STANDARD PLANS SUMMARY

	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
.	HAWAİI	HAW.	I-H3-I(52)	1988	2	75	

	Title	Date
B-01	Notes and Miscellaneous Details	07/01/86
B-02		
B-03	Typical Structure Excavation and Backfill Pay Limits	07/01/86
B-04		
B-05		
B-06	Concrete Box Girder	07/01/86
B-07	Concrete Box Girder	07/01/86
B-08	Concrete Box Girder	07/01/86
B-09		
B-10		
B-11		
B-12	Prestressed Concrete Piles	07/01/86
В-13	Prestressed Concrete Piles	07/01/86
D-01	Chain Link Fence With Toprail	r 03/06/8
D-02	Chain Link Fence Without Toprail	07/01/86
D-03	Wire Fence With Metal Posts	07/01/86
D-04	Typical Details of Curbs and/or Gutters	07/01/86
D-05	Typical Details of Reinforced Concrete Drop Driveway	07/01/86
D-06	Centerline and Reference Survey Monument	07/01/86
D-07	Street Survey Monument	07/01/86
D-08	Landscaping Shrub and Tree Planting	07/01/86
D-09	Field Office	07/01/86
D-10	Field Office	07/01/86
D-11	Project Site Laboratory	07/01/86
D-12	Project Site Laboratory	07/01/86
D-13	Field Office & Project Site Laboratory	07/01/86
H-01	Type A, B, C and D Catch Basin	07/01/86
	Type A1, B1, C1 and D1 Catch Basin	07/01/86
	Type A1, B1, C1 and D1 Catch Basin Type A2, B2, C2 and D2 Catch Basin	07/01/86 07/01/86
H-02		
H-02 H-03	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A. B and C Storm Drain Manhole	07/01/86
H-02 H-03 H-04 H-04	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins	07/01/86
H-02 H-03 H-04 H-05	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole	07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole	07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates 61614B Steel Frame and Grates	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18 H-19	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18 H-19 H-20	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 & 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures Concrete Spillway Inlet	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86
H-02 H-03 H-04 H-05 H-06 H-07 H-08 H-09 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17 H-18 H-19	Type A2, B2, C2 and D2 Catch Basin Typical Reinforcing Details for Catch Basins Type A, B and C Storm Drain Manhole Type D and E Storm Drain Manhole Type F Storm Drain Manhole Catch Basin and Manhole Casting Type A-9 and A-9P Frames and Grates Type A-9B Frames and Grates Type 61614 and 61214 Grated Drop Inlet Type 61616 Grated Drop Inlet 61214, 61614 a 61616 Steel Frames and Grates 61214B Steel Frame and Grates Concrete and Cement Rubble Masonry Structures Inlet Structures Flared End Section for Culverts Outlet Structures	07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86 07/01/86

Standard Plan No.	Title	Date
TE-01	Miscellaneous Sign Details	07/01/86
TE-02	Galvanized Flanged Channel Sign Post Mounting	07/01/86
TE-03	Galvanized Square Tube Sign Post Mounting	07/01/86
TE-04	Regulatory Signs	r09/01/87
TE-05	Warning Signs	07/01/86
TE-06	Miscellaneous Signs	r 09 /0 I / 87
TE-07	Reserved	07/01/86
TE-08	Construction Signs	r09/01/87
TE-09	Miscellaneous Intersection Signs	r 03/06/87
TE-10	Reserved	07/01/86
TE-11	Bike Route Sign and Supplementary Plates	07/01/86
TE-12	State Route Marker and Auxiliary Markers	07/01/86
TE-13	Interstate Route Marker	07/01/86
TE-14	State Route Marker and Border Detail for Guide Signs	07/01/86
TE-15	Route Marker Assemblies	07/01/86
TE-16	Miscellaneous Reflector Markers	07/01/86
TE-17	Type II Object Markers	07/01/86
TE-18	Mileposts	07/01/86
TE-19	Reserved	07/01/86
TE-20	Overhead Sign Supports	07/01/86
TE-21	Overhead Sign Support, Box Truss Type, Aluminum	07/01/86
TE-22	Foundation Details and Schedules	07/01/86
TE-23	Destination & Ground Mounted Expressway Signs	07/01/86
TE-24	Breakaway Sign Supports for Ground Mounted Guide Signs	07/01/86
TE-25	Laminated Aluminum Sign Panels (Overhead)	07/01/86
TE-26	Laminated Aluminum Sign Panels (Ground Mounted)	07/01/86
TE-27	Solid Aluminum Extruded Sign Panel and Accessory Details	07/01/86
TE-28	Guide Signs Luminaire Mountings	07/01/86
TE-29	Reserved	07/01/86
TE-30	Raised Pavement Markers and Striping	07/01/86
TE-31	Miscellaneous Pavement Markings	07/01/86
TE-32	Miscellaneous Pavement Markings	r09/01/87
TE-33	Miscellaneous Pavement Markings	07/01/86
TE-34	Reserved	07/01/86
TE-35	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-36	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-37	Reserved	07/01/86
TE-38	Traffic Signal System, Miscellaneous Details	07/01/86
TE-39	Traffic Signal System, Miscellaneous Details	07/01/86
TE-40	Loop Detectors	r03/06/8
TE-41	Pullboxes	07/01/86
TE-42	Type III Traffic Signal Standard	07/01/86
TE-43	Concrete Pullbox (2' x 3')	07/01/86
TE-44	Reserved	07/01/86

Standard Plan No.	Title	Date		
TE-45	Reserved	07/01/86		
TE-46	Reserved	07/01/86		
TE-47	Reserved	07/01/86		
TE-48	Reserved	07/01/86		
TE-49	Reserved	07/01/86		
TE-50	Metal Guardrail	r 03/06/8		
TE-51	Metal Guardrail	r09/01/8		
TE-52	Metal Guardrail with Rubrail	07/01/86		
TE-53	Metal Guardrail with Rubrail at Obstruction	r 09 /01 /87		
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	r09/01/87		
TE-55	Metal Guardrail Connection to Concrete Barrier	r09/01/8		
TE-56	Concrete Barrier Transition	07/01/86		
TE-57	Guardrail Type 3, Thrie Beam	r09/01/87		
TE-58	Approach End Flare, One & Two Way Roadway	07/01/86		
TE-59	Trailing End Flare, One & Two Way Roadway	r 09 /01 / 87		
TE-60	Anchor Block Details	07/01/86		
TE-61	Breakaway Cable Terminal (BCT)	r 03/06/8		
TE-62	Breakaway Cable Terminal (BCT)	r09/01/8		
TE-63	Guardrail Type 4 (Rigid Barrier)	r09/01/8		
TE-64	Portable Concrete Guardrail	r 03/06/8		
TE-65	Guardrail Type 4, Miscellaneous	r09/01/87		
TE-66	Barricades	07/01/86		
TE-67	Delineation & Pavement Markings at Bridges	07/01/86		
TE-68	Wheelchair Ramps	07/01/86		
TE-69	Wheelchair Ramps	r09/01/87		

NOTE:

STANDARD PLANS APPLICABLE TO THIS PROJECT ARE INDICATED BY A "O" NEXT TO THE STANDARD PLAN NO. (D-07 ●)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STANDARD PLANS SUMMARY

<u>INTERSTATE ROUTE H-3</u> F.A.I.- PROJECT NO. I-H3-I (52)

SCALE: AS NOTED

DATE: JULY 1988 SHEET No. | OF | SHEETS

REVISION

09/01/87 REVISED STANDARD PLANS TE-04, TE-06, TE-08, TE-32, TE-51, TE-53, TE-54, TE-55, TE-57, TE-59, TE-62, TE-63, TE-65 & TE-69.

03/06/87 REVISED STANDARD PLANS D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 AND TE-64

GENERAL NOTES

- 1. EXISTING TOPOGRAPHIC FEATURES, INCLUDING GROUND CONTOURS, ARE FROM FIELD SURVEYS OF THE PROJECT SITE PROVIDED BY THE STATE OF HAWAII, DATED SEPTEMBER 27, 1983.
- 2. ALL AZIMUTHS AND COORDINATES ARE REFERRED TO HAWAII STATE PLANE COORDINATE SYSTEM. AZIMUTHS ARE TURNED CLOCKWISE FROM TRUE SOUTH. ELEVATIONS SHOWN ARE FROM ELEVATION DATUM OF MEAN SEA LEVEL AS DEFINED BY THE U.S. COAST AND GEODETIC SURVEY.
- 3. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH AND SAFETY AND ENVIRONMENTAL QUALITY.
- 4. THE CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
- 5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCY OR CONFLICT FOUND IN THE FIELD PRIOR TO OR DURING THE COURSE OF CONSTRUCTION AND SHALL NOT PROCEED WITH CONSTRUCTION UNTIL THE ENGINEER RESOLVED THE SAID DISCREPANCY OR CONFLICT.
- 6. ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE DRAWINGS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION. ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. PERSONNEL INJURY RESULTING FROM CONTACT WITH THE EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBLITY.
- 7. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES TO VERIFY THE ACTUAL LOCATION OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO EXCAVATING. THE CONTRACTOR SHALL COORDINATE ALL WORK.
- 8. WHEN TRENCH EXCAVATION IS ADJACENT TO OR UNDER EXISTING STRUCTURES OR FACILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SHEETING AND BRACING THE EXCAVATION AND STABILIZING THE EXISTING GROUND TO RENDER IT SAFE AND SECURE FROM POSSIBLE SLIDES, CAVE-INS AND SETTLEMENT, AND FOR PROPERLY SUPPORTING EXISTING STRUCTURES AND FACILITIES WITH BEAMS, STRUTS OR UNDERPINNING TO FULLY PROTECT THE EXISTING STRUCTURES FROM DAMAGE.
- 9. ALL WORK CALLED FOR ON THE PLANS AND NOT ITEMIZED IN THE PROPOSAL AND ALL WORK NOT CALLED FOR BUT REQUIRED FOR THE CONSTRUCTION OF UNDERGROUND UTILITIES FOR THIS PROJECT, SHALL BE CONSIDERED INCIDENTAL TO UNCLASSIFIED TRENCH EXCAVATION.
- 10. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL, DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL AND INCLUDED WITHIN THE AMOUNT PAID FOR UNCLASSIFIED TRENCH EXCAVATION.
- 11. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS WITHIN THE PROJECT AREA.
- 12. BENCH MARKS FOR THIS PROJECT ARE AS SHOWN ON THE PLAN.

GRADING NOTES

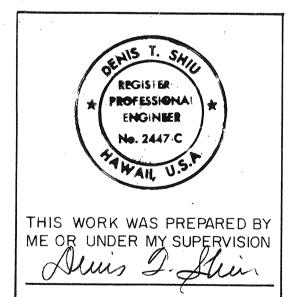
- 1. ALL GRADING WORK SHALL BE DONE IN ACCORDANCE TO CHAPTER 23, GRADING, SOIL EROSION, AND SEDIMENT CONTROL, OF THE REVISED ORDINANCES OF HONOLULU, 1978, AS AMENDED (ORDINANCE NO. 81-13) AND SOIL REPORT BY FEWELL GEOTECHNICAL ENGINEERING, LTD. DATED MAY 26, 1988, "SUBSURFACE INVESTIGATION REPORT, PHASE I, H-3 WINDWARD VIADUCT."
- 2. THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS RESULTING FROM HIS WORK AND DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS. THE COST INCURRED FROM ANY NECESSARY REMEDIAL ACTION BY THE ENGINEER SHALL BE PAYABLE BY THE CONTRACTOR.
- 3. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND ITS SURROUNDING AREAS FREE FROM DUST AND OTHER NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.
- 4. ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS CONTAINED IN THE PUBLIC HEALTH REGULATIONS, STATE DEPARTMENT OF HEALTH, ON WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS (OVER 1 ACRE).
- 5. NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS, AND HOLIDAYS AT ANY TIME WITHOUT PRIOR WRITTEN NOTICE TO THE CHIEF ENGINEER, OF THE CITY AND COUNTY OF HONOLULU, AND THE ENGINEER.
- 6. THE LIMITS OF THE AREA TO BE GRADED SHALL BE FLAGGED BY THE CONTRACTOR BEFORE THE COMMENCEMENT OF THE GRADING WORK.
- 7. THE CONTRACTOR SHALL INFORM THE CITY OF THE LOCATION OF THE BORROW/DISPOSAL SITE FOR THE PROJECT,

 THE BORROW/DISPOSAL SITE MUST ALSO FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
- 8. TEMPORARY EROSION CONTROL PROCEDURES SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL PRIOR TO THE START OF ACTUAL GRADING OPERATIONS (OVER | ACRE)
- 9. PRIOR TO THE START OF ACTUAL GRADING OPERATIONS, THE CONTRACTOR SHALL CLEAR THE SITE OF ALL EXISTING ABOVE-GROUND VEGETATION, LARGE BOULDERS, AND OTHER DELETERIOUS MATERIALS. DISPOSAL OF THESE WASTE ITEMS SHALL BE OFF SITE. AFTER THE SITE IS CLEARED, THE CONTRACTOR SHALL REMOVE THE SURFACE (APPROXIMATELY SIX INCHES IN DEPTH) ORGANICALLY CONTAMINATED SOILS. THIS MATERIAL MAY BE USED FOR TOP SOIL UPON APPROVAL OF THE ENGINEER.
- 10. 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 LOCATION AND DEPTH OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN 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.

FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL SHEET TOTAL SHEETS HAWAII HAW. I-H3-I(52) 1988 3 75

EARTHWORK

- II. PRIOR TO ANY EARTHWORK OPERATIONS, AREAS TO BE GRADED SHALL BE CLEARED OF ALL ASPHALTIC PAVEMENT FROM TEMPORARY CONSTRUCTION ROADS. THIS MATERIAL SHALL BE WASTED OFF-SITE.
- FROM ALL AREAS TO RECEIVE FILL, FOUNDATIONS, OR OTHER STRUCTURES ASH SOILS SHALL BE REMOVED FROM CUT SLOPES IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS. ACTUAL EXTENT OF ASH SOIL TO BE REMOVED SHOULD BE DETERMINED IN THE FIELD DURING CLEARING AND EARTHWORK OPERATIONS. WHERE ASH REMAINS ON A SLOPE, IT SHALL BE CUT NO STEEPER THAN 3H:IV.
- I3. FOLLOWING THE REMOVAL OF UNSUITABLE MATERIALS AND ASH SOILS, EXPOSED NATURAL SOILS SHALL BE PROOF—ROLLED TO VERIFY THEIR BEARING STRENGTH AND SCARIFIED. ENGINEERED FILL SHALL BE PLACED IN UNIFORM LIFTS NOT EXCEEDING 8 INCHES IN COMPACTED THICKNESS, AND MOISTURE—CONDITIONED TO WITHIN 4 PERCENT OF OPTIMUM MOISTURE CONTENT.
- 14. FILL SLOPES SHALL BE CONSTRUCTED NO STEEPER THAN 2.0H:1.0V FOR BOTH CINDER AND RESIDUAL SOILS. BENCHES SHALL BE PROVIDED AT 15 FOOT VERTICAL INTERVALS TO DIRECT SURFACE WATER AWAY FROM SLOPE FACE, AND EROSION CONT. ON SHT. 6



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

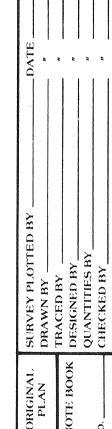
NOTES

<u>INTERSTATE</u> ROUTE H-3 F.A.I. PROJECT NO. I - H3-I (52)

SCALE: AS NOTED

DATE: JULY 1988

SHEET No. | OF 2 SHEETS



REVISION

DATE

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## ART ONE TIME. ### ART ONE T	TEMPORARY EROSION CONTROL PROCEDURES						FED. ROAD STATE FED. AID PROJ. NO.	FISCAL SHEET TOTAL YEAR NO. SHEETS
First State Stat		AND TO BE EXPOSED					HAWAII HAW. I-H3-I(5	2) 1988 475
Description	FIRST, WHERE EXCAVATION OPERATIONS, ARE NECESSAL VEGETATION ON THE LOWER AREA SHALL BE LEFT IN	ARY. THE EXISTING PLACE AS LONG AS						
Series BR Court in Practic In Control with Ended on And Series Profit In Court in Profit In Inc. Inc. Inc. Inc. Inc. Inc. Inc. I	3. IF THE EXCAVATED MATERIAL FROM THE HIGHER AREA		r. Easmt.	Construction Easement	Inv.	Invert	Rd.	Road
Detail Notice Float Set Wiff of Float Charles for Float Charles	THE LOWER AREAS DESCRIBED IN NO. 2 ABOVE, F SHALL BE DONE IN PHASES IN ORDER THAT EROSION	FILLING OPERATIONS Coord AND SEDIMENTATION			:		Ref.	Reference
Section and the first of the control	PROBLEMS CAN BE HELD TO A MINIMUM.	Culv.		Culvert	LF	Linear Foot		
SILEN MONTHLING THE DEALNARD STRING FOR THE PREMISER, FILTERING MARKED AND ADDRESS OF BEAUTY SILENGE AND ADDRESS OF BEAUTY SIL	EXPOSED FOR MORE THAN 30 DAYS, SHALL BE MULCHE	D (AT THE RATE OF						Right of Way
5. MERG HOPPALING TWO UNLINEARS STREET FOR THE PROJECT, FLITERING MARKED AND MARKED MA					Min.	Minimum	S	South
SHEEL OF PROVIDED TO THE PROVIDED TO PROVIDE TO		PROJECT, FILTERING			8	Mechanically Stabilized Earth Retaining Wall		
Second Processor Process		THE SYSTEM.			NTC	•		-
PROCESSEE. BUT ARM SEVISION TO THE ABOUT PROCESS. CHEFT ENGINEER TOT PROCESS. CHEFT SHOWN TO THE CHEMITARY OF THE CONTRACTOR. CHEFT SHOWN TO THE CHEMITARY OF THE CHIMINAL PROCESS. CHEFT SHOWN TO THE CHEMITARY OF THE CHIMINAL PROCESS. CHEMICAL PRO		T CONTROL MAY BE	#				Sp.	Space
7. FOLION SECRET OF OFRANTICE AS ADDOMESTED ON PAGES 26 OF THE SOLUTION SECRET OF OPERATION AS ADDOMESTED ON PAGES 26 OF THE SOLUTION OF STRONGER AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDOMESTED OF OPERATION AND ADDOMESTED ON PAGES 26 OF THE SOLUTION OF STRONGER AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUDSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUTSELEDS 1, DEPARTMENT OF FUBLIC WORDS. ADDRESS ADDRESS AND OUTSELDS AND OUTSELD	PROCEDURE. BUT ANY REVISION TO THE ABOVE PROCE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS, CHIEF	EDURE SHALL BE ENGINEER FOR Easmt	•	Easement			,	_
7. FOLIOUS SEQUENCES OF COFFERENCIAN AS MECOMMENSORD OR FAGES 26 OF THE SOLT ENGINEER OF COPENITION AS MECOMMENSORD OR FAGES 26 OF THE SOLT ENGINEER OF MACHINITY OF FUBLIC MONES. ABBMENIATIONS ABBMENIATIONS ADD. ADD. ADD. ADD. ADD. ADD. ADD. AD	APPROVAL, BY THE CONTRACTOR.	•			OB, O.B.	Outbound	Std.	Standard
ABREVIATIONS ABBREVIATIONS Aba. Abandon AD7 Average Daily Traffic Ag8. Magregate Alt. Alternate Aprox. Approx. A	"SOIL EROSION STANDARDS AND GUIDELINES", DEPARTM		lev.	Elevation	o.c.		SY	
Emb. Rabankment Ed. Rabankment Rabankm	CITT AND COUNTY OF HONOCOLU, NOVEMBER 1175.	Elec.		Electrical	O/H	Overhead	· ·	
Abn. Ahandon Abn. Ahandon ADT Average Daily Traffic Agg. Aggregate Alt. Alternate Approx. Approximate Approx. Approximate Beg. Begin Beg. Begin Fwy. Freeway Budg.	ABBREVIATIONS				o/s	Offset		·
ADT Average Daily Traffic EVC End of Vertical Curve Each Way Bacavarian P.C. Point of Curvature, Precast Variable,			*		Pavt.	Pavement	Typ.	Typical
Agg. Aggregate Alt. Alternate Aperox. Approximate A.C. Apphalt Concrete Beg. Beg. Building		· · · · · · · · · · · · · · · · · · ·			P.O.C.	Point on Curve	Ug.	Underground
Alt. Alternate Alternate Approx. Approximate Approx. Approximate A.C. Asphalt Concrete Beg. Begin Bidg. Building Fut. Future Fig. Galvanized Fut. Future	Exc.		Excavation	PC, P.C.	Point of Curvature, Precast	Var.	•	
Approx. Approximate		Exist		Existing	PCC, P.C.C.	Point of compound Curvature		
A.C. Asphalt Concrete A.C. Asphalt Concrete Beg. Begin Beg. Begin Bidg. Building		Fin. 6	Gr.	Finish Grade	P.I.	Point of Intersection of Tangen	ts	
Beg. Begin Fig. Figure Proj. Project FMY. Freeway Pt. Point Bldg. Building Fut. Future Pt., F.O.T., P.T. Point of Tangency FMY. Galvanized Pt., V.C. Point of Intersection of Vertical Curve Baseline Ga. Gauge, gage R R Radius Bot. Bottom GCL Grade Control Line RC Reinforced concrete FMY. Ground GRP Grouted Rubble Paving CRM Cement Rubble Masonry Hwy. Highway Conc. Concrete Conc. Concrete Constr. Construction FMY. Freeway Pt. Point of Tangency PT., P.O.T., P.T. Point of Tangenc		Ft., f	Et.	Feet, Foot	P/L	Property Line	vert.	
Bldg. Building BM Bench Mark Galv. Galvanized PI.V.C. Point of Tangency PI.V.C. Point of Intersection of Vertical Curve Bot. Bottom BVC Beginning of Vertical Curve Gal. Gauge, gage GCL Grade Control Line GRP Ground Ch Chord Cement Rubble Masonry EWY. Highway Centerline Hor., Horiz Horizontal Conc. Concrete Constr. Construction FILE PLANCE PRIVATE POINT AND PRESSURE BEING PART OF TANABER VIATION: SCALE AS NOTES FILE PRIVATE PI.V.C. Point of Tangency PI.V.C. Point of Intersection of Vertical Curve PI.V.C. Point of Intersection of Vertical Curve Radius RC Reinforced concrete RC REINFORCE TANABERCRITATION DEPARTMENT OF TANABERCRITATION REINFORCET NO.1-H3-1 (52) SCALE AS NOTED D. AFEI JULY 1988 DATE REVISION SHEETNO. 2 OF 2 SHEETS		Fig.	(Alle	Figure	Proj.	Project	W	West
BM Bench Mark Baseline Bot. Bottom BVC Beginning of Vertical Curve Ch Chord CRM Cement Rubble Masonry Centerline Conc. Concrete Constr. Construction Constr. Construction Constr. Construction Constr. Construction BM Bench Mark Galv. Galvanized P.I.V.C. Point of Intersection of Vertical Curve P.I.V.C. Point of Intersection of Vertical Curve R Radius RC Reinforced concrete RC Reinforced concrete Pr. P.O.T. P.T. Point of Tangency P.I.V.C. Point of Intersection of Vertical Curve R Radius RC Reinforced concrete PROPERTIES TO THE POINT OF TANGED PRIVATE AND ABBREVIATION OF TANGED PRIVATE		Fwy.		Freeway	Pt.	Point		
BM Bench Mark Baseline Ga. Gauge, gage R Radius Bot. Bottom GCL Grade Control Line BVC Beginning of Vertical Curve Gnd. Ground Ch Chord CRM Cement Rubble Masonry CRM Centerline Cl. Class Go. Hay. Borizontal Grade Control Line British of the section of Vertical Curve Gnd. Ground GRP Grouted Rubble Paving Hwy. Highway Cl. Class Go. Gauge, gage R Radius RC Reinforced concrete FIAI DORA WAS PREPARE A VICE AND A PREPARE OF TAMASH PARTATION IN THE STATE OF TAMASH PARTATION IN THE STATE OF TAMASH PARTATION IN THE STATE ROUTE H-3 FAI. PROJECT NO. I - H3-I (52) SALE: AS NOTED DATE: JULY, 1988 Constr. Construction BM Galv. Galvanized P.I.V.C. Point of Intersection of Vertical Curve R Radius RC Reinforced concrete THE WORK WAS PREPARE A VICE AND A PREPARE OF TAMASH PARTATION IN THE STATE OF TAMASH PARTATION IN THE STATE OF TAMASH PARTATION IN THE STATE ROUTE H-3 FAI. PROJECT NO. I - H3-I (52) SALE: AS NOTED DATE: JULY, 1988 Constr. Construction BM Galv. Gauge, gage R Radius RC Reinforced concrete THE WORK WAS PREPARE A ROUTE AND A PREPARE A VICE AND A PREPARE OF TAMASH PARTATION IN THE STATE ROUTE H-3 FAI. PROJECT NO. I - H3-I (52) SALE: AS NOTED DATE: JULY, 1988 SALE: AS NOTED DATE: JULY, 1988		Fut.		Future	PT, P.O.T, P.T.	Point of Tangency		DENIS T. SAIL
Bot. Bottom GCL Grade Control Line RC Reinforced concrete BVC Beginning of Vertical Curve Gnd. Ground Ch Chord GRP Grouted Rubble Paving CRM Cement Rubble Masonry Hwy. Highway Conterline Ground Hwy. Highway Cl. Class Conc. Concrete Gnd. Ground GRP Grouted Rubble Paving Hor ,Horiz. Horizontal IB, I.B. Inbound IB, I.B. Inbound Constr. Construction Ga. Gauge, gage R Radius RC Reinforced concrete RC Reinforced concrete RC Reinforced concrete Meinforced concrete THIS WORK WAS PHEIRHED BY THE WAS PAUL BY THE WAS PAU	BM Bench Mark	Galv.		Galvanized	P.I.V.C.	Point of Intersection of Vertica	al Curve	PROFESSIONAL ENGINEER
BVC Beginning of Vertical Curve Gnd. Ground Ch Chord CRM Cement Rubble Masonry © Centerline Cl. Class Conc. Concrete Constr. Construction GRE Grade Control Line RC Reinforced concrete STATE OF NAWN DEPARTMENT OF TRANSPORTATION Have Highway NOTES AND ABBREVIATION: NOTES AND ABBREVIATION: NOTES AND ABBREVIATION: NOTES AND ABBREVIATION: SCALE: AS NOTED DATE: JULY 1988 DATE REVISION SHEET NO. 2 OF 2 SHEETS	Baseline	Ga.		Gauge, gage	R	Radius		1
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CRM Cement Rubble Masonry they. Highway Centerline Cl. Class Conc. Concrete Constr. Construction CRP Grouted Rubble Paving Grouted Rubble Paving Hwy. Highway Hor, Horiz. Horizontal Horizontal IB, I.B. Inbound Inbound DATE REVISION DATE REVISION DATE SAND ABBREVIATION: NOTES AND ABBREVIA	BVC Beginning of Vertical Curve	Gnd.		Ground				
CRM Cement Rubble Masonry the Centerline Hwy. Highway the Centerline Hor., Horiz. Horizontal Cl. Class Conc. Concrete Constr. Construction Hwy. Highway Hor., Horiz. Horizontal IB, I.B. Inbound IB, I.B. Inbound DATE REVISION THIGHWAYS DIVISION NOTES AND ABBREVIATIONS NOTES AND ABBREVIATIONS FAI. PROJECT NO. I - H3-I(52) SCALE: AS NOTED DATE: JULY. 1988 DATE REVISION SHEET NO. 2 OF 2 SHEETS	Ch Chord	GRP		Grouted Rubble Paving	,		DEPARTMENT OF	TRANSPORTATION
Conc. Construction Constr. Construction Control Construction Control Construction Control Construction Control Construction Control Construction Control Construction Construction Hor., Horiz. Horizontal INTERSTATE ROUTE H-3 FA.I. PROJECT NO. I-H3-I(52) SCALE: AS NOTED DATE: JULY 1988 DATE REVISION CONSTRUCTION: Construction Constructi	CRM Cement Rubble Masonry	Hwy.					HIGHWAYS	DIVISION
Conc. Concrete Constr. Construction Constr. Construction	¢ Centerline	Hor., Ho	oriz.	-			NOTES AND A	BREVIATIONS
Conc. Concrete Constr. Construction DATE REVISION F.A.I. PROJECT NO. I - H3-I(52) DATE SCALE: AS NOTED DATE REVISION F.A.I. PROJECT NO. I - H3-I(52) DATE: JULY 1988	Cl. Class	IB, I.	В.	Inbound			INTERSTATE	ROUTE H-3
DATE REVISION SHEET NO. 2 OF 2 SHEETS	Conc. Concrete		3					3
	Constr. Construction					DATE REVISION		DATE: JULY 1988
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