To request translation or disability-related accommodations, please contact us at **DTDcompliance@clackamas.us** | **503-742-4400**.

Si quiere solicitar servicios de traducción o adaptaciones para la discapacidad, contáctenos en/al **DTDcompliance@clackamas.us** | **503-742-4400**.

Чтобы запросить перевод или приспособления, связанные с инвалидностью, пожалуйста, свяжитесь с нами по:
DTDcompliance@clackamas.us | **503-742-4400**.

Щоб попросити переклад або спеціальні послуги для осіб з особливими потребами, зверніться до нас, скориставшись такими контактними даними:
DTDcompliance@clackamas.us | **503-742-4400**.

如需翻译服务或残障相关的协助，请与我们联系：
DTDcompliance@clackamas.us | **503-742-4400**。

Để yêu cầu dịch vụ dịch thuật hoặc điều chỉnh liên quan đến tình trạng khuyết tật, vui lòng liên hệ với chúng tôi qua **DTDcompliance@clackamas.us** | **503-742-4400.**

Clackamas County
www.clackamas.us

NOTES

1. THE USE OF CONTROL DENSITY FILL SHALL BE DETERMINED BY SECTION 710.8
2. THE EXISTING ACP SHALL BE SAWCUT THROUGH ENTIRE ACP SECTION PRIOR TO EXCAVATION.
3. BACKFILL IN THE PIPE ZONE SHALL BE PLACED IN MAXIMUM 6" COMPACTED LIFTS.
4. CDF SHALL BE A LOW STRENGTH, HIGHLY FLOWABLE MIXTURE OF PORTLAND CEMENT, POZZOLAN (FLY ASH), FINE AGGREGATES, WATER AND ADMIXTURES, IF NECESSSARY, WHICH RESULTS IN A HARDENED, DENSE NON-SETTLING, HAND EXCAVATABLE FILL. THE CDF SHALL NOT CONTAIN AGGREGATE LARGER THAN 3/8" IN TRENCHES LESS THAN 12" WIDE.
5. PORTLAND CEMENT, POZZOLAN, FINE AGGREGATES, WATER, AND ADMIXTURES SHALL CONFORM TO OREGON STANDARD SPECIFICATIONS, SECTION 00442, EXCEPT THAT PORTLAND CEMENT SHALL BE TYPE I-II OR II.
6. CDF MIX SHALL BE DESIGNED TO ENSURE THAT THE MATERIAL PLACED HAS A 28-DAY COMPRESSIVE STRENGTH OF 100 TO 200 PSI.
7. WHEN REQUIRED, THE COMPRESSIVE STRENGTH SHALL BE TESTED USING 4-INCH MORTAR CUBES PER AST C 109.
8. WITHIN 24 HOURS THE MATERIAL SHALL BE CAPABLE OF SUPPORTING VEHICULAR TRAFFIC WITH RUTTING PER AST C 109.
9. TRENCHES SHALL BE PROTECTED PER SECTION 710.8.E
10. WORK RESULTING IN IRREGULAR TRENCH WIDTHS OR INCIDENTAL DAMAGE TO THE ROADWAY SURFACE WILL REQUIRE ANOTHER SAWCUT AND SUBSEQUENT REMOVAL OF THE ACP. THE SAWCUT LINE SHALL BE APPROVED BY THE COUNTY PRIOR TO THE PLACEMENT OF PERMANENT SURFACE REPAIR.
11. RESTORE ACP SECTION WITH 4" HMAC LEVEL 3, PG 64-22, 1/2" DENSE GRADED AGGREGATE OR AN EQUAL THICKNESS OF THAT REMOVED WHICHEVER IS GREATER. ASPHALTIC CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF OREGON STANDARD SPECIFICATIONS SEC. 00744.40. ACP TO BE PLACED IN LIFTS BETWEEN 2 INCHES AND 3 INCHES IN THICKNESS.
12. ALL PAVING SHALL BE COMPLETED WITHIN 24 HOURS OF COMPLETING THE BACKFILL PROCESS UNLESS OTHER ARRANGEMENTS ARE MADE WITH THE INSPECTOR.
13. ALL PLATING & SIGNS SHALL REMAIN IN PLACE UNTIL PERMANENT SURFACE REPAIR PAVING OPERATIONS ARE UNDERWAY.
14. SUBMIT COPIES OF CDF MATERIAL DELIVERY SLIPS TO UTILITYPERMITS@CLACKAMAS.US WITHIN 10 DAYS OF PLACEMENT. REFERENCE THE PERMIT NUMBER.
15. DAMAGED SIGNAL DETECTOR LOOPS SHALL BE REPLACED IN THEIR ENTIRETY. NO SPLICING OF TRAFFIC LOOPS IS ALLOWED. ANY TRAFFIC LOOP THAT IS TUNNELED UNDER WILL REQUIRE A FULL DEPTH TRENCH BACKFILL WITH FLUID 200 PSI MAXIMUM STRENGTH CDF (CONTROLLED DENSITY FILL) A MINIMUM WIDTH OF 18" ON EACH SIDE OF THE TRAFFIC LOOP WIRE.
16. TRENCH COMPACTION SHALL BE 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN THE UPPER THREE FEET. COMPACTION EQUIPMENT MUST BE ON THE JOB SITE BEFORE EXCAVATION IS STARTED. COMPACTION EQUIPMENT, AS DEFINED IN ODOT SPECIFICATIONS, MUST BE CAPABLE OF COMPACTION WITHIN THE TRENCH WIDTH LIMITS TO PREVENT BRIDGING CAUSED BY STRADDLING THE DITCH.
17. A TEMPORARY PATCH OF COLD OR HOT MIX ASPHALT SHALL BE PLACED ON ALL HARD SURFACE CUTS IMMEDIATELY AFTER BACK FILLING HAS BEEN COMPLETED, PRIOR TO ALLOWING TRAFFIC OVER IT. GRAVEL MAY NOT BE USED AS A TEMPORARY PATCH.
18. IMMEDIATELY PRIOR TO PLACING THE FINAL ASPHALT WEARING SURFACE, THE EXISTING PAVEMENT SHALL BE CLEANED, CLEARED OF ALL LOOSE MATERIAL, AND COATED WITH HOT LIQUID ASPHALT TO ENSURE A BOND WITH THE NEW ASPHALT SURFACE. THE RESTORED PAVEMENT SHALL BE FINISHED TO A SMOOTH RIDING SURFACE AND TO THE GRADE OF THE SURROUNDING UNDISTURBED PAVEMENT. THE FINAL PAVEMENT JOINTS ARE TO BE SEALED AND SANDED.
19. SAWCUT EDGES TO BE TACKED WITH HOT LIQUID ASPHALT.
20. COMPLY WITH SMOOTHNESS REQUIREMENTS OF OREGON STANDARD SPECIFICATIONS SECTION 00744.70
21. CDF SHALL COMPLY WITH THE ODOT MANUAL OF FIELD TEST PROCEDURES, SECTION 00442.

REVISION	DATE	BY
REV 1	11/19	BP

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

CLACKAMAS COUNTY

APPROVAL DATE: 6/1/2020 SCALE: N.T.S.

NOTES FOR
U250A

STANDARD DRAWING
U250B