



GENERAL NOTES

1. THE LOCATIONS AND SIZES OF THE VARIOUS REPAIR TYPES ARE NOT SHOWN ON THE CONTRACT PLAN. THE LIMITS OF THE WORK SHALL BE DETERMINED BY THE OAHU DISTRICT MANAGER AND THE CONSTRUCTION ENGINEER BASED UPON ACTUAL AREAS AND DIMENSIONS.
2. THE QUANTITY OF REPAIRS SHOWN IN THE PROPOSAL SCHEDULE IS AN APPROXIMATION AND FOR BIDDING PURPOSES ONLY.
3. THE CONSTRUCTION ENGINEER WILL NOTIFY THE CONTRACTOR WHEN SUCH WORK WILL BE DONE. THE CONSTRUCTION ENGINEER, CONTRACTOR, AND TENANT WHEN APPROPRIATE, WILL MEET AT THE JOB SITE TO LOCATE AND MARK THE REPAIR AREAS AND DETERMINE THE TYPE OF REPAIR WORK TO BE DONE.
4. THE EXISTING ASPHALT PAVEMENT MATERIAL REQUIRING REMOVAL SHALL NOT BE STORED BUT HAULED AWAY DAILY FROM THE JOB SITE AND DISPOSED OF IN A LAWFUL MANNER BY THE CONTRACTOR.
5. PLACE TEMPORARY AND PERMANENT PAVEMENT MARKINGS AS NEEDED.
6. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GENERAL PLAN - HONOLULU HARBOR

NOT TO SCALE

NOTES FOR ENVIRONMENTAL PROTECTION

1. THE CONTRACTOR SHALL COMPLY WITH THE NPDES PERMIT REQUIREMENTS AND HARBORS SWMP PROGRAMS FOR THE PROJECT. THE PREPARATION OF THE SWPPP SHALL FOLLOW HAWAII ADMINISTRATIVE RULES (HAR) 11-55 (EFFECTIVE FEBRUARY 9, 2019 AS AMENDED) APPENDIX C, SECTION 7. THE CONTRACTOR SHALL COMPLY WITH THE CLEAN WATER ACT AND THE STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION STORMWATER MANAGEMENT PROGRAM. NO POLLUTANTS ARE ALLOWED TO BE DISCHARGED DIRECTLY OR INDIRECTLY THROUGH THE HARBORS SMALL MS4 OR OTHER POTENTIAL PATHWAYS INTO ADJACENT STATE WATERS.
2. THE CONTRACTOR SHALL UPDATE AND SUBMIT THE SWPPP TO THE CONSTRUCTION ENGINEER PRIOR TO THE START OF WORK. FILTERS, BERMS, SILT FENCES OR APPROPRIATE BMPs SHALL BE PLACED AROUND ALL AFFECTED STORM DRAINS. BARRIERS SHALL BE MAINTAINED FOR THE EXTENT OF THE PROJECT.
3. THE CONTRACTOR SHALL NOTIFY HARBORS CONSTRUCTION ENGINEER AND ENVIRONMENTAL SECTION WHEN THE SITE IS READY FOR INITIAL SITE INSPECTION, PRIOR TO THE COMMENCEMENT OF ANY ON-SITE CONSTRUCTION ACTIVITIES INVOLVING GROUND DISTURBANCE.
4. POTENTIAL POLLUTANTS EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION INCLUDE ASPHALT CONCRETE, EMULSIFIED ASPHALT, ASPHALT RELEASE AGENT, PETROLEUM BASED PRODUCTS, AND PAVEMENT MARKING PAINT. OTHER MATERIALS AND SUBSTANCES NOT LISTED SHALL BE ADDED TO THE INVENTORY.
5. IF ANY SPILLS, LEAKS, OR CONTAMINATED SOIL ARE ENCOUNTERED DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL MAKE APPROPRIATE NOTIFICATIONS AND INFORM THE CONSTRUCTION ENGINEER IMMEDIATELY (I.E. WITHIN 24-HOURS). HAZARDOUS WASTE MUST BE SEGREGATED FROM THE STORAGE OF ALL OTHER WASTES, PROPERLY CHARACTERIZED, AND PROPERLY DISPOSED OF AT A LICENSED FACILITY.
6. MATERIALS SHALL NOT BE STORED ON-SITE. MATERIAL MANAGEMENT PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE TO STORM WATER RUNOFF.
7. DURING FUELING, PROPER CONTAINMENT MUST BE EMPLOYED TO CATCH ANY SPILL/LEAK IN PLACE.
8. DISCHARGES OF EMULSION SHALL BE CONTAINED AND COLLECTED IMMEDIATELY USING ABSORBANT MATERIALS, ETC. SPILL KIT SHALL BE KEPT ON SITE. IN THE EVENT OF A PETROLEUM SPILL, INERT ABSORBENT MATERIAL (E.G. ZEP-O-ZORB) WILL BE USED ON A TIMELY BASIS SO THAT IT WILL NOT DEVELOP A SHEEN WHEN IT RAINS. ABSORBANT WILL BE PROPERLY DISPOSED OF AWAY FROM THE SITE.
9. ALL VEHICLES AND EQUIPMENT SHALL BE CHECKED DAILY FOR LEAKS AND RECEIVED REGULAR OR PREVENTATIVE MAINTENANCE. OIL CONTAINMENT SHOULD BE PLACED UNDER VEHICLES AND EQUIPMENT WHEN NOT IN USE OR STORED OVERNIGHT..
10. PROPERLY DISPOSE OF OLD OR SPILLED ASPHALT. COLLECT AND REMOVE BROKEN ASPHALT.
11. EXCESS SAND AND GRAVEL SHALL BE SWEEPED TO PREVENT DISCHARGE INTO THE STORM DRAINAGE SYSTEM.
12. PAVEMENT MARKING, COLD PLANING AND RESURFACING OPERATIONS SHALL NOT BE CONDUCTED DURING RAINY DAYS.
13. WATERING SHALL BE USED FOR DUST CONTROL. DUST CONTROL WATERING SHALL BE CONTROLLED TO PREVENT RUN-OFF.
14. WASHING OF EQUIPMENT WILL BE PERFORMED OFF SITE.
15. NOTIFY THE HDOT HARBORS DIVISION ENGINEERING BRANCH ENVIRONMENTAL HOTLINE (808-587-1962) AND DESIGNATED HARBORS CONSTRUCTION ENGINEER OF ANY ILLICIT DISCHARGE AND/OR SPILL/RELEASE THAT OCCURS ONSITE.

REV	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE PAVEMENT REPAIRS AT VARIOUS LOCATIONS, HONOLULU HARBOR OAHU, HAWAII				
SHEET TITLE GENERAL PLAN, GENERAL NOTES AND NOTES FOR ENVIRONMENTAL PROTECTION				
SUBMITTED BY: <i>Carol Schubert</i>			RECOMMENDED BY: <i>Mark DeStefano</i>	
DESIGNED BY: EL			APPROVED BY: <i>Mark DeStefano</i>	
DRAWN BY: EL			for <i>Mark DeStefano</i>	
CHECKED BY: AF			HARBORS ADMINISTRATOR	
DATE: FEB 2023			JOB NUMBER S10863	
SCALE: NTS			SHEET 1 1 OF 6 SHTS.	



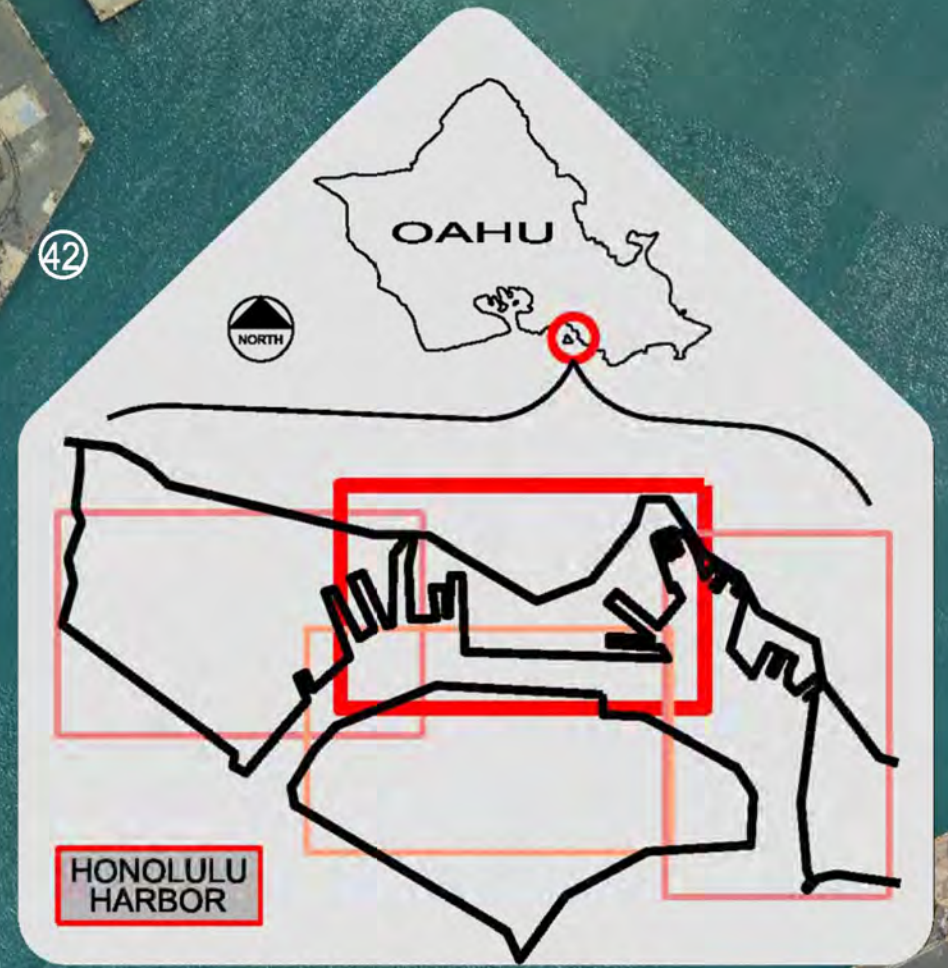
LEGEND
 — APPROX. HARBORS PROPERTY BOUNDARY
 (X) PIER NUMBER



REV	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE PAVEMENT REPAIRS AT VARIOUS LOCATIONS, HONOLULU HARBOR OAHU, HAWAII				
SHEET TITLE PARTIAL PLAN - PIERS 38-51, 60				
SUBMITTED BY: <i>Carol Johnson</i>			RECOMMENDED BY: <i>W. D. [Signature]</i>	
SECTION HEAD			ENGINEERING PROGRAM MANAGER	
DESIGNED BY: EL	APPROVED BY: <i>W. D. [Signature]</i>		SHEET	
DRAWN BY: EL	for HARBORS ADMINISTRATOR		2	
CHECKED BY: AF	JOB NUMBER		2 OF 6 SHTS.	
DATE: FEB 2023	S10863			
SCALE: 1" = 200'				



LEGEND
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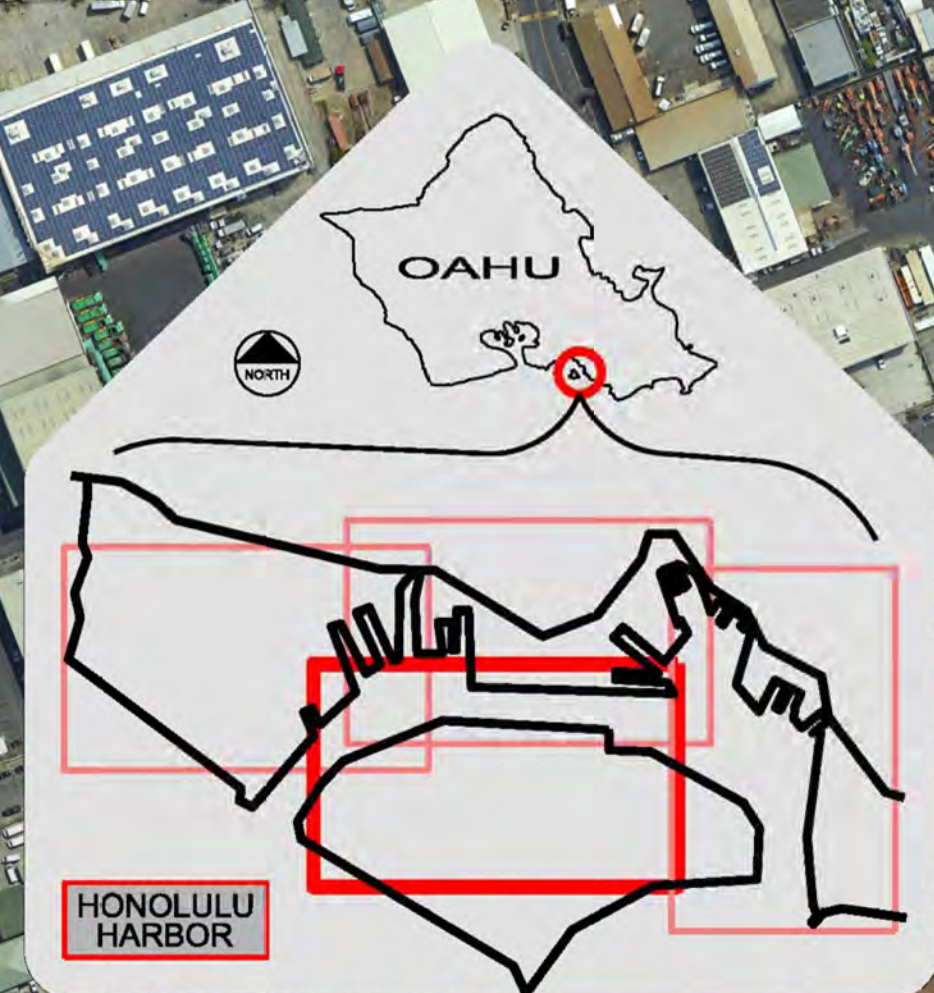


REV	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE PAVEMENT REPAIRS AT VARIOUS LOCATIONS, HONOLULU HARBOR OAHU, HAWAII				
SHEET TITLE PARTIAL PLAN - PIERS 15-42, 51-53				
SUBMITTED BY: <i>Carol Schubert</i> SECTION HEAD			RECOMMENDED BY: <i>M. Stat</i> ENGINEERING PROGRAM MANAGER	
DESIGNED BY: EL	APPROVED BY: <i>M. Stat</i>			SHEET
DRAWN BY: EL	for HARBORS ADMINISTRATOR			3
CHECKED BY: AF	JOB NUMBER			S10863
DATE: FEB 2023				
SCALE: 1" = 200'				3 OF 6 SHTS.



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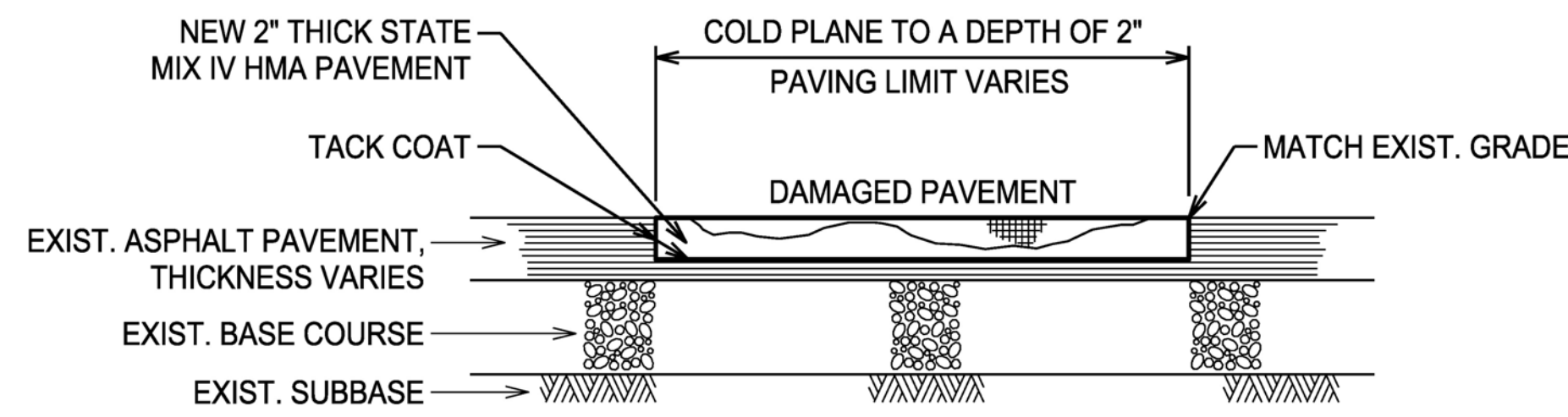
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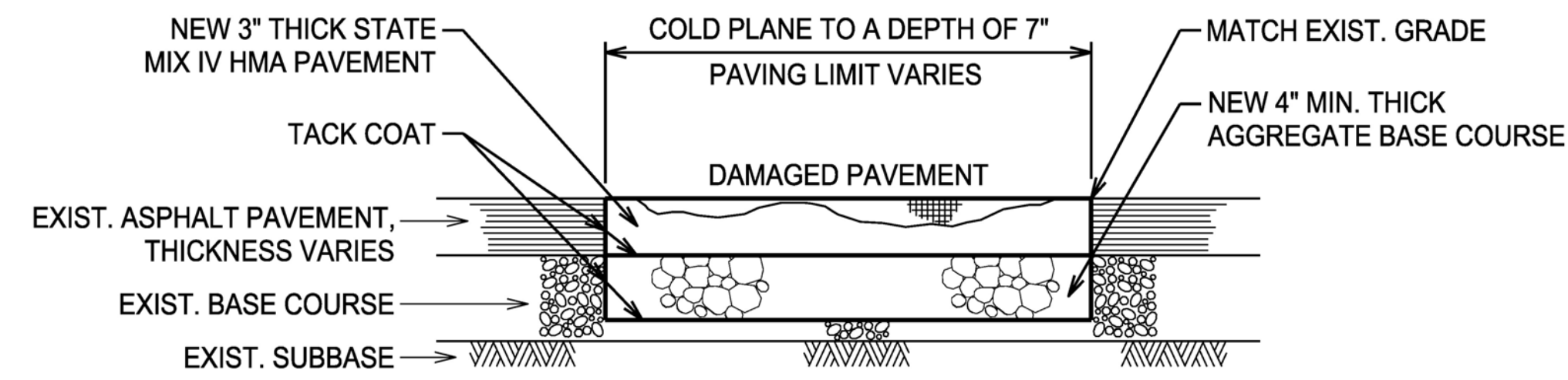
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE PAVEMENT REPAIRS AT VARIOUS LOCATIONS, HONOLULU HARBOR OAHU, HAWAII				
SHEET TITLE PARTIAL PLAN - PIERS 25-34, 38-53				
SUBMITTED BY: <i>Carol Akimoto</i> SECTION HEAD			RECOMMENDED BY: <i>Mark Datta</i> ENGINEERING PROGRAM MANAGER	
DESIGNED BY: EL	APPROVED BY: <i>Mark Datta</i>			SHEET
DRAWN BY: EL	for HARBORS ADMINISTRATOR			4
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DATE: FEB 2023	S10863			
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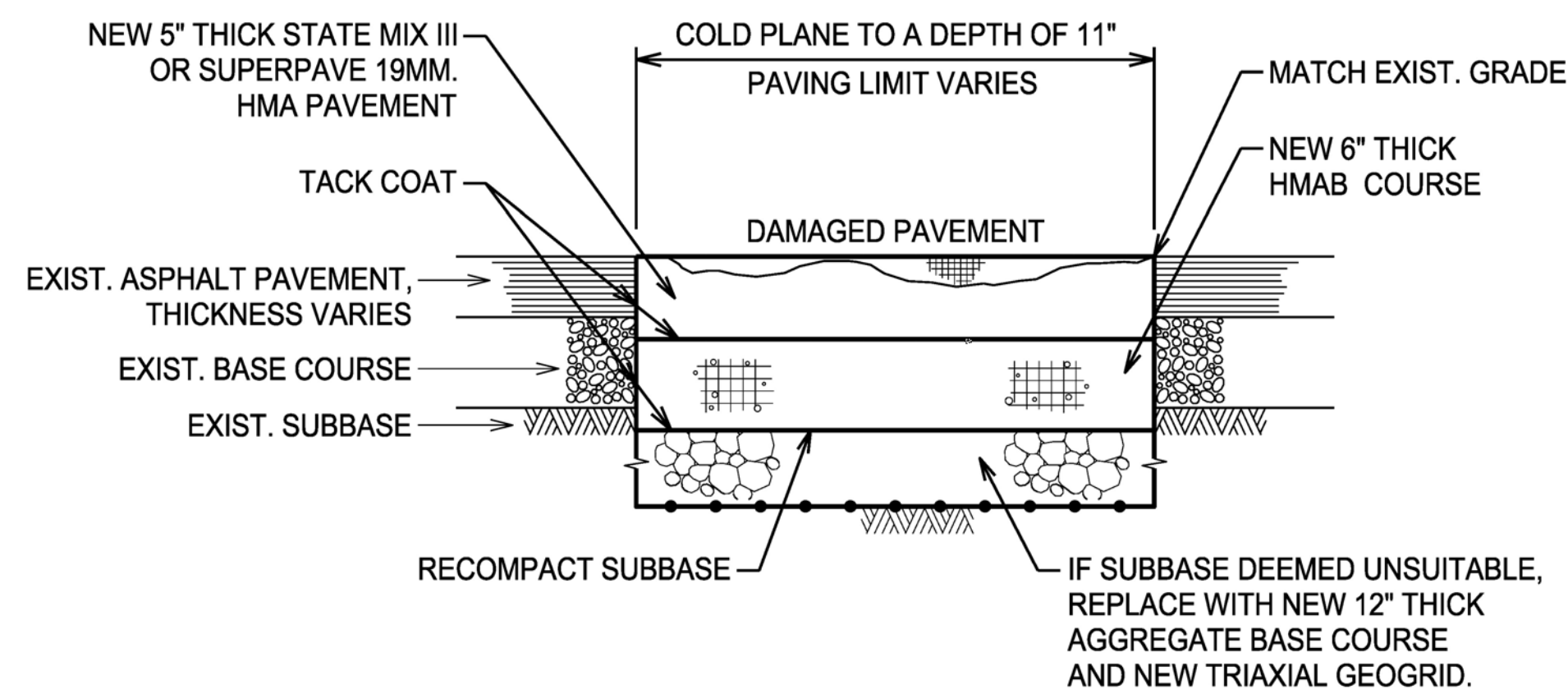
REV	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE PAVEMENT REPAIRS AT VARIOUS LOCATIONS, HONOLULU HARBOR OAHU, HAWAII				
SHEET TITLE PARTIAL PLAN - PIERS 1-17, 20, 21				
SUBMITTED BY: <i>Carol Johnson</i> SECTION HEAD			RECOMMENDED BY: <i>Neil Sato</i> ENGINEERING PROGRAM MANAGER	
DESIGNED BY: EL	APPROVED BY: <i>Neil Sato</i>		SHEET	
DRAWN BY: EL	for HARBORS ADMINISTRATOR		5	
CHECKED BY: AF	JOB NUMBER		5 OF 6 SHTS.	
DATE: FEB 2023	S10863			
SCALE: 1" = 200'				



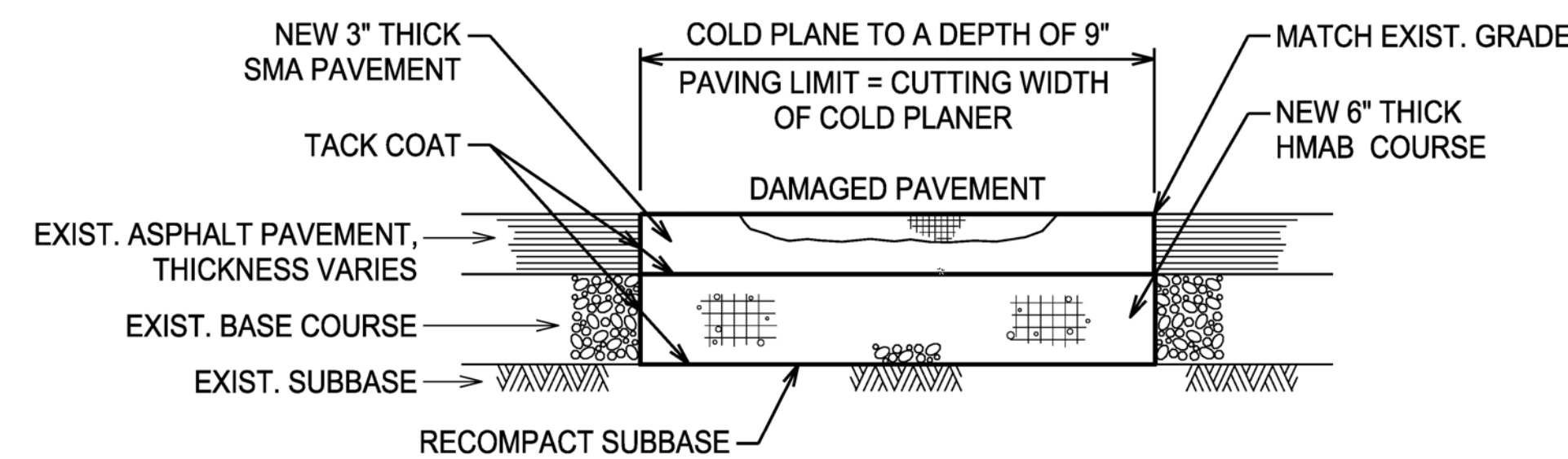
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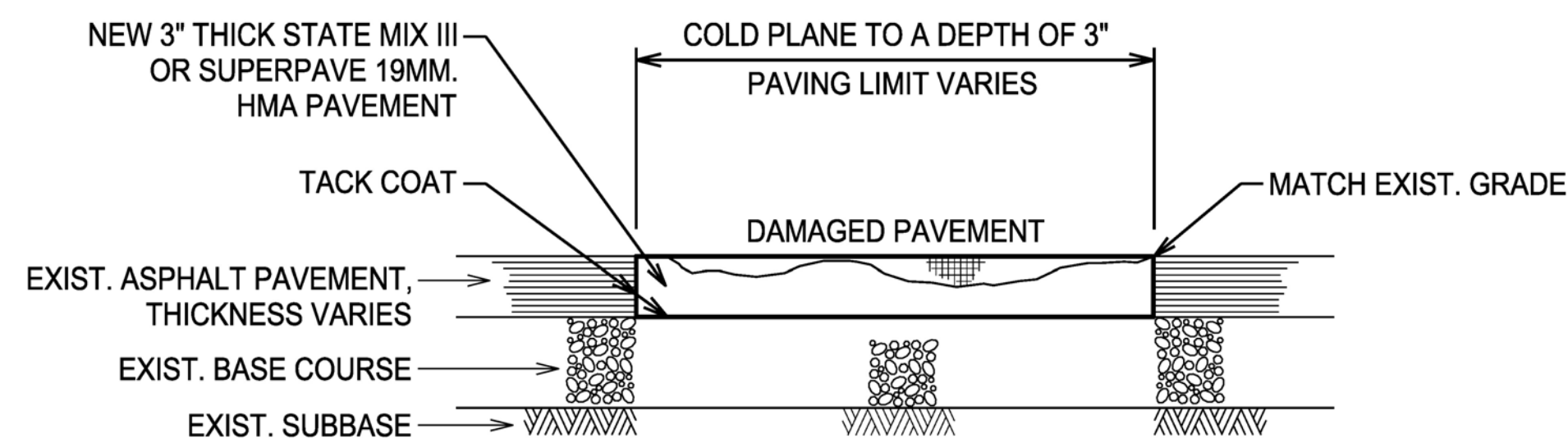
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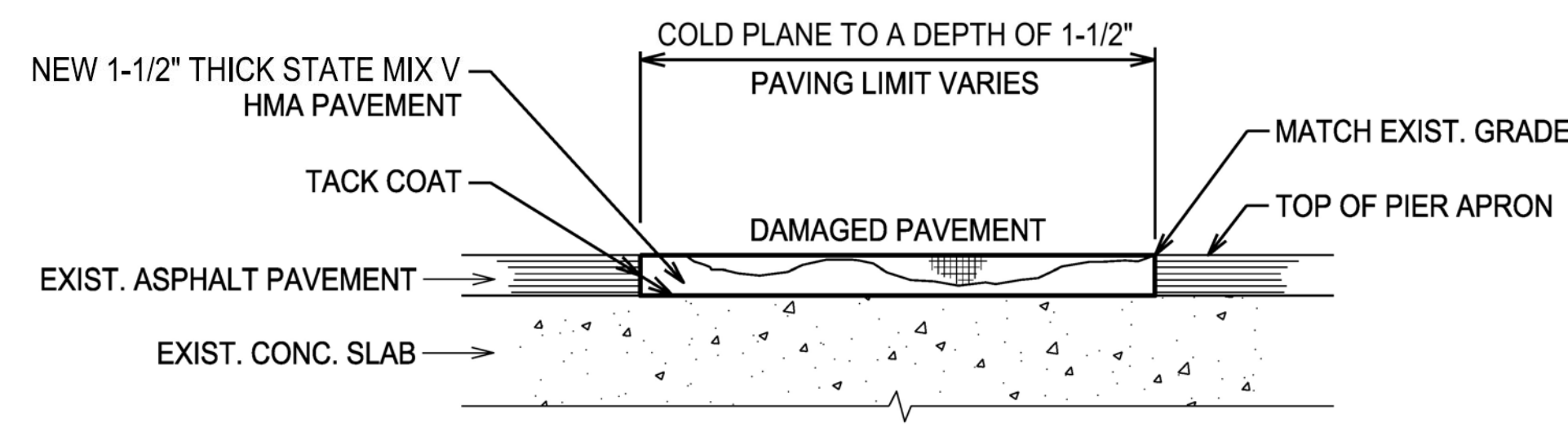
TYPE "C" REPAIR DETAIL
NOT TO SCALE



TYPE "D" REPAIR DETAIL
NOT TO SCALE



TYPE "E" REPAIR DETAIL
NOT TO SCALE



TYPE "F" REPAIR DETAIL
NOT TO SCALE

REPAIR NOTES

TYPE "A" REPAIRS:

1. REMOVE EXISTING DAMAGED ASPHALT PAVEMENT BY COLD-PLANING.
2. REWORK EXISTING BASE COURSE (IF REQUIRED).
3. APPLY BITUMINOUS TACK COAT.
4. PLACE 2-INCH THICK STATE MIX IV HOT MIX ASPHALT (HMA) PAVEMENT.

TYPE "B" REPAIRS:

1. REMOVE EXISTING DAMAGED ASPHALT PAVEMENT AND BASE COURSE BY COLD-PLANING.
2. REWORK EXISTING SUBBASE (IF REQUIRED).
3. APPLY BITUMINOUS TACK COAT.
4. PLACE 4-INCH THICK AGGREGATE BASE COURSE.
5. APPLY BITUMINOUS TACK COAT.
6. PLACE 3-INCH THICK STATE MIX IV HOT MIX ASPHALT (HMA) PAVEMENT.

TYPE "C" REPAIRS:

1. REMOVE EXISTING DAMAGED ASPHALT PAVEMENT AND BASE COURSE BY COLD-PLANING.
2. REWORK EXISTING SUBBASE (IF REQUIRED).
3. APPLY BITUMINOUS TACK COAT.
4. PLACE 6-INCH THICK HOT MIX ASPHALT BASE (HMAB) COURSE.
5. APPLY BITUMINOUS TACK COAT.
6. PLACE 5-INCH THICK STATE MIX III OR SUPERPAVE 19MM HOT MIX ASPHALT (HMA) PAVEMENT.

TYPE "D" REPAIRS:

1. EXISTING ASPHALT PAVEMENT AND BASE COURSE BY COLD-PLANING.
2. APPLY BITUMINOUS TACK COAT.
3. PLACE 6-INCH THICK HOT MIX ASPHALT BASE (HMAB) COURSE.
4. APPLY BITUMINOUS TACK COAT.
5. PLACE 3-INCH THICK STONE MATRIX ASPHALT (SMA) PAVEMENT.

TYPE "E" REPAIRS:

1. REMOVE 3 INCHES OF EXISTING ASPHALT PAVEMENT BY COLD-PLANING.
2. CLEAN EXISTING SURFACE OF ALL FOREIGN DEBRIS AND APPLY BITUMINOUS TACK COAT.
3. FILL AND LEVEL LOW SPOTS, LIMITS SHALL BE DETERMINED IN THE FIELD.
4. PLACE 5-INCH THICK STATE MIX III OR SUPERPAVE 19MM HOT MIX ASPHALT (HMA) PAVEMENT.

TYPE "F" REPAIRS:

1. REMOVE 1 INCH TO 2 INCHES OF EXISTING ASPHALT PAVEMENT BY COLD-PLANING. CONTRACTOR SHALL NOT DAMAGE EXISTING CONCRETE SLAB DURING COLD PLANING.
2. CLEAN EXISTING SURFACE OF ALL FOREIGN DEBRIS AND APPLY BITUMINOUS TACK COAT.
3. FILL AND LEVEL LOW SPOTS, LIMITS SHALL BE DETERMINED IN THE FIELD.
4. PLACE 1-INCH TO 2-INCH THICK STATE MIX V HOT MIX ASPHALT (HMA) PAVEMENT AND SLOPE TO DRAIN TOWARDS THE OCEAN.

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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE PAVEMENT REPAIRS AT VARIOUS LOCATIONS, HONOLULU HARBOR OAHU, HAWAII				
SHEET TITLE REPAIR NOTES AND DETAILS				
SUBMITTED BY: <i>Carol Wharmist</i> SECTION HEAD			RECOMMENDED BY: <i>[Signature]</i> ENGINEERING PROGRAM MANAGER	
DESIGNED BY: EL	APPROVED BY: <i>[Signature]</i>		SHEET	
DRAWN BY: EL	for <i>[Signature]</i>		HARBORS ADMINISTRATOR	
CHECKED BY: AF	JOB NUMBER		6	
DATE: FEB 2023	S10863		6 of 6 SHTS.	
SCALE: NTS				