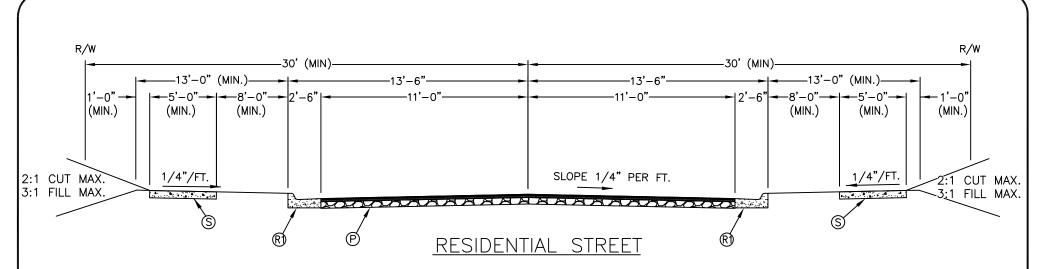
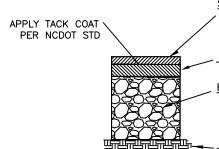
TOWN OF BISCOE

TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL



NOTES:

- AN ALTERNATIVE PAVEMENT DESIGN MAY BE REQUIRED BASED ON SPECIFIC TRAFFIC PARAMETERS.
- 2. ALL DIMENSIONS NOTED AS MINIMUMS ARE SUBJECT TO STANDARDS REQUIRED BY TOWN OF BISCOE DEVELOPMENT ORDINANCE.



SURFACE COURSE

1 1/2" BITUMINOUS CONCRETE, TYPE S9.5B FINAL LIFT TO BE APPLIED AFTER 75% DEVELOPMENT OCCUPANCY OR 1 YEAR FROM INTERMEDIATE COURSE PLACEMENT (WHICHEVER OCCURS FIRST).

INTERMEDIATE COURSE

1 1/2" BITUMINOUS CONCRETE, TYPE I19.0C

BASE COURSE

8" COMPACTED AGGREGATE BASE COURSE, OR 4" BCBC TYPE B25.0B SHOULD ENTIRE DEVELOPMENT HAVE A CBR OF 6 OR GREATER, THEN AN ALTERNATIVE BASE COURSE PAVEMENT DESIGN MAY BE SUBMITTED TO THE TOWN ENGINEER FOR APPROVAL.

SUBGRADE

COMPACT SUBGRADE TO AASHTO STANDARDS AND SPECIFICATIONS

TYPICAL MINIMUM PAVEMENT SECTION (MINIMUM)

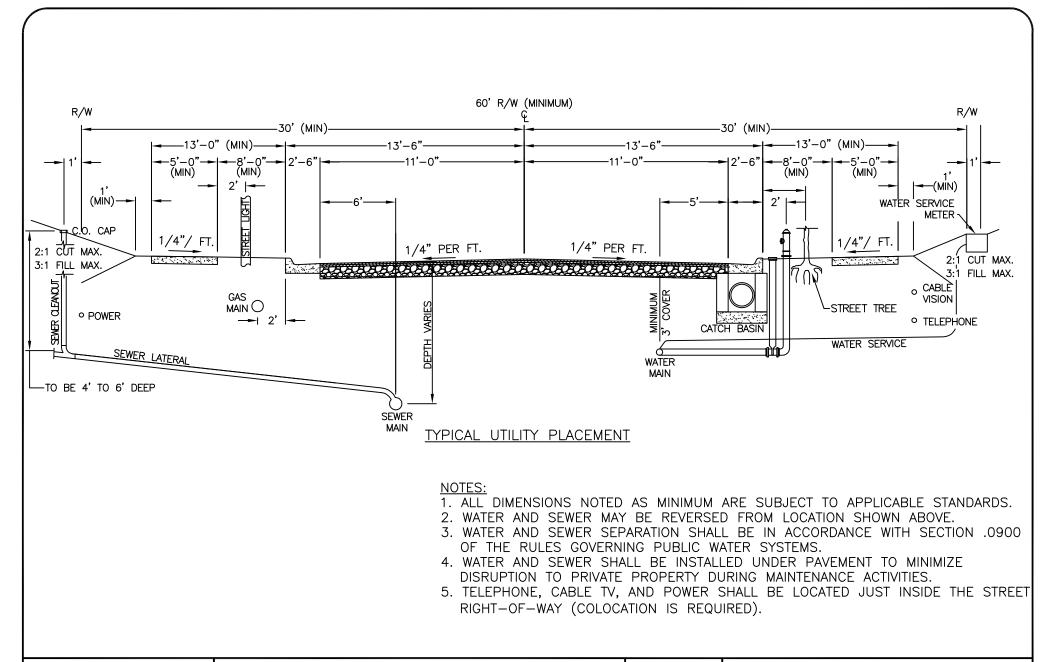
KEY

- (R1) 2'-6" CURB AND GUTTER
- (S) 4" CONCRETE SIDEWALK
- (P) TYPICAL PAVEMENT SECTION

NOT TO SCALE

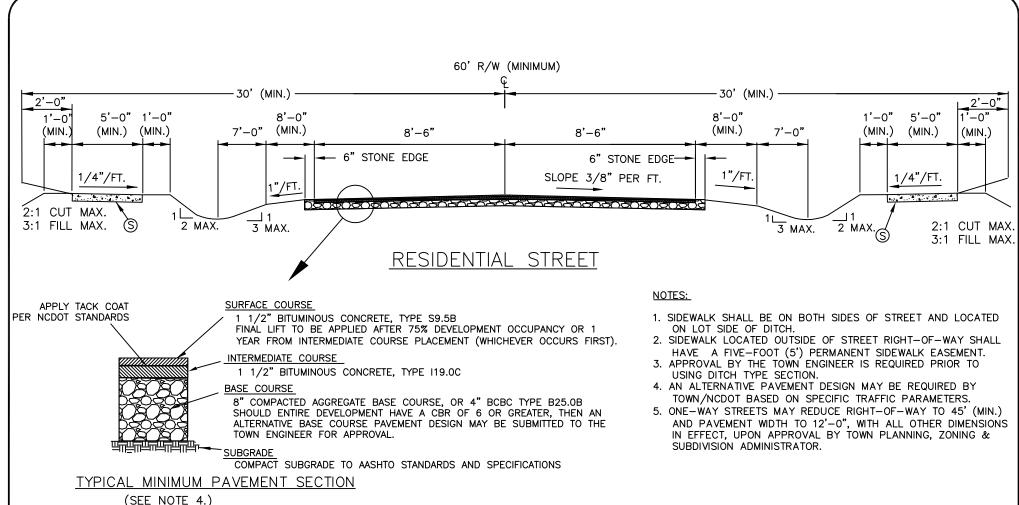
TOWN OF BISCOE, NC STREET SECTION 60' (MIN.) RIGHT-OF-WAY STD. 1.01

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TOWN OF BISCOE, NC STREET SECTION WITH UTILITIES 60' (MIN.) RIGHT-OF-WAY

STD. 1.02 REVISIONS
NO DATE BY COMMENT



4" CONCRETE SIDEWALK

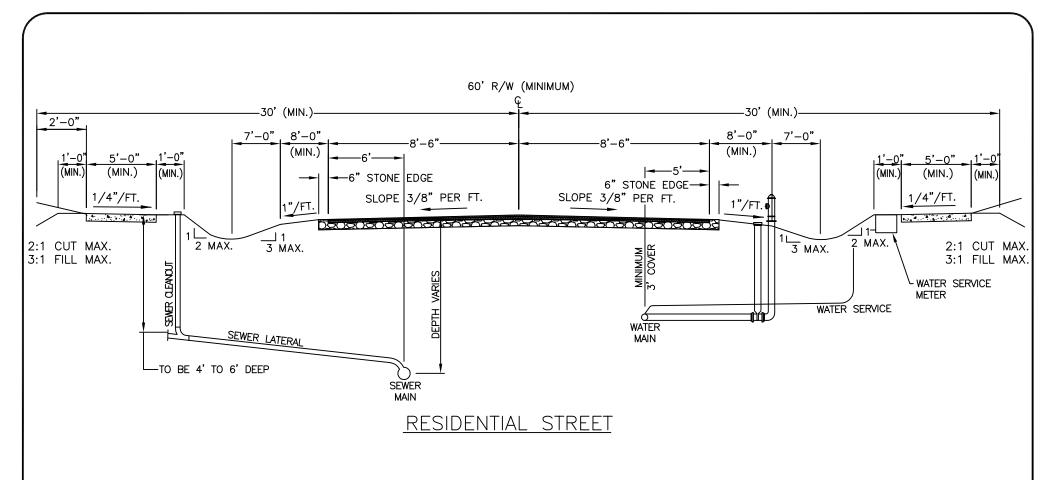
NOT TO SCALE

TOWN OF BISCOE, NC

RESIDENTIAL STREET DITCH TYPE STREET TYPICAL SECTION

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STD. 1.03 REVISIONS NO DATE BY COMMENT



NOTES:

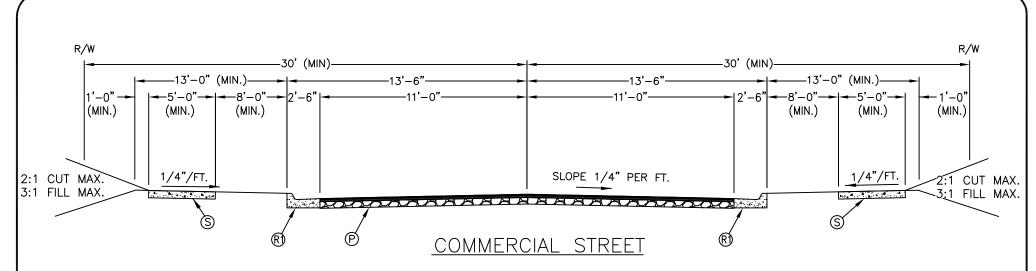
- 1. ALL DIMENSIONS NOTED AS MINIMUM ARE SUBJECT TO APPLICABLE STANDARDS.
- 2. WATER AND SEWER MAY BE REVERSED FROM LOCATION SHOWN ABOVE.
- 3. WATER AND SEWER SEPARATION SHALL BE IN ACCORDANCE WITH SECTION .0900 OF THE RULES GOVERNING PUBLIC WATER SYSTEMS.
- 4. WATER AND SEWER SHALL BE INSTALLED UNDER PAVEMENT TO MINIMIZE DISRUPTION TO PRIVATE PROPERTY DURING MAINTENANCE ACTIVITIES.
- 5. TELEPHONE, CABLE TV, AND POWER SHALL BE LOCATED JUST INSIDE THE STREET RIGHT-OF-WAY (COLOCATION IS REQUIRED).

TOWN OF BISCOE, NC

RESIDENTIAL STREET WITH UTILITIES DITCH TYPE STREET TYPICAL SECTION

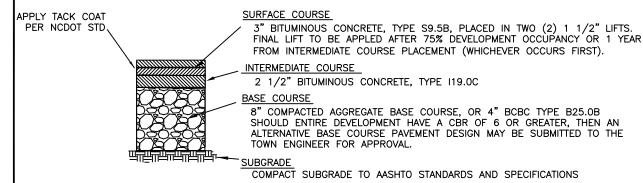
STD. 1.04

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NOTES:

- AN ALTERNATIVE PAVEMENT DESIGN MAY BE REQUIRED BASED ON SPECIFIC TRAFFIC PARAMETERS.
- 2. ALL DIMENSIONS NOTED AS MINIMUMS ARE SUBJECT TO STANDARDS REQUIRED BY TOWN OF BISCOE DEVELOPMENT ORDINANCE.



TYPICAL MINIMUM PAVEMENT SECTION (MINIMUM)

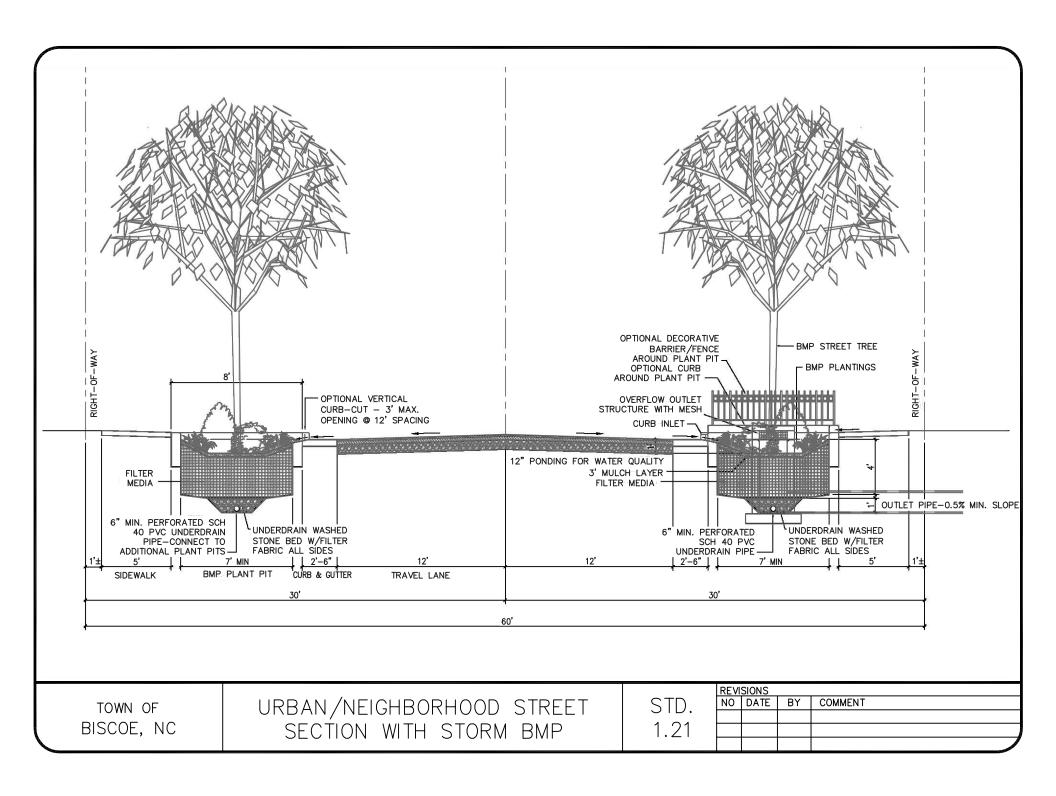
KEY

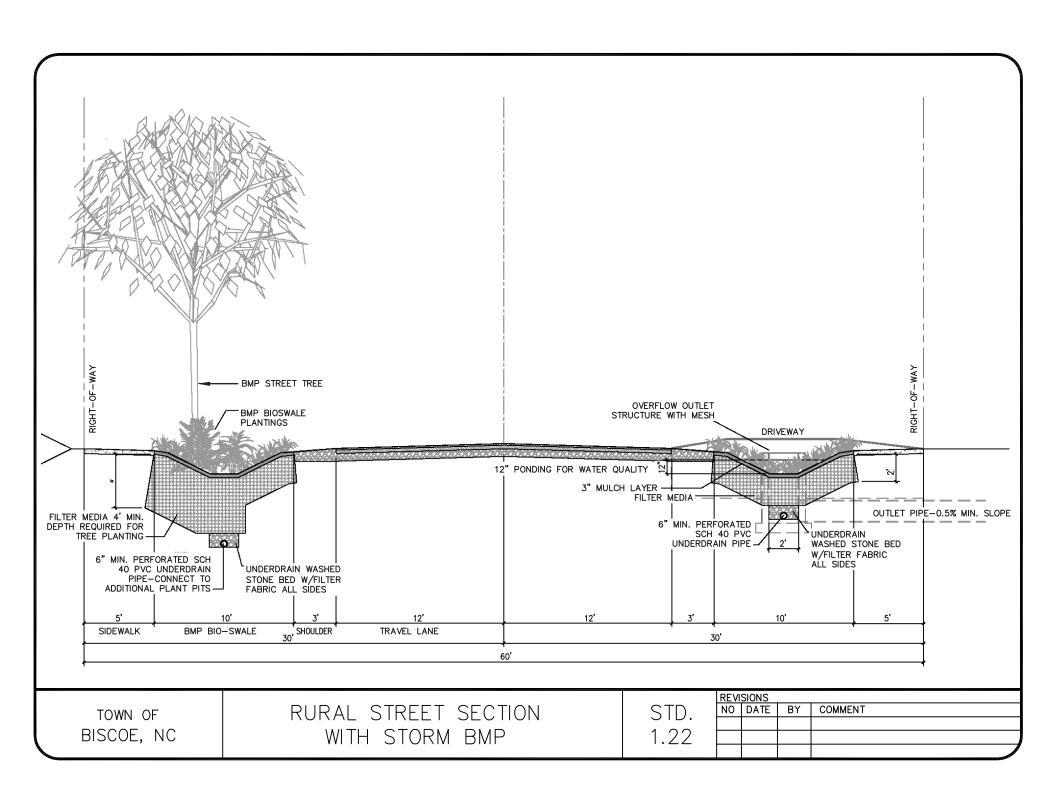
- R) 2'-6" CURB AND GUTTER
- (S) 4" CONCRETE SIDEWALK
- (P) TYPICAL PAVEMENT SECTION

NOT TO SCALE

TOWN OF BISCOE, NC COMMERCIAL STREET SECTION 60' (MIN.) RIGHT-OF-WAY

STD. 1.05 REVISIONS
NO DATE BY COMMENT
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MINIMUM WALL OR ADJACENT **PARKING ANGLE 90°** (TWO WAY OPERATION ONLY) 23'-0" 20'-0" 20'-0" WALL OR ADJACENT SPACE **PARKING ANGLE 60°** (ONE WAY OPERATION ONLY) 21'-0" 16'-0" 20'-0" WALL OR ADJACENT SPACE **PARKING ANGLE 45°** (ONE WAY OPERATION ONLY)

NOTES:

- FOR ACCESSIBLE PARKING STANDARDS/SIGNAGE SEE ADDITIONAL STANDARDS.
- 2. PAVEMENT MARKINGS SHALL BE 4" WHITE PAINT.
- 3. ALTERNATIVE PARKING ANGLES, AISLE WIDTHS, AND OPERATION (TWO-WAY ANGLED PARKING OR REVERSE-ANGLE PARKING) WILL BE CONSIDERED ON A CASE-BY-CASE BASIS.

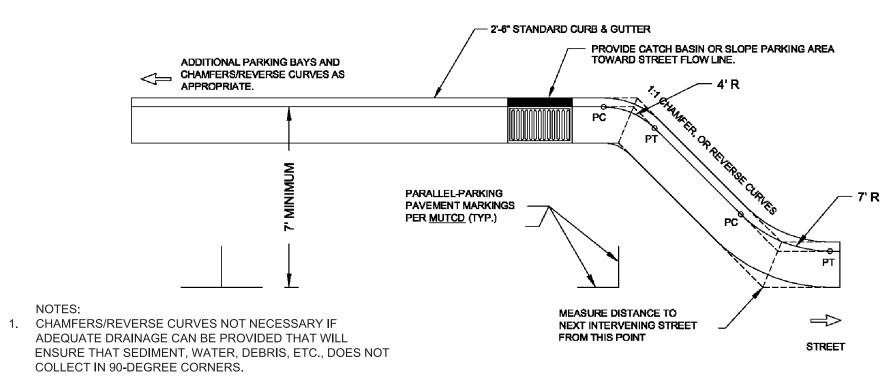
TOWN OF BISCOE, NC

PARKING STANDARDS

22'-0" 12'-0" 22'-0"

STD. 2.01

REVISIONS				
ИО	DATE	BY	COMMENT	



- 2. PARALLEL ACCESSIBLE SPACES AND LOADING ZONES TO BE REVIEWED ON A CASE-BY-CASE BASIS.
- 3. FOR PARKING BAYS THAT ARE EIGHT FEET (8') IN WIDTH OR GREATER, THE PAVEMENT MARKINGS SHALL BE SET AT ONE FOOT (1') LESS THAN THE STALL WIDTH.
- 4. SEPARATION FROM INTERVENING STREET DISTANCES SHALL BE REVIEWED AND APPROVED BY THE TOWN.
- 5. POSITIVE DRAINAGE SHALL BE PROVIDED EITHER BY INSTALLATION OF APPROPRIATE DRAINAGE STRUCTURES OR SLOPE PARKING AREA TO STREET FLOW LINE.

TOWN OF BISCOE, NC

PARALLEL PARKING STANDARDS

STD. 2.02 REVISIONS
NO DATE BY COMMENT

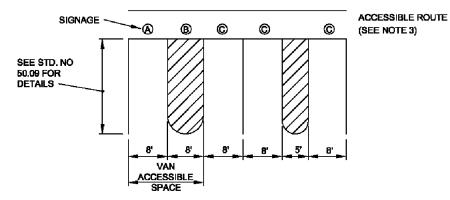
ACCESSIBLE PARKING REQUIREMENTS

TOTAL PARKING SPACES PROVIDED	MINIMUM NUMBER OF ACCESSIBLE SPACES SPACES REQUIRED	MINIMUM NUMBER OF ACCESSIBLE SPACES REQUIRED TO BE VAN ACCESSIBLE
1 TO 25	1	1
26 TO 50	2	1
51 TO 75	3	1
76 TO 100	4	1
101 TO 150	5	1
151 TO 200	6	1
201 TO 300	7	1
301 TO 400	8	1
401 TO 500	9	2
501 TO 1000	2% OF TOTAL	1 IN EVERY B ACCESSIBLE SPACES
1001 AND OVER	20 PLUS 1 FOR EACH 100 OVER 1000	1 IN EVERY 8 ACCESSIBLE SPACES

SECTION 4.1.2 (5) OF THE AMERICANS WITH DISABILITIES ACT (ADA). SEE 4.1,2,(5) (d) FOR MEDICAL CARE FACILITIES

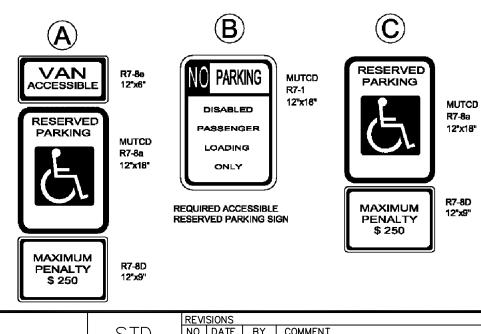
NOTES:

- 1. ALL 12"x18" ACCESSIBLE SIGNS (R7-8a & R7-1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
- 2. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD)
 U.S. DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION SUPPLEMENT.
- 3. IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMPS ARE REQUIRED AT LOADING ZONE AREA.



ONE OUT OF EVERY EIGHT (8)ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, IS REQUIRED TO BE VAN ACCESSIBLE.

PARKING SPACE PAVEMENT MARKINGS

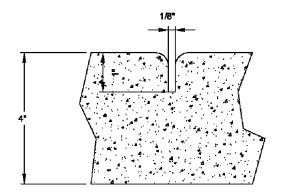


TOWN OF BISCOE, NC

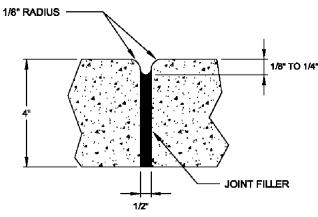
ACCESSIBLE PARKING
AND SIGNAGE

STD. 2.11

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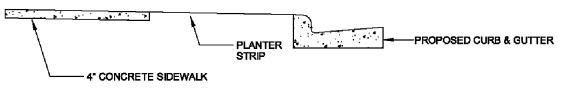
GROOVE JOINT IN SIDEWALK



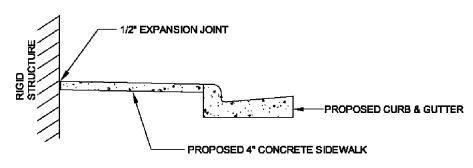
TRANSVERSE EXPANSION JOINT IN SIDEWALK

GENERAL NOTES:

- A GROOVE JOINT 1" DEEP WITH 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5" INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 45" INTERVALS NOT TO EXCEED 50" AND MATCHING EXPANSION/CONSTRUCTION JOINT IN ADJACENT CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
- 2. SIDEWALK AT DRIVEWAY ENTRANCES TO BE 6" THICK.
- 3. WIDTH OF SIDEWALK ON ALL STREETS SHALL BE A MINIMUM OF 5'.
- 4. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 PSI. IN 28 DAYS.
- ZONING CONDITIONS MAY REQUIRE ADDITIONAL WIDTH SIDEWALKS WHICH SHALL SUPERSEDE THESE STANDARD DIMENSIONS SHOWN.



CONCRETE SIDEWALK WITH PLANTER STRIP



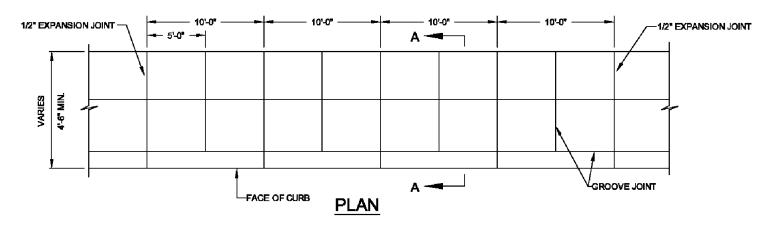
DETAILS SHOWING EXPANSION JOINTS

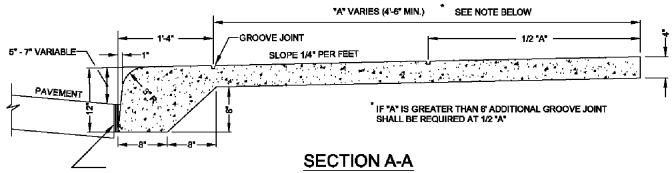
FOR CONCRETE SIDEWALK

TOWN OF BISCOE, NC

CONCRETE SIDEWALK

STD. 3.01 REVISIONS
NO DATE BY COMMENT





TWO 1/2" THICK PIECES BITUMINOUS FIBER REQUIRED IF SUBBASE IS CONCRETE. MUST BE SEALED WITH APPROVED JOINT SEALER.

GENERAL NOTES:

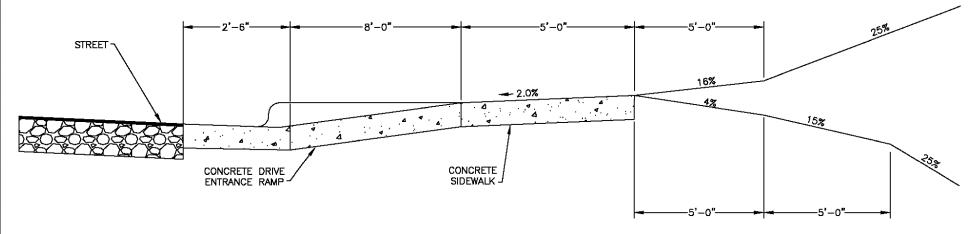
- A GROOVE JOINT 1" DEEP WITH 1/3" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 40' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
- 2. ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.
- 3. SEE STANDARD FOR DETAIL OF EXPANSION JOINT AND GROOVE JOINT.
- 4. SEE STANDARD FOR DETAIL OF DRIVEWAY.
- MONOLITHIC CURB AND SIDEWALK TO BE CONSTRUCTED ONLY WHEN APPROVED BY THE APPROPRIATE PUBLIC WORKS ENGINEER.

TOWN OF BISCOE, NC

MONOLITHIC CURB AND SIDEWALK

STD. 3.02

REVISIONS				
NO	DATE	BY	COMMENT	



NOTE:

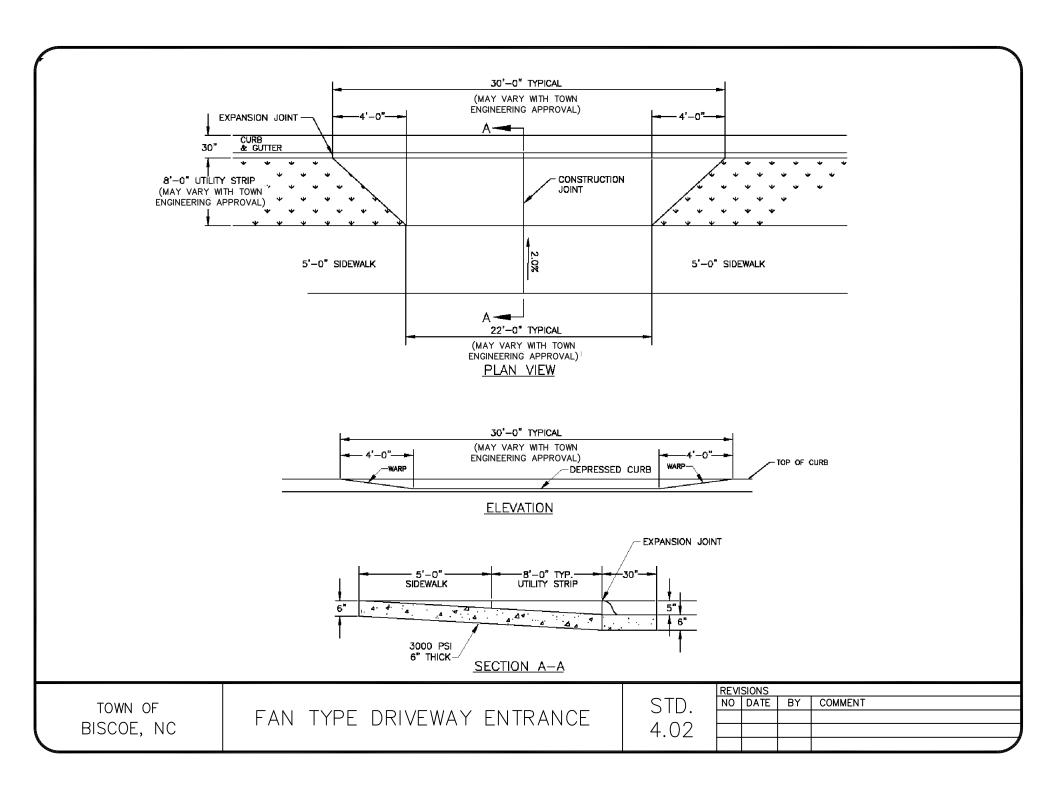
GRADES ARE SHOWN FOR SINGLE FAMILY & TWO FAMILY LOTS ONLY. COMMERCIAL TYPE USES MUST FLATTEN GRADES ACCORDINGLY FOR HIGHER VOLUMES OF TRAFFIC, ACCORDING TO THE TOWN ENGINEER'S DIRECTION.

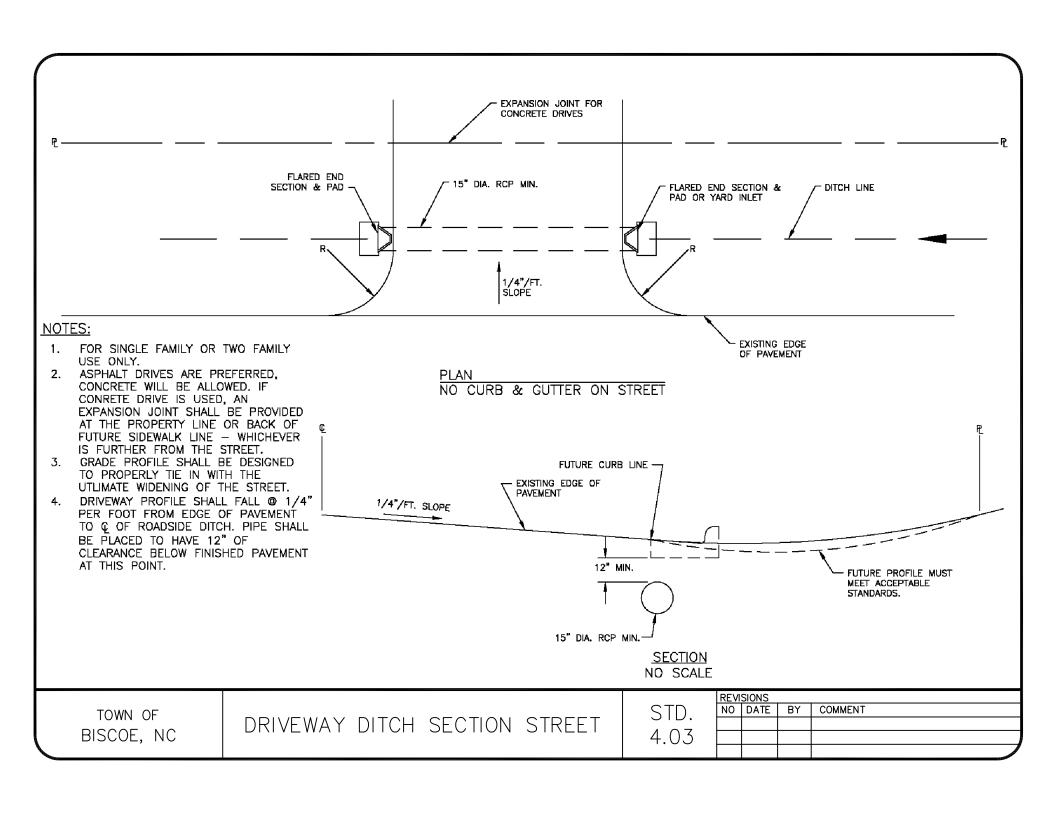
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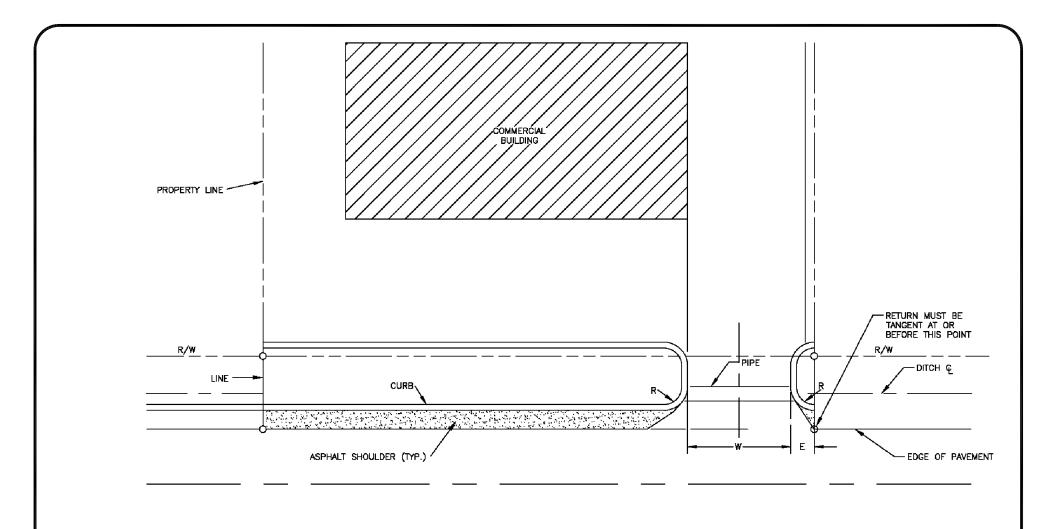
TOWN OF BISCOE, NC

DRIVEWAY GRADES

STD. | REVISIONS | NO DATE BY COMMENT | A.O1 | A.







1. R - 10' MIN., 30' MAX.

E - 10' MIN.

W - ONE WAY: 12' MIN., 20' MAX. - TWO WAY: 20' MIN., 36' MAX.

2. ALL RADII ARE TO BACK OF CURB.

NOT TO SCALE

COMMERCIAL SINGLE DRIVEWAY TOWN OF DITCH SECTION BISCOE, NC

STD. 4.04

REVISIONS					
NO	DATE	BY	COMMENT		

