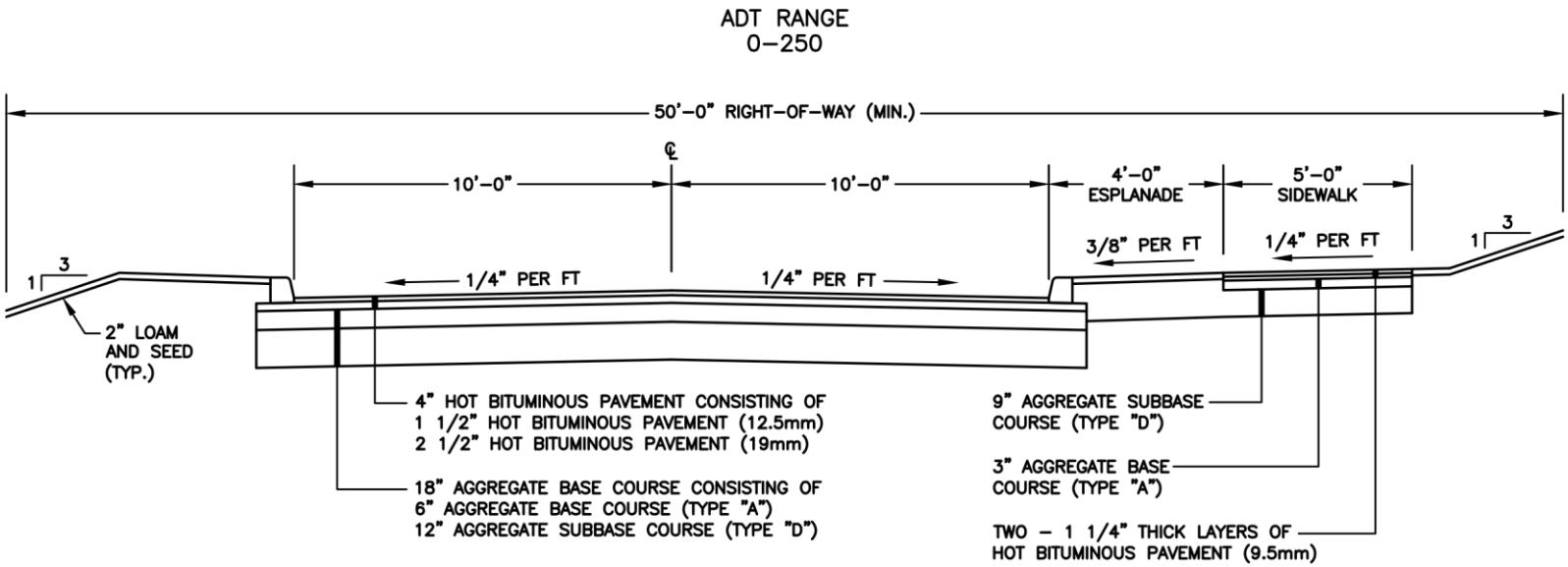
City of Belfast

Street Design Figures

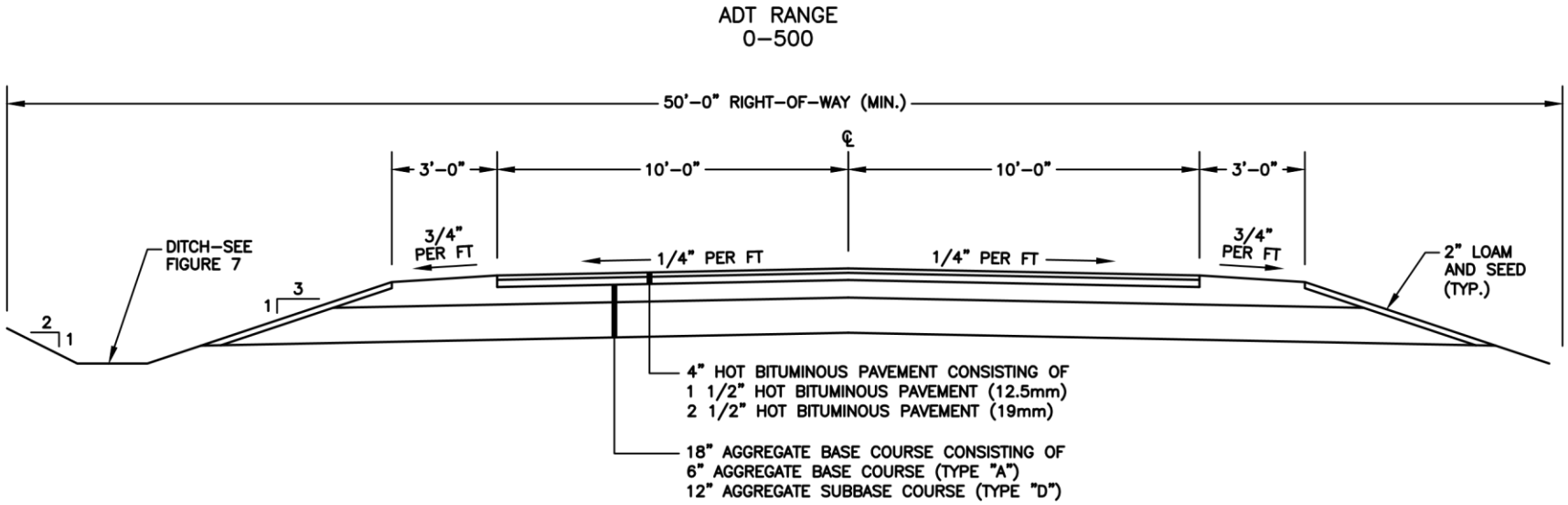
Figure 1 – Urban Lane Section



NOTES:

1. Concrete curb shall be in accordance with MaineDOT specifications, Section 609. The final curb reveal shall be 6 1/2", Therefore an 8" curb mold shall be used to place the curb on the binder course.
2. Loam and seed shall be in accordance with MaineDOT specifications, Section 615 (Loam) and Section 618 (Seeding), apply seeding Method #1 in lawn areas, Method #2 in other areas.
3. Aggregate base and subbase shall be in accordance with MaineDOT specifications, Section 304.
4. Hot bituminous pavement shall be in accordance with MaineDOT specifications, Division 400.
5. Aggregate in section shown must be drained by using underdrain or extending the base to a ditch.
6. If no roadway parking is permitted, and posted speed is not more than 25 mph; then the ADT range now becomes 0-500. Roadway width shown is the minimum allowed.
7. Sidewalk aggregate may also be 12" of Type "A" Gravel.

Figure 1A – Rural Lane Section



NOTES:

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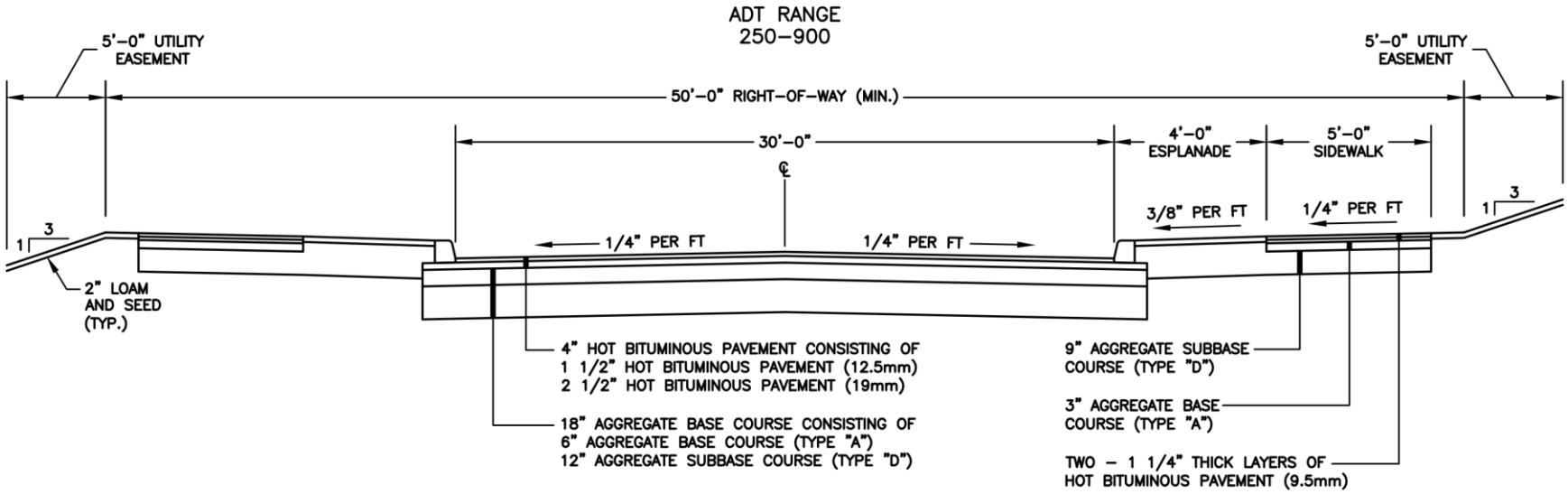
2. Aggregate base and subbase shall be in accordance with MaineDOT specifications, Section 304.
3. Hot bituminous pavement shall be in accordance with MaineDOT specifications, Division 400.
4. No roadway parking is permitted. Outside of the urban compact zone with a posted speed of not more than 40 mph; then this design can be used where an ADT range of 0-900 is expected. Roadway and Shoulder width shown is the minimum allowed.

Figure 2 – Residential Street Section



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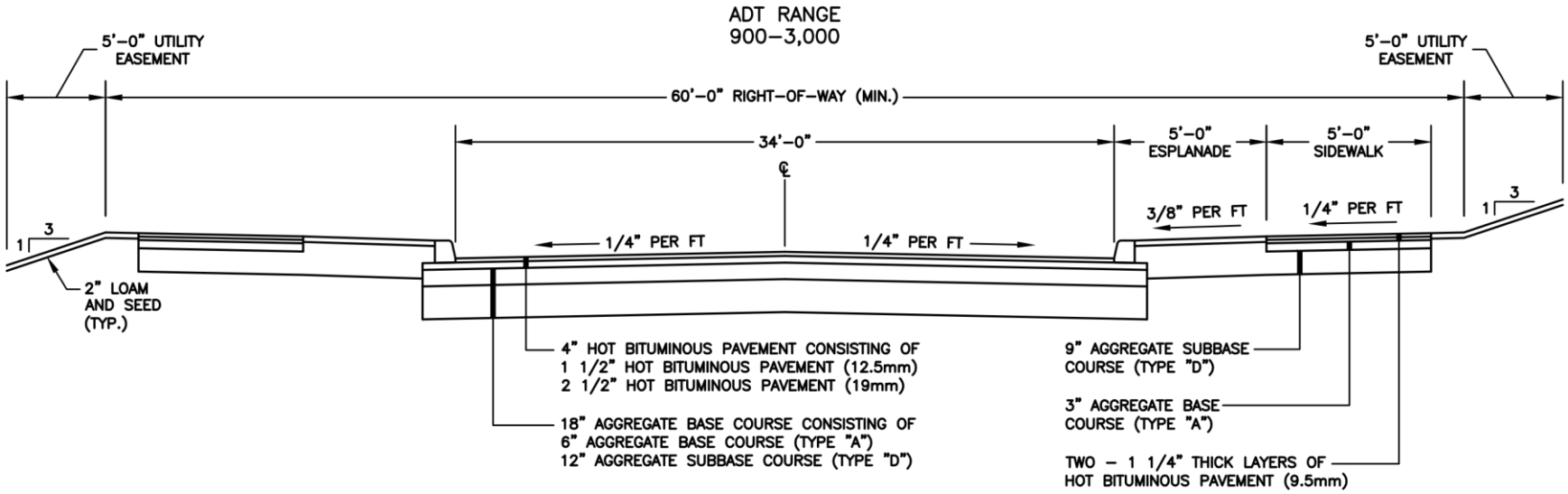
4. Hot bituminous pavement shall be in accordance with MaineDOT specifications, Division 400.
5. Aggregate in section shown must be drained by using underdrain or extending the base to a ditch.
6. Sidewalk aggregate may also be 12" of Type "A" Gravel.

Figure 3 – Collector Street Section



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6. Sidewalk aggregate may also be 12" of Type "A" Gravel.

Figure 4 – Industrial and Commercial Street Section

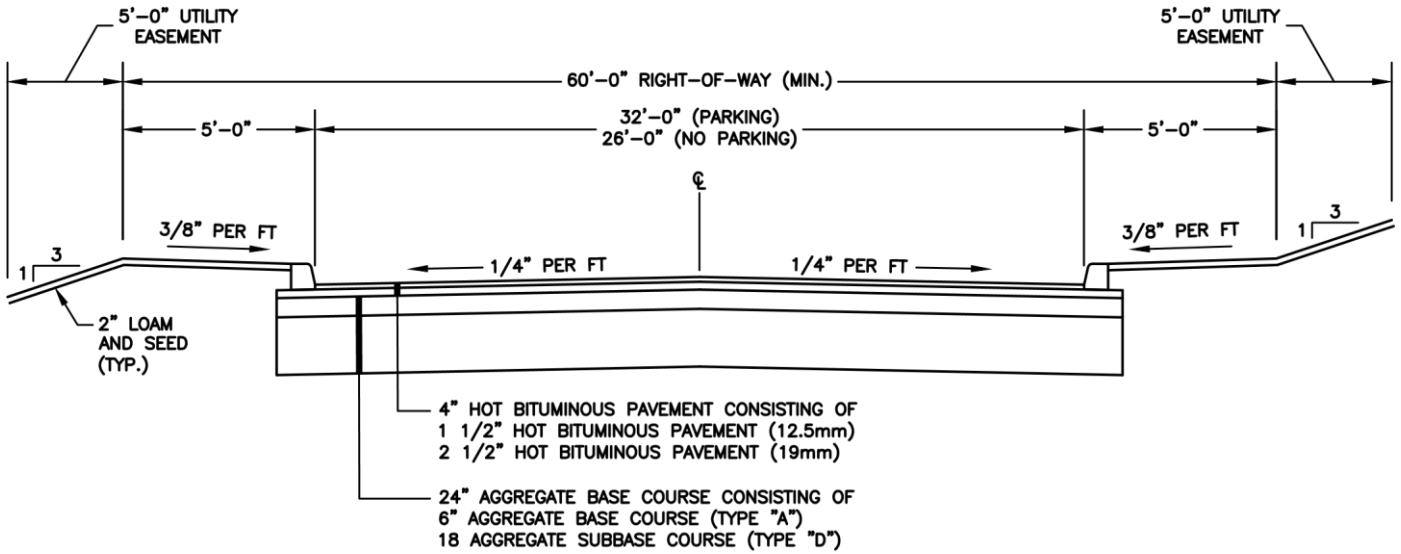

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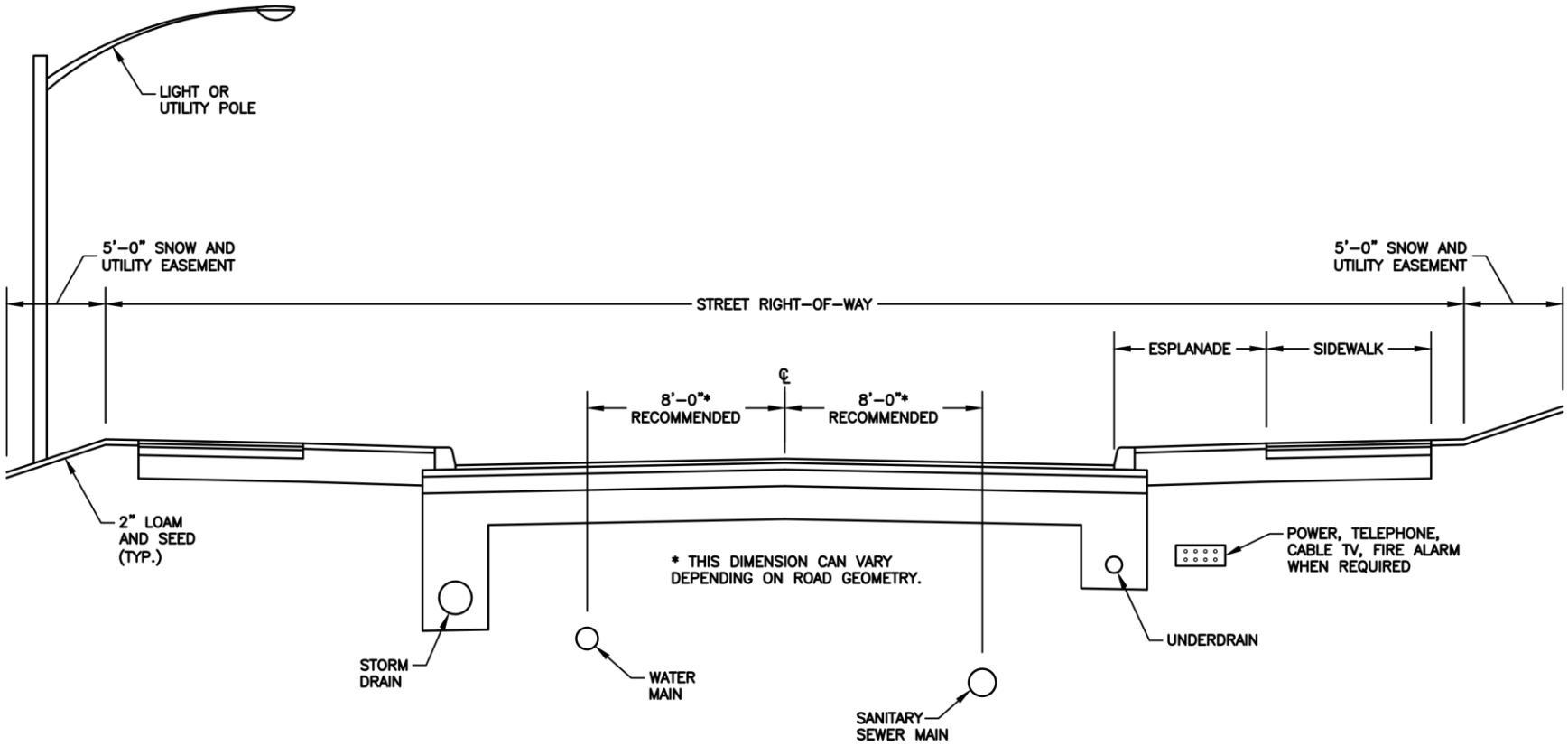
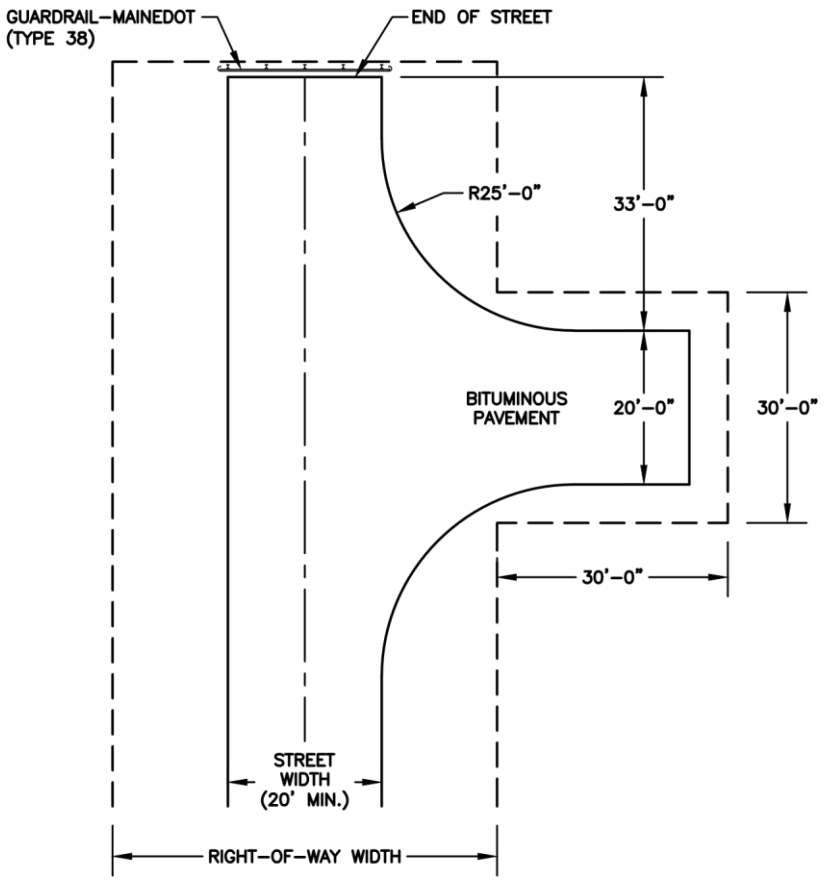
Figure 5 – Location of Utilities



NOTES:

1. Wired utilities shall be placed under the esplanade(s) adjacent to the street and shall be no less than 30” deep, when required. If design is completed by utility, submit to City for review.
2. Depth of sanitary and storm sewers shall be in accordance with Belfast Sewer Ordinance standards.
3. Depth and sizing of water mains shall be in accordance with Belfast Water District standards.
4. Warning tape shall be placed 12” below finished grade in the trench above each utility as it is being installed.
5. The location of these utilities may be changed with the approval of the City Engineer. Any deviation of these utilities from the above standard layout will require an as-built survey plan of the utilities, to be placed on file with the City as a requirement for final acceptance of the project.

Figure 6 – T Turnaround Detail



NOTES:

1. This configuration to be utilized for both temporary or approved permanent T configuration turnaround.

Figure 6A – Cul-De-Sac Detail

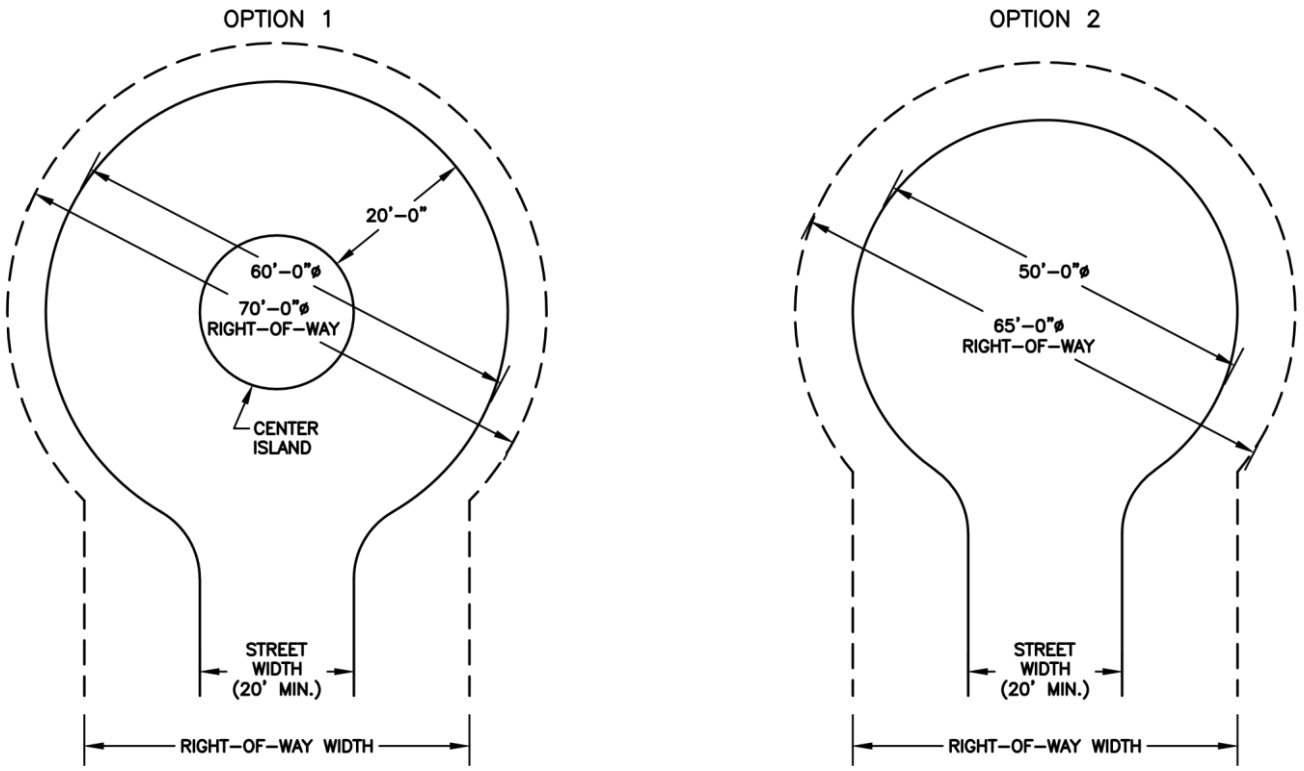
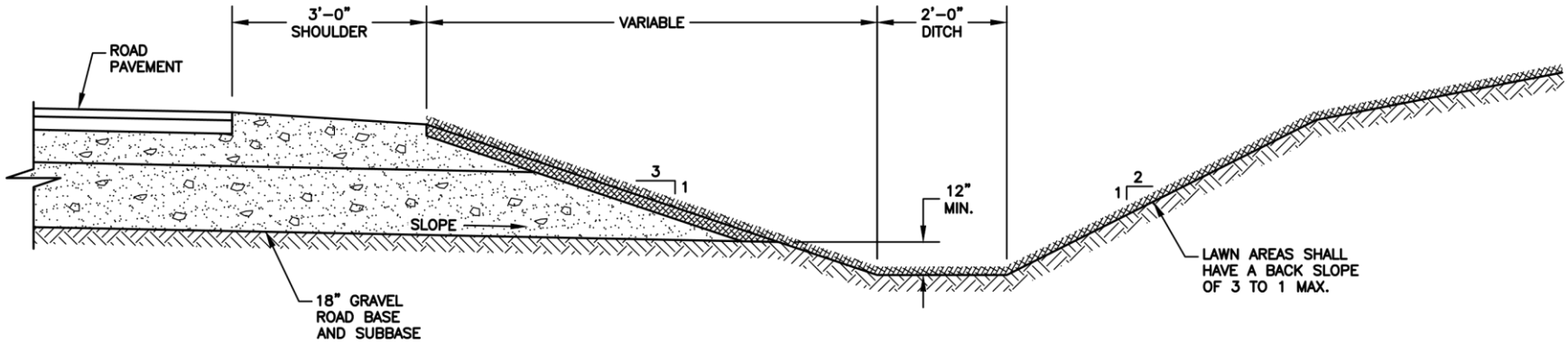


Figure 7 – Road Ditch Section



NOTES:

1. Slopes and ditches shall be loamed and seeded with a minimum of 2" loam and mulched.
2. Ditches shall have a slope of no less than 1.5% and ditches with slopes greater than 6% shall be lined with erosion control fabric (or other approved methods).
3. Ditch grades between minimum stated above and 0.5% will be allowed if strict construction control is adhered to and is approved by the City Engineer.
4. A bottom of ditch width of 1' will be allowed if strict construction control is adhered to, calculations are provided to prove that the ditch can handle the flow and approved by the City Engineer.
5. Bottom elevation of ditch to be one foot below the bottom of the gravel road subbase elevation.
6. Back slope grades of ditches may be 2 to 1 if site topography significantly increases limits of disturbance if approved by City Engineer.