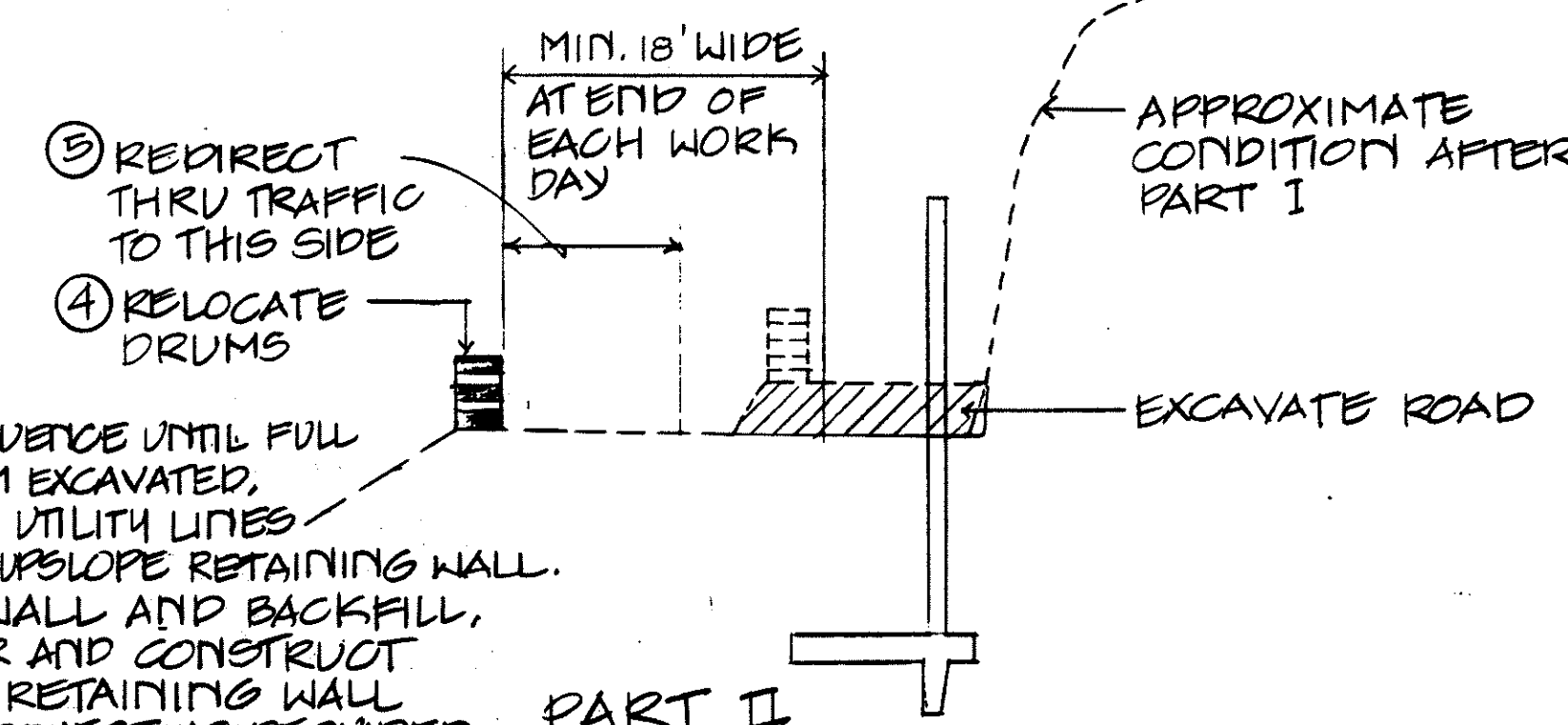
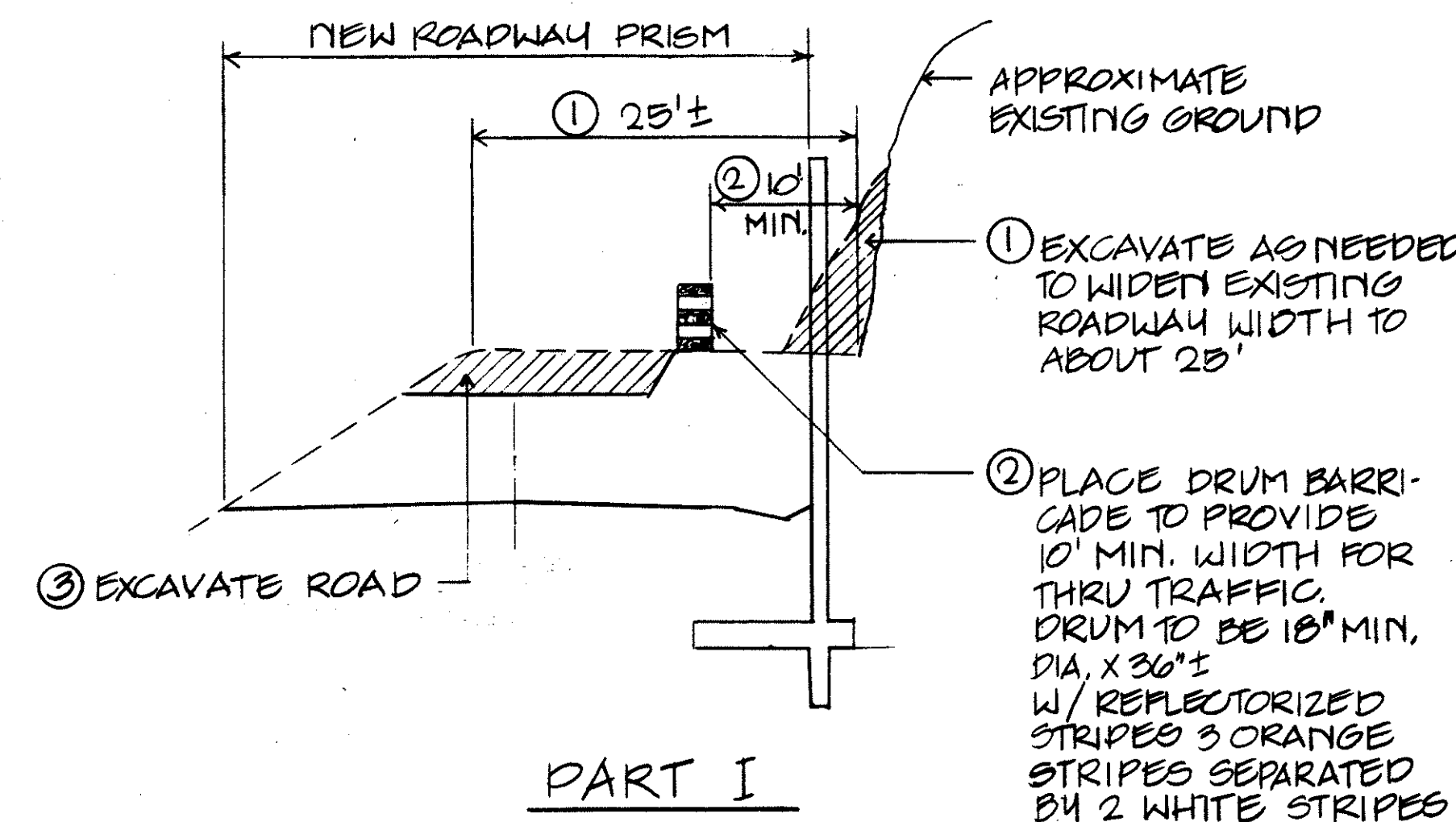


| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY.-H-01-86 | 1987        | 31        | 115          |

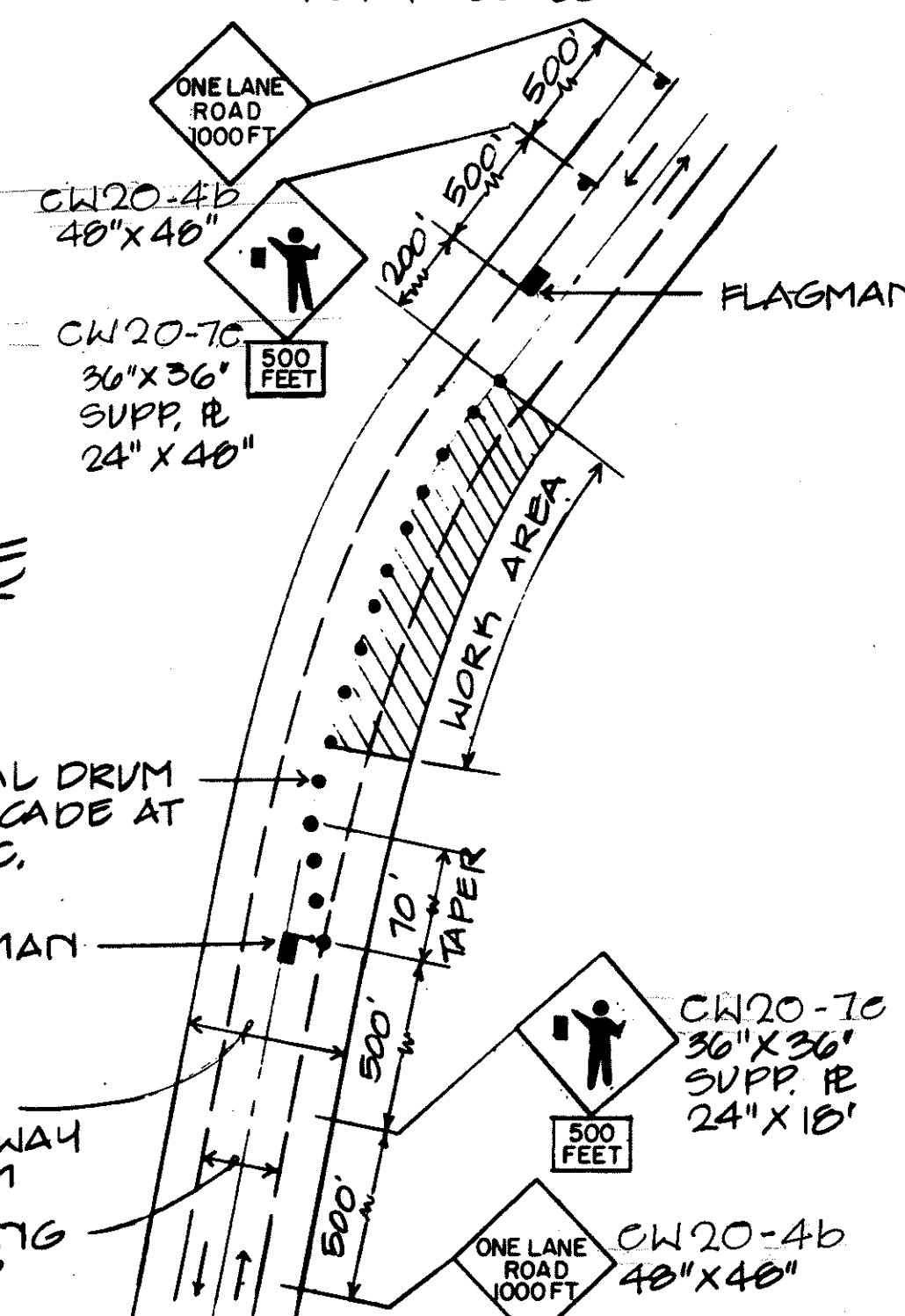
# CONSTRUCTION SEQUENCING NOTES

- THE CONTRACTOR SHALL DEVELOP A CONSTRUCTION SEQUENCING PLAN SO THAT AT LEAST ONE LANE OF TRAFFIC CAN PASS AT ALL TIMES DURING DAYLIGHT HOURS. AT NIGHT A MINIMUM 18' WIDE DRIVEABLE ROADWAY WIDTH SHALL BE PROVIDED. CONTRACTOR SHALL SUBMIT CONSTRUCTION SEQUENCING PLAN TO THE STATE DEPARTMENT OF TRANSPORTATION-HIGHWAYS DIVISION PROJECT ENGINEER AND THE MAUNA KEA OBSERVATORY SUPPORT SERVICES MANAGER FOR REVIEW AND WRITTEN APPROVAL AT LEAST 15 DAYS BEFORE BEGINNING CONSTRUCTION. DETAIL "A" ON THIS SHEET AND THE FOLLOWING SEQUENCING NOTES ARE PROVIDED FOR THE CONTRACTOR'S CONSIDERATION.
- CONSTRUCTION WORK SHALL GENERALLY START FROM THE SUMMIT AREA DOWN TOWARD HALE POHAKU.
- THE FOLLOWING GRADING SEQUENCE MAY BE CONSIDERED:
  - GRADE MAIN ACCESS ROAD FROM BEGINNING TO ABOUT STA 25+00. STOCKPILE EXCESS EXCAVATED MATERIAL IN STOCKPILE AREA NEAR SPUR 3.
  - GRADE SPUR 1 AND CONSTRUCT WALLS WHERE INDICATED.
  - GRADE AREA AT THE END OF PHASE 1 MAIN ACCESS ROAD NEAR STA 52+37.
  - GRADE REMAINING PORTIONS OF MAIN ACCESS ROAD, AND CONSTRUCT DRAINAGE FACILITIES AND WALLS WHERE INDICATED.
  - GRADE SPUR 3, AND CONSTRUCT DRAINAGE FACILITIES AND WALLS WHERE INDICATED.
  - AND G. GRADE SPUR 4 AND SPUR 2.
- CONSTRUCT DRAINAGE CULVERTS, MANHOLES, INLET BOXES, INLET AND OUTLET STRUCTURES TOGETHER WITH GRADING.
- CONSTRUCT GUARDRAILS AS SOON AS PRACTICABLE AFTER GRADING TO MINIMIZE HAZARDS.
- PAVE ROADWAY.
- CONSTRUCT AND INSTALL DETAIL AND MISCELLANEOUS ITEMS.



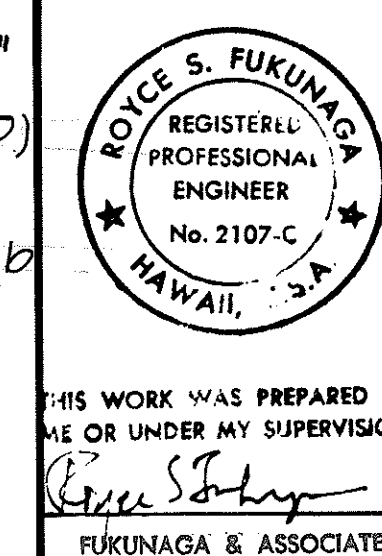
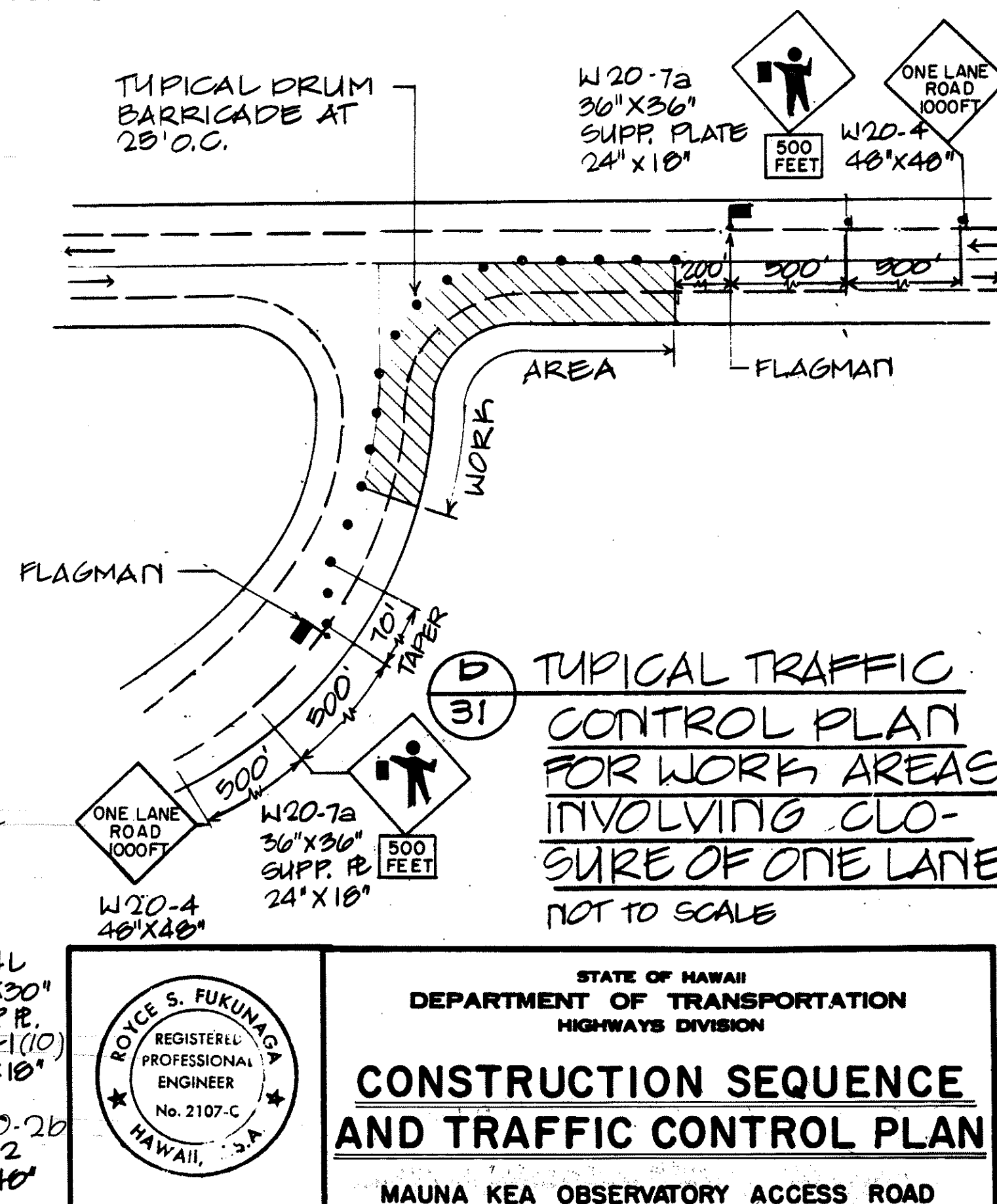
- NOTES:
- CONTINUE SEQUENCE UNTIL FULL ROADWAY PRISM EXCAVATED. PROTECT EXIST. UTILITY LINES.
  - EXCAVATE FOR UPSLOPE RETAINING WALL. CONSTRUCT WALL AND BACKFILL.
  - EXCAVATE FOR AND CONSTRUCT DOWNSLOPE RETAINING WALL.
  - COMPLETE PROJECT AS REQUIRED.

## POSSIBLE GRADING SCHEME FOR MAINTAINING THRU TRAFFIC DURING CONSTRUCTION OF ROADWAY EXCAVATION AND RETAINING WALL



## TYPICAL TRAFFIC CONTROL PLAN FOR WORK AREAS INVOLVING CLOSURE OF ONE LANE

## TYPICAL TRAFFIC CONTROL PLAN FOR DETOUR CONDITION



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLAN**

MAUNA KEA OBSERVATORY ACCESS ROAD  
PHASE I  
PROJECT NO. HWY.-H-01-86

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
*[Signature]*  
FUKUNAGA & ASSOCIATES