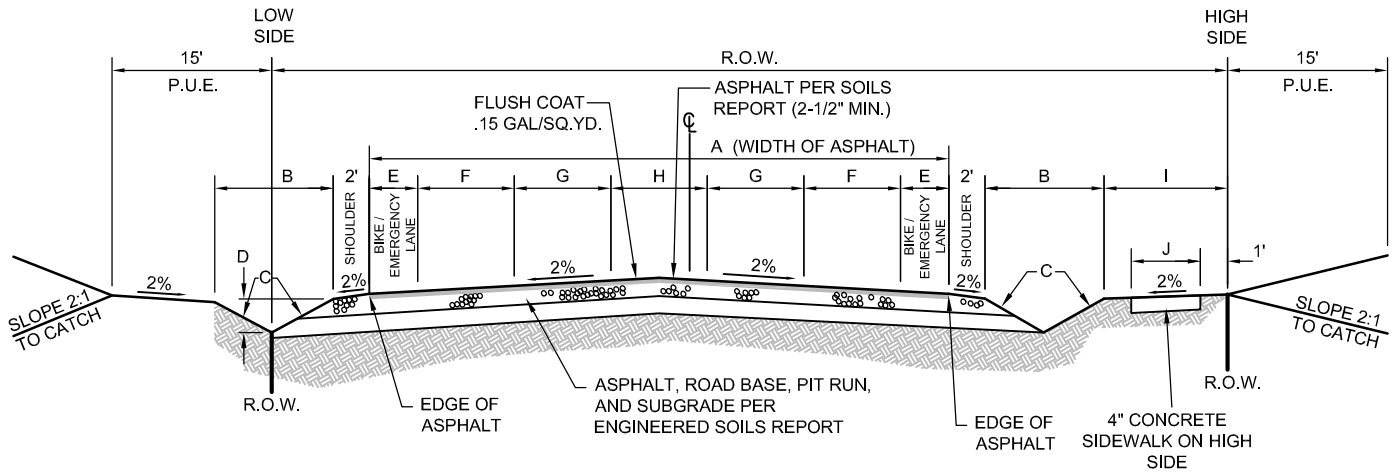


**NOTES:**

1. THIS DETAIL IS ALLOWED IN THE RESIDENTIAL ESTATES (RE) ZONE WHEN THE ROAD SLOPE IS LESS THAN 5%.
2. THIS DETAIL IS ALLOWED ON EXISTING ROADS IN ALL ZONES THAT HAVE A CENTERLINE GRADE <0.4% (UNLESS THERE IS EXISTING C&G ON THE OPPOSITE SIDE, OR IF THERE IS EXISTING C&G DOWNSTREAM THAT WILL NEED TO BE TIED INTO.)
3. THE ROAD MUST HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.25%, WITH AN EXCEPTION AT INTERSECTIONS TO GO FLATTER AS LONG AS 2% CROSS-SLOPE IS MAINTAINED FOR DRAINAGE.
4. RIPRAP WITH 8 OZ. NON-WOVEN GEOTEXTILE FABRIC IS REQUIRED IN LOCATIONS WHERE UTILITIES COULD BE IMPACTED BY SCOUR. RIPRAP WITH FABRIC IS REQUIRED AT ALL WATER METERS, FIRE HYDRANTS, AND STREET LIGHTS TO PREVENT SCOUR.
5. REFER TO DETAIL R4C FOR DRIVEWAY ACCESS. 15-INCH CULVERT MUST BE RCP DUE TO MINIMAL COVER.
6. AREAS IN RE ZONE WITH SLOPES GREATER THAN 5% WILL REQUIRE FULL IMPROVEMENTS OF CURB, GUTTER & SIDEWALK.
7. A DRAINAGE STUDY IS REQUIRED TO ENSURE THAT THE DRAINAGE IS CONTROLLED PROPERLY. STORM DRAIN PIPES WILL BE REQUIRED IF THE BORROW DITCHES CANNOT HANDLE THE DRAINAGE.
8. IF A MASTER-PLANNED TRAIL IS REQUIRED, THEN USE DETAIL R4F.
9. 4-INCH THICK CONCRETE SIDEWALK SHALL BE INSTALLED PER DETAIL C6, TYPICALLY ON THE HIGH SIDE OF THE ROAD. SIDEWALKS AT DRIVEWAY CROSSINGS MUST BE 6 INCHES THICK REINFORCED WITH #4 BARS @ 16" O.C. BOTH WAYS.
10. WATER METERS, FIRE HYDRANTS, AND STREET LIGHTS SHALL BE LOCATED IN THE STANDARD LOCATION ON THE SIDEWALK SIDE. ON THE OPPOSITE SIDE, THESE UTILITIES SHALL BE LOCATED AT LEAST 10 FEET OUTSIDE THE ROW AT AN ELEVATION AT LEAST AS HIGH AS THE ADJACENT EDGE OF ASPHALT.
11. MINIMUM ASPHALT THICKNESS IS 2-1/2", MINIMUM COMPACTED ROAD BASE THICKNESS IS 6", AND MINIMUM COMPACTED PIT RUN MATERIAL THICKNESS IS 8". PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION. COMPACTED SUBGRADE THICKNESS SHALL BE ACCORDING TO THE SOILS REPORT.
12. ROAD CROWN IS OFFSET FROM R.O.W. CENTERLINE.



**MASTER-PLANNED TYPICAL RURAL ROAD  
SECTIONS w/ SIDEWALK ON ONE SIDE**

N.T.S.

STREET	ROW	A	B	C	D	E	F	G	H	I	J
MAJOR COLLECTOR	66'	34'	15'	1:5	1.5'	5'	0'	12'	0'	5.5'	4'
MINOR ARTERIAL	77'	44'	15'	1:5	1.5'	5'	0'	11'	12'	6.5'	5'
MAJOR ARTERIAL	100'	66'	15'	1:5	1.5'	5'	11'	11'	12'	7.5'	6'

SHEET NO.  
**R4E**  
FILE:  
R04E

**MASTER-PLANNED TYPICAL ROAD  
SECTIONS w/ SIDEWALK ON ONE SIDE**

REVISIONS		DATE	DESCRIPTION	BY
11/2021	DETAIL R4E ADDED TO STANDARDS			J.A.S.

**CEDAR CITY**  
10 NORTH MAIN STREET  
CEDAR CITY, UTAH 84720  
PH. (435) 698-2943

SCALE:  
N.T.S.  
DRAWN:  
T.B.M.

DATE:  
12/2021  
CHECKED:  
J.A.S.