

PAVEMENT REPAIRS AT VARIOUS CONTAINER YARDS, HONOLULU HARBOR, OAHU, HAWAII

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION

S10885



LOCATION AND VICINITY MAP
NOT TO SCALE

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

APPROVED BY:
[Signature]

FOR DIRECTOR OF TRANSPORTATION

Jun 9, 2023

DATE

SHEET

1

1 OF 4 SHTS.



SITE PLAN - PIERS 51, 52, & 53 CONTAINER YARDS
 SCALE: 1" = 200'

REV	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE PAVEMENT REPAIRS AT VARIOUS CONTAINER YARDS, HONOLULU HARBOR <small>OAHU, HAWAII</small>				
SHEET TITLE SITE PLAN - PIERS 51, 52, & 53 CONTAINER YARDS				
DESIGNED BY: EL				2 2 OF 4 SHTS.
DRAWN BY: EL				
CHECKED BY: AF				
DATE: JUNE 2023				
SCALE: AS SHOWN	JOB NUMBER S10885			



LEGEND

- APPROX. HARBORS PROPERTY BOUNDARY
- ⊗ PIER NUMBER

SITE PLAN - PIER 1 CONTAINER YARD

SCALE: 1" = 200'

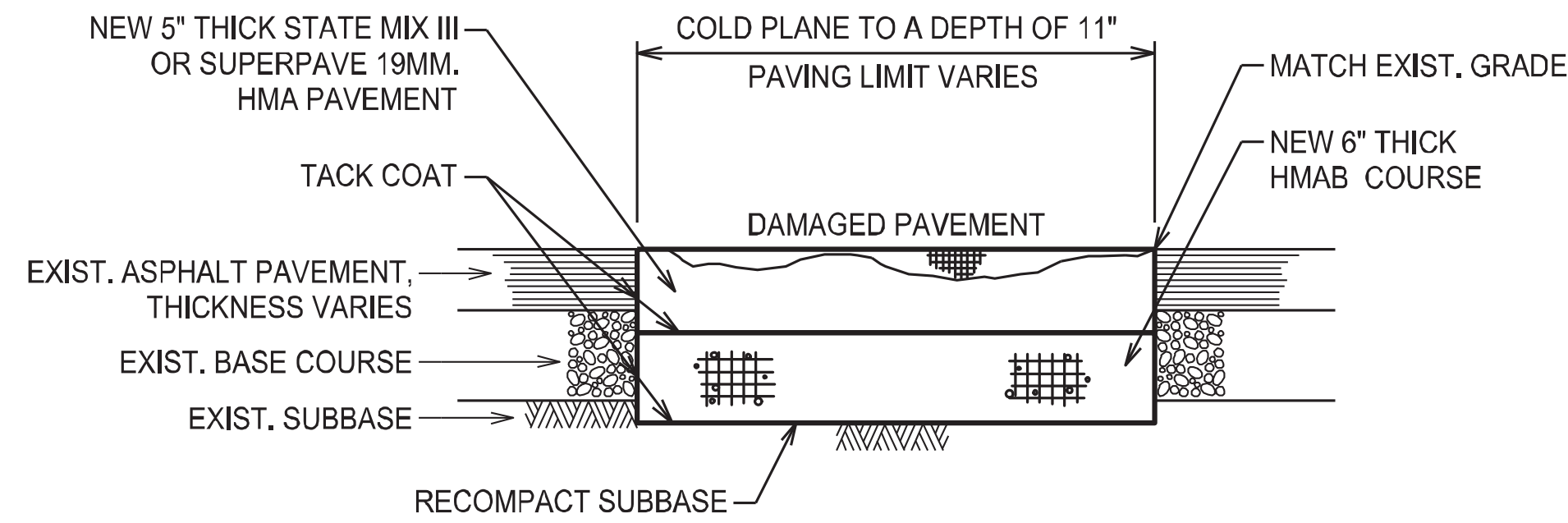
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SITE PLAN - PIER 1 CONTAINER YARD				
DESIGNED BY: EL				SHEET
DRAWN BY: EL				3
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SCALE: AS SHOWN				3 OF 4 SHTS.

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 PAVEMENT MARKINGS AS NEEDED.
6. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

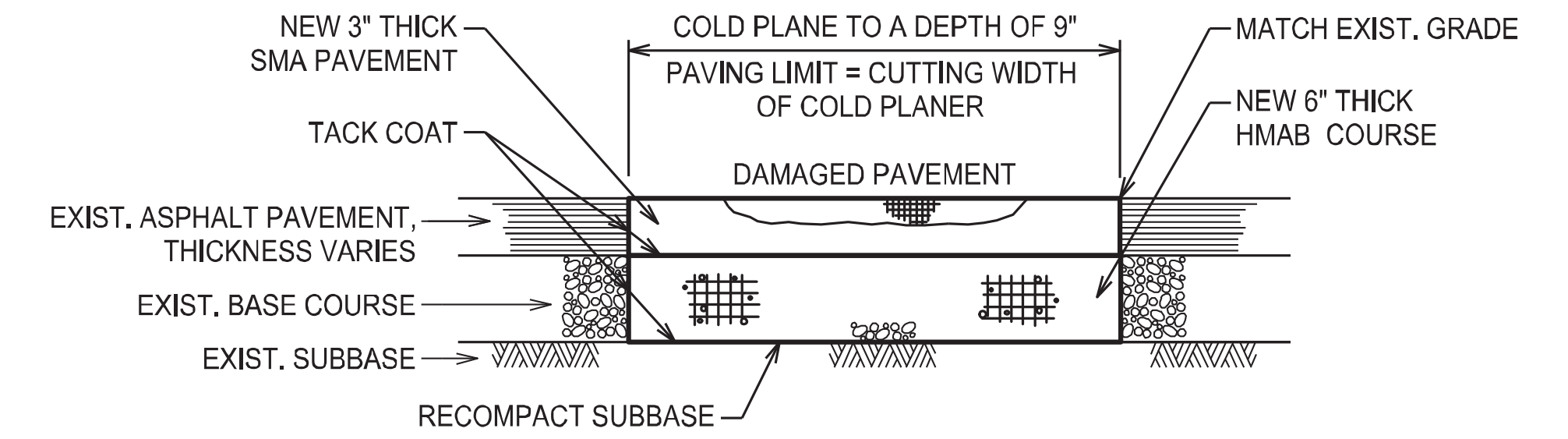
NOTES FOR ENVIRONMENTAL PROTECTION

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.



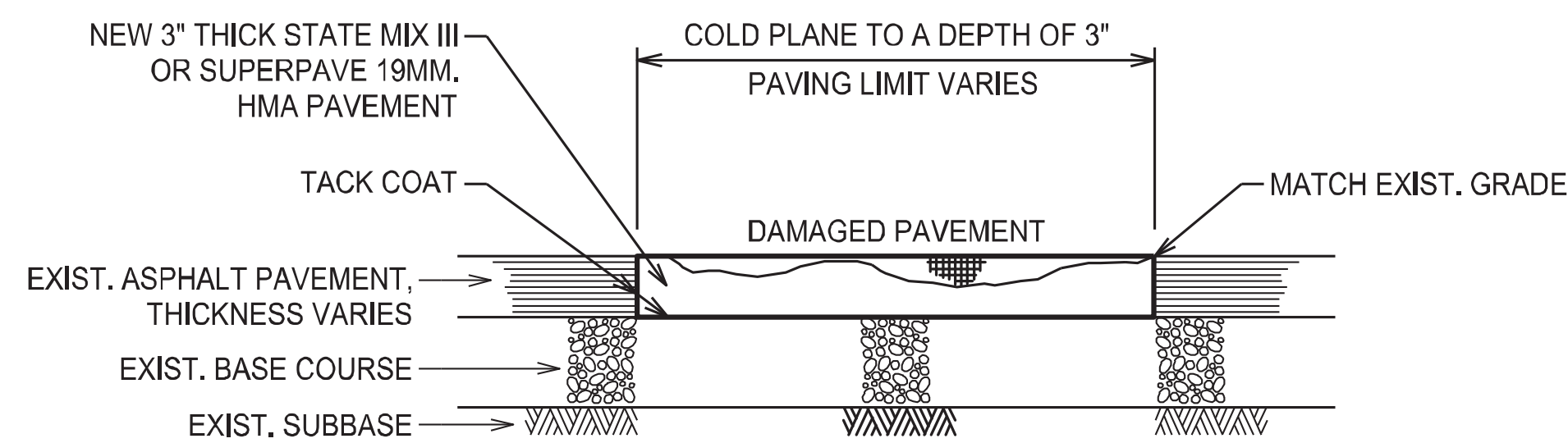
TYPE "A" REPAIR DETAIL

NOT TO SCALE



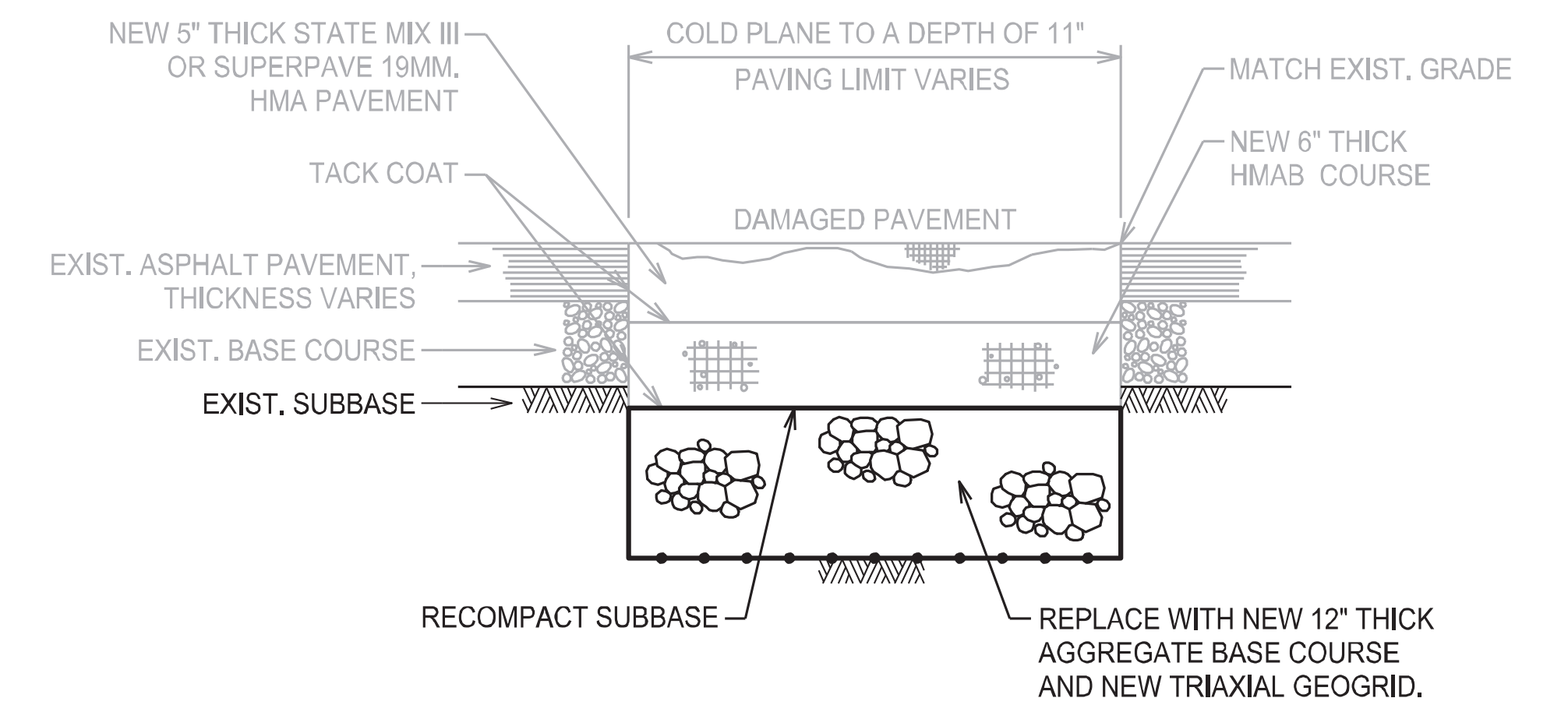
TYPE "B" REPAIR DETAIL

NOT TO SCALE



TYPE "C" REPAIR DETAIL

NOT TO SCALE



UNSUITABLE SUBBASE REPAIR DETAIL

NOT TO SCALE

REPAIR NOTES

TYPE "A" REPAIRS:

1. REMOVE EXISTING DAMAGED ASPHALT PAVEMENT AND BASE COURSE BY COLD-PLANING.
2. REWORK EXISTING SUBBASE (IF REQUIRED), IF EXISTING SUBBASE DEEMED UNSUITABLE, SEE "UNSUITABLE SUBBASE REPAIR DETAIL".
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 "B" 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 "C" 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 3-INCH THICK STATE MIX III OR SUPERPAVE 19MM HOT MIX ASPHALT (HMA) PAVEMENT.

UNSUITABLE SUBBASE REPAIR DETAIL:

1. REMOVE 12 INCHES OF EXISTING SUBBASE.
2. PLACE NEW TRIAXIAL GEOGRID.
3. PLACE 12 INCHES OF NEW AGGREGATE BASE COURSE.
4. RECOMPACT SUBBASE.

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SHEET TITLE GENERAL NOTES, NOTES FOR ENVIRONMENTAL PROTECTION, REPAIR NOTES AND DETAILS				
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