SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2–5	GENERAL NOTES
6–8	WATER POLLUTION & EROSION CONTROL NOTES
9	MISCELLANEOUS NOTES
10	WATER POLLUTION & EROSION CONTROL PLAN
11	DEMOLITION PLAN
12	PROPOSED PLAN
13	DETAILS
14–15	TRAFFIC CONTROL

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	1	15

STATE OF HAWAII

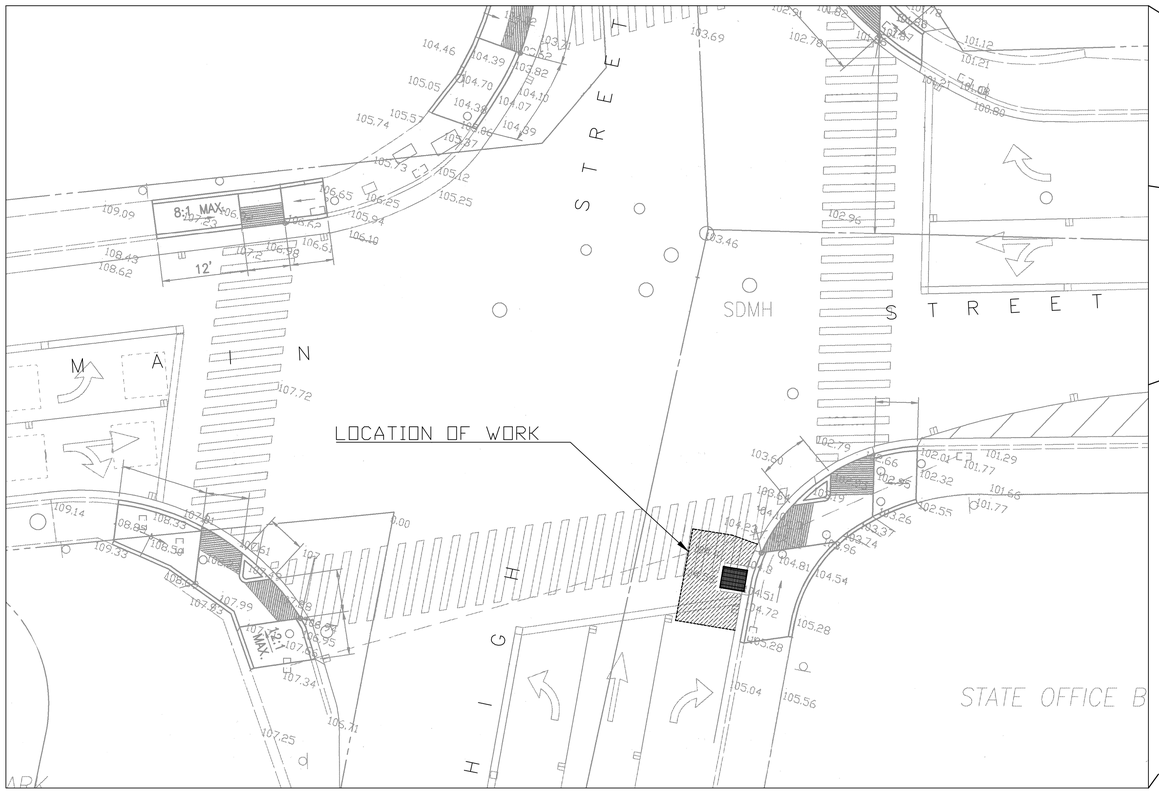
DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION
WAILUKU, MAUI, HAWAII

PLANS FOR

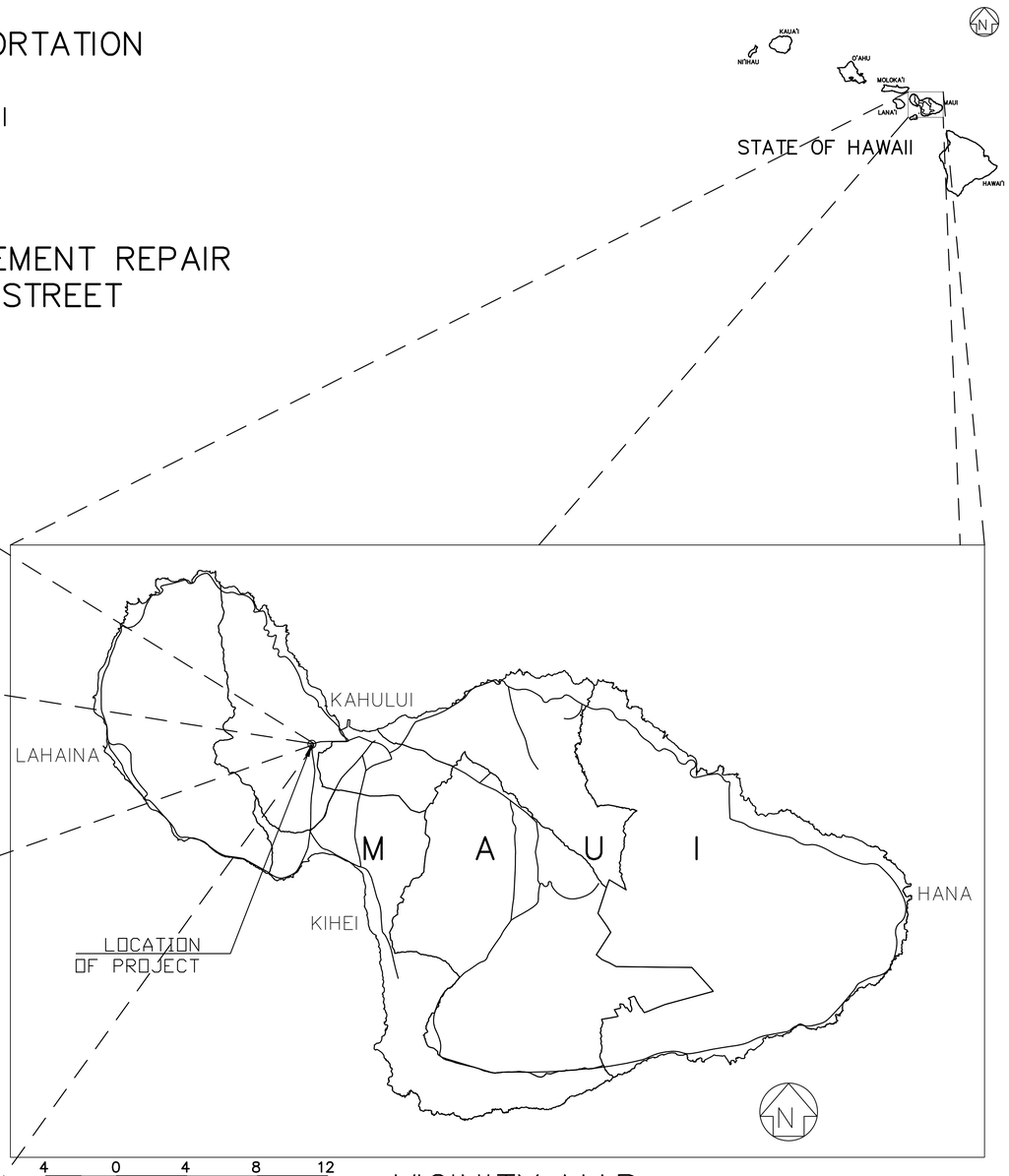
GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET

WAILUKU
ISLAND OF MAUI



10 0 10 20 30
SCALE IN FEET

SITE PLAN



4 0 4 8 12
SCALE IN MILES

VICINITY MAP

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK, DATED
No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	2	15

GENERAL NOTES:

1. SCOPE OF WORK FOR PROJECT INCLUDES RAISING EXISTING GRATED DROP INLET GRATE, REMOVAL OF EXISTING CONCRETE AND ASPHALT, NEW CONCRETE CURB AND GUTTER, AND REPAVEMENT AS SHOWN HEREIN.
2. CONTRACTOR SHALL NOTIFY HAWAII ONE CALL (811 OR 866-423-7287) NO LESS THAN FIVE (5) WORKING DAYS PRIOR TO EXCAVATION, ON EACH OR ALL LOCATIONS, FOR LOCATING UNDERGROUND FACILITIES PURSUANT TO HRS SECTION 269E-7. CONTRACTOR SHALL CONTACT HAWAII ONE CALL TO HAVE RESPECTIVE UTILITY COMPANIES AND AGENCIES MARK WHERE THEIR UNDERGROUND UTILITIES ARE LOCATED. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF HAWAII ONE CALL LAW. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGES, IF HAWAII ONE CALL REQUIREMENTS ARE NOT STRICTLY ADHERED TO. IN ACCORDANCE WITH HAWAII STATE LAW SECTION 269E-7, HAWAII ONE CALL SHALL PROVIDE AN INQUIRY IDENTIFICATION NUMBER FOR EACH LOCATION REQUEST PROVIDED BY CONTRACTOR. THE INQUIRY IDENTIFICATION NUMBER AND UTILITY MARKS SHALL REMAIN VALID FOR NOT MORE THAN TWENTY-EIGHT (28) DAYS FROM THE DATE OF ISSUANCE AND AFTER THAT DATE SHALL REQUIRE THE CONTRACTOR TO SUBMIT A NEW REQUEST FOR HAWAII ONE CALL REVALIDATION. CONTRACTOR SHALL PROVIDE THE INQUIRY IDENTIFICATION NUMBERS FOR EACH LOCATION REQUEST TO THE ENGINEER AND COPY THE ENGINEER IN ANY RELATED CORRESPONDENCE WITH HAWAII ONE CALL AND ANY UTILITIES OR AGENCIES.
3. CONTRACTOR SHALL INDEPENDENTLY TONE AREAS OF EXCAVATION NOT MORE THAN 30 DAYS PRIOR TO EXCAVATION. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE OF SCHEDULED TONING AND SPECIFIC LOCATIONS TO ENGINEER AT LEAST ONE WEEK AHEAD OF EXECUTION. CONTRACTOR SHALL OBTAIN HDOT AS-BUILTS TO LOCATE POTENTIAL CONFLICTS WITH UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL NOTIFY HDOT WITHIN 24 HOURS OF DISCOVERY OF ANY POTENTIAL CONFLICTS.
4. LOCATIONS OF UNDERGROUND UTILITIES, MANHOLES, MONUMENTS AND STRUCTURES SHOWN HEREIN ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN AND ARE NOT GUARANTEED.
5. PURSUANT TO HRS CHAPTER 6E HISTORIC PRESERVATION, IN THE EVENT ANY HISTORIC RESOURCES, INCLUDING CULTURAL DEPOSITS OR HUMAN SKELETAL REMAINS, ARE DISCOVERED DURING CONSTRUCTION, CONTRACTOR SHALL SUSPEND WORK IN THE IMMEDIATE VICINITY OF THE FIND, PROTECT THE FIND FROM ADDITIONAL DISTURBANCE, AND NOTIFY THE MAUI POLICE DEPARTMENT (MPD) AND HDOT.
6. CONTRACTOR SHALL REFERENCE SECTION 645 – WORK ZONE TRAFFIC CONTROL OF THE HAWAII DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND OTHER OBSTRUCTIONS TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC AT THE END OF EACH WORK DAY.
7. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING TWO (2) WEEKS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
8. ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY BRING ANY DISCREPANCIES TO THE ATTENTION OF ENGINEER FOR CLARIFICATION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD-VERIFYING EXACT LOCATIONS AND LIMITS OF AREAS OF WORK, WHICH SHALL BE SUBMITTED TO AND ACCEPTED BY ENGINEER PRIOR TO EXECUTION OF WORK. CONTRACTOR SHALL NOT COMMENCE WORK PRIOR TO ENGINEER VERIFYING AND ACCEPTING THE LOCATIONS AND LIMITS OF WORK. ANY AREAS OR LOCATIONS OF WORK NOT ACCEPTED BY ENGINEER SHALL BE CONSIDERED UNAUTHORIZED WORK AND CONTRACTOR SHALL NOT BE COMPENSATED FOR SAID WORK.
10. ALL EXISTING UTILITIES TO REMAIN IN USE, WHETHER OR NOT SHOWN HEREIN, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR THROUGHOUT DURATION OF CONSTRUCTION UNLESS THEY ARE SPECIFIED ON THE PLANS TO BE ABANDONED. ANY DAMAGES TO EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY CONTRACTOR.
11. EXISTING DRAINAGE SYSTEM SHALL BE FUNCTIONAL THROUGHOUT DURATION OF CONSTRUCTION. CONTRACTOR SHALL FURNISH MATERIALS, EQUIPMENT, LABOR, TOOLS, AND ALL ELSE INCIDENTAL NECESSARY TO MAINTAIN OPERATION. THIS WORK SHALL BE CONSIDERED INCIDENTAL FOR WHICH PAYMENT SHALL BE PROVIDED TO CONTRACTOR.
12. EXISTING FACILITIES, GUARDRAILS, LANDSCAPING AND/OR PAVEMENT TO REMAIN WHICH HAS BEEN DAMAGED BY CONTRACTOR SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.
13. ANY AND ALL REGRADED AREAS AND ALL GRASSED AREAS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE PLANTED IN ACCORDANCE WITH SPECIFICATION SECTION 619 – PLANTING OF THE HAWAII DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2005). CONTRACTOR SHALL BEAR ALL COSTS RELATED TO PLANTING FOR DISTURBED AREAS AS AFOREMENTIONED.
14. WHEN EXCAVATING IN CLOSE PROXIMITY TO WALLS, FENCES AND OTHER IMPROVEMENTS, CONTRACTOR SHALL PROTECT, SUPPORT, SECURE, AND TAKE ALL PRECAUTIONS TO PREVENT DAMAGING THESE FACILITIES AND IMPROVEMENTS.
15. NO MATERIAL OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITH HDOT RIGHT-OF-WAY EXCEPT AT LOCATIONS DESIGNATED IN WRITING AND APPROVED BY THE ENGINEER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH APPLICABLE PROVISIONS OF HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 54, WATER POLLUTION CONTROL. BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED THROUGHOUT THE DURATION OF CONSTRUCTION.
17. ALL MATERIAL GENERATED BY THE PROJECT AND TAKEN OFF-SITE SHALL BE CONSIDERED SOLID WASTE. CONTRACTOR SHALL DISPOSE OF ALL REMOVED MATERIAL AT AN APPROVED DEPARTMENT OF HEALTH WASTE MANAGEMENT FACILITY AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL PROVIDE A COPY OF ALL THE DISPOSAL RECEIPTS FROM THE DISPOSAL FACILITY TO ENGINEER MONTHLY. CONTRACTOR SHALL PROVIDE DOCUMENTATION FROM ANY INTERMEDIARY FACILITY WHERE SOLID WASTE IS HANDLED OR PROCESSED, HAUL TAGS, OR ANY RELATED DOCUMENTATION AS REQUIRED BY THE ENGINEER. IF CONTRACTOR ELECTS TO RECLASSIFY MATERIAL AS INERT FILL, DOH HEER TESTING GUIDANCE MUST BE FOLLOWED. NO MATERIAL GENERATED FROM THIS PROJECT SHALL BE CLASSIFIED AS INERT FILL MATERIAL FOR REUSE WITHOUT TESTING, OBTAINING REQUIRED APPROVALS/PERMITS, PROVIDING DISPOSAL LOCATIONS/QUANTITIES, AND OBTAINING PRIOR WRITTEN APPROVAL FROM ENGINEER. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL RESULT IN FINES AND OR LIQUIDATED DAMAGES IN ACCORDANCE WITH SPECIAL PROVISION SECTION 209 AND HDOT'S ENFORCEMENT RESPONSE PLAN.
18. FOLLOWING COMPLETION OF WORK, CONTRACTOR SHALL RESTORE GRADES AND GROUNDCOVER WITHIN THE PROJECT LIMITS TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
19. PROJECT ACTIVITIES SHALL COMPLY WITH CHAPTER 11-46, COMMUNITY NOISE CONTROL OF THE DEPARTMENT OF HEALTH ADMINISTRATIVE RULES.
20. ALL WORK SPECIFIED IN THE CONTRACT BUT NOT LISTED SEPARATELY IN THE PROPOSAL SCHEDULE SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.
21. THE CONTRACTOR SHALL INDEMNIFY AND BE SOLELY RESPONSIBLE FOR THE PROTECTION OF ADJACENT PROPERTIES, UTILITIES, AND EXISTING STRUCTURES FROM DAMAGES DUE TO CONSTRUCTION. REPAIRING ANY DAMAGE SHALL BE AT CONTRACTOR'S OWN EXPENSE, TO THE SATISFACTION OF THE ENGINEER.
22. VENDORS SHALL NOT BE CONSIDERED SUBCONTRACTORS. NO WORK SHALL BE PERFORMED BY VENDORS UNDER THIS CONTRACT.
23. CONTRACTOR SHALL OBTAIN A PERMIT TO PERFORM WORK UPON STATE HIGHWAY FROM THE HDOT HIGHWAYS DIVISION MAUI DISTRICT OFFICE PRIOR TO COMMENCING WORK WITHIN THE STATE RIGHT-OF-WAY. THE PERMIT MAY BE REVOKED DUE TO DEFAULTING ON CONTRACT REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
    - 23.1. PERFORMING WORK BEFORE OR AFTER PERMITTED HOURS;
    - 23.2. FAILURE TO MAINTAIN THE ROADWAY IN A SMOOTH AND SAFE CONDITION;
    - 23.3. FAILURE TO CLEAN UP CONSTRUCTION DEBRIS GENERATED FROM PROJECT WORK;
    - 23.4. FAILURE TO PROVIDE OR MAINTAIN PROPER TRAFFIC CONTROL;
    - 23.5. FAILURE TO REPLACE DAMAGED PAVEMENT MARKINGS AND SIGNS;
    - 23.6. FAILURE TO REPLACE HIGHWAY LIGHTING AND/OR TRAFFIC SIGNAL SYSTEMS; AND
    - 23.7. FAILURE TO ADDRESS PUBLIC COMPLAINTS TO THE SATISFACTION OF ENGINEER.

    ANY REVOCATION OF THE PERMIT SHALL BE AT CONTRACTOR'S EXPENSE AND NO ADDITIONAL PAYMENT FROM THE STATE OR ADDITIONAL CONTRACT TIME SHALL BE PROVIDED.
24. CONTRACTOR SHALL COORDINATE WITH OTHER PROJECTS IN THE VICINITY OF THE PROJECT AREA, IF APPLICABLE.
25. ALL PUBLIC NOTICES AND ADVERTISEMENTS SHALL BE CONSIDERED INCIDENTAL TO LUMP SUM TRAFFIC CONTROL ITEM AND SHALL NOT BE PAID FOR SEPARATELY UNLESS OTHERWISE DIRECTED BY ENGINEER AND APPROVED BY OWNER.
26. CONTRACTOR SHALL ALLOW ACCESS TO ALL MATERIALS THAT WILL BE USED IN THE PROJECT FOR INSPECTION AND/OR TESTING INCLUDING BUT NOT LIMITED TO ACCESS TO CONTRACTOR OR SUBCONTRACTOR'S BASE YARDS, MANUFACTURER YARD, PRODUCTION PLANT, STORAGE AREAS, ETC. ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIAL FOR WHICH ACCESS OR INSPECTION IS NOT ALLOWED.
27. UNAUTHORIZED OCCUPANCY OF A LANE OR SHOULDER BEYOND THE TIME PERIODS AUTHORIZED IN THE CONTRACT OR BY THE ENGINEER MAY BE SUBJECT TO RENTAL FEES IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 108.09.
28. WHERE APPLICABLE AND FEASIBLE, MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
29. NON-COMPLIANCE TO ANY OF THE REQUIREMENTS PROVIDED HEREIN SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, AND REMEDIAL WORK SHALL COMMENCE IMMEDIATELY. ALL COSTS INCURRED SHALL BE BILLED TO THE VIOLATOR. FURTHERMORE, VIOLATORS MAY BE SUBJECTED TO ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES.

ORIGINAL SURVEY PLOTTED BY DATE
PLAN
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
NOTE BOOK
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G-01 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	3	15

GENERAL NOTES:

30. CONTRACTOR SHALL OBTAIN A PERMIT TO PERFORM WORK UPON STATE HIGHWAYS FROM THE MAUI DISTRICT ENGINEER, STATE HIGHWAYS, AT 650 PALAPALA DRIVE, PRIOR TO COMMENCEMENT OF WORK WITHIN THE STATE'S HIGHWAY RIGHT-OF-WAY.
31. CONSTRUCTION AND RESTORATION OF ALL EXISTING HIGHWAY FACILITIES WITHIN THE STATE'S RIGHT-OF-WAY, INCLUDING THE LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, SHALL BE IN ACCORDANCE WITH THE CURRENT HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SPECIFICATIONS FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS, OF THE STATE HIGHWAYS DIVISION.
32. WORK MAY NOT BE PERFORMED BETWEEN THE PEAK HOURS OF 6:30 A.M. TO 8:30 A.M. AND FROM 3:00 P.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY, EXCEPT STATE HOLIDAYS, UNLESS WHEN OTHERWISE APPROVED IN WRITING BY THE DISTRICT ENGINEER. THE TRAFFIC IS TOO HEAVY, THE CONTRACTOR SHALL WORK AT NIGHT, FROM 9:00 P.M. TO 5:00 A.M. DURING WORK HOURS, ONLY ONE LANE OF TRAFFIC SHALL BE CLOSED, UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT ENGINEER. ALL LANE CLOSURES MUST BE APPROVED BY HDOT FIFTEEN (15) WORKING DAYS IN ADVANCE. ALL LANE CLOSURES AND DETOURS SHALL REQUIRE ADVISORY SIGNS AND AN ADVERTISEMENT PER SECTION 645.03 OF THE STANDARD SPECIFICATIONS. AT CERTAIN LOCATIONS, "NO LANE CLOSURE" WILL BE ALLOWED DURING THE "BACK TO SCHOOL JAM", THANKSGIVING WEEKEND, CHRISTMAS/NEW YEAR PERIOD AND AT OTHER TIMES AS DIRECTED BY THE HIGHWAYS DIVISION.
33. CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES, AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE, AND SAFETY OF PUBLIC TRAFFIC. ALL SUCH PROTECTIVE FACILITIES AND PRECAUTIONS TO BE TAKEN SHALL CONFORM WITH THE "ADMINISTRATIVE RULES OF HAWAII GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS", ADOPTED BY THE DIRECTOR OF TRANSPORTATION, AND THE "U.S. FEDERAL HIGHWAY ADMINISTRATION MUTCD – MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI – TEMPORARY TRAFFIC CONTROL, 2009 EDITION".
34. THE MINIMUM PAVEMENT STRUCTURE SHALL CONSIST OF:
    A. RESIDENTIAL DRIVEWAYS, ON MINOR HIGHWAYS:
        (1) 2 ½" HOT MIX ASPHALT (HMA) PAVEMENT (MIX IV), 8" AGGREGATE BASE COURSE OR 2 ½" HMA PAVEMENT AND 8" HMA BASE COURSE OR HMA PAVEMENT.
        (2) 4" OF CLASS "A" CONCRETE REINFORCED WITH 6"X 6" – W2.9 X W2.9 WIRE MESH ON 12" AGGREGATE SUBBASE, IF DEEMED NECESSARY BY THE ENGINEER.
    B. COMMERCIAL DRIVEWAYS AND SIDE ROADS ON MINOR HIGHWAYS
        (1) 4" HMA PAVEMENT (MIX IV), 8" AGGREGATE BASE COURSE AND 12" SUBBASE, OR 4" HMA PAVEMENT (MIX IV) AND 8" HMA BASE COURSE OR HMA PAVEMENT.
        (2) 6" OF CLASS "A" CONCRETE REINFORCED WITH 6"X 6" – W2.9 X W2.9 WIRE MESH ON 12" AGGREGATE SUBBASE, IF DEEMED NECESSARY BY THE ENGINEER.
    C. CHANNELIZED INTERSECTIONS ON MAJOR HIGHWAYS:
        4" HMA PAVEMENT (MIX IV), 8" HMA PAVEMENT BASE COURSE AND 12" AGGREGATE SUBBASE, OR 4" ASPHALT CONCRETE (MIX IV) AND 12" ASPHALT CONCRETE BASE COURSE OR ASPHALT CONCRETE, OR MATCH EXISTING PAVEMENT STRUCTURE, WHICHEVER IS GREATER.
35. NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN THE HIGHWAY RIGHT-OF-WAY, EXCEPT AT LOCATIONS DESIGNATED IN WRITING AND APPROVED BY THE DISTRICT ENGINEER.
36. COMPACTION TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE SPECIFICATIONS FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS, AS FOLLOWS:
    A. SUBBASE: ONE (1) COMPACTION TEST PER LIFT PER 200 LINEAL FEET OF ROADWAY.
    B. BASE COURSE: ONE (1) COMPACTION TEST PER LIFT PER 200 LINEAL FEET OF ROADWAY.
    C. ONE (1) COMPACTION TEST PER LIFT PER 300 LINEAL FEET OF TRENCH.
    D. A COPY OF THE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT ENGINEER.
37. CONTRACTOR SHALL TAKE A PROFILE ALONG THE CENTERLINE OF THE PROPOSED UTILITY TRENCH BOTH BEFORE COMMENCING TRENCH EXCAVATION WORK AND AFTER TRENCH HAS BEEN REPAVED. PROFILES SHALL BE SUBMITTED TO THE DISTRICT ENGINEER AND SHALL USED TO VERIFY THE ROADWAY SURFACE HAS BEEN RESTORED TO ITS ORIGINAL CONDITION OR SMOOTHER.
38. CONTRACTOR SHALL PROVIDE AN ADEQUATE AND SAFE NON-SKID BRIDGING MATERIAL, INCLUDING SHORING, OVER TRENCHES IN PAVEMENT AREAS. THE BRIDGING SHALL BE ABLE TO SUPPORT ALL TYPES OF VEHICULAR TRAFFIC. BRIDGING MATERIALS SHALL NOT BE USED ON HIGH SPEED ROADWAYS, WHICH ARE ROADS WITH A DESIGN SPEED OF 50 MPH OR HIGHER. SMOOTH RIDING CONNECTION BETWEEN ROADWAY SURFACES AND BRIDGING MATERIAL SHALL BE PROVIDED. SHOULD COMPLAINTS BE RECEIVED DUE TO NOISE GENERATED FROM THIS WORK, THE CONTRACTOR SHALL IMMEDIATELY ADDRESS THOSE COMPLAINTS.
39. CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE THE USE AND THE DURATION OF USE OF STEEL PLATES. THE STATE MAY REQUIRE THE BACKFILLING AND PATCHES OF TRENCHES DUE TO THE EXCESSIVE USAGE OF STEEL PLATES.
40. UNLESS OTHERWISE NOTED, NO TRENCH SHALL BE OPENED MORE THAN 300 FEET IN ADVANCE OF INSTALLED AND TESTED PIPELINE AND/OR DUCT LINE.
41. EXISTING DRAINAGE SYSTEMS SHALL BE FUNCTIONAL AT ALL TIMES.
42. CONTRACTOR SHALL EXERCISE CARE TO MINIMIZE DAMAGES TO EXISTING HIGHWAY IMPROVEMENTS. ALL DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR, AT HIS EXPENSE, TO THE SATISFACTION OF THE DISTRICT ENGINEER.
43. APPROVAL OF PERMIT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF NOTIFICATION OF APPROVAL TO THE APPLICANT. IN THE EVENT CONSTRUCTION DOES NOT COMMENCE WITHIN THIS ONE-YEAR PERIOD, THE APPLICANT WILL BE REQUIRED TO RESUBMIT THE CONSTRUCTION PLANS FOR THE DIVISION'S REVIEW AND RE-APPROVAL.
44. ALL REGULATORY, GUIDE, AND CONSTRUCTION SIGNS AND BARRICADES SHALL HAVE A HIGH-INTENSITY TYPE III OR IV RETROREFLECTIVE BACKGROUND.
45. CONTRACTOR SHALL INFORM THE STATE HIGHWAY'S PERMIT OFFICE (873-3535) BY NOON WEDNESDAY THE WEEK AHEAD PRIOR TO CLOSING ANY LANES.
46. DRIVEWAYS SHALL BE KEPT OPEN UNLESS THE OWNERS OF THE PROPERTIES USING THESE RIGHTS-OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY.
47. WHERE PEDESTRIAN WALKWAYS EXIST THEY SHALL BE MAINTAINED IN A SAFE AND PASSABLE CONDITION, OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. PASSAGES BETWEEN WALKWAYS AT INTERSECTIONS SHALL LIKEWISE BE PROVIDED. ALL WALKWAYS SHALL CONFORM TO ADA REQUIREMENTS.
48. CONTRACTOR SHALL REFERENCE, TO THE SATISFACTION OF THE DISTRICT ENGINEER, ALL EXISTING TRAFFIC SIGNS, POSTS, AND PAVEMENT MARKINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNS, POSTS, AND PAVEMENT MARKINGS DISTURBED BY HIS ACTIVITIES, AT HIS EXPENSE, UNLESS DIRECTED BY THE DISTRICT ENGINEER OR HIS REPRESENTATIVE.
49. CONTRACTOR SHALL EXERCISE CARE WHEN PERFORMING WORK IN OR ADJACENT TO THE STATE HIGHWAY RIGHT-OF-WAY. DAMAGES TO THE EXISTING FACILITIES SHALL BE IMMEDIATELY REPORTED TO THE RESPECTIVE UTILITY COMPANIES, AND/OR CITY OR STATE AGENCIES. THE REPAIR WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
50. HIGHWAY LIGHTS SHALL BE OPERATIONAL DURING CONSTRUCTION. SHOULD WORK BE NECESSARY, THE CONTRACTOR SHALL NOTIFY THE STATE HIGHWAYS' HIGHWAY LIGHTING SUPERVISOR (873-3535), THREE (3) WORKING DAYS PRIOR TO COMMENCING WORK.
51. TRAFFIC SIGNALS SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION. TEMPORARY OPERATIONAL MICROWAVE OR OTHER APPROVED DETECTION DEVICES SHALL BE INSTALLED THREE (3) WORKING DAYS PRIOR TO ANY SIGNALIZED INTERSECTION EXCAVATION WORK. ALL WORK SHALL BE DONE IN ACCORDANCE TO THE REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, MAUI DISTRICT, AND PAID FOR BY THE CONTRACTOR.
52. THE PERMIT TO PERFORM WORK UPON STATE HIGHWAY MAY BE REVOKED BECAUSE OF DEFAULT IN ANY OF THE FOLLOWING, BUT NOT LIMITED TO, CONDITIONS:
    52.1. WORK PERFORMED BEFORE OF AFTER PERMITTED HOURS.
    52.2. FAILURE TO MAINTAIN ROADWAY SURFACES IN A SMOOTH AND SAFE CONDITION.
    52.3. FAILURE TO CLEAN UP CONSTRUCTION DEBRIS GENERATED FROM PROJECT WORK.
    52.4. FAILURE TO PROVIDE PROPER TRAFFIC CONTROL.
    52.5. FAILURE TO REPLACE DAMAGED PAVEMENT MARKINGS AND SIGNS.
    52.6. FAILURE TO MAINTAIN HIGHWAY LIGHTS AND TRAFFIC SIGNALS SYSTEMS.
    52.7. FAILURE TO ADDRESS PUBLIC COMPLAINTS TO THE SATISFACTION OF THE DISTRICT ENGINEER.
53. THE CONTRACTOR SHALL NOTIFY THE STATE HIGHWAYS PERMIT OFFICE (873-3535) AT LEAST TWO WORKING DAYS PRIOR TO PERFORMING ANY TRENCH RESTORATION WORK. THIS WORK SHALL INCLUDE ANY BACKFILLING AND COMPACTING OF TRENCH MATERIAL; ANY PLACING AND COMPACTING OF BASE COURSE MATERIAL; AND ANY PAVING OPERATIONS. ANY TRENCH RESTORATION WORK PERFORMED BY THE CONTRACTOR THAT IS NOT WITNESSED BY A STATE REPRESENTATIVE WILL BE REQUIRED TO BE REMOVED AND RESTORED WITH A STATE REPRESENTATIVE PRESENT. ALL RESTORATION WORK WILL BE AT THE CONTRACTOR'S EXPENSE.

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G-02 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	4	15

GENERAL NOTES:

54. TEMPORARY COLD MIX TRENCH PATCHES WILL BE PERMITTED IN ANY GIVEN AREA FOR A MAXIMUM DURATION OF TWO WEEKS, AND SHALL BE A MINIMUM OF 2 INCHES THICK. ALL TEMPORARY PATCHES SHALL BE PLACED OVER PROPERLY PLACED AND COMPACTED BACKFILL AND BASE COURSE LAYERS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY PATCHES AND TO MAKE REPAIRS TO UNSATISFACTORY PATCHES WITHIN 24 HOURS.
55. THE CONTRACTOR WILL MAKE EVERY EFFORT TO MINIMIZE THE USE AND THE DURATION OF USE OF STEEL PLATES. THE STATE MAY REQUIRE THE BACKFILLING AND PATCHES OF TRENCHES DUE TO THE EXCESSIVE USAGE OF STEEL PLATES.
56. PROVIDE PLASTIC MARKING TAPE THAT IS ACID AND ALKALI RESISTANT POLYETHYLENE FILM 6 INCHES WIDE WITH MINIMUM THICKNESS OF 0.004 INCH AND MINIMUM STRENGTH OF 1750 PSI LENGTHWISE AND 1500 PSI CROSSWISE. MANUFACTURE TAPE WITH INTEGRAL WIRES, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY METAL DETECTOR WHEN THE TAPE IS BURIED UP TO 3 FEET DEEP. MANUFACTURE TAPE SPECIFICALLY FOR MARKING AND LOCATING UNDERGROUND UTILITIES. PROVIDE THE METALLIC CORE OF THE TAPE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. CONFIRM TO THE FOLLOWING TAPE COLOR AND BEAR A CONTINUOUS PRINTED INSCRIPTION DESCRIBING THE SPECIFIC UTILITY.
    - RED: ELECTRIC
    - YELLOW: GAS, OIL, DANGEROUS MATERIALS
    - ORANGE: TELEPHONE, TELEGRAPH, TELEVISION, POLICE, AND FIRE, COMMUNICATIONS
    - BLUE: WATER SYSTEMS
    - GREEN: SEWER SYSTEM
57. THE CONTRACTOR SHALL PROVIDE THE DISTRICT ENGINEER WITH AS-BUILT PLANS UPON COMPLETION OF THE WORK DONE IN THE STATE RIGHT-OF-WAY. THIS SHALL BE DONE PRIOR TO THE DEPARTMENT'S RELEASE OF THE PERFORMANCE BOND.

STANDARD PLANS:

THE FOLLOWING STANDARD PLANS APPLY:

1. D-05, TYPICAL DETAILS OF CURBS AND/OR GUTTERS (05/31/07)

NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY:

1. THE CONTRACTOR SHALL OBTAIN A PERMIT TO PERFORM WORK UPON STATE HIGHWAYS FROM THE MAUI DISTRICT ENGINEER, STATE HIGHWAYS, AT 650 PALAPALA DRIVE, PRIOR TO COMMENCEMENT OF WORK WITHIN THE STATE'S HIGHWAY RIGHT-OF-WAY.

2. CONSTRUCTION AND RESTORATION OF ALL EXISTING HIGHWAY FACILITIES WITHIN THE STATE'S RIGHT-OF-WAY, INCLUDING THE LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, SHALL BE IN ACCORDANCE WITH THE CURRENT HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SPECIFICATIONS FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS, OF THE STATE HIGHWAYS DIVISION.

3. WORK MAY NOT BE PERFORMED BETWEEN THE PEAK HOURS OF 6:30 A.M. TO 8:30 A.M. AND FROM 3:00 P.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY, EXCEPT STATE HOLIDAYS, UNLESS WHEN OTHERWISE APPROVED IN WRITING BY THE DISTRICT ENGINEER. THE TRAFFIC IS TOO HEAVY, THE CONTRACTOR SHALL WORK AT NIGHT, FROM 9:00 P.M. TO 5:00 A.M.

   DURING WORK HOURS, ONLY ONE LANE OF TRAFFIC SHALL BE CLOSED, UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT ENGINEER. ALL LANE CLOSURES MUST BE APPROVED BY HDOT FIFTEEN (15) WORKING DAYS IN ADVANCE. ALL LANE CLOSURES AND DETOURS SHALL REQUIRE ADVISORY SIGNS AND AN ADVERTISEMENT PER SECTION 645.03 OF THE STANDARD SPECIFICATIONS.

   AT CERTAIN LOCATIONS, "NO LANE CLOSURE" WILL BE ALLOWED DURING THE "BACK TO SCHOOL JAM", THANKSGIVING WEEKEND, CHRISTMAS / NEW YEAR PERIOD AND AT OTHER TIMES AS DIRECTED BY THE HIGHWAYS DIVISION.

4. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES, AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE, AND SAFETY OF PUBLIC TRAFFIC. ALL SUCH PROTECTIVE FACILITIES AND PRECAUTIONS TO BE TAKEN SHALL CONFORM WITH THE "ADMINISTRATIVE RULES OF HAWAII GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS", ADOPTED BY THE DIRECTOR OF TRANSPORTATION, AND THE "U.S. FEDERAL HIGHWAY ADMINISTRATION MUTCD – MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI – TEMPORARY TRAFFIC CONTROL, 2009 EDITION".
5. THE MINIMUM PAVEMENT STRUCTURE SHALL CONSIST OF:

   A. RESIDENTIAL DRIVEWAYS, ON MINOR HIGHWAYS:

   (1) 2 ½" HOT MIX ASPHALT (HMA) PAVEMENT (MIX IV), 8" AGGREGATE BASE COURSE OR 2 ½" HMA PAVEMENT AND 8" HMA BASE COURSE OR HMA PAVEMENT.

   (2) 4" OF CLASS "A" CONCRETE REINFORCED WITH 6"X 6" – W2.9 X W2.9 WIRE MESH ON 12" AGGREGATE SUBBASE, IF DEEMED NECESSARY BY THE ENGINEER.

   B. COMMERCIAL DRIVEWAYS AND SIDE ROADS ON MINOR HIGHWAYS

   (1) 4" HMA PAVEMENT (MIX IV), 8" AGGREGATE BASE COURSE AND 12" SUBBASE, OR 4" HMA PAVEMENT (MIX IV) AND 8" HMA BASE COURSE OR HMA PAVEMENT.

   (2) 6" OF CLASS "A" CONCRETE REINFORCED WITH 6"X 6" – W2.9 X W2.9 WIRE MESH ON 12" AGGREGATE SUBBASE, IF DEEMED NECESSARY BY THE ENGINEER.

   C. CHANNELIZED INTERSECTIONS ON MAJOR HIGHWAYS:

   4" HMA PAVEMENT (MIX IV), 8" HMA PAVEMENT BASE COURSE AND 12" AGGREGATE SUBBASE, OR 4" ASPHALT CONCRETE (MIX IV) AND 12" ASPHALT CONCRETE BASE COURSE OR ASPHALT CONCRETE, OR MATCH EXISTING PAVEMENT STRUCTURE, WHICHEVER IS GREATER.

6. NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN THE HIGHWAY RIGHT-OF-WAY, EXCEPT AT LOCATIONS DESIGNATED IN WRITING AND APPROVED BY THE DISTRICT ENGINEER.
7. COMPACTION TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE SPECIFICATIONS FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS, AS FOLLOWS:

   A. SUBBASE: ONE (1) COMPACTION TEST PER LIFT PER 200 LINEAL FEET OF ROADWAY.
   B. BASE COURSE: ONE (1) COMPACTION TEST PER LIFT PER 200 LINEAL FEET OF ROADWAY.
   C. ONE (1) COMPACTION TEST PER LIFT PER 300 LINEAL FEET OF TRENCH.
   D. A COPY OF THE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT ENGINEER.

8. THE CONTRACTOR SHALL TAKE A PROFILE ALONG THE CENTERLINE OF THE PROPOSED UTILITY TRENCH BOTH BEFORE COMMENCING TRENCH EXCAVATION WORK AND AFTER TRENCH HAS BEEN REPAVED. PROFILES SHALL BE SUBMITTED TO THE DISTRICT ENGINEER AND SHALL USED TO VERIFY THE ROADWAY SURFACE HAS BEEN RESTORED TO ITS ORIGINAL CONDITION OR SMOOTHER.
9. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE AND SAFE NON-SKID BRIDGING MATERIAL, INCLUDING SHORING, OVER TRENCHES IN PAVEMENT AREAS. THE BRIDGING SHALL BE ABLE TO SUPPORT ALL TYPES OF VEHICULAR TRAFFIC. BRIDGING MATERIALS SHALL NOT BE USED ON HIGH SPEED ROADWAYS, WHICH ARE ROADS WITH A DESIGN SPEED OF 50 MPH OR HIGHER. SMOOTH RIDING CONNECTION BETWEEN ROADWAY SURFACES AND BRIDGING MATERIAL SHALL BE PROVIDED. SHOULD COMPLAINTS BE RECEIVED DUE TO NOISE GENERATED FROM THIS WORK, THE CONTRACTOR SHALL IMMEDIATELY ADDRESS THOSE COMPLAINTS.
10. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE THE USE AND THE DURATION OF USE OF STEEL PLATES. THE STATE MAY REQUIRE THE BACKFILLING AND PATCHES OF TRENCHES DUE TO THE EXCESSIVE USAGE OF STEEL PLATES.

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | No. | NOTE BOOK

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G-03 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	5	15

NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY (CONTINUED):

11. UNLESS OTHERWISE NOTED, NO TRENCH SHALL BE OPENED MORE THAN 300 FEET IN ADVANCE OF INSTALLED AND TESTED PIPELINE AND/OR DUCT LINE.

12. EXISTING DRAINAGE SYSTEMS SHALL BE FUNCTIONAL AT ALL TIMES.

13. THE CONTRACTOR SHALL EXERCISE CARE TO MINIMIZE DAMAGES TO EXISTING HIGHWAY IMPROVEMENTS. ALL DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR, AT HIS EXPENSE, TO THE SATISFACTION OF THE DISTRICT ENGINEER.

14. APPROVAL OF PERMIT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF NOTIFICATION OF APPROVAL TO THE APPLICANT. IN THE EVENT CONSTRUCTION DOES NOT COMMENCE WITHIN THIS ONE-YEAR PERIOD, THE APPLICANT WILL BE REQUIRED TO RESUBMIT THE CONSTRUCTION PLANS FOR THE DIVISION'S REVIEW AND RE-APPROVAL.

15. ALL REGULATORY, GUIDE, AND CONSTRUCTION SIGNS AND BARRICADES SHALL HAVE A HIGH-INTENSITY TYPE III OR IV RETROREFLECTIVE BACKGROUND.

16. THE CONTRACTOR SHALL INFORM THE STATE HIGHWAY'S PERMIT OFFICE (873-3535) BY NOON WEDNESDAY THE WEEK AHEAD PRIOR TO CLOSING ANY LANES.

17. DRIVEWAYS SHALL BE KEPT OPEN UNLESS THE OWNERS OF THE PROPERTIES USING THESE RIGHTS-OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY.

18. WHERE PEDESTRIAN WALKWAYS EXIST THEY SHALL BE MAINTAINED IN A SAFE AND PASSABLE CONDITION, OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. PASSAGES BETWEEN WALKWAYS AT INTERSECTIONS SHALL LIKEWISE BE PROVIDED. ALL WALKWAYS SHALL CONFORM TO ADA REQUIREMENTS.

19. THE CONTRACTOR SHALL REFERENCE, TO THE SATISFACTION OF THE DISTRICT ENGINEER, ALL EXISTING TRAFFIC SIGNS, POSTS, AND PAVEMENT MARKINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNS, POSTS, AND PAVEMENT MARKINGS DISTURBED BY HIS ACTIVITIES, AT HIS EXPENSE, UNLESS DIRECTED BY THE DISTRICT ENGINEER OR HIS REPRESENTATIVE.

20. THE CONTRACTOR SHALL EXERCISE CARE WHEN PERFORMING WORK IN OR ADJACENT TO THE STATE HIGHWAY RIGHT-OF-WAY. DAMAGES TO THE EXISTING FACILITIES SHALL BE IMMEDIATELY REPORTED TO THE RESPECTIVE UTILITY COMPANIES, AND/OR CITY OR STATE AGENCIES. THE REPAIR WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

21. HIGHWAY LIGHTS SHALL BE OPERATIONAL DURING CONSTRUCTION. SHOULD WORK BE NECESSARY, THE CONTRACTOR SHALL NOTIFY THE STATE HIGHWAYS' HIGHWAY LIGHTING SUPERVISOR (873-3535), THREE (3) WORKING DAYS PRIOR TO COMMENCING WORK.

22. TRAFFIC SIGNALS SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION. TEMPORARY OPERATIONAL MICROWAVE OR OTHER APPROVED DETECTION DEVICES SHALL BE INSTALLED THREE (3) WORKING DAYS PRIOR TO ANY SIGNALIZED INTERSECTION EXCAVATION WORK. ALL WORK SHALL BE DONE IN ACCORDANCE TO THE REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, MAUI DISTRICT, AND PAID FOR BY THE CONTRACTOR.

23. THE PERMIT TO PERFORM WORK UPON STATE HIGHWAY MAY BE REVOKED BECAUSE OF DEFAULT IN ANY OF THE FOLLOWING, BUT NOT LIMITED TO, CONDITIONS:

    A. WORK PERFORMED BEFORE OF AFTER PERMITTED HOURS.

    B. FAILURE TO MAINTAIN ROADWAY SURFACES IN A SMOOTH AND SAFE CONDITION.

    C. FAILURE TO CLEAN UP CONSTRUCTION DEBRIS GENERATED FROM PROJECT WORK.

    D. FAILURE TO PROVIDE PROPER TRAFFIC CONTROL.

    E. FAILURE TO REPLACE DAMAGED PAVEMENT MARKINGS AND SIGNS.

    F. FAILURE TO MAINTAIN HIGHWAY LIGHTS AND TRAFFIC SIGNALS SYSTEMS.

    G. FAILURE TO ADDRESS PUBLIC COMPLAINTS TO THE SATISFACTION OF THE DISTRICT ENGINEER.

24. THE CONTRACTOR SHALL NOTIFY THE STATE HIGHWAYS PERMIT OFFICE (873-3535) AT LEAST TWO WORKING DAYS PRIOR TO PERFORMING ANY TRENCH RESTORATION WORK. THIS WORK SHALL INCLUDE ANY BACKFILLING AND COMPACTING OF TRENCH MATERIAL; ANY PLACING AND COMPACTING OF BASE COURSE MATERIAL; AND ANY PAVING OPERATIONS. ANY TRENCH RESTORATION WORK PERFORMED BY THE CONTRACTOR THAT IS NOT WITNESSED BY A STATE REPRESENTATIVE WILL BE REQUIRED TO BE REMOVED AND RESTORED WITH A STATE REPRESENTATIVE PRESENT. ALL RESTORATION WORK WILL BE AT THE CONTRACTOR'S EXPENSE.

25. TEMPORARY COLD MIX TRENCH PATCHES WILL BE PERMITTED IN ANY GIVEN AREA FOR A MAXIMUM DURATION OF TWO WEEKS, AND SHALL BE A MINIMUM OF 2 INCHES THICK. ALL TEMPORARY PATCHES SHALL BE PLACED OVER PROPERLY PLACED AND COMPACTED BACKFILL AND BASE COURSE LAYERS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY PATCHES AND TO MAKE REPAIRS TO UNSATISFACTORY PATCHES WITHIN 24 HOURS.

26. THE CONTRACTOR WILL MAKE EVERY EFFORT TO MINIMIZE THE USE AND THE DURATION OF USE OF STEEL PLATES. THE STATE MAY REQUIRE THE BACKFILLING AND PATCHES OF TRENCHES DUE TO THE EXCESSIVE USAGE OF STEEL PLATES.

27. PLASTIC MARKING TAPE. PROVIDE PLASTIC MARKING TAPE THAT IS ACID AND ALKALI RESISTANT POLYETHYLENE FILM 6 INCHES WIDE WITH MINIMUM THICKNESS OF 0.004 INCH. PROVIDE TAPE WITH MINIMUM STRENGTH OF 1750 PSI LENGTHWISE AND 1500 PSI CROSSWISE. MANUFACTURE TAPE WITH INTEGRAL WIRES, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY METAL DETECTOR WHEN THE TAPE IS BURIED UP TO 3 FEET DEEP. MANUFACTURE TAPE SPECIFICALLY FOR MARKING AND LOCATING UNDERGROUND UTILITIES. PROVIDE THE METALLIC CORE OF THE TAPE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. CONFIRM TO THE FOLLOWING TAPE COLOR AND BEAR A CONTINUOUS PRINTED INSCRIPTION DESCRIBING THE SPECIFIC UTILITY.
    RED: ELECTRIC
    YELLOW: GAS, OIL, DANGEROUS MATERIALS
    ORANGE: TELEPHONE, TELEGRAPH, TELEVISION, POLICE, AND FIRE, COMMUNICATIONS
    BLUE; WATER SYSTEMS
    GREEN: SEWER SYSTEM

28. 28. THE CONTRACTOR SHALL PROVIDE THE DISTRICT ENGINEER WITH AS-BUILT PLANS UPON COMPLETION OF THE WORK DONE IN THE STATE RIGHT-OF-WAY. THIS SHALL BE DONE PRIOR TO THE DEPARTMENT'S RELEASE OF THE PERFORMANCE BOND.

ORIGINAL PLAN — SURVEY PLOTTED BY — DRAWN BY — TRACED BY — DESIGNED BY — QUANTITIES BY — CHECKED BY — DATE
NOTE BOOK — No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G-04 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	6	15

WATER POLLUTION AND EROSION CONTROL NOTES:

1. GENERAL:

1.1. REFER TO SPECIAL PROVISION SECTION 209 – WATER POLLUTION AN EROSION CONTROL. SECTION 209 DESCRIBES BUT IS NOT LIMITED TO SUBMITTAL REQUIREMENTS, SCHEDULING OF A WATER POLLUTION AND EROSION CONTROL CONFERENCE WITH ENGINEER, CONSTRUCTION REQUIREMENTS, METHOD OF MEASUREMENTS, AND BASIS OF PAYMENT. IN ADDITION, APPENDIX A LISTS POTENTIAL POLLUTANT SOURCES AND BEST MANAGEMENT PRACTICES (BMPS) USED TO MITIGATE POLLUTANTS.

1.2. CONTRACTOR SHALL ADHERE TO GUIDELINES IN THE CURRENT HDOT CONSTRUCTION BEST MANAGEMENT PRACTICES FIELD MANUAL IN DEVELOPING, INSTALLING AND MAINTAINING THE BMPS FOR THE PROJECT. FOR ANY CONFLICTING REQUIREMENTS BETWEEN THE MANUAL AND APPLICABLE BID DOCUMENTS, STRICTER REQUIREMENTS SHALL GOVERN UNLESS OTHERWISE DIRECTED BY ENGINEER. SHOULD A REQUIREMENT NOT BE CLEARLY DESCRIBED WITHIN THE APPLICABLE BID DOCUMENT, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR INTERPRETATION. FOR THE PURPOSE OF CLARIFICATION, CONTRACTOR SHALL INCLUDE THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, PERMITS, AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WHEN APPLICABLE.

1.3. CONTRACTOR SHALL OBSERVE AND COMPLY WITH THE STATE DEPARTMENT OF HEALTH REGULATIONS REGARDING STORM WATER DISCHARGE.

1.4. CONTRACTOR SHALL FOLLOW THE GUIDELINES IN THE CITY AND COUNTY OF HONOLULU RULES RELATING TO SOIL EROSION STANDARDS AND GUIDELINES ALONG WITH APPLICABLE SOIL EROSION GUIDELINES FOR MAUI.

1.5. ENGINEER MAY ASSESS LIQUIDATED DAMAGES OF UP TO $27,500 FOR NONCOMPLIANCE OF EACH BMP REQUIREMENT AND EACH REQUIREMENT STATED IN SECTION 209 OF THE SPECIAL PROVISIONS, FOR EVERY DAY OF NONCOMPLIANCE. THERE IS NO MAXIMUM LIMIT ON THE AMOUNT ASSESSED PER DAY.

1.6. ENGINEER WILL DEDUCT THE COST FROM THE PROGRESS PAYMENT FOR ALL CITATIONS RECEIVED BY THE DEPARTMENT FOR NON–COMPLIANCE OR CONTRACTOR SHALL REIMBURSE THE STATE FOR THE FULL AMOUNT OF OUTSTANDING COSTS INCURRED BY THE STATE.

1.7. IF NECESSARY, CONTRACTOR SHALL INSTALL A RAIN GAUGE PRIOR TO ANY WORK INCLUDING THE INSTALLATION OF ANY SITE–SPECIFIC BMPS. THE RAIN GAGE SHALL HAVE A TOLERANCE OF AT LEAST 0.05 INCHES OF RAINFALL. INSTALL THE RAIN GAGE ON THE PROJECT SITE IN AN AREA THAT WILL NOT DETER RAINFALL FROM ENTERING THE GAGE OPENING. DO NOT INSTALL IN A LOCATION WHERE RAIN WATER MAY SPLASH INTO THE RAIN GAGE. THE RAIN GAGE INSTALLATION SHALL BE STABLE AND PLUMBED, AS RECOMMENDED BY MANUFACTURER OR DIRECTED BY ENGINEER. DO NOT BEGIN WORK UNTIL THE RAIN GAGE IS INSTALLED AND SITE–SPECIFIC BMPS ARE INSTALLED, IF APPLICABLE.

1.8. CONTRACTOR SHALL SUBMIT A SITE–SPECIFIC BMP PLAN ALONG WITH THE COMPLETED SITE–SPECIFIC BMP REVIEW CHECKLIST TO ENGINEER WITHIN 21 CALENDAR DAYS OF DATE OF AWARD. THE SITE–SPECIFIC BMP REVIEW CHECKLIST MAY BE OBTAINED FROM HTTPS: //WWW.STORMWATERHAWAII.COM.

2. WASTE DISPOSAL:

2.1. CONTRACTOR SHALL COLLECT AND STORE ALL WASTE MATERIALS IN A SECURELY LIDDED METAL DUMPSTER OR ROLL OFF CONTAINER WITH COVER TO KEEP RAIN OUT OF WASTE AND PREVENT LOSS DUE TO WINDY CONDITIONS. THE DUMPSTER SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. DEPOSIT ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE IN THE DUMPSTER. EMPTY THE DUMPSTER WEEKLY OR WHEN THE CONTAINER IS TWO–THIRDS FULL, WHICHEVER OCCURS FIRST. DO NOT BURY CONSTRUCTION WASTE MATERIALS ONSITE. CONTRACTOR'S SUPERVISORY PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL, OR ACCESSIBLE LOCATION ACCEPTABLE TO THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT PROCEDURES DESCRIBED HEREIN ARE FOLLOWED. SUBMIT THE SOLID WASTE DISCLOSURE FORM FOR CONSTRUCTION SITES TO THE ENGINEER WITHIN 21 CALENDAR DAYS OF AWARD DATE. PROVIDE A COPY OF ALL THE DISPOSAL RECEIPTS TO ENGINEER MONTHLY. THIS SHOULD ALSO INCLUDE THE DOCUMENTATION FROM ANY INTERMEDIARY FACILITY WHERE SOLID WASTE IS HANDLED OR PROCESSED.

2.2. CONTRACTOR SHALL DISPOSE ALL HAZARDOUS WASTE MATERIALS IN THE MANNER SPECIFIED BY LOCAL AND/OR STATE REGULATIONS, AND BY THE MANUFACTURER. CONTRACTOR'S SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES AND SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE ABIDED BY.

2.3. COLLECT ALL SANITARY WASTE FROM PORTABLE UNITS AT A FREQUENCY OF AT LEAST ONCE PER WEEK, OR AS REQUIRED, WHICHEVER IS LESS. POSITION SANITARY FACILITIES WHERE THEY ARE SECURE AND WILL NOT BE TIPPED OVER OR KNOCKED DOWN.

2.4. CONTRACTOR SHALL DISPOSE OF EQUIPMENT AND HYDRAULIC OILS OFF–SITE AND IN ACCORDANCE WITH COUNTY, STATE AND FEDERAL REGULATIONS.

3. EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

3.1. FOR PROJECTS WITH AN NPDES PERMIT FOR CONSTRUCTION ACTIVITIES, INSPECT AT THE FOLLOWING INTERVALS:

3.1.1. FOR CONSTRUCTION AREAS DISCHARGING TO NUTRIENT OF SEDIMENT IMPAIRED WATERS, CONTRACTOR SHALL INSPECT ALL CONTROL MEASURES AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS OF ANY RAINFALL EVENT OF 0.25 INCHES OR GREATER.

3.1.2. FOR CONSTRUCTION AREAS DISCHARGING TO WATERS NOT IMPAIRED FOR NUTRIENT OR SEDIMENTS, CONTRACTOR SHALL INSPECT ALL CONTROL MEASURES WEEKLY. INSPECTIONS ARE ONLY REQUIRED DURING THE PROJECT'S NORMAL WORKING HOURS.

3.1.3. FOR PROJECTS WITHOUT AN NPDES PERMIT FOR CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL INSPECT ALL CONTROL MEASURES WEEKLY.

3.2. CONTRACTOR SHALL ENSURE THE PROPER WORKING ORDER AND CONDUCT REGULAR MAINTENANCE OF ALL CONSTRUCTION EQUIPMENT. ALL CONSTRUCTION EQUIPMENT SHALL BE SERVICED OFF–SITE, AND NO OIL OR FUEL SHALL BE STORED ON THE SITE.

3.3. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES FOR THEIR CONSTRUCTION, STAGING, AND STORAGE AREAS AND SHALL INSPECT AND MONITOR HIS CONSTRUCTION, STAGING, AND STORAGE AREAS TO ENSURE NO NON–STORM WATER DISCHARGES ARE EMITTED. IF SUCH SOURCES ARE IDENTIFIED THE CONTRACTOR SHALL PROVIDE IMMEDIATE MITIGATIVE MEASURES.

3.4. CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER. IF REPAIR IS NECESSARY, INITIATE REPAIR IMMEDIATELY AND COMPLETE BY THE CLOSE OF THE NEXT WORK DAY SO LONG AS THE PROBLEM DOES NOT REQUIRE SIGNIFICANT REPAIR OR REPLACEMENT, OR IF THE PROBLEM CAN BE CORRECTED THROUGH ROUTINE MAINTENANCE. WHEN INSTALLATION OF A NEW EROSION OR SEDIMENT CONTROL OR A SIGNIFICANT REPAIR IS DEEMED NECESSARY, INSTALL THE NEW OR MODIFIED CONTROL OR COMPLETE THE REPAIR NO LATER THAN SEVEN (7) CALENDAR DAYS FROM THE TIME OF DISCOVERY. "IMMEDIATELY" MEANS THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO MINIMIZE OR PREVENT DISCHARGE OF POLLUTANTS UNTIL A PERMANENT SOLUTION IS INSTALLED AND MADE OPERATIONAL. IF A PROBLEM IS IDENTIFIED AT A TIME IN THE DAY WHICH IT IS TOO LATE TO INITIATE REPAIR, INITIATION OF REPAIR SHALL BEGIN ON THE FOLLOWING WORK DAY.

3.5. CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREAS AND SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE DONE IN CONFORMANCE WITH AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES: CHAPTER 11–60, "AIR POLLUTION CONTROL".

3.6. INLET PROTECTION SHALL BE IMPLEMENTED AT ALL STORM DRAIN INLETS AND CATCH BASINS AS INDICATED TO PREVENT ANY SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. INLET PROTECTION DEVICES SHALL BE REMOVED DURING ANY EVENT WHERE FLOODING COULD OCCUR IF DEVICES REMAIN IN PLACE AND REPLACED AFTER THE EVEN HAS PASSED.

3.7. STORM WATER FLOWING TOWARD THE CONSTRUCTION AREA SHALL BE DIVERTED BY USIG APPROPRIATE CONTROL MEASURES, AS PRACTICAL.

3.8. CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM SILT FENCE WHEN IT HAS REACHED ONE–THIRD (1/3) THE FENCE HEIGHT OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LESS. REMOVE SEDIMENT FROM OTHER PERIMETER SEDIMENT CONTROL DEVICES WHEN IT HAS REACHED ONE–HALF (1/2) THE HEIGHT OF THE DEVICE OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LESS.

3.9. CONTRACTOR SHALL INSPECT SILT SCREEN OR FENCE FOR DEPTH OF SEDIMENT, TEARS, AND ANY OTHER DAMAGE TO VERIFY THAT THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS OR CONCRETE SLAB AND TO VERIFY THAT THE FENCE POSTS ARE SECURED INTO THE GROUND. INSPECT AND VERIFY THAT THE BOTTOM OF THE SILT FENCE IS BURIED A MINIMUM OF 6–INCHES BELOW EXISTING GRADE.

3.10. AT THE END OF CONSTRUCTION, EXISTING CATCH BASINS AND DRAIN INLETS SURROUNDING THE PROJECT SITE SHALL BE INSPECTED AND ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND SHALL BE REMOVED. FLUSHING INTO THE CATCH BASINS OR DRAIN INLETS IS PROHIBITED.

3.11. CONTRACTOR SHALL INSPECT TEMPORARY AND PERMANENT SEEDING AND PLANTING FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

3.12. CONTRACTOR SHALL COMPLETE AND SUBMIT TO ENGINEER, A MAINTENANCE INSPECTION REPORT WITHIN 24 HOURS OF PERFORMING EACH INSPECTION.

3.13. CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION EXIT AT ALL POINTS OF EGRESS ONTO PAVED ROADS TO REDUCE VEHICLE TRACKING OF SEDIMENTS. INCLUDE STABILIZED CONSTRUCTION EXIT IN WATER POLLUTION, DUST, AND EROSION CONTROL SUBMITTALS. MINIMUM LENGTH SHALL BE 50–FEET AND MINIMUM WIDTH SHALL BE 30–FEET UNLESS OTHERWISE APPROVED BY ENGINEER. MINIMUM DEPTH SHALL BE 12–INCHES OR AS RECOMMENDED BY THE ENGINEER AND UNDERLAIN WITH GEOTEXTILE. IF MINIMUM DIMENSIONS CANNOT BE MET, CONTRACTOR SHALL PROVIDE OTHER STABILIZATION TECHNIQUES TO REMOVE SEDIMENT PRIOR TO EXIT. CONTRACTOR SHALL CLEAN PAVEMENT ADJACENT TO THE SITE ENTRANCE/EXIT DAILY OR AS REQUIRED TO REMOVE ANY EXCESS MUD, COLD–PLANED MATERIALS, DIRT OR ROCK TRACKED FROM THE SITE. CONTRACTOR SHALL NOT WASH DOWN THE STREET WITHOUT BLOCKING DRAIN INLETS, AND VACUUMING AND CONTAINING WASH WATER. CONTRACTOR SHALL COVER HAUL TRUCKS HAULING MATERIAL FROM AND TO THE CONSTRUCTION SITE WITH A TARPAULIN OR OTHER APPROVED METHOD. CONTRACTOR SHALL REMOVE SEDIMENT TRACKED ON THE STREET, SIDEWALK, OR OTHER PAVED AREAS BY THE END OF THE DAY IN WHICH THE TRACK–OUT OCCURS.

3.14. CONTRACTOR SHALL INCLUDE DESIGNATED CONCRETE WASHOUT AREA(S) IN THE WATER, POLLUTION, DUST AND EROSION CONTROL SUBMITTALS.

3.15. CONTRACTOR SHALL SUBMIT THE NAME OF THE SPECIFIC INDIVIDUAL DESIGNATED RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND COMPLETING THE INSPECTION AND MAINTENANCE REPORT.

3.16. PERSONNEL SELECTED FOR THE INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM CONTRACTOR. THEY SHALL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

3.17. CONTRACTOR SHALL CONTAIN, REMOVE, AND DISPOSE SLURRY GENERATED FROM SAW CUTTING OF PAVEMENT IN ACCORDANCE WITH APPROVED BMP PRACTICES. CONTRACTOR SHALL NOT ALLOW DISCHARGE INTO THE DRAINAGE SYSTEM OR STATE WATERS.

3.18. NO SEDIMENT LADEN RUNOFF SHALL LEAVE THE SITE.

ORIGINAL SURVEY PLOTTED BY: DATE
PLAN DRAWN BY
TRACED BY
NOTE BOOK ENTRIES BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION& EROSION CONTROL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY–ME–24–03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G–05 OF 8 SHEETS

WATER POLLUTION AND EROSION CONTROL NOTES (CONTINUED):

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	7	15

3.19. WATER MUST BE DISCHARGED IN A MANNER THAT THE DISCHARGE SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE BASIC WATER QUALITY CRITERIA SPECIFIED IN THE HAWAII ADMINISTRATIVE RULES, SECTION 11-54-04.

3.20. FOR PROJECTS WITH AN NPDES PERMIT FOR CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY INITIATE STABILIZING EXPOSED SOIL AREAS UPON COMPLETION OF EARTH-DISTURBING ACTIVITIES FOR AREAS WHERE EARTH-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED. EARTH-DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED WHEN CLEARING AND EXCAVATION WITHIN ANY AREAS OF THE CONSTRUCTION SITE, THAT WILL NOT INCLUDE PAVEMENT STRUCTURES, HAS BEEN COMPLETED. EARTH-DISTURBING ACTIVITIES HAVE TEMPORARILY CEASED WHEN CLEARING, GRADING, AND EXCAVATION WITHIN ANY AREA OF THE SITE, THAT WILL NOT INCLUDE PERMANENT STRUCTURES, WILL NOT RESUME (I.E., THE LAND WILL BE IDLE) FOR A PERIOD OF 14 OR MORE CONSECUTIVE CALENDAR DAYS, HOWEVER, SUCH ACTIVITIES WILL RESUME IN THE FUTURE. FOR CONSTRUCTION AREAS DISCHARGING INTO WATERS NOT IMPAIRED FOR NUTRIENTS AND SEDIMENTS, CONTRACTOR SHALL COMPLETE INITIAL STABILIZATION WITHIN 14 CALENDAR DAYS AFTER THE TEMPORARY OR PERMANENT CESSATION OF EARTH-DISTURBING ACTIVITIES. FOR CONSTRUCTION AREAS DISCHARGING INTO SEDIMENT OR NUTRIENT IMPAIRED RECEIVING WATERS, CONTRACTOR SHALL COMPLETE INITIAL STABILIZATION WITHIN 7 CALENDAR DAYS AFTER THE TEMPORARY OF PERMANENT CESSATION OF EARTH-DISTURBING ACTIVITIES.

3.20.1. FOR PROJECTS WITHOUT AN NPDES PERMIT FOR CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL COMPLETE INITIAL STABILIZATION WITHIN 14 CALENDAR DAYS AFTER THE TEMPORARY OR PERMANENT CESSATION OF EARTH-DISTURBING ACTIVITIES.

4. GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES:

4.1. GOOD HOUSEKEEPING SHALL BE UTILIZED TO ENSURE PROTECTION OF ROADWAYS FORM MUD, DIRT, AND DEBRIS.

4.2. MATERIALS POLLUTION PREVENTION PLAN:

4.2.1. APPLICABLE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION. OTHER MATERIALS AND SUBSTANCES NOT LISTED BELOW SHALL BE ADDED TO THE INVENTORY BY CONTRACTOR.

4.2.1.1. CONCRETE, DETERGENTS, PAINTS, METAL, TAR, FERTILIZERS, PETROLEUM-BASED PRODUCTS, CLEANING SOLVENTS, WOOD, CURING COMPOUNDS, ADHESIVES

4.2.2. CONTRACTOR SHALL USE MATERIAL MANAGEMENT PRACTICES TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF. CONTRACTOR SHALL MAKE AN EFFORT TO STORE ONLY ENOUGH PRODUCT AS IS REQUIRED TO DO THE JOB.

4.2.3. CONTRACTOR SHALL STORE ALL MATERIALS ONSITE IN A NEAT AND ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

4.2.4. CONTRACTOR SHALL KEEP PRODUCTS IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

4.2.5. CONTRACTOR SHALL NOT MIX SUBSTANCES WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

4.2.6. WHEN POSSIBLE, CONTRACTOR SHALL USE A PRODUCT UP COMPLETELY BEFORE DISPOSING OF THE CONTAINER.

4.2.7. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL.

4.2.8. CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS, AT A MINIMUM, TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.

5. HAZARDOUS MATERIALS POLLUTION PREVENTION PLAN:

5.13. CONTRACTOR SHALL KEEP PRODUCTS IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

5.14. CONTRACTOR SHALL RETAIN ORIGINAL LABELS AND SAFETY DATA SHEETS (SDS).

5.15. CONTRACTOR SHALL DISPOSE OF SURPLUS PRODUCTS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL AND STATE LAW.

6. ONSITE AND OFFSITE PRODUCT SPECIFIC PLAN:

6.1. PETROLEUM-BASED PRODUCTS:

6.1.1. CONTRACTOR SHALL MONITOR ALL ONSITE VEHICLES FOR LEAKS AND PERFORM REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. STORE PETROLEUM PRODUCTS IN TIGHTLY SEALED CONTAINERS WITH PROPER LABELING. APPLY ASPHALT SUBSTANCES USED ONSITE ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

6.2. FERTILIZERS:

6.2.1. CONTRACTOR SHALL APPLY FERTILIZERS ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER AND FEDERAL, STATE, AND LOCAL REQUIREMENTS. CONTRACTOR SHALL AVOID APPLICATION JUST BEFORE A RAIN EVENT. CONTRACTOR SHALL APPLY AT THE APPROPRIATE TIME OF YEAR FOR THE LOCATION, AND PREFERABLY TIMED TO COINCIDE WAS CLOSELY AS POSSIBLE TO THE PERIOD OF MAXIMUM VEGETATION UPTAKE AND GROWTH IF POSSIBLE. ONCE APPLIED, CONTRACTOR SHALL WORK FERTILIZER INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. CONTRACTOR SHALL NOT APPLY TO STORM CONVEYANCE CHANNELS WITH FLOWING WATER. STORAGE SHALL BE IN A COVERED SHED OR IN AN AREA WHERE FERTILIZER WILL NOT COME INTO CONTACT WITH PRECIPITATION OR STORMWATER. CONTRACTOR SHALL TRANSFER THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER TO A RESEALABLE PLASTIC BIN TO AVOID SPILLS.

6.3. PAINTS:

6.3.1. CONTRACTOR SHALL SEAL AND STORE ALL CONTAINERS WHEN NOT REQUIRED FOR USE. CONTRACTOR SHALL NOT DISCHARGE EXCESS PAINTS TO THE DRAINAGE SYSTEM, SANITARY SEWER SYSTEM, OR STATE WATERS. CONTRACTOR SHALL DISPOSE OF PAINT PROPERLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND/OR LOCAL AND STATE REGULATIONS.

6.4. CONCRETE TRUCKS:

6.4.1. CONTRACTOR SHALL WASHOUT OR DISCHARGE CONCRETE TRUCK DRUM WASH WATER ONLY AT A DESIGNATED SITE AS FAR AS PRACTICABLE FROM STORM DRAIN INLETS OR STATE WATERS. CONTRACTOR SHALL NOT DISCHARGE WATER IN THE DRAINAGE SYSTEM OR STATE WATERS. DISPOSAL BY PERCOLATION IS PROHIBITED. CONTRACTOR SHALL CLEAN DISPOSAL SITE AS REQUIRED OR AS REQUESTED BY ENGINEER.

7. SPILL CONTROL PLAN:

7.1. CONTRACTOR SHALL POST A SPILL PREVENTION PLAN TO INCLUDE MEASURES TO PREVENT AND CLEAN UP EACH SPILL.

7.2. CONTRACTOR SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. CONTRACTOR SHALL DESIGNATE AT LEAST THREE SITE PERSONNEL WHO SHALL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS SHALL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. CONTRACTOR SHALL POST THE NAMES OF RESPONSIBLE SPILL PERSONNEL IN THE MATERIAL STORAGE AREA ON A WEATHERPROOF BULLETIN BOARD OR OTHER ACCESSIBLE LOCATION ACCEPTABLE TO THE ENGINEER AND IN THE OFFICE TRAILER ONSITE, IF APPLICABLE.

7.3. CONTRACTOR SHALL CLEARLY POST MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP. CONTRACTOR SHALL MAKE SITE PERSONNEL AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

7.4. CONTRACTOR SHALL KEEP AMPLE MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP IN THE MATERIAL STORAGE AREA ONSITE.

7.5. CONTRACTOR SHALL CLEAN UP ALL SPILLS IMMEDIATELY AFTER DISCOVERY.

7.6. CONTRACTOR SHALL KEEP THE SPILL AREA WELL VENTILATED. PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

7.7. WHERE A LEAK, SPILL, OR OTHER RELEASE CONTAINING A HAZARDOUS SUBSTANCE OR OIL IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR PART 110, 40 CFR PART 117, OR 40 CFR PART 302 OCCURS DURING A 24-HOUR PERIOD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS THE CONTRACTOR HAS KNOWLEDGE OF THE DISCHARGE. NOTE THAT THE REPORTABLE QUANTITY FOR OIL AND FUEL PRODUCTS IS A SPILL OF 25 GALLONS OR MORE, A SPILL NOT CLEANED UP IN 72 HOURS, OR A SPILL THAT THREATENS GROUND OR SURFACE WATERS. THE ENGINEER WILL NOTIFY THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802, THE CLEAN WATER BRANCH DURING REGULAR BUSINESS HOURS AT 586-4309, THE CLEAN WATER BRANCH (DOH-CWB) VIA EMAIL AT CLEANWATERBRANCH@DOH.HAWAII.GOV DURING NON-BUSINESS HOURS, THE DOH HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE AT (808) 586-4249, THE COAST GUARD MAUI STATION AT (808) 986-0023 AND THE LOCAL EMERGENCY PLANNING COMMITTEE AT (808) 720-7285. THE CONTRACTOR SHALL ALSO PROVIDE TO THE ENGINEER, WITHIN 1 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE, A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF THE RELEASE. THE ENGINEER WILL PROVIDE THIS INFORMATION TO THE DOH-CWB. THE ENGINEER WILL PROVIDE INFORMATION TO THE NRC IF REQUESTED.

ORIGINAL SURVEY PLOTTED BY
PLAN DRAWN BY
NOTE BOOK TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
No. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION& EROSION CONTROL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G-06 OF 8 SHEETS

WATER POLLUTION AND EROSION CONTROL NOTES (CONTINUED):

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	8	15

8. PERMIT REQUIREMENTS:

   8.1. A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR CONSTRUCTION ACTIVITIES OF ONE ACRE OR MORE OF DISTURBED AREA IS NOT REQUIRED FOR THIS PROJECT. IF CONTRACTOR REQUIRES EXTRA LAND DISTURBANCE, INCLUDING STAGING AND STORAGE AREAS, WHICH RESULT IN A TOTAL FOOT PRINT OF ONE ACRE OR MORE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED NPDES CONSTRUCTION PERMIT. REFER TO HAWAII ADMINISTRATIVE RULES CHAPTER 11-55, APPENDIX C FOR DEFINITION OF LAND DISTURBANCE. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE APPLICABLE NPDES PERMIT DOCUMENTS WITHIN THE BID DOCUMENTS.

   8.2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMIT CONDITIONS.

9. TEMPORARY CONSTRUCTION BEST MANAGEMENT PRACTICES:

   9.1. CONSTRUCTION BEST MANAGEMENT PRACTICES SHALL BE IN ACCORDANCE WITH THE HDOT CONSTRUCTION BEST MANAGEMENT PRACTICES FIELD MANUAL (2021). THE MANUAL MAY BE OBTAINED AT HTTPS://WWW.STORMWATERHAWAII.COM.

ORIGINAL PLAN
SURVEY PLOTTED BY: DATE
DRAWN BY:
TRACED BY:
DESIGNED BY:
QUANTITIES BY:
CHECKED BY:
NOTE BOOK
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER POLLUTION& EROSION CONTROL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G-07 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	9	15

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES:

1. CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL QUALITY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING AND REMOVAL OF ALL SILT AND DEBRIS GENERATED BY WORK AND DEPOSITED AND/OR ACCUMULATED WITHIN DOWNSTREAM WATERWAYS, DITCHES, DRAIN PIPES AND PUBLIC AND PRIVATE ROADWAYS. CONTRACTOR AGREES TO REIMBURSE THE STATE FOR ALL COSTS EXPENDED IN PERFORMANCE OF ABOVE WORK IF REQUIRED FOR PUBLIC HEALTH AND SAFETY OR MADE NECESSARY BY NON-PERFORMANCE BY CONTRACTOR.
3. CONTRACTOR SHALL NOT PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW INTO EXISTING DRAINAGE SYSTEMS, OR ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY.
4. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE, AND SAFETY OF THE PUBLIC.
5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO HAR TITLE 11 CHAPTER 46, PUBLIC HEALTH REGULATIONS, DEPARTMENT OF HEALTH, STATE OF HAWAII, COMMUNITY NOISE CONTROL, IN WHICH MAXIMUM PERMISSIBLE NOISE LEVELS HAVE BEEN SET. IF THE CONSTRUCTION WORK REQUIRES A PERMIT FROM THE DIRECTOR OF HEALTH, THE CONTRACTOR SHALL OBTAIN A COPY OF CHAPTER 46 AND BECOME FAMILIAR WITH THE NOISE LEVEL RESTRICTIONS AND THE PROCEDURES FOR OBTAINING A PERMIT FOR THE CONSTRUCTION ACTIVITIES AND PERFORMANCE OF WORK. APPLICATION AND INFORMATION ON VARIANCES ARE AVAILABLE FROM THE ENVIRONMENTAL PROTECTION AND HEALTH SERVICES DIVISION.
6. IF WORK SITE, TRAFFIC CONTROL, OR ANY TRAFFIC CONTROL DEVICE IS NOT INSTALLED PER PLAN, SPECIFICATION, MANUFACTURER'S RECOMMENDATION, OR IS DEEMED UNSAFE, THE ENGINEER RESERVES THE RIGHT TO PROHIBIT WORK TO CONTINUE UNTIL THE DEFICIENCY IS CORRECTED AT NO ADDITIONAL COST TO OWNER OR EXTENSION OF CONTRACT TIME.

ADDITIONAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY WITH THE DRAWINGS IMMEDIATELY UPON DISCOVERY.
2. DRAWINGS ARE BASED ON DRAWINGS FOR THE FOLLOWING PROJECTS:
   - 2.1. KAAHUMANU AVENUE TRAFFIC SIGNAL MODERNIZATION HIGH STREET TO WHARF STREET, PROJECT NO. NH-STP-032-1(6), DATED AUGUST 1999.
3. NOT ALL EXISTING ITEMS MAY BE SHOWN. CONTRACTOR SHALL FIELD VERIFY AND NOTIFY ENGINEER OF ANY EXISTING ITEMS THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL.
5. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING SIDEWALK, RAMPS, DRAINAGE STRUCTURES AND ALL OTHER ITEMS NOT INCLUDED IN WORK. CONTRACTOR SHALL BEAR ALL COSTS RELATED TO REPAIRING DAMAGED ITEMS.

LEGEND

- °emh — EXIST ELEC MANHOLE
- ◎mon. — EXIST MONUMENT
- —d—18— — EXISTING 18" DRAIN LINE
- °sdmh — EXIST STORM DRAIN MANHOLE
- ƀ — EXIST TRAFFIC SIGN WITH 2 POSTS
- ——— EXIST CURB & GUTTER
- ▤ EXIST INLET GRATE
- - - - - - - - - AC PAVEMENT DEMO LIMITS
- ▨ CONCRETE TO BE REMOVED
- ▨ AC PAVEMENT, COLD PLANE
- ▨ NEW CONCRETE
- ▨ NEW AC PAVEMENT

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BY | No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

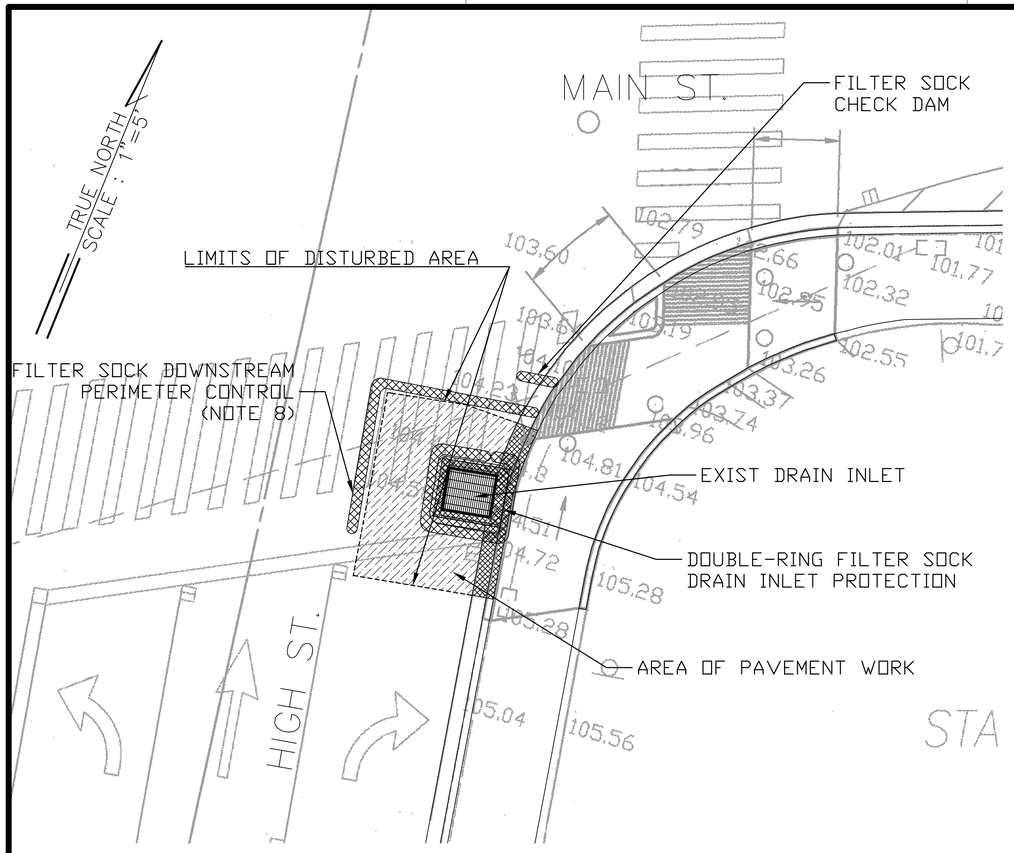
MISCELLANEOUS NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. G-08 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	10	15

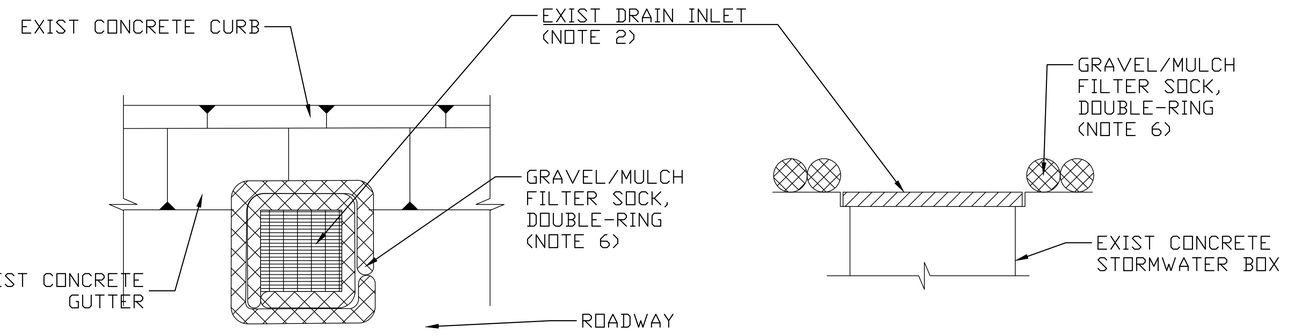


WATER POLLUTION & EROSION CONTROL PLAN

1" = 5'

5 0 5 10 15

SCALE IN FEET



INLET PROTECTION DETAIL

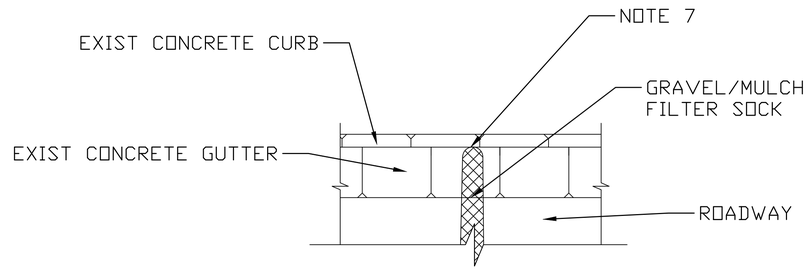
NTS

(1 / 6 6)

INLET PROTECTION SECTION

NTS

(A / 6 6)



FILTER SOCK CHECK DAM DETAIL

NTS

(2 / 6 6)

NOTES:

1. CONTRACTOR SHALL INSTALL STORM WATER QUALITY TEMPORARY BMPS IN ACCORDANCE WITH HDOT CONSTRUCTION BMP FIELD MANUAL (2021).
2. STORM DRAIN INLET SHALL BE COVERED WITH TIGHT SEALING URETHANE MAT (OR OTHER APPROVED METHOD) AND STORM WATER SHALL BE PREVENTED FROM ENTERING STORM DRAIN SYSTEM WHEN WORK REQUIRES REMOVAL OF DOUBLE-RING FILTER SOCK PROTECTION.
3. GRAVEL/MULCH FILTER SOCKS SHALL BE INSTALLED AT ALL DOWNSLOPE PERIMETER BOUNDARIES OF CONSTRUCTION AREA AND AROUND ENTIRE PERIMETER OF ALL STORM DRAIN INLETS IMPACTED WATER MAY DRAIN TO PRIOR TO START OF CONSTRUCTION ACTIVITIES.
4. TEMPORARY BMPS SHALL BE MAINTAINED THROUGHOUT DURATION OF CONSTRUCTION.
5. FILTER SOCKS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR PAVED SURFACES.
6. DOUBLE-RING FILTER SOCK INLET PROTECTION SHALL BE INSTALLED WITH STAGGERED JOINTS AND IN A MANNER THAT REDUCES THE POTENTIAL OF BREAKTHROUGH/UNDERCUTTING.
7. ENSURE FILTER SOCK IS TIGHTLY INSTALLED AGAINST CURB TO PREVENT STORMWATER FROM BYPASSING BMP.
8. CONTRACTOR SHALL EXTEND LIMITS OF FILTER SOCK AS NECESSARY TO CAPTURE ALL STORMWATER RUNOFF FROM WORK AREA.

ORIGINAL SURVEY PLOTTED BY
PLAN DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE REVISIONS
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

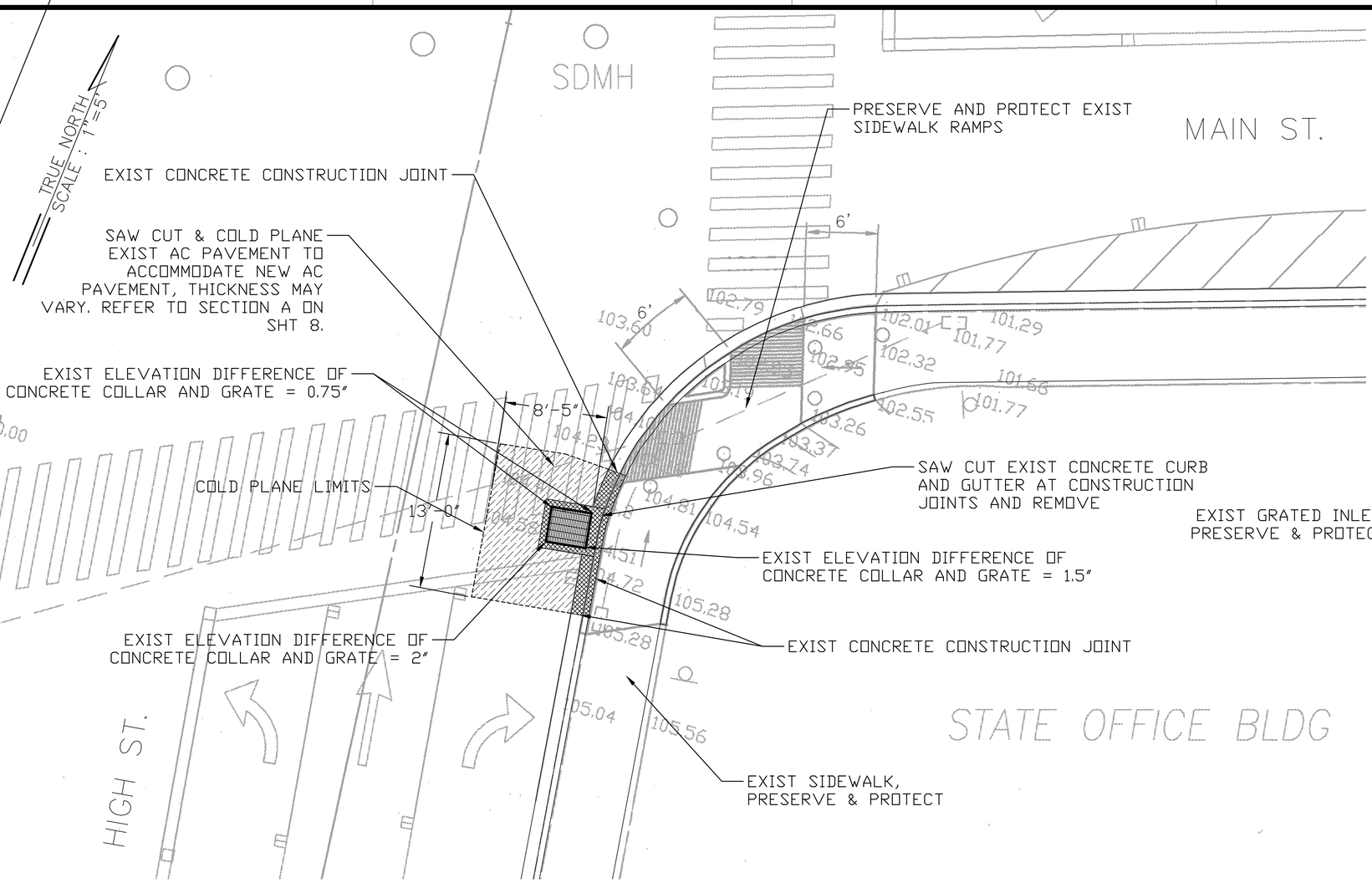
WATER POLLUTION & EROSION CONTROL

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

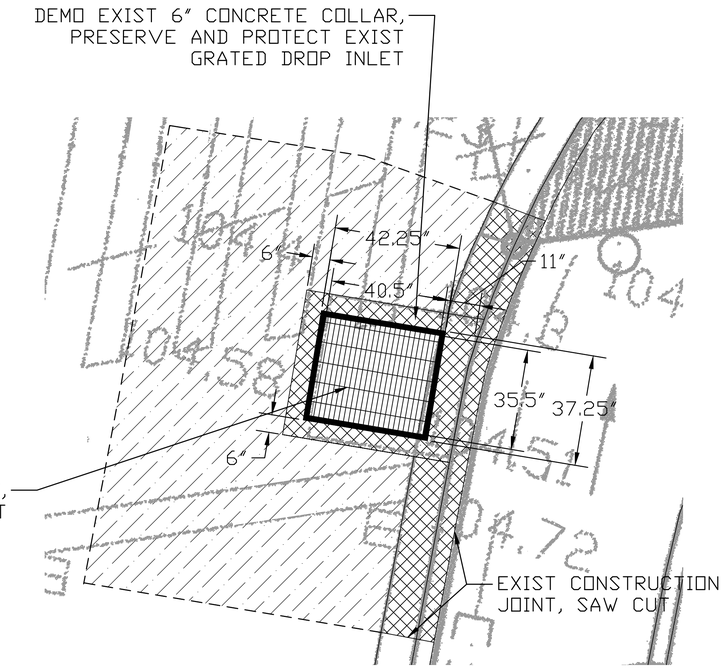
SHEET No. WP OF 01 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	11	15



5 0 5 10 15
SCALE IN FEET

DEMOLITION PLAN
1" = 5'



2 0 2 4
SCALE IN FEET

ENLARGED PLAN
1" = 2'

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY WITH THE DRAWINGS IMMEDIATELY UPON DISCOVERY.
2. NOT ALL EXISTING ITEMS MAY BE SHOWN. CONTRACTOR SHALL FIELD VERIFY AND NOTIFY ENGINEER OF ANY EXISTING ITEMS THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL.
4. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING SIDEWALK, RAMPS, DRAINAGE STRUCTURES AND ALL OTHER ITEMS NOT INCLUDED IN WORK. CONTRACTOR SHALL BEAR ALL COSTS RELATED TO REPAIRING DAMAGED ITEMS.
5. CONTRACTOR SHALL INSTALL STORM WATER QUALITY TEMPORARY BMPS IN ACCORDANCE WITH HDOT CONSTRUCTION BMP FIELD MANUAL (2021).
6. STORM DRAIN INLET WITHIN LIMITS OF CONSTRUCTION SHALL BE COVERED AND IMPACTED STORM WATER SHALL BE PREVENTED FROM ENTERING STORM DRAIN SYSTEM.
7. GRAVEL/MULCH FILTER SOCKS SHALL BE INSTALLED AT ALL DOWNSLOPE PERIMETER BOUNDARIES OF CONSTRUCTION AREA AND AROUND ENTIRE PERIMETER OF ALL STORM DRAIN INLETS IMPACTED WATER MAY DRAIN TO PRIOR TO START OF ACTIVITIES. TEMPORARY BMPS SHALL BE MAINTAINED THROUGHOUT DURATION OF CONSTRUCTION. FILTER SOCKS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR PAVED SURFACES.

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
No.

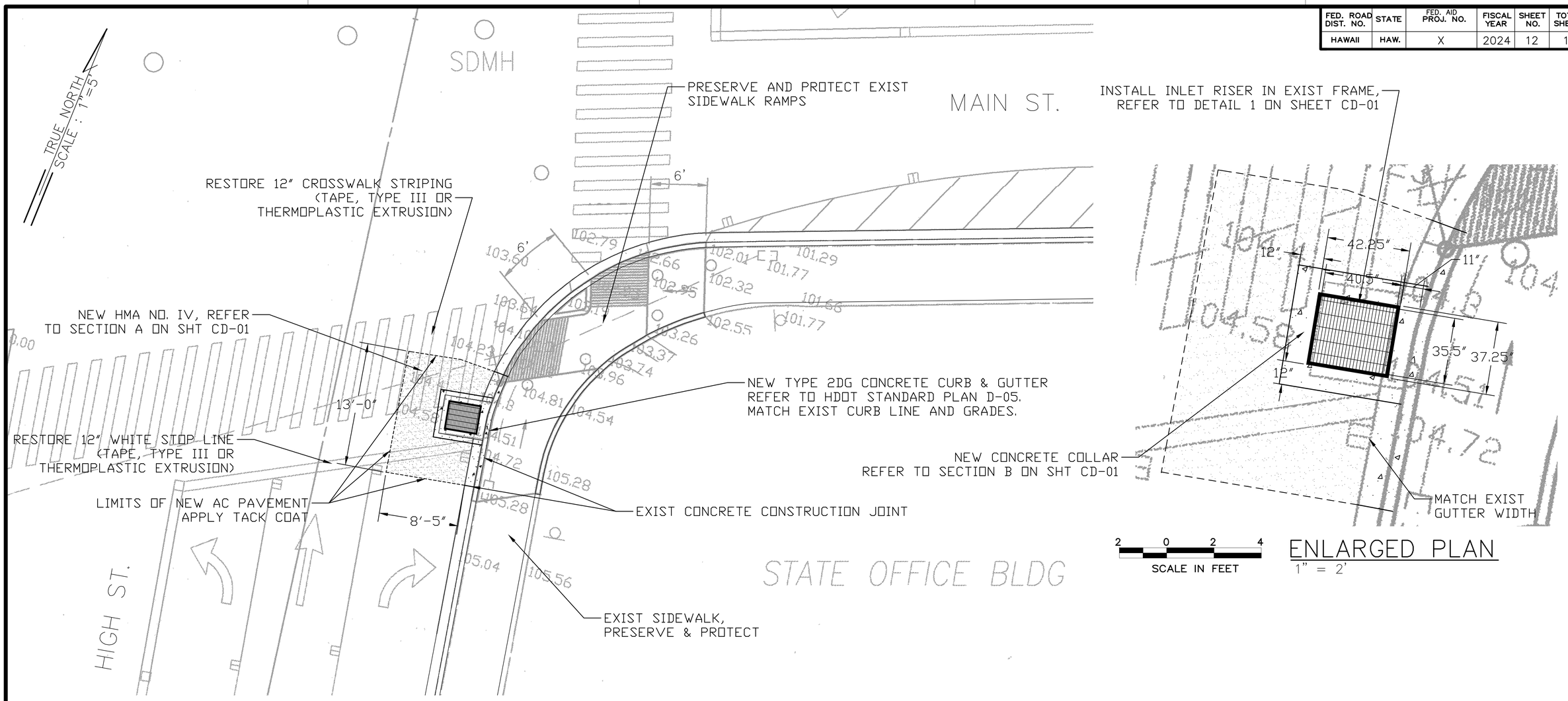
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION PLAN

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	12	15



5 0 5 10 15
SCALE IN FEET

PLAN
1" = 5'

2 0 2 4
SCALE IN FEET

ENLARGED PLAN
1" = 2'

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY WITH THE DRAWINGS IMMEDIATELY UPON DISCOVERY.
2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL.
3. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING SIDEWALK, RAMPS, DRAINAGE STRUCTURES AND ALL OTHER ITEMS NOT INCLUDED IN WORK. CONTRACTOR SHALL BEAR ALL COSTS RELATED TO REPAIRING DAMAGED ITEMS.
4. NEW AC PAVEMENT SHALL BE NO MORE THAN $\frac{1}{8}$" ABOVE EDGE OF NEW CONCRETE COLLAR. CONCRETE COLLAR SHALL BE AT SAME ELEVATION AS TOP OF INLET GRATE. SLOPE NEW AC PAVEMENT FROM EDGE OF JOINT TO CONCRETE COLLAR AS NECESSARY.

ORIGINAL SURVEY PLOTTED BY
PLAN DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
NOTE BOOK DATE
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

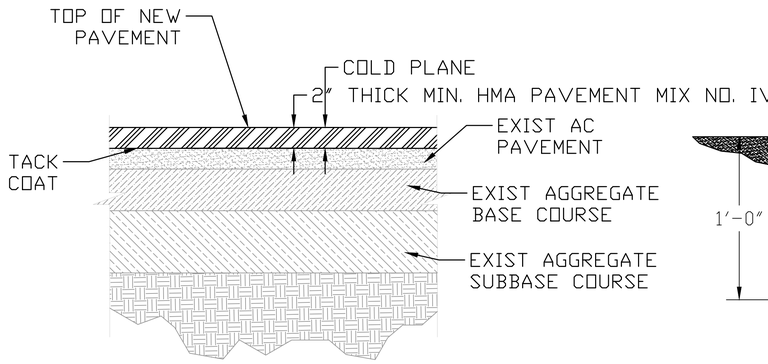
PROPOSED PLAN

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

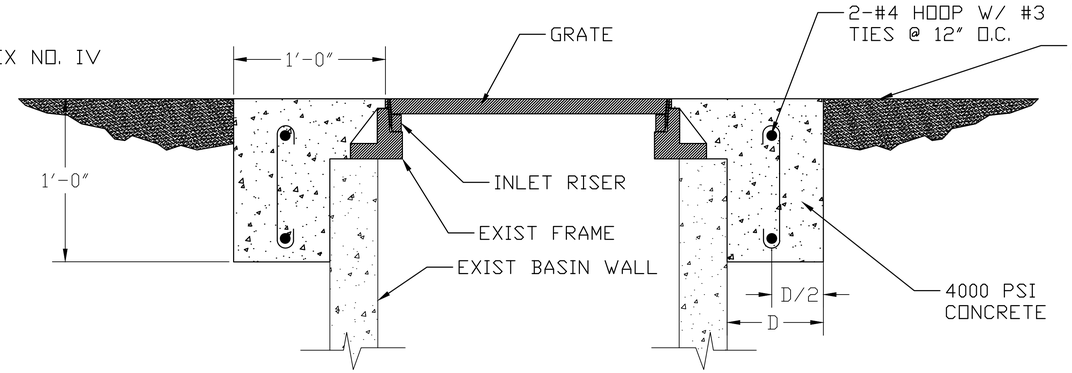
SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. C-02 OF 2 SHEETS

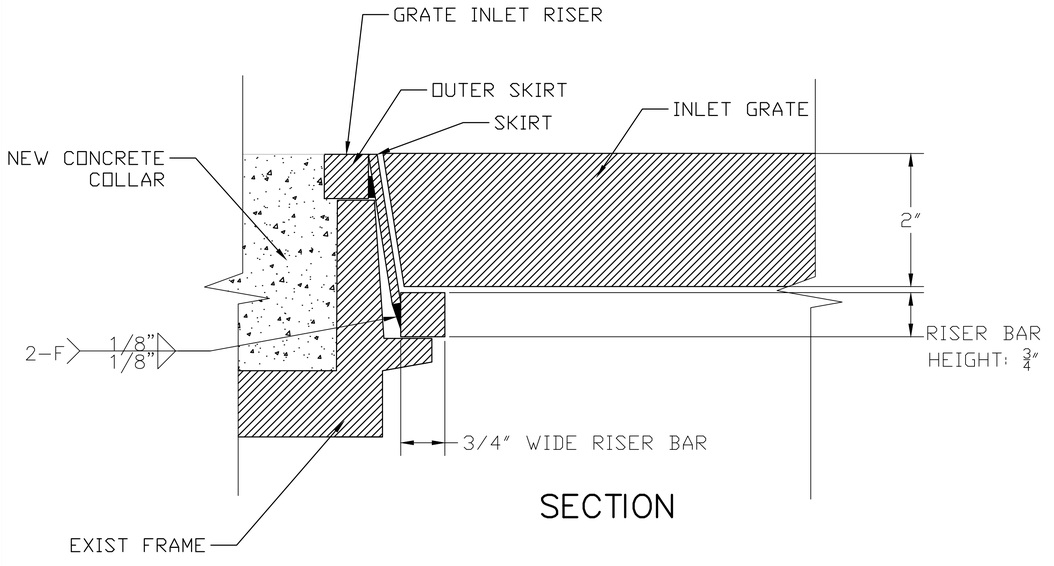
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	13	15



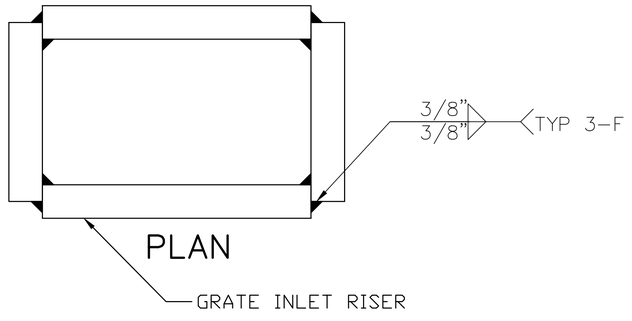
PAVEMENT SECTION (A 12|13)
SCALE: NTS



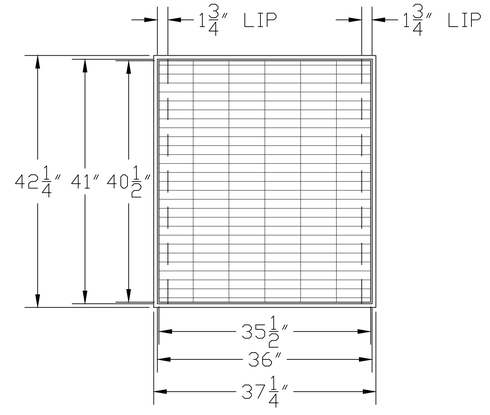
CONCRETE COLLAR SECTION (B 12|13)
SCALE: NTS



SECTION



INLET RISER DETAIL (1 12|13)
SCALE: NTS



GRATE AND FRAME DETAIL (2 13|13)
SCALE: NTS

NOTES
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY WITH THE DRAWINGS IMMEDIATELY UPON DISCOVERY.
2. CONCRETE SHALL BE CLASS A.
3. RISER BAR SHALL BE HOT ROLLED STEEL A.I.S.I. 1020 (A-36).
4. STEEL SKIRT SHALL BE 12 OR 14 GAUGE HR A.I.S.I. 1020 STEEL (A-36).
5. OUTER SKIRT SHALL BE 3/8" THICK HR A.I.S.I. 1020 STEEL (A-36).
6. WELDS SHALL BE ARC 71 (FLUX-CORED) (26% ELONGATION) 50% STITCH WELD TOP BAR AND FULL WELD BOTTOM BAR.
4. NEW AC PAVEMENT SHALL BE NO MORE THAN 1/8" ABOVE EDGE OF NEW CONCRETE COLLAR. CONCRETE COLLAR SHALL BE AT SAME ELEVATION AS TOP OF INLET GRATE. SLOPE NEW AC PAVEMENT FROM EDGE OF JOINT TO CONCRETE COLLAR AS NECESSARY.
5. REINFORCING STEEL SHALL HAVE A MINIMUM OF 2" OF CONCRETE COVER.
6. INLET RISER SHALL BE EQUIPPED WITH SET SCREWS.
7. APPROVED INLET GRATE RISER:
   - 7.1. TYPE 2 INLET RISER AS MANUFACTURED BY AMERICAN HIGHWAY PRODUCTS (BOLIVAR, OH); OR
   - 7.2. ENGINEER APPROVED EQUAL.
   - 7.3. INLET RISER SHALL BE RATED H-20.

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK | No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAILS

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. CD-01 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	14	15

GENERAL NOTES FOR TRAFFIC CONTROL:

1. ONLY TRAFFIC CONTROL PLANS FOR MAJOR CONSTRUCTION ACTIVITIES ARE SHOWN. THE CONTRACTOR SHALL DEVELOP HIS OWN TRAFFIC CONTROL PLANS IN ACCORDANCE WITH SECTION 645 OF THE SPECIAL PROVISIONS OR THE CURRENT US FEDERAL HIGHWAYS ADMINISTRATION "MANUAL ON UNIFORM CONTROL DEVICES, PART 6 – TEMPORARY TRAFFIC CONTROL" (MUTCD 2009) FOR ACTIVITIES TO COMPLETE WORK NOT COVERED BY THE TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL FOLLOW THE MORE STRINGENT GUIDELINES. THE CONTRACTOR SHALL SUBMIT THE TRAFFIC CONTROL PLANS TO THE ENGINEER FOR APPROVAL. PAYMENT FOR DEVELOPMENT AND IMPLEMENTATION OF THE TRAFFIC CONTROL PLANS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
2. ALL LANE CLOSURES AND TRAFFIC PATTERN CHANGES (DETOURS) NOT SHOWN ON THE PLAN SHALL BE SUBMITTED TOT HE ENGINEER FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS SECTION 645 – WORK ZONE TRAFFIC CONTROL. FOR RESTRICTIONS ON LANE CLOSURES, DETOURS, CONSTRUCTION WORK DURING PEAK HOURS, AND OTHER REQUIREMENTS REGARDING MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC, SEE SECTION 107.06 – CONTRACTOR DUTY REGARDING PUBLIC CONVENIENCE, AND SECTION 645 – WORK ZONE TRAFFIC CONTROL.
3. SITES REQUIRING SHOULD CLOSURES ARE AS INDICATED ON THE PLANS. TRAVEL LANES SHALL REMAIN OPEN AT ALL TIMES. ADDITIONAL CLOSURES ARE PROHIBITED UNLESS OTHERWISE APPROVED BY THE ENGINEER. FEES FOR UNAUTHORIZED LANE CLOSURES SHALL BE BORNE BY THE CONTRACTOR, IN ACCORDANCE WITH SECTION 108 – PROSECUTION AND PROGRESS OF THE SPECIAL PROVISIONS.
4. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC. TO FIT FIELD CONDITIONS.
5. CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
6. 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. LIKEWISE, REMOVAL OF TRAFFIC CONTROL SHOULD BEGIN WITH THE DEVICE CLOSEST TO THE WORK AREA AND PROGRESSIVELY AWAY FROM THE WORK AREA.
7. REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC PLANS SHALL BE REMOVED OR COVERED.
8. FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATIONS AT ALL TIMES.
9. SIGN SPACINGS (L), TAPER LENGTHS (T), AND SPACINGS OF CONES OR DELINEATORS SHALL BE AS SHOWN IN TABLE 1 OF SECTION 645 IN THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ON HDOT'S TRAFFIC CONTROL PLANS.
10. ALL TRAFFIC LANES SHALL BE A MINIMUM OF 11 FEET WIDE.
11. ALL SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE. IF SIGN IS COVERED, THE SIGN'S WORDING SHALL NOT BE VISIBLE UNDER ALL LIGHT CONDITIONS.
12. THE BACKS OF ALL SIGNS FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (I.E., WHEN SIGNS HAVE MESSAGES ON BOTH FACES).
13. AT THE END OF EACH DAY'S WORK OR AS SOON AS THE WORK IS COMPLETED, THE CONTRACTOR 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.
14. REPLACE PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS UPON COMPLETION OF EACH PHASE OF WORK. TEMPORARY PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL BE USED IN THE INTERIM.
15. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE TRAFFIC PATTERNS ARE CHANGED. AFTER COMPLETION OF THE WORK, TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED. PAYMENT FOR REMOVAL OF EXISTING PAVEMENT MARKINGS AND FURNISHING, INSTALLING, AND REMOVAL OF TEMPORARY PAVEMENT MARKINGS, WHETHER OR NOT SHOWN ON THE TRAFFIC CONTROL PLANS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
16. THE LOCATIONS OF PAVEMENT MARKINGS, SIGNS, AND DELINEATORS USED IN THE TRAFFIC CONTROL SHALL BE AS SHOWN ON THE PLANS, CONTRACTOR'S APPROVED TRAFFIC CONTROL PLANS, AND/OR AS DETERMINED IN THE FIELD BY THE ENGINEER.
17. DAMAGE TO SIGNS, TEMPORARY PAVEMENT MARKERS, AND DELINEATORS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. WORN SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED DAMAGED.
18. SIGNS FOR NIGHT WORK SHALL BE RETROREFLECTIVE AND SHALL BE MOUNTED WITH A TYPE B HIGH INTENSITY FLASHER.
19. TRAFFIC CONES AND DELINEATORS SHALL BE A MINIMUM OF 18 INCHES IN HEIGHT WITH A BROADENED BASE AND MAY BE MADE OF VARIOUS MATERIALS TO WITHSTAND IMPACT WITHOUT DAMAGE TO THEMSELVES OR TO VEHICLES. 28 INCHES SHOULD BE THE MINIMUM HEIGHT OF CONES DURING HOURS OF DARKNESS.
20. TRAFFIC CONES AND DELINEATORS SHALL BE REFLECTORIZED OR EQUIPPED WITH LIGHTING DEVICES FOR MAXIMUM VISIBILITY DURING NIGHT TIME USE.
21. WORK ZONE LIMITS SHOWN FOR EACH TRAFFIC CONTROL PHASE ENCOMPASS ALL WORK ITEMS TO BE COMPLETED IN THAT PARTICULAR PHASE. THE LENGTH OF THE WORK ZONE MAY BE REDUCED TO ACCOMMODATE THE CONTRACTOR'S ACTUAL WORK ZONE FOR THAT TIME PERIOD, PROVIDED IT HAS BEEN ACCEPTED BY THE ENGINEER, AND ALL TANGENTS, TAPERS, AND BUFFER LENGTHS ARE MAINTAINED.
22. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SIGN SUPPORTS AND/OR POSTS FOR CONSTRUCTION WARNING SIGNS.
23. FOR INTERMITTENT WORK ZONES WITHIN A PARTICULAR TRAFFIC CONTROL PHASE, ONLY CONES ALONG THE ACTUAL WORK ZONE NEED TO BE PLACED AT 10' O.C. THE INTERMITTENT WORK ZONE SHALL INCLUDE A 220 FEET BUFFER AREA ALONG THE LEADING EDGE OF TRAFFIC FLOW. ALL OTHER TRAFFIC CONTROL CONES CAN BE PLACED AT 35 FEET O.C. SEE TYPICAL DETAIL.
24. ALL TEMPORARY STRIPING SHALL BE 6 INCHES WIDE.
25. ALL PUBLIC NOTICES AND ADVERTISEMENTS SHALL BE INCIDENTAL TO LUMP SUM TRAFFIC CONTROL ITEMS 645.0100 – TRAFFIC CONTROL, AND BE PAID FOR SEPARATELY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
26. CONTRACTOR SHALL SUBMIT REQUEST FOR DETOURS AND LANE CLOSURES IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 645.03 (F). CONTRACTOR GENERATED TRAFFIC CONTROL PLANS SHALL BE APPROVED PRIOR TO SUBMITTAL OF CLOSURE REQUEST. FAILURE TO ADHERE TO SUBMITTAL TIMEFRAMES MAY RESULT IN REJECTION OF REQUEST. CONTRACTOR IS SOLELY RESPONSIBLE FOR ADHERENCE TO SUBMITTAL REQUIREMENTS, COSTS, AND TIME ASSOCIATED WITH APPROVALS AND SCHEDULING INCLUDING CONSTRUCTION MEANS AND METHODS.

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

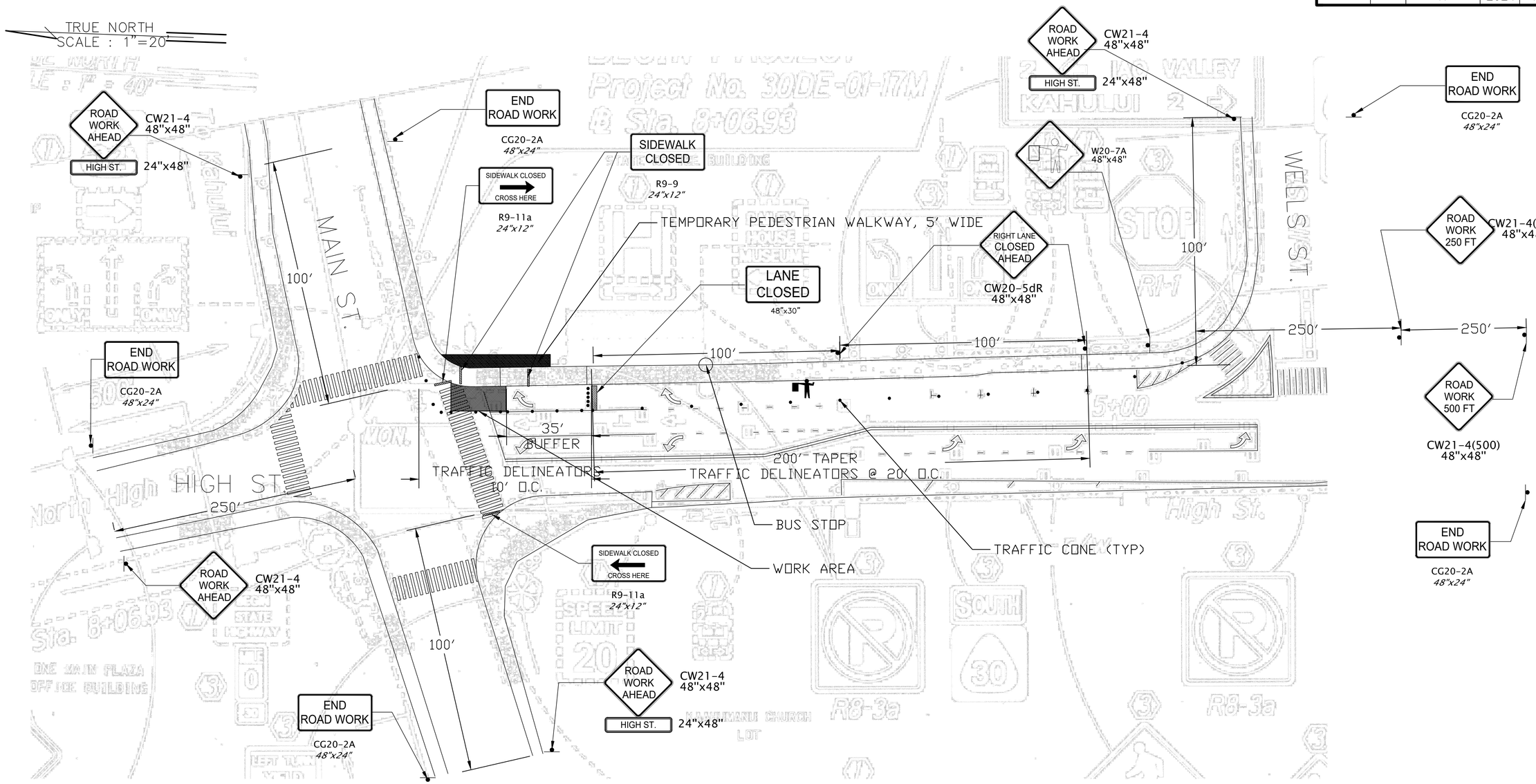
TRAFFIC CONTROL NOTES

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. TC-01 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	X	2024	15	15



20 10 0 20 40 60
SCALE IN FEET

TRAFFIC CONTROL PLAN
1" = 20'

NOTES:

1. DIMENSIONS SUPERCEDE SCALED DISTANCES.
2. TRAFFIC CONES AND DELINEATORS SHALL REMAIN IN PLACE DURING NON-WORKING HOURS.
3. SEE SHT TC-01 FOR ADDITIONAL REQUIREMENTS FOR TRAFFIC CONTROL DEVICES DURING NON-WORKING HOURS.

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
No.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL

GRATED DROP INLET AND PAVEMENT REPAIR
HIGH STREET AND MAIN STREET
PROJECT NO. HWY-ME-24-03

SCALE: AS NOTED DATE: JUNE, 2024

SHEET No. TC-02 OF 2 SHEETS