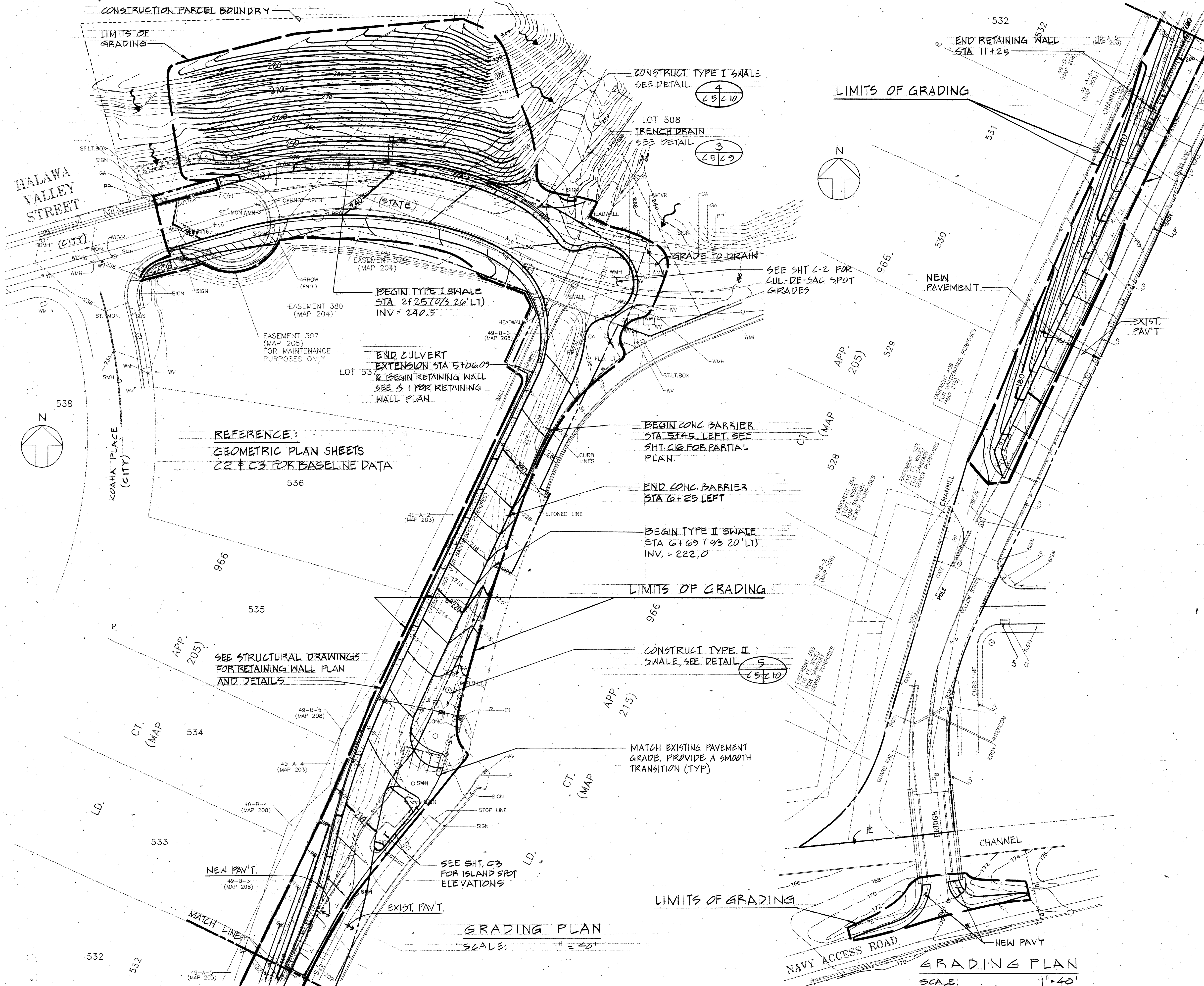


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YR.	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(73)	1996	9	42



- GRADING NOTES:**
- ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH CHAPTER 14 ARTICLES 13, 14, 15 & 16, AS RELATED TO GRADING, SOIL EROSION & SEDIMENT CONTROL OF THE REVISED ORDINANCES OF HONOLULU, 1990, AS AMENDED, & SOILS REPORT BY DAMES & MOORE, TITLED "SOIL & FOUNDATION INVESTIGATION, PROPOSED HALAWA PRISON ACCESS ROAD & EARTHQUAKE SOIL ANALYSIS, INTERSTATE H-3 QUARRY VIADUCT, F.A.I. PROJECT NO. I-H3-1 (51) & (54), HALAWA, OAHU, HAWAII; DAMES & MOORE JOB NO. 04408-195-011, DATED JULY 21, 1993. (REVISED REPORT, DATED JULY 21, 1995).
  - NO CONTRACTOR SHALL PERFORM ANY GRADING ACTIVITY SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW INTO ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE COSTS INCURRED FOR ANY REMEDIAL ACTION BY THE CHIEF ENGINEER SHALL BE PAYABLE BY THE CONTRACTOR.
  - THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA & SURROUNDING AREA FREE FROM DUST, MUD, AND DEBRIS. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS CONTAINED IN CHAPTER 11-60, "AIR POLLUTION CONTROL".
  - UNDERGROUND PIPES, CABLES OR DUTILINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS & DEPTH OF THE FACILITIES & EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHEREVER CONNECTIONS OF NEW UTILITIES ARE MADE ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS & DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.
  - ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT- LADEN RUNOFF FROM LEAVING THE SITE.
  - ALL SLOPES & EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS, & ANY AREA, WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED, SHALL BE PLANTED.
  - FILLS ON SLOPES STEEPER THAN 5 HORIZONTAL TO 1 VERTICAL SHALL BE KEYED.
  - THE CITY SHALL BE INFORMED OF THE LOCATION OF THE BORROW/DISPOSAL SITE FOR THE PROJECT WHEN THE APPLICATION FOR A GRADING PERMIT IS MADE. THE BORROW/DISPOSAL SITE MUST ALSO FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
  - NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS OR HOLIDAYS AT ANY TIME WITHOUT PRIOR WRITTEN NOTICE TO THE ENGINEER, PROVIDED SUCH GRADING WORK IS ALSO IN CONFORMANCE WITH HAWAII ADMINISTRATIVE RULES, CHAPTER 11-43, "COMMUNITY NOISE CONTROL FOR OAHU."
  - THE LIMITS OF AREA TO BE GRADED SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
  - ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER POLLUTION CONTROL & WATER QUALITY STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES, CHAPTER 11-55, "WATER POLLUTION CONTROL" & CHAPTER 11-54, "WATER QUALITY STANDARDS" & IF APPLICABLE, THE NEDES PERMIT FOR THE PROJECT.
  - WHERE APPLICABLE & FEASIBLE THE MEASURES TO CONTROL EROSION & OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTH MOVING PHASE OF THE GRADING IS INITIATED.
  - TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN PLACE & ESTABLISHED.
  - TEMPORARY EROSION CONTROL PROCEDURES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO APPLICATION FOR GRADING PERMIT.
  - IF GRADING WORK INVOLVES CONTAMINATED SOIL, THEN ALL GRADING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE & FEDERAL REQUIREMENTS.
  - NON-COMPLIANCE TO ANY OF THE ABOVE REQUIREMENTS SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, & REMEDIAL WORK SHOULD COMMENCE IMMEDIATELY. ALL COSTS INCURRED SHALL BE BILLED TO THE PERMITTEE. FURTHERMORE, VIOLATORS SHALL BE SUBJECTED TO ADMINISTRATIVE, CIVIL &/OR CRIMINAL PENALTIES.
  - BUILDING PERMIT FOR RETAINING WALLS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF GRADING WORK ON SITE.
  - FOR BENCH MARK, SEE SHEET C 2.

SSPM ENGINEERS, P.C.  
CONSULTING ENGINEERS  
501 SUMNER STREET, SUITE 502  
HONOLULU, HAWAII 96817

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LICENSED PROFESSIONAL ENGINEER  
No. 4076-C  
HAWAII, U.S.A.

This work was prepared by me or under my supervision.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**HALAWA JAIL ACCESS ROAD**

**GRADING PLAN**

INTERSTATE ROUTE H3  
F.A.I. PROJECT NO. I-H3-1(73)

SCALE: 1" = 40' DATE: APR. 1996

**SHEET No. 09 OF 42 SHEETS**