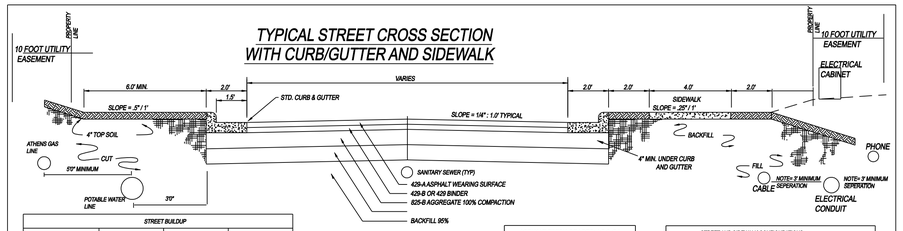
TYPICAL STREET CROSS SECTION WITH CURB/GUTTER AND SIDEWALK



STREET BUILDUP	0 TO 500 VPD		501 TO 3,000 VPD		3,001 AND GREATER	
CLASSIFICATION	CLASS II		CLASS III		CLASS IV	
	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE
WEARING SURFACE 429	1.5"	1.5"	2.0"	1.5"	2.0"	1.5"
BASE 429-C / BINDER 429-B	3.5"	2.0"	5.0"	3.5"	6.0"	3.5"
CRUSHED AGGREGATE BASE 825-B		6.0"		6.0"		9.0"

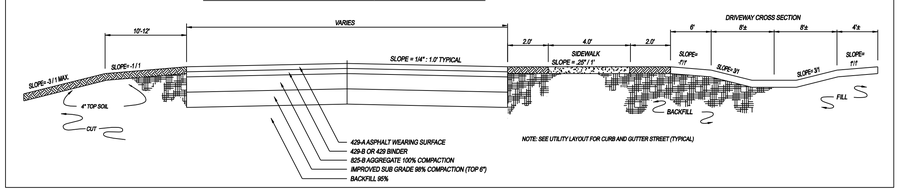
NOTE: 424 MIXES CAN BE SUBSTITUTED WITH THE APPROVAL OF THE CITY ENGINEER.

ASPHALT FINISH GRADES: (C & G)	
B/C to B/C	DIST. BELOW C/L @ T/C
26.0'	2.00"
28.0'	1.75"
31.0'	1.38"
35.0'	0.88"
40.0'	0.26"

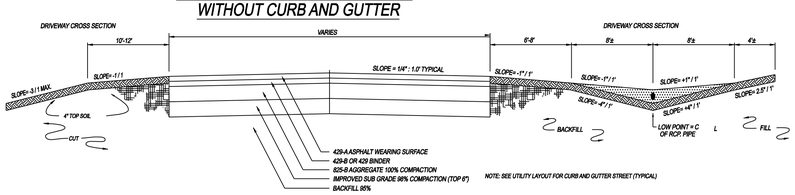
STREET AND SIDEWALK CONFIGURATIONS				
CLASSIFICATION	B/C to B/C WIDTH	PAVEMENT WIDTH	ROW	SIDEWALK LOCATION
CUL-DE-SAC	26	22	50	1 SIDE*
LOCAL	28	24	50	1 SIDE*
COLLECTOR**	35	31	60	1 SIDE
COLLECTOR **	31	27	60	1 SIDE
COLLECTOR @ * INTERSECTIONS	40	36	60	BOTH SIDES
ARTERIAL	52	48	80	BOTH SIDES

* CITY ENGINEER SHALL DETERMINE LOCATION OF SIDEWALK.
** PERMITTED AT THE OPTION OF THE PLANNING COMMISSION.

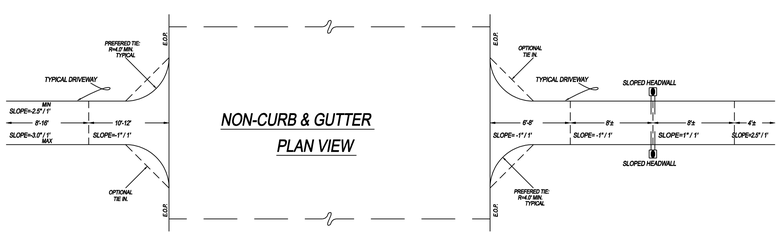
TYPICAL STREET CROSS SECTION WITHOUT CURB/GUTTER, AND SIDEWALK



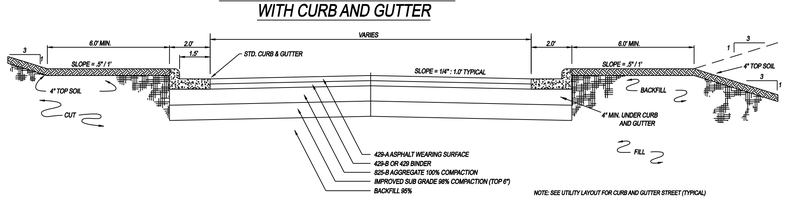
TYPICAL STREET CROSS SECTION WITHOUT CURB AND GUTTER



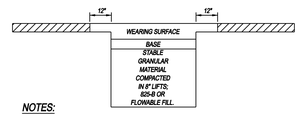
NON-CURB & GUTTER PLAN VIEW



TYPICAL STREET CROSS SECTION WITH CURB AND GUTTER



UTILITY PATCH DETAIL



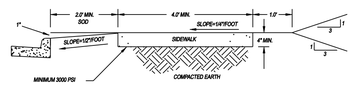
NOTES:

1. EDGES SHALL BE SAW CUT, VERTICAL AND SMOOTH. OR JACK HAMMERED.
2. EDGES SHALL BE COATED WITH TACK TO INSURE A GOOD BOND.
3. THE WEARING SURFACE SHALL BE IN ACCORDANCE WITH ALDOT. SECTION 429 (SEE TABLE FOR THICKNESS).
4. BASE SHALL BE 825 MX-B STONE, 429 BINDER OR 429 BASE (SEE TABLE FOR THICKNESS).
5. THE WEARING SURFACE PLACEMENT SHALL INCLUDE THE TRENCH WIDTH PLUS AN ADDITIONAL 12" ON EITHER SIDE OF THE TRENCH TO PROVIDE A SMOOTH TIE.
6. A TEMPORARY PATCH MUST BE IN PLACE AT LEAST EIGHT WEEKS PRIOR TO PLACING THE FINAL SURFACE.
7. FLOWABLE FILL MUST BE PRE-APPROVED.

CLASSIFICATION	0 TO 500 VPD		501 TO 3,000 VPD		3,001 AND GREATER	
WEARING SURFACE 429	CLASS II		CLASS III		CLASS IV	
	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE
WEARING SURFACE 429	1.5"	1.5"	2.0"	1.5"	2.0"	1.5"
BASE 429-C / BINDER 429-B	3.5"	1.5"	5.0"	3.5"	6.0"	3.5"
CRUSHED AGGREGATE BASE 825-B		6.0"		6.0"		9.0"

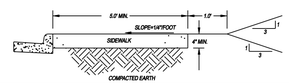
4' SIDEWALK

NOTES:
1. PROVIDE 1 1/2" DEEP BY 1/8" WIDE CONTROL JOINTS EVERY 5' WITH EXPANSION JOINTS EVERY 50'. EXPANSION MATERIAL CAN BE FILTER BOARD OR A TREATED 1x4.

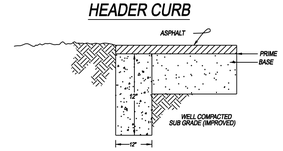


5' SIDEWALK

NOTES:
1. PROVIDE 1 1/2" DEEP BY 1/8" WIDE CONTROL JOINTS EVERY 5' WITH EXPANSION JOINTS EVERY 50'. EXPANSION MATERIAL CAN BE FILTER BOARD OR A TREATED 1x4.
2. WHEN THE DISTANCE BETWEEN THE BACK OF CURB AND THE EDGE OF SIDEWALK IS LESS THAN TWO FEET, THE SIDEWALK MUST BE A MINIMUM OF FIVE FEET WIDE.

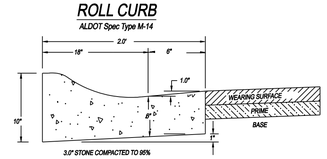


HEADER CURB

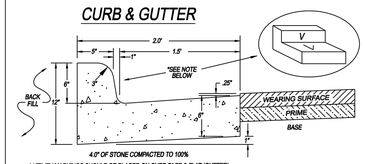


ROLL CURB

ALDOT Spec Type M-14

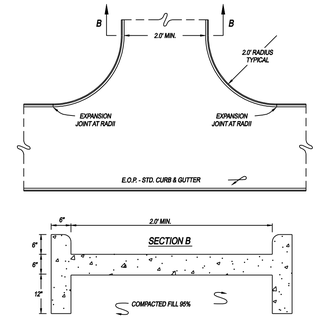


CURB & GUTTER

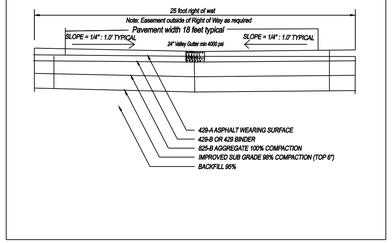


* UTILITY MARKINGS SHOULD BE PLACED ON CURB FACE & FLAT (GUTTER).

FLUME DETAIL



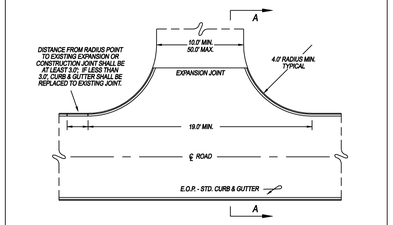
Alley Section



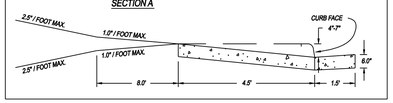
SOD DETAIL

STANDARD DRIVEWAY

NOTES:
1. DISTANCE FROM RADIUS POINT TO EXISTING EXPANION OR CONSTRUCTION JOINT SHALL BE AT LEAST 3.0', IF LESS THAN 3.0' CURB & GUTTER SHALL BE REPLACED TO EXISTING JOINT.
2. EXPANSION JOINT TO BE PLACED AT TIE IN.
3. THE TEN FOOT MIN. WIDTH IS FOR RESIDENTIAL USES ON LOCAL STREETS AND CUL-DE-SACS. ALL OTHERS WILL BE THIRLVE FOOT MINIMUM WIDTH.
4. REMOVE CURB & GUTTER FOR DRIVEWAY TURNOUT PLACEMENT. SAW CUTTING IS PERMITTED ALONG THE CURB LINE / GUTTER TO MAINTAIN EXISTING GUTTER.
5. ALL CONCRETE SHALL BE A MIN. OF SIX INCHES THICK.
6. INCH FOR USES OTHER THAN RESIDENTIAL MUST BE TWENTY-FIVE FOOT MIN.



SECTION A



NOTES:

1. SIDE SLOPES FOR STREETS SHALL VARY FROM A POINT SIX (6') FEET BEHIND THE CURB TO THE EXISTING ELEVATION AT THE RIGHT OF WAY (R.O.W.), EXCEPT THAT SUCH SLOPE SHALL NOT BE GREATER THAN 4:1. IN CASES WHERE A 4:1 SLOPE CARRIES THE CONSTRUCTION LIMITS BEYOND THE R.O.W. LINE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEARING & GRUBBING, EXCAVATION, BACKFILL, MULCHING OR ANY OTHER WORK REQUIRED TO ACCOMMODATE THE 4:1 SLOPE. IN CASES WHERE ROCK IS ENCOUNTERED, THE SLOPE MAY BE .25:1 IN THE ROCK PORTION.

2. FOR PORTLAND CEMENT CONCRETE PAVEMENTS, THE TYPICAL CROSS SECTION SHALL BE DESIGNED ON A CASE BY CASE BASIS.

3. CURB AND GUTTER SHALL BE CAST IN PLACE WITH THE FOLLOWING REQUIREMENTS: TOOLED EXPANSION JOINTS AT FIFTY (50.0') FOOT INTERVALS WITH DUMMY JOINTS AT TEN (10.0') FOOT INTERVALS; WHEN ELECTRIC, GAS, SEWER OR WATER SERVICE LINES ARE IN PLACE, AN "E", "G", "S" OR "W" SHALL BE MARKED ON CURB FACE AND FLAT/GUTTER AT THE APPROPRIATE LOCATION(S); AFTER THE CURB & GUTTER HAS BEEN CURED, EXTRA PRECAUTIONS WILL BE TAKEN DURING BACKFILLING AND/OR OTHER ACTIVITIES TO PREVENT DAMAGE OR MARRING OF FINISH; REFER TO CURB & GUTTER DETAILS FOR PLACEMENT OF UTILITY MARKINGS WITH A MIN. OF 4"x2" LETTERS.

4. ALL WEARING SURFACE ASPHALT SHALL BE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) SECTION 429-A MIX DESIGN UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

5. STONE BASE MATERIAL SHALL BE ALDOT SECTION 825 MIX B OR BITUMINOUS BASE, ALDOT 429-B MIX DESIGN.

6. TACK POINTS (PRIME) SHALL BE APPLIED PRIOR TO WEARING SURFACE APPLICATION, AND BETWEEN LAYERS OF PAVEMENT MATERIAL FOR RESURFACING PROJECTS. TACK SHALL BE SSI-H OR ASPHALTIC CEMENT AC-10 OR AC-20 AS SPECIFIED BY THE CITY ENGINEER. ALSO, SEE NOTE 2 OF UTILITY PATCH DETAIL. IN ADDITION, IF PAVING OPERATION IS DELAYED, OR EDGES BECOME DIRTY OR MUDDY, ALL DIRT AND MUD MUST BE REMOVED PRIOR TO APPLYING TACK COAT.

7. BASE AND WEARING SURFACE REQUIREMENTS ARE BASED ON CBR OF 6-9 FOR SUB GRADE SOILS. ALTERNATE DESIGN FOR FULL DEPTH PAVEMENTS OR VARIANCE TO LISTED THICKNESSES WILL BE CONSIDERED ON A CASE BY CASE BASIS, BASED ON SUBGRADE SOILS AND/OR EXPECTED TRUCK TRAFFIC.

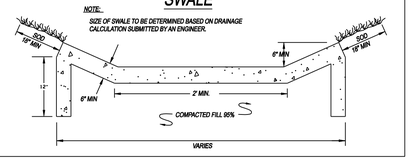
8. TREATED 1"x4" SHALL BE USED FOR EXPANSION JOINTS IN SIDEWALK.

9. IF THE DISTANCE BETWEEN THE BACK OF CURB AND EDGE OF SIDEWALK IS LESS THAN TWO FEET, THEN SIDEWALK MUST BE A MIN. OF FIVE FEET WIDE.

10. ALL TREE PLANTINGS WITHIN THE RIGHT OF WAY MUST BE APPROVED BY THE CITY OF ATHENS STREET DEPARTMENT PRIOR TO INSTALLATION.

SWALE

NOTE:
SIZE OF SWALE TO BE DETERMINED BASED ON DRAINAGE CALCULATION SUBMITTED BY AN ENGINEER.



STANDARD DETAILS: STREETS – SHEET 1 of 2

PROJECT TITLE:		
CITY OF ATHENS, ALABAMA INCORPORATED 1843	DEPARTMENT: ENGINEERING	REVISIONS:
	SCALE: N.T.S.	
	IMPLEMENTED: JANUARY 1, 2006	