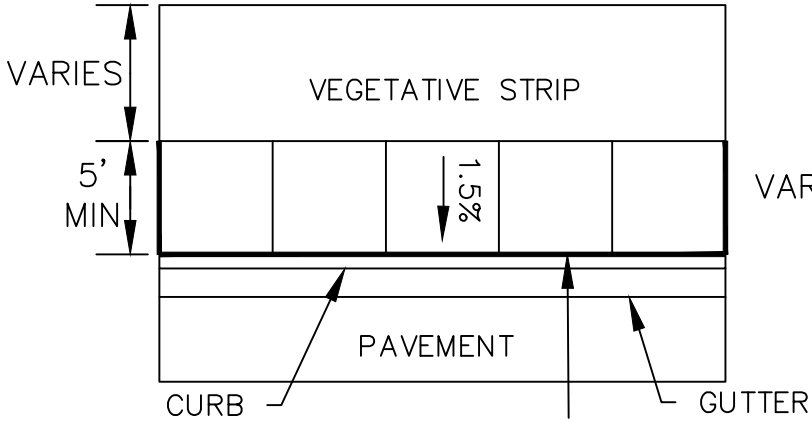
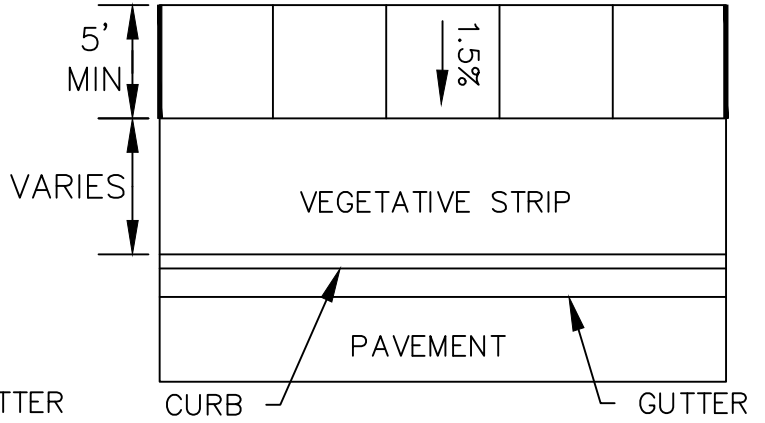


EXPANSION JOINTS 25' APART

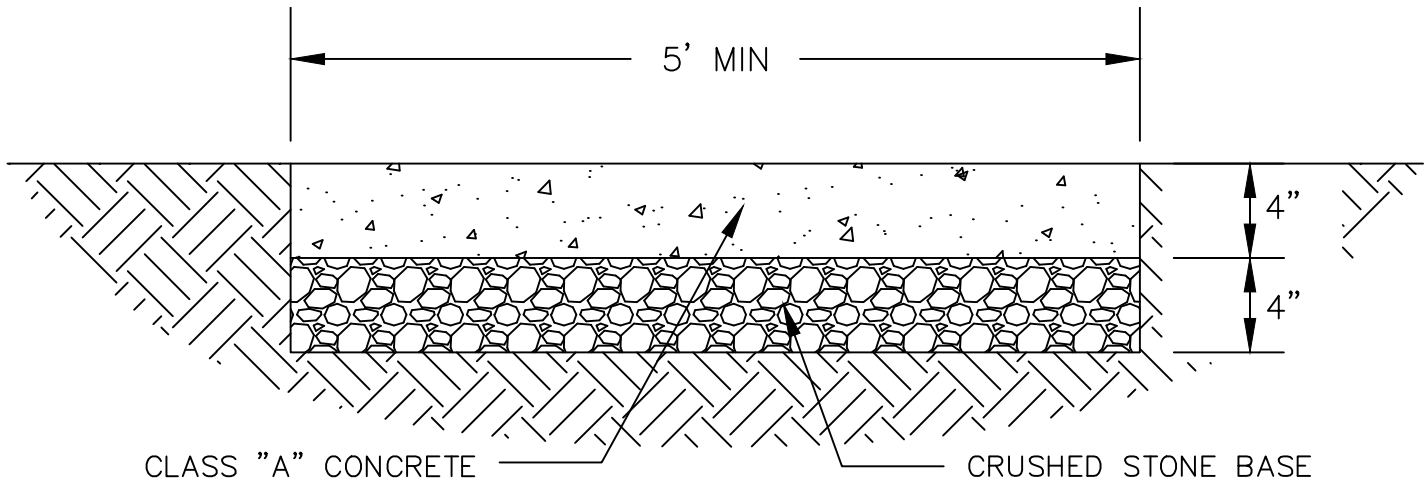


SIDEWALK BUILT TO CURB

EXPANSION JOINTS 25' APART



SIDEWALK WITH VEGETATIVE STRIP



GENERAL NOTES

1. CLASS "A" CONCRETE, MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI WITH FIBER REINFORCEMENT WITH BROOM FINISH
2. MAXIMUM CROSS SLOPE IS 2.0% (1.5% IS DESIRABLE)
3. SEE SIDEWALK JOINT DETAIL ST-101
4. BASE MATERIAL SHALL BE 3/4" WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY
5. COMPACT SUBGRADE IN 6" LIFTS TO 95% STD PROCTOR DRY DENSITY
6. EXPANSION JOINTS SHALL BE PLACED AT MAXIMUM INTERVALS OF 25'

NOT TO SCALE

[Signature]
 6/12/19
 E.I.T. DATE

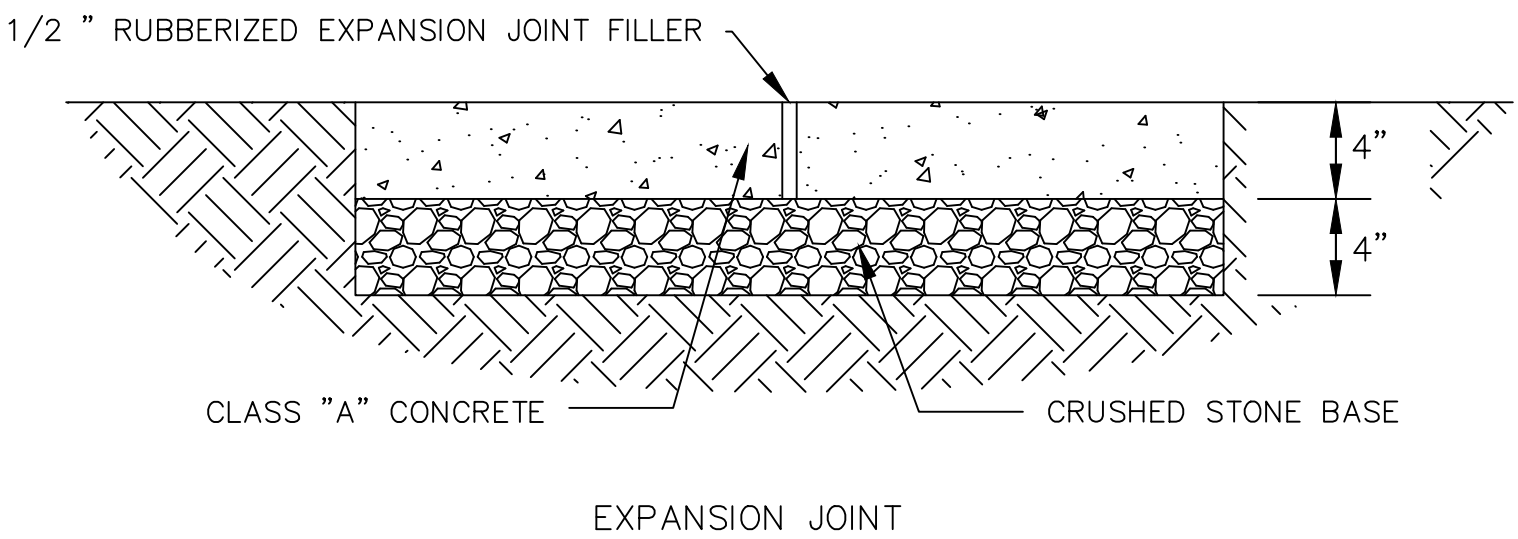
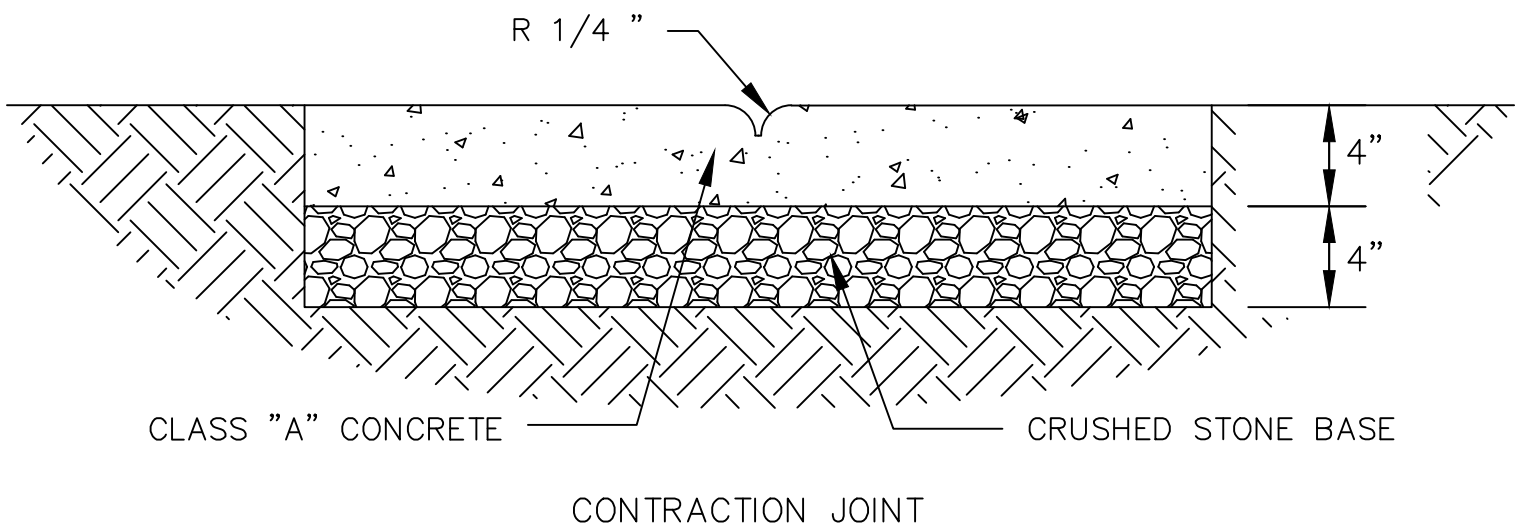
[Signature]
 6/12/19
 ENG. DIRECTOR DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES

CONCRETE SIDEWALK DETAIL

ST-100

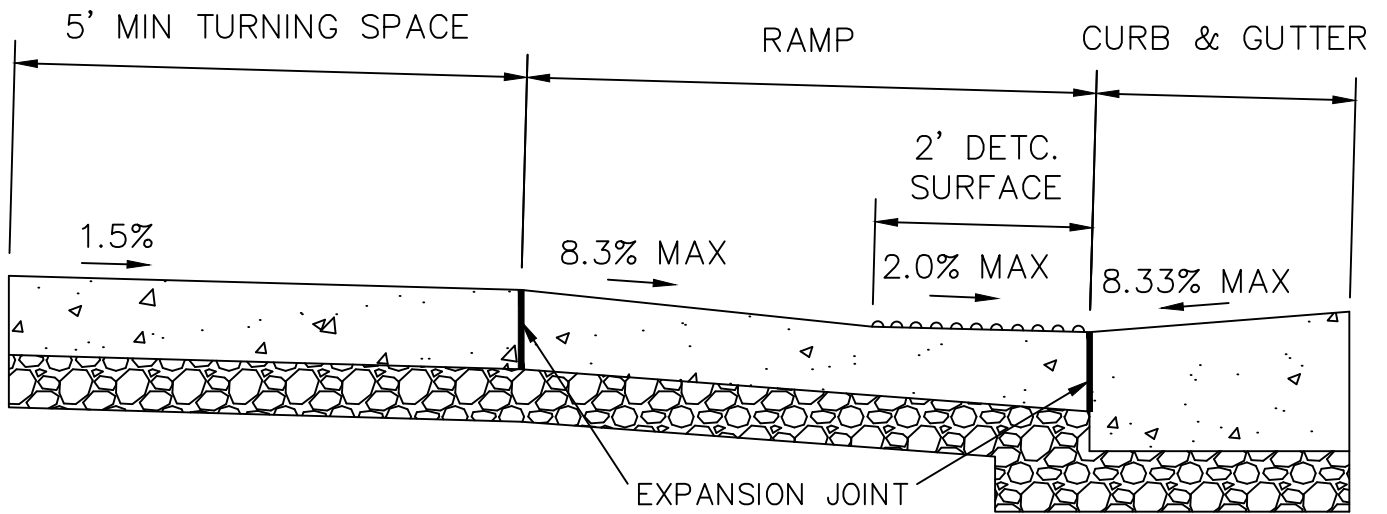
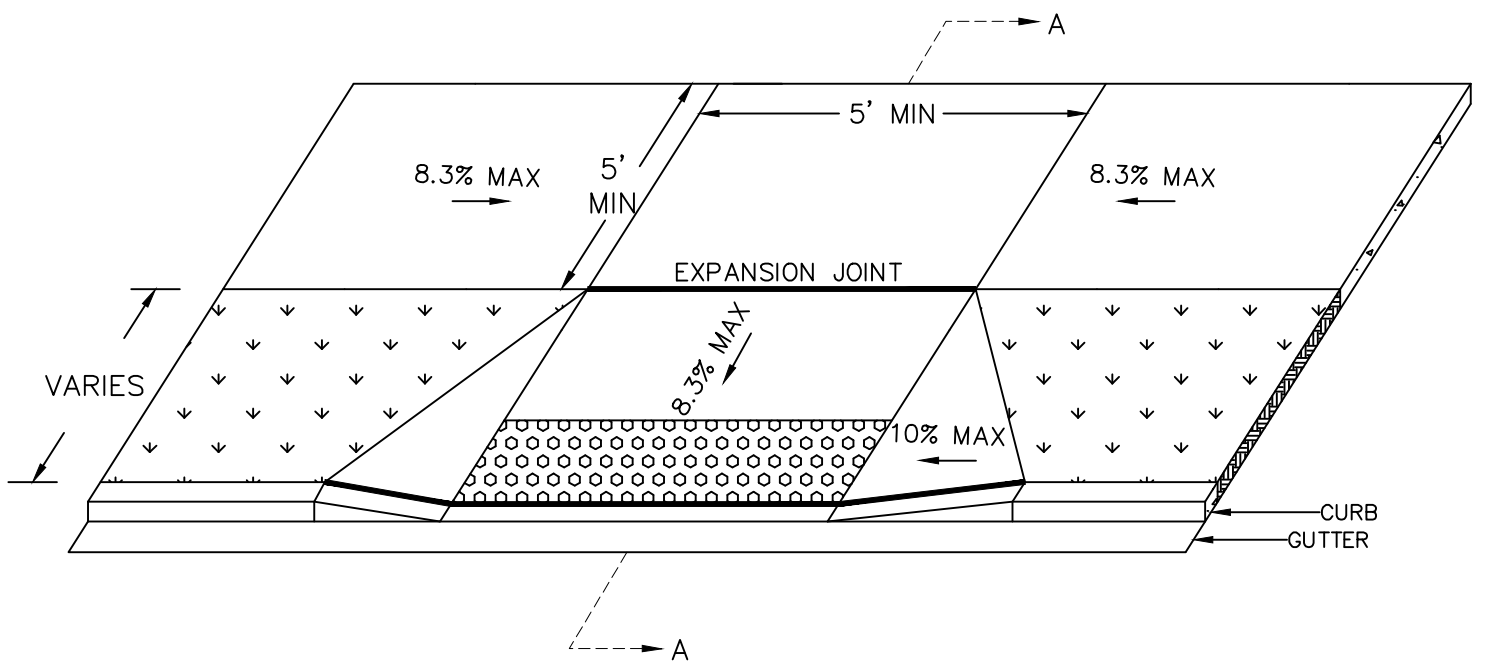


GENERAL NOTES

1. EXPANSION JOINTS FOR SIDEWALKS ARE TO BE 1/2", EXCEPT AT CONTACT POINTS WITH CIRCULAR CURBS, BUILDINGS, AND RETAINING WALLS WHERE THE JOINT MUST BE 1"
2. EXPANSION JOINTS ARE TO BE PLACED AT MAXIMUM INTERVALS OF 25'
3. CONTRACTION JOINTS ARE TO BE PLACED AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK
4. ALL CONTRACTION JOINTS ARE TO BE WET CUT USING AN EDGING TOOL WITH A RADIUS OF 1/4"
5. SIDEWALKS SHALL BE BROOM FINISHED

NOT TO SCALE

	6/12/19	CITY OF LEBANON	DEP. OF PUBLIC SERVICES
E.I.T.	DATE		SIDEWALK JOINT DETAIL
	6/12/19		ST-101
ENG. DIRECTOR	DATE		



SECTION A-A

GENERAL NOTES

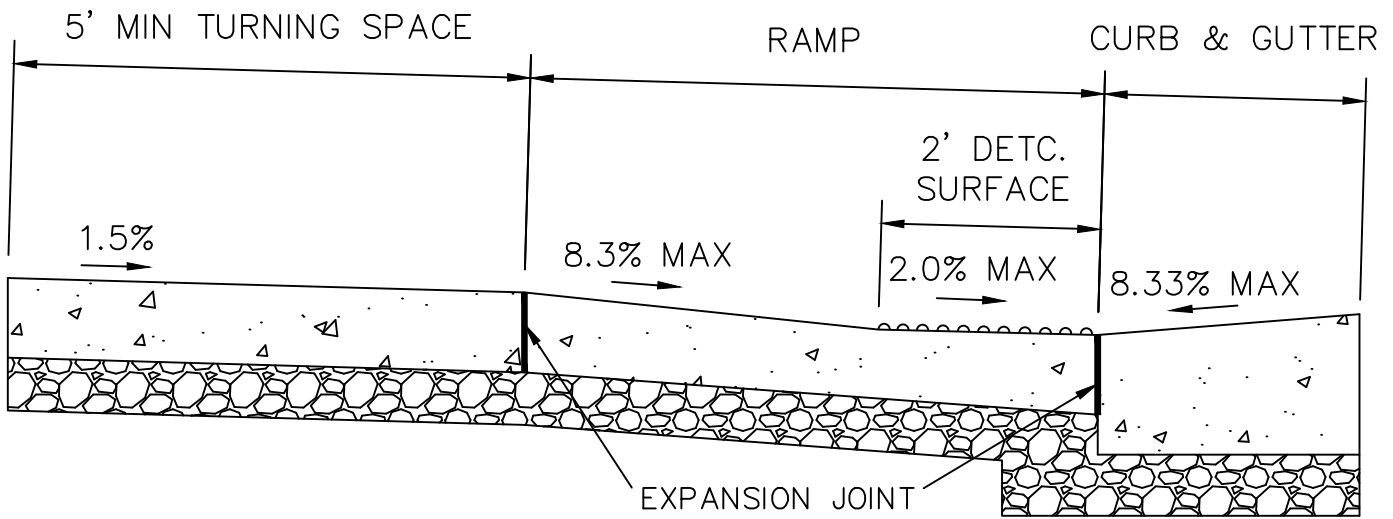
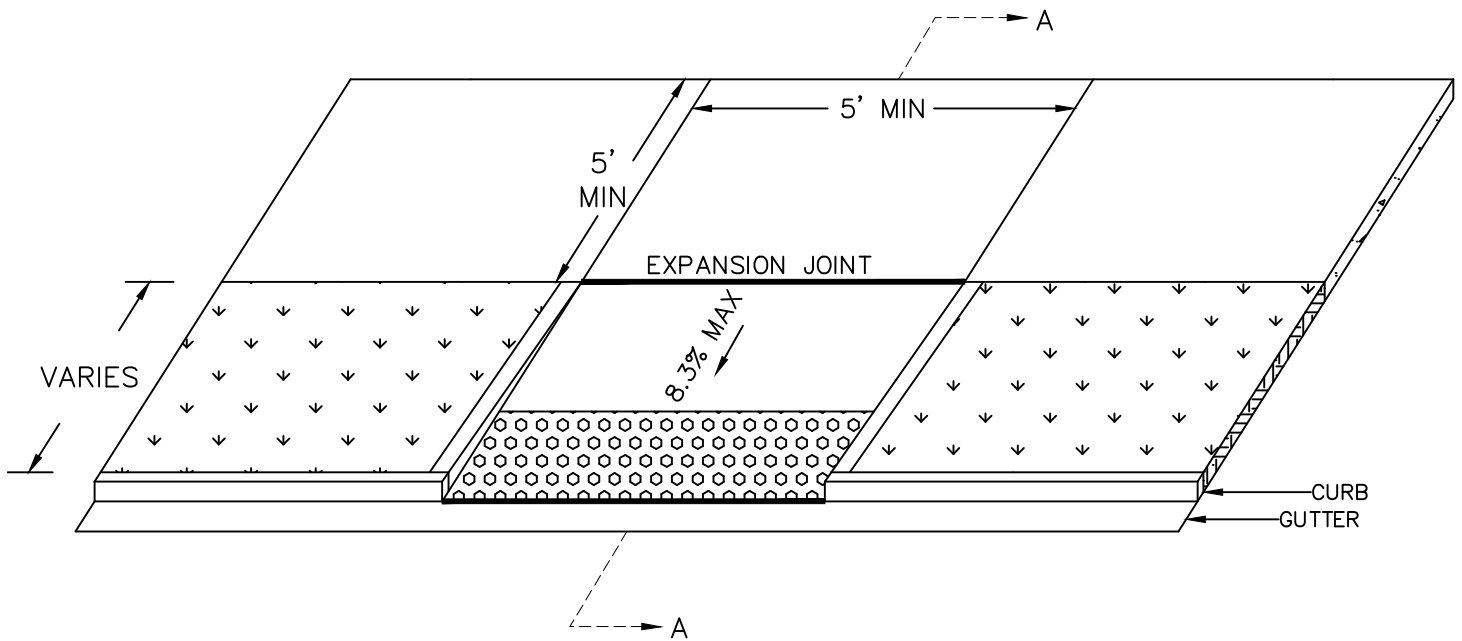
1. FLARED CURB RAMPS ARE TO BE USED WHERE PEDESTRIAN CROSS TRAVEL IS PERMITTED
2. ALL DETECTABLE WARNING SURFACES ARE TO BE YELLOW, EXTEND THE WIDTH OF THE CURB RAMP (EXCLUDING FLARES), AND 2' IN THE DIRECTION OF TRAVEL
3. A 5' BY 5' TURNING SPACE IS REQUIRED AT THE TOP OF CURB RAMPS
4. MAXIMUM SLOPE OF THE RAMP AT THE DETECTABLE WARNING SURFACE IS 2.0%
5. MAXIMUM SLOPE OF THE TURNING SPACE IS 2.0% (1.5% IS DESIRABLE)
6. EXPANSION JOINTS ARE TO BE PLACED BETWEEN THE CURB RAMP AND THE CURB, AS WELL AS BETWEEN THE CURB RAMP AND THE TURNING SPACE
7. WHERE POSSIBLE, STORM DRAIN INLETS SHALL BE PLACED JUST UPSTREAM OF CURB RAMPS
8. BASE MATERIAL SHALL BE 4" IN THICKNESS OF $\frac{3}{4}$ " WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY

NOT TO SCALE

	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
FLARED CURB RAMP DETAIL
ST-102



SECTION A-A

GENERAL NOTES

1. NON-FLARED CURB RAMPS SHALL NOT BE USED WHERE PEDESTRIAN CROSS TRAVEL IS PERMITTED
2. ALL DETECTABLE WARNING SURFACES ARE TO BE YELLOW, EXTEND THE WIDTH OF THE CURB RAMP (EXCLUDING FLARES), AND 2' IN THE DIRECTION OF TRAVEL
3. A 5' BY 5' TURNING SPACE IS REQUIRED AT THE TOP OF CURB RAMPS
4. MAXIMUM SLOPE OF THE TURNING SPACE IS 2.0% (1.5% IS DESIRABLE)
5. MAXIMUM SLOPE OF THE RAMP AT THE DETECTABLE WARNING SURFACE IS 2.0%
6. EXPANSION JOINTS ARE TO BE PLACED BETWEEN THE CURB RAMP AND THE CURB, AS WELL AS BETWEEN THE CURB RAMP AND THE TURNING SPACE
7. WHERE POSSIBLE, STORM DRAIN INLETS SHALL BE PLACED JUST UPSTREAM OF CURB RAMPS
8. BASE MATERIAL SHALL BE 4" IN THICKNESS OF $\frac{3}{4}$ " WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY

NOT TO SCALE

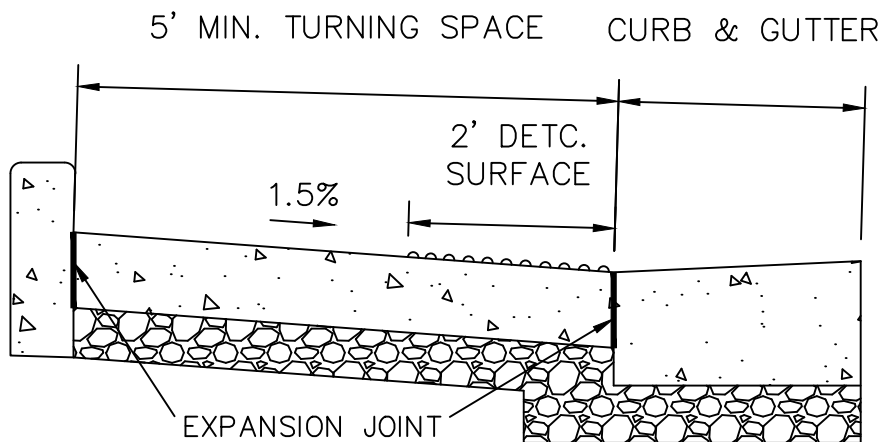
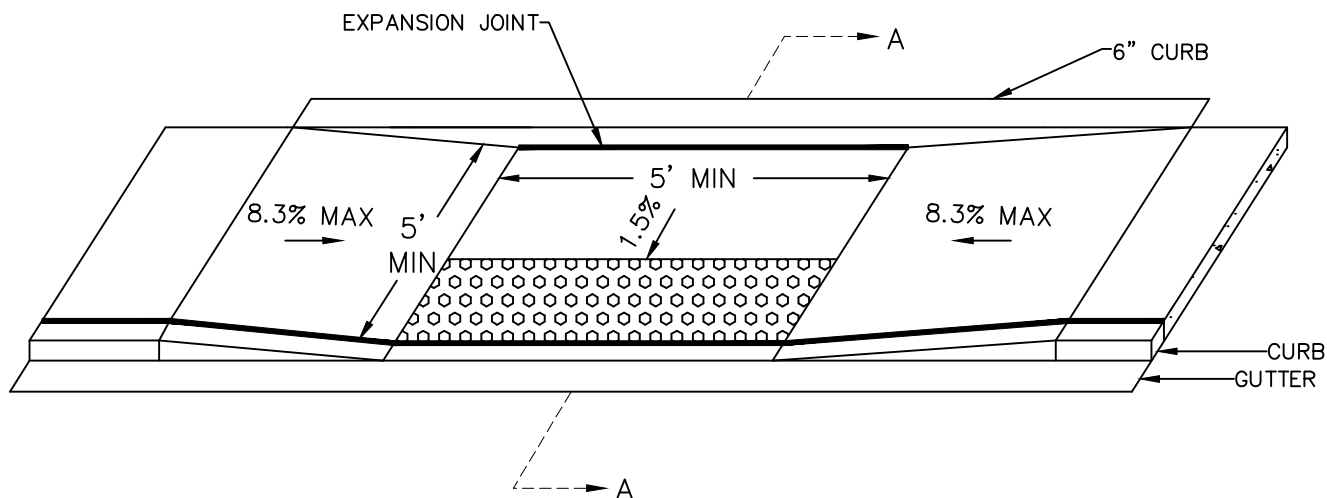
	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES

NON-FLARED CURB RAMP DETAIL

ST-103



SECTION A-A

GENERAL NOTES

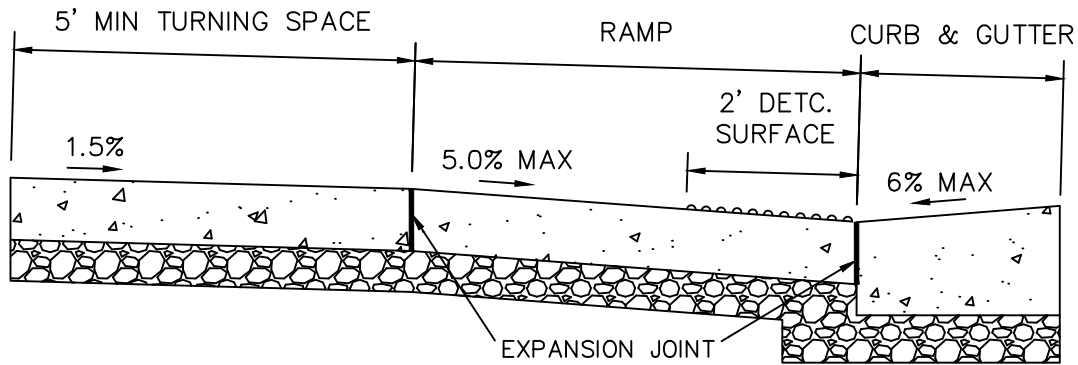
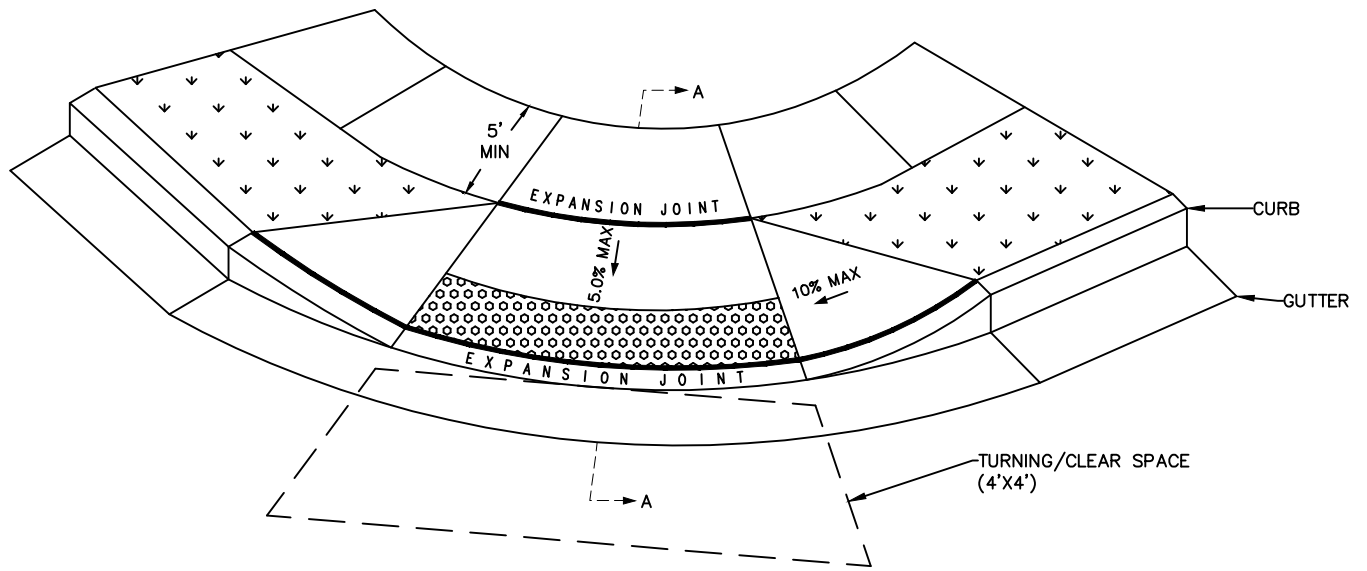
1. ALL DETECTABLE WARNING SURFACES ARE TO BE YELLOW, EXTEND THE WIDTH OF THE CURB RAMP, AND 2' IN THE DIRECTION OF TRAVEL
2. A 5' BY 5' TURNING SPACE IS REQUIRED
3. MAXIMUM SLOPE OF THE TURNING SPACE IS 2.0% (1.5% IS DESIRABLE)
4. EXPANSION JOINTS ARE TO BE PLACED BETWEEN THE CURB RAMP AND THE STREET CURB, AS WELL AS BETWEEN THE CURB RAMP AND THE REAR CURB
6. WHERE POSSIBLE, STORM DRAIN INLETS SHALL BE PLACED JUST UPSTREAM OF CURB RAMPS
7. BASE MATERIAL SHALL BE 4" IN THICKNESS OF $\frac{3}{4}$ " WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY

NOT TO SCALE

	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
PARALLEL CURB RAMP DETAIL
ST-104



SECTION A-A

NOTE: BLENDED TRANSITION CURB RAMPS MAY DIRECT VISUALLY IMPAIRED PEDESTRIANS INTO THE CENTER OF THE INTERSECTION AND SHOULD BE USED AS THE LAST OPTION. APPROVAL FROM THE CITY OF LEBANON ENGINEERING DEPARTMENT IS REQUIRED FOR USE OF BLENDED TRANSITION CURB RAMPS.

GENERAL NOTES

1. ALL DETECTABLE WARNING SURFACES ARE TO BE YELLOW, EXTEND THE WIDTH OF THE CURB RAMP, AND 2' IN THE DIRECTION OF TRAVEL
2. A 5' BY 5' TURNING SPACE IS REQUIRED
3. BLENDED TRANSITION CURB RAMPS SHALL BE LOCATED AT THE APEX OF THE CORNER
4. MAXIMUM SLOPE OF THE TURNING SPACE IS 2.0% (1.5% IS DESIRABLE)
5. EXPANSION JOINTS ARE TO BE PLACED BETWEEN THE CURB RAMP AND THE STREET CURB, AS WELL AS BETWEEN THE CURB RAMP AND THE REAR CURB
6. BASE MATERIAL SHALL BE 4" IN THICKNESS OF $\frac{3}{4}$ " WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY

NOT TO SCALE

[Signature]
 6/12/19
 E.I.T. DATE

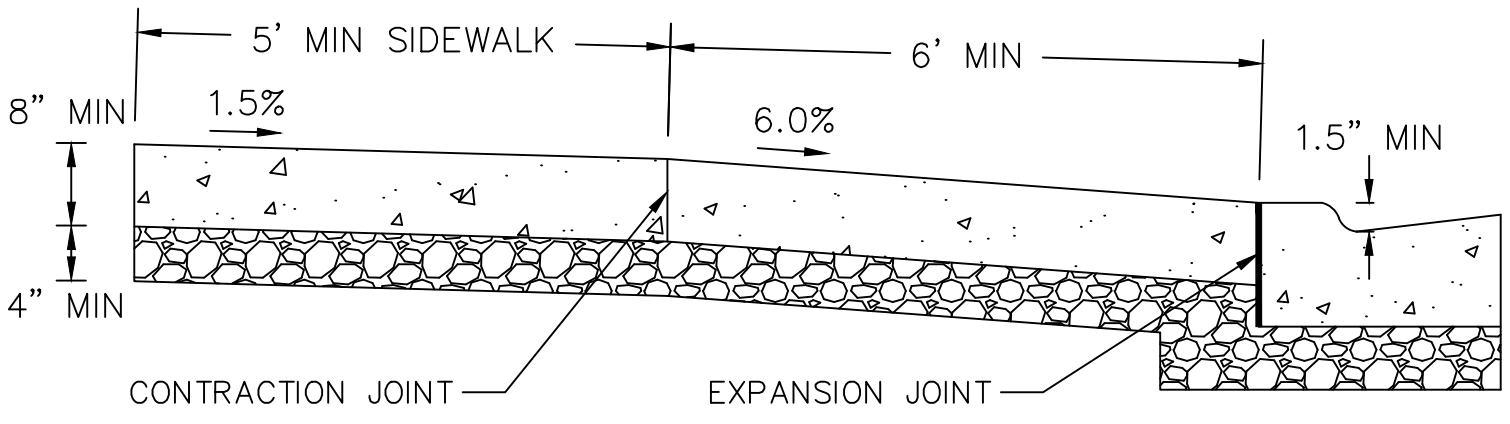
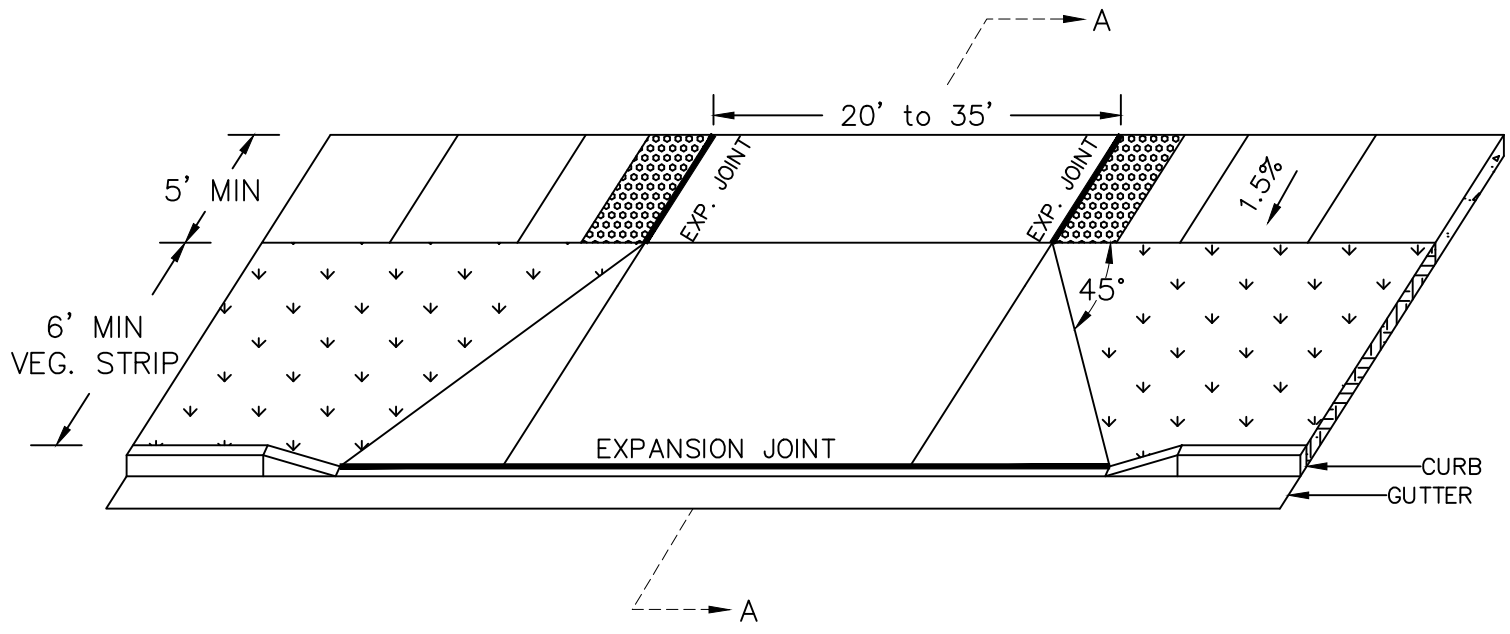
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 6/12/19
 ENG. DIRECTOR DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES

BLENDED TRANSITION CURB RAMP

ST-105



SECTION A-A

GENERAL NOTES

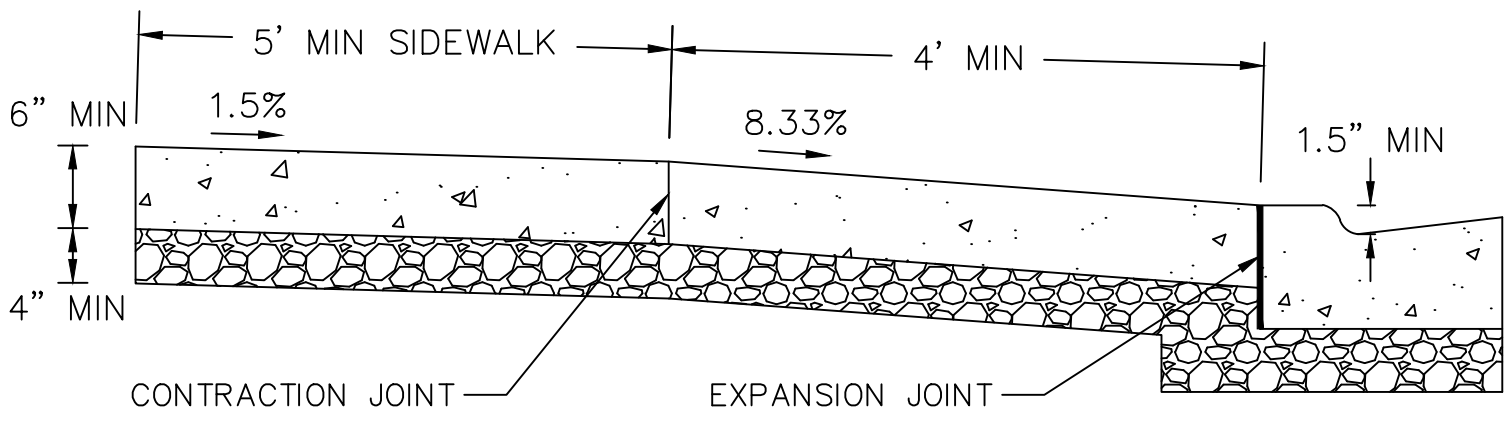
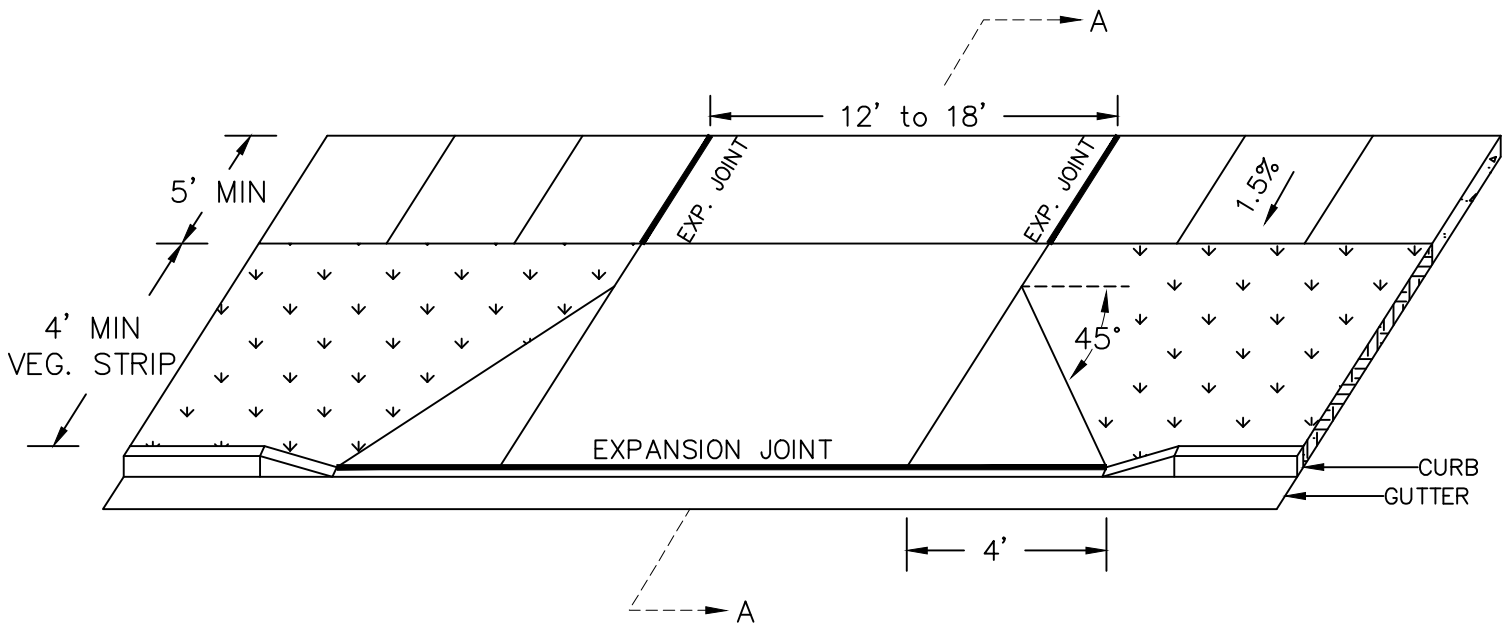
1. ALL COMMERCIAL DRIVEWAYS SHALL HAVE A MIN 8" OF CLASS "A" CONCRETE WITH FIBER REINFORCEMENT
2. BASE MATERIAL SHALL BE 3/4" WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY
3. 5' MINIMUM SIDEWALK WITH MAXIMUM CROSS SLOPE OF 2.0% (1.5% IS DESIRABLE) THROUGH DRIVEWAYS
4. DRIVEWAY SLOPE SHALL BE 6.0% OR LESS
5. DETECTABLE WARNING SURFACES SHALL BE YELLOW, AND SHALL BE CAST IN PLACE ON BOTH SIDES OF COMMERCIAL DRIVEWAYS
6. FOR DRIVEWAYS WITH ISLANDS, EACH DRIVEWAY SHALL BE 16' WIDE
7. FOR LOWERED DRIVEWAYS, SIDEWALKS SHALL MEET THE DRIVEWAY AT APPROPRIATE SLOPES BETWEEN 5.0% AND 8.3%

NOT TO SCALE

	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
COM. DRIVEWAY RAMP DETAIL
ST-200


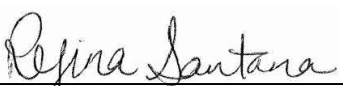


SECTION A-A

GENERAL NOTES

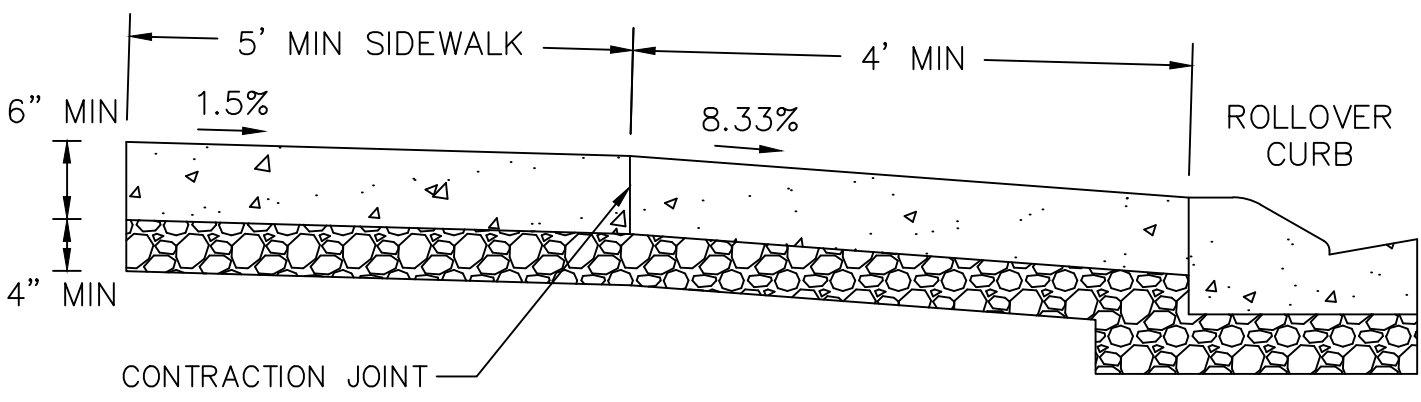
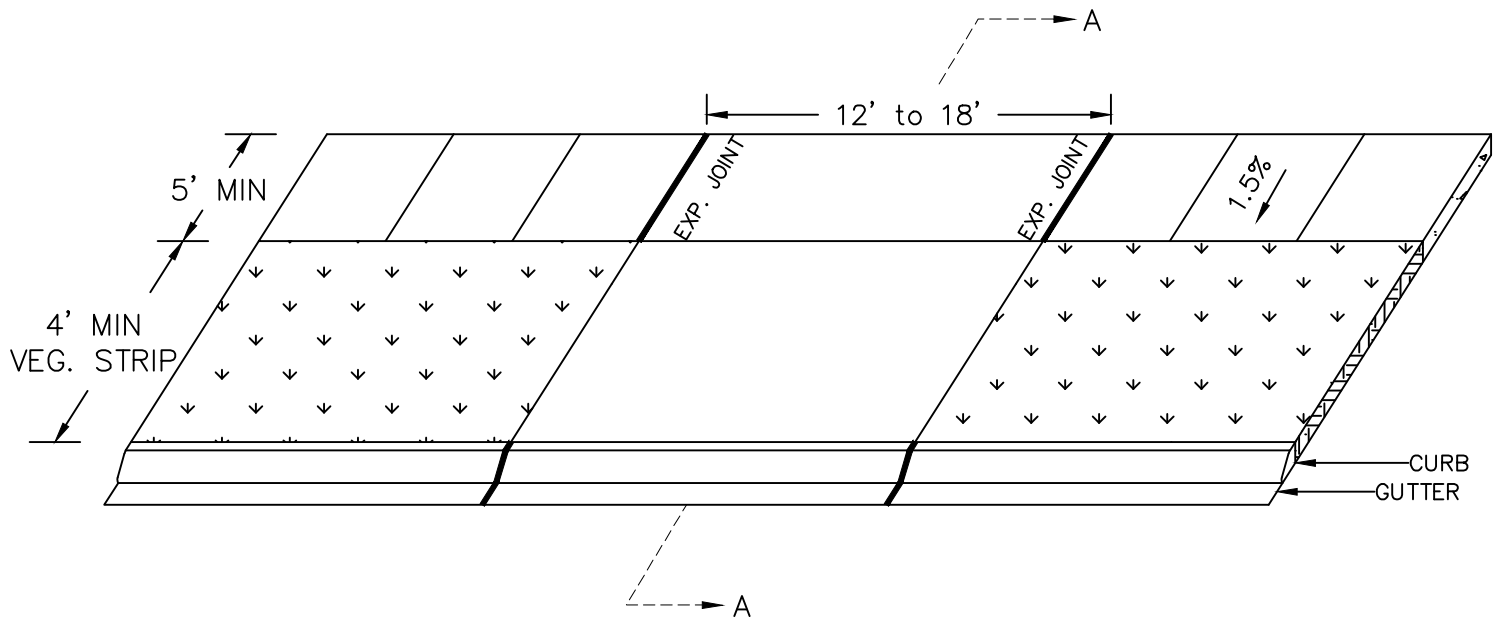
1. ALL RESIDENTIAL DRIVEWAYS SHALL HAVE A MIN 6" OF CLASS "A" CONCRETE WITH FIBER REINFORCEMENT
2. BASE MATERIAL SHALL BE 3/4" WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY
3. 5' MINIMUM SIDEWALK WITH MAXIMUM CROSS SLOPE OF 2.0% (1.5% IS DESIRABLE) THROUGH DRIVEWAYS
4. DRIVEWAY SLOPE SHALL BE 8.33% OR LESS
5. FOR DRIVEWAYS WITH LESS THAN 4' OF VEGETATIVE STRIP, THE MINIMUM DRIVEWAY WIDTH SHALL BE 20' AND SHALL STILL WIDEN FROM THE SIDEWALK TO THE ROAD AT AN ANGLE OF 45 DEGREES
6. FOR LOWERED DRIVEWAYS, SIDEWALKS SHALL MEET THE DRIVEWAY AT APPROPRIATE SLOPES BETWEEN 5.0% AND 8.3%

NOT TO SCALE

	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
RES. DRIVEWAY RAMP DETAIL
ST-201



SECTION A-A

GENERAL NOTES

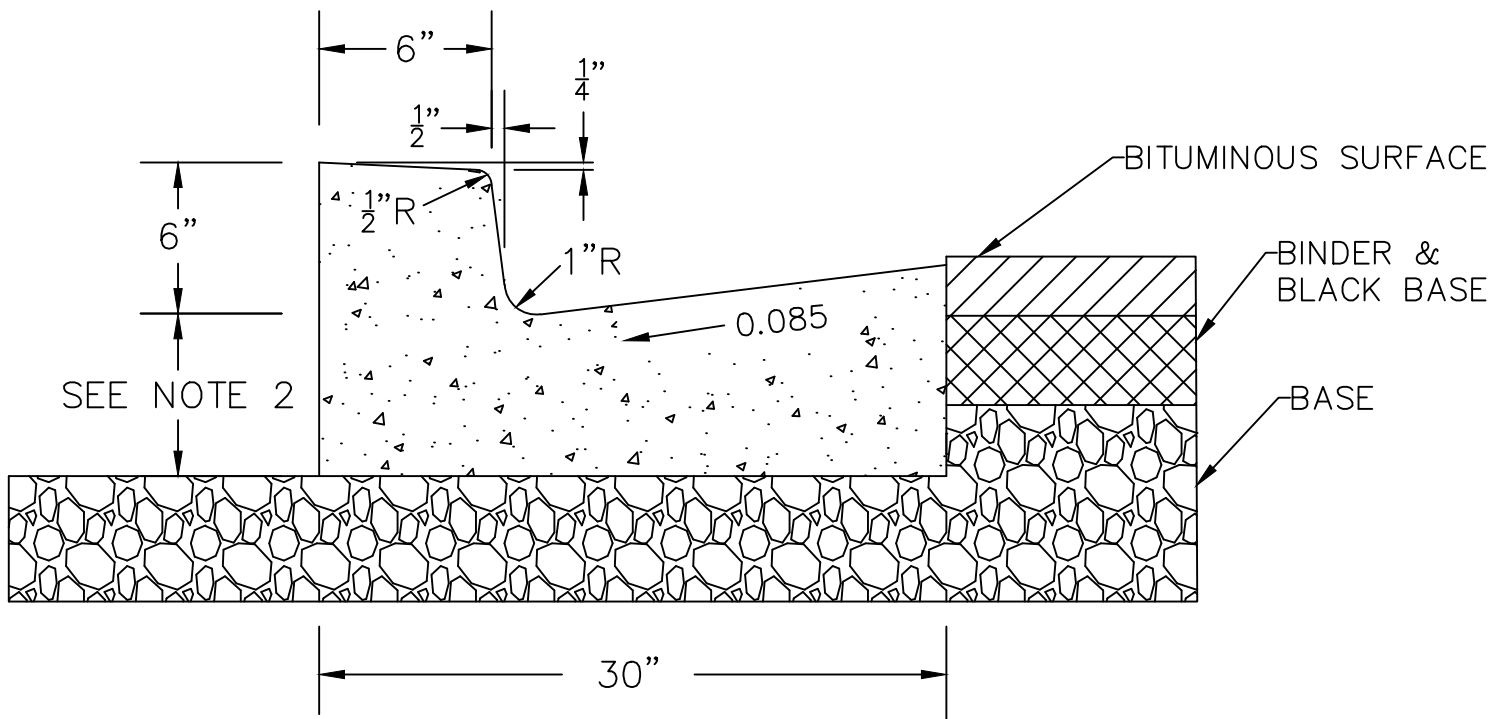
1. ALL RESIDENTIAL DRIVEWAYS SHALL HAVE A MIN 6" OF CLASS "A" CONCRETE WITH FIBER REINFORCEMENT
2. BASE MATERIAL SHALL BE $\frac{3}{4}$ " WASHED CRUSHED STONE, COMPACTED TO 98% MAX DRY DENSITY
3. 5' MINIMUM SIDEWALK WITH MAXIMUM CROSS SLOPE OF 2.0% (1.5% IS DESIRABLE) THROUGH DRIVEWAYS
4. DRIVEWAY SLOPE SHALL BE 8.33% OR LESS
5. FOR DRIVEWAYS WITH LESS THAN 4' OF VEGETATIVE STRIP, THE MINIMUM DRIVEWAY WIDTH SHALL BE 20'
6. FOR LOWERED DRIVEWAYS, SIDEWALKS SHALL MEET THE DRIVEWAY AT APPROPRIATE SLOPES BETWEEN 5.0% AND 8.3%
7. NO STORM DRAIN CASTINGS SHALL BE PERMITTED WITHIN DRIVEWAY ACCESS ZONE
8. SEE ST-303

NOT TO SCALE

	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
RES. ROLLOVER CURB DRIVEWAY
ST-202

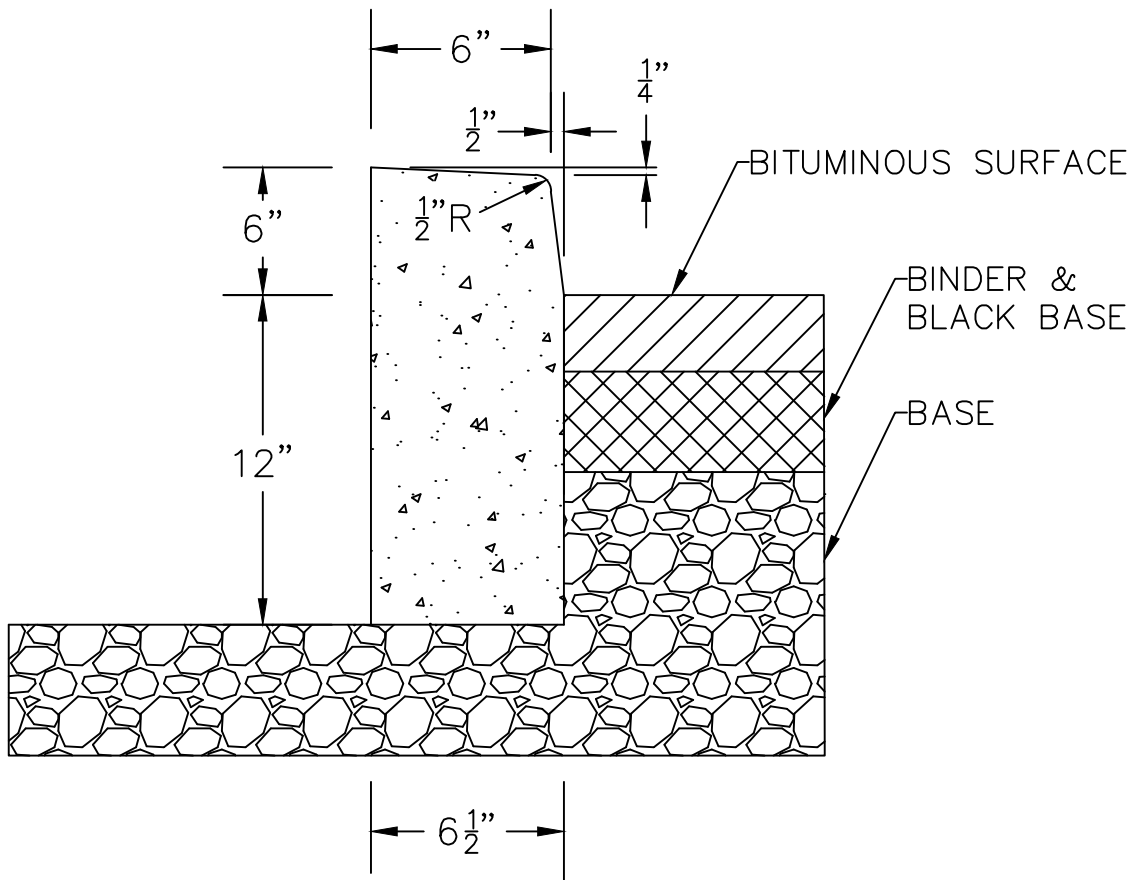


GENERAL NOTES

1. MATERIAL USED FOR CONSTRUCTION SHALL BE CLASS "A" CONCRETE 4,000 PSI MIX
2. CURB AND GUTTER DEPTH WILL VARY DEPENDING ON THE STREET CLASSIFICATION
3. THE SLOPE OF THE GUTTER FROM THE ROAD TO THE CURB SHALL BE 0.085 (A TOTAL DROP OF 2" IN ELEVATION)
4. THE SURFACE OF THE ROAD SHALL BE 1/4" HIGHER THAN THE GUTTER AT THE POINT FURTHEST FROM THE CURB
5. EXPANSION JOINTS SHALL BE PLACED AT TANGENT POINTS OF CIRCULAR CURBS, BETWEEN CURBS AND ABUTTING RIGID OBJECTS, PLACES WHERE STRESSES MAY DEVELOP, POINTS WHERE ADJACENT CONCRETE PAVEMENT JOINTS ARE LOCATED, AND AT MAXIMUM INTERVALS OF 100'
6. CONTRACTION JOINTS ARE TO BE PLACED EVERY 10'. SPACING MAY BE REDUCED TO, BUT NO LESS THAN, 6' FOR CLOSURES
7. STORM DRAIN CASTINGS SHALL MATCH THE PROFILE OF THE CURB AND GUTTER

NOT TO SCALE

 E.I.T.	6/12/19 DATE	CITY OF LEBANON	DEP. OF PUBLIC SERVICES
 REGINA SANTANA ENG. DIRECTOR	6/12/19 DATE		COM. 6" CURB & GUTTER
			ST-300

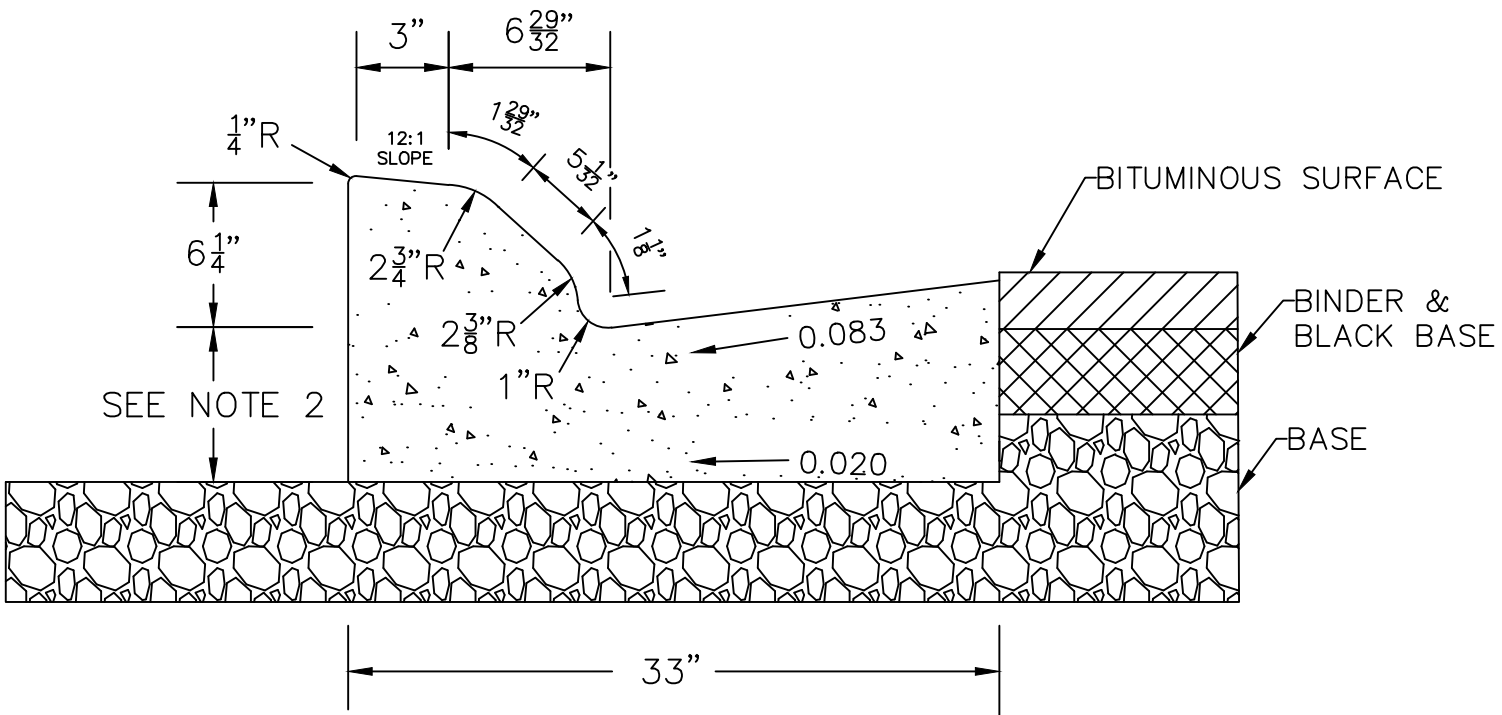


GENERAL NOTES

1. MATERIAL USED FOR CONSTRUCTION SHALL BE CLASS "A" CONCRETE 4,000 PSI MIX
2. EXPANSION JOINTS SHALL BE PLACED AT TANGENT POINTS OF CIRCULAR CURBS, BETWEEN CURBS AND ABUTTING RIGID OBJECTS, PLACES WHERE STRESSES MAY DEVELOP, POINTS WHERE ADJACENT CONCRETE PAVEMENT JOINTS ARE LOCATED, AND AT MAXIMUM INTERVALS OF 100'
3. CONTRACTION JOINTS ARE TO BE PLACED EVERY 10'. SPACING MAY BE REDUCED TO, BUT NO LESS THAN, 6' FOR CLOSURES
4. STORM DRAIN CASTINGS SHALL MATCH THE PROFILE OF THE CURB AND GUTTER

NOT TO SCALE

 6/12/19 E.I.T. DATE	<h2>CITY OF LEBANON</h2>	DEP. OF PUBLIC SERVICES
 6/12/19 ENG. DIRECTOR DATE		COM. 6" DETACHED CURB
<h1>ST-301</h1>		

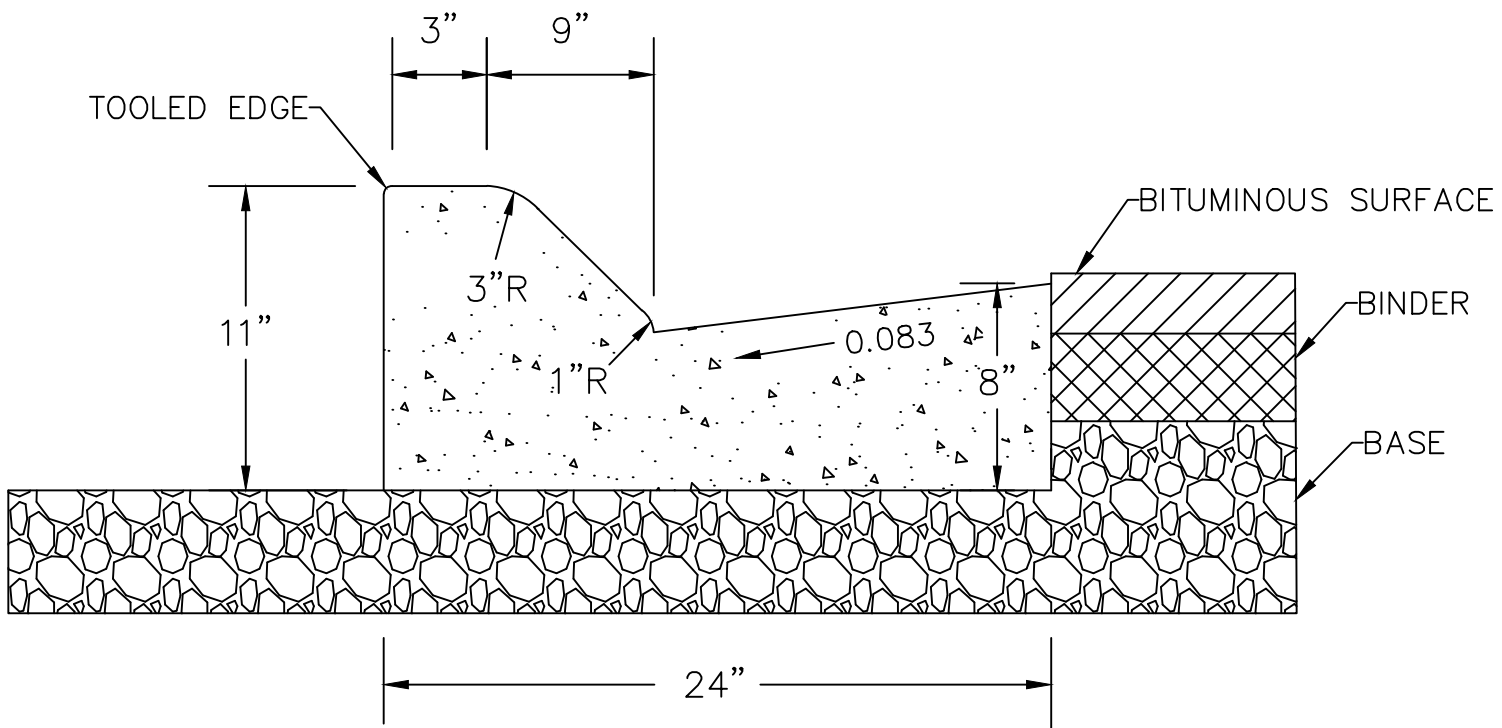


GENERAL NOTES

1. MATERIAL USED FOR CONSTRUCTION SHALL BE CLASS "A" CONCRETE 4,000 PSI MIX
2. CURB AND GUTTER DEPTH WILL VARY DEPENDING ON THE STREET CLASSIFICATION
3. THE SLOPE OF THE GUTTER FROM THE ROAD TO THE CURB SHALL BE 0.083
4. THE SURFACE OF THE ROAD SHALL BE 1/4" HIGHER THAN THE GUTTER AT THE POINT FURTHEST FROM THE CURB
5. EXPANSION JOINTS SHALL BE PLACED AT TANGENT POINTS OF CIRCULAR CURBS, BETWEEN CURBS AND ABUTTING RIGID OBJECTS, PLACES WHERE STRESSES MAY DEVELOP, POINTS WHERE ADJACENT CONCRETE PAVEMENT JOINTS ARE LOCATED, AND AT MAXIMUM INTERVALS OF 100'
6. CONTRACTION JOINTS ARE TO BE PLACED EVERY 10'. SPACING MAY BE REDUCED TO, BUT NO LESS THAN, 6' FOR CLOSURES
7. STORM DRAIN CASTINGS SHALL MATCH THE PROFILE OF THE CURB AND GUTTER

NOT TO SCALE

		DEP. OF PUBLIC SERVICES
6/12/19	DATE	COM. 6" SLOPING CURB & GUTTER
E.I.T.	DATE	ST-302
	6/12/19	
ENG. DIRECTOR	DATE	
CITY OF LEBANON		

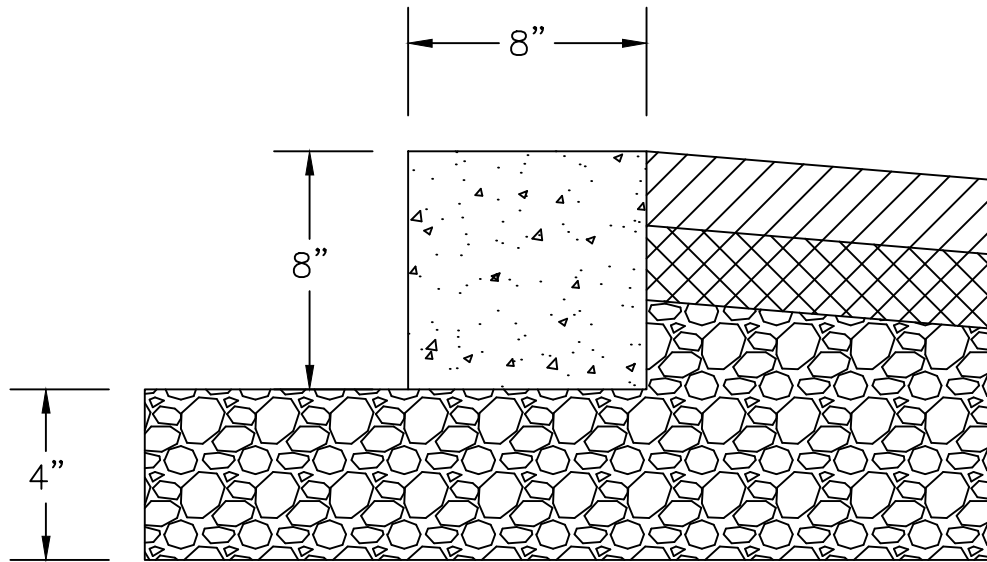


GENERAL NOTES

1. MATERIAL USED FOR CONSTRUCTION SHALL BE CLASS "A" CONCRETE 4,000 PSI MIX
2. THE SLOPE OF THE GUTTER FROM THE ROAD TO THE CURB SHALL BE 0.083
3. THE SURFACE OF THE ROAD SHALL BE $\frac{1}{4}$ " HIGHER THAN THE GUTTER AT THE POINT FURTHEST FROM THE CURB
4. EXPANSION JOINTS SHALL BE PLACED AT TANGENT POINTS OF CIRCULAR CURBS, BETWEEN CURBS AND ABUTTING RIGID OBJECTS, PLACES WHERE STRESSES MAY DEVELOP, POINTS WHERE ADJACENT CONCRETE PAVEMENT JOINTS ARE LOCATED, AND AT MAXIMUM INTERVALS OF 100'
5. CONTRACTION JOINTS ARE TO BE PLACED EVERY 10'. SPACING MAY BE REDUCED TO, BUT NO LESS THAN, 6' FOR CLOSURES
6. STORM DRAIN CASTINGS SHALL MATCH THE PROFILE OF THE CURB AND GUTTER

NOT TO SCALE

 6/12/19 E.I.T. DATE	CITY OF LEBANON	DEP. OF PUBLIC SERVICES
 6/12/19 ENG. DIRECTOR DATE		RES. ROLLOVER CURB
ST-303		

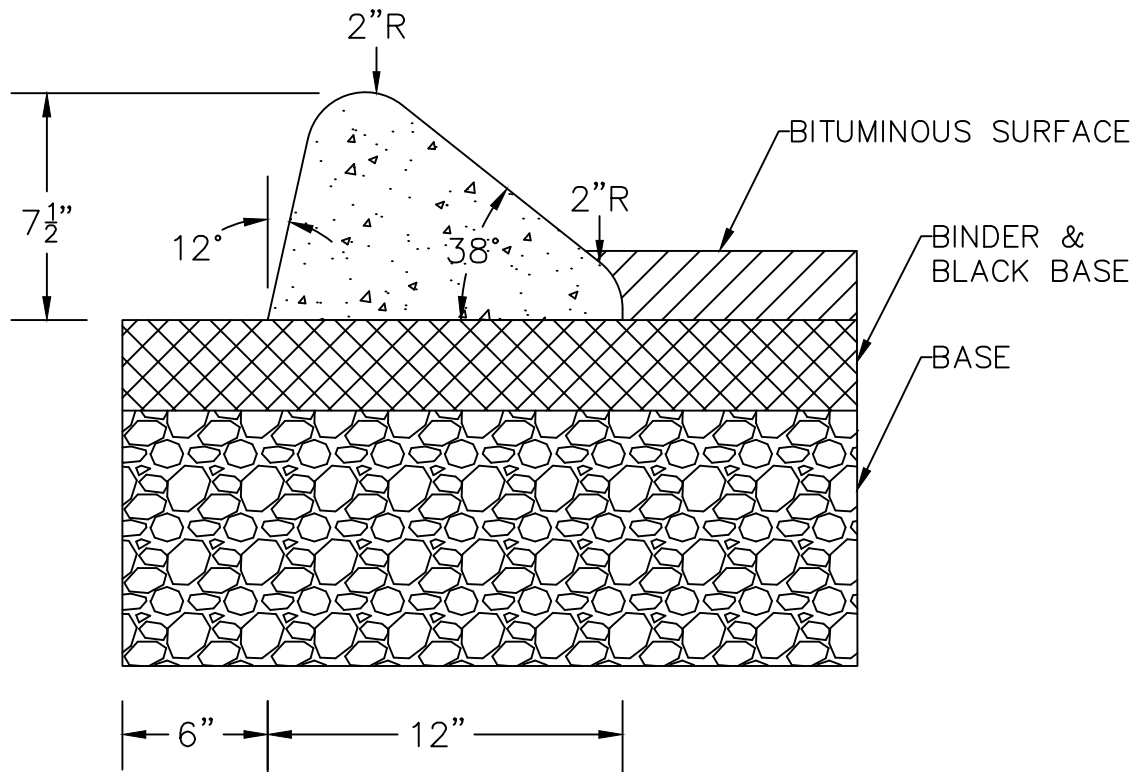


GENERAL NOTES

1. MATERIAL USED FOR CONSTRUCTION SHALL BE CLASS "A" CONCRETE 4,000 PSI MIX
2. EXPANSION JOINTS SHALL BE PLACED AT TANGENT POINTS OF CIRCULAR CURBS, BETWEEN CURBS AND ABUTTING RIGID OBJECTS, PLACES WHERE STRESSES MAY DEVELOP, POINTS WHERE ADJACENT CONCRETE PAVEMENT JOINTS ARE LOCATED, AND AT MAXIMUM INTERVALS OF 100'
3. CONTRACTION JOINTS ARE TO BE PLACED EVERY 10'. SPACING MAY BE REDUCED TO, BUT NO LESS THAN, 6' FOR CLOSURES

NOT TO SCALE

 6/12/19 DATE	CITY OF LEBANON	DEP. OF PUBLIC SERVICES
E.I.T.		ALLEY RIBBON CURB
 6/12/19 ENG. DIRECTOR DATE		ST-304

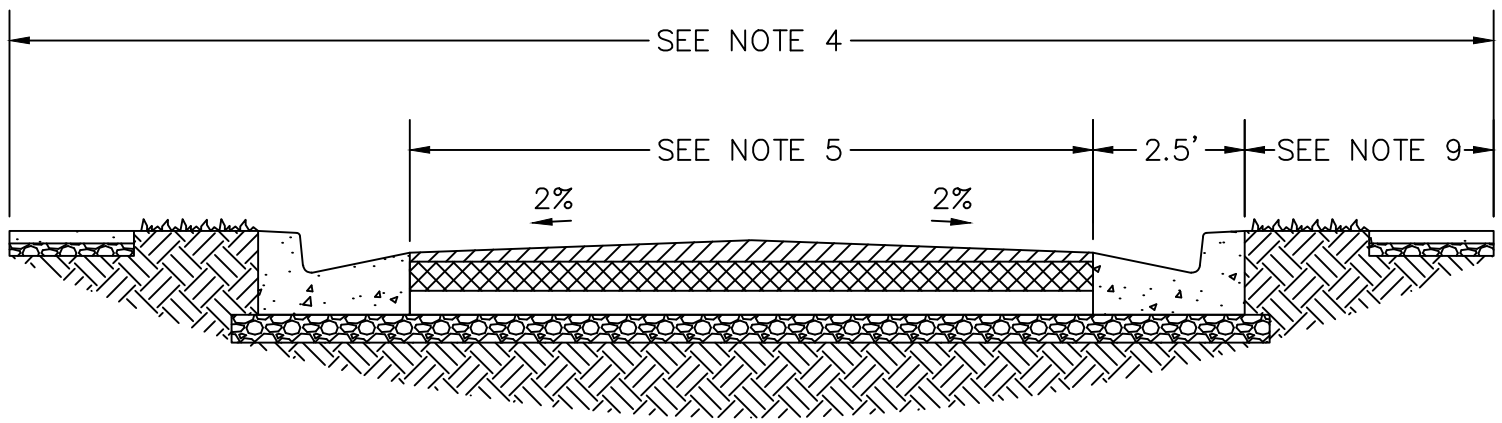


GENERAL NOTES

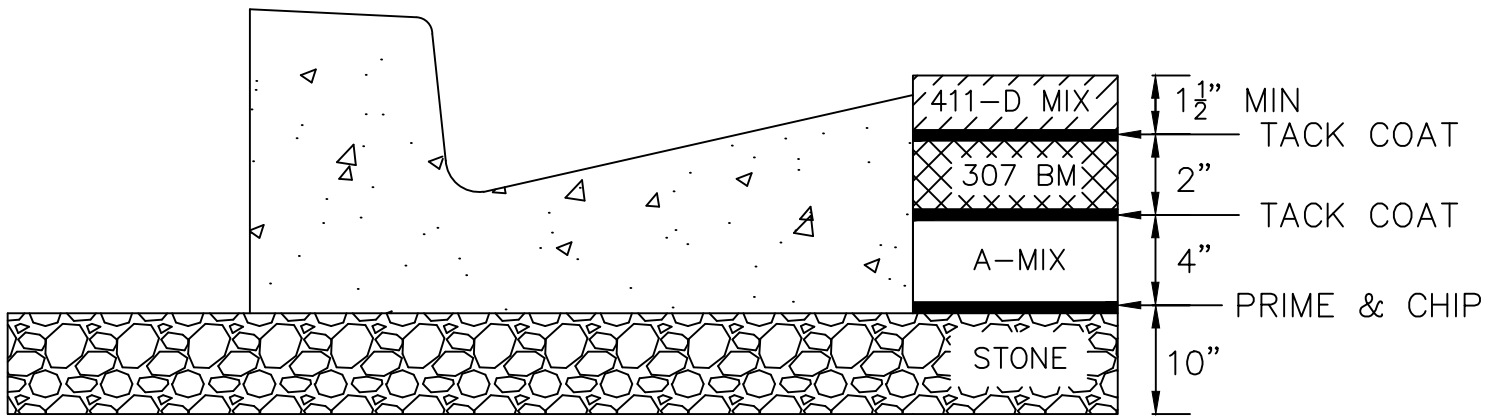
1. MATERIAL USED FOR CONSTRUCTION SHALL BE CLASS "A" CONCRETE 4,000 PSI MIX
2. EXPANSION JOINTS SHALL BE PLACED AT TANGENT POINTS OF CIRCULAR CURBS, BETWEEN CURBS AND ABUTTING RIGID OBJECTS, PLACES WHERE STRESSES MAY DEVELOP, POINTS WHERE ADJACENT CONCRETE PAVEMENT JOINTS ARE LOCATED, AND AT MAXIMUM INTERVALS OF 100'
3. CONTRACTION JOINTS ARE TO BE PLACED EVERY 10'. SPACING MAY BE REDUCED TO, BUT NO LESS THAN, 6' FOR CLOSURES

NOT TO SCALE

 E.I.T.	6/12/19 DATE	CITY OF LEBANON	DEP. OF PUBLIC SERVICES
 REGINA SANTANA ENG. DIRECTOR	6/12/19 DATE		6" EXTRUDED CURB
			ST-305



CROSS SECTION



PAVEMENT PROFILE

GENERAL NOTES

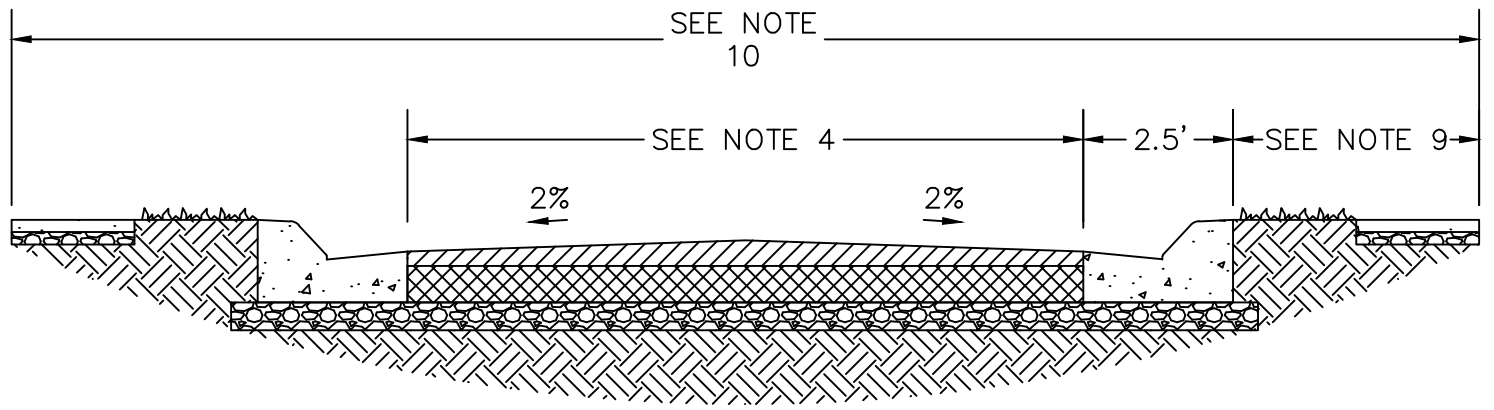
1. MAJOR ARTERIAL & COLLECTOR STREETS ARE TO HAVE A DESIGN SPEED OF 50 MPH
2. MINOR ARTERIAL STREETS ARE TO HAVE A DESIGN SPEED OF 45 MPH
3. LOCAL STREETS ARE TO HAVE A DESIGN SPEED OF 35 MPH
4. MINIMUM RIGHT-OF-WAY WIDTH IS 80' FOR MINOR ARTERIAL STREETS, 100' FOR MAJOR ARTERIAL STREETS, AND 60' FOR COLLECTOR AND LOCAL STREETS
5. ARTERIAL STREETS REQUIRE A MINIMUM OF 3 TRAFFIC LANES, EACH BEING 12' IN WIDTH. COLLECTOR AND LOCAL STREETS REQUIRE A MINIMUM OF 2 TRAFFIC LANES, EACH BEING 12' IN WIDTH
6. THE MAXIMUM GRADE OF ARTERIAL STREETS SHALL BE 6%. THE MAXIMUM GRADE OF COLLECTOR & LOCAL STREETS SHALL BE 7%
7. STREETS ARE TO HAVE A CROWN OF 2% UNLESS TOLD OTHERWISE
8. SEE ST-100
9. SEE ST-300
10. STREETS ARE TO BE DESIGNED IN COMPLIANCE WITH THE SUBDIVISION REGULATIONS

NOT TO SCALE

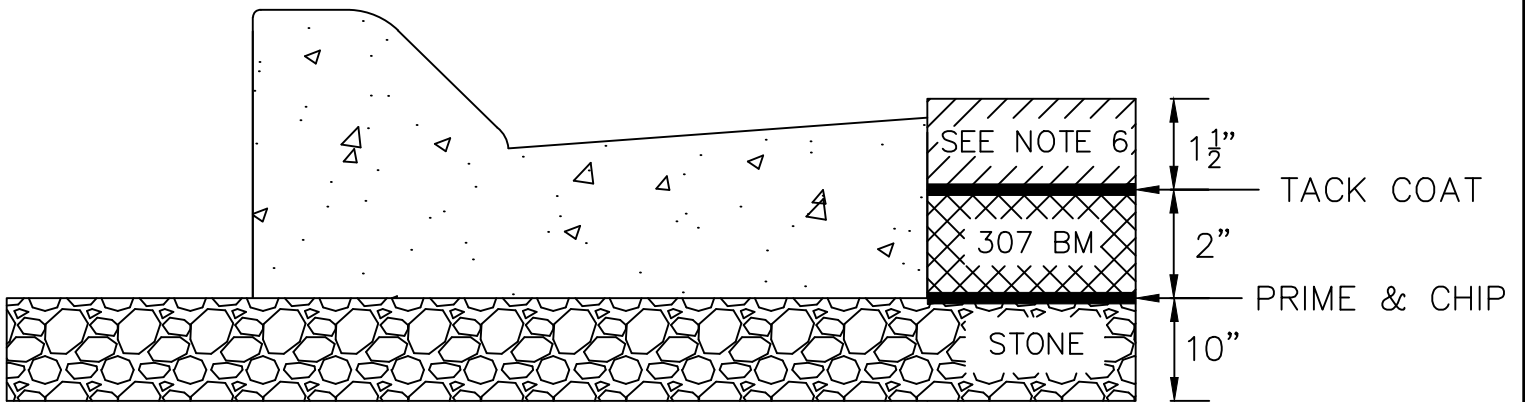
	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
COMMERCIAL/INDUSTRIAL STREET
ST-400



CROSS SECTION



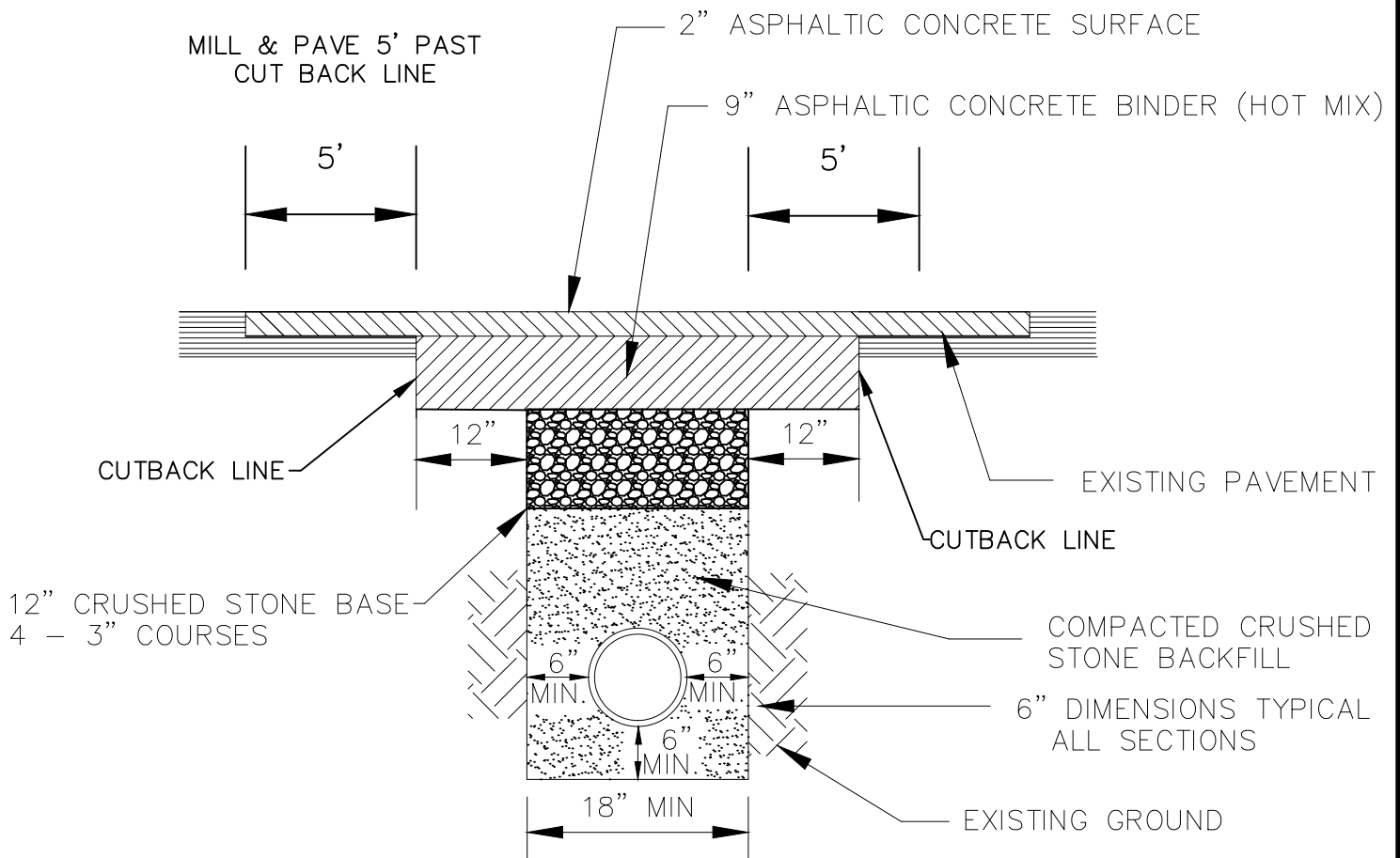
PAVEMENT PROFILE

GENERAL NOTES

1. MAJOR COLLECTOR STREETS ARE TO HAVE A DESIGN SPEED OF 45 MPH
2. MINOR COLLECTOR STREETS ARE TO HAVE A DESIGN SPEED OF 35 MPH
3. LOCAL STREETS ARE TO HAVE A DESIGN SPEED OF 35 MPH UNLESS OTHERWISE APPROVED BY THE CITY'S ENGINEERING DEPARTMENT
4. RESIDENTIAL STREETS REQUIRE 2 TRAFFIC LANES, EACH BEING 12' IN WIDTH FOR MAJOR COLLECTOR STREETS AND 11' IN WIDTH FOR MINOR COLLECTOR STREETS AND LOCAL STREETS
5. FOR LOCAL STREETS 411 E MIX IS TO BE USED. FOR COLLECTOR STREETS 411 D MIX OR 411 E MIX MAY BE USED UPON APPROVAL FROM THE CITY'S ENGINEERING DEPARTMENT
6. THE MAXIMUM GRADE SHALL BE 7%
7. STREETS ARE TO HAVE A CROWN OF 2% UNLESS TOLD OTHERWISE
8. SEE ST-100
9. SEE ST-303
10. MINIMUM RIGHT-OF-WAY WIDTHS SHALL BE 60' FOR COLLECTOR STREETS AND 50' FOR LOCAL STREETS
11. STREETS ARE TO BE DESIGNED IN COMPLIANCE WITH THE SUBDIVISION REGULATIONS

NOT TO SCALE

 E.I.T.	6/12/19 DATE	CITY OF LEBANON	DEP. OF PUBLIC SERVICES
 REGINA SANTANA	6/12/19 DATE		RESIDENTIAL STREET
		ST-401	



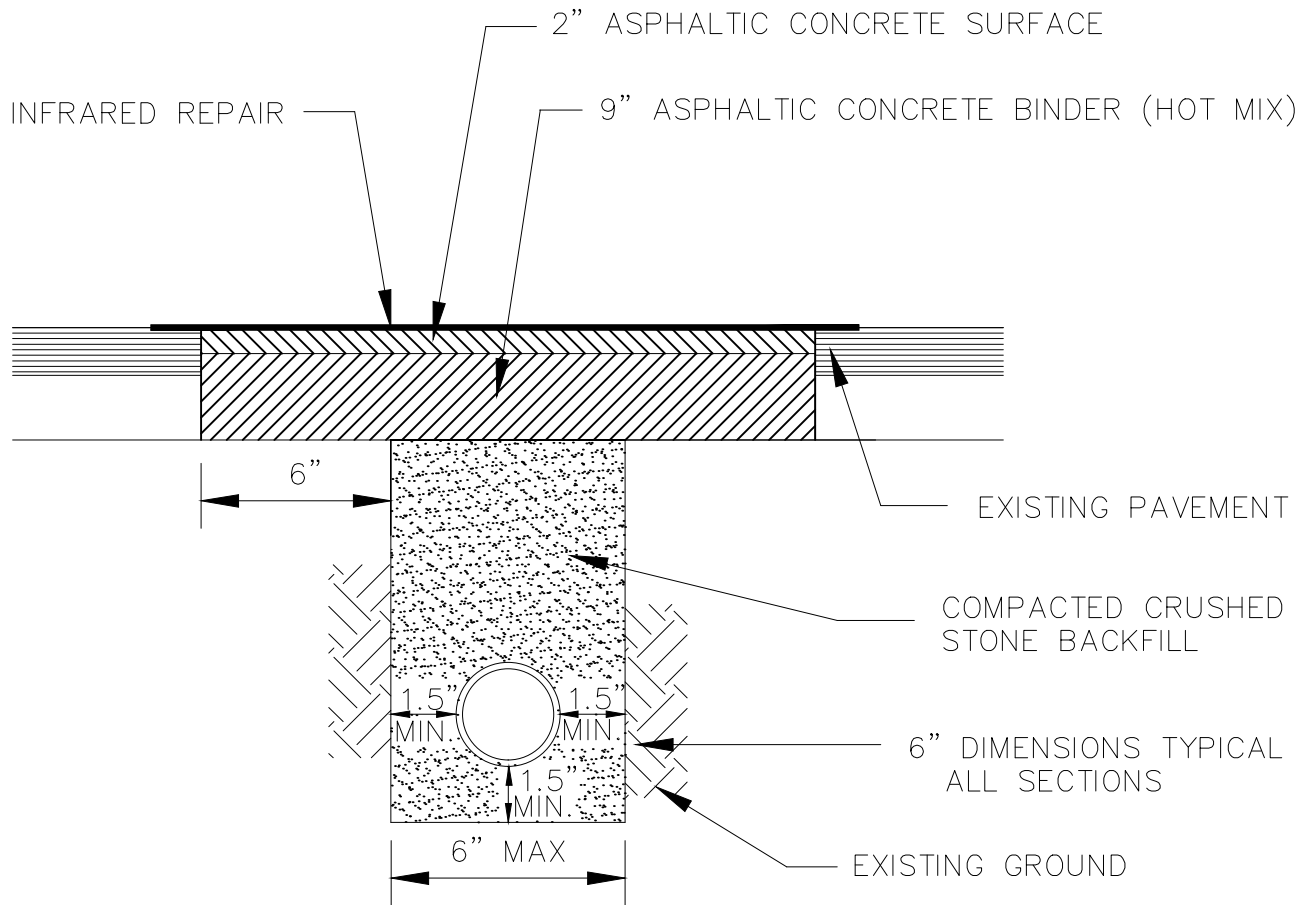
TYPICAL SECTION ASPHALT PAVEMENT – TYPE A

GENERAL NOTES

1. A CITY INSPECTOR IS TO BE PRESENT FOR TRENCH REPAIR INSTALLATION
2. ALL TRENCH REPAIR WORK SHALL HAVE A WARRANTY PERIOD OF 1 YEAR AFTER THE ACCEPTANCE DATE
3. EDGE OF PAVEMENT SHALL BE SAW CUT 12" PAST TRENCH ON ALL SIDES AS NECESSARY TO OBTAIN NEAT LINES
4. MINIMUM TRENCH WIDTH SHALL BE 18" TO ALLOW FOR PLATE COMPACTOR
5. ALL PAVEMENT MARKINGS AFFECTED BY CONSTRUCTIONS MUST BE REPLACED

NOT TO SCALE

 6/12/19 DATE	<h2>CITY OF LEBANON</h2>	DEP. OF PUBLIC SERVICES
 6/12/19 DATE		TRENCH REPAIR
ENG. DIRECTOR		<h3>ST-402</h3>



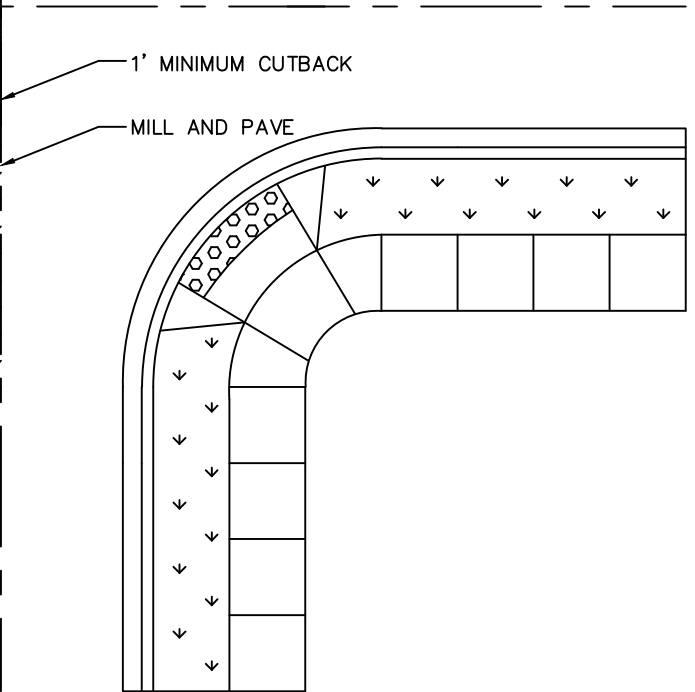
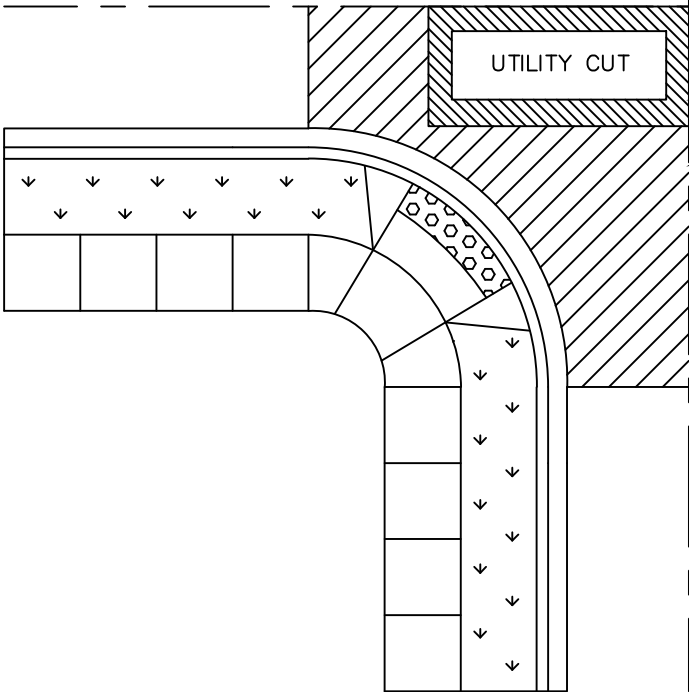
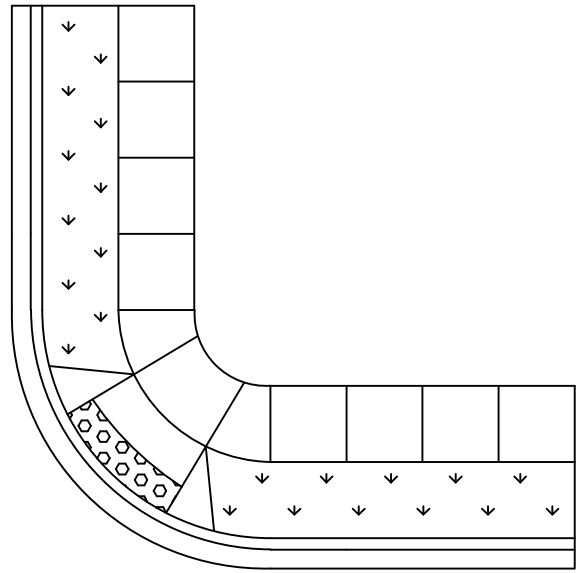
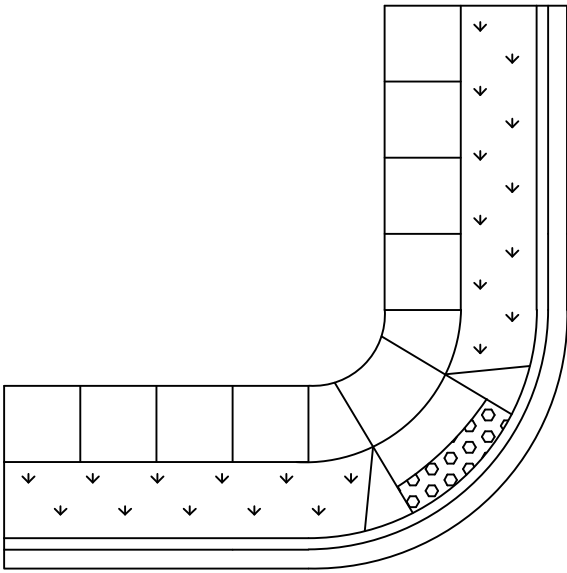
TYPICAL SECTION ASPHALT PAVEMENT – TYPE A

GENERAL NOTES

1. A CITY INSPECTOR IS TO BE PRESENT FOR TRENCH REPAIR INSTALLATION
2. ALL TRENCH REPAIR WORK SHALL HAVE A WARRANTY PERIOD OF 1 YEAR AFTER THE ACCEPTANCE DATE
3. EDGE OF PAVEMENT SHALL BE SAW CUT 12" PAST TRENCH ON ALL SIDES AS NECESSARY TO OBTAIN NEAT LINES
4. INFRARED REPAIR SHALL BE REQUIRED ON NARROW TRENCHES
5. ALL PAVEMENT MARKINGS AFFECTED BY CONSTRUCTIONS MUST BE REPLACED

NOT TO SCALE

 6/12/19 DATE	CITY OF LEBANON	DEP. OF PUBLIC SERVICES
 6/12/19 DATE		NARROW TRENCH REPAIR
ENG. DIRECTOR		ST-403



UTILITY CUT

1' MINIMUM CUTBACK

MILL AND PAVE

CL

NOT TO SCALE

[Signature]
 E.I.T. 6/12/19
 DATE

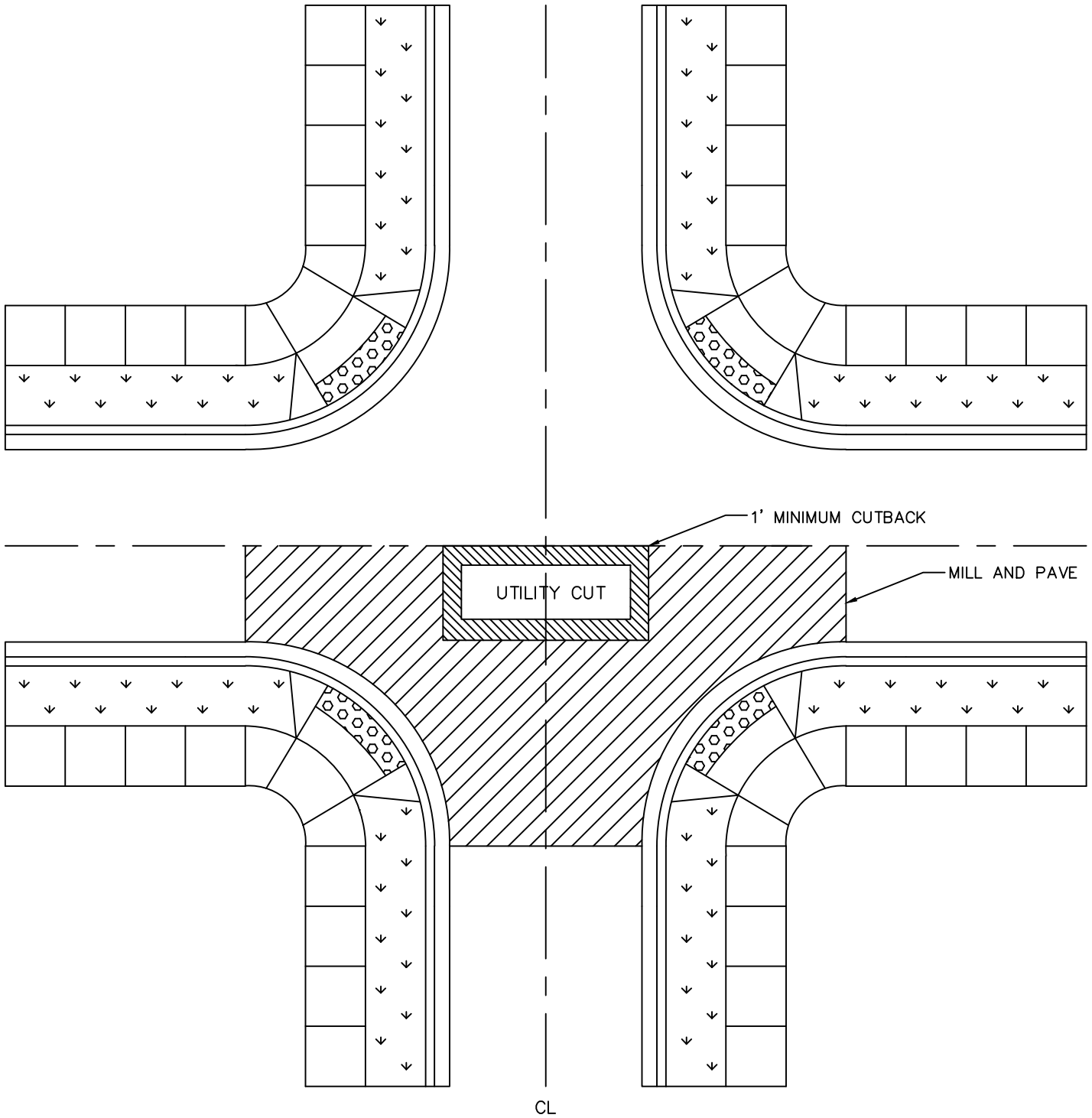
[Signature]
 Eng. Director Regina Santana 6/12/19
 DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES

1/4 INTERSECTION REPAIR

ST-404



NOT TO SCALE

[Signature]
 E.I.T. 6/12/19
 DATE

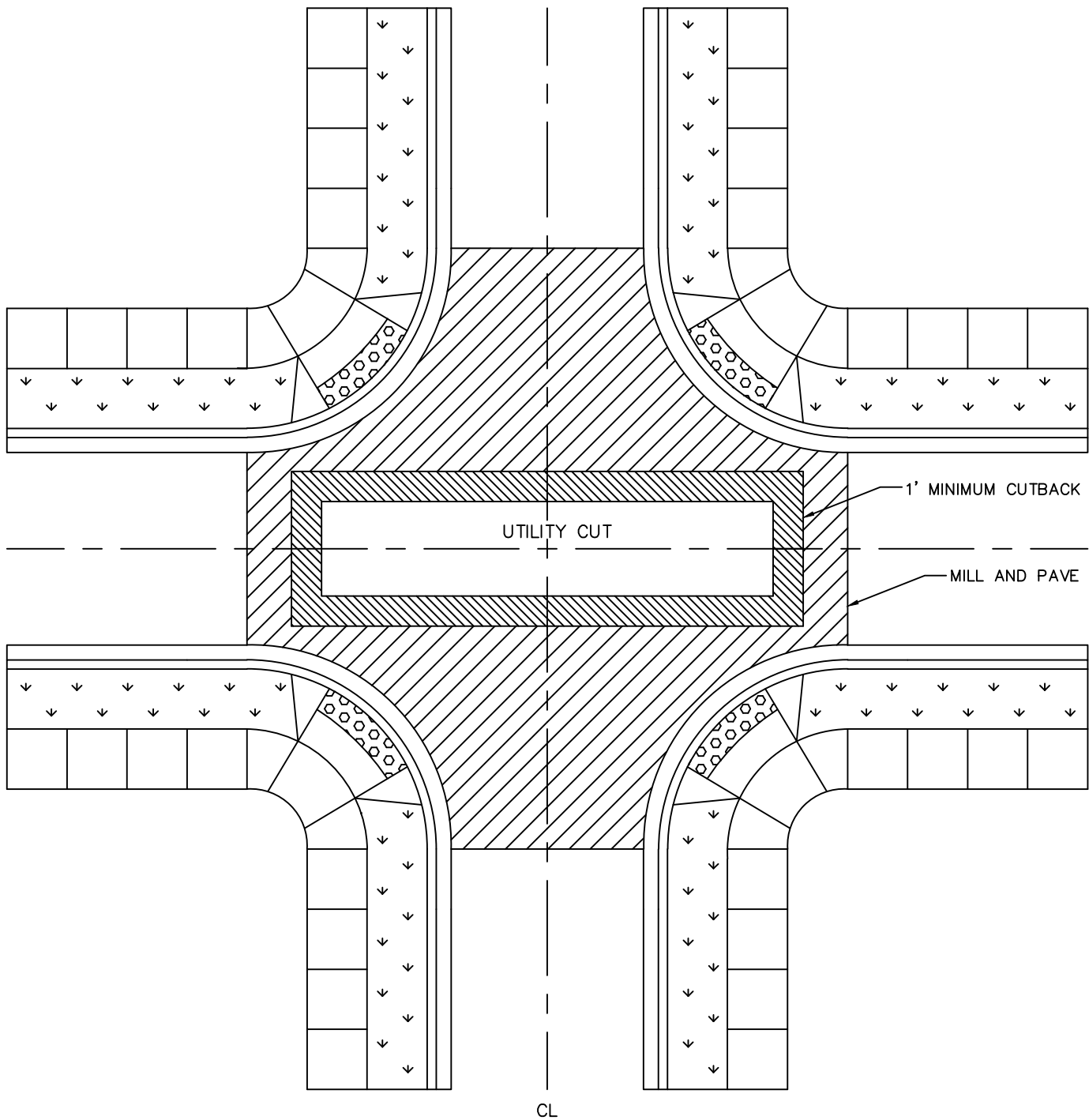
Regina Santana
 ENG. DIRECTOR 6/12/19
 DATE

CITY OF LEBANON


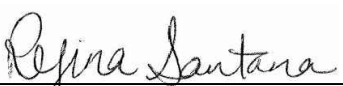
DEP. OF PUBLIC SERVICES

1/2 INTERSECTION REPAIR

ST-405

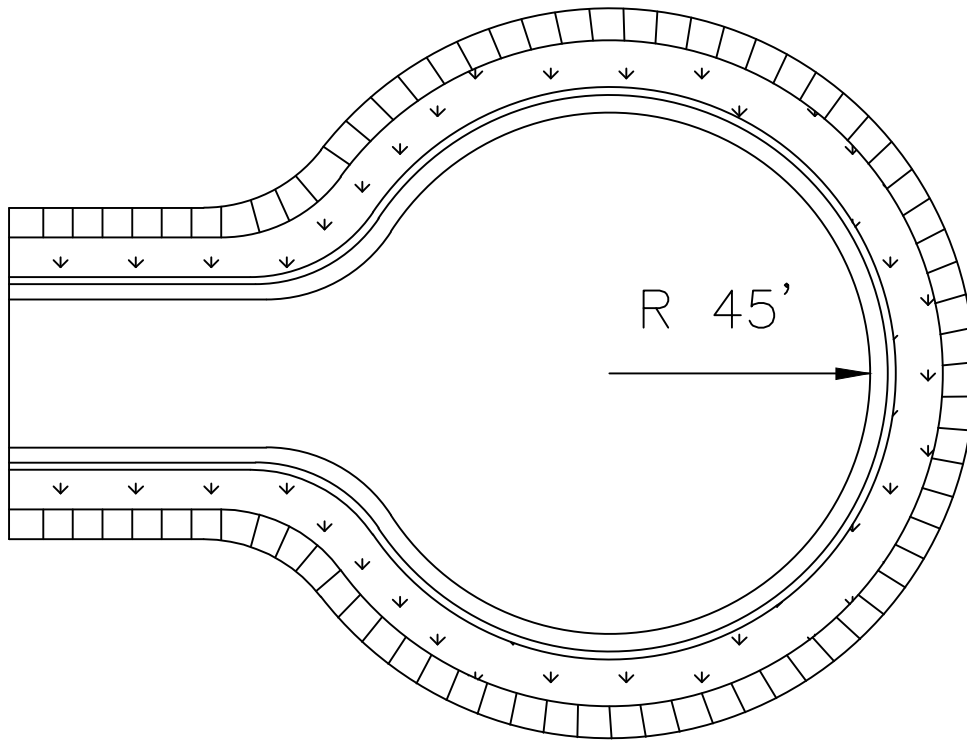


NOT TO SCALE

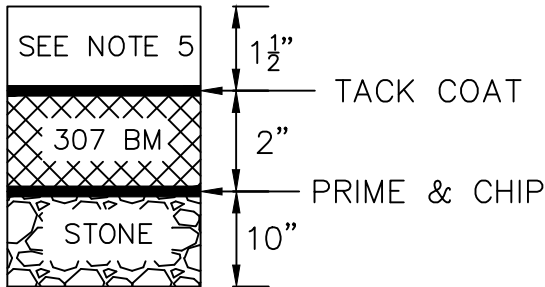
	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

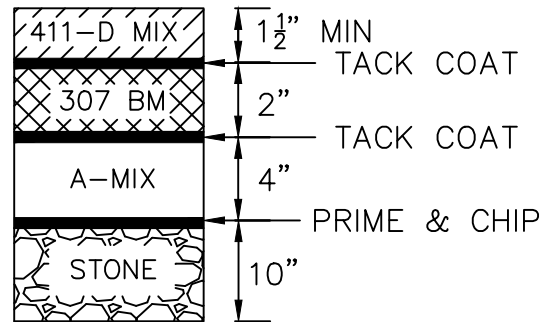
DEP. OF PUBLIC SERVICES
FULL INTERSECTION REPAIR
ST-406



LAYOUT



RESIDENTIAL
PAVEMENT PROFILE



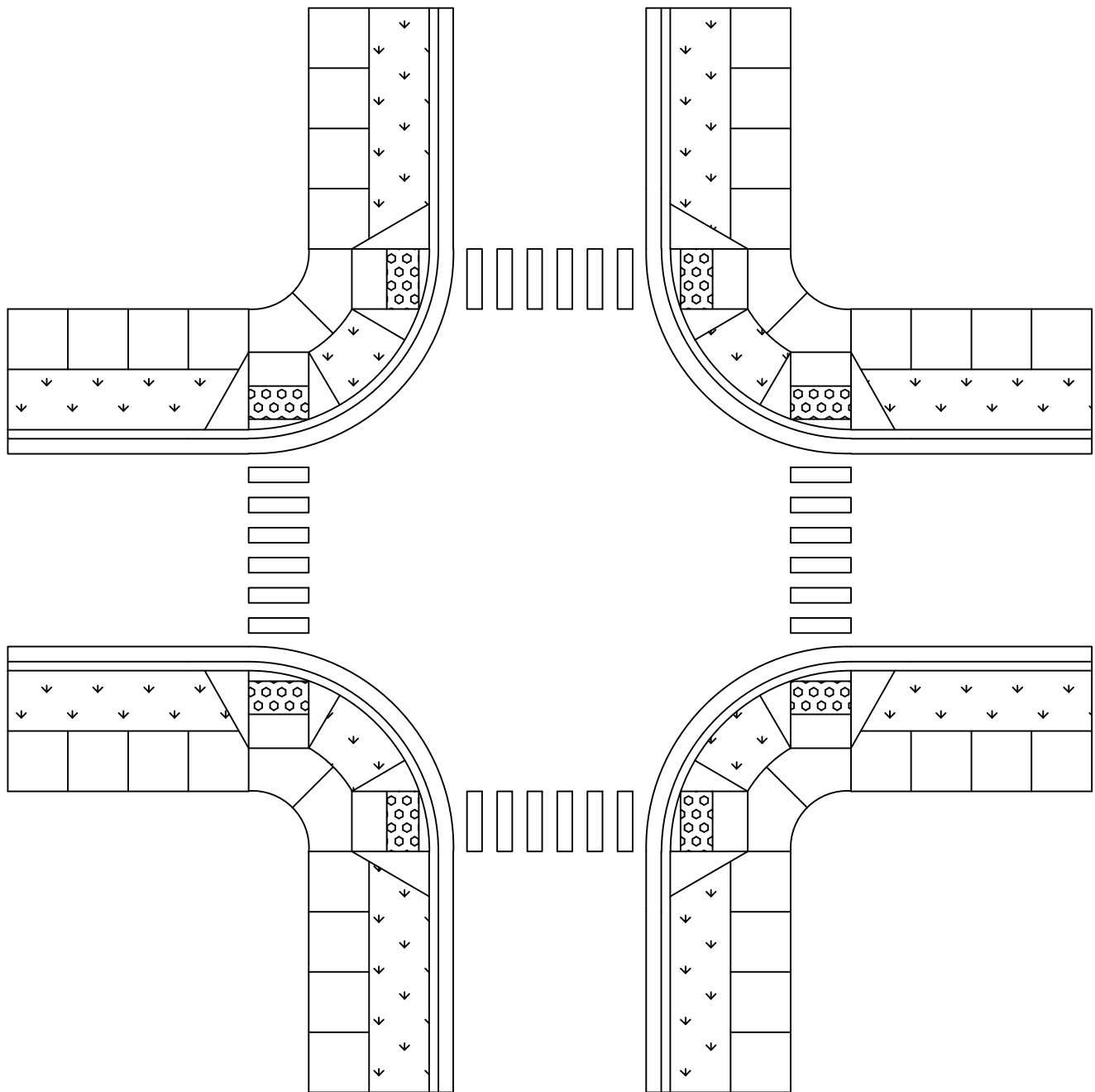
COMMERCIAL/INDUSTRIAL
PAVEMENT PROFILE

GENERAL NOTES

1. FOR PERMANENT CUL-DE-SACS, THE MINIMUM RIGHT-OF-WAY RADIUS SHALL INCLUDE THE 45' PAVEMENT RADIUS, THE WIDTH OF THE CURB & GUTTER, A 5' GRASS STRIP, AND THE WIDTH OF THE SIDEWALK
2. SEE ST-100
3. SEE ST-300, ST-301, ST-302, OR ST-303 AS APPLICABLE
4. STREETS ARE TO BE DESIGNED IN COMPLIANCE WITH THE SUBDIVISION REGULATIONS
5. FOR LOCAL STREETS 411 E MIX IS TO BE USED. FOR COLLECTOR STREETS 411 D MIX OR 411 E MIX MAY BE USED UPON APPROVAL FROM THE CITY'S ENGINEERING DEPARTMENT

NOT TO SCALE

 6/12/19 E.I.T. DATE	<h2 style="margin: 0;">CITY OF LEBANON</h2>	DEP. OF PUBLIC SERVICES
 6/12/19 ENG. DIRECTOR DATE		PERMANENT CUL-DE-SAC DESIGN
<h1 style="margin: 0;">ST-500</h1>		



CROSSWALK LAYOUT AT CURB
RETURNS OF 25' OR MORE

GENERAL NOTES

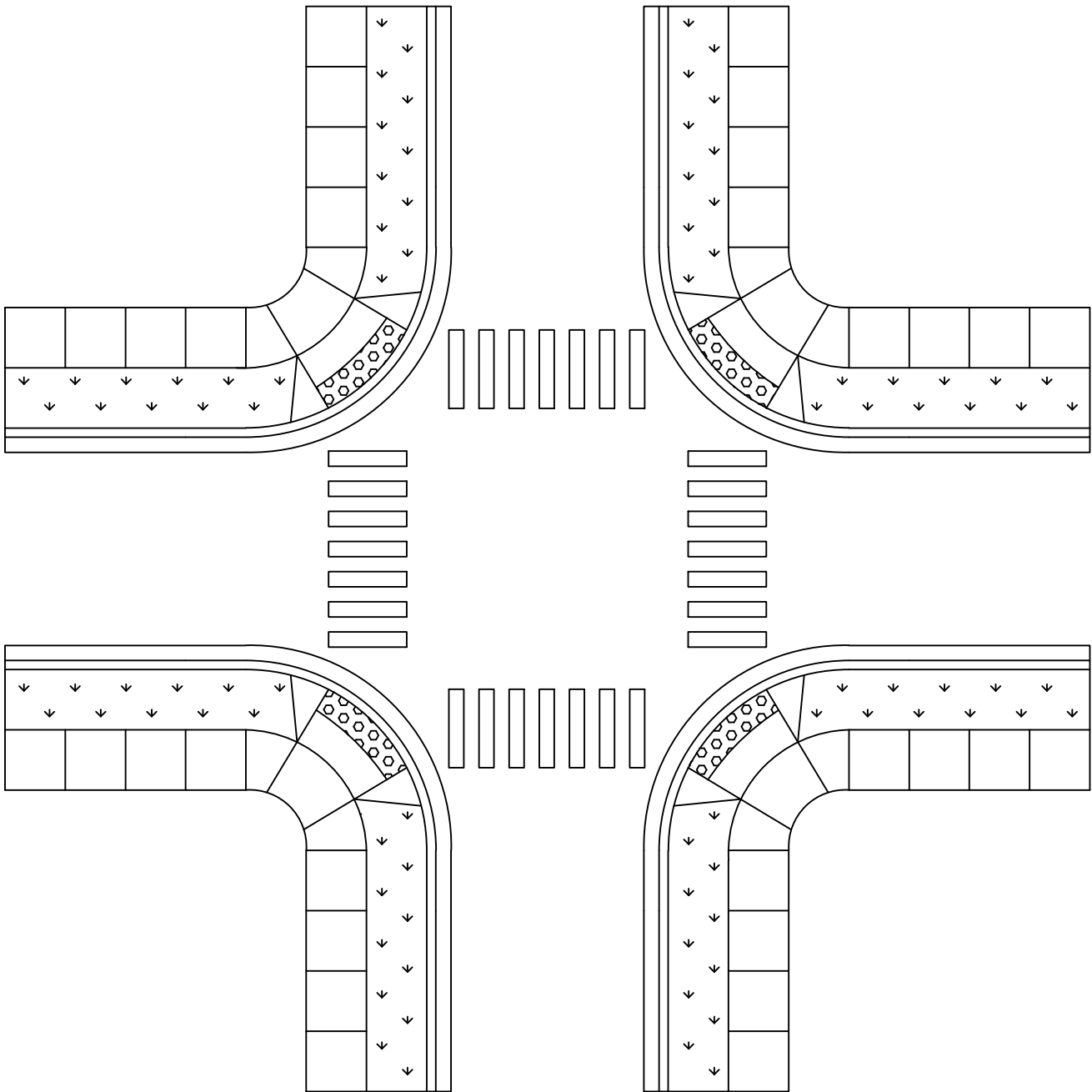
1. SEE CURB RAMP STANDARD DRAWINGS FOR CONSTRUCTION DETAILS
2. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS
3. ALL MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
4. CROSSWALKS WITH CURB RETURNS GREATER THAN 25' SHALL BE REVIEWED BY THE CITY'S ENGINEERING DEPARTMENT
5. CROSSWALK MARKING DESIGN SHALL BE EITHER CONTINENTAL/PIANO KEY OR LADDER

NOT TO SCALE

	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
STANDARD CROSSWALK LAYOUT
ST-501

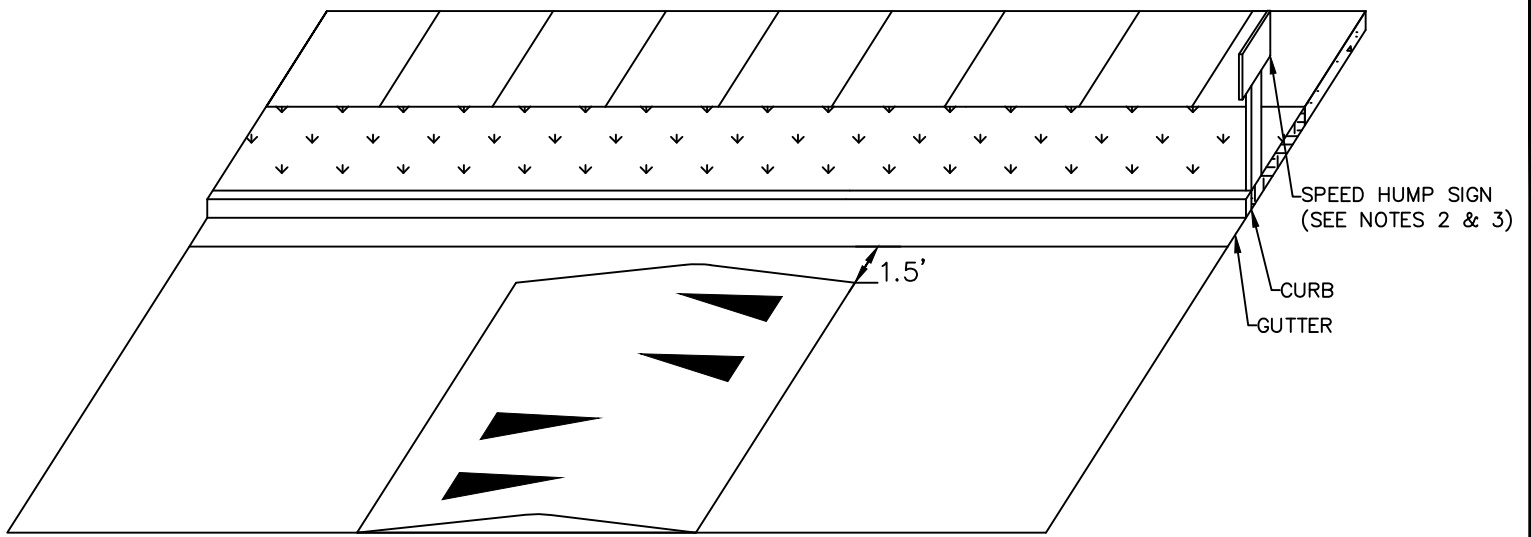


NOTE: BLENDED TRANSITION CURB RAMP CROSSWALKS MAY DIRECT VISUALLY IMPAIRED PEDESTRIANS INTO THE CENTER OF THE INTERSECTION AND SHOULD BE USED AS THE LAST OPTION. APPROVAL FROM THE CITY OF LEBANON ENGINEERING DEPARTMENT IS REQUIRED FOR BLENDED TRANSITION CROSSWALKS.

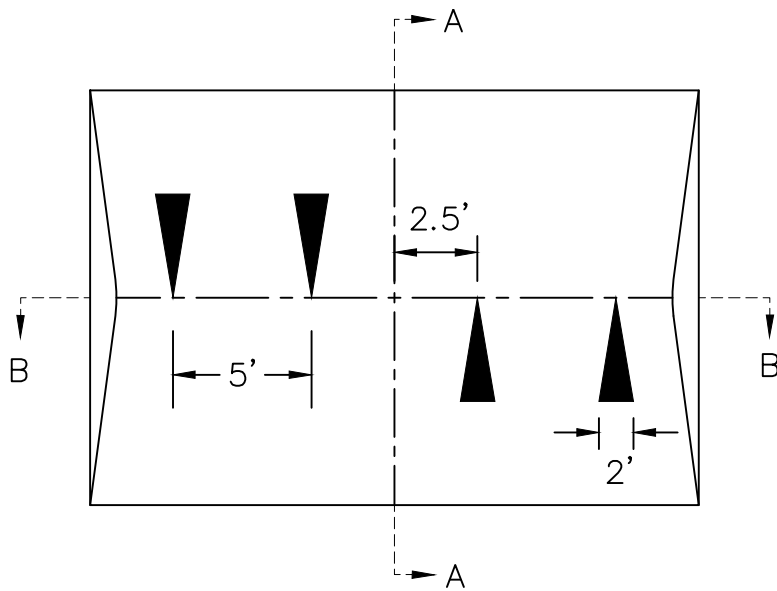
GENERAL NOTES

1. SEE ST-105
 2. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS
 3. ALL MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 4. CROSSWALKS WITH CURB RETURNS GREATER THAN 25' SHALL BE REVIEWED BY THE CITY'S ENGINEERING DEPARTMENT
 5. CROSSWALK MARKING DESIGN SHALL BE EITHER CONTINENTAL/PIANO KEY OR LADDER
- NOT TO SCALE

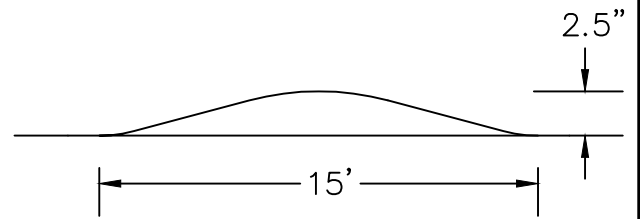
 6/12/19 E.I.T. DATE	CITY OF LEBANON	DEP. OF PUBLIC SERVICES BLENDED TRANSITION CROSSWALK
 6/12/19 ENG. DIRECTOR DATE		ST-502



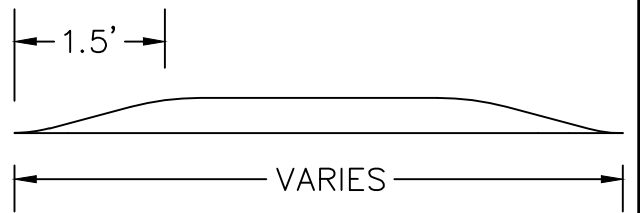
LAYOUT OVERVIEW



TOP VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES

1. SPEED HUMPS SHALL BE IMPLEMENTED AFTER THE STEPS OF THE CITY OF LEBANON'S TRAFFIC MANAGEMENT PROGRAM HAVE BEEN FOLLOWED, AND THEY WERE DEEMED NECESSARY
2. AS RECOMMENDED BY THE MUTCD, A SPEED HUMP SIGN (W17-1) AND ADVISORY SPEED PLAQUE (W13-1) SHALL BE INSTALLED FOR BOTH DIRECTIONS WHEN SPEED HUMPS ARE IMPLEMENTED
3. WARNING SIGN PLACEMENT WILL BE DETERMINED BY THE STREET'S POSTED SPEED LIMIT
4. WHERE SPEED HUMPS ARE IMPLEMENTED IN SERIES, ONLY ONE SIGN IS NEEDED BEFORE THE FIRST SPEED HUMP FOR BOTH DIRECTIONS
5. THE CURB FACING EDGE OF SPEED HUMPS SHALL BE LOCATED 1.5' AWAY FROM THE EDGE OF PAVEMENT
6. CURB FACING SIDES OF SPEED HUMPS SHALL TAPER FOR 1.5'

NOT TO SCALE

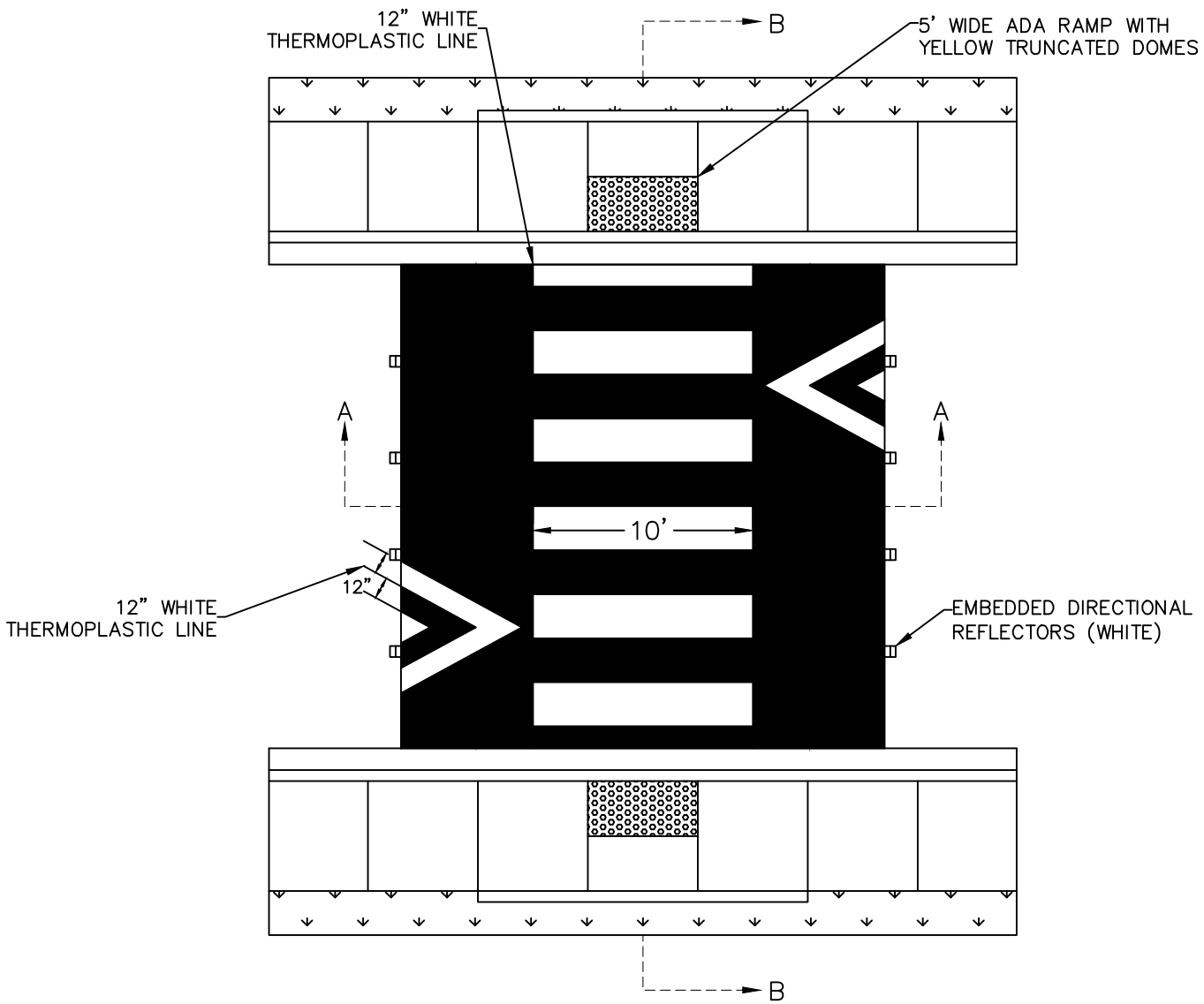
	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

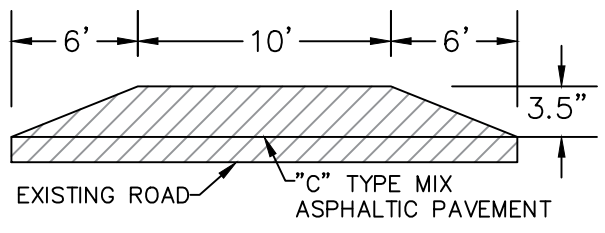
DEP. OF PUBLIC SERVICES

SPEED HUMP

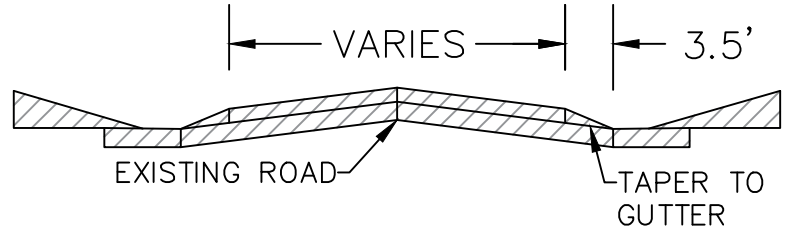
ST-600



TOP VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES

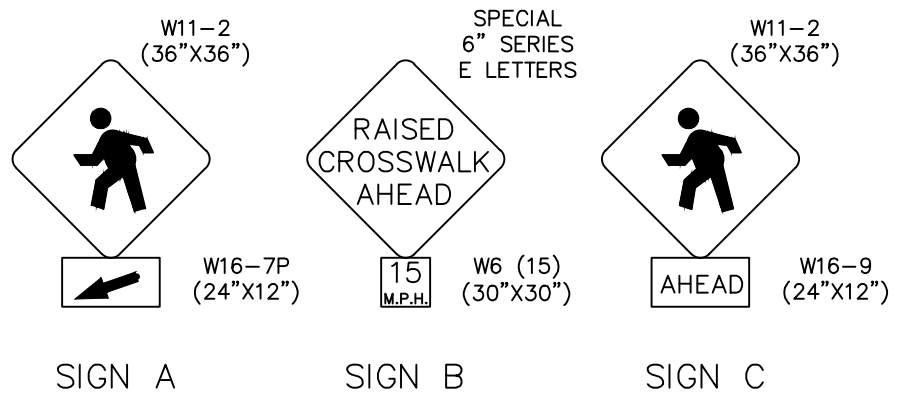
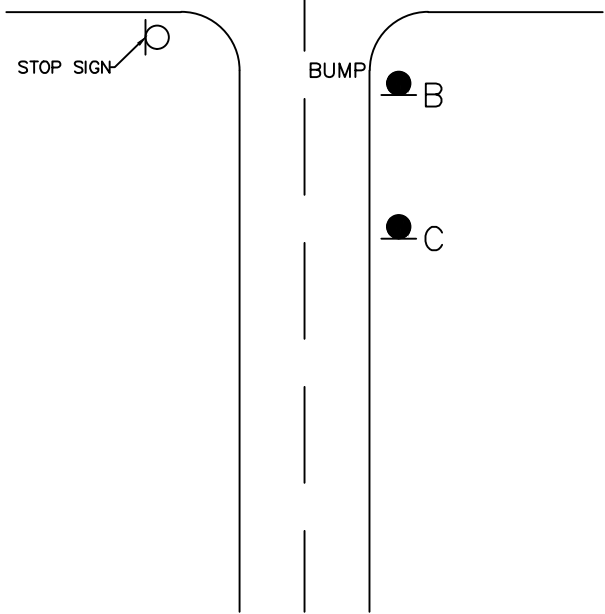
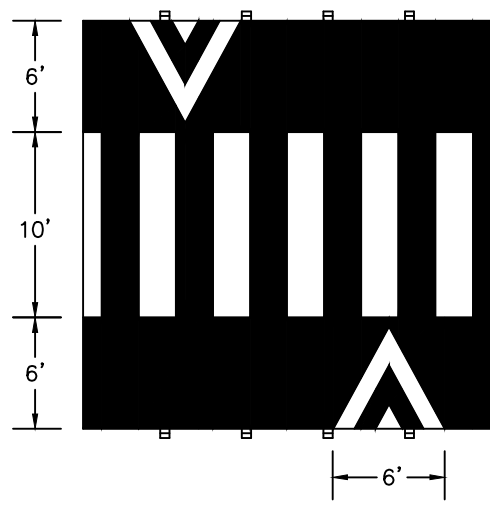
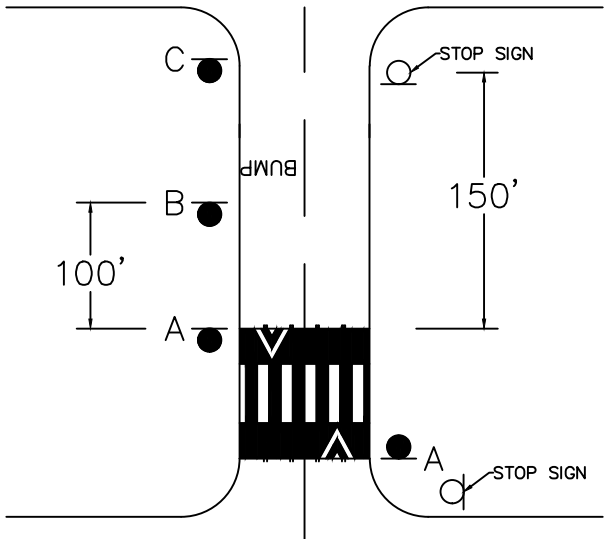
1. RAISED CROSSWALKS SHALL NOT INTERFERE WITH STREET GUTTERS
2. SEE ST-104 FOR CURB RAMP CONSTRUCTION
3. SIGNS SHALL BE USED WHERE RAISED CROSSWALKS ARE IMPLEMENTED, SEE ST-602

NOT TO SCALE

	6/12/19
E.I.T.	DATE
	6/12/19
ENG. DIRECTOR	DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES
RAISED CROSSWALK
ST-601



GENERAL NOTES

1. RAISED CROSSWALKS SHALL NOT INTERFERE WITH STREET GUTTERS
2. RAISED CROSSWALKS SHALL BE LOCATED IN AREAS WITH A MINIMUM DISTANCE OF 150' FROM STOP SIGNS
3. RAISED CROSSWALK, MARKING, AND SIGN LOCATIONS SHALL BE DETERMINED BY THE CITY ENGINEER
4. SEE ST-601 FOR RAISED CROSSWALK CONSTRUCTION

NOT TO SCALE

[Signature]
 6/12/19
 E.I.T. DATE

[Signature]
 6/12/19
 ENG. DIRECTOR DATE

CITY OF LEBANON

DEP. OF PUBLIC SERVICES

RC SIGN PLACEMENT LAYOUT

ST-602