

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1 (210):17	1990	3	65

GENERAL NOTES :

- The Contractor is alerted to the Federal Aviation Administration requirement that no encroachment into the established airplane glide paths in the area will be permitted at any time. The Contractor shall file the required notices and shall fully comply with all requirements of the Federal Aviation administration.
- The DOT will make available to the Contractor at no cost an area of 100 feet by 100 feet within the Keehi Base Yard for Contractor's field office, and storing materials and equipment. Requests for additional space shall be submitted in writing to the Engineer.
- Prior to removal of existing fencing, the Keehi Base Yard shall be secured with 6 feet high temporary fencing and 20 feet wide gate. Location of fence and gate shall be as directed by the Engineer. Material for temporary fencing is subject to approval by the Engineer. Payment will be considered incidental to various contract items.
- All work inside the Keehi Lagoon Park shall be completed within 20 working days from the date subject work commences (excluding Planting Period and Plant Establishment Period).
- No soil or other material shall be stockpiled within 30 feet of existing structure foundations and in-service utility facilities, unless authorized by the Engineer.
- Contractor is advised to refer to Subsection 102.05 of the Special Provisions for information regarding soil settlements, pile driving and other subjects.

ABBREVIATIONS

A.C.	Asphalt Concrete Pavement
Aggr.	Aggregate
ℳ	Baseline
CB	Catch Basin
C.I.	Cast Iron
Cl.	Clear
CL	Class
Conc.	Concrete
CRM	Cement Rubble Masonry
El.	Elevation
Ga.	Gage
Galv.	Galvanized
Inv.	Invert
Lt.	Left
MH	Manhole
Pavt.	Pavement
P.I.	Point of Intersection of Tangents
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
Rt.	Right
Sta.	Station
Std.	Standard
Typ.	Typical

ROADWAY & DETOUR CONSTRUCTION NOTES :

- See Sheet S-3 for horizontal and vertical alignment of Makai Frontage Road and War Memorial Access Road.
- Existing portable concrete and metal guard rails shall be removed and stored at the Keehi Base Yard as directed by the Engineer.
- Payment for removal and disposal of existing structures, concrete slabs, manholes, drain pipes and trees, etc. shall be considered incidental to various contract items.

GAS NOTES :

- The GASCO, INC. 16 inch high pressure gas transmission line is plastic coated and cathodically protected. The contractor shall be extremely careful when working near the gas pipeline.
- Prior written clearance must be obtained from GASCO Maps and Records, 515 Kamakee Street, at least five (5) working days before starting any excavation near these gas lines.

Since gas line locations on field maps are approximate, the contractor, after obtaining a written clearance, shall call GASCO, INC., a minimum of 48 hours before starting excavation to arrange for field location of existing gas lines. The telephone number is 547-3575 during business hours, and 526-0066 after hours.

The contractor shall excavate and backfill around gas pipelines in the presence of a GASCO, INC. representative. All backfill within twelve inches of the pipeline shall be select cushion material approved by GASCO, INC.
- For all work on gas facilities, the contractor shall notify GASCO, INC. five (5) working days before starting. The contractor shall provide the necessary excavation and backfill, arrange for traffic permits, and restore pavement, sidewalks, or other facilities. Any relocation of gas facilities shall be performed by GASCO, INC.
- The contractor shall notify GASCO, INC. immediately after any damage has been caused to existing gas pipelines, coatings or its cathodic protection devices. Repair work on such damage shall be done by GASCO, INC. with payment for this work to be borne by the contractor.
- Minimum vertical or horizontal clearance between the pipeline and other pipelines, conduits, or ductlines shall be 24 inches. Adequate support and protection for any section of gas pipeline exposed in the trench shall be provided by the contractor and approved by GASCO, INC.
- The contractor shall work in an expeditious manner in order to keep uncovered gas pipelines exposed for as short a period of time as possible.

GRADING NOTES :

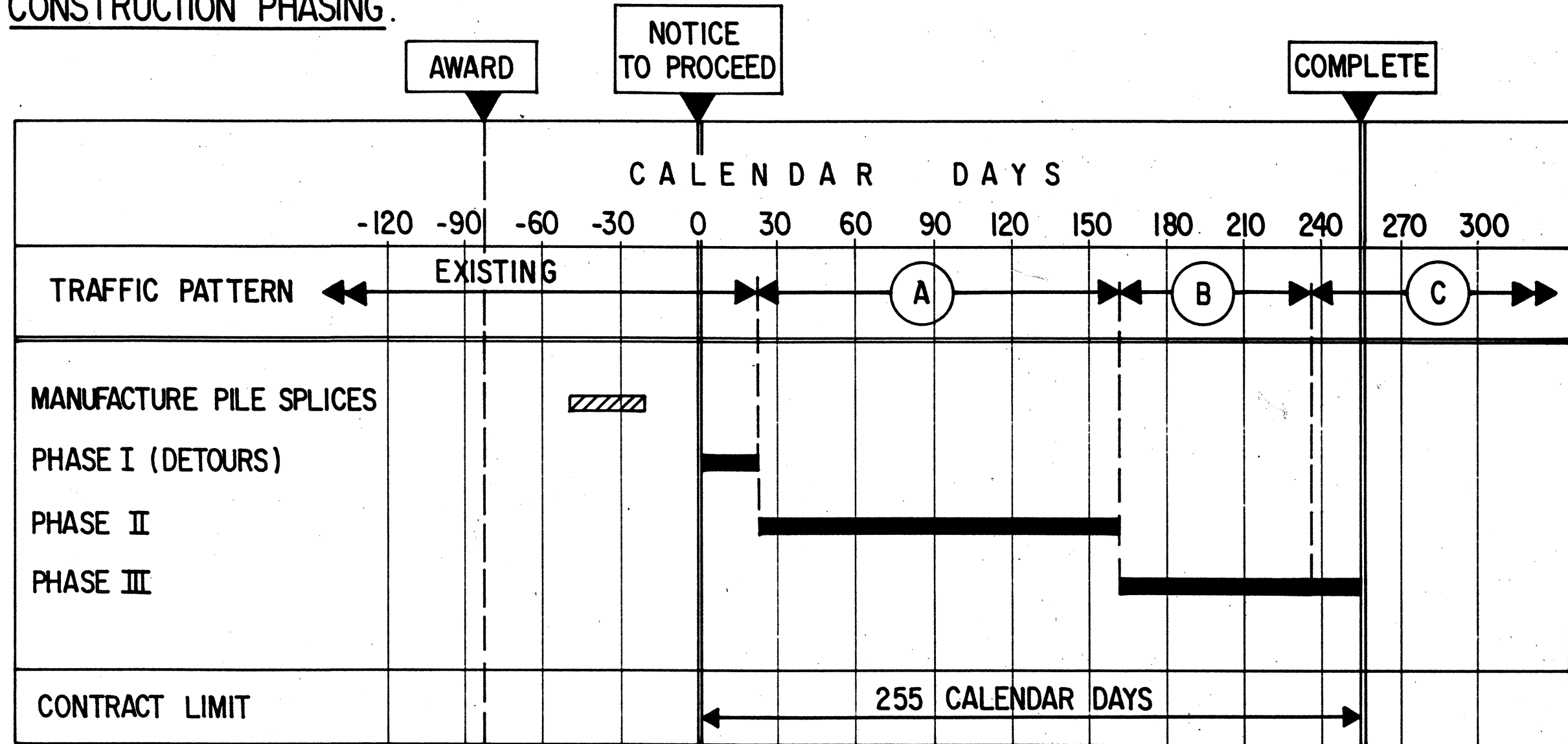
- Existing pavement (incl. detour pavement) within 6" of the finish grade of areas to be graded shall be removed. All other existing pavement shall be rooted, plowed, pulverized or scarified to a minimum depth of 6". Payment for removal of existing pavement will be made under "Roadway Excavation." Payment for scarifying, etc. of existing pavement shall be considered incidental to various contract items.
- After implementation of Traffic Pattern (B), all temporary earth retaining structures, 18" culvert and detour embankments except for Detour X between Sta. 227+55 and Sta. 228+34 on the north side of the reset chain link fence shall be removed. Chain link fence, grading, ground protection material, bituminous surface treatment and other miscellaneous items shall be restored to the original condition or as directed by the Engineer.

Detour embankments shall be removed within 10 calendar days after implementation of Traffic Pattern (B).

Payment for removal of temporary earth retaining structures and 18" culvert and other miscellaneous work shall be considered incidental to various contract items. Excavation, chain link fence, ground protection material and bituminous surface treatment will be paid for under the appropriate pay items.

All temporary material to become the property of the Contractor.
- For additional Grading Notes see Sheet No. C-7.

CONSTRUCTION PHASING:

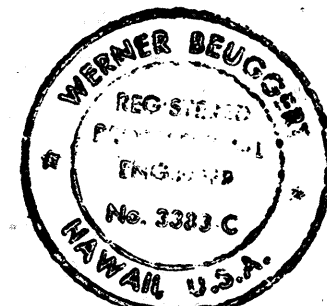


NOTE: THE ABOVE PHASING/SCHEDULE IS PROVIDED ONLY TO INDICATE THE RELATIONSHIP BETWEEN TRAFFIC PATTERNS & CONSTRUCTION PHASES. THE CONTRACTOR IS RESPONSIBLE FOR THE DEVELOPMENT OF PROGRESS SCHEDULE AND CONSTRUCTION PHASING.

APPROVED:

Dufmunk
Gasco, Inc.

0-24-88
Date



THIS WORK WAS PREPARED BY
CH. RICHARD J. SUPERVISOR
Werner Bruggert

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**NOTES &
CONSTRUCTION PHASING**

KEEHI INTERCHANGE
Trestle Structure at Makai Front. Rd.
FAIP NO. IR - HI - 1 (210):17

SCALE: NO SCALE DATE: MAY 1, 1988
SHEET NO. C-1 OF 13 SHEETS