## APPENDIX B

## STREET DESIGN AND CONSTRUCTION STANDARDS

Table 1 Minimum Sight Distance Standards for Subdivision Accesses

|  | Sight Distance |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Posted Speed | Standard Vehicle | Larger Vehicle | Mobility |
|  |  |  |  |
| 20 | 155 | 230 | n/a |
| 25 | 200 | 300 | n/a |
| 30 | 250 | 375 | n/a |
|  |  |  |  |
| 35 | 305 | 455 | n/a |
| 40 | 360 | 540 | 580 |
| 45 | 425 | 635 | 710 |
| 50 | 495 | 740 | 840 |
| 55 | 570 | 955 | 990 |
| 60 | 645 |  | 1150 |

Posted Speed figures are in Miles Per Hour (MPH)
Sight Distance figures are in feet (ft.)

Table 2 Access Design Standards for Low and Medium Volume Accesses

| Basic Standards |  | Low Volume | Medium Volume |
| :---: | :---: | :---: | :---: |
| Min. Access Width:* |  |  |  |
|  | Majority Passenger Vehicles | 12 | 22 |
|  | >30\% Larger Vehicles | 30 | 30 |
| Min. Corner Clearance To:** |  |  |  |
|  | Unsignalized Intersection | 75 | 100 |
|  | Signalized Intersection | 125 | 125 |
| Min. Access Spacing: *** |  |  |  |
|  | MPH of External Road |  |  |
|  | 35 or less | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
|  | 40 | 175 | 175 |
|  | 45 | 265 | 265 |
|  | 50 | 350 | 350 |
|  | 55 or more | 525 | 525 |

* Minimum widths for low or medium volume accesses shall be either the minimum cross section width of the internal subdivision street or the minimum access width in Table 2, whichever width is greater.
** Minimum corner clearance shall be the distance mesured from the edge of an internal subdivision access excluding radii to the edge of an external street excluding radii.
*** Minimum access spacing shall be the distance measured from the edge of an internal subdivision access excluding radii to the edge of a neighboring access excluding radii.

Table 3 Design and Construction Standards for Town Streets or Private Ways

|  | Major <br> Local Street | Minor <br> Local Street | Minor <br> Item |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Ind./Comm. |  |  |  |  |  |$\quad$| Major |
| :---: |
| Private Road |

## Additional Standards:

(1) See Section 911 (M) for street connection requirements.
(2) Add 8' of width for each lane of on-street parking.
(3) See Section911 (M)(5)(b)(6) for shoulder and sidewalk requirements.
(4) Angle must be maintained for at lease 60 ' from the intersection.
(5) Maximum grade must be maintained for at least 60 ' from the intersection.
(6) A negative $2.0 \%$ grade from the existing edge of pavement must be provided to an appropriate drainage way that is no less than 5 feet from the travel surface or private way it intersects.

| Material Local | Major Local Street | Minor Local Street | Ind./Comm. | Major Private Road | Minor <br> Private Road |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Surface Type | Paved | Paved | Paved | Paved | Gravel |
| Aggregate Sub-Base Courses |  |  |  |  |  |
| Type D* | 21" | 21" | 27" | 21" | 18" |
| Crushed Aggregate Base Course** | $3 \prime$ | $3 "$ | 3" | $3 "$ | $3 "$ |
| Hot Bituminous Pavement |  |  |  |  |  |
| Total Thickness Compacted | 5" | 4" | 5" | 4" | n/a |
| Base Course, HMA 19.0mm | 3.5 " | 2.5 " | 3.5 " | 2.5 " | n/a |
| Surface Course, HMA 9.5mm | n/a | 1.5" | n/a | 1.5" | n/a |
| Surface Course, HMA 12.5mm | 1.5" | n/a | 1.5" | n/a | n/a |
| Paved Apron |  |  |  |  |  |
| Aggregate Sub-Base Courses |  |  |  |  |  |
| Type D |  |  |  |  | 18" |
| Type B |  |  |  |  | n/a |
| Crushed Aggregate Base Course** |  |  |  |  | $3 "$ |
| Hot Bituminous Pavement |  |  |  |  | $3 "$ |
| Bituminous Concrete Sidewalk: |  |  |  |  |  |
| Crushed Aggregate Base Course | 10" | 10" | 10" | n/a | n/a |
| Pavement Surface Course*** | (2)-1.25" | (2)-1.25" | (2)-1.25" | n/a | n/a |

## Notes:

$(\#)=$ Required number of courses.

* The Planning Board or Director of Public Works, as appropriate, may reduce the required depth of ASCG Type D from
a geotechnical evaluation performed by a professional engineer. The evaluation must include gradations, California Bearing Ratios, and a design
(based on AASHTO design methods) which indicates that 21" of ASCG Type D will be adequate to handle the estimated vehicular weight loads.
** Material shall be Crushed Aggregate Base Course, Type A, or Reclaimed asphalt approved by the Public Works Department.
**Material shall be HMA 9.5 mm .


MAJOR LOCAL STREEI
NOT TO SCALE


MINOR LOCAL STREET
NOT TO SCALE


## MAJOR PRIVATE ROAD

NOT TO SCALE


## NOTES:

1. RECLAMED MATERIAL APPROVED BY THE PUBUC WCRKS DEPARTMENT MAY BE SUBSTITUTED.
2. CURE SHALL MEET THE REOUIREVENTS OF ORDNNANCE SECTION 9OON.5.(b).(3). ONLY VERTICAL CURB IS ALLOWED ADJACENT TO VERTICAL
SIDEWALK.
3. REFER TO ADDITIONAL STANDARDS IN ORDINANCE SECTIONS 544, 900 M AND APPENDIX B, TABLES 3 AND 4.

MINOR PRIVATE ROAD
NOT TO SCALE


## INDUSTRIAL/COMMERCIAL STREEI

NOT TO SCALE

NOTES:

1. REFER TO ORDINANCE SECTIONS 500.B.B.(f).(2) AND $900 . \mathrm{M} .5 .(\mathrm{b})$.(5).(b) FOR HAMMERHEAD DESIGN CRITERA.


HAMMERHEAD
NOT TO SCALE


LOCAL STREET CUL-DE-SAC
NOT TO SCALE

