NOTES:

1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1

5) ENGINEERED PAVEMENT DESIGN REQUIRED. GRAVEL BASE DEPTH MAY BE REDUCED TO LESS THAN THE MINIMUMS SHOWN, BASED ON AN APPROVED ENGINEERED PAVEMENT DESIGN. CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

6) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

NOT TO SCALE

Pierce County
Planning & Public Works
Office of the County Engineer

APPROVED BY:
COUNTY ENGINEER

DATE

ARTERIAL WITH CEMENT CONCRETE TRAFFIC CURB AND GUTTER AND SIDEWALK, CLOSED DRAINAGE
STANDARD DRAWING PC.A1.1
NOTES:
1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.
3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.
4) FOR CURBS, SEE STANDARD DRAWING PC.FB.1.
5) BUFFER TO BE NATIVE VEGETATION, GRASS OR GROUND COVER NOT TO EXCEED 24" IN HEIGHT ABOVE THE ROADWAY SURFACE, AS APPROVED BY ENGINEER. SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.
6) ENGINEERED PAVEMENT DESIGN REQUIRED. GRAVEL BASE DEPTH MAY BE REDUCED TO LESS THAN THE MINIMUMS SHOWN, BASED ON AN APPROVED ENGINEERED PAVEMENT DESIGN. CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.
7) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

(POT TO SCALE)
NOTES:
1) NO SIDEWALK ALLOWED WITHOUT BUFFER IN LIEU OF SHOULDER, SEE STANDARD DRAWING PC.A1.4.
2) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.
3) ENGINEERED PAVEMENT DESIGN REQUIRED. GRAVEL BASE DEPTH MAY BE REDUCED TO LESS THAN THE MINIMUMS SHOWN, BASED ON AN APPROVED ENGINEERED PAVEMENT DESIGN. CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.
4) ALTERNATE SHOULDER MATERIAL, 2" COMPACTED DEPTH OF EITHER CRUSHED SURFACING TOP COURSE OR CRUSHED SURFACING BASE COURSE. RECYCLED MATERIAL SHALL NOT BE ALLOWED IN THE SHOULDER SURFACING.
5) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

ALTERNATE SHOULDER SECTION FOR COLLECTOR ARTERIALS

NOT TO SCALE

Pierce County
Planning & Public Works
Office of the County Engineer

APPROVED BY:
COUNTY ENGINEER

DATE

ARTERIAL WITH ASPHALT CONCRETE BARRIER CURB AND SHOULDER, CLOSED DRAINAGE
STANDARD DRAWING PC.A1.3
NOTES:

1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.

5) BUFFER TO BE NATIVE VEGETATION, GRASS OR GROUND COVER NOT TO EXCEED 24" IN HEIGHT ABOVE THE ROADWAY SURFACE, AS APPROVED BY ENGINEER. SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

6) ENGINEERED PAVEMENT DESIGN REQUIRED. GRAVEL BASE DEPTH MAY BE REDUCED TO LESS THAN THE MINIMUMS SHOWN, BASED ON AN APPROVED ENGINEERED PAVEMENT DESIGN. CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

7) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

NOT TO SCALE

ARterial with asphalt concrete barrier curb, buffer and sidewalk, closed drainage

STANDARD DRAWING PC.A1.4

Pierce County
Planning & Public Works
Office of the County Engineer

APPROVED BY:
COUNTY ENGINEER

DATE

4-1-19
NOTES:

1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PCF7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.

5) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

6) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

Pierce County
Planning & Public Works
Office of the County Engineer

LOCAL ROAD FEEDER WITH
CEMENT CONCRETE TRAFFIC CURB
AND GUTTER AND SIDEWALK,
CLOSED DRAINAGE

STANDARD DRAWING PC.A2.1
NOTES:

1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.FB.1.

5) BUFFER TO BE NATIVE VEGETATION, GRASS OR GROUND COVER NOT TO EXCEED 24" IN HEIGHT ABOVE THE ROADWAY SURFACE, AS APPROVED BY ENGINEER. SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

6) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

7) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

LOCAL ROAD FEEDER WITH CEMENT CONCRETE TRAFFIC CURB AND GUTTER, BUFFER AND SIDEWALK, CLOSED DRAINAGE

STANDARD DRAWING PC.A2.2

APPROVED BY: COUNTY ENGINEER

DATE: 4-1-19
NOTES:

1) FOR CURBS, SEE STANDARD DRAWING PC.FB.1.

2) SHOULDER MATERIAL, 2" COMPACTED DEPTH OF EITHER CRUSHED SURFACING TOP COURSE OR CRUSHED SURFACING BASE COURSE. RECYCLED MATERIAL SHALL NOT BE ALLOWED IN THE SHOULDER SURFACING.

3) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

4) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.
NOTES:

1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PCF7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.

5) BUFFER TO BE NATIVE VEGETATION, GRASS OR GROUND COVER NOT TO EXCEED 24" IN HEIGHT ABOVE THE ROADWAY SURFACE, AS APPROVED BY ENGINEER. SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

6) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

7) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.
NOTES:

1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PCF7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.

5) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

6) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

LOCAL ROAD MINOR AND CUL-DE-SAC WITH CEMENT CONCRETE TRAFFIC CURB AND GUTTER AND SIDEWALK, CLOSED DRAINAGE

STANDARD DRAWING PC.A3.1
NOTES:

1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.

5) BUFFER TO BE NATIVE VEGETATION, GRASS OR GROUND COVER NOT TO EXCEED 24" IN HEIGHT ABOVE THE ROADWAY SURFACE, AS APPROVED BY ENGINEER. SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

6) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

7) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

NOT TO SCALE}

LOCAL ROAD MINOR AND CUL-DE-SAC WITH CEMENT CONCRETE TRAFFIC CURB AND GUTTER, BUFFER AND SIDEWALK, CLOSED DRAINAGE

STANDARD DRAWING PC.A3.2

Pierce County
Planning & Public Works
Office of the County Engineer

4-1-19

APPROVED BY:
COUNTY ENGINEER

DATE
NOTES:

1) FOR CURBS, SEE STANDARD DRAWING PC.FB.1.

2) SHOULDER MATERIAL, 2" COMPACTED DEPTH OF EITHER CRUSHED SURFACING TOP COURSE OR CRUSHED SURFACING BASE COURSE. RECYCLED MATERIAL SHALL NOT BE ALLOWED IN THE SHOULDER SURFACING.

3) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

4) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

LOCAL ROAD MINOR AND CUL-DE-SAC WITH ASPHALT CONCRETE RAISED EDGE AND SHOULDER, CLOSED DRAINAGE

STANDARD DRAWING PC.A3.3
NOTES:
1) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

2) FOR PAVED WALKWAY, SEE STANDARD DRAWING PC.F7.1.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.FB.1.

5) BUFFER TO BE NATIVE VEGETATION, GRASS OR GROUND COVER NOT TO EXCEED 24" IN HEIGHT ABOVE THE ROADWAY SURFACE, AS APPROVED BY ENGINEER. SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

6) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

7) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

NOT TO SCALE
NOTES:

1) PARKING SHALL BE PROVIDED ON ONE SIDE OF THE STREET ONLY.

2) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.

5) CRUSHED SURFACING BASE COURSE MAY BE USED IN place OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

6) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

NOT TO SCALE

Pierce County
Planning & Public Works
Office of the County Engineer

LOCAL ROAD MINOR WITH PARKING,
CEMENT CONCRETE TRAFFIC CURB
AND GUTTER AND SIDEWALK,
CLOSED DRAINAGE

STANDARD DRAWING PC.A3.5

APPROVED BY:
COUNTY ENGINEER

DATE: 4-1-19
NOTES:

1) FOR SIDEWALK RAMPS, SEE STANDARD DRAWING PC.FB.4 AND PC.FB.5. CEMENT CONCRETE CURB RAMP TYPE 1 PC (PERPENDICULAR). RAMPS ARE TYPICALLY LOCATED AT THE 1/4 RADIUS POINTS.

2) SEE STANDARD DRAWING PC.A3.5 FOR LOCAL ROAD MINOR WITH PARKING DETAILS.

CEMENT CONCRETE CURB RAMP TYPE 2 PC (PARALLEL)

Pierce County
Planning & Public Works
Office of the County Engineer

LOCAL ROAD MINOR WITH PARKING, CEMENT CONCRETE TRAFFIC CURB AND GUTTER AND SIDEWALK, CLOSED DRAINAGE OPTION 1

APPROVED BY: COUNTY ENGINEER

DATE: 4-1-19

STANDARD DRAWING PC.A3.6
NOTES:

1) FOR SIDEWALK RAMPS, SEE STANDARD DRAWING PC.F8.4 AND PC.F8.5, CEMENT CONCRETE CURB RAMP TYPE 1 PC (PERPENDICULAR). RAMPS ARE TYPICALLY LOCATED AT THE 1/4 RADIUS POINTS.

2) SEE STANDARD DRAWING PC.A3.5 FOR LOCAL ROAD MINOR WITH PARKING DETAILS.
NOTES:

1) SAFETY EDGE SHALL BE PLACED AT EDGE OF PAVEMENT, SEE STANDARD DRAWING PC.A10.3.

2) SHOULDER MAY BE PAVED FOR:
   MAJOR ARTERIALS;
   SECONDARY ARTERIALS IN URBAN AREAS;
   SECONDARY ARTERIALS IN RURAL AREAS WITH SPEED LIMITS OVER 35 MPH.
   SHOULD PAVING SECTION MUST BE THE SAME AS ROAD SECTION AND SHALL INCLUDED SAFETY EDGE AT EDGE OF PAVEMENT.

3) SHOULDER MATERIAL, 2' COMPACTED DEPTH OF EITHER CRUSHED SURFACING TOP COURSE OR CRUSHED SURFACING BASE COURSE. RECYCLED MATERIÀL SHALL NOT BE ALLOWED IN THE SHOULDER SURFACING.

4) ENGINEERED PAVEMENT DESIGN REQUIRED. GRAVEL BASE DEPTH MAY BE REDUCED TO LESS THAN THE MINIMUMS SHOWN, BASED ON AN APPROVED ENGINEERED PAVEMENT DESIGN. CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

5) DRAINAGE NEEDS TO MEET REQUIREMENTS OF PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

(NOT TO SCALE)
NOTES:

1) SAFETY EDGE SHALL BE PLACED AT EDGE OF PAVEMENT, SEE STANDARD DRAWING PC.A10.3.

2) SHOULDER MATERIAL, 2" COMPACTED DEPTH OF EITHER CRUSHED SURFACING TOP COURSE OR CRUSHED SURFACING BASE COURSE. RECYCLED MATERIAL SHALL NOT BE ALLOWED IN THE SHOULDER SURFACING.

3) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

4) DRAINAGE NEEDS TO MEET REQUIREMENTS OF PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

NOT TO SCALE

Pierce County
Planning & Public Works
Office of the County Engineer

LOCAL ROAD
FEEDER OR MINOR,
OPEN DRAINAGE

41-1-19

APPROVED BY:
COUNTY ENGINEER

STANDARD DRAWING PC.A4.2
NOTES:

1) SAFETY EDGE SHALL BE PLACED AT EDGE OF PAVEMENT, SEE STANDARD DRAWING PC.A10.3.

2) SHOULDER MATERIAL, 2" COMPACTED DEPTH OF EITHER CRUSHED SURFACING TOP COURSE OR CRUSHED SURFACING BASE COURSE. RECYCLED MATERIAL SHALL NOT BE ALLOWED IN THE SHOULDER SURFACING.

3) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

4) DRAINAGE NEEDS TO MEET REQUIREMENTS OF PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

(approved by: county engineer)

LOCAL ROAD
CUL-DE-SAC,
OPEN DRAINAGE

STANDARD DRAWING PC.A4.3
NOTES:
1) LENGTH MEASURED ALONG CENTER LINE; SHALL BE A MINIMUM 100 FEET AND A MAXIMUM 1,000 FEET.
2) RADIUS OF CUL-DE-SAC TO FLOW LINE OF ASPHALT RAISED EDGE = 41 FEET.
NOTES:
1) LENGTH MEASURED ALONG CENTER LINE; SHALL BE A MINIMUM 100 FEET AND A MAXIMUM 1,000 FEET.
2) RADIUS OF CUL-DE-SAC TO FLOW LINE OF ASPHALT RAISED EDGE = 41 FEET.
3) MAXIMUM OFFSET: X' = 40 - Y/2
4) PIERCE COUNTY STANDARD MONUMENT TO BE INSTALLED AT BOTH THE CENTER OF THE CUL-DE-SAC AND AT THE OFFSET POINT ON THE CENTERLINE OF THE STEM.

Pierce County
Planning & Public Works
Office of the County Engineer

PERMANENT CUL-DE-SAC
WITH OFFSET

STANDARD DRAWING PC.A5.2

5-2-19
DATE
NOTES:

1) TEMPORARY CUL-DE-SAC IS REQUIRED WHEN THE LENGTH MEASURED ALONG CENTERLINE IS GREATER THAN 100 FEET.

2) PAVEMENT STRUCTURE OF CROSS HATCHED AREA OF CUL-DE-SAC SHALL BE IDENTICAL TO ROAD PAVEMENT STRUCTURE.

3) SLOPE CROSS HATCHED SECTIONS A MINIMUM OF 2% TOWARD ROAD. PAVEMENT TO COME LEVEL WITH EDGE OF PAVEMENT OR CONCRETE ROLLED CURB.

4) END ASPHALT CONCRETE BARRIER CURB OR CEMENT CONCRETE TRAFFIC CURB AND GUTTER AND SIDEWALK AT THIS POINT, EACH SIDE.

5) CONTINUE ASPHALT CONCRETE RAISED EDGE OR CEMENT CONCRETE ROLLED CURB AND SIDEWALK THROUGH THE TEMPORARY CUL-DE-SAC AREA TO THE END OF PAVEMENT, EACH SIDE.

(BNOT TO SCALE)
TEMPORARY END OF ROAD TREATMENT

CASE 1 - STANDARD APPLICATION

* MIN. OF ONE PLANT PAST EDGE OF PAVEMENT.
ALL PLANTS TO BE SPACED MAX. 4' O.C. AS SHOWN ABOVE.

DETAL
TEMPORARY END OF ROAD TREATMENT
TYPE 3 BARRICADE - CASE 2

NOTES:
1) EXTEND TO EDGE OF PAVEMENT, MINIMUM CONDITION, OR FURTHER AS NECESSARY TO HAVE A 4 FT. PANEL, TYPICAL.
2) 48 IN. X 12 IN. HIGH INTENSITY BARRICADE PANELS WITH ALTERNATING RED AND WHITE STRIPES INSTALLED FACING TRAFFIC.
   STRIPES SHALL BE 6 INCHES WIDE AND ALIGNED DIAGONALLY AS SHOWN, TYPICAL.
NOTES:
1) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.
2) THE SECTIONS ENTERING AND EXITING THE CURVE OF A ROADWAY MUST BE TANGENT AND A MINIMUM OF 50 FEET.
NOTES:

1) FOR CURB SEE STANDARD DRAWING PC.FB.1. FOR CURB TRANSITIONS, SEE STANDARD DRAWINGS PC.FB.2 AND PC.FB.3.

2) FOR ADDITIONAL INTERSECTION INFORMATION, SEE SECTION 5-3 OF THE PIERCE COUNTY DESIGN GUIDELINES MANUAL.

LEGEND

* FLOW LINE ELEVATIONS (REQUIRED ON PLANS)

- RIGHT OF WAY LINE
- 10' TRANSITION
- ASPHALT CONCRETE BARRIER CURB (ONLY FOR LOCAL ROAD MINOR WITH OPEN DRAINAGE)
- EDGE OF PAVEMENT OR FLOW LINE
- STANDARD PIERCE COUNTY MONUMENT
- 6 ELEVATION (TYP)
- RIGHT OF WAY LINE

NOT TO SCALE
DETAIL FOR HOT MIX ASPHALT (HMA) / BST
PAVEMENT UTILITY ROAD CUTS

SEE NOTE 6
SEE NOTE 7
SEE NOTE 8
SEE NOTE 9
SEE NOTE 10
SEE NOTE 2
SEE NOTE 3
SEE NOTE 4
SEE NOTE 5
SEE NOTE 1
SEE NOTE 3
SEE NOTE 4
SEE NOTE 5

EXISTING HMA / BST
PAVEMENT
EXISTING PCC
EXIST. GROUND
OR SUBGRADE
36" MIN.
36" MIN.

(SEE STANDARD DRAWING PC.A7.2 FOR NOTES AND PERMEABLE PAVEMENT ALTERNATIVES)

NOT TO SCALE

Pierce County
Public Works
Office of the County Engineer
Tacoma Mall Office Building
4301 South Pine Street, Suite 628
Tacoma, Washington 98409-7207
An APWA Accredited Agency

BRIAN D. STACY, P.E.
COUNTY ENGINEER

UTILITY PATCH

Sheet 1 of 2

PC.A7.1
NOTES:

1) HOT MIX ASPHALT (HMA) CL. 1/2 IN. PG 64-22, WITH MINIMUM COMPACTED DEPTH OF 3" OR EXISTING PAVEMENT DEPTH PLUS 1", WHICHER IS GREATER. PLACE IN LIFTS WITH A MAXIMUM COMPACTED DEPTH OF 3" PER WSDOT STANDARD SPECIFICATIONS 5-04, AND MACHINE ROLL FLUSH WITH EXISTING PAVEMENT.

2) PORTLAND CEMENT CONCRETE PAVEMENT WITH A STANDARD PAVING SECTION EQUAL TO THE EXISTING PAVEMENT DEPTH. PLACE PER WSDOT STANDARD SPECIFICATIONS 2-05. THE ENGINEER MAY SPECIFY THE DESIGN AGE. ANY ASPHALT CONCRETE COVERING THE PORTLAND CEMENT CONCRETE SHALL BE CUT BACK AN ADDITIONAL 4" AND REPLACED WITH HMA CL. 1/2 IN. PG 64-22, COMPACTED TO A DEPTH EQUAL TO THAT OF THE EXISTING ASPHALT CONCRETE PAVEMENT, OR PUT CBSC AS PREFERRED ALTERNATIVE.

3) CRUSHED SURFACING TOP COURSE MATCHING EXISTING 2" MINIMUM DEPTH, COMPACTED TO 95% MAXIMUM DENSITY.

4) IMPORTED OR NATIVE MATERIAL COMPACTED TO 95% MAXIMUM DENSITY. THE MATERIAL SHALL BE ESSENTIALLY FREE FROM VARIOUS TYPES OF WOOD WASTE OR OTHER EXTRANEOUS OR OBJECTIONABLE MATERIALS. IT SHALL HAVE SUCH CHARACTERISTICS OF SIZE AND SHAPE THAT IT WILL COMPACT READILY AND SHALL MEET THE FOLLOWING TEST REQUIREMENTS:

   SIEVE SIZE        PERCENT PASSING
   4" SQUARE          100
   2" SQUARE          75-100
   U.S. No. 4          22-100
   U.S. No. 200         0-10

   DUST RATIO: % PASSING U.S. No. 200  2/3 MAX. % PASSING U.S. No. 40
   SAND EQUIVALENT
   30 MIN.

   ALL PERCENTAGES ARE BY WEIGHT. THE MATERIAL RETAINED ON A U.S. No. 4 SIEVE SHALL CONTAIN NOT MORE THAN 0.20 PERCENT BY WEIGHT OF WOOD WASTE. ANY NATIVE MATERIAL USED SHALL BE TESTED FOR COMPACTION AND/OR GRADATION AS REQUIRED BY THE ENGINEER.

5) BEDDING MATERIAL COMPACTED TO 95% MAXIMUM DENSITY SHALL CONSIST OF CRUSHED, PROCESSED, OR NATURALLY OCCURRING GRANULAR MATERIAL. IT SHALL BE FREE FROM VARIOUS TYPES OF WOOD WASTE OR OTHER EXTRANEOUS OR OBJECTIONABLE MATERIALS. IT SHALL HAVE SUCH CHARACTERISTICS OF SIZE AND SHAPE THAT IT WILL COMPACT AND SHALL MEET THE FOLLOWING SPECIFICATIONS FOR GRADING AND QUALITY:

   SIEVE SIZE        PERCENT PASSING
   1-1/2" SQUARE      100
   1" SQUARE          75-100
   5/8" SQUARE         50-100
   U.S. No. 6          20-80
   U.S. No. 40          3-24
   U.S. No. 200       10.0 MAX

   SAND EQUIVALENT    35 MIN.

   IF, IN THE OPINION OF THE ENGINEER, THE NATIVE GRANULAR MATERIAL IS FREE FROM WOOD WASTE, ORGANIC MATERIAL, AND OTHER EXTRANEOUS OR OBJECTIONABLE MATERIALS, BUT OTHERWISE DOES NOT CONFORM TO THE SPECIFICATIONS FOR GRADING AND SAND EQUIVALENT, IT MAY BE USED FOR PIPE BEDDING FOR RIGID PIPES, PROVIDED THE NATIVE GRANULAR MATERIAL HAS A MAXIMUM DIMENSION OF 1-1/2 INCHES. DEPTH OF MATERIAL SURROUNDING PIPE SHALL BE ADEQUATE TO SUPPORT THE PIPE AND TRENCH.

   BEDDING MATERIAL FOR SANITARY SEwerS - PEA GRAVEL, BEDDING SHALL BE A CLEAN, SOUND, FREE DRAINING, AND GRANULAR MATERIAL CONFORMING TO THE FOLLOWING GRADATION:

   SIEVE SIZE        PERCENT PASSING
   3/4" SQUARE        100
   3/8" SQUARE         90-100
   U.S. No. 4          50-100
   U.S. No. 10          0-95
   U.S. No. 20          0-85
   U.S. No. 40          0-55
   U.S. No. 100         0-10
   U.S. No. 200          0-3

   ALL PERCENTAGES ARE BY WEIGHT.

6) NEAT, UNIFORM AND VERTICAL CUT (TYPICAL BOTH SIDES). CLEAN AND HEAT EDGES AND TACK WITH EMULSIFIED ASPHALT. SEAL JOINT WITH HOT ASPHALT CEMENT.

7) NEAT, UNIFORM AND VERTICAL CUT (TYPICAL BOTH SIDES).

8) DRILL 7/8" Ø TO 1" Ø x 12" HOLE AND SET #5 X 24" EPOXY-COATED TIE BARS WITH EPOXY RESIN INTO THE EXISTING PAVEMENT PARALLEL TO ROADWAY CENTERLINE ALONG THE TRANSVERSE VERTICAL CUT SPACED AT 18" ON CENTER (TYPICAL BOTH SIDES).

9) MINIMUM RESTORATION LIMITS FOR HMA UNLESS OTHERWISE DETERMINED BY THE ENGINEER. IF ANY PORTION OF A LONGITUDINAL PAVEMENT CUT AFFECTS A WHEEL TRACK AS DETERMINED BY THE ENGINEER, THE ENTIRE LANE SHALL BE REMOVED AND REPLACED. WHEREVER AN EXISTING PATCH OR CRACK IS IN CLOSE PROXIMITY TO THE NEW CUT, THE ENGINEER MAY REQUIRE REMOVAL OF THE EXISTING PATCH OR CRACK AND ANY INTERVENING PAVEMENT. DEPTH OF REPLACEMENT ASPHALT SHALL BE IN ACCORDANCE WITH NOTE 1.

10) MINIMUM RESTORATION LIMITS FOR PCC UNLESS OTHERWISE DETERMINED BY THE ENGINEER. REMOVE ENTIRE PANEL UNLESS WIDTH OF REMAINING PANEL PORTION IS GREATER THAN 50% OF THE EXISTING PANEL WIDTH. IF ANY PORTION OF A LONGITUDINAL PAVEMENT CUT AFFECTS A WHEEL TRACK AS DETERMINED BY THE ENGINEER, THE ENTIRE LANE SHALL BE REMOVED AND REPLACED. WHEREEVER AN EXISTING PATCH OR CRACK IS IN CLOSE PROXIMITY TO THE NEW CUT, THE ENGINEER MAY REQUIRE REMOVAL OF THE EXISTING PATCH OR CRACK AND ANY INTERVENING PAVEMENT. IF THE ENTIRE PANEL IS NOT REMOVED, FOLLOW ASPHALT CONCRETE UTILITY PATCH PROCEDURES WITH AN ASPHALT CONCRETE PAVING DEPTH EQUAL TO THE DEPTH OF THE EXISTING PAVEMENT.

11) ALL PERMANENT FINAL PATCHES SHALL BE RECTANGULAR OR CIRCULAR IN SHAPE AND CONSTRUCTED TO BE PARALLEL AND PERPENDICULAR TO THE ROAD CENTERLINE.

12) CONTROLLED DENSITY FILL (CDF) SHALL BE REQUIRED ON ROADWAYS WHERE DIFFICULT SUBSURFACE CONDITIONS ARE ANTICIPATED AND SHALL BE PLACED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS 2-09-3(1)(E).

13) FOR PERMEABLE PAVEMENT ALTERNATIVES SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL. MINIMUM RESTORATION LIMITS DETERMINED BY THE ENGINEER.
NOTES:

1) STORM DRAINAGE FACILITIES MUST BE INSTALLED PER THE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

2) PIERCE COUNTY TRAFFIC OPERATIONS TO BE CONTACTED BEFORE STRIPING IS DONE.

3) ADD 50 FEET FOR EACH ADDITIONAL BUS IN LOADING AREA.

4) EXISTING ROAD WITH LANES LESS THAN 12 FEET WIDE MUST BE WIDENED AS NECESSARY TO ACCOMMODATE THE BUS TURNOUT.

5) INSTALL CURB TRANSITION(S) TO EXISTING SHOULDER(S). SEE STANDARD DRAWING PC.F8.2.

6) IF EXISTING ROAD HAS EXISTING CURB AND GUTTER AND SIDEWALK, CONTINUE THESE TO MEET BUS TURNOUT CURB AND GUTTER AND SIDEWALK.

7) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2.
NOTES:

1) NO ON STREET PARKING ALLOWED.

2) FOR CURBS, SEE STANDARD DRAWING PC.FB.1.

3) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

NOT TO SCALE
NOTES:

1) PARKING SHALL BE PROVIDED ON ONE SIDE OF THE STREET ONLY.

2) FOR SIDEWALK, SEE STANDARD DRAWING PC.F7.1 AND PC.F7.2. SIDEWALKS SHALL MEET AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

3) SIDEWALKS ARE REQUIRED ON BOTH SIDES OF THE NEWLY CONSTRUCTED OR RECONSTRUCTED ROADS. HOWEVER, WHEN IT CAN BE SHOWN THAT THERE ARE NO PRESENT OR FUTURE PEDESTRIAN NEEDS TO BE SERVED, THE COUNTY ENGINEER OR HIS/HER DESIGNEE MAY WAIVE THE REQUIREMENT TO BUILD SIDEWALK ON ONE SIDE OF THE ROAD.

4) FOR CURBS, SEE STANDARD DRAWING PC.F8.1.

5) CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

6) FOR ALTERNATIVE STORM DRAINAGE SYSTEMS SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

7) BUFFER AREA TO BE VARIETY OF NATIVE VEGETATION TYPES AND SIZES IN AREAS WHERE SIGHT DISTANCE IS NOT AN ISSUE, AS APPROVED BY ENGINEER. SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

(Please note, the diagram is not to scale.)
NOTES:

1) FOR CURB RAMPS, SEE STANDARD DRAWING PC.F8.4 AND PC.F8.5.
CEMENT CONCRETE CURB RAMP TYPE 1 PC (PERPENDICULAR).
RAMPS ARE TYPICALLY LOCATED AT THE 1/4 RADIUS POINTS.

2) SEE STANDARD DRAWING PC.A9.2 FOR NEIGHBORHOOD STREET DETAILS.

3) WHERE SIDEWALK IS NARROWER THAN 5'-0" IN WIDTH, PROVIDE AT
INTERVALS OF 200', SECTIONS WHERE SIDEWALK IS AT LEAST 5'-0" WIDE FOR
A LENGTH OF 5', TO ALLOW FOR PASSING SPACE REQUIRED BY ADA.

(45')

CEMENT CONCRETE CURB
RAMP TYPE 2 PC WITH
BUFFER (PARALLEL)
NOTES:

1) FOR CURB RAMPS, SEE STANDARD DRAWING PC.F8.4 AND PC.F8.5.
CEMENT CONCRETE CURB RAMP TYPE 1 PC (PERPENDICULAR).
RAMPS ARE TYPICALLY LOCATED AT THE 1/4 RADIUS POINTS.

2) SEE STANDARD DRAWING PC.A9.2 FOR NEIGHBORHOOD STREET DETAILS.

3) WHERE SIDEWALK IS NARROWER THAN 5' IN WIDTH, PROVIDE AT
INTERVALS OF 200', SECTIONS WHERE SIDEWALK IS AT LEAST 5' WIDE FOR
A LENGTH OF 5', TO ALLOW FOR PASSING SPACE REQUIRED BY ADA.

(NOT TO SCALE)
NOTES:

1) AREA OF EMERGENCY VEHICLE TURNAROUND SHALL BE IN COMMON OPEN SPACE AREAS AND BE GRASS--CRETE OR OTHER PERMEOUS SURFACES.

2) SMALL LOT DEVELOPMENT STREETS SHALL NOT EXCEED 150 FEET IN LENGTH WITHOUT AN EMERGENCY VEHICLE TURNAROUND OR THROUGH CONNECTION TO ANOTHER ROAD.

NOTES:

1) 20’ FOR NEIGHBORHOOD STREET
    18’ FOR ACCESS LANE

2) SIGHT DISTANCE SHALL BE MAINTAINED AT ALL HORIZONTAL CURVES.

3) ALLOWABLE USES WITHIN THE CENTER OF TURNAROUNDS:
   - STORMWATER FACILITY
   - RECREATION AREA / PLAYGROUND
   - BIORETENTION FACILITIES
   - LANDSCAPING WITH NATIVE VEGETATION, AS APPROVED BY ENGINEER
   USES SHALL NOT BLOCK SIGHT DISTANCES AROUND HORIZONTAL CURVES.
   SEE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.

4) SEE STANDARD DRAWINGS PC.A9.1, PC.A9.2, PC.A9.3 AND PC.A9.4 FOR ADDITIONAL
   NEIGHBORHOOD STREET AND ACCESS LANE DETAILS.

Pierce County
Public Works
Office of the County Engineer
Tacoma Mall Office Building
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An APWA Accredited Agency

BRIAN D. STACY, P.E.
COUNTY ENGINEER

NEIGHBORHOOD STREET &
ACCESS LANE
TURNAROUND
ALTERNATIVES
(SMALL LOT DEVELOPMENT)

Office of the County Engineer
PC.A9.6
NOTES:

1) SECTION COULD VARY FROM CEMENT CONCRETE TRAFFIC CURB, GUTTER, AND SIDEWALK; ASPHALT CONCRETE BARRIER CURB AND SHOULDER; OR SHOULDER SECTION FOR OPEN DRAINAGE.

2) PFELEVELING AND GRINDING MAY BE NECESSARY TO MEET CROSS SLOPE.

3) NON-CONFORMING CENTERLINE AND CROWN PROFILE MAY REQUIRE THE OVERLAY OF THE ENTIRE ROADWAY.

4) ENGINEERED PAVEMENT DESIGN REQUIRED FOR ARTERIAL ROADWAYS. GRAVEL BASE DEPTH MAY BE REDUCED TO LESS THAN THE MINIMUMS SHOWN, BASED ON AN APPROVED ENGINEERED PAVEMENT DESIGN. CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

5) GRIND EXISTING PAVEMENT TO A MINIMUM OF 2" FOR EXISTING HMA DEPTHS 3" OR GREATER. MAXIMUM GRINDING DEPTH FOR EXISTING HMA DEPTHS LESS THAN 3" SHALL BE 1".

6) HMA DEPTH FOR WIDENING WIDTH TO EQUAL HMA DEPTH OF EXISTING ROAD PRISM OR 3" MINIMUM, WHICHEVER IS GREATER.

(PREVIOUSLY DRAWN):

WIDENING AND OVERLAY
WHEN WIDENING OCCURS ON ONE SIDE OF THE ROADWAY ONLY

STANDARD DRAWING PC.A10.1

APPROVED BY:
COUNTY ENGINEER

DATE: 4-1-19
1) SECTION COULD VARY FROM CEMENT CONCRETE TRAFFIC CURB, GUTTER, AND SIDEWALK; ASPHALT CONCRETE BARRIER CURB AND SHOULDER; OR SHOULDER SECTION FOR OPEN DRAINAGE.

2) PRELEVELING AND GRINDING MAY BE NECESSARY TO MEET CROSS SLOPE.

3) ENGINEERED PAVEMENT DESIGN REQUIRED FOR ARTERIAL ROADWAYS. GRAVEL BASE DEPTH MAY BE REDUCED TO LESS THAN THE MINIMUMS SHOWN, BASED ON AN APPROVED ENGINEERED PAVEMENT DESIGN. CRUSHED SURFACING BASE COURSE MAY BE USED INSTEAD OF THE CRUSHED SURFACING TOP COURSE AND GRAVEL BASE.

4) GRIND EXISTING PAVEMENT TO A MINIMUM OF 2" FOR EXISTING HMA DEPTHS 3" OR GREATER. MAXIMUM GRINDING DEPTH FOR EXISTING HMA DEPTHS LESS THAN 3" SHALL BE 1”.

5) HMA DEPTH FOR WIDENING WIDTH TO EQUAL HMA DEPTH OF EXISTING ROAD PRISM OR 3" MINIMUM, WHICHEVER IS GREATER.

(WHEN WIDENING OCCURS ON BOTH SIDES OF THE ROADWAY)

STANDARD DRAWING PC.A10.2
NOTES:
1) SUBGRADE BELOW PERMEABLE PAVEMENT SECTION TO BE COMPACTED TO 90-92% (STANDARD PROCTOR) AND BE FIRM AND UNYielding.
2) SUBGRADE BELOW IMPERMEABLE PAVEMENT SECTION TO BE COMPACTED TO 95% MINIMUM (STANDARD PROCTOR) AND BE FIRM AND UNYielding.
3) DRAINAGE SYSTEM TO BE DESIGNED IN ACCORDANCE WITH THE PIERCE COUNTY STORMWATER MANAGEMENT AND SITE DEVELOPMENT MANUAL.
4) GRAVEL SURFACING MAY BE USED FOR SHARED ACCESS TO TWO (2) OR LESS LOTS.
5) ACCESS IN UN-OPENED COUNTY RIGHT-OF-WAY MAY BE GRAVEL FOR ACCESS TO FOUR (4) OR LESS LOTS.
6) GRAVEL ACCESS SHALL ONLY BE USED FOR DRIVING SURFACES WITH GRADES LESS THAN 12%.
7) POROUS ASPHALT TREATED BASE ONLY REQUIRED WHEN POROUS ASPHALT IS USED.
8) SEE APPLICABLE PIERCE COUNTY STANDARD DRAWING PC.F1.1 THROUGH PC.F6.6 FOR ALLOWABLE PAVEMENT SECTION FOR DRIVEWAY APPROACH.

(ACT TO SCALE)