

HWY-DD/
Wesley Segawa & Assoc.
DESIGNED BY

HWY-DD
MANAGED BY

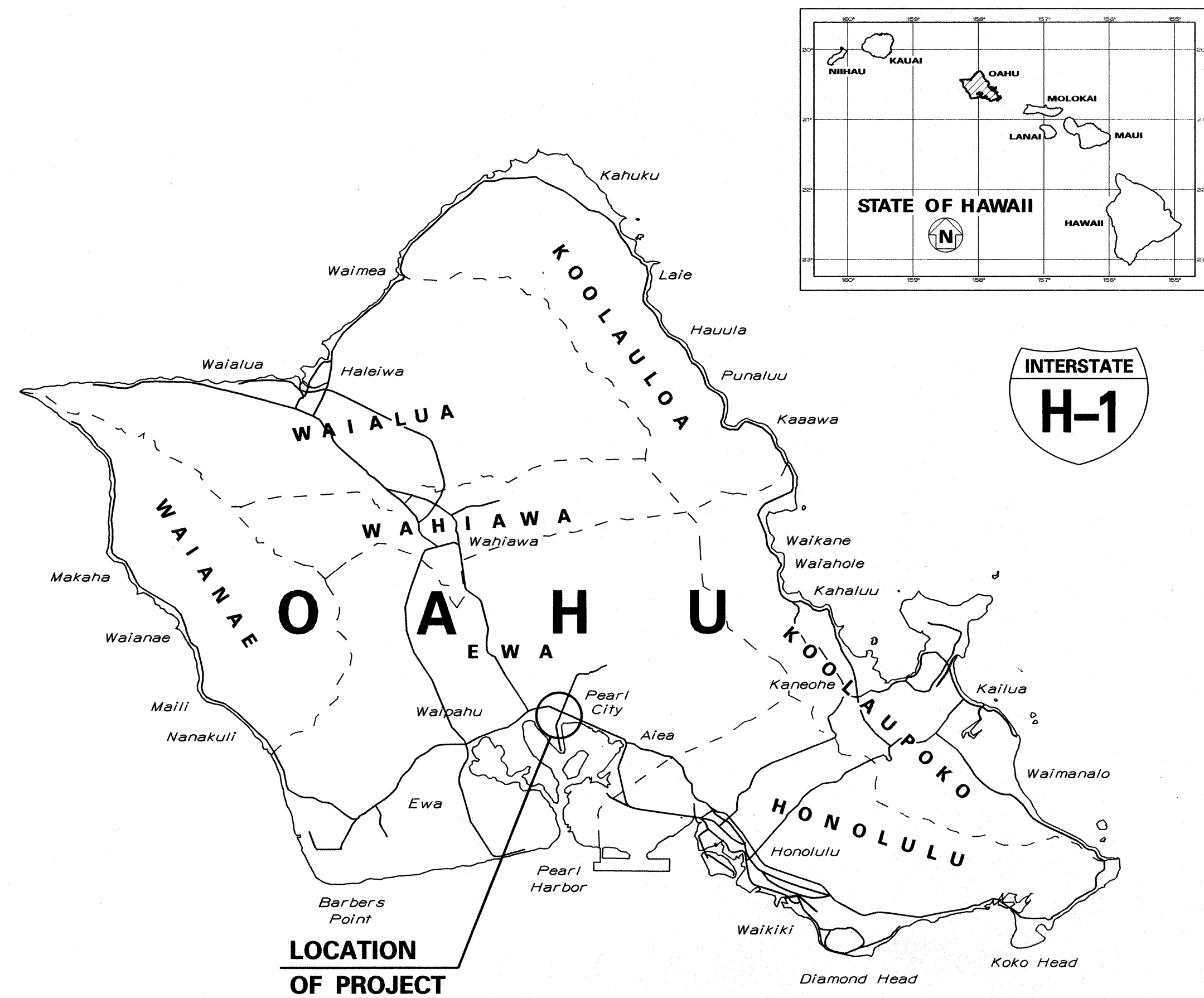
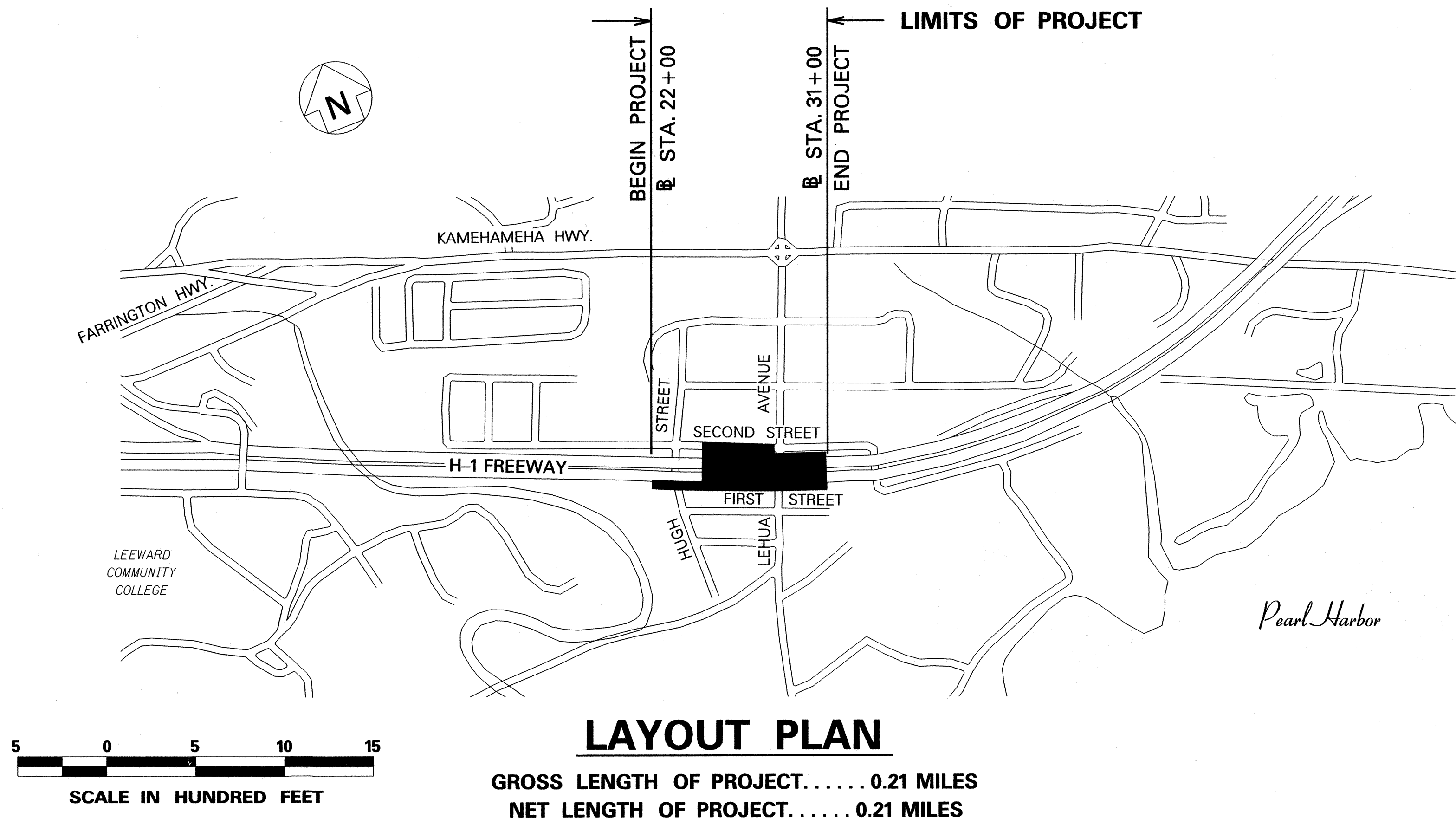
692-7570
PHONE

MAY 2016
DATE

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII

PLANS FOR
**COMMERCIAL DRIVER'S LICENSE
AND MOTORCYCLE LICENSE TESTING
FACILITY EXAMINATION SITE
AND OFFICE RENOVATION**
BENEATH INTERSTATE ROUTE H-1 PEARL CITY VIADUCT
PROJECT NO. HWY-O-08-14



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-08-14	2016	ADD. 1	88

APPROVED:

for M. 78 6/3/2016
DIRECTOR, DEPT. OF PLANNING & PERMITTING DATE
(For work in City R/W only)

5/25/16	Dept. of Planning and Permitting Approval Signature	APPROVED:	5-9-16
DATE	REVISION	DIR. OF TRANSPORTATION	DATE

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 5	88

CONSTRUCTION NOTES FOR WORK WITHIN CITY R/W

1.

All applicable construction work shall be done in accordance with the Standard Specifications for Public Works Construction, September 1986 and Standard Details for Public Works Construction, September 1984, as amended, of the Department of Public Works, City and County of Honolulu and the Counties of Kauai, Maui, and Hawaii.
2.

The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating the area. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
3.

No Contractor shall perform any construction operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow into existing City drainage systems, or adjoining properties, streets or natural watercourses. Should such violations occur, the Contractor may be cited and the Contractor shall immediately make all remedial actions necessary.
4.

The Contractor shall be responsible for conformance with applicable provisions of the Hawaii Administrative Rules, Title 11, Chapter 54, "Water Quality Standards," and Title 11, Chapter 55, "Water Pollution Control", as well as Chapter 14 of the Revised Ordinances of Honolulu, as amended. Best Management Practices shall be employed at all times during construction.

The Contractor shall obtain National Pollutant Discharge Elimination System (NPDES) Permit coverage(s) for the following:

1.

Storm water discharges associated with construction activities that disturb one (1) acre or more, and
2.

Discharges of hydrotesting effluent, dewatering effluent, and well drilling effluent to state waters.

In accordance with State law, all discharges related to project construction or operations are required to comply with State Water Quality Standards (Hawaii Administrative Rules, Chapter 11-54). Best Management Practices shall be used to minimize or prevent the discharge of sediment, debris, and other pollutants to State waters. Permit coverage is available from the Department of Health, Clean Water Branch at <http://health.hawaii.gov/cwb>. The Contractor is responsible for obtaining other Federal, State, or local authorizations as required by law.

5.

The Contractor shall notify the Civil Engineering Branch, D.P.P. at 768-8084 to arrange for inspectional services and submit two (2) sets of approved Construction Plans seven (7) days prior to commencement of construction work.

6.

The Contractor may submit a substitution request to precast any City owned and/or maintained drainage structure (ex., catch basins, drain manholes, drain inlets, culverts, etc). However, prior to construction and installation of any precast structure, the Contractor shall a) submit six (6) sets of shop drawings to the Civil Engineering Branch, Department of Planning and Permitting at 768-8084 to arrange for inspectional services. Non-compliance with any of these requirements shall mean immediate suspension of all precast construction work and rejection of all precast structures already constructed.

7.

Confined Space

For entry by City personnel, including inspectors, into a permit required confined space as defined in 29 CFR Part 1910.146(b), the Contractor shall be responsible for providing:

- I.

All safety equipment required by the confined space regulations applicable to all parties other than the construction industry, to include, but not limited to, the following:

a.

Full body harnesses for up to two personnel.

b.

Lifeline and associated clips.

c.

Ingress/egress and fall protection equipment.

d.

Two-way radios (walkie-talkies) if out of line-of-sight.

e.

Emergency (escape) respirator (10 minute duration).

f.

Cellular telephone to call for emergency assistance.

g.

Continuous gas detector (calibrated) to measure oxygen, hydrogen sulfide, carbon monoxide and flammables (capable of monitoring at a distance at least 20-feet away).

h.

Personal multi-gas detector to be carried by inspector.

II.

Continuous forced air ventilation adequate to provide safe entry conditions.

III.

One attendant/rescue personnel topside (two, if conditions warrant it).

8.

Pursuant to Chapter 6E, HRS, in the event any artificats or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the Honolulu Police Department, the State Department of Land and Natural Resources - Historic Preservation Division (692-8015). In addition, the Contractor shall inform the Civil Engineering Branch, Department of Planning and Permitting (768-8084).

9.

For projects abutting State Highways' rights-of way, the owner or his authorized representative shall notify the State Department of Transportation, Highways Division, Oahu District, Drainage Discharge Unit at 831-6793 for an assessment of State highways permit requirements.

10.

For Bench Mark, see Plan Sheet No. 13.

1

EROSION CONTROL AND BEST MANAGEMENT PRACTICES FOR WORK WITHIN CITY R/W:

1.

Provide grass stabilization of all pervious disturbed areas within the City and County of Honolulu right of way. Follow the requirements of HAR 11-55 for deadlines to initiate and complete stabilization. Grassing of these areas shall not be paid for separately, but shall be considered incidental to the contract items.
2.

There shall be no stockpiling of materials on impervious surfaces within the City and County of Honolulu right of way.

1

 5/19/16 Added Notes for Erosion Control and Best Management Practices for work within City R/W.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & LEGEND

COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-0-08-14

Scale: N.T.S. Date: May 2016

SHEET No. 3 OF 3 SHEETS

ADD. 5

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
NOTE BOOK	CHECKED BY	
	NO.	

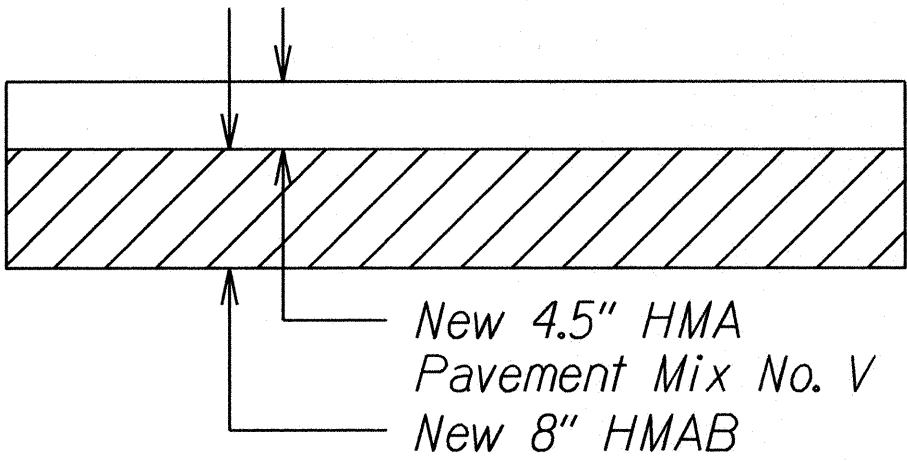
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 APPROVED:

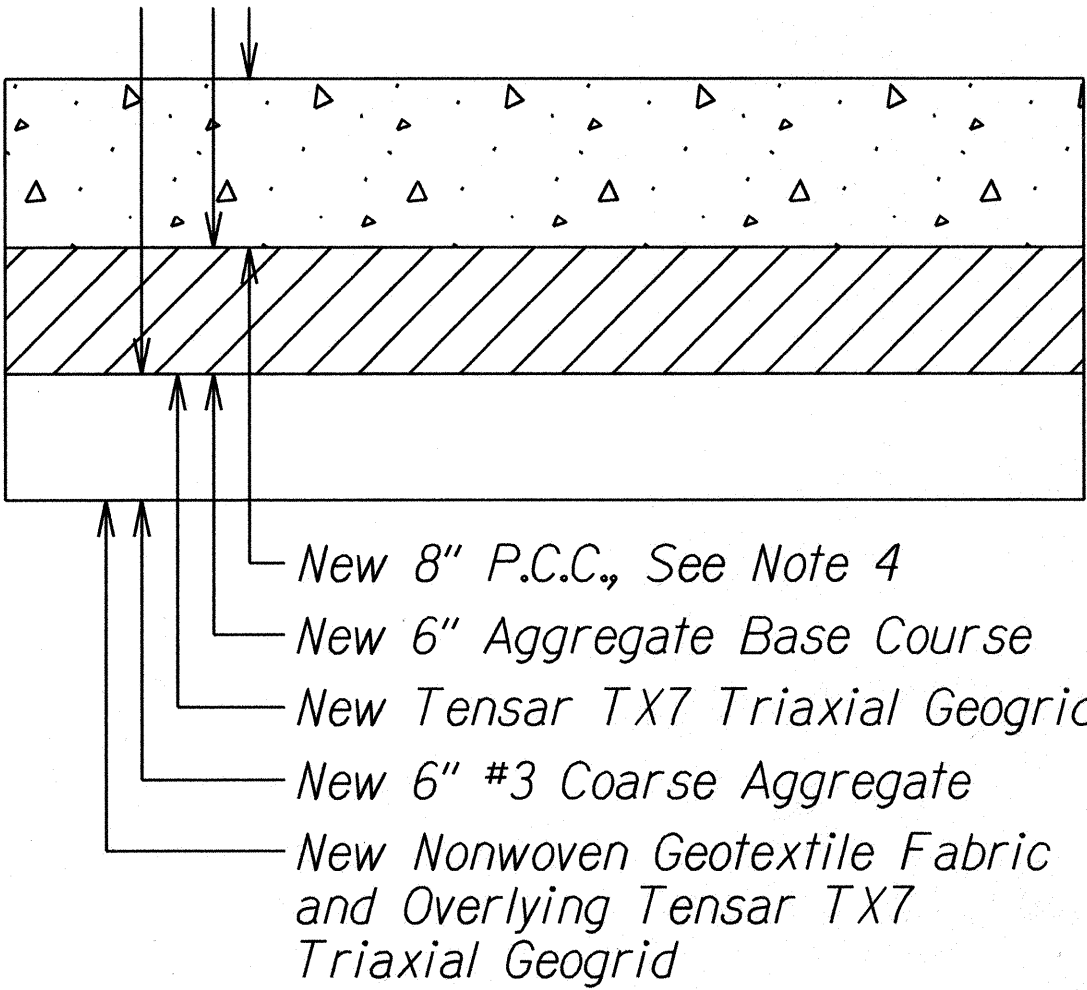
for Melvin Intehus 6/3/16
CHIEF, CIVIL ENGINEERING BRANCH, DPP Date
(For work within City R/W only)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 9	88

- Notes:
- The subbase shall be rolled a minimum of 12 passes with a 10-ton or heavier roller prior to the placement of HMAB.
 - If aggregate subbase is not present at the subgrade prior to placing the HMAB, then the area shall be overexcavated, followed by placement of a geotextile fabric (716.06) and placement of 6" Aggregate Base Course (AB). The AB shall be compacted to a minimum of 95% of its maximum dry density determined by AASHTO T180.
 - All aggregate subbase materials and base course shall be compacted to at least 95% relative compaction.
 - For Unreinforced P.C.C., see Detail A. For Reinforced P.C.C., see Detail B.



RECONSTRUCTION DETAIL
Not to Scale



P.C.C. PAVEMENT SECTION
Not to Scale

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TYPICAL SECTIONS AND DETAILS

COMMERCIAL DRIVER'S LICENSE AND

MOTORCYCLE LICENSE TESTING FACILITY

EXAMINATION SITE AND OFFICE RENOVATION

Beneath Interstate Route H-1 Pearl City Viaduct

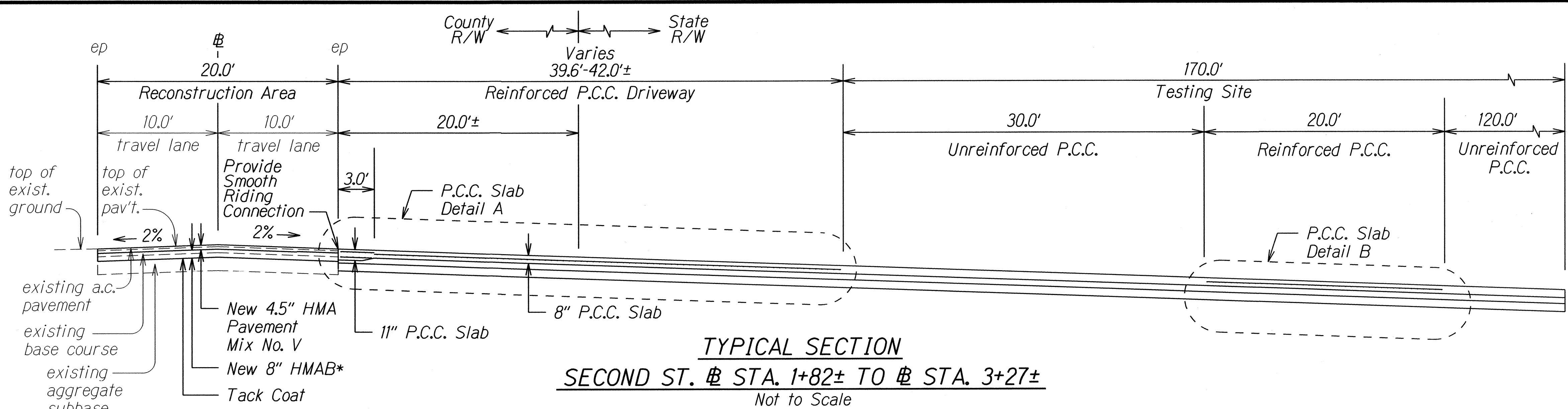
Project No. HWY-0-08-14

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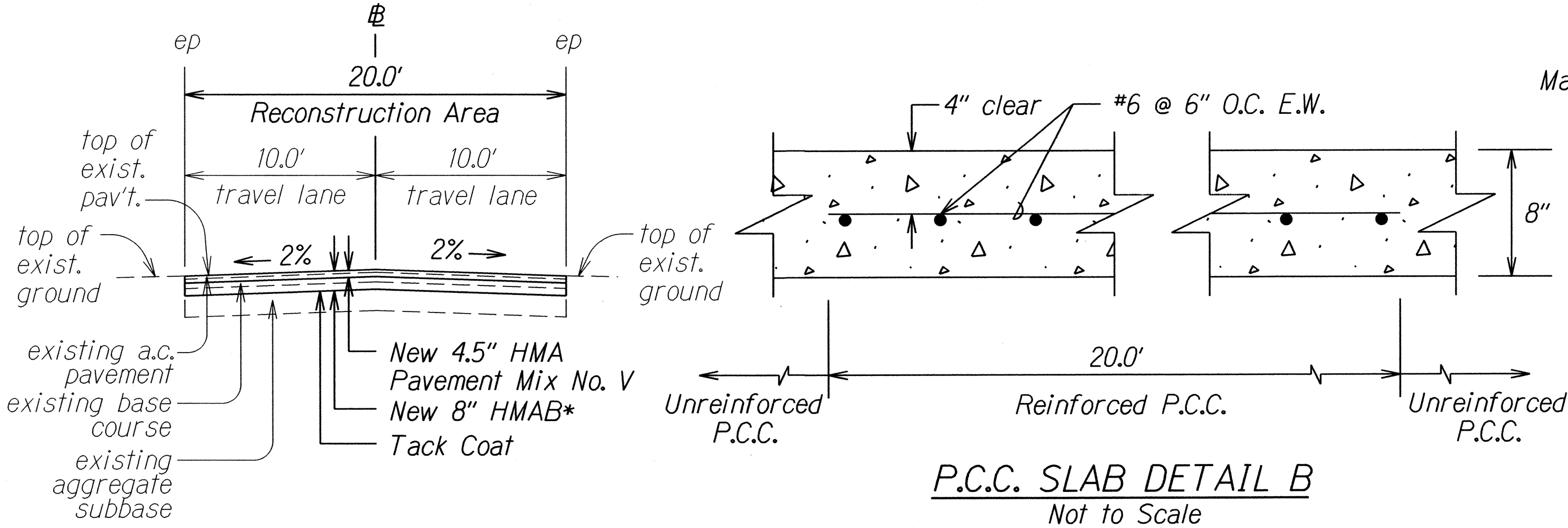
Date: May 2016

SHEET No. 1 OF 1 SHEETS

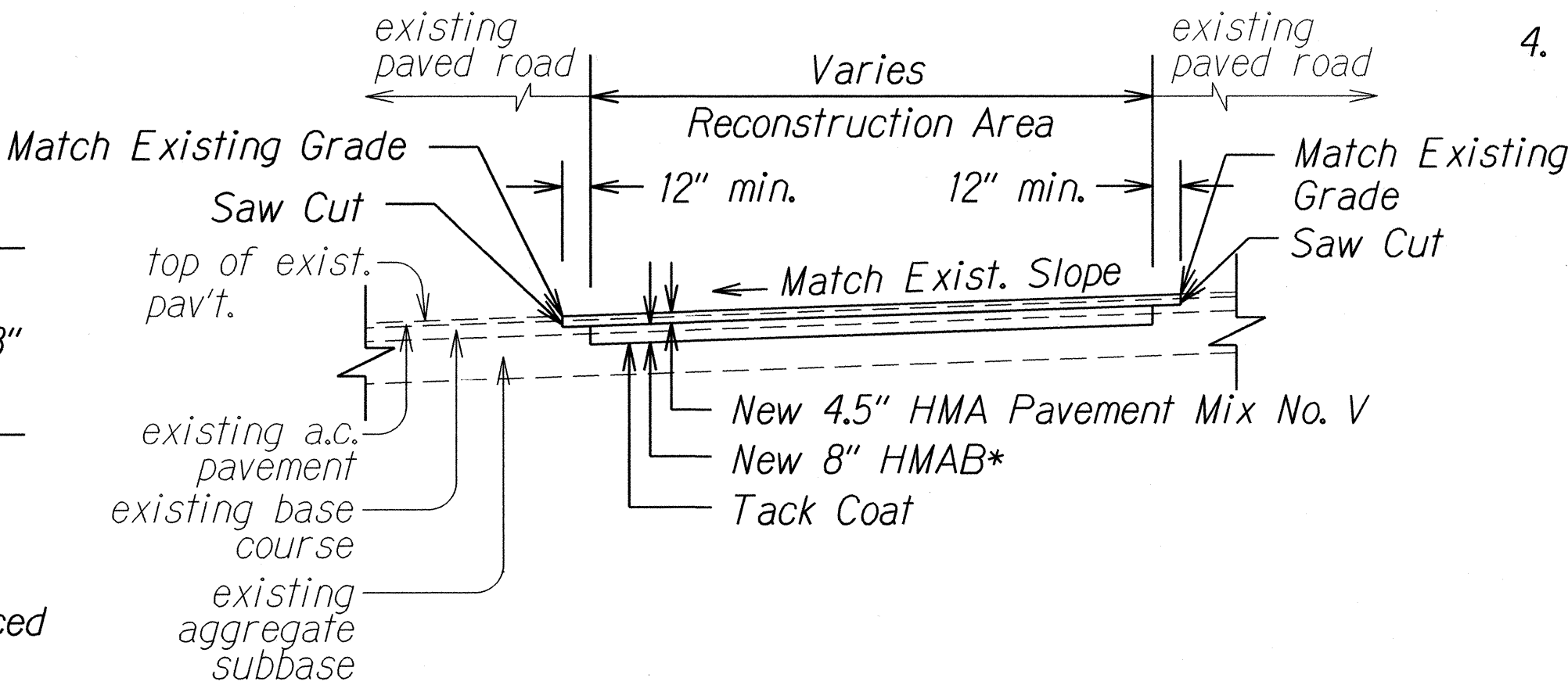
ADD. 9



TYPICAL SECTION
SECOND ST. # STA. 1+82± TO # STA. 3+27±
Not to Scale

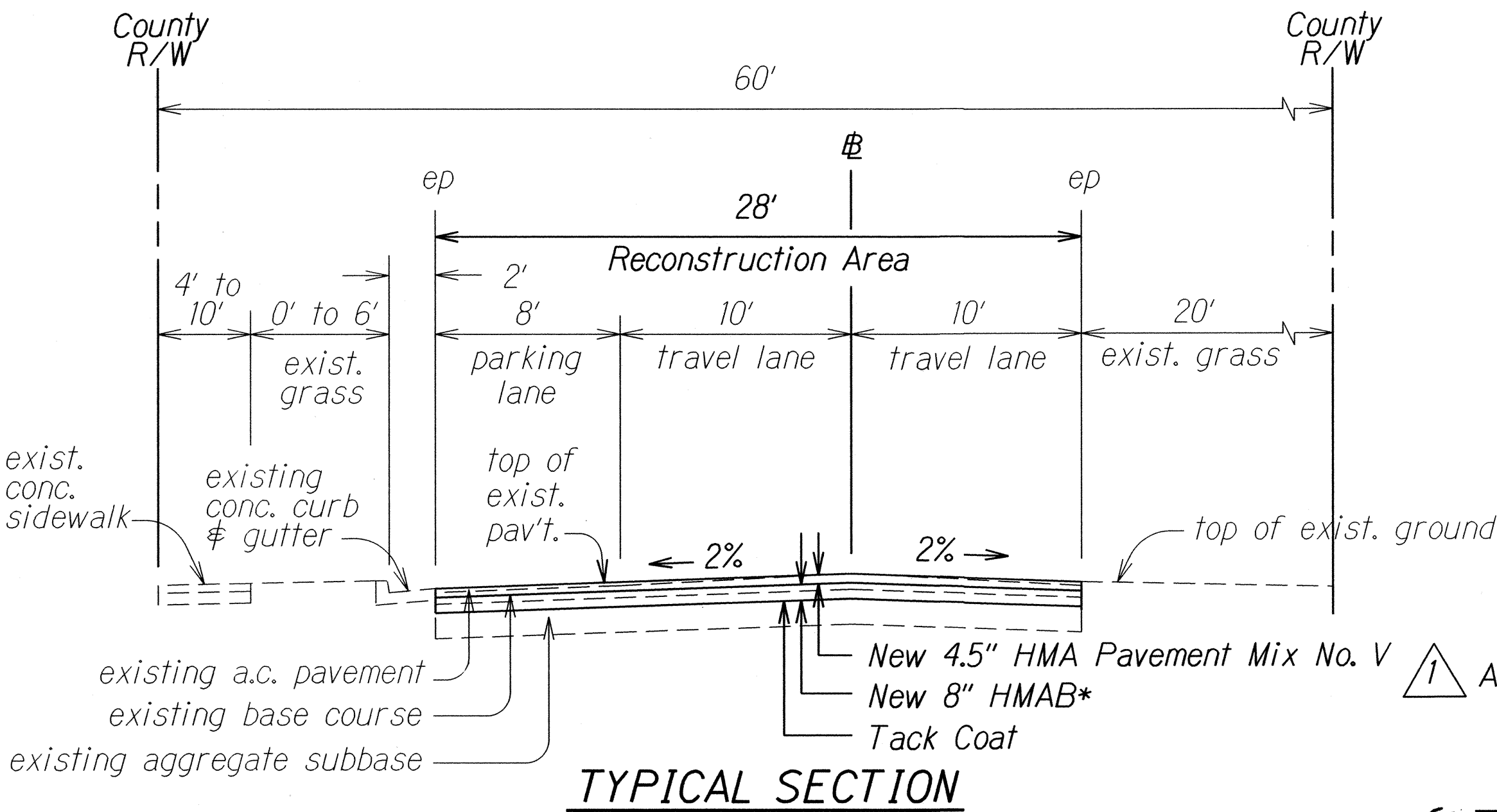


P.C.C. SLAB DETAIL B
Not to Scale

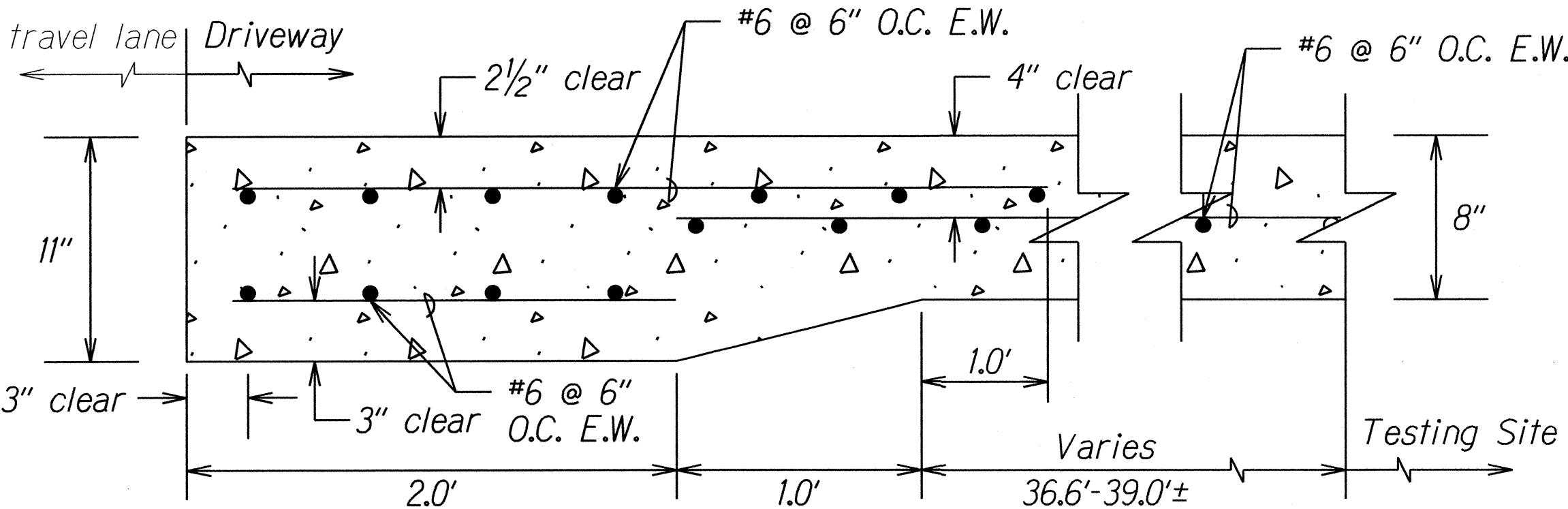


TRANSITION TO EXISTING A.C. PAVED ROAD
Not to Scale

TYPICAL SECTION
SECOND ST. # STA. 3+27 TO # STA. 4+10
Not to Scale



TYPICAL SECTION
SECOND ST. # STA. 4+10 TO # STA. 5+40
Not to Scale



P.C.C. SLAB DETAIL A
Not to Scale

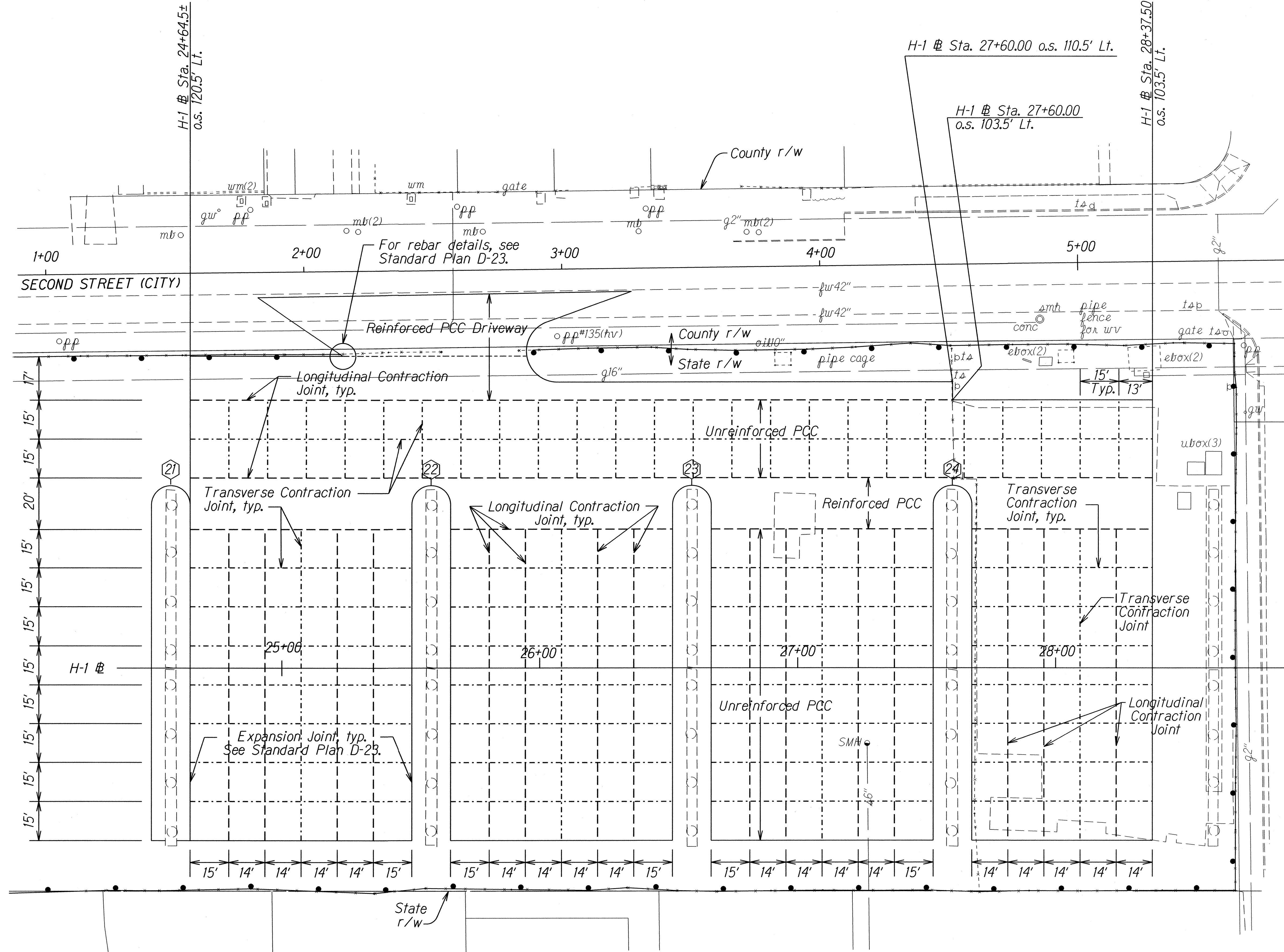
APPROVED:

CHIEF, CIVIL ENGINEERING BRANCH, DPP
 (For work within City R/W only)

DATE	5/19/16	Revised Transition to Existing A.C. Paved Road detail and added Civil Engineering Branch signature.
REVISION		

DATE	
DESIGNED BY	
CHECKED BY	
QUANTITIES BY	
NOTE BOOK	
ORIGINAL PLAN	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-08-14	2016	ADD. 10	88



- NOTES**
1. Use 1" \varnothing smooth dowels for transverse joints. See Standard Plan D-19.
 2. Use #5 rebars for longitudinal joints. See Standard Plan D-21.
 3. For Reinforced PCC, see Plan Sheet No. 9.
 4. Use longitudinal joint detail for connection of Unreinforced P.C.C. to Reinforced P.C.C.
 5. Use longitudinal joint detail for connection of Reinforced P.C.C. to New Concrete Barrier.
 6. Do not attach Unreinforced P.C.C. to New Concrete Barrier.

- LEGEND**
- Transverse Contraction Joint
 - Longitudinal Contraction Joint

5/19/16 Deleted City DPP CEB approval block.

DATE	REVISION
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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

EXAMINATION SITE JOINTING PLAN

COMMERCIAL DRIVER'S LICENSE AND

MOTORCYCLE LICENSE TESTING FACILITY

EXAMINATION SITE AND OFFICE RENOVATION

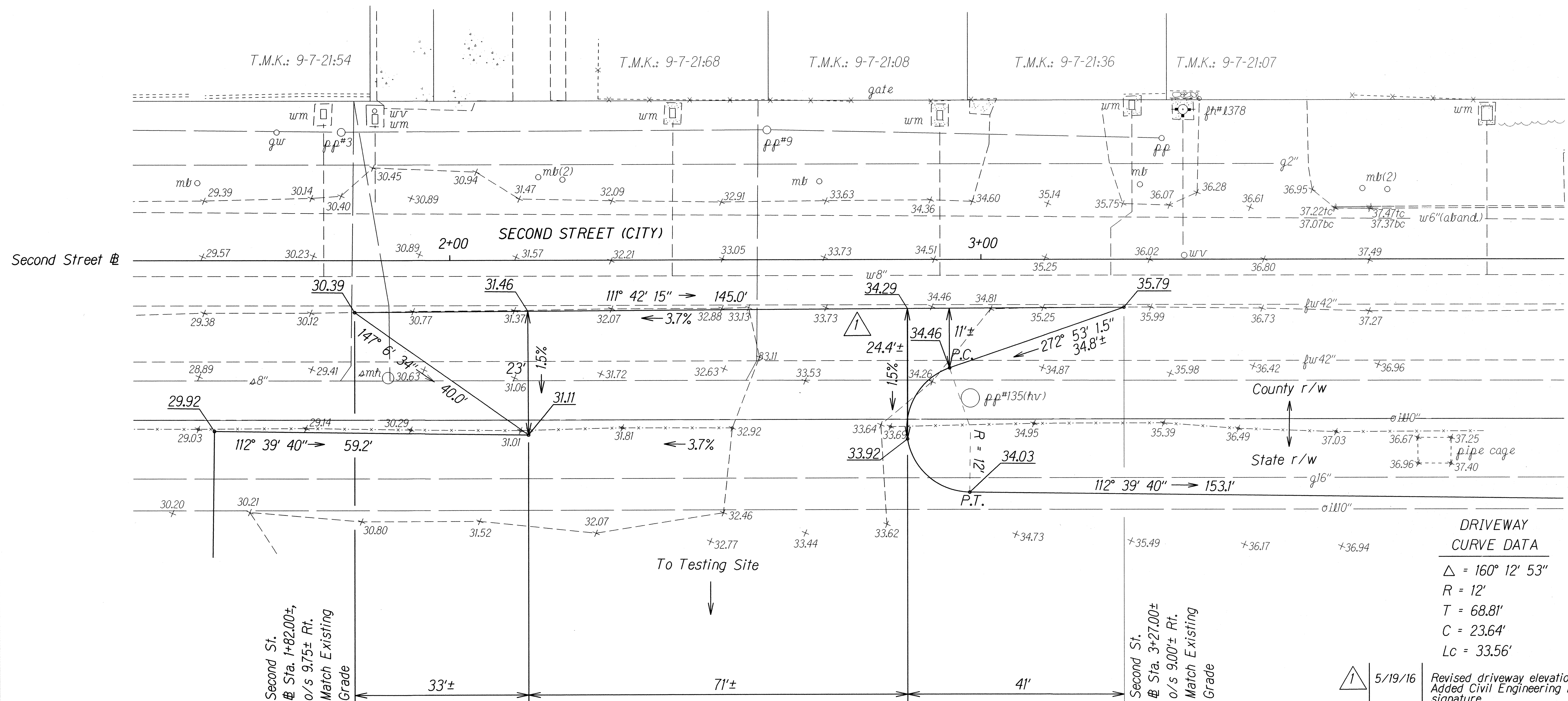
Beneath Interstate Route H-1 Pearl City Viaduct

Project No. HWY-O-08-14

Scale: 1"=20'

Date: May 2016

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 11	88




DRIVEWAY DETAIL AT SECOND ST. @ STA. 1+82± RT. to SECOND ST. @ STA. 3+27± LT.

1 APPROVED:

For Melini Jafar
CHIEF, CIVIL ENGINEERING BRANCH, DPP
(For work within City R/W only)

4/3/16
Date

	5/19/16	Revised driveway elevations and slope. Added Civil Engineering Branch signature.
DATE		REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRIVEWAY GRADING DETAILS

COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-O-08-14

Scale: 1"=10'
Date: May 2016

SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 12	88

H-1 # Sta. 23+56.00± o/s 119.7' Lt.

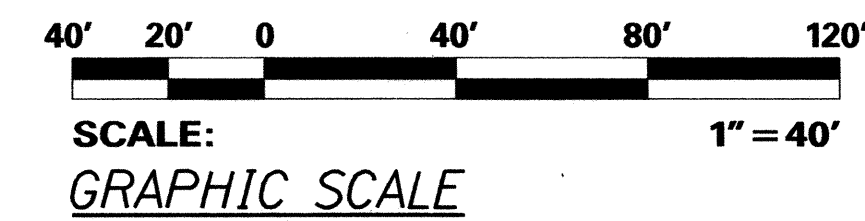
Remove 206 L.F. of existing chain link fence. Install 167 L.F. of New 6' Chain Link Fence. See Standard Plan D-02 for details.

H-1 # Sta. 24+65.00± to Sta. 26+10.00±

Demolish existing a.c. pavement. This work shall be paid under Item No. 203.1000.

Replace 213 L.F. of existing chain link fence with New 6' Chain Link Fence. See Standard Plan D-02 for details.

BEGIN PROJECT
Project No. HWY-0-08-14
H-1 # Sta. 22+00



H-1 # Sta. 22+75.00± o/s 77.10' Rt.

Remove 73 L.F. of existing chain link fence. Install 52 L.F. of New 6' Chain Link Fence. See Standard Plan D-02 for details.

H-1 # Sta. 23+67.50± o/s 84.70' Rt.

Replace 502 L.F. of existing chain link fence with New 6' Chain Link Fence. See Standard Plan D-02 for details.

H-1 # Sta. 24+65.00± to Sta. 27+07.00±
H-1 # Sta. 27+60.00± to Sta. 28+39.00±

Demolish existing p.c.c. pavement. This work shall be paid under Item No. 203.1000.

Pier Lines 21 to 24

Install New Concrete Barriers around existing structural columns. See New Concrete Barrier Plans on Plan Sheet No. 18 - 25.

APPROVED:

CHIEF, TRAFFIC REVIEW BRANCH, DPP
(For work within City R/W only)

APPROVED:

CHIEF, CIVIL ENGINEERING BRANCH, DPP
(For work within City R/W only)

APPROVED:

5/19/16 Added Civil Engineering Branch and Traffic Review Branch signature. Added callout for centerline striping and stop bar work. Revised sliding gate note. Added label for Hugh St. in State r/w.

DATE

REVISION

Reconstruction Area

For details, see Typical Sections on Plan Sheet No. 9.

H-1 # Sta. 25+23.00± to
H-1 # Sta. 25+98.00± o/s 119.70' Lt.
Install New 6' Height 75' Wide
Cantilever Sliding Gate.

H-1 # Sta. 25+97.00± o/s 122.80' Lt.

Remove 278 L.F. of existing chain link fence. Install 272 L.F. of New 6' Chain Link Fence. See Standard Plan D-02 for details.

Replace existing centerline striping and stop bar. See Sheet No. TE3.

Lehua Avenue
P.I. Sta. 72+19.88
Second Street
P.I. Sta. 6+00.00

T.M.K.: 9-7-21:10

Second Street

H-1 # P.C. Sta. 29+29.73

Replace 206 L.F. of existing chain link fence with New 6' Chain Link Fence. See Standard Plan D-02 for details.

END PROJECT
Project No. HWY-0-08-14
Sta. 31+00

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
**COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION**
Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-0-08-14
Scale: 1"=40' Date: May 2016
SHEET No. 1 OF 1 SHEETS

ADD. 12

Notes:

1. Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.

2. The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.

3. For added reinforcing around culverts at new drainage structures, see Standard Plan H-06.

4. Replace Pavement Striping and Markings damaged by the Contractor. The cost shall be considered incidental to the various Contract Items.

5. Concrete shall be Class A unless otherwise noted.

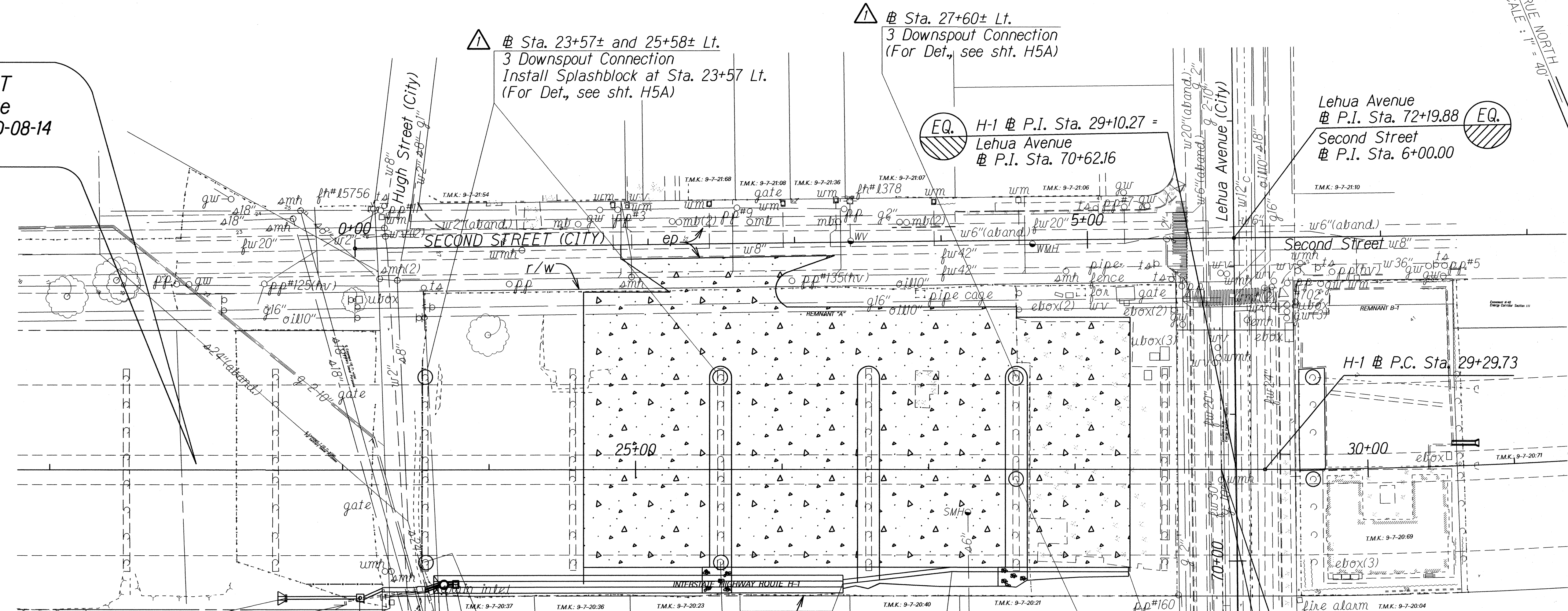
6. Demolishing, removing, and disposing existing 12" culvert and Inlet and Outlet Structures shall not be paid for separately, but shall be considered incidental to the various Contract Items.

7. The Contractor shall verify the location and depth of all utilities prior to fabricating drainage structures and grates.

8. The Contractor shall verify the dimensions and locations of the existing structures prior to fabricating drainage structures and grates.

9. Splashblock at Sta. 23+57± Rt. and Lt. shall not be paid for separately, but shall be considered incidental to repair of downspout.

BEGIN PROJECT
Examination Site
Project No. HWY-O-08-14
Sta. 22+00



Sta. 22+61 Rt.
Type "I" Outlet Structure
Inv. = 16.83
(For Detail, See
Std. Plan H-22)
Grade Outlet to Drain

Sta. 23+12 Rt.
Type "C" SDMH
Inv. = 18.33
(For Detail, See
Std. Plan H-03)

Sta. 23+27 Rt.
Type "I" Grated
Ditch Inlet
Inv. = 21.73 (Ditch)
Inv. = 20.50 (18")
(For Detail, See
Sht. H6 and H7)

Sta. 23+56 Rt.
Type "I" Grated
Ditch Inlet
Inv. = 21.92
(For Detail, See
Sht. H6 and H7)

Sta. 23+57± and 25+58± Rt.
Repair Downspout
Install Splashblock at Sta. 23+57± Rt.
(For Det., see sht. H5)

Sta. 23+77 Rt.
Type "01014" GDI
Inv. = 22.36
(For Detail, See Std. Plan H-12
and Sht. H4)

Sta. 23+69 Rt.
Stormwater Treatment System
Inv. = 22.25

Sta. 23+62 Rt.
Begin Grass Ditch
(For Det., See Sht. H3)

Sta. 26+41 o/s 78' Rt.
End Grass Ditch
Begin Grass Swale
(For Detail, See Sht. H3)

Install GRP downstream of
opening at column barriers
at Sta. 25+58± Rt. and
27+60± Rt. (For Det., see
Sht. H9)

Sta. 27+60± Rt.
Repair Downspout
(For Det., see sht. H5)

Sta. 27+16 o/s 69.5' Rt.
Grass Swale

Sta. 28+12 o/s 69.5' Rt.
End Grass Swale
(For Detail See Sht. H3)

END PROJECT
Examination Site
Project No. HWY-O-08-14
Sta. 29+00

EXAMINATION SITE PLAN

DATE	5/31/16	REVISION	Added callout to 3 downspouts # added splashblock note
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

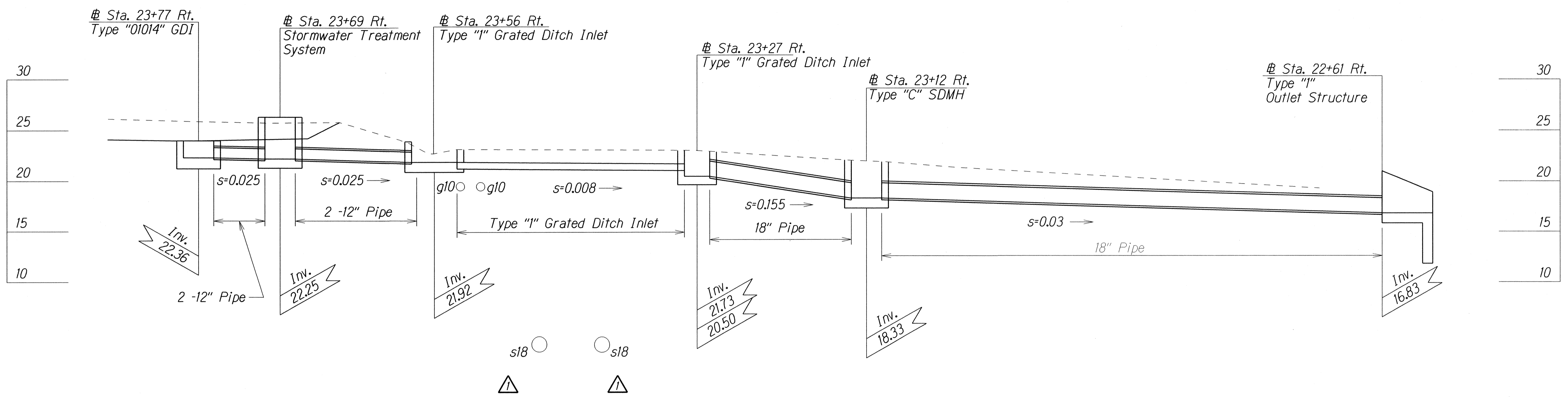
DRAINAGE PLAN

COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-O-08-14

Scale: 1"=40' Date: May 2016

SHEET No. **HI** OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 29	88



DRAINAGE PROFILE

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

△	5/31/16	Added Utility Locations X
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PROFILE

**COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION**

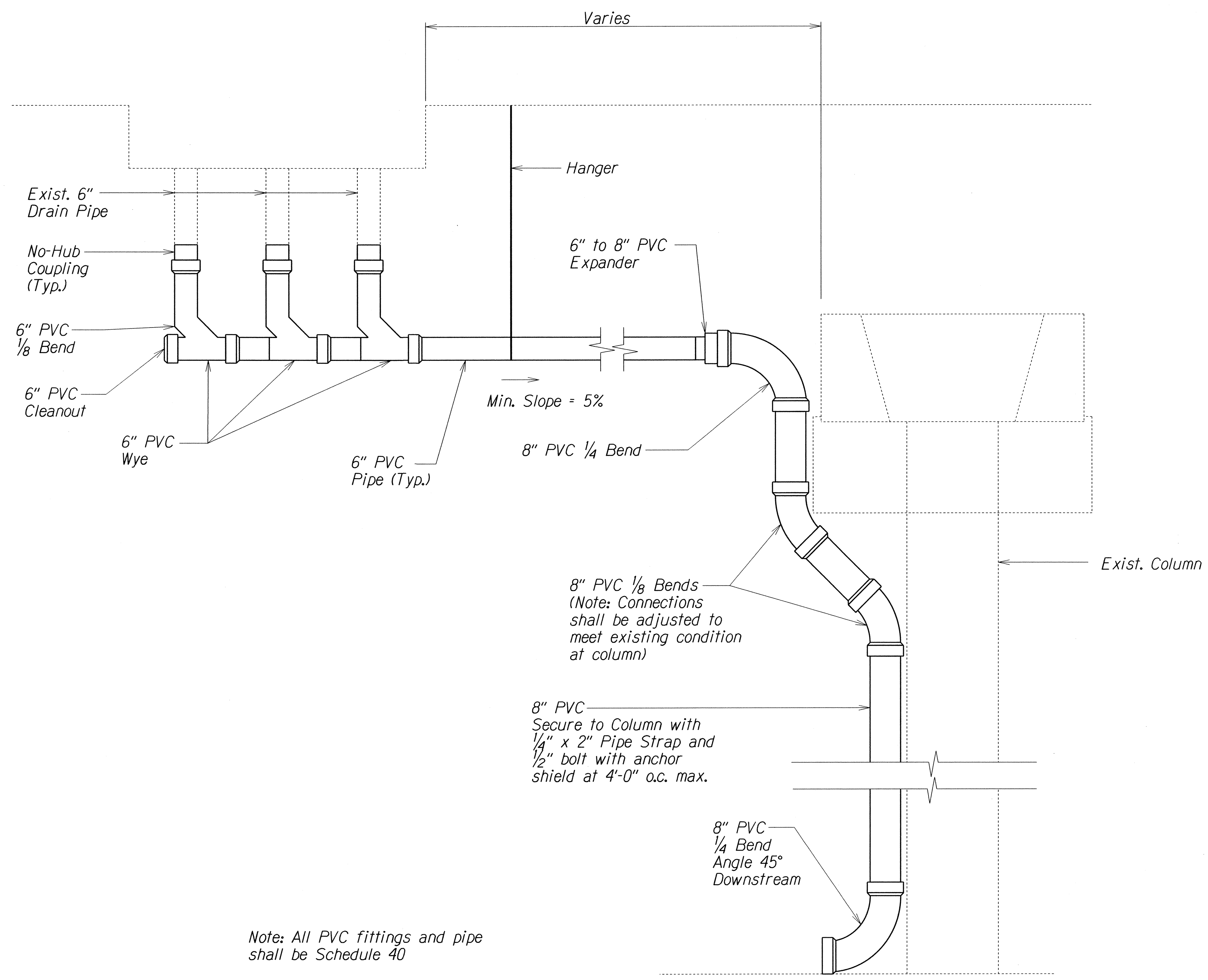
Beneath Interstate Route H-1 Pearl City Viaduct

Project No. HWY-0-08-14

Scale: 1"=5' Date: May 2016

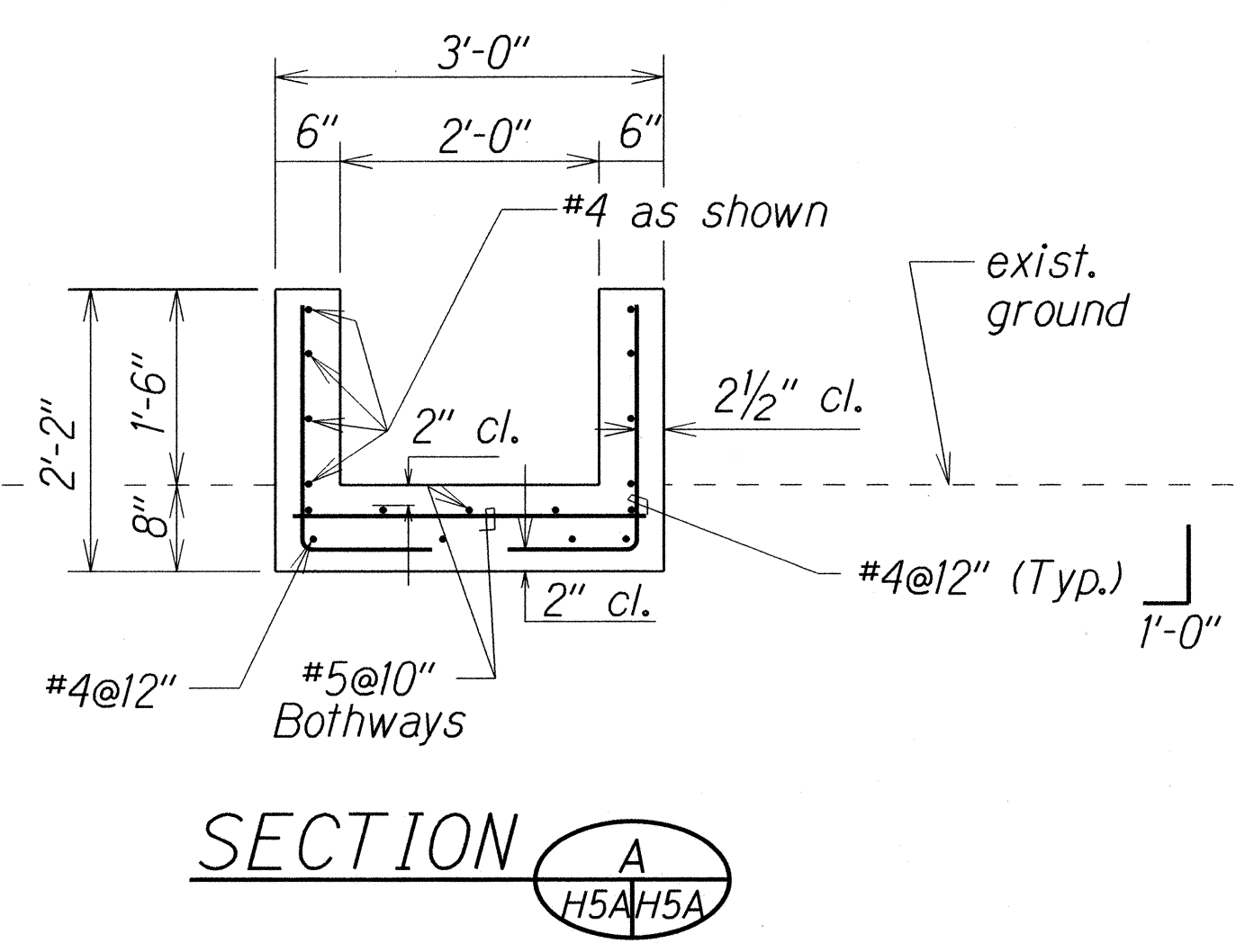
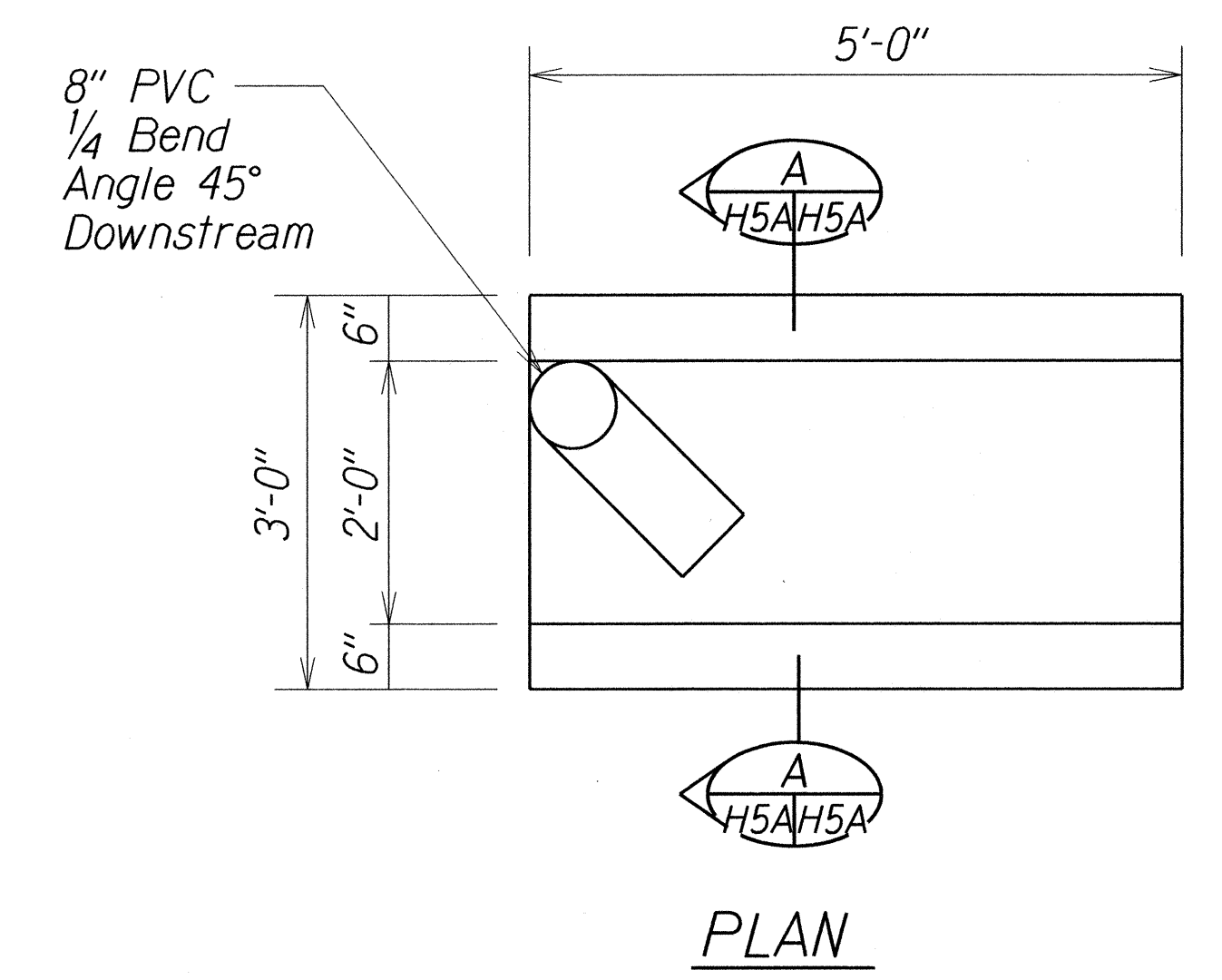
SHEET No. H2 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-08-14	2016	ADD. 32 S-1	88

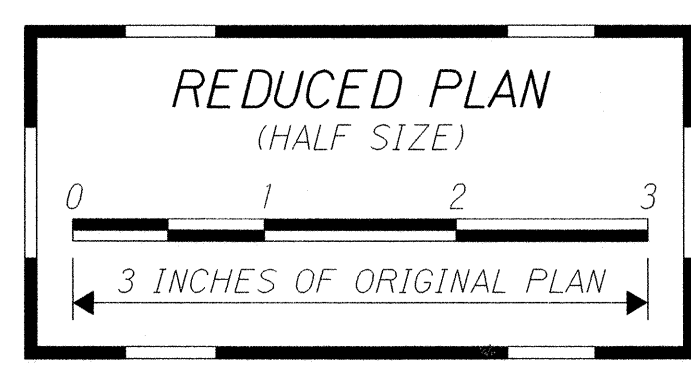


Note: All PVC fittings and pipe shall be Schedule 40

EXAMINATION SITE 3 DOWNSPOUT CONNECTION DETAIL
Scale: Not to Scale



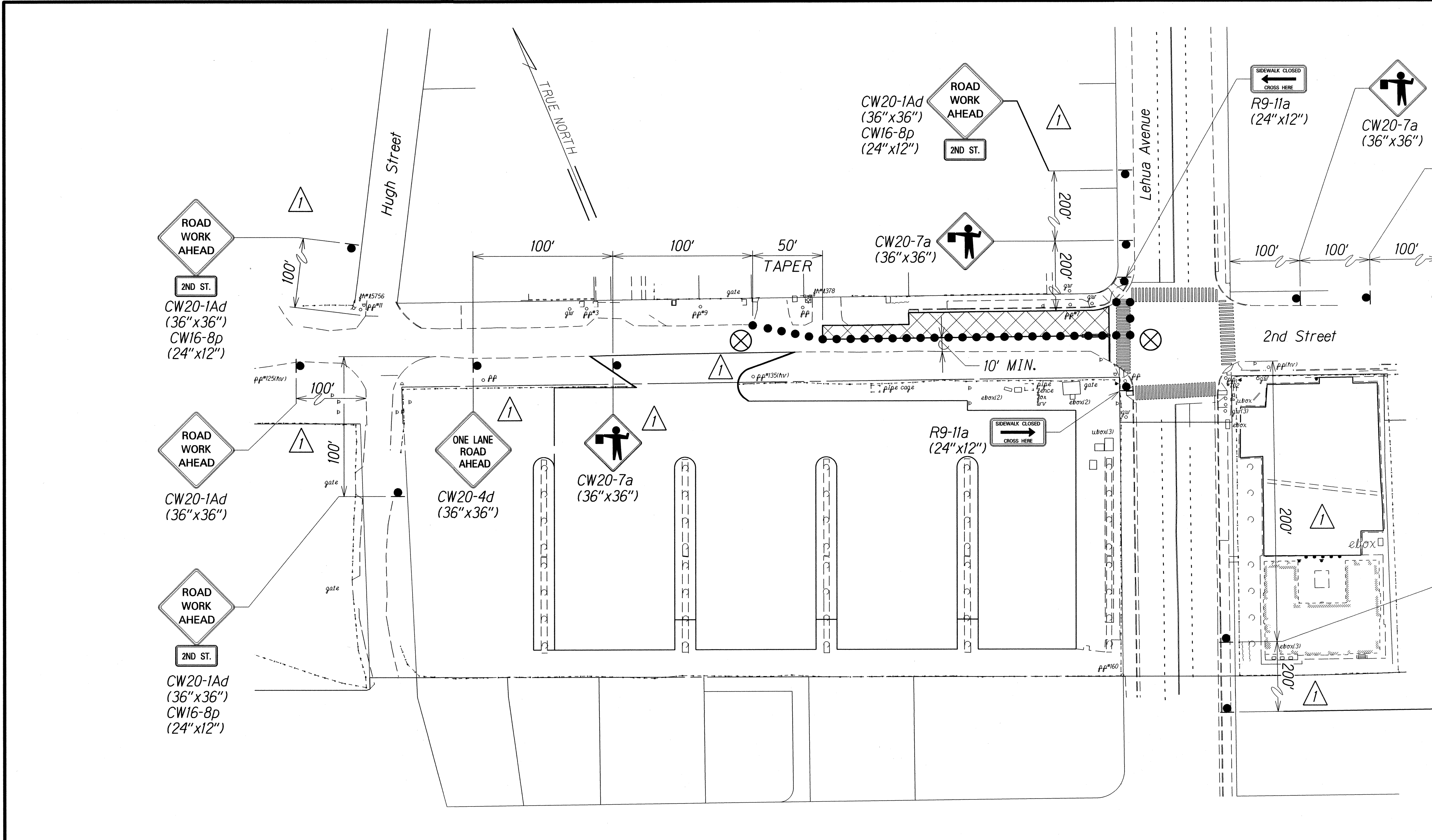
SECTION A
DOWNSPOUT SPLASHBLOCK
Scale: Not to Scale



5/31/16	Added Detail Sheet X
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION DRAINAGE DETAIL COMMERCIAL DRIVER'S LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY EXAMINATION SITE AND OFFICE RENOVATION Beneath Interstate Route H-1 Pearl City Viaduct Project No. HWY-O-08-14 Scale: Not to Scale Date: May 2016	
SHEET No. H5A OF 9 SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-08-14	2016	ADD. 37	88



LEGEND:

- Police Officer
- Temporary Construction Sign w/Post
- Traffic Cones
- Hatch Indicates Work Area

TRAFFIC CONTROL PLAN NO. 1
1"=40'-0"

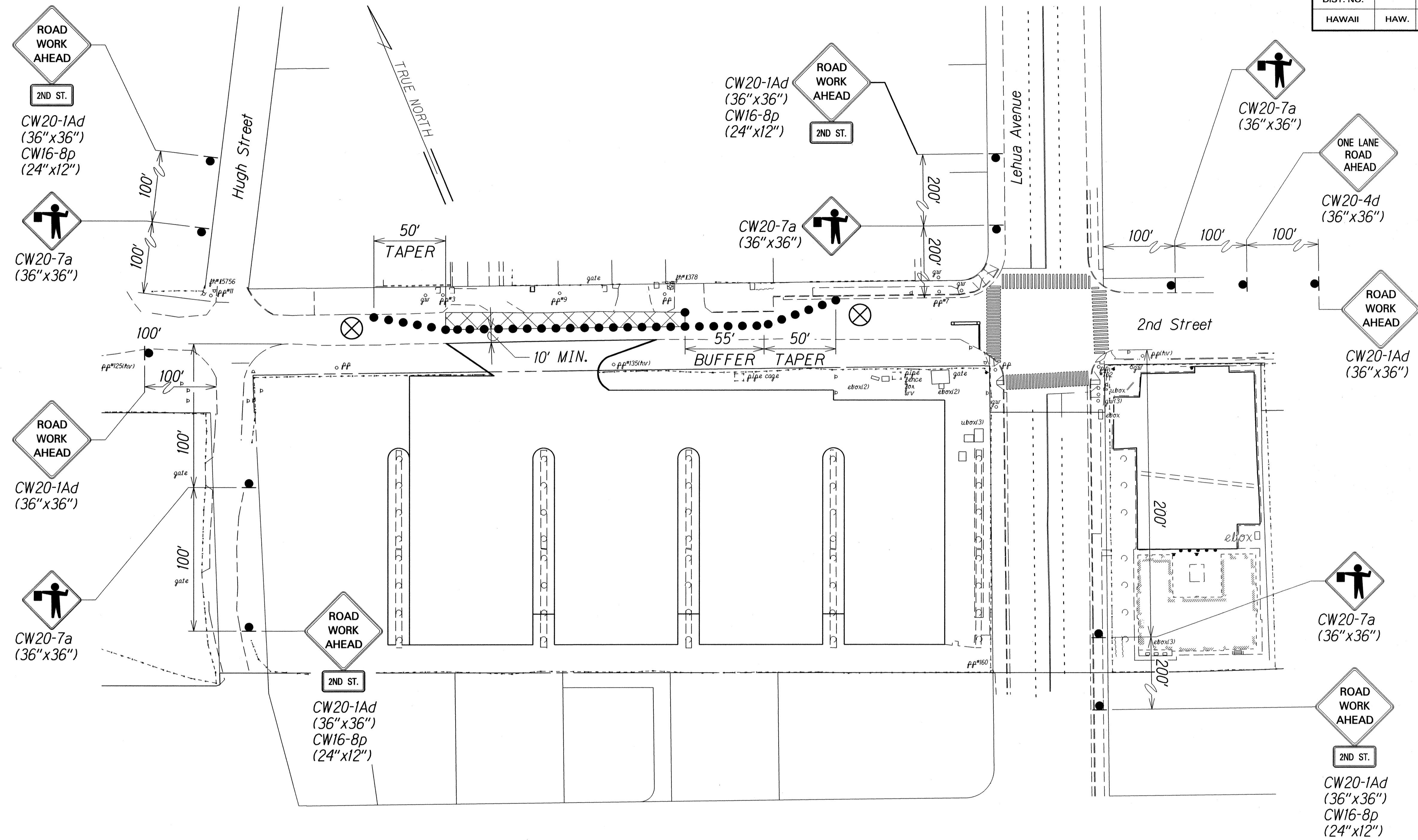
APPROVED:

CHIEF, TRAFFIC REVIEW BRANCH, DPP
 (For Construction within City R.O.W. Only)
 Date: 6/2/16

	5/19/16	APPROVED BY CITY TRB
	DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC CONTROL PLAN NO. 1
 COMMERCIAL DRIVERS LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY
 EXAMINATION SITE & OFFICE RENOVATION
 Beneath Interstate Route H-1 Pearl City Viaduct
 Project No. HWY-O-08-14
 Scale: 1"=40'-0" Date: May 2016
 SHEET No. TEI OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 37 S-1	88



LEGEND:

- Police Officer
- Temporary Construction Sign w/Post
- Traffic Cones
- Hatch Indicates Work Area

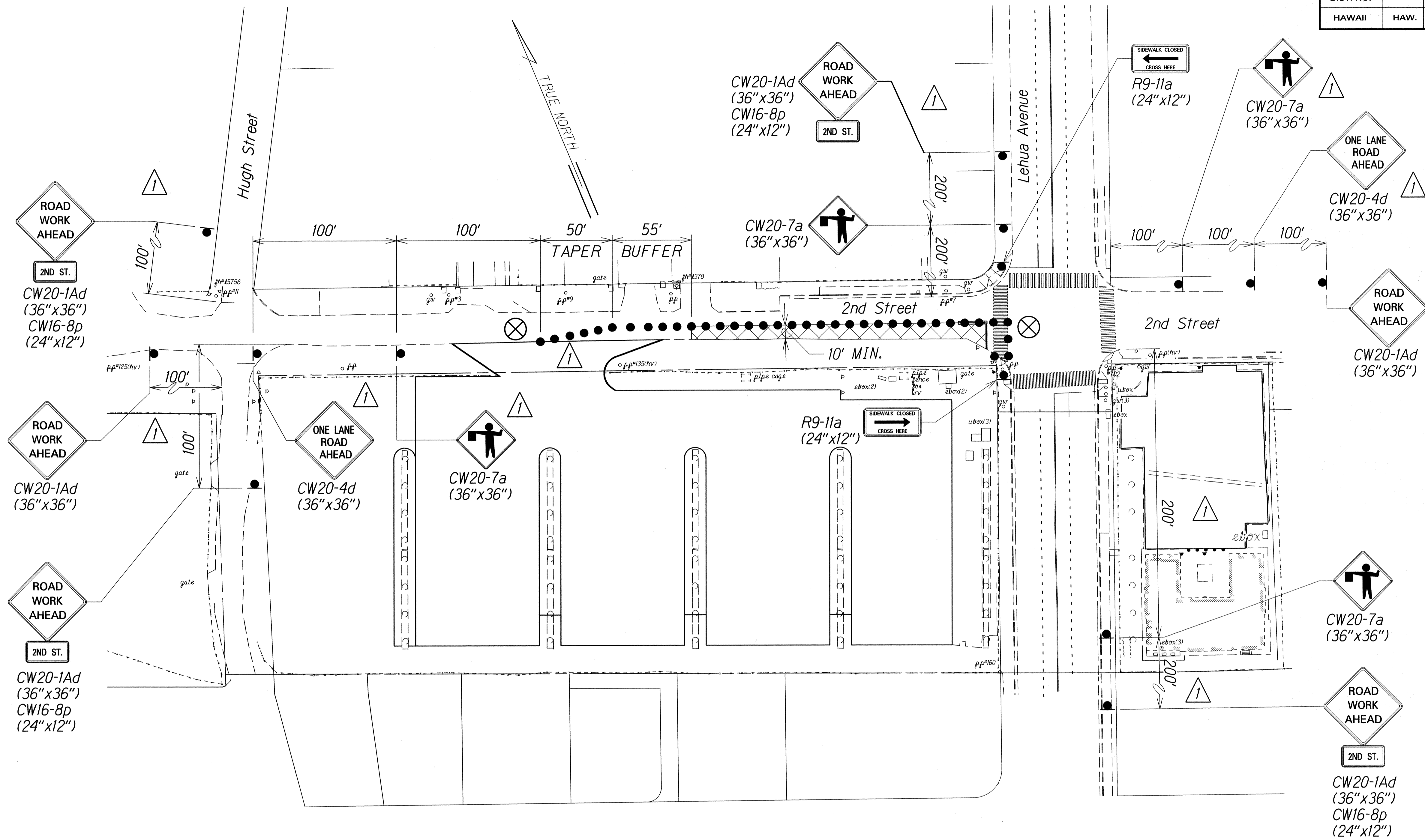
TRAFFIC CONTROL PLAN NO. 2
1"=40'-0"

APPROVED:

CHIEF, TRAFFIC REVIEW BRANCH, DPP
(For Construction within City R.O.W. Only)
Date: 6/22/16

5/19/16	APPROVED BY CITY TRB ADDED SHEET
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TRAFFIC CONTROL PLAN NO. 2 COMMERCIAL DRIVER'S LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY EXAMINATION SITE & OFFICE RENOVATION Beneath Interstate Route H-1 Pearl City Viaduct Project No. HWY-0-08-14 Scale: 1"=40'-0" Date: May 2016	
SHEET No. TEIA OF 8 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 38	88



LEGEND:

- Police Officer
- Temporary Construction Sign w/Post
- Traffic Cones
- Hatch Indicates Work Area

TRAFFIC CONTROL PLAN NO. 3
1"=40'-0"

APPROVED:

CHIEF, TRAFFIC REVIEW BRANCH, DPP
(For Construction within City R.O.W. Only)

6/2/16
Date

5/19/16	APPROVED BY CITY TRB REVISED WORK AREA & SIGNING
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TRAFFIC CONTROL PLAN NO. 3 COMMERCIAL DRIVERS LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY EXAMINATION SITE & OFFICE RENOVATION Beneath Interstate Route H-1 Pearl City Viaduct Project No. HWY-0-08-14 Scale: 1"=40'-0" Date: May 2016	
SHEET No. TE2 OF 8 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-08-14	2016	ADD. 38 S-2	88

TRAFFIC NOTES FOR WORK ON CITY & COUNTY STREETS

- The permit shall be obtained from the Department of Transportation Services before work on any portion of a public street or highway may begin. Construction traffic control plans approved by the Department of Transportation Services and/or the Department of Planning and Permitting must be provided when applying for the permit.
- The Contractor shall provide, install, and maintain all necessary signs and other protective facilities, which shall conform with the "Hawaii Administration Rules Governing Highways" adopted by the Director of Transportation, and the current U.S. Federal Highways Administration's "Manual on Uniform Traffic Control Devices for Street and Highways, Part VI - Traffic Controls for Street and Highway Construction and Maintenance Operations."
- Work on any city street area may be performed only between the hours of 8:30 A.M. to 3:30 P.M., Monday through Friday, unless otherwise permitted by the Department of Transportation Services.
- During working hours, the Contractor shall provide for through traffic. During non-working hours, all trenches shall be covered with a safe non-skid bridging material and all lanes shall be open to traffic.
- As required by the Department of Transportation Services, the Contractor shall provide off-duty police officers to control the flow of traffic.
- Where pedestrian walkways exist, they shall be maintained in passable condition or other facilities for pedestrians shall be provided. Passage between walkways at intersections shall likewise be provided.
- Driveways shall be kept open unless the owners of the property using these Rights-of-Way are otherwise provided for satisfactorily.
- Contractor shall reference to the approval of the Department of Transportation Services and the Department of Planning and Permitting, all existing traffic signs, posts and pavement markings prior to the commencement of construction. The Contractor shall replace or repair all traffic signs, posts and pavement markings disturbed by his activities.
- The Contractor shall notify the Department of Planning and Permitting at 768-8084 one (1) week prior to any work to be done on signs, posts and pavement markings.
- No equipment shall be stored within street Rights-of-Way except at locations designated in writing and approved by the Department of Transportation Services.
- HDOT shall ensure that the Contractor installs the construction traffic control devices in accordance with the MUTCD and the Hawaii Administration Rules as specified in traffic note #2.

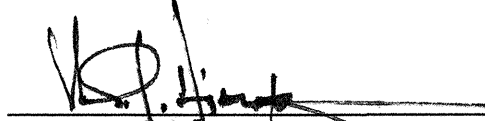
SIGNS & MARKINGS NOTES

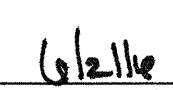
- All traffic sign and pavement marking installations shall be done in accordance with "Manual on Uniform Traffic Control Devices for Streets and Highways," 2009 Edition, as amended, the latest specifications from the Traffic Review Branch, Department of Planning and Permitting, and as shown on the plans.
- Contractor shall notify and coordinate work with the Civil Engineering Branch, Department of Planning and Permitting, one (1) week in advance of commencing work at 768-8084.
- Contractor shall submit material brochures for all signs and paint materials to the Civil Engineering Branch, Department of Planning and Permitting.
- The signing and/or striping contractor shall keep one (1) set of approved plans at the project site at all times during construction work.
- Contractor shall paint temporary guidelines and outline of arrows, legends and crosswalks with a two-inch (2") wide brushed line on the day the roadway is opened to traffic. These markings must be approved by the inspector from the Civil Engineering Branch, Department of Planning and Permitting.
- Contractor shall notify the Civil Engineering Branch, Department of Planning and Permitting at 768-8084, three (3) days in advance of final inspection.
- Contractor shall meet with the inspector from the Civil Engineering Branch, Department of Planning and Permitting during the final inspection.
- Within ten (10) days following notification of award of contract, the Contractor shall submit to the Department of Planning and Permitting (phone: 768-8084) for approval, a list of any signing and pavement marking material, which he proposes to install. The list shall be complete as to the name of manufacturer, catalog number, and shall be supplemented with material brochures.
- Upon final inspection of the project, the Contractor shall submit a letter of certification for all traffic signing and pavement marking materials installed.
- Sign shall be attached to brackets with 5/16" zinc plated steel bolts, buts and washers. Signs 48" wide or larger than 10 sq. ft. in area shall be mounted on two - 2" galv. pipe posts. The sign shall be installed with at least one (1) foot clearance from the sign edge to the curb face.
- All traffic signs shall be reflectorized.
- Raised pavement markers shall be installed in accordance with the Department of Planning and Permitting standards.

SIGNS & MARKINGS NOTES (Cont.)

- Location of "STOP" sign:
 - Install "STOP" sign at curb tangent point.
 - Install "STOP" sign on metal street light standard if a standard is located within 10 feet of curb return.
 - Install "STOP" sign in front of utility pole if pole is located within 10 feet of curb return.
- Pavement work and symbol markings shall be in accordance with the Department of Planning and Permitting standards.
- The Contractor shall use thermoplastic material, approved by the Civil Engineering Branch, Department of Planning and Permitting, for all crosswalks, stop cars, pavement arrows, center lines, lane lines, arc lines, channelized traffic islands and legends.

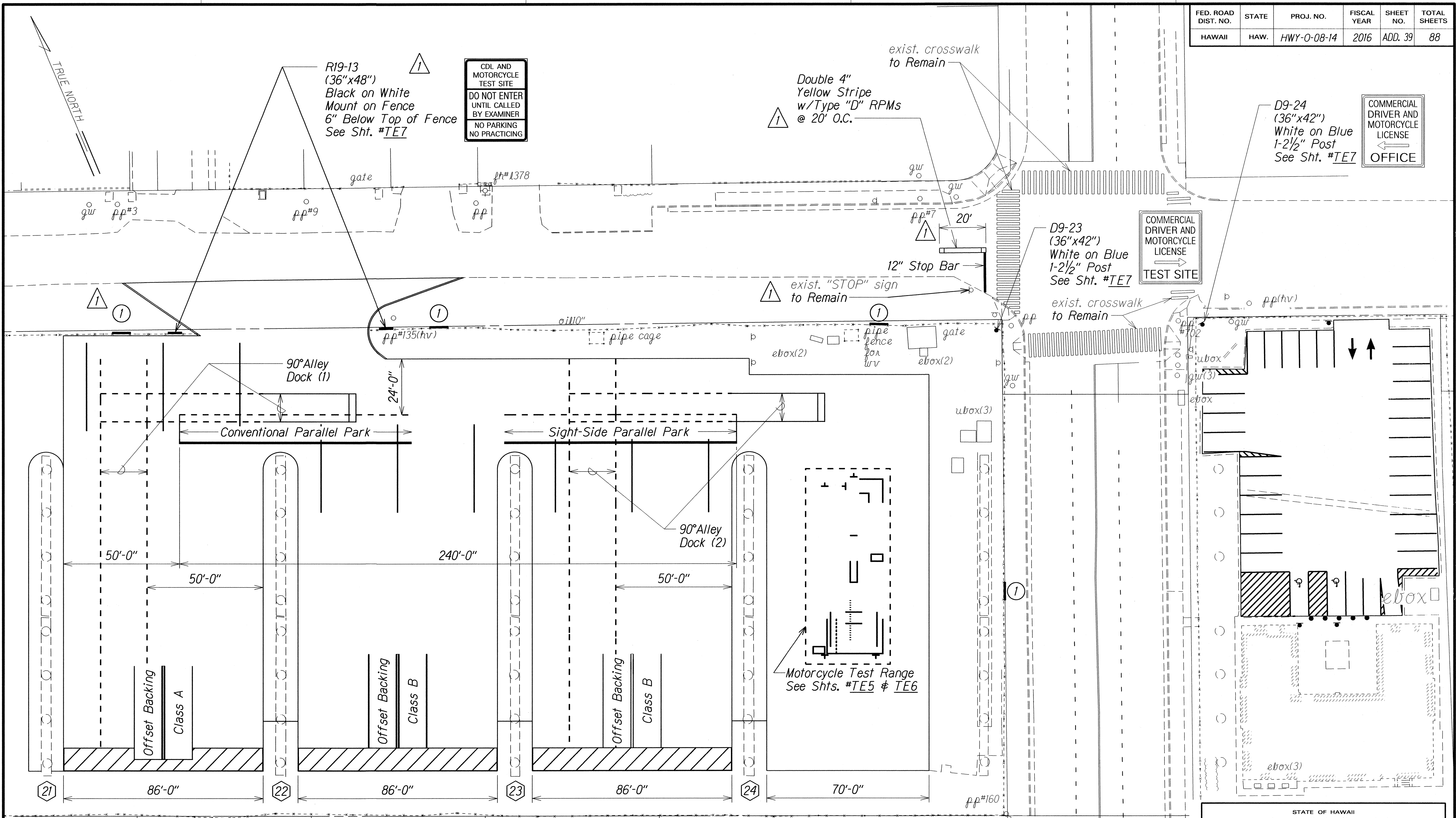
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
TOLERANCE	DESIGNED BY	
REGISTERED	QUANTITIES BY	
	CHECKED BY	


CHIEF, TRAFFIC REVIEW BRANCH, DPP
(For Construction within City R.O.W. Only)


Date

5/19/16	ADDED SHEET
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION C&C TRAFFIC & SIGN/MARKING NOTES COMMERCIAL DRIVERS LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY EXAMINATION SITE & OFFICE RENOVATION Beneath Interstate Route H-1 Pearl City Viaduct Project No. HWY-O-08-14 Date: May 2016	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 39	88



NOTE:
For Additional Striping & Dimension Information, See Shts. #TE4 & TE5.

- KEY:**
- ① Install New Sign, D9-25 on Fence 6" Below Top of Fence, See Sht. #TE8.
 - ② Pier No.

EXAMINATION SITE PAVEMENT MARKING AND SIGNING PLAN

1"=20'-0"

CHIEF, TRAFFIC REVIEW BRANCH, DPP
 (For Construction within City R.O.W. Only)

6/2/16
Date

①	5/19/16	ADDED SIGNS REVISED CALLOUT & KEY
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EXAMINATION SITE PAVEMENT MARKING AND SIGNING PLAN

COMMERCIAL DRIVER'S LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY

EXAMINATION SITE & OFFICE RENOVATION

Beneath Interstate Route H-1 Pearl City Viaduct

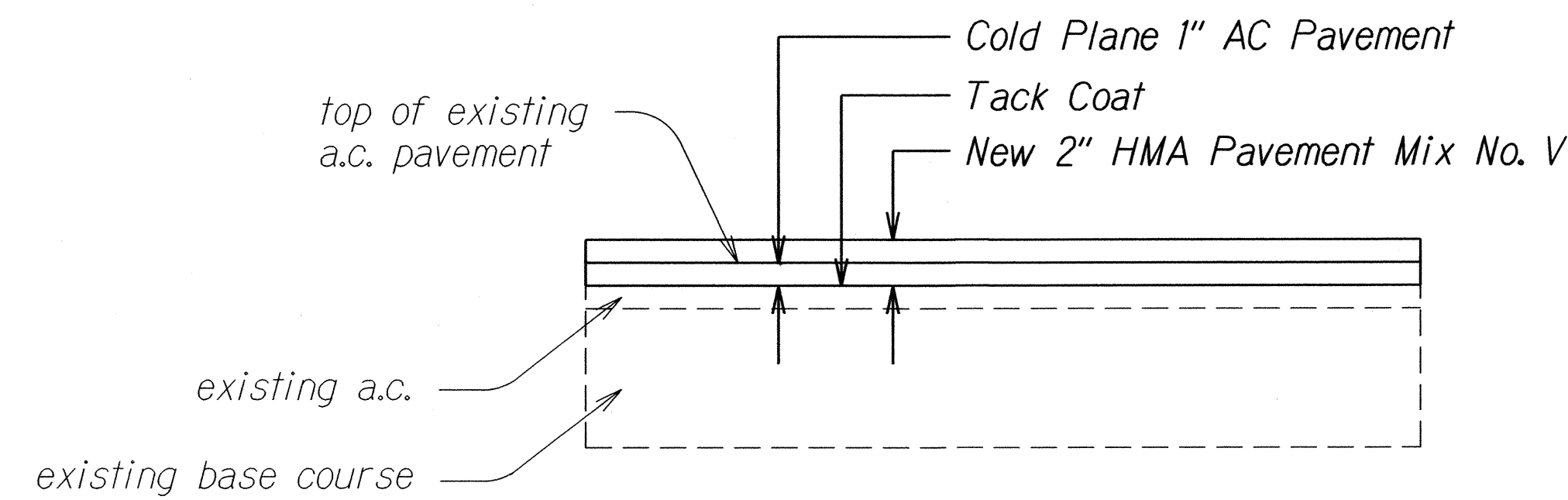
Project No. HWY-0-08-14

Scale: 1"=20' Date: May 2016

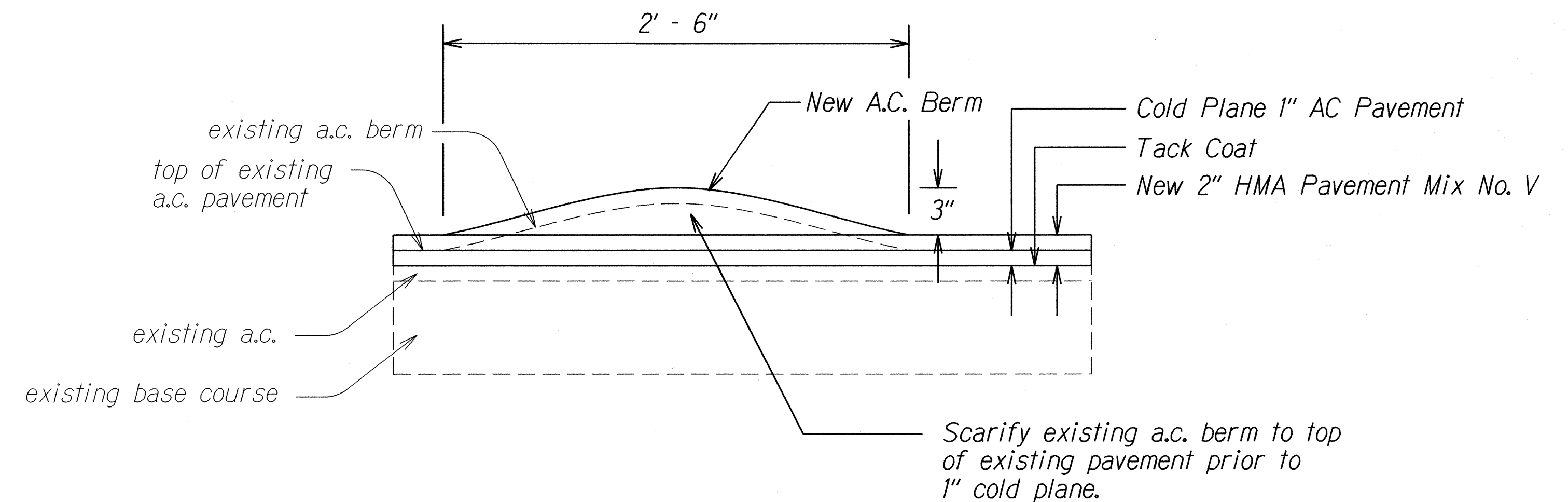
SHEET No. TE3 OF 8 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	DRAWN BY
CHECKED BY	NOTED BY
DATE	DATE

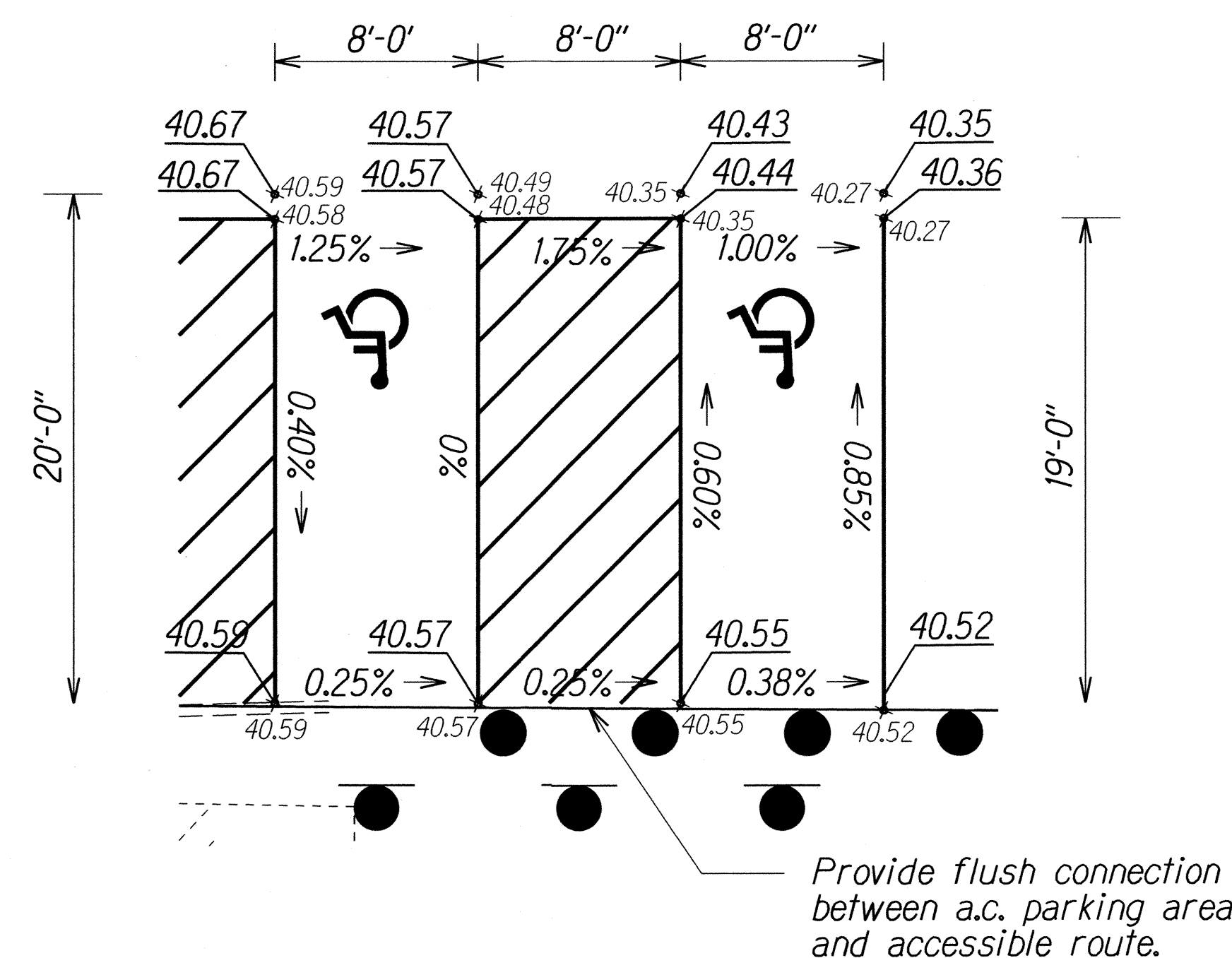
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 46	88



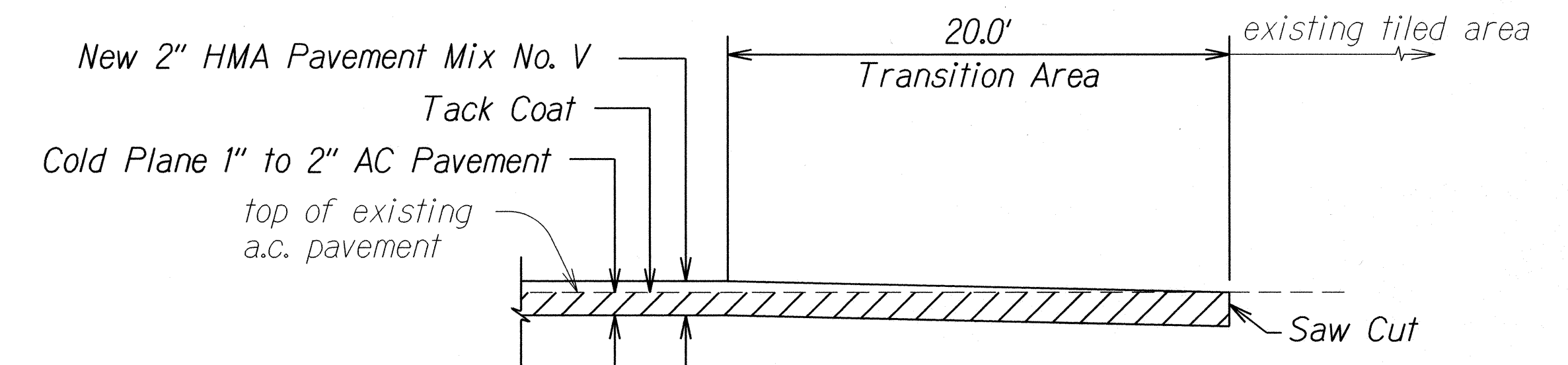
**OFFICE PARKING LOT
A.C. PAVEMENT SECTION**
Not to Scale



BERM DETAIL
Not to Scale



**ACCESSIBLE PARKING STALLS AND
ACCESS AISLE GRADING DETAILS**
Not to Scale



**A.C. PAVEMENT TRANSITION
DETAIL TO EXISTING TILED AREA**
Not to Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

5/31/16	Added Accessible Parking Stalls and Access Aisle Grading Details.
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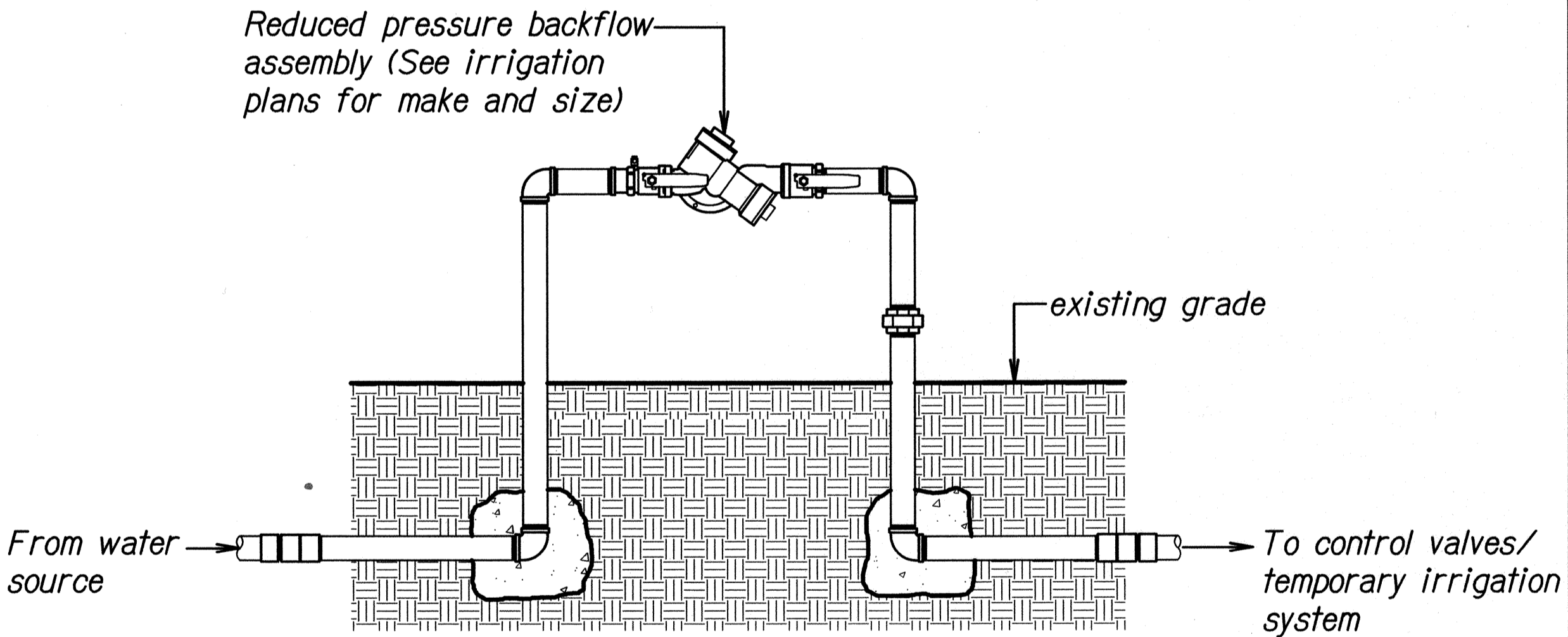
DATE	REVISION
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
OFFICE RENOVATION SITE TYPICAL DETAILS
COMMERCIAL DRIVER'S LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY EXAMINATION SITE AND OFFICE RENOVATION Beneath Interstate Route H-1 Pearl City Viaduct Project No. HWY-0-08-14
Scale: Not to Scale Date: May 2016
SHEET No. 1 OF 1 SHEETS

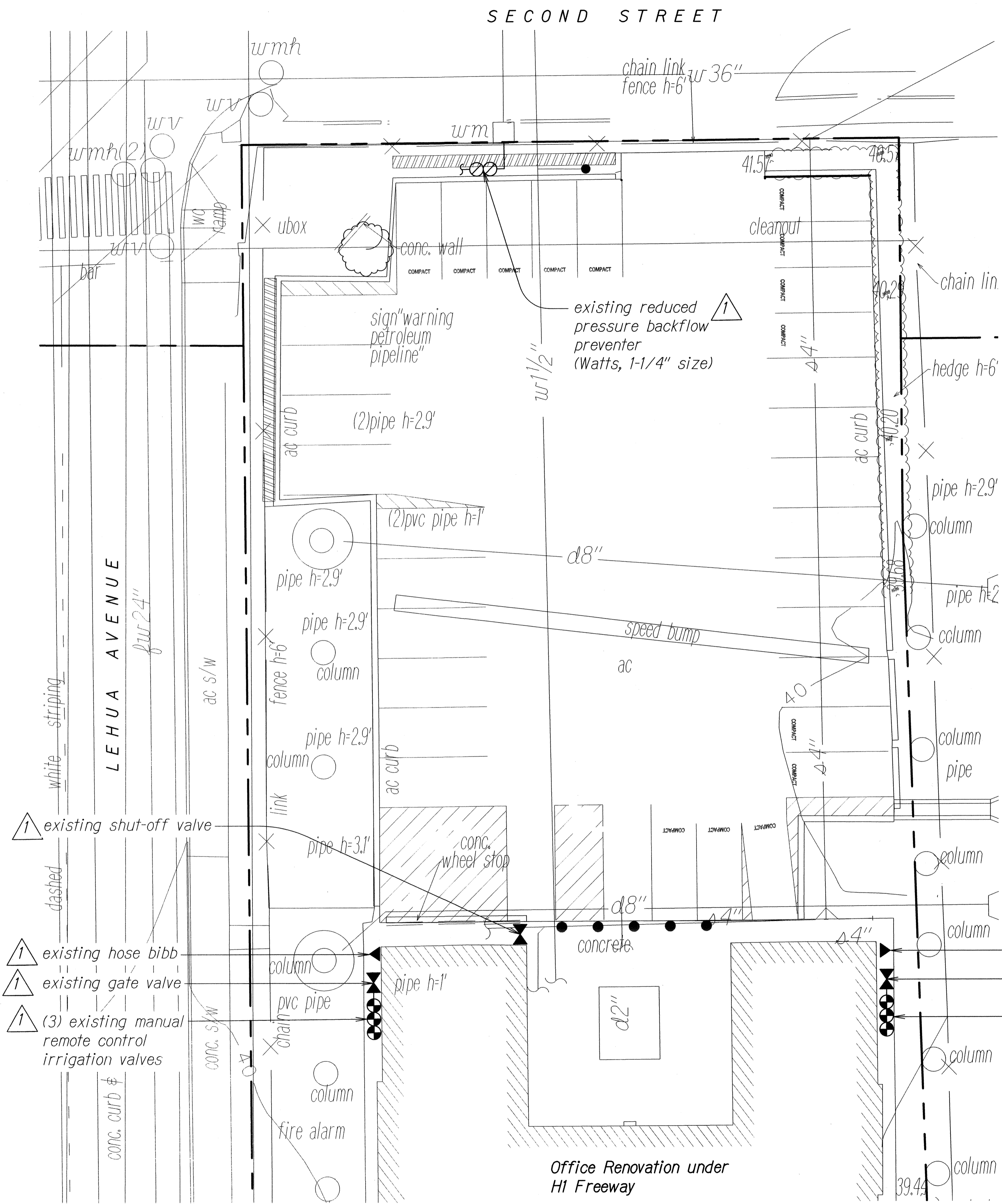
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 52 S-1	88

TEMPORARY IRRIGATION NOTES: 1

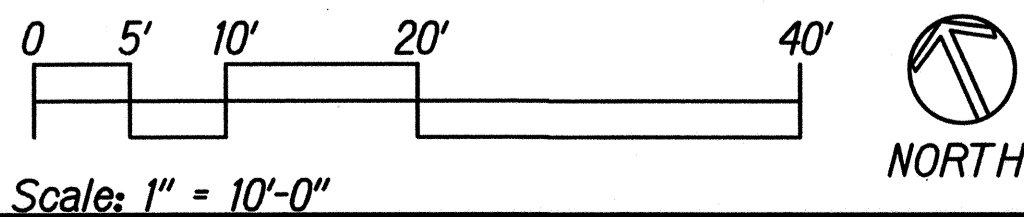
- Support new planting with existing irrigation system or install above grade temporary irrigation system.
- If installing an above grade temporary irrigation system, point of connection shall be after the reduced pressure backflow preventer. See Detail 1 on this sheet.
- All temporary irrigation materials shall be removed from site after final acceptance of the new plantings.
- Existing water meters, valves, and irrigation point of connection are derived from the best available information and on-site inspection. Contractor shall verify those points of connection noted and report any discrepancies to the Engineer.
- Contractor shall secure all necessary permits and observe all local codes and regulations.
- Install sprinkler heads minimum 6" away from sidewalks, curbs, driveways, pavement and walls unless otherwise noted.
- Within 30 calendar days after notice to proceed of the contract, submit for the Engineer's acceptance detailed scaled drawings and wiring diagrams for the temporary irrigation systems. Submit product literature of the materials being used.



1 **REDUCE PRESSURE BACKFLOW PREVENTER (RPBP) DETAIL**
Not to scale

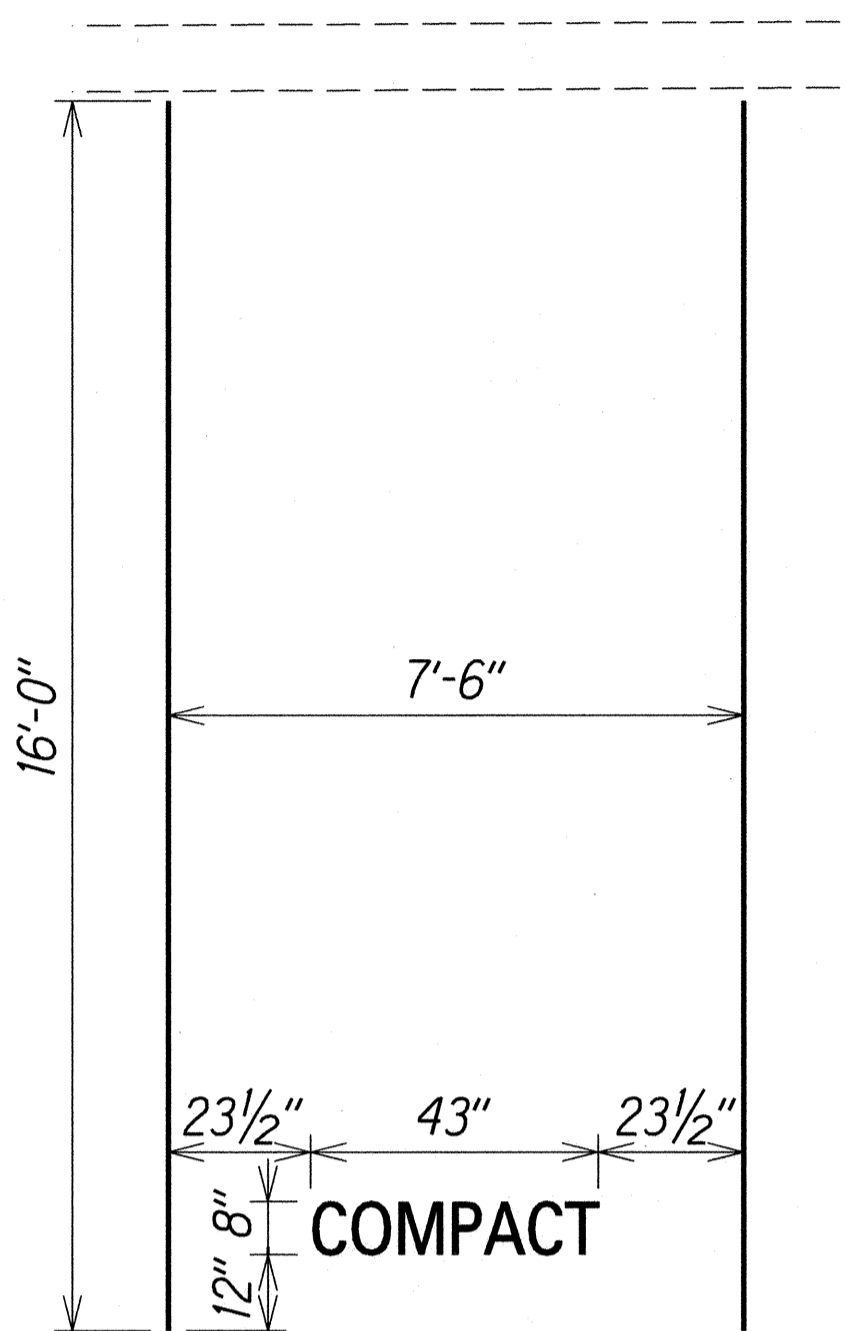
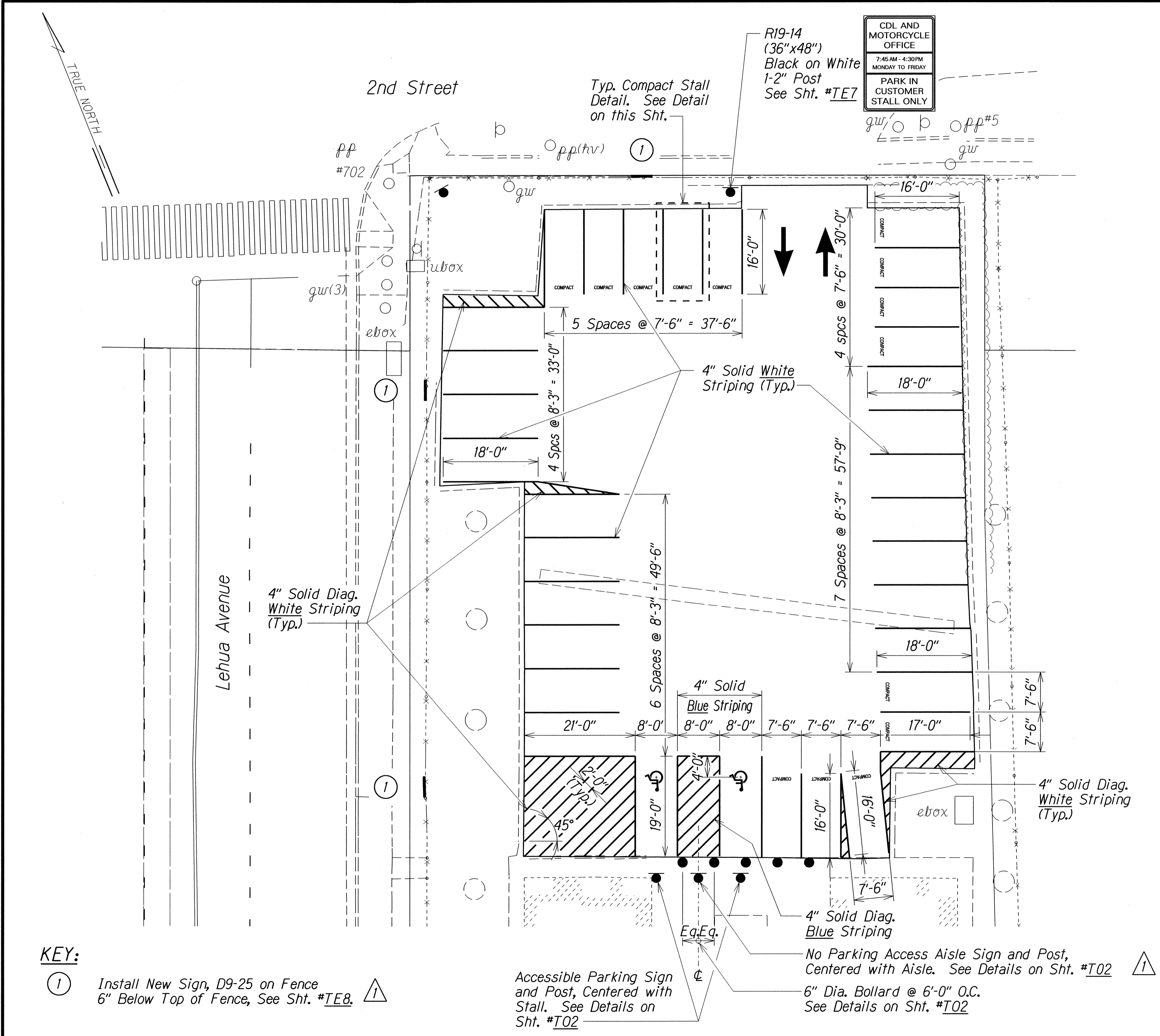


OFFICE EXISTING IRRIGATION PLAN
Scale: 1" = 10'-0"



<div style="border: 1px solid black; padding: 5px; text-align: center;">1</div>	6/2/16	Added existing irrigation valves. Added temporary irrigation notes. Added irrigation detail.
DATE	REVISION	
<div style="text-align: center;"><p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p><p><u>OFFICE PLANTING PLAN</u></p><p><u>COMMERCIAL DRIVER'S LICENSE AND</u></p><p><u>MOTORCYCLE LICENSE TESTING FACILITY</u></p><p><u>EXAMINATION SITE AND OFFICE RENOVATION</u></p><p><u>Beneath Interstate Route H-1 Pearl City Viaduct</u></p><p><u>Project No. HWY-0-08-14</u></p><p>Scale: 1" = 10'-0" Date: May 2016</p></div>		
SHEET No. L3A OF 3 SHEETS		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 53	88




TYPICAL COMPACT STALL DETAIL
N.T.S.

KEY:
① Install New Sign, D9-25 on Fence 6" Below Top of Fence, See Sht. #TE8.

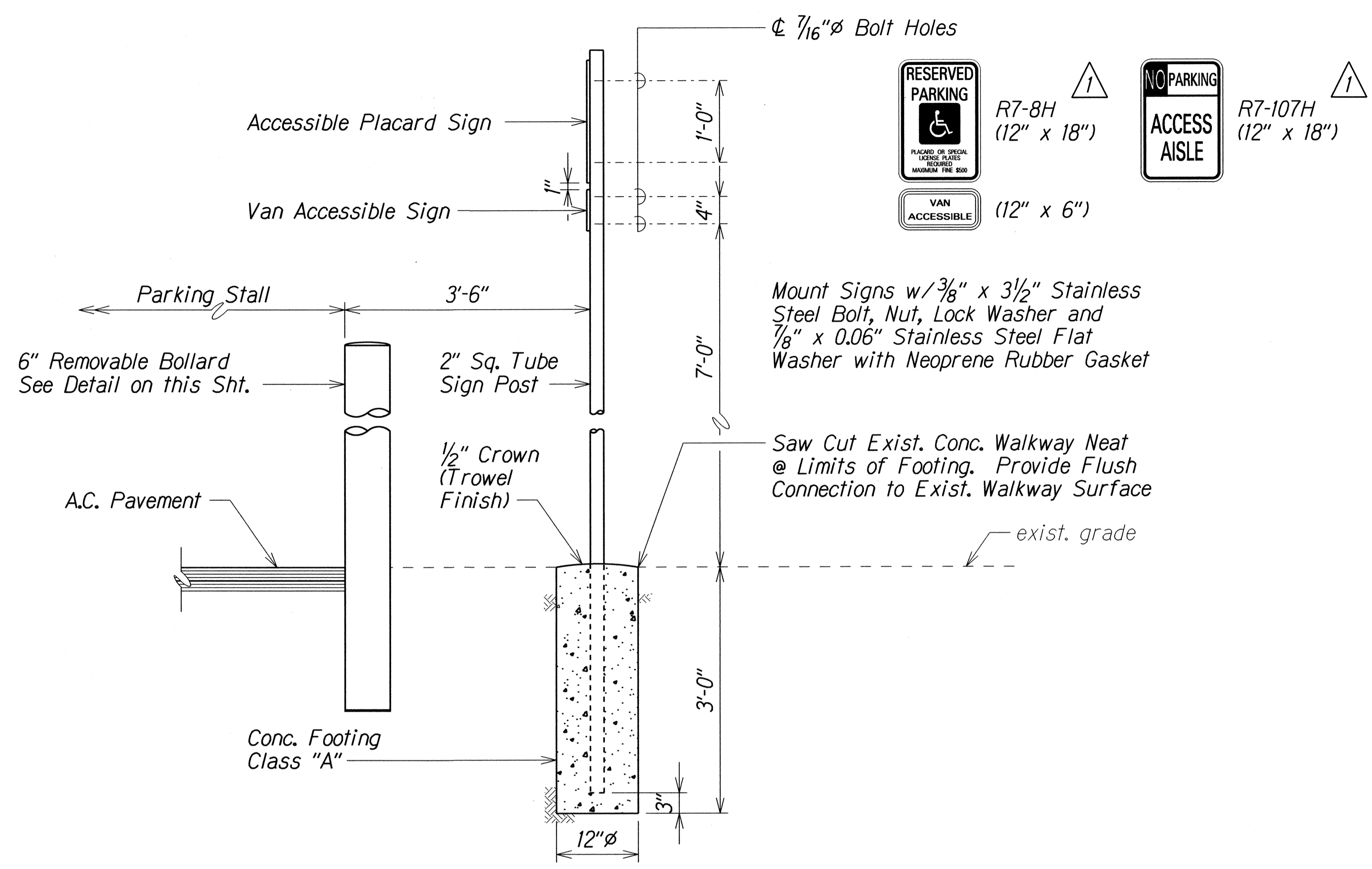
Accessible Parking Sign and Post, Centered with Stall. See Details on Sht. #TQ2
No Parking Access Aisle Sign and Post, Centered with Aisle. See Details on Sht. #TQ2
6" Dia. Bollard @ 6'-0" O.C. See Details on Sht. #TQ2

OFFICE RENOVATION SITE PAVEMENT MARKING AND SIGNING PLAN
1"=10'-0"

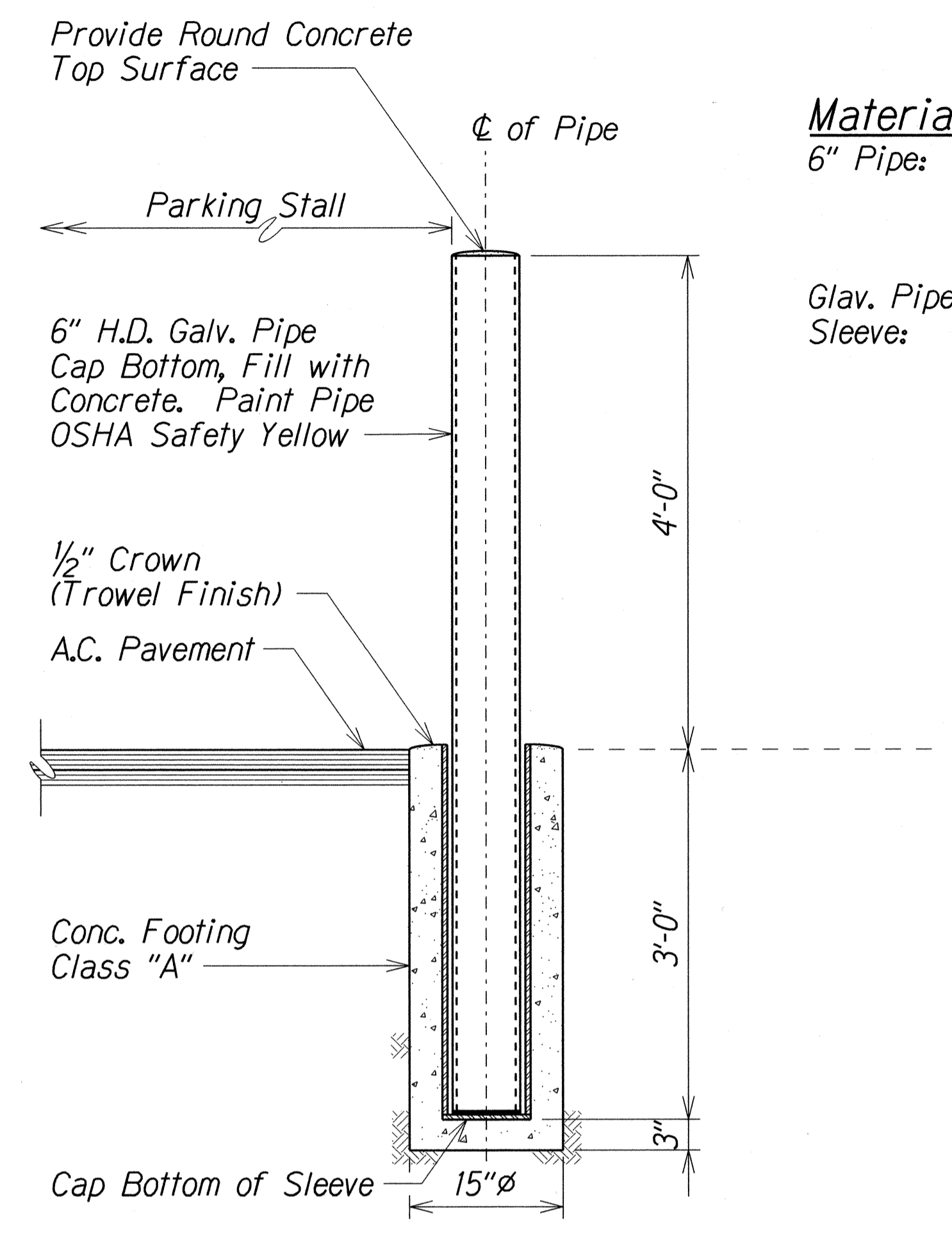
	5/26/16	REVISED CALLOUT ADDED SIGN AND CALLOUT
	DATE	REVISION

<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><u>OFFICE RENOVATION SITE PAVEMENT MARKING AND SIGNING PLAN</u></p> <p><u>COMMERCIAL DRIVERS LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY</u></p> <p><u>EXAMINATION SITE & OFFICE RENOVATION</u></p> <p><u>Beneath Interstate Route H-1 Pearl City Viaduct</u></p> <p><u>Project No. HWY-0-08-14</u></p> <p>Scale: 1"=10'-0" Date: May 2016</p>
<p>SHEET No. <i>T01</i> OF 2 SHEETS</p>

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 54	88

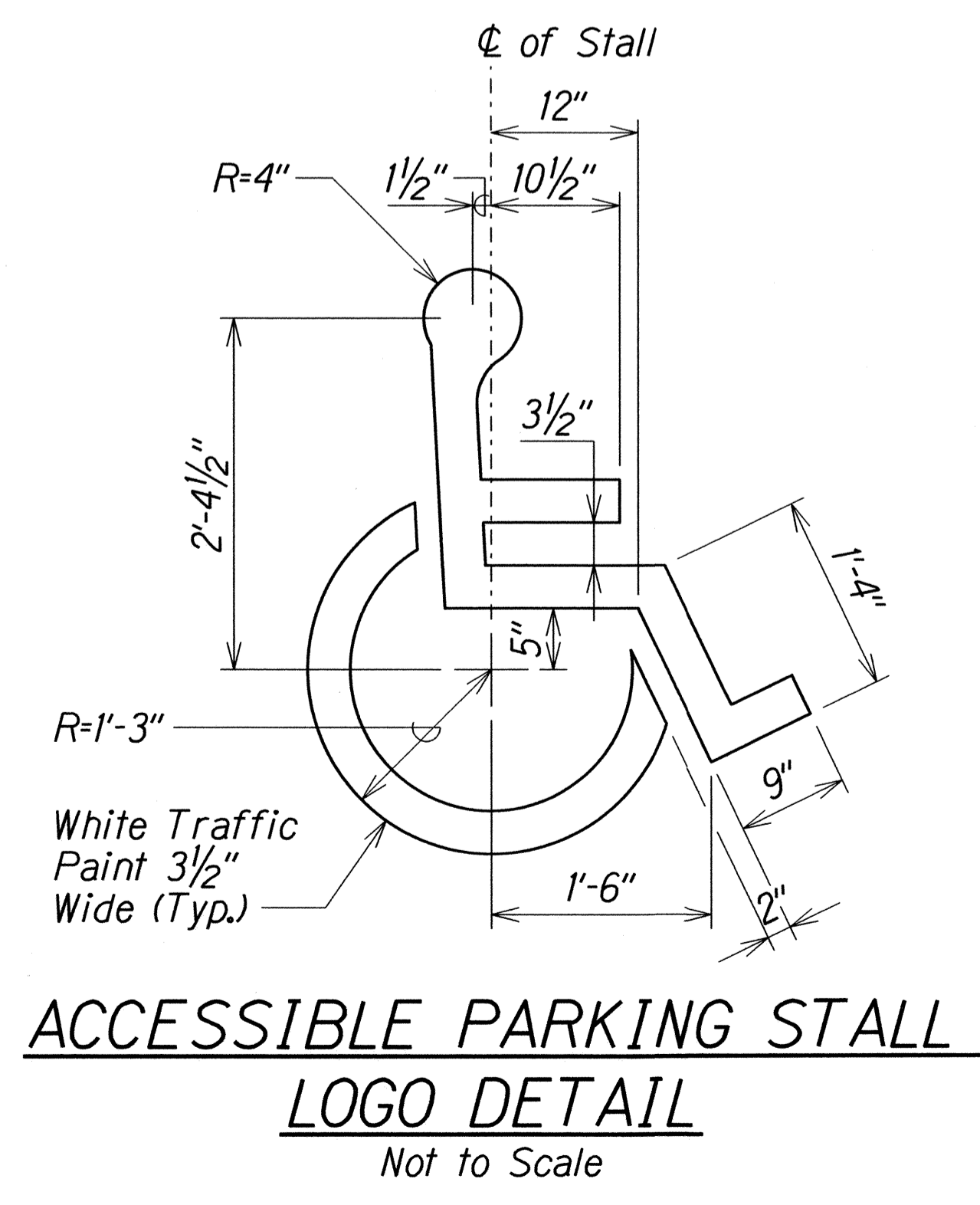


TYPICAL ACCESSIBLE PARKING SIGN AND POST
 Not to Scale



Materials for Bollard
 6" Pipe: Extra Strong
 O.D. = 6.625"
 I.D. = 5.761"
 Galv. Pipe Sleeve: Extra Strong
 O.D. = 8.625"
 I.D. = 7.625"

6" REMOVABLE BOLLARD DETAIL
 Not to Scale



1

5/26/16

DATE

REVISED AND ADDED SIGN

REVISION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

COMMERCIAL DRIVERS LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY

EXAMINATION SITE & OFFICE RENOVATION

Beneath Interstate Route H-1 Pearl City Viaduct

Project No. HWY-0-08-14

Scale: N.T.S.

Date: May 2016

SHEET No. 702

OF 2

SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
10/1/16	
10/1/16	

General Notes

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 55	88

Land Use and Building Code Data

Address: 897 Second St. Pearl City, HI 96782
Tax Map Key: 9-7-020:069
Zoning: R-5
Lot Area: 23,605 S.F. total area
Scope of Work: Re-roofing & interior renovations to existing building.

Building Code Analysis:
Occupancy: B
Type of Construction: Type VB
Allowable Area: 9,000 S.F.
Actual Area: 4,200 S.F.
Maximum Height Allowed: 2 Stories
Actual Height: 1 Story

1. Laws and ordinances: as used herein shall mean all county, state and national codes, ordinances, standards, rules and regulations of any nature which are pertinent to, or regulatory over, the work covered by the contract documents of this project. All contractors shall comply fully with all applicable laws and ordinances. All construction shall conform to the current edition of the international building code and the latest city and county of honolulu/state of hawaii amendments, or the respective amendments by each county having jurisdiction of the project. The project shall conform to ADA accessibility requirements.
2. Conflict: In the case of any conflict wherein the methods, or standards of installation, or the specified materials are not equal to, or exceed the requirements of the laws or ordinances, the laws or ordinances shall govern. In the case of a discrepancy in the drawings or specifications, but not directly related to the provisions of codes, or ordinances, the contractor shall 1) provide the better quality, or greater quantity of work, or 2) comply with the more stringent requirement in accordance with the owner's/architect's interpretation. The contractor shall notify the owner and architect of all conflicts.
3. Conditions of the work: The information indicated on the drawings are based on limited field investigations and on the available resources at the time of document preparation. As a result, the accuracy and completeness of the information is not guaranteed. The contractor shall, therefore, verify the dimensions shown on the drawings with actual field measurements, examine the jobsite, verify all field conditions and provide the labor and materials required to complete the intended work. All work shall be performed in a professional manner that is of acceptable workmanship of the respective trades. The contractor shall notify the owner, or architect, prior to the commencement of work, if there are any dimensional discrepancies, or if there are any conditions that exist which may prevent the contractor's performance of work, and/or of any and all additional work that may be required as a result of the observed condition.
4. Intent of the drawings: The drawings are intended to define and establish the physical requirements of the project, i.e., the design, location and dimensions of the work, based on recognized standards, even if not actually shown, but reasonably inferred. All work shown is "new" unless otherwise noted as "existing." the contractor shall review and verify the information on all drawings before performing the work and notify the owner, or architect, of any discrepancies. The contractor shall coordinate the work of all subcontractors/trades to achieve the design intent and specified requirements and is responsible to complete any and all work associated with such coordination.
5. Completion of the work: The contractor shall in the work of all trades, perform any and all cutting, patching, repairing, restoring and the like necessary to complete the work and restore any damaged or affected surfaces resulting from the work of this contract to their original condition to the satisfaction of the architect and the owner, or his agent. Where walls, equipment, or any item is removed, exposed surfaces shall be patched and finished to match existing adjacent conditions. All exposed electrical wiring and plumbing pipes shall be re-routed into new or existing walls and meet all applicable code requirements and standard construction practices. The contractor is solely responsible for all means, methods, techniques, sequences and procedures of construction, including, but not limited to safety precaution.
6. Clean up: The contractor shall clean and remove any trash, dirt, debris and spillage arising from the work daily to the satisfaction of the owner and the architect, including: cleaning of dirt, putty, paint, dust, etc. from areas counter tops, door and window faces and frames.

7. All existing surfaces shall be inspected and all necessary preparatory work shall be done in order to receive new finishes
8. Each subcontractor shall be responsible to verify adequate surface conditions that exist for their work. If adequate surface conditions do not exist the subcontractor shall not commence work until the condition is corrected.
9. Provide stiffeners, bracing, back-up plates, etc. as required at stud walls for support of fixtures and other equipment.
10. Warranty and guarantee: If within one (1) year after the date of substantial completion, any of the work is found to be defective or not in accordance with the contract documents, the contractor shall correct it properly after receipt of written notice from the owner.
11. Dimensions: Unless otherwise noted in the construction documents, all dimensions are taken to the face of stud
12. The contractor shall protect all existing electrical and utility lines which are to remain, free from damage during the progress of the work.
13. Execute all work in an orderly and careful manner with due consideration of existing structure or surfaces which are to remain.
14. Any damage done to the existing structure and finishes which are to remain, including all areas or surfaces where demolition occurs, shall be the contractor's responsibility to repair and refinish at no cost to the owner. At a minimum, the level of finish and materials shall match pre-existing conditions.
15. The contractor shall provide wall reinforcing as required for all plumbing fixtures, grab bars and accessories. at existing walls, the contractor shall remove existing wall finishes as required to install new reinforcement and finish wall to its condition as shown on the plans.
16. The contractor shall verify all dimensions, conditions, types, and quantities prior to starting all work.
17. All dimensions for plumbing fixtures, grab bars and plumbing accessories are taken from finish wall.
18. The contractor shall clean and prepare all new and existing surfaces as required to receive new work or as otherwise required for a neat and finished appearance.
19. The contractor shall visit the job site and verify the existing condition before proceeding with the described and specified work.
20. Inform the contracting officer of any and all discrepancies or deviations from the contract documents before proceeding with the work.
21. All work shall conform to the requirements of the international building code 2006 edition, the latest amendments of the city and county of honolulu, land use ordinance 2003 edition and the 2010 ADA Standards for Accessible Design.

ORIGINAL PLAN	DATE
REVISED BY	
DRAWN BY	
TRACED BY	
NOTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



5/20/2016

Revised Note 21.

DATE

REVISION

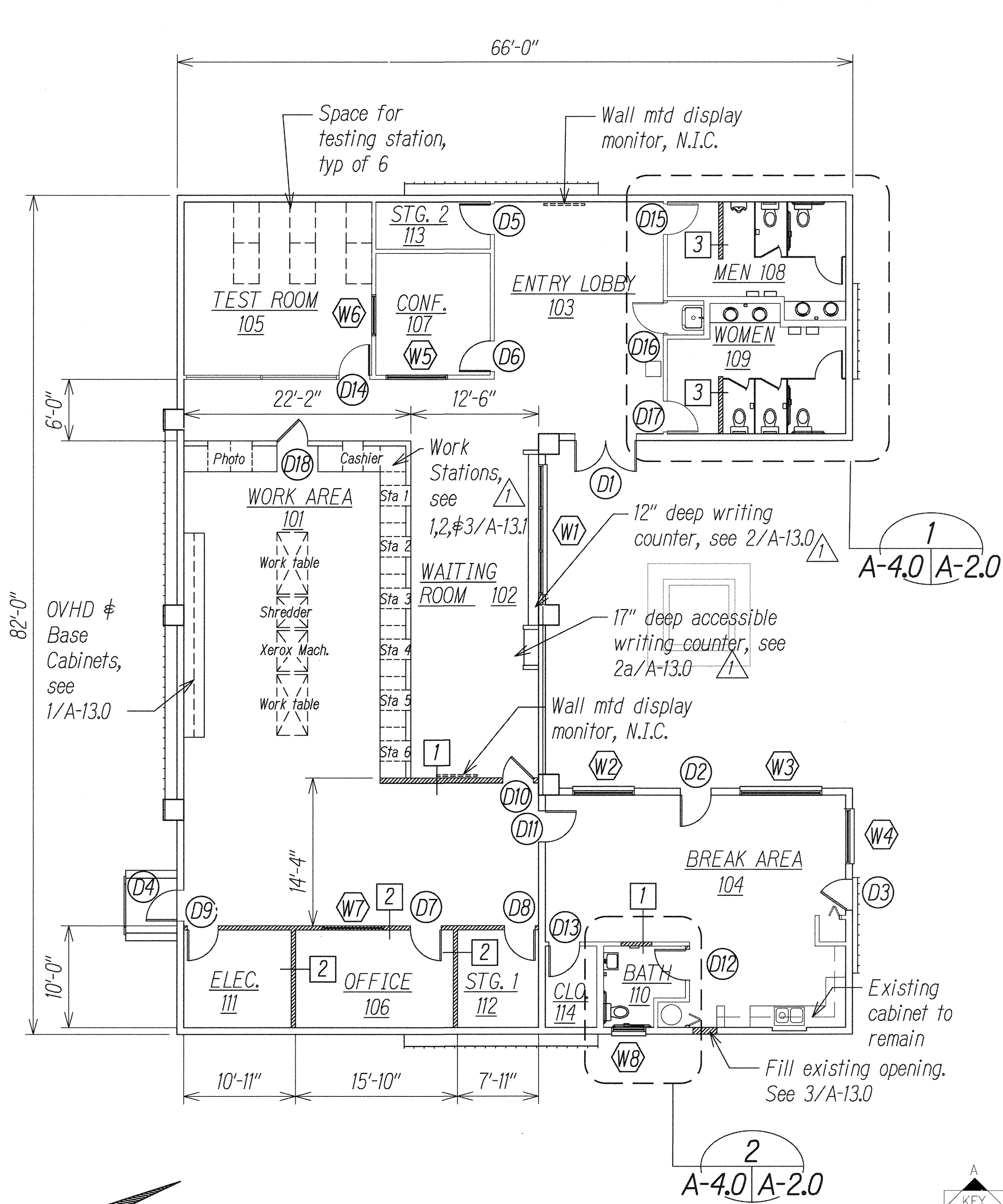


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

Steven D. Wong
MITSUNAGA & ASSOCIATES, INC.
EXP. 4/30/16

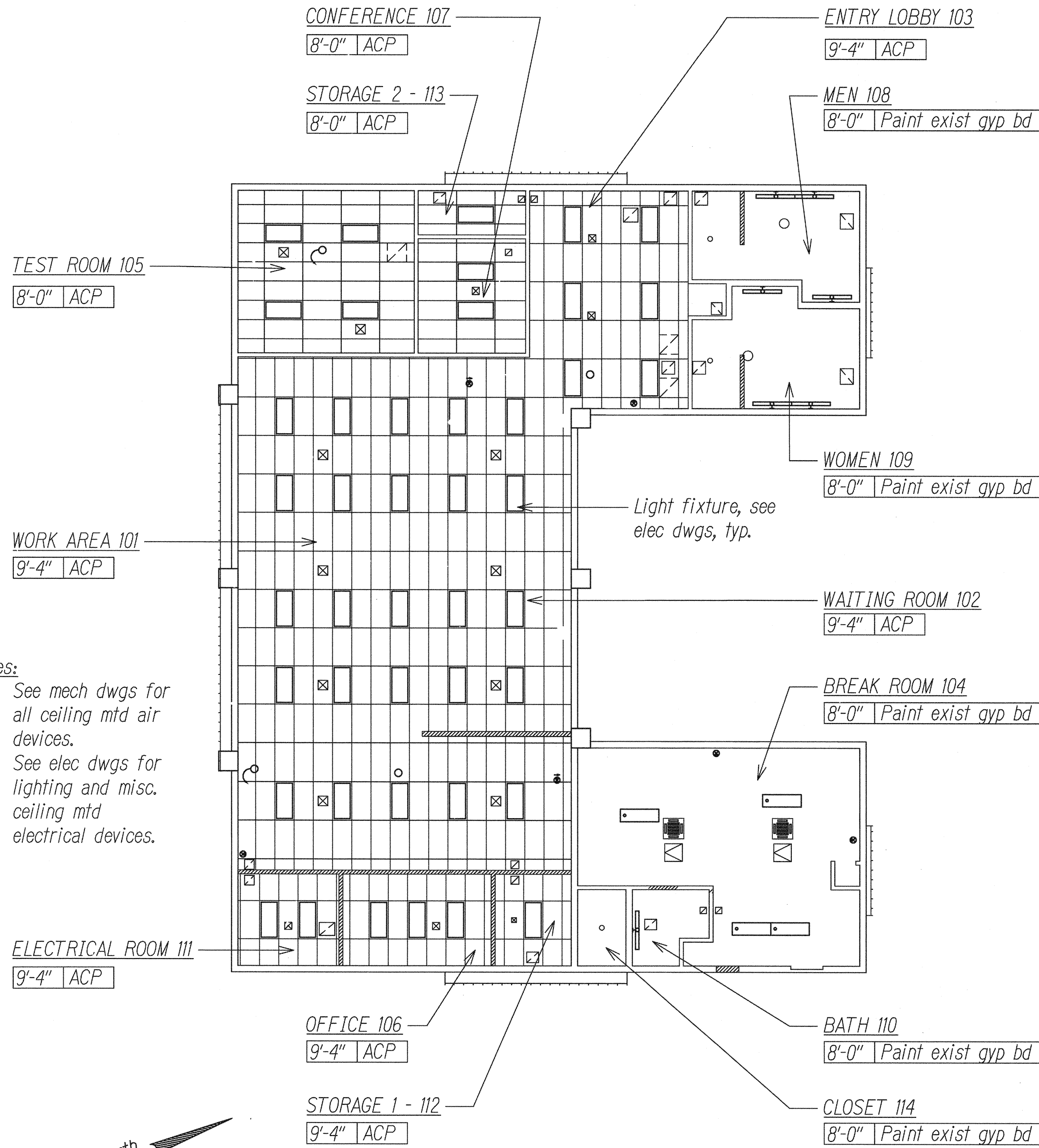
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
LAND USE & BUILDING CODE DATA
COMMERCIAL DRIVER'S LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY EXAMINATION SITE AND OFFICE RENOVATION Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-0-08-14
Date: June 2016
SHEET No. A-1 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 57	88



New Floor Plan
Scale: 1/8" = 1'-0"

Wall legend:
Existing walls
New walls



New Reflected Ceiling Plan
Scale: 1/8" = 1'-0"

- Notes:
- See mech dwgs for all ceiling mtd air devices.
 - See elec dwgs for lighting and misc. ceiling mtd electrical devices.

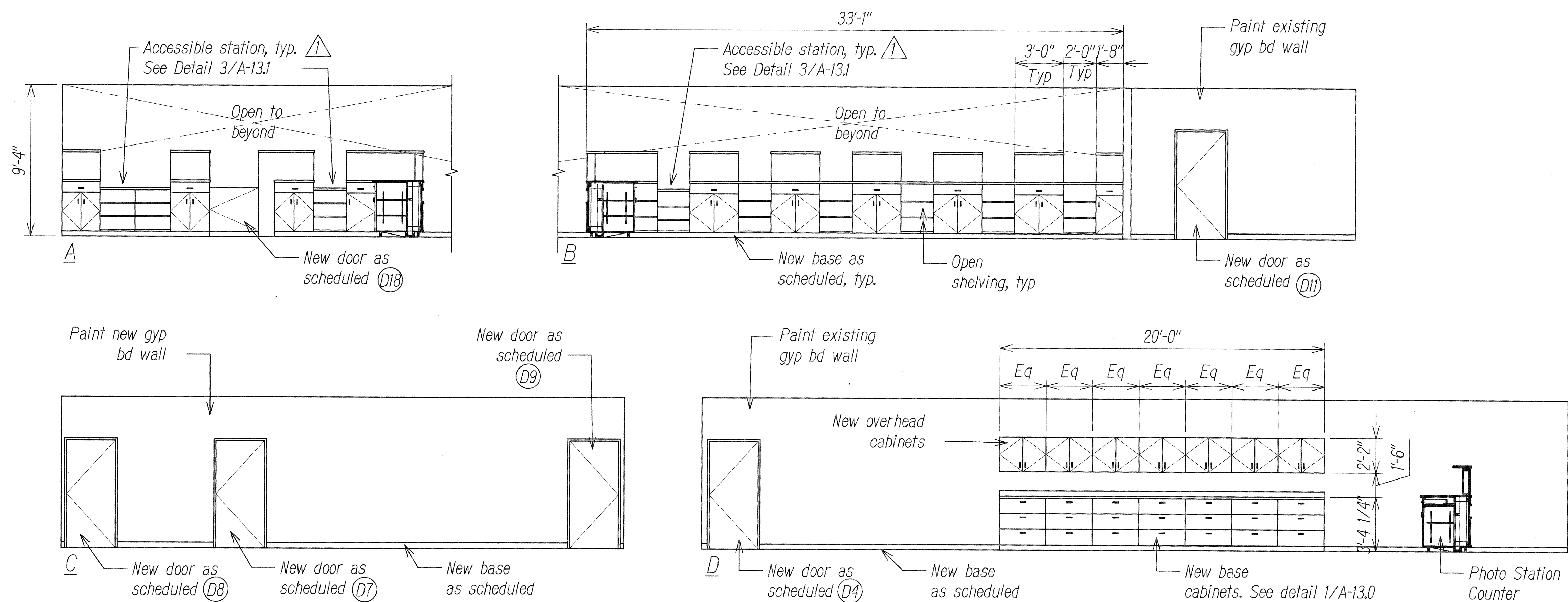
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____

5/20/2016	Added writing counter & revised details.
DATE	REVISION

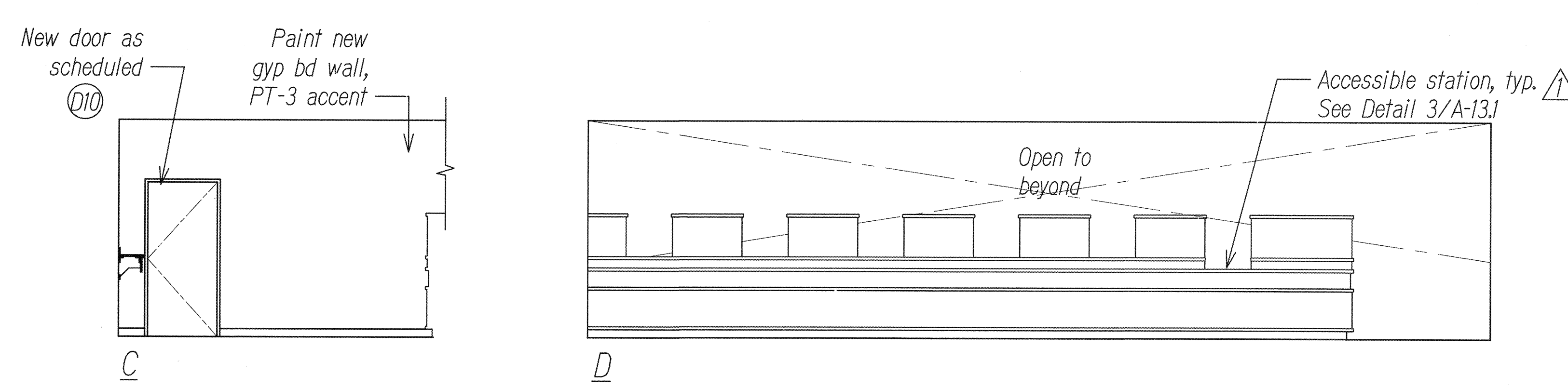
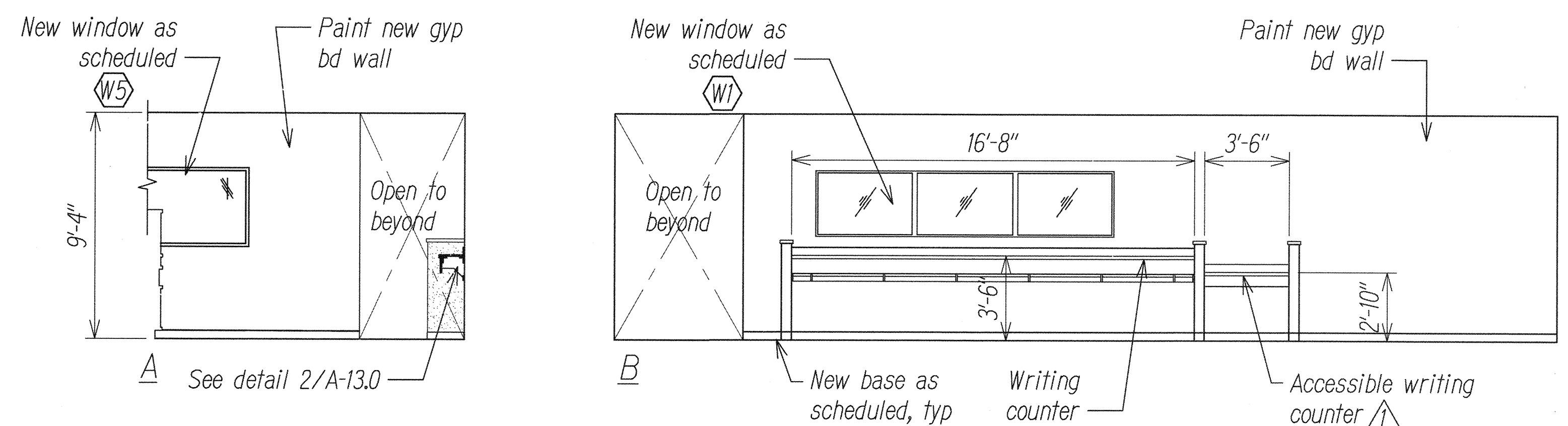
STEVEN D. WONG
LICENSED PROFESSIONAL ARCHITECT
No. 4646
HAWAII U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
MITSUNAGA & ASSOCIATES, INC.
EXP. 4/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NEW FLOOR & REFLECTED CEILING PLAN
COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-0-08-14
Scale: 1/8" = 1'-0" Date: June 2016
SHEET No. A-3 OF 16 SHEETS

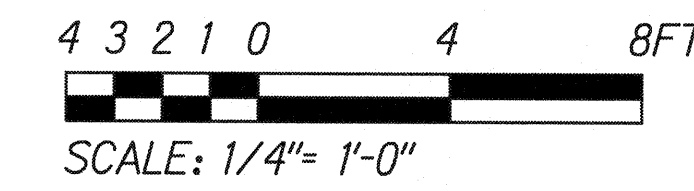
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-08-14	2016	ADD. 61	88



RM 101 - WORK AREA

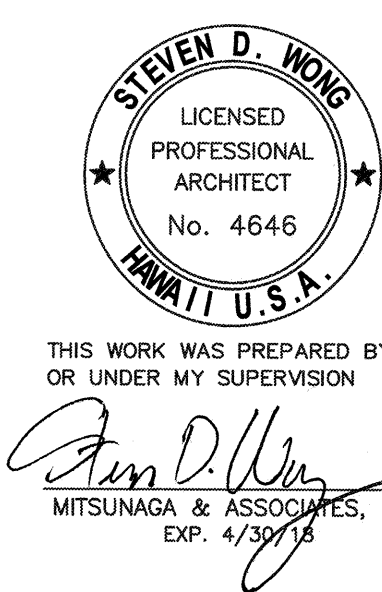


RM 102 - WAITING ROOM



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

Δ	5/20/2016	Added callouts for accessible stations.
DATE	REVISION	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERIOR ELEVATIONS

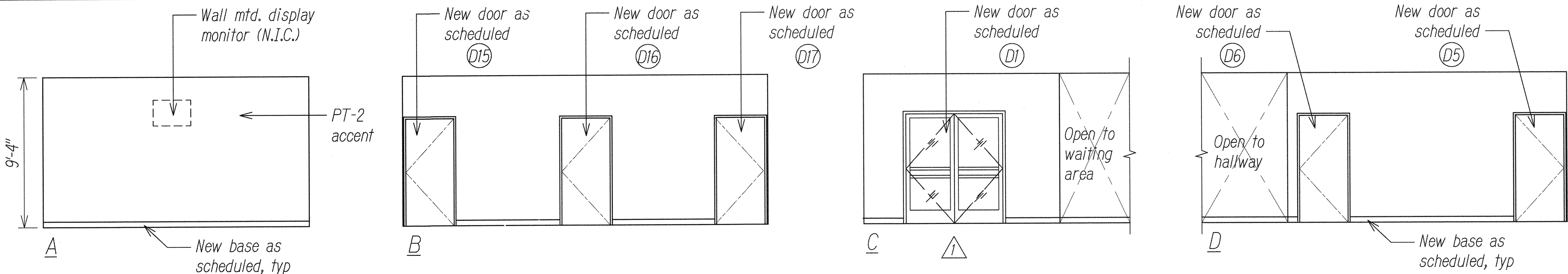
COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
Beneath Interstate Route H-1 Pearl City Viaduct

Project No. HWY-O-08-14

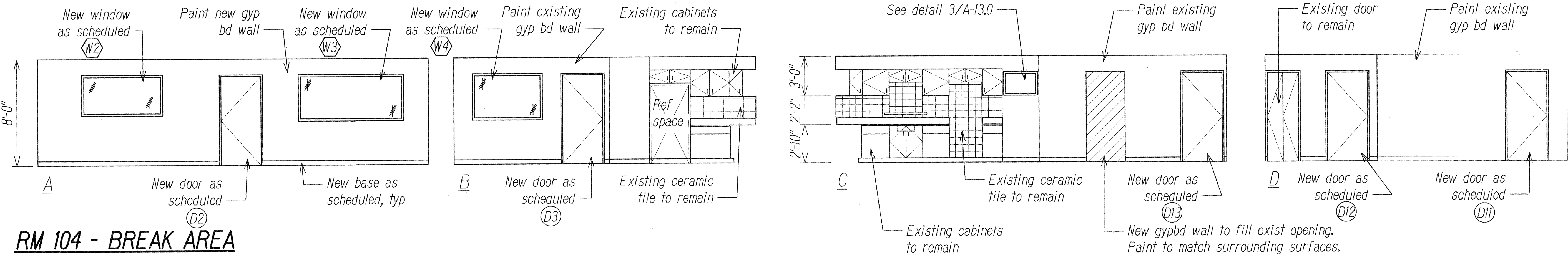
Scale: 1/4" = 1'-0" Date: June 2016

SHEET No. A-7 OF 16 SHEETS

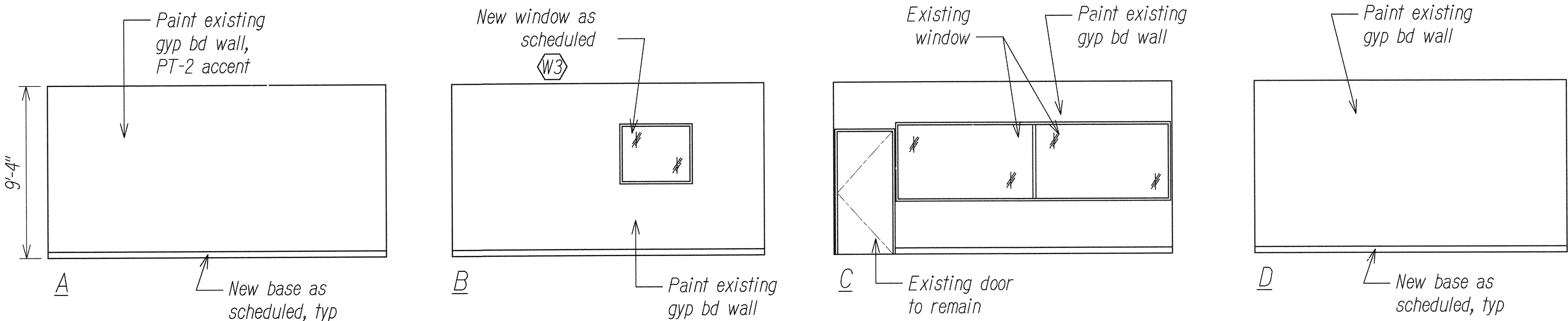
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 62	88



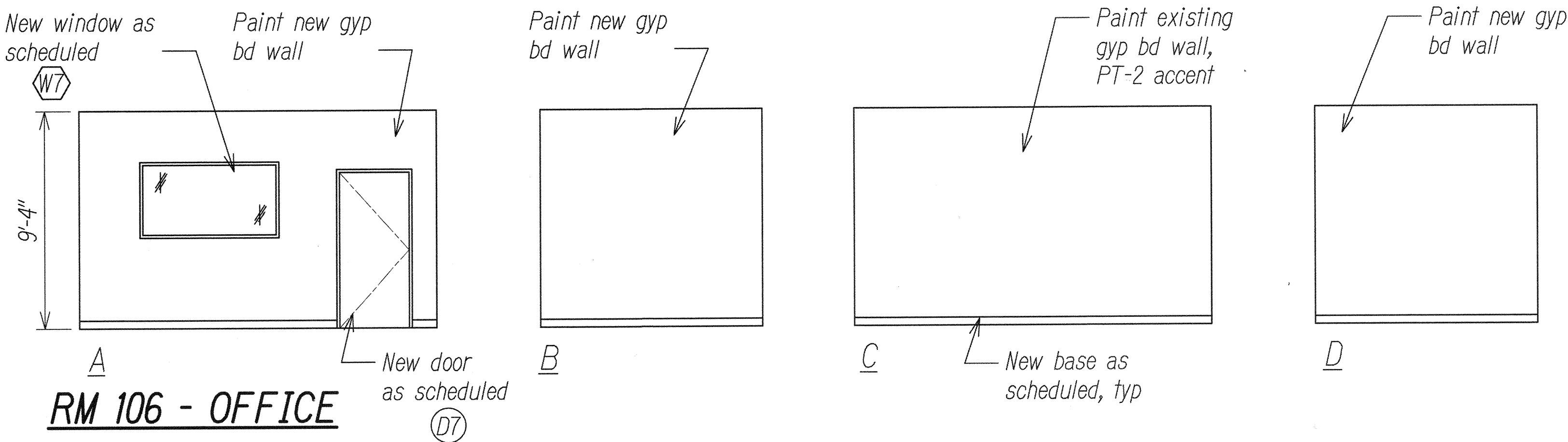
RM 103 - ENTRY LOBBY



RM 104 - BREAK AREA



RM 105 - TEST ROOM



RM 106 - OFFICE

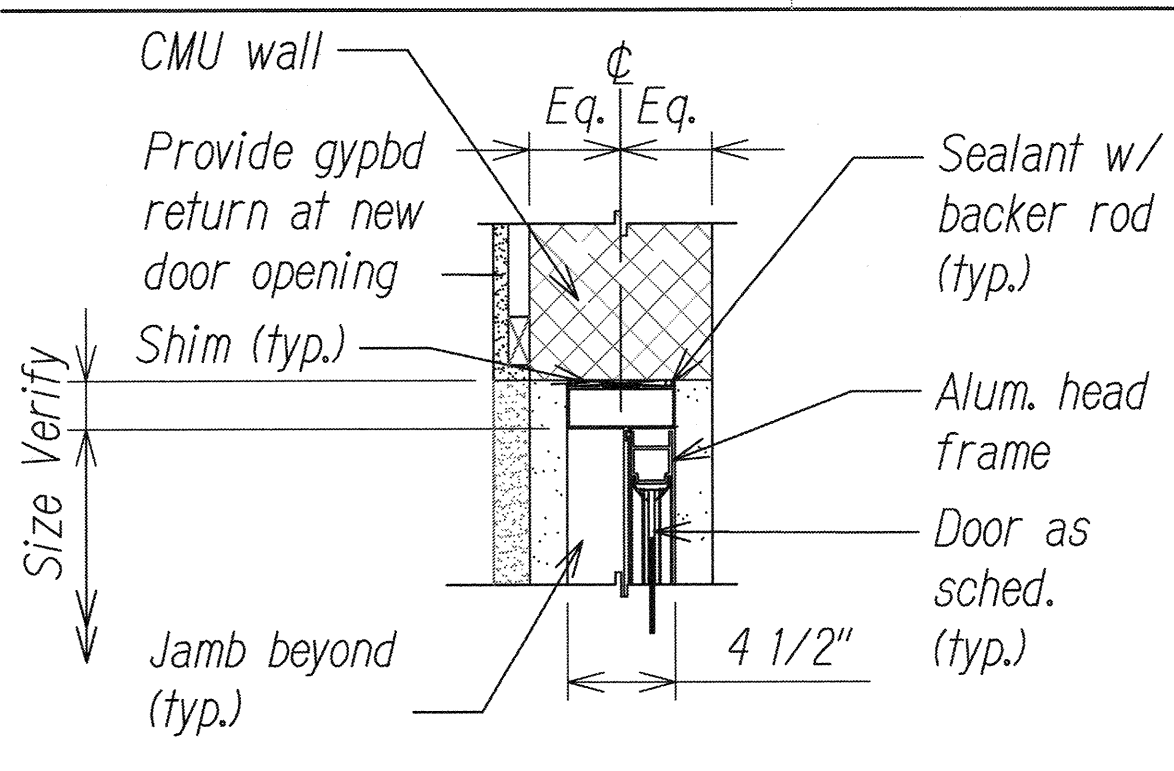
4 3 2 1 0 4 8FT
SCALE: 1/4" = 1'-0"



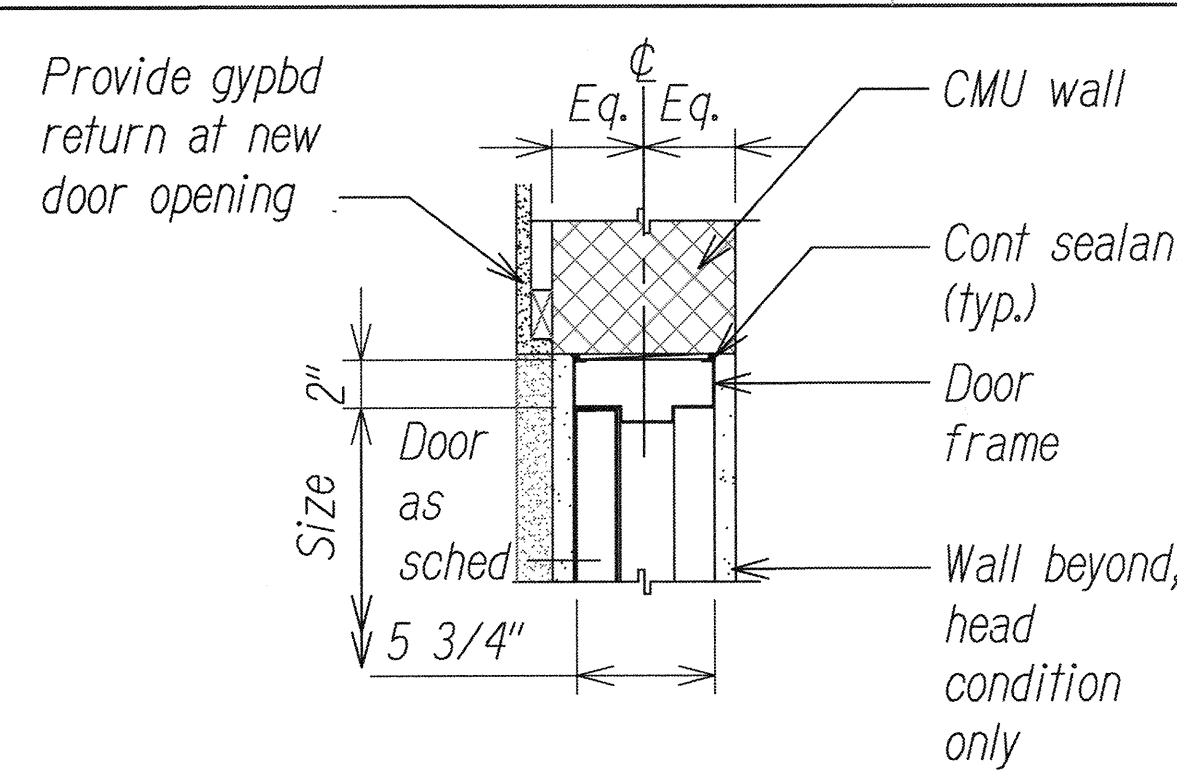
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Steven D. Wong
MITSUNAGA & ASSOCIATES, INC.
EXP. 4/30/18

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
INTERIOR ELEVATIONS
COMMERCIAL DRIVER'S LICENSE AND
MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-0-08-14
Scale: 1/4" = 1'-0" Date: June 2016
SHEET No. A-8 OF 16 SHEETS

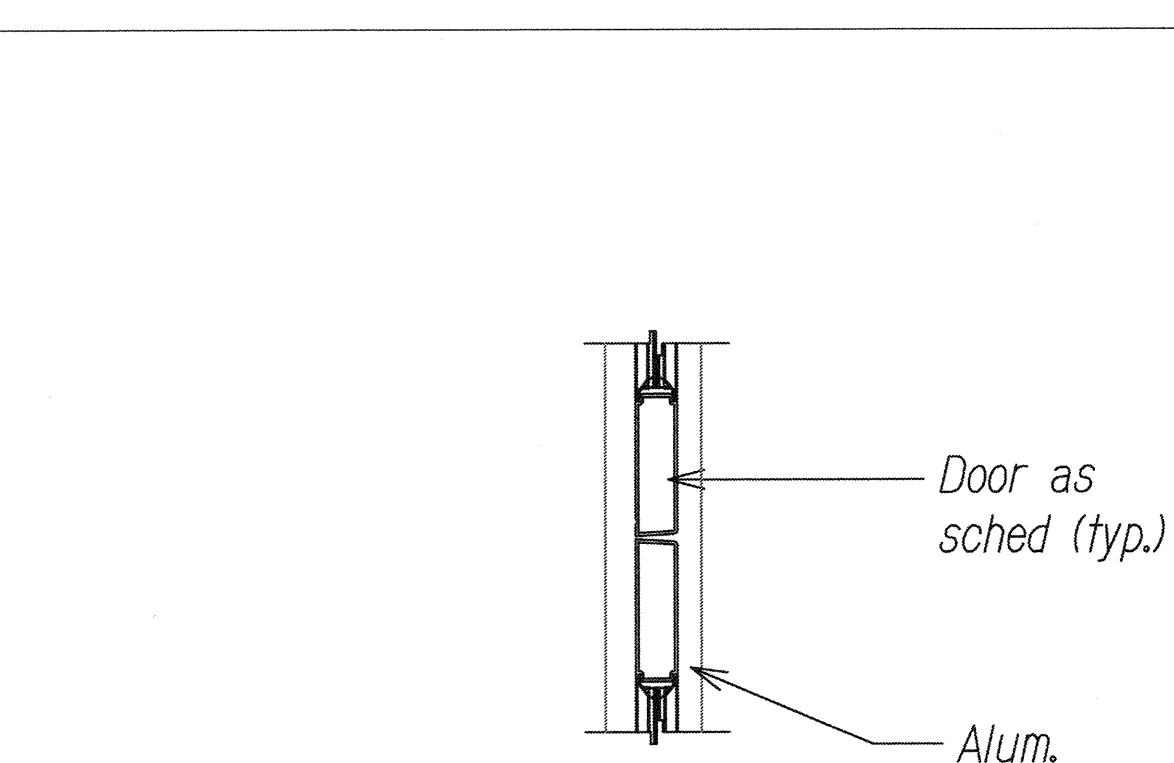
5/20/2016	Revised new door callout for entry lobby.
DATE	REVISION



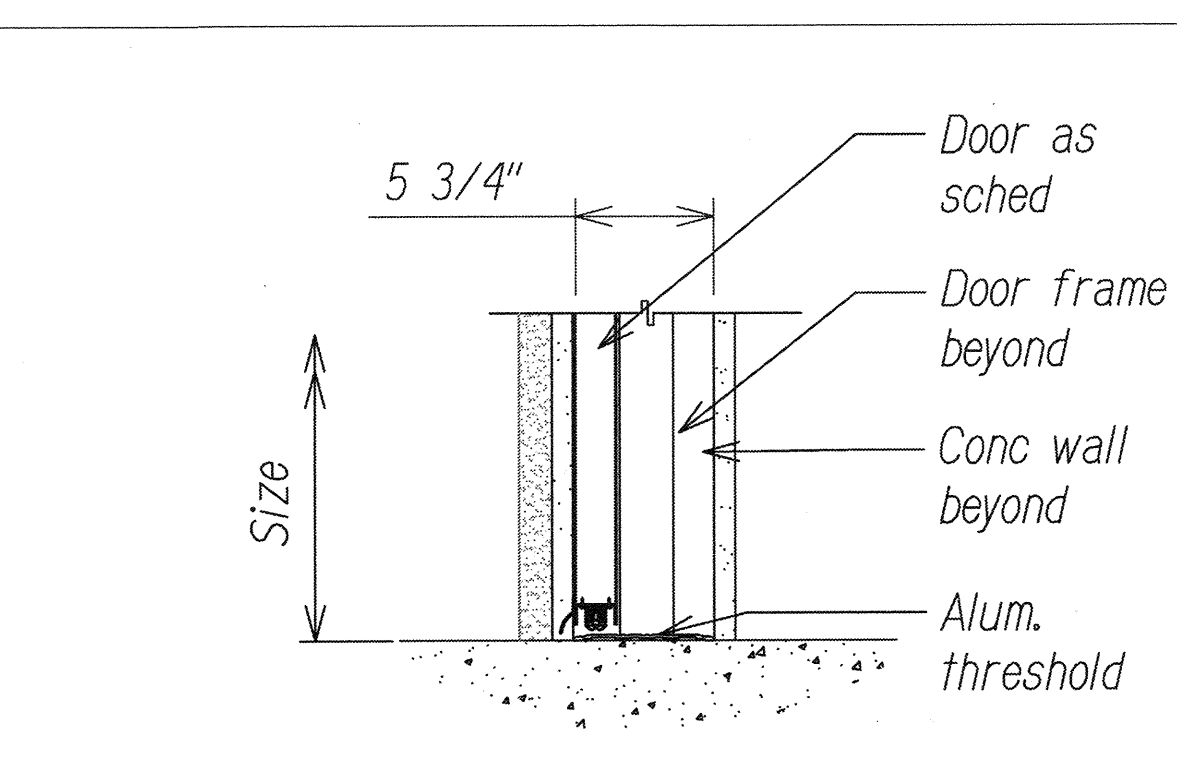
1 Head Detail (Jamb Sim)
A-10/A-10 Scale: 1-1/2"= 1'-0"



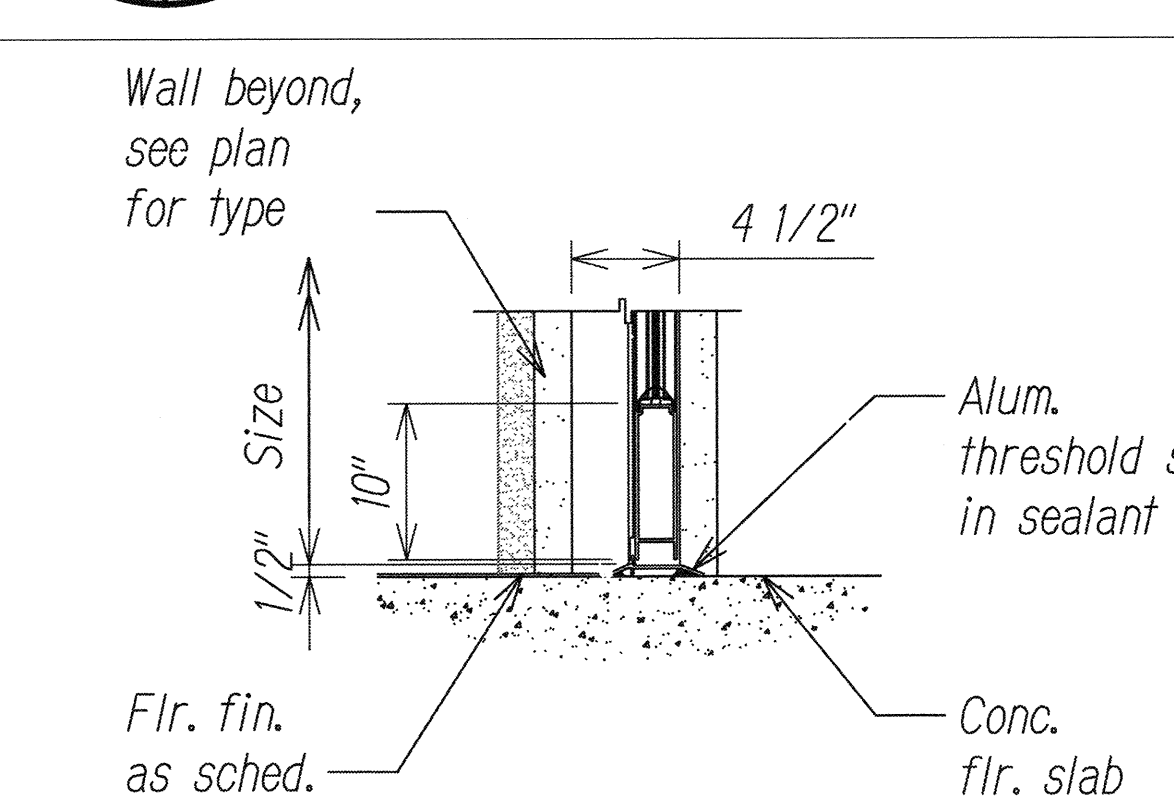
5 Head Detail (Jamb Sim)
A-10/A-10 Scale: 1-1/2"= 1'-0"



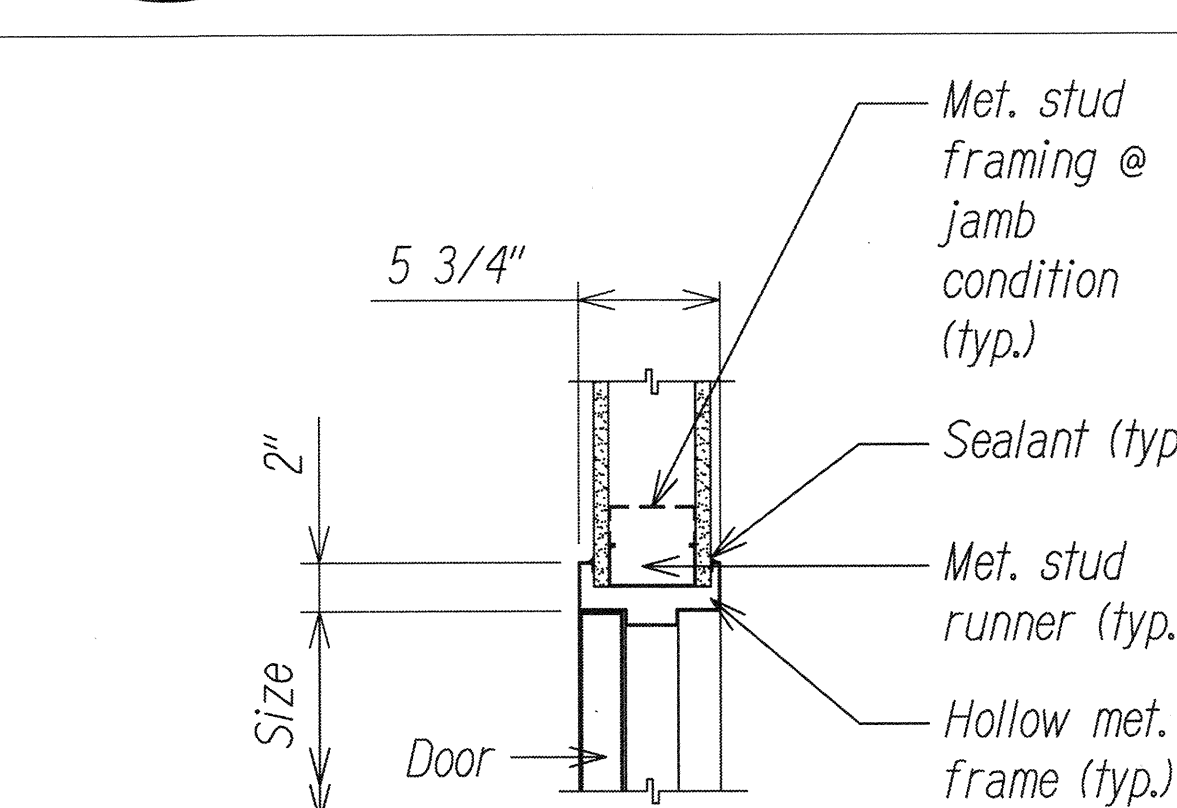
2 Meeting Stiles
A-10/A-10 Scale: 1-1/2"= 1'-0"



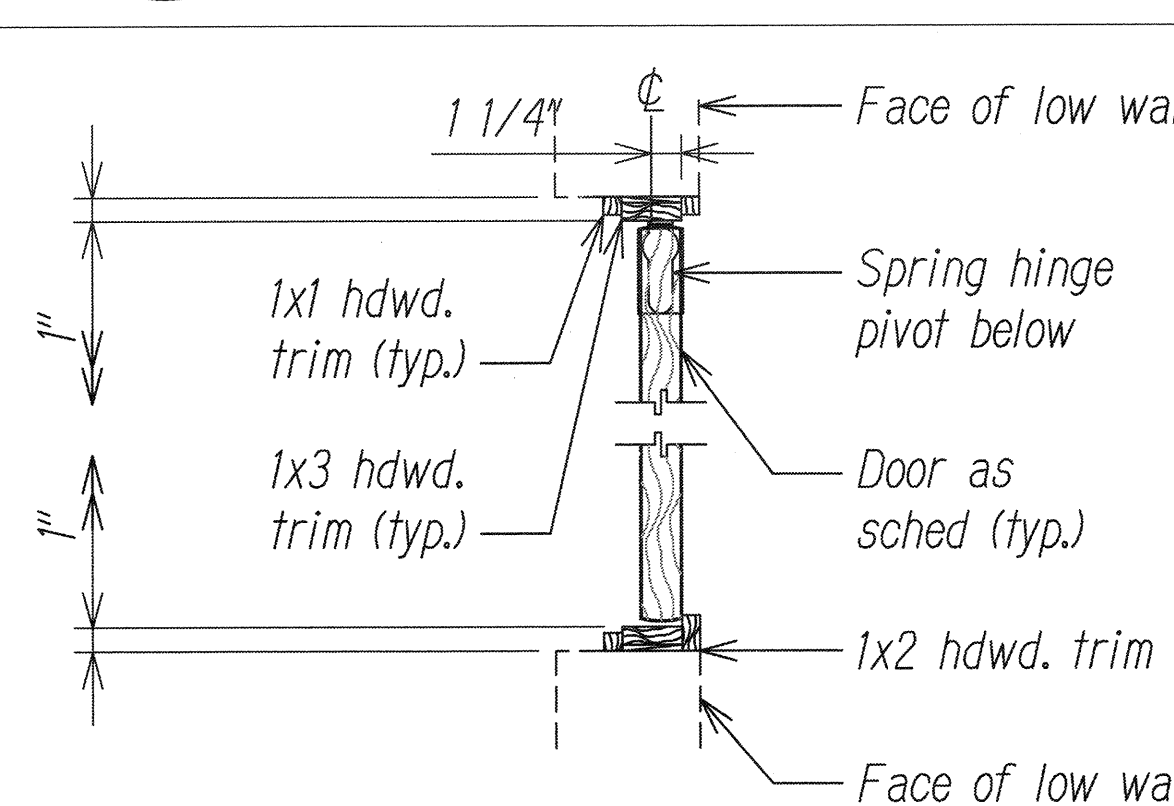
6 Threshold Detail
A-10/A-10 Scale: 1-1/2"= 1'-0"



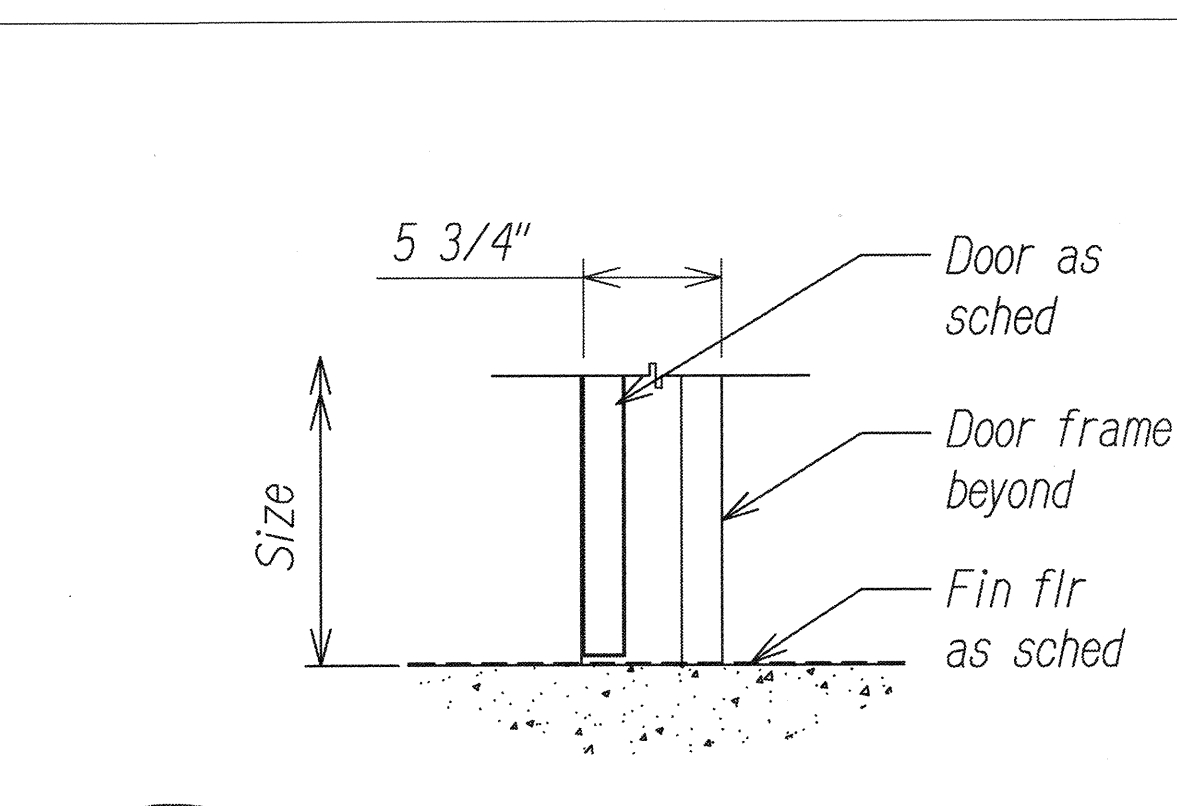
3 Threshold Detail
A-10/A-10 Scale: 1-1/2"= 1'-0"



7 Head Detail (Jamb Sim)
A-10/A-10 Scale: 1-1/2"= 1'-0"



4 Jamb Details
A-10/A-10 Scale: 1-1/2"= 1'-0"

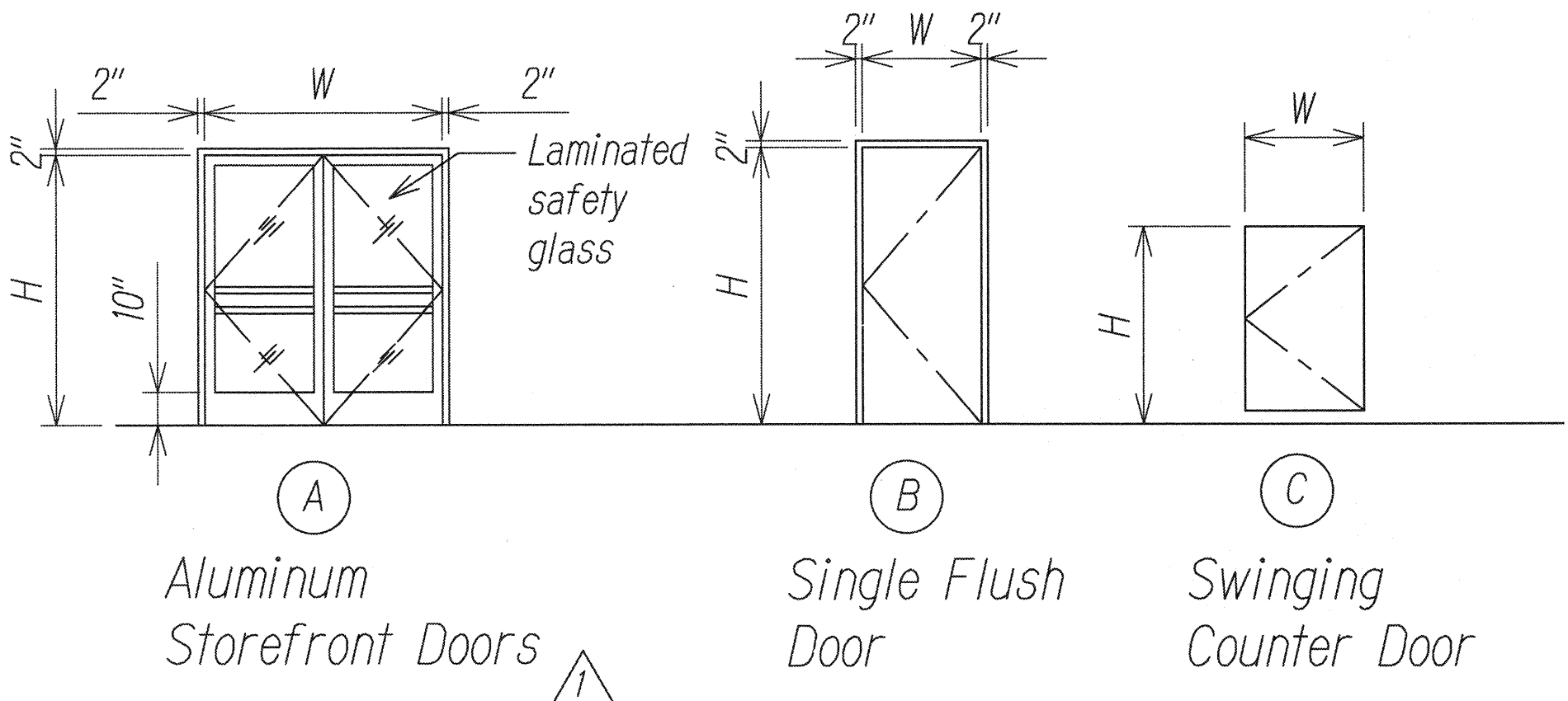


8 Threshold Detail
A-10/A-10 Scale: 1-1/2"= 1'-0"

Door Schedule

Location	Room Name	Door No.	Type	Size			Door		Frame	Details				Hardware Group	Remarks
				Width	Height	Thk	Core	Material	Material	Head	Jamb	Meeting Stiles	Threshold		
Motor Vehicle Safety Office Testing Facility	Entry Lobby	1	A	6'-0"	6'-8"	1 3/4	--	--	Alum	1/A-10	1/A-10	2/A-10	3/A-10	9	
	Break Area	2	B	3'-0"	7'-0"	1 3/4	Hollow	Metal	Metal	5/A-10	5/A-X	--	6/A-X	1	
	Break Area	3	B	3'-0"	7'-0"	1 3/4	Hollow	Metal	Metal	5/A-10	5/A-10	--	6/A-10	1	
	Work Area	4	B	3'-0"	6'-8"	1 3/4	Hollow	Metal	Metal	5/A-10	5/A-10	--	6/A-10	2	
	Storage 2	5	B	3'-0"	6'-8"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-10	--	8/A-10	4	
	Conference Room	6	B	3'-0"	6'-8"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-10	--	8/A-10	4	
	Office	7	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-10	--	8/A-10	4	
	Storage 1	8	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-X	--	8/A-X	4	
	Electrical Room	9	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-10	--	8/A-10	4	
	Waiting Room	10	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-10	--	8/A-10	3	
	Break Area	11	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	1/A-10	1/A-10	--	X/A-10	3	
	Bath	12	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-10	--	8/A-10	6	
	Closet	13	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	7/A-10	7/A-10	--	8/A-10	4	
	Test Room	14	B	3'-0"	7'-9"	1 3/4	Solid	Wood	Metal	--	--	--	--	5	See Note 1
	Men	15	B	3'-0"	6'-8"	1 3/4	Solid	Wood	Metal	--	--	--	--	7	See Note 1
	Jan	16	B	3'-0"	6'-8"	1 3/4	Solid	Wood	Metal	--	--	--	--	4	See Note 1
	Women	17	B	3'-0"	7'-0"	1 3/4	Solid	Wood	Metal	--	--	--	--	7	See Note 1
	Work Area	18	C	3'-0"	3'-0"	1 3/4	Hollow	Wood	Metal	--	4/A-10	4/A-10	--	8	

Notes:
1. Provide new door hardware. Existing door to remain.



Door Types
Scale: 1/4"= 1'-0"

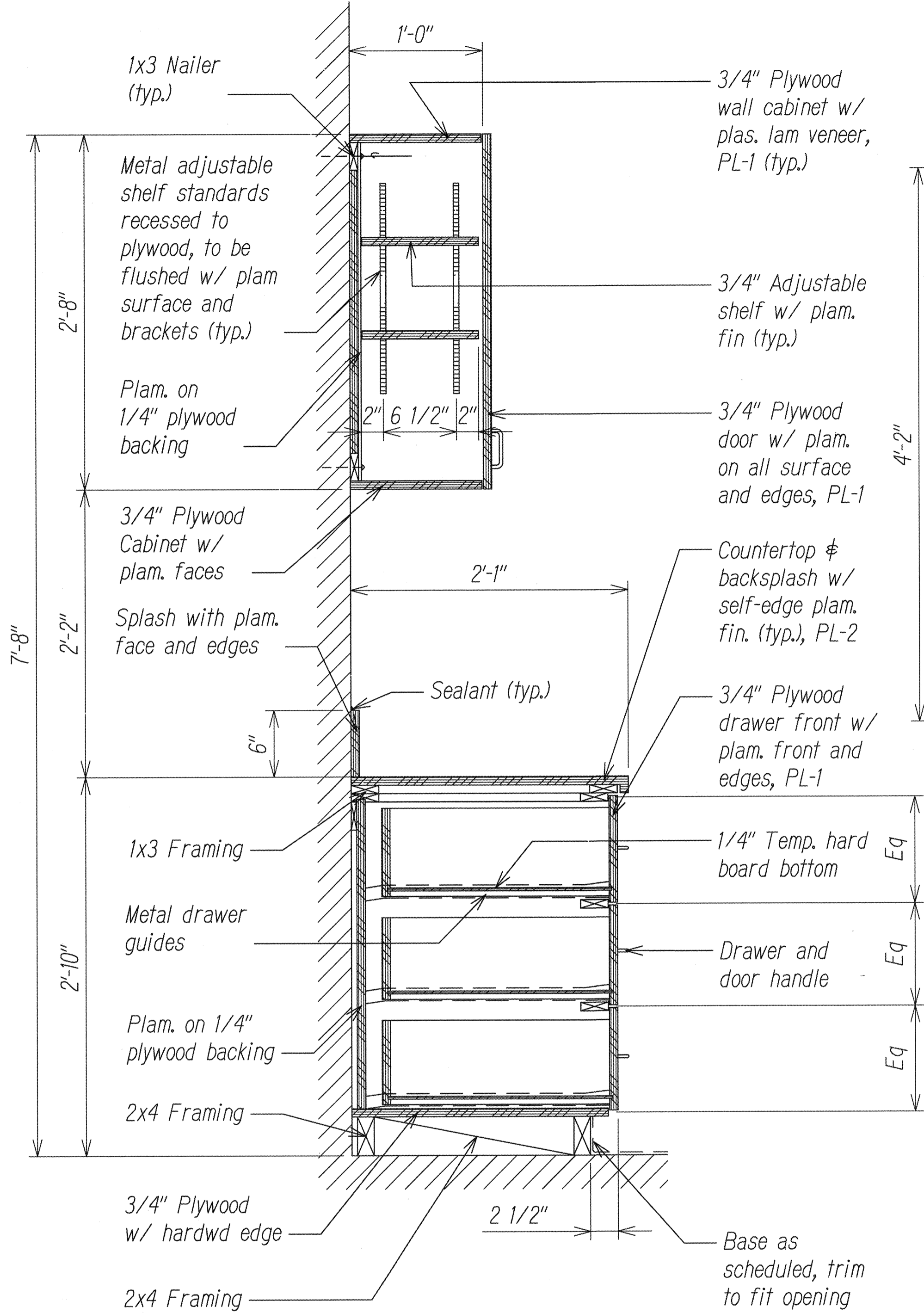
5/20/2016	Added dimension for Aluminum Storefront Door.
DATE	REVISION

STEVEN D. WONG
LICENSED PROFESSIONAL ARCHITECT
No. 4646
HAWAII U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
EXP. 4/30/2017

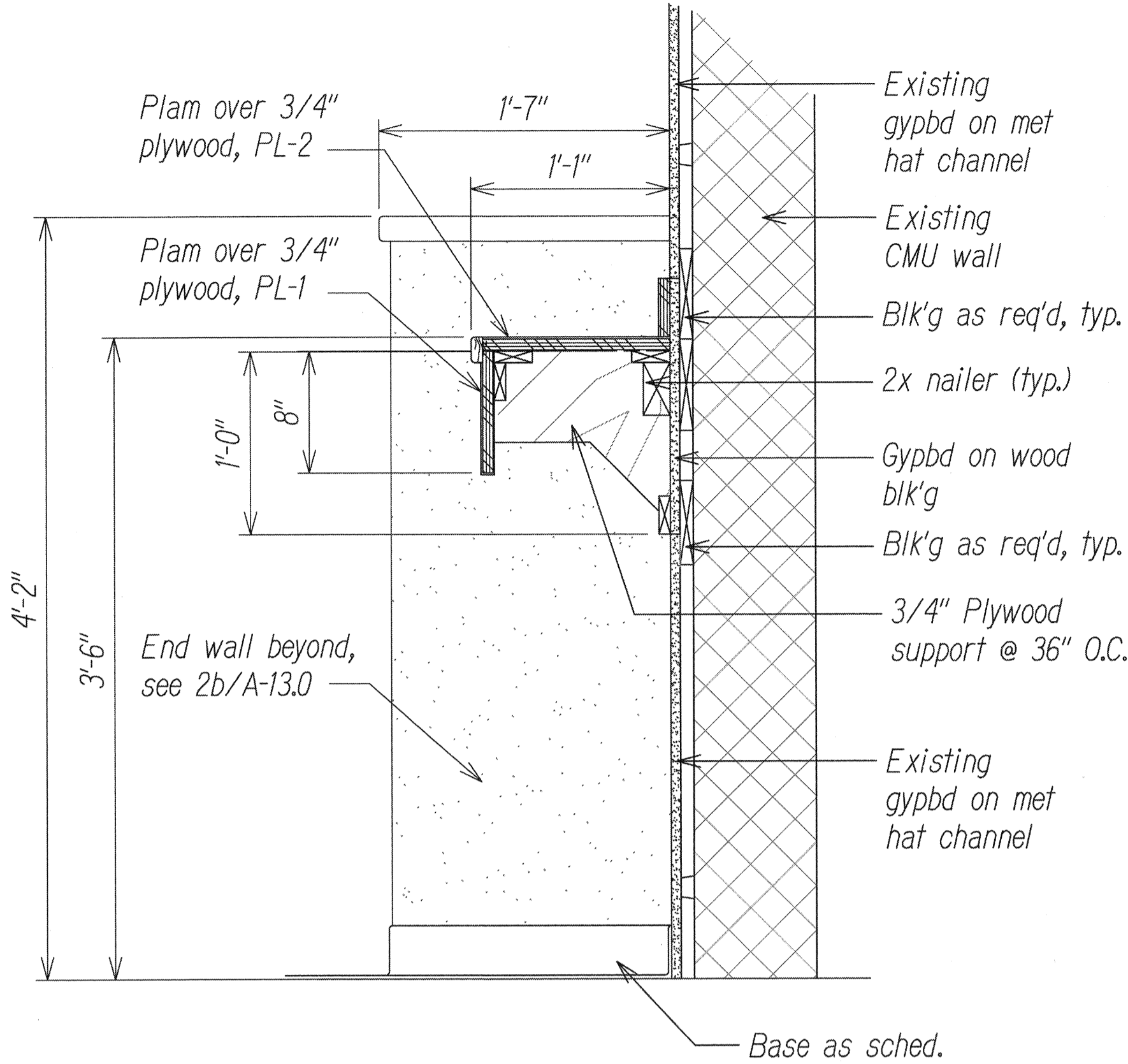
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DOOR SCHEDULES, TYPES, & DETAILS
COMMERCIAL DRIVER'S LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
Beneath Interstate Route H-1 Pearl City Viaduct
Project No. HWY-0-08-14
Scale: As Shown Date: June 2016
SHEET No. A-11 OF 16 SHEETS

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
NOTE BOOK DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

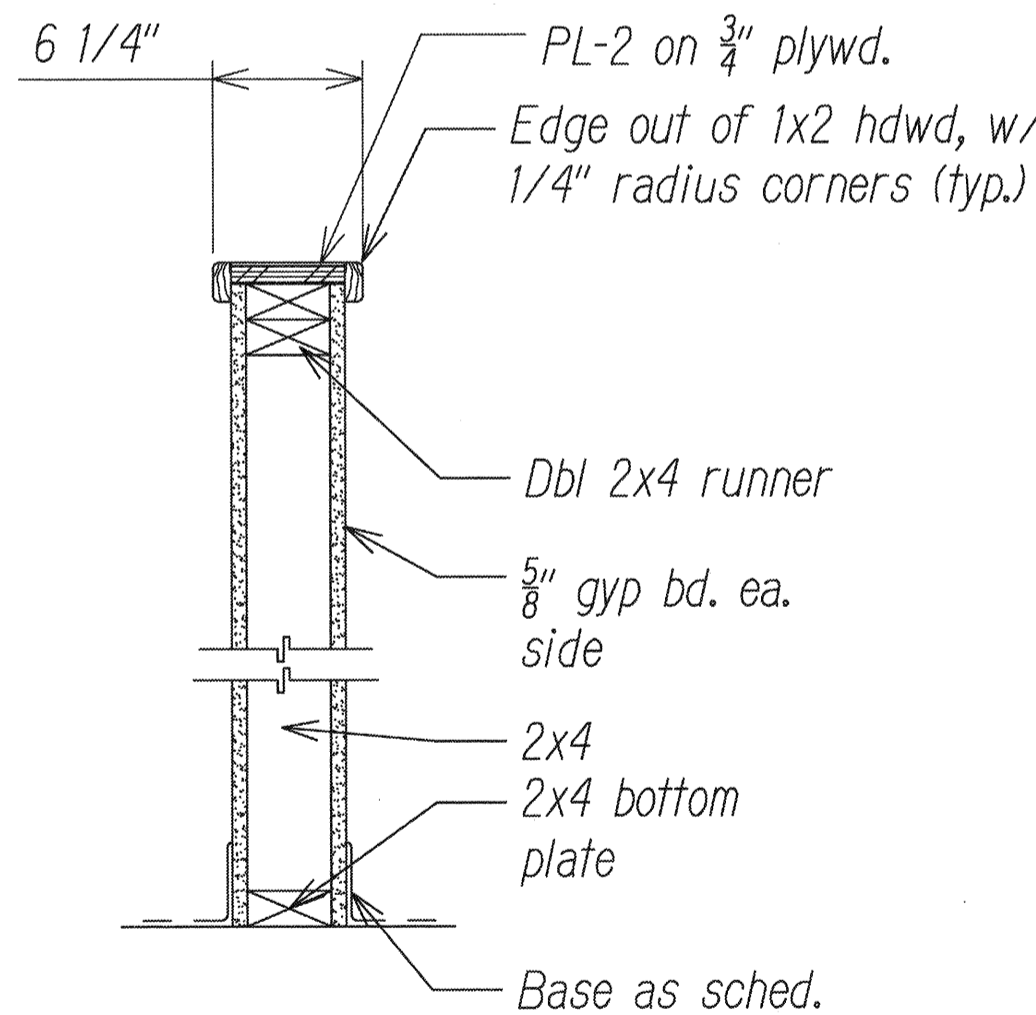
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 69	88



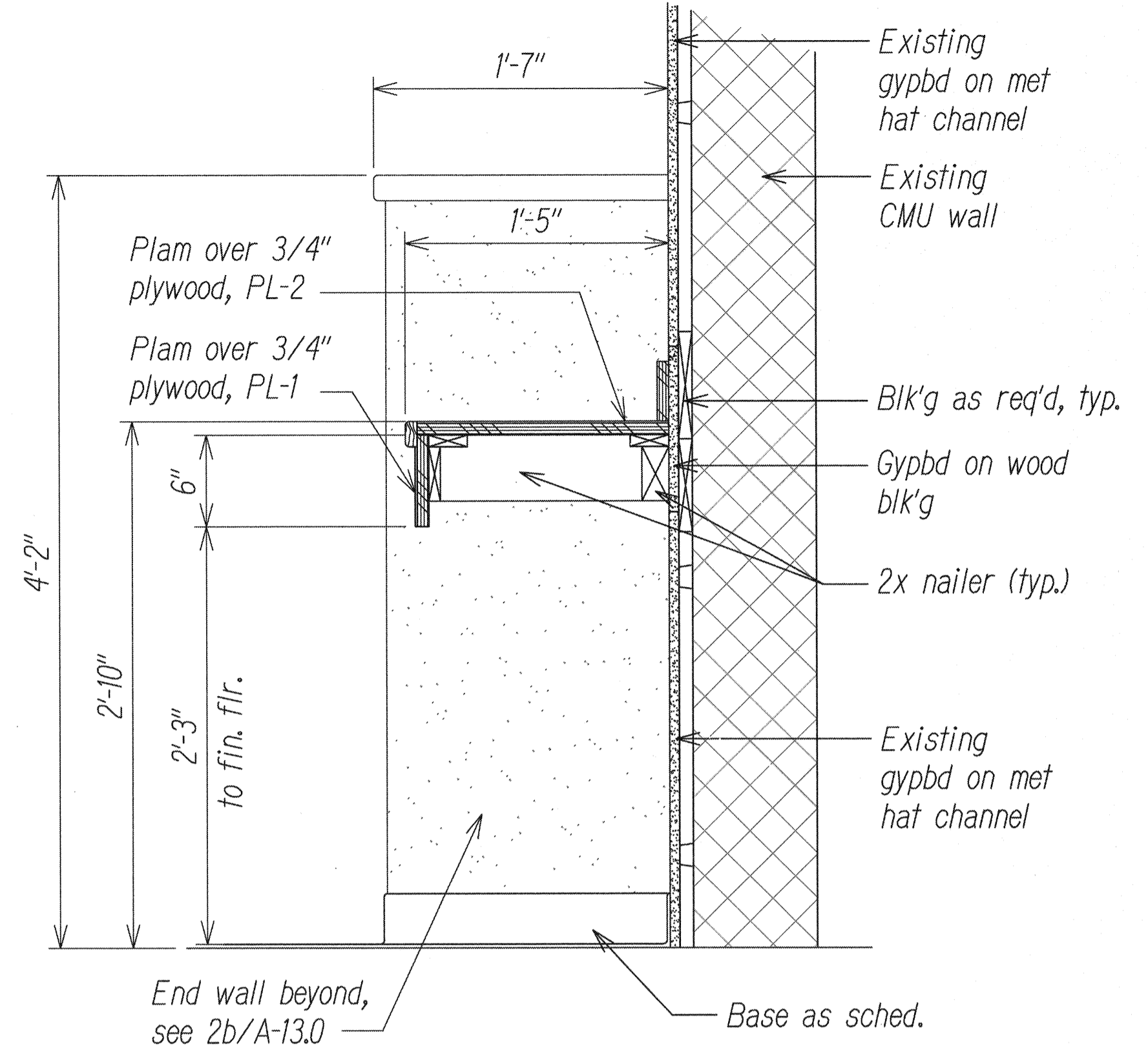
1 Base Cabinet and Wall Cabinet with Drawers
A-13.0/A-13.0 Scale: 1 1/2"= 1'-0"



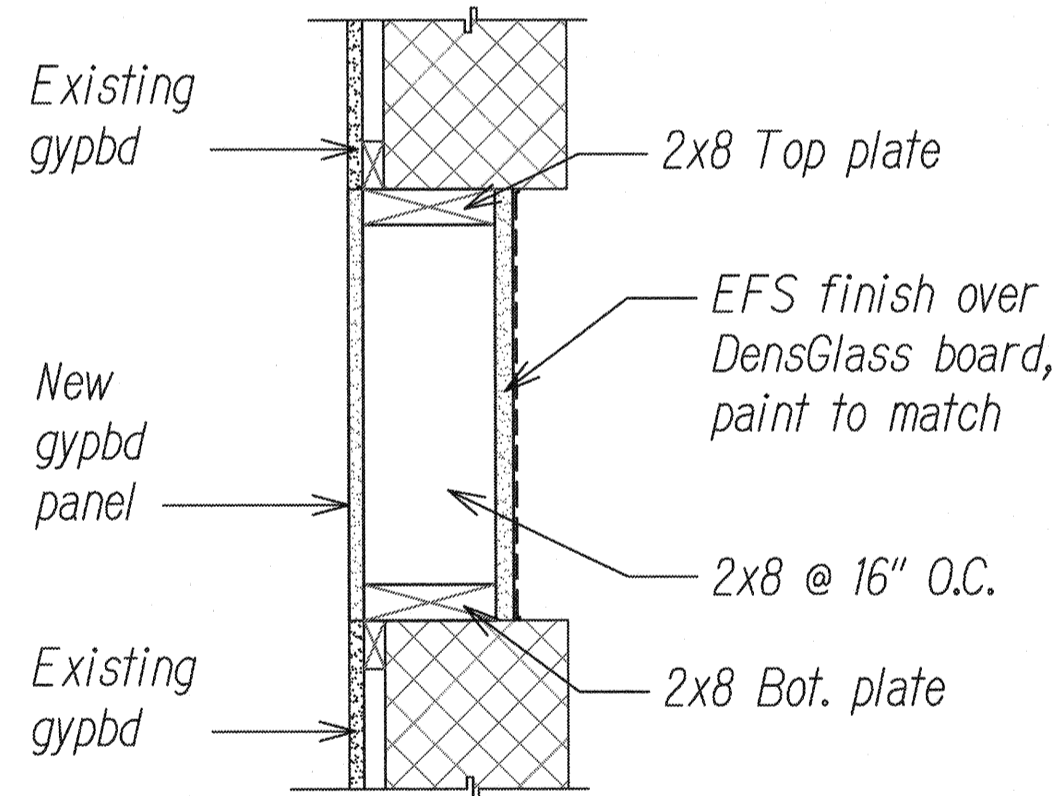
2 Writing Counter
A-13.0/A-13.0 Scale: 1 1/2"= 1'-0"



2b End Wall Detail
A-13.0/A-13.0 Scale: 1 1/2"= 1'-0"



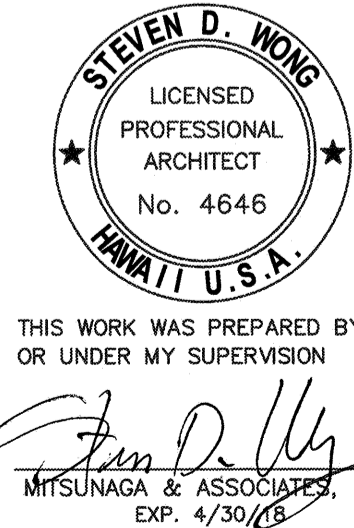
2a Acc. Writing Counter
A-13.0/A-13.0 Scale: 1 1/2"= 1'-0"



3 Wall Fill Detail
A-13.0/A-13.0 Scale: 1 1/2"= 1'-0"

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

5/20/2016	Revised Writing Counter details. Added End Wall and Accessible Writing Counter Details.
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAILS







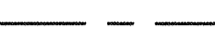



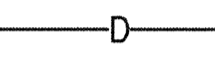
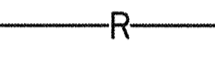
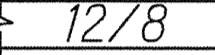

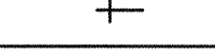
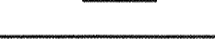
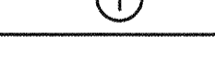
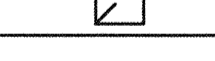
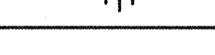


COMMERCIAL DRIVER'S LICENSE AND MOTORCYCLE LICENSE TESTING FACILITY EXAMINATION SITE AND OFFICE RENOVATION Beneath Interstate Route H-1 Pearl City Viaduct

Project No. HWY-0-08-14
Scale: 1-1/2" = 1'-0" Date: June 2016

SHEET No. A-15 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-08-14	2016	ADD. 72	88

Mechanical Legend

Symbol	ABBREV.	DESCRIPTION
	S OR W	Soil, sewer or waste piping below floor or grade
	(E)S OR (E)W	Existing soil, sewer or waste piping below floor or grade
	V	Vent piping
	(E)V	Existing vent piping
	CW	Cold water piping
	(E)CW	Existing cold water piping
	HW	Hot water piping
	(E)HW	Existing hot water piping
	(N)	New
	OU	Outdoor unit
	ACCU	Air-cooled condensing unit
	CO; WCO	Cleanout; wall cleanout
	COTG; FCO	Cleanout to grade; floor cleanout
	D	Condensate drain
	R	Refrigerant piping
		Ductwork (first size side shown)
	CD	Ceiling diffuser
	BWS	Board of water supply
	EA	Exhaust air
	EF	Exhaust fan
	EXH.	Exhaust
	(E) OR EXIST.	Existing
	FC	Flexible connection
	FCU	Fan coil unit
	FD	Floor drain
	HB	Hose bibb
	IU	Indoor unit
	KS	Kitchen sink
	SK	Sink
	A-LAV	Accessible lavatory
	LAV	Lavatory
	VD	Manual volume damper
	OA	Outside air
		Thermostat
	RA	Return air
	RAR	Return air register
	SA	Supply air
	S.P.	Static pressure
		Union
	VTR	Vent thru roof
	W/	With
	WC	Water closet
	A-WC	Accessible water closet
	UR	Urinal
	POR	Point of removal
	POC	Point of connection

General Notes:

1. The contractor shall verify all conditions prior to fabrication, installation and commencement of all work to be performed. Coordinate all work to be performed with other trades. Contractor shall notify contracting officer of any major deviations or discrepancies in the plans and specifications.
2. The entire installation shall comply with all applicable requirements, including all amendments, of the building code of the City and County of Honolulu, State Department of Health Regulations, Uniform Plumbing Code, Uniform Fire Code and all other agencies having jurisdiction.
3. The drawings and specifications are intended to cover the complete installation of systems to function as described and specified. The omission of reference to any necessary item of labor or material shall not relieve the contractor from providing such labor and material.
4. All equipment shall be capable of fitting into the spaces allocated while meeting the manufacturer's recommended access/clearance requirements.
5. Verify and coordinate all wall, floor and roof penetrations.
6. Contractor shall coordinate all work with other trades and field conditions affected by this installation prior to, commencing and during construction.
7. Tone and/or scope to locate existing under slab waste and vent piping to verify location prior to saw cutting of existing concrete slab.
8. Tone and locate all utility lines or other interferences in areas of proposed trench work prior to start of excavation.
9. Drawings do not attempt to show exact details of piping and ductwork. Provide offsets as necessary to avoid local obstructions or interference with other trades. Review all piping and duct runs prior to fabrication and immediately notify the contracting officer of any interference and/or lack of adequate clearances.
10. Should project conditions require rearrangement of work, mark such changes on the as-built drawings. If these changes require alternate methods to those approved by the contract drawings, submit shop drawings showing the proposed alternate methods to the contracting officer for review. Do not proceed until review.
11. The contractor shall provide seismic restraints for mechanical systems in accordance with the building code. The contractor shall acquire the services of a licensed structural engineer and provide all required calculations to determine the required bracing, if a seismic restraint vendor is used, the vendor's calculations shall be verified by a licensed structural engineer.
12. Structures undergoing construction, alteration, or demolition including those in underground locations, shall comply with NFPA 241 and NFPA 1-2006.

Demolition Plumbing Fixture Count			
Fixture	Quantity	F.U. (ea.)	Total
Water Closet (F.T.)	5	1.7	8.5
Lavatory	5	0.6	3.0
Urinal	2	1.7	3.4
Tub/shower	1	1.6	1.6
Total			16.5

<i>Proposed Plumbing Fixture Count</i>			
<i>Fixture</i>	<i>Quantity</i>	<i>F.U. (ea.)</i>	<i>Total</i>
<i>Water closet (F.T.)</i>	<i>5</i>	<i>1.7</i>	<i>8.5</i>
<i>Lavatory</i>	<i>4</i>	<i>0.6</i>	<i>2.4</i>
<i>Urinal</i>	<i>1</i>	<i>1.7</i>	<i>1.7</i>
<i>Trap primer</i>	<i>2</i>	<i>0.6</i>	<i>1.2</i>
<i>Total</i>			<i>13.8</i>

B.W.S. Flow Requirements

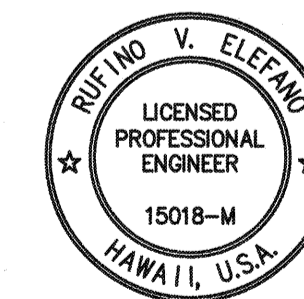
Premise ID#: 7882014984

Meter number (M/N): 110-3167

Proposed domestic	<u>13.8</u>	<u>F.U.'S</u>	<u>11</u>	<u>GPM'S</u>	<u>350</u>	<u>GPD'S</u>
Proposed irrigation	<u>--</u>	<u>F.U.'S</u>	<u>--</u>	<u>GPM'S</u>	<u>--</u>	<u>GPD'S</u>
Other	<u>--</u>	<u>F.U.'S</u>	<u>--</u>	<u>GPM'S</u>	<u>--</u>	<u>GPD'S</u>
Total proposed	<u>13.8</u>	<u>F.U.'S</u>	<u>11</u>	<u>GPM'S</u>	<u>350</u>	<u>GPD'S</u>
Demolition	<u>16.5</u>	<u>F.U.'S</u>	<u>13</u>	<u>GPM'S</u>	<u>400</u>	<u>GPD'S</u>
Demo permit #		<u>DATE:</u>				
Net change	<u>-2.7</u>	<u>F.U.'S</u>	<u>3</u>	<u>GPM'S</u>	<u>70</u>	<u>GPD'S</u>
Existing to remain	<u>6.7</u>	<u>F.U.'S</u>	<u>6</u>	<u>GPM'S</u>	<u>60</u>	<u>GPD'S</u>
Grand total	<u>20.5</u>	<u>F.U.'S</u>	<u>15</u>	<u>GPM'S</u>	<u>410</u>	<u>GPD'S</u>

Existing water meter does not serve automatic fire sprinkler.
Irrigation performed during off peak hours.

△ A/C Work will not affect water demand.



This work was prepared by
me or under my supervision

[Signature]
MITSUNAGA & ASSOC.

NOTE: Contractor to check and verify dimensions at job before proceeding with work.

Plumbing Fixture Connection Schedule					
Fixture	Waste (in.)	Vent (in.)	Cw (in.)	HW (IN.)	Remarks
Water closet (F.T.)	3	2	1/2	-	
Urinal	2	2	3/4	-	
Lavatory	2	2	1/2	-	
Floor drain	2	2	-	-	
2-Comp. Kitchen sink	2	2	1/2	1/2	

1	6/2/2016	Added note.	Project No. HWY-0-08-14 Date: March 2016
	DATE	REVISION	SHEET No. M-1 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	_____
	TRACED BY _____	_____
	DESIGNED BY _____	_____
	QUANTITIES BY _____	_____
No. _____	CHECKED BY _____	_____