanation of Integrity: _____

EXISTING HISTORIC ASSESSMENT DATA

26. A Cultural Resource Inventory of NASBP, O'ahu, Hawai'i; Part 1: Phase I Survey and Inventory Summary (1997) (Elig./Not Elig./Not Eval.): Not Eligible
27. Cultural Resource Management Plan: Naval Air Station, Barbers Point (1999) (Elig./Not Elig./Not Eval.): Not Evaluated
Subsequent Categorization, per NAVFAC Hawaii EV5: Category II (Rare WWII facility type due to earlier WWII Temporary building demolition initiatives)
28. Pre-ICRMP Status: Within the boundaries of PH NHL District: Yes No Unclear, close to boundary
 Listed individually on NR
 Determined Eligible as contributing resource to PH NHL
 Determined Eligible as contributing resource to an NR District District Name: _____
 Determined Eligible to NR as an individual resource
 Determined Ineligible to NR as an individual resource
Date of NHL/NR Listing or Determination: _____
 Evaluated as Eligible as contributing resource to PH NHL
 Evaluated as Eligible as contributing resource to an NR District District Name: _____
 Evaluated as Eligible to NR as an individual resource
 Evaluated as Ineligible to NR as an individual resource
 Not Evaluated
29. 2008 ICRMP Category: Not Evaluated
30. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): See Line #6

HABS/HAER DATA

31. HABS/HAER Number: HABS HI-279-T 32. Doc Accepted by NPS: Yes 33. Date Accepted by NPS: C. 1996
34. HABS/HAER Comments: Library of Congress has posted only the HABS photos on their website as of 2014.

OBSERVATIONS/COMMENTS

35. General Type: World War II Dispersed Storage Facility 36. Condition: Fair
37. Character-defining historic features (to be retained and consulted on, if altered): Note exterior materials: roof shape, materials and features; doors and entry features; window type and materials; etc.
- Gable roof.
 - Surface mounted sliding doors for cargo.
 - 120' length and 30' width.
 - Small screened vents at eaves.
 - Louver vents at gable ends.
38. Other observations about the setting (e.g. does building have significant landscape or hardscape elements nearby, or is it part of a notable spatial grouping?)
- Associated with adjacent storage Facility 477.
39. Features that detract from the historic character: (if not any, note there are none)
- Plywood-repaired cargo doors.
40. Major non-historic additions? If yes, describe below:
41. Comments:
- Evaluated by Mason Architects Inc. under a HART contract as Eligible for the NRHP in the 2008 Honolulu High Capacity Transit Survey.
 - Due to previous demolitions, this facility is considered a rare remaining example of this facility type. There were groups of these facilities constructed for material storage needs of the initial base. Most other similar type storage facilities except for Facility 476 and 477 were demolished leading up to BRAC.

TREATMENT DECISION

42. Proposed Management Category (if applicable): _____ Date of Proposed Mgmt. Category _____
43. Research Form prepared by: Dee Ruzicka, Mason Architects, Inc. Honolulu, HI Date: Sept. 2015.

NARRATIVE HISTORY, SIGNIFICANCE & SOURCES

This storage building has a listed date of construction of 1942 in the Navy Public Works Data Book P-164 July 1945 edition. It was constructed by CPNAB contractors prior to the completion of their work at NASBP on May 7, 1943, when work at NASBP was turned over to Naval Construction Battalions (SeaBees or CBs). CPNAB records give December 1942 as the completion date for this building. Early maps show this facility type was part of the initial base construction; there were groups of these facilities constructed for material storage needs of the initial base. Except for Facility 476 and 477, most of the other similar type storage facilities have been demolished.

The construction of the group of storage buildings, including this facility, was a direct result of the December 7, 1941 attack by the Japanese on Pearl Harbor. Before that date, the plan for storage at NASBP had been to construct a single, three-story concrete

warehouse with footprint dimensions of 180' x 360'. Instead, the attack prompted the military to re-evaluate its policy of building central storehouses to instead favor dispersed storage sites. This resulted in the construction (at NASBP) of eight scattered groupings (Units) of storehouses, with each group containing between nine and fifteen buildings.

This building, as well as the others in the eight Units, were a locally designed storehouse type used in the build-up of NASBP and adjacent Ewa Field. Most buildings in the Units were similar to Facility 476, with light, temporary construction, on concrete slabs, and wood-framed with either wood or corrugated metal siding. They were typically 28' to 30' wide, and up to 100' to 128' long. Some of the storehouse Units included smaller, concrete storage buildings measuring 16' x 16', which were used for the storage of flammable items.

Facility 476 was one of the eleven storage buildings in Unit 8, which was centered at Nassau and Midway Avenues. Facility 476 was originally designated as Building 8D of buildings A thru K at Unit 8. It is called out on a 1943 map of NASBP and in the 1945 P-164 Navy Data Book as a general stores warehouse.

Some storage buildings within the Units stored parts for aircraft; each Unit had a building designated for propellers, one designated for engine stores, and one for structure stores. Six of the other seven dispersed storage areas/Units at NASBP were centered north of Saratoga Avenue, west of Unit 8. The remaining unit (Unit 1) was located about 0.8 mile south of Unit 8, near the northeast end of the runway.

The eight storage facility Units remained mostly intact until at least late November 1952, as shown by aerial photographs. Ca. 1953 construction of Wherry Program housing and the ca. 1963 construction of the Barbers Point Elementary School west of Hornet Avenue removed most of the buildings of Units 2, 3, 4, and 5. About six storehouses that were located south of Saratoga Avenue remained. By the mid-1960s the buildings at Unit 1 had been removed. Also by the mid-1960s Unit 6 (just east of Lexington Avenue) retained all of its nine large storehouses, while Unit 7 (just west of Enterprise Avenue) retained nine of its original thirteen large storage buildings. By that date Unit 8 retained only five of its original nine large buildings; the four buildings east of Nassau Avenue had been removed. By 1974 the only remaining buildings at Unit 8 were Facility Nos. 476 and 477.

Significance:

This 1942 storage building is significant under Criterion A for its association with the change in military storage practices on Oahu directly following the December 7, 1941 Japanese attack on Pearl Harbor. The attack prompted the military to abandon plans to construct a centralized storage facility at NASBP in favor of smaller, dispersed storage buildings such as Facility 476. It is also significant under Criterion C as a World War II wood storehouse. Hundreds of similar wood storehouses were built during World War II throughout the Navy's Oahu installations, and relatively few remain today.

Sources:

Contractors Pacific Naval Air Bases (CPNAB). "Technical Report and Project History Contracts NOy 3550 and NOy 4173." n.d. (ca. 1946).

Bowfin Submarine Museum Archives. Aerial photograph of NASBP ca. 1963-1966. In folder "Handbook of Aerial Photographs of 14th ND—1963-1966." n.d. (ca. 1963-1966).

Department of the Navy. "Detailed Inventory of Naval Shore Facilities, Real Property Data, P-164." 1963.

Department of the Navy. "NASBP General Development Map, 7900558." 1974.

Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1943, OA-N1-678."

Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1949, OA-N1-1962."

Fourteenth Naval District. "Map NASBP Showing conditions on 30 June 1951, OA-N1-2190 and Building and Structure List, OA-N1-2167. 1951.

Hawaii State Archives. "Aerial photo PPA-63-3, 2-16." November 18, 1952 and "Aerial photo PPA-50-2, 5047-4." September 17, 1969.

International Archaeological Research Institute, Inc. "Cultural Resource Management Plan: Naval Air Station, Barbers Point." Prepared for Department of the Navy Pacific Division, Naval Facilities Engineering Command under contract with Belt Collins Hawaii. 1999.

Mason Architects, Inc. *Historic Context Report and Historic Preservation Repair Plan. Building Types Assessment: World War II Wooden Facilities.* Prepared for Commander, Navy Region Hawaii under contract to Naval Facilities Engineering Command, Pacific. 2005.

Mason Architects, Inc. "Honolulu High Capacity Transit Corridor Project. Surveyed Property Considered Eligible for National Register." 2008.

NAVFAC Hawaii. Historic drawings for this facility are located in NAVFAC Hawaii plan files archives as electronic copies. Various dates.

NAVFAC Hawaii EV5. Review Comments dated May 13, 2015 on draft assessment forms, provided to Mason Architects, Inc., on July 21, 2015 via email.

Tuggle, David and M.J. Tomonari-Tuggle. "A Cultural Resource Inventory of Naval Air Station, Barbers Point, Oahu, Hawaii: Part I: Phase I Survey and Inventory Summary." Prepared for Belt Collins Hawaii. 1997.

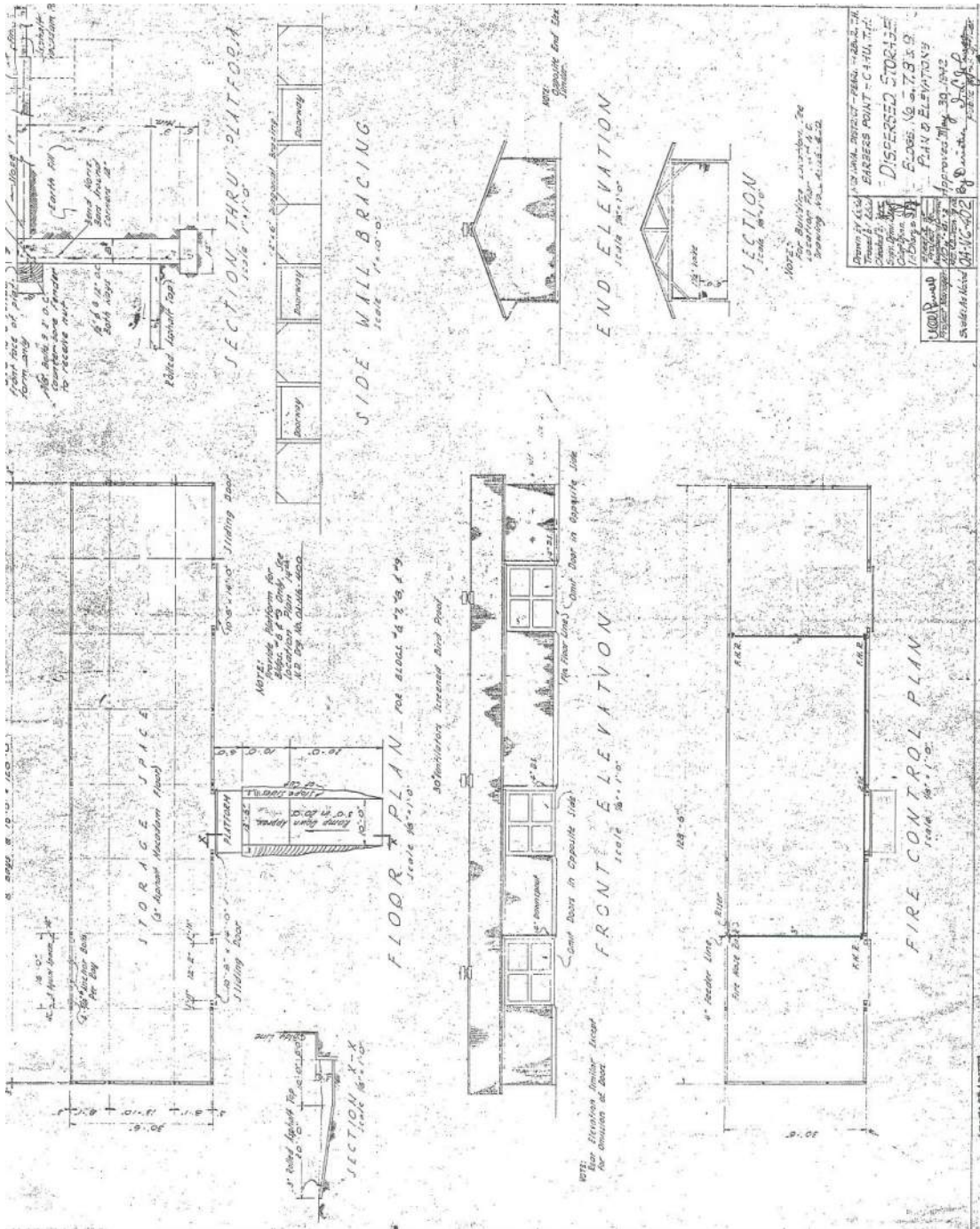
U.S. Navy, Bureau of Yards and Docks. Public Works of the Navy Data Book P-164. July 1945 Edition.

Yoklavich, Ann K. "HABS HI-279-T, Naval Air Station Barbers Point Dispersed Storage Warehouse Type." 1995.

Appendix: Additional Information
 Section 110 Eligibility Assessment Forms
 Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

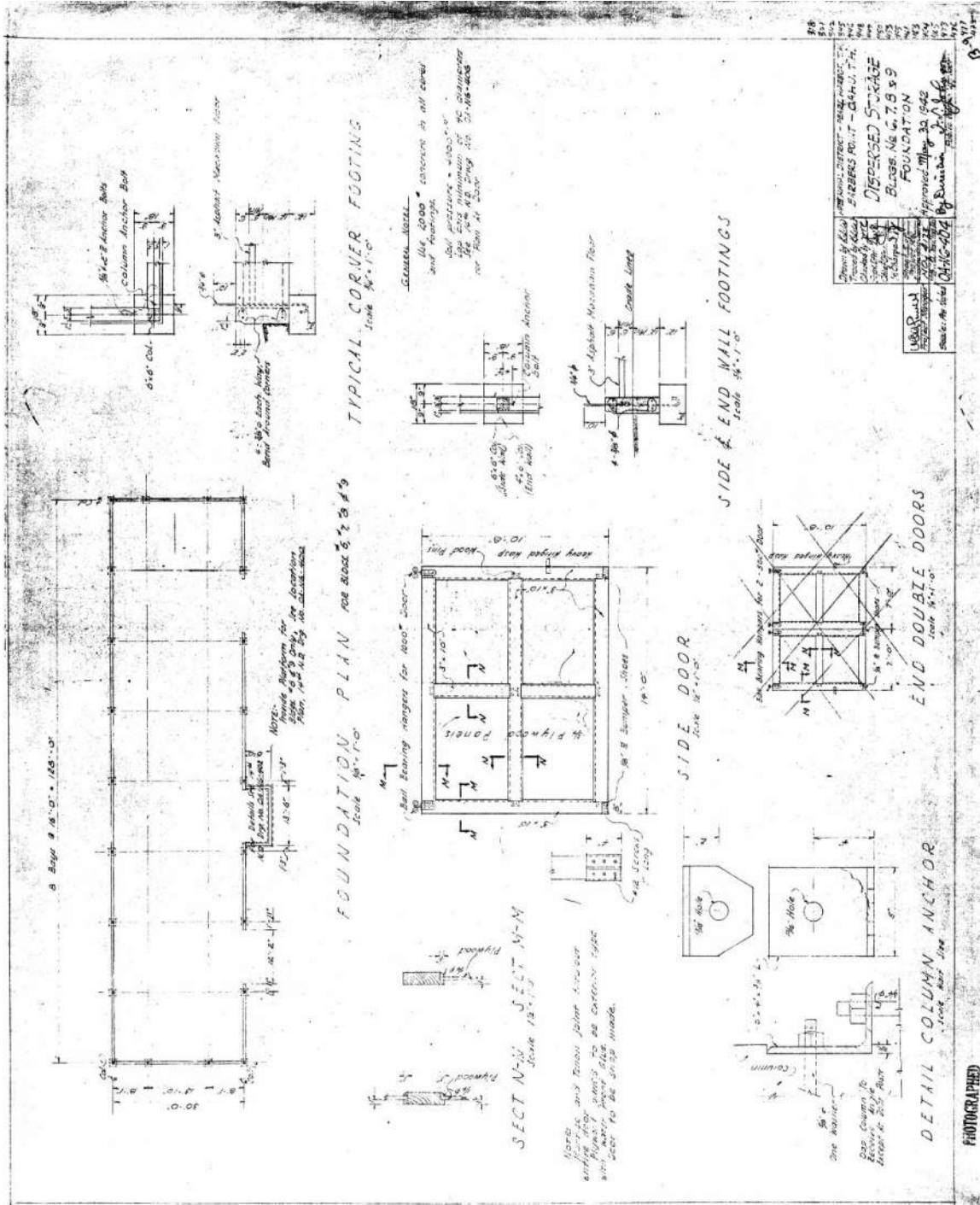
FACILITY NO.: 476
 FACILITY NAME: Storage Facility



Drawing OA-N6-402 dated May 30, 1942.

Enclosure B

FACILITY NO.: 476
FACILITY NAME: Storage Facility

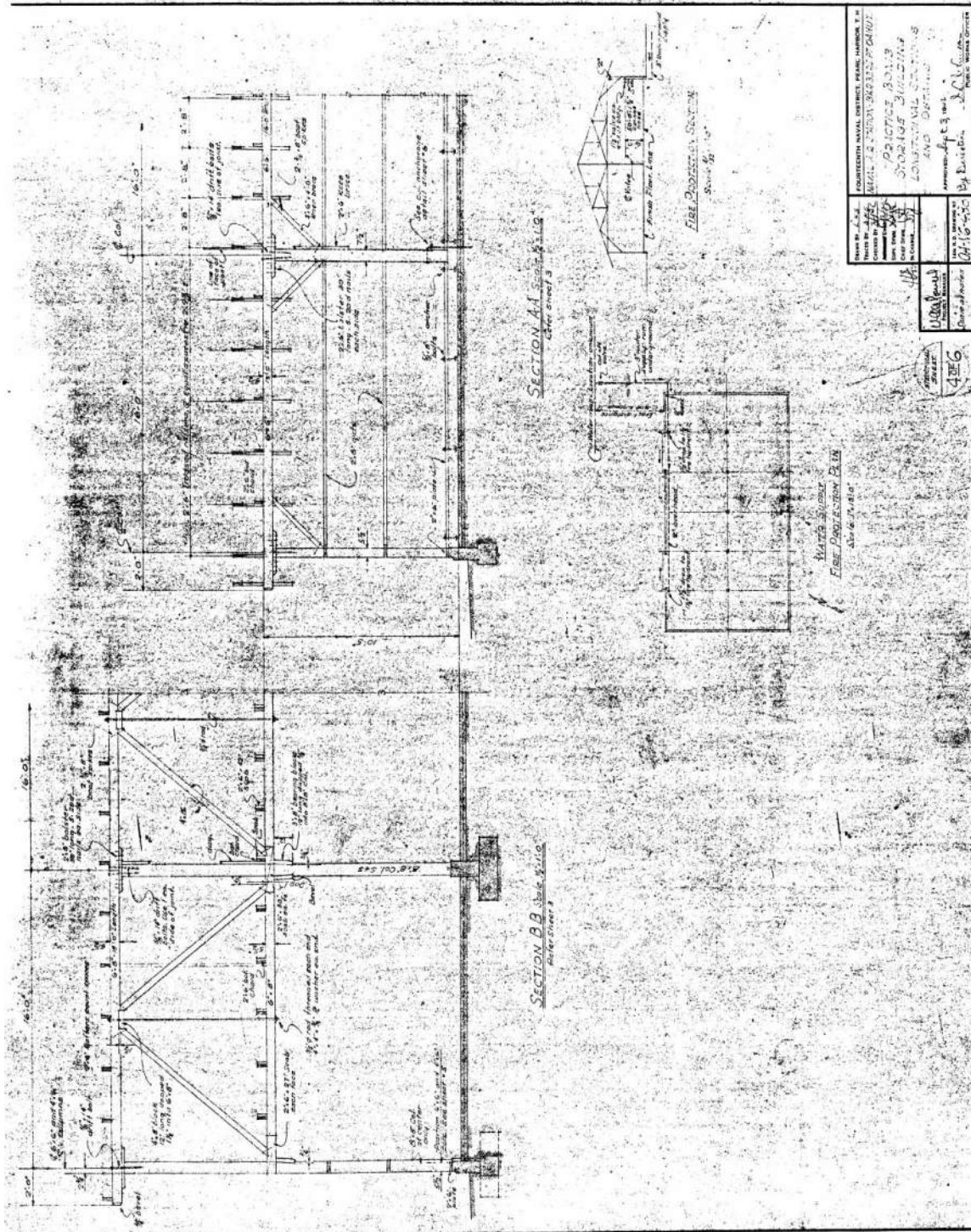


Drawing OA-N6-404 dated May 30, 1942.

Appendix: Additional Information
Section 110 Eligibility Assessment Forms
Former NASBP Fee Conveyance of Leased Parcels

Enclosure B

FACILITY NO.: 476
FACILITY NAME: Storage Facility



Drawing OA-N6-488 dated September 3, 1942.



Photograph



Location Map

IDENTIFICATION

- 1. Facility NFA ID: NFA 100001078451
- 2. Facility Name: Club Facility
- 3. Area (PARCEL): 15
- 4. Historic Zone: Not within a Historic Zone
- 5. Tax Map Key: 9-1-013:081
- 6. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): Eligible

NAVY FACILITY ASSET DATA

- 7. PR Number: 260018
- 8. Year Built: 1944 9. Stories: 1 10. Irregular?
- 11. Length: 120' 12. Width: 31' 13. Height: 18' 14. Area: 3,720 sq. ft.

HISTORY, SIGNIFICANCE, ELIGIBILITY

- 15. Researched Year Built: 1942 (if diff. from Navy Database) Source: 1945 Navy P-164 Public Wks. Data Bk
 Design Date: Source:
- 16. Architect, Engineer, Overseer, or Construction Battalion (circle): CPNAB – builder. Design - 14th Naval District
 Source: Contractors Pacific Naval Air Bases n.d (ca. 1946), p. A-340. Original drawings NAVFAC Hawaii.
- 17. Historic Names or Functions:
 Original Use: Engine Stores Bldg. No. 8F Date/Source: 1943 map NASBP OA-N1-678
 Subsequent Use: Date/Source:
 Subsequent Use: Date/Source:
 Subsequent Use: Date/Source:
- 18. Year(s) of Major Renovations or Relocation:
 Explanation:
- 19. Other Documentary Sources (not listed above): See sources at end of form.

20. Period (Check as many as applicable): Initial Base, WW I, Between Wars, WW II, CW
21. Associated Cold War Themes: C3I, Defense & Deterrence, Special Weapons, RDT&E, Educ. & Training, Materiel Prod., Logistics & Ops Support, Social Support
22. Associated Cold War Missions:
Mission Type/Period _____
Mission Type/Period _____
Specialized Equipment or Features Anticipated _____

23. NRHP Significance Criteria
 A (events), B (persons), C (* dist const type), D (archaeology), Criterion Consideration
Criterion Consideration G (or other) Explanation: _____

- (* distinctive type, period, or method of construction, work of a master, high artistic values, or distinguishable entity)
24. Area of Significance: Architecture, Engineering, Recreation, Military, Transportation
Other (explain) _____
Explanation of Significance: See significance section at end of form.
25. Integrity: Location, Design, Setting, Materials, Workmanship, Feeling, Association
Explanation of Integrity: _____

EXISTING HISTORIC ASSESSMENT DATA

26. A Cultural Resource Inventory of NASBP, O'ahu, Hawai'i; Part 1: Phase I Survey and Inventory Summary (1997) (Elig./Not Elig./Not Eval.): Not Eligible
27. Cultural Resource Management Plan: Naval Air Station, Barbers Point (1999) (Elig./Not Elig./Not Eval.): Not Evaluated
Subsequent Categorization: Category II (Rare WWII facility type due to earlier WWII Temporary building demolition initiatives)
28. Pre-ICRMP Status: Within the boundaries of PH NHL District: Yes No Unclear, close to boundary
 Listed individually on NR
 Determined Eligible as contributing resource to PH NHL
 Determined Eligible as contributing resource to an NR District District Name: _____
 Determined Eligible to NR as an individual resource
 Determined Ineligible to NR as an individual resource
Date of NHL/NR Listing or Determination: _____
 Evaluated as Eligible as contributing resource to PH NHL
 Evaluated as Eligible as contributing resource to an NR District District Name: _____
 Evaluated as Eligible to NR as an individual resource
 Evaluated as Ineligible to NR as an individual resource
 Not Evaluated
29. 2008 ICRMP Category: Not Evaluated
30. Current (2015) Eligibility Evaluation (Elig./Not Elig./Not Eval.): See Line #6

HABS/HAER DATA

31. HABS/HAER Number: HABS HI-279-T 32. Doc Accepted by NPS: Yes 33. Date Accepted by NPS: Ca. 1996
34. HABS/HAER Comments: Library of Congress has posted only the HABS photos on their website as of 2014.

OBSERVATIONS/COMMENTS

35. General Type: World War II Dispersed Storage Facility 36. Condition: Fair – Poor. Termite damage, roof panel missing.
37. Character-defining historic features (to be retained and consulted on, if altered): Note exterior materials: roof shape, materials and features; doors and entry features; window type and materials; etc.
- Gable roof supported by simple trusses of structural fir member bolted together.
 - Surface mounted paneled sliding double doors for cargo constructed with "X" bracing. Door track enclosed with wood trim. .
 - 120' length and 30' width.
 - Small screened vents at open gaps along the long side eaves.
 - Wooden louver vents at gable ends.
38. Other observations about the setting (e.g. does building have significant landscape or hardscape elements nearby, or is it part of a notable spatial grouping?)
- Associated with adjacent storage facility 476.
39. Features that detract from the historic character: (if not any, note there are none)
- None
40. Major non-historic additions? If yes, describe below:
41. Comments:
- Evaluated by Mason Architects Inc. under a HART contract as Eligible for the NRHP in the 2008 Honolulu High Capacity Transit Survey.
 - Due to previous demolitions, this facility is considered a rare remaining example of this facility type. There were groups of these facilities constructed for material storage needs of the initial base. Most other similar type storage facilities except for Facility 476 and 477 were demolished leading up to BRAC.

TREATMENT DECISION

42. Proposed Management Category (if applicable): _____ Date of Proposed Mgmt. Category _____
43. Research Form prepared by: Dee Ruzicka, Mason Architects, Inc. Honolulu, HI Date: Sept. 2015

NARRATIVE HISTORY, SIGNIFICANCE & SOURCES

This storage building has a listed date of construction of 1942 in the Navy Public Works Data Book P-164, July 1945 edition. It was constructed by CPNAB contractors prior to the completion of their work at NASBP on May 7, 1943, when work at NASBP was turned over to Naval Construction Battalions (SeaBees or CBs). CPNAB records give December 1942 as the completion date for this building. Early maps show this facility type was part of the initial base construction; there were groups of these facilities constructed for material storage needs of the initial base. Except for Facility 476 and 477, most of the other similar type storage facilities have been demolished.

The construction of the group of storage buildings, including this facility, was a direct result of the December 7, 1941 attack by the Japanese on Pearl Harbor. Before that date, the plan for storage at NASBP had been to construct a single, three-story concrete

warehouse with footprint dimensions of 180' x 360'. Instead, the attack prompted the military to re-evaluate its policy of building central storehouses to instead favor dispersed storage sites. This resulted in the construction (at NASBP) of eight scattered groupings (Units) of storehouses, with each group containing between nine and fifteen buildings.

This building, as well as the others in the eight Units, were a locally designed storehouse type used in the build-up of NASBP and adjacent Ewa Field. Most buildings in the Units were similar to Facility 477, with light, temporary construction, on concrete slabs, and wood-framed with either wood or corrugated metal siding. They were typically 28' to 30' wide, and up to 100' to 128' long. Some of the storehouse Units included smaller, concrete storage buildings measuring 16' x 16', which were used for the storage of flammable items.

Facility 477 was one of the eleven storage buildings in Unit 8, which was centered at Nassau and Midway Avenues. Facility 477 was originally designated as Building 8F of buildings A thru K at Unit 8. It is called out on a 1943 map of NASBP as an engine stores warehouse, and in the 1945 P-164 Navy Data Book as a general stores warehouse.

Some storage buildings within the Units stored parts for aircraft; each Unit had a building designated for propellers, one designated for engine stores, and one for structure stores. Six of the other seven dispersed storage areas at NASBP were centered north of Saratoga Avenue, west of Unit 8. The remaining unit (Unit 1) was located about 0.8 mile south of Unit 8, near the northeast end of the runway.

The eight storage facility Units remained mostly intact until at least late November 1952, as shown by aerial photographs. Ca. 1953 construction of Wherry Program housing and the ca. 1963 construction of the Barbers Point Elementary School west of Hornet Avenue removed most of the buildings of Units 2, 3, 4, and 5. About six storehouses that were located south of Saratoga Avenue remained. By the mid-1960s the buildings at Unit 1 had been removed. Also by the mid-1960s Unit 6 (just east of Lexington Avenue) retained all of its nine large storehouses, while Unit 7 (just west of Enterprise Avenue) retained nine of its original thirteen large storage buildings. By that date Unit 8 retained only five of its original nine large buildings; the four buildings east of Nassau Avenue had been removed. By 1974 the only remaining buildings at Unit 8 were Facility Nos. 476 and 477.

Significance:

This 1942 storage building is significant under Criterion A for its association with the change in military storage practices on Oahu directly following the December 7, 1941 Japanese attack on Pearl Harbor. The attack prompted the military to abandon plans to construct a centralized storage facility at NASBP in favor of smaller, dispersed storage buildings such as Facility 477. It is also significant under Criterion C as a World War II wood storehouse. Hundreds of similar wood storehouses were built during World War II throughout the Navy's Oahu installations, and relatively few remain today.

Sources:

Contractors Pacific Naval Air Bases (CPNAB). "Technical Report and Project History Contracts NOy 3550 and NOy 4173." n.d. (ca. 1946).

Bowfin Submarine Museum Archives. Aerial photograph of NASBP ca. 1963-1966. In folder "Handbook of Aerial Photographs of 14th ND—1963-1966." n.d. (ca. 1963-1966).

Department of the Navy. "Detailed Inventory of Naval Shore Facilities, Real Property Data, P-164." 1963.

Department of the Navy. "NASBP General Development Map, 7900558." 1974.

Fourteenth Naval District. Original drawings for WWII Storage Type Building. OA-N6-401, OA-N6-402, OA-N6-404, OA-N6-408, OA-N6-409, OA-N6-414, OA-N6-416, OA-N6-487, OA-N6-488, OA-N6-490. 1942.

Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1943, OA-N1-678."

Fourteenth Naval District. [Map] "NASBP Showing conditions on June 30, 1949, OA-N1-1962."

Fourteenth Naval District. [Map] "NASBP Showing conditions on 30 June 1951, OA-N1-2190 and Building and Structure List, OA-N1-2167. 1951.

Hawaii State Archives. "Aerial photo PPA-63-3, 2-16." November 18, 1952 and "Aerial photo PPA-50-2, 5047-4." September 17, 1969.

International Archaeological Research Institute, Inc. "Cultural Resource Management Plan: Naval Air Station, Barbers Point." Prepared for Department of the Navy Pacific Division, Naval Facilities Engineering Command under contract with Belt Collins Hawaii. 1999.

Mason Architects, Inc. *Historic Context Report and Historic Preservation Repair Plan. Building Types Assessment: World War II Wooden Facilities.* Prepared for Commander, Navy Region Hawaii under contract to Naval Facilities Engineering Command, Pacific. 2005.

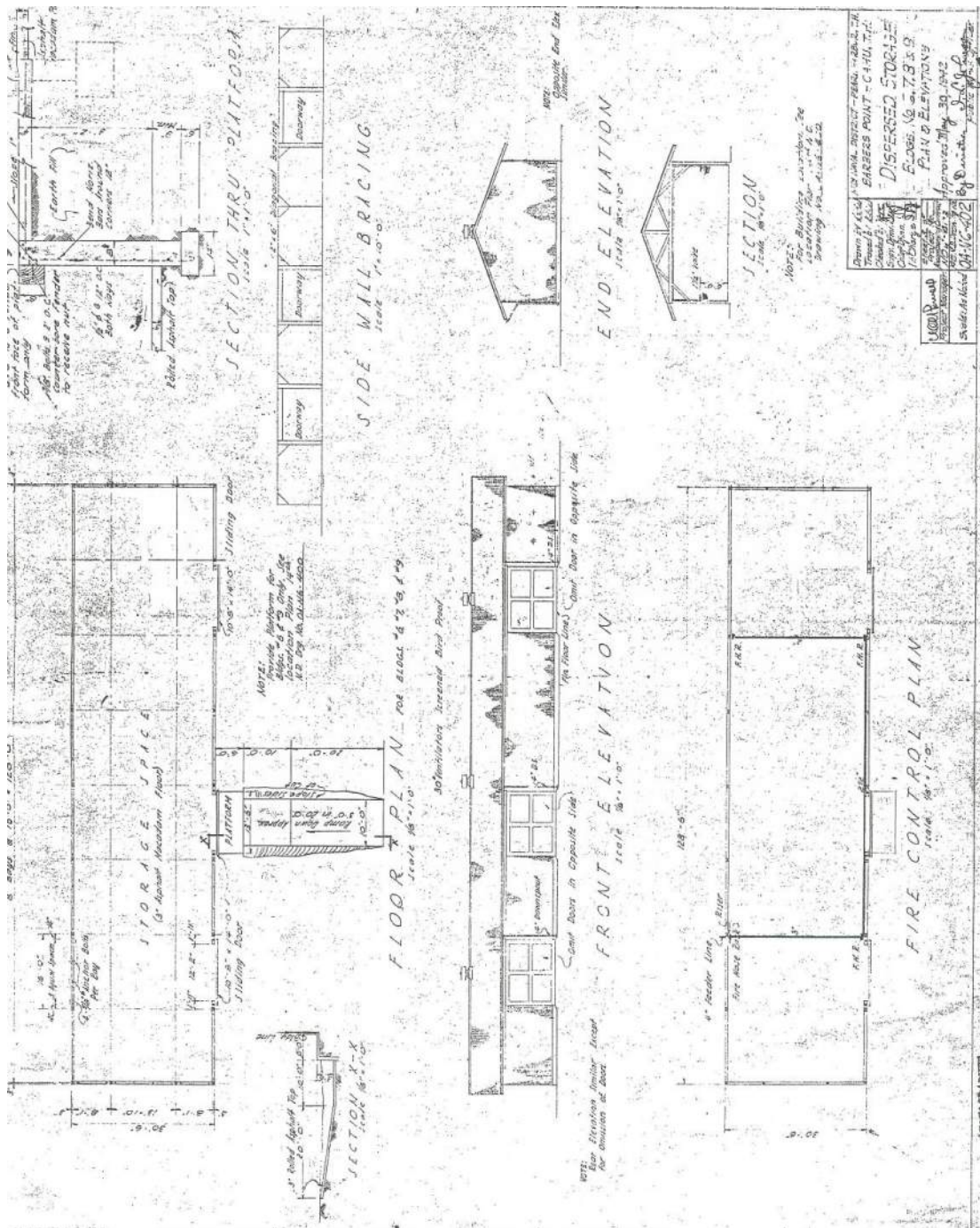
Mason Architects, Inc. "Honolulu High Capacity Transit Corridor Project. Surveyed Property Considered Eligible for National Register." 2008.

NAVFAC Hawaii. Historic drawings for this facility are located in NAVFAC Hawaii plan files archives as electronic copies. Various dates.

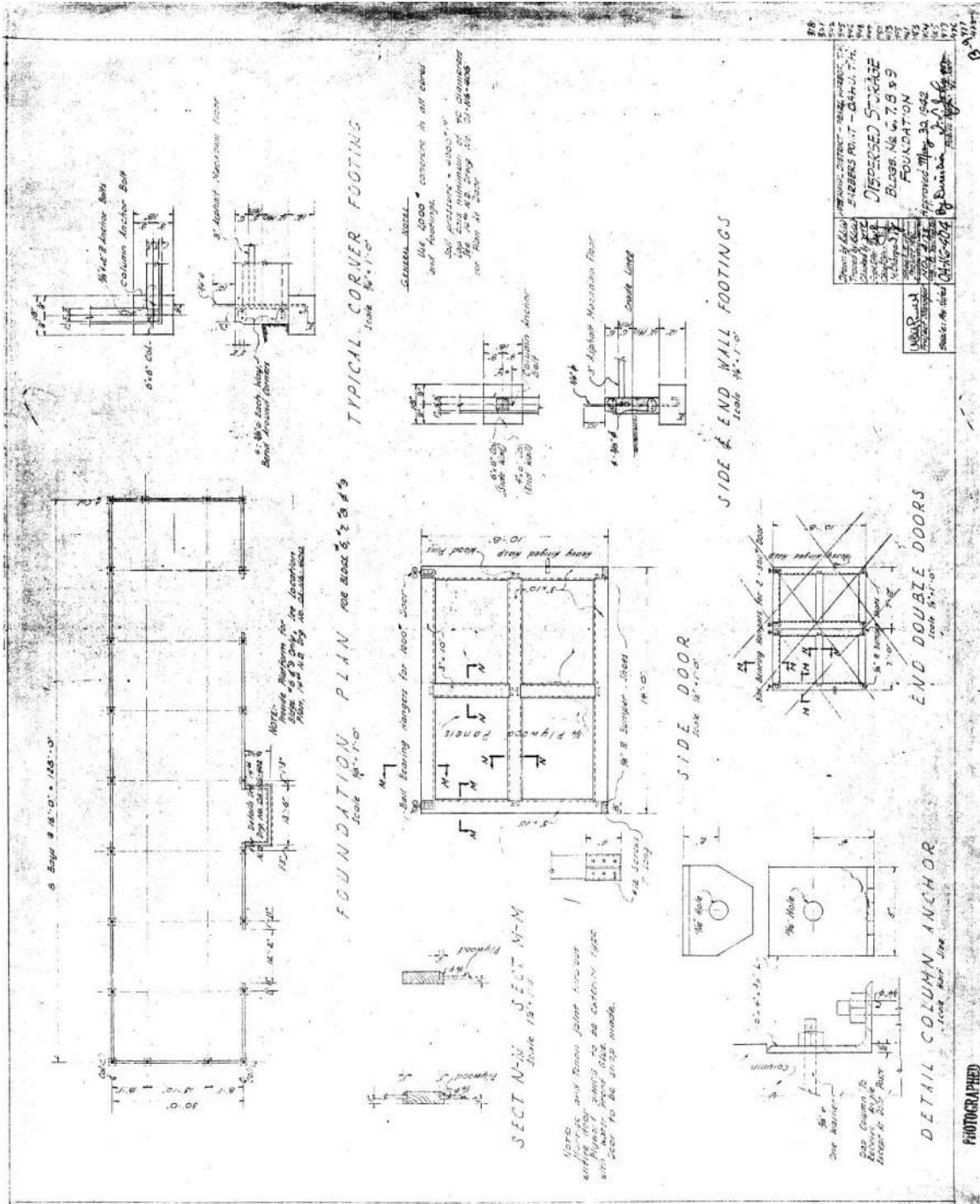
NAVFAC Hawaii EV5. Review Comments dated May 13, 2015 on draft assessment forms, provided to Mason Architects, Inc., on July 21, 2015 via email.

U.S. Navy, Bureau of Yards and Docks. Public Works of the Navy Data Book P-164. July 1945 Edition.

Yoklavich, Ann K. "HABS HI-279-T, Naval Air Station Barbers Point Dispersed Storage Warehouse Type." 1995.



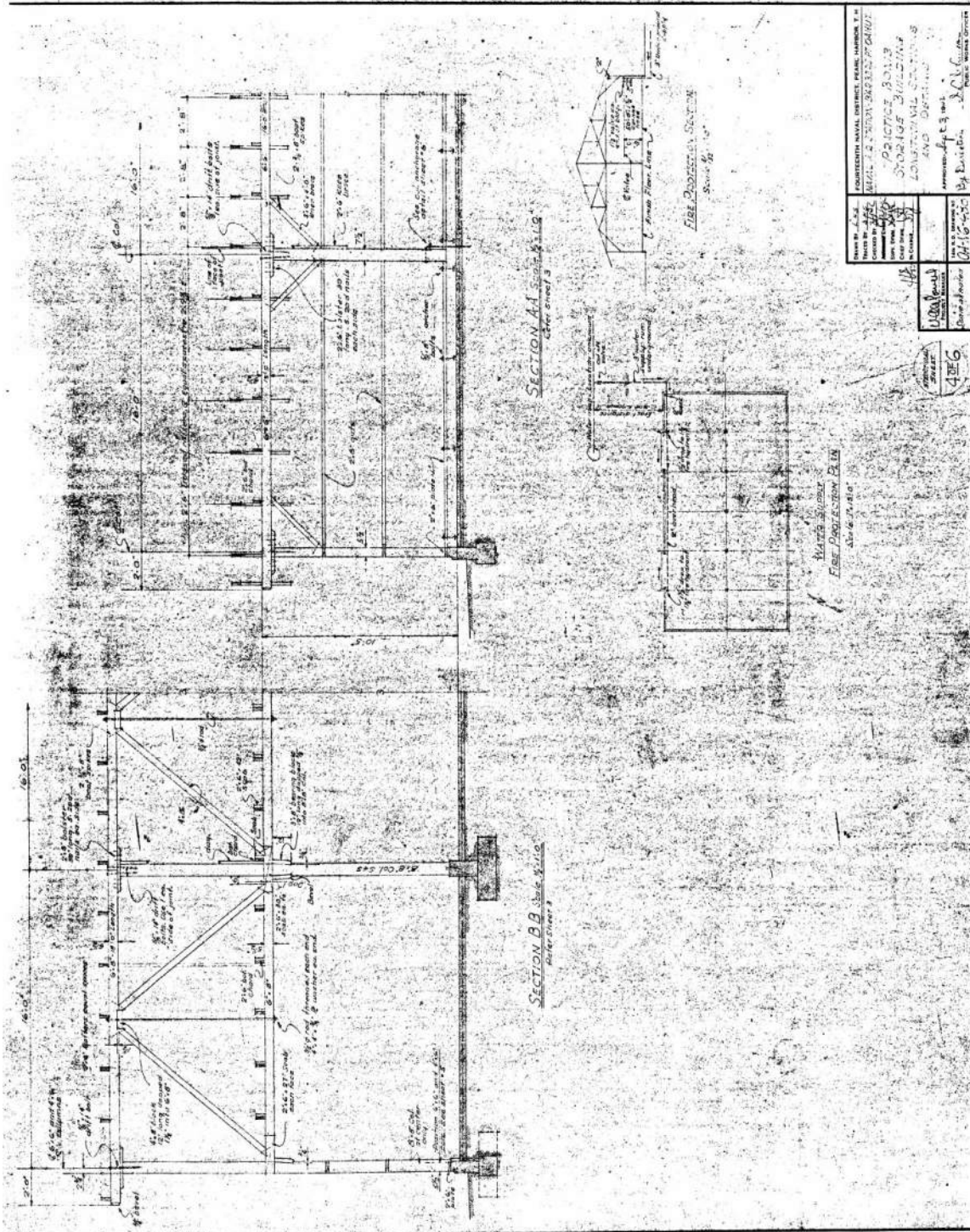
Drawing OA-N6-402 dated May 30, 1942.



Drawing OA-N6-404 dated May 30, 1942.

Enclosure B

FACILITY NO.: 477
 FACILITY NAME: Club Facility



Drawing OA-N6-488 dated September 3, 1942.

Enclosure C

Exhibit O Historic Buildings

Parcel	Fac. No.	Fac. Name	Historic Name	Year	NR Eligibility Criteria
3	<u>77</u>	BOQ-Mess	BOQ	1958	Eligible/ Crit. A & C as Cold War-era officer housing in a pared-down and utilitarian international-style design
3	<u>943</u>	Pool Bath House	Pool Dressing Room - Pavilion	1959	Eligible/ Crit. C as an example of Hawaiian Regionalism on a military base
4	<u>55</u>	Chapel Center/ FSC	Enlisted Men's Barracks	1957	Eligible/ Crit. C as an example of a pared down and utilitarian International-style design
8	<u>5</u>	Chapel	Chapel	1953	Eligible/ Crit. C as an example of the military's reuse of buildings in the Post War period, and as what is likely the only standard-plan Army chapel on a Hawaii Navy Installation
9	<u>271</u>	Operational Storage	Ready Magazine	1944	Eligible/ Crit. C as a distinctive type of ready magazine that is representative of the World War II period
10	<u>152</u>	Commissary	Warehouse	1943	Eligible/ Crit. C as a distinctive form incorporating World War II-era Quonset huts
15	<u>476</u>	Storage Facility	General Stores Bldg. 8D	1942	Eligible/ Crit. A & C as an example of the change in military storage practices on Oahu directly following the December 7, 1941 attack, and as a World War II wood storehouse, of which relatively few remain
15	<u>477</u>	Club Facility	Engine Stores Bldg. 8F	1942	Eligible/ Crit. A & C as an example of the change in military storage practices on Oahu directly following the December 7, 1941 attack, and as a World War II wood storehouse, of which relatively few remain
16	<u>128</u>	CPWP Admin	Radio Transmitter Building	1942	Eligible/ Crit. A & C for its association with the development of Navy radio communications at NASBP, and as a distinctive World War II radio communications building type

The Secretary of the Interior's Standards for Rehabilitation

The Standards (Department of Interior regulations, 36 CFR 67) pertain to historic buildings of all materials, construction types, sizes, and occupancy and encompass the exterior and the interior, related landscape features and the building's site and environment as well as attached, adjacent, or related new construction. The Standards are to be applied to specific rehabilitation projects in a reasonable manner, taking into consideration economic and technical feasibility.

- 1. A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.**
- 2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.**
- 3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.**
- 4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.**
- 5. Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.**
- 6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.**
- 7. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.**
- 8. Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.**
- 9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.**
- 10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.**

OFFICE OF THE
ASSISTANT REGISTRAR, LAND COURT
STATE OF HAWAII
(Bureau of Conveyances)

The original of this document was
recorded as follows:

DOCUMENT NO. _____ Doc T - 10215309
CT 1148987
DATE/TIME _____ December 20, 2017 3:29 PM

LAND COURT SYSTEM

REGULAR SYSTEM

AFTER RECORDATION: RETURN BY MAIL () PICK-UP (X)

Kalaeloa Ventures, LLC
737 Bishop Street, Suite 2750
Honolulu, HI 96813
Attention: Thomas Lee

Tax Map Key Nos. (1) 9-1-013-128; (1) 9-1-013-129;
(1) 9-1-013-130; (1) 9-1-013-079; (1) 9-1-013-057;
(1) 9-1-013-023; (1) 9-1-013-051; (1) 9-1-013-081;
(1) 9-1-013-097; and (1) 9-1-013-083

Total Pages: 148

QUITCLAIM DEED

This Quitclaim Deed ("Deed") is made this 19 day of December 2017, by and between the UNITED STATES OF AMERICA ("GRANTOR"), acting by and through the Department of the Navy, with a principal office at 400 Marshall Road, Building X-11, Pearl Harbor, HI 96860-3134, and KALAELOA VENTURES, LLC ("GRANTEE"), a Delaware limited liability company, whose address is 737 Bishop Street, Suite 2750, Honolulu, HI 96813.

RECITALS

WHEREAS, by authority contained in 10 USC Section 2814, the Secretary of the Navy is authorized to convey all right, title, and interest of the United States to certain portions of the former Naval Air Station, Barbers Point to GRANTEE; and

WHEREAS, GRANTEE has requested conveyance of a portion of the former Naval Air Station Barbers Point consisting of Parcels 3, 4, 8, 9A, 9B, 10, 15, and 16 (each as described in the corresponding Exhibits A through H attached to this Deed), collectively

comprising 69.990 acres of land, more or less, together with certain improvements thereon (collectively, the "Property"); and

WHEREAS, on July 11, 2017, August 08, 2017, and December 15, 2017, GRANTOR executed Environmental Condition of Property reports (ECP), which documents set forth the basis for GRANTOR's determination that Parcels 3, 4, 8, 9A, 9B, 10, 15, and 16 are suitable for transfer pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (CERCLA) 120(h)(3).

NOW, THEREFORE, GRANTOR, in consideration of the foregoing, the covenants, conditions and restrictions hereinafter contained and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby remise, release and forever quitclaim to GRANTEE all of GRANTOR's right, title and interest in the Property. Notwithstanding anything to the contrary in this Deed, GRANTEE acknowledges and agrees that GRANTOR makes no representation or warranty regarding the status of title being conveyed by this Deed, including but not limited to whether there are any unrecorded easements encumbering the property.

I. TOGETHER WITH:

All of GRANTOR's right, title and interest in and to buildings, improvements, and utilities located on the Property and all rights, tenements, hereditaments, and appurtenances thereunto belonging, excepting those improvements and interests hereinafter specifically excluded, excepted or reserved, all as set forth in Section II below.

II. SUBJECT TO THE EXCEPTIONS SET FORTH IN EXHIBITS A THROUGH H, AND ADDITIONALLY TO THE FOLLOWING NOTICES, COVENANTS, CONDITIONS AND RESTRICTIONS, which shall be binding upon and enforceable against GRANTEE; its successors and assigns, in perpetuity:

A. GRANTEE hereby accepts conveyance of the Property subject to all covenants, conditions and restrictions, easements, rights-of-way, reservations, rights, agreements, and encumbrances for utilities, drainage, and other rights-of-way, including but not limited to specific easements, reservations, rights and covenants described herein, and to any facts which a physical inspection or accurate survey of the property may disclose.

B. GRANTEE hereby accepts, pursuant to Stipulation IV.F of the 2001 Ford Island Master Development Programmatic Agreement dated December 20, 2001 signed by GRANTOR, the State Historic Preservation Officer and the Advisory Council on Historic Preservation, all undertakings after the fee transfer of the Property to Grantee affecting historic properties will be administered in accordance with applicable State law, for example Hawaii Revised Statutes (HRS), Chapter 6E and 205. This includes, but is not limited to, inadvertent discovery procedures outlined in HRS Ch. 6E.

C. ECP Notifications, Restrictions or Land Use Controls

The GRANTEE acknowledges that it has been made aware of the notifications contained in the ECP, that the GRANTEE has received copies of the ECP, and that all documents referenced therein have been made available to the GRANTEE for inspection.

1. The GRANTOR warrants that, with respect to the Property all remedial action necessary to protect human health and the environment with respect to any CERCLA hazardous substances remaining on the Property have been taken before the date of this instrument.
2. The GRANTOR covenants and warrants that any response action or corrective action found to be necessary after the date of the conveyance regarding the CERCLA hazardous substances remaining or discovered on the Property shall be conducted by the United States. However, this covenant and warranty shall not apply:
 - a. in any case in which the GRANTEE, its successor(s) or assign(s), or any successor in interest to the Property or part thereof is a Potentially Responsible Party, which, pursuant to CERCLA Section 107(a), includes: 1) current owners and operators of a facility; 2) former owners or operators of a facility at the time of disposal; 3) persons who arranged for treatment or disposal of hazardous substances (commonly referred to as “generators” or “arrangers”); and 4) transporters of hazardous substances who selected the disposal site, with respect to the Property immediately prior to the date of this conveyance; and/or
 - b. to the extent that such additional response action or part thereof found to be necessary is the result of an act or failure to act of the GRANTEE, its successor(s) or assign(s), or any party in possession after the date of this conveyance that:
 - results in a release or threatened release of a hazardous substance that was not located on the Property on the date of this conveyance, and/or
 - causes or exacerbates the release or threatened release of a hazardous substance located on the Property as of the date of this conveyance.
3. The GRANTOR expressly reserves a continuous right of access on behalf of the United States to any and all portions of the Property to conduct remedial/response actions on the Property or any adjoining property. The right of access described herein shall include, without limitation, the right to conduct tests, investigations, and surveys, including, where necessary, drilling, test pitting, soil borings, and other similar activities. Such right shall also include the right to construct, operate, maintain or undertake any other remedial action as required or necessary, including, but not limited to, installing and operating monitoring wells, pumping wells, and treatment facilities, as well as any and all other access rights. The GRANTEE agrees to cooperate with activities of the GRANTOR in furtherance of these covenants and will take no action to interfere with future necessary remedial actions of the

GRANTOR. The GRANTOR shall provide the GRANTEE reasonable notice prior to any entry made pursuant to this reservation. Any such entry, including the aforementioned activities or remedial actions, shall be coordinated with the GRANTEE or its successors or assigns and shall be performed in a manner that minimizes any disruption or disturbance of the use and enjoyment of the Property.

Hazardous Substances/Waste Management

The GRANTEE is hereby informed and does acknowledge that mercury-containing fluorescent lamps may be present in buildings/facilities on Parcels 3, 4, 8, 9A, 9B, 10, 15, and 16.

The GRANTEE is hereby informed and does acknowledge that the utility poles located on Parcels 3, 4, 8, 9A, 9B, 10, 15, and 16 may contain creosote.

The GRANTEE is hereby informed and does acknowledge that hazardous materials associated with pool treatment were formerly stored on Parcel 3. There are no covenants associated with materials that have been removed.

The GRANTEE is hereby informed and does acknowledge that Canec paneling may be present in buildings on Parcel 8 and 9B.

The GRANTEE is hereby informed and does acknowledge that a release of waste oil occurred on Parcel 10. In addition, various regulated hazardous waste and other miscellaneous hazardous materials (paints, solvents, cleaners, and petroleum products) are present on Parcel 10. Numerous *de minimis* releases of waste oil were observed on Parcel 10. Release response activities were conducted for the waste oil release and some impacted soil was removed but the release did not appear to have impacted the subsurface soils of the site. No confirmation sampling or release reporting was conducted.

The GRANTEE is hereby informed and does acknowledge that household hazardous materials are stored and sold on Parcels 3, 4, 9A, 9B, and 10. There are no covenants associated with these materials since no releases have been noted.

The GRANTEE is hereby informed and does acknowledge that hazardous materials are stored and used in Building 1883 and 1955 on Parcel 15. There are no covenants associated with these materials since no evidence of a release was noted.

The GRANTEE shall at its own expense at all times comply with all federal, state and local environmental laws concerning the handling, storage, transportation, treatment and/or disposal of any consumer and commercial products on the property that would be considered hazardous substances and/or have constituents that would be considered hazardous substances and which may have special disposal requirements. The GRANTEE shall perform the obligations in this **Hazardous Substances/Waste Management** section in a manner that ensures the protection of human health and the environment at all times.

Base-Wide Regional Groundwater System (Former POI-49)

The GRANTEE is hereby notified and does acknowledge of the presence of a base-wide regional groundwater system (former POI-49) at Kalaeloa. There are no covenants associated with the regional groundwater system because investigation has shown that the concentrations of chemicals of potential concern are at levels which do not pose a threat to human health or the environment.

Base-Wide Drywell Network (Former POI-47)

The GRANTEE is hereby notified of a base-wide drywell network (former POI-47) located within Kalaeloa. There are no covenants associated with the drywell network because investigation has shown that the concentrations of chemicals of potential concern are at levels which do not pose a threat to human health or the environment.

Petroleum Contamination

The GRANTEE is hereby informed and does acknowledge that evidence of petroleum contamination was identified in the soil and groundwater during removal of USTs BP-19 and BP-20 on Parcel 3. Remedial activities have been conducted on Parcel 3 and the Navy has received a “no further action” (“NFA”) determination from HDOH. The two monitoring wells associated with the groundwater monitoring on Parcel 3 have been abandoned. However, because petroleum-contaminated soil was left in place due to the presence of an AST, there is a potential for residual petroleum to be encountered in the subsurface at the site.

The Grantee is hereby notified and does acknowledge that Parcel 9A includes areas which were included in POI-10. Several environmental restoration projects studied potential petroleum leaks in POI-10. Leaks which were discovered were addressed and all response actions to protect human health and the environment have been taken by the Navy. No further action is required at POI-10.

The Grantee is hereby notified and does acknowledge that Parcel 9B includes areas which were included in POI-10. Several environmental restoration projects studied potential petroleum leaks in POI-10. Leaks which were discovered were addressed and all response actions to protect human health and the environment have been taken by the Navy. No further action is required at POI-10. Contaminated soil has been removed, and it is unlikely that residual contamination remains in the subsurface on Parcel 9B.

GRANTEE is hereby informed and does acknowledge that a release of waste oil may be present on Parcel 10. Numerous de minimis releases of waste oil were observed on the asphaltic concrete of the parcel. Solid waste observed on Parcel 10 included soil impacted with waste oil, auto parts and debris, empty containers and household trash. The GRANTEE shall be responsible for removal and disposal of the solid waste found on site in accordance with all applicable federal, state and local laws.

If residual petroleum or constituents are encountered in the subsurface (soil or groundwater), the GRANTEE shall be responsible for the protection of construction workers, occupants, and for proper sampling, handling, removal, and disposal in accordance with applicable federal, state, and local regulations, standards, and laws.

Solid/Biohazardous Waste

The GRANTEE is hereby notified and does acknowledge that various piles of solid waste were observed during the 2014 Visual Site Inspection (VSI) of Parcels 3, 9B, 10, and 15. The solid waste observed included construction debris, downed utility poles, tires, automotive batteries, auto parts, empty containers, roofing materials, discarded tile and lighting, spray paints, paint cans, discarded tile and lighting, pallets, roofing material, buckets, building materials, and household trash.

The GRANTEE shall be responsible for removal and disposal of the solid waste found on all parcels in accordance with all applicable federal, state, and local laws. The GRANTEE shall perform the obligations in this **Solid/Biohazardous Waste** section in a manner that ensures the protection of human health and the environment at all times.

Polychlorinated Biphenyls

The GRANTEE is hereby notified and does acknowledge that pole-mounted transformers are located on Parcels 3 and 9B. There are no covenants associated with these transformers.

The GRANTEE is hereby notified and does acknowledge that a non-Navy pad-mounted transformer is located on Parcel 9A. The transformer is unlabeled and is leaking dielectric fluid. Although there is no information available about the PCB concentrations in the unit, it is assumed to be a non-PCB transformer based on the date of installation. There are no covenants associated with this transformer. GRANTEE shall be responsible for maintenance, removal or modification of the transformer. GRANTEE shall be responsible for addressing any releases from the transformer including disposal of contaminated materials, in accordance with federal, state, and local environmental laws. GRANTEE shall at its own expense at all times comply with all federal, state and local environmental laws concerning the sampling, handling, storage, transportation and treatment and/or disposal of any PCB containing materials on the Property.

The GRANTEE is hereby notified and does acknowledge that one transformer (Substation S1844), which was investigated as part of former POI-48, is located on Parcel 9B. Investigations indicated that PCB-containing fluid had been released from Substation S1844. Remediation was completed to remove the contamination previously detected during the investigation. There are no covenants associated with former POI-48 for this parcel. GRANTEE shall be responsible for addressing any releases from the transformer including disposal of contaminated materials, in accordance with federal, state, and local environmental laws. GRANTEE shall at its own expense at all times comply with all federal, state and local environmental laws concerning the sampling, handling, storage, transportation and treatment and/or disposal of any PCB containing materials on the Property.

The GRANTEE is hereby notified and does acknowledge that a single pad-mounted transformer is located on Parcel 10. There are no covenants associated with this transformer.

The GRANTEE is hereby notified and does acknowledge that PCB-containing oil was released to the ground surface adjacent to Building 128 on Parcel 16. The Navy has completed remediation of this location; therefore, there are no covenants associated with this release. The GRANTEE is hereby notified and does acknowledge that former Substation T was present in Building 484 on Parcel 16. The transformers have been removed from the building, and a new transformer has been installed next to Building 128. Samples collected from the slab in Building 484 (Substation T) did not indicate the presence of PCB contamination.

The GRANTEE is hereby notified and does acknowledge that PCB-containing fluorescent lighting ballasts may be present in buildings on the Property.

The GRANTEE shall be responsible for maintenance, removal, and disposal of PCB-containing light ballasts in accordance with all appropriate regulations, including 40 CFR Part 761.

Asbestos in Structures

The GRANTEE is hereby informed and does acknowledge that ACM was identified in Buildings 73, 945, 1692, and 1906, and may also be present in Building 943 on Parcel 3; Building 55 on Parcel 4; Building 5 on Parcel 8; Building 1867 on Parcel 9A; Buildings 965, 1659, 1744, and 1844 on Parcel 9B; Building 152 and Building 1763 on Parcel 10; and Building 128 on Parcel 16. As a result of damage to the buildings, asbestos fibers may be present on surfaces and other materials within the buildings.

The GRANTEE, at its own expense, assumes all responsibility for the identification, assessment, maintenance, abatement, remediation, removal, stabilization, and/or disposal of all ACM throughout the property, as required for the GRANTEE's use of the property. All identification, assessment, maintenance, abatement, remediation, removal, stabilization, and/or disposal work shall be conducted in conformity with all applicable laws and regulations.

The GRANTEE shall perform the obligations in this **Asbestos in Structures** section in a manner that ensures the protection of human health and the environment at all times.

The GRANTEE is hereby informed and does acknowledge that ACM was identified in Building 128 on Parcel 16. The current tenant indicated that an asbestos removal had been performed, but no documentation was provided. No asbestos has been identified in Building 484 (Substation T) on Parcel 16; however, there is a potential for ACM in the structure.

Asbestos in the Environment

The GRANTEE is hereby informed and does acknowledge that while ACM was either not identified in waste debris, or debris with ACM was removed, at the time of the VSIs conducted for this ECP on Parcel 3, ACM may be present on Parcel 3 and asbestos may be present in the soil, as a result of dumping on Parcel 3.

In the absence of ACM sampling results, the GRANTEE will treat any building material or waste debris that potentially contains asbestos as though it is ACM. When disturbing potential ACM, the GRANTEE will use appropriate procedures and equipment to limit occupational and

environmental exposure. The GRANTEE will clean up all potential ACM waste generated by the disturbance and remove all waste. All work will be conducted in accordance with applicable federal, state, and local laws, rules, and regulations.

The GRANTEE, at its own expense, assumes all responsibility for the identification, assessment, maintenance, abatement, remediation, removal, stabilization, and/or disposal of all ACM throughout the Property, as required for the GRANTEE's use of the Property. All identification, assessment, maintenance, abatement, remediation, removal, stabilization, and/or disposal work shall be conducted in conformity with all applicable laws and regulations. The GRANTEE shall perform the obligations in this **Asbestos in the Environment** section in a manner that ensures the protection of human health and the environment at all times.

Lead-Based Paint

The GRANTEE is hereby informed and does acknowledge that LBP has been identified at buildings on Parcels 3, 4, 8, 9A, 9B, 10, 15 and 16 especially those built prior to or during 1978. Building 73 on Parcel 3 was heavily damaged from fire and vandalism. Flaking paint was observed on both Buildings 73 and 943 on Parcel 3 and on soil near these buildings. Preliminary soil sample results indicate that concentrations of lead in soil are below risk-based action levels and significant impacts to soil from releases of lead are unlikely.

The GRANTEE is hereby informed and does acknowledge that LBP has been identified in Building 55 on Parcel 4. Preliminary soil sample results did not indicate a release of lead to soil.

The GRANTEE is hereby informed and does acknowledge that LBP is present at Building 5 at Parcel 8. Peeling paint was noted on exterior painted surfaces and de minimis quantities of paint chips were observed on the soil below the peeling paint around the perimeter of the building.

The GRANTEE is hereby notified and does acknowledge LBP was identified in Building 1867 on Parcel 9A. During the 2014 VSI, painted surfaces were in good condition.

The GRANTEE is hereby notified and does acknowledge LBP was identified in Buildings 271, 965, 1659, 1744, 1844, and Structure 715 on Parcel 9B.

The GRANTEE is hereby informed and does acknowledge that LBP was identified at Building 152 on Parcel 10.

The GRANTEE is hereby informed and does acknowledge that LBP has been identified in Buildings 476 and 477 on Parcel 15. In 2014, lead in soil was detected above 200 ppm in exposed soil surrounding Building 477. All contaminated soil was removed and replaced with clean backfill, after Building 477 was repainted. Soil surrounding Building 477 should no longer pose a concern. Buildings with LBP may result in LBP hazards, and soil adjacent to the buildings may contain elevated lead concentrations resulting from LBP releases to the soil.

The GRANTEE, at its own expense, assumes all responsibility for the identification, assessment, maintenance, abatement, remediation, removal, stabilization and/or disposal of all LBP hazards throughout Parcel 15, as required for the GRANTEE's use of Parcel 15. All identification, assessment, maintenance, abatement, remediation, removal, stabilization and/or disposal work shall be conducted in conformity with all applicable laws and regulations.

The GRANTEE is hereby informed and does acknowledge that LBP in fair condition has been identified at Building 128 and Building 484 (Substation T) on Parcel 16.

All buildings with LBP may result in LBP hazards, and soil adjacent to the buildings may contain elevated lead concentrations resulting from LBP releases to the soil.

For all Parcels listed above, in the absence of LBP sampling results, the GRANTEE will treat any building built on or before 1978 or waste debris that potentially contains LBP as though it is lead-containing or LBP. When disturbing potential LBP, the GRANTEE will use appropriate procedures and equipment to limit occupational and environmental exposure. The GRANTEE will clean up all potential LBP waste generated by the disturbance and remove all waste. The GRANTEE assumes all responsibility for the identification, assessment, maintenance, abatement, remediation, removal, stabilization and/or disposal of all LBP hazards throughout the Parcels, as required for the GRANTEE's use of the property. All identification, assessment, maintenance, abatement, remediation, removal, stabilization, demolition, and/or disposal work shall be conducted in conformity with all applicable laws and regulations. The GRANTEE shall be solely responsible for all costs associated with identifying, assessing, addressing and/or disposing of LBP hazards. GRANTEE shall perform the obligations of this **Lead-Based Paint** section in a manner that ensures the protection of human health and environment at all times.

Pesticides/Herbicides

The GRANTEE is hereby informed and does acknowledge that pesticides/herbicides may have been applied to Parcels 3, 4, 8, 9A, 9B, 10, 15 and 16 and adjacent lands as part of maintenance activities. No known or recorded releases of pesticides/herbicides were documented and applications of pesticides were performed according to the manufacturer's directions; however, pesticide residues may be present in the soil on Parcels 3, 4, 8, 9A, 9B, 10, 15 and 16. Furthermore, the GRANTEE is hereby informed and does acknowledge that organochlorine termiticides may have been applied to building foundations of Parcels 3, 4, 8, 9A, 9B, 10, 15 and 16 and may be present in the soil on these Parcels. The GRANTEE is responsible for taking any and all necessary actions to address pesticide/organochlorine termiticide residue in the soil as required for the GRANTEE's use of these Parcels. The GRANTEE shall analyze and/or dispose of impacted soil in a manner that ensures the protection of human health and environment at all times. Such actions shall be in accordance with applicable federal, state and local laws.

Drywells

The GRANTEE is hereby informed and does acknowledge that there are five drywells located on Parcel 3, including J15-03 (J16-01), J16-04, K15-03, K15-04, and K16-02. Two wells are covered by a City and County held permit. The GRANTEE is hereby informed and does acknowledge that there are eight drywells located on Parcel 9A, including one unknown, H14-01, H14-02, H14-03, H14-04, H14-05, H14-07, J14-05. The GRANTEE is hereby informed and does acknowledge that there are seven drywells located on Parcel 10 (G13-03, G13-04, G13-05, G13-06, G13-07, G13-09, G13-24). The GRANTEE is hereby notified and does acknowledge that there is one drywell located on Parcel 15 (L11-NF).

The GRANTEE assumes responsibility for the drywells, and shall submit a UIC Permit Application for Existing Injection Wells to the State Department of Health Safe Drinking Water Branch within 90 days of conveyance/transfer (or as stipulated by regulation). The GRANTEE must obtain and comply with the requirements of UIC permits in accordance with applicable federal, state, and local laws, regulations, and rules.

The GRANTEE is notified that if sediment is removed from the drywells on the property, the GRANTEE is responsible for any costs associated with sampling and disposal, and is required to dispose of the sediment offsite in an appropriate facility in accordance with applicable laws and regulations. The GRANTEE shall abandon UIC wells in accordance with all applicable federal, state, and local laws, regulations, and rules, including, but not limited to cleaning, testing, sediment disposal, and backfill requirements.

Aboveground Storage Tanks

The GRANTEE is hereby informed and does acknowledge that there is one AST located on Parcel 3. Tank B0077-6601-01 (tag number 27742) is a 660-gallon capacity AST located in a concrete secondary containment structure. The tank is not currently in service.

The GRANTEE is hereby notified and does acknowledge that three other ASTs used for storing propane were formerly located on Parcel 9B. The three ASTs have been removed. There are no covenants associated with the three ASTs which have been removed.

The GRANTEE is hereby notified that one AST is located on Parcel 10.

The GRANTEE shall be responsible for conducting all maintenance and addressing any releases at the existing ASTs on the property.

The GRANTEE shall perform maintenance, operation, release response, closures, and removals of ASTs in accordance with federal, state and local laws.

Underground Storage Tanks

The GRANTEE is hereby informed and does acknowledge that USTs were formerly present on Parcels 3, 4, and 9B. The tanks on Parcel 3, 4 and 9B have been removed. There are no covenants associated with structures which have been removed. However, fuel lines may still be present under the building and these fuel lines were not evaluated for potential releases.

The GRANTEE is hereby notified that evidence of a subsurface structure was identified in the paved area adjacent to Building 1744 of Parcel 9B during the 2007 VSI. The as-built drawings for Building 1744 did not indicate the presence of any structures in this area. Therefore, the nature and status of this structure are unknown. The GRANTEE shall be responsible for any necessary identification, removal, or modification of the structure. The GRANTEE shall perform the obligations in this **Underground Storage Tanks** section in a manner that ensures the protection of human health and the environment at all times. The GRANTEE shall be responsible for addressing any releases from or damage to the structure, including disposal of contaminated materials, in accordance with federal, state, and local environmental laws. The GRANTEE shall at its own expense at all times comply with all federal, state and local

environmental laws concerning the sampling, handling, storage, transportation, treatment and/or disposal of any hazardous materials on the property.

The GRANTEE is hereby informed and does acknowledge that one UST, J1, was previously identified as being located on Parcel 15 near Building 1883. There is no information available about this tank, and its location is not shown on as-built drawings for Building 1883. If the UST is found on Parcel 15, the GRANTEE shall be responsible for conducting maintenance and addressing any releases from the existing UST on the property. All UST closures and removals shall be conducted in accordance with federal, state and local laws.

Radiological Materials

The GRANTEE is hereby informed and does acknowledge that exit signs and smoke detectors containing tritium, which is a low-level radioactive source, may be present in buildings on Parcels 3, 4, 8, 9A, 9B, 10, 15 and 16.

The GRANTEE is hereby informed and does acknowledge that due to damage to the buildings, exit signs and smoke detectors may have been damaged.

The GRANTEE shall be responsible for identifying the exit signs and smoke detectors containing tritium. If the GRANTEE identifies any exit signs and smoke detectors containing tritium, the GRANTEE shall be responsible for maintenance, removal, and disposal of tritium-containing exit signs and smoke detectors in accordance with all appropriate federal, state and local laws.

The GRANTEE is hereby notified and does acknowledge that a detailed assessment for radon was performed in 1997 and 1998 on Parcel 10. During the assessment, one room in Building 152 (Receiving Office of the former Commissary) had a radon concentration of 6.8 pCi/L. An unsealed grease sump (inactive) was suspected to be the cause of the elevated radon. Subsequently, the grease sump pipe openings were sealed with hydraulic cement and the grease sump cover was sealed with a generous bead of polyurethane. Post-mitigation radon test results were less than 4 pCi/L (action level for radon). Therefore, no further action was recommended unless renovations are performed within the former Receiving Office in Building 152. Should there be any renovations within the former Receiving Office (including, but not limited to, disturbance of the sealed grease sump), the GRANTEE shall be responsible for the testing and, if necessary, mitigation of radon levels to ensure the safety of its occupants. The GRANTEE shall, at its own expense, at all times comply with all federal, state, and local environmental laws concerning radon levels on the property.

D. Historic Covenants (Parcels 3, 4, 8, 9A, 9B, 10, 15 and 16)

GRANTEE hereby covenants on behalf of itself, its successors, and assigns, and every successor in interest to the Property hereby conveyed, to protect and maintain the historic property described in Exhibit O, which is hereinafter referred to as the "Historic Property", in a manner described in this section. Grantee and its successors and assigns hereby agree to the following:

1. The GRANTEE agrees that any proposed action affecting said Historic Property will be administered in accordance with applicable Hawaii State law, rules and regulations, for example, Hawaii Revised Statutes, Chapter 6E and 205. This includes, but is not limited to, inadvertent discovery procedures outlined in Hawaii Revised Statutes Chapter 6E.
2. The GRANTEE shall consult with the SHPO and all interested parties requesting status as an interested party and concurred to by the SHPO prior to taking any proposed action on the Property that results in an effect to the significance of the Historic Property, as defined under applicable Hawaii State law, rules and regulations, for example Hawaii Administrative Rules Title 13, Chapter 284.
3. The GRANTEE shall provide the SHPO the opportunity to review and provide written concurrence that the proposed action will not have an effect to the Historic Property. The GRANTEE shall take reasonable measures to secure the Historic Property against vandalism and deterioration from human disturbances or exposure to natural elements due to neglect.
4. Commitments for preservation, rehabilitation, reconstruction, alteration, new construction, demolition, and restoration, shall be consistent with the Secretary of the Interior's Standards for Treatment of Historic Properties.
5. Nothing herein shall be construed to prevent the ordinary maintenance or repair of any feature in or on the Historic Property that does not involve a change in the design, material, or outer appearance or change in the characteristics which qualify the Historic Property for entry onto the Hawaii register of historic places or the National Register of Historic Places. Nothing herein shall be construed to prevent other mitigation commitments concurred to by the SHPO, including but not limited to, architectural recordation, archeological data recovery, historical data recovery, and ethnographic documentation.
6. The GRANTEE shall allow the SHPO access at all reasonable times and upon reasonable advanced notice to GRANTEE to inspect said Historic Property in order to ascertain whether the GRANTEE is complying with the conditions of these historic preservation covenants.
7. The failure by the SHPO to exercise any right or remedy granted under this covenant shall not have the effect of waiving or limiting the exercise by the SHPO of any other right or remedy or the use of such right or remedy at any other time.
8. To the extent provided under applicable Hawaii State law, in the event of a violation of this covenant, and in addition to any remedy provided by law, the SHPO may, following reasonable notice to the GRANTEE, institute any action to enjoin said violation or to require the restoration of said Historic Property to the condition prior to said violation.
9. This covenant shall be binding on the GRANTEE, as well as its successors and assigns, in perpetuity. The restrictions, stipulations, and covenants contained herein shall be inserted by the

GRANTEE, its successors, and its assigns, verbatim or by express reference, in any deed or other legal instrument by which such party divests itself of either the fee simple title or any lesser estate in said Historic Property or the Property or access thereto.

10. This covenant shall be a binding servitude upon the Property that includes the Historic Property and access thereto and shall be deemed to run with the land.

E. Electric-Utility Reservations

1. On-Parcel Electric-Utility Areas. GRANTOR hereby reserves from the foregoing conveyance those certain existing electrical transformers (excluding transformer pads, buildings and fencing), poles, wire lines, guy wires, anchors and/or underground wire lines, ducts, manholes, and such other appliances and equipment located within the Property, up to the appropriate electrical metering point of each building located on the Property, as said "metering point" is defined in the Hawaiian Electric Company, Inc. (HECO) "Electric Service Installation Manual" effective on the date of this conveyance and regardless of whether or not those meters have actually been installed; TOGETHER WITH perpetual easements and rights-of-way over, across, under, and through the areas on the Property on which such items are located as of the date of this Deed ("**On-Parcel Electric-Utility Areas**") for the operation, maintenance, repair, replacement, and/or removal of the said existing electric facilities located on the Property. GRANTOR reserves the right to unilaterally relinquish said perpetual easements.

2. Facilities Serving Other Properties. GRANTOR hereby reserves from the foregoing conveyance those certain electrical transformers (excluding transformer pads, buildings and fencing), poles, wire lines, guy wires, anchors and/or underground wire lines, ducts, manholes, and other appliances and equipment located within the Property that are utilized to provide electrical service for lots other than the Property, the locations of which are shown on HECO Drawings attached to this Deed as Exhibits I through M, all on file at HECO's office at 900 Richards Street, Honolulu, Hawaii 96813, and identified as "Easements for Existing Electrical Facilities" (all of the above electrical facilities are hereinafter referred to collectively as "**Other-Property Electric-Utility Facilities**"); TOGETHER WITH perpetual easements over, across, under, and through the areas on the Property on which the Other-Property Electric-Utility Facilities are located as of the date of this Deed ("**Other-Property Electric-Utility Facilities Areas**"), for the operation, maintenance, repair, replacement, and/or removal of said Other-Property Electric-Utility Facilities located on the Property; and further reserving to the GRANTOR, the rights to transfer such reserved easements to any governmental agency, or to any public, quasi-public or private utility services company, upon notice to, but without requirements for joinder or consent of GRANTEE or any person holding under or through GRANTEE.

3. Electric-Utility Easement Rights. GRANTOR further reserves the right to itself, or any person or entity designated by GRANTOR, including HECO, the right to survey the On-Parcel Electric-Utility Areas and Other-Property Electric-Utility Facilities Areas (collectively, "**Electric-Utility Facilities Areas**"). GRANTOR's right to survey said land areas includes the right to create metes and bounds maps and/or descriptions of the Electric-Utility Facilities Areas and the right to designate said easements on Land Court Map(s) over, across, under and through the Electric-Utility Facilities Areas for electric utility purposes, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding under or through GRANTEE. GRANTOR further reserves the right to cancel the perpetual easements reserved hereunder in this paragraph and to grant the above-referenced new specifically delineated easements to HECO or any other entity, upon notice to but without requirement for joinder or consent of GRANTEE or any person holding under or through GRANTEE. Notwithstanding the foregoing, if the Land Court or another court of competent jurisdiction requires a document to be executed by the GRANTEE in order for GRANTOR to file Land Court petitions to designate said easements or to otherwise effectuate the grant of said easements, the GRANTEE hereby appoints the GRANTOR as the GRANTEE's attorney-in-fact solely for the purpose of (1) filing all Land Court petitions necessary or appropriate to designate said easements on any Land Court Map(s), (2) granting such easements, and (3) doing all other things necessary to effectuate such grants. This power-of-attorney is coupled with an interest and is irrevocable. The GRANTOR reserves the right to unilaterally relinquish any easement described above, in whole or in part.

In addition, if the Land Court or another court of competent jurisdiction, notwithstanding the rights above, still requires GRANTEE to execute a document in order for GRANTOR to file Land Court petitions to designate easements, to file such grant of easements or to otherwise effectuate said grant, then by acquiring any interest in the Property, GRANTEE and each person holding under or through GRANTEE, agrees to cooperate, join in and/or consent to the GRANTOR's exercise of its rights hereunder if so requested by GRANTOR, which cooperation, joinder(s) or consent(s) shall not be unreasonably withheld, conditioned or delayed. Such persons further agree that if the requested cooperation, joinder or consent is not forthcoming within a reasonable period of time not to exceed forty-five (45) days, GRANTEE and such persons holding under or through GRANTEE shall be deemed to have irrevocably waived any right to consent to and/or join in the matter for which the consent or joinder was sought.

4. Telecommunication Facilities. GRANTOR hereby reserves from the foregoing conveyance those certain telecommunication facilities located within the Property, the location of said telecommunication facilities being shown on Naval Computer & Telecommunications Area Master Station Pacific drawing entitled, "NAS Barbers Point, Hawaii, Outside Plan Cable System-Cable Routing (Quads 1-11)", dated July 5, 2001, which is on file at the Naval Computer and Telecommunications Area Master Station, Pacific, Pearl Harbor, Hawaii 96860-3134 and attached to this Deed as Exhibit N (hereinafter collectively referred to as the "**Telecommunication Facilities**"), together with perpetual easements and rights-of-way, over, across, under and through the areas of the Property on which the existing telecommunication facilities are located as of the date of this Deed ("**Telecommunication-**

Facilities Areas”), for the purpose of operation, maintenance, repair, replacement, and removal of the Telecommunication Facilities; and further reserving to the GRANTOR or any person or entity designated by GRANTOR, the right to survey the Telecommunication-Facilities Areas, provided that GRANTOR's right to survey the Telecommunication-Facilities Areas includes the right to create metes and bounds maps and/or descriptions of the Telecommunication-Facilities Areas and the right to designate said easements on Land Court Map(s) over, across, under and through the Telecommunication-Facilities Areas for telecommunication service purposes, upon notice to, but without any requirement for joinder or consent of GRANTEE or any person holding under or through GRANTEE.

GRANTOR further reserves the right to grant such easements to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding under or through GRANTEE. Notwithstanding the foregoing, if the Land Court or another court of competent jurisdiction requires a document to be executed by the GRANTEE in order for GRANTOR to file Land Court petitions to designate said easements or to otherwise effectuate the grant of said easements, the GRANTEE hereby appoints the GRANTOR as the GRANTEE's attorney-in-fact solely for the purpose of (a) filing all Land Court petitions necessary or appropriate to designate said easements on any Land Court Map(s), (b) granting such easements, and (c) doing all other things necessary to effectuate such grants. This power-of-attorney is coupled with an interest and is irrevocable. The GRANTOR reserves the right to unilaterally relinquish any easement described above, in whole or in part. In addition, if the Land Court or another court of competent jurisdiction, notwithstanding the rights above, still requires GRANTEE to execute a document in order for GRANTOR to file Land Court petitions to designate easements, to file such grant of easements or to otherwise effectuate said grant, then by acquiring any interest in the Property, GRANTEE and each person holding under or through GRANTEE, agrees to cooperate, join in and/or consent to the GRANTOR's exercise of its rights hereunder if so requested by GRANTOR, which cooperation, joinder(s) or consent(s) shall not be unreasonably withheld, conditioned or delayed.

F. Additional Reservations and Provisions.

1. THE PROPERTY IS CONVEYED TO THE GRANTEE SUBJECT TO THE FOLLOWING RESERVATIONS, EXCEPTIONS, RESTRICTIONS AND CONDITIONS:

Any other rights-of-way, restrictions, reservations, easements and designation of easements of public record, across, over, along or under the Property, belonging to or in any way vested in other parties, as shall now exist.

2. All reservations of rights-of-way and easement areas in this Deed and the Exhibits shall be construed as narrowly as feasible in the reasonable discretion of GRANTOR.

3. Notwithstanding anything to the contrary in this Deed or any Exhibit, GRANTEE shall have the right to relocate any utility improvements and easements, provided that any relocation of such utility improvements and easements desired by GRANTEE shall be performed by GRANTEE at its sole expense and (1) in accordance with Navy Utilities design and construction standards and shall be subject to Government's prior review and approval of the plans for said relocation, as well as inspection and approval by the Contracting Officer in consultation with the cognizant Navy Utilities Department; or (2) if such utility improvements and easements have been transferred by the Government to a third-party utility provider, in accordance with applicable law and such utility provider's reasonable requirements. In connection with any such relocation, GRANTOR and GRANTEE shall execute any amendment, termination, or new easement grants necessary or desirable to properly document and effectuate such relocation.

III. THE CONDITIONS, RESTRICTIONS, RESERVATIONS, AND COVENANTS set forth herein are a binding servitude on the Property, shall inure to the benefit of GRANTOR and GRANTEE and their respective successors and assigns, and will be deemed to run with the land in perpetuity.

IV. The term "**GRANTEE**" shall mean GRANTEE and its successors and assigns.

V. "AS IS CONDITION". Except as otherwise provided herein, or as otherwise provided by law, GRANTEE acknowledges that it has inspected, is aware of, and accepts the condition and state of repair of the Property, and that the Property is conveyed "as is" and "where is", without any representation, promise, agreement, or warranty on the part of GRANTOR regarding such condition and state of repair, or regarding the making of any alterations, improvements, repairs or additions.

VI. GROUND LEASE.

A. GRANTOR and GRANTEE further acknowledge and agree that they are the "Lessor" and "Lessee", respectively, under that certain Unrecorded Real Estate Ground Lease for Barbers Point No. N6274208RP00057 (as amended "Lease"), for which a Memorandum of Lease effective February 1, 2009 was filed with the Land Court of the State of Hawaii as Document No. 3841817 ("Lease Memorandum"). The Lease is hereby cancelled, terminated and of no further force and effect with respect to the Property; provided, however, that Grantor and Grantee each reserves any and all rights, causes of action, damages, and claims that each has against the other relating to or arising from the Lease.

B. The Lease Memorandum is removed as an encumbrance on the title to the Property.

C. Notwithstanding the foregoing, there will be no merger of the leasehold estate created by the Lease with the fee estate in the Property or any part thereof by the

conveyance of the Property to the Grantee resulting from this deed. No such merger shall occur unless and until the Grantee executes an instrument causing such merger.


VII. HEADINGS AND CAPTIONS. The headings and captions in this instrument have been inserted solely for convenience of reference and have no effect upon the construction or interpretation of the provisions of this instrument.

VIII. EXHIBITS. Exhibit A through O attached to this Deed are incorporated into and made a part of this Deed.

Signature page follows.

IN WITNESS WHEREOF, GRANTOR has caused this Deed to be executed in the name and on behalf of GRANTOR by its duly authorized officer on the day first above written.

UNITED STATES OF AMERICA
Acting by and through the Department of the Navy

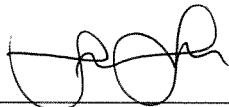
BY: 

RICHARD GREEN
Real Estate Contracting Officer
Naval Facilities Engineering Command, Hawaii

ACCEPTANCE AND ACKNOWLEDGMENT:

GRANTEE hereby accepts this Deed, acknowledges receipt of the documents described herein, and agrees to be bound by all the agreements, covenants, conditions and restrictions contained herein.

KALAELOA VENTURES, LLC

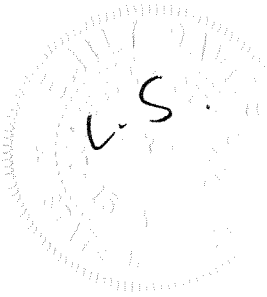
BY: 

THOMAS LEE
Vice President

Date: 12/19/17, 2017

STATE OF HAWAII)
) SS.
CITY AND COUNTY OF HONOLULU)

On **December 19, 2017**, before me personally appeared **THOMAS LEE** to me personally known to me or proved to me on the basis of satisfactory evidence, who, being by me duly sworn or affirmed, did say that such person executed the foregoing instrument as the free act and deed of such person in the capacity shown, having been duly authorized to execute such instrument in such capacity.



Emily Davids

Print name: Emily Davids
Notary Public, State of Hawaii
My commission expires: 11/15/19

Date of Doc: <u>undated</u>	# Pages: <u>148</u>
Name of Notary: <u>Emily Davids</u>	Notes: _____
Doc. Description: <u>Quitclaim Deed</u>	_____
(stamp or seal)	
<u><i>Emily Davids</i></u>	<u>12/19/17</u>
Notary Signature	Date
First Circuit, State of Hawaii	
NOTARY CERTIFICATION	

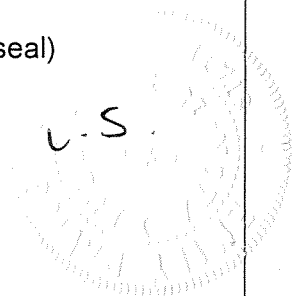


EXHIBIT LIST

Exhibit A: Parcel 3

Exhibit B: Parcel 4

Exhibit C: Parcel 8

Exhibit D: Parcel 9A

Exhibit E: Parcel 9B

Exhibit F: Parcel 10

Exhibit G: Parcel 15

Exhibit H: Parcel 16

Exhibit I: Map C4629, Quad 3

Exhibit J: Map C4633, Quad 7

Exhibit K: Map C4634, Quad 8

Exhibit L: Map C4635, Quad 9

Exhibit M: Map C4636, Quad 10

Exhibit N: Map of Outside Plan Cable System-Cable Routing, Quads 1-11

Exhibit O: Historic Buildings Chart

EXHIBIT A

PARCEL 3

That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as "**Parcel 3**":
 - a. Lots 13051-A-1, 13051-A-2, and 13051-A-3, consisting of an area of 25.053 acres, more or less, shown on Map 1609 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR TOGETHER WITH rights of ingress and egress to the aforementioned Lots, as noted on Land Court Order No. 150884 [TMK Nos. (1) 9-1-013-128; (1) 9-1-013-129; and (1) 9-1-013-130].
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 3, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 3.

EXCEPTING AND RESERVING, HOWEVER, unto the GRANTOR and its successors and assigns, all of the following utility facilities, easements, rights-of-way and other rights and entitlements.

1. Those certain electric utility facilities, that are located within Parcel 3 and are utilized to provide electric service to lots other than Parcel 3, location of said electric utility facilities being within the following easements:
 - a. Easements 9904, 9905 and 9906, as shown on Map 1430, as set forth in Land Court Order No. 177587, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, as to a portion of the property covered by Certificate of Title No. 529,664, issued to Grantor.

Together with perpetual easements and rights-of-way over, across, under and through said Easements 9904, 9905 and 9906 for the operation, maintenance, repair, replacement and removal of all said electric facilities; and further reserving to the GRANTOR, the right to transfer such easements, to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding or through GRANTEE.

EXHIBIT B

PARCEL 4

That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as "**Parcel 4**":
 - a. Lot 13051-D, consisting of an area of 3.384 acres, more or less, shown on Map 1165 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR, TOGETHER WITH rights of ingress and egress to Lot 13051-D, as noted on Land Court Order No. 150884 [TMK No. (1) 9-1-013-079];
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 4, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 4.

EXCEPTING AND RESERVING, HOWEVER, unto the GRANTOR and its successors and assigns, all of the following utility facilities, easements, rights-of-way and other rights and entitlements.

1. Those certain electric utility facilities, that are located within Parcel 4 and are utilized to provide electric service to lots other than Parcel 4, location of said electric utility facilities being within the following easements:
 - a. Easements 9910 and 9911, as shown on Map 1430, as set forth in Land Court Order No. 177587, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, as to a portion of the property covered by Certificate of Title No. 529,664, issued to Grantor.

Together with perpetual easements and rights-of-way over, across, under and through said Easements 9910 and 9911 for the operation, maintenance, repair, replacement and removal of all said electric facilities; and further reserving to the GRANTOR, the right to transfer such easements, to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding or through GRANTEE.

EXHIBIT C

PARCEL 8

That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as "**Parcel 8**":
 - a. Lot 13064-B, consisting of an area of 1.208 acres, more or less, shown on Map 966 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR, TOGETHER WITH rights of ingress and egress to Lot 13064-B, as noted on Land Court Order No. 135089 [TMK No. (1) 9-1-013-057];
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 8, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 8.

EXCEPTING AND RESERVING, HOWEVER, unto the GRANTOR and its successors and assigns, all of the following utility facilities, easements, rights-of-way and other rights and entitlements.

1. Those certain electric utility facilities, that are located within Parcel 8 and are utilized to provide electric service to lots other than Parcel 8, location of said electric utility facilities being within the following easements:
 - a. Easements 9930 and 9931, As shown on Map 1432, as set forth in Land Court Order No. 177753, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, as to a portion of the property covered by Certificate of Title No. 529,664, issued to Grantor.

Together with perpetual easements and rights-of-way over, across, under and through said Easement 9930 and 9931 for the operation, maintenance, repair, replacement and removal of all said electric facilities; and further reserving to the GRANTOR, the right to transfer such easements, to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding or through GRANTEE.

EXHIBIT D

PARCEL 9A

That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as “**Parcel 9A**”:
 - a. Lot 13063-A, consisting of an area of 13.253 acres, more or less, shown on Map 966 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR, TOGETHER WITH rights of ingress and egress to Lot 13063-A, as noted on Land Court Order No. 135089 [TMK No. (1) 9-1-013-023];
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 9A, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 9A.

EXCEPTING AND RESERVING, HOWEVER, unto the GRANTOR and its successors and assigns, all of the following utility facilities, easements, rights-of-way and other rights and entitlements.

1. Those certain electric utility facilities, that are located within Parcel 9A and are utilized to provide electric service to lots other than Parcel 9A, location of said electric utility facilities being within the following easements:
 - a. Easements 9921, 9923, 9924, 9925 and 9926, as shown on Map 1432, as set forth in Land Court Order No. 177753, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, as to a portion of the property covered by Certificate of Title No. 529,664, issued to Grantor.

Together with perpetual easements and rights-of-way over, across, under and through said Easements 9921, 9923, 9924, 9925 and 9926 for the operation, maintenance, repair, replacement and removal of all said electric facilities; and further reserving to the GRANTOR, the right to transfer such easements, to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding or through GRANTEE.

EXHIBIT E

PARCEL 9B

That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as “**Parcel 9B**”:
 - a. Lot 13063-B, consisting of an area of 0.279 acres, more or less, shown on Map 966 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR, TOGETHER WITH rights of ingress and egress to Lot 13063-A, as noted on Land Court Order No. 135089 [TMK No. (1) 9-1-013-051];
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 9B, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 9B.

EXCEPTING AND RESERVING, HOWEVER, unto the GRANTOR and its successors and assigns, all of the following utility facilities, easements, rights-of-way and other rights and entitlements.

1. Those certain electric utility facilities, that are located within Parcel 9B and are utilized to provide electric service to lots other than Parcel 9B, location of said electric utility facilities being within the following easements:
 - a. Easements 9921 and 9926, as shown on Map 1432, as set forth in Land Court Order No. 177753, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, as to a portion of the property covered by Certificate of Title No. 529,664, issued to Grantor.

Together with perpetual easements and rights-of-way over, across, under and through said Easements 9921 and 9926 for the operation, maintenance, repair, replacement and removal of all said electric facilities; and further reserving to the GRANTOR, the right to transfer such easements, to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding or through GRANTEE.

EXHIBIT F

PARCEL 10

That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as “**Parcel 10**”:
 - a. Lot 13061-D-1, consisting of an area of 3.809 acres, more or less, shown on Map 1366 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR, TOGETHER WITH rights of ingress and egress to Lot 13061-D-1, as noted on Land Court Order No. 173543 [TMK No. (1) 9-1-013-097];
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 10, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 10.

EXCEPTING AND RESERVING, HOWEVER, unto the GRANTOR and its successors and assigns, all of the following utility facilities, easements, rights-of-way and other rights and entitlements.

1. Those certain electric utility facilities, that are located within Parcel 10 and are utilized to provide electric service to lots other than Parcel 10, location of said electric utility facilities being within the following easements:
 - a. Easement 10086, inclusive, as shown on Map 1458, as set forth in Land Court Order No. 178445, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, as to a portion of the property covered by Certificate of Title No. 529,664, issued to Grantor.

Together with perpetual easements and rights-of-way over, across, under and through said Easement 10086, inclusive for the operation, maintenance, repair, replacement and removal of all said electric facilities; and further reserving to the GRANTOR, the right to transfer such easements, to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding or through GRANTEE.

EXHIBIT G

PARCEL 15

That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as “Parcel 15”:
 - a. Lot 13054-B, consisting of an area of 22.068 acres, more or less, shown on Map 1166 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR, TOGETHER WITH rights of ingress and egress to Lot 13054-B, as noted on Land Court Order No. 151173 [TMK No. (1) 9-1-013-081];
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 15, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 15.

EXCEPTING AND RESERVING, HOWEVER, unto the GRANTOR and its successors and assigns, all of the following utility facilities, easements, rights-of-way and other rights and entitlements.

1. Those certain electric utility facilities, that are located within Parcel 15 and are utilized to provide electric service to lots other than Parcel 15, location of said electric utility facilities being within the following easements:
 - a. Easements 9941, 9942, and 9943, as shown on Map 1434, as set forth in Land Court Order No. 177756, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, as to a portion of the property covered by Certificate of Title No. 529,664, issued to Grantor.

Together with perpetual easements and rights-of-way over, across, under and through said Easements 9941, 9942, and 9943, for the operation, maintenance, repair, replacement and removal of all said electric facilities; and further reserving to the GRANTOR, the right to transfer such easements, to any governmental agency, or to any public, quasi-public or private utility service company, upon notice to, but without requirement for joinder or consent of GRANTEE or any person holding or through GRANTEE.

EXHIBIT H

PARCEL 16

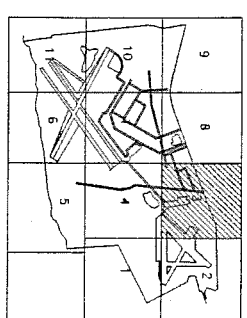
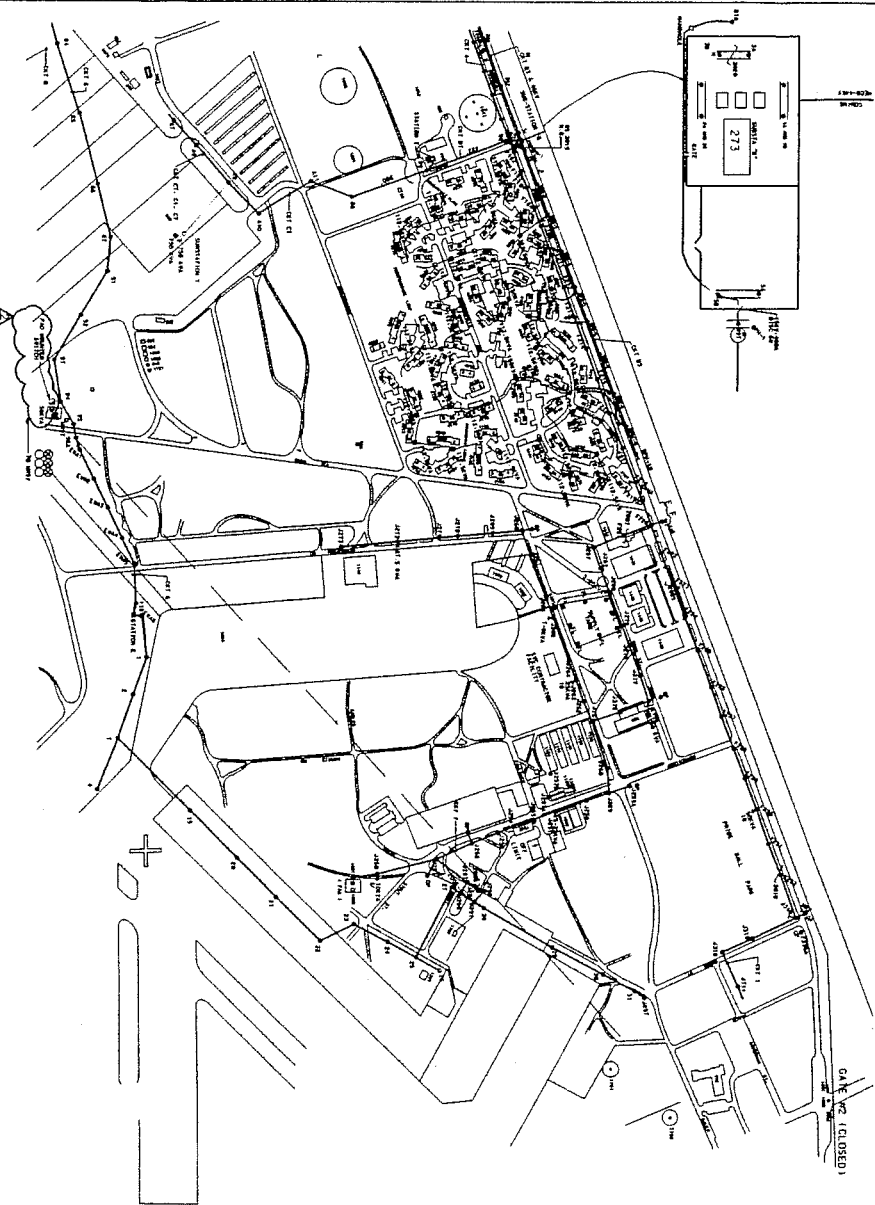
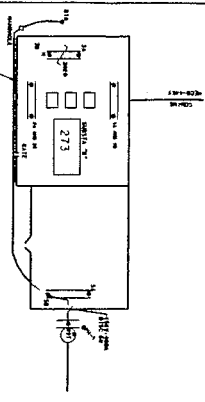
That certain property consisting of the following real and related personal property:

1. The following parcels of land, hereinafter referred to as "**Parcel 16**":
 - a. Lot 13054-D, consisting of an area of 0.936 acres, more or less, shown on Map 1166 filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application 1069, covered by Transfer Certificate of Title No. 529,664, issued to the GRANTOR, TOGETHER WITH rights of ingress and egress to Lot 13054-D, as noted on Land Court Order No. 151173 [TMK No. (1) 9-1-013-083];
2. Those certain facilities and rights consisting of:
 - a. All improvements located on Parcel 16, except those improvements hereinafter specifically excluded.
 - b. All personal property located on Parcel 16.

Exhibit I

Map C4629, Quad 3

(attached)



KEY PLAN

- LEGEND
- PROJECT SITE NOT COVERED BY THIS ASSESSMENT FOR EXISTING ELECTRICAL FACILITIES
 - ASSESSMENT FOR EXISTING ELECTRICAL FACILITIES
 - OVERHEAD ELECTRICAL LINE, 48 KV AND 12 KV
 - OVERHEAD ELECTRICAL LINE, 4 KV
 - UNDERGROUND ELECTRICAL LINE
 - 125 KV POWER LINE
 - 15 KV POWER LINE
 - 4 KV POWER LINE
 - 12 KV POWER LINE
 - 48 KV POWER LINE
 - TRANSFORMER
 - METER
 - METER BOX
 - METER ENCLOSURE
 - METER ROOM
 - ELECTRICAL SERVICE TO HOUSE
 - ELECTRICAL SERVICE TO BUSINESS
 - ELECTRICAL SERVICE TO INDUSTRIAL
 - ELECTRICAL SERVICE TO PUBLIC
 - ELECTRICAL SERVICE TO OTHER
 - PROJECT SITE NOT COVERED BY THIS ASSESSMENT FOR EXISTING ELECTRICAL FACILITIES
 - ASSESSMENT FOR EXISTING ELECTRICAL FACILITIES
 - OVERHEAD ELECTRICAL LINE, 48 KV AND 12 KV
 - OVERHEAD ELECTRICAL LINE, 4 KV
 - UNDERGROUND ELECTRICAL LINE
 - 125 KV POWER LINE
 - 15 KV POWER LINE
 - 4 KV POWER LINE
 - 12 KV POWER LINE
 - 48 KV POWER LINE
 - TRANSFORMER
 - METER
 - METER BOX
 - METER ENCLOSURE
 - METER ROOM
 - ELECTRICAL SERVICE TO HOUSE
 - ELECTRICAL SERVICE TO BUSINESS
 - ELECTRICAL SERVICE TO INDUSTRIAL
 - ELECTRICAL SERVICE TO PUBLIC
 - ELECTRICAL SERVICE TO OTHER



NO.	DATE	DESCRIPTION OF REVISIONS TO SET	BY	CHKD
1	01/15/11	ISSUED FOR PERMITTING OF PROJECT TO CITY		
2	03/10/11	ISSUED FOR PERMITTING OF PROJECT TO MIAMI-DADE COUNTY		
BARBERS POINT HAS ELECTRICAL EASEMENTS 48KV, 12KV AND 4KV LINES				
DESIGNED BY	SCALE	CHECKED BY	SCALE	DATE
ENGINEER IN CHARGE	AS SHOWN	DATE REVIEWED	SCALE OF PLAN	
APPROVED: E. CHE F. IRIYAKAWA		ENGINEER IN CHARGE F. IRIYAKAWA, P.E. ELECTRICAL ENGINEERING, INC.		
DRAWING NUMBER	C4629			PAGE
				2

Exhibit J

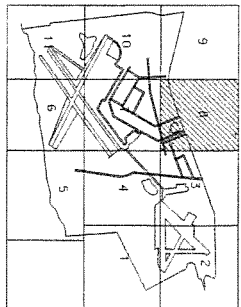
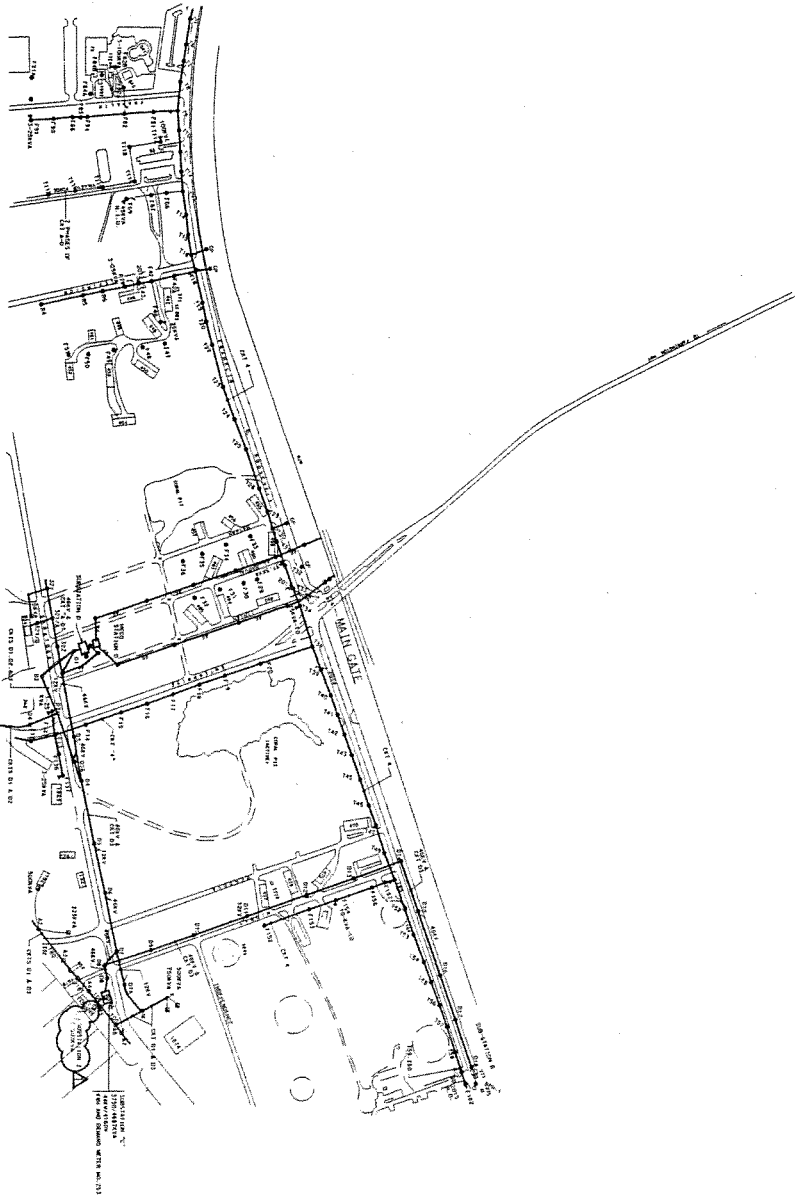
Map C4633, Quad 7

(attached)

Exhibit K

Map C4634, Quad 8

(attached)



LEGEND

- 15KV-12KV-4KV LINES
- CONDUIT
- TRIP
- DISCONNECT
- SWITCH
- TRANSFORMER
- PANEL
- MOUNTING BRACKET
- ELECTRICAL SYMBOLS AND DEVICES



NO.	DATE	DESCRIPTION	BY	CHECKED
1	6/20/02	ISSUED FOR CONSTRUCTION OF PROJECT TO WYMAN	MSH	MSH

BARBERS POINT NAS ELECTRICAL ESSEMENTS
QUAD 10
4KV, 12KV & 15KV LINES

DESIGNED BY: E. CHE
 DRAWN BY: F. HIRAYAMA
 CHECKED BY: [Blank]
 SCALE: 1"=300'
 DATE: 02/07/02
 CONTRACT NO.: [Blank]
 PROJECT NO.: [Blank]
 SHEET NO.: [Blank] OF [Blank]
 PROJECT TITLE: [Blank]

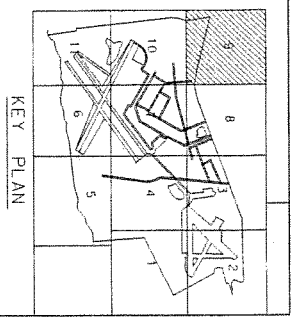
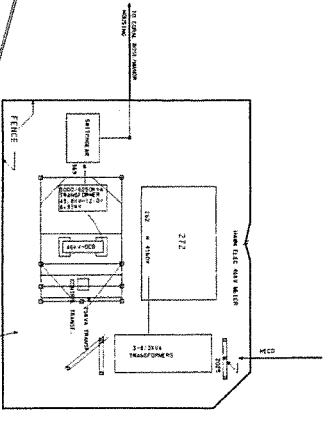
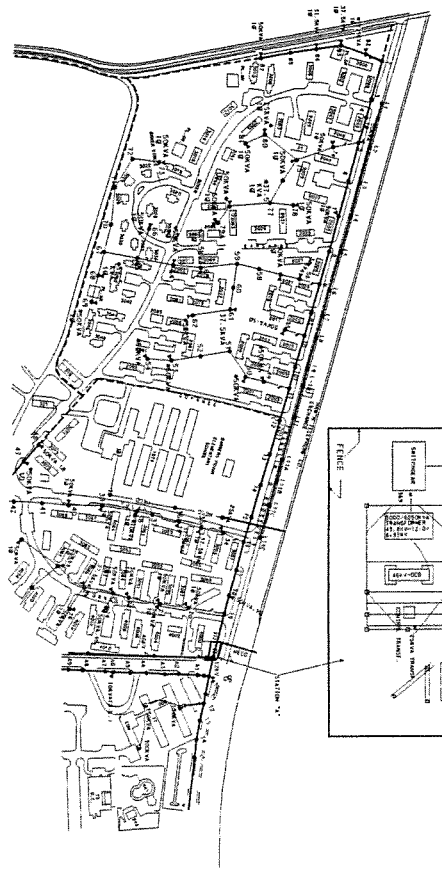
APPROVAL: E. CHE
 F. HIRAYAMA

C4634 **1**

Exhibit L

Map C4635, Quad 9

(attached)



LEGEND

- EXISTING LOW VOLTAGE ELECTRICAL INSTALLATIONS
- EXISTING HIGH VOLTAGE ELECTRICAL INSTALLATIONS
- EXISTING TELEPHONE
- EXISTING CABLE
- EXISTING FIRE ALARMS
- EXISTING FUEL GAS
- EXISTING AIR CONDITIONING
- EXISTING WATER
- EXISTING SEWER
- EXISTING SANITARY
- EXISTING SLOPE
- EXISTING GRADE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING DRIVEWAY
- EXISTING SIDEWALK
- EXISTING PAVEMENT
- EXISTING CURB
- EXISTING FENCE
- EXISTING GATE
- EXISTING SIGN
- EXISTING LIGHT
- EXISTING TREE
- EXISTING SHrub
- EXISTING SAND
- EXISTING GRAVEL
- EXISTING ROCK
- EXISTING BRICK
- EXISTING TILE
- EXISTING MASONRY
- EXISTING METAL
- EXISTING WOOD
- EXISTING PAINT
- EXISTING STAIN
- EXISTING VARNISH
- EXISTING GLASS
- EXISTING CERAMIC
- EXISTING PLASTER
- EXISTING Gypsum
- EXISTING INSULATION
- EXISTING ROOFING
- EXISTING LINING
- EXISTING COATING
- EXISTING FINISH



NO.	DATE	REVISION	BY	CHK'D	APP'D
BARBERS POINT NAS ELECTRICAL EASEMENTS					
46KV, 12KV & 4KV LINES					
DESIGNED BY: [Signature]					
CHECKED BY: [Signature]					
APPROVED BY: [Signature]					
E. ONE [Signature]					
F. HERMAN [Signature]					
SCALE: P.300					DATE: 07/07/59
DRAWING NUMBER: C4635					REV: 0

Exhibit M

Map C4636, Quad 10

(attached)

Exhibit N

Map of Outside Plan Cable System-Cable Routing, Quads 1-11

(attached)

Hawaii Information Transfer System BARBERS POINT NAVAL AIR STATION KAPOLEI, OAHU, HAWAII

ABBREVIATIONS

A	ANG - ANGLE	CLIP	COLUMN	FCU	FAN COIL UNITS	NTC	NOT IN CONTACT	SAR	SHEAR AIR REGISTER	W	WITH
B	BANK - BANKING	COMP	COMPRESSOR	FL	FLOOR FINISH	NO	NO	SC	SMOKE CURTAIN	W/	WITH
C	CONC - CONCRETE	COND	CONDENSER	FLA	FLOOR LOAD AREAS	NS	NOT TO SCALE	SCHE	SCHEMATIC	WO	WITHOUT
D	DIAM - DIAMETER	CONSTR	CONSTRUCTION	FLD	FLOOR LAYOUT	N/S	NORTH TO SCALE	SD	SMOKE DETECTOR	WO/	WITHOUT
E	ELEC - ELECTRICAL	CONTR	CONTRACT	FO	FLOOR FINISH	OP	OPPOSITE	SE	SEWER	WO/	WITHOUT
F	FLUSH - FLUSHING	CPER	CONTRACTOR	FR	FRONT	OFF	OFFICER	SEI	SEWER INSULATION	WO/	WITHOUT
G	GRAB - GRAB	CORR	CORROSION	GR	GROUND	OPP	OPPOSITE	SEI	SEWER INSULATION	W/	WITH
H	HAND - HAND	COMM	COMMUNICATIONS	GRG	GRAB BAR	OPN	OPENING	SEI	SEWER INSULATION	WT	WEIGHT
I	INST - INSTRUMENTATION	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
J	JACK - JACK	COIN	COINTEGRATION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
K	KITCHEN - KITCHEN	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
L	LAMP - LAMP	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
M	MACHINE - MACHINE	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
N	NAIL - NAIL	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
O	OPEN - OPEN	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
P	PIPE - PIPE	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
Q	QUALITY - QUALITY	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
R	ROOM - ROOM	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
S	STAIR - STAIR	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
T	TILE - TILE	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
U	UNIT - UNIT	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
V	VARIABLE - VARIABLE	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
W	WALL - WALL	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
X	X-RAY - X-RAY	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
Y	YIELD - YIELD	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		
Z	ZONE - ZONE	CONV	CONVERSION	H	HANDRAIL	OPN	OPENING	SEI	SEWER INSULATION		

- PANKOW SPECIAL PROJECTS, L.P.
 - DESIGN/BUILD CONTRACTOR
- AWA & ASSOCIATES LLC
 - ARCHITECT
- HEIDE & COOK
 - MECHANICAL DESIGN/SUBCONTRACTOR
- MOSS ENGINEERING, INC.
 - ELECTRICAL DESIGN
- SASCO ELECTRIC
 - ELECTRICAL SUBCONTRACTOR
- HAWAII INSTRUMENTATION & CONTROLS, INC.
 - SECURITY/FIRE DETECTION/FIRE SUPPRESSION

ENCLOSURE DRAWINGS (VOL. #1)

BSP-T-1 SHEET NUMBER
ENCLOSURE TITLE

OSP DRAWINGS (VOL. #2)

BSP-T-1 SHEET NUMBER
ENCLOSURE TITLE
ENCLOSURE TITLE

ALL OTHER (VOL. #3)

BSP-92-CA-1 SHEET NUMBER
ENCLOSURE TITLE
ENCLOSURE TITLE

ENCLOSURE TITLE

ENCLOSURE TITLE

ENCLOSURE TITLE

VICINITY MAP

PROJECT LOCATION
BARBERS POINT NAVAL AIR STATION

ISLAND OF OAHU

VICINITY MAP NOT TO SCALE

BSP-T-1

ENCLOSURE TITLE

ENCLOSURE TITLE

ENCLOSURE TITLE

ENCLOSURE TITLE

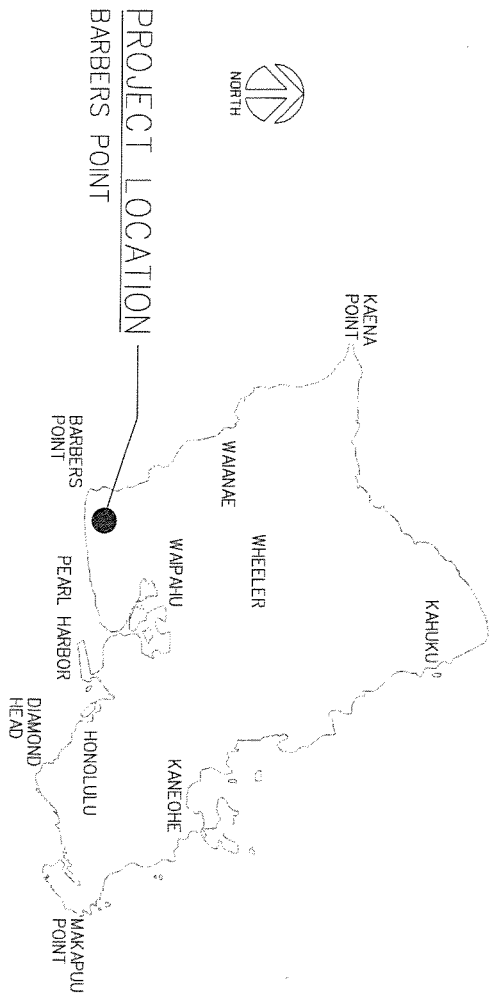
NO.	DESCRIPTION	DATE	BY	CHECKED BY
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2	AS BUILT CONDITION AS OF	10/20/2000	AS	AS

Hawaii Information Transfer System

BARBERS POINT NAVAL AIR STATION

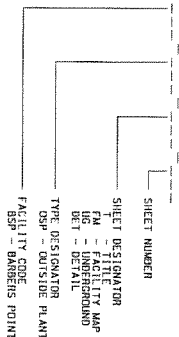
VOLUME 2 BSP-OSP
 KAPOLEI, OAHU, HAWAII

VICINITY MAP



ISLAND OF OAHU

CROSS REFERENCE CONVENTION



DRAWING/SHEET NUMBER

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SERVICE AREA INTERFACE		CAPACITOR		MANHOLE		TELEPHONE POLE		AERIAL CABLE
	FIELD COUNT TERMINAL		CAPACITOR WITH CASE		OCTAGON MANHOLE		JOINT POLE		BURIED CABLE
	READY ACCESS TERMINAL		PAN CAN		HANDHOLE/PULLBOX		POWER POLE		SLANTING CABLE
	PROTECTED TERMINAL		CROSS CONNECT		DUCT CONFIGURATION		RISE		UNDERGROUND CABLE
	REPEATER		LOAD POINT		PERISCOPE		ANCHOR		AERIAL WIRE
									RISE WIRE
									NON-GFE ON DEAD CABLE

<p>IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REVERSED. FOR GRAPHIC SCALE FOR REDUCED DRAWING BSP-BSP-T-1</p>	<p>DATE: 08-29-2002 DRAWING NO.: 08-29-2002 SHEET NO.: 08-29-2002 PROJECT NO.: 11-19-2000</p>	<p>PROJECT: BARBERS POINT NAVAL AIR STATION (HITS) CONTRACT OUTSIDE PLANT CABLE SYSTEM KAPOLEI, OAHU, HAWAII</p>
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BUILDING	EXTENSION	CABLE FROM	TO	PAINS	LOCATION	STREETS	FACILITY MAP	BUILDING	EXTENSION	CABLE FROM	TO	PAINS	LOCATION	STREETS	FACILITY MAP	BUILDING	EXTENSION	CABLE FROM	TO	PAINS	LOCATION	STREETS	FACILITY MAP
1148		26	1	50	50	by Sango Lagoon	4010550																
1175		26	1	35	25	by Sango Lagoon	4010550																
201	P	15	29	35	11	Santa St	4010550																
1545	AH	15	1	16	16	Santa St	4010550																
339		23	41	51	11	Pana St	4010550																
231		23	76	101	28	Pana St	4010550																
1422	P	29	51	15	23	Pana St	4010550																
1160		26	28	26	26	by Sango Lagoon	4023550																
1023		16	76	91	16	Ameri/ School St	4023550																
312		16	1	100	100	Wilson Rd	4023550																
312		17	1	100	100	Wilson Rd	4023550																
312		17	1	50	50	Wilson Rd	4023550																
312		17	1	100	100	Wilson Rd	4023550																
312		21	1	100	100	Wilson Rd	4023550																
312		22	1	100	100	Wilson Rd	4023550																
312		21	1	200	200	Wilson Rd	4023550																
312		21	1	100	100	Wilson Rd	4023550																
312		21	1	100	100	Wilson Rd	4023550																
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IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REDUCED
USE GRAPHIC SCALE FOR REDUCED DRAWING

BSP-OSP-T-3TBD1

TYPE	DESCRIPTION	PROJECT NO.	SCALE	DATE
AS BUILT	HAWAII INFORMATION TRANSFER SYSTEM GARDNER POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM KAPOLEI, OAHU, HAWAII	DA330-97-D-002	NONE	SPC CDRL A0091 Jan 6 or 128

THIS SHEET INTENTIONALLY LEFT BLANK

IF SHEET IS SWAPED FROM 78 TO 80, PRINTING IS REQUIRED.

BSP-OSP-3TBD2

LINE	DESCRIPTION	ITEM NO.	UNIT	QUANTITY
1	DATA CENTER 219 SOUTH WHEEL ROAD, #201 HONOLULU, HAWAII 96819 RECORDS FROM HAWAII AIR STATION OUTSIDE STORAGE SYSTEM FACILITY, HONOLULU, HAWAII	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT RECORDS FROM HAWAII AIR STATION OUTSIDE STORAGE SYSTEM FACILITY, HONOLULU, HAWAII		

ACTIVITY INFORMATION

DATE: 08-29-2002

TIME: 08:00 AM

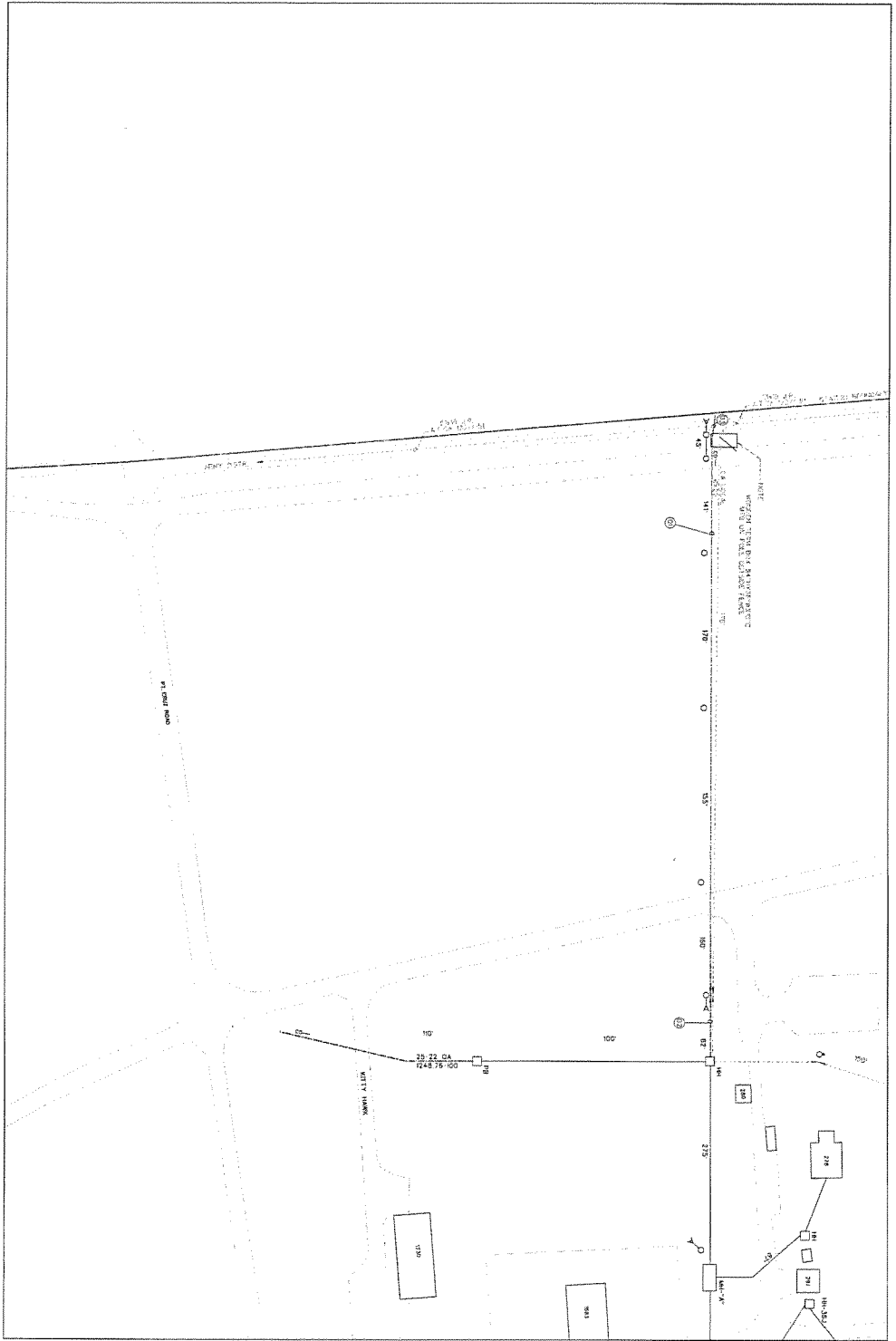
BY: [REDACTED]

DCASID: 97-0-002

PRINT NAME: [REDACTED]

PRINT CODE: A009

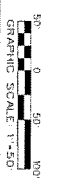
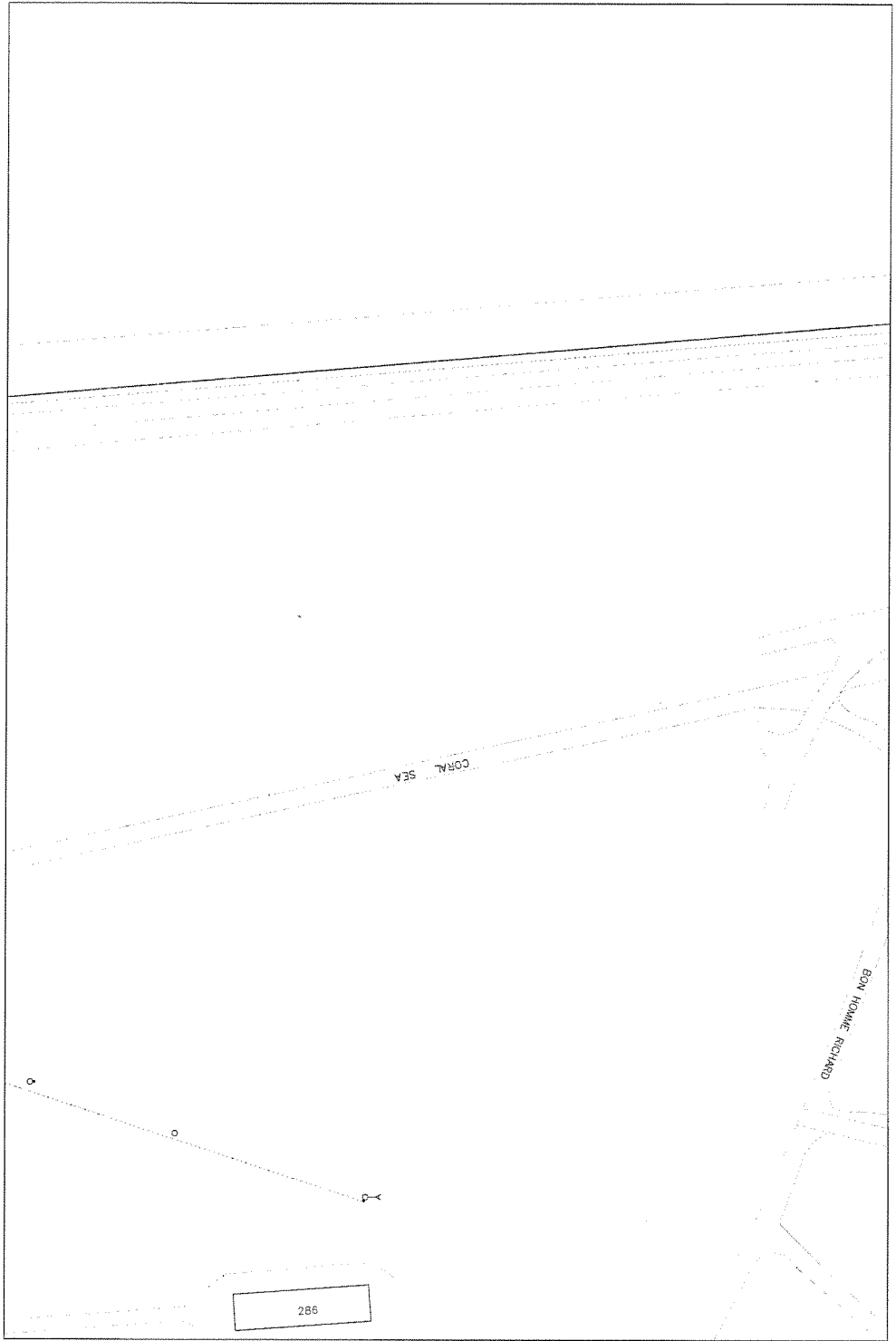
Page 7 of 128



DATE	DESCRIPTION
4/20/2000	REVISED DRAWING
4/20/2000	REVISED DRAWING
4/20/2000	REVISED DRAWING

THIS SHEET IS SHOWN ON MAP 282 OF AIRBORNE IS REVERED.
 BSP-OSP-FM-46900500

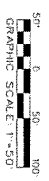
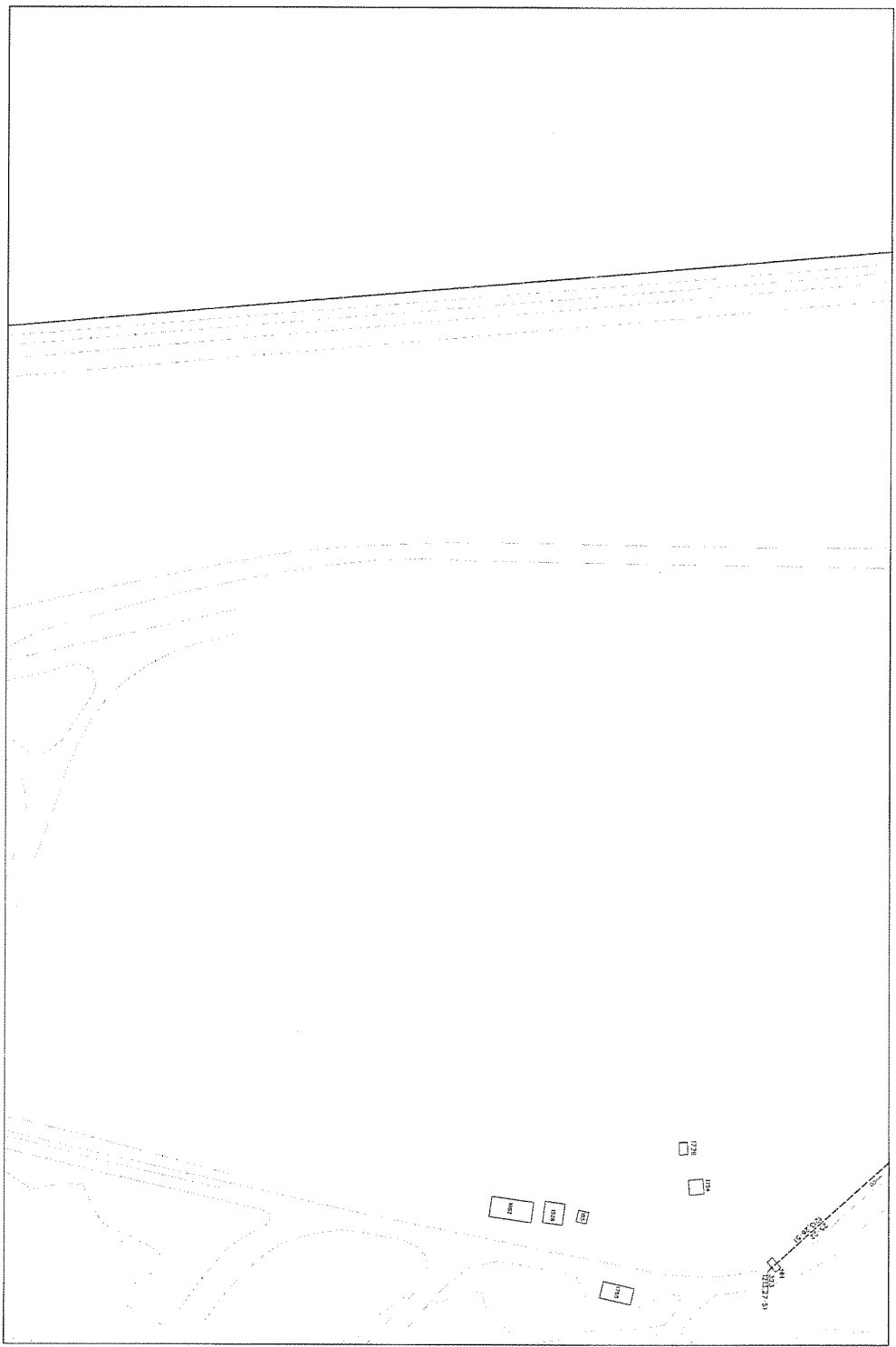
DATE	DESCRIPTION		
AS BUILT UPDATE AS OF 08-28-2002			
AS BUILT CONDITION AS OF 06-20-2000			
REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	08/28/2002		AS BUILT UPDATE
2	06/20/2000		AS BUILT CONDITION
PROJECT INFORMATION			
PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM		
PROJECT NO.	06A100-97-0-002		
PROJECT LOCATION	KALIHI HAWAII, HAWAII		
PROJECT OWNER	HAWAII AIR NATIONAL GUARD		
PROJECT CONTRACTOR	HAWAII AIR NATIONAL GUARD		
PROJECT ARCHITECT	HAWAII AIR NATIONAL GUARD		
PROJECT ENGINEER	HAWAII AIR NATIONAL GUARD		
PROJECT SURVEYOR	HAWAII AIR NATIONAL GUARD		
PROJECT DRAFTER	HAWAII AIR NATIONAL GUARD		
PROJECT CHECKER	HAWAII AIR NATIONAL GUARD		
PROJECT APPROVER	HAWAII AIR NATIONAL GUARD		



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BSP-OSP-FM-46900510

ASSEMBLY DRAWING AS OF 08/29/2002	DATE	BY	APP'D
AS-BUILT CONDITION AS OF 09/20/2000	DATE	BY	APP'D
REVISIONS			
31st Yearly Update	DATE	BY	APP'D
2002	08/29/2002		
2001	11-15-2000		
HAWAII INFORMATION TRANSFER SYSTEM			
BOHNER POINT NAVAL AIR STATION			
DUITS IDENTIFICATION SYSTEM			
FRENCH, GARD, HAWAII			
OUTSIDE PLANT FACILITY MAP			
DATE	SCALE	PROJECT NO.	REV.
08/29/2002	1"=50'	DCAA00-97-D-002	9 of 128



DATE: 08/28/2002
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 CHECKED BY: [unintelligible]

PROJECT NO: 46900520
 SHEET NO: 1 OF 1

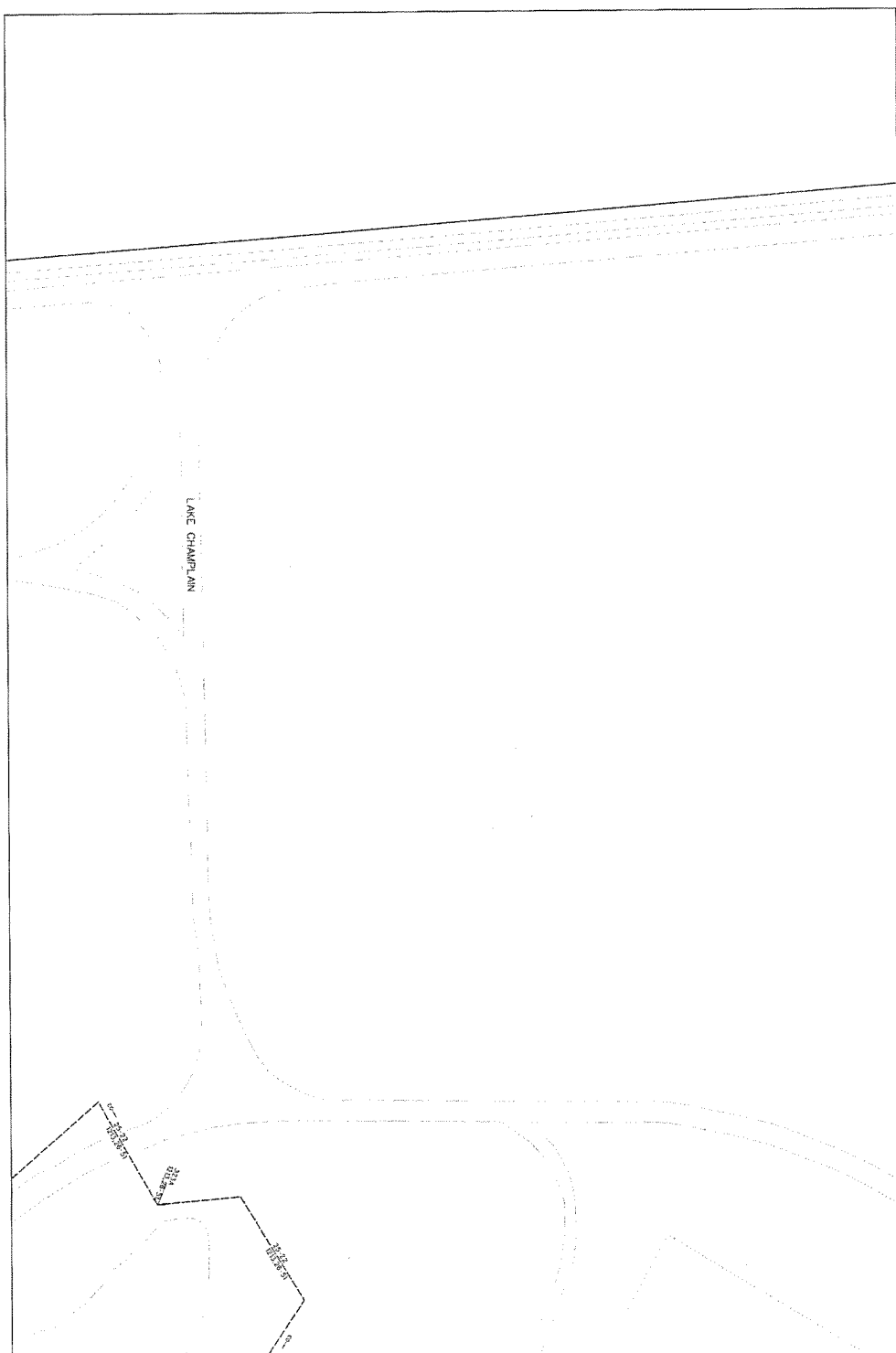
IF GIVEN IN SCALE FROM 28 X 40 DRAWING IS REDUCED
BSP-OSP-FM-46900520

NO.	REVISIONS	DATE
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2	AS-BUILT CORRECTION AS OF 09-20-2000	
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100	REVISIONS	

PROJECT NO: 46900520
 SHEET NO: 1 OF 1

DATE: 08/28/2002
 DRAWN BY: [unintelligible]
 CHECKED BY: [unintelligible]

IF GIVEN IN SCALE FROM 28 X 40 DRAWING IS REDUCED
BSP-OSP-FM-46900520



LAKE CHAMPLAIN



VERTICAL SCALE: 1"=50'

IF SHEET IS SMALLER THAN 24 X 36, DIMENSIONS IS REDUCED.

46900530	46900530	46900530
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BSP-OSP-FM-46900530

DATE SUBMITTED	NOV 19 1958
BY	W. J. ...
FOR	...
PROJECT	...

REVISIONS

DATE: 11-15-2000

BY: ...

DESCRIPTION: ...

DESCRIPTION

HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT

BARBERS POINT NAVAL AIR STATION

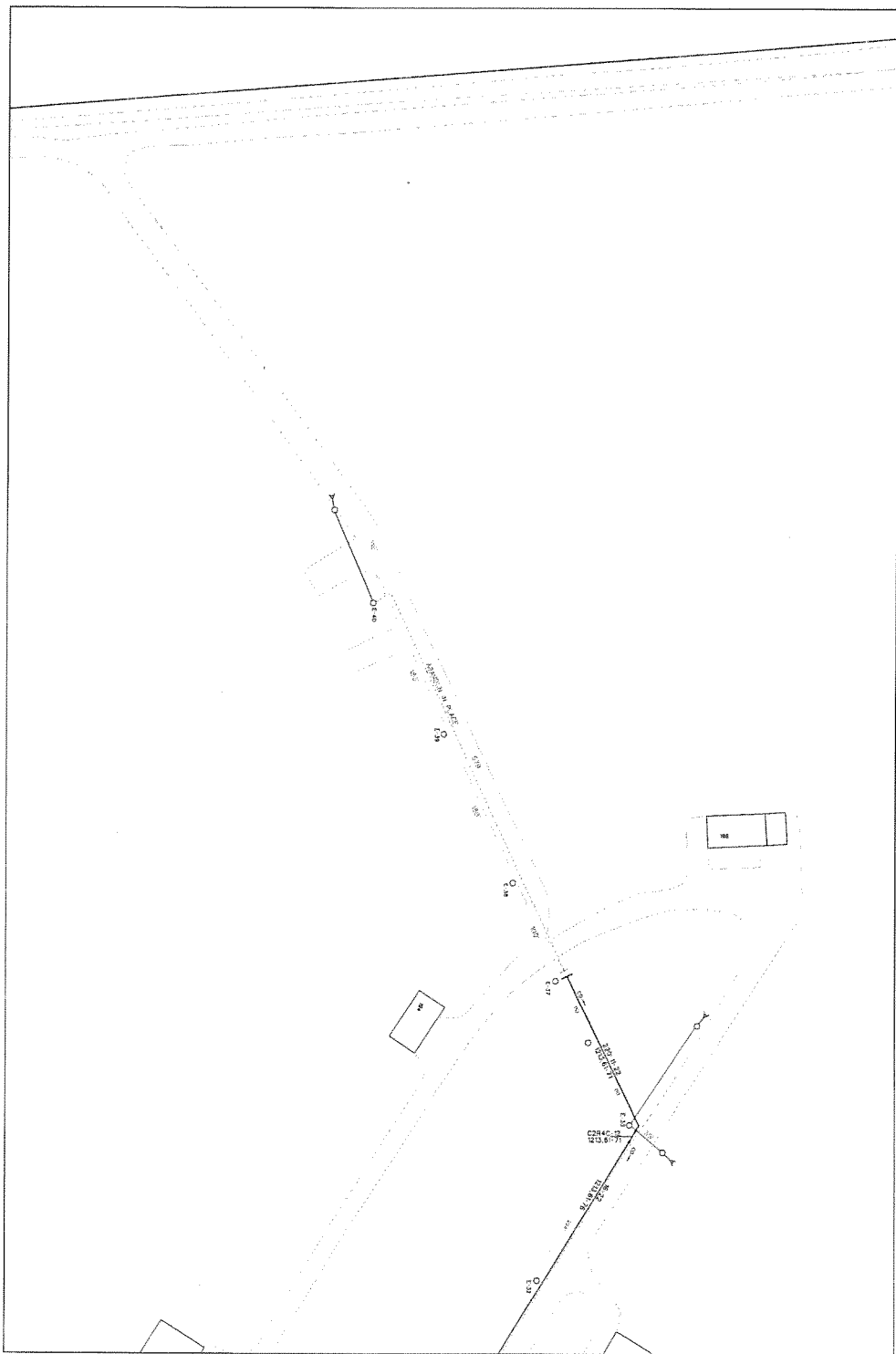
OUTSIDE PLANT CABLE SYSTEM

OUTSIDE PLANT FACILITY PLAN

DATE: 02-10-58

BY: ...

PROJECT: ...



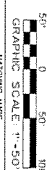
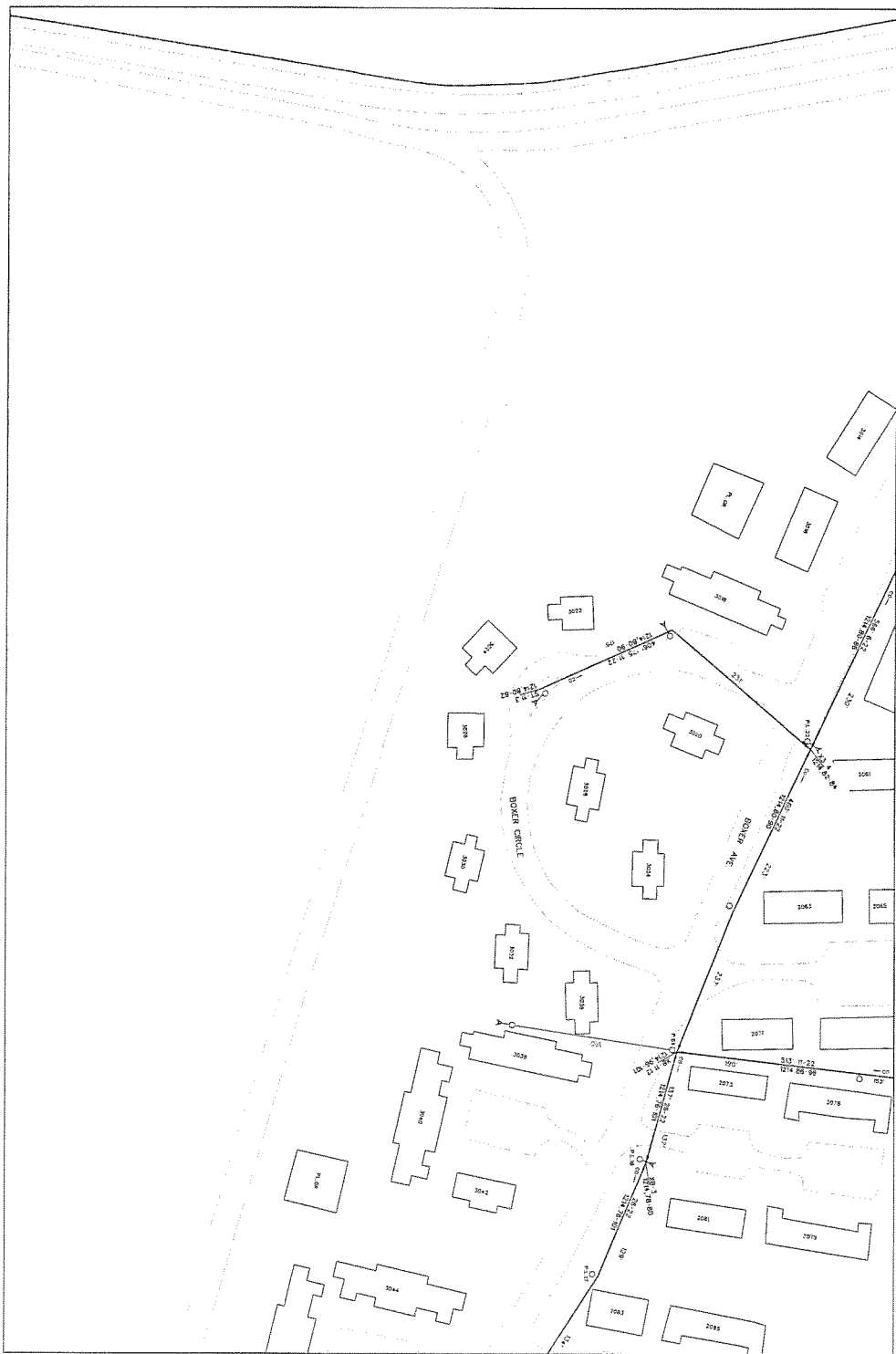
WATERING MARKS

46900550	47000000
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BSP-OSP-FM-46900550

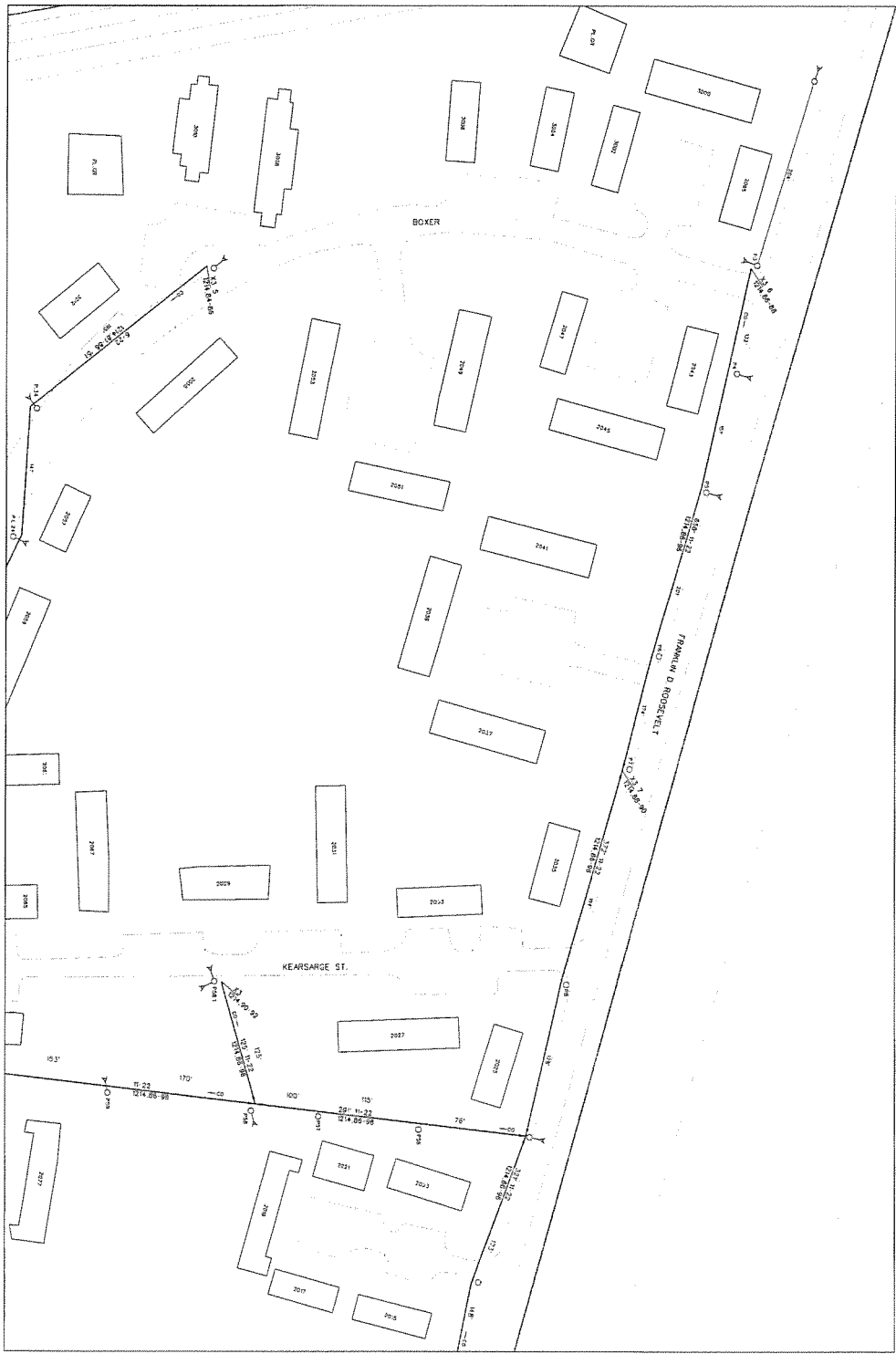
NO. OF SHEETS	1	OF	1
DATE	02/10/00	BY	CDL/A09
<p>REVISIONS</p> <p>NO. DATE DESCRIPTION BY</p>			
1	02/10/00	ISSUE FOR CONSTRUCTION	CDL/A09
<p>DESCRIPTION</p> <p>HAWAII INFORMATION TRANSFER SYSTEM BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT FACILITY MAP</p>			



46900570	47000570	47100570	47200570	47300570	47400570	47500570	47600570	47700570	47800570	47900570	48000570	48100570	48200570	48300570	48400570	48500570	48600570	48700570	48800570	48900570	49000570	49100570	49200570	49300570	49400570	49500570	49600570	49700570	49800570	49900570	50000570
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IF SEEN IN SMALLER THAN 28 X 40, DRAWING IS REDUCED
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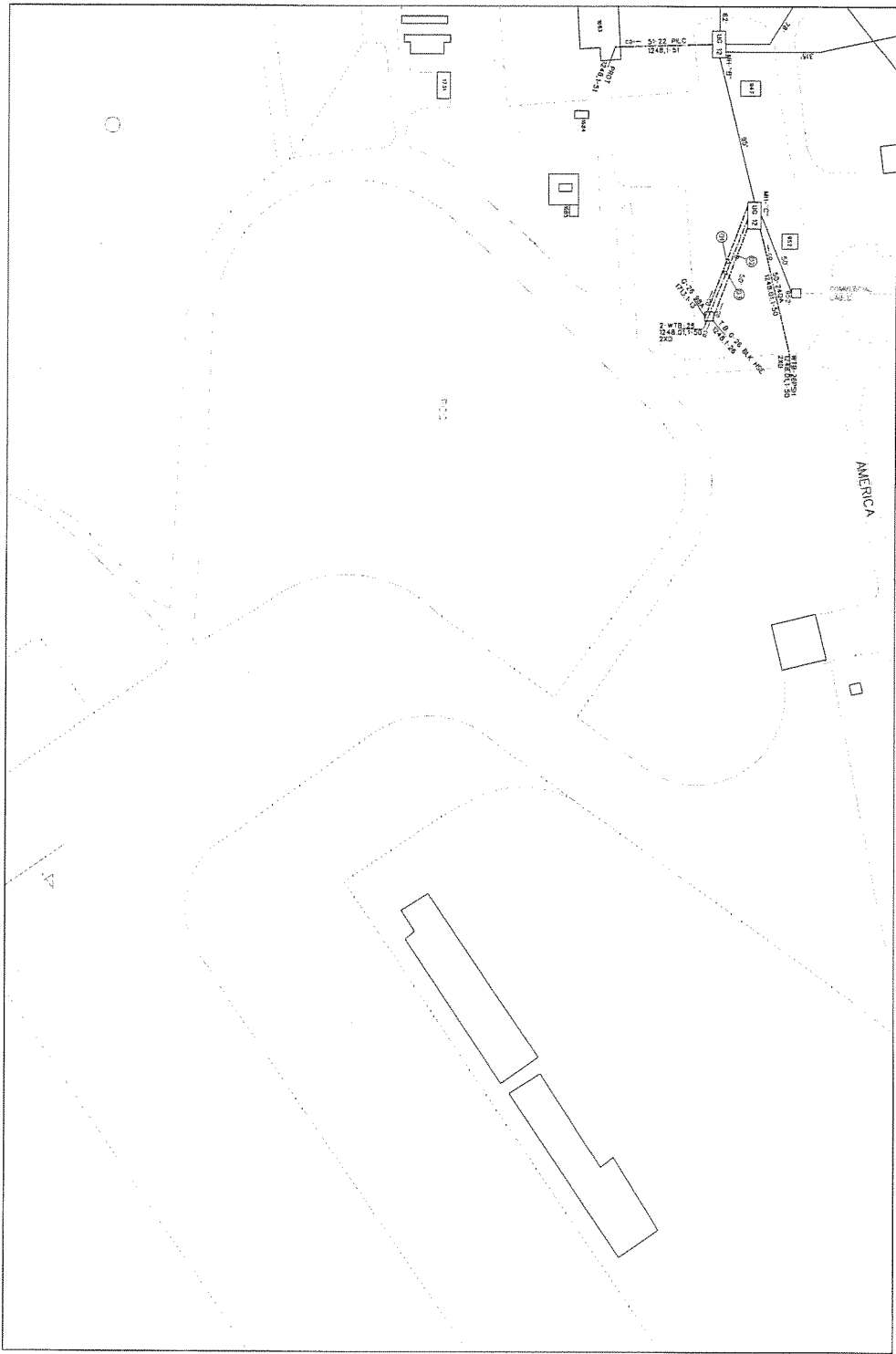
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11-15-2000	3	REVISIONS	ALAN HILL	ALAN HILL
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46900570 46900570

BSP-OSP-FM-46900580

AS-BUILT DRAWING AS OF 08-28-2002	REVISION	DATE	BY
AS-BUILT CONDITION AS OF 10-20-2008			
REVISIONS			
NO. 1	AS-BUILT DRAWING AS OF 08-28-2002	08-28-2002	...
NO. 2	AS-BUILT CONDITION AS OF 10-20-2008	10-20-2008	...
PROJECT INFORMATION			
PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM		
CLIENT	BOBBS JOHN MAWA AIR STATION		
LOCATION	OUTSIDE MAIN CANAL SYSTEM		
DATE	...		
DRAWING INFORMATION			
TITLE	OUTSIDE PLANT FACILITY MAP		
SCALE	1"=50'		
DATE	04/10/03		
BY	...		
CHECKED	...		
DATE	...		



① 2017
 ② 2017
 ③ 2017
 ④ 2017

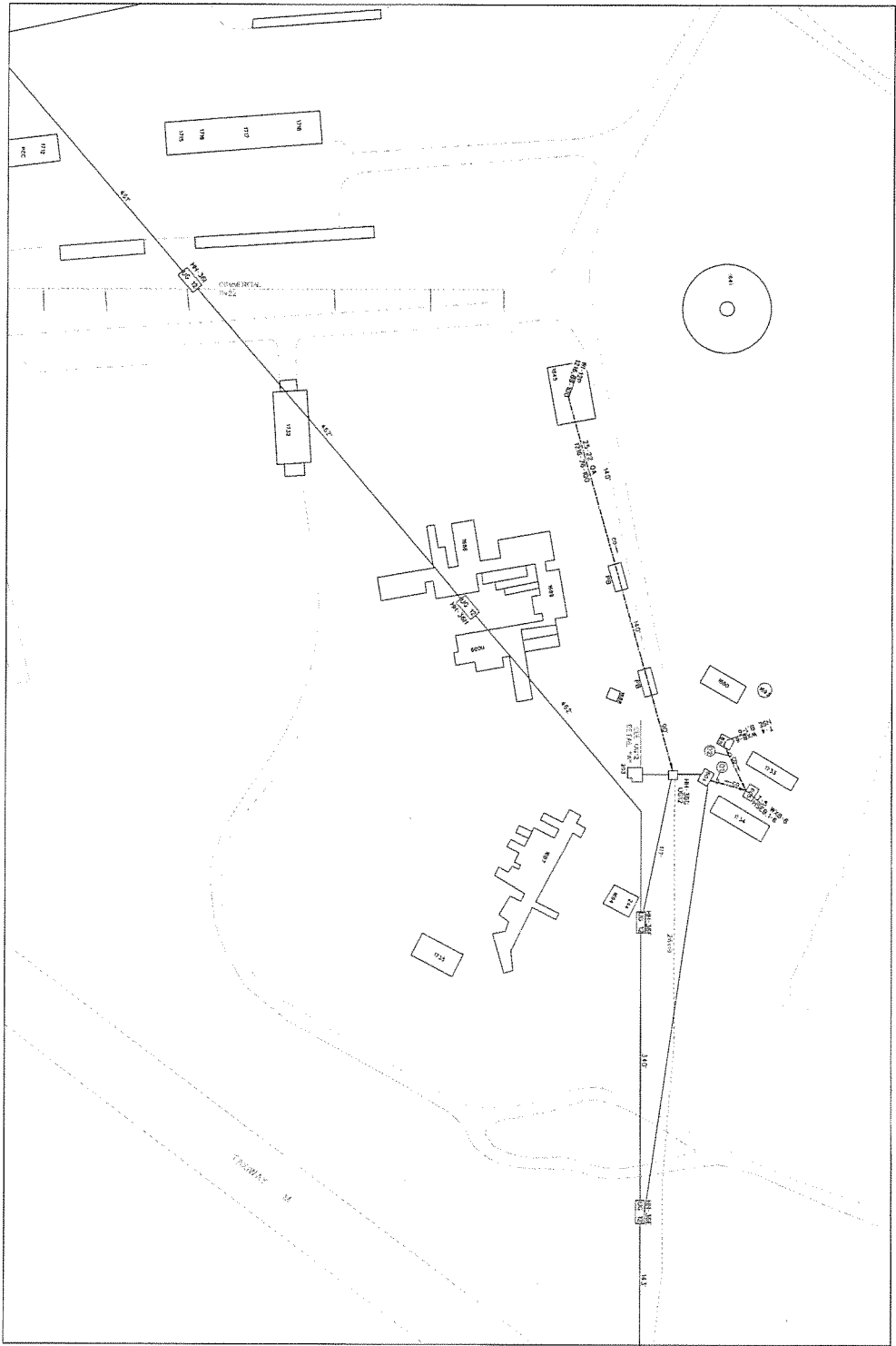
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BSP-OSP-FM-47050500

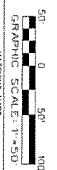
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2	CONSTRUCTION	08-29-2007		

AWA 11151 CONTRACT 11-15-2007	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT ROBBER POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM KAPALEI, OAHU, HAWAII
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CONTRACT NO. DA350-97-0-002 FOR FISCAL YEAR 1997 AS NOTED ON COPIES AND 15 OF 128



© 1973
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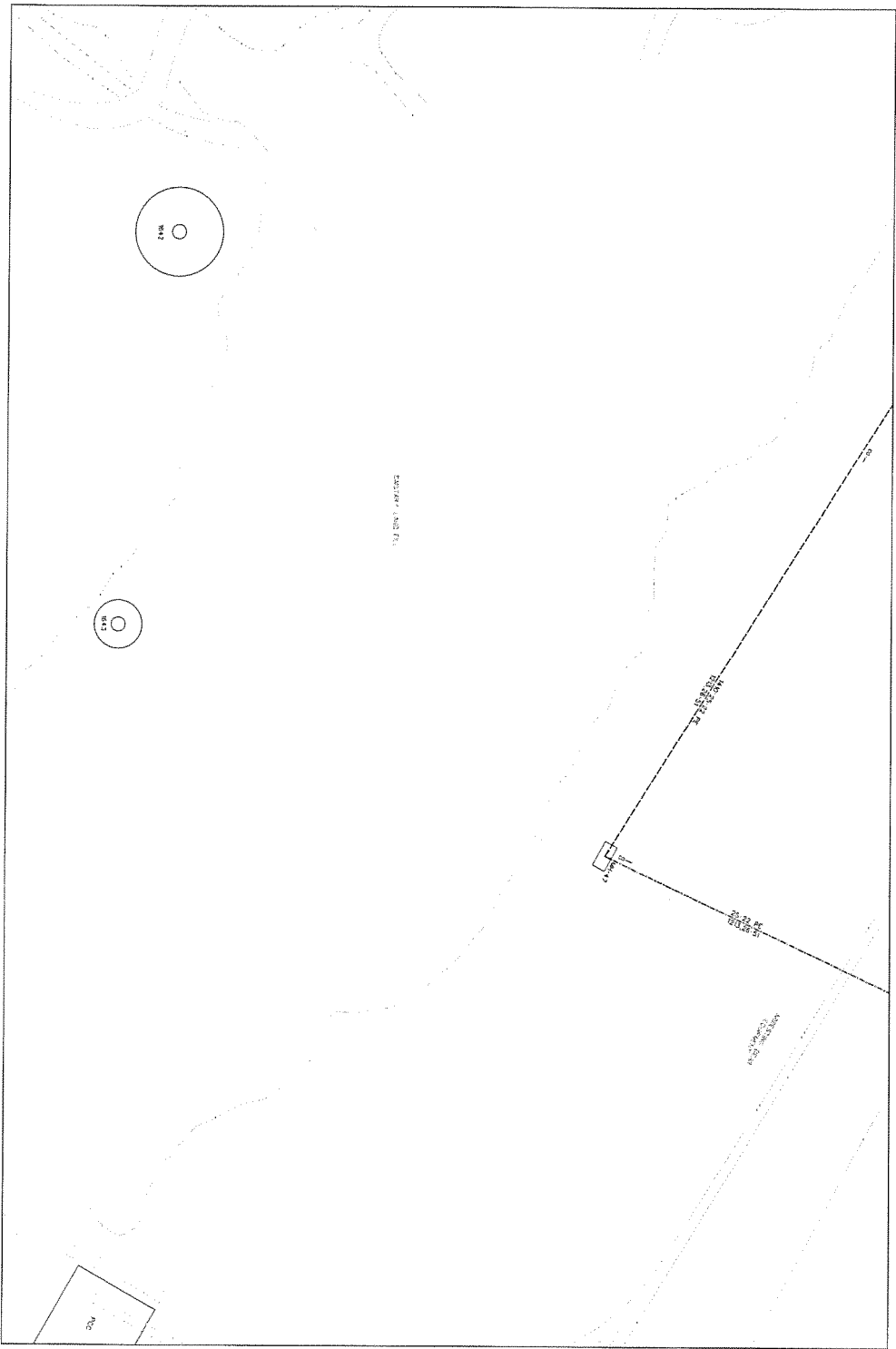


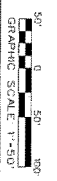
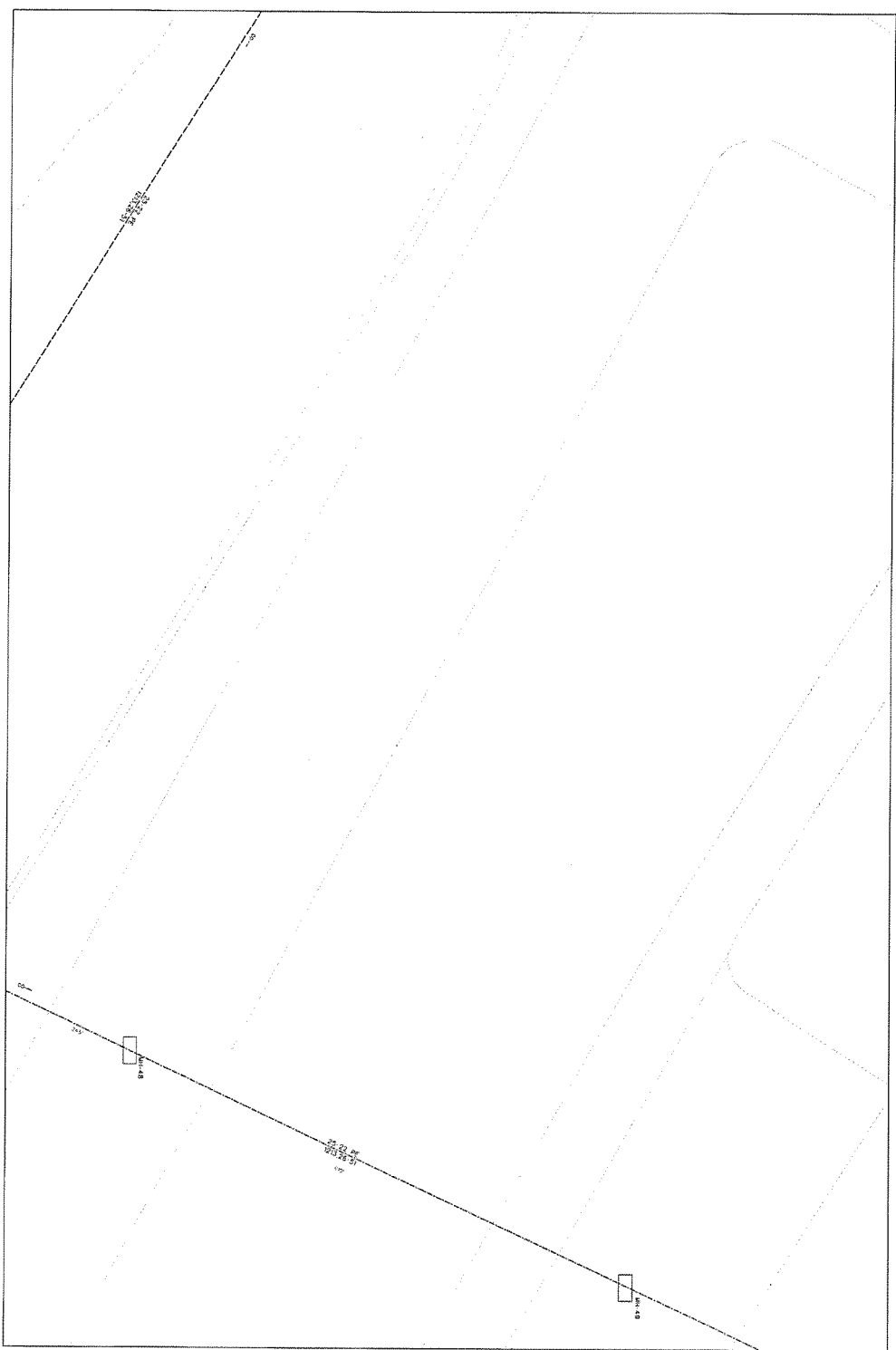
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 GRAPHIC SCALE FOR REDUCED DRAWING.
BSP-OSP-FM-47050510

NO.	DESCRIPTION	DATE	BY
1	AS-BUILT DRAWING SET OF BSP-OSP-FM-47050510		
2	AS-BUILT CONNECTION AS OF 10-20-1960		
3	REVISION		

A. G. HILL, INC. ENGINEERS 1155 KALANANAKUI AVENUE HONOLULU, HAWAII 96813 PHONE: 531-1155 FAX: 531-2520	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM BARBERS POINT, HAWAII
PROJECT INFORMATION DRAWING NO.: BSP-OSP-FM-47050510 SHEET NO.: 16 OF 128	DATE: 10-20-1960 DRAWN BY: [Name] CHECKED BY: [Name]





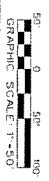
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BSP-OSP-FM-47050530

THIS SHEET IS ONE OF SEVEN (7) SHEETS REQUIRED FOR THE PROJECT.

AS-BUILD UPDATE AS OF 08-28-2002	DATE	BY	REVISION
AS-BUILD CONDITION AS OF 03-20-2000	DATE	BY	REVISION
REVISIONS			
1. HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	DATE	BY	REVISION
2. SHAGBURN POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM	DATE	BY	REVISION
3. OUTSIDE PLANT FACILITY MAP	DATE	BY	REVISION
4. HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	DATE	BY	REVISION
5. SHAGBURN POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM	DATE	BY	REVISION
6. OUTSIDE PLANT FACILITY MAP	DATE	BY	REVISION
7. HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	DATE	BY	REVISION
8. SHAGBURN POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM	DATE	BY	REVISION
9. OUTSIDE PLANT FACILITY MAP	DATE	BY	REVISION
10. HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	DATE	BY	REVISION
11. SHAGBURN POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM	DATE	BY	REVISION
12. OUTSIDE PLANT FACILITY MAP	DATE	BY	REVISION

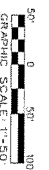
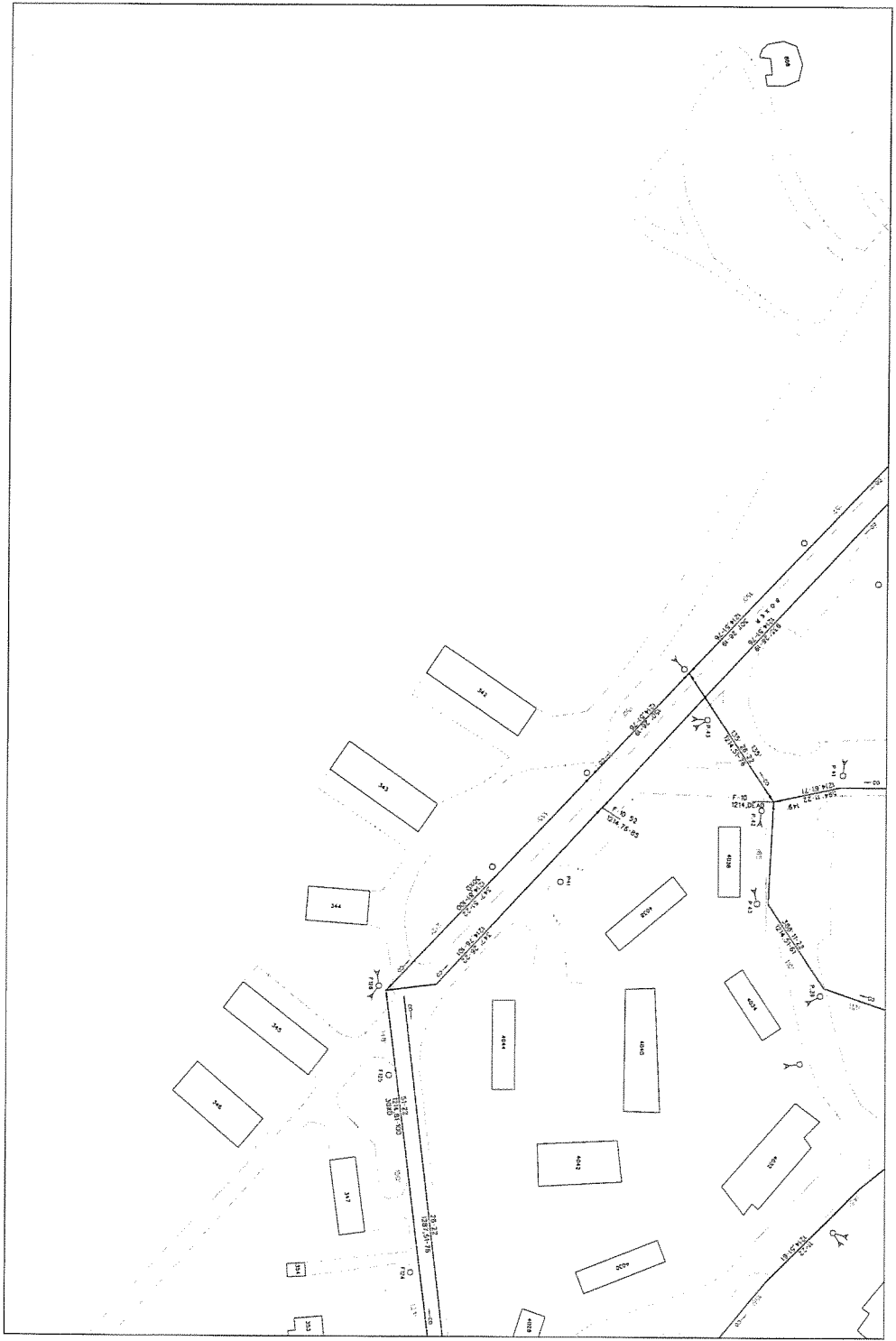
DATE: 04/30/02
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT: HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT



46900330	47000330	47200330	47400330
47600330	47800330	48000330	48200330

BSP-OSP-FM-47050550

AS-BUILT REPORT AS OF 08-28-2002		PROJECT NO.	DAKAO-97-0-002
AS-BUILT CONDITION AS OF 03-20-2000		PROJECT NAME	OUTSIDE PLANT FACILITY MAP
REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	08-28-2002	AS-BUILT REPORT	DAKAO
2	03-20-2000	AS-BUILT CONDITION	DAKAO

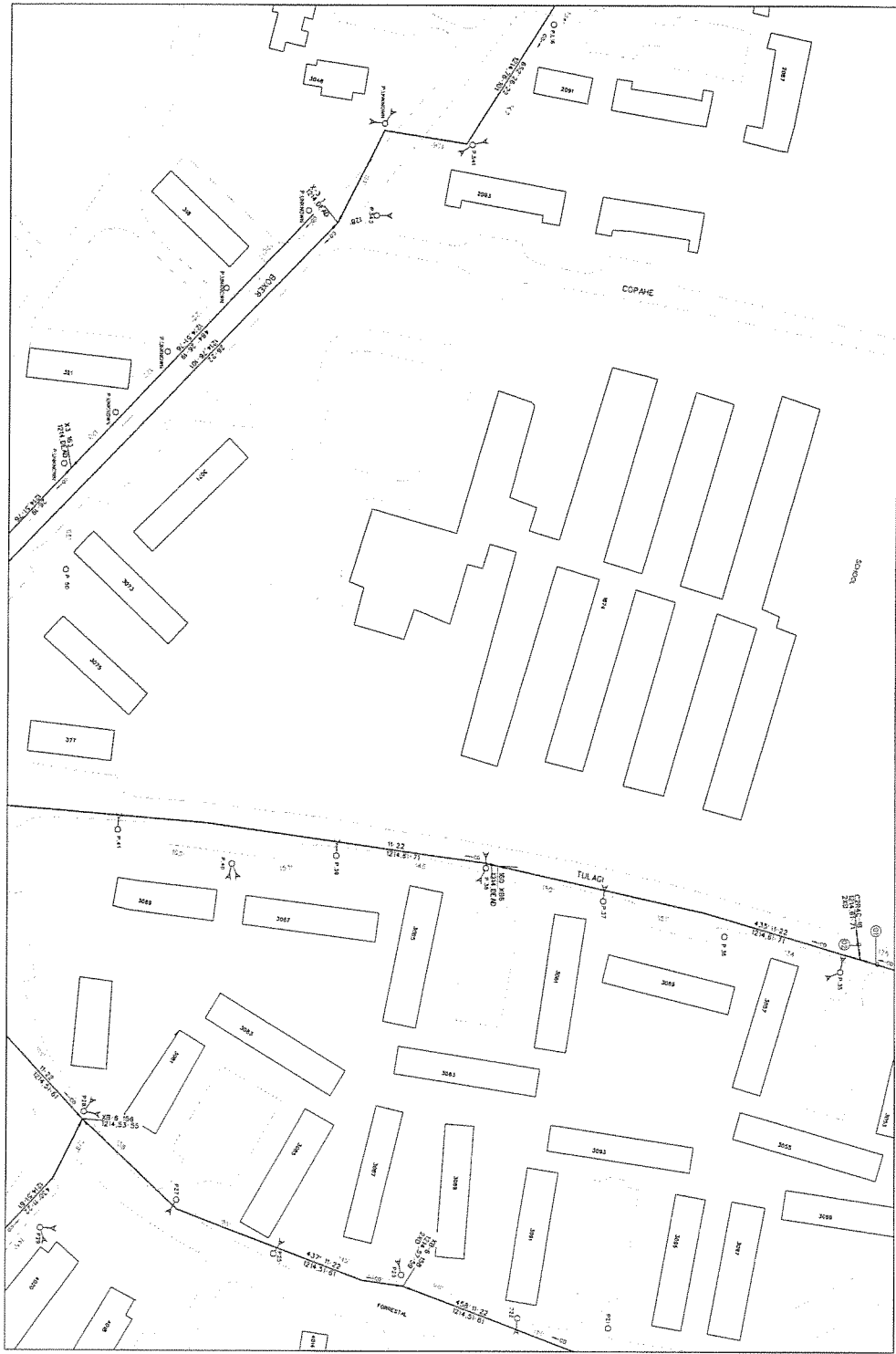


46900559	47205450	57205400
46900559	47205450	57205400

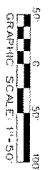
THIS SHEET IS QUADRANT 2A & 2B. REMAINING IS REDUCED.

AS BUILT UPDATE AS OF 08-28-2002	AS BUILT CONDITION AS OF 10-20-2000										
<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>CHKD</th> </tr> <tr> <td>1</td> <td>08-28-2002</td> <td>AS BUILT UPDATE</td> <td></td> <td></td> </tr> </table>		NO.	DATE	DESCRIPTION	BY	CHKD	1	08-28-2002	AS BUILT UPDATE		
NO.	DATE	DESCRIPTION	BY	CHKD							
1	08-28-2002	AS BUILT UPDATE									
<p>PROJECT INFORMATION</p> <table border="1"> <tr> <td>PROJECT NO.</td> <td>47205450</td> </tr> <tr> <td>PROJECT NAME</td> <td>HAWAII INFORMATION TRANSFER SYSTEM</td> </tr> <tr> <td>CLIENT</td> <td>BARBERS POINT NAVAL AIR STATION</td> </tr> <tr> <td>LOCATION</td> <td>OUTSIDE BARBERS POINT NAVAL AIR STATION</td> </tr> <tr> <td>DATE</td> <td>08-28-2002</td> </tr> </table>		PROJECT NO.	47205450	PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM	CLIENT	BARBERS POINT NAVAL AIR STATION	LOCATION	OUTSIDE BARBERS POINT NAVAL AIR STATION	DATE	08-28-2002
PROJECT NO.	47205450										
PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM										
CLIENT	BARBERS POINT NAVAL AIR STATION										
LOCATION	OUTSIDE BARBERS POINT NAVAL AIR STATION										
DATE	08-28-2002										
<p>DESIGNER INFORMATION</p> <table border="1"> <tr> <td>DESIGNER</td> <td>CH2M HILL</td> </tr> <tr> <td>PROJECT MANAGER</td> <td>DAVID J. HARRIS</td> </tr> <tr> <td>DATE</td> <td>08-28-2002</td> </tr> </table>		DESIGNER	CH2M HILL	PROJECT MANAGER	DAVID J. HARRIS	DATE	08-28-2002				
DESIGNER	CH2M HILL										
PROJECT MANAGER	DAVID J. HARRIS										
DATE	08-28-2002										
<p>NOTES</p> <p>1. THIS SHEET IS QUADRANT 2A & 2B. REMAINING IS REDUCED.</p>											

BSP-OSP-FM-47050560



300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310



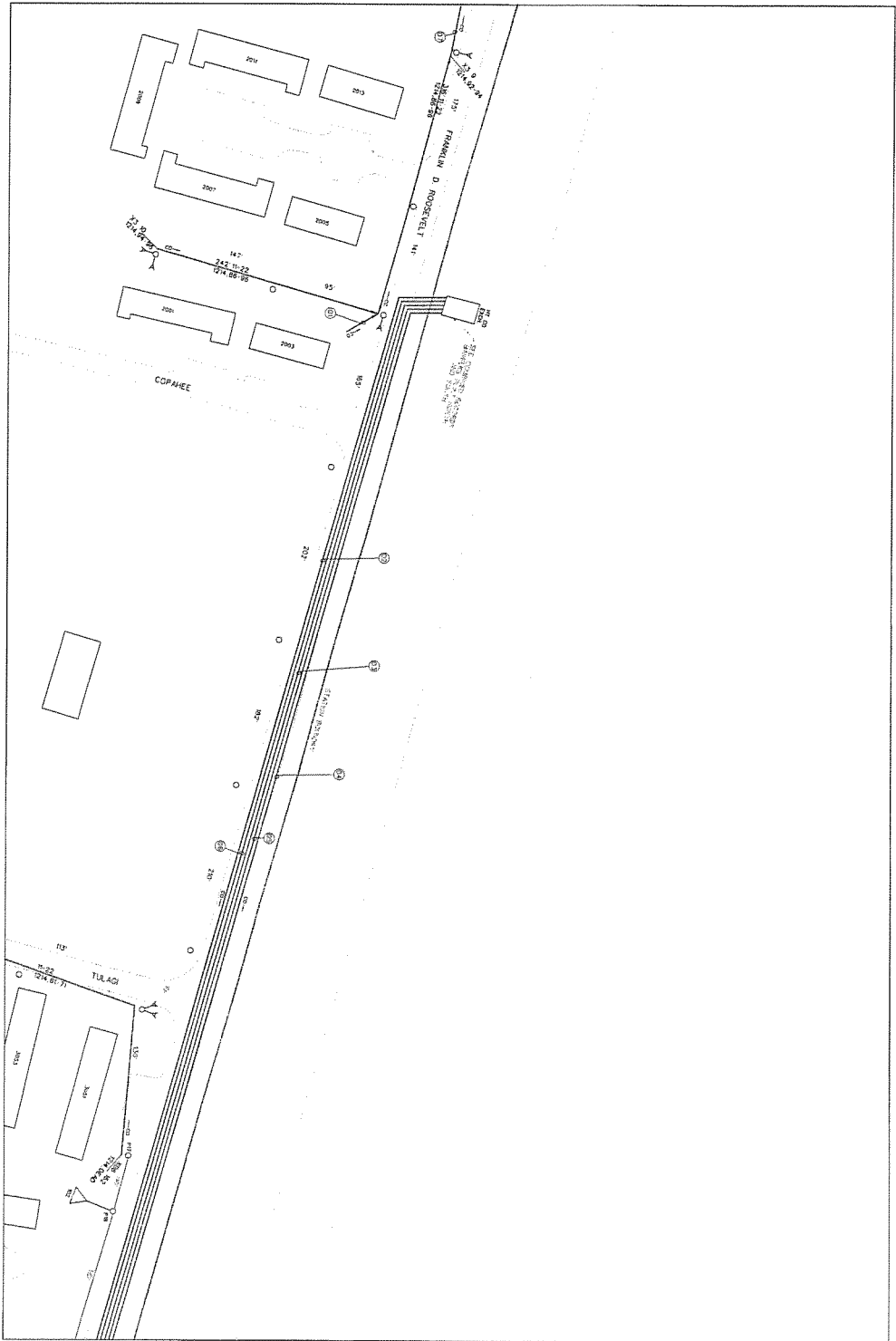
GRAPHIC SCALE: 1"=50'
 UTM ZONE: 48QUD
 UTM EASTING: 4720000
 UTM NORTHING: 4720000

4720000	4720000	4720000
4720000	4720000	4720000
4720000	4720000	4720000

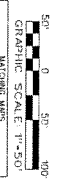
IF SHEET IS SMALLER THAN 20 X 30, DRAWING IS REDUCED.
 THE SHEET IS SMALLER THAN 20 X 30, DRAWING IS REDUCED.

BSP-OSP-FM-47050570

AS-BUILT DRAWING AS OF 09-29-2002	DATE	09-29-2002
AS-BUILT CONDITION AS OF 07-25-2000	DATE	07-25-2000
PROJECT INFORMATION PROJECT NAME: HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT PROJECT NO.: 02-CA-300-9-7-0-002 SHEET NO.: 21*178		
CLIENT INFORMATION CLIENT NAME: BARRIS POINT NAVAL AIR STATION CLIENT ADDRESS: OUTSIDE MILITARY CABLE SYSTEM CLIENT PHONE: (808) 435-1111 CLIENT FAX: (808) 435-1111		
DESIGNER INFORMATION DESIGNER NAME: BARRIS POINT NAVAL AIR STATION DESIGNER ADDRESS: OUTSIDE MILITARY CABLE SYSTEM DESIGNER PHONE: (808) 435-1111 DESIGNER FAX: (808) 435-1111		



- ① 20' 11.22' 04
- ② 1' 05' 42.0
- ③ 2' 05' 7.000
- ④ 2' 11' 8.22' 04
- ⑤ 2' 11' 8.22' 04
- ⑥ 1' 2' 22' 04
- ⑦ 1' 2' 22' 04
- ⑧ 1' 2' 22' 04

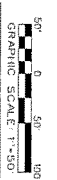
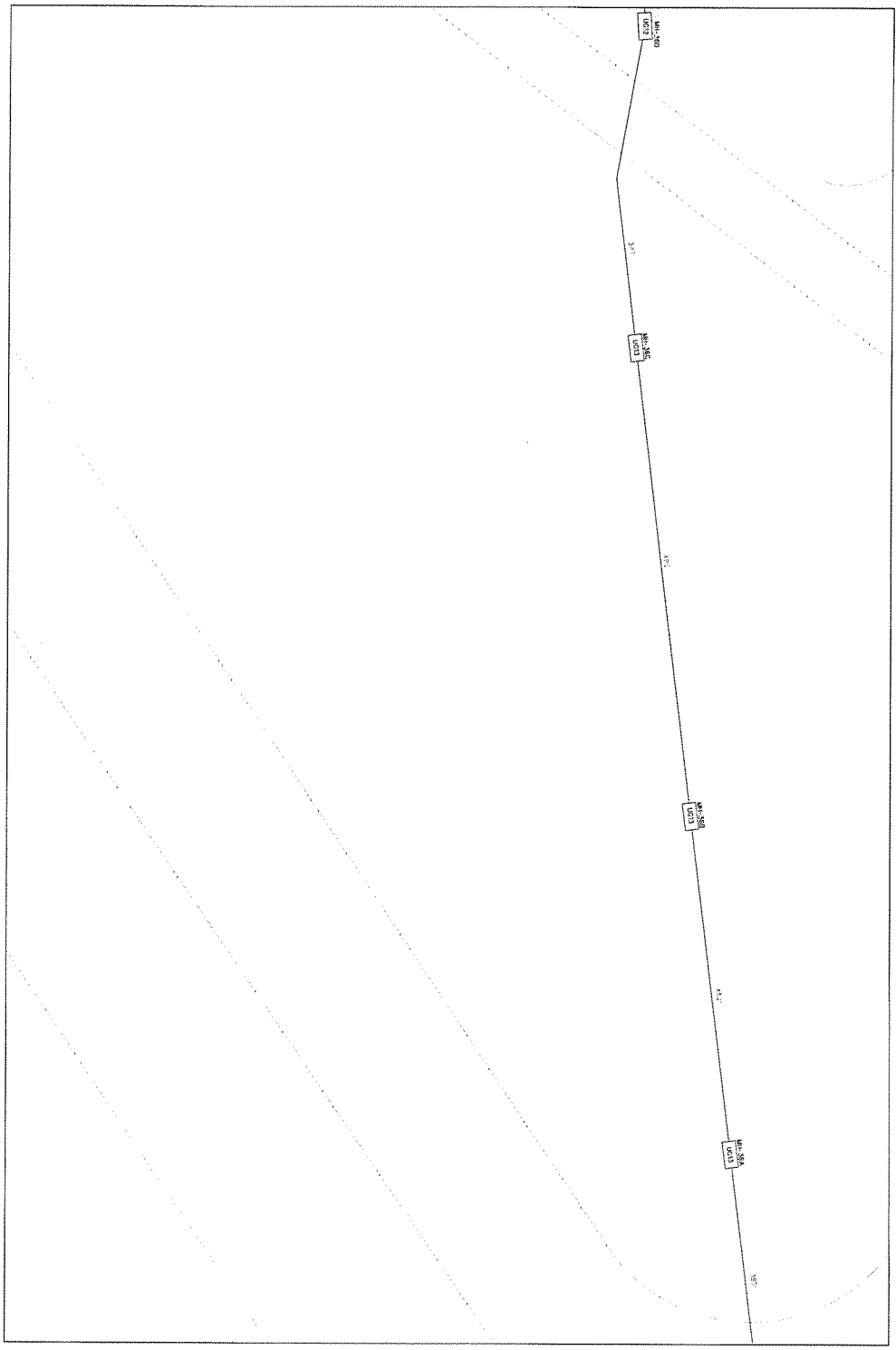


46000389	47000389	47700389	47000393
46000370	47000370	47700370	47000374

BSP-OSP-FM-47050580

IF SUBJECT IS SMALLER THAN 28 X 40, RISE/4116 IS REJECTED.

AS-BUILT UPDATE AS OF 08-29-2002	DATE	BY	
AS-BUILT CONDITION AS OF 10-29-2000	DATE	BY	
REVISIONS			
NO. 1	DATE	BY	DESCRIPTION
1	08-29-2002	...	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
2	11-15-2000	...	BARRER POINT NAVAL AIR STATION OUTSIDE AIRFIELD CADRE SYSTEM
3	OUTSIDE PLANT FACILITY MAP

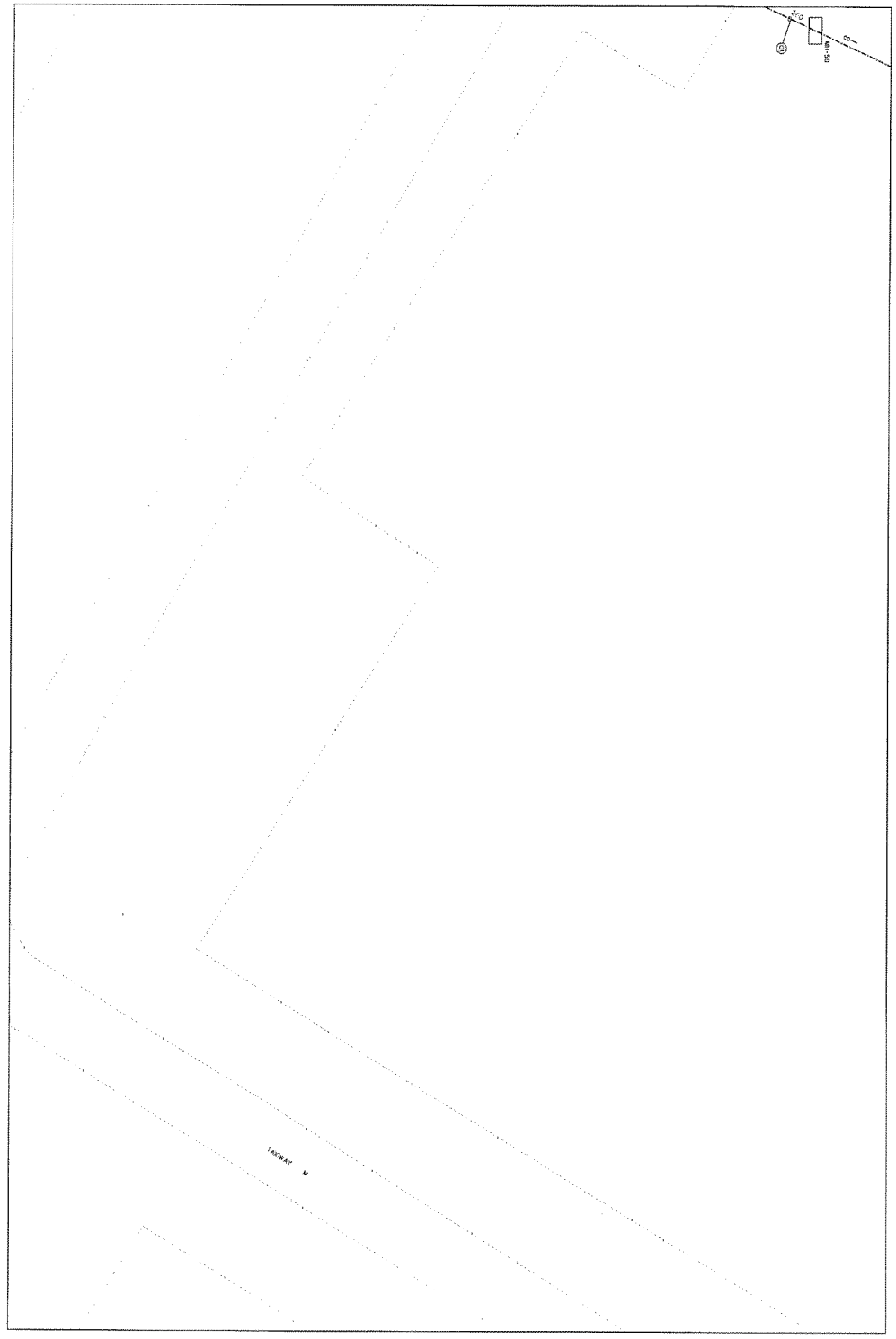
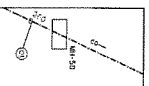


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4700000	4700000	4700000	4700000
4700000	4700000	4700000	4700000

IF SHEET IS SMALLER THAN 7 1/2 X 10, DRAWING IS REDUCED.

BSP-OSP-FM-47200510

AS-BUILT UPDATE AS OF 08-29-2002	AS-BUILT CONDITION AS OF 02-20-2000	DATE	BY	REVISIONS
<p>REVISIONS</p> <p>DATE: 08-29-2002 BY: [Signature] REVISION: 11-15-2000</p>				
<p>HAWAII INFORMATION TRANSFER SYSTEM</p> <p>BARBERS POINT NAVAL AIR STATION OUTSIDE FACILITY MAP</p>		<p>HAWAII INFORMATION TRANSFER SYSTEM</p> <p>(HITS) CONTRACT</p> <p>BARBERS POINT NAVAL AIR STATION OUTSIDE FACILITY MAP</p>		
<p>DATE: 08-29-2002 BY: [Signature]</p>		<p>DATE: 08-29-2002 BY: [Signature]</p>		



© 2008



47200530	47200540	47200550	47200560	47200570	47200580	47200590
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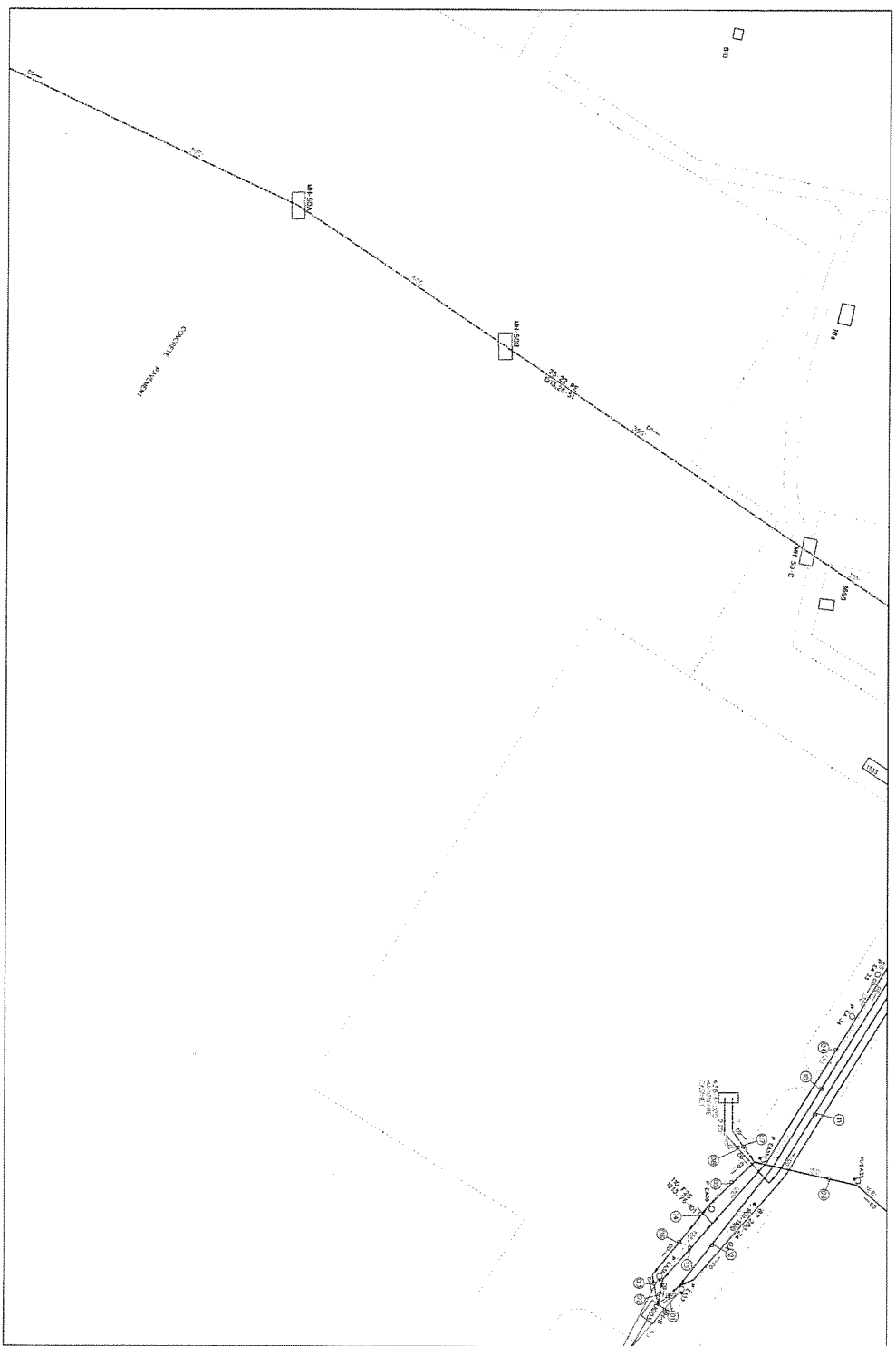
IF SHEET IS SMALLER THAN 24 X 48, GRAPHIC IS REDUCED.
 THE SCALE FOR BLOCKS SHALL BE

NO.	DESCRIPTION	DATE	BY	CHKD
1	AS-BUILT TYPICAL AS OF 08-29-2008			
2	AS-BUILT CORRECTIONS AS OF 08-29-2008			

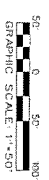
DATE	08-29-2008
BY	AS-BUILT
CHKD	
DATE	
BY	
CHKD	

PROJECT	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
CLIENT	BARBERS POINT NAVAL AIR STATION
LOCATION	OUTSIDE PLANT CABLE SYSTEM
DATE	NOVEMBER 11-19-2008
SCALE	AS NOTED
PROJECT	OUTSIDE PLANT FACILITY MAP
DATE	08-29-07-0-007
BY	AS NOTED
CHKD	
DATE	
BY	
CHKD	

BSP-OSP-FM-47200530



- ① 801.017 4.32
- ② 801.018 1.00
- ③ 801.019 1.00
- ④ 801.020 1.00
- ⑤ 801.021 1.00
- ⑥ 801.022 1.00
- ⑦ 801.023 1.00
- ⑧ 801.024 1.00
- ⑨ 801.025 1.00
- ⑩ 801.026 1.00
- ⑪ 801.027 1.00
- ⑫ 801.028 1.00
- ⑬ 801.029 1.00
- ⑭ 801.030 1.00
- ⑮ 801.031 1.00
- ⑯ 801.032 1.00
- ⑰ 801.033 1.00
- ⑱ 801.034 1.00
- ⑲ 801.035 1.00
- ⑳ 801.036 1.00
- ㉑ 801.037 1.00
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- ㉓ 801.039 1.00
- ㉔ 801.040 1.00
- ㉕ 801.041 1.00
- ㉖ 801.042 1.00
- ㉗ 801.043 1.00
- ㉘ 801.044 1.00
- ㉙ 801.045 1.00
- ㉚ 801.046 1.00
- ㉛ 801.047 1.00
- ㉜ 801.048 1.00
- ㉝ 801.049 1.00
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- ㉟ 801.051 1.00
- ㊱ 801.052 1.00
- ㊲ 801.053 1.00
- ㊳ 801.054 1.00
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- ㊼ 801.063 1.00
- ㊽ 801.064 1.00
- ㊾ 801.065 1.00
- ㊿ 801.066 1.00



UTM COORDINATES	
4720000.00	4730000.00
4720000.00	4730000.00
4720000.00	4730000.00
4720000.00	4730000.00

IF SHEET IS SMALLER THAN 24 X 36, REMAINING IS REPRODUCED ON THIS SHEET.

BSP-OSP-FM-47200540

NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	AS-BUILT	UPGRADE AS OF 08-28-2002		
2	AS-BUILT	CONDITION AS OF 02-20-2000		

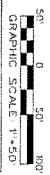
NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	AS-BUILT	UPGRADE AS OF 08-28-2002		
2	AS-BUILT	CONDITION AS OF 02-20-2000		

NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	AS-BUILT	UPGRADE AS OF 08-28-2002		
2	AS-BUILT	CONDITION AS OF 02-20-2000		

NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	AS-BUILT	UPGRADE AS OF 08-28-2002		
2	AS-BUILT	CONDITION AS OF 02-20-2000		



- ① 200 32
- ② 200 32
- ③ 200 32
- ④ 200 32
- ⑤ 200 32
- ⑥ 200 32
- ⑦ 200 32
- ⑧ 200 32
- ⑨ 200 32
- ⑩ 200 32

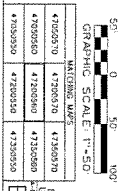
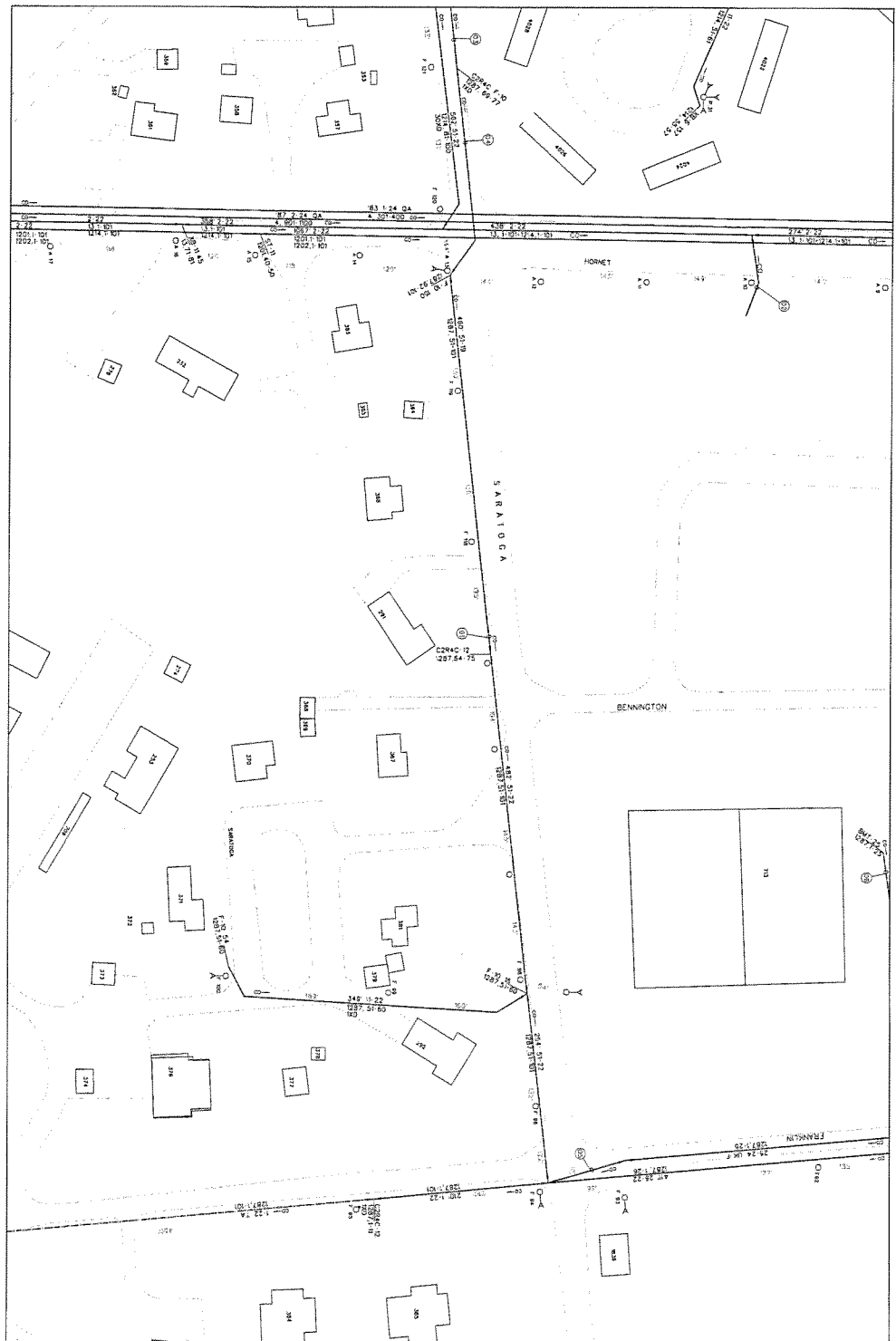


VERTICAL MAP	
47200550	47200550
47200550	47200550
47200550	47200550

BSP-OSP-FM-47200550

IF SHEET IS SHOWN IN A 28 X 40 DRAWING IS REFERRED TO BY THIS SHEET NUMBER.

REVISIONS		
NO.	DATE	DESCRIPTION
1	AS-BUILT UPDATE AS OF APR-30-2003	
2	AS-BUILT CORRECTION AS OF 02-20-2000	
REVISIONS THIS SHEET IS THE PROPERTY OF THE HAWAIIAN ELECTRIC COMPANY. NO PART OF THIS SHEET IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE HAWAIIAN ELECTRIC COMPANY. HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BURGERS POINT NAVAL AIR STATION OUTSIDE PLANT FACILITY MAP PROJECT NO. 02A300-97-0-002 SHEET NO. 26 OF 128		

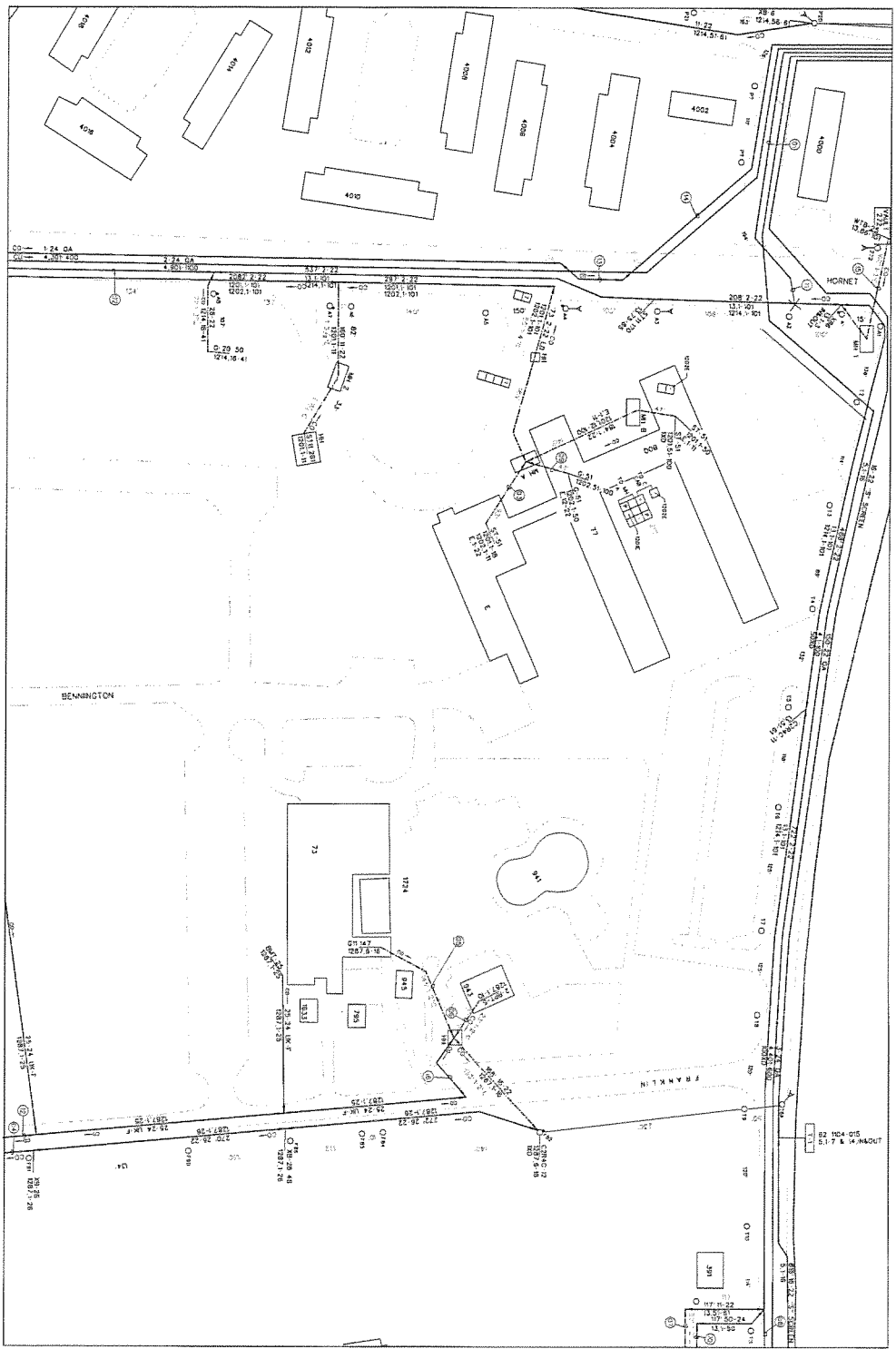


AS-BUILT UPDATE AS OF 08-28-2002
 AS-BUILT CONDITION AS OF 02-20-2000

DATE	DESCRIPTION	BY	APP'D
08/28/02	AS-BUILT UPDATE	[Signature]	[Signature]
02/20/00	AS-BUILT CONDITION	[Signature]	[Signature]

PROJECT: HAWAII TELECOMMUNICATIONS SYSTEMS
 LOCATION: HAWAII TELECOMMUNICATIONS SYSTEMS
 DRAWING NO.: 08-28-2002
 SHEET NO.: 27 OF 128

- ① 20' x 20' SIGN
- ② 20' x 20' SIGN
- ③ 20' x 20' SIGN
- ④ 20' x 20' SIGN
- ⑤ 20' x 20' SIGN
- ⑥ 20' x 20' SIGN
- ⑦ 20' x 20' SIGN
- ⑧ 20' x 20' SIGN



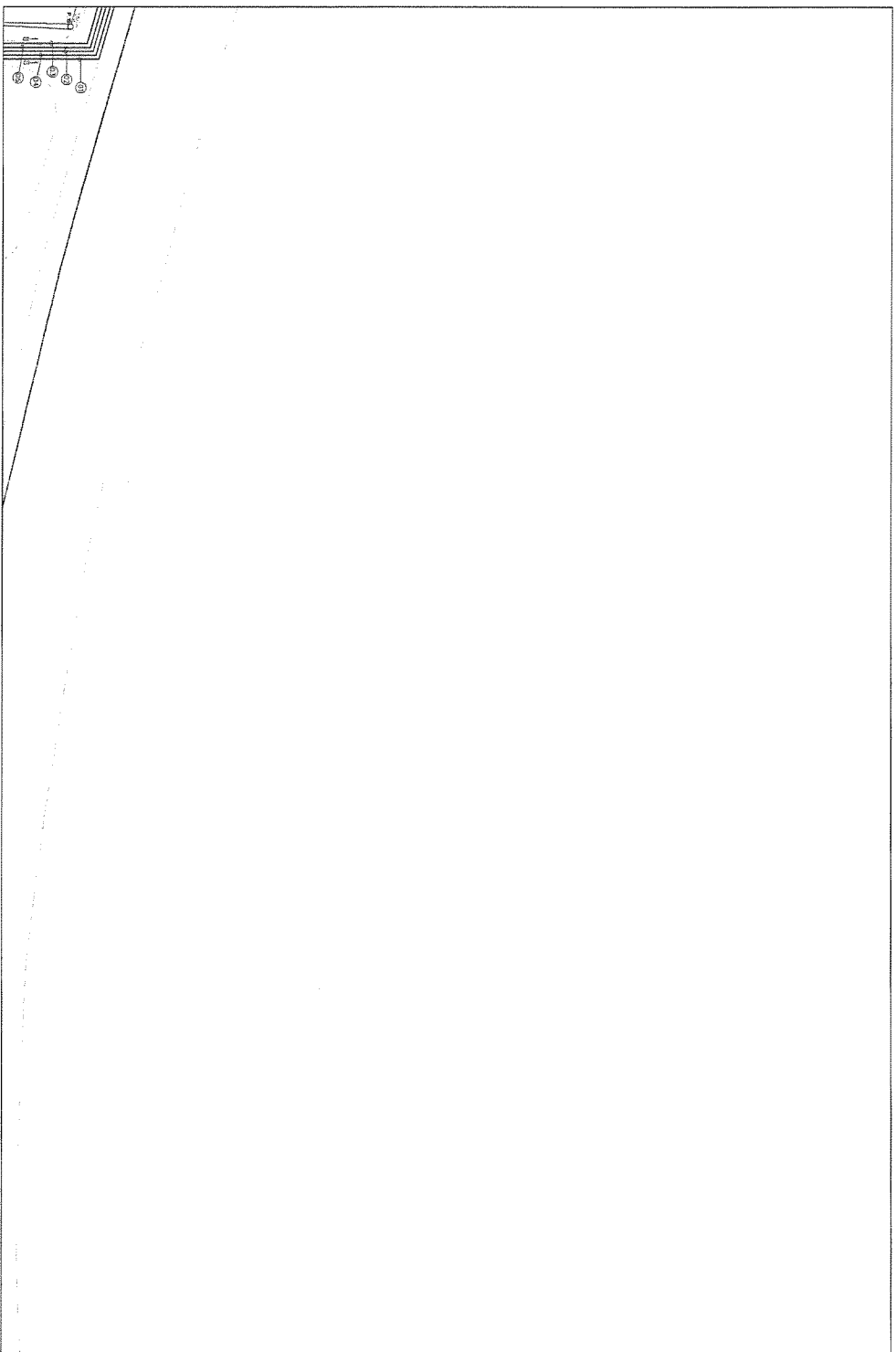
GRAPHIC SCALE: 1" = 50'

UNION SQUARE MAPS
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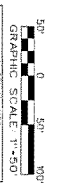
IF SHEET IS SMALLER THAN 28" X 36", DRAWING IS REVERSED.

BSP-OSP-FM-47200570

REVISED INFORMATION TRANSFER SYSTEM (INTS) CONTRACT BARRER PEARL NAVAL AIR STATION OUTSIDE PEARL HARBOR CABLE SYSTEM		
NO.	DATE	BY
1	11-15-2000	SP8 J. L. BROWN
2	11-15-2000	SP8 J. L. BROWN
3	11-15-2000	SP8 J. L. BROWN
4	11-15-2000	SP8 J. L. BROWN
5	11-15-2000	SP8 J. L. BROWN
6	11-15-2000	SP8 J. L. BROWN
7	11-15-2000	SP8 J. L. BROWN
8	11-15-2000	SP8 J. L. BROWN
9	11-15-2000	SP8 J. L. BROWN
10	11-15-2000	SP8 J. L. BROWN
11	11-15-2000	SP8 J. L. BROWN
12	11-15-2000	SP8 J. L. BROWN
13	11-15-2000	SP8 J. L. BROWN
14	11-15-2000	SP8 J. L. BROWN
15	11-15-2000	SP8 J. L. BROWN
16	11-15-2000	SP8 J. L. BROWN
17	11-15-2000	SP8 J. L. BROWN
18	11-15-2000	SP8 J. L. BROWN
19	11-15-2000	SP8 J. L. BROWN
20	11-15-2000	SP8 J. L. BROWN
21	11-15-2000	SP8 J. L. BROWN
22	11-15-2000	SP8 J. L. BROWN
23	11-15-2000	SP8 J. L. BROWN
24	11-15-2000	SP8 J. L. BROWN
25	11-15-2000	SP8 J. L. BROWN
26	11-15-2000	SP8 J. L. BROWN
27	11-15-2000	SP8 J. L. BROWN
28	11-15-2000	SP8 J. L. BROWN
29	11-15-2000	SP8 J. L. BROWN
30	11-15-2000	SP8 J. L. BROWN
31	11-15-2000	SP8 J. L. BROWN
32	11-15-2000	SP8 J. L. BROWN
33	11-15-2000	SP8 J. L. BROWN
34	11-15-2000	SP8 J. L. BROWN
35	11-15-2000	SP8 J. L. BROWN
36	11-15-2000	SP8 J. L. BROWN
37	11-15-2000	SP8 J. L. BROWN
38	11-15-2000	SP8 J. L. BROWN
39	11-15-2000	SP8 J. L. BROWN
40	11-15-2000	SP8 J. L. BROWN
41	11-15-2000	SP8 J. L. BROWN
42	11-15-2000	SP8 J. L. BROWN
43	11-15-2000	SP8 J. L. BROWN
44	11-15-2000	SP8 J. L. BROWN
45	11-15-2000	SP8 J. L. BROWN
46	11-15-2000	SP8 J. L. BROWN
47	11-15-2000	SP8 J. L. BROWN
48	11-15-2000	SP8 J. L. BROWN
49	11-15-2000	SP8 J. L. BROWN
50	11-15-2000	SP8 J. L. BROWN
51	11-15-2000	SP8 J. L. BROWN
52	11-15-2000	SP8 J. L. BROWN
53	11-15-2000	SP8 J. L. BROWN
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55	11-15-2000	SP8 J. L. BROWN
56	11-15-2000	SP8 J. L. BROWN
57	11-15-2000	SP8 J. L. BROWN
58	11-15-2000	SP8 J. L. BROWN
59	11-15-2000	SP8 J. L. BROWN
60	11-15-2000	SP8 J. L. BROWN



- ① 1/4" = 1' SCALE
- ② 1/2" = 1' SCALE
- ③ 3/4" = 1' SCALE
- ④ 1" = 1' SCALE
- ⑤ 1 1/2" = 1' SCALE
- ⑥ 2" = 1' SCALE
- ⑦ 3" = 1' SCALE
- ⑧ 4" = 1' SCALE

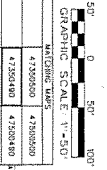
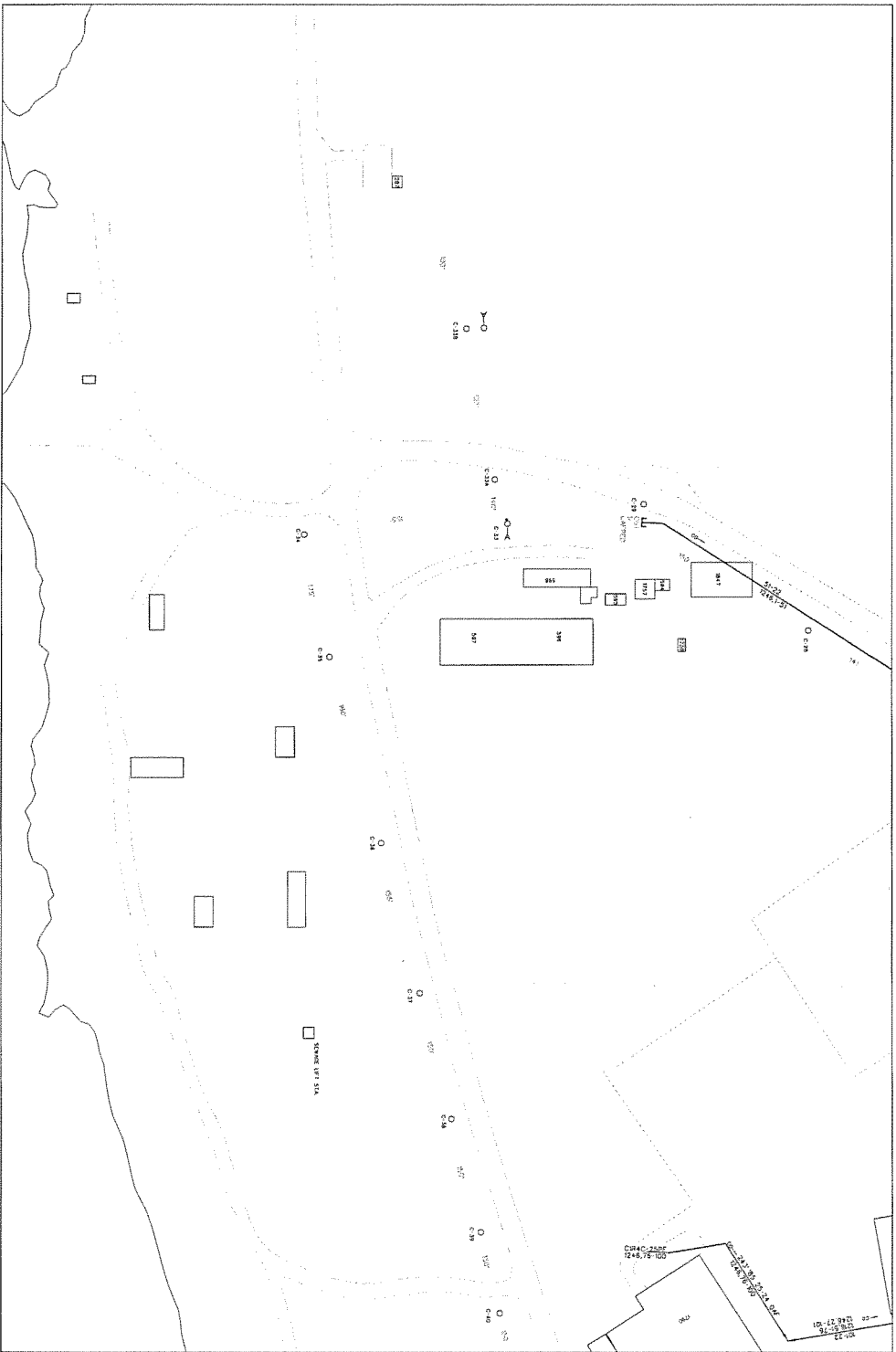


47200580	47200580	47200580	47200580
47200580	47200580	47200580	47200580

IF SHEET IS PART OF A SET, THE DRAWING IS REDUCED TO THE INDICATED SCALE FROM THE ORIGINAL SIZE.

BSP-OSP-FM-47200580

NO.	AS-BUILT UPDATE AS OF 08-29-2002	PROJECT NO.	
NO.	AS-BUILT CONDITION AS OF 02-20-2000	PROJECT NO.	
REVISIONS			
DATE	DESCRIPTION	BY	APP'D.
2315 ADAMS STREET, SUITE 4101 HAWAII INFORMATION TRANSFER SYSTEM HONOLULU, HI 96813-4201 (HITS) CONTRACT DRAWING NO. 11-15-2002 OUTSIDE PLANT CABLE SYSTEM KAPOHELE, OAHU, HAWAII PROJECT ORGANIZATION OUTSIDE PLANT FACILITY MAP SHEET NO. 29 OF 30 DRAWN BY: DE-AS-001-91-002 CHECKED BY: MS-INTEN-001 CONR. ADDD DATE: 08/29/02			

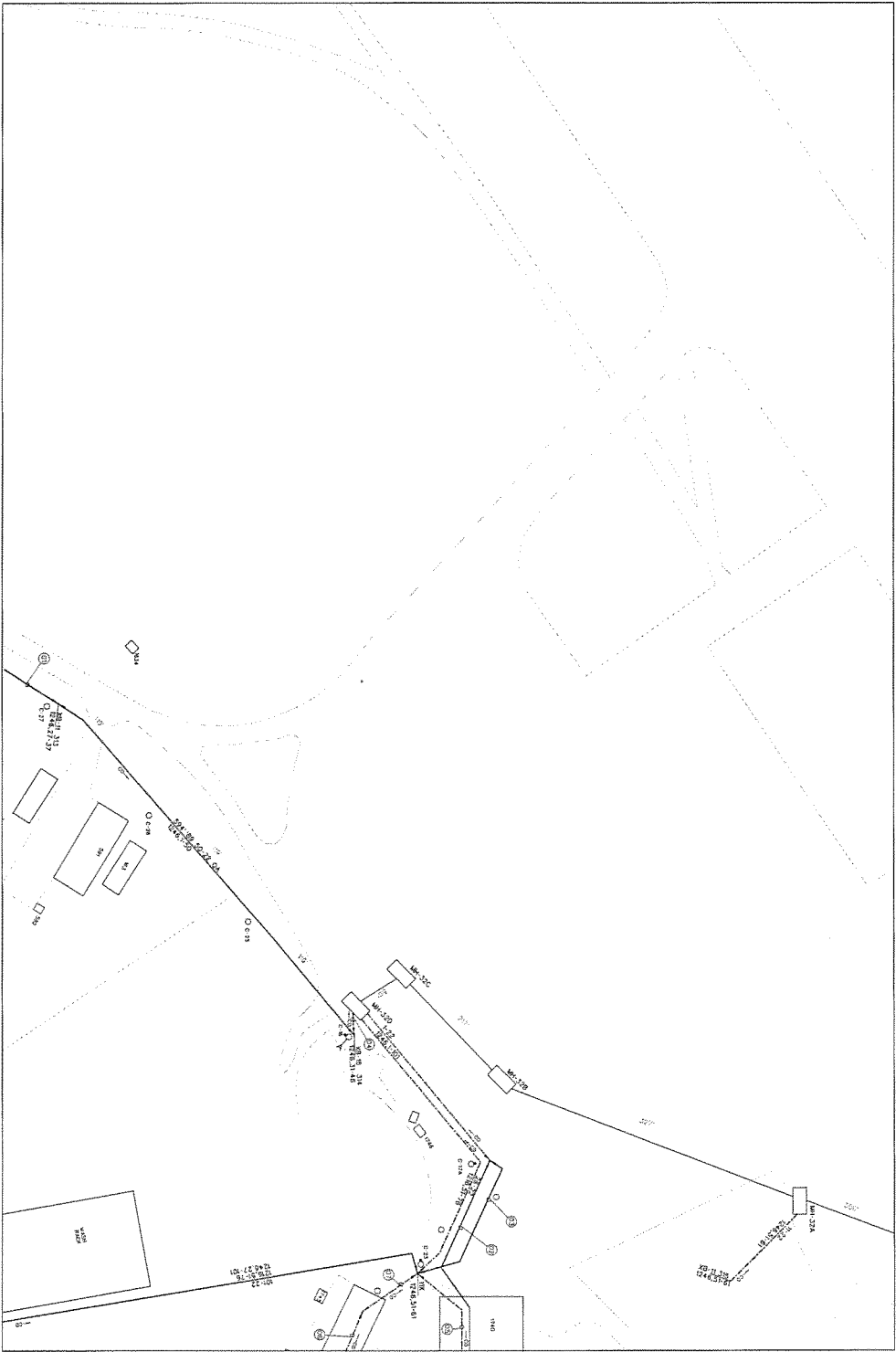


IF SHEET IS SMALLER THAN 24 X 36, DRAWING IS REDUCED.
 USE GRAPHIC SCALE FOR REDUCED DRAWING.

BSP-OSP-FM-47350490

NO.	REV.	DESCRIPTION	DATE
1		AS-BUILT DRAWING AS OF 08-29-2002	
2		AS-BUILT CONDITION AS OF 10-20-2000	

PROJECT NUMBER	47350490
PROJECT NAME	OUTSIDE PLANT FACILITY MAP
CLIENT	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
LOCATION	888885 PUNA MAUI AIR STATION
DATE	11-15-2000
DESIGNER	KANEKI, GARDI, HAWAII
SCALE	AS SHOWN



- ① 31.23
- ② 32.43
- ③ 33.63
- ④ 34.83
- ⑤ 36.03
- ⑥ 37.23
- ⑦ 38.43
- ⑧ 39.63
- ⑨ 40.83
- ⑩ 42.03
- ⑪ 43.23
- ⑫ 44.43
- ⑬ 45.63
- ⑭ 46.83
- ⑮ 48.03
- ⑯ 49.23
- ⑰ 50.43
- ⑱ 51.63
- ⑲ 52.83
- ⑳ 54.03
- ㉑ 55.23
- ㉒ 56.43
- ㉓ 57.63
- ㉔ 58.83
- ㉕ 60.03
- ㉖ 61.23
- ㉗ 62.43
- ㉘ 63.63
- ㉙ 64.83
- ㉚ 66.03
- ㉛ 67.23
- ㉜ 68.43
- ㉝ 69.63
- ㉞ 70.83
- ㉟ 72.03
- ㊱ 73.23
- ㊲ 74.43
- ㊳ 75.63
- ㊴ 76.83
- ㊵ 78.03
- ㊶ 79.23
- ㊷ 80.43
- ㊸ 81.63
- ㊹ 82.83
- ㊺ 84.03
- ㊻ 85.23
- ㊼ 86.43
- ㊽ 87.63
- ㊾ 88.83
- ㊿ 90.03

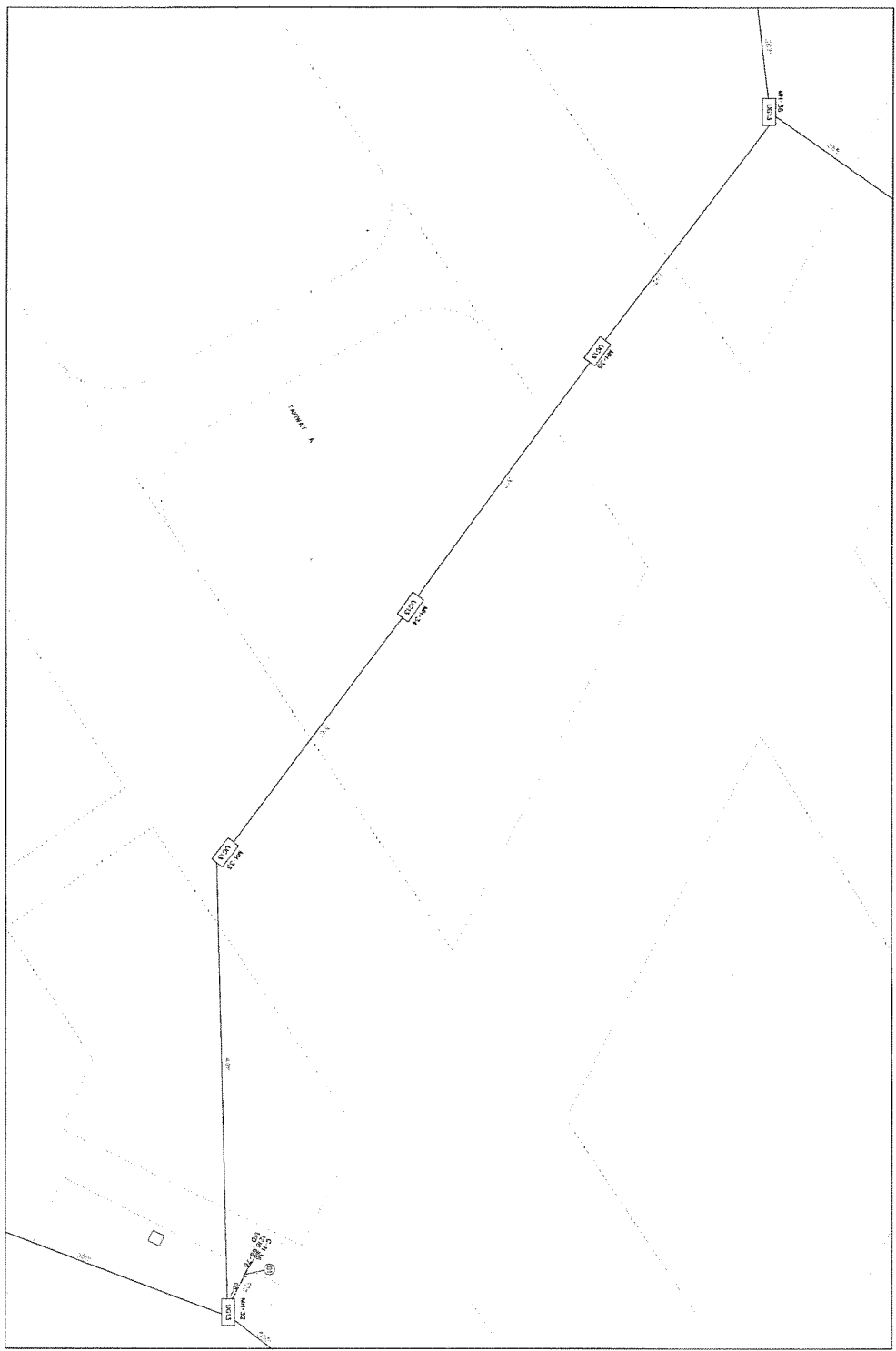


4730000	4730000	4730000	4730000
4735000	4735000	4735000	4735000

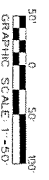
IF SHEET IS SPLIT, FROM 2A & 2B DRAWING IS REQUIRED.
 OF GRAPHIC SCALE FOR REPRODUCING DRAWINGS.

BSP-OSP-FM-47350500

AS-BUILD UPGRADE AS OF 08-28-2002	AS-BUILD CONDITION AS OF 10-20-2000	AS-BUILD	DATE
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT			
PARALLEL FROM MAWA AIR STATION			
OUTSIDE PLANT CABLE SYSTEM			
MAYHEW, OMAH, HAWAII			
HAWAIIAN HOTEL			
DATE: 08-28-2002			
BY: [Signature]			
CHECKED BY: [Signature]			
SCALE: 1"=50'			
SHEET NO. 31 OF 128			



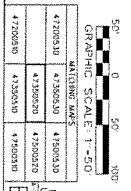
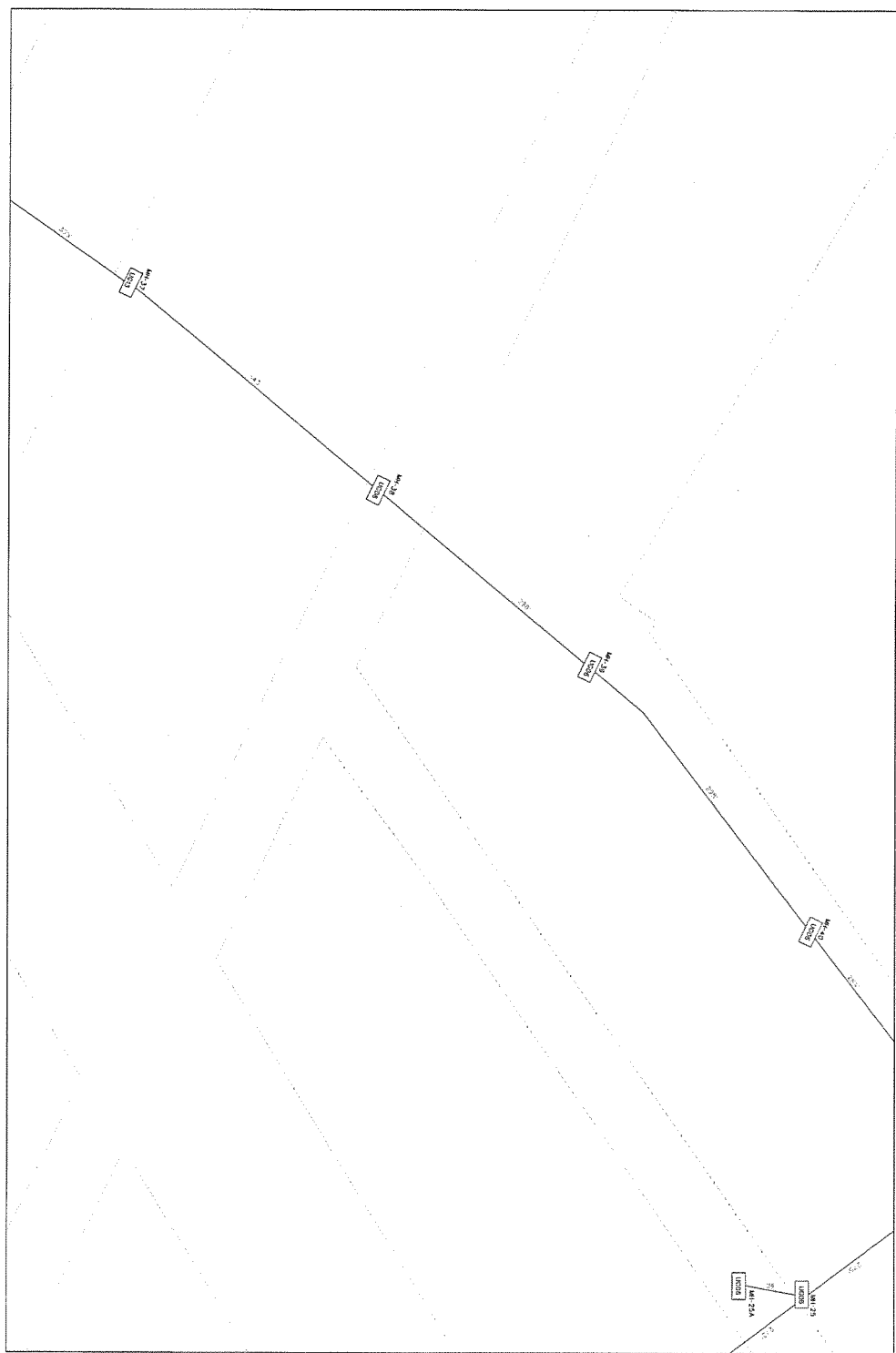
© 2002-2003
32000-001



47500000	47500000	47500000	47500000
47500000	47500000	47500000	47500000

IF SECT 15 SHALL BE MAINTAINED AS SHOWN, NO WORKING IS REQUIRED.
 USE OF SECT 15 SHALL BE PERMITTED ONLY FOR THE PURPOSES OF THIS PROJECT.
BSP-OSP-FM-47350510

DATE	REV	BY	APP	DESCRIPTION
AS-BUILT UPDATE AS OF 08-28-2002				
AS-BUILT CONDITION AS OF 02-20-2000				
* I T I S O R A S *				
3110	001	001	001	001
3110	001	001	001	001
HAWAII INTEGRATION TRANSFER SYSTEM (HITS) CONTRACT OUTSIDE PLANT CABLE SYSTEM KAPALEI, OAHU, HAWAII OUTSIDE PLANT FACILITY MAP				
DATE	REV	BY	APP	DESCRIPTION
07-23-00	01	001	001	001
07-23-00	01	001	001	001
HITS CONTRACT OUTSIDE PLANT CABLE SYSTEM KAPALEI, OAHU, HAWAII OUTSIDE PLANT FACILITY MAP				

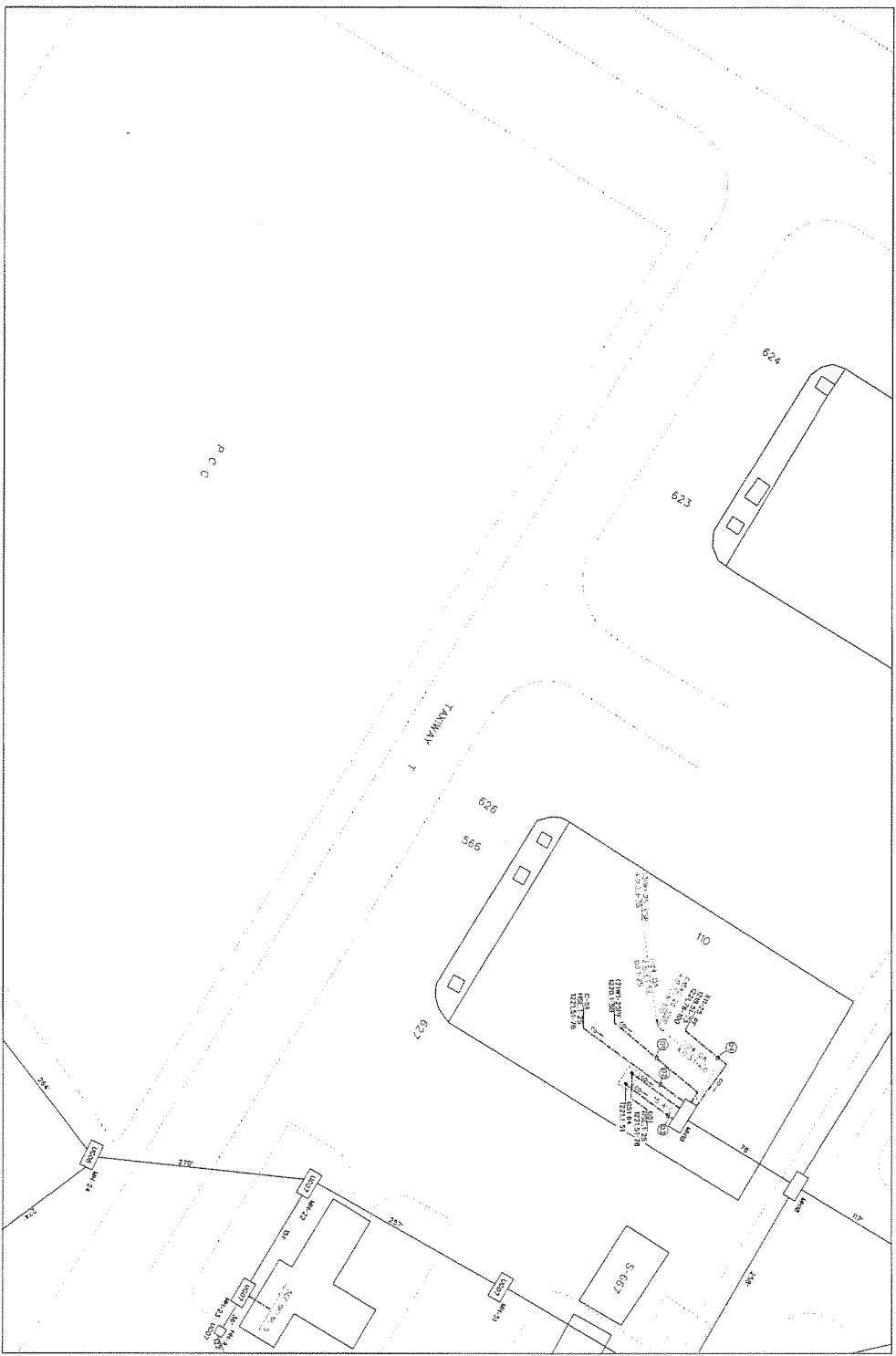


IF A DISTANCE IS SHOWN IN PARENTS, THE DISTANCE IS IN METERS. IF A DISTANCE IS SHOWN IN SQUARES, THE DISTANCE IS IN FEET. IF A DISTANCE IS SHOWN IN CIRCLES, THE DISTANCE IS IN METERS.

BSP-OSP-FM-47350520

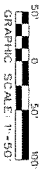
DATE	DESCRIPTION	BY	APP'D
11-15-2000	AS-BUILT CONDITION AS OF 08-29-2002		
11-15-2000	AS-BUILT CONDITION AS OF 08-29-2002		

PROJECT NO.	08-29-2002
CONTRACT NO.	08-29-2002
PROJECT NAME	HAWAII INFORMATION TRANSMISSION SYSTEM
CONTRACTOR	HAWAII INFORMATION TRANSMISSION SYSTEM
CLIENT	DEFENSE INFORMATION SYSTEMS CENTER
LOCATION	KAPALELE, OAHU, HAWAII
DATE	11-15-2000
SCALE	1" = 200'
PROJECT ENGINEER	DAVIDSON, J. W.
PROJECT MANAGER	DAVIDSON, J. W.
DATE PLOTTED	11-15-2000
PLotted BY	DAVIDSON, J. W.
SCALE	1" = 200'
PROJECT NO.	08-29-2002
CONTRACT NO.	08-29-2002
PROJECT NAME	HAWAII INFORMATION TRANSMISSION SYSTEM
CONTRACTOR	HAWAII INFORMATION TRANSMISSION SYSTEM
CLIENT	DEFENSE INFORMATION SYSTEMS CENTER
LOCATION	KAPALELE, OAHU, HAWAII
DATE	11-15-2000
SCALE	1" = 200'
PROJECT ENGINEER	DAVIDSON, J. W.
PROJECT MANAGER	DAVIDSON, J. W.
DATE PLOTTED	11-15-2000
PLotted BY	DAVIDSON, J. W.



P.C.C.

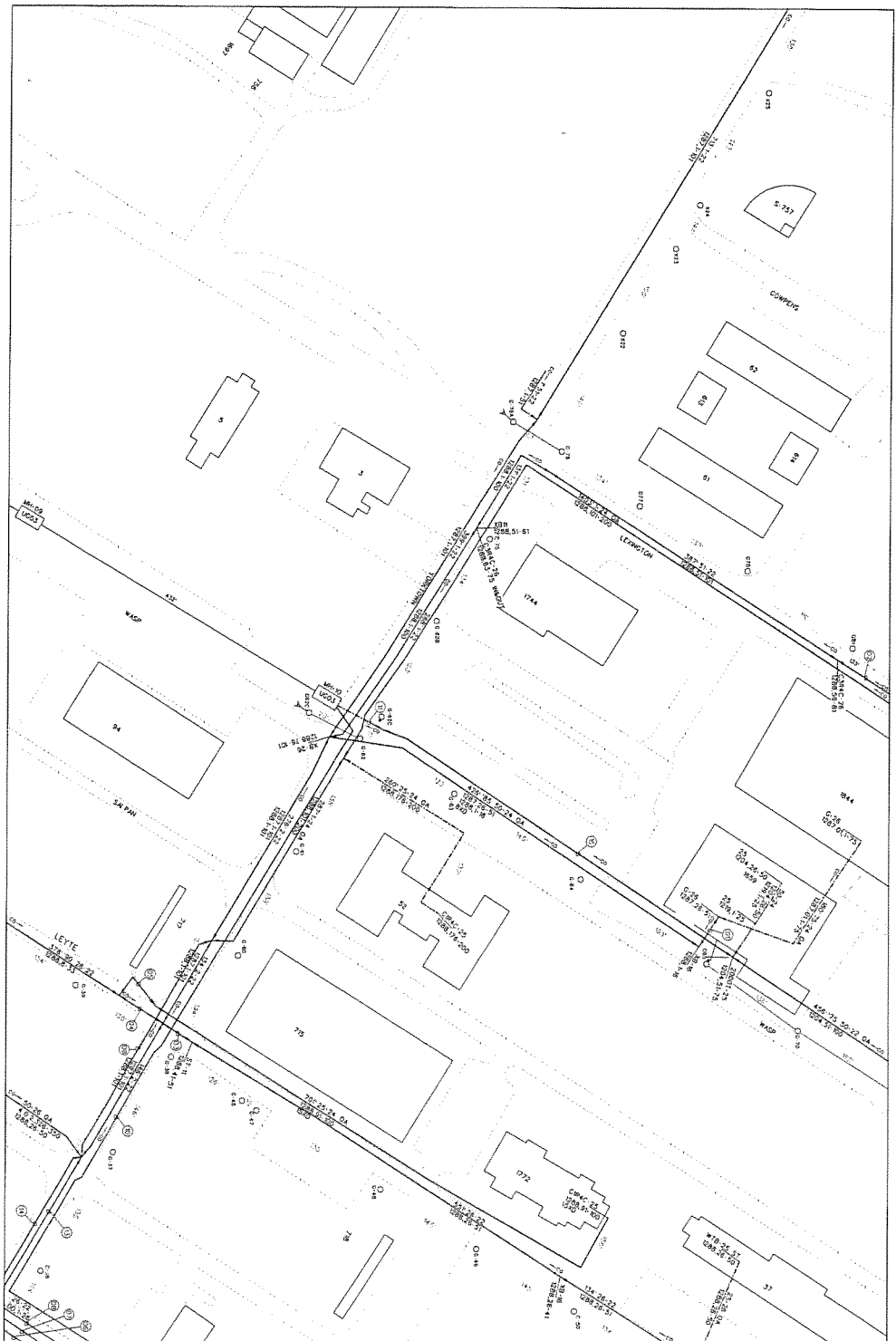
- ① 100' 100' 100' CA
- ② 100' 100' 100' CA
- ③ 100' 100' 100' CA
- ④ 100' 100' 100' CA
- ⑤ 100' 100' 100' CA



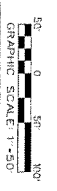
47300240	47300250	47300260	47300270	47300280
47300290	47300300	47300310	47300320	47300330

IF SHEET IS SMALLER THAN 24" X 36", DIMENSIONS IS REDUCED.
BSP-OSP-FM-47350530

DATE	DESCRIPTION	BY	CHKD
05/01/00	AS-BUILT UPDATE AS OF 08-28-2002		
05/01/00	AS-BUILT CONDITION AS OF 10-20-2000		
PROJECT INFORMATION			
PROJECT NO.	02A3300-37-0-002	DATE	08/24/99
PROJECT NAME	OUTSIDE PLANT FACILITY MAP	PROJECT LOCATION	KAHOOLAWE
PROJECT OWNER	STATE OF HAWAII	PROJECT ENGINEER	DAVID L. HARRIS
PROJECT ARCHITECT	DAVID L. HARRIS	PROJECT CONTRACTOR	DAVID L. HARRIS
PROJECT CONSULTANT	DAVID L. HARRIS	PROJECT REVIEWER	DAVID L. HARRIS
PROJECT DRAWN BY	DAVID L. HARRIS	PROJECT CHECKED BY	DAVID L. HARRIS



- ① 07-28-25
- ② 07-28-25
- ③ 07-28-25
- ④ 07-28-25
- ⑤ 07-28-25
- ⑥ 07-28-25
- ⑦ 07-28-25
- ⑧ 07-28-25
- ⑨ 07-28-25
- ⑩ 07-28-25
- ⑪ 07-28-25
- ⑫ 07-28-25
- ⑬ 07-28-25
- ⑭ 07-28-25
- ⑮ 07-28-25
- ⑯ 07-28-25
- ⑰ 07-28-25
- ⑱ 07-28-25
- ⑲ 07-28-25
- ⑳ 07-28-25
- ㉑ 07-28-25
- ㉒ 07-28-25
- ㉓ 07-28-25
- ㉔ 07-28-25
- ㉕ 07-28-25
- ㉖ 07-28-25
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- ㊺ 07-28-25

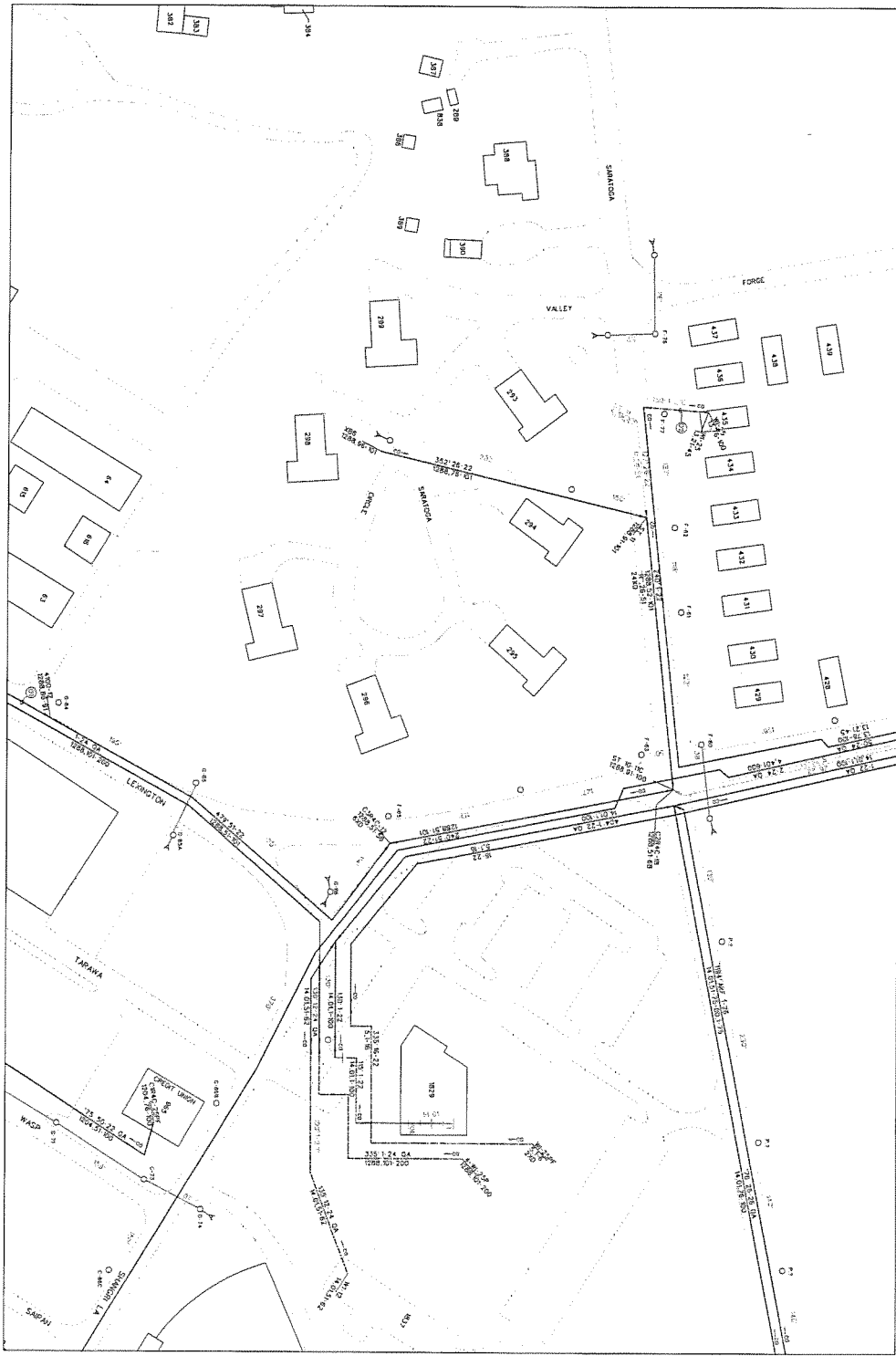


47300540	47300540	47300540	47300540
47300540	47300540	47300540	47300540

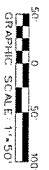
IF SHEET 115 IS QUANTIFIED, THE TOTAL NUMBER OF SHEETS REQUIRED IS 115. THE TOTAL NUMBER OF SHEETS REQUIRED IS 115. THE TOTAL NUMBER OF SHEETS REQUIRED IS 115.

AS-BUILT UPDATE AS OF 09-28-2002		REV: 11084	
AS-BUILT CONDITION AS OF 10-20-2000		PROJECT NO. 06A300-97-0-002	
PROJECT NAME: HAWAII INFORMATION TRANSFER SYSTEM		CONTRACTOR: BORGES PERRY NAVAL AIR STATION	
PROJECT LOCATION: OUTSIDE MAIN CAMP HALE SYSTEM		DRAWING NO.: 06A300-97-0-002	
PROJECT DESCRIPTION: OUTSIDE PLANT FACILITY MAP		DATE: 10/20/00	
PROJECT NUMBER: 06A300-97-0-002		SCALE: AS NOTED	
PROJECT LOCATION: CONL A001 Jan 26 of 128		DRAWING NO.: 06A300-97-0-002	

2119 KANALUAHOLE ROAD, HONOLULU, HI 96819
 808-531-1111
 808-531-1112
 808-531-1113
 808-531-1114
 808-531-1115
 808-531-1116
 808-531-1117
 808-531-1118
 808-531-1119
 808-531-1120
 808-531-1121
 808-531-1122
 808-531-1123
 808-531-1124
 808-531-1125
 808-531-1126
 808-531-1127
 808-531-1128
 808-531-1129
 808-531-1130



5132
5133 5134
5135 5136
5137 5138



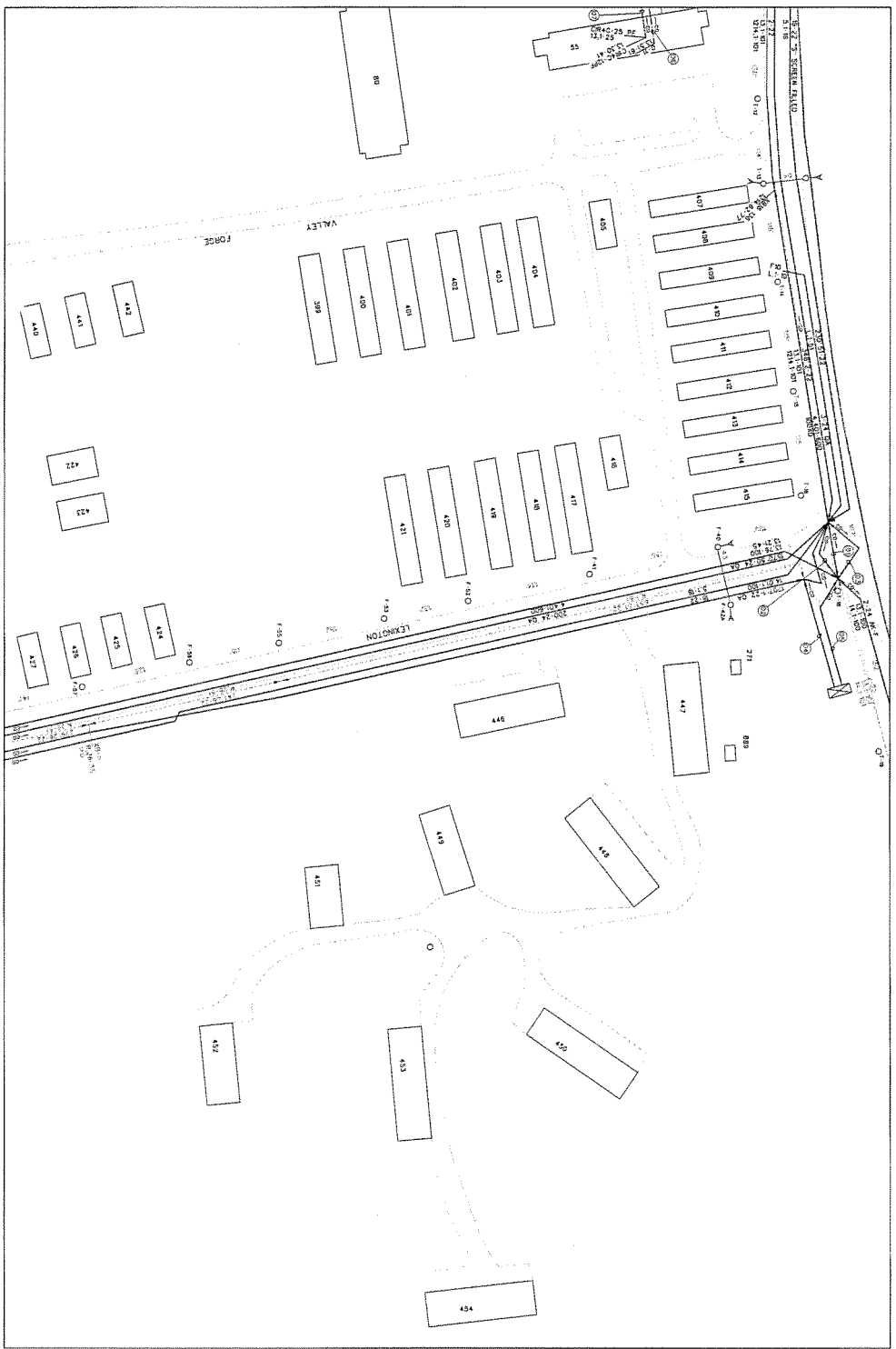
47305010 47305020 47305030 47305040
47305050 47305060 47305070 47305080
47305090 47305100 47305110 47305120

BSP-OSP FM-47350560

IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REDUCED.
IF SHEET IS LARGER THAN 28 X 40, DRAWING IS ENLARGED.

NO.	REVISIONS	DATE
1	AS BUILT CONDITION AS OF 10/28/2000	
2		

PROJECT NO.	0013100-91-0-002
CONTRACT NO.	0013100-91-0-002
CONTRACT NAME	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
CLIENT	BORGES FIGHT NAVAL AIR STATION
LOCATION	OUTSIDE PLANT CANAL SYSTEM
PROJECT LOCATION	PERIODIC CHECKS, HAWAII
PROJECT INFORMATION	OUTSIDE PLANT FACILITY DRAW
DRAWN BY	F
CHECKED BY	AS NOTED
DATE	0013100-91-0-002
SCALE	CORR. ACCORD TO 37 & 12B



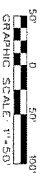
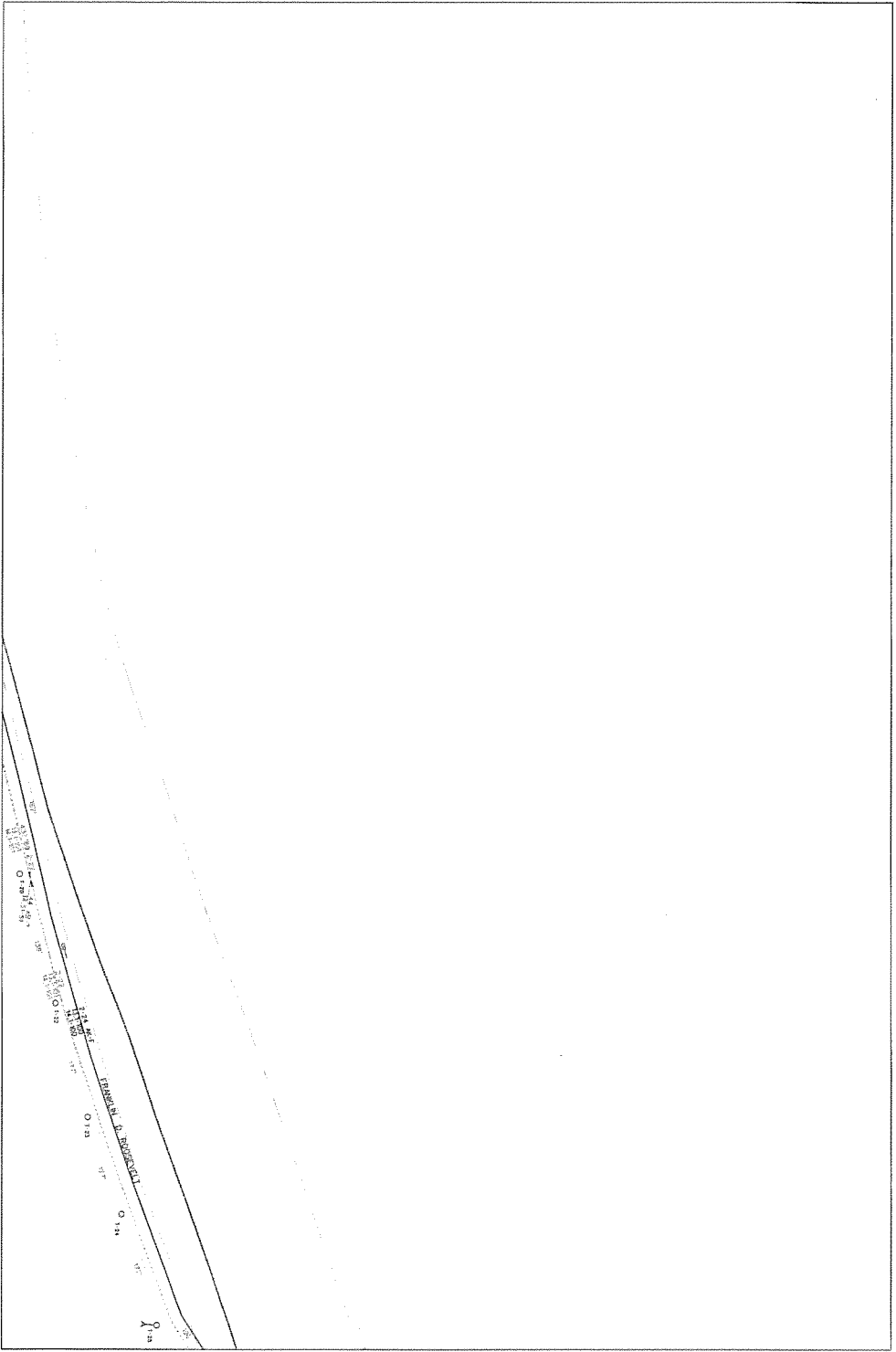
- ① 21-21'
- ② 21-10'
- ③ 20-2300'
- ④ 1-11-100'
- ⑤ 4' 0" x 28' 0" U
- ⑥ 24' 0" x 28' 0" U
- ⑦ 24' 0" x 10' 0" U
- ⑧ 24' 0" x 10' 0" U
- ⑨ 24' 0" x 10' 0" U
- ⑩ 24' 0" x 10' 0" U
- ⑪ 24' 0" x 10' 0" U
- ⑫ 24' 0" x 10' 0" U
- ⑬ 24' 0" x 10' 0" U
- ⑭ 24' 0" x 10' 0" U
- ⑮ 24' 0" x 10' 0" U
- ⑯ 24' 0" x 10' 0" U
- ⑰ 24' 0" x 10' 0" U
- ⑱ 24' 0" x 10' 0" U
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- ㉟ 24' 0" x 10' 0" U
- ㊱ 24' 0" x 10' 0" U
- ㊲ 24' 0" x 10' 0" U
- ㊳ 24' 0" x 10' 0" U
- ㊴ 24' 0" x 10' 0" U
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- ㊽ 24' 0" x 10' 0" U
- ㊾ 24' 0" x 10' 0" U
- ㊿ 24' 0" x 10' 0" U

50'	0'	50'	100'
1" = 50'	GRAPHIC SCALE		
47200580	47200581	47200582	47200583

BSP-OSP-FM-47350570

IS SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT RESPONSIBILITY OF THE DESIGNER.

AS-BUILT UPDATE AS OF 08-28-2007	DATE	08-28-2007
AS-BUILT CONDITION AS OF 10-20-2000	DATE	10-20-2000
HAWAII INFORMATION TRANSFER SYSTEM BARRIS FROM DATA AIR STATION OUTSIDE PLANT CABLE SYSTEM BARRETT, DAN, HAWAII		
TYPE	DATE	NO.
AS-BUILT	08-28-2007	002
REVISIONS	DATE	NO.
AS-BUILT	10-20-2000	001



ACTION TYPE	
47300380	47300380
47300370	47300370
47300370	47300370

IF OBJECT IS CHANGED FROM 2D TO 3D, DRAWING IS REDUCED.
 USE GRAPHIC SCALE FOR REDUCED DRAWING.

BSP-OSP-FM-47350580

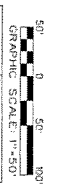
REV	DATE	DESCRIPTION	BY	CHKD	APP'D
1	08-28-2002	AS-BUILT UPDATE AS OF 08-28-2002			
2	02-20-2000	AS-BUILT CONDITION AS OF 02-20-2000			

ACTIVITY

ADD/DELETE/REVISE
 HAWAII INFORMATION TRANSFER SYSTEM
 (HITS) CONTRACT

DESCRIPTION
 HAWAII INFORMATION TRANSFER SYSTEM
 OUTSIDE PLANT CABLE SYSTEM
 KAPHEI, OAHU, HAWAII

PROJECT INFORMATION
 PROJECT NO. CA3000-91-0-002
 SHEET NO. 38 OF 128



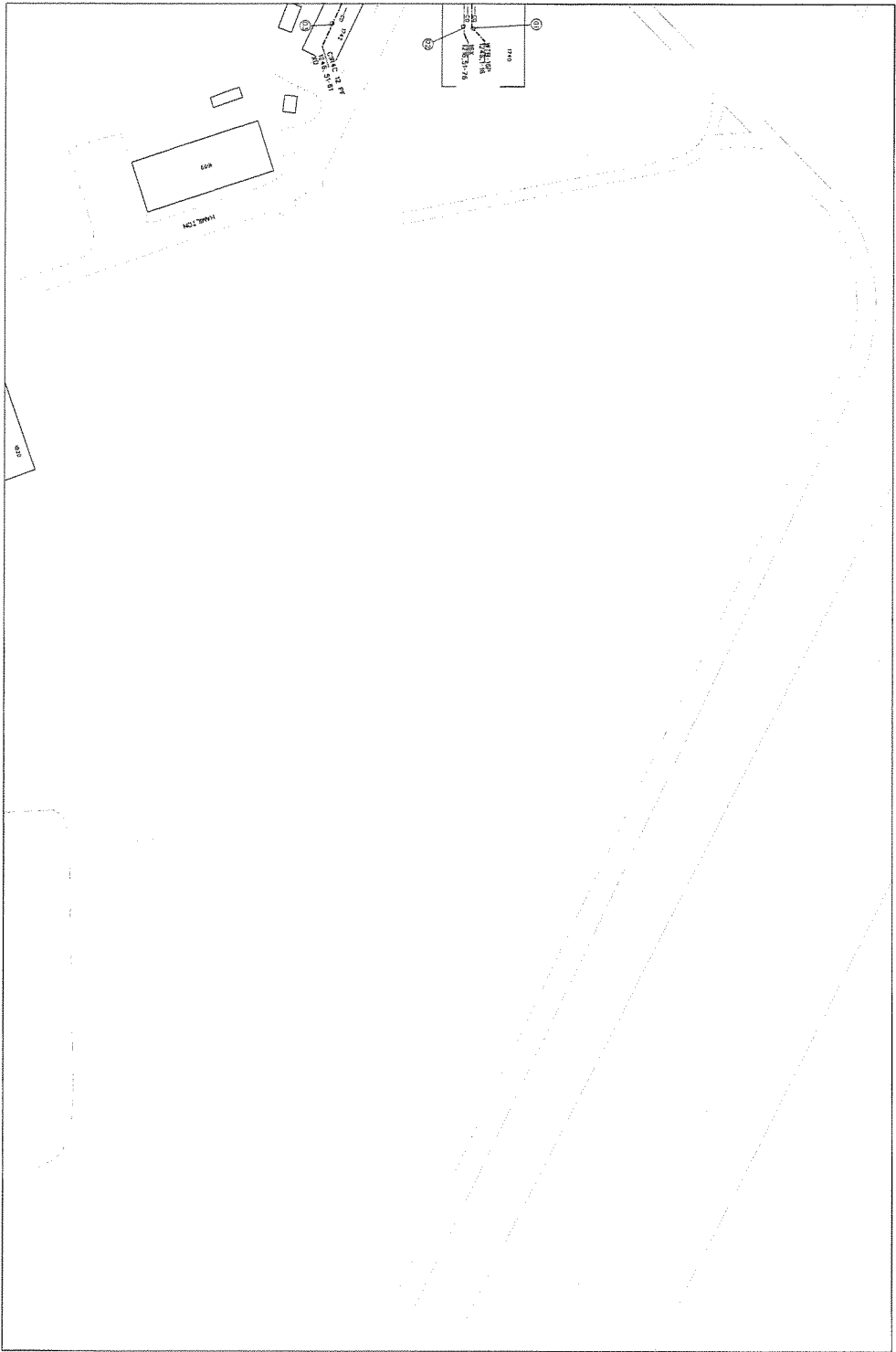
4750000	4750000	4750000	4750000
4750000	4750000	4750000	4750000

AS-BUILT DRAWING IS SUBJECT TO THE FOLLOWING NOTES:
 1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

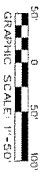
BSP-OSP-FM-47500490

DATE	DESCRIPTION	BY	CHECKED
11-15-2000	AS-BUILT DRAWING OF THE OUTSIDE PLANT CABLE SYSTEM FOR THE HAWAII TELEPHONE SYSTEM	...	...
11-15-2000	AS-BUILT DRAWING OF THE OUTSIDE PLANT CABLE SYSTEM FOR THE HAWAII TELEPHONE SYSTEM	...	...
11-15-2000	AS-BUILT DRAWING OF THE OUTSIDE PLANT CABLE SYSTEM FOR THE HAWAII TELEPHONE SYSTEM	...	...

PROJECT NO. 00A309-91-0-002
 SHEET NO. 40 OF 128



① 2023
 ② 2023
 ③ 2023

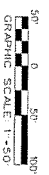
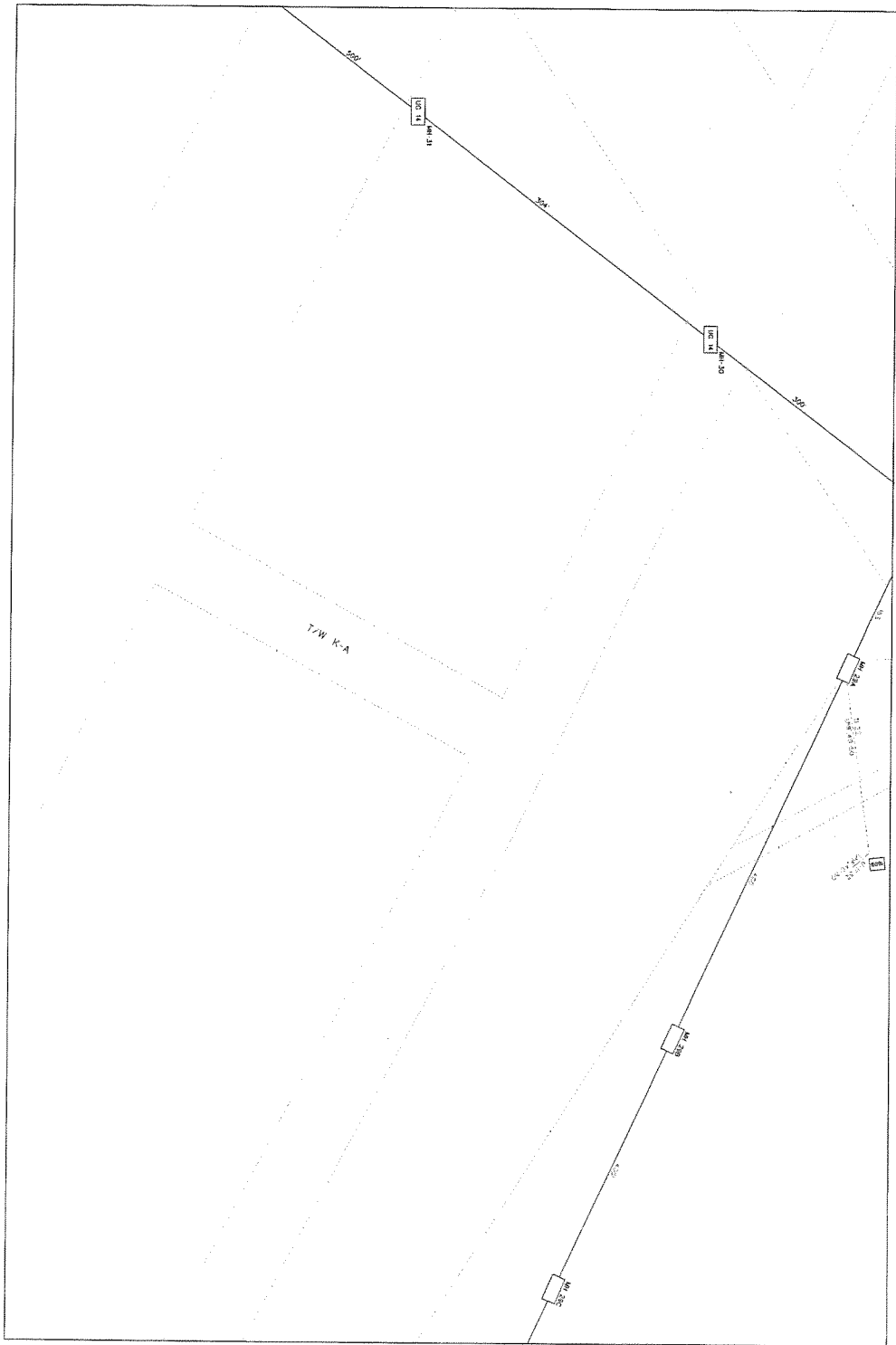


47500000	47500000	47500000
47500000	47500000	47500000
47500000	47500000	47500000

IF SHEET IS SHOWN ALONG WITH OTHER SHEETS IN THIS SET, THE SHEET NUMBER IS REFERENCED TO THE SHEET NUMBER.

BSP-OSP-FM-475000500

PROJECT INFORMATION	PROJECT NAME	PROJECT NUMBER	PROJECT DATE
PROJECT LOCATION	PROJECT OWNER	PROJECT CONTRACTOR	PROJECT ENGINEER
PROJECT DESCRIPTION	PROJECT PHASE	PROJECT STATUS	PROJECT COMMENTS



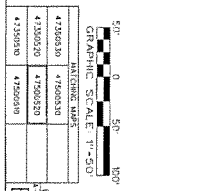
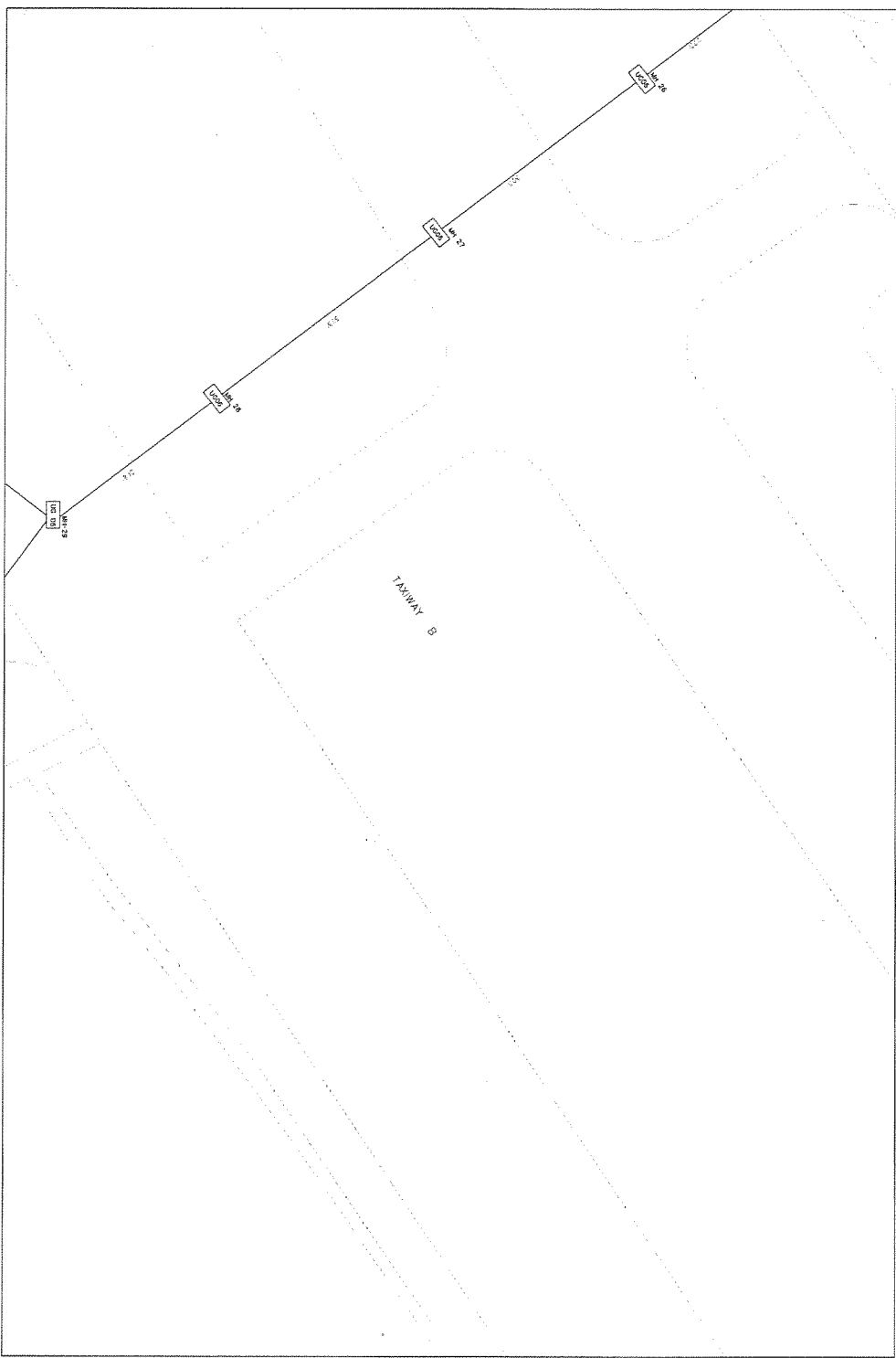
47500000 47500000
 47500000 47500000
 47500000 47500000

IF ANY PART OF THIS PLAN SHOWS A CONFLICT WITH ANY OTHER PLAN, THE MOST RECENTLY RECORDED SHALL CONTROL.
BSP-OSP-FM-475000510

NO.	DESCRIPTION	DATE	BY	APPROVED
1	AS-BUILT UPDATE AS OF 08-29-2002			
2	AS-BUILT CORRECTION AS OF 09-20-2000			

DATE	DESCRIPTION	BY	APPROVED
11-15-2000	AS-BUILT CORRECTION AS OF 09-20-2000		

DATE	DESCRIPTION	BY	APPROVED
08-29-2002	AS-BUILT CORRECTION AS OF 09-20-2000		



15. SHEET 15 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

16. SHEET 16 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

17. SHEET 17 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

18. SHEET 18 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

19. SHEET 19 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

20. SHEET 20 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

21. SHEET 21 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

22. SHEET 22 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

23. SHEET 23 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

24. SHEET 24 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

25. SHEET 25 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

26. SHEET 26 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

27. SHEET 27 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

28. SHEET 28 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

29. SHEET 29 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

30. SHEET 30 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

31. SHEET 31 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

32. SHEET 32 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

33. SHEET 33 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

34. SHEET 34 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

35. SHEET 35 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

36. SHEET 36 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

37. SHEET 37 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

38. SHEET 38 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

39. SHEET 39 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

40. SHEET 40 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

41. SHEET 41 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

42. SHEET 42 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

43. SHEET 43 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

44. SHEET 44 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

45. SHEET 45 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

46. SHEET 46 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

47. SHEET 47 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

48. SHEET 48 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

49. SHEET 49 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

50. SHEET 50 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

51. SHEET 51 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

52. SHEET 52 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

53. SHEET 53 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

54. SHEET 54 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

55. SHEET 55 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

56. SHEET 56 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

57. SHEET 57 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

58. SHEET 58 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

59. SHEET 59 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

60. SHEET 60 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

61. SHEET 61 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

62. SHEET 62 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

63. SHEET 63 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

64. SHEET 64 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

65. SHEET 65 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

66. SHEET 66 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

67. SHEET 67 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

68. SHEET 68 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

69. SHEET 69 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

70. SHEET 70 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

71. SHEET 71 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

72. SHEET 72 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

73. SHEET 73 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

74. SHEET 74 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

75. SHEET 75 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

76. SHEET 76 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

77. SHEET 77 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

78. SHEET 78 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

79. SHEET 79 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

80. SHEET 80 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

81. SHEET 81 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

82. SHEET 82 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

83. SHEET 83 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

84. SHEET 84 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

85. SHEET 85 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

86. SHEET 86 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

87. SHEET 87 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

88. SHEET 88 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

89. SHEET 89 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

90. SHEET 90 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

91. SHEET 91 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

92. SHEET 92 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

93. SHEET 93 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

94. SHEET 94 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

95. SHEET 95 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

96. SHEET 96 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

97. SHEET 97 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

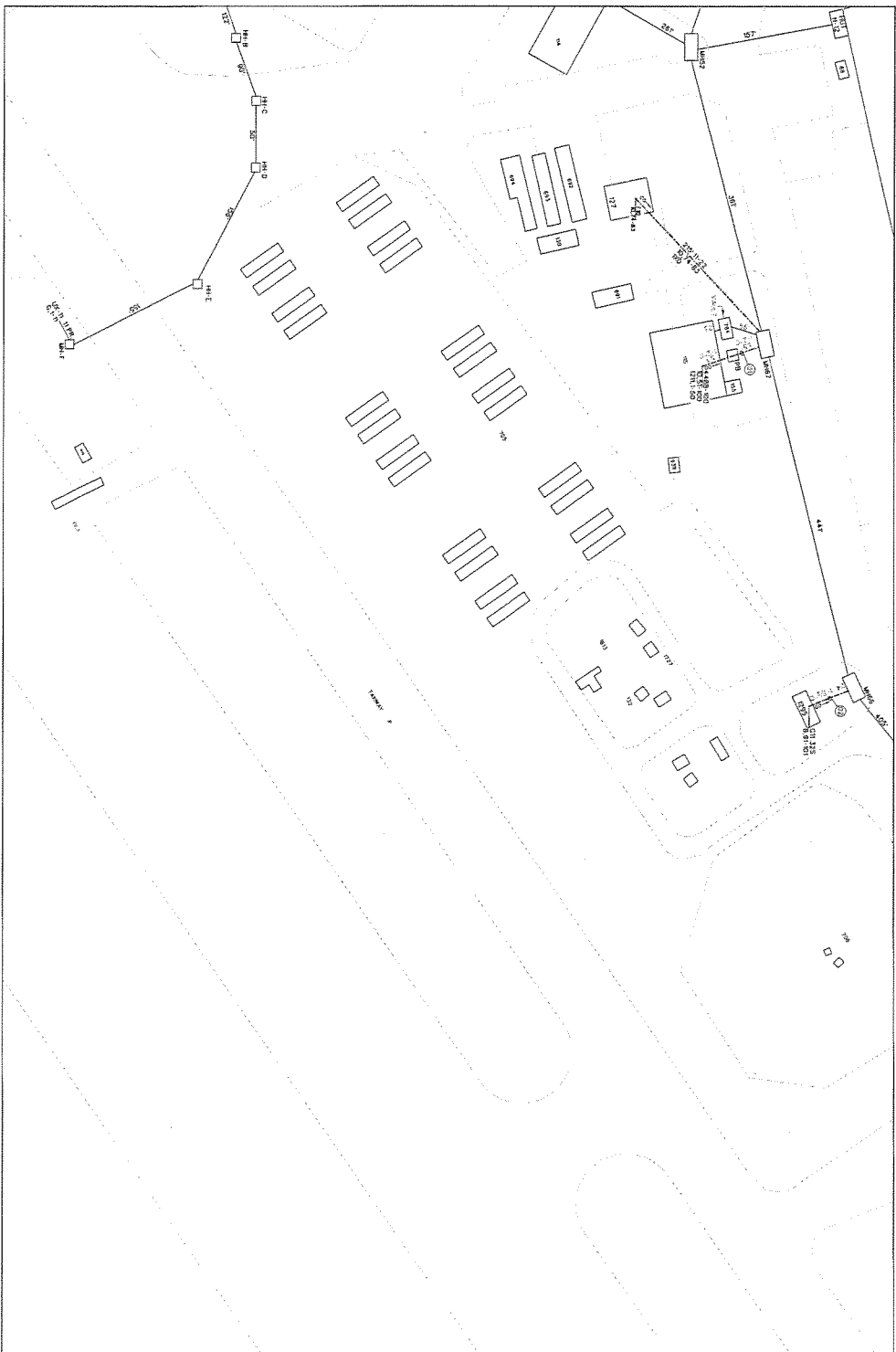
98. SHEET 98 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

99. SHEET 99 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

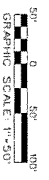
100. SHEET 100 SHALL BE DRAWN TO A SCALE OF 1/4\"/>

NO.	AS-BUILT DRAWING NO.	DATE	BY	CHKD.	APP'D.
1	AS-BUILT DRAWING NO. 01-29-2002				
2	AS-BUILT DRAWING NO. 02-20-2000				
REVISED					
ADDITIONAL INFORMATION: HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT ADDRESS: POINT NAHA AIR STATION OUTSIDE PLANT CABLE SYSTEM KAPALEI, OAHU, HAWAII					
PROJECT INFORMATION: SUBSIDE PLANT FACILITY MAP SHEET NO. 15 DATE: 02-20-2000					
DRAWING INFORMATION: SCALE: 1/4" = 1'-0" DATE: 02-20-2000					

15. SHEET 15 SHALL BE DRAWN TO A SCALE OF 1/4" = 1'-0" AND REVISIONS ARE REVERSED.



© 1984 HRF
 11/22/84
 11/22/84
 11/22/84



DATE: 11-15-2000
 DRAWN BY: [Name]
 CHECKED BY: [Name]

47500530 47500530 47500530 47500530

BSP-OSP-FM-47500530

IF A PORT IS SHOWN WITH A 40' SPACING IS INDICATED, USE DIMENSION LINE FOR REFERENCE DIMENSIONS.

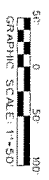
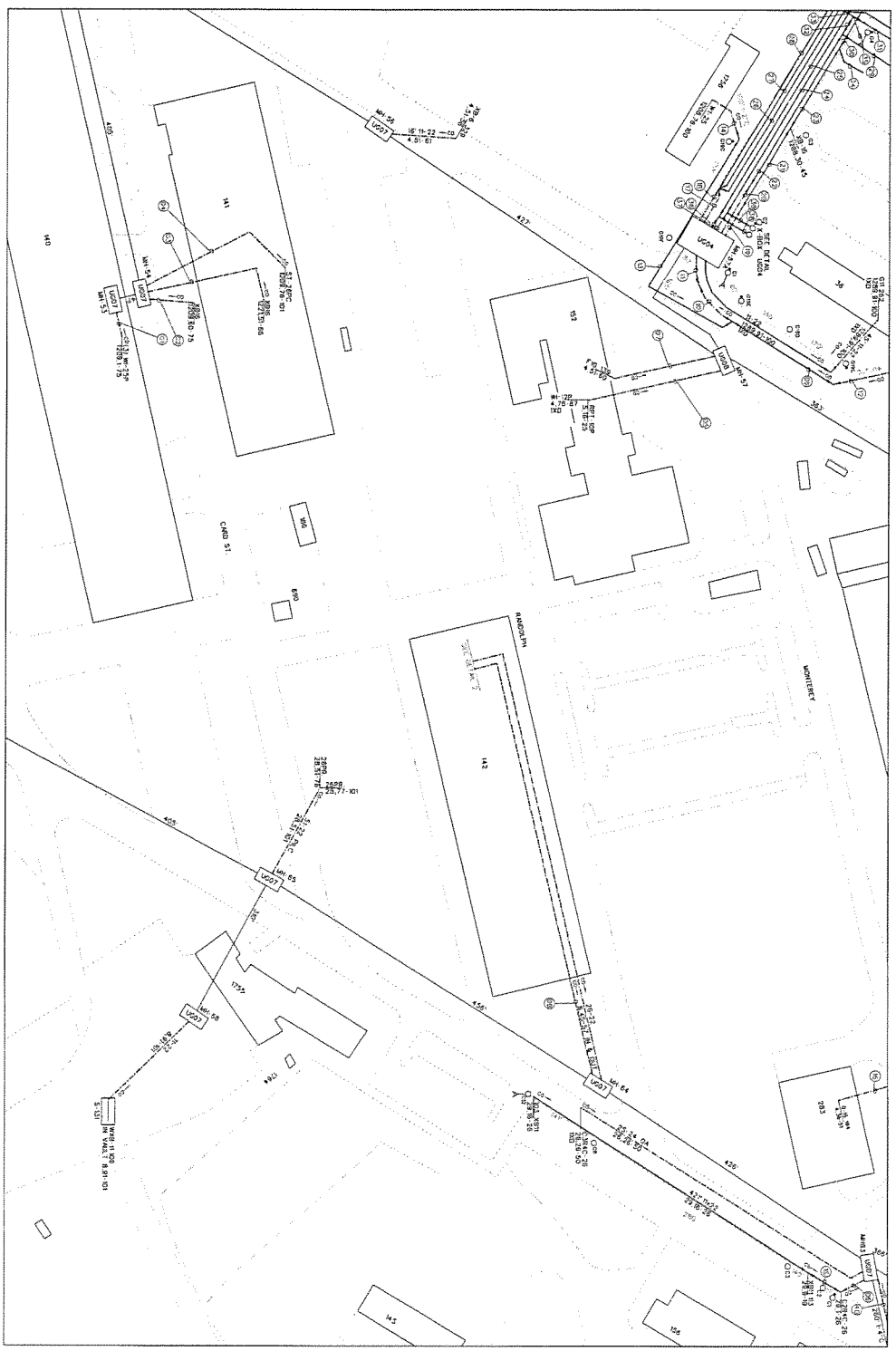
NO.	DATE	DESCRIPTION
1	11-15-2000	AS-BUILT UPDATE AS OF 08-29-2002
2	11-15-2000	AS-BUILT CORRECTION AS OF 01-20-2000

ALL UTILITIES SHOWN ARE BASED ON THE FOLLOWING INFORMATION:
 1. AS-BUILT RECORDS
 2. FIELD SURVEY
 3. UTILITY RECORDS
 4. OTHER AVAILABLE RECORDS

PROJECT: HAWAII INFORMATION TRANSFER SYSTEM
 CONTRACT: HAWAII INFORMATION TRANSFER SYSTEM
 LOCATION: HAWAII INFORMATION TRANSFER SYSTEM
 DRAWING NO.: 47500530

DATE: 11-15-2000
 DRAWN BY: [Name]
 CHECKED BY: [Name]

SCALE: AS NOTED
 SHEET NO.: 44 of 178



47500530	47500540	47500550	47500560
47500570	47500580	47500590	47500600

BSP-OSP-FM-47500540

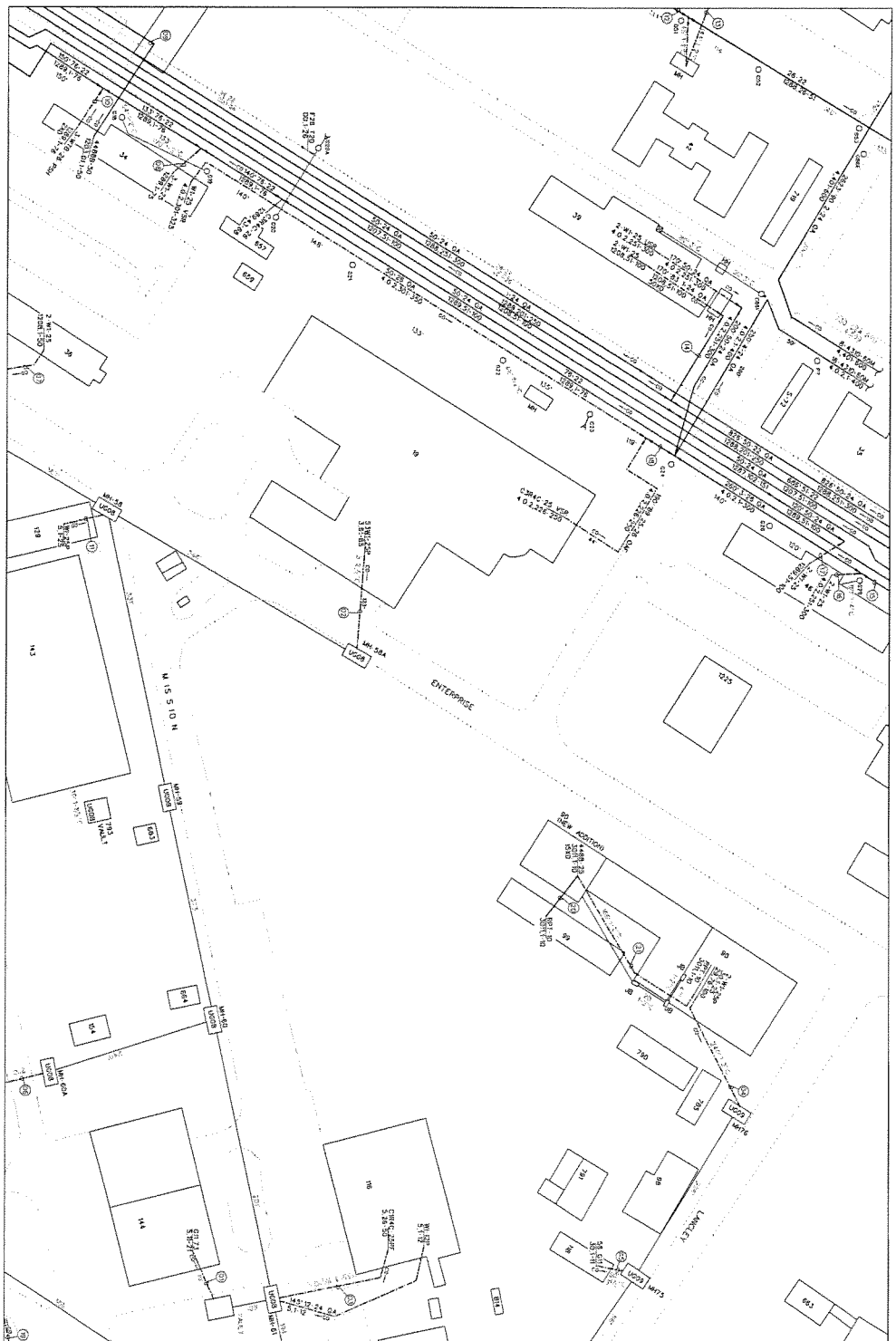
IF SHEET IS SHOWN IN A DIFFERENT POSITION, IT IS REFERRED TO AS SHOWN IN THE INDEX.

NO.	DESCRIPTION	DATE	BY
1	AS-BUILT UPDATE AS OF 08-28-2002		
2	AS-BUILT CONDITION AS OF 05-20-2000		

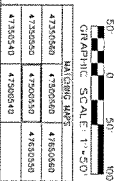
NO.	DESCRIPTION	DATE	BY
1	AS-BUILT UPDATE AS OF 08-28-2002		
2	AS-BUILT CONDITION AS OF 05-20-2000		

NO.	DESCRIPTION	DATE	BY
1	AS-BUILT UPDATE AS OF 08-28-2002		
2	AS-BUILT CONDITION AS OF 05-20-2000		

- 124. M.V.
- 125. M.V.
- 126. M.V.
- 127. M.V.
- 128. M.V.
- 129. M.V.
- 130. M.V.
- 131. M.V.
- 132. M.V.
- 133. M.V.
- 134. M.V.
- 135. M.V.
- 136. M.V.
- 137. M.V.
- 138. M.V.
- 139. M.V.
- 140. M.V.
- 141. M.V.
- 142. M.V.
- 143. M.V.
- 144. M.V.
- 145. M.V.
- 146. M.V.
- 147. M.V.
- 148. M.V.
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- 152. M.V.
- 153. M.V.
- 154. M.V.
- 155. M.V.
- 156. M.V.
- 157. M.V.
- 158. M.V.
- 159. M.V.
- 160. M.V.
- 161. M.V.
- 162. M.V.
- 163. M.V.
- 164. M.V.
- 165. M.V.
- 166. M.V.
- 167. M.V.
- 168. M.V.
- 169. M.V.
- 170. M.V.
- 171. M.V.
- 172. M.V.
- 173. M.V.
- 174. M.V.
- 175. M.V.
- 176. M.V.
- 177. M.V.
- 178. M.V.
- 179. M.V.
- 180. M.V.
- 181. M.V.
- 182. M.V.
- 183. M.V.
- 184. M.V.
- 185. M.V.
- 186. M.V.
- 187. M.V.
- 188. M.V.
- 189. M.V.
- 190. M.V.
- 191. M.V.
- 192. M.V.
- 193. M.V.
- 194. M.V.
- 195. M.V.
- 196. M.V.
- 197. M.V.
- 198. M.V.
- 199. M.V.
- 200. M.V.

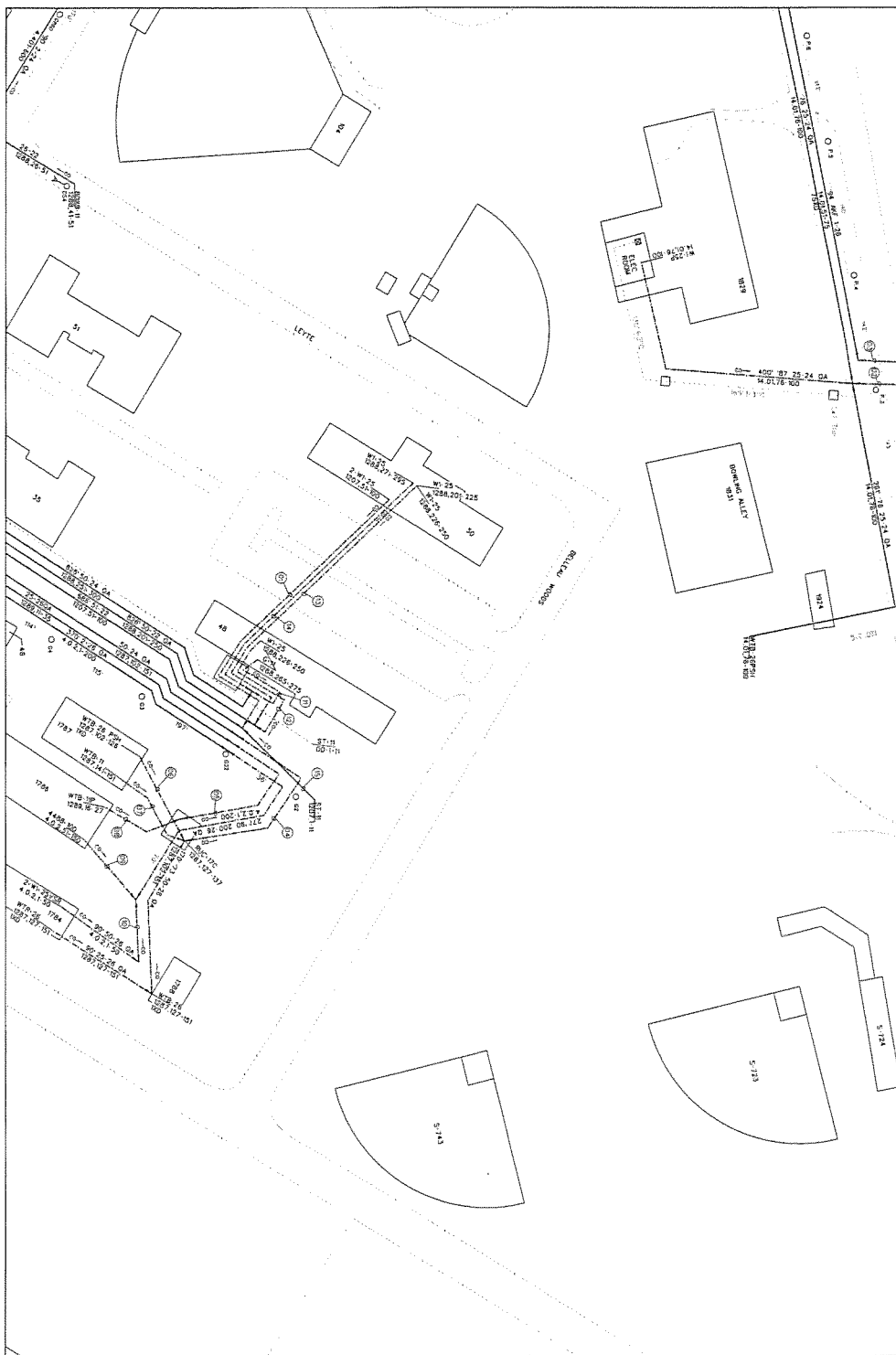


- ① 10' x 12' x 12'
- ② 12' x 12' x 12'
- ③ 12' x 12' x 12'
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- ⑤ 12' x 12' x 12'
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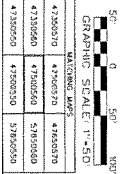


IF SHEET 1 IS SMALLER THAN 24\"/>

1. PROJECT TITLE: HAWAII INFORMATION TRANSFER SYSTEM 2. SHEET TITLE: HITS FACILITY CONSTRUCTION AS OF 10-20-2000 3. DRAWING NUMBER: 11-15-2000		4. DATE: 11-15-2000 5. DRAWING SCALE: AS SHOWN	
6. PROJECT LOCATION: HAWAII INFORMATION TRANSFER SYSTEM 7. CONTRACTOR: HITS CONTRACTOR		8. SHEET NO.: 11-15-2000 9. TOTAL SHEETS: 11	
10. DRAWING DATE: 11-15-2000 11. DRAWING BY: [REDACTED]		12. CHECKED BY: [REDACTED]	
13. APPROVED BY: [REDACTED]		14. DATE: [REDACTED]	
15. PROJECT NO.: [REDACTED]		16. SHEET NO.: [REDACTED]	
17. PROJECT NAME: HITS FACILITY CONSTRUCTION AS OF 10-20-2000		18. SHEET NO.: 11-15-2000	



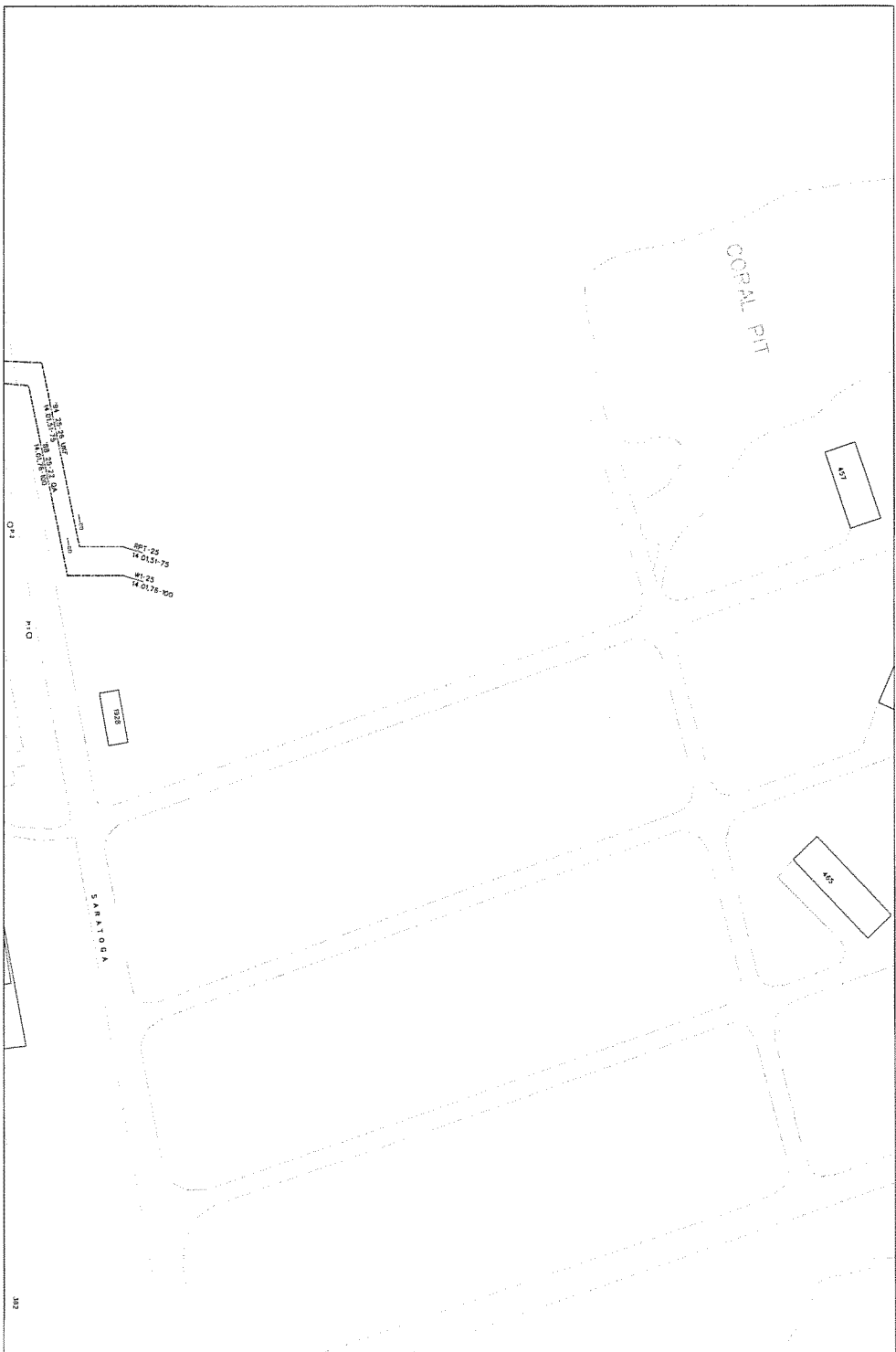
- 1. 400-50-24 0A
- 2. 400-50-24 0B
- 3. 400-50-24 0C
- 4. 400-50-24 0D
- 5. 400-50-24 0E
- 6. 400-50-24 0F
- 7. 400-50-24 0G
- 8. 400-50-24 0H
- 9. 400-50-24 0I
- 10. 400-50-24 0J
- 11. 400-50-24 0K
- 12. 400-50-24 0L
- 13. 400-50-24 0M
- 14. 400-50-24 0N
- 15. 400-50-24 0O
- 16. 400-50-24 0P
- 17. 400-50-24 0Q
- 18. 400-50-24 0R
- 19. 400-50-24 0S
- 20. 400-50-24 0T



IF SCALE IS SMALLER THAN 28 X 34, DRAWING IS REDUCED.
 1"=4.50'

AS-BUILT UPDATE AS OF 08-28-2002	DATE		
AS-BUILT CONDITION AS OF 10-28-2000	DATE		
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ADD 400-50-24 0A TO 0T	11-15-2000	JANIS
HAWAII INFORMATION TRANSFER SYSTEM BREWERS FROM NAVAL AIR STATION OUTSIDE ADELFI, OAHU, HI SYSTEM			
DATE	BY	DATE	BY
08-25-02	AS	10-28-00	AS
DRAWN BY: JANIS			
CHECKED BY: [Signature]			
DATE: 11-15-2000			
SCALE: 1"=4.50'			
PROJECT: BREWERS FROM NAVAL AIR STATION OUTSIDE ADELFI, OAHU, HI SYSTEM			
DRAWING NO: 410178			

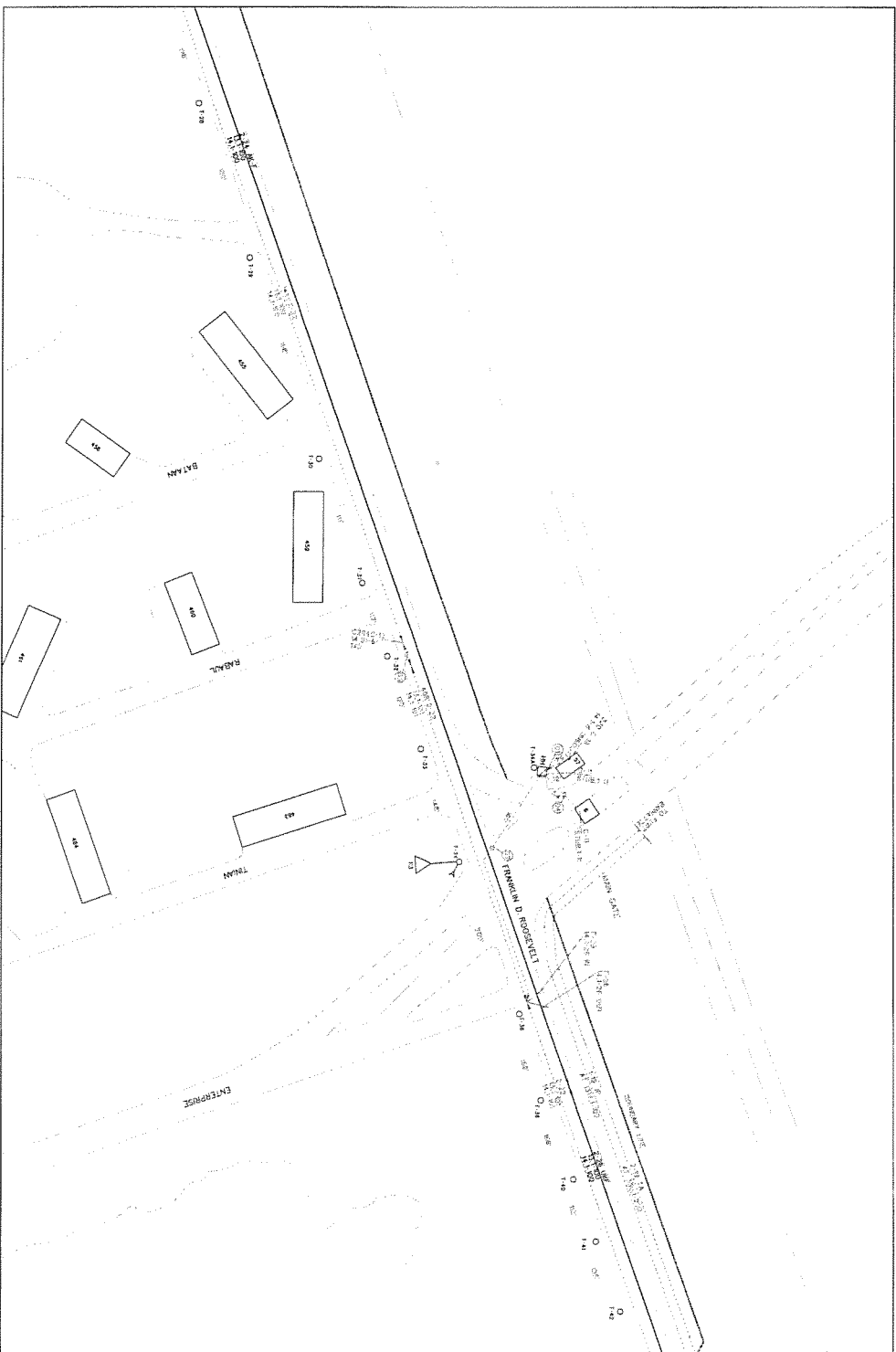
BSP-OSP-FM-47500560



47300000	47300000	47300000	47300000
47300000	47300000	47300000	47300000
47300000	47300000	47300000	47300000

IS SHEET 15 SMALLER THAN 24 X 40 DRAWING IS REQUIRED
 USE GRAPHIC SCALE FOR REPRODUCED DRAWINGS
BSP-DSP-FM-47500570

AS-BUILT URGENT AS OF 08-29-2002	DATE	08/29/2002
AS-BUILT CORRECTION AS OF 09-20-2000	DATE	09/20/2000
DRAWING NO. 11-15-2000		
PROJECT NAME: HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT		
CLIENT: BARBERS POINT NAVAL AIR STATION		
SITE: OUTSIDE PLANT CABLE SYSTEM		
LOCATION: BARBERS POINT NAVAL AIR STATION		
DRAWING NO.: DCPA500-91-0-002		
SCALE: AS NOTED		
SHEET NO. 48 OF 128		



0.75" = 60.00'
 0.75" = 30.00'
 0.75" = 15.00'
 0.75" = 7.50'
 0.75" = 3.75'

50' 0' 50' 100'
 GRAPHIC SCALE: 1" = 50'
 NORTH ARROW: TRUE

47500580	47500580	47500580
47500580	47500580	47500580

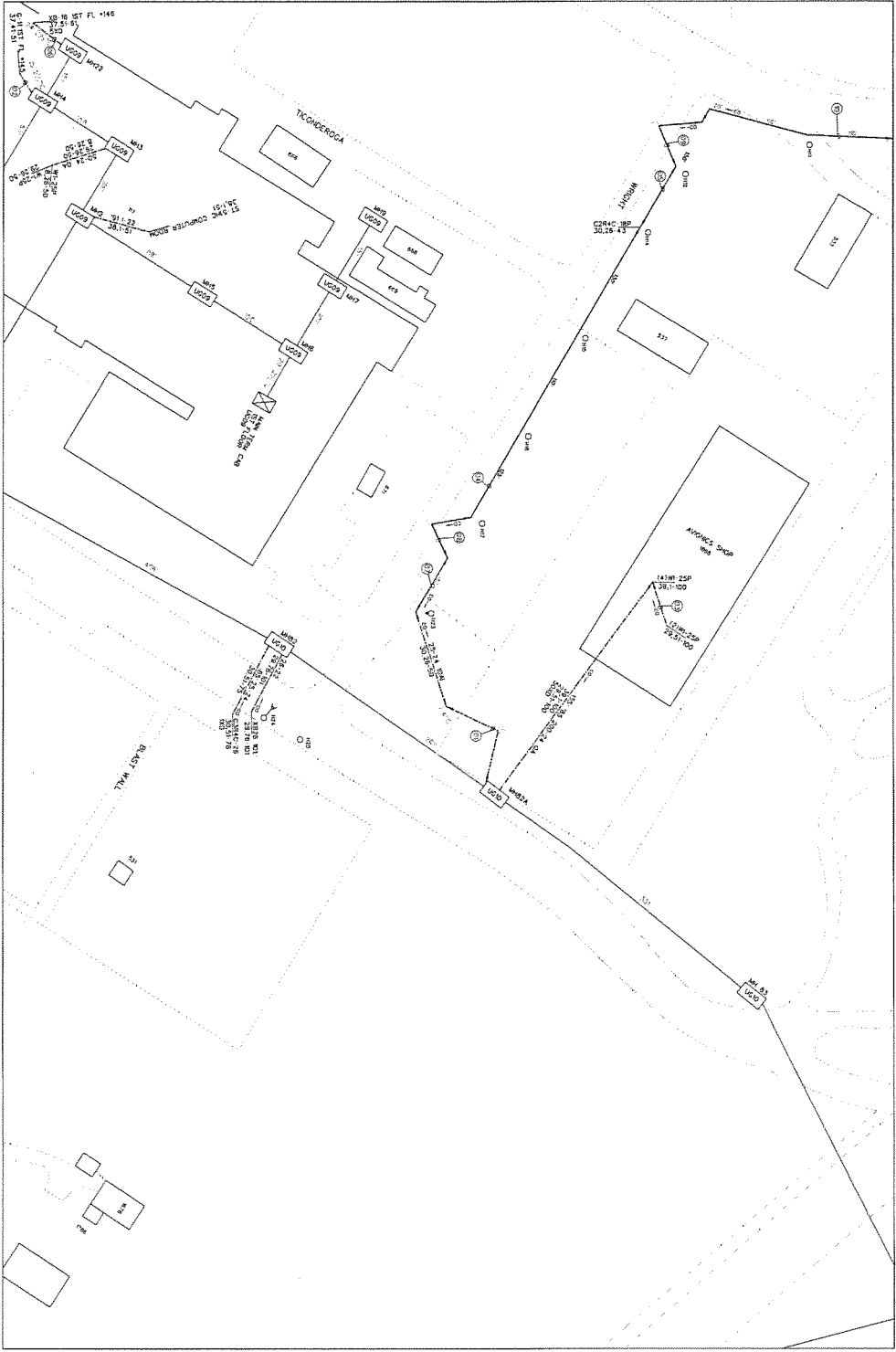
IF PART 1 & 2 ONLY DRAWING IS REFERRED TO.
 SEE SHEET 1 & 2 FOR THE REMAINING SHEETS.
 SCALE FOR REFERRED SHEETS.

NO.	REVISION	DATE	BY	CHK
1	AS BUILT UPDATE AS OF 08-29-2002			
2	AS BUILT CORRECTION AS OF 02-20-2000			
3	REVISION			

MAUI INTEGRATION TRANSFER SYSTEM
 HILLS CONTRACTORS
 OUTSIDE PLANT CABLE SYSTEM
 KAPALEI, MAUI, HAWAII

PROJECT NO.	DC-A300-97-0-002
SCALE	NONE
DATE	NOV 1999
DRAWN BY	CTRU AGED
CHECKED BY	

BSP-OSP-FM-47500580

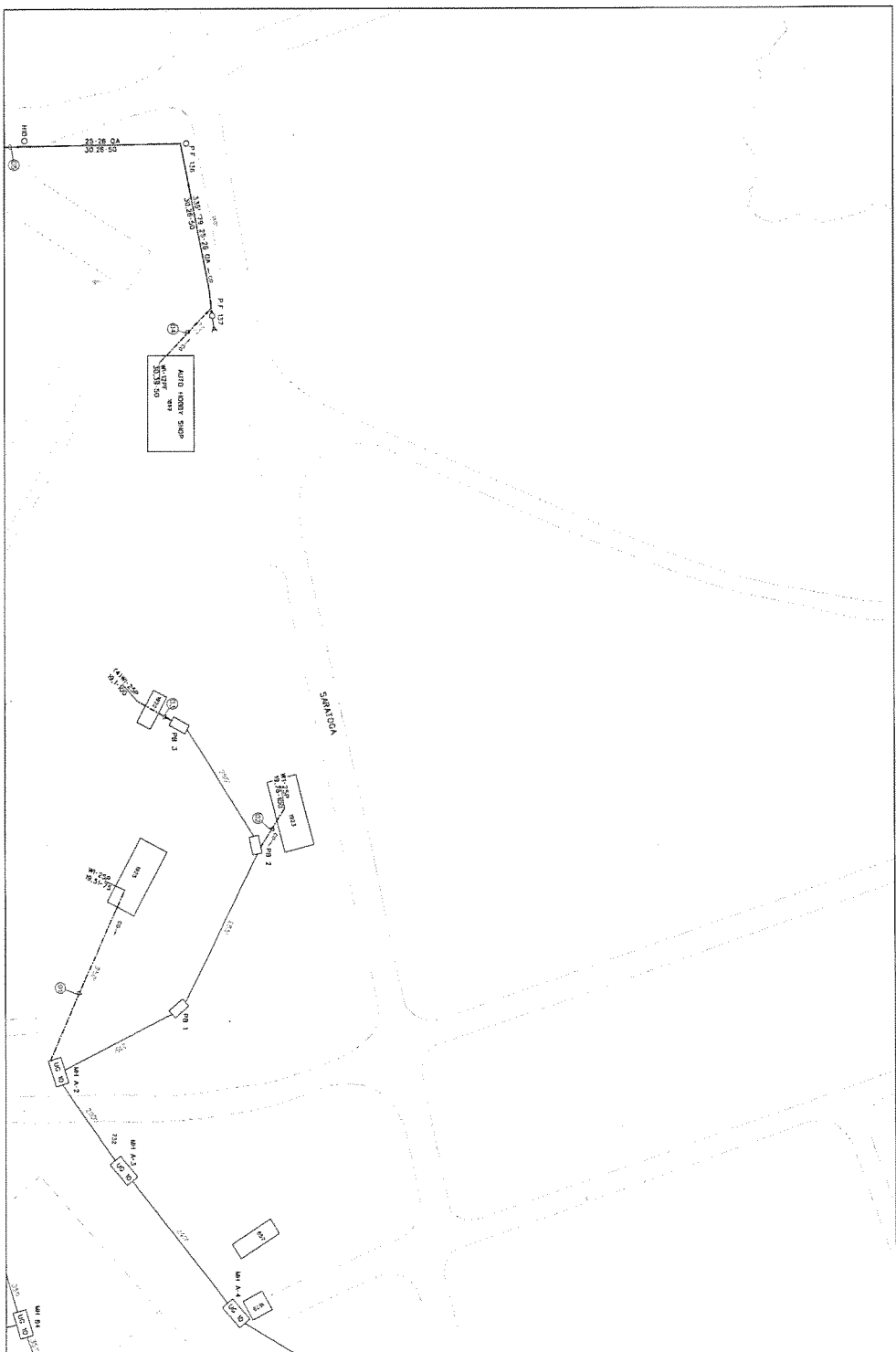


- ① 50'± 20'± 24'± 10M
- ② 50'± 20'± 24'± 10M
- ③ 50'± 20'± 24'± 10M
- ④ 50'± 20'± 24'± 10M
- ⑤ 50'± 20'± 24'± 10M
- ⑥ 50'± 20'± 24'± 10M
- ⑦ 50'± 20'± 24'± 10M
- ⑧ 50'± 20'± 24'± 10M
- ⑨ 50'± 20'± 24'± 10M
- ⑩ 50'± 20'± 24'± 10M
- ⑪ 50'± 20'± 24'± 10M
- ⑫ 50'± 20'± 24'± 10M
- ⑬ 50'± 20'± 24'± 10M
- ⑭ 50'± 20'± 24'± 10M
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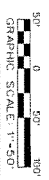


IF SPEC IS UNLITE ENR 28 X 40, DRAWING IS REJECTED.
FOR GRAPHIC SCALE, REFER TO ENR 28 X 40.
BSP-OSP-FM-47650560

NO.	DESCRIPTION	DATE	BY
1	AS-BUILT (UPDATE AS OF 08-28-2002)		
2	AS-BUILT CONDITION AS OF 02-20-2000		
REVISED			
1	AS-BUILT INFORMATION TRANSFER SYSTEM		
2	HAWAII INFORMATION TRANSFER SYSTEM		
3	BARBERS POINT NAVAL AIR STATION		
4	OUTSIDE PLANT CABLE SYSTEM		
5	KAPALEI, OAHU, HAWAII		
PROJECT INFORMATION			
SITE: BARBERS POINT NAVAL AIR STATION, OAHU, HAWAII			
DRAWING NO.: DECA500-91-D-002			
SCALE: AS SHOWN			
DATE: 08-28-2002			
BY: [Signature]			
CHECKED: [Signature]			
APPROVED: [Signature]			
DESIGNED: [Signature]			
DRAWN: [Signature]			
CADD: [Signature]			
PLANT: [Signature]			
ELECTRICAL: [Signature]			
MECHANICAL: [Signature]			
SANITARY: [Signature]			
OTHER: [Signature]			



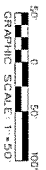
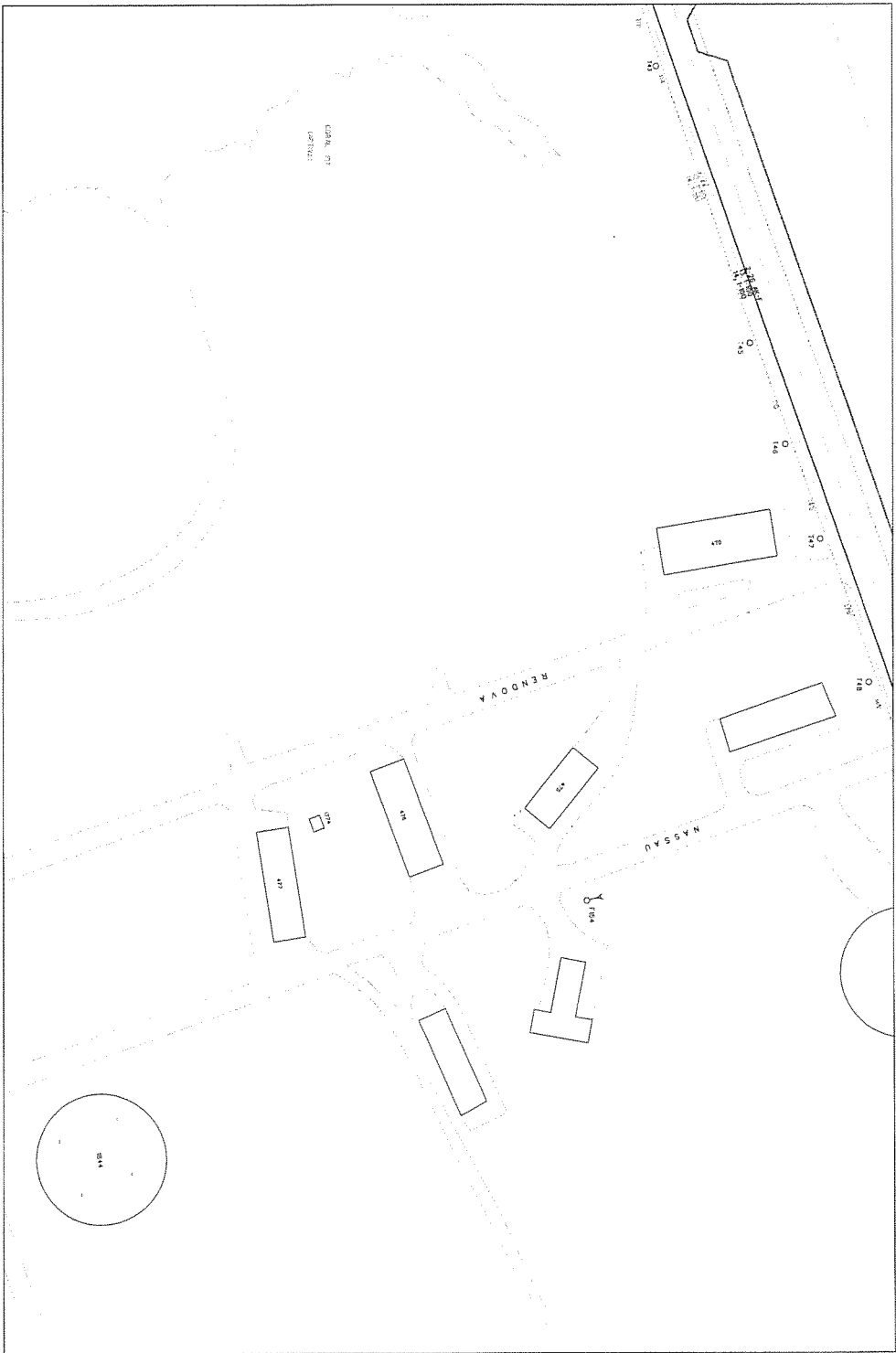
- ① 25' x 30' 20' x 24' GA
- ② 25' x 30' 20' x 24' GA
- ③ 25' x 30' 20' x 24' GA
- ④ 25' x 30' 20' x 24' GA
- ⑤ 25' x 30' 20' x 24' GA
- ⑥ 25' x 30' 20' x 24' GA
- ⑦ 25' x 30' 20' x 24' GA
- ⑧ 25' x 30' 20' x 24' GA
- ⑨ 25' x 30' 20' x 24' GA
- ⑩ 25' x 30' 20' x 24' GA
- ⑪ 25' x 30' 20' x 24' GA
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- ⑬ 25' x 30' 20' x 24' GA
- ⑭ 25' x 30' 20' x 24' GA
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- ㊿ 25' x 30' 20' x 24' GA



VERTICAL AXIS		HORIZONTAL AXIS	
4750000	4750000	4750000	4750000
4750000	4750000	4750000	4750000
4750000	4750000	4750000	4750000
4750000	4750000	4750000	4750000

IF SHEET IS SMALLER THAN 28 X 40, DIMENSION IS REDUCED.
 BSP-OSP-FM-47650570

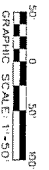
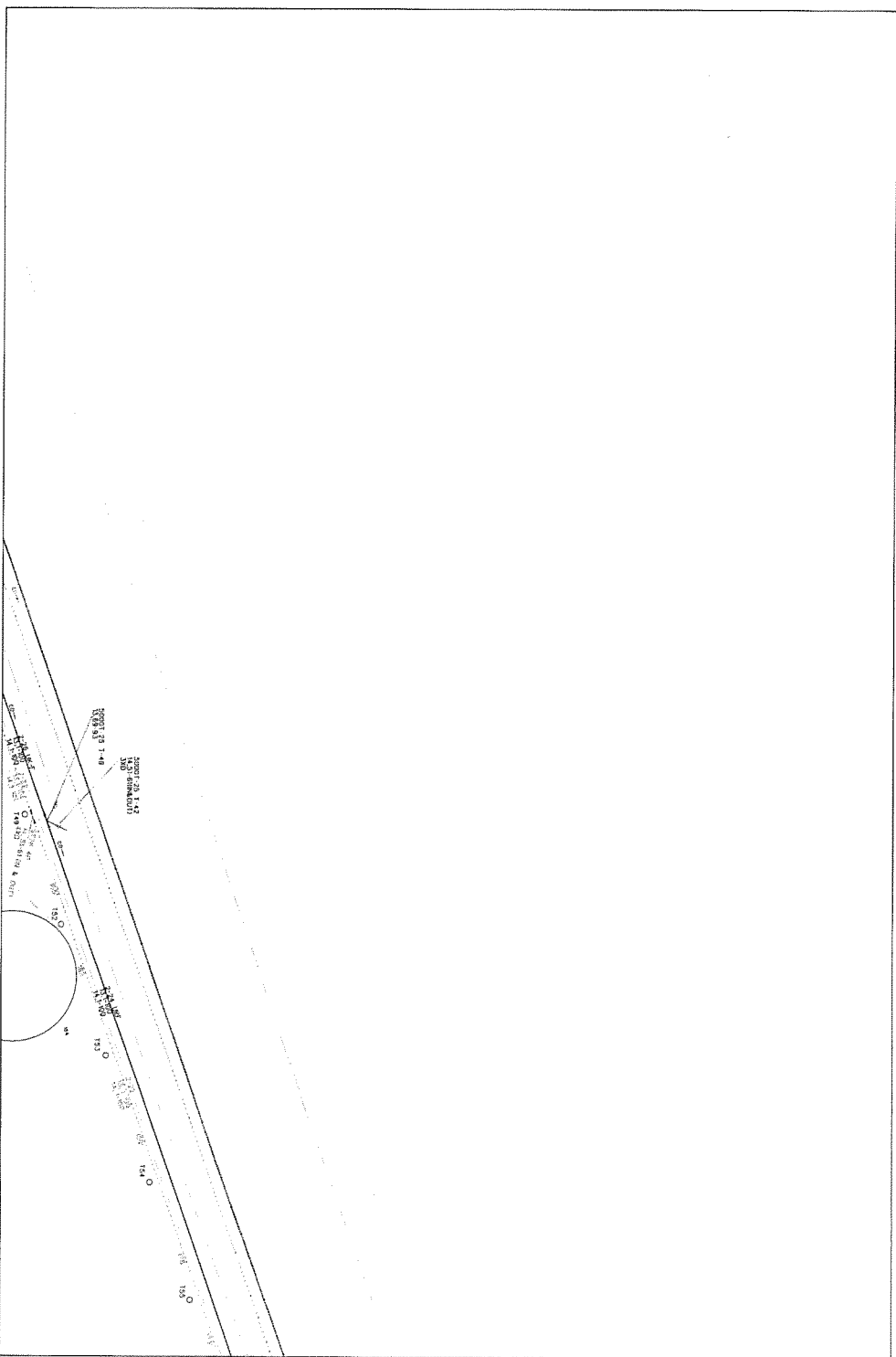
NO.	REVISION	DATE	BY	CHKD.
1	AS-BUILT DRAWING AS OF 08-29-2002			
2	AS-BUILT DRAWING AS OF 08-29-2002			
3	AS-BUILT DRAWING AS OF 08-29-2002			
4	AS-BUILT DRAWING AS OF 08-29-2002			
5	AS-BUILT DRAWING AS OF 08-29-2002			
6	AS-BUILT DRAWING AS OF 08-29-2002			
7	AS-BUILT DRAWING AS OF 08-29-2002			
8	AS-BUILT DRAWING AS OF 08-29-2002			
9	AS-BUILT DRAWING AS OF 08-29-2002			
10	AS-BUILT DRAWING AS OF 08-29-2002			
11	AS-BUILT DRAWING AS OF 08-29-2002			
12	AS-BUILT DRAWING AS OF 08-29-2002			
13	AS-BUILT DRAWING AS OF 08-29-2002			
14	AS-BUILT DRAWING AS OF 08-29-2002			
15	AS-BUILT DRAWING AS OF 08-29-2002			
16	AS-BUILT DRAWING AS OF 08-29-2002			
17	AS-BUILT DRAWING AS OF 08-29-2002			
18	AS-BUILT DRAWING AS OF 08-29-2002			
19	AS-BUILT DRAWING AS OF 08-29-2002			
20	AS-BUILT DRAWING AS OF 08-29-2002			
21	AS-BUILT DRAWING AS OF 08-29-2002			
22	AS-BUILT DRAWING AS OF 08-29-2002			
23	AS-BUILT DRAWING AS OF 08-29-2002			
24	AS-BUILT DRAWING AS OF 08-29-2002			
25	AS-BUILT DRAWING AS OF 08-29-2002			
26	AS-BUILT DRAWING AS OF 08-29-2002			
27	AS-BUILT DRAWING AS OF 08-29-2002			
28	AS-BUILT DRAWING AS OF 08-29-2002			
29	AS-BUILT DRAWING AS OF 08-29-2002			
30	AS-BUILT DRAWING AS OF 08-29-2002			
31	AS-BUILT DRAWING AS OF 08-29-2002			
32	AS-BUILT DRAWING AS OF 08-29-2002			
33	AS-BUILT DRAWING AS OF 08-29-2002			
34	AS-BUILT DRAWING AS OF 08-29-2002			
35	AS-BUILT DRAWING AS OF 08-29-2002			
36	AS-BUILT DRAWING AS OF 08-29-2002			
37	AS-BUILT DRAWING AS OF 08-29-2002			
38	AS-BUILT DRAWING AS OF 08-29-2002			
39	AS-BUILT DRAWING AS OF 08-29-2002			
40	AS-BUILT DRAWING AS OF 08-29-2002			
41	AS-BUILT DRAWING AS OF 08-29-2002			
42	AS-BUILT DRAWING AS OF 08-29-2002			
43	AS-BUILT DRAWING AS OF 08-29-2002			
44	AS-BUILT DRAWING AS OF 08-29-2002			
45	AS-BUILT DRAWING AS OF 08-29-2002			
46	AS-BUILT DRAWING AS OF 08-29-2002			
47	AS-BUILT DRAWING AS OF 08-29-2002			
48	AS-BUILT DRAWING AS OF 08-29-2002			
49	AS-BUILT DRAWING AS OF 08-29-2002			
50	AS-BUILT DRAWING AS OF 08-29-2002			



47600000	47600000	47600000	47600000
47600000	47600000	47600000	47600000

IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REVERSED.
 THIS SHEET IS SMALLER THAN 28 X 40, DRAWING IS REVERSED.
 BSP-OSP-FM-47650580

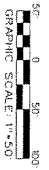
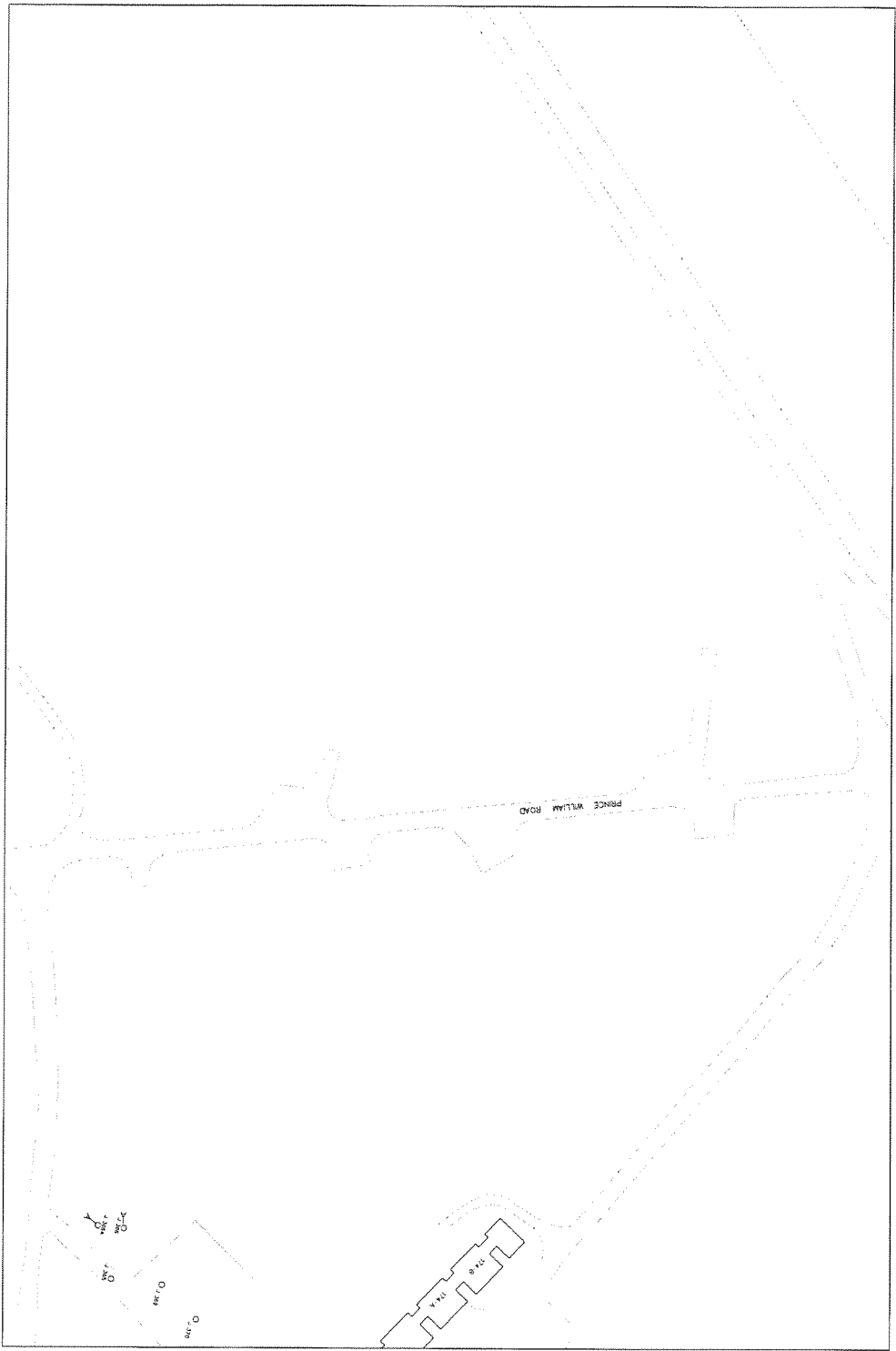
AS-BUILT UPDATE AS OF 08-28-2007	AS-BUILT CONSTRUCTION AS OF 02-28-2000
DATE: 08-28-2007	DATE: 02-28-2000
PROJECT: HAWAII INFIRMATION TRANSFER SYSTEM (HITS) CONTRACT	PROJECT: HAWAII INFIRMATION TRANSFER SYSTEM (HITS) CONTRACT
CONTRACT NO: 004300-37-0-002	CONTRACT NO: 004300-37-0-002
CONTRACT DATE: 11-15-2000	CONTRACT DATE: 11-15-2000
CONTRACT DESCRIPTION: OUTSIDE LAMP CABLE SYSTEM	CONTRACT DESCRIPTION: OUTSIDE LAMP CABLE SYSTEM
CONTRACT NUMBER: 531728	CONTRACT NUMBER: 531728



IF DATA IS SUPPLIED, PRINTING IS REQUIRED.
 USE GRAPHIC SCALE FOR DIMENSIONS.

47500300 47500300 47500300 47500300 47500300
BSP-OSP-FM-47650590

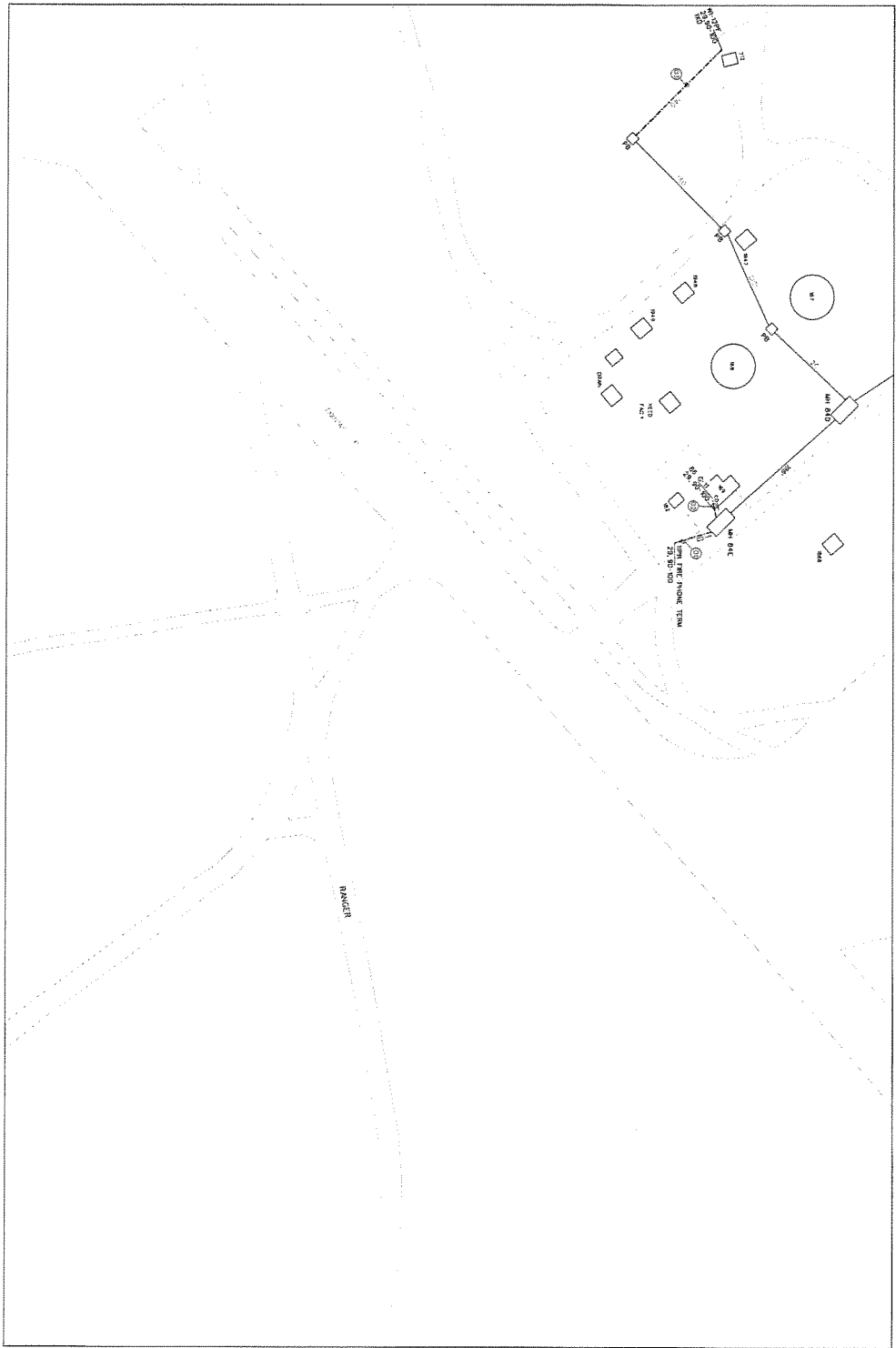
DATE	DESCRIPTION	BY	APPROVED
15-02-2000	AS-BUILT UPDATE AS OF 08-29-2002		
15-02-2000	AS-BUILT CORRECTION AS OF 08-20-2000		
<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HAWAII INFRASTRUCTURE TRANSPORT SYSTEM ROUTING POINT AND LANE STATION OUTSIDE PLANT CABLE SYSTEM APRIL, 08-01, HAWAII</p>			
<p>PROJECT: OUTSIDE PLANT FACILITY MAP DRAWING NO.: DCA350-97-0-002 SHEET NO.: 54 OF 128</p>			



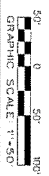
47800530	47800530	47800530	47800530
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H. SHELL IS SMALLER THAN 20 X 40 DRAWING IS REDUCED
 SEE GRAPHIC SCALE FOR REDUCED DRAWING
BSP-OSP-FM-47800530

AS-BUILT UPDATE AS OF 08-29-2007 AS-BUILT CONDITION AS OF 09-20-2009		DATE	BY
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM (ARCH. ENG. HAWAII)		DATE	BY
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM (ARCH. ENG. HAWAII)		DATE	BY
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM (ARCH. ENG. HAWAII)		DATE	BY



11:22
 29:50
 1:27
 29:14
 29:50

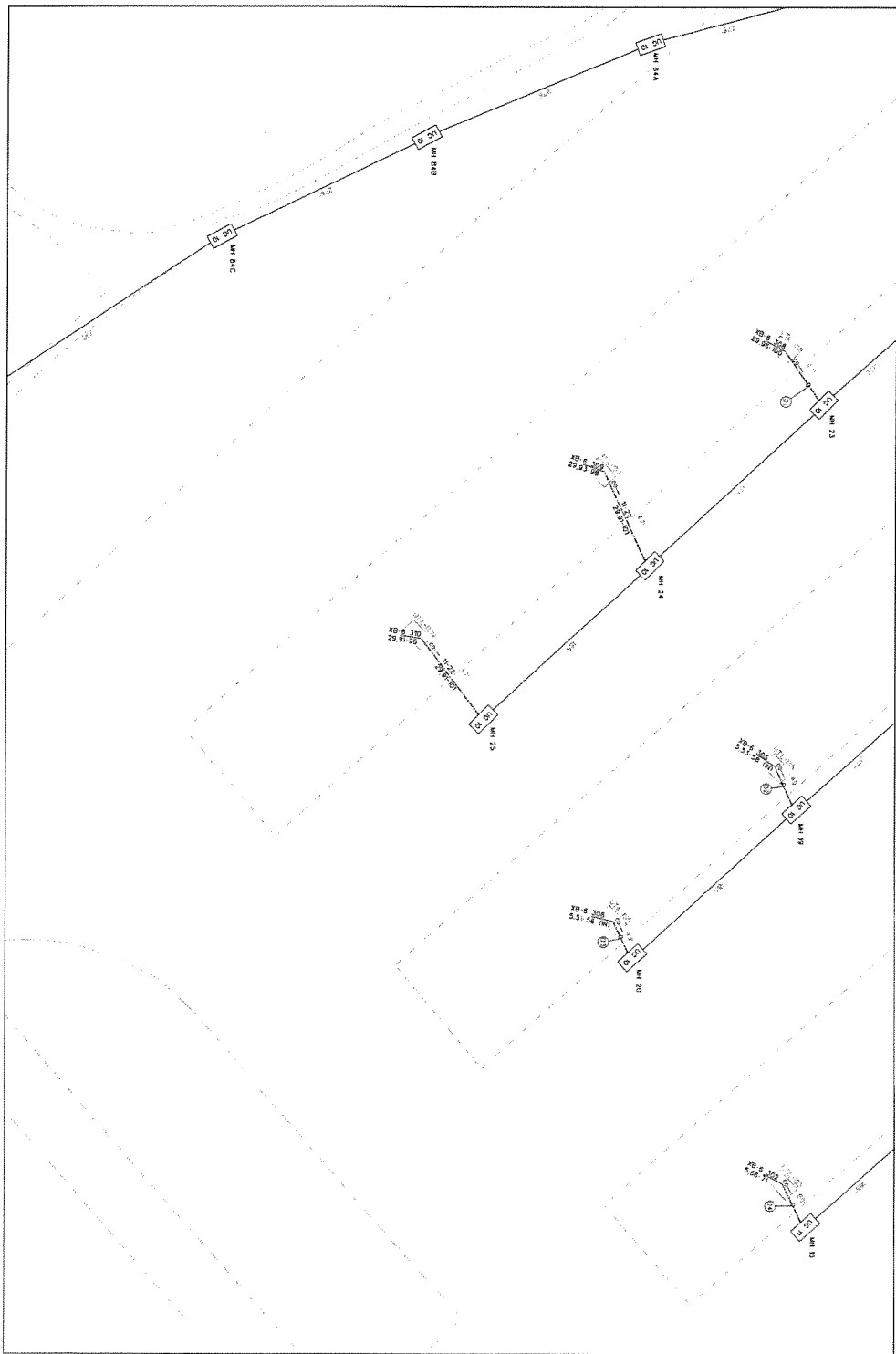


47800550	47800550	47800550
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IF SHEET IS SMALLER THAN 24 X 40, DRAWING IS REDUCED.
 USE GRAPHIC SCALE FOR REDUCED DRAWING.
BSP-OSP-FM-47800550

DATE	BY	DESCRIPTION
11-15-2000	ALAN HITS	AS-BUILD UPDATE AS OF 08-28-2002
11-15-2000	ALAN HITS	AS-BUILD CORRECTION AS OF 08-20-2000

PROJECT	HAWAI'I INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
CLIENT	BURGESS SEINE NAVAL AIR STATION
LOCATION	OUTSIDE PLANT CABLE SYSTEM
PROJECT NUMBER	HA001-0001-0001
PROJECT NAME	OUTSIDE PLANT FACILITY MAP
PROJECT NUMBER	HA001-0001-0001
PROJECT NAME	OUTSIDE PLANT FACILITY MAP



- ① 31.22' 00"
- ② 31.22' 00"
- ③ 31.22' 00"
- ④ 31.22' 00"



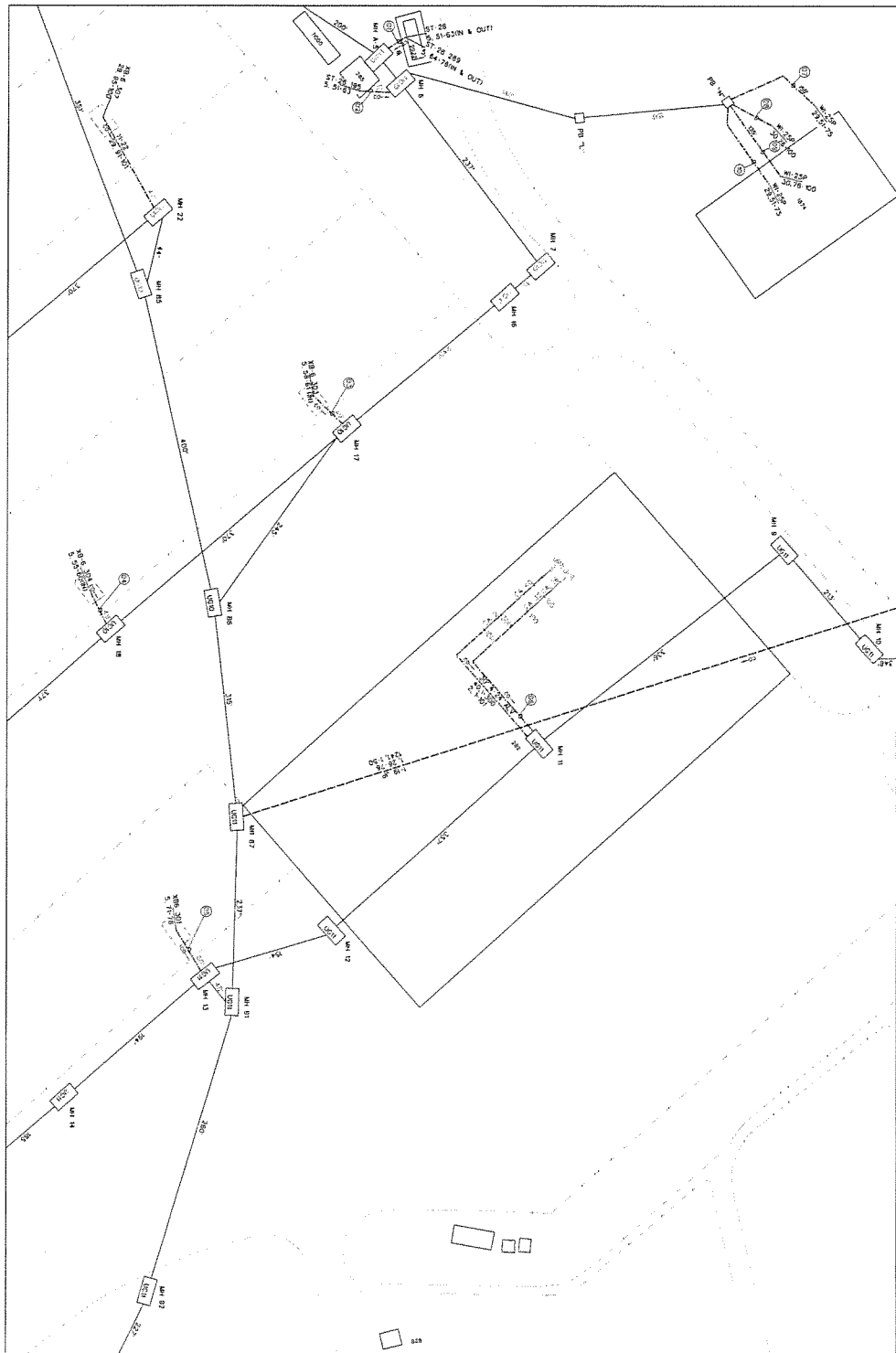
47800560	47800560	47800560	47800560	47800560
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IF SHEET IS SMALLER THAN 24" x 40", DRAWING IS REDUCED.
 GRAPHIC SCALE FOR REDUCED DRAWING.

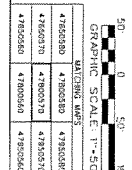
DATE	BY	DESCRIPTION
02-15-2000	...	...
02-15-2000	...	...

TITLE: HAWAII INFORMATION TRANSFER SYSTEM
 PROJECT: ROBERTS POINT NAVAL AIR STATION
 DRAWING: OUTSIDE PLANT CABLE SYSTEM
 SHEET: 57 OF 128

DRAWING NO.: 02-15-2000-57-0-002
 CONTRACT NO.: 47800560



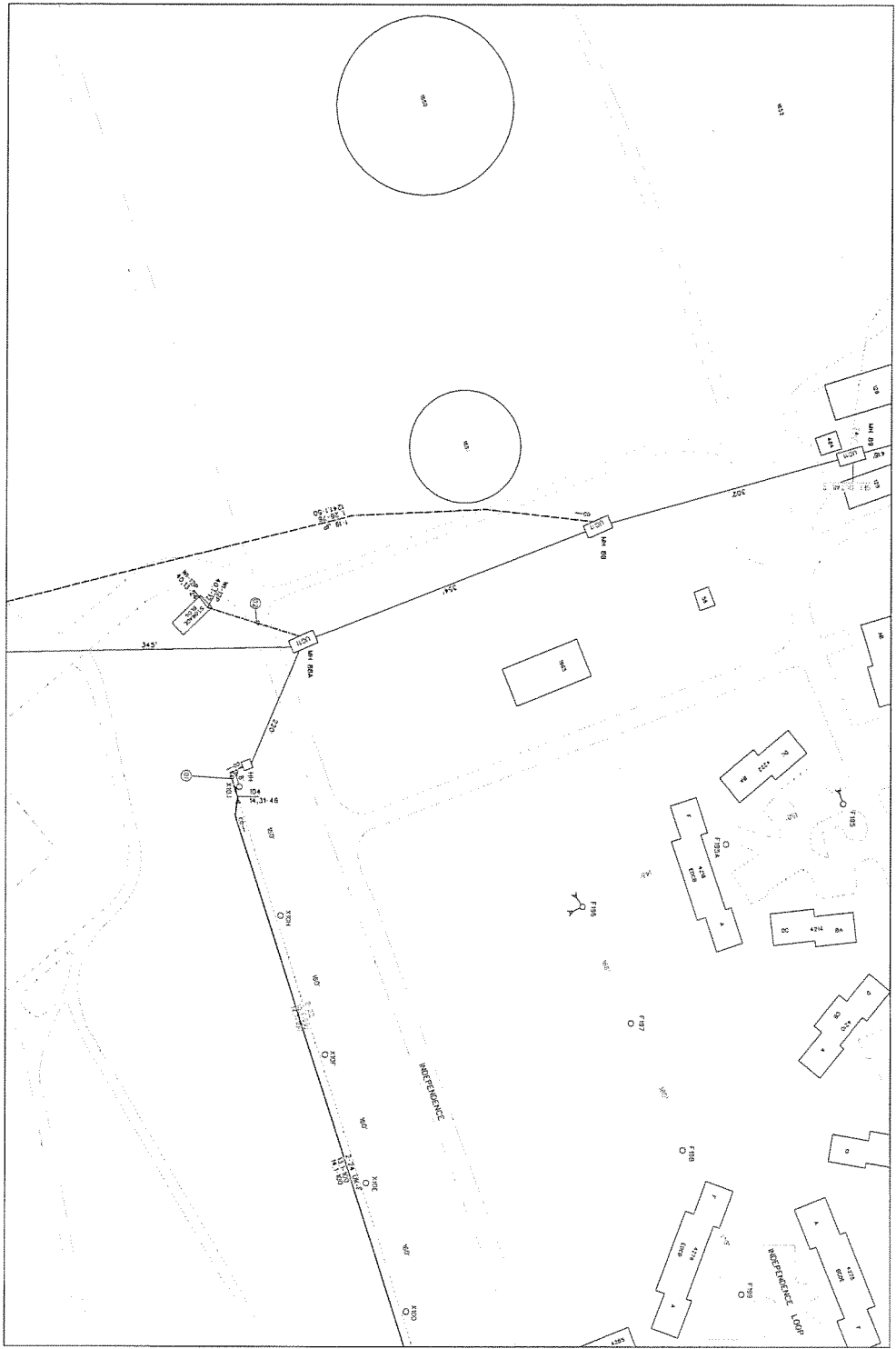
- ① 217' 00"
- ② 217' 00"
- ③ 217' 00"
- ④ 217' 00"
- ⑤ 217' 00"
- ⑥ 217' 00"
- ⑦ 217' 00"
- ⑧ 217' 00"
- ⑨ 217' 00"
- ⑩ 217' 00"
- ⑪ 217' 00"
- ⑫ 217' 00"
- ⑬ 217' 00"
- ⑭ 217' 00"
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- ⑯ 217' 00"
- ⑰ 217' 00"
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- ㊾ 217' 00"
- ㊿ 217' 00"



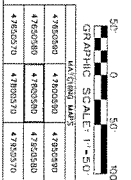
IF SHEET IS QUARANTINED FOR A REASON, THIS SHEET IS NOT TO BE USED FOR CONSTRUCTION. A REVISION IS REQUIRED.

BSP-OSP-FM-47800570

PROJECT NO.	47800570	DATE	08-28-2002
PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT LOCATION	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT DESCRIPTION	OUTSIDE PLANT FACILITY MAP	DATE	08-28-2002
PROJECT STATUS	OUTSIDE PLANT FACILITY MAP	DATE	08-28-2002
PROJECT OWNER	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT CONTRACTOR	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT ARCHITECT	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT ENGINEER	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SURVEYOR	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT INSPECTOR	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT REVIEWER	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT APPROVER	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SIGNATURE	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SEAL	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT NOTES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT REVISIONS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT COMMENTS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT HISTORY	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT RECORDS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT ARCHIVES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT BACKUP	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT RESTORE	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT DELETE	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT MOVE	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT COPY	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT PASTE	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT CUT	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT UNDO	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT REDO	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT PRINT	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SAVE	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT OPEN	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT CLOSE	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT EXIT	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT HELP	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT ABOUT	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SETTINGS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT OPTIONS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT TOOLS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT VIEWS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT LAYERS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT STYLES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT PROPERTIES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT COMMANDS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SHORTCUTS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT TEMPLATES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SETTINGS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT OPTIONS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT TOOLS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT VIEWS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT LAYERS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT STYLES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT PROPERTIES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT COMMANDS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT SHORTCUTS	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002
PROJECT TEMPLATES	HAWAII INFORMATION TRANSFER SYSTEM	DATE	08-28-2002



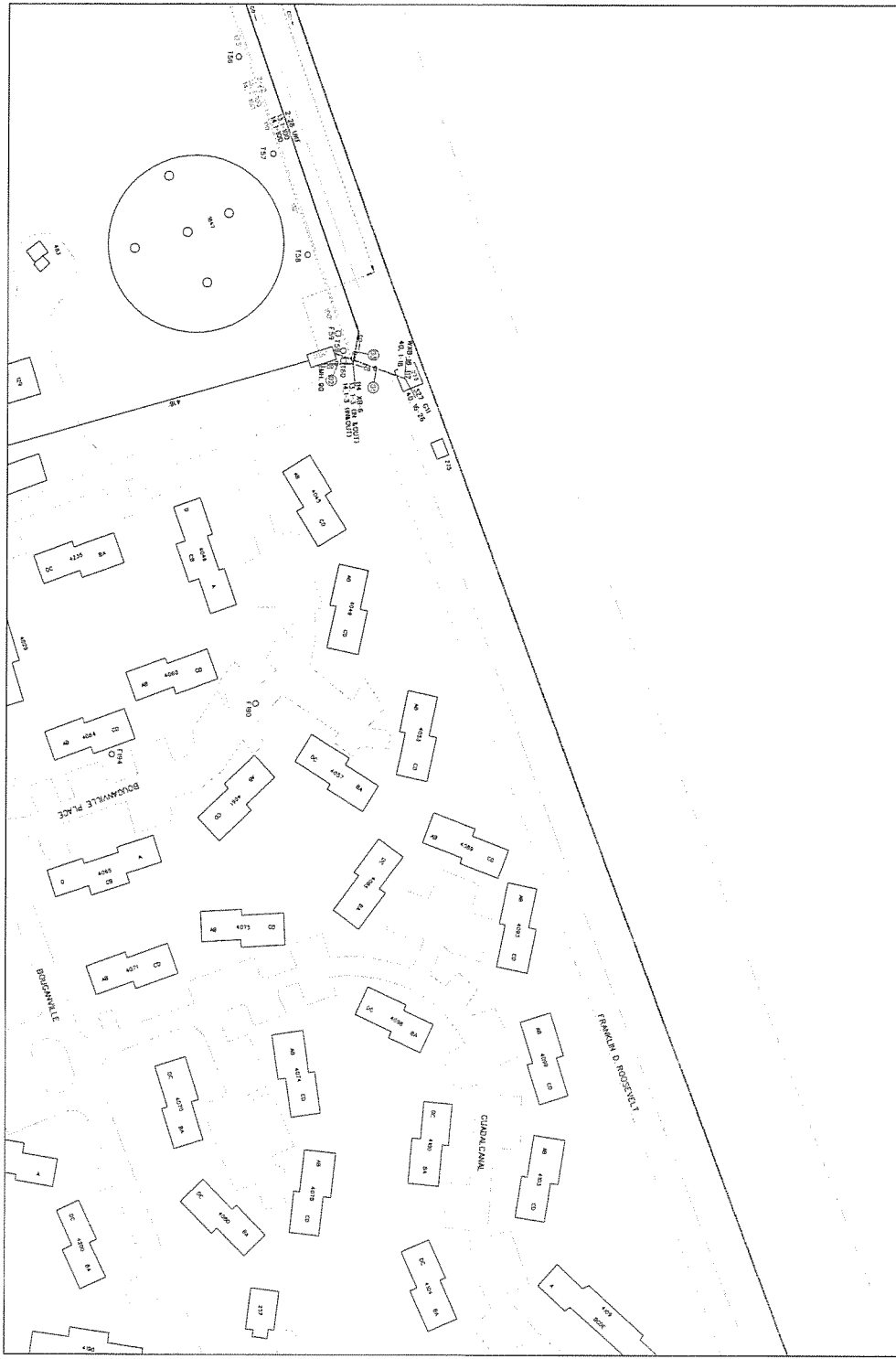
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 ③ 1:2000
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 ⑩ 1:256000
 ⑪ 1:512000
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 ⑮ 1:8192000
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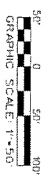
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AS-BUILT UPDATE AS OF 08-28-2002	AS-BUILT CORRECTION AS OF 08-20-2000
ALLIANCE 3175 AVONDALE AVENUE SUITE 1115 MIAMI, FL 33155 PHONE: 305-411-1520 FAX: 305-411-1520	
HAMILL INFORMATION TRANSFER SYSTEM BARBER POINT WIND TURBINE OUTSIDE PLANT CABLING SYSTEM KAPOHELE, HAWAII, HAWAII	
DATE: 08/28/02	DATE: 08/20/00
BY: [Signature]	BY: [Signature]
SCALE: 1"=50'	SCALE: 1"=50'
PROJECT: [Project Name]	PROJECT: [Project Name]
CLIENT: [Client Name]	CLIENT: [Client Name]
REVISION: [Revision]	REVISION: [Revision]
DATE: 08/28/02	DATE: 08/20/00
BY: [Signature]	BY: [Signature]
SCALE: 1"=50'	SCALE: 1"=50'
PROJECT: [Project Name]	PROJECT: [Project Name]
CLIENT: [Client Name]	CLIENT: [Client Name]
REVISION: [Revision]	REVISION: [Revision]

BSP-OSP-FM-47800580
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 1:1000
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 1:2048000
 1:4096000
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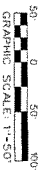
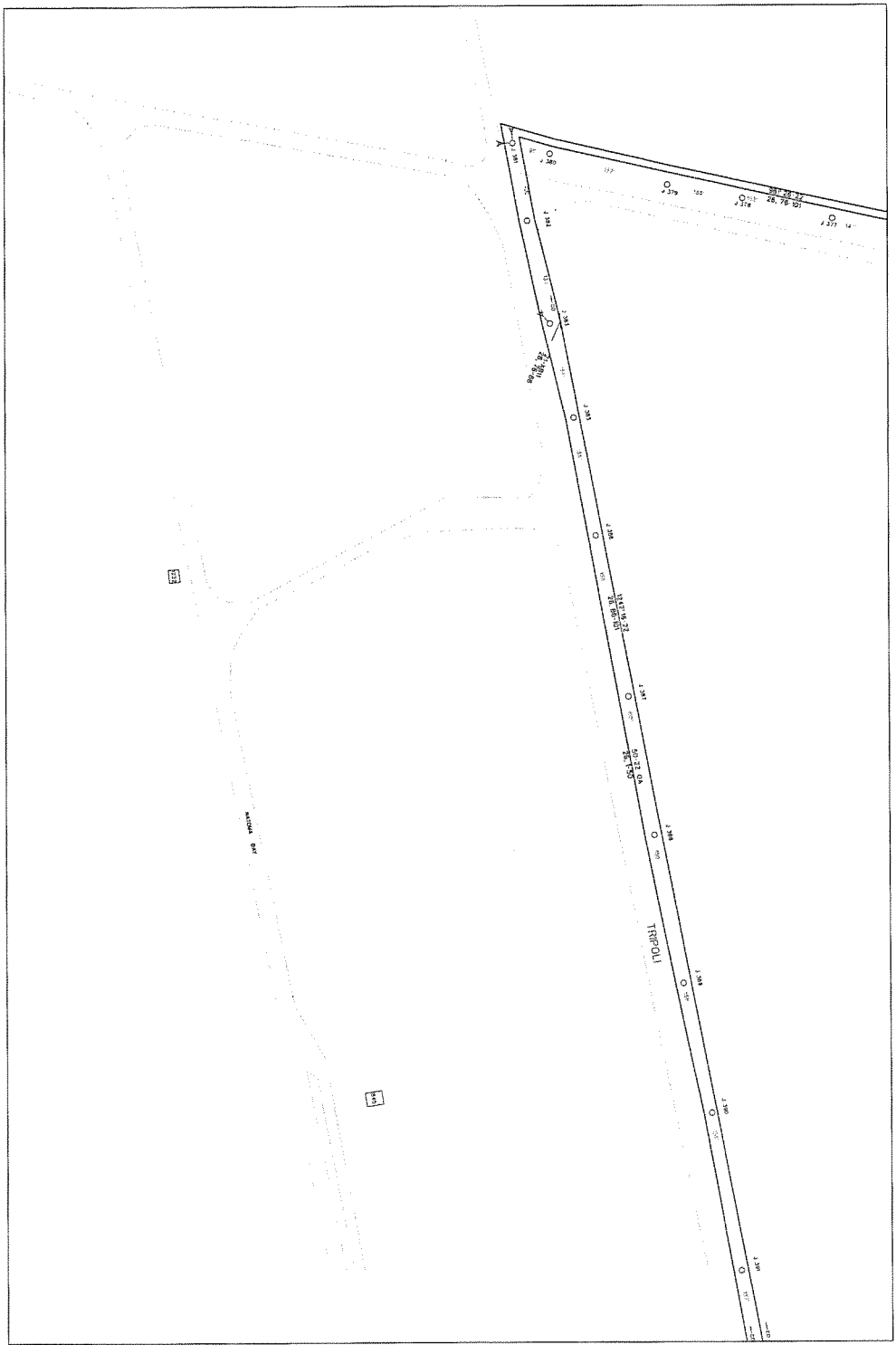
2.24 1:50
 2.22 1:50
 2.21 1:50
 2.20 1:50
 2.19 1:50
 2.18 1:50



47965558	47965559	47965560	47965561	47965562	47965563
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IF SHEET IS SMALLER THAN 24 X 36, READING IS REDUCED
BSP-OSP-FM-47800590

DATE	2/24/2007	BY	...
DESCRIPTION	AS-BUILT DRAWING OF THE 2007 AIR STATION		
PROJECT	HAWAII INFORMATION TRANSFER SYSTEM		
CLIENT	HAWAII INFORMATION TRANSFER SYSTEM		
DATE	2/24/2007	BY	...
DESCRIPTION	AS-BUILT DRAWING OF THE 2007 AIR STATION		
PROJECT	HAWAII INFORMATION TRANSFER SYSTEM		
CLIENT	HAWAII INFORMATION TRANSFER SYSTEM		



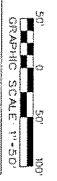
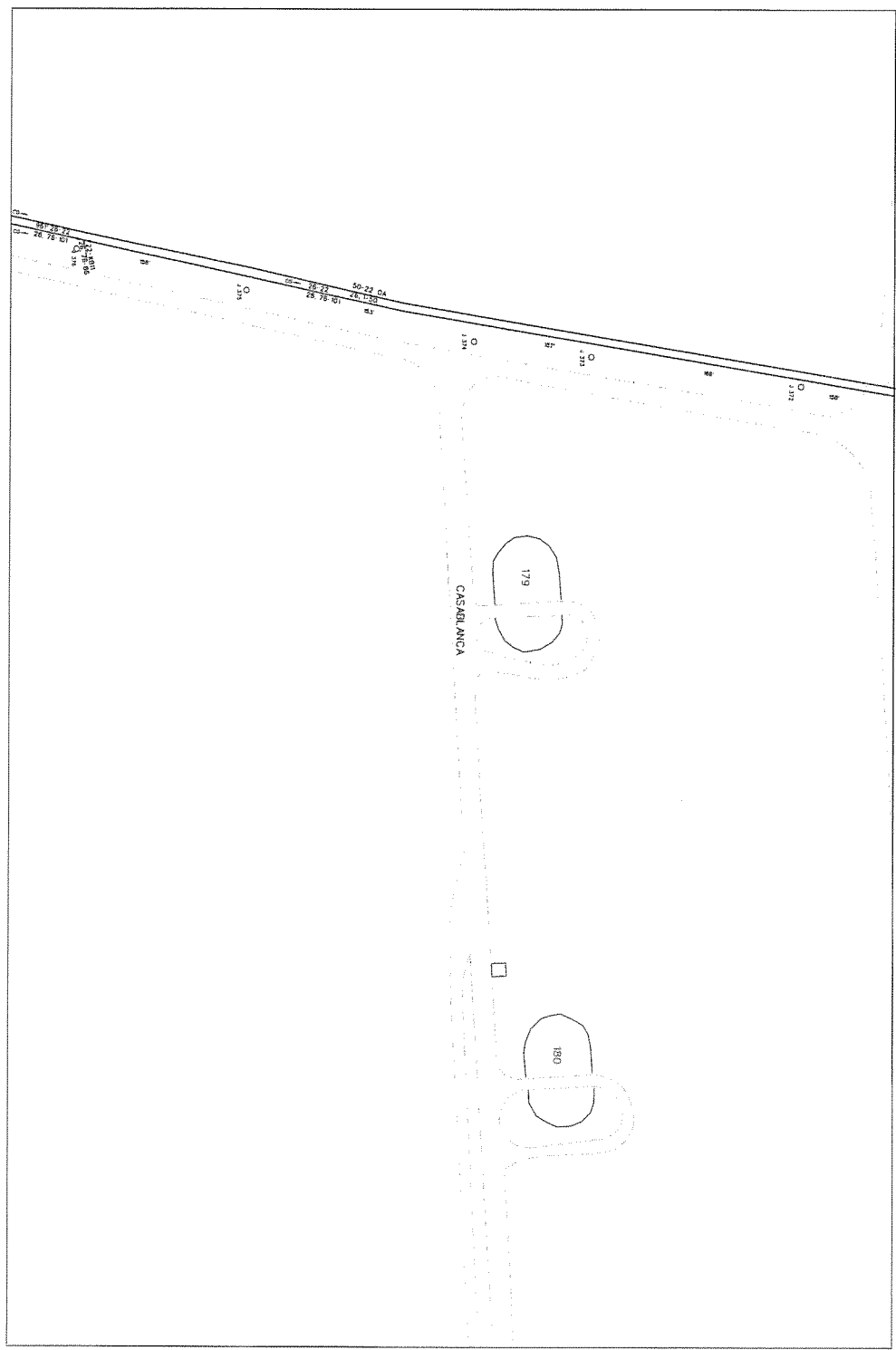
47950510	47950510	47950510
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IF SHEET IS SMALLER THAN 24 X 48, GRAPHING IS REQUIRED.

BSP-OSP-FM-47950510

DATE	BY	REVISION
08-29-2002		AS BUILT UPDATE AS OF 08-29-2002
08-29-2002		AS BUILT CORRECTION AS OF 08-29-2002
REVISIONS		
DATE	BY	REVISION
11-15-2000		HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
		BARBER POINT NAVAL AIR STATION
		OUTSIDE PLANT CABLE SYSTEM
		KAPOLEI, OAHU, HAWAII
		MAPLE FACILITY MAP

PROJECT NO.	02A300-97-0-002
DATE	11-15-2000
BY	CONTR. NO. 02A300-97-0-002
SCALE	AS NOTED
DATE	11-15-2000
BY	CONTR. NO. 02A300-97-0-002
SCALE	AS NOTED
DATE	11-15-2000
BY	CONTR. NO. 02A300-97-0-002
SCALE	AS NOTED

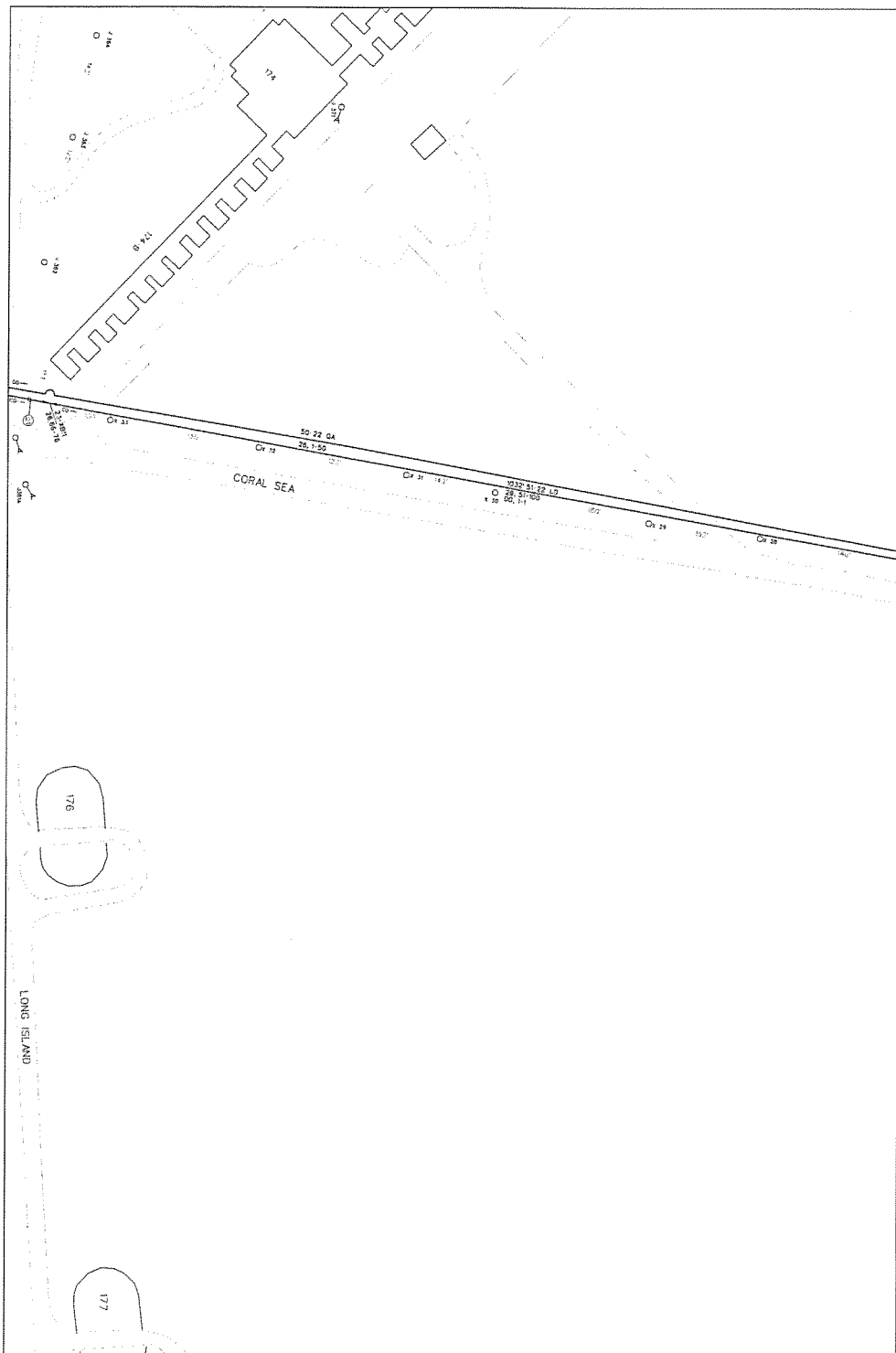


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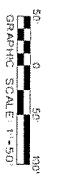
BSP-OSP-FM-47950520

DATE: 09/28/2002
 TIME: 11:50

PROJECT	HAWAII INFORMATION TRANSMISSION SYSTEM
CLIENT	HAWAIIAN TELEPHONE COMPANY
LOCATION	OUTSIDE PLANT FACILITY MAP
DATE	09/28/2002
BY	...
CHECKED	...
APPROVED	...



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GRAPHIC SCALE 1" = 50'

47950530	47950530	47950530
47950530	47950530	47950530

BSP-OSP-FM-47950530

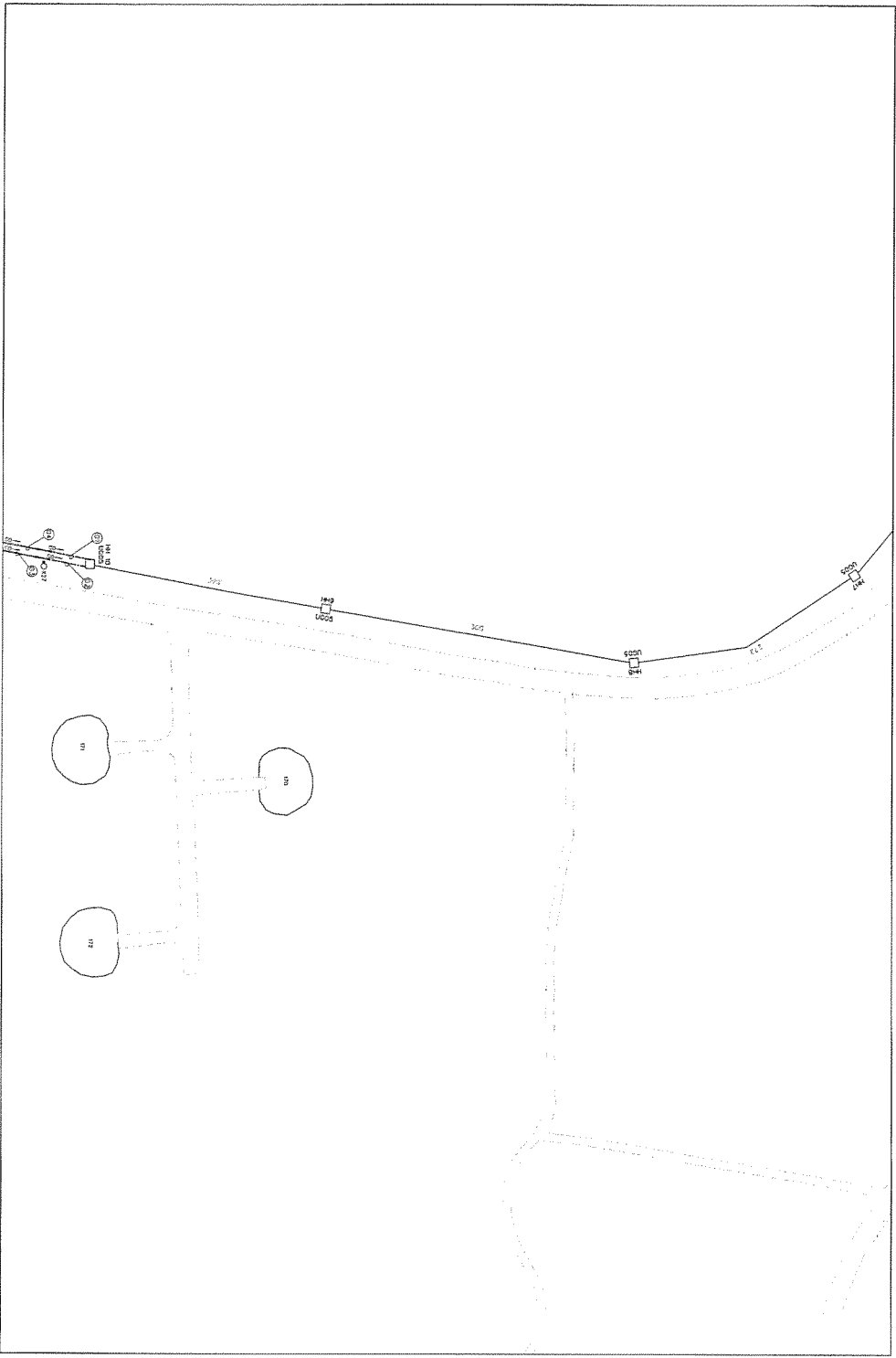
IF SHEET IS SMALLER THAN 28 1/2" DIA. DRAWING IS REDUCED.

DATE	DESCRIPTION	BY	CHECKED
11-15-2000	DESIGNER		
11-15-2000	DRAWN		
11-15-2000	CHECKED		
11-15-2000	APPROVED		

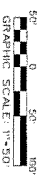
REVISIONS

NO.	DATE	DESCRIPTION
1		HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
2		BURGERS POINT NAVAL AIR STATION
3		OUTSIDE PLANT CABLE SYSTEM
4		OUTSIDE PLANT FACILITY MAP

DATE: 11-15-2000
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]



- ① 2015.02.10
- ② 2015.02.10
- ③ 2015.02.10
- ④ 2015.02.10
- ⑤ 2015.02.10

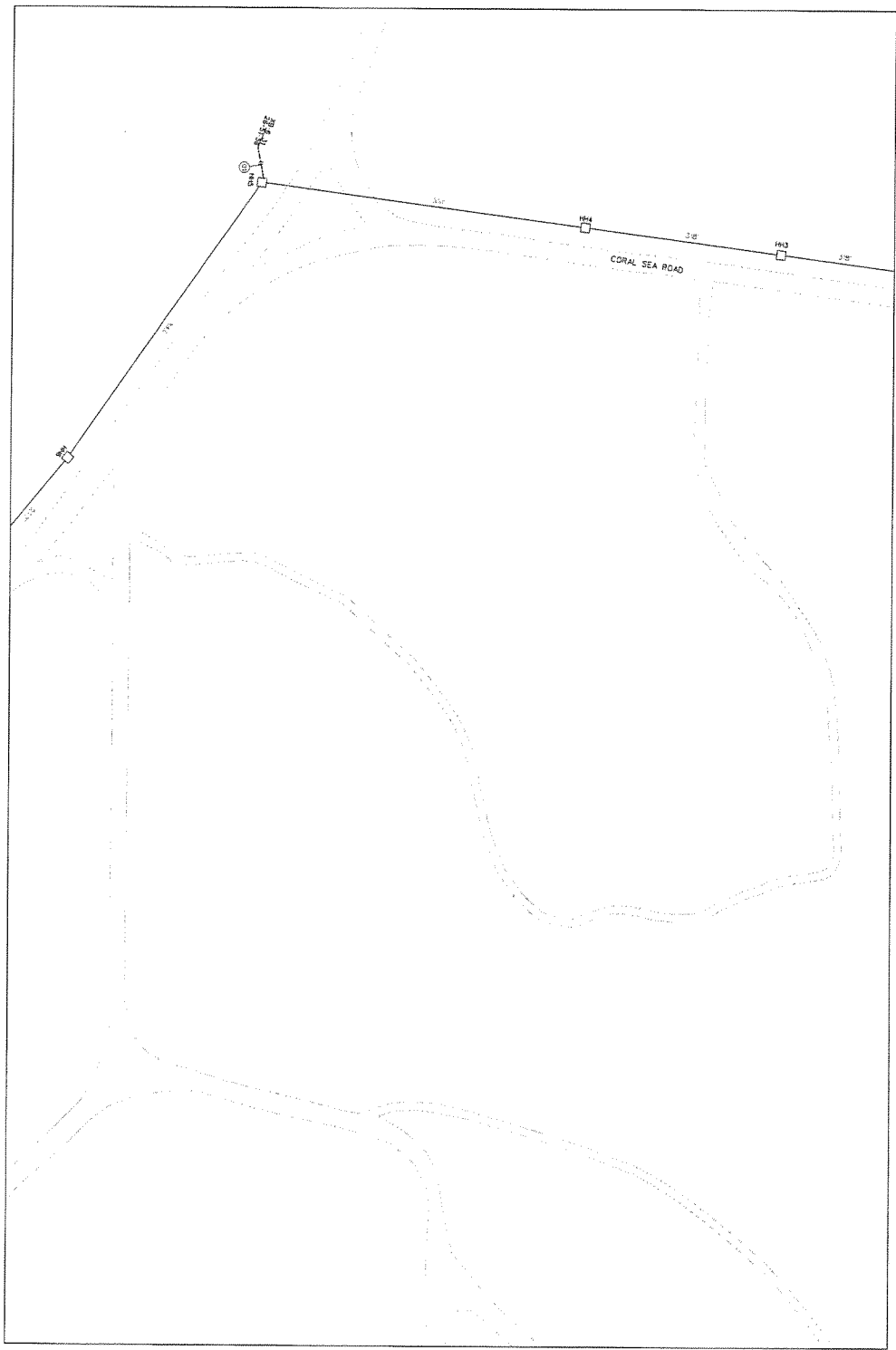


47950530	47950540	47950550
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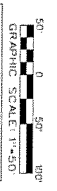
IF SHEET IS PART OF DRAWING, NO. 49, DRAWING IS REQUIRED.

BSP-OSP-FM-47950540

NO.	DATE	DESCRIPTION	BY	CHKD
AS-TRN-1	08-29-2002	UPGRADE AS OF		
AS-TRN-1	08-29-2002	CONSTRUCTION AS OF		
REVISIONS				
REV	DATE	DESCRIPTION	BY	CHKD
1	11-15-2000	ISSUE FOR CONSTRUCTION		
PROJECT: HAWAII AIR STATION CONTRACT: ROBERTS ENGINEERING CONTRACT DRAWING: OUTSIDE PLANT CAD/E SYSTEM SHEET: 47950540				
DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: 08-29-2002				



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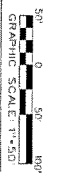
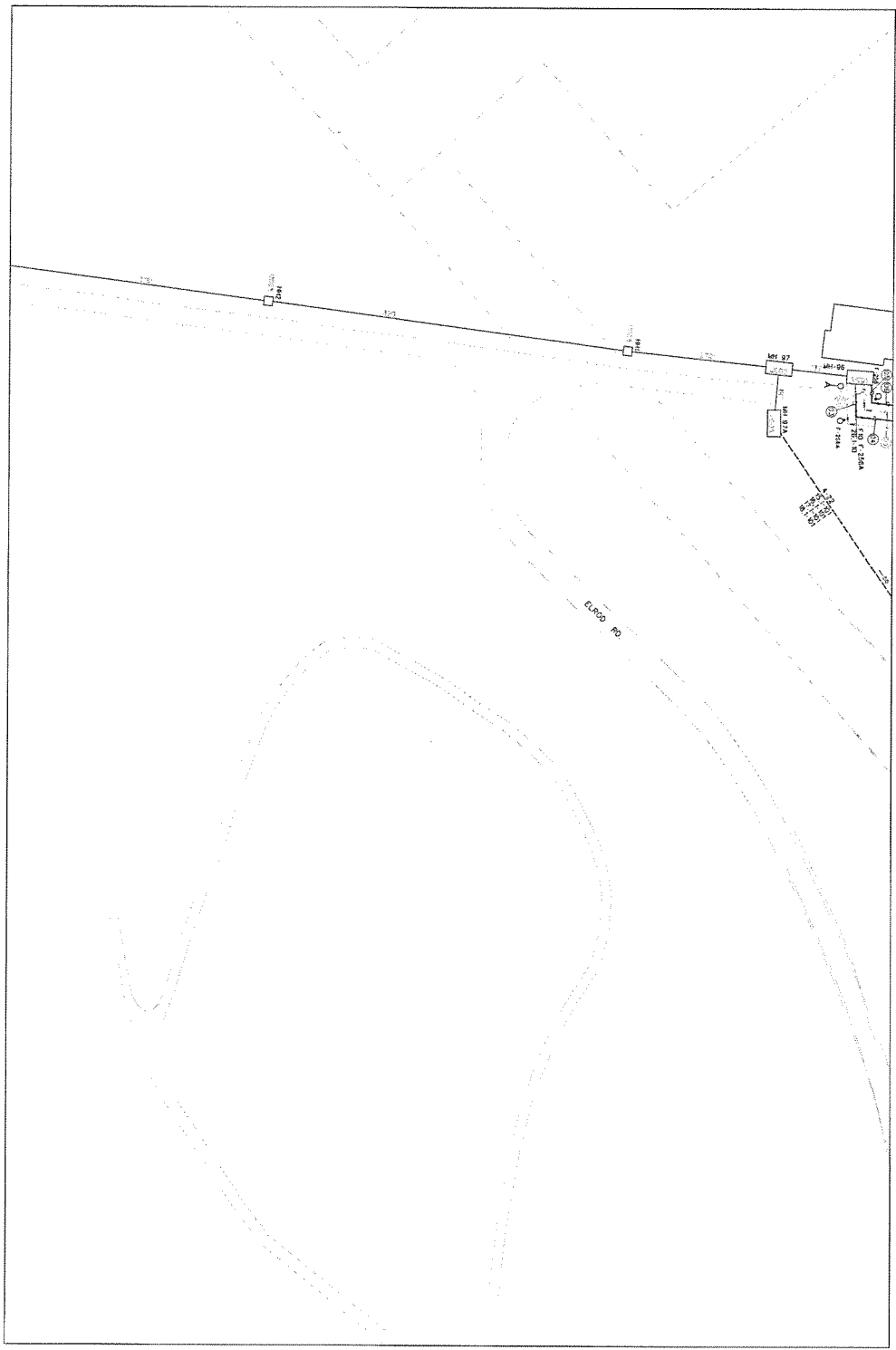


47902550	47902550	47902550
47902550	47902550	47902550
47902550	47902550	47902550

IF SITE IS TO BE USED FOR OTHER THAN THE ABOVE PURPOSES, A REVISION IS REQUIRED.

BSP-OSP-FM-47950550

PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM	
PROJECT NUMBER	001510E PLANT FACILITY MAP	
DATE	07/20/2002	
BY	DAVID L. HARRIS	
APPROVED BY	DAVID L. HARRIS	
SCALE	AS SHOWN	
REVISIONS		
NO.	DATE	DESCRIPTION
1	08-29-2002	AS SHOWN
2	10-20-2000	AS SHOWN

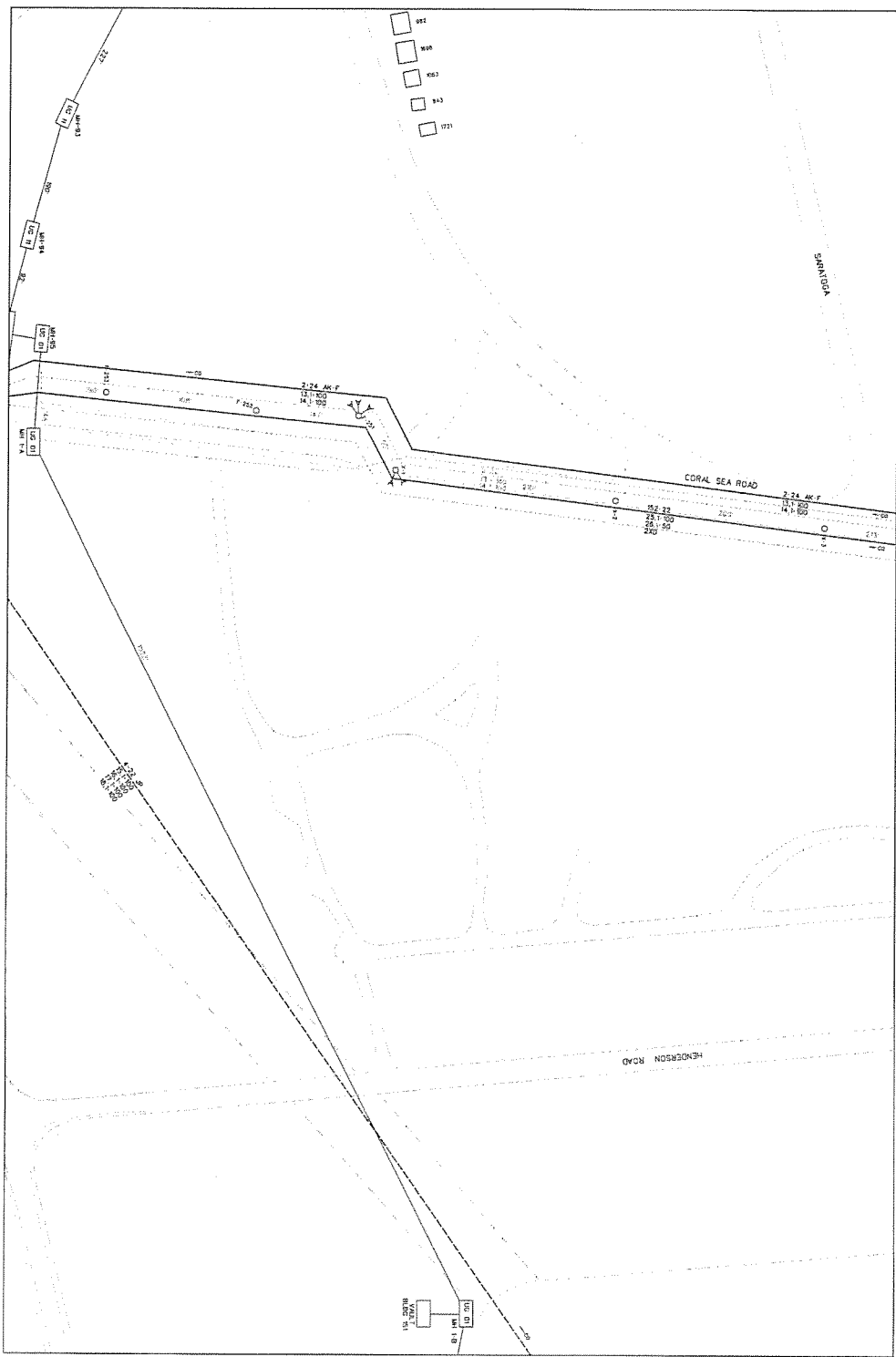


*1905050	*1905050	*1905050	*1905050
ANGORNO	ANGORNO	ANGORNO	ANGORNO

BSP-OSP-FM-47950560

- ① 30' x 30' AREA
- ② 30' x 30' AREA
- ③ 30' x 30' AREA
- ④ 30' x 30' AREA
- ⑤ 30' x 30' AREA
- ⑥ 30' x 30' AREA
- ⑦ 30' x 30' AREA
- ⑧ 30' x 30' AREA
- ⑨ 30' x 30' AREA
- ⑩ 30' x 30' AREA
- ⑪ 30' x 30' AREA
- ⑫ 30' x 30' AREA
- ⑬ 30' x 30' AREA
- ⑭ 30' x 30' AREA
- ⑮ 30' x 30' AREA
- ⑯ 30' x 30' AREA
- ⑰ 30' x 30' AREA
- ⑱ 30' x 30' AREA
- ⑲ 30' x 30' AREA
- ⑳ 30' x 30' AREA
- ㉑ 30' x 30' AREA
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- ㉓ 30' x 30' AREA
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- ㊹ 30' x 30' AREA
- ㊺ 30' x 30' AREA

PROJECT INFORMATION	PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM
PROJECT NUMBER	PROJECT NUMBER	001511284
PROJECT DATE	PROJECT DATE	01-15-2000
PROJECT LOCATION	PROJECT LOCATION	PERIODS POINT AND AIR STATION QUITS (D. WAREH. 1. 0981). HAWAII
PROJECT OWNER	PROJECT OWNER	OUTSIDE PLANT FACILITY MAP
PROJECT CONTRACTOR	PROJECT CONTRACTOR	PERIODS POINT AND AIR STATION QUITS (D. WAREH. 1. 0981). HAWAII
PROJECT DESIGNER	PROJECT DESIGNER	PERIODS POINT AND AIR STATION QUITS (D. WAREH. 1. 0981). HAWAII
PROJECT CHECKER	PROJECT CHECKER	PERIODS POINT AND AIR STATION QUITS (D. WAREH. 1. 0981). HAWAII
PROJECT APPROVER	PROJECT APPROVER	PERIODS POINT AND AIR STATION QUITS (D. WAREH. 1. 0981). HAWAII
PROJECT DATE	PROJECT DATE	01-15-2000
PROJECT SCALE	PROJECT SCALE	1"=500'
PROJECT SHEET NO.	PROJECT SHEET NO.	68 OF 128



GRAPHIC SCALE: 1" = 50'

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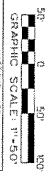
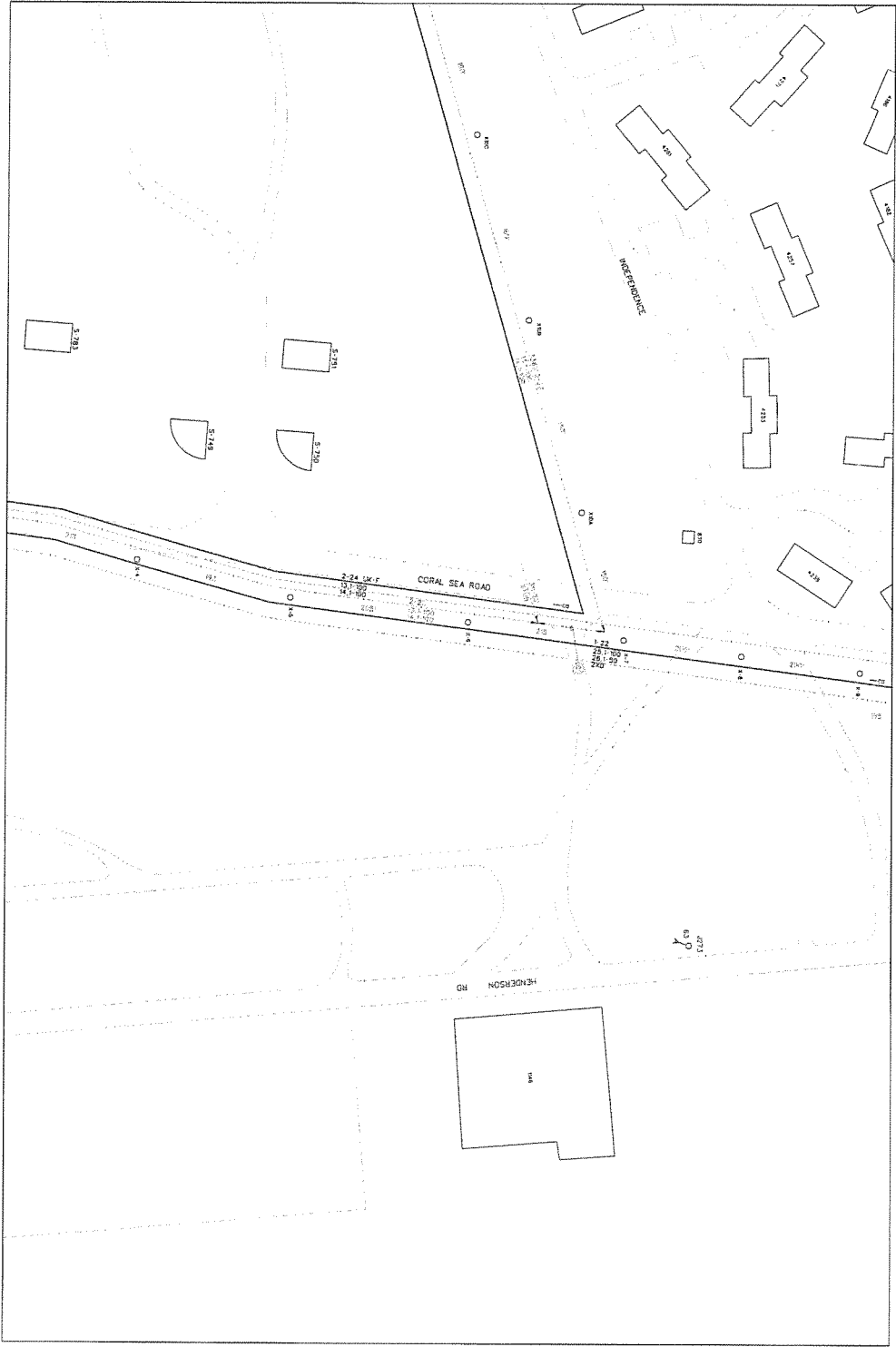
IF SHEET IS SMALLER THAN 28 X 40, GRAPHIC IS REDUCED.

BSP-OSP-FM-47950570

DATE	DESCRIPTION	BY
11-19-2000	AS-BUILT CONSTRUCTION	...
11-19-2000	AS-BUILT CONSTRUCTION	...

PROJECT INFORMATION	PROJECT NO.	DATE
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	...	...
PLACEMENT POINT HAWAII AIR STATION OUTSIDE PLANT CABLE SYSTEM	...	...
PROJECT: HAWAII	...	...

DATE	DESCRIPTION	BY
11-19-2000	AS-BUILT CONSTRUCTION	...
11-19-2000	AS-BUILT CONSTRUCTION	...



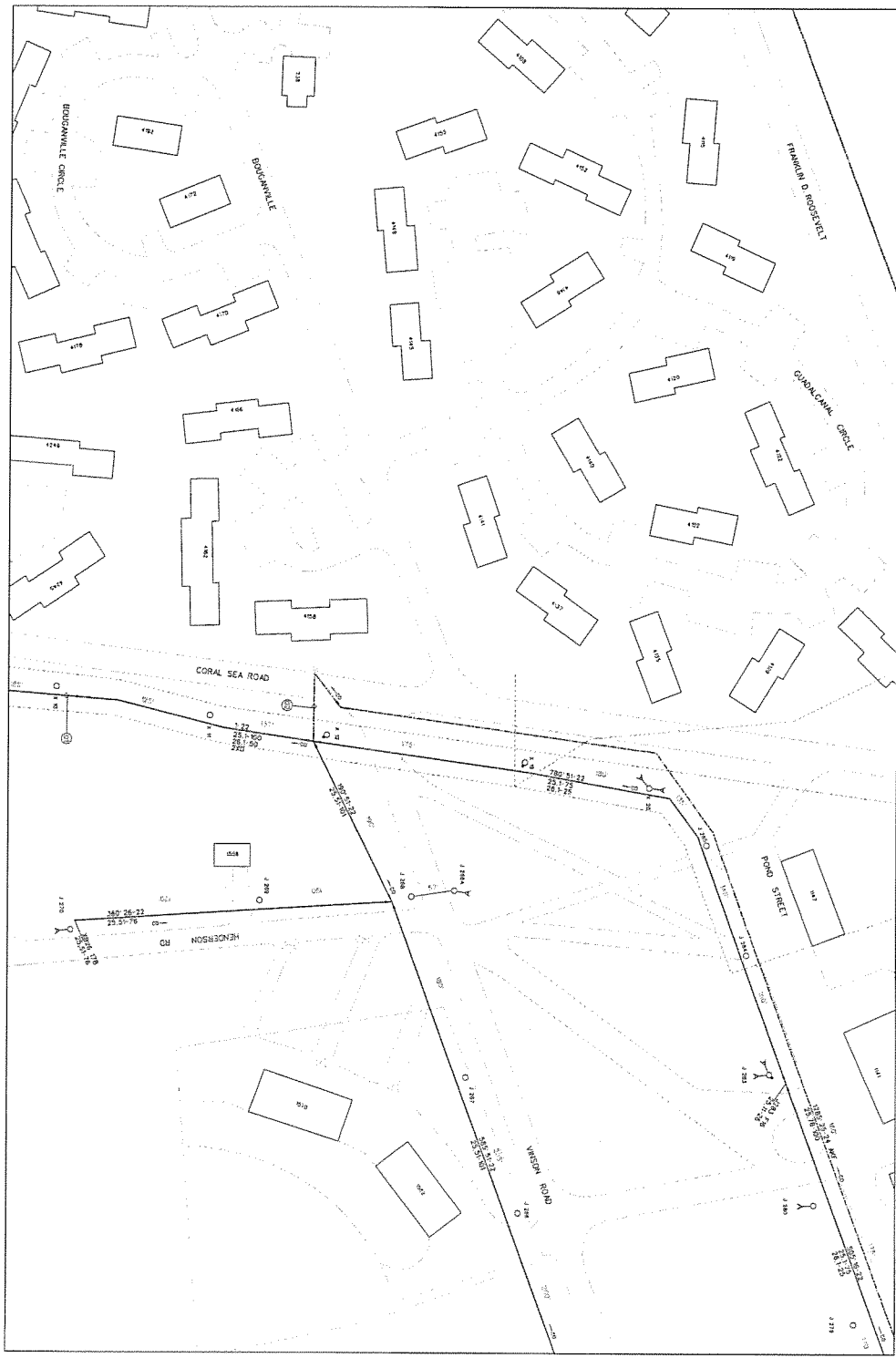
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IF SHEET IS SMALLER THAN 28 X 40, DIMENSIO IS REDUCED.
BSP-OSP-FM-47950580

NO.	DESCRIPTION	DATE	BY	CHKD BY	APPRD BY
1	AS-BUILT DRAWING OF 08-29-2002				
2	AS-BUILT CONSTRUCTION 08-29-2002				

REVISIONS	
NO.	DESCRIPTION
1	AMALHS IS IN AND CONTRACT WITH DATE: 11-19-2000
2	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARRERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM KAPALEI, OAHU, HAWAII
3	OUTSIDE PLANT FACILITY MAP

PROJECT INFORMATION	
PROJECT NO.	02A390-97-0-002
PROJECT NAME	CONTRACTOR: ACDL AC09 PM 68 # 128

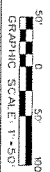
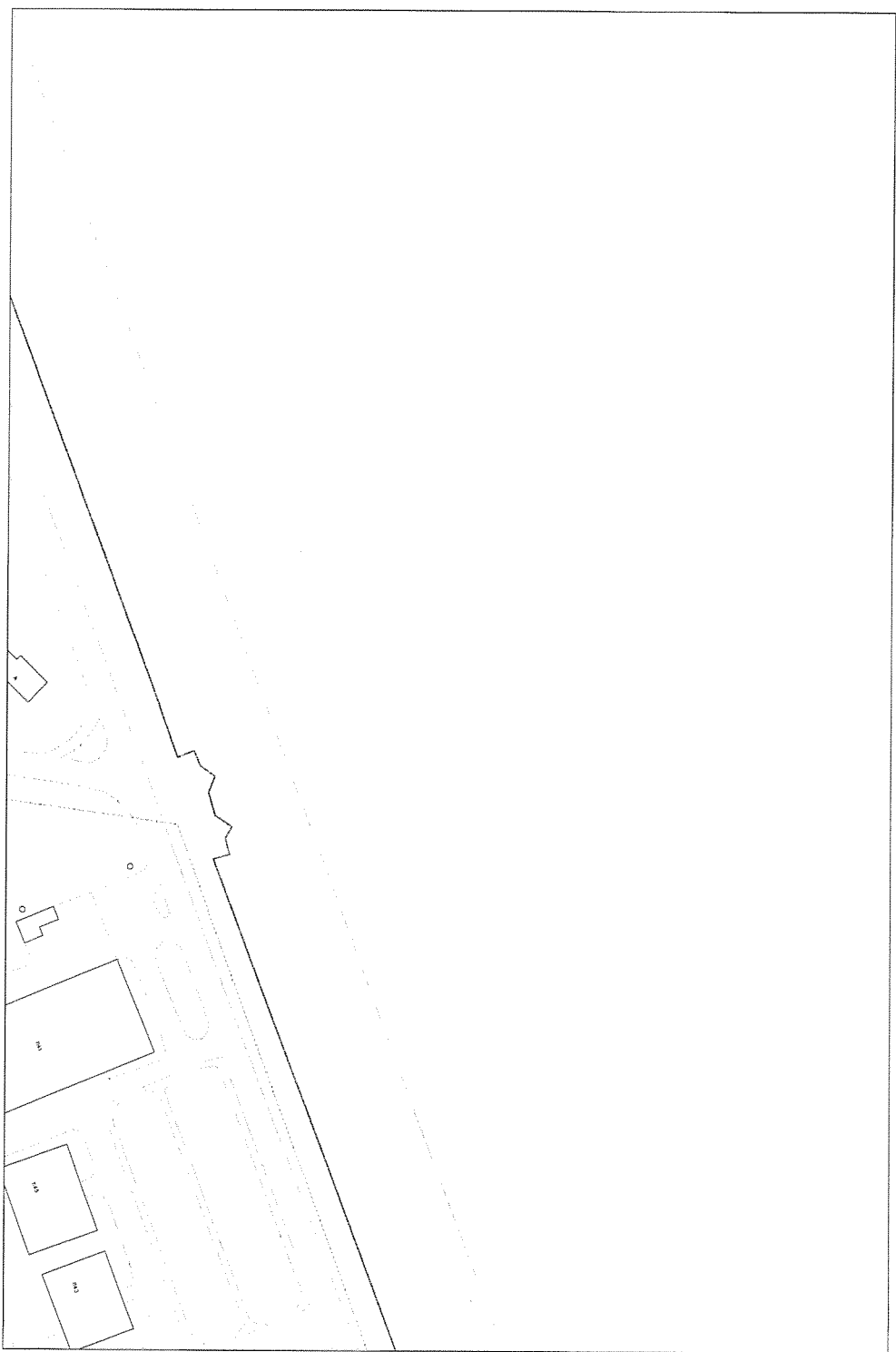


25.70-26.00
 25.70-26.00
 25.70-26.00
 25.70-26.00



IF THIS SHEET IS SMALLER THAN 28 X 38, DRAWING IS REDUCED.
 BSP-OSP-FM-47950590

ACQUISITIONS HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARBERS POINT NAVAL AIR STATION QUARTERS PLANNING CABLE SYSTEM BARBERS POINT NAVAL AIR STATION BARBERS POINT, HAWAII		DATE: 06/15/00 DRAWN BY: J. W. HARRIS CHECKED BY: J. W. HARRIS SCALE: AS SHOWN
PROJECT INFORMATION PROJECT NO.: 0041503-21-0-002 CONTRACT NO.: 69 AT 178	SHEET NO.: 1 TOTAL SHEETS: 1	DATE: 06/15/00 DRAWN BY: J. W. HARRIS CHECKED BY: J. W. HARRIS SCALE: AS SHOWN



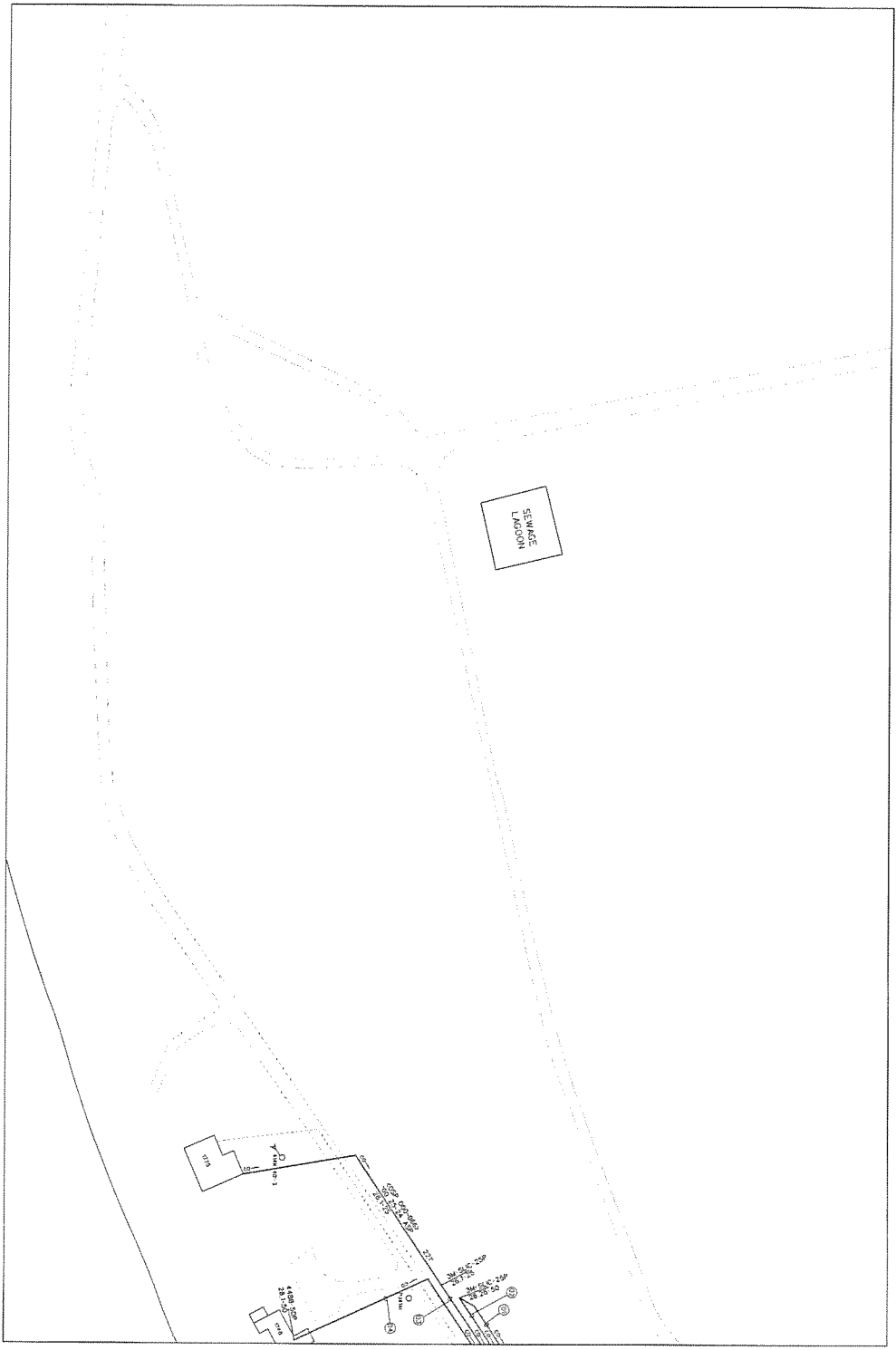
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IF SHEET IS SMALLER THAN 24" x 36" DRAWING IS REDUCED.

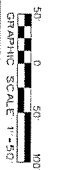
BSP-OSP-FM-47950600

REVISIONS				
NO. 1	AS SHOWN	DATE	BY	REVISION
1	AS SHOWN	02-28-2002		AS SHOWN
2	AS SHOWN	02-28-2002		AS SHOWN

PROJECT NO.	47950600
PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
PROJECT LOCATION	BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM
PROJECT DESCRIPTION	OUTSIDE PLANT FACILITY MAP
DATE	02-28-2002
SCALE	AS NOTED
PROJECT MANAGER	DAVIDSON-31-31-002
PROJECT ENGINEER	DAVIDSON-31-31-002
PROJECT ARCHITECT	DAVIDSON-31-31-002



- ① CSP 4000 040P
20 4.15.24 A0P
- ② CSP 4000 040P
20 4.15.24 A0P
- ③ CSP 4000 040P
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- ④ CSP 4000 040P
20 4.15.24 A0P

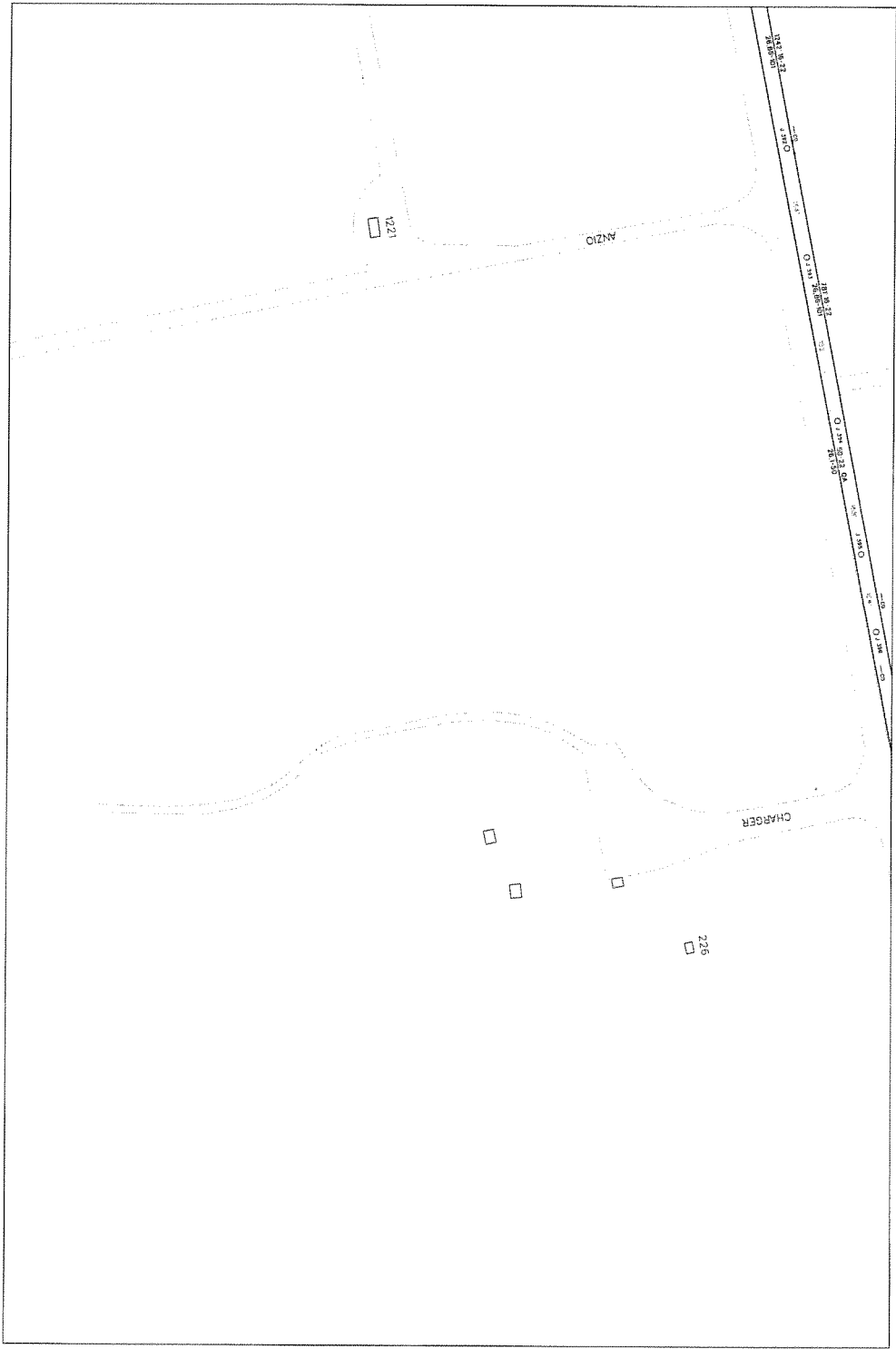


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IF SHEET IS SMALLER THAN 24 X 36, DRAWING IS REDUCED.
BSP-OSP-FM-48100500

DATE	DESCRIPTION	BY	CHKD
11-15-2000	REVISED FOR CONSTRUCTION	J. J. JONES	J. J. JONES
11-15-2000	REVISED FOR CONSTRUCTION	J. J. JONES	J. J. JONES
11-15-2000	REVISED FOR CONSTRUCTION	J. J. JONES	J. J. JONES
11-15-2000	REVISED FOR CONSTRUCTION	J. J. JONES	J. J. JONES

DATE: 11-15-2000
 DRAWN BY: J. J. JONES
 CHECKED BY: J. J. JONES
 PROJECT NO.: BSP-OSP-FM-48100500
 SHEET NO.: 11 OF 128



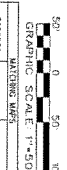
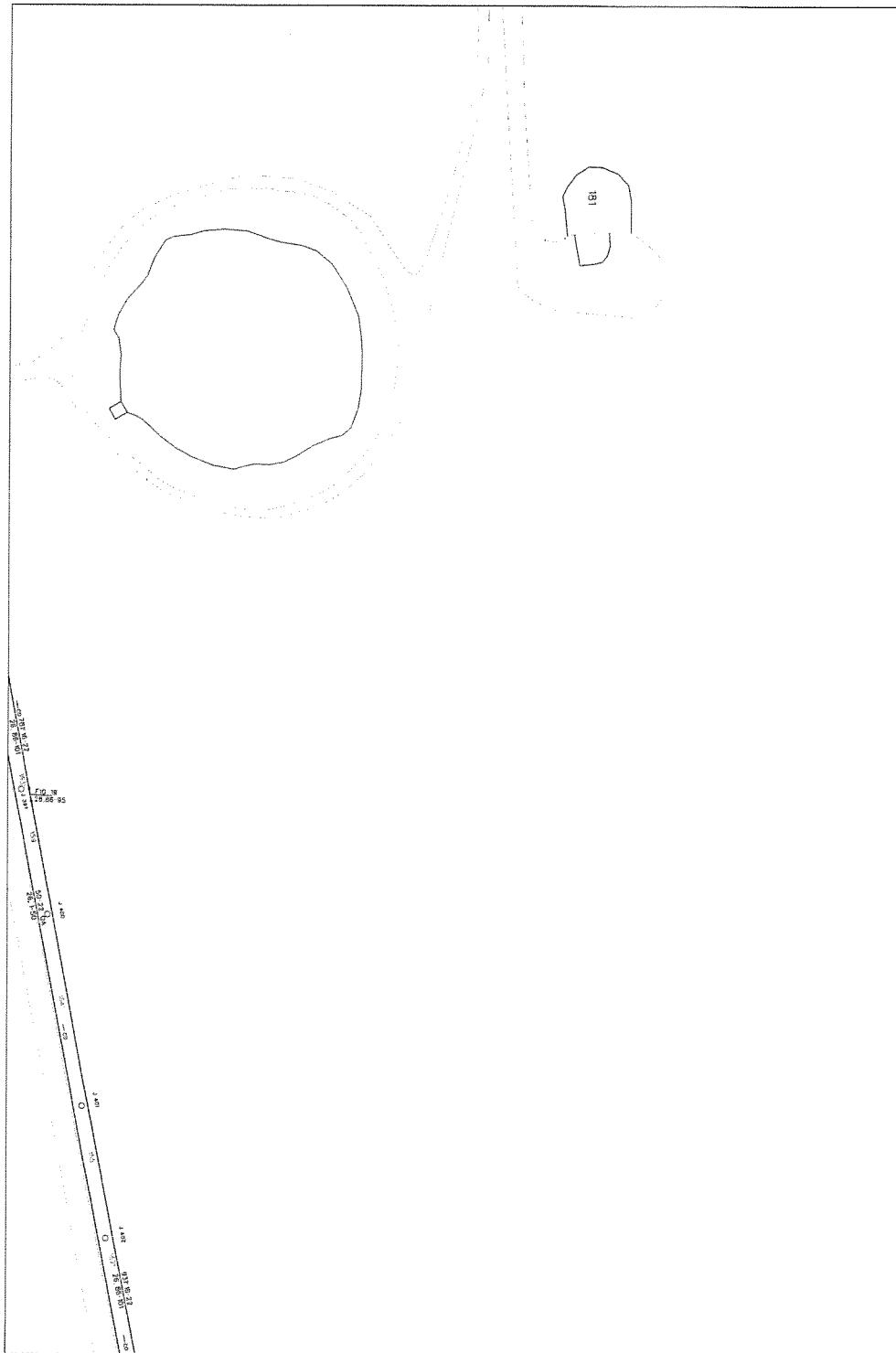
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THIS SHEET IS SMALLER THAN THE ORIGINAL IS REDUCED
 THE ORIGINAL SIZE FOR REDUCED DRAWING

DATE	BY	DESCRIPTION
11-15-2000	AS NOTED	CONSTRUCTION

PROJECT	HAWAII INFORMATION TRANSFER SYSTEM
CONTRACT	(H115) CONTRACT
CLIENT	BARRING POINT NAVAL AIR STATION
LOCATION	OUTSIDE PLANT CABLE SYSTEM
DATE	02-10-01
BY	AS NOTED

BSP-OSP-FM-48100510

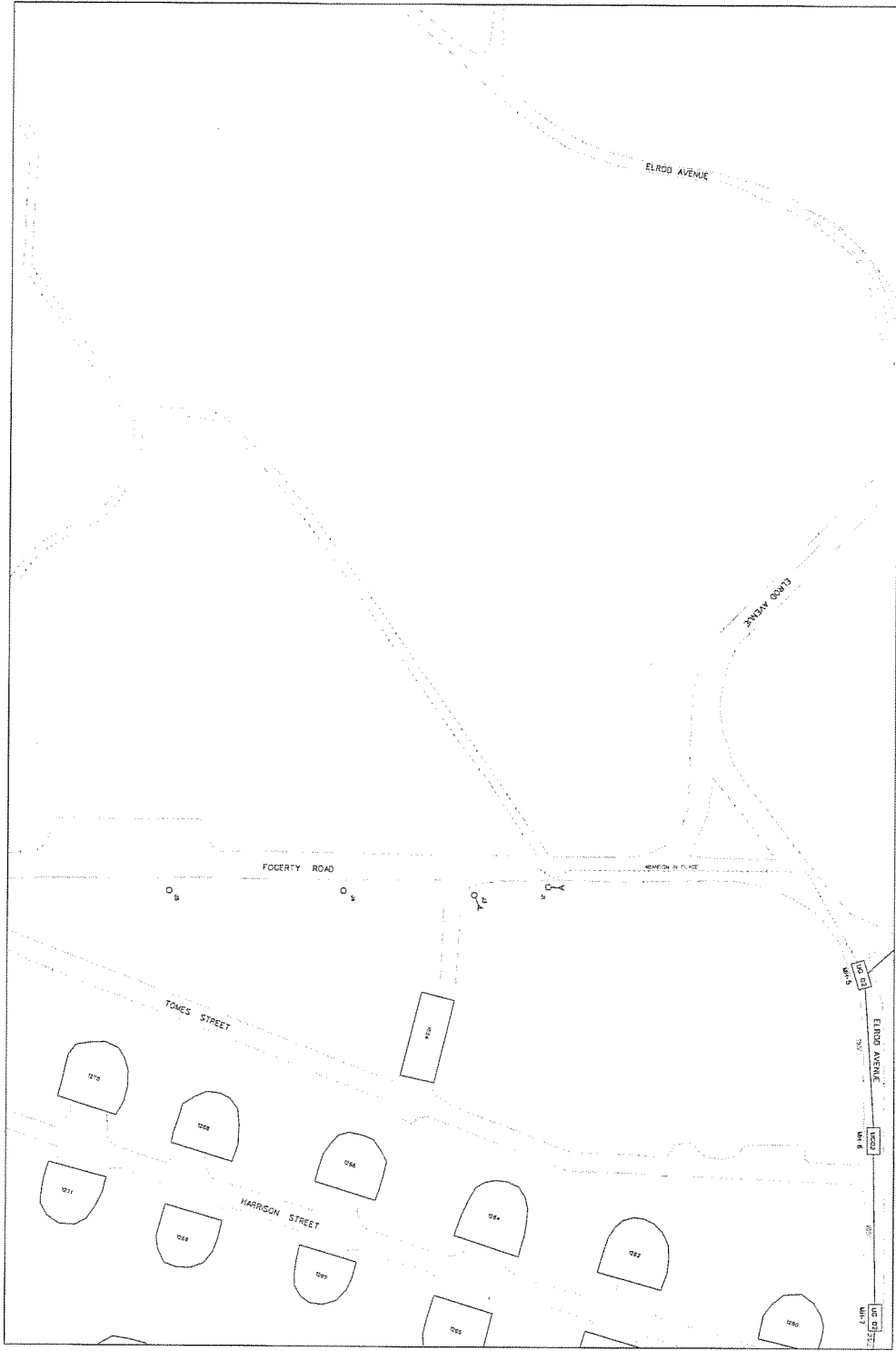


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BSP-OSP-FM-48100520

AS-BUILT UPDATE AS OF 08-28-2002	AS-BUILT CONDITION AS OF 08-28-2000			
REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHKD
1	08/28/02	AS-BUILT UPDATE AS OF 08-28-2002		
2	08/28/00	AS-BUILT CONDITION AS OF 08-28-2000		

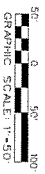
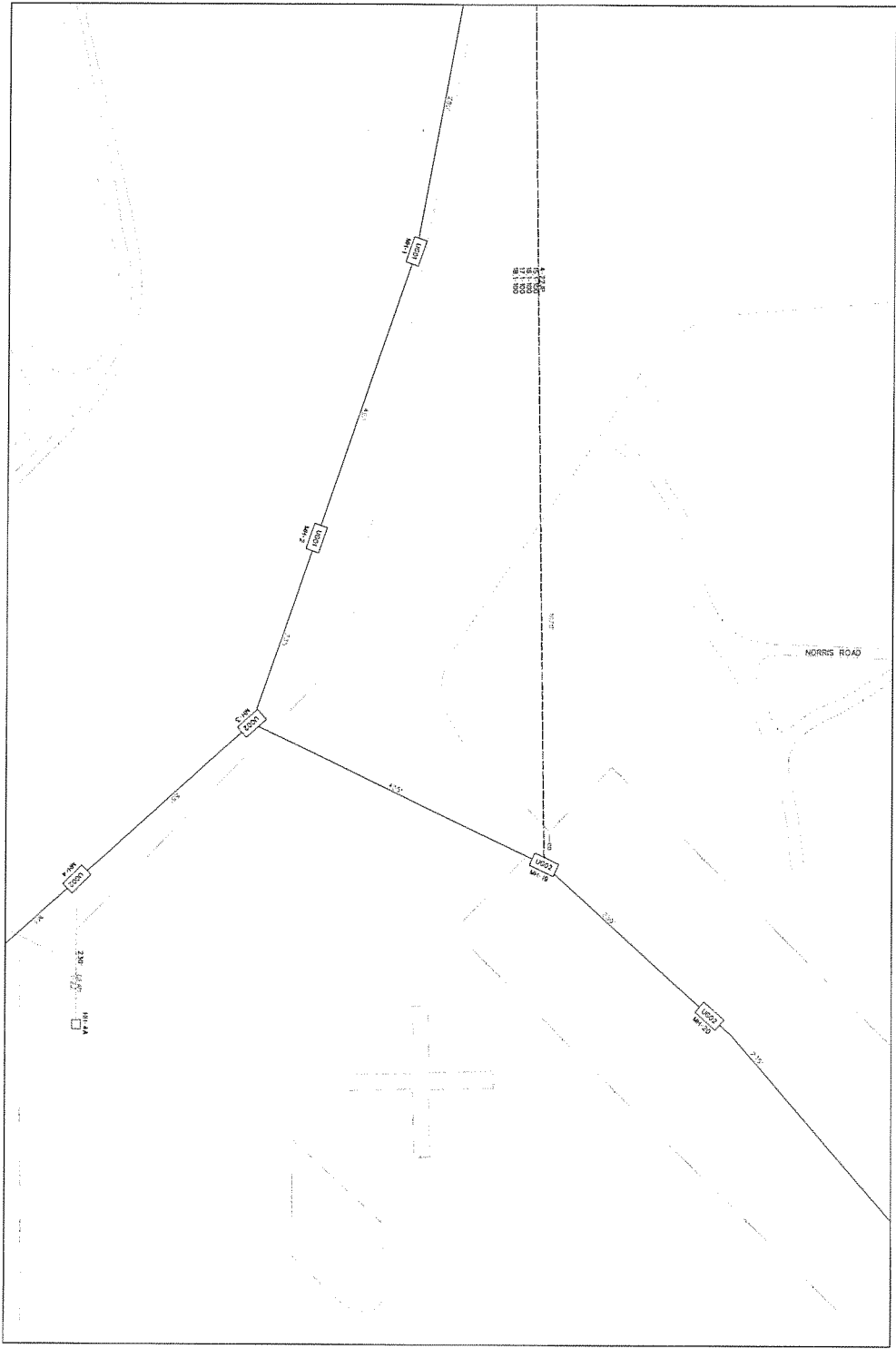
HAWAII INFORMATION TRANSFER SYSTEM
 BARRERS POINT TANK AIR STATION
 OUTSIDE AIR INTAKE SYSTEM
 0015100 F. INT FACILITY MAP



NORTHING MARKS	
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IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REDUCED.
 THIS SHEET IS THE STATE FILE RECORD DRAWING.
BSP-OSP-FM-48100560

REVISIONS	
NO. 1	AS BUILT FRONT AN OF OR 28 2002 AS BUILT CONDUIT AN OF OR 28 2000
NO. 2	AS BUILT CONDUIT AN OF OR 28 2000
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NO. 8	AS BUILT CONDUIT AN OF OR 28 2000
NO. 9	AS BUILT CONDUIT AN OF OR 28 2000
NO. 10	AS BUILT CONDUIT AN OF OR 28 2000
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NO. 12	AS BUILT CONDUIT AN OF OR 28 2000
NO. 13	AS BUILT CONDUIT AN OF OR 28 2000
NO. 14	AS BUILT CONDUIT AN OF OR 28 2000
NO. 15	AS BUILT CONDUIT AN OF OR 28 2000
NO. 16	AS BUILT CONDUIT AN OF OR 28 2000
NO. 17	AS BUILT CONDUIT AN OF OR 28 2000
NO. 18	AS BUILT CONDUIT AN OF OR 28 2000
NO. 19	AS BUILT CONDUIT AN OF OR 28 2000
NO. 20	AS BUILT CONDUIT AN OF OR 28 2000
NO. 21	AS BUILT CONDUIT AN OF OR 28 2000
NO. 22	AS BUILT CONDUIT AN OF OR 28 2000
NO. 23	AS BUILT CONDUIT AN OF OR 28 2000
NO. 24	AS BUILT CONDUIT AN OF OR 28 2000
NO. 25	AS BUILT CONDUIT AN OF OR 28 2000
NO. 26	AS BUILT CONDUIT AN OF OR 28 2000
NO. 27	AS BUILT CONDUIT AN OF OR 28 2000
NO. 28	AS BUILT CONDUIT AN OF OR 28 2000
NO. 29	AS BUILT CONDUIT AN OF OR 28 2000
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NO. 31	AS BUILT CONDUIT AN OF OR 28 2000
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NO. 37	AS BUILT CONDUIT AN OF OR 28 2000
NO. 38	AS BUILT CONDUIT AN OF OR 28 2000
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MAPPING DATA			
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IF SHEET IS SMALLER THAN 36 X 48, DIMENSION IS REDUCED.

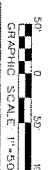
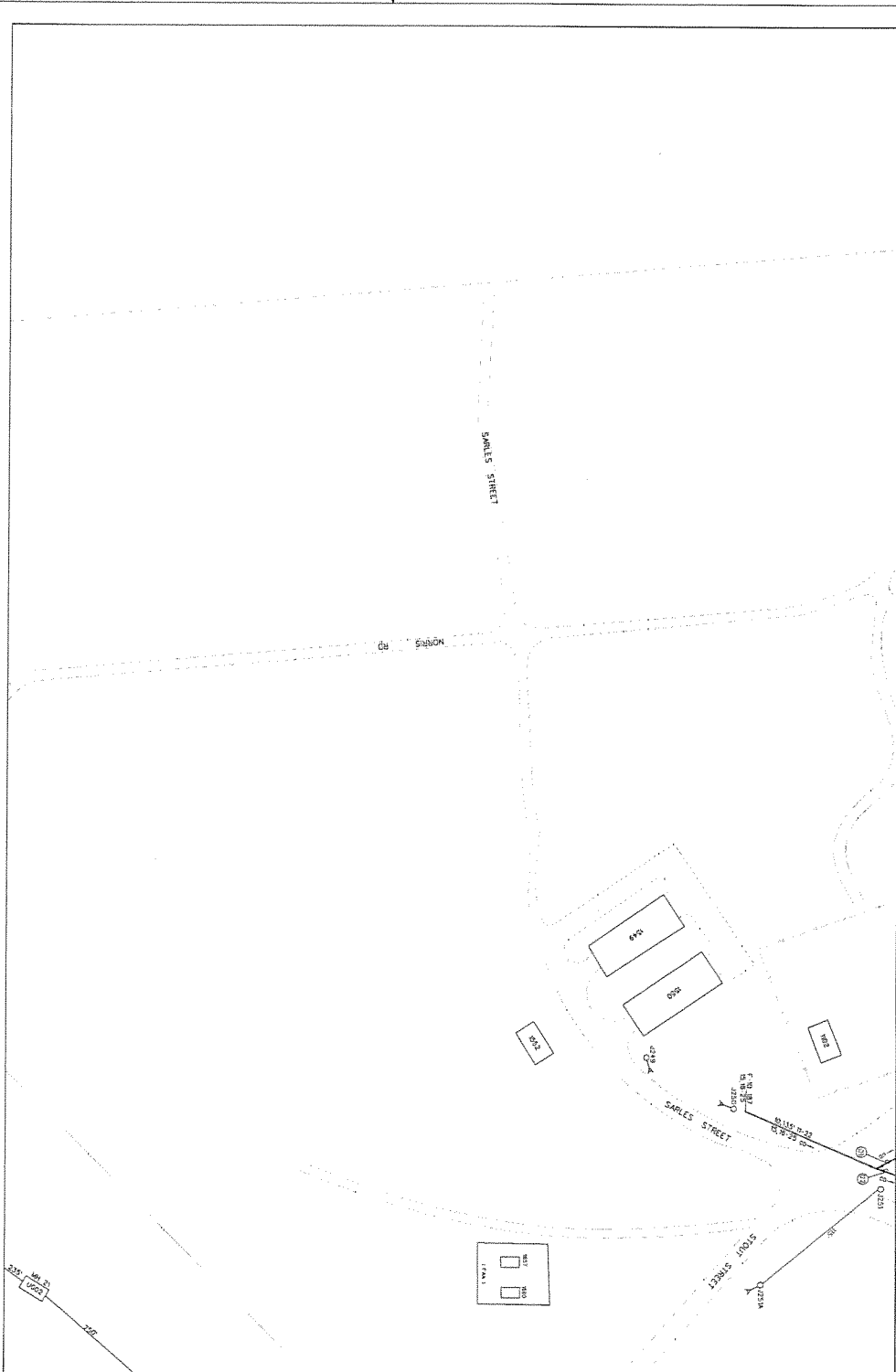
BSP-OSP-FM-48100570

REVISIONS	
NO.	DATE
1	06-20-2000

DATE	06-20-2000
BY	AS NOTED

DATE	06-20-2000
BY	AS NOTED

HAWAII INFORMATION SYSTEM
 (HITS) CONTRACT
 BARBERS POINT HAWAII AIR STATION
 OUTSIDE PLANT CABLE SYSTEM
 BARBERS POINT HAWAII AIR STATION
 11-15-2000
 HAWAII INFORMATION SYSTEM

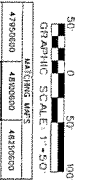
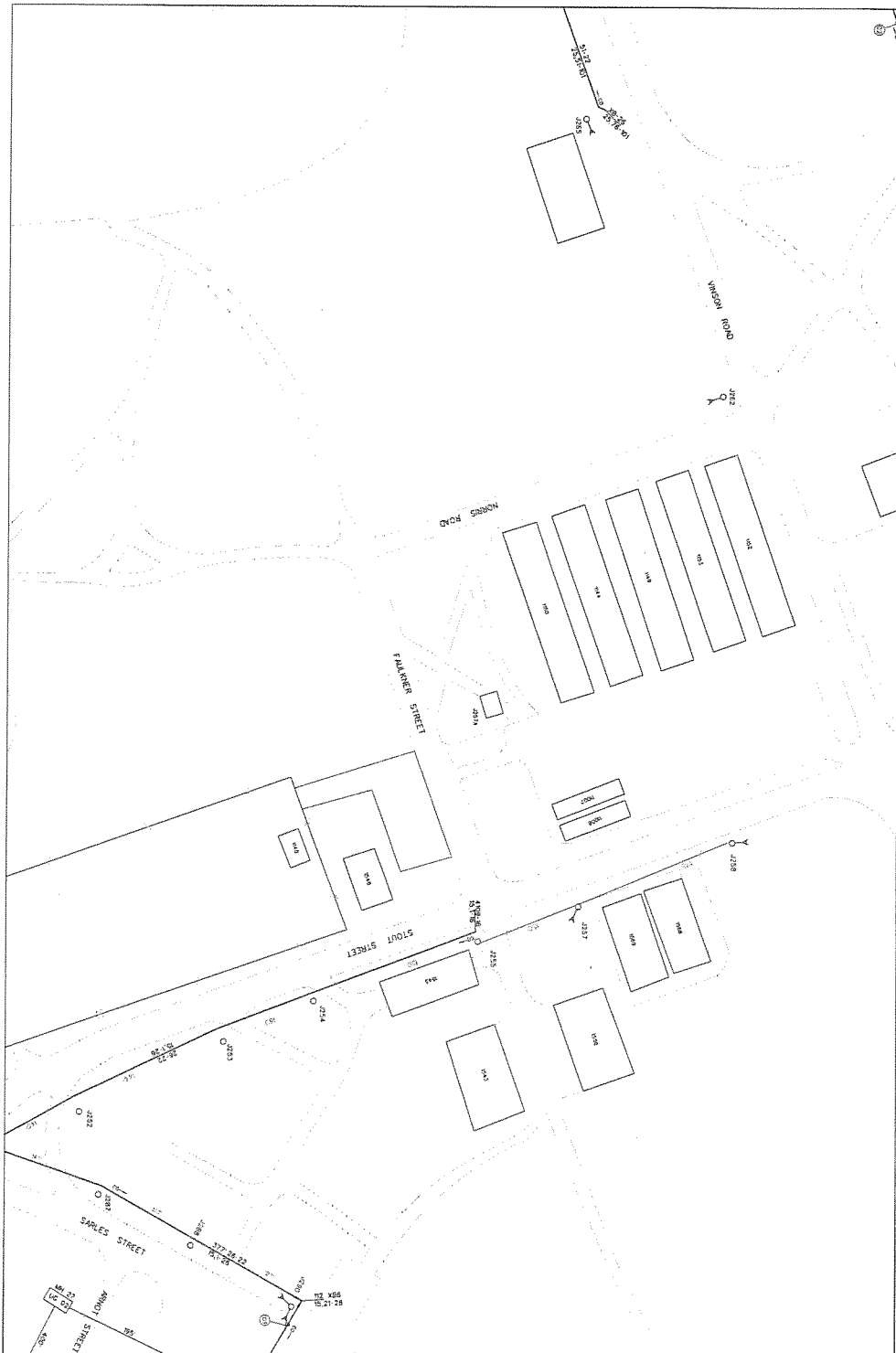


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IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REDUCED

DATE THIS DRAWING	DATE THIS DRAWING	DATE THIS DRAWING	DATE THIS DRAWING
DATE THIS DRAWING	DATE THIS DRAWING	DATE THIS DRAWING	DATE THIS DRAWING
DATE THIS DRAWING	DATE THIS DRAWING	DATE THIS DRAWING	DATE THIS DRAWING
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DATE THIS DRAWING



VERTICAL DATA	
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IF SHEET IS SMALLER THAN 24 X 36, REMAIN IS REDUCED.

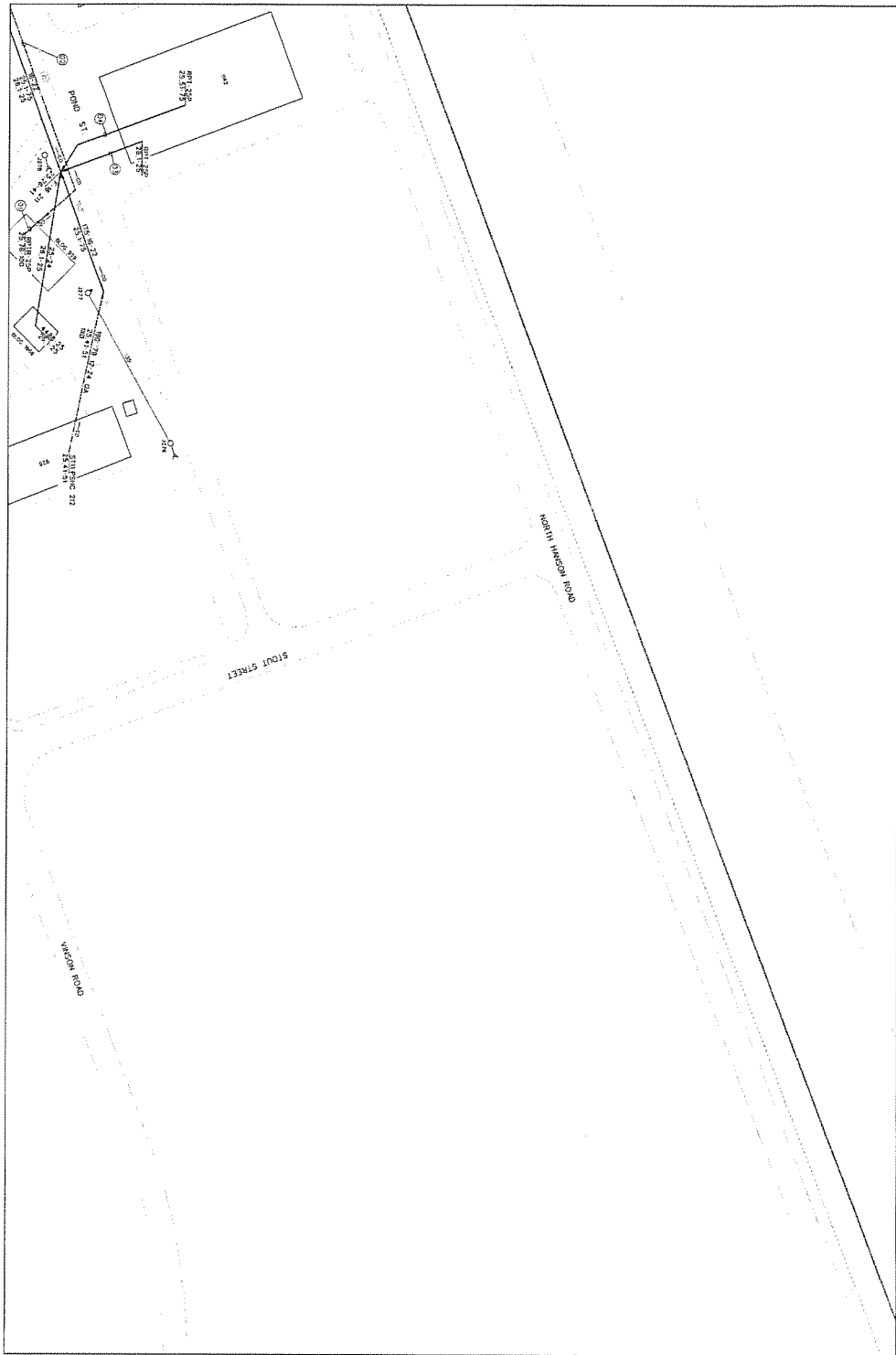
BSP-OSP-FM-48100590

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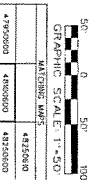
NO.	DESCRIPTION	DATE	BY	REVISION
1	AS-BUILT DRAWING AS OF 08-28-2002			
2	AS-BUILT DRAWING AS OF 10-28-2000			
3	AS-BUILT DRAWING AS OF 11-15-2000			

NO.	DESCRIPTION	DATE	BY	REVISION
1	AS-BUILT DRAWING AS OF 08-28-2002			
2	AS-BUILT DRAWING AS OF 10-28-2000			
3	AS-BUILT DRAWING AS OF 11-15-2000			

NO.	DESCRIPTION	DATE	BY	REVISION
1	AS-BUILT DRAWING AS OF 08-28-2002			
2	AS-BUILT DRAWING AS OF 10-28-2000			
3	AS-BUILT DRAWING AS OF 11-15-2000			



- ① 20' x 10' x 24' Unit
- ② 20' x 10' x 24' Unit
- ③ 20' x 10' x 24' Unit
- ④ 20' x 10' x 24' Unit
- ⑤ 20' x 10' x 24' Unit



THIS SHEET IS SMALLER THAN THE ORIGINAL IS REPRODUCED.
 REPRODUCTION OF THIS SHEET FROM REPRODUCED DRAWINGS IS PROHIBITED.

NO.	DESCRIPTION	DATE	BY	CHKD.
1	AS-BUILT DRAWING, ANTENNA, 08-29-2008			
2	AS-BUILT DRAWING, ANTENNA, 08-29-2008			
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9	AS-BUILT DRAWING, ANTENNA, 08-29-2008			
10	AS-BUILT DRAWING, ANTENNA, 08-29-2008			

REVISIONS

DATE: 08-29-2008
 TIME: 11:15-2:00
 BY: [Signature]
 CHECKED: [Signature]

PROJECT INFORMATION

PROJECT NO.: 10A-100-01-0-002
 PROJECT NAME: COM. A009 IMP. 78 & 128



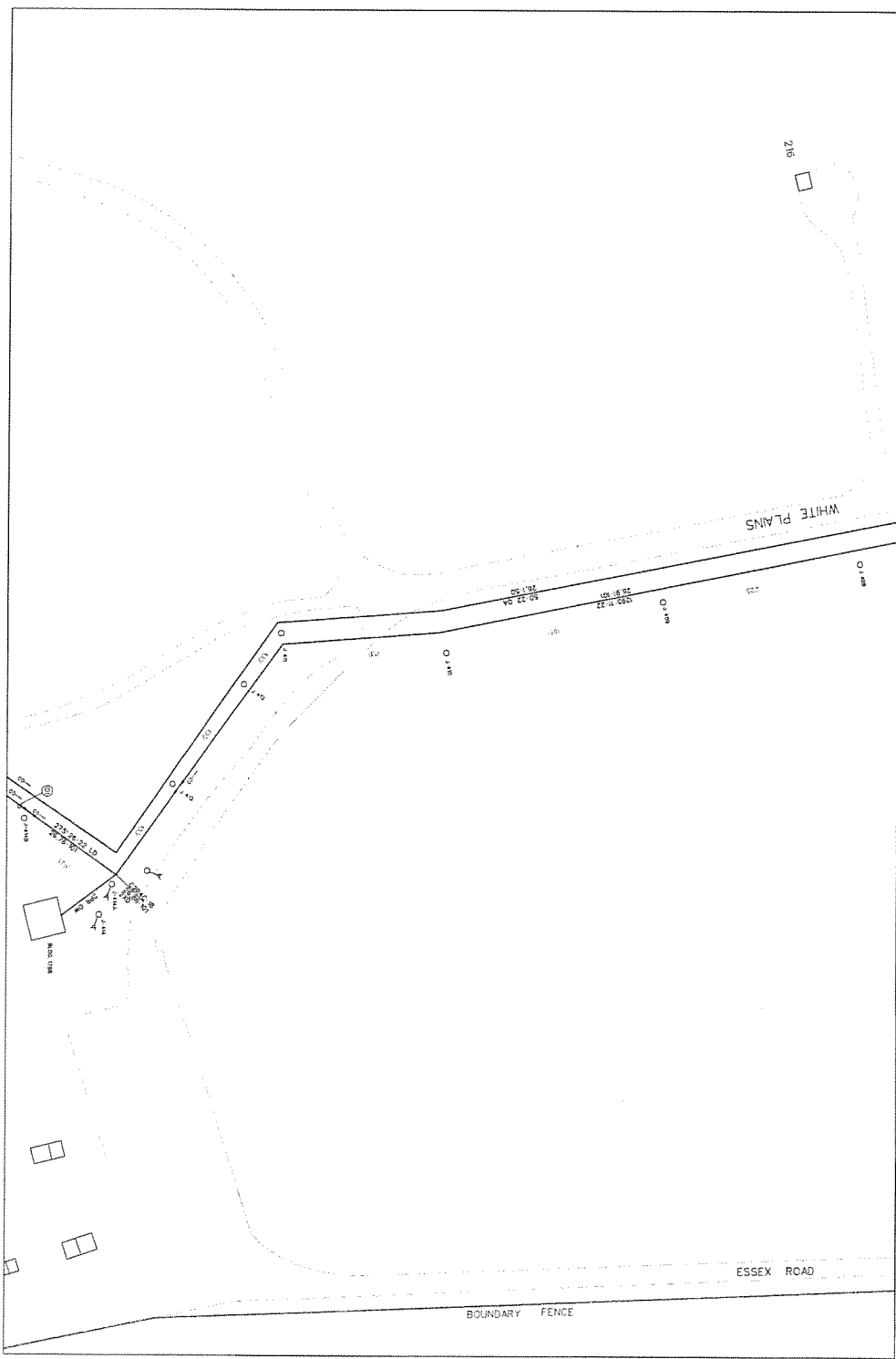
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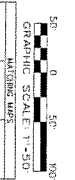
IF SHEET IS SMALLER THAN 24 X 48, DRAWING IS REDUCED.
 BSP-OSP-FM-48250500

NO.	DATE	DESCRIPTION	BY	CHKD.
1	11-15-2009	ISSUED FOR PERMIT	...	...
2	11-15-2009	REVISION	...	...

PROJECT	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
CLIENT	BREXERS FROM MAWAL AIR STATION
LOCATION	OUTSIDE PLANT CABLE SYSTEM
DESIGNER	PARCEL, OAHU, HAWAII
DATE	11-15-2009
SCALE	AS SHOWN
PROJECT NO.	...
DATE	...
BY	...
CHKD.	...



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IF SHEET IS SMALLER THAN 8 1/2\"/>

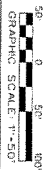
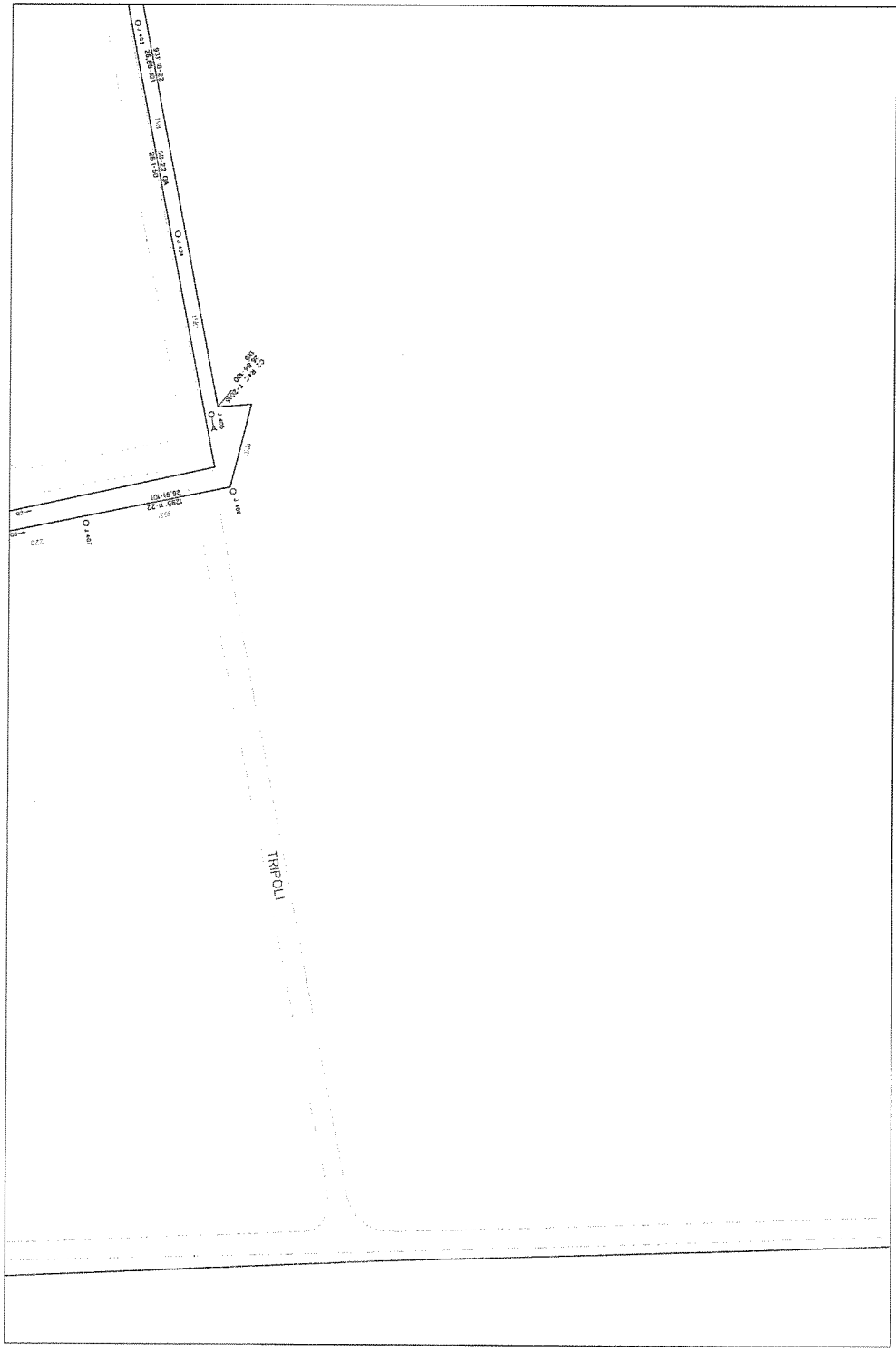
NO.	DATE	REVISIONS
1	AS-BUILT DRAWING FOR JOB 20-21889	
2	AS-BUILT CONDITION AS OF 02-20-2000	
3	REVISION	
4	REVISION	
5	REVISION	

PROJECT NO.	HAWAII INFORMATION TRANSMISSION SYSTEM (HITS) CONTRACT
CLIENT	BARRERS POINT MAWA AIR STATION
PROJECT LOCATION	BARBERS POINT, HAWAII
DATE	02/20/2000
SCALE	AS NOTED
DRAWN BY	
CHECKED BY	
DATE	
PROJECT NO.	02-20-2000
DATE	02/20/2000
SCALE	AS NOTED
DRAWN BY	
CHECKED BY	
DATE	

50' 0 50' 100'

GRAPHIC SCALE: 1"=50'

PROJECT NO.	HAWAII INFORMATION TRANSMISSION SYSTEM (HITS) CONTRACT
CLIENT	BARRERS POINT MAWA AIR STATION
PROJECT LOCATION	BARBERS POINT, HAWAII
DATE	02/20/2000
SCALE	AS NOTED
DRAWN BY	
CHECKED BY	
DATE	

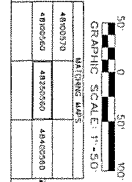
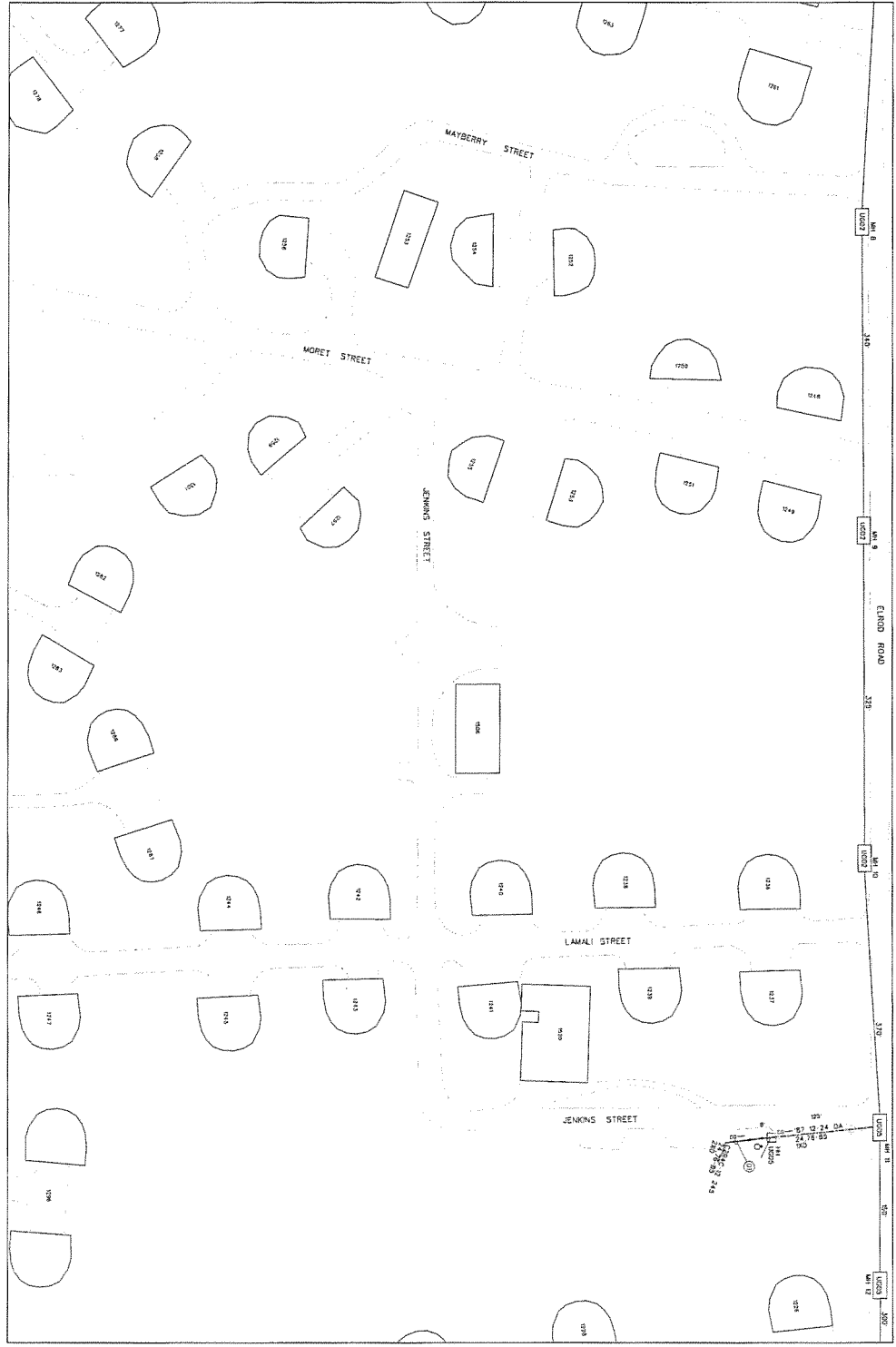


4825020	4825030	4825040	4825050
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IF SHEET IS SMALLER THAN 24 X 40, DRAWING IS REDUCED.
 USE GRAPHIC SCALE FROM REDUCED DRAWING.

DATE	BY	CHKD BY	APP'D BY
11-15-2000	...	...	...
REVISIONS 1. HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT ROBERTS POINT MAWLA AIR STATION OUTSIDE PLANT CABLE SYSTEM KAPOLEI, OAHU, HAWAII KAPOLEI PLANT FACILITY MAP OUTSIDE PLANT FACILITY MAP DRAWING NO. : DCA100-97-0-002 SHEET NO. : 48250520			

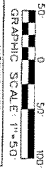
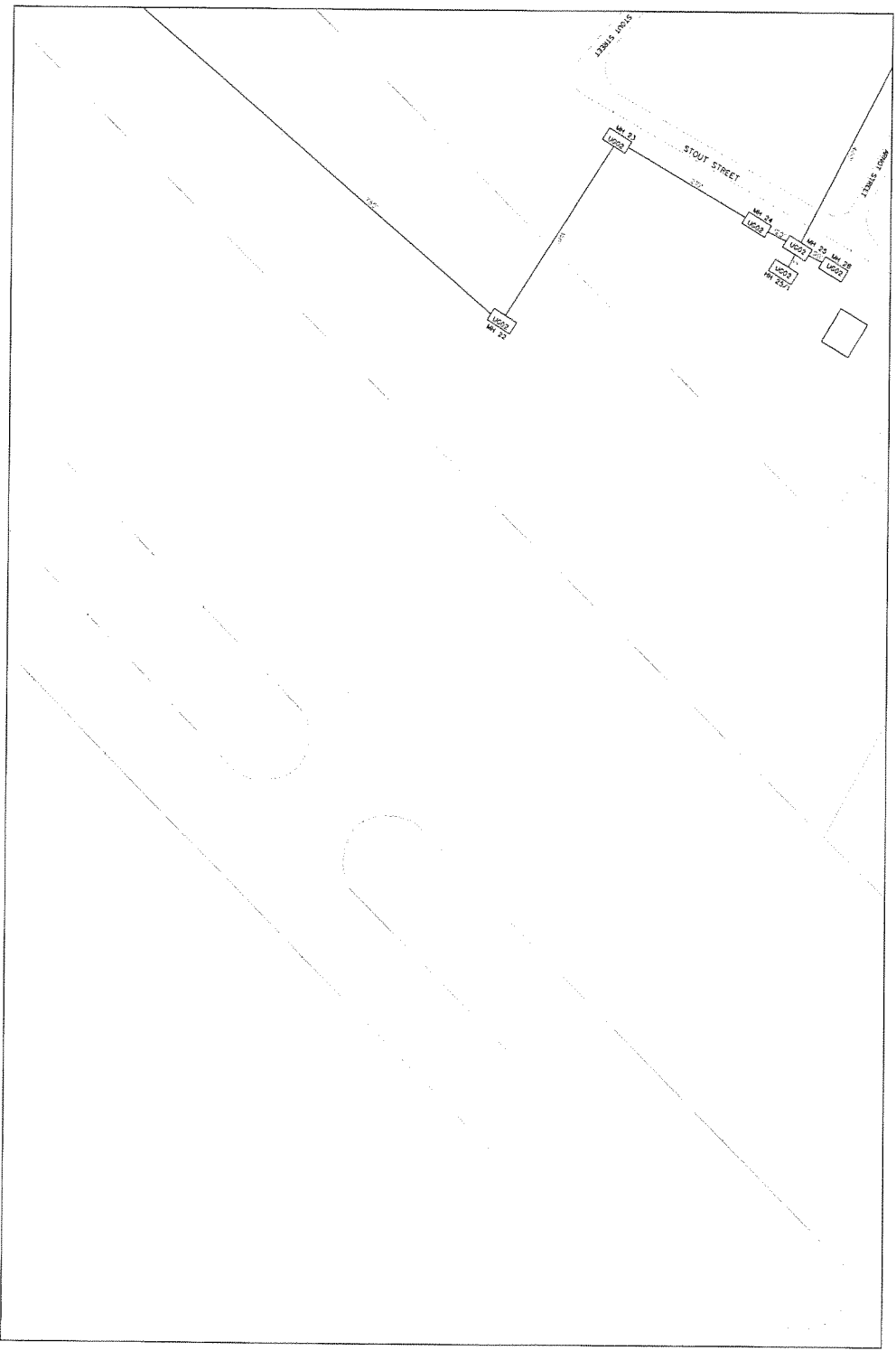
BSP-OSP-FM-48250520



BSP-OSP-FM-48250560

DATE	11/15/02	BY	JRM
REVISION			
AS-BUILT UPDATE AS OF 08-29-2002			
AS-BUILT CONDITION AS OF 05-20-2000			
PROJECT	HAWAII INFORMATION TRANSFER SYSTEM		
CLIENT	HAWAII INFORMATION TRANSFER SYSTEM		
PROJECT	OUTSIDE PLANT CARE SYSTEM		
PROJECT	APPROXIMATE PLANT FACILITY MAP		
DATE	08-29-2002	BY	JRM
DATE	05-20-2000	BY	JRM
DATE	08-29-2002	BY	JRM
DATE	05-20-2000	BY	JRM

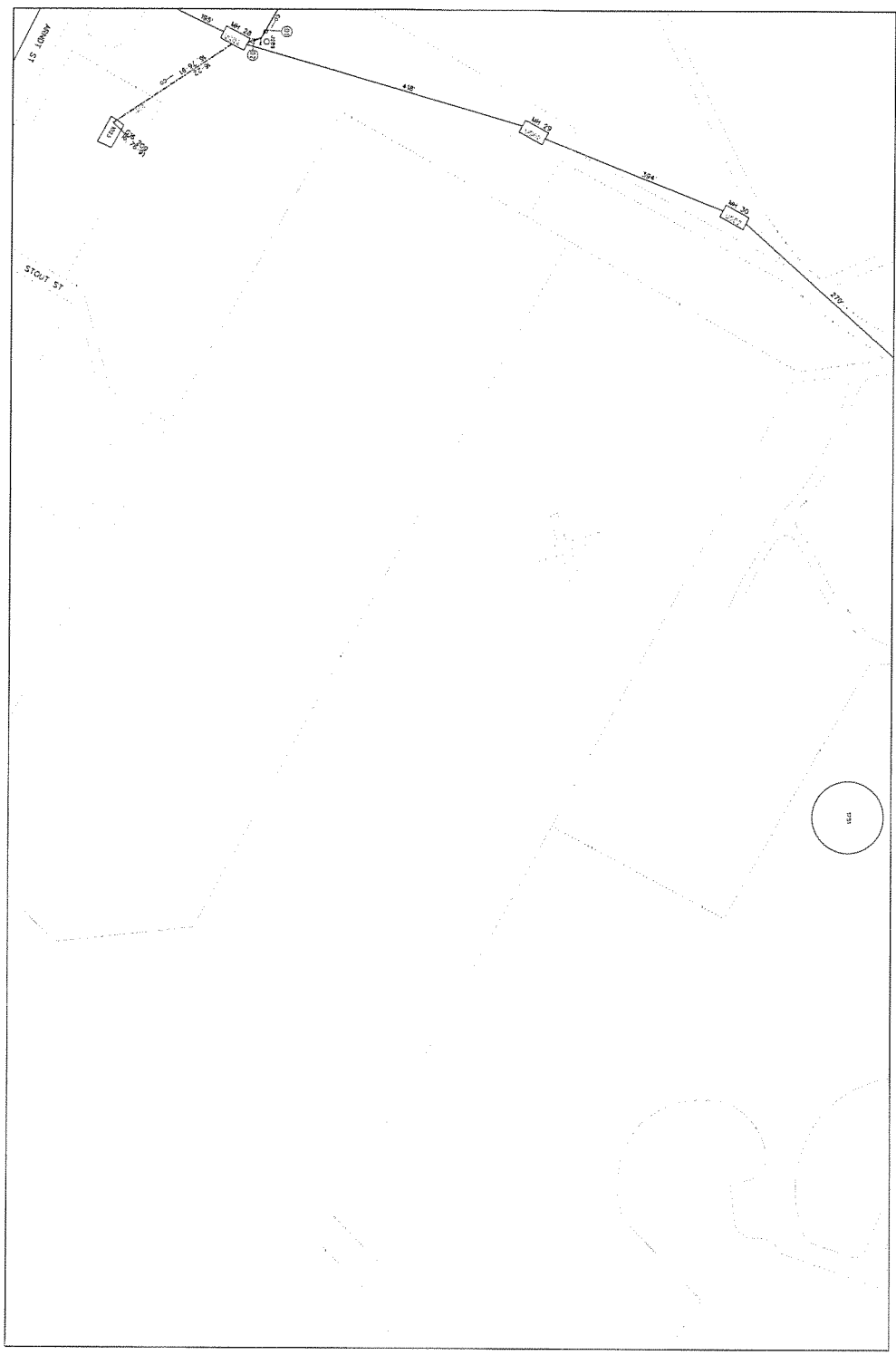
08-29-2002 0A



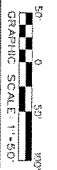
48250580	48250580	48250580	48250580
48250580	48250580	48250580	48250580

IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REDUCED.
 IF GRAPHIC SCALE FOR REDUCED DRAWING.
BSP-OSP-FM-48250580

REV. NO.	DATE	DESCRIPTION
1	11-15-2000	AS-BUILT UPDATE AS OF 08-29-2002
2	11-15-2000	AS-BUILT CONDITION AS OF 08-29-2002
REVISIONS		
DATE	BY	DESCRIPTION
11-15-2000	AS	AS-BUILT UPDATE AS OF 08-29-2002
11-15-2000	AS	AS-BUILT CONDITION AS OF 08-29-2002
PROJECT INFORMATION		
PROJECT NO.	DESCRIPTION	LOCATION
DCA300-97-0-002	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	HAWAII
DCA300-97-0-002	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	HAWAII
DCA300-97-0-002	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	HAWAII
CLIENT INFORMATION		
CLIENT NAME	CLIENT ADDRESS	CLIENT CITY
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT	1115 KANEIHOHE STREET	HONOLULU, HAWAII
PROJECT TITLE		
PROJECT TITLE	PROJECT NO.	PROJECT LOCATION
OUTSIDE PLANT CABLE SYSTEM	DCA300-97-0-002	HAWAII
PROJECT LOCATION		
PROJECT LOCATION	PROJECT NO.	PROJECT LOCATION
OUTSIDE PLANT CABLE SYSTEM	DCA300-97-0-002	HAWAII



20 5132
 21 1320
 22 1130 04

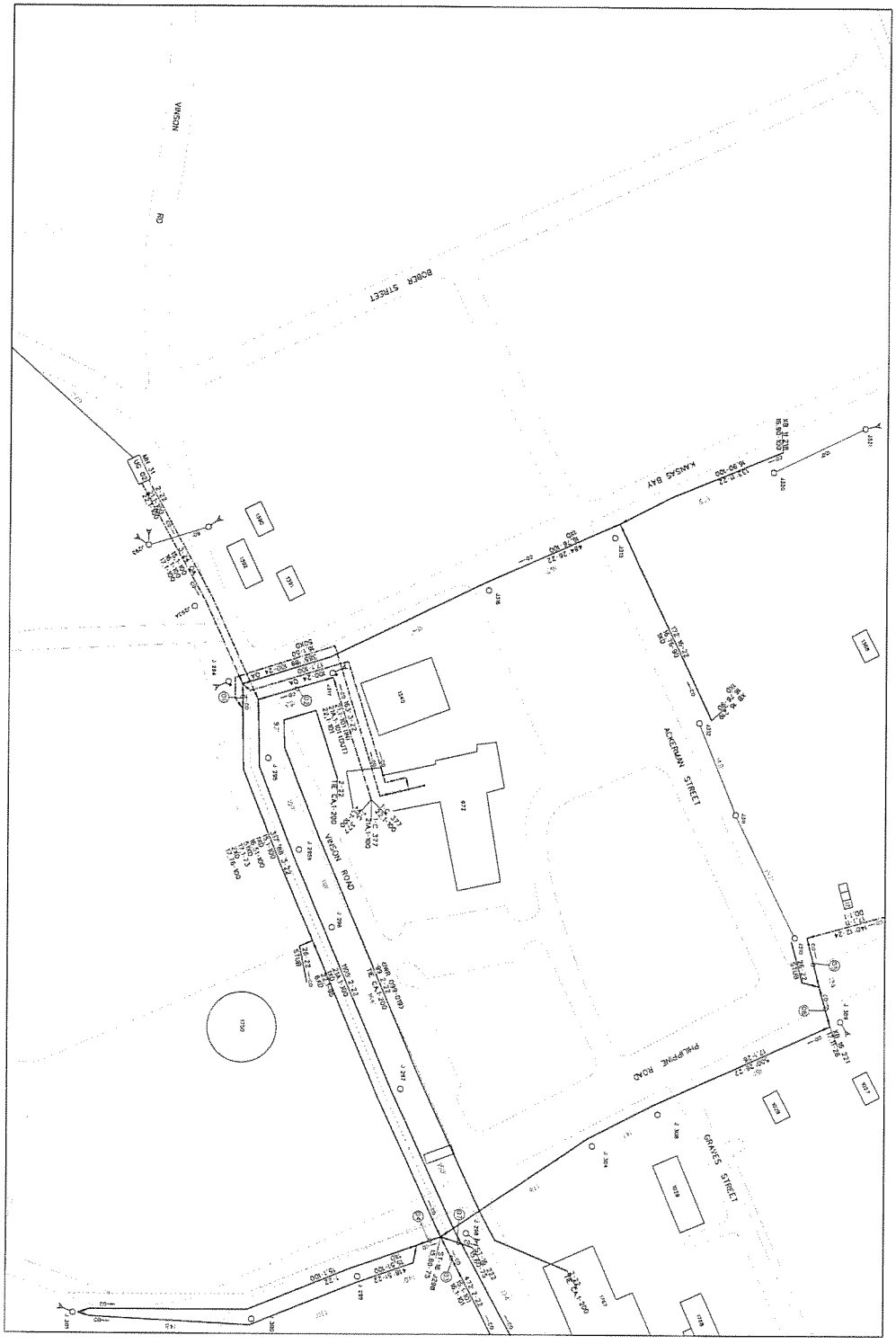


4830030	4830030	4830030
4830030	4830030	4830030
4830030	4830030	4830030

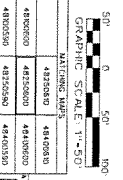
THE SHEET IS SMALLER THAN 24 X 48, BEARING 15 INCHES
 FROM THE TOP AND 15 INCHES FROM THE RIGHT.

AS-BUILT DRAWING AS OF 08-28-2002	DATE	08-28-2002
AS-BUILT CONDITION AS OF 10-28-2000	DATE	10-28-2000
REVISIONS		
ANY CORRECTIONS TO THIS DRAWING MUST BE MADE BY THE ORIGINAL DESIGNER OR HIS REPRESENTATIVE DATE: 11-15-2000	REVISIONS	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARRERS FROM HAWAII AIR STATION OUTSIDE PLANT FACILITY SYSTEM HAWAII AIR STATION HAWAII
DATE: 08-28-2002 DRAWN BY: [Name] CHECKED BY: [Name]	DATE: 10-28-2000 DRAWN BY: [Name] CHECKED BY: [Name]	DATE: 11-15-2000 DRAWN BY: [Name] CHECKED BY: [Name]

BSP-OSP-FM-48250590



- ① 3.1 km
- ② 3.1 km
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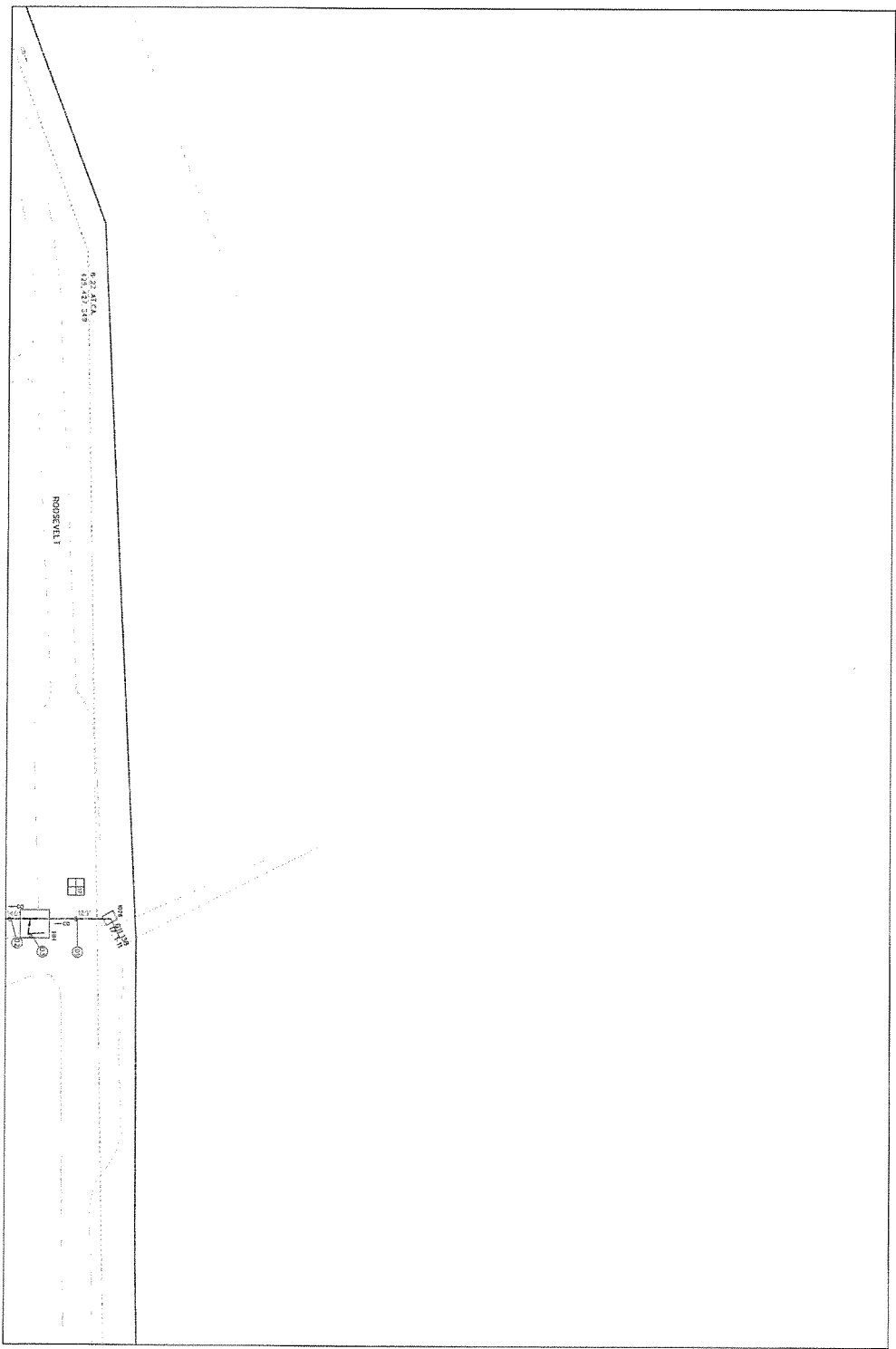
GRAPHIC SCALE: 1"=50'

IF SHEET IS SMALLER THAN 24 X 40, DRAWING IS REDUCED.

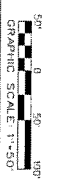
USE GRAPHIC SCALE FOR REDUCED DRAWING.

AS-BUILT UPDATE AS OF 08/25/2002 AS-BUILT CONDITION AS SHOWN 11-15-2000		REVISIONS NO. DATE BY 1 11-15-2000 JMS 2 08-25-2002 JMS	
PROJECT INFORMATION PROJECT NAME: OUTSIDE PLANT FACILITY MAP PROJECT NO.: DA300-97-0-002 SHEET NO.: 48250600		CLIENT INFORMATION CLIENT: HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT ADDRESS: 1115 S. KING ST., HONOLULU, HI 96813 CONTACT: (808) 551-1111	
DESIGNER INFORMATION DESIGNER: HAWAII INFORMATION TRANSFER SYSTEM (HITS) ADDRESS: 1115 S. KING ST., HONOLULU, HI 96813 CONTACT: (808) 551-1111		DATE PLOTTED DATE: 08/25/2002 TIME: 10:00 AM PLOTTER: HP PLOTTER	

BSP-OSP-FM-48250600



© 1984
 2/24
 2/24



4825061	4840989	4840989
4825061	4840989	4840989
4825061	4840989	4840989

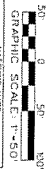
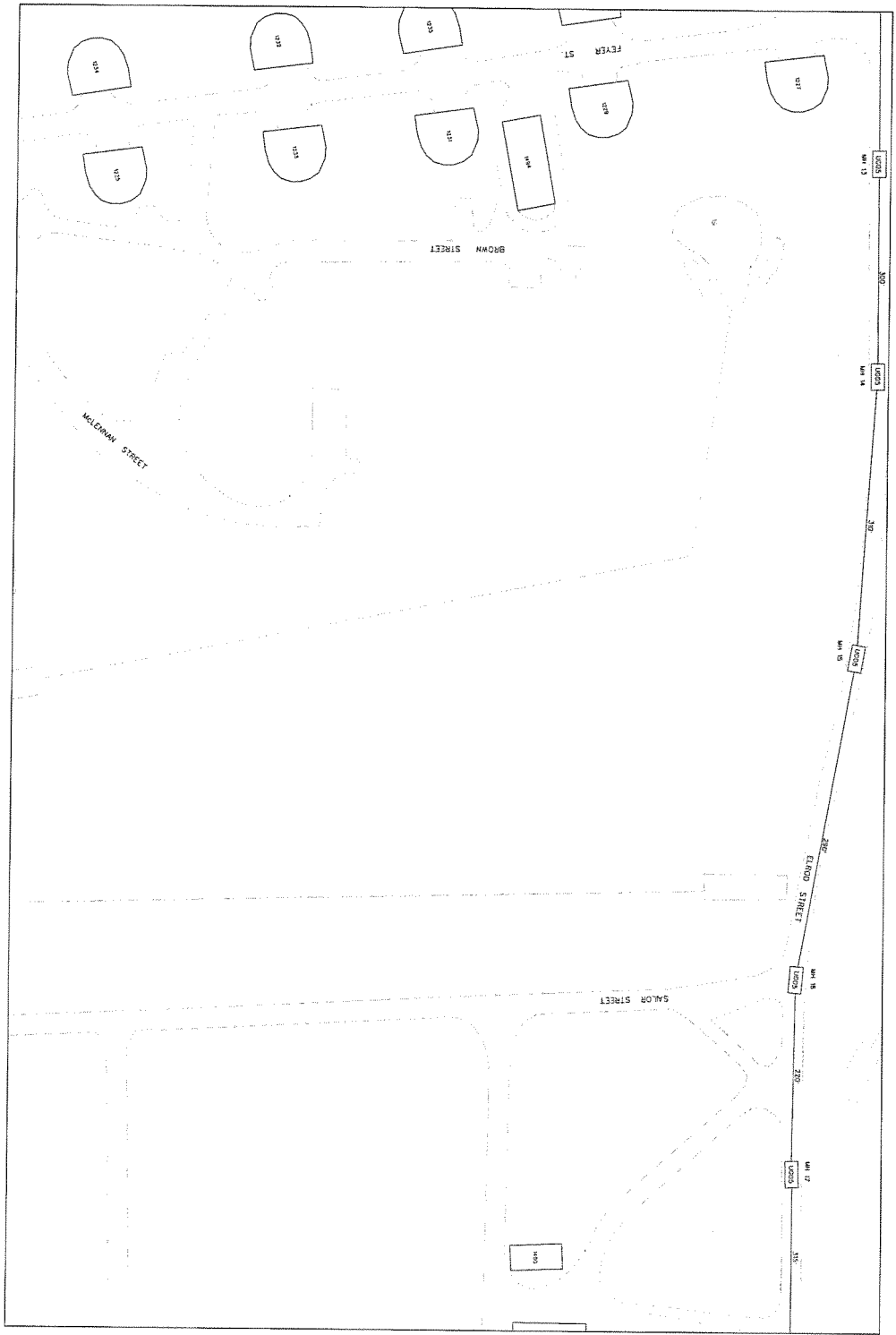
IF SHEET IS SHOWN IN PLAN, 28 & 40, REFERENCE IS REQUESTED TO SHEET 15.

AS BUILT DRAWING AS OF 08-29-2002	DATE	08-29-2002	
AS-BUILT CONDITION AS OF 08-29-2002	DATE	08-29-2002	
PROJECT INFORMATION PROJECT NAME: HAWAII INFORMATION TRANSFER SYSTEM PROJECT NUMBER: 4825061 PROJECT LOCATION: BARBERS POINT NAVAL AIR STATION PROJECT DESCRIPTION: OUTSIDE PLANT AND CABLE SYSTEM PROJECT PHASE: OUTSIDE PLANT FACILITY MAP			
DATE	08-29-2002	BY	DAVID B. J. D-002
DATE	08-29-2002	BY	DAVID B. J. D-002

PROJECT INFORMATION
 PROJECT NAME: HAWAII INFORMATION TRANSFER SYSTEM
 PROJECT NUMBER: 4825061
 PROJECT LOCATION: BARBERS POINT NAVAL AIR STATION
 PROJECT DESCRIPTION: OUTSIDE PLANT AND CABLE SYSTEM
 PROJECT PHASE: OUTSIDE PLANT FACILITY MAP

DATE: 08-29-2002
 BY: DAVID B. J. D-002

DATE: 08-29-2002
 BY: DAVID B. J. D-002

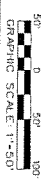
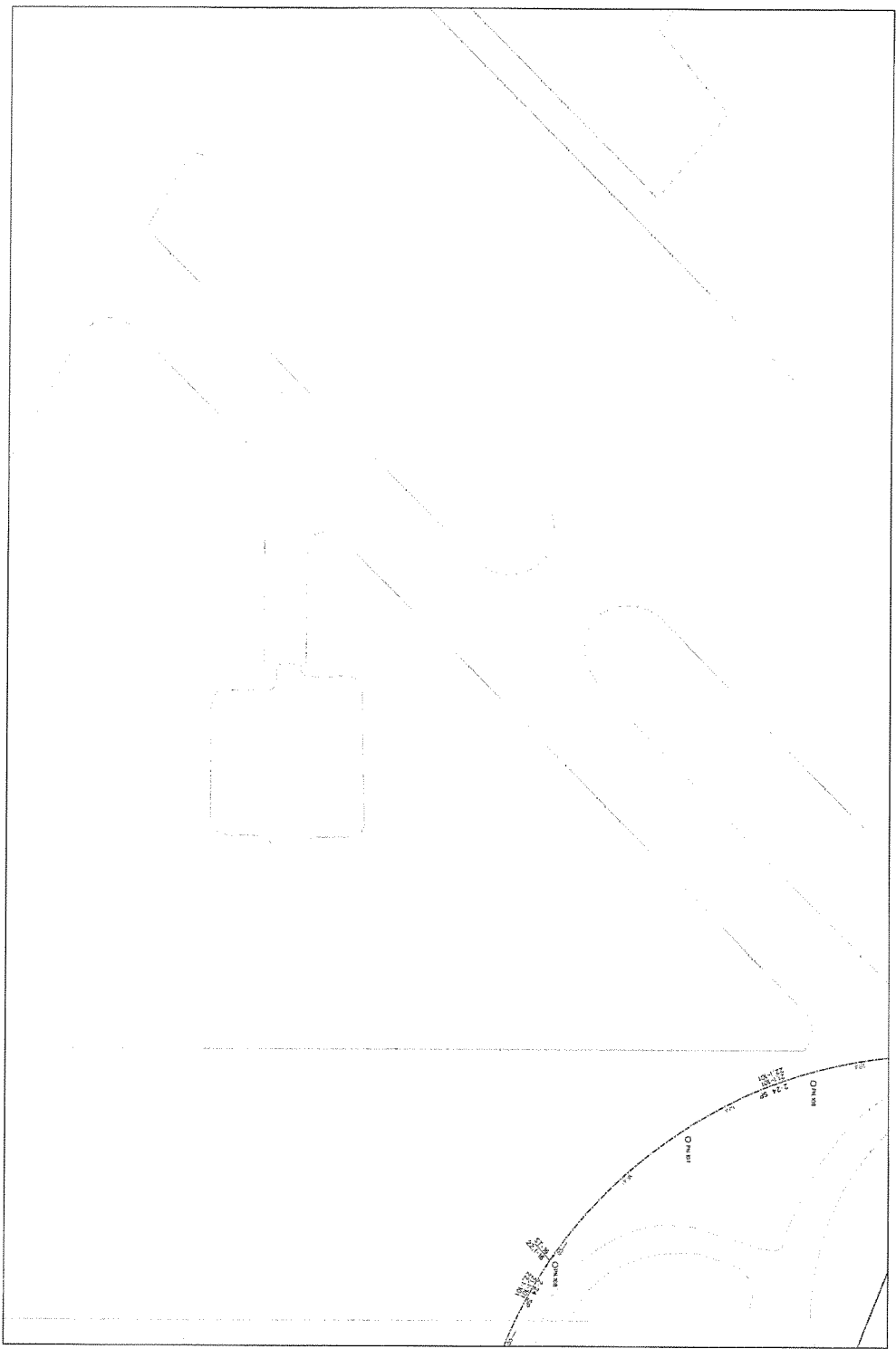


4835060	4835060	4835060
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IF SHEET IS SMALLER THAN 24 X 40, DRAWING IS RECORDED.
 FOR GRAPHIC SCALE FOR RECORDED DRAWING

BSP-OSP-FM-48400560

DATE COMPLETION	NO.	REVISION	BY	DATE
REVISIONS				
AS-BUILT UPDATE AS OF 08-29-2002	NO.	DATE	BY	REASON
AS-BUILT CORRECTION AS OF 09-20-2000	1	09-20-2000		
PROJECT INFORMATION PROJECT NO. 04350-97-0-052 PROJECT NAME OCA350-97-0-052 PROJECT LOCATION CTRM, A0091 LOT 87 & 12B				
CLIENT INFORMATION CLIENT NAME HAWAII INFORMATION TRANSFER SYSTEM CLIENT ADDRESS 1417 S. KAUAI AVENUE CLIENT CITY HONOLULU, HAWAII 96813				
CONTRACT INFORMATION CONTRACT NO. 11-13-2080 CONTRACT DESCRIPTION OUTSIDE PLANT CABLE SYSTEM CONTRACT LOCATION KAPOHELA, OAHU, HAWAII				
FACILITY INFORMATION FACILITY NAME OUTSIDE PLANT FACILITY MAP				

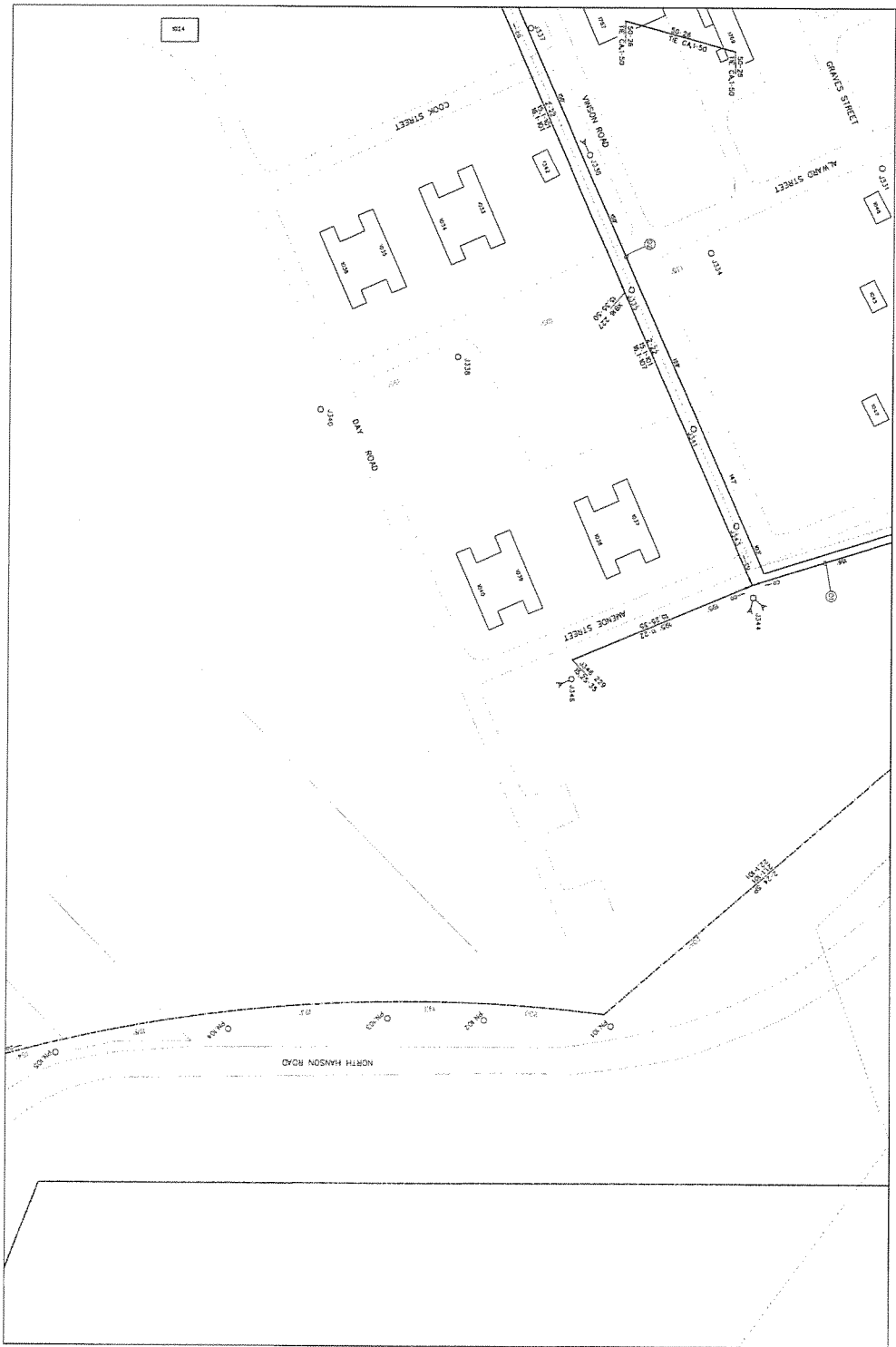


4830000	4830000	4830000	4830000
4830000	4830000	4830000	4830000

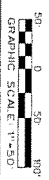
IF SHEET IS SMALLER THAN 24 X 36, INDICATE IS REFERRED TO SHEET 11-15-2000

BSP-OSP-FM-48400590

AS-SHEET LIBRARY AS OF 09-29-2002	AS-SHEET CONDITION AS OF 09-29-2002	DESCRIPTION	PROJECT NO.	DATE	PROJECT
REVISIONS					
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM OUTSIDE PLANT FACILITY MAP					
DATE	BY	DESCRIPTION	APP'D	DATE	BY



① 10' x 10' x 22'
 ② 10' x 10' x 22'
 ③ 10' x 10' x 22'
 ④ 10' x 10' x 22'
 ⑤ 10' x 10' x 22'



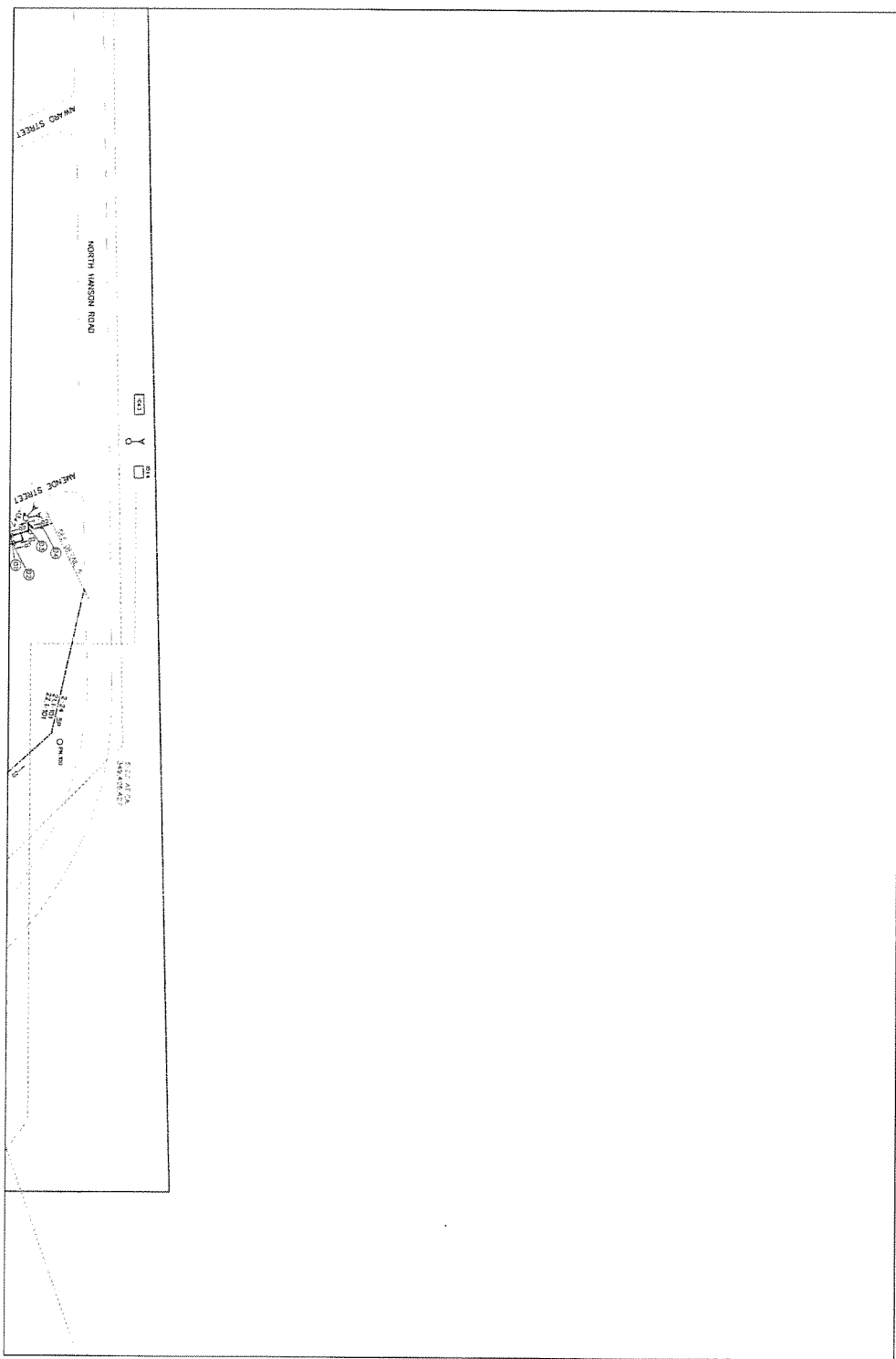
50' 0' 50' 100'
 GRAPHIC SCALE: 1" = 50'
 WATERWAYS

4820000	4840000	4860000	4880000
4820000	4840000	4860000	4880000

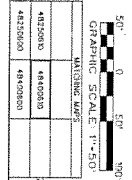
IF SHEET IS SMALLER THAN 24" x 40", PRINTING IS REQUIRED.
 USE GRAPHIC SCALE FOR REDUCED PRINTING.

PROJECT INFORMATION PROJECT NO: 11-15-2000 PROJECT NAME: OUTSIDE PLANT CABLE SYSTEM PROJECT LOCATION: KAPALEI, OAHU, HAWAII	
CLIENT INFORMATION CLIENT: HAWAIIAN TELEPHONE COMPANY PROJECT MANAGER: DEANSON, 97-0-002 CONTACT: KAREN, 4003 ext 89 or 128	
DESIGNER INFORMATION DESIGNER: AT&T PROJECT MANAGER: [Name] PROJECT NUMBER: 11-15-2000	
DATE DATE: AS-BUILT UPDATE AS OF 08-29-2002 DATE: AS-BUILT CONDITION AS OF 07-20-2000	

BSP-OSP-FM-48400600

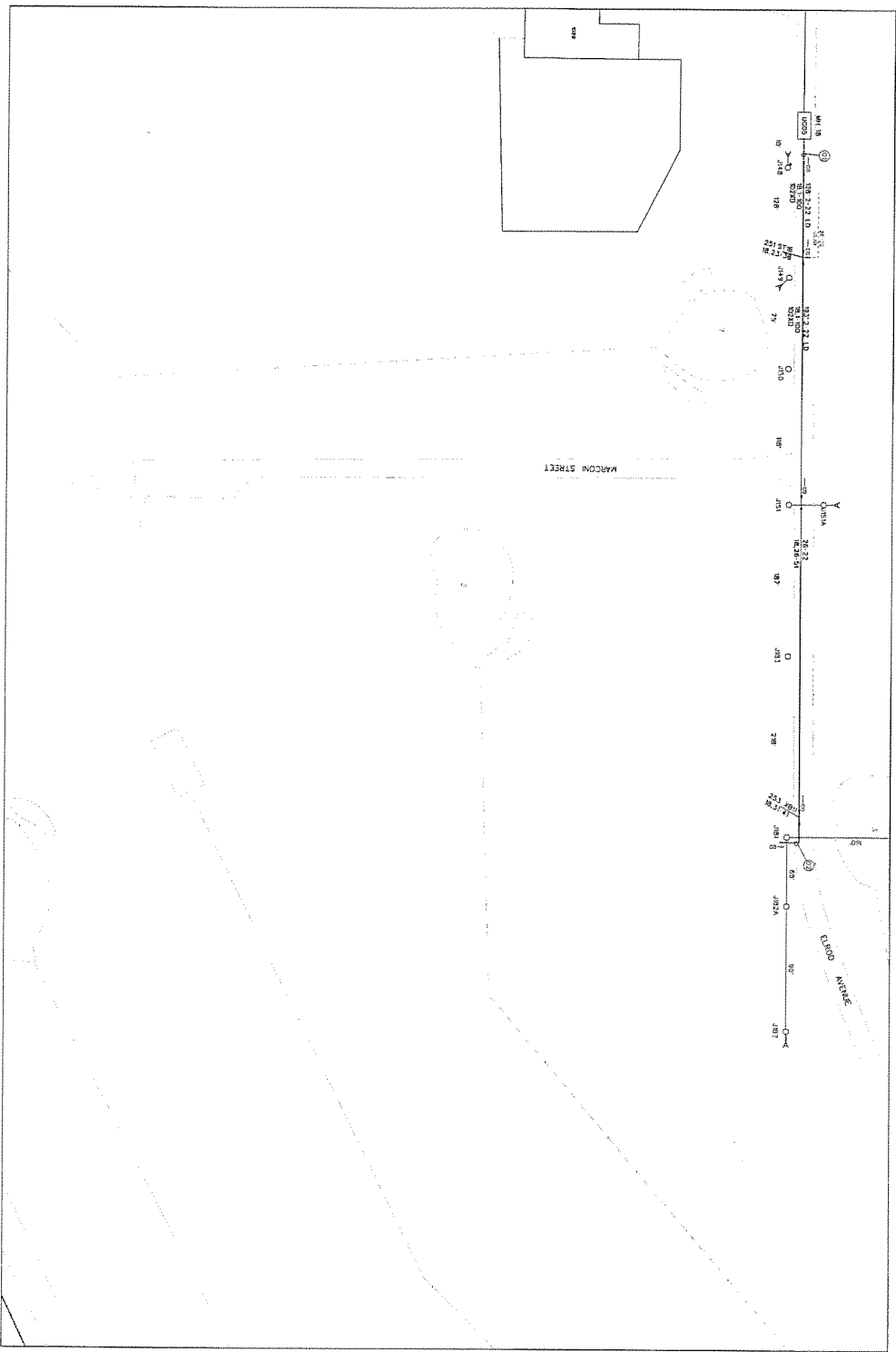


- ① 2'-2 1/2" 100'
- ② 1'-0" 50'
- ③ 1'-0" 50'
- ④ 1'-0" 50'
- ⑤ 1'-0" 50'
- ⑥ 1'-0" 50'
- ⑦ 1'-0" 50'
- ⑧ 1'-0" 50'
- ⑨ 1'-0" 50'
- ⑩ 1'-0" 50'



BSP-OSP-FM-48400610

DATE	02/28/2000	BY	AS	PROJECT	HAWAII INFORMATION TRANSFER SYSTEM
DESCRIPTION	AS-BUILT UPDATE AS OF 02/28/2000	DATE	02/28/2000	PROJECT	HAWAII INFORMATION TRANSFER SYSTEM
SCALE	AS SHOWN	DATE	02/28/2000	PROJECT	HAWAII INFORMATION TRANSFER SYSTEM
SCALE	AS SHOWN	DATE	02/28/2000	PROJECT	HAWAII INFORMATION TRANSFER SYSTEM
SCALE	AS SHOWN	DATE	02/28/2000	PROJECT	HAWAII INFORMATION TRANSFER SYSTEM
SCALE	AS SHOWN	DATE	02/28/2000	PROJECT	HAWAII INFORMATION TRANSFER SYSTEM



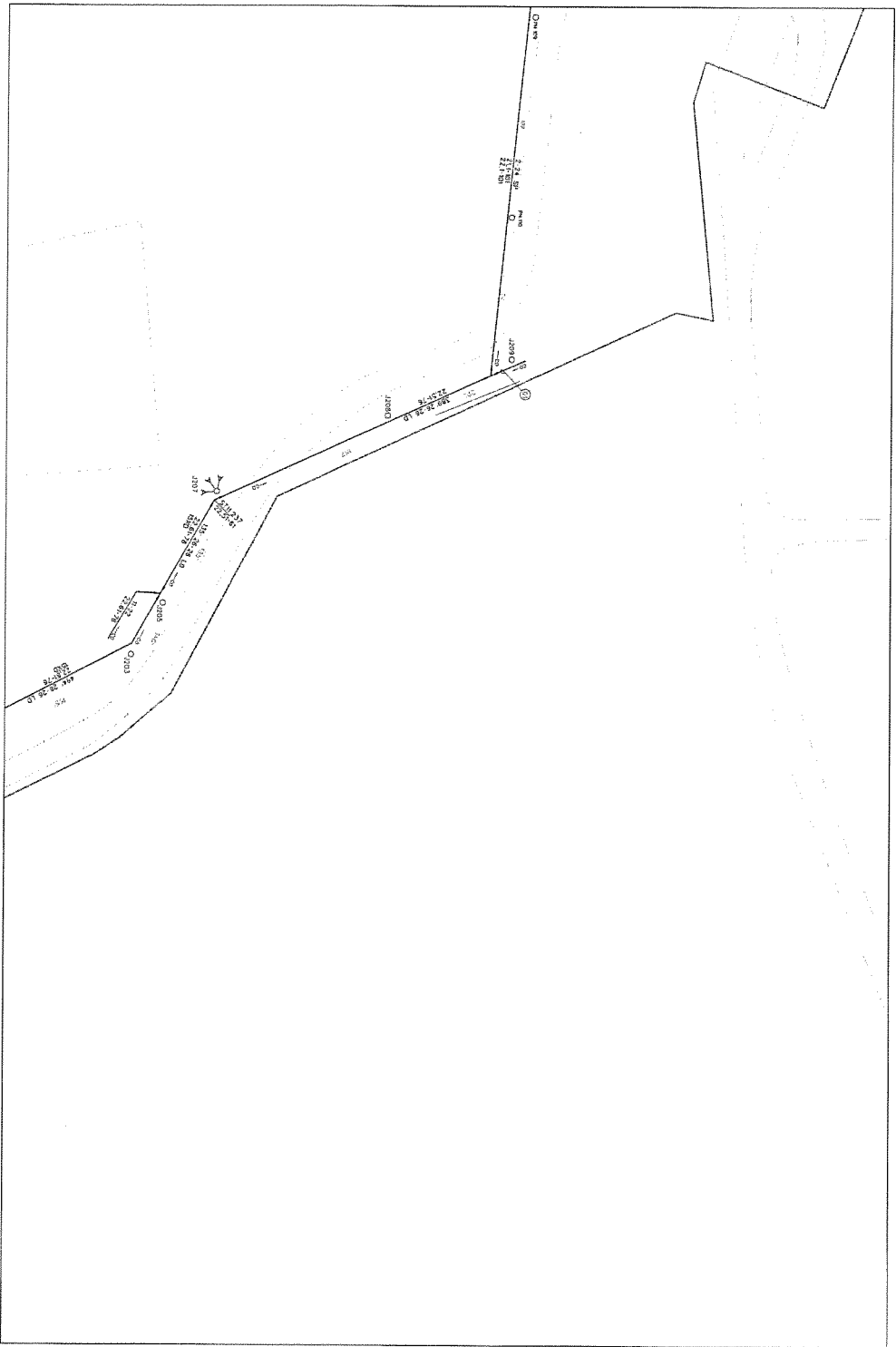
2025.10.10
 2025.10.10
 2025.10.10

50' 0 50' 100'
 GRAPHIC SCALE 1"=250'
 MATCHING MARKS

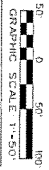
48000000	48000000	48000000
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IF SHEET IS SMALLER THAN 28 X 40, DRAWING IS REDUCED.
 ALL DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE NOTED.
 BSP-OSP-FM-48550560

AS BUILT DRAWING AS OF 08-29-2002	DATE	08-29-2002
AS BUILT DRAWING AS OF 08-29-2002	DATE	08-29-2002
ATTENTION: HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARBERS POINT NAVAL AIR STATION OUTSIDE PLANT CABLE SYSTEM KAUAI, OAHU, HAWAII		
PROJECT NO. DCA3500-97-D-002 CONTRACT NO. CDRP A009 Rev 9/14/28		



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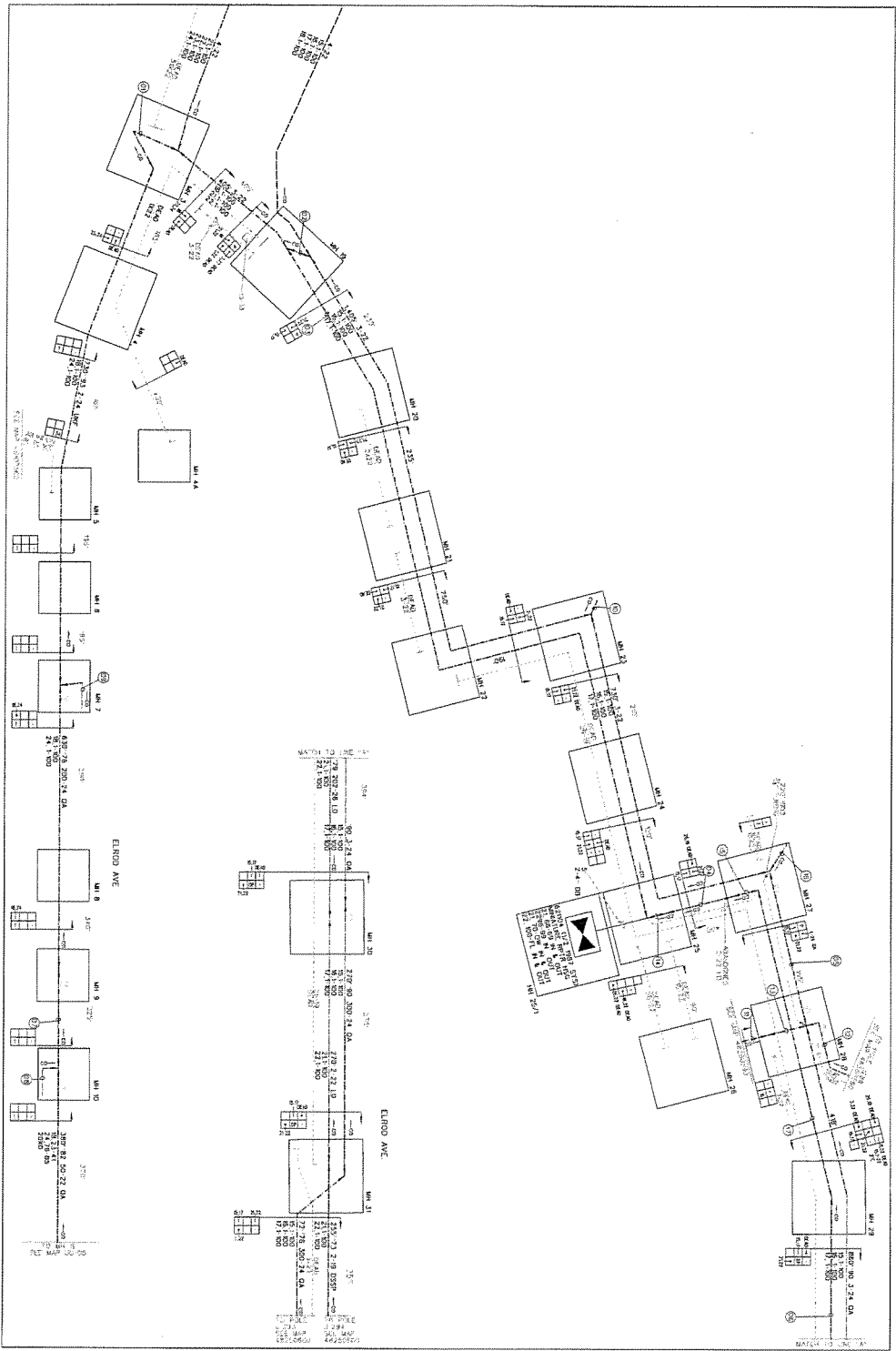


44400000	44400000	44400000
44400000	44400000	44400000
44400000	44400000	44400000

If SHEET 15 SMALLER THAN 28 X 40, DRAWING IS REDUCED.
 USE GRAPHIC SCALE FOR REDUCED DRAWING.

BSP-OSP-FM-48550590

AS BUILT	DATE	BY	CHKD
AS BUILT	08-29-2002		
AS BUILT	08-29-2002		
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT BARRIS RENT HALL AIR STATION OUTSIDE PLANT CABLE SYSTEM KAPALEA, OAHU, HAWAII			
PROJECT NO.: DCA300-97-0-002 DRAWING NO.: 48550590			

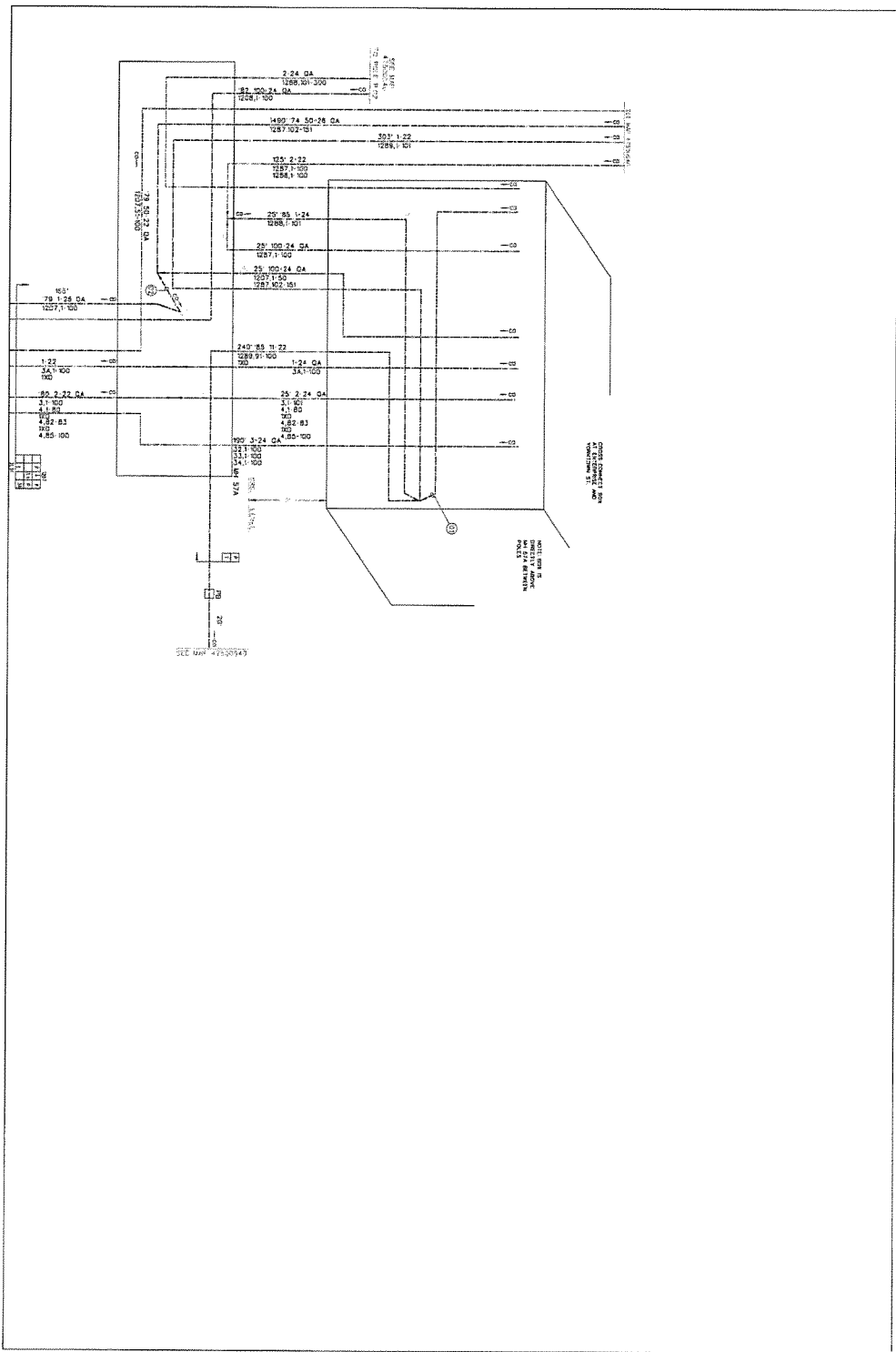


- ① 20' x 24' x 24' RM
- ② 24' x 24' RM
- ③ 24' x 24' RM
- ④ 24' x 24' RM
- ⑤ 24' x 24' RM
- ⑥ 24' x 24' RM
- ⑦ 24' x 24' RM
- ⑧ 24' x 24' RM
- ⑨ 24' x 24' RM
- ⑩ 24' x 24' RM
- ⑪ 24' x 24' RM
- ⑫ 24' x 24' RM
- ⑬ 24' x 24' RM
- ⑭ 24' x 24' RM
- ⑮ 24' x 24' RM
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- ㊿ 24' x 24' RM

MATCHING SHEETS	
05	06
06	07
07	08

IF SHEET IS SMALLER THAN 24 X 48, REVISION IS REQUIRED.
 USE GRAPHIC SCALE FOR REVISIONS.

AS-BUILT UPDATE AS OF 08-29-2002	REVISIONS	DATE	DESCRIPTION
AS-BUILT CONDITION AS OF 08-29-2000			
HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT HAWAII INFORMATION TRANSFER SYSTEM OUTSIDE PLANT CABLE SYSTEM KAPALEA, OAHU, HAWAII			
OUTSIDE PLANT UNDERGROUND MAP DECA001-97-0-002 11/11/97			



NO.	DATE	DESCRIPTION
03	11-15-2000	ISSUED
04	11-15-2000	ISSUED
05	11-15-2000	ISSUED
06	11-15-2000	ISSUED
07	11-15-2000	ISSUED

BSP-OSP-UG-04

IF SHEET IS SMILEY, HAWAIIAN CABLE SYSTEM REGULATIONS IS REQUIRED.

NO.	DATE	DESCRIPTION
03	11-15-2000	ISSUED
04	11-15-2000	ISSUED
05	11-15-2000	ISSUED
06	11-15-2000	ISSUED
07	11-15-2000	ISSUED

REVISIONS:

NO.	DATE	DESCRIPTION
01	11-15-2000	ISSUED
02	11-15-2000	ISSUED
03	11-15-2000	ISSUED
04	11-15-2000	ISSUED
05	11-15-2000	ISSUED
06	11-15-2000	ISSUED
07	11-15-2000	ISSUED

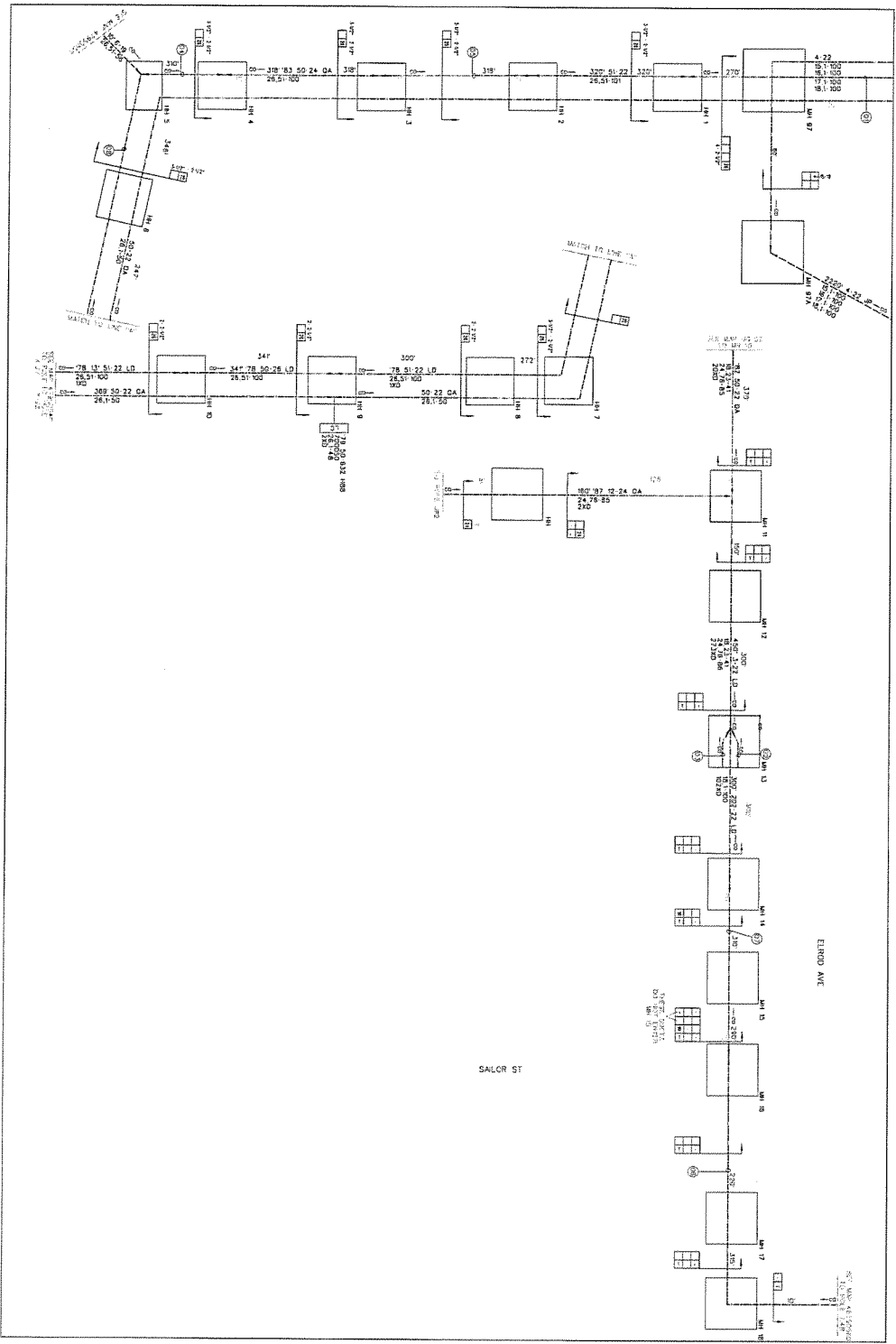
PROJECT INFORMATION:

NO.	DATE	DESCRIPTION
01	11-15-2000	ISSUED
02	11-15-2000	ISSUED
03	11-15-2000	ISSUED
04	11-15-2000	ISSUED
05	11-15-2000	ISSUED
06	11-15-2000	ISSUED
07	11-15-2000	ISSUED

PROJECT INFORMATION:

PROJECT NO.: BSP-OSP-UG-04
 PROJECT TITLE: HAWAIIAN CABLE SYSTEM
 PROJECT LOCATION: HAWAIIAN ISLANDS
 PROJECT OWNER: HAWAIIAN CABLE SYSTEM
 PROJECT MANAGER: [Name]
 PROJECT ENGINEER: [Name]

03 11-15-2000
 04 11-15-2000
 05 11-15-2000
 06 11-15-2000
 07 11-15-2000

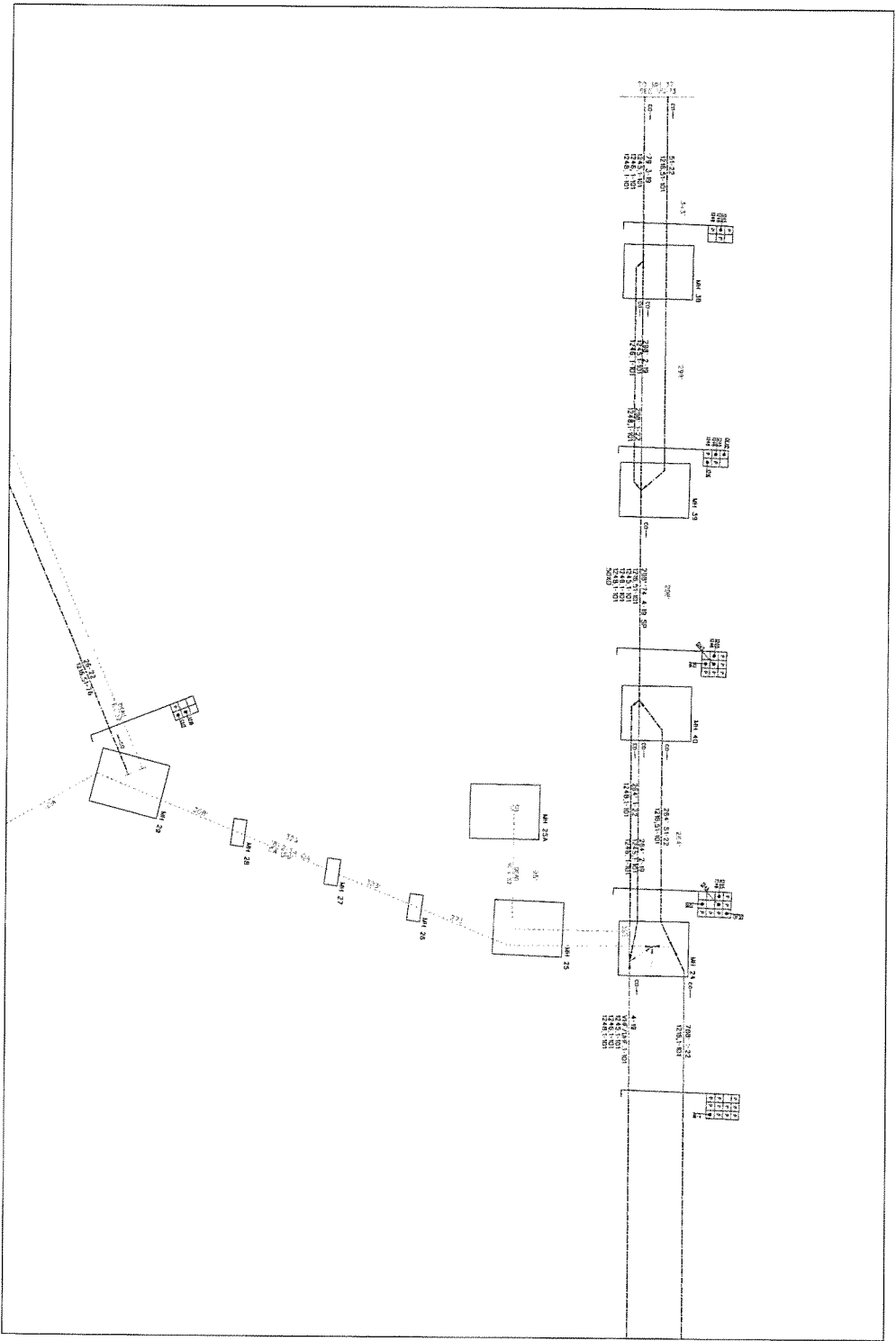


WAITING AREA	01	02
	05	08
	11	14

IF PART IS SMALLER THAN 24 X 48, REMAINING IS INDICATED
 BSP-OSP-UC-05

- ① 51-08
- ② 51-08
- ③ 51-08
- ④ 51-08
- ⑤ 51-08
- ⑥ 51-08
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- ⑧ 51-08
- ⑨ 51-08
- ⑩ 51-08
- ⑪ 51-08
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- ⑬ 51-08
- ⑭ 51-08
- ⑮ 51-08
- ⑯ 51-08
- ⑰ 51-08
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- ⑲ 51-08
- ⑳ 51-08
- ㉑ 51-08
- ㉒ 51-08
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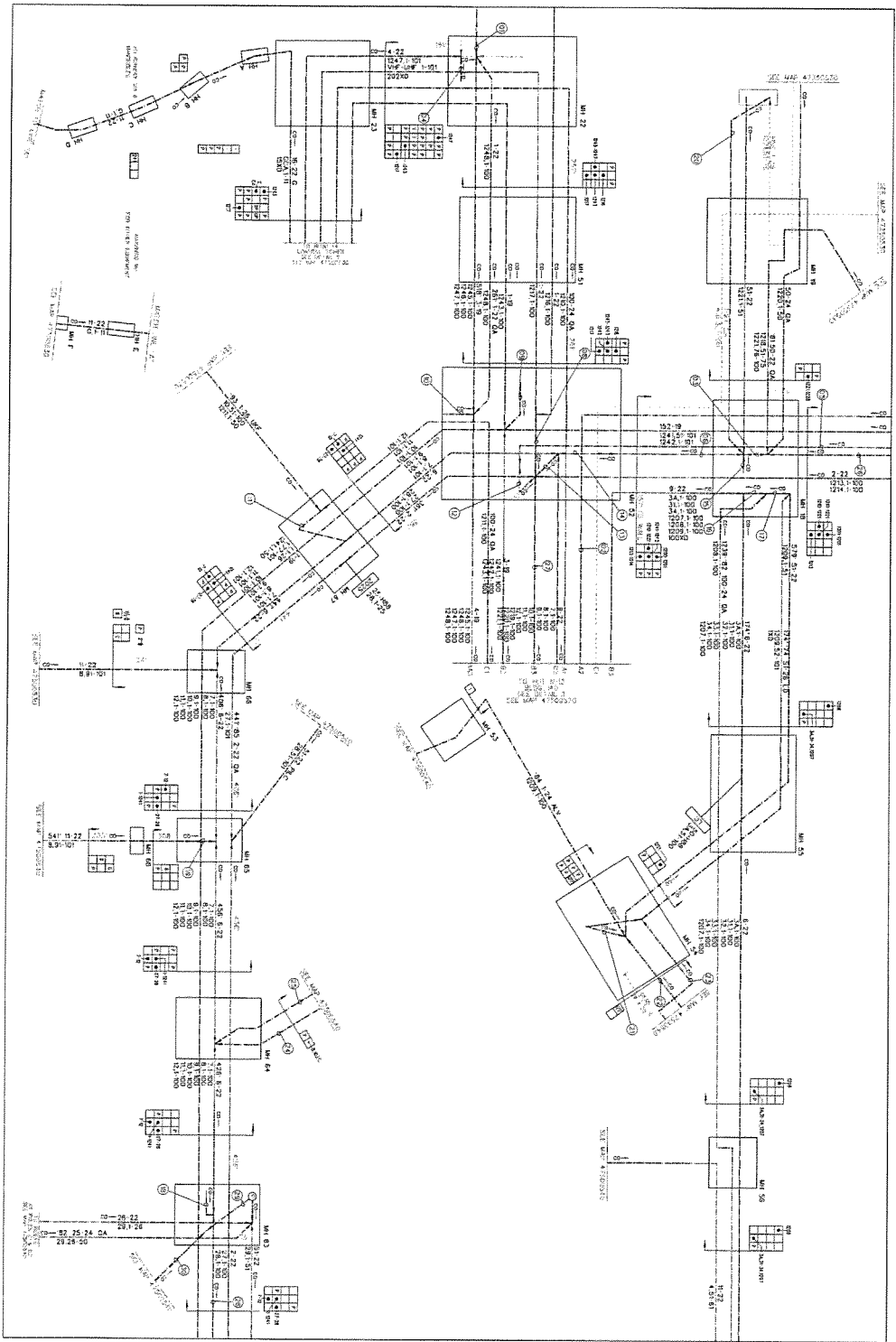
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99	11-15-80			REVISIONS
100	11-15-80			REVISIONS



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01	WORKING DRAWING
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THIS SPECIFICATION IS SUBJECT TO THE HAWAIIAN GOVERNMENT'S POLICY ON REDUCED RISKING.
 BSP-OSP-UG-06

PROJECT TITLE	OSP-OSP-UG-06
PROJECT NUMBER	OSP-OSP-UG-06
PROJECT LOCATION	HAWAII
PROJECT DESCRIPTION	HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT
PROJECT STATUS	OUTSIDE PLANT CABLE SYSTEM
PROJECT OWNER	NAVY
PROJECT MANAGER	NAVY
PROJECT CONTACT	NAVY
PROJECT DATE	06/30/97
PROJECT TYPE	CONSTRUCTION
PROJECT RISK	NONE
PROJECT ID	OSP-OSP-UG-06
PROJECT CODE	OSP-OSP-UG-06
PROJECT REFERENCE	OSP-OSP-UG-06
PROJECT NOTES	



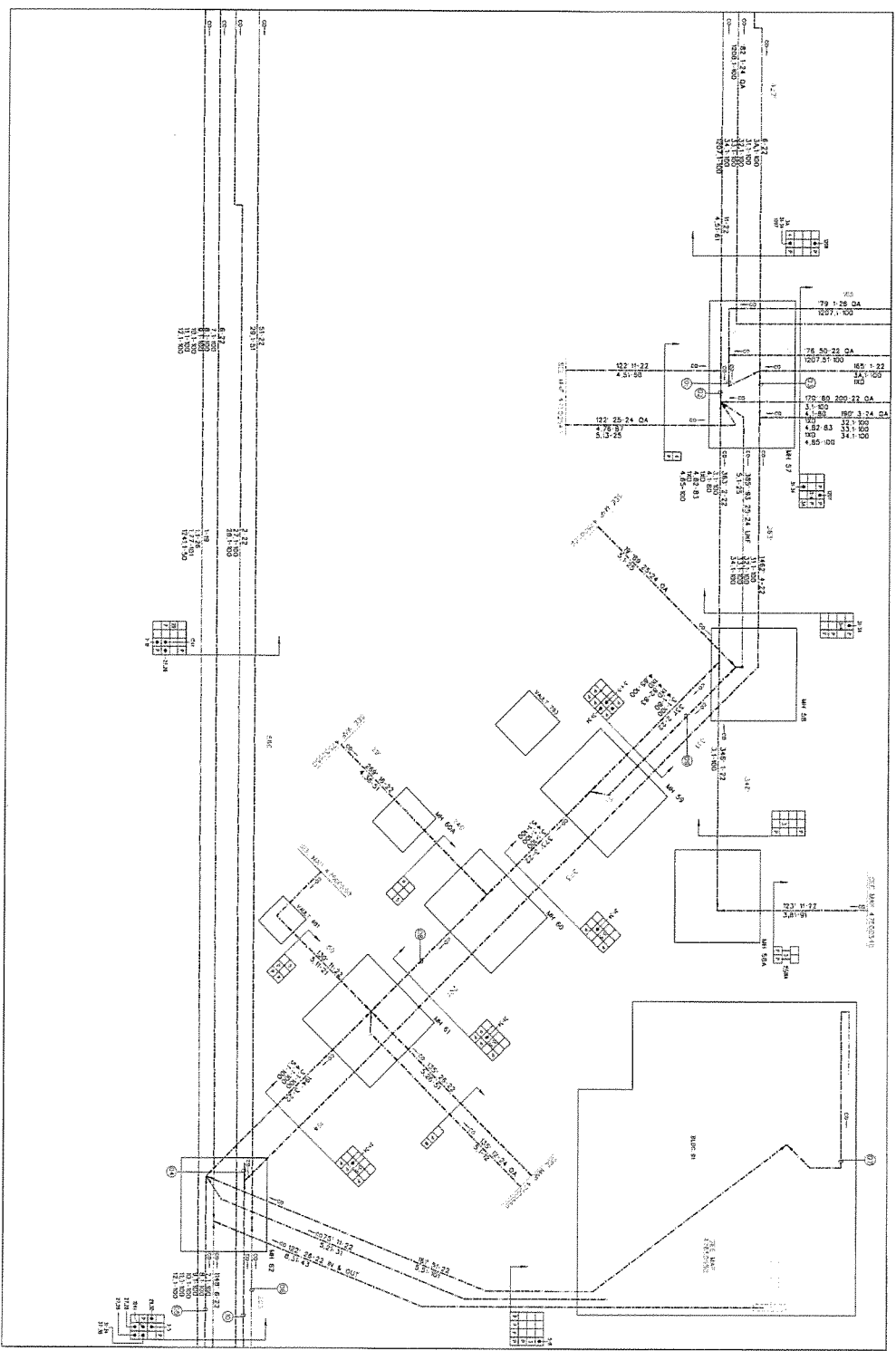
DATE	DESCRIPTION
02	03
06	07
08	09
10	11

IF SHEET IS SMALLER THAN 28 x 40, DRAWING IS REDUCED
 TO ORIGINAL SCALE FOR DETAIL DRAWING
BSP-OSP-UG-07

REVISIONS	
NO.	DATE
1	08-20-2002
2	08-20-2002
3	08-20-2002
4	08-20-2002
5	08-20-2002
6	08-20-2002
7	08-20-2002
8	08-20-2002
9	08-20-2002
10	08-20-2002

DATE: 08-20-2002
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT: BARRERS POINT NAVAL AIR STATION
 SYSTEM: OUTSIDE PLANT CABLE SYSTEM
 SHEET: 07 OF 100
 DRAWING NO: DCA400-97-0-002
 SHEET NO: 07 OF 100
 SCALE: AS SHOWN
 PROJECT: BARRERS POINT NAVAL AIR STATION
 SYSTEM: OUTSIDE PLANT CABLE SYSTEM
 SHEET: 07 OF 100
 DRAWING NO: DCA400-97-0-002
 SHEET NO: 07 OF 100
 SCALE: AS SHOWN

- ① 4.18 100' 100'
- ② 4.18 100' 100'
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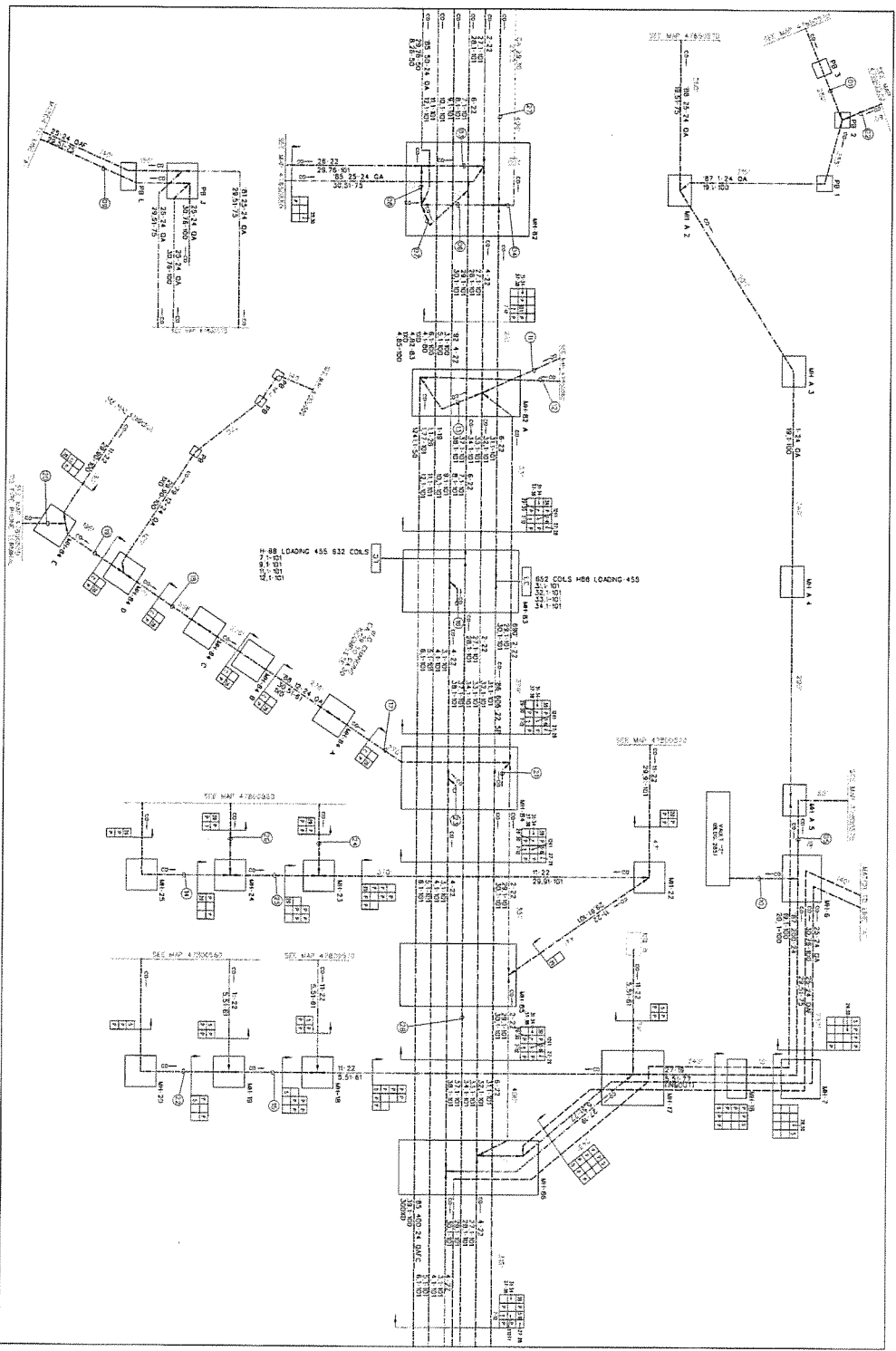


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IF SHEET IS SMALLER THAN 28 X 40, GRAPHIC IS REDUCED.
 BSP-OSP-UG-08

ASSEMBLY ORIGINATOR: AS OF 08-28-2009	PROJECT NO: 08-28-2009	
ASSEMBLY CONDITION: AS OF 10-28-2009	REVISION: 01	
REVISIONS		
NO	DATE	DESCRIPTION
01	08-28-2009	INITIAL RELEASE
02	10-28-2009	REVISION 01
PROJECT INFORMATION		
PROJECT NAME	HAWAII INFORMATION TRANSFER SYSTEM	
PROJECT NO.	08-28-2009	
PROJECT LOCATION	BARBERS POINT NAVAL AIR STATION	
PROJECT STATUS	OUTSIDE PLANT CABLE SYSTEM	
PROJECT TYPE	OUTSIDE PLANT UNDERGROUND WAP	
PROJECT DRAWING NO.	08-28-2009-97-D-002	
PROJECT DRAWING TITLE	NONE	
PROJECT DRAWING NO.	08-28-2009-97-D-002	
PROJECT DRAWING TITLE	NONE	

- ① 101-100
- ② 2-21
- ③ 4-21
- ④ 1-100
- ⑤ 1-100
- ⑥ 1-100
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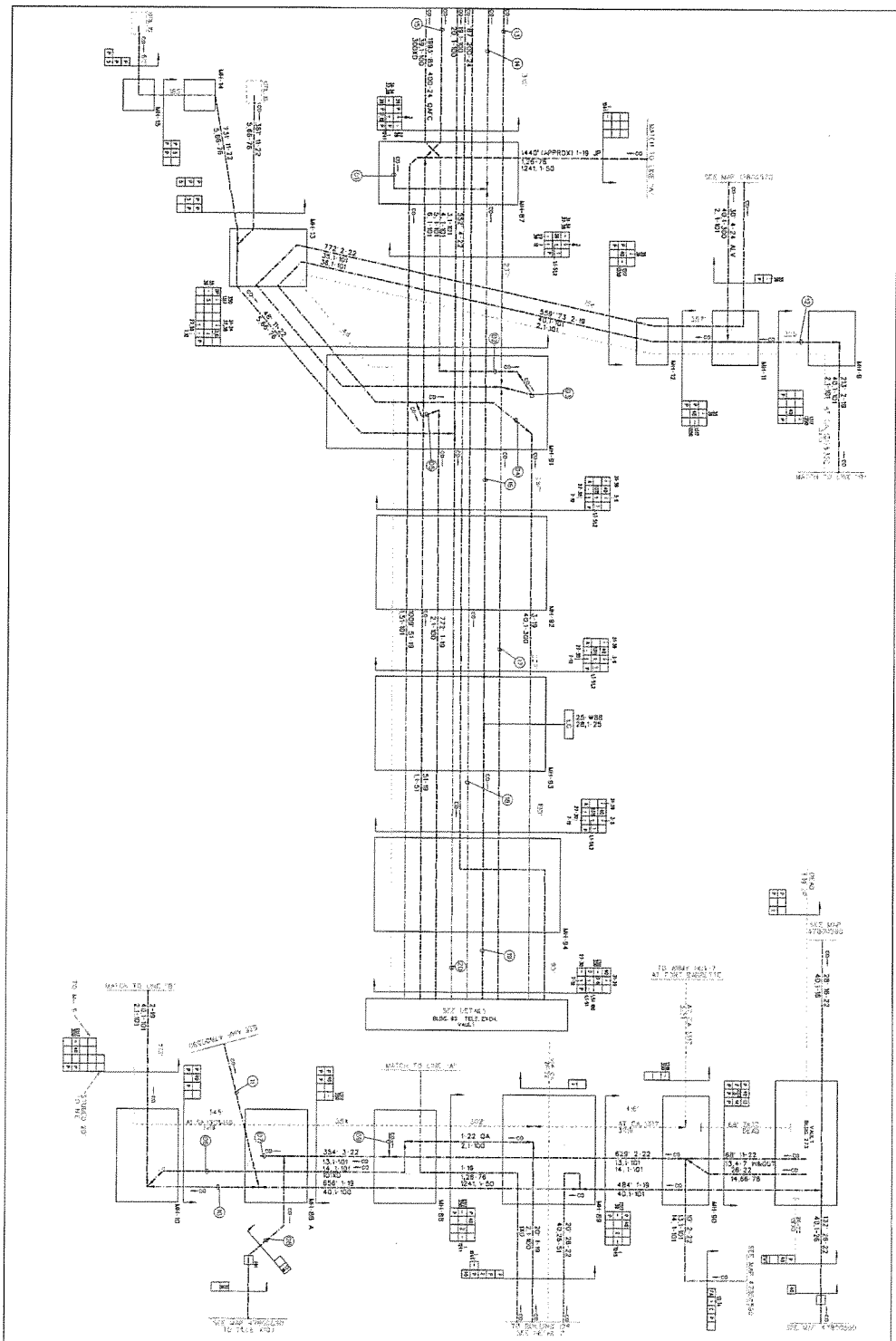


09	10	11
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IF SUBJECT IS FOUND TO BE WORKING IS REDUCED.
 US-OPERATING SCHEMATIC INFORMATION
 BSP-OSP-UG-10

DATE	DESCRIPTION	BY	CHKD
08-29-2002	AS-BUILT UPDATE AS OF 08-29-2002		
09-20-2000	AS-BUILT CONDITION AS OF 09-20-2000		
1514 315 11-15-2000 11-15-2000			
HAWAII INFORMATION TRANSFER SYSTEM OUTSIDE PLANT UNDERGROUND MAP			
DATE	DESCRIPTION	BY	CHKD
08-29-2002	AS-BUILT UPDATE AS OF 08-29-2002		
09-20-2000	AS-BUILT CONDITION AS OF 09-20-2000		
1514 315 11-15-2000 11-15-2000			
HAWAII INFORMATION TRANSFER SYSTEM OUTSIDE PLANT UNDERGROUND MAP			

- ① 201.24 OA
- ② 200.24 OA
- ③ 17.24 OA
- ④ 16.24 OA
- ⑤ 15.24 OA
- ⑥ 14.24 OA
- ⑦ 13.24 OA
- ⑧ 12.24 OA
- ⑨ 11.24 OA
- ⑩ 10.24 OA
- ⑪ 9.24 OA
- ⑫ 8.24 OA
- ⑬ 7.24 OA
- ⑭ 6.24 OA
- ⑮ 5.24 OA
- ⑯ 4.24 OA
- ⑰ 3.24 OA
- ⑱ 2.24 OA
- ⑲ 1.24 OA
- ⑳ 0.24 OA

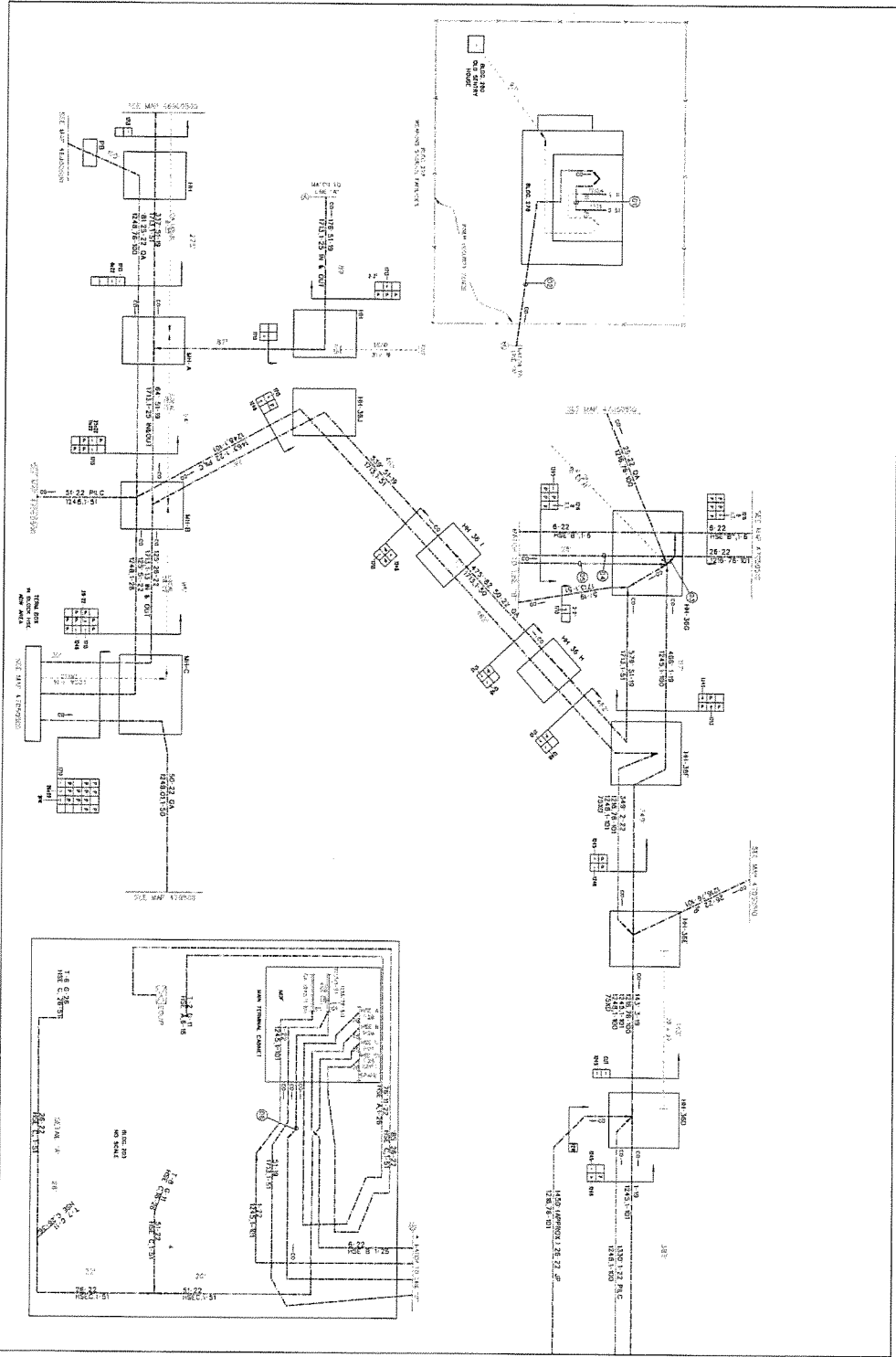


- ① 20-22
- ② 1-2 0A
- ③ 1-2 0A
- ④ 201 0A
- ⑤ 201 0A
- ⑥ 201 0A
- ⑦ 201 0A
- ⑧ 201 0A
- ⑨ 201 0A
- ⑩ 201 0A
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IF CORRECTION IS SMALLER THAN 78% NO. WORKING IS REQUIRED.

ASSEMBLY UPDATE AS OF 08-28-2002				
ASSEMBLY COMPLETION AS OF 10-20-2000				
REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHKD.
1	08-28-2002	ASSEMBLY UPDATE
2	11-15-2000	ASSEMBLY UPDATE
HAWAII INFORMATION TRANSFER SYSTEM				
BARRIER POINT WAVE AIR STATION				
OUTSIDE PLANT UNDERGROUND MAP				
DRAWING NO. DCARD-97-0-002				
DATE 11-15-2000				
DRAWN BY: ...				
CHECKED BY: ...				
SCALE: NONE				
PROJECT: ...				
SHEET NO. 128				



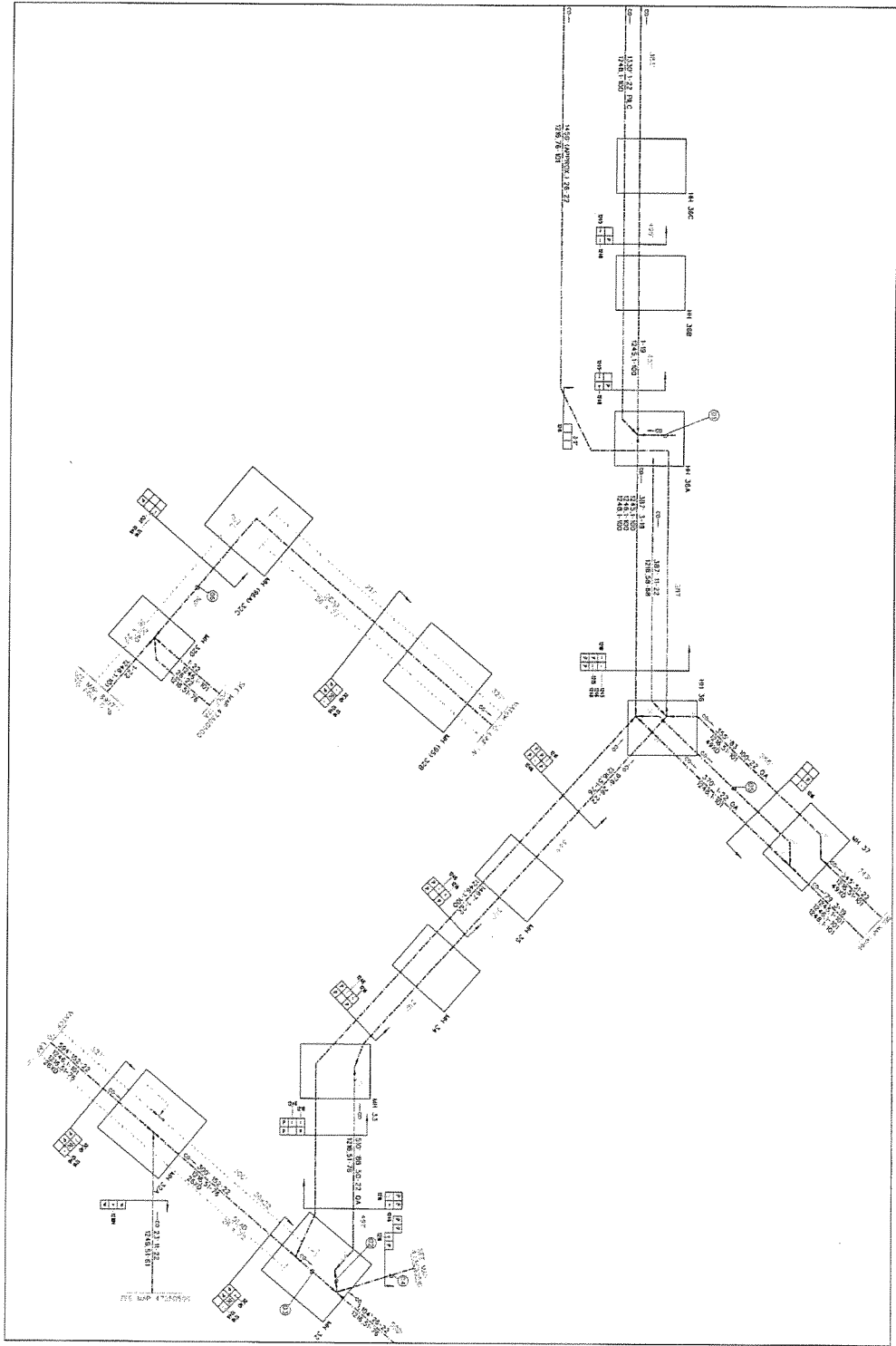
WATERING MANS	5
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IS CABLE TO BE RUN PER PLAN 24.4. NO MARKING IS REQUIRED.
 USE CABLES AS SHOWN AND REFER TO DRAWING.

BSP-OSP-UG-12

DATE	DESCRIPTION	BY	CHKD
08-28-2002	AS-BUILT UPDATE AS OF 08-28-2002		
06-20-2000	AS-BUILT CONDITION AS OF 06-20-2000		
	REVISIONS	DATE	BY
11-15-2000	HAWAII INFORMATION TRANSFER SYSTEM		
11-15-2000	UPGRADE FROM NVAE AIR STATION		
11-15-2000	OUTSIDE PLANT UNDERGROUND WAF		
11-15-2000	AMFUEL, DATA INVAUL		
	SYSTEM		
	DATE	BY	CHKD
	DATE	BY	CHKD
	DATE	BY	CHKD

- ① 12-2
- ② 14-3
- ③ 16-3
- ④ 18-3
- ⑤ 20-3
- ⑥ 22-3
- ⑦ 24-3
- ⑧ 26-3
- ⑨ 28-3
- ⑩ 30-3
- ⑪ 32-3
- ⑫ 34-3
- ⑬ 36-3
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- ⑱ 46-3
- ⑲ 48-3
- ⑳ 50-3



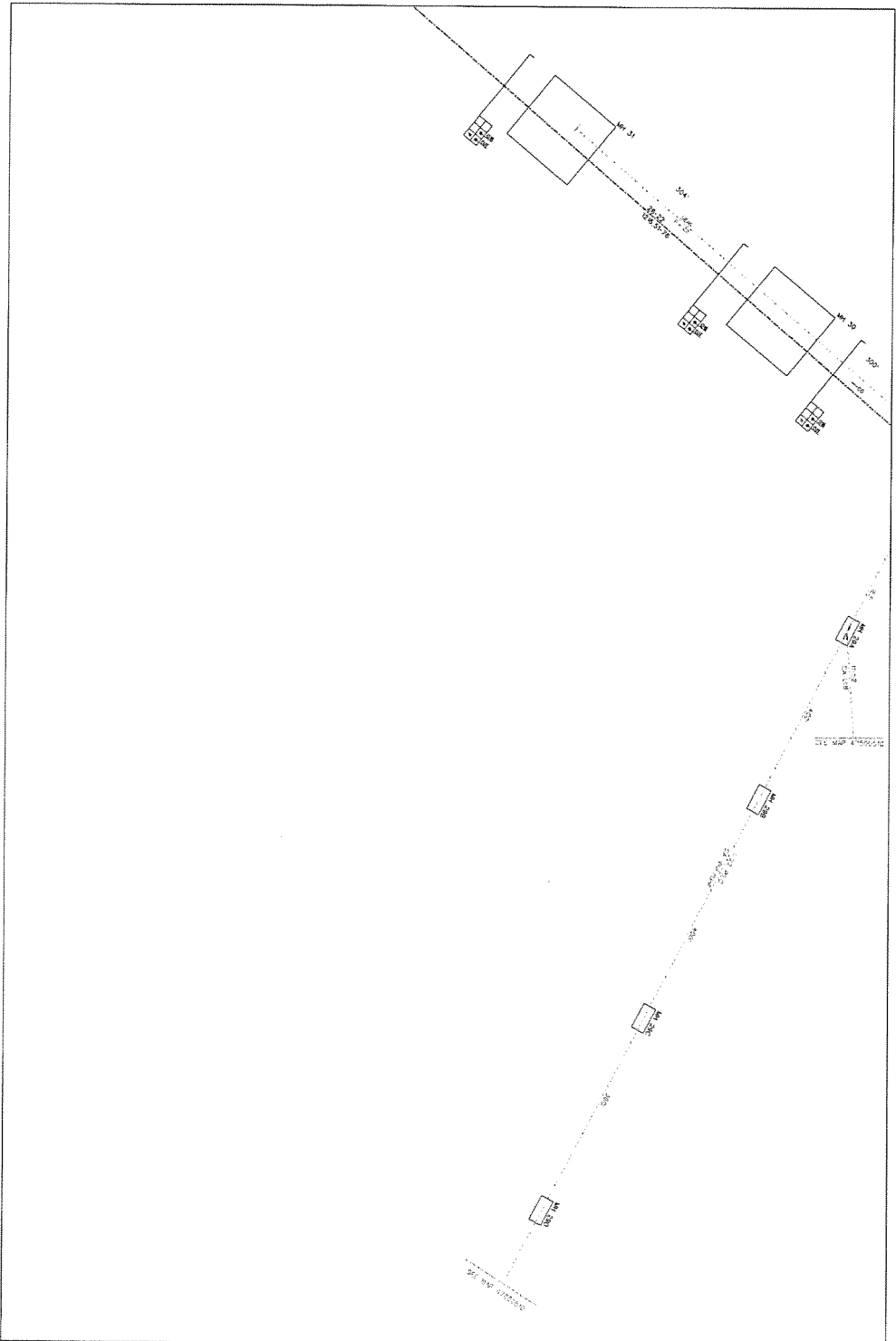
- ① 2-22
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USE OF THIS DRAWING IS LIMITED TO THE PROJECT FOR WHICH IT IS ISSUED. ANY OTHER USE WITHOUT THE WRITTEN PERMISSION OF THE CONTRACTOR IS PROHIBITED.

NO.	DATE	DESCRIPTION	BY	CHKD.
1	11-15-2000	AS-BUILT UPDATE AS OF 08-28-2002		
2	11-15-2000	AS-BUILT CORRECTION AS OF 10-20-2000		
REVISIONS				
1	11-15-2000	AS-BUILT UPDATE AS OF 08-28-2002		
2	11-15-2000	AS-BUILT CORRECTION AS OF 10-20-2000		
3	11-15-2000	AS-BUILT CORRECTION AS OF 10-20-2000		
11151 CONTRACT HAWAII INFORMATION TRANSFER SYSTEM BARRBERS POINT NAVAL AIR STATION OUTSIDE P-ANT UNDERGROUND MAP CONTRACT NO. DCA100-97-0-002 DRAWING NO. 14-300-128				

BSP-OSP-UG-13



05	06	07
12	14	

THIS SHEET IS SMALLER THAN AS SHOWN IN THE DRAWING IS REDUCED.
 THE SCALE OF THIS SHEET FOR REDUCED DRAWING IS:
BSP-OSP-UG-14

DATE COMPLETED	BY	CHK'D BY	APP'D BY
TITLE: OUTSIDE PLANT UNDERGROUND MAP PROJECT: OUTSIDE PLANT CABLE SYSTEM CONTRACT: HAWAII INFORMATION TRANSFER SYSTEM (HITS) CONTRACT CONTRACT NO.: 00A350-91-0-002 DRAWING NO.: 00A350-91-0-002 SHEET NO.: 12 OF 23 SCALE: AS SHOWN DRAWN BY: W. J. BROWN CHECKED BY: W. J. BROWN DATE: 11-15-2000 PROJECT LOCATION: BARBERS POINT NAVAL AIR STATION, HAWAII CONTRACTOR: AT&T DRAWING TITLE: OUTSIDE PLANT CABLE SYSTEM DRAWING NO.: 00A350-91-0-002 SHEET NO.: 12 OF 23 SCALE: AS SHOWN DRAWN BY: W. J. BROWN CHECKED BY: W. J. BROWN DATE: 11-15-2000 PROJECT LOCATION: BARBERS POINT NAVAL AIR STATION, HAWAII CONTRACTOR: AT&T			