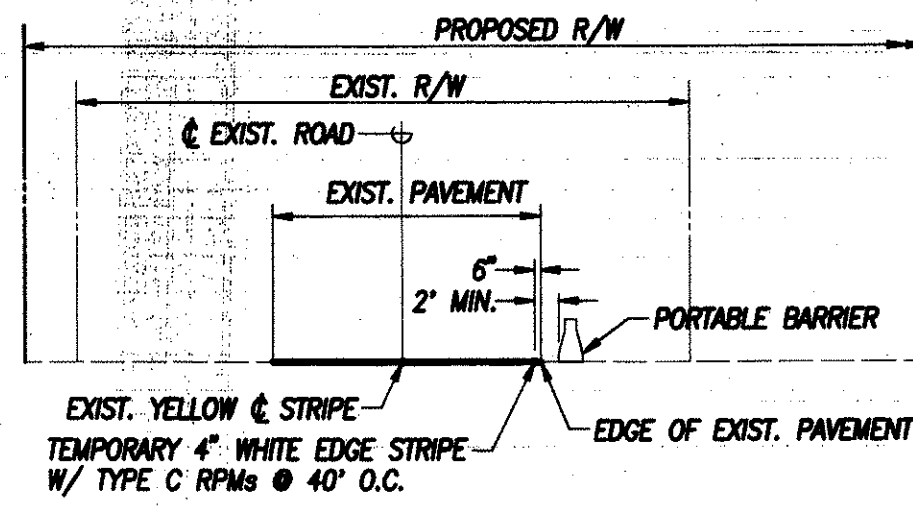
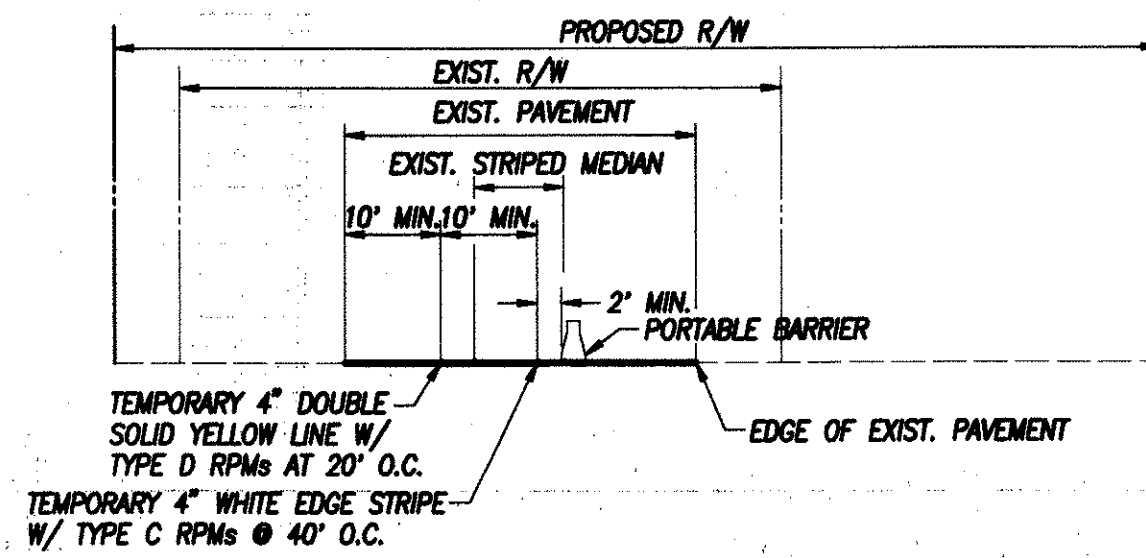
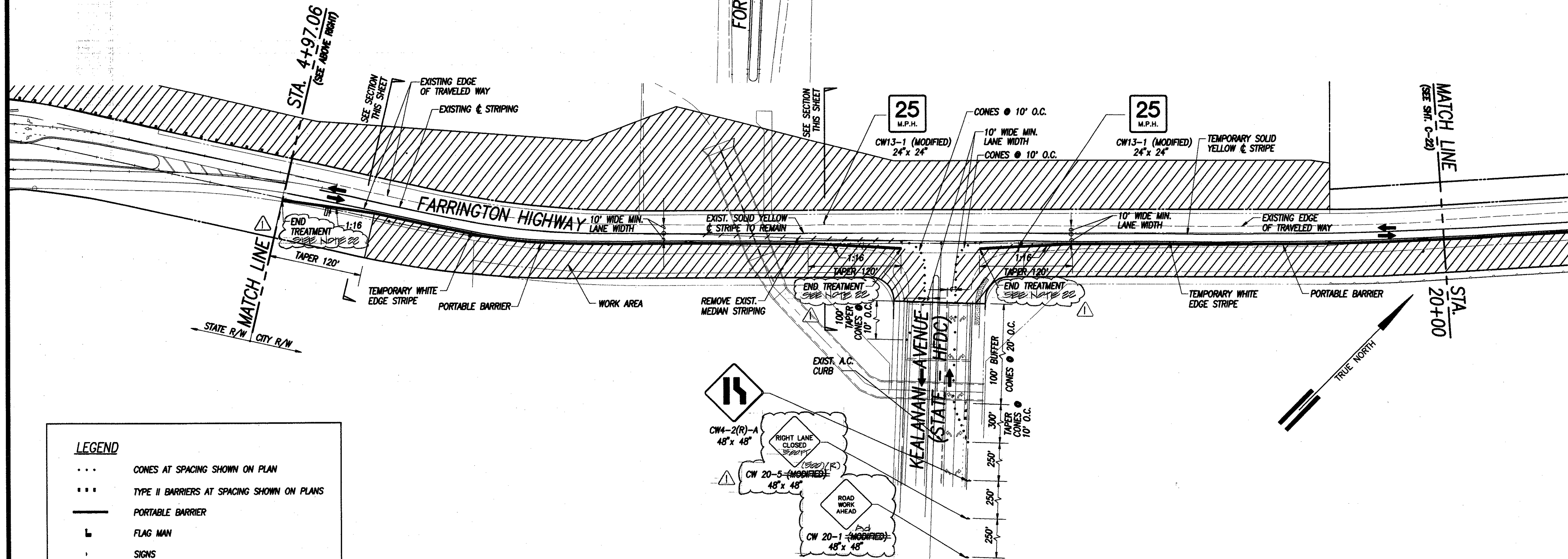




SECTION - STA 6+00
NOT TO SCALE
(TYPICAL FOR TWO-LANE EXIST. PAVEMENT AREAS)



SECTION - STA 12+00
NOT TO SCALE
(TYPICAL FOR WIDE EXIST. PAVEMENT AREAS)



NOTE ON PAVEMENT MARKERS, STRIPING AND MARKINGS:

TEMPORARY PAVEMENT MARKERS, STRIPING AND MARKINGS SHALL BE INSTALLED AS SHOWN ON THE TRAFFIC CONTROL PLANS. UPON COMPLETION OF WIDENING AND UTILITY IMPROVEMENTS WITHIN THE STATE RIGHT-OF-WAY AT FARRINGTON HIGHWAY/MAKAKILO DRIVE/FORT BARRETTE ROAD INTERSECTION, PERMANENT PAVEMENT MARKERS, STRIPING AND MARKINGS SHALL BE INSTALLED ON THE FOLLOWING LEGS OF THE INTERSECTION:

- NORTH LEG - MAKAKILO DRIVE
- SOUTH LEG - FORT BARRETTE ROAD
- WEST LEG OF FARRINGTON HIGHWAY

TEMPORARY PAVEMENT MARKERS, STRIPING AND MARKINGS SHALL BE INSTALLED ON THE EAST LEG OF FARRINGTON HIGHWAY, AS SHOWN ON THE TRAFFIC CONTROL PLANS, FOR THE DURATION OF THE PROJECT.

UPON COMPLETION OF ALL WIDENING AND UTILITY IMPROVEMENTS, THE FINAL LAYER OF ASPHALT CONCRETE SHALL BE SPREAD AS SPECIFIED IN SECTION 02500, PAVING AND SURFACING, OF THE SPECIFICATIONS, ALONG THE ENTIRE LENGTH OF THE PROJECT BEGINNING AT THE FARRINGTON HIGHWAY/MAKAKILO DRIVE/FORT BARRETTE ROAD INTERSECTION. PERMANENT PAVEMENT MARKERS, STRIPING AND MARKINGS SHALL BE INSTALLED AS SPECIFIED IN SECTION 02577, PAVEMENT MARKERS, STRIPING AND MARKINGS, OF THE SPECIFICATIONS.

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

- THE PERMITTEE SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
- CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
- TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICE FARTHEST FROM THE WORK AREA SHALL BE PLACED FIRST. THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
- REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED. ALL SIGNS SHALL BE RESTORED UPON COMPLETION OF THE WORK.
- FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
- WHEN REQUIRED BY THE ISSUING OFFICE, THE PERMITTEE SHALL INSTALL A FLASHING ARROW SIGNAL WHETHER OR NOT SHOWN ON THE TRAFFIC CONTROL PLANS.
- ALL TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
- ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
- THE BACKS OF ALL SIGNS USED FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (I.E., WHEN SIGNS HAVE MESSAGES ON BOTH FACES).
- AT THE END OF EACH DAY'S WORK OR AS SOON AS THE WORK IS COMPLETED, THE PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION.
- REPLACE PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS UPON COMPLETION OF EACH PHASE OF WORK.
- CONTRACTOR TO ENSURE THAT CONES WILL NOT BE BLOWN OVER OR DISPLACED. TYPE II BARRICADES WITH AMBER FLASHING LIGHTS SHALL BE USED AS SHOWN ON PLANS AND IN LIEU OF CONES FOR NIGHTTIME DELINEATION OF WORK AREA. TYPE II BARRICADES SHALL BE OFFSET TWO FEET FROM THE TRAVELWAY.
- BUFFER AND TAPER AREAS ON APPROACH TO ANY WORK SITE SHALL BE KEPT CLEAR OF VEHICLES AND EQUIPMENT.
- THE PERMITTEE SHALL CONTROL TRAFFIC GOING IN AND OUT OF DRIVEWAYS.
- CONES AND DELINEATORS SHALL BE SPACED AT A MAXIMUM DISTANCE OF 25 FEET APART. A MINIMUM OF NINE CHANNELIZING DEVICES SHALL BE USED FOR EACH TAPER LENGTH.
- TEMPORARY PATHS SHALL BE PROVIDED BETWEEN FORT BARRETTE ROAD AND PAPAULU AVENUE TO FACILITATE SAFE PASSAGE OF PEDESTRIANS DURING CONSTRUCTION. PATHS SHALL BE 3' WIDE, PAVED OR STABILIZED AND PLACED CONFORMING TO ADA ACCESSIBILITY REQUIREMENTS.
- TEMPORARY CROSSWALKS SHALL BE PROVIDED AT THE MAKAKILO DRIVE INTERSECTION TO FACILITATE SAFE PASSAGE OF PEDESTRIANS DURING CONSTRUCTION. CROSSWALKS SHALL BE 10' WIDE, PAVED OR STABILIZED AND PLACED CONFORMING TO ADA ACCESSIBILITY REQUIREMENTS.
- REFLECTIVE PAVEMENT MARKERS OF THE APPLICABLE TYPE SHALL BE USED FOR ALL TEMPORARY STRIPING EXCEPT AT THE MAKAKILO DRIVE INTERSECTION.
- POLICE OFFICERS SHALL BE USED DURING CONSTRUCTION OF THE MAKAKILO DRIVE INTERSECTION.
- CONTRACTOR SHALL COORDINATE WITH THE CITY DEPARTMENT OF TRANSPORTATION SERVICES AND STATE DEPARTMENT OF TRANSPORTATION FOR ANY TEMPORARY TRAFFIC SIGNAL AND INTERSECTION MODIFICATIONS.
- TEMPORARY STREET LIGHTING SHALL BE PROVIDED TO REPLICATE EXISTING CONDITIONS WITHIN AFFECTED AREAS.
- PORTABLE TRAFFIC BARRIERS SHALL BE USED AT LOCATIONS SHOWN ON PLANS AND IN LIEU OF CONES AND TYPE II BARRIERS IF THE LONGITUDINAL GRADE DIFFERENCE IS THREE INCHES OR GREATER. LONGITUDINAL GRADE DIFFERENCES SHALL BE BACKFILLED AT THE END OF EACH WORKDAY AT 2H:1V. BARRIERS SHALL BE CONCRETE AND/OR TRITON OR GUARDIAN, COMPLETE WITH END TREATMENT AND LIGHTING DEVICES. BARRIERS SHALL BE RELOCATED AS REQUIRED TO ACCOMMODATE TRAFFIC CONTROL PLAN PHASING. ALL END TREATMENTS SHALL BE TRITON, GUARDIAN OR SAND BARREL IMPACT ATTENUATORS. INSTALLATION SHALL CONFORM TO FHWA STANDARDS UNDER NCHRP 350 GUIDELINES. THE FIRST 20 FEET OF END TREATMENT DEVICES SHALL BE EQUIPPED WITH TYPE B FLASHING LIGHTS. TYPE C YELLOW STEADY BURNING LIGHTS SHALL BE USED WITHIN LANE TRANSITIONS. ALL OTHER BARRIERS SHALL BE REFLECTORIZED. ALL END TREATMENT AND LIGHTING DEVICES SHALL BE STATE OF HAWAII D.O.T.-ACCEPTED.

* FOR ANY POSSIBLE TEMPORARY HAWAIIAN LANGUAGE TRANSLATIONS OF THE TRAFFIC CONTROL PLAN, THE PERMITTEE SHALL CONSULT WITH THE CITY OF HONOLULU, CITY ENGINEER, AT 555-4500.

LEGEND

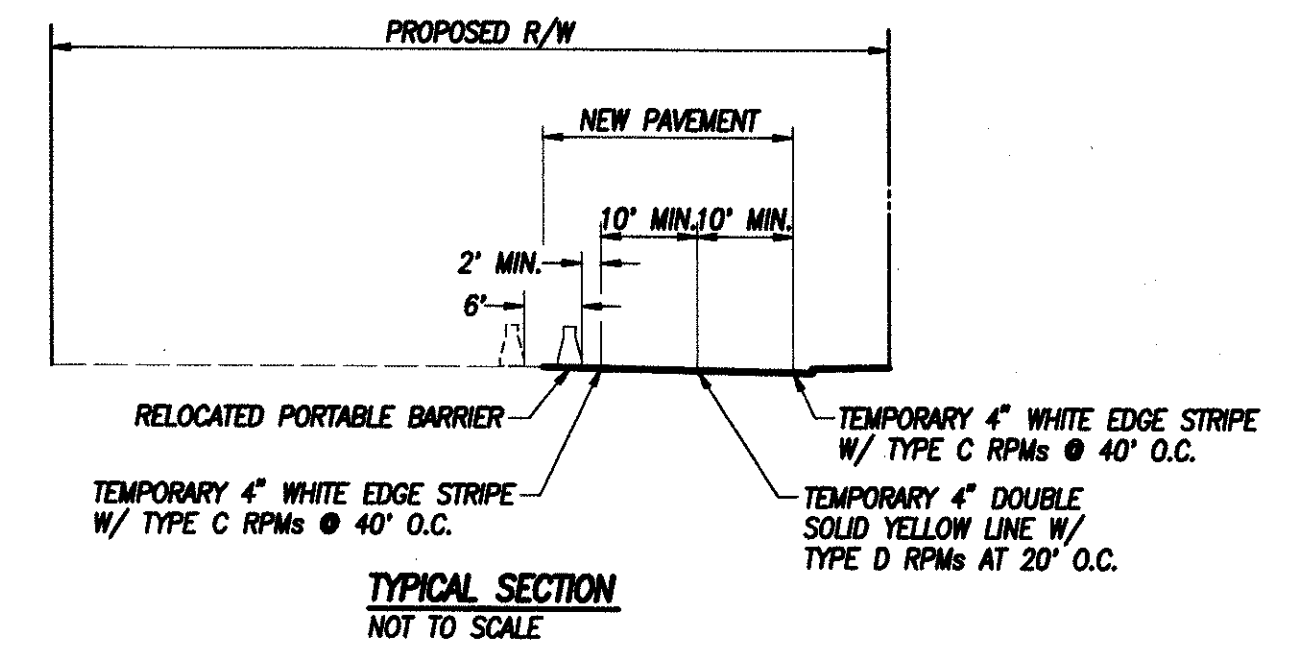
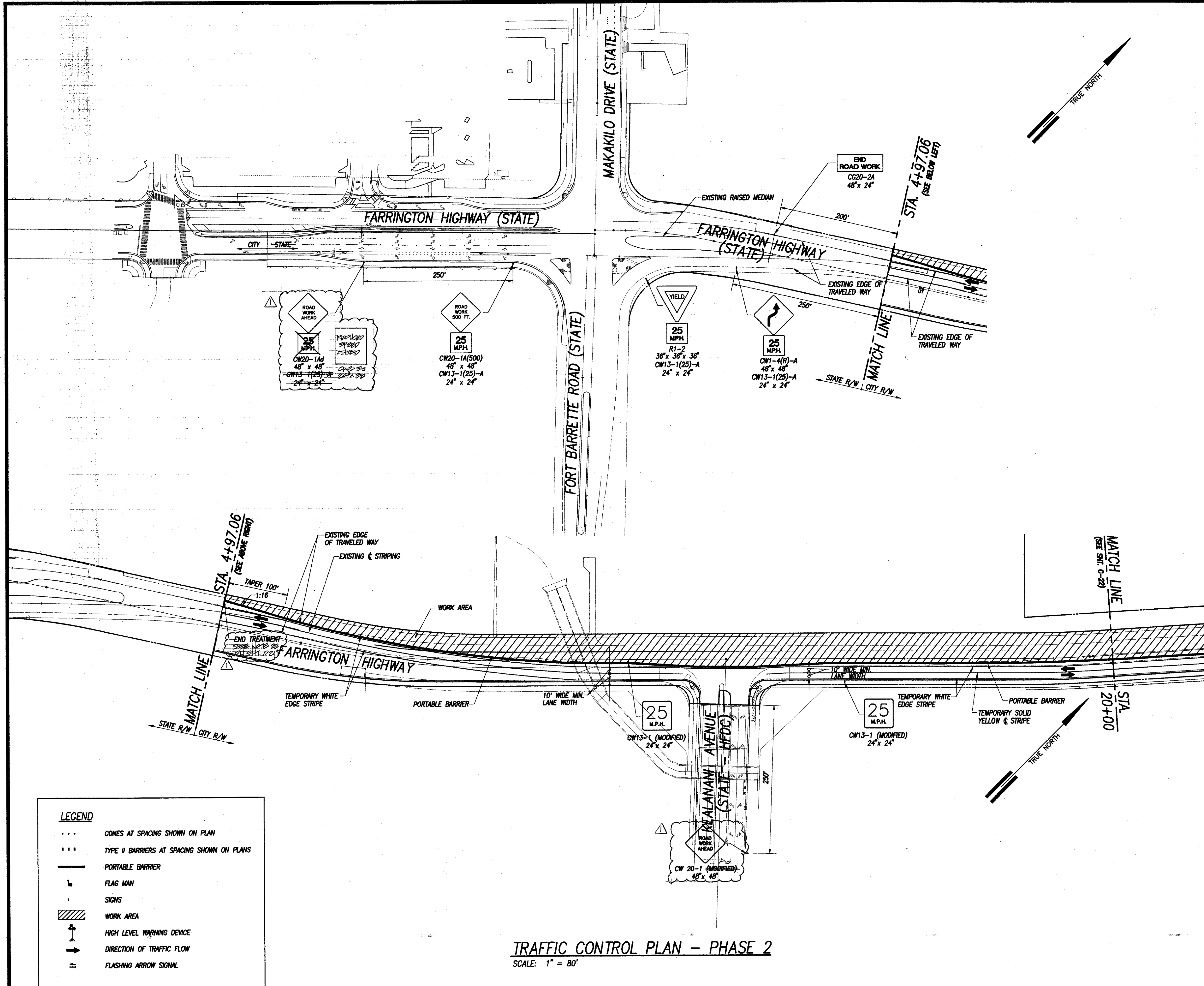
- ... CONES AT SPACING SHOWN ON PLAN
- ... TYPE II BARRIERS AT SPACING SHOWN ON PLANS
- PORTABLE BARRIER
- FLAG MAN
- SIGNS
- WORK AREA
- HIGH LEVEL WARNING DEVICE
- DIRECTION OF TRAFFIC FLOW
- FLASHING ARROW SIGNAL

TRAFFIC CONTROL PLAN - PHASE 1A

SCALE: 1" = 80'

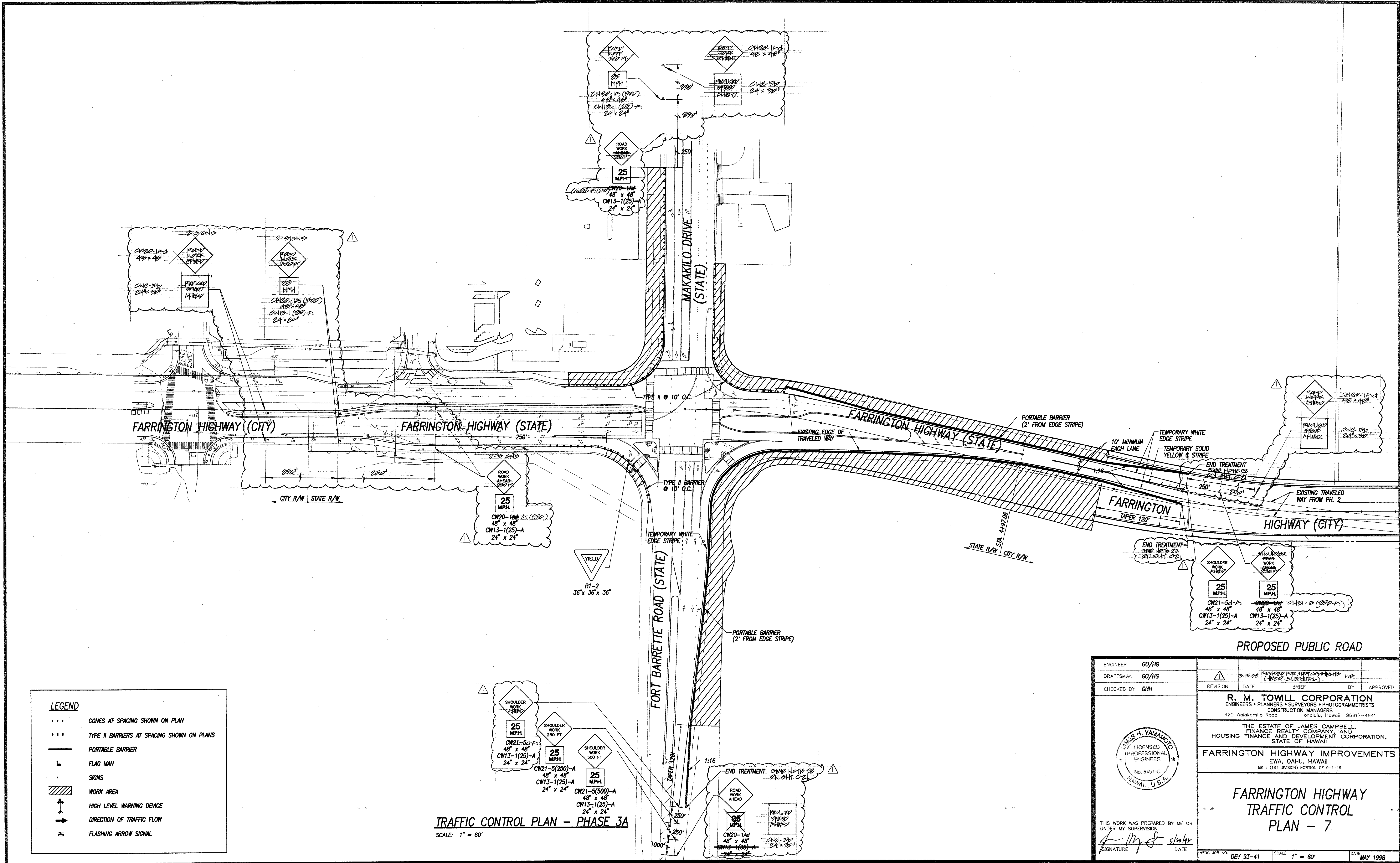
PROPOSED PUBLIC ROAD

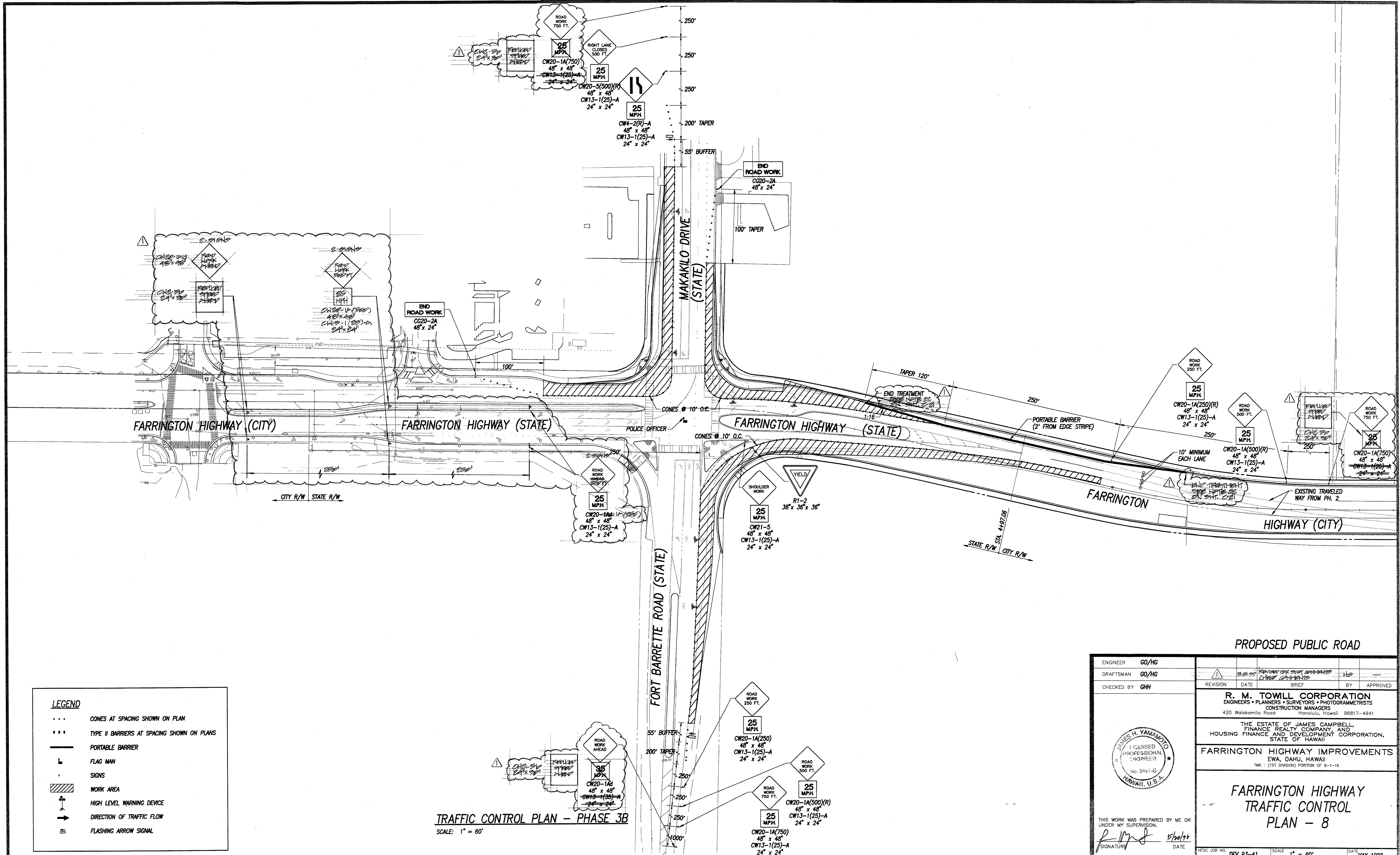
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DRAFTSMAN	GO/HG	1	2-15-98	REVISED FOR SUBMITTAL	HG	
CHECKED BY	GHH					
R. M. TOWILL CORPORATION ENGINEERS • PLANNERS • SURVEYORS • PHOTOGRAMMETRISTS CONSTRUCTION MANAGERS 420 Waiakamilo Road Honolulu, Hawaii 96817-4941						
THE ESTATE OF JAMES CAMPBELL, FINANCE REALTY COMPANY, AND HOUSING FINANCE AND DEVELOPMENT CORPORATION, STATE OF HAWAII FARRINGTON HIGHWAY IMPROVEMENTS EWA, OAHU, HAWAII TMS : (1ST DIVISION) PORTION OF 9-1-16						
FARRINGTON HIGHWAY TRAFFIC CONTROL PLAN - 1						
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.		SIGNATURE		DATE		HFDJ JOB NO. DEV 93-41 SCALE 1" = 80' DATE MAR 1998
FILE		POCKET		FOLDER		NO.

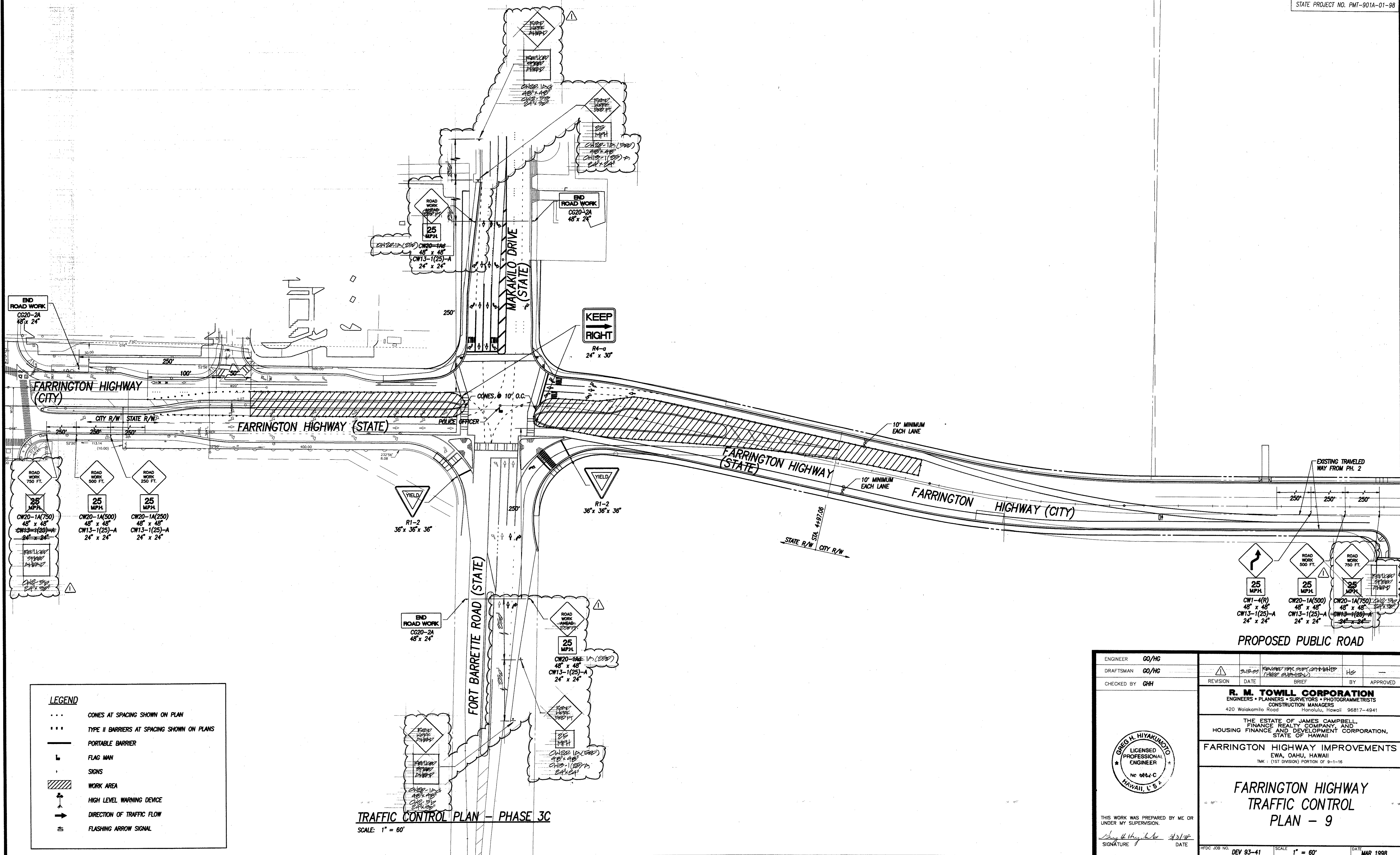


PROPOSED PUBLIC ROAD

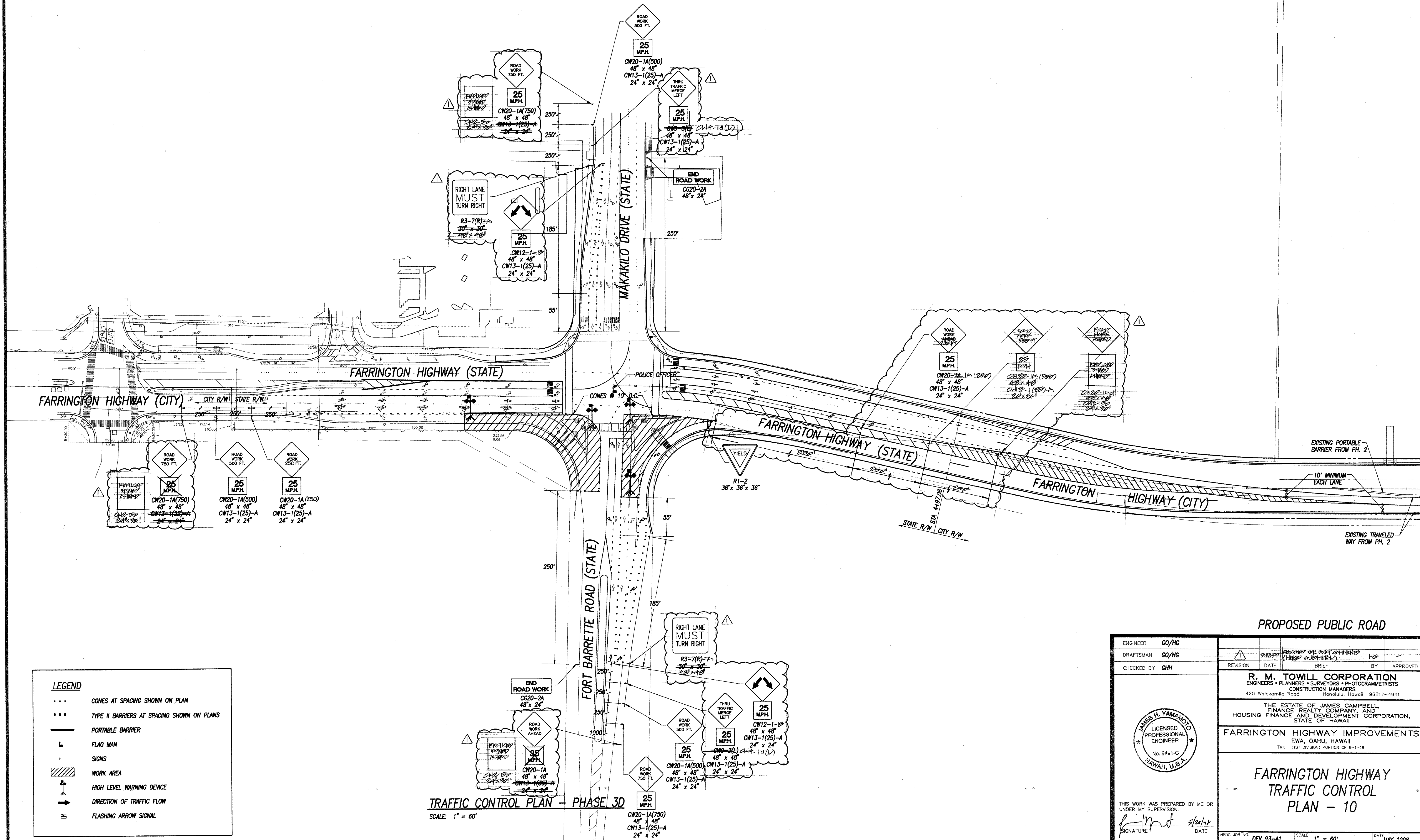
ENGINEER	GO/HG	REVISION	DATE	BRIEF	BY	APPROVED
DRAFTSMAN	GO/HG					
CHECKED BY	GHH	R. M. TOWILL CORPORATION ENGINEERS • PLANNERS • SURVEYORS • PHOTOGRAMMETRISTS CONSTRUCTION MANAGERS 420 Waiakamilo Road, Honolulu, Hawaii 96817-4941				
THE ESTATE OF JAMES CAMPBELL, FINANCE REALTY COMPANY, AND HOUSING FINANCE AND DEVELOPMENT CORPORATION, STATE OF HAWAII						
FARRINGTON HIGHWAY IMPROVEMENTS EWA, OAHU, HAWAII TMK: (1ST DIVISION) PORTION OF 9-1-16						
FARRINGTON HIGHWAY TRAFFIC CONTROL PLAN - 5						
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. SIGNATURE: <i>Greg H. Hiyakundo</i> DATE: <i>3/3/98</i>		HFDC JOB NO. DEV 93-41 SCALE: 1" = 80'		DATE: MAR 1998		

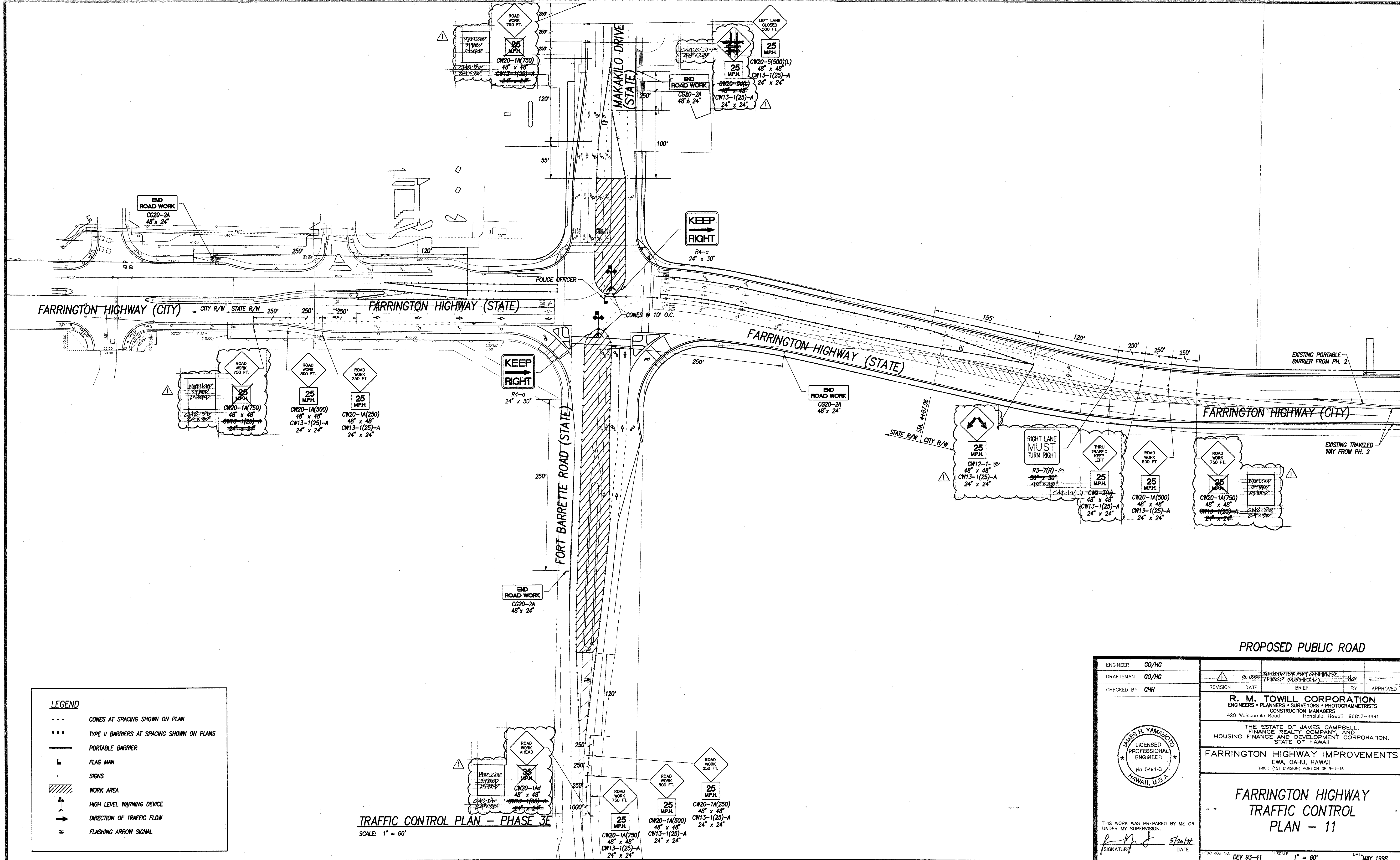






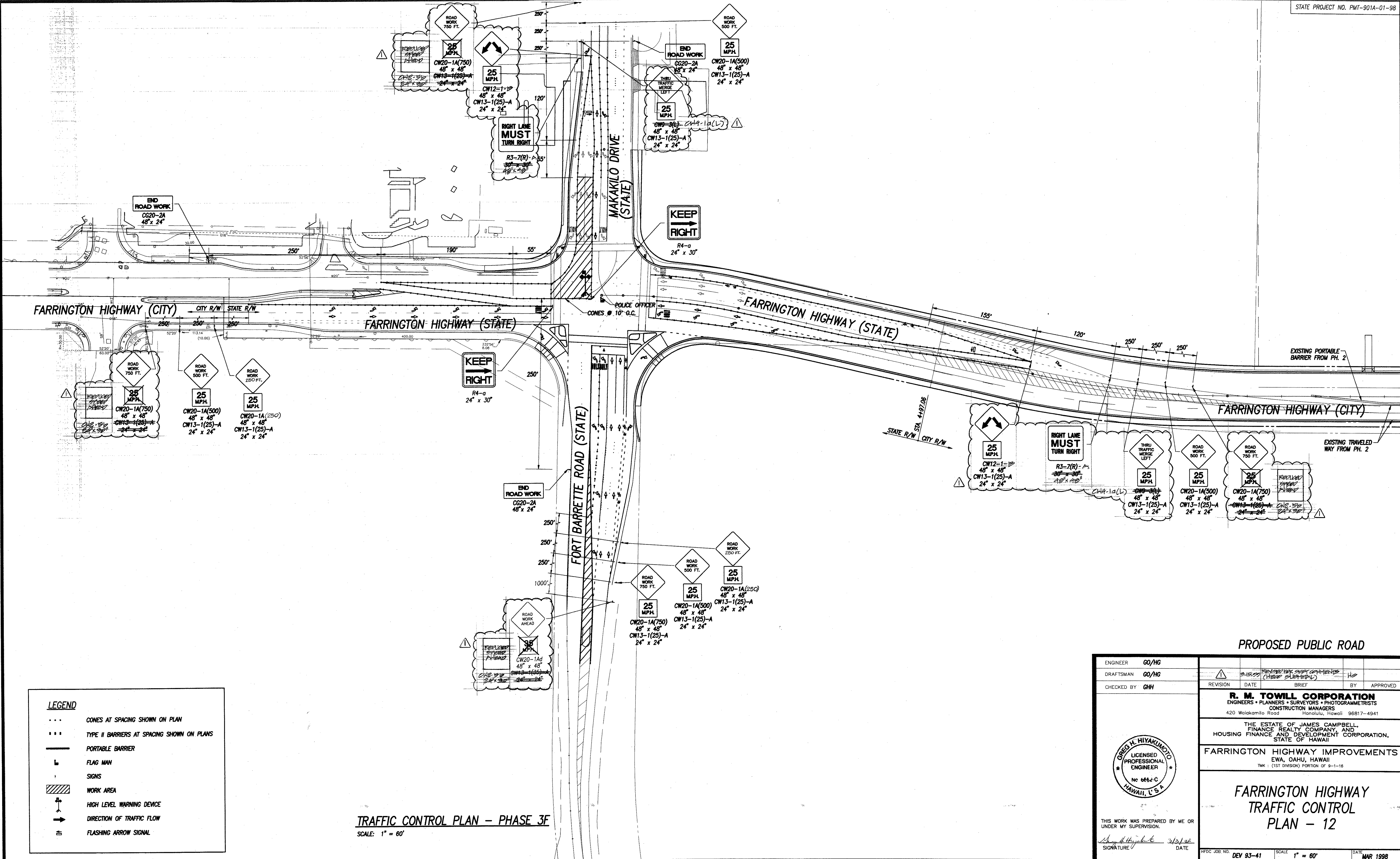
ENGINEER	GO/HG				
DRAFTSMAN	GO/HG				
CHECKED BY	GHH				
REVISION		DATE	BRIEF	BY	APPROVED
1		3/15/98	REVISION FOR SUBMITTAL	HS	
R. M. TOWILL CORPORATION ENGINEERS • PLANNERS • SURVEYORS • PHOTOGRAMMETRISTS CONSTRUCTION MANAGERS 420 Waiakamilo Road, Honolulu, Hawaii 96817-4941					
THE ESTATE OF JAMES CAMPBELL, FINANCE REALTY COMPANY, AND HOUSING FINANCE AND DEVELOPMENT CORPORATION, STATE OF HAWAII					
FARRINGTON HIGHWAY IMPROVEMENTS EWA, OAHU, HAWAII TWP: (1ST DIVISION) PORTION OF 9-1-16					
FARRINGTON HIGHWAY TRAFFIC CONTROL PLAN - 9					
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.		DATE		DATE	
SIGNATURE		3/21/98		DATE	
HFDCC JOB NO.		DEV 93-41		SCALE 1" = 60'	
FILE		POCKET		FOLDER	
NO.		NO.		NO.	





PROPOSED PUBLIC ROAD

ENGINEER	GO/HG	REVISION	DATE	BRIEF	BY	APPROVED
DRAFTSMAN	GO/HG	REMOVED FOR OWN COMMENTS (HOLD SUBMITTED) H				
CHECKED BY	GHH	R. M. TOWILL CORPORATION ENGINEERS • PLANNERS • SURVEYORS • PHOTOGRAMMETRISTS CONSTRUCTION MANAGERS 420 Waiakamilo Road Honolulu, Hawaii 96817-4941				
THE ESTATE OF JAMES CAMPBELL, FINANCE REALTY COMPANY, AND HOUSING FINANCE AND DEVELOPMENT CORPORATION, STATE OF HAWAII						
FARRINGTON HIGHWAY IMPROVEMENTS EWA, OAHU, HAWAII TMK : (1ST DIVISION) PORTION OF 9-1-16						
FARRINGTON HIGHWAY TRAFFIC CONTROL PLAN - 11						
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. SIGNATURE: <i>[Signature]</i> DATE: 5/20/98		HPDC JOB NO. DEV 93-41 SCALE: 1" = 60' DATE: MAY 1998				

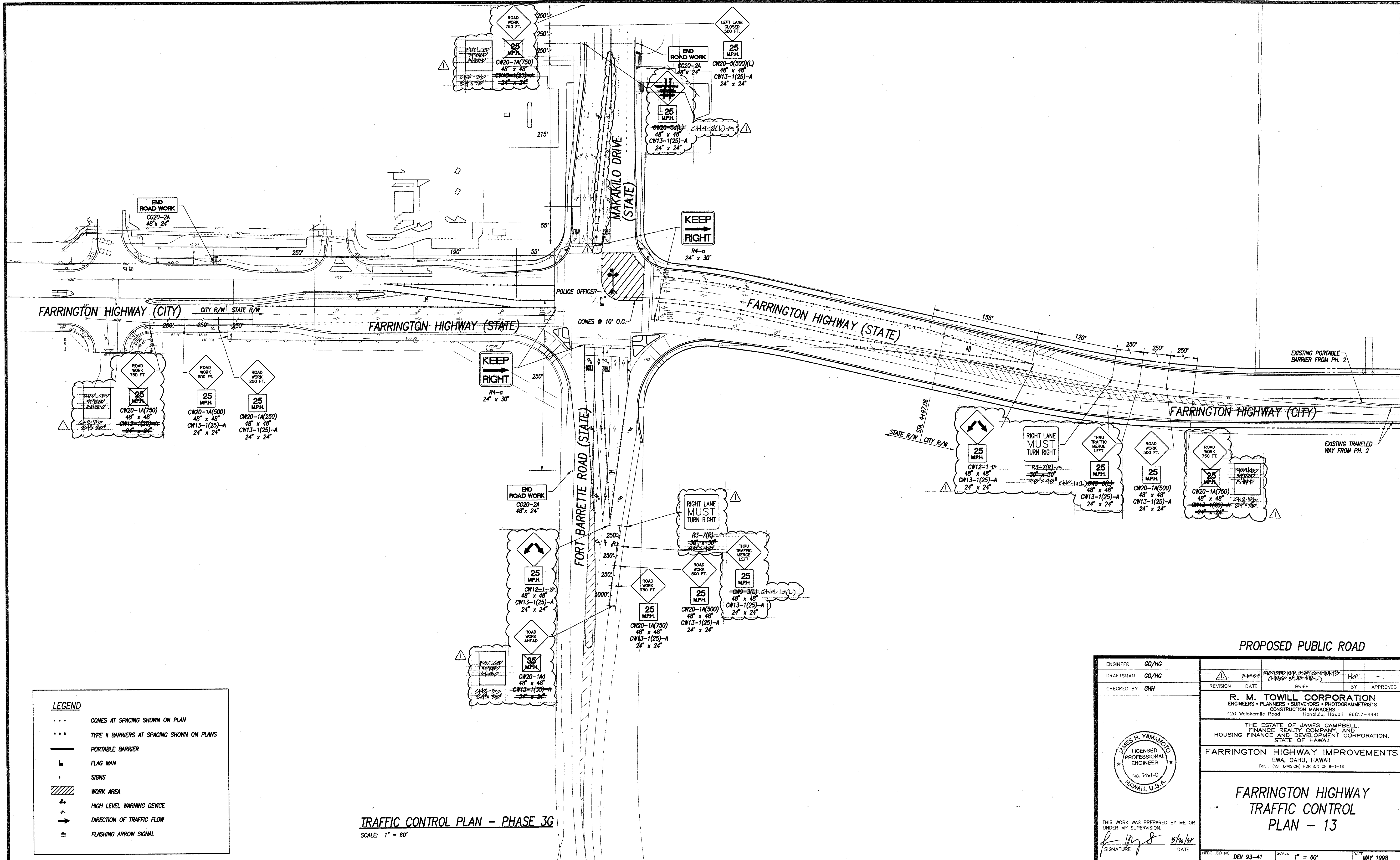


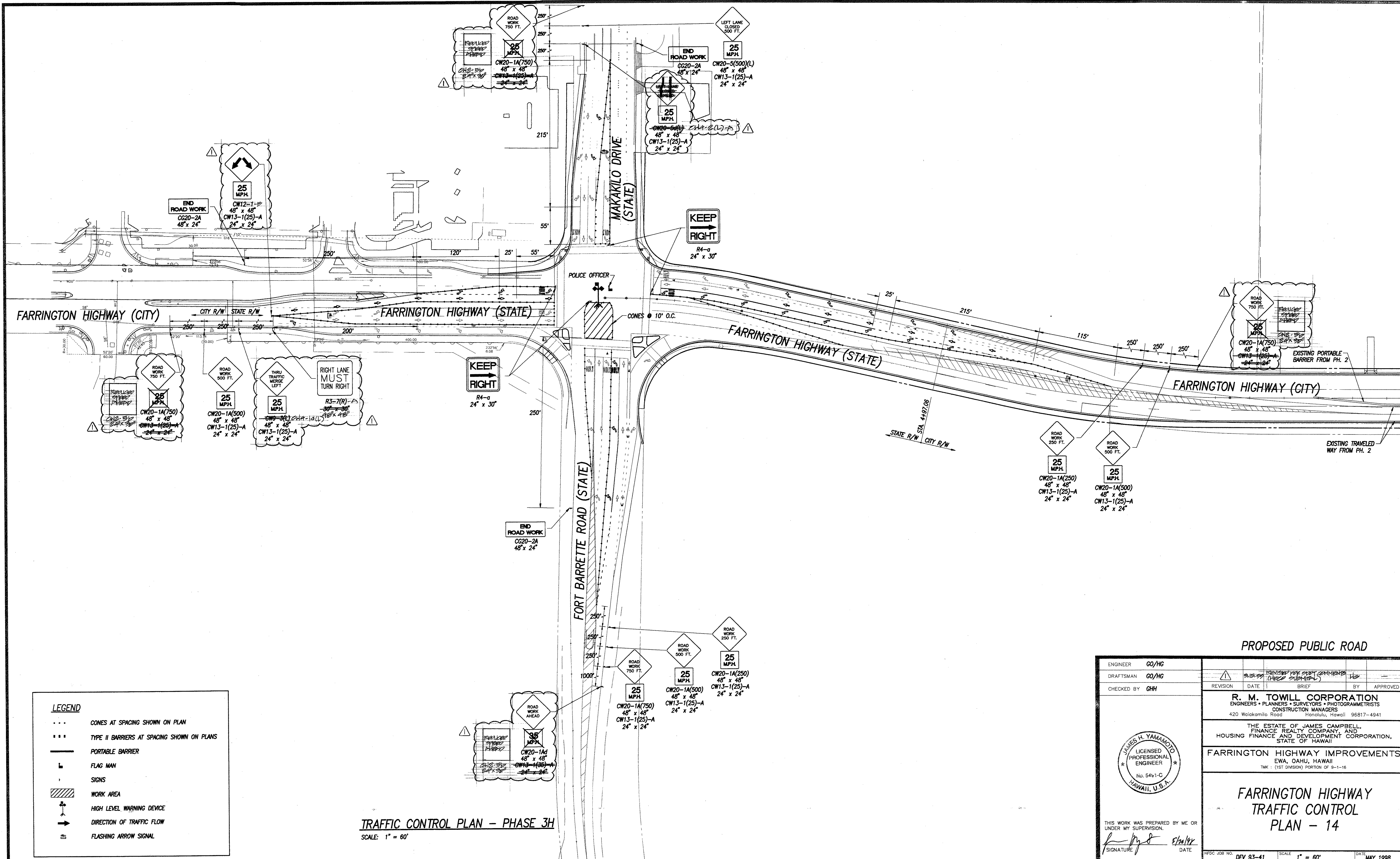
- LEGEND**
- ... CONES AT SPACING SHOWN ON PLAN
 - ... TYPE II BARRIERS AT SPACING SHOWN ON PLANS
 - PORTABLE BARRIER
 - ⬇ FLAG MAN
 - ⬆ SIGNS
 - ▨ WORK AREA
 - ⬆ HIGH LEVEL WARNING DEVICE
 - ➡ DIRECTION OF TRAFFIC FLOW
 - ⚡ FLASHING ARROW SIGNAL

TRAFFIC CONTROL PLAN - PHASE 3F
SCALE: 1" = 60'

PROPOSED PUBLIC ROAD

ENGINEER	GO/HG
DRAFTSMAN	GO/HG
CHECKED BY	GHH
REVISION	DATE
BY APPROVED	
R. M. TOWILL CORPORATION ENGINEERS • PLANNERS • SURVEYORS • PHOTOGRAMMETRISTS CONSTRUCTION MANAGERS 420 Waiakamilo Road Honolulu, Hawaii 96817-4941	
THE ESTATE OF JAMES CAMPBELL, FINANCE REALTY COMPANY, AND HOUSING FINANCE AND DEVELOPMENT CORPORATION, STATE OF HAWAII	
FARRINGTON HIGHWAY IMPROVEMENTS EWA, OAHU, HAWAII TMK : (1ST DIVISION) PORTION OF 9-1-16	
FARRINGTON HIGHWAY TRAFFIC CONTROL PLAN - 12	
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. <i>Greg H. Hiyakumoto</i> 3/2/98 SIGNATURE DATE	
HDJC JOB NO.	DEV 93-41
SCALE	1" = 60'
DATE	MAR 1998
FILE	POCKET
FOLDER	NO.





- LEGEND**
- ... CONES AT SPACING SHOWN ON PLAN
 - ... TYPE II BARRIERS AT SPACING SHOWN ON PLANS
 - PORTABLE BARRIER
 - FLAG MAN
 - SIGNS
 - WORK AREA
 - HIGH LEVEL WARNING DEVICE
 - DIRECTION OF TRAFFIC FLOW
 - FLASHING ARROW SIGNAL

TRAFFIC CONTROL PLAN - PHASE 3H
SCALE: 1" = 60'

PROPOSED PUBLIC ROAD

ENGINEER	GO/HG	REVISION	DATE	BRIEF	BY	APPROVED
DRAFTSMAN	GO/HG	1	5/22/98	TRAFFIC CONTROL PLAN		
CHECKED BY	GHH					
R. M. TOWILL CORPORATION ENGINEERS • PLANNERS • SURVEYORS • PHOTOGRAMMETRISTS CONSTRUCTION MANAGERS 420 Waiakamilo Road Honolulu, Hawaii 96817-4941						
THE ESTATE OF JAMES CAMPBELL, FINANCE REALTY COMPANY, AND HOUSING FINANCE AND DEVELOPMENT CORPORATION, STATE OF HAWAII						
FARRINGTON HIGHWAY IMPROVEMENTS EWA, OAHU, HAWAII TMK : (1ST DIVISION) PORTION OF 9-1-16						
FARRINGTON HIGHWAY TRAFFIC CONTROL PLAN - 14						
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. SIGNATURE: <i>[Signature]</i> DATE: 5/22/98						
HFDG JOB NO. DEV 93-41 SCALE 1" = 60' DATE MAY 1998						
FILE POCKET FOLDER NO.						