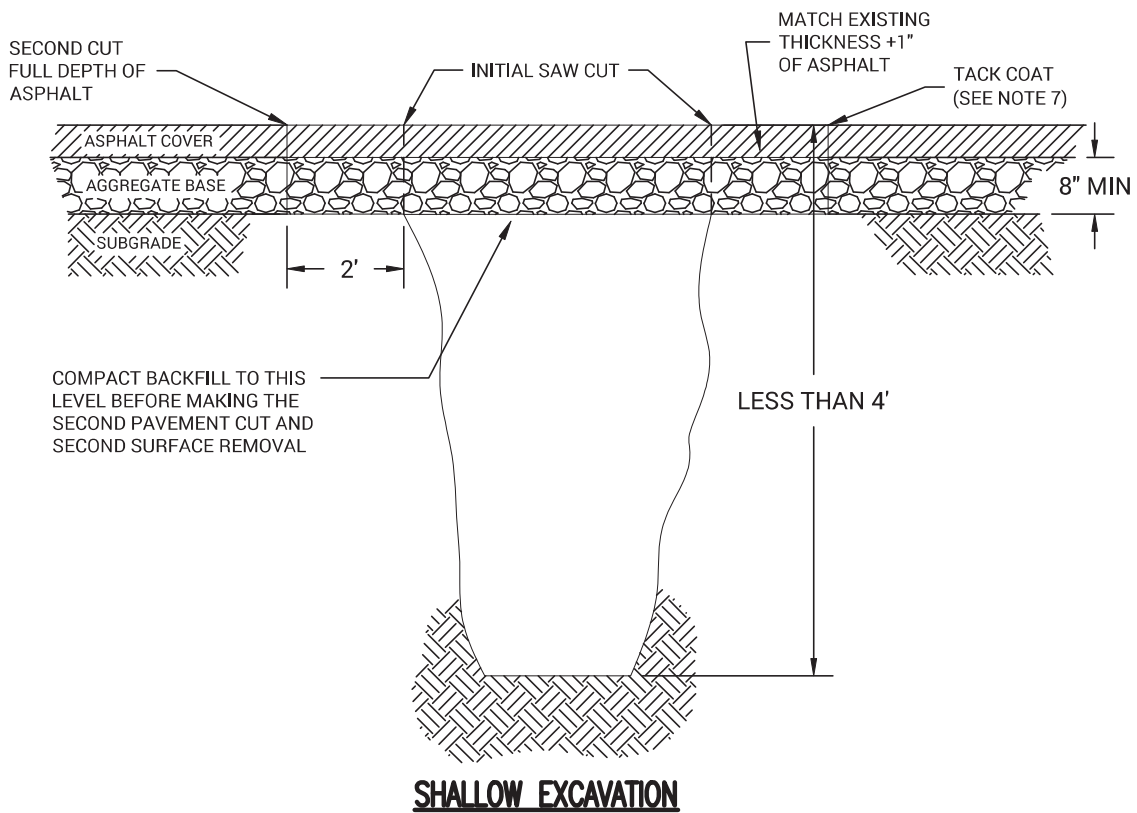
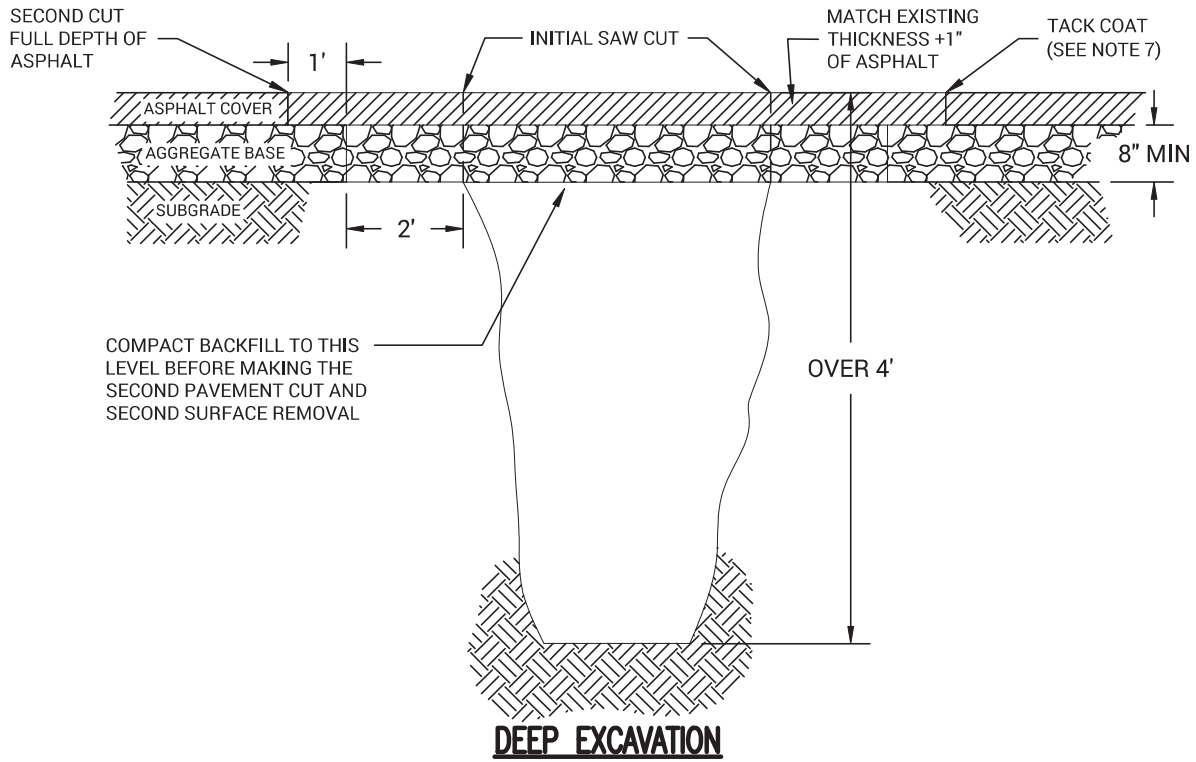




**Engineering Standards and
Drawings for**

Asphalt Package



OGDEN CITY ENGINEERING - STANDARD DRAWINGS



ASPHALT PATCH

RD-3

JUSTIN ANDERSON, CITY ENGINEER

SHEET 1 OF 2 | 2020

NOTES:

1. REMOVE ADDITIONAL PAVEMENT TO THE MENTIONED FEATURE IF IT IS WITHIN TWO FEET OF:
 - 1.1. A NEW SAWCUT
 - 1.2. A PAINTED LINE STRIPE
 - 1.3. A LIP OF GUTTER
 - 1.4. A CURB
 - 1.5. AN EXISTING PAVEMENT PATCH

2. ALL EXCAVATIONS WITHIN THE CITY RIGHT-OF-WAY REQUIRE AN EXCAVATION PERMIT FROM THE OGDEN CITY ENGINEERING DEPARTMENT.
 - 2.1. ALL WORK IN THE RIGHT-OF-WAY MUST BE PERFORMED BY A LICENSED CONTRACTOR FOR THE STATE OF UTAH WHO IS BONDED AND INSURED THROUGH OGDEN CITY.

3. NOTIFY UNDERGROUND SERVICE ALERT (BLUE STAKES) TWO (2) WORKING DAYS PRIOR TO THE START OF EXCAVATION AT 1 (800) 662-4111.

4. NOTIFY ENGINEERING DEPARTMENT ONE (1) WORKING DAY (24 HOURS) PRIOR TO START OF CONSTRUCTION TO ARRANGE INSPECTIONS BY CITY PUBLIC WORKS INSPECTORS.

5. ALL EXCAVATIONS SHALL BE MADE, PROTECTED, AND SUPPORTED AS REQUIRED FOR SAFETY BY OSHA REGULATIONS.

6. BASE COURSE: PROVIDE MATERIAL SPECIFIED IN APWA SECTION 32 11 23.
 - 6.1. PLACE MATERIAL PER APWA SECTION 32 05 10.
 - 6.2. COMPACT THE MATERIAL PER APWA SECTION 31 23 26. THE MINIMUM APPROVED COMPACTION SHALL BE 95 PERCENT OR GREATER. MAXIMUM LIFT THICKNESS BEFORE COMPACTION IS 8" WHEN USING RIDING EQUIPMENT AND 6" WHEN USING HAND HELD COMPACTION EQUIPMENT.

7. TACK COAT PER APWA SECTION 32 12 14. PROVIDE FULL TACK COAT COVERAGE ON ALL VERTICAL SURFACES.
 - 7.1. JOINT REPAIR: IF A CRACK OCCURS AT THE PATCH CONNECTION TO THE EXISTING PAVEMENT OR ANY STREET FIXTURE, SEAL THE CRACK PER APWA SECTION 32 01 17.

8. USE PLANT-MIX ASPHALT PAVING AS PER APWA 32 12 16.13 AND THE CURRENT EDITION OF THE OGDEN CITY STANDARDS.
 - 8.1. MATCH EXISTING THICKNESS PLUS ONE (1) INCH, MINIMUM OF FOUR (4) INCHES, BUT NOT TO EXCEED SEVEN (7) INCHES (OR AS SPECIFIED BY THE CITY ENGINEER).

9. REPAIR THE ASPHALT PAVEMENT IF ANY OF THE FOLLOWING CONDITIONS WITHIN THE PATCH OCCUR:
 - 9.1. PAVEMENT SURFACE DISTORTION EXCEEDS 1/4" DEVIATION IN 10'.
 - 9.1.1. REPAIR OPTION: PLANE OFF SURFACE DISTORTIONS. COAT PLANED SURFACES WITH A CATIONIC OR ANIONIC EMULSION THAT COMPLIES WITH APWA SECTION 32 12 93 AND PROVIDE SAND BLOTTER.
 - 9.2. CRACKS AT LEAST 1' IN LENGTH AND 1/4" WIDE OCCURRING MORE OFTEN THAN ONE (1) IN 10 SQUARE FEET.
 - 9.2.1. REPAIR OPTION: CRACK SEAL
 - 9.3. ASPHALT RAVELING IS GREATER THAN ONE (1) SQUARE FOOT PER 100 SQUARE FEET.
 - 9.3.1. REPAIR OPTION: MILL AND INLAY

10. ALL PAVING, RESURFACING OR REPLACEMENT OF STREET FACILITIES:
 - 10.1. ON MAJOR OR COLLECTOR STREETS SHALL BE DONE WITHIN THREE (3) CALENDAR DAYS.
 - 10.2. ON ALL OTHER STREETS SHALL BE DONE IN WITHIN SEVEN (7) CALENDAR DAYS FROM THE TIME THE EXCAVATION COMMENCES.

OGDEN CITY ENGINEERING - STANDARD DRAWINGS

	ASPHALT PATCH	RD-3
	JUSTIN ANDERSON, CITY ENGINEER	SHEET 2 OF 2 2020

K. Asphalt Road Patch

1. A traffic control plan shall be submitted to and approved by the Ogden City Traffic Engineer prior to any work in the Right-of-Way.
2. Patching and potholes requires a ½" 50 Gyration, PG 58-28. Maximum recycled asphalt content cannot exceed 15%.
3. Recently chip sealed roadway shall be under a three year and recently constructed roads shall be under a five year moratorium. Any pavement removal during the moratorium must have the approval of the City Engineer and require:
 - a. A 50 foot (50') road patch on either side of the trench. This trench shall span across the entire width of the roadway.
 - b. If the road has a chip seal coat:
 - 1) The chip seal coat shall be reapplied by the developer or contractor.
4. If multiple road cuts are required for a site plan or a subdivision then:
 - 1) The patch shall encompass all trenches and shall extend across the entire roadway.
5. Additional pavement removal shall be required- if the edge of patch is within two feet (2') of:
 - a. Painted stripe
 - b. Lip of gutter
 - c. A curb
 - d. An existing pavement patch
 - e. Another saw cut
 - f. Poor conditioned asphalt near the new patch
6. Asphalt pavement shall be placed when the temperature is greater than 50 degrees Fahrenheit and rising by 10:00 a.m.
 - a. Cease paving if air temperature falls below 50 degrees Fahrenheit.
7. The new patch shall have the following associated thickness:
 - a. 8" UTBC required for all patch and repair work.
 - b. Match existing asphalt thickness plus one inch (1").
 - 1) Minimum asphalt patch thickness shall be four inches (4").
 - 2) Maximum asphalt patch thickness shall be eight inches (8").
8. If concrete is encountered below asphalt, follow APWA standard plan number 255 for Composite Restoration.
9. Compact the asphalt to a relative density of 94 percent (94%) per ASTM D 2041 with no density test results less than 92 percent (92%) or higher than 96 percent (96%).
 - a. Complete compaction before asphalt temperature drops below 220 degrees Fahrenheit.
 - b. Refer to APWA section 32 12 16.13 *Plant-Mix Asphalt Paving* for lift thickness tolerance.
10. Tack coat coverage shall be applied on all surfaces.
11. All cuts for patching, over cuts, shall have crack seal applied.
 - a. Crack seal may also be required around the trench area to preserve the roadway.

L. Pavement Markings

1. Pavement and curb markings shall be the responsibility of the contractor with the approval from Ogden City.
 - a. A pavement markings plan shall be submitted to the Traffic Engineer for approval.
2. Pavement markings shall be placed when the temperature is greater than 55 degrees Fahrenheit and rising by 10:00 a.m.
 - a. Cease marking if air temperature falls below 55 degrees Fahrenheit.