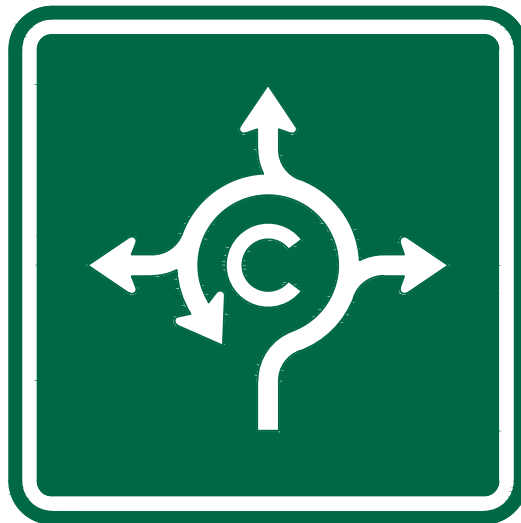


# **STANDARD DETAILS**

## **FOR ROADWAY & DRAINAGE CONSTRUCTION**



CITY OF CONWAY, ARKANSAS  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS ST.  
CONWAY, ARKANSAS 72032  
501-450-6165

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# GENERAL CONSTRUCTION REQUIREMENTS:

1. (ALL CONSTRUCTION WITHIN THE PUBLIC ROW OR PUBLIC EASEMENTS SHALL CONFORM TO ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION UNLESS AMENDED HEREIN.)
2. THE CONWAY TRANSPORTATION DEPARTMENT SHALL BE NOTIFIED TWENTY-FOUR (24) HOURS PRIOR TO PLACEMENT OF ANY FILL MATERIAL, INSTALLATION OF STORM DRAINAGE PIPE OR DRAINAGE STRUCTURES, CONCRETE CURB & GUTTER, PLACEMENT OF CRUSHED STONE OR ASPHALT. THE SUB-GRADE SHALL BE APPROVED BY THE CONWAY TRANSPORTATION DEPARTMENT PRIOR TO PLACEMENT OF CURB & GUTTER OR CRUSHED STONE.
3. EARTHWORK EQUIPMENT SHALL INCLUDE AN APPROPRIATE SIZED VIBRATORY SHEEPS FOOT COMPACTOR, (WATER TRUCK) AND MOTOR PATROL.
4. THE STREETS SHALL BE SHAPED AND GRADED IN ACCORDANCE WITH THE APPROVED STREET PLANS. THE SUB GRADE SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY (AS SHOWN ON THE CITY OF CONWAY TYPICAL SECTIONS.) SOFT, YIELDING SECTIONS OF SUB GRADE SHALL BE REMOVED AND REPLACED IN SIX (6) INCH MAXIMUM LIFT THICKNESSES WITH EACH LIFT COMPACTED WITH A SHEEPS FOOT ROLLER, COMPACTION WITH TRACK EQUIPMENT OR OTHER EQUIPMENT NOT SPECIFICALLY DESIGNED FOR EARTHWORK COMPACTION IS NOT SUITABLE, TO 95% MODIFIED PROCTOR DENSITY. FILL MATERIAL SHALL BE APPROVED BY THE CONWAY TRANSPORTATION DEPARTMENT PRIOR TO USE IN STREET FILLS, NO TOP SOIL OR ORGANIC MATERIAL SHALL BE INCLUDED IN THE FILL MATERIAL. THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE PLUS 3% OR MINUS 1% OF OPTIMUM. ALL EARTHWORK, INCLUDING THE SUB GRADE (AS SHOWN ON THE CITY OF CONWAY TYPICAL SECTIONS) SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 210 AND 212 OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION). PRIOR TO PLACEMENT OF THE CRUSHED STONE BASE COURSE, THE SUB GRADE MUST FIELD DEMONSTRATE THAT IT IS FIRM AND UNYIELDING TO THE PASSAGE OF EQUIPMENT OVER THE SUB GRADE. THE SUB GRADE SHALL BE APPROVED BY THE CONWAY TRANSPORTATION DEPARTMENT BEFORE CURB AND GUTTER OR CRUSHED STONE IS PLACED.
5. THE (ASPHALT STREET) BASE SHALL CONSIST OF CRUSHED STONE BASE COURSE CONFORMING TO THE REQUIREMENTS OF CLASS 7 AGGREGATE BASE COURSE AS DESCRIBED IN SECTION 303 OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION). (THE BASE COURSE GRADATION SHALL CONFORM TO THIS SPECIFICATION AFTER IT HAS BEEN PLACED AND COMPACTED. SAMPLES OF THE IN-PLACE MATERIAL MAY BE OBTAINED AND TESTED BY THE OWNER TO ASSURE COMPLIANCE. MATERIAL NOT CONFORMING TO THE SPECIFICATIONS SHALL BE REMOVED AND REPLACED. IN ADDITION, THE CRUSHED STONE BASE COURSE MATERIAL SHALL HAVE A MINIMUM CBR ,CALIFORNIA BEARING RATIO, OF 75 AS DESCRIBED IN THE PROJECT SPECIFICATIONS.)
6. THE (ASPHALT STREET) SURFACE COURSE SHALL CONSIST OF ASPHALTIC CONCRETE HOT MIX CONFORMING TO THE REQUIREMENTS OF SECTION 407 OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION) OR THE ACHM SURFACE COURSE SPECIFICATION FOUND HEREIN.
7. (CONCRETE STREET) BASE COURSE OR SUB GRADE IS TO BE COMPACTED IN KEEPING WITH ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION), SECTION 302. CONCRETE PAVEMENT IS TO BE CONSTRUCTED ACCORDING TO SECTION 501 OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION). CONCRETE IS TO BE 3,000 LBS. PSI COMPRESSED STRENGTH PLACED ON A THOROUGHLY COMPACTED AND GRADED SUB GRADE. CONCRETE IS TO BE POURED IN SEPARATE LANES WITH MAXIMUM WIDTH OF 15 FEET. TRANSVERSE JOINTS SHALL BE OF TWO (2) INCHES WIDE FELT STRIP 1/16TH TO 1/4 INCH THICK AT 15-FOOT INTERVALS FOR CONTRACTION JOINTS. THE POURED SURFACE GRADE SHALL HAVE A MINIMUM THICKNESS OF SIX, 6, INCHES OF CONCRETE. REINFORCING TIE BARS, WHERE REQUIRED, SHALL BE IN GENERAL CONFORMANCE WITH THE PORTLAND CEMENT ASSOCIATION RECOMMENDATIONS.
8. EXPANSION JOINTS SHALL BE PLACED ON EACH SIDE OF DRAINAGE STRUCTURES, AT THE ENDS OF THE RADIUS AT INTERSECTIONS AND CUL-DE-SACS AND AT MAXIMUM ON HUNDRED, 100, FOOT SPACING THROUGHOUT THE LENGTH OF THE CURB AND GUTTER. EXPANSION JOINTS, 1/2" PREMOLDED MATERIAL, SHALL BE PROVIDED IN THE SIDEWALK WHERE ABUTTING DRIVEWAYS, CONCRETE CURB AND GUTTER OR OTHER RIGID ITEMS AND AT ONE HUNDRED, 100, FOOT MAXIMUM SPACING THROUGHOUT THE LENGTH OF THE SIDEWALK. MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 634 OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).
9. ALL STORM DRAINAGE PIPE (INCLUDING FLARED END SECTIONS AND HEADWALLS) SHALL BE RCP CLASS III UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE CITY ENGINEER.
10. ALL MUD AND SOIL (INCLUDING LOOSE GRAVEL) SHALL BE REMOVED FROM THE CRUSHED STONE BASE AND CONCRETE CURB AND GUTTER PRIOR TO SET UP OF THE CRUSHED STONE COURSES (AND THE PLACEMENT OF ASPHALT).
11. STORM DRAINAGE PIPES, DITCHES AND DRAINAGE STRUCTURES MUST BE FREE OF SEDIMENTS, TRASH, DEBRIS AND PONDING WATER PRIOR TO FINAL APPROVAL OF THE STREETS.
12. THE CITY ENGINEER SHALL BE GIVEN TWENTY-FOUR, 24, HOURS NOTICE PRIOR TO PLACEMENT OF STORM DRAINAGE PIPE (INCLUDING DRAINAGE STRUCTURES, FORMING, AND REINFORCING STEEL), SUB GRADE PREPARATION, CURB AND GUTTER CONSTRUCTION, CRUSHED STONE BASE COURSE PLACEMENT OR STREET PAVEMENT. NO WORK SHALL PROCEED UNTIL APPROVAL HAS BEEN GIVEN BY THE CITY ENGINEER.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
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CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: <b>GENERAL INFORMATION</b>		DATE: FEBRUARY 2017	SHEET:  <b>G-1</b>
DESCRIPTION:		REVISED	
<b>GENERAL NOTES</b>		----	
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DRAWN BY: NTR	CHECKED BY: BRY	FILE NAME: G-1 GENERAL NOTES.dwg	----



GENERAL CONSTRUCTION REQUIREMENTS CONTINUED:

- 13. (CONSTRUCTION SHALL NOT COMMENCE ON THIS PROJECT UNTIL A STORMWATER POLLUTION PREVENTION PLAN HAS BEEN PROPERLY IMPLEMENTED AND THE REQUIREMENTS OF ADEQ HAVE BEEN MET.)
- 14. (THE CONTRACTOR SHALL PROVIDE APPROPRIATE ADVANCED WARNING DEVICES, BARRICADES, BARRELS AND OTHER MEASURES AS NEEDED TO PROPERLY CONTROL AND ADVISE TRAFFIC OF CONSTRUCTION EQUIPMENT THAT MAY BE ON OR ADJACENT TO THE PUBLIC STREETS.)
- 15. (THE CONTRACTOR SHALL KEEP THE ADJACENT PUBLIC STREETS CLEAN AND FREE OF SEDIMENT, GRAVEL AND OTHER DEBRIS.)
- 16. (THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE PUBLIC STREETS AND INFRASTRUCTURE THAT THE CONSTRUCTION ACTIVITY OR HAULING OF MATERIAL MAY CAUSE.)



CITY OF CONWAY  
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501-450-6165

TITLE: <b>GENERAL INFORMATION</b>		DATE: FEBRUARY 2017
DESCRIPTION: <b>GENERAL NOTES</b>		REVISED
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DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: G-1 GENERAL NOTES.dwg
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SHEET:
<b>G-2</b>

# ASPHALT CONCRETE HOT MIX (ACHM) SURFACE COURSE

(MARSHALL METHOD OF MIX DESIGN FOR LIFTS ≤ 2")

**DESCRIPTION:** THIS ITEM SHALL CONSIST OF AN ASPHALT CONCRETE SURFACE COURSE CONSTRUCTED ON AN ACCEPTED COURSE ACCORDING TO THESE SPECIFICATIONS AND IN REASONABLY CLOSE CONFORMITY WITH THE LINES, GRADES, AND TYPICAL CROSS SECTIONS SHOWN ON THE PLANS.

**MATERIALS:** THE MATERIALS USED SHALL COMPLY WITH SECTION 409 OF THE ARDOT STANDARD SPECIFICATIONS 2014 EDITION AND THIS SUBSECTION. THE MATERIALS SHALL BE PROPORTIONED TO MEET THE DESIGN REQUIREMENTS FOR ASPHALT CONCRETE SURFACE COURSE MIXTURES AS SHOWN IN TABLE 1.

THE DESIGN OF ACHM SURFACE COURSE MIX SHALL BE ACCORDING TO THE MOST CURRENT ASPHALT INSTITUTE MS-2 MIX DESIGN METHODS (MARSHALL MIX) AND SHALL UTILIZE THE PENETRATION GRADES (PG) AND NO. OF BLOWS REQUIREMENTS OUTLINED IN THE PLANS.

THE QUALITY CONTROL OF ACHM SURFACE COURSE MIXES SHALL BE ACCORDING TO SECTION 404 OF THE AHTD STANDARD SPECIFICATIONS 1996 EDITION.

**TABLE 1**

DESIGN REQUIREMENTS FOR ACHM SURFACE COURSE MARSHALL TYPE 3	
SIEVE (MM)	PERCENT PASSING (%)
1/2" (12.5)	100
3/8" (9.5)	90-100
NO. 4 (4.75)	90 MAX
NO. 8 (2.36)	32-67
NO. 16 (1.18)	-
NO. 30 (0.60)	-
NO. 50 (0.30)	-
NO. 200 (0.075)	2-10
ASPHALT BINDER CONTENT	DESIGN VALUE
NO. OF BLOWS	50 & 75 (PLAN SPECIFIED)
MIN. STABILITY, LBS	1200
MARSHALL FLOW, 1/100"	8-16
% AIR VOIDS	4.0
% VMA	15
MIN. WATER SENSITIVITY RATIO	70
% ANTI-STRIP	AS REQUIRED
% VOIDS FILLED WITH ASPHALT (VFA)	65-78

\* FINES TO ASPHALT RATIO SHALL BE DEFINED AS THE PERCENT MATERIALS PASSING THE NO. 200 (0.075 MM) SIEVE (EXPRESSED AS A PERCENT OF TOTAL AGGREGATE WEIGHT) DIVIDED BY THE EFFECTIVE ASPHALT BINDER CONTENT.

**EQUIPMENT:** THE EQUIPMENT USED IN THIS CONSTRUCTION SHALL COMPLY WITH SECTION 409 OF THE AHTD STANDARD SPECIFICATIONS 2014 EDITION.

**CONSTRUCTION REQUIREMENTS AND ACCEPTANCE:** CONSTRUCTION REQUIREMENTS AND ACCEPTANCE SHALL COMPLY WITH SECTION 410 OF THE AHTD STANDARD SPECIFICATIONS 2014 EDITION WITH THE FOLLOWING AMENDMENTS:

- A MATERIALS TRANSFER DEVICE OR MATERIALS TRANSFER VEHICLE (MTD/MTV) SHALL BE USED FOR PLACEMENT OF ALL ACHM COURSES ON STREETS, OR ADJACENT STREET SECTIONS, WITH ESTIMATED QUANTITIES TOTALING 750 TONS OR MORE OF HOT MIX.
- THE CONTRACTOR SHALL UTILIZE A NUCLEAR DENSITY GAUGE, IN ACCORDANCE WITH SECTION 410.08, TO VERIFY THAT THE MAXIMUM DENSITIES POSSIBLE ARE OBTAINED.
- THE TEST REPORTS OF ALL CONTRACTOR ACCEPTANCE TESTS SHALL BE PROVIDED TO THE CITY ENGINEER BY THE END OF THE FIRST WORKING DAY FOLLOWING PRODUCTION OF THE MATERIAL.
- WHEN SURFACE IS PLACED ON SHOULDERS CONSTRUCTED UNDER SECTION 216 OR ON RECONSTRUCTED BASE COURSE UNDER SECTION 305, THE MINIMUM DENSITY SHALL BE 90% OF THE MAXIMUM THEORETICAL DENSITY. THE REQUIRED DENSITY FOR ACHM SURFACE COURSE PLACED IN TRENCH AREAS LESS THAN 6' (1.8 M) IN WIDTH AT LEVELS BELOW THE EXISTING PAVEMENT SURFACE SHALL BE 90% TO 96%.



CITY OF CONWAY  
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100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

## GENERAL INFORMATION

DESCRIPTION:

## ACHM SURFACE COURSE SPECIFICATION

DRAWN BY: NTR

CHECKED BY: BRY

FILE NAME:

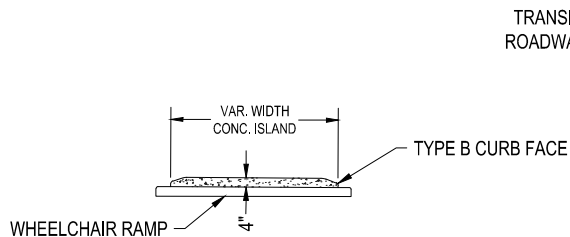
G-3 ASPHALT SPEC.dwg

DATE: FEBRUARY 2017

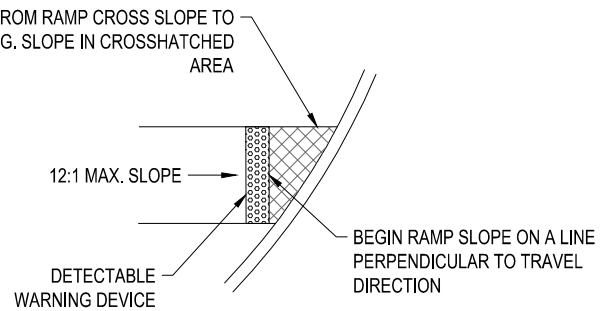
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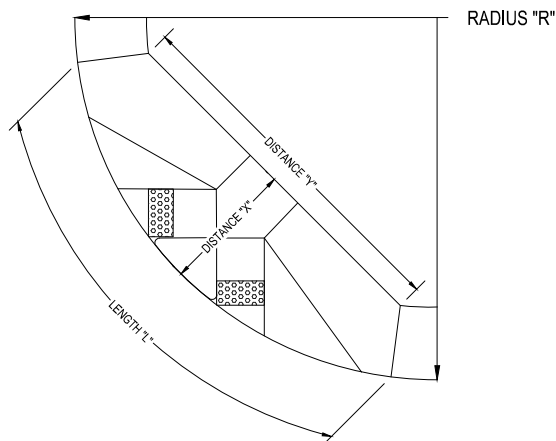
**G-3**



**CONCRETE ISLAND DETAIL**

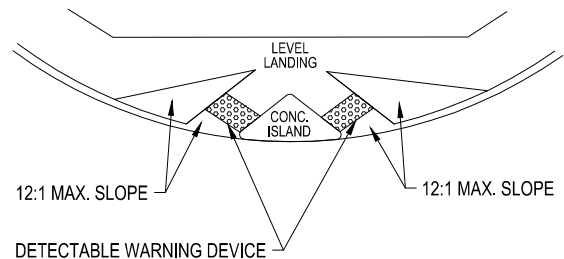
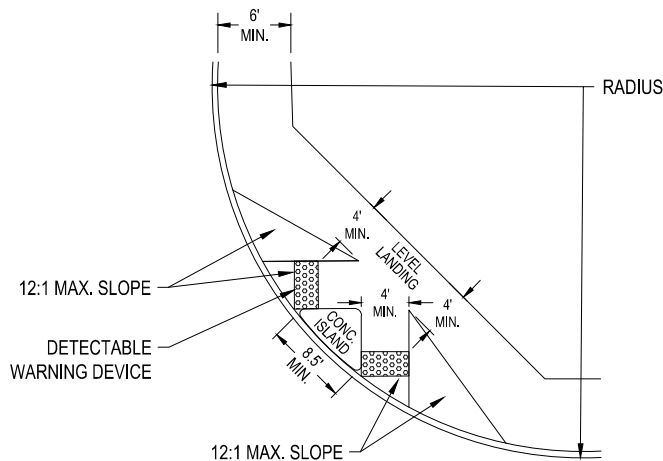


**SLOPE TRANSITION DETAIL**



**TYPE 1 RAMP DIMENSIONS & QUANTITIES**

RADIUS "R"	DISTANCE "X"	DISTANCE "Y"	LENGTH "L"	RAMP AREA "A"
FEET	FEET	FEET	FEET	SQ. YD.
15	11.67	18.82	32.18	26.21
20	11.52	22.28	35.46	30.07
25	11.43	26.60	38.77	33.80
30	11.37	30.26	40.93	36.90
35	11.33	33.51	43.11	39.77
40	11.30	36.45	45.26	42.45
45	11.27	39.16	47.34	44.97
50	11.25	41.69	49.36	47.35
55	11.24	44.07	51.31	49.63
60	11.22	46.33	53.21	51.80



**NOTES:**

1. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH SECTION 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK AND RAMP.
3. ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
4. **ALL SIDEWALKS AND CURB CUTS FOR HANDICAP RAMPS REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.**

**TYPE 1 ACCESS RAMP**

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
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501-450-6165

TITLE:

**ACCESS RAMP DETAILS**

DESCRIPTION:

**STANDARD ACCESS RAMP  
(TYPE 1)**

DRAWN BY: NTR

CHECKED BY: BJV

FILE NAME:

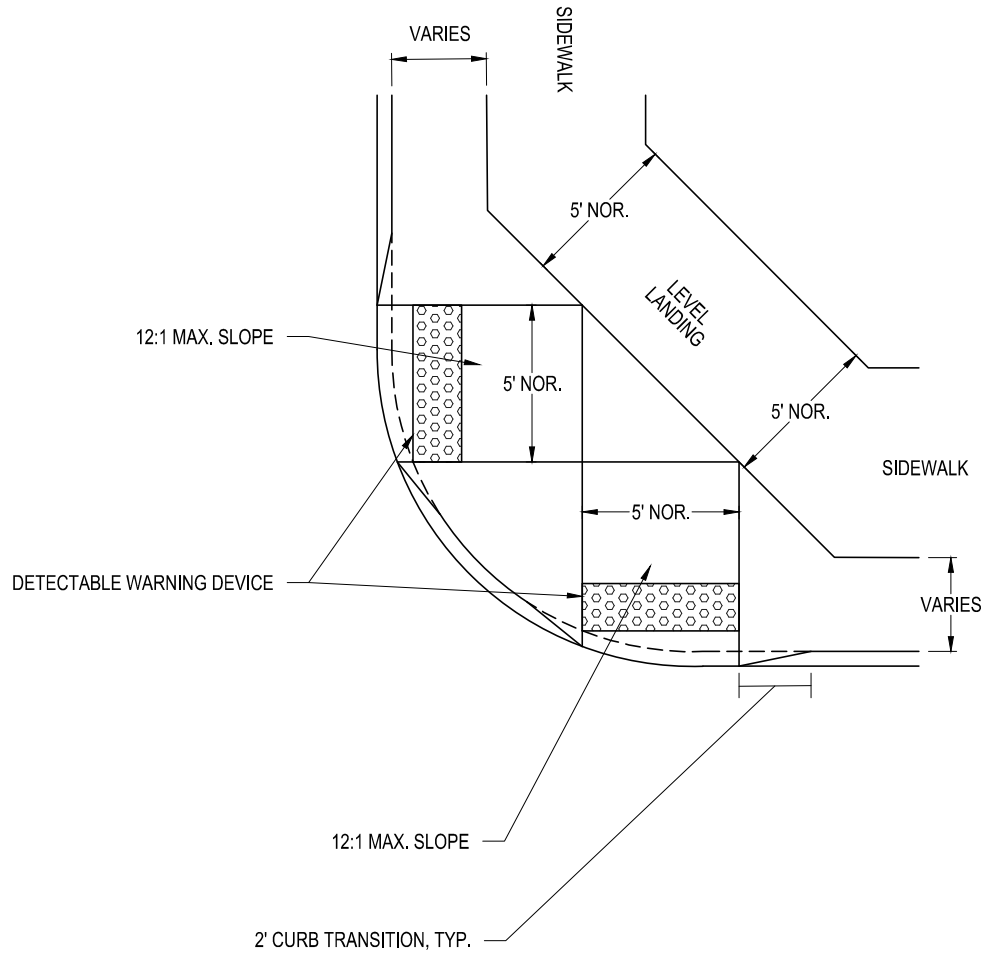
AR-1 TYPE 1 HANDI RAMP.dwg

DATE: FEBRUARY 2017

REVISED

SHEET:

**AR-1**



NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH SECTION 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK AND RAMP.
3. ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
4. ALL SIDEWALKS AND CURB CUTS FOR HANDICAP RAMPS REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.

## TYPE 2 ACCESS RAMP

N.T.S.



CITY OF CONWAY  
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501-450-6165

TITLE:

**ACCESS RAMP DETAILS**

DESCRIPTION:

**STANDARD ACCESS RAMP  
(TYPE 2)**

DATE: FEBRUARY 2017

REVISED

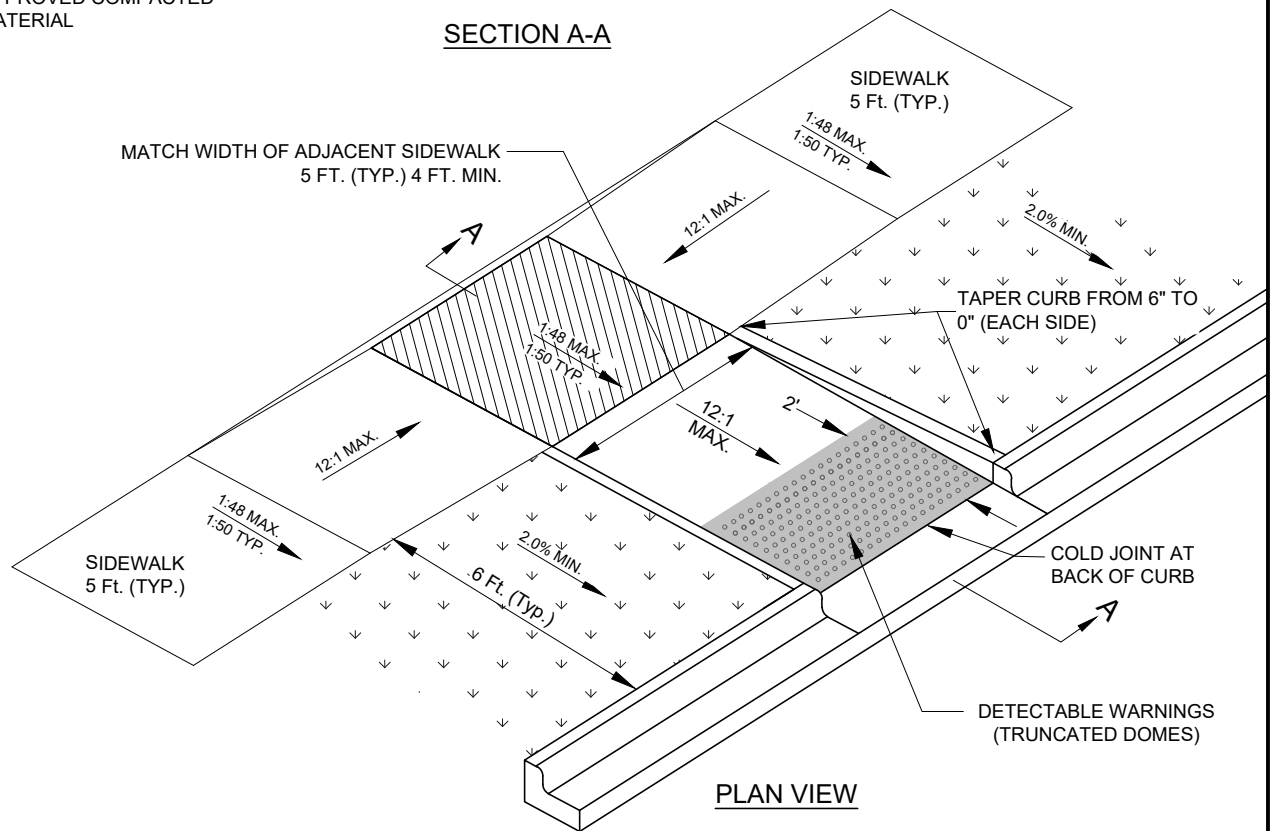
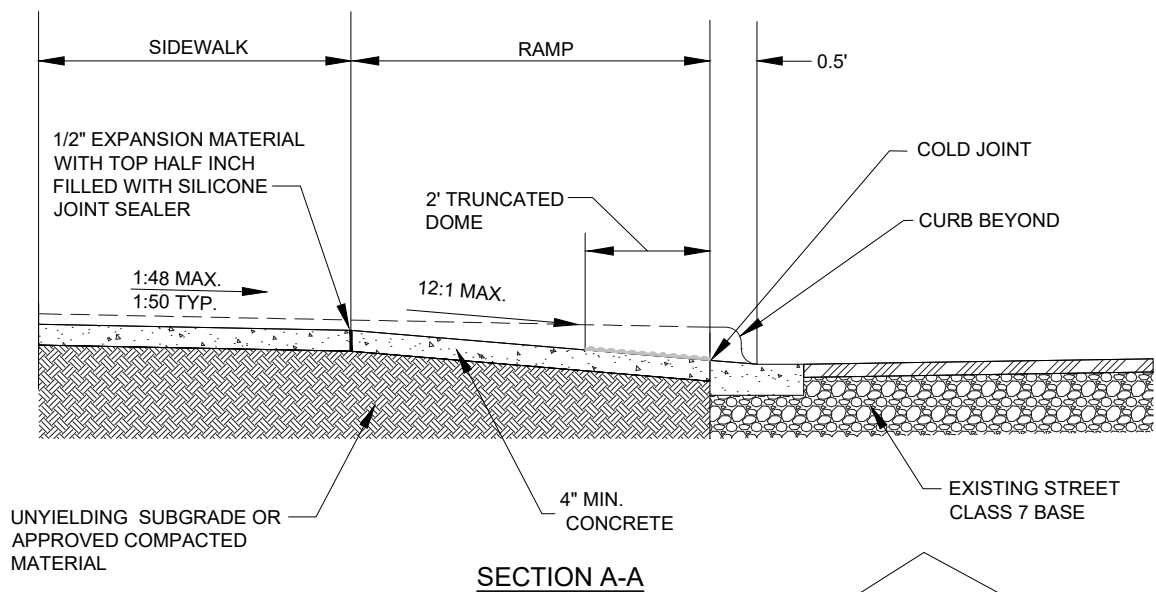
SHEET:

**AR-2**

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME: AR-2 TYPE 2 HANDI RAMP.dwg



NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH SECTION 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK AND RAMP.
3. ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
4. **ALL SIDEWALKS AND CURB CUTS FOR HANDICAP RAMPS REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.**

## TYPE 3A ACCESS RAMP

N.T.S.



CITY OF CONWAY  
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501-450-6165

TITLE:

**ACCESS RAMP DETAILS**

DESCRIPTION:

**STANDARD ACCESS RAMP  
(TYPE 3A)**

DATE: FEBRUARY 2017

REVISED

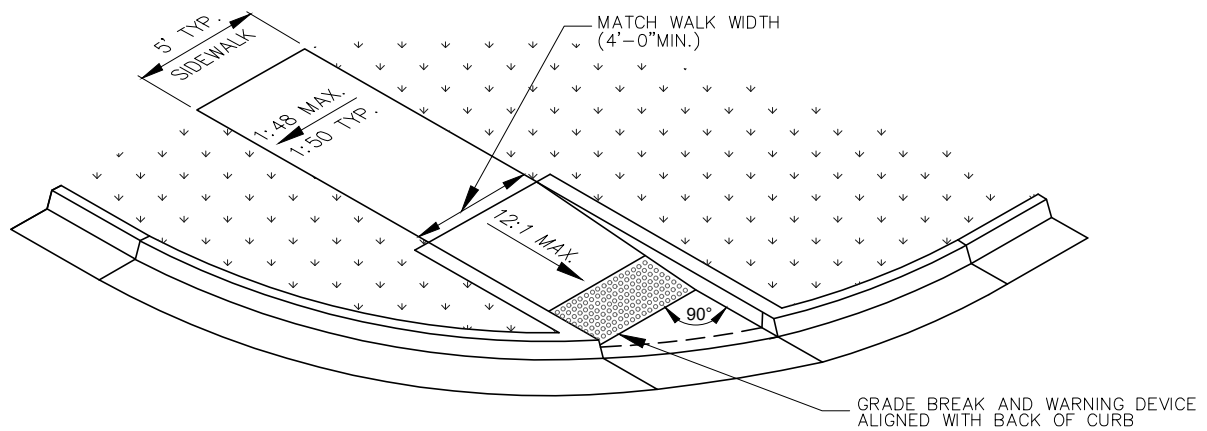
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**AR-3**

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME: AR-3 TYPE 3A HANDI RAMP.dwg



NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH SECTION 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK AND RAMP.
3. ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
4. **ALL SIDEWALKS AND CURB CUTS FOR HANDICAP RAMPS REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.**

## TYPE 3B ACCESS RAMP

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**ACCESS RAMP DETAILS**

DESCRIPTION:

**STANDARD ACCESS RAMP  
(TYPE 3B)**

DATE: FEBRUARY 2017

REVISED

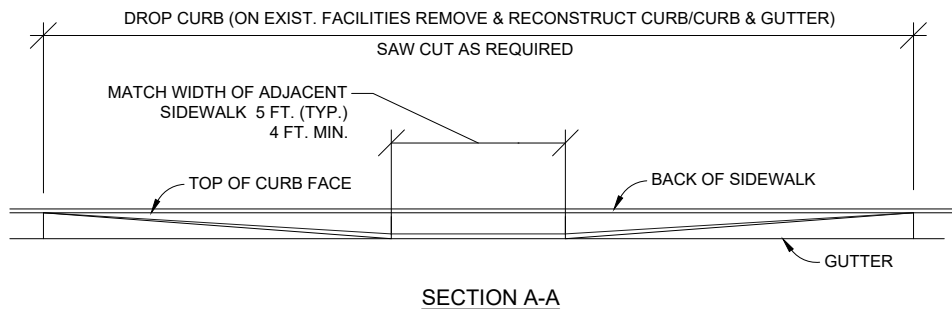
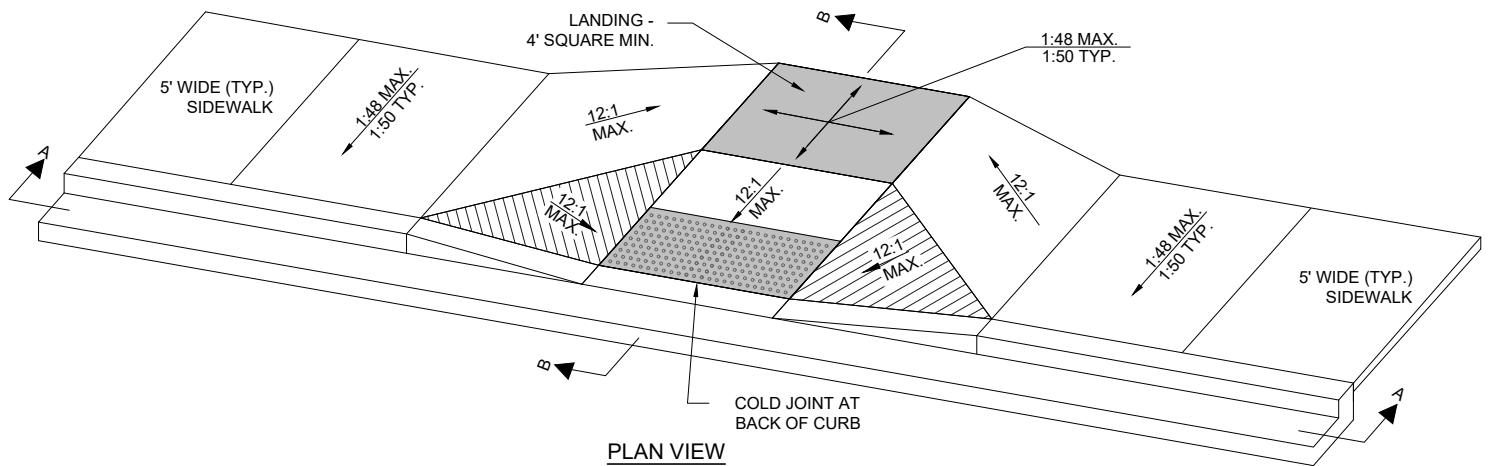
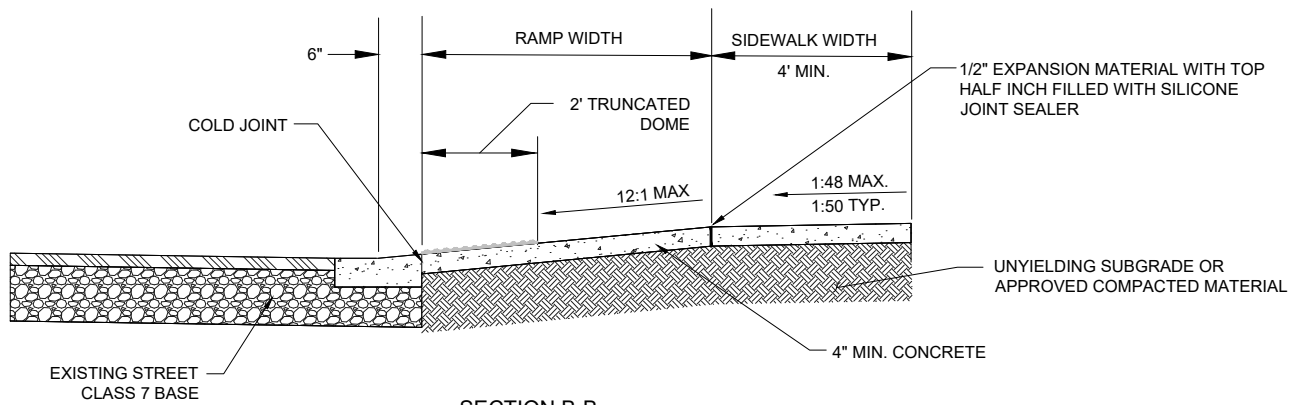
SHEET:

**AR-4**

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME: AR-4 TYPE 3B HANDI RAMP.dwg



**NOTES:**

1. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH SECTION 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK AND RAMP.
3. ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
4. **ALL SIDEWALKS AND CURB CUTS FOR HANDICAP RAMPS REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.**

## TYPE 4 ACCESS RAMP

N.T.S.



CITY OF CONWAY  
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501-450-6165

TITLE:

**ACCESS RAMP DETAILS**

DESCRIPTION:

**STANDARD ACCESS RAMP  
(TYPE 4)**

DATE: FEBRUARY 2017

REVISED

SHEET:

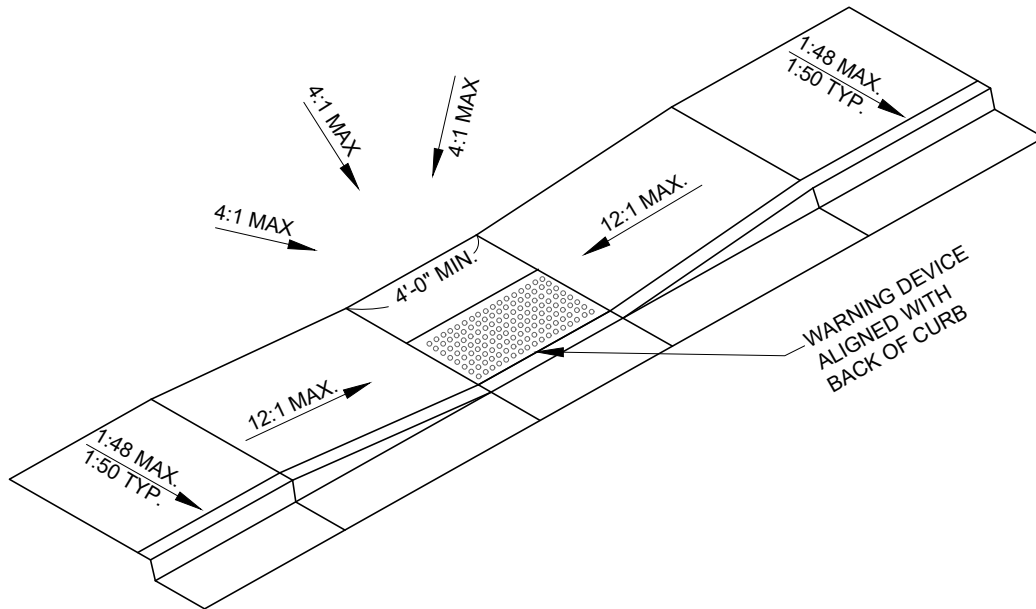
**AR-5**

DRAWN BY: NTR

CHECKED BY: BJV

FILE NAME:

AR-5 TYPE 4 HANDI RAMP.dwg



NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH SECTION 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK AND RAMP.
3. ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
4. **ALL SIDEWALKS AND CURB CUTS FOR HANDICAP RAMPS REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.**

## TYPE 5 ACCESS RAMP

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**ACCESS RAMP DETAILS**

DESCRIPTION:

**STANDARD ACCESS RAMP  
(TYPE 5)**

DATE: FEBRUARY 2017

REVISED

SHEET:

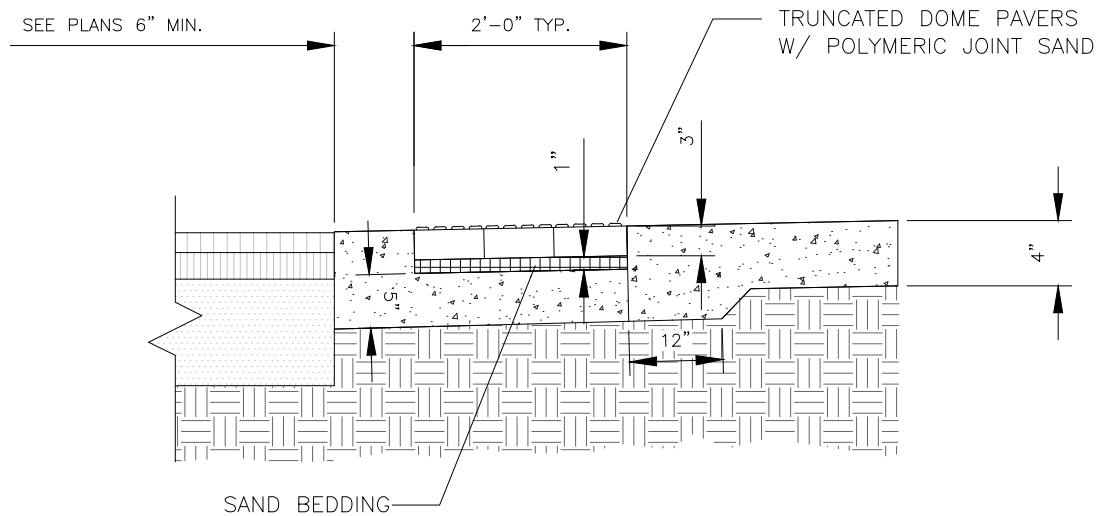
**AR-6**

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME: AR-6 TYPE 5 HANDI RAMP.dwg





## TRUNCATED DOME PAVERS

### NOTES:

1. PAVERS TO BE SURROUNDED WITH 6" MIN. CONCRETE BAND FOR EDGE RESTRAINT.
2. JOINT SAND SHALL BE POLYMERIC.
3. TRUNCATED DOME PAVERS TO BE PINE HALL 4"x8" TRUNCATED ADA RED 360 OR APPROVED EQUAL.
4. SAND BEDDING FOR PAVERS TO BE MAX. 1" TO MIN. 1/2" THICK MASONRY SAND.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DESCRIPTION:

**TRUNCATED DOME PAVERS**

DATE: FEBRUARY 2017

REVISED

SHEET:

**AR-7**

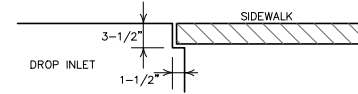
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CHECKED BY: BFV

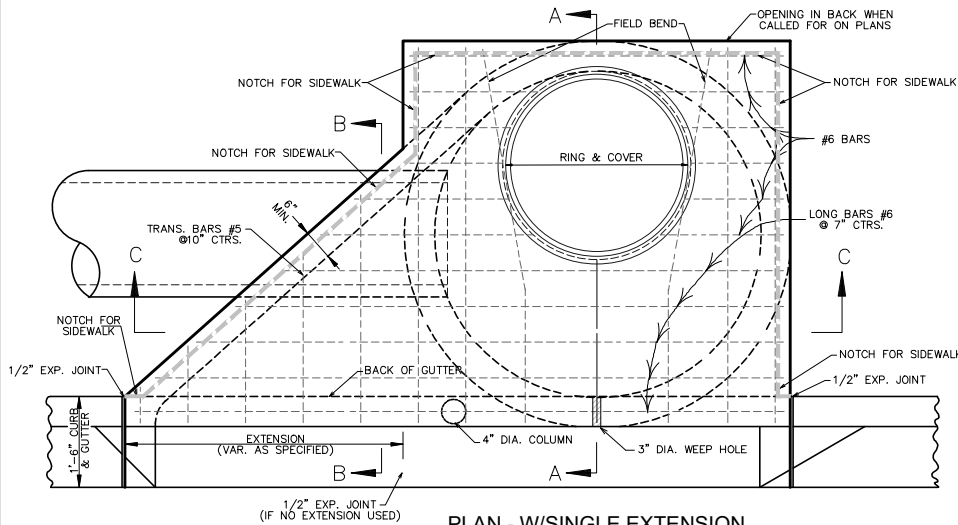
FILE NAME: AR-7 TRUNCATED DOME PAVERS.dwg

# GENERAL NOTES:

1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. STEPS SHALL BE INSTALLED IN ALL INLETS 4'-0" HIGH AND OVER OR AS DIRECTED BY THE ENGINEER.
3. ALL REINFORCING BARS SHALL BE GRADE 60 AND HAVE MIN. 1" COVER.
4. ALL WORK SHALL COMPLY WITH SECTION 609 OF THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
5. DROP INLETS AND EXTENSION ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
6. 4" DIA. COLUMNS SPACED AT MAX. 4'-0" INTERVALS SHALL BE INSTALLED ALONG INLET AND EXTENSION TO SUPPORT TOP.
7. BASE AND INLET WALLS SHALL BE CAST MONOLITHICALLY.
8. THE THROAT SHALL BE CAST INTEGRALLY WITH THE GUTTER.
9. PIPES MAY ENTER DROP INLET FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
10. ALTERNATE DROP INLET DESIGNS MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
11. DURING CONSTRUCTION OF THE ROADWAY THE CONTRACTOR SHALL MAINTAIN DRAINAGE INTO OR AROUND THE DROP INLET AS APPROVED BY THE ENGINEER.
12. 3-1/2"x 1-1/2" NOTCH SHALL BE FORMED IN ALL DROP INLETS TO SUPPORT SIDEWALK CONSTRUCTION. REFER TO DETAIL OF NOTCH FOR SIDEWALKS.
13. HEAVY DUTY RING AND COVER SHALL BE USED WHEN INLET IS LOCATED WITHIN A RADIUS. STANDARD DUTY ("NON-TRAFFIC" RATED) RING AND COVER MAY BE USED IN OTHER AREAS OUTSIDE OF ROADWAY.
14. HEAVY DUTY RING AND COVER TO BE EAST JORDAN V-1600-2 & 1348A OR APPROVED EQUAL.
15. STANDARD DUTY RING AND COVER TO BE EAST JORDAN V-1865 MANHOLE ASSEMBLY OR APPROVED EQUAL.

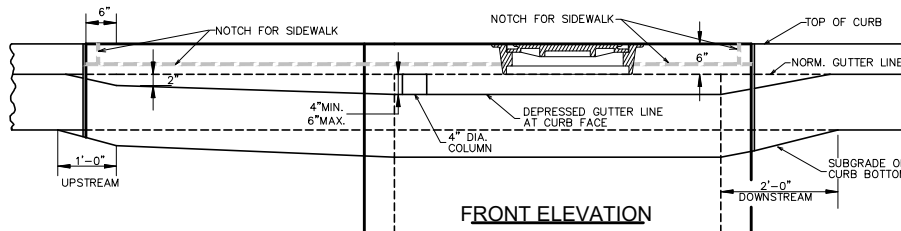


DETAIL OF NOTCH FOR SIDEWALKS

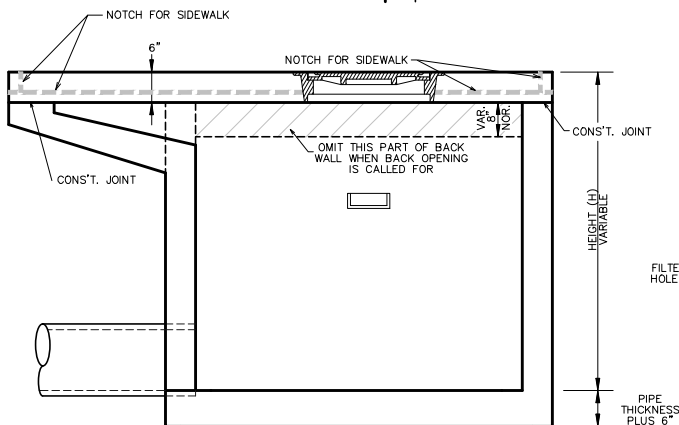


PLAN - W/SINGLE EXTENSION

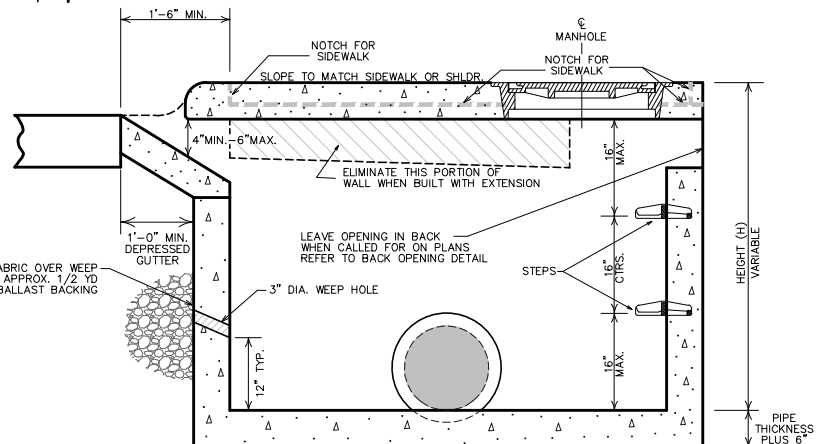
NOTE: FOR DOUBLE EXTENSION USE SINGLE ON BOTH SIDES.



FRONT ELEVATION



SECTION C-C



SECTION A-A

		MINIMUM WALL THICKNESS	
DIA. OF D.I.	DIA. OF OUTLET PIPE	CAST IN PLACE	PRECAST
4" I.D.	12" THRU 27"	6"	5"
5" I.D.	30" THRU 42"	8"	6"
6" I.D.	48" THRU 54"	8"	7"



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**DRAINAGE DETAILS**

DESCRIPTION:

**TYPICAL CURB INLET**

DRAWN BY: NTR

CHECKED BY: BVF

FILE NAME:

D-1 DROP INLET.dwg

DATE: FEBRUARY 2017

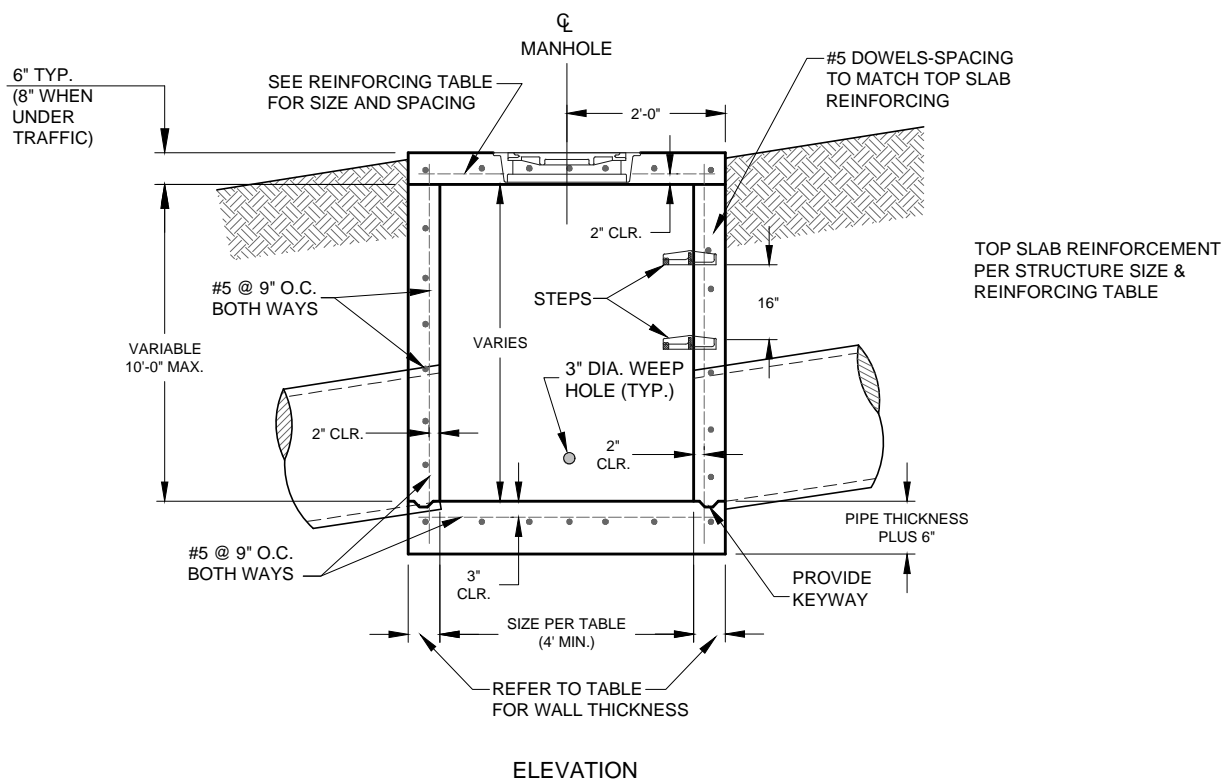
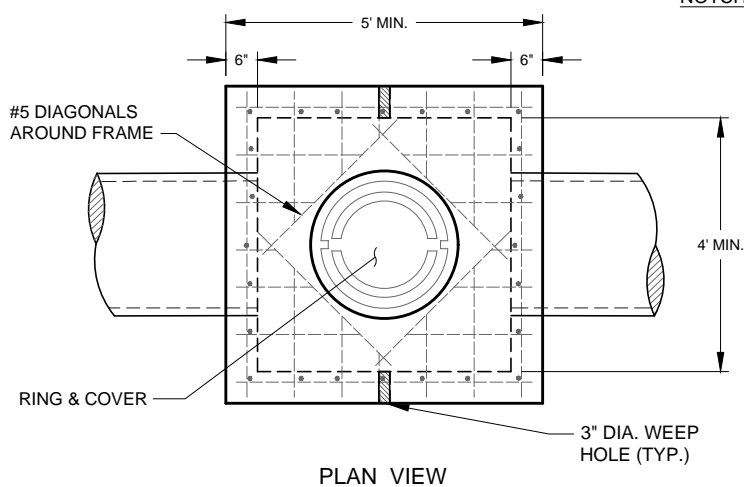
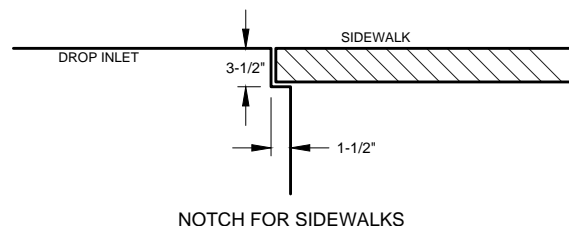
REVISED

SHEET:

**D-1**

1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. STEPS SHALL BE INSTALLED IN ALL INLETS 4'-0" HIGH AND OVER OR AS DIRECTED BY THE ENGINEER.
3. ALL REINFORCING BARS SHALL BE GRADE 60 AND HAVE MIN. 1" COVER.
4. ALL WORK SHALL COMPLY WITH SECTION 609 OF THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.
5. BOXES LOCATED ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
6. PIPES MAY ENTER JUNCTION BOX FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
7. ALTERNATE JUNCTION BOX DESIGNS MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
8. 3-1/2"x 1-1/2" NOTCH SHALL BE FORMED IN ALL JUNCTION BOXES TO SUPPORT SIDEWALK CONSTRUCTION. REFER TO DETAIL OF NOTCH FOR SIDEWALKS.
9. HEAVY DUTY RING AND COVER SHALL BE USED WHEN BOX IS LOCATED WITHIN THE ROADWAY OR A CURB RADIUS. STANDARD DUTY ("NON-TRAFFIC" RATED) RING AND COVER MAY BE USED IN OTHER AREAS OUTSIDE OF ROADWAY.
10. HEAVY DUTY RING AND COVER TO BE EAST JORDAN V-1600-2 & 1348A OR APPROVED EQUAL.
11. STANDARD DUTY RING AND COVER TO BE EAST JORDAN V-1865 MANHOLE ASSEMBLY OR APPROVED EQUAL.

INSIDE DIMENSION	DIAMETER OF OUTLET PIPE	MIN. WALL THICKNESS	TOP CONCRETE SLAB REINFORCING
4'	12" - 27"	6"	# 5'S @ 6" O.C. E.W.
5'	30" - 42"	8"	# 5'S @ 6" O.C. E.W.
6'	48" - 54"	8"	# 6'S @ 6" O.C. E.W.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b><i>DRAINAGE DETAILS</i></b>
DESCRIPTION:	<b>JUNCTION BOX</b>

DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: D-2 JUNCTION BOX.dwg
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DATE: FEBRUARY 2017

SHEET:

REVISÉD

[illegible]

1000000

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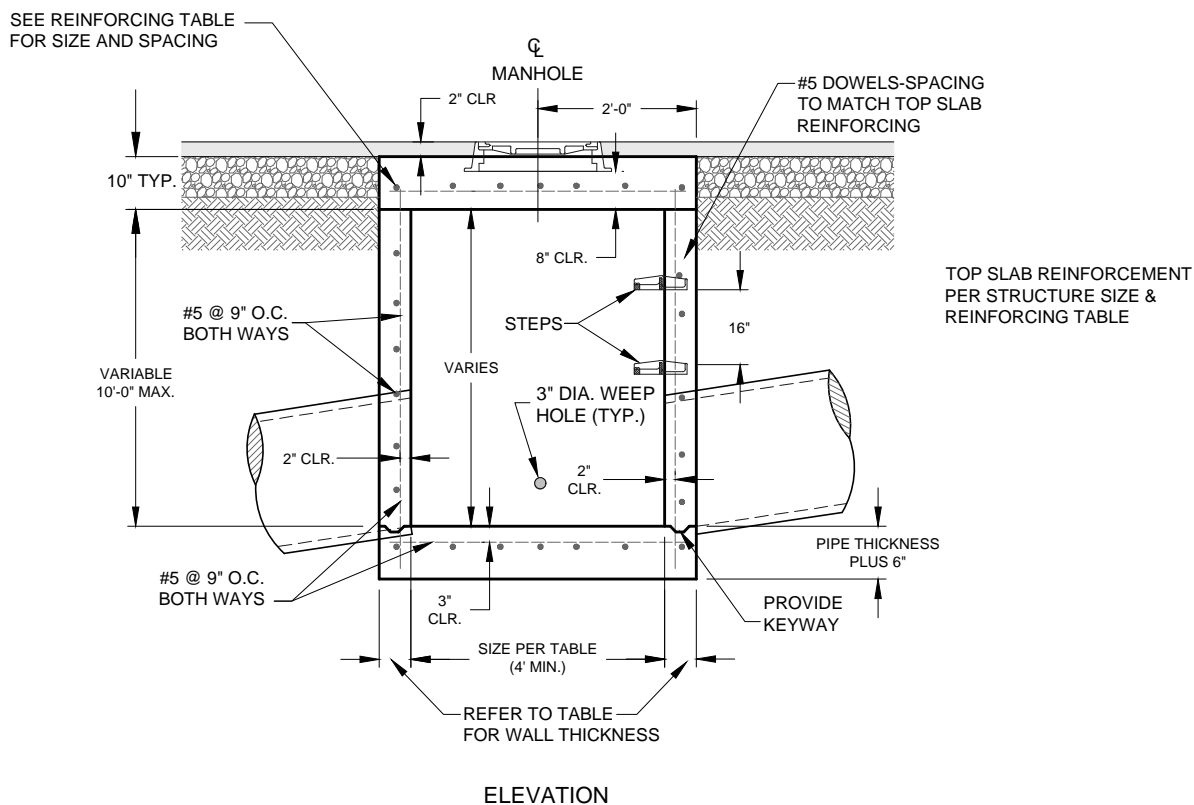
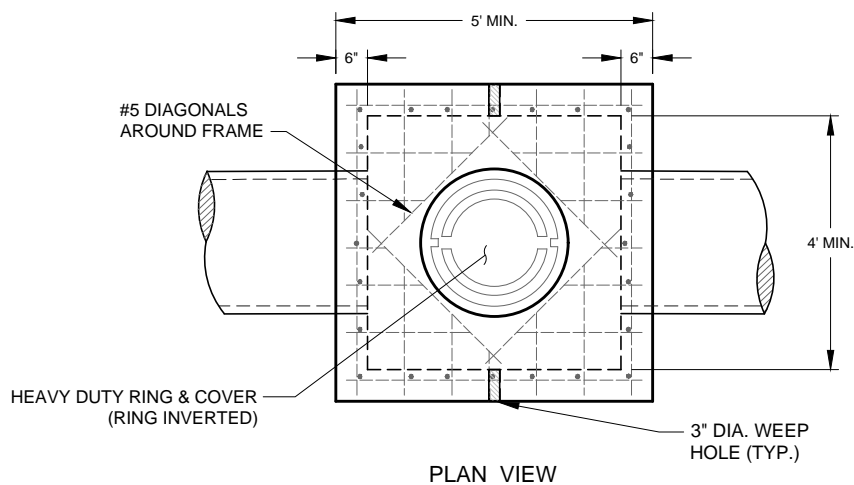
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**D-2**

# GENERAL NOTES:

1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. STEPS SHALL BE INSTALLED IN ALL INLETS 4'-0" HIGH AND OVER OR AS DIRECTED BY THE ENGINEER.
3. ALL REINFORCING BARS SHALL BE GRADE 60 AND HAVE MIN. 1" COVER.
4. ALL WORK SHALL COMPLY WITH SECTION 609 OF THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
5. BOXES LOCATED ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
6. PIPES MAY ENTER JUNCTION BOX FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
7. ALTERNATE JUNCTION BOX DESIGNS MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
8. HEAVY DUTY RING AND COVER SHALL BE USED WHEN BOX IS LOCATED WITHIN THE ROADWAY OR A CURB RADIUS.
9. HEAVY DUTY RING AND COVER TO BE EAST JORDAN V-1600-2 & 1348A OR APPROVED EQUAL.

INSIDE DIMENSION	DIAMETER OF OUTLET PIPE	MIN. WALL THICKNESS	TOP CONCRETE SLAB REINFORCING
4'	12" - 27"	6"	# 6'S @ 6" O.C. E.W.
5'	30" - 42"	8"	# 6'S @ 6" O.C. E.W.
6'	48" - 54"	8"	# 6'S @ 6" O.C. E.W.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b>DRAINAGE DETAILS</b>	DATE: FEBRUARY 2017
DESCRIPTION:	<b>JUNCTION BOX (IN ASPHALT)</b>	REVISED
DRAWN BY: NTR	CHECKED BY: BJV	FILE NAME: D-2A JUNCTION BOX IN ASPHALT.dwg

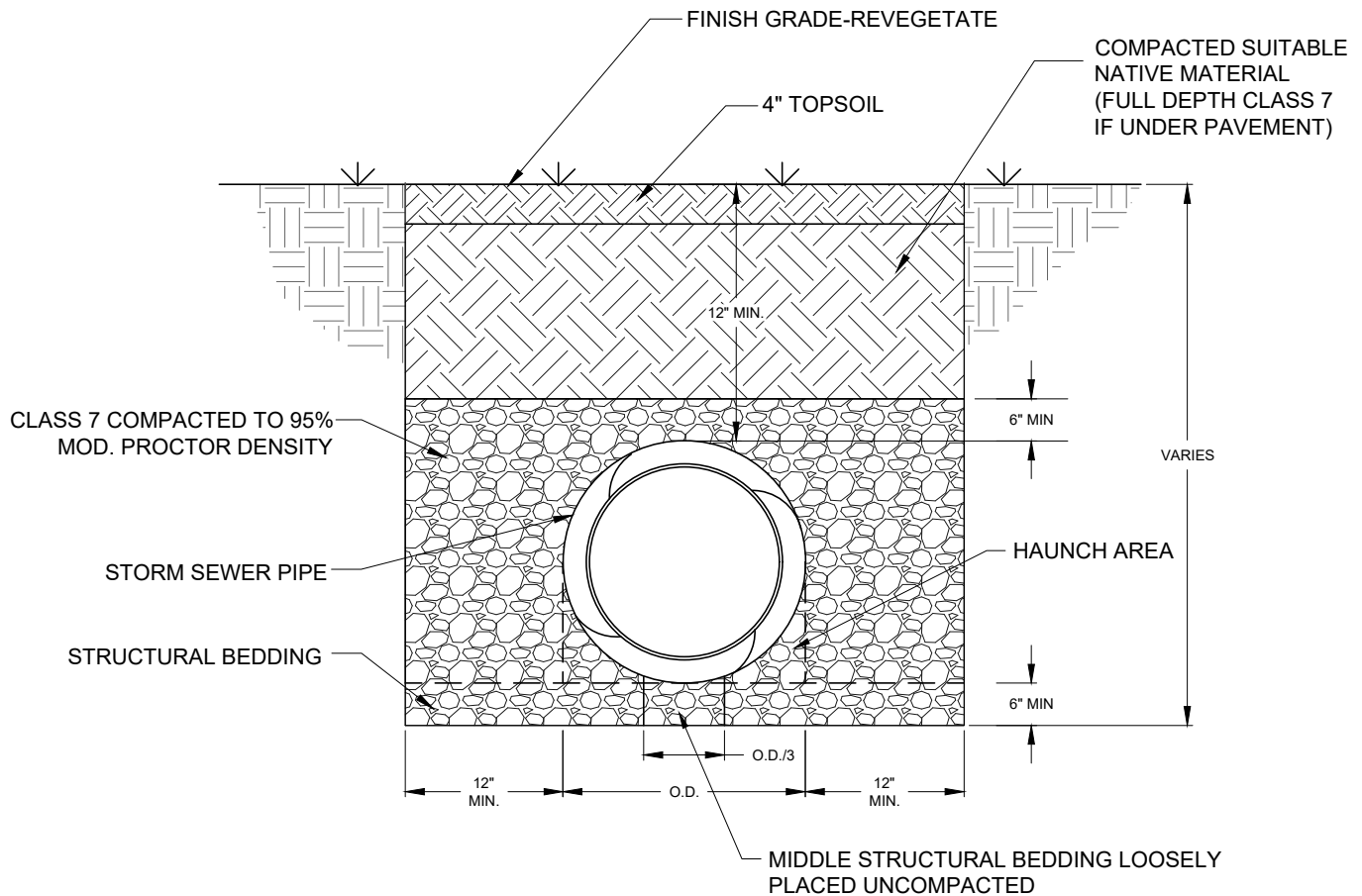
SHEET:	<b>D-2A</b>
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**NOTES:**

1. ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.
2. ALL WORK SHALL COMPLY WITH SECTION 606 OF THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
3. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
4. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
5. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE.
6. MATERIAL IN THE HAUNCH AND OUTER STRUCTURAL BEDDING SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR DENSITY.
7. FULL DEPTH CLASS 7 BACKFILL COMPACTED TO 95% MODIFIED PROCTOR DENSITY REQUIRED UNDER ALL PAVEMENT.

**CONSTRUCTION SEQUENCE:**

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. THE STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 8". THE LAYERS SHALL BE BROUGHT UP EVENLY AND SIMULTANEOUSLY.
5. PIPE INSTALLATION MAY REQUIRE THE USE OF RESTRAINTS, WEIGHTING OR OTHER APPROVED METHODS TO MAINTAIN GRADE AND ALIGNMENT.



**STORM SEWER (NON-RIGID PIPE)**



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: <b>DRAINAGE DETAILS</b>		
DESCRIPTION: <b>STORM SEWER (NON - RIGID PIPE)</b>		
DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: D-3 STORM SEWER (NON-RIGID PIPE).dwg

DATE: FEBRUARY 2017	SHEET:
REVISED	
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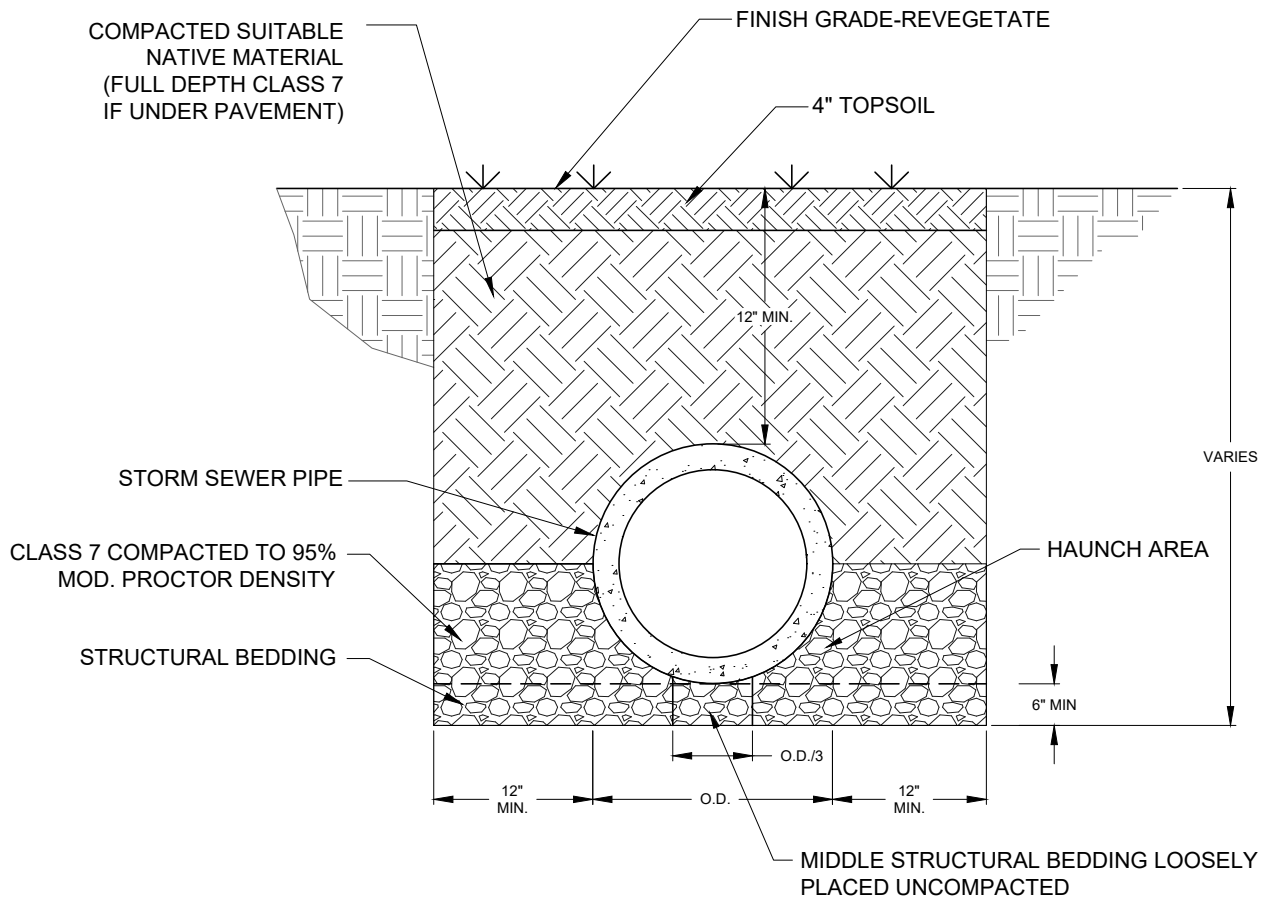
**D-3**

NOTES:

1. ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.
2. ALL WORK SHALL COMPLY WITH SECTION 606 OF THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
3. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
4. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
5. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE.
6. MATERIAL IN THE HAUNCH AND OUTER STRUCTURAL BEDDING SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR DENSITY.
7. FULL DEPTH CLASS 7 BACKFILL COMPACTED TO 95% MODIFIED PROCTOR DENSITY REQUIRED UNDER ALL PAVEMENT.

CONSTRUCTION SEQUENCE:

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE MIDDLE OF THE PIPE.
5. COMPLETE BACKFILL ACCORDING TO SPECIFICATIONS LISTED ABOVE.



**STORM SEWER (RIGID PIPE)**



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

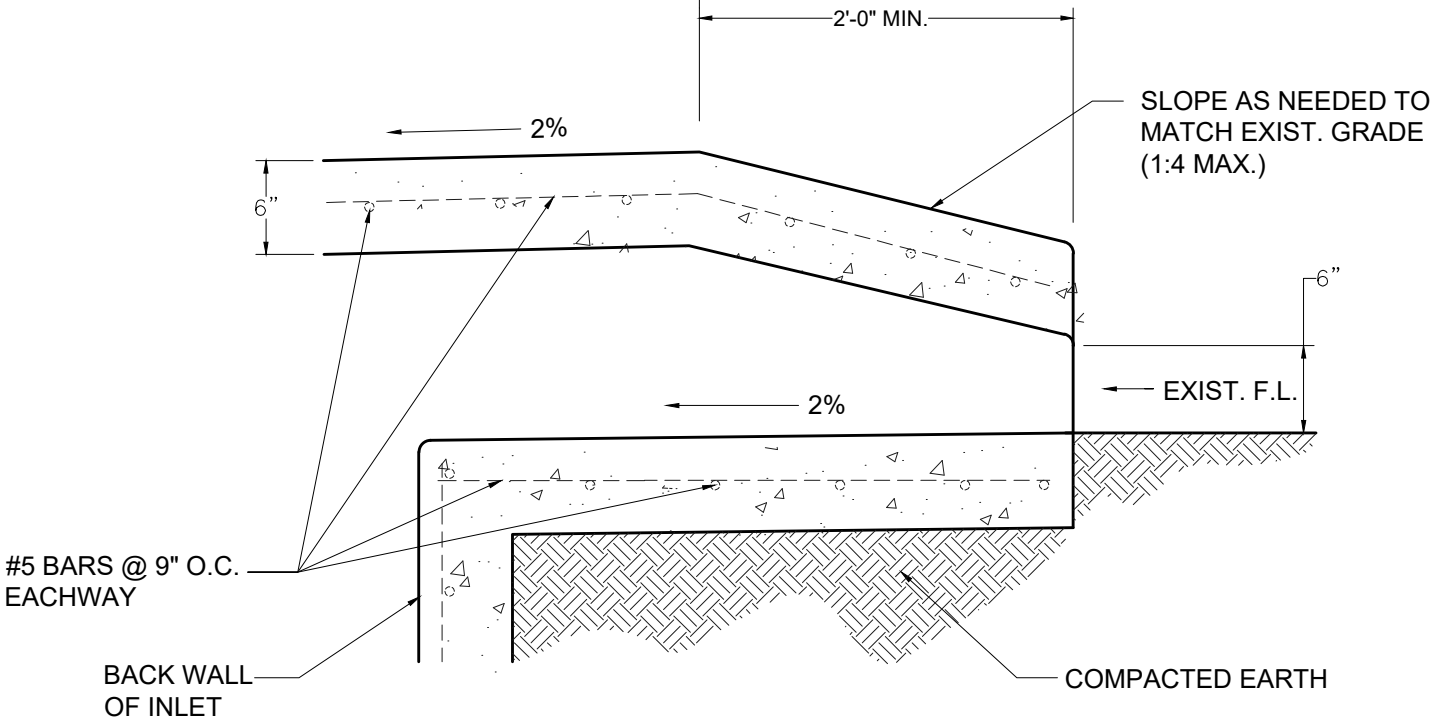
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DESCRIPTION:	<b>STORM SEWER (RIGID PIPE)</b>		
DRAWN BY:	NTR	CHECKED BY:	BFV
FILE NAME:	D-4 STORM SEWER (RIGID PIPE).dwg		

DATE:	FEBRUARY 2017
REVISION:	---
REVISION:	---
REVISION:	---
REVISION:	---
REVISION:	---

SHEET:

**D-4**

BACK OF D.I., SIDEWALK, CONC.  
ISLAND, OR SLOPE BREAK -  
WHICHEVER IS GREATER



WHEN OPENING IN BACK IS CALLED FOR ON PLANS,  
EXTEND OPENING AS SHOWN IN DETAIL.

## BACK OPENING



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**DRAINAGE DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**BACK OPENING**

REVISED

DRAWN BY: NTR

CHECKED BY: BFV

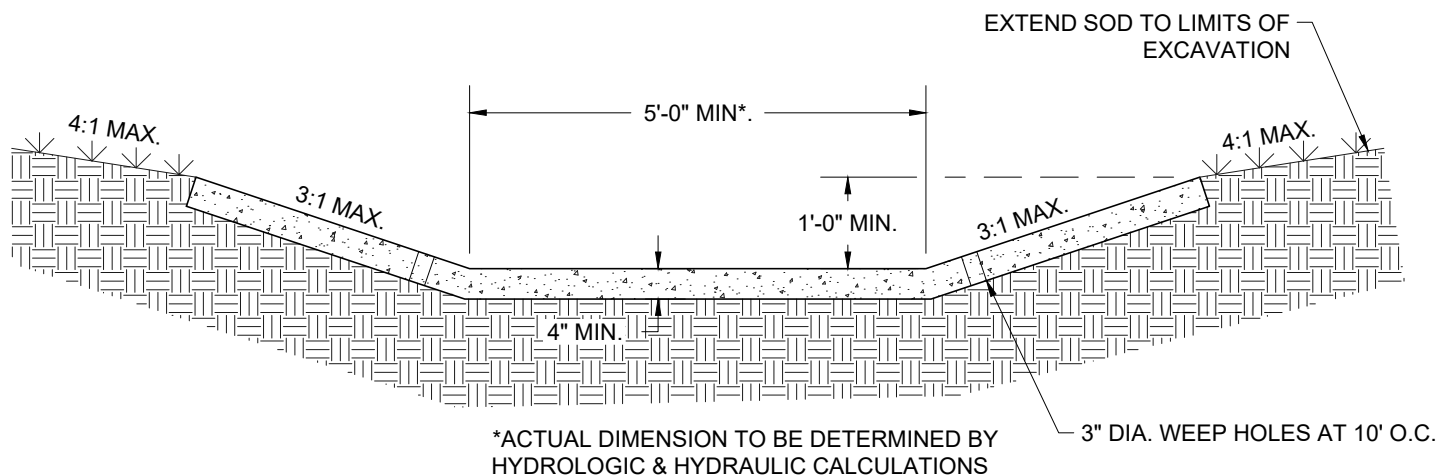
FILE NAME:

D-5 BACK OPENING.dwg

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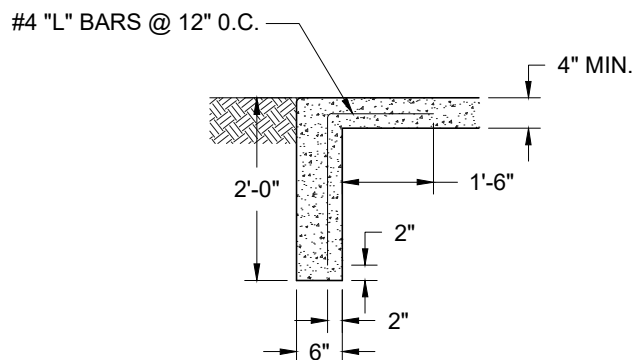
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**D-5**



## CONCRETE DITCH SECTION

N.T.S.



## TOE WALL DETAIL FOR END OF DITCH

### NOTES:

1. ALL MATERIALS & CONSTRUCTION SHALL COMPLY WITH SECTION 605 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.
3. TOE WALLS TO BE CONSTRUCTED FULL WIDTH AT EACH END OF DITCH PAVING AND POURED MONOLITHICALLY.
4. SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 DAYS OF DITCH PAVING CONSTRUCTION.
5. 1/2" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT MAX. 45' INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**DRAINAGE DETAILS**

DESCRIPTION:

**CONCRETE DITCH PAVING**

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME:

D-6 CONCRETE DITCH.dwg

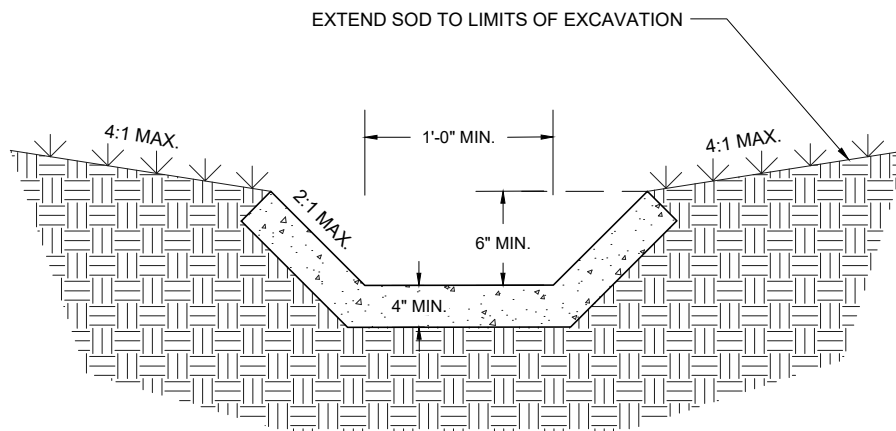
DATE: MAY 2017

REVISED

SHEET:

**D-6**





\*SWALE ONLY TO BE USED WHEN COLLECTING  
A WATERSHED 5 ACRES OR LESS

## CONCRETE SWALE SECTION\*

N.T.S.

### NOTES:

1. ALL MATERIALS & CONSTRUCTION SHALL COMPLY WITH SECTION 605 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.
3. SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 DAYS OF DITCH PAVING CONSTRUCTION.
4. 1/2" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT MAX. 45' INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**DRAINAGE DETAILS**

DESCRIPTION:

**CONCRETE SWALE PAVING**

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME:

D-7 CONCRETE SWALE.dwg

DATE: MAY 2017

REVISED

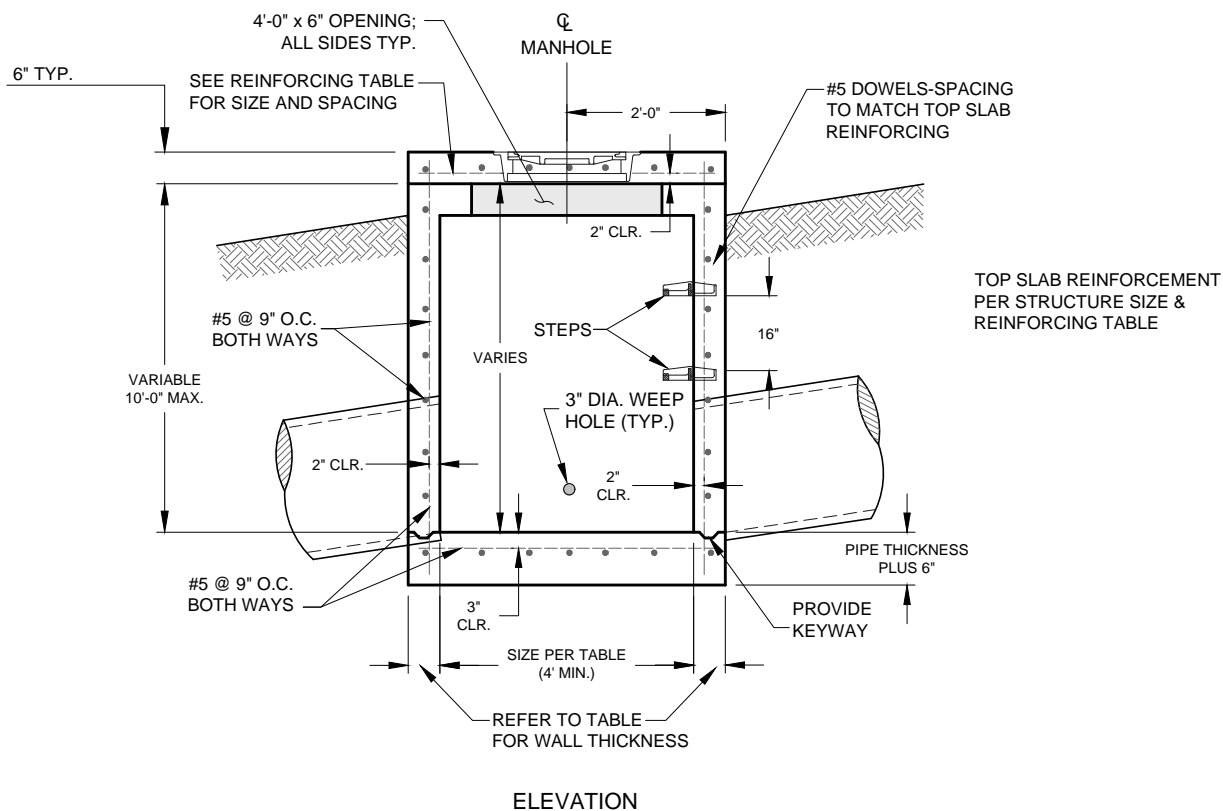
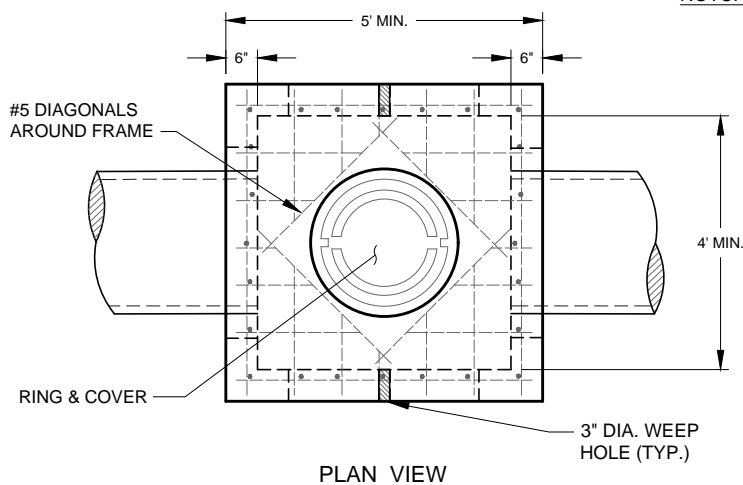
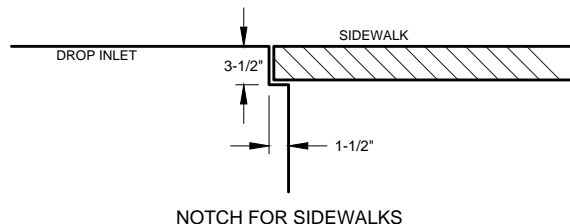
SHEET:

**D-7**

# GENERAL NOTES:

1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. STEPS SHALL BE INSTALLED IN ALL INLETS 4'-0" HIGH AND OVER OR AS DIRECTED BY THE ENGINEER.
3. ALL REINFORCING BARS SHALL BE GRADE 60 AND HAVE MIN. 1" COVER.
4. ALL WORK SHALL COMPLY WITH SECTION 609 OF THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.
5. BOXES LOCATED ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
6. PIPES MAY ENTER JUNCTION BOX FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
7. ALTERNATE JUNCTION BOX DESIGNS MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
8. 3-1/2"x 1-1/2" NOTCH SHALL BE FORMED IN ALL JUNCTION BOXES TO SUPPORT SIDEWALK CONSTRUCTION. REFER TO DETAIL OF NOTCH FOR SIDEWALKS.
9. HEAVY DUTY RING AND COVER SHALL BE USED WHEN BOX IS LOCATED WITHIN THE ROADWAY OR A CURB RADIUS. STANDARD DUTY ("NON-TRAFFIC" RATED) RING AND COVER MAY BE USED IN OTHER AREAS OUTSIDE OF ROADWAY.
10. HEAVY DUTY RING AND COVER TO BE EAST JORDAN V-1600-2 & 1348A OR APPROVED EQUAL.
11. STANDARD DUTY RING AND COVER TO BE EAST JORDAN V-1865 MANHOLE ASSEMBLY OR APPROVED EQUAL.

INSIDE DIMENSION	DIAMETER OF OUTLET PIPE	MIN. WALL THICKNESS	TOP CONCRETE SLAB REINFORCING
4'	12" - 27"	6"	# 5'S @ 6" O.C. E.W.
5'	30" - 42"	8"	# 5'S @ 6" O.C. E.W.
6'	48" - 54"	8"	# 6'S @ 6" O.C. E.W.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**DRAINAGE DETAILS**

DESCRIPTION:

**AREA INLET**

DRAWN BY: NTR

CHECKED BY: BVF

FILE NAME:

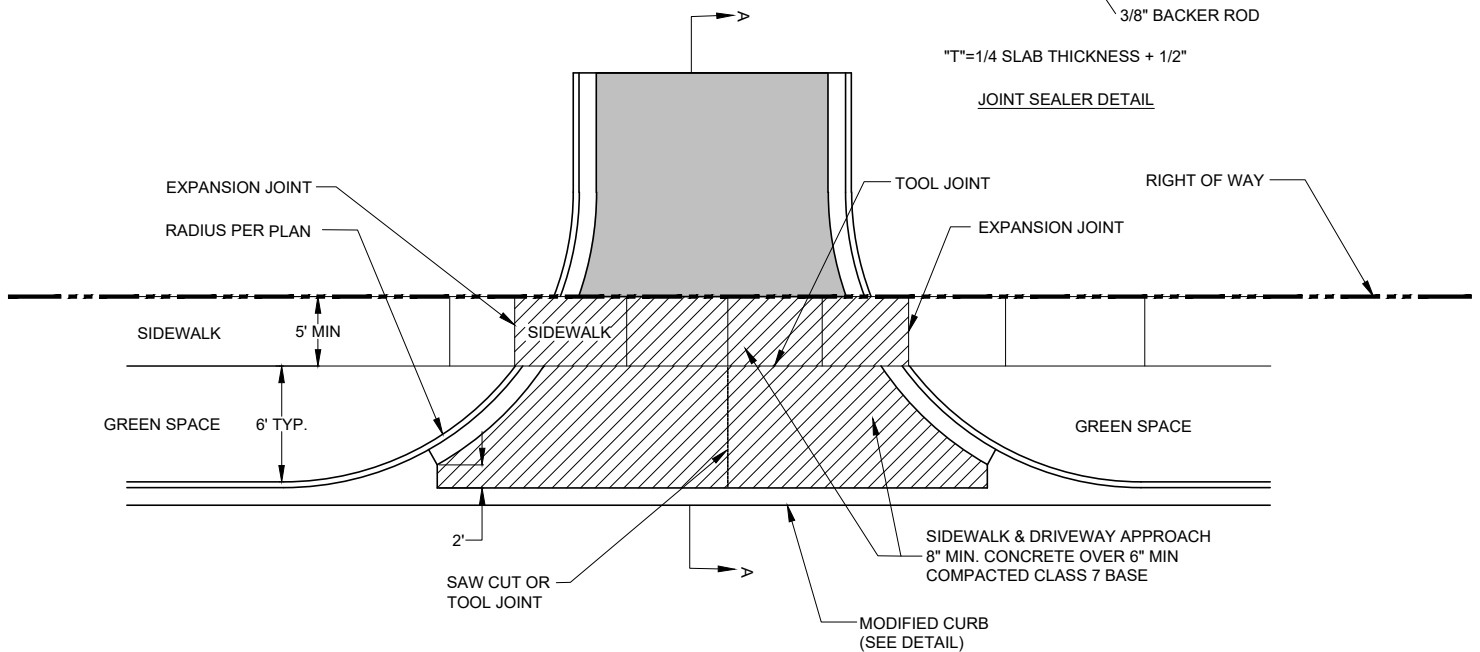
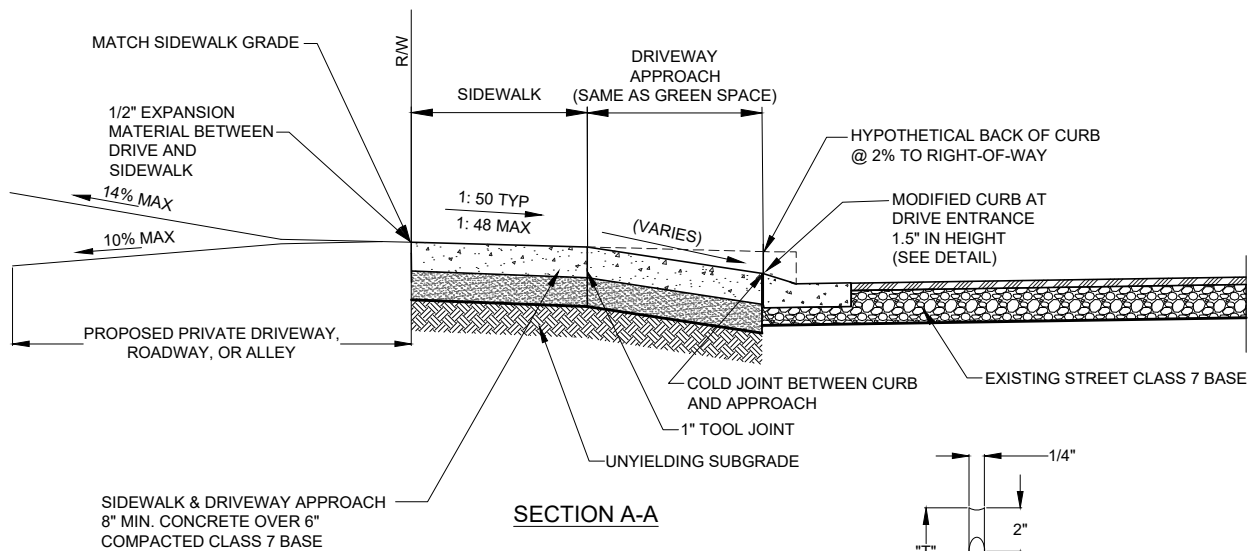
D-8 AREA INLET.dwg

DATE: FEBRUARY 2017

REVISED

SHEET:

**D-8**



#### NOTES:

1. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK OPPOSITE THE STREET.
2. CONCRETE TO BE SAW-CUT OR PLACE A TOOL JOINT AT THE CENTER OF DRIVE AND SEALED. IF POSSIBLE CONTRACTOR SHALL TRY TO ALIGN THE JOINT AT THE CENTER OF THE DRIVE WITH THE A JOINT IN THE ADJACENT SIDEWALK.
3. ALL WORK SHALL COMPLY WITH SECTION 505 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION
4. \*ALL SIDEWALKS AND CURB CUTS FOR DRIVEWAY APPROACHES REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.\*

### COMMERCIAL DRIVEWAY DETAIL

N.T.S.

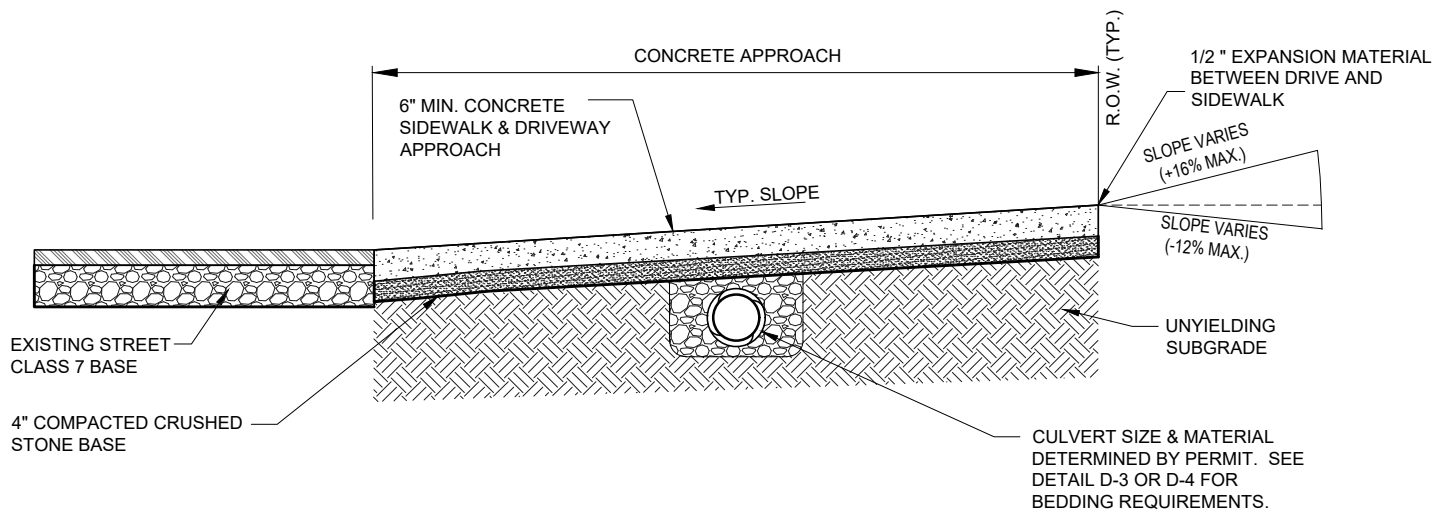


CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
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CONWAY, ARKANSAS 72032  
501-450-6165

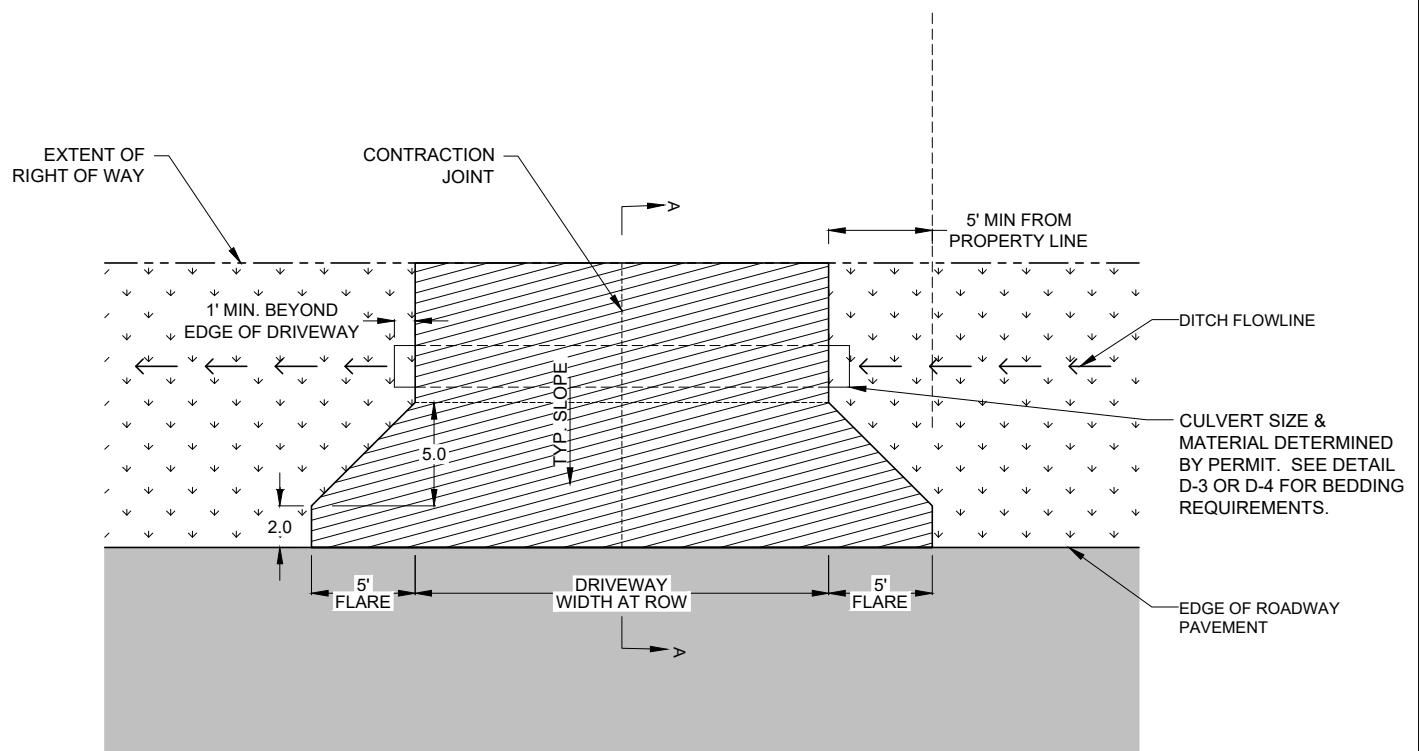
TITLE:	<b>DRIVEWAY DETAILS</b>	DATE: FEBRUARY 2017
DESCRIPTION:	<b>COMMERCIAL DRIVEWAY</b>	REVISED
DRAWN BY: NTR	CHECKED BY: BJV	FILE NAME: DW-1 DRIVEWAY (COMMERCIAL).dwg

SHEET:	<b>DW-1</b>
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**SECTION A-A**  
N.T.S.



**PLAN VIEW**  
N.T.S.

**NOTES:**

- ALL WORK SHALL COMPLY WITH SECTION 505 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b>DRIVEWAY DETAILS</b>	
DESCRIPTION:	<b>STANDARD RESIDENTIAL DRIVEWAY (OPEN DITCH)</b>	
DRAWN BY: NTR	CHECKED BY: BfV	FILE NAME: DW-3 DRIVEWAY (OPEN DITCH).dwg

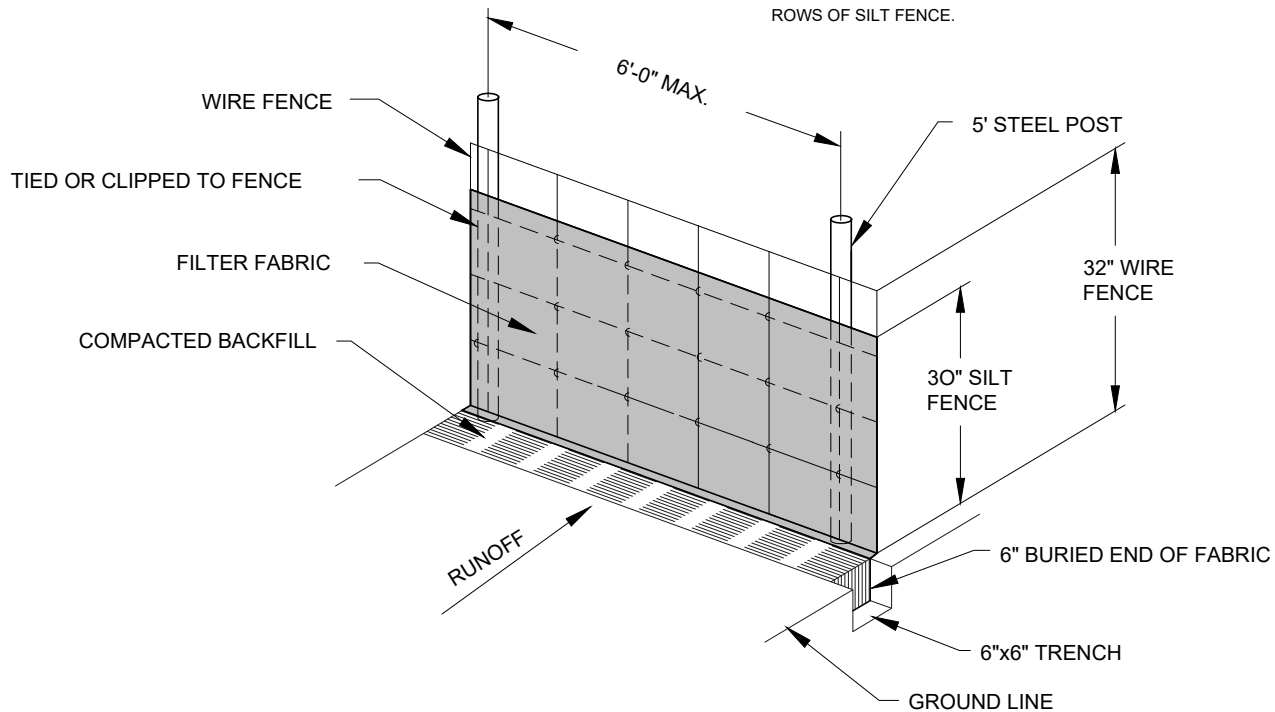
DATE: SEPTEMBER 2017	SHEET:
REVISED	

**DW-3**

Maximum Slope Length for Silt Fence		
Slope-Percent	Maximum Slope Length (ft) Above Fence	
	Standard (18" High) Silt Fence	Reinforced (30" High) Silt Fence
2 (or less)	150	250
5	100	250
10	50	150
15	35	100
20	25	70
25	20	55
30	15	45
35	15	40
40	15	35
45	10	30
50	10	25

**NOTES:**

1. THE SLOPE LENGTH SHOWN IS THE DISTANCE FROM THE FENCE TO THE DRAINAGE DIVIDE OR THE NEAREST UPSLOPE CHANNEL.
2. SLOPE LENGTH CANNOT BE ADDRESSED BY USE OF MULTIPLE ROWS OF SILT FENCE.



**SILT FENCE NOTES**

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

## WIRE REINFORCED SILT FENCE

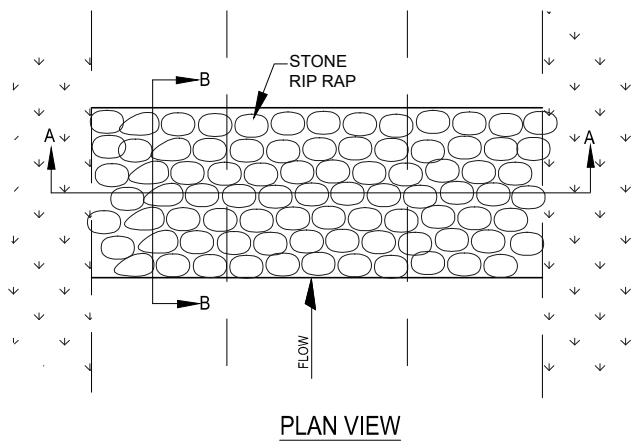
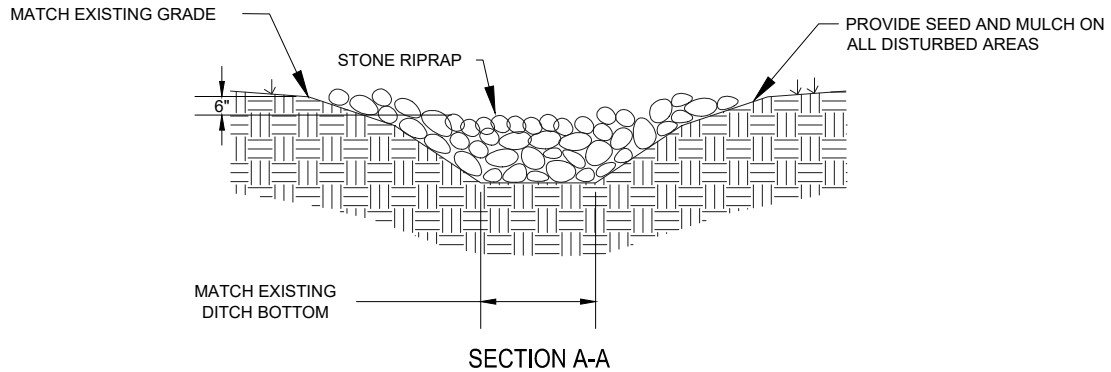
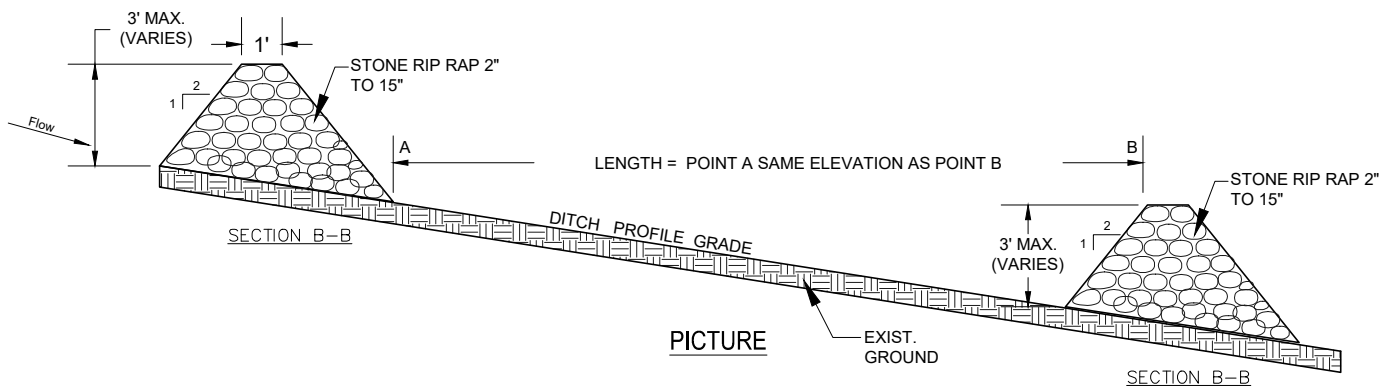
N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
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501-450-6165

TITLE:	<b>EROSION CONTROL DETAILS</b>	DATE: FEBRUARY 2017
DESCRIPTION:	<b>WIRE REINFORCED SILT FENCE</b>	REVISED
DRAWN BY: NTR	CHECKED BY: BJV	FILE NAME: EC-1 WIRE REINFORCED SILT FENCE.dwg

SHEET:  
**EC-1**



#### INSTALLATION:

1. EXCAVATE KEY-WAY (IF REQUIRED)
2. A GEOTEXTILE FABRIC SHALL BE INSTALLED OVER THE SOIL SURFACE WHERE THE ROCK IS TO BE PLACED (IF REQUIRED)
3. ROCK DIAMETERS SHOULD BE 2" TO 15" IN DIAMETER
4. ROCK DITCH CHECKS SHOULD NOT EXCEED 3 FEET
5. STONES SHOULD BE PLACED UP THE CHANNEL BANKS TO PREVENT WATER FROM CUTTING AROUND THE DITCH CHECK
6. INSTALLATION SHALL BE PLACED EITHER BY HAND OR MECHANICALLY AND NOT JUST DUMPED TO ACHIEVE COMPLETE COVERAGE OF THE DITCH AND ENSURE THE CENTER OF THE DAM IS LOWER THAN THE EDGES
7. MAXIMUM SPACING BETWEEN MULTIPLE DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM CHECK IS THE SAME AS THE TOP OF THE DOWNSTREAM CHECK

#### INSPECTION:

- INSPECT ROCK DITCH CHECKS EVERY (7) CALENDAR DAYS AND WITH-IN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2" PRECIPITATION.
- SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/2 THE ORIGINAL CHECK HEIGHT
- IN THE CASE OF GRASS-LINED DITCHES OR SWALES, ROCK DITCH CHECKS SHOULD BE REMOVED WHEN THE GRASS HAS MATURED SUFFICIENTLY TO PROTECT THE DITCH OR SWALE, IF THE SLOPE IS 4% OR LESS.
- THE AREA BENEATH THE ROCK DITCH CHECKS SHOULD BE SEEDED AND MULCHED IMMEDIATELY AFTER THE CHECK DAM REMOVAL

## ROCK CHECK DAM

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**EROSION CONTROL DETAILS**

DESCRIPTION:

**ROCK CHECK DAM**

DATE: MAY 2017

REVISED

SHEET:

**EC-2**

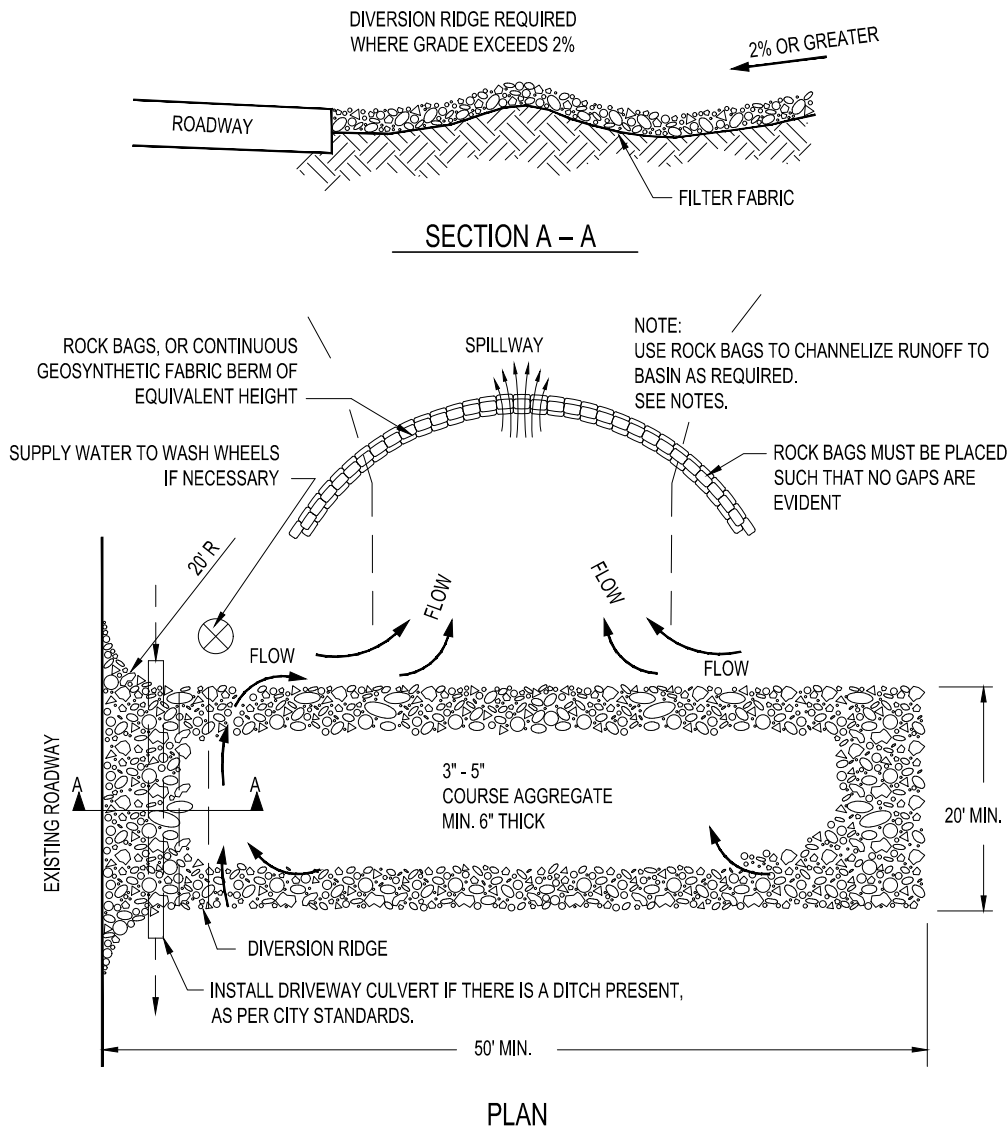
DRAWN BY: NTR

CHECKED BY: BJV

FILE NAME:

EC-2 ROCK CHECK DAM.dwg





NOTE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

## STABILIZED CONSTRUCTION EXIT

N.T.S.

### NOTES

1. STONE SIZE: 3"-5" OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 50'.
3. THICKNESS: NOT LESS THAN 8".
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE CONDITIONS DEMAND, AND REPAIR AND CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENTS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**EROSION CONTROL DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**STABILIZED CONSTRUCTION EXIT**

REVISED

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**EC-3**

DRAWN BY: NTR

CHECKED BY: BFW

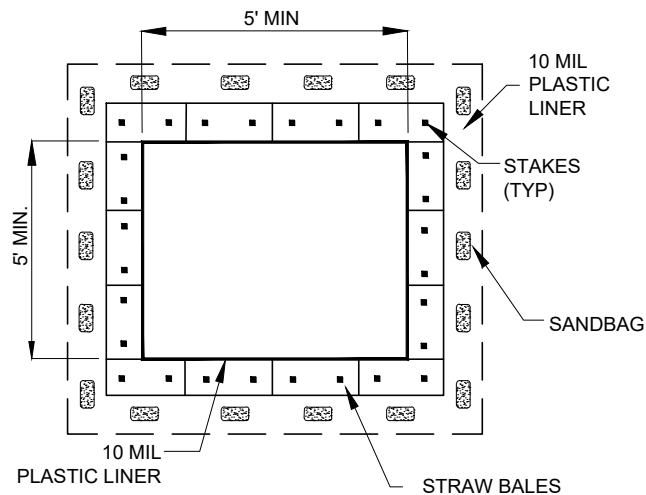
FILE NAME:

EC-3 CONSTRUCTION EXIT.dwg

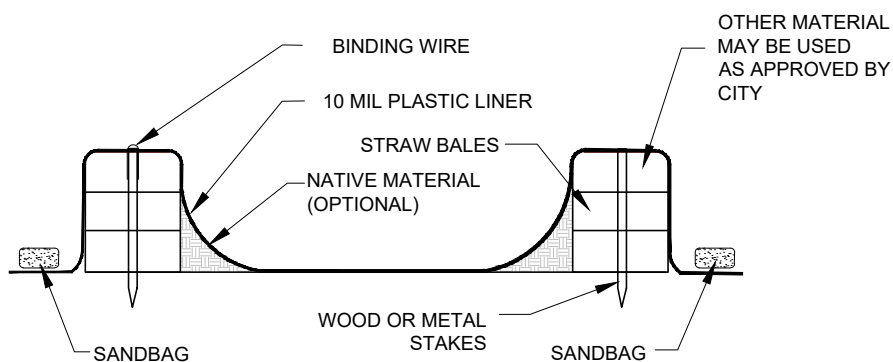


## WASHOUT NOTES

1. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
4. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
5. WASHOUT FACILITIES WILL BE CLEANED OUT OR REPLACED ONCE THE WASHOUT IS 75% FULL.
6. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
7. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFFSITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.



PLAN



SECTION

# CONCRETE WASHOUT

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: **EROSION CONTROL DETAILS**

DESCRIPTION: **CONCRETE WASHOUT**

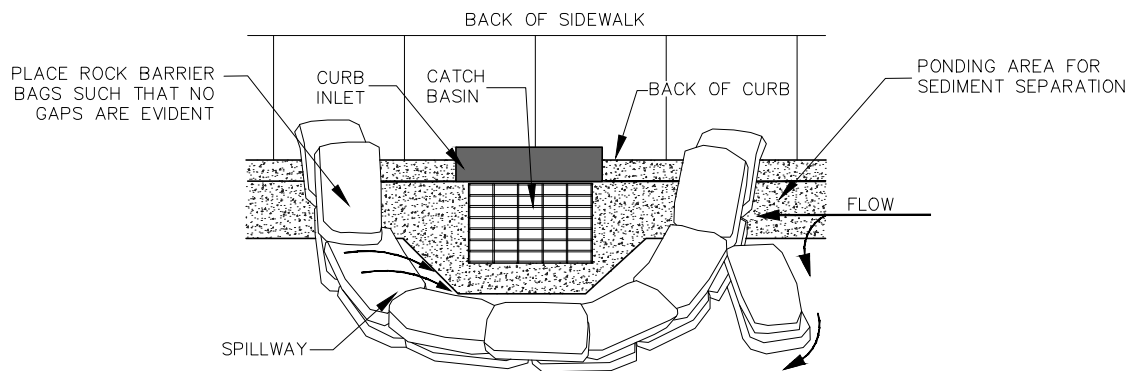
DRAWN BY: NTR CHECKED BY: BFV FILE NAME: EC-4 CONCRETE WASHOUT.dwg

DATE: FEBRUARY 2017  
REVISED

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SHEET:

**EC-4**



**NOTES:**

1. BAGS OF WOVEN GEOTEXTILE FABRIC, FILLED WITH GRAVEL MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
2. LEAVE ONE SANDBAG GAP IN THE TOP ROW ON THE SIDE AWAY FROM FLOW, TO PROVIDE A SPILLWAY; OR IN THE CENTER IF PONDING IS NEEDED ON BOTH SIDES.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT, SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY

## CURB INLET PROTECTION

N.T.S.

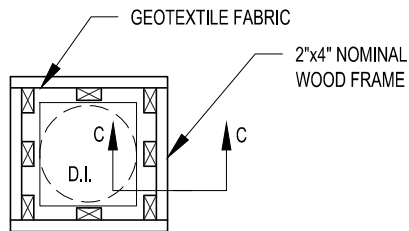
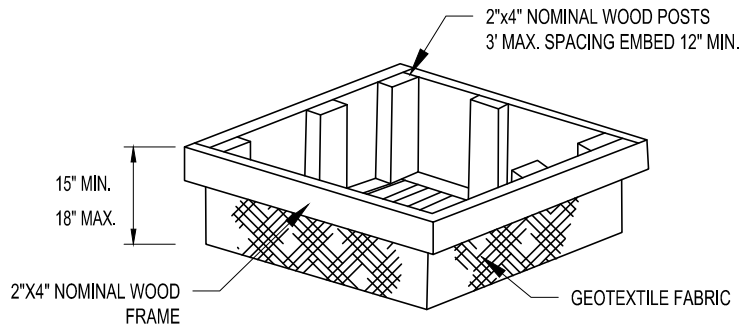


CITY OF CONWAY  
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CONWAY, ARKANSAS 72032  
501-450-6165

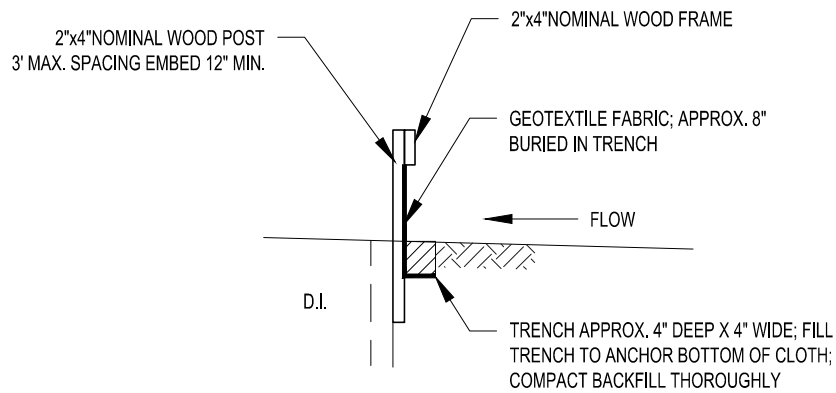
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DESCRIPTION: <b>CURB INLET PROTECTION</b>	
DRAWN BY: NTR	CHECKED BY: BFV
FILE NAME: EC-5 CURB INLET PROTECTION.dwg	

DATE: FEBRUARY 2017
REVISED
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SHEET:  
**EC-5**



PLAN



SECTION C-C

## SILT FENCE AT DROP INLET

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**EROSION CONTROL DETAILS**

DESCRIPTION:

**SILT FENCE AT DROP INLET**

DRAWN BY: NTR

CHECKED BY: BFV

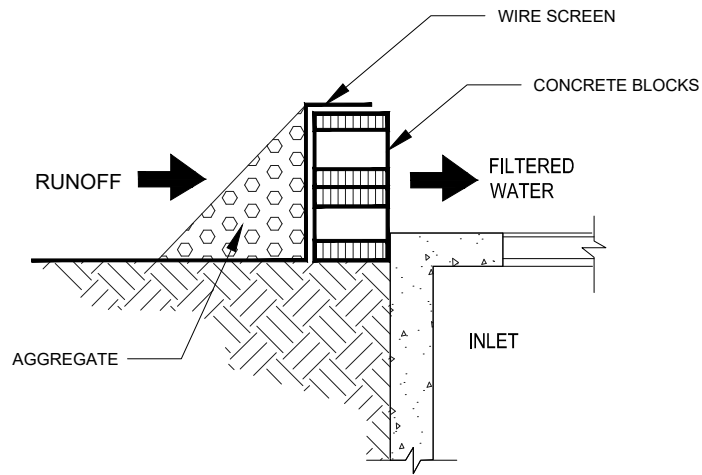
FILE NAME: EC-6 DROP INLET SILT FENCE.dwg

DATE: FEBRUARY 2017

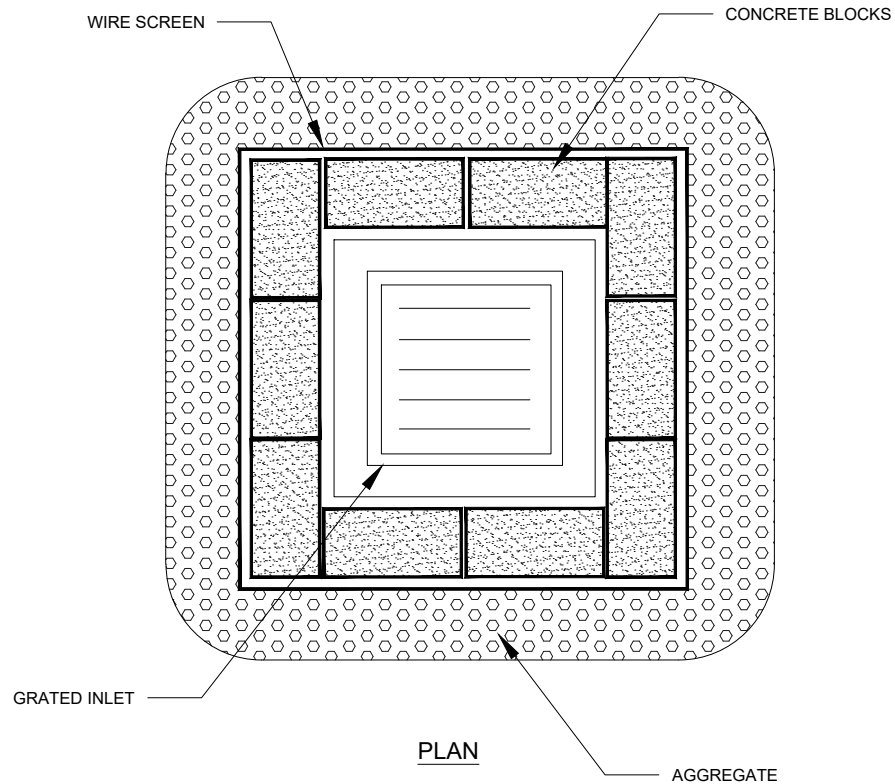
REVISED

SHEET:

**EC-6**



SECTION



PLAN

## BLOCK & STONE INLET PROTECTION

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

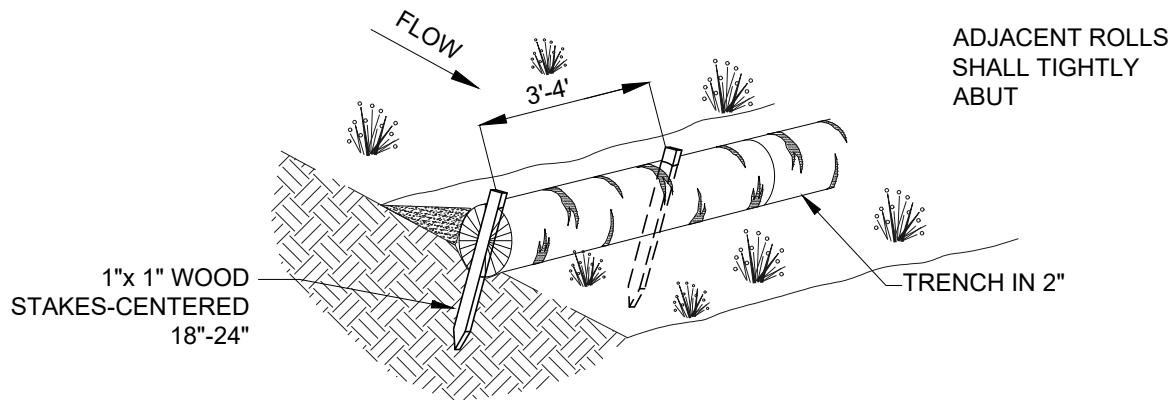
TITLE:	<b>EROSION CONTROL DETAILS</b>		
DESCRIPTION:	<b>BLOCK &amp; STONE INLET PROTECTION</b>		
DRAWN BY:	NTR	CHECKED BY:	BFV
FILE NAME:	EC-7 BLOCK & STONE INLET PROTECTION.dwg		

DATE:	FEBRUARY 2017
REVISED	

SHEET:

**EC-7**

WATTLE SPACING	
SLOPE	MAXIMUM SPACING
1:1	20'
2:1	30'
3:1	40'
4:1	50'



#### INSTALLATION NOTES

1. WATTLES SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER.
2. NOT FOR USE IN CONCENTRATED FLOW AREAS.
3. THE WATTLES SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF TWO (2) INCHES.
4. WATTLES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. ON SLOPES, WATTLES SHOULD BE INSTALLED ON CONTOUR WITH A SLIGHT UPWARD CURVE AT THE END OF THE ROW IN ORDER TO CREATE PONDING.
6. RUNNING LENGTHS OF WATTLES SHOULD BE ABUTTED FIRMLY TO ENSURE NO LEAKAGE AT THE ABUTMENTS.
7. WHEN INSTALLING RUNNING LENGTHS OF WATTLES, BUTT THE SECOND WATTLE TIGHTLY AGAINST THE FIRST, DO NOT OVERLAP THE ENDS. STAKE THE WATTLES AT EACH END AND FOUR FOOT ON CENTER.
8. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE. LEAVING 2 - 3 INCHES OF THE STAKE PROTRUDING ABOVE THE WATTLE. WHEN INSTALLING WATTLES ON SLOPES, DRIVE THE STAKES PERPENDICULAR TO THE SLOPE.
9. DRIVE THE FIRST END STAKE OF THE SECOND WATTLE AT AN ANGLE TOWARD THE FIRST WATTLE IN ORDER TO HELP ABUT THEM TIGHTLY TOGETHER.
10. THE CITY RECOMMENDS USING WOOD STAKES TO SECURE THE WATTLES. 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE WITH A SAFETY CAP.. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.
11. THE CONTRACTOR SHALL INSPECT WATTLES EVERY TWO WEEKS AND AFTER ANY SIGNIFICANT STORM EVENT AND MAKE REPAIRS OR REMOVE SEDIMENT ACCUMULATED BEHIND WATTLE AS NECESSARY.
12. SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DIAMETER OF THE WATTLE.
13. WATTLES SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND IS ACCEPTED BY THE CITY.

## WATTLE

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**EROSION CONTROL DETAILS**

DESCRIPTION:

**WATTLE**

DRAWN BY: NTR

CHECKED BY: BFW

FILE NAME:

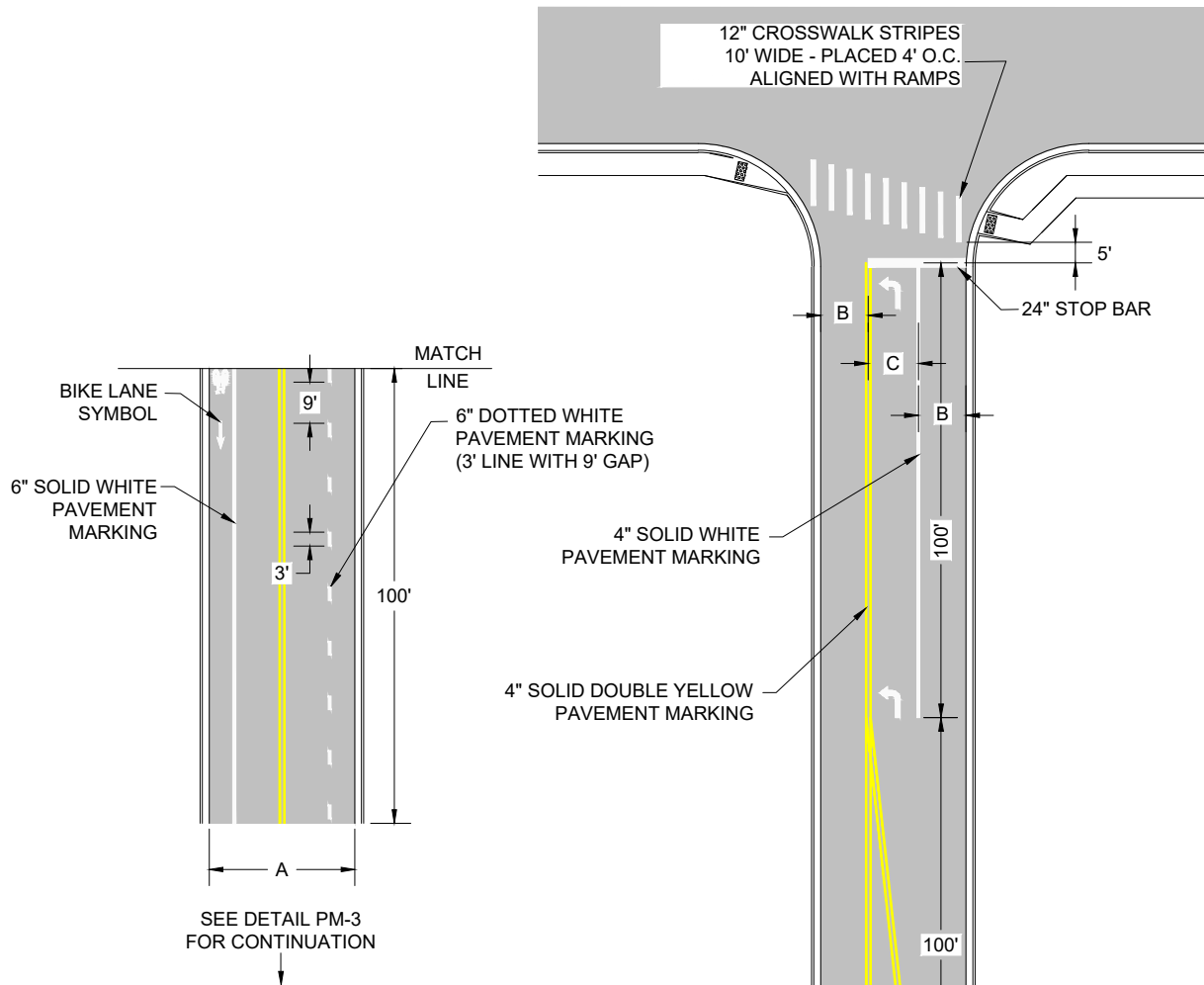
EC-8 WATTLE.dwg

DATE: FEBRUARY 2017

REVISED

SHEET:

**EC-8**



LANE WIDTHS (ft.)		
A	B	C
27	13.5	0
28	14	0
29	10	9
30	10	10
31	10	11
32	10.5	11
33	11	11
34	11	12
35	11	13
36	11	14

ALL PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MUTCD (CURRENT EDITION) AND THE ARKANSAS STATE HIGHWAY COMMISSION STANDARD DRAWING PM-1



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**TYPICAL INTERSECTION**

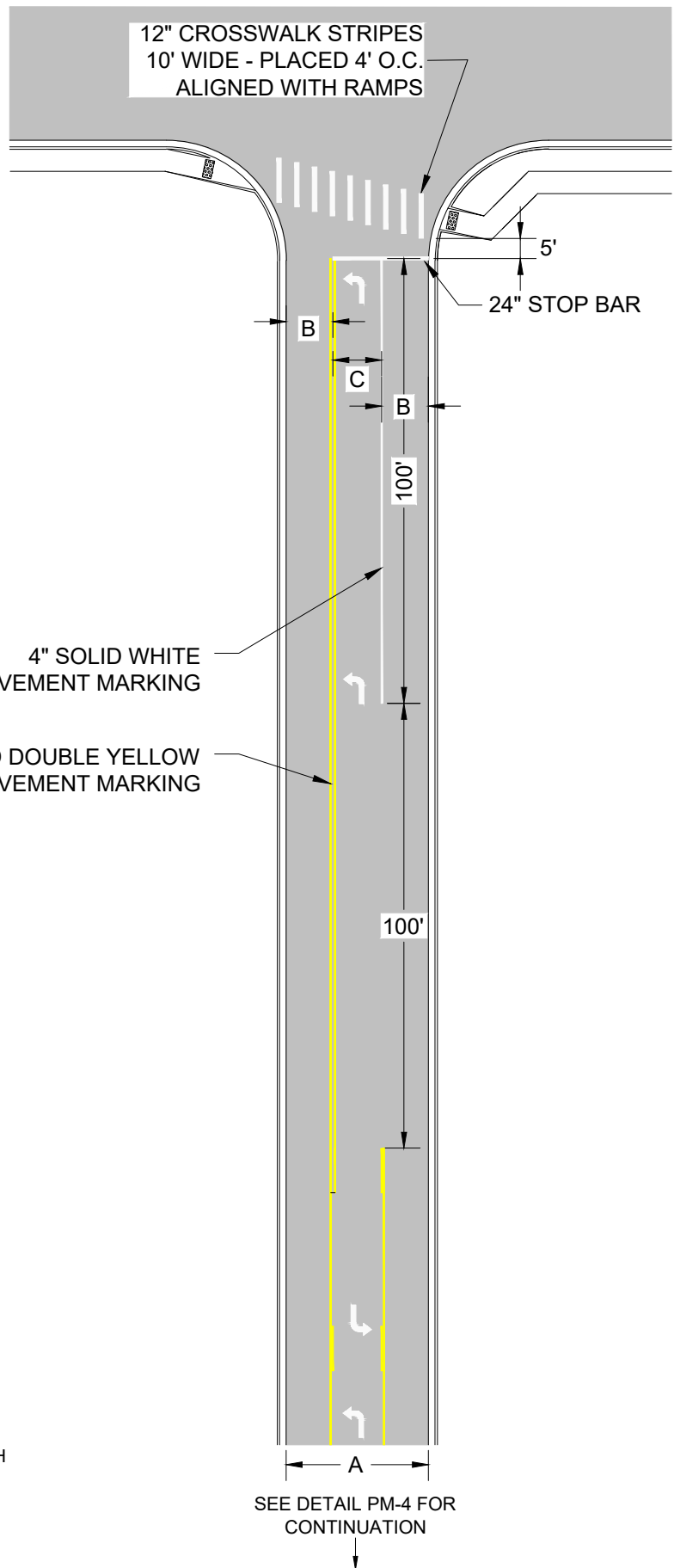
REVISED

DRAWN BY: NTR

CHECKED BY: B/FV

FILE NAME: PM-1 BIKE STRIPING INTERSECTION.dwg

**PM-1**



LANE WIDTHS (ft.)		
A	B	C
27	13.5	0
28	14	0
29	9.5	10
30	10	10
31	10	11
32	10.5	11
33	11	11
34	11	12
35	11	13
36	11	14

ALL PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH  
THE MUTCD (CURRENT EDITION) AND THE ARKANSAS  
STATE HIGHWAY COMMISSION STANDARD DRAWING PM-1



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
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CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b>STREET DETAILS</b>	
DESCRIPTION:	<b>TYPICAL TWLTL AT INTERSECTION</b>	
DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: PM-2 TWLTL STRIPING INTERSECTION.dwg

DATE: FEBRUARY 2017
REVISED
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SHEET:

**PM-2**

BIKE LANE SYMBOL  
(PLACED AFTER MAJOR  
INTERSECTIONS & AT  
1,000' INTERVALS)

4" SOLID DOUBLE YELLOW  
PAVEMENT MARKING

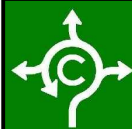
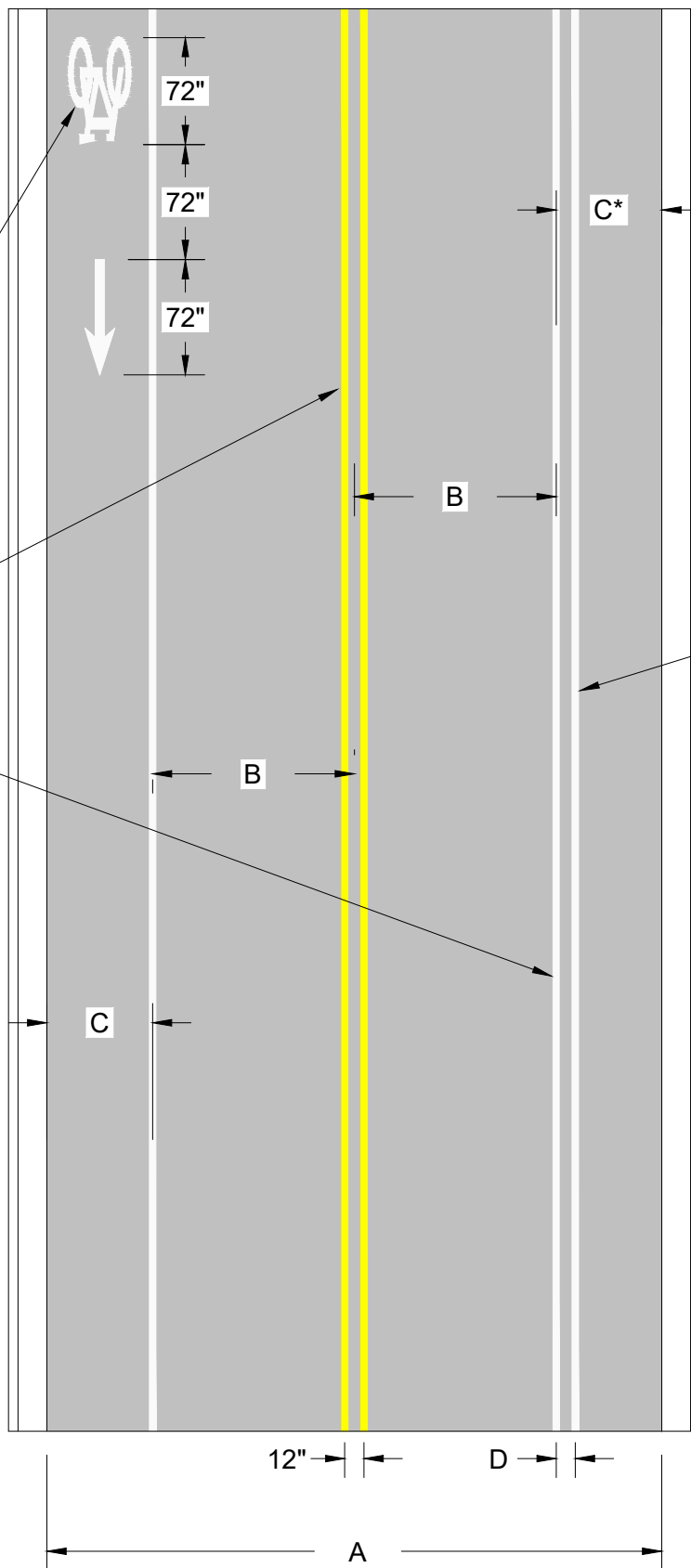
6" SOLID WHITE  
PAVEMENT MARKING

\* LANE WIDTH  
MEASURED FROM  
INSIDE LINE

6" SOLID WHITE  
PAVEMENT  
MARKING (WHERE  
D>0)

LANE WIDTHS (ft.)			
A	B	C	D
27	13.5	0	0
28	10	4	0
29	10	4.5	0
30	10	5	0
31	10	5.5	1.33
32	10.5	5.5	1.33
33	11	5.5	1.33
34	11	6	2.0
35	11	6.5	2.5
36	11	7	3

ALL PAVEMENT MARKING SHALL BE IN  
ACCORDANCE WITH THE MUTCD (CURRENT  
EDITION) AND THE ARKANSAS STATE HIGHWAY  
COMMISSION STANDARD DRAWING PM-1



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**TYPICAL BIKE LANE STRIPING**

REVISED

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME: PM-3 BIKE LANE STRIPING DETAIL.dwg

**PM-3**



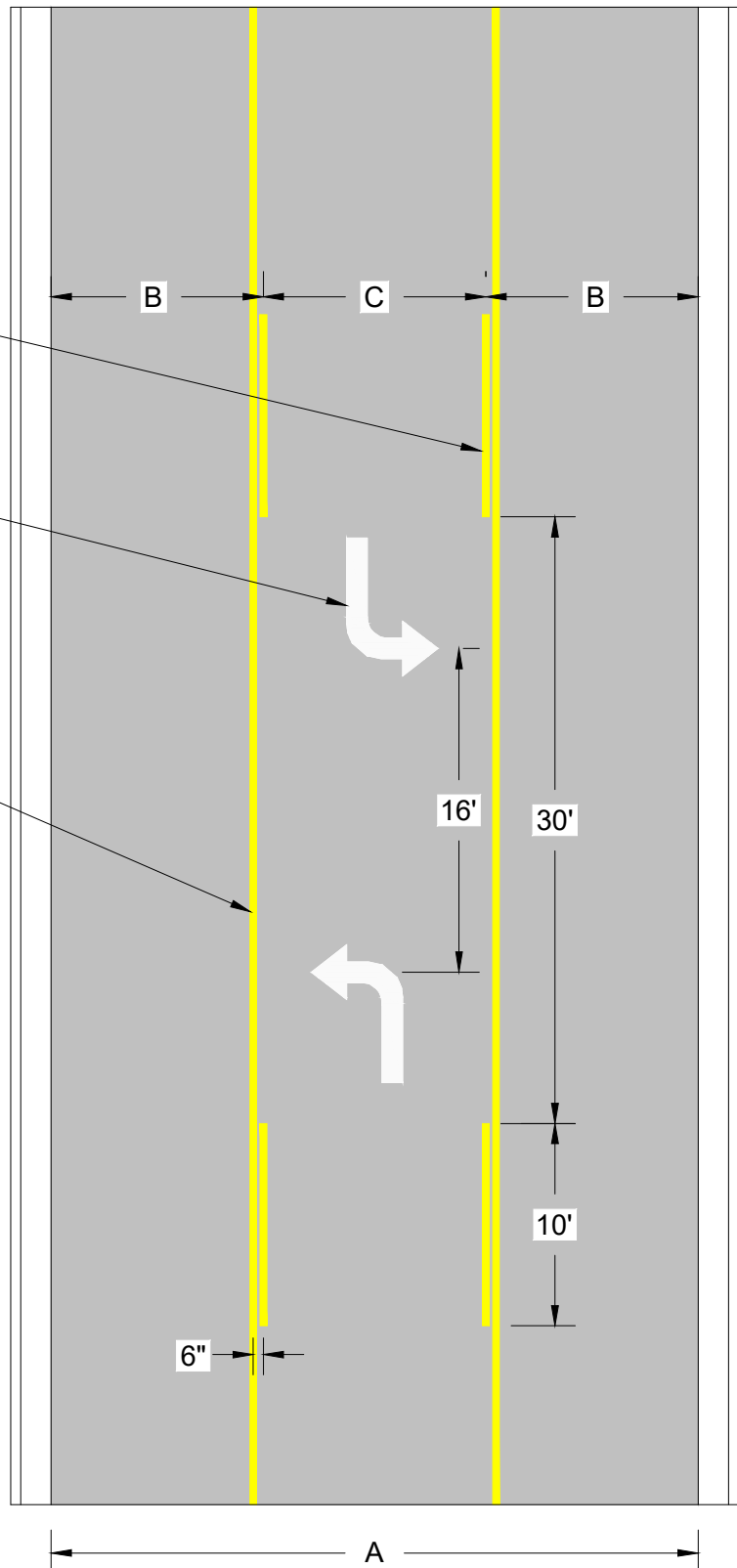
4" BROKEN YELLOW PAVEMENT MARKING  
(10' LINE WITH 30' GAP)

MUTCD FIGURE 3B-7 PLACED AT THE  
BEGINNING OF A TWO WAY LEFT TURN  
AND AT 1,000' SPACING THEREAFTER

4" SOLID YELLOW PAVEMENT MARKING

LANE WIDTHS (ft.)		
A	B	C
27	13.5	0
28	14	0
29	9.5	10
30	10	10
31	10	11
32	10.5	11
33	11	11
34	11	12
35	11	13
36	11	14

ALL PAVEMENT MARKING SHALL BE IN  
ACCORDANCE WITH THE MUTCD (CURRENT  
EDITION) AND THE ARKANSAS STATE HIGHWAY  
COMMISSION STANDARD DRAWING PM-1



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**TYPICAL TWLTL**

REVISED

DRAWN BY: NTR

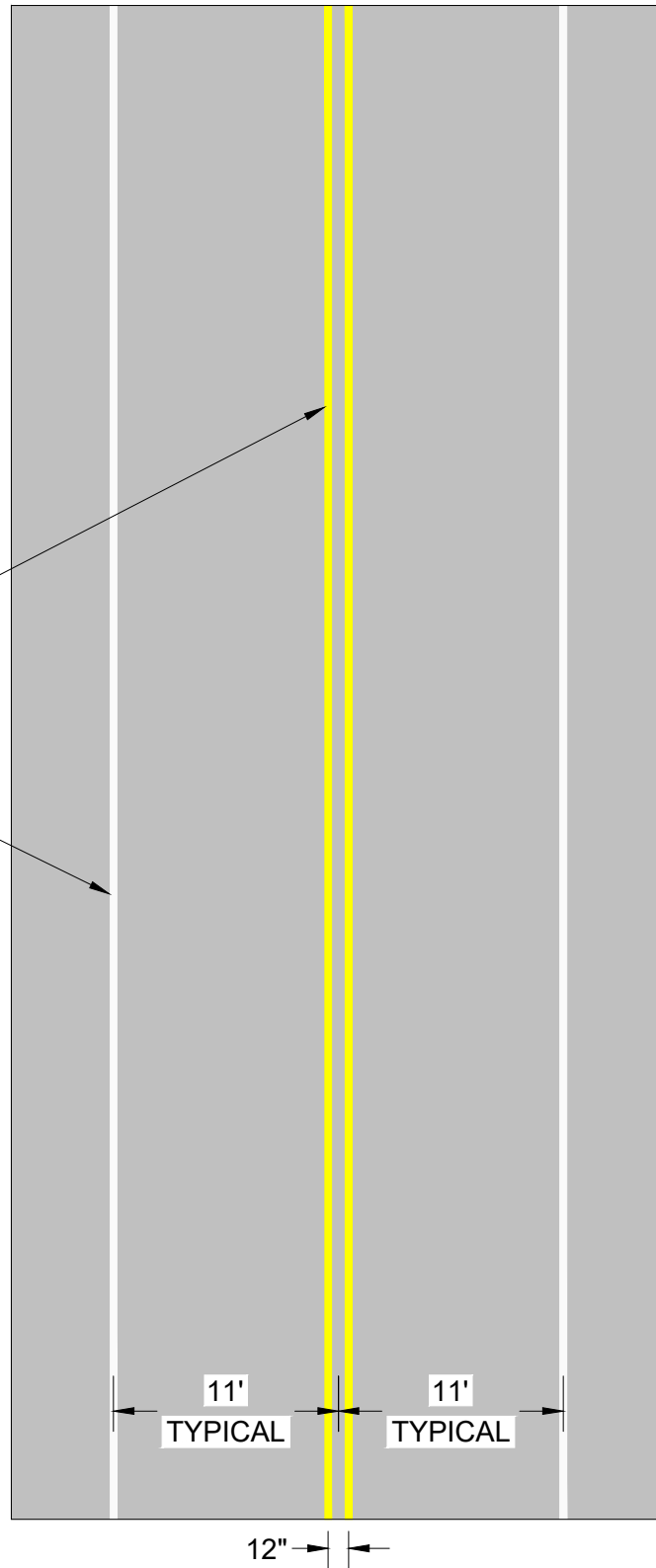
CHECKED BY: BFV

FILE NAME: PM-4 TWLTL STRIPING DETAIL.dwg

**PM-4**

4" SOLID DOUBLE YELLOW  
PAVEMENT MARKING

6" SOLID WHITE  
PAVEMENT MARKING



ALL PAVEMENT MARKING SHALL BE IN  
ACCORDANCE WITH THE MUTCD (CURRENT  
EDITION) AND THE ARKANSAS STATE HIGHWAY  
COMMISSION STANDARD DRAWING PM-1

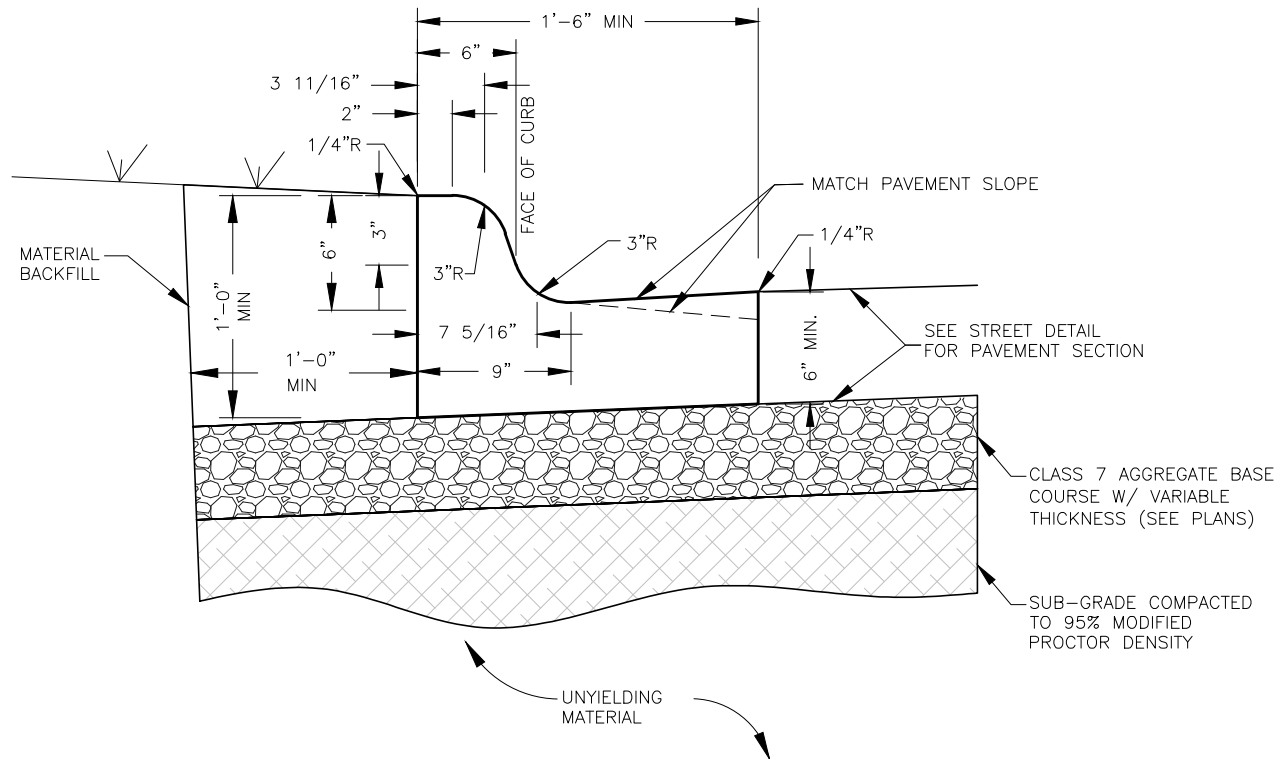


CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: <b>STREET DETAILS</b>		
DESCRIPTION: <b>TYPICAL OPEN DITCH ROAD STRIPING</b>		
DRAWN BY: NTR	CHECKED BY: BfV	FILE NAME: PM-5_OPEN DITCH STRIPING DETAIL.dwg

DATE: FEBRUARY 2017
REVISED
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SHEET:  
**PM-5**



#### CURB & GUTTER NOTES:

1. CONTRACTION JOINTS SHALL BE 1/8" TO 3/8" X 1 1/2" AT 15 FT. INTERVALS. ALL CONTRACTION JOINTS AND COLD JOINTS SHALL BE FILLED WITH JOINT SEALANT TO FINISHED GRADE.
2. EXPANSION MATERIAL SHALL BE REQUIRED AT ALL STATIONARY STRUCTURES AND ENDS OF CURB RETURNS. THE EXPANSION MATERIAL SHALL BE 1/2" ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO AASHTO M-213. EXPANSION JOINT MATERIAL SHALL BE LEFT 1/2" LOWER THAN GRADE OR TRIMMED 1/2" LOWER THAN GRADE.
3. EXPANSION JOINTS SHALL BE FILLED WITH JOINT SEALANT SHAPED TO THE CROSS SECTION OF THE CURB AND CONSTRUCTED AT RIGHT ANGLES WITH THE CURB LINE.
4. CONCRETE JOINT SEALANT SHALL COMPLY WITH SECTION 501.02 (h) OF THE AHTD STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
5. FINISH SHALL BE MEDIUM BROOM FINISH.
6. ALL WORK SHALL COMPLY WITH SECTION 634 OF THE AHTD STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**TYPE 'A' CURB & GUTTER**

REVISED

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**ST-1**

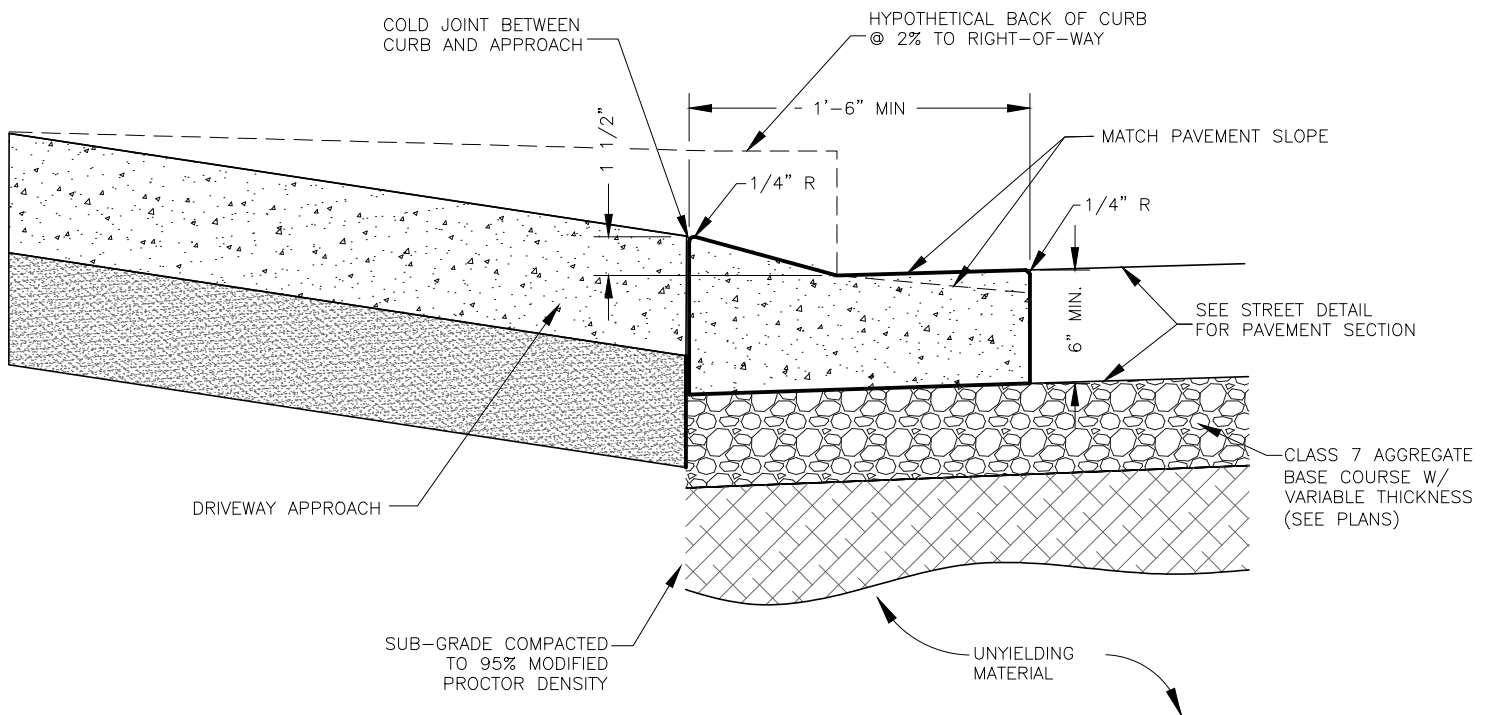
DRAWN BY: NTR

CHECKED BY: BFF

FILE NAME:

ST-1 CURB & GUTTER.dwg





#### CURB & GUTTER NOTES:

1. CONTRACTION JOINTS SHALL BE 1/8" TO 3/8" X 1 1/2" AT 15 FT. INTERVALS. ALL CONTRACTION JOINTS AND COLD JOINTS SHALL BE FILLED WITH JOINT SEALANT TO FINISHED GRADE.
2. EXPANSION MATERIAL SHALL BE REQUIRED AT ALL STATIONARY STRUCTURES AND ENDS OF CURB RETURNS. THE EXPANSION MATERIAL SHALL BE 1/2" ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO AASHTO M-213. EXPANSION JOINT MATERIAL SHALL BE LEFT 1/2" LOWER THAN GRADE OR TRIMMED 1/2" LOWER THAN GRADE.
3. EXPANSION JOINTS SHALL BE FILLED WITH JOINT SEALANT SHAPED TO THE CROSS SECTION OF THE CURB AND CONSTRUCTED AT RIGHT ANGLES WITH THE CURB LINE.
4. CONCRETE JOINT SEALANT SHALL COMPLY WITH SECTION 501.02 (h) OF THE AHTD STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
5. FINISH SHALL BE MEDIUM BROOM FINISH.
6. ALL WORK SHALL COMPLY WITH SECTION 634 OF THE AHTD STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DESCRIPTION:

**MODIFIED CURB & GUTTER**

DATE: FEBRUARY 2017

REVISED

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SHEET:

**ST-2**

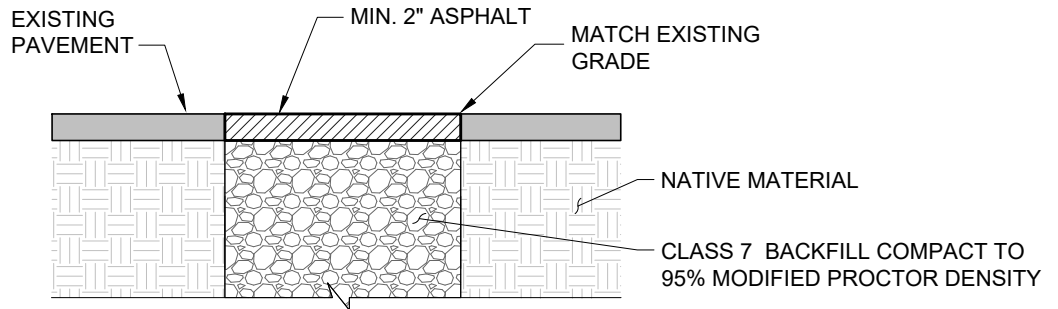
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CHECKED BY: BFW

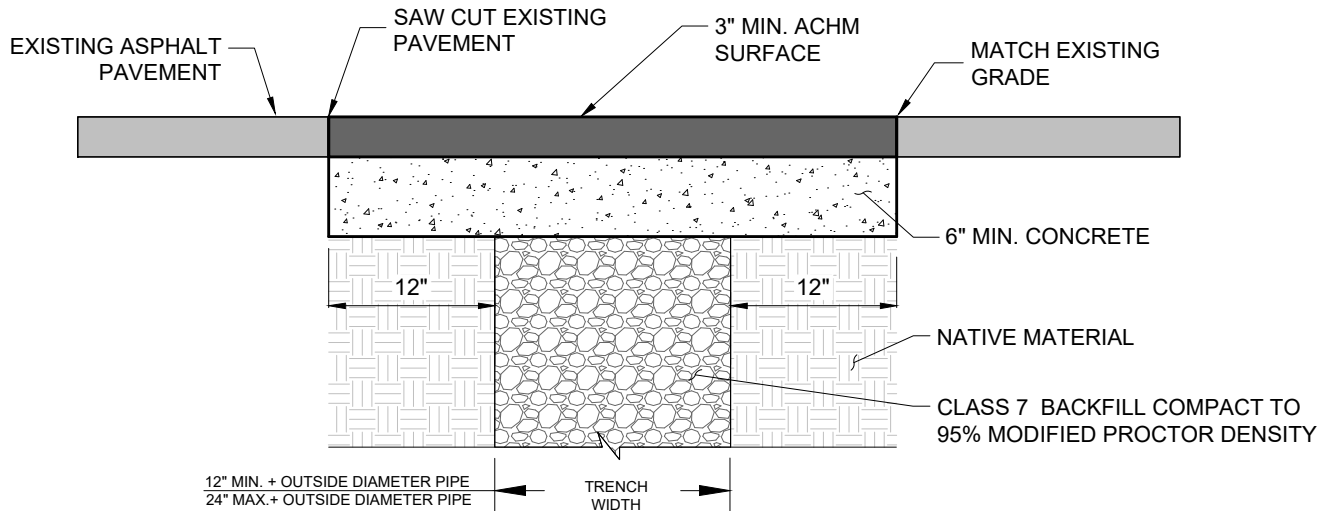
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NOTES:

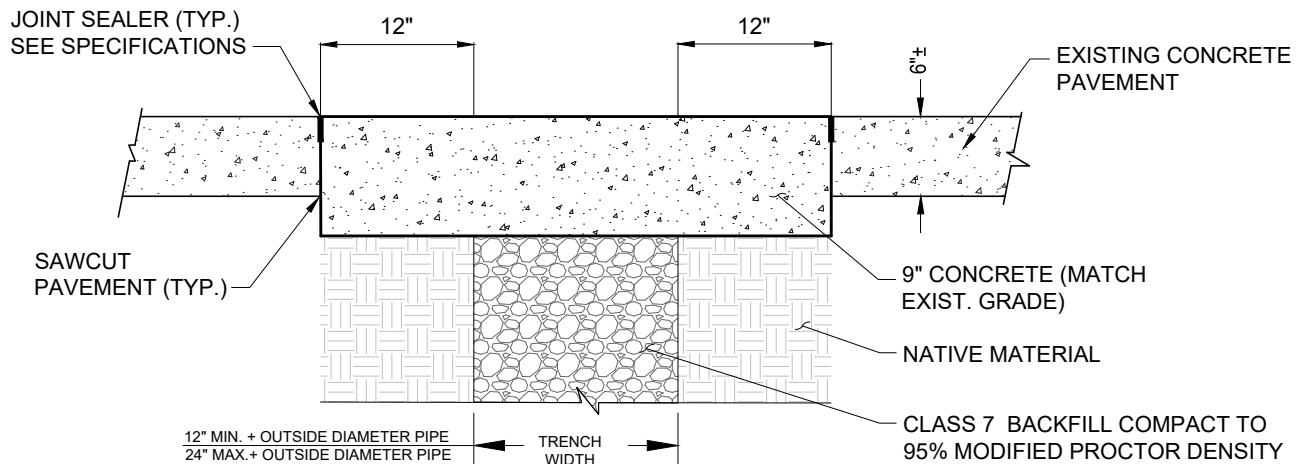
1. CONTRACTOR TO CONSTRUCT ALL TRENCH EXCAVATION IN ACCORDANCE WITH ALL OSHA REGULATIONS (29 CFR CH. XVII, SUBPART B).
2. ALL WORK MUST CONFORM TO SECTIONS 303 & 615 OF THE ARKANSAS HIGHWAY TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
3. ASPHALT FOR TEMPORARY REPAIRS MAY BE HOT MIX OR COLD MIX.



**TEMPORARY PAVEMENT REPAIR**



**ASPHALT PAVEMENT REPAIR**



**CONCRETE PAVEMENT REPAIR**



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DESCRIPTION:

**PAVEMENT REPAIR**

DRAWN BY: NTR

CHECKED BY: BRY

FILE NAME:

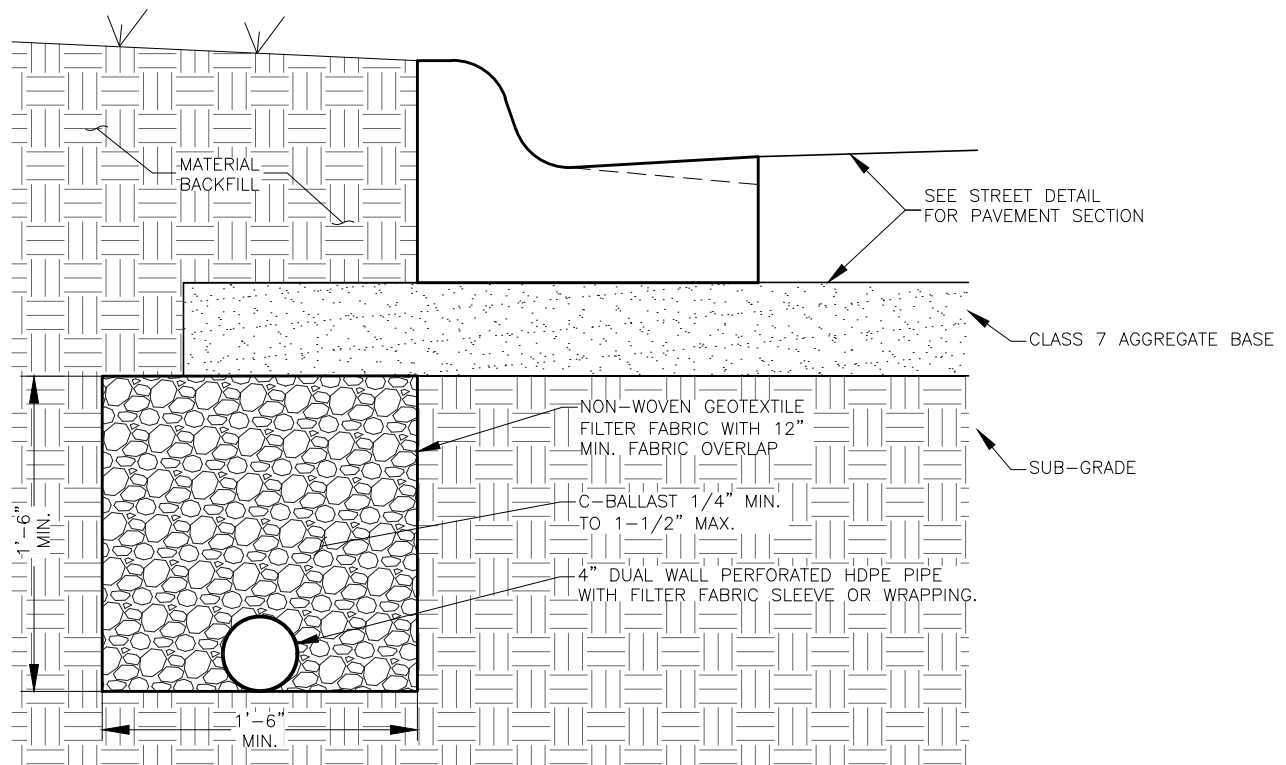
ST-3 PAVEMENT REPAIR.dwg

DATE: FEBRUARY 2017

REVISED

SHEET:

**ST-3**



**UNDERDRAIN NOTES:**

1. FINAL LOCATION OF UNDERDRAIN TO BE DETERMINED BY ENGINEER DURING CONSTRUCTION
2. RUNNING SLOPE TO MATCH ROADWAY PROFILE
3. DRAIN SHOULD TERMINATE AT DRAINAGE STRUCTURE



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**UNDERDRAIN**

REVISED

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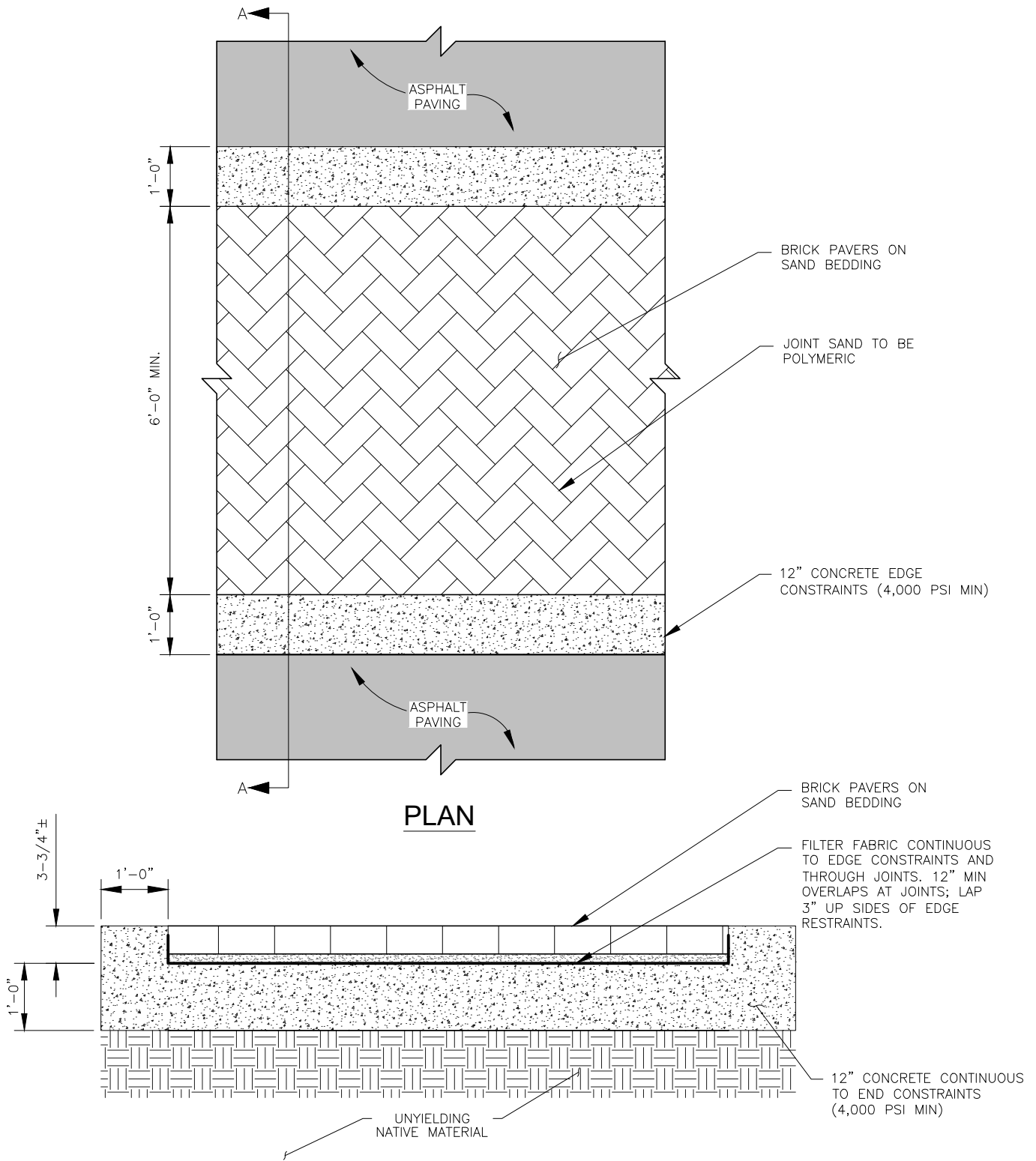
**ST-4**

DRAWN BY: NTR

CHECKED BY: BJV

FILE NAME:

ST-4 CURB UNDERDRAIN.dwg



**NOTES:**

1. PAVERS TO BE SURROUNDED WITH 1'-0" CONCRETE BAND FOR EDGE RESTRAINT.
2. JOINT SAND SHALL BE POLYMERIC.
3. PAVER SHALL BE PINE HALL ENGLISH EDGE HEAVY DUTY RED (4"x8"x2-3/4") OR APPROVED EQUAL.
4. SAND BEDDING FOR PAVERS TO BE MAX. 1" TO MIN. 1/2" THICK MASONRY SAND.

## BRICK PAVER CROSSWALKS



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DESCRIPTION:

**BRICK PAVER CROSSWALKS**

DRAWN BY: NTR

CHECKED BY: BFW

FILE NAME:

ST-5 BRICK CROSSWALK.dwg

DATE: FEBRUARY 2017

REVISED

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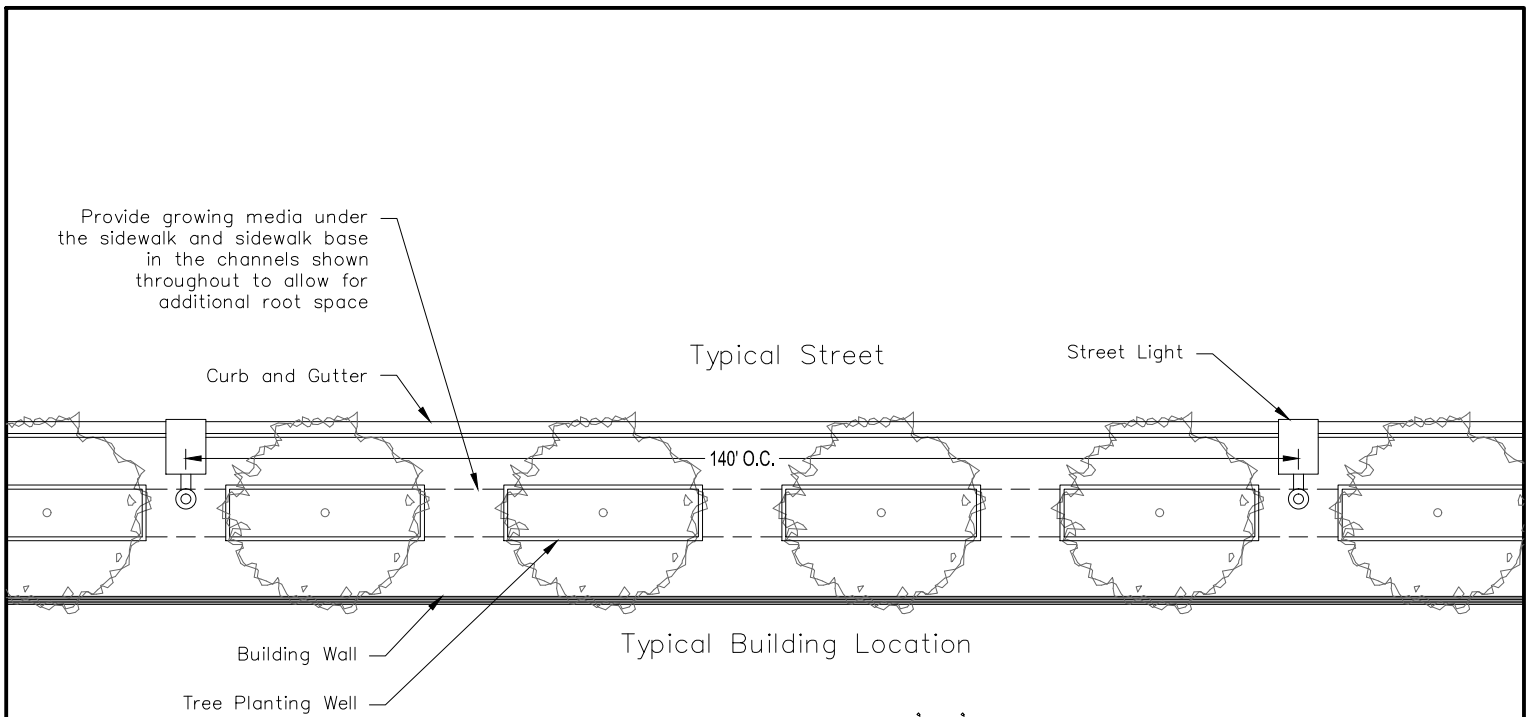
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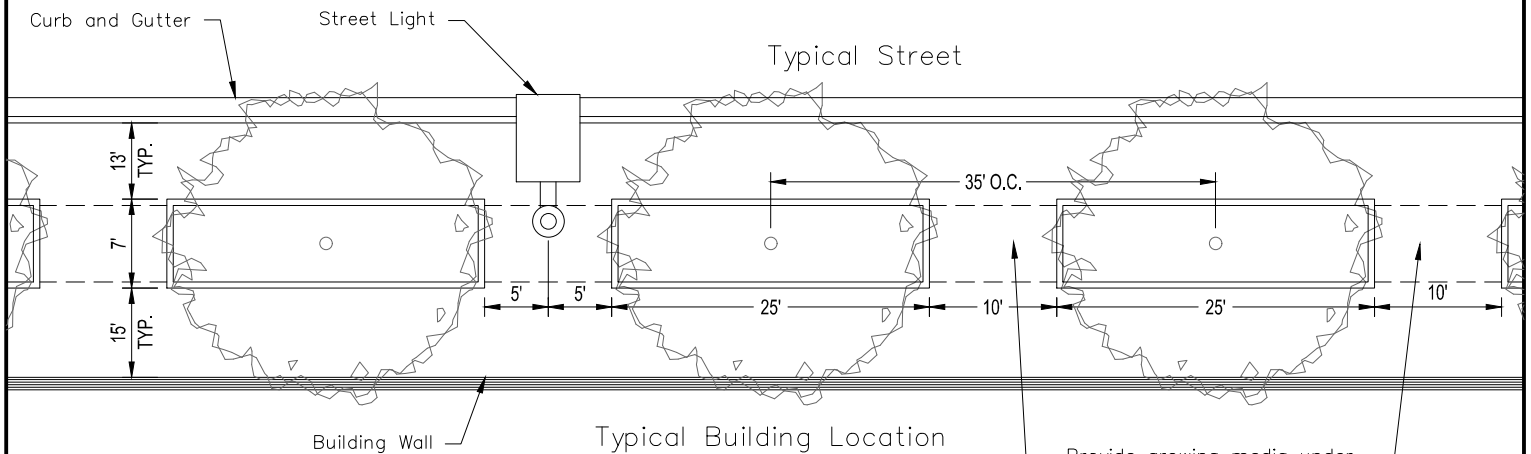
**ST-5**







PLAN VIEW 'A'



\*Dims to face of planter curb unless otherwise noted

PLAN VIEW 'B'

OAK STREET AND HARKRIDER STREET  
DOWNTOWN PLANTING WELL  
PLAN VIEW



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**STREET DETAILS**

DESCRIPTION:

**STREET TREE PLANTING PLAN**

DRAWN BY: NTR

CHECKED BY: BFW

FILE NAME: ST-7 STREET TREE PLANTING PLAN.dwg

DATE: FEBRUARY 2017

REVISED

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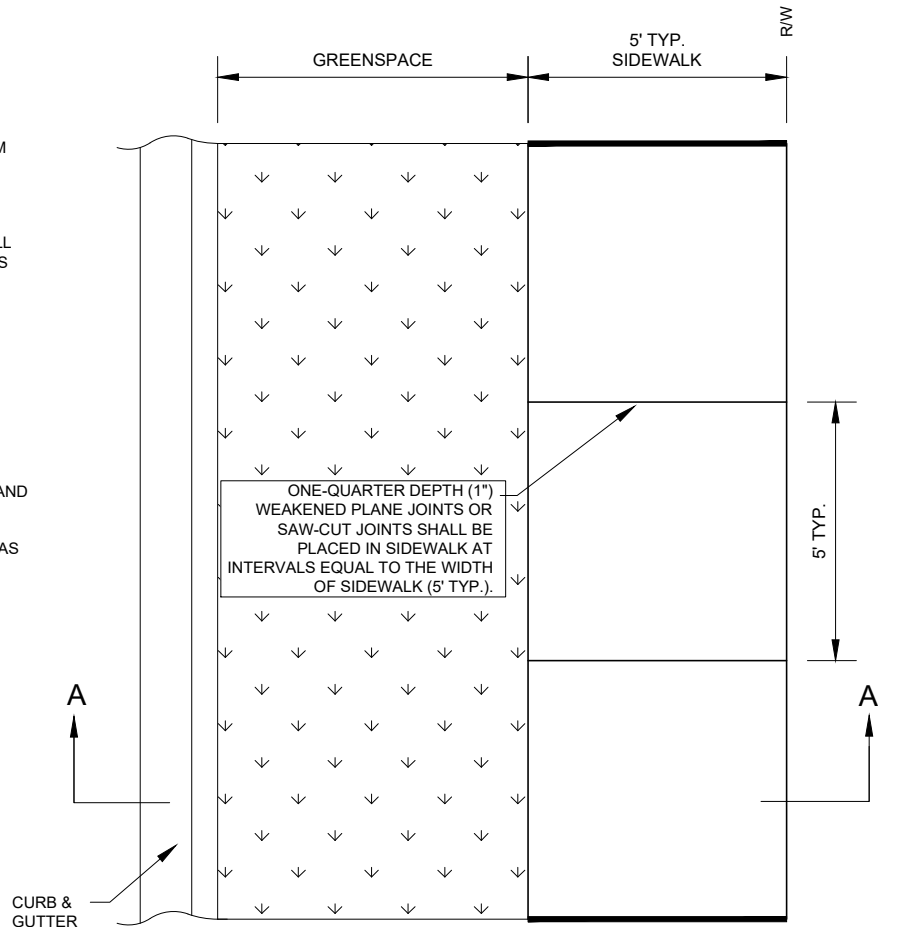
SHEET:

**ST-7**

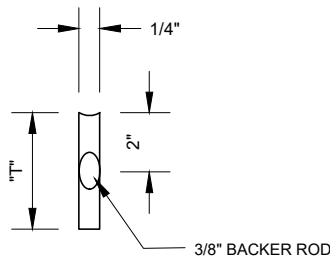
# **SIDEWALK CONSTRUCTION NOTES:**

1. EXPANSION MATERIAL SHALL BE REQUIRED AT 50 FT. MAXIMUM SPACING.
2. SIDEWALK SHALL HAVE TOOLED OR SAW-CUT TRANSVERSE JOINTS AT INTERVALS EQUAL TO THE WIDTH OF SIDEWALK (5' TYP.). THESE WEAKENED PLANE (CONTRACTION) JOINTS SHALL BE CONSTRUCTED TO 1/4 DEPTH OF THE SIDEWALK THICKNESS AND SHALL BE 1/8" TO 3/8" WIDE.
3. EXPANSION JOINT MATERIAL SHALL BE PREFORMED ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO AASHTO M-213. EXPANSION JOINT MATERIAL SHALL BE LEFT 1/2" LOWER THAN GRADE OR TRIMMED 1/2" LOWER, AND FILLED WITH SILICONE SEALER TO FINISHED GRADE.
4. ALL COLD JOINTS AND SAW-CUT JOINTS SHALL BE FILLED TO FINISHED GRADE WITH JOINT SEALANT.
5. ALL SIDEWALKS SHALL HAVE ONE-HALF INCH ROLLED EDGES AND A BROOMED FINISH.
6. ALL WORK SHALL COMPLY WITH SECTION 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS.

ALL SIDEWALKS REQUIRE INSPECTION BEFORE AND AFTER CONCRETE PLACEMENT. SIDEWALK WILL BE CHECKED FOR ADA REQUIREMENTS & WORKMANSHIP.

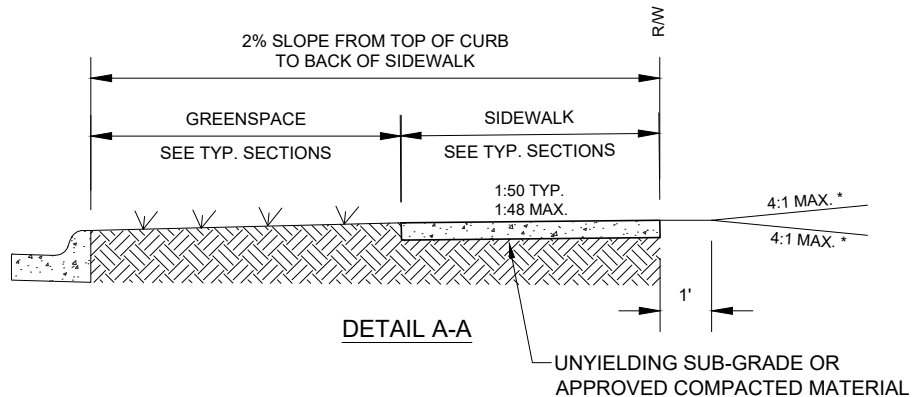


**PLAN**



"T"=1/4 SLAB THICKNESS + 1/2"

**JOINT SEALANT DETAIL**

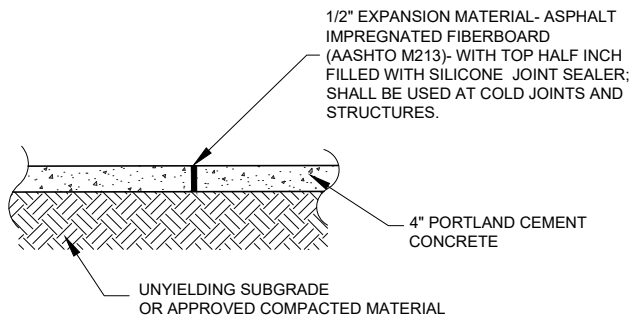


**DETAIL A-A**

UNYIELDING SUB-GRADE OR APPROVED COMPACTED MATERIAL

\* SEE "DRIVEWAY DETAILS" FOR SIDEWALK SECTION THROUGH DRIVEWAY

EXCAVATION PERMIT REQUIRED TO EXCEED 4:1 MAX SLOPE



**ELEVATION**



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**SIDEWALK DETAILS**

DESCRIPTION:

**SIDEWALK WITH GREENSPACE**

DRAWN BY: NTR

CHECKED BY: BJV

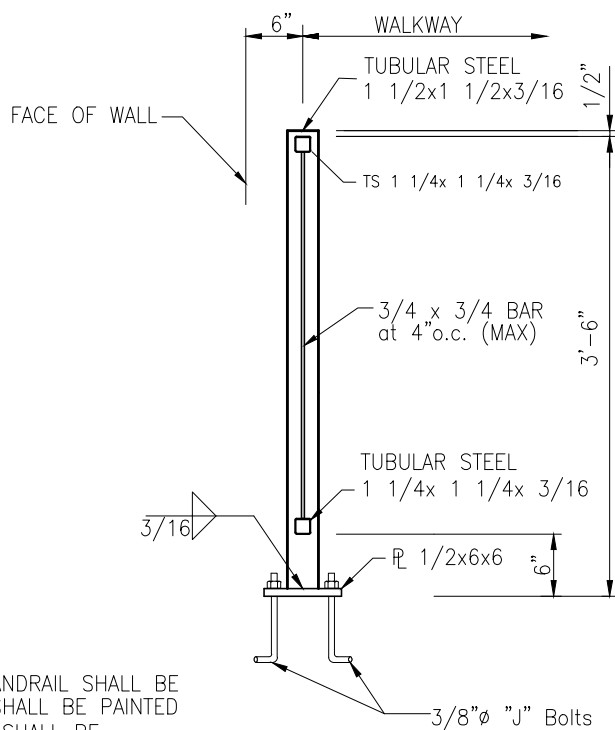
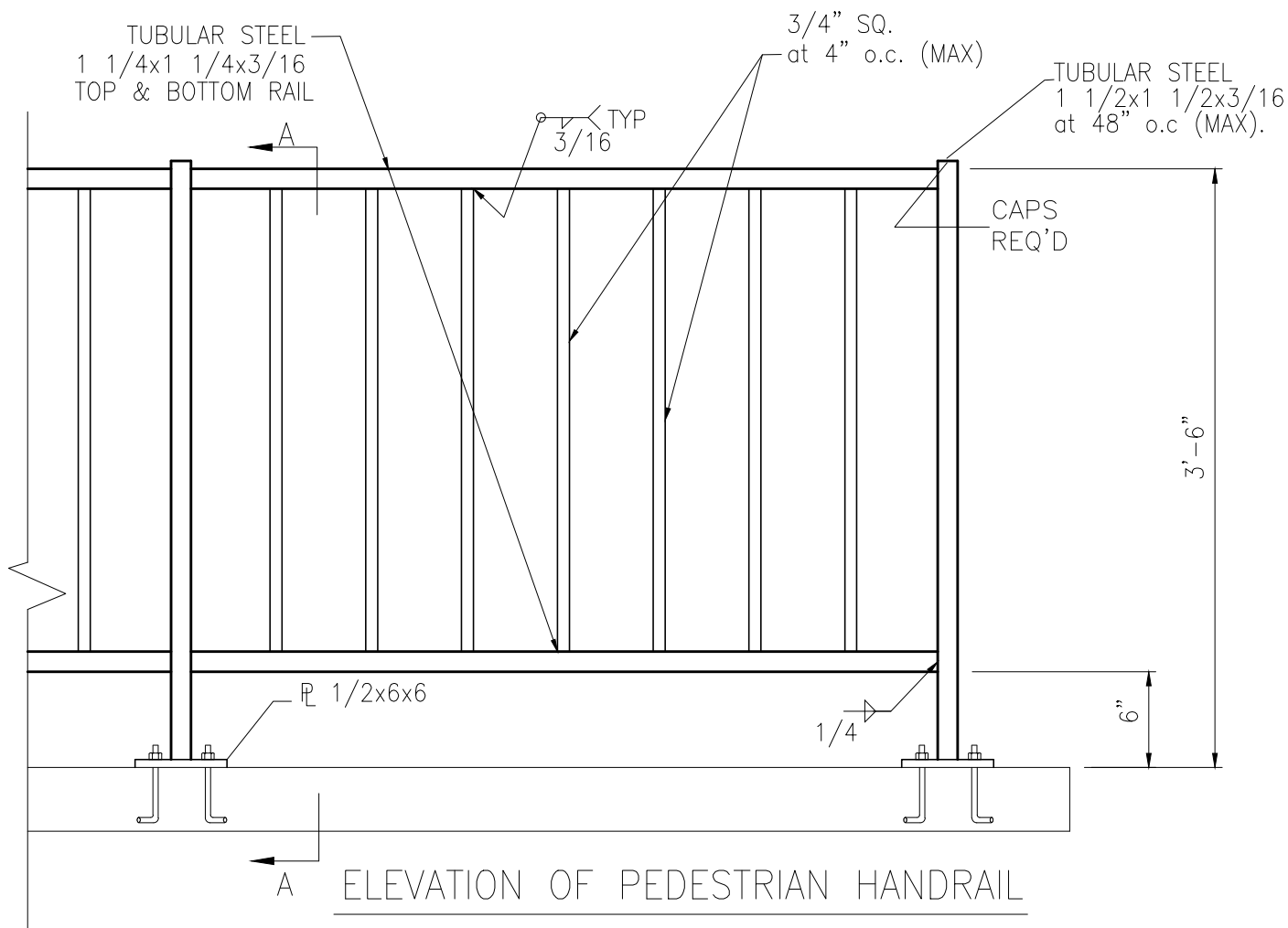
FILE NAME: SW-1 SIDEWALK WITH GREENSPACE.dwg

DATE: FEBRUARY 2017

REVISED

SHEET:

**SW-1**



MATERIAL FOR PEDESTRIAN HANDRAIL SHALL BE AASHTO M270, GR. 36 AND SHALL BE PAINTED (BLACK). NUTS & WASHERS SHALL BE STAINLESS STEEL AS NOTED ON DETAILS.

A-A SECTION  
NO SCALE



CITY OF CONWAY  
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100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: **SIDEWALK DETAILS**

DATE: MAY 2017

SHEET:

DESCRIPTION:

HANDRAIL

DRAWN BY: NTR

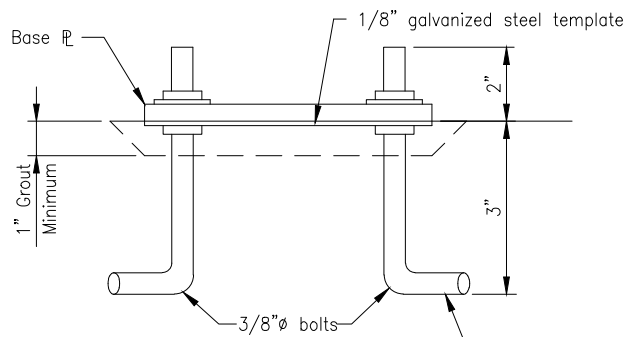
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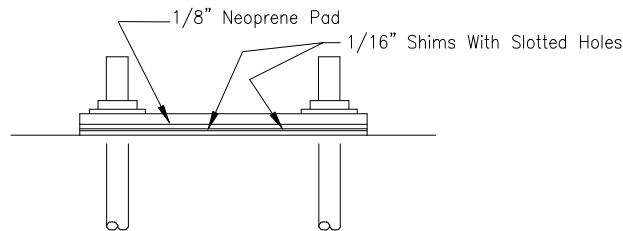
SW-2 HANDRAIL.dwg

REVISED

**SW-2**

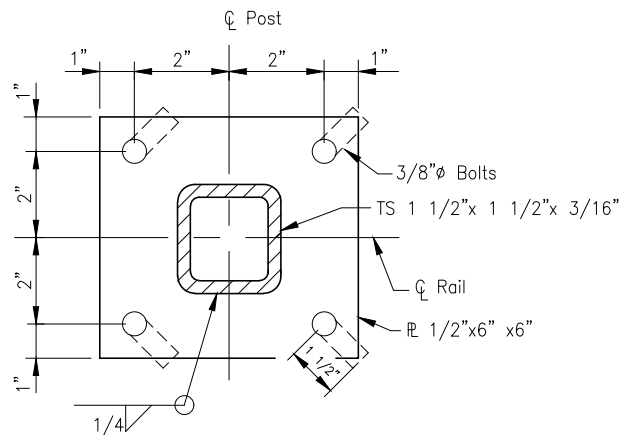


STAINLESS STEEL BOLT ASTM A193, GRADE B8 OR  
B8A STAINLESS STEEL NUT AASHTO M292, GRADE 8  
STAINLESS STEEL WASHER ASTM A276, GRADE 302



CONTRACTOR MAY PLACE THE 1/8" GALVANIZED STEEL TEMPLATE ON THE FINISHED SIDEWALK SURFACE AND PROVIDE SHIM PLATES AND NEOPRENE PADS FOR LEVELING, IN LIEU OF PLACING THE TEMPLATE ON NUTS, LEVELING AND FINISHING WITH GROUT.

NOTE: ALL POSTS & BALUSTERS SHALL BE VERTICAL.



## HANDRAIL ANCHOR BOLT ASSEMBLIES



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**SIDEWALK DETAILS**

DATE: MAY 2017

SHEET:

DESCRIPTION:

**HANDRAIL ANCHOR**

REVISED

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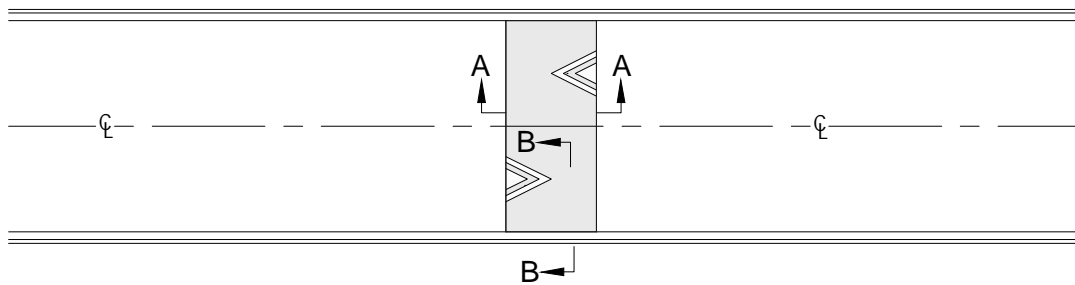
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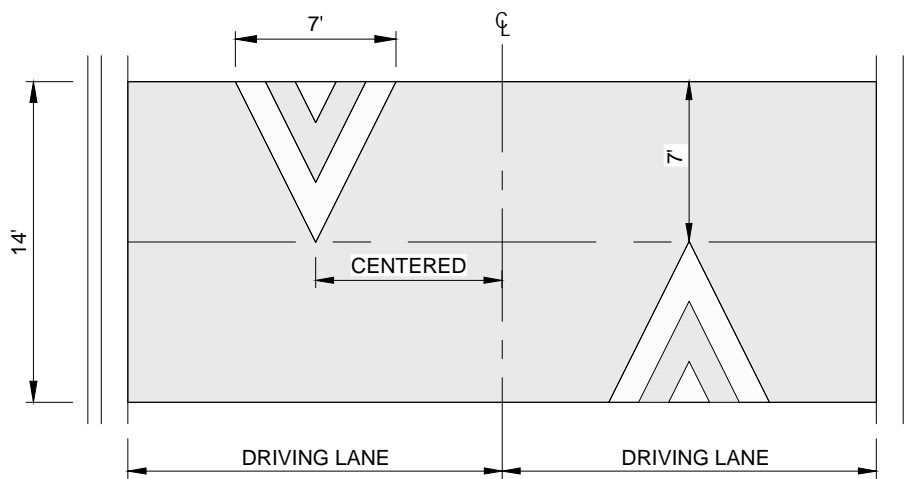
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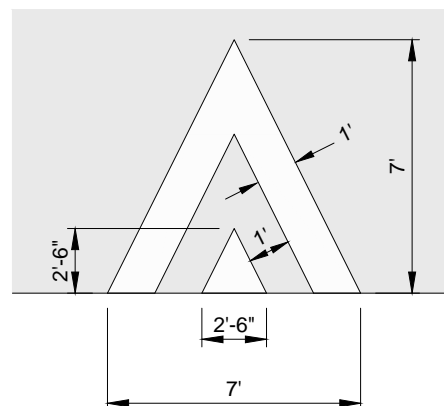


### SPEED TABLE MARKING

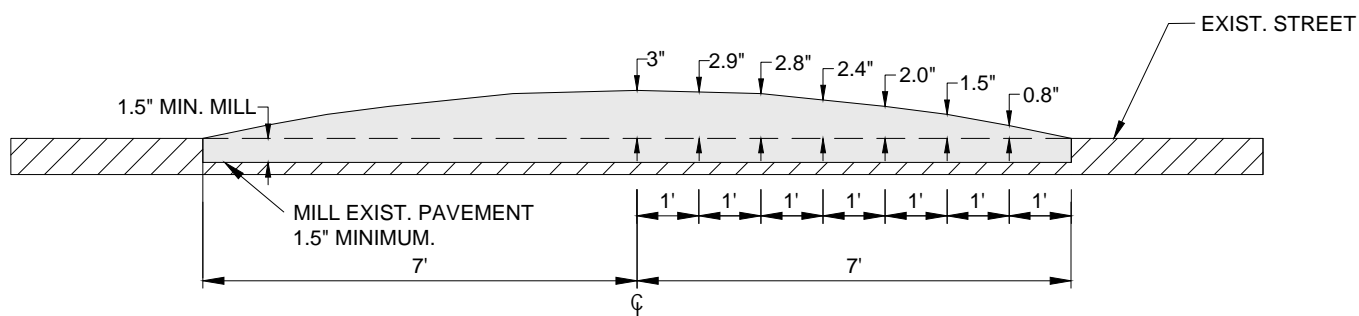
Not to Scale



### MARKING DETAIL



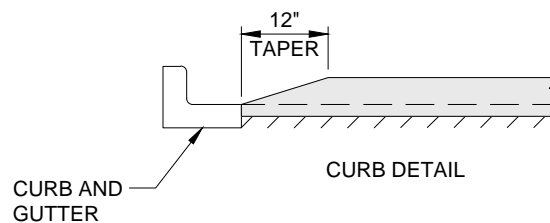
### CHEVRON DETAIL



### SECTION A-A

### NOTES:

1. MILL EXIST. PAVEMENT TO KEY IN SPEED TABLE. SEE SECTION A-A.
2. SPEED TABLE CHEVRON MARKING SHALL BE WHITE THERMOPLASTIC, HEAT FUSED PREFORMED, 125 MIL., OR EQUAL APPROVED BY THE ENGINEER.
3. SPEED TABLES SHALL BE CONSTRUCTED OF ACHM SURFACE MIX (SECTION 407 OF THE ARDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.)



## SPEED HUMP

N.T.S.



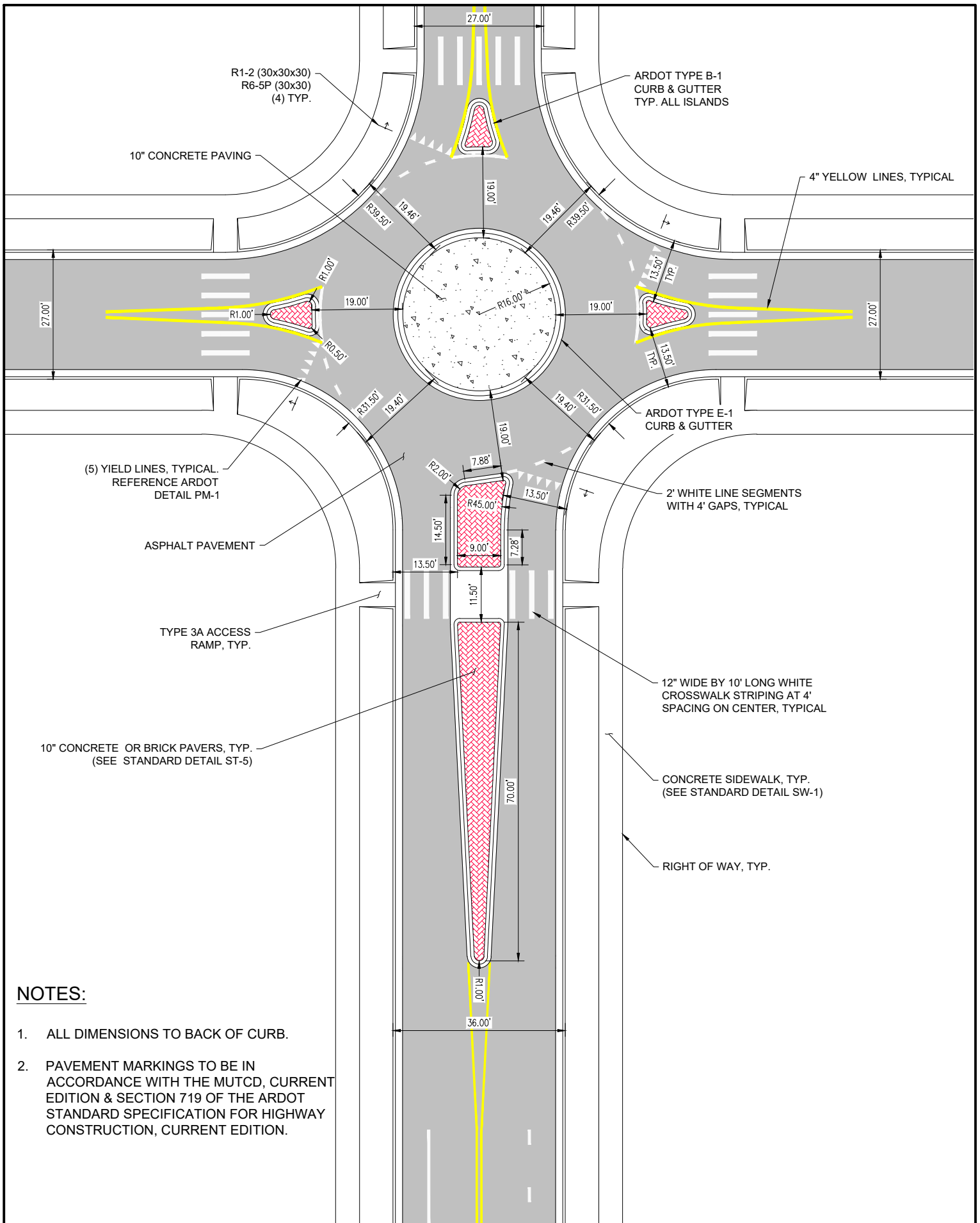
CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b>TRAFFIC CALMING DETAILS</b>	
DESCRIPTION:	<b>SPEED HUMP DETAIL</b>	
DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: TC-1 SPEED HUMP DETAIL.dwg

DATE: FEBRUARY 2017	SHEET:
REVISED	
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**TC-1**

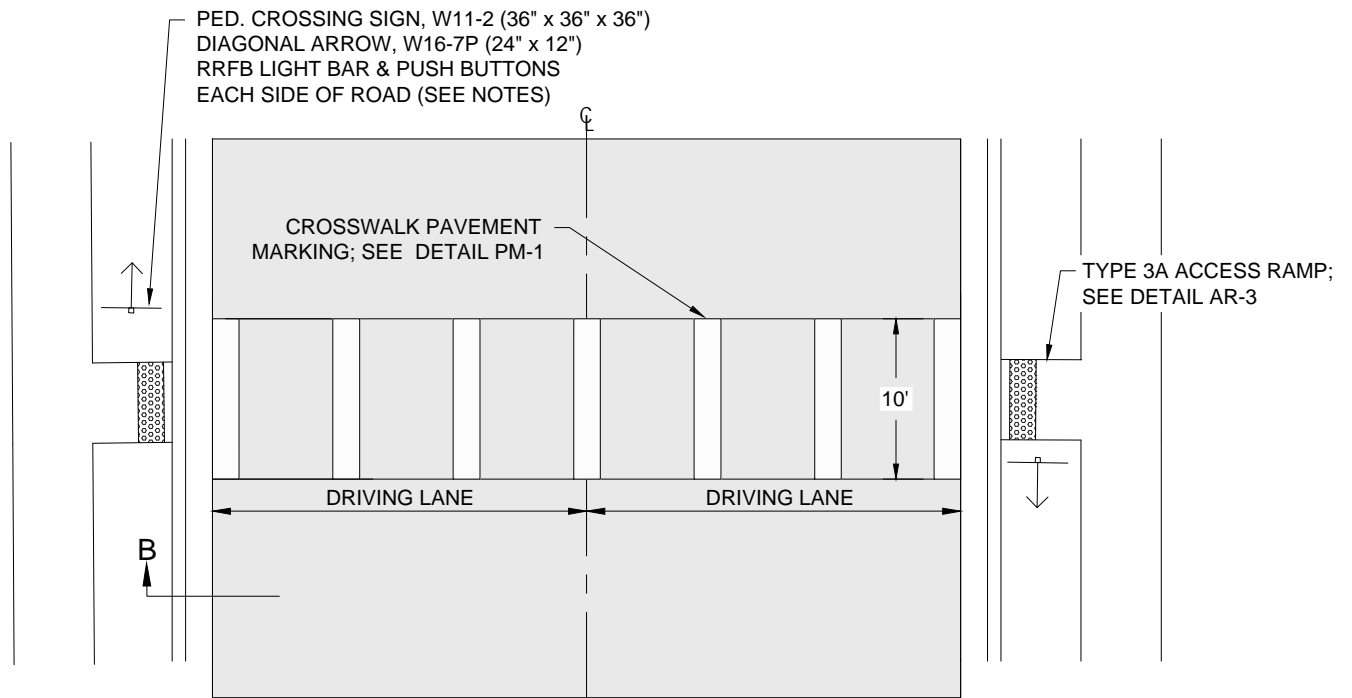
**TC-2**



**NOTES:**

1. ALL DIMENSIONS TO BACK OF CURB.
2. PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE MUTCD, CURRENT EDITION & SECTION 719 OF THE ARDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.

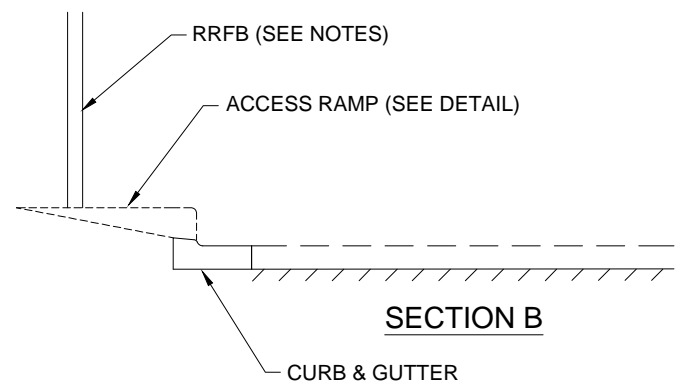




**CROSSWALK PLAN**

**NOTES:**

1. RRFB REQUIRED AT MID-BLOCK LOCATIONS.
2. PAINTED CROSSWALK PREFERRED OVER RAISED CROSSWALK FOR COLLECTOR AND ABOVE STREET CLASSIFICATIONS.
3. SEE STANDARD DETAILS TC-1 & PM-1 FOR ALL PAVEMENT MARKING SPECIFICATIONS.
4. ALL SIGN & PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE MUTCD, 2009 EDITION.
5. ALL SIGN POSTS SHALL BE 2" SQUARE GALVANIZED METAL.
6. RRFB INSTALLATIONS SHALL BE CARMANNAH R920-F. SOLAR ENGINE TO BE RAW ALUMINUM FINISH W/ 2"-2.5" PERFORATED SQUARE POLE MOUNT. BI-DIRECTIONAL LIGHT BAR CONFIGURATION AND AUDIBLE PUSH BUTTON STATION.



**SECTION B**

\*REQUIRED AT ALL CROSSWALK LOCATIONS EXCEPT AS NOTED ON TC-5\*

**PAINTED CROSSWALK**

N.T.S.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b>TRAFFIC CALMING DETAILS</b>	
DESCRIPTION:	<b>PAINTED CROSSWALK DETAIL</b>	
DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: TC-4 MID-BLOCK CROSSING DETAIL.dwg

DATE: FEBRUARY 2017
REVISED
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SHEET:

**TC-4**

CHEVRON PAVEMENT MARKING; SEE DETAIL TC-1

CROSSWALK PAVEMENT MARKING; SEE DETAIL PM-1

TYPE 3A ACCESS RAMP; SEE DETAIL AR-3

EXIST. STREET

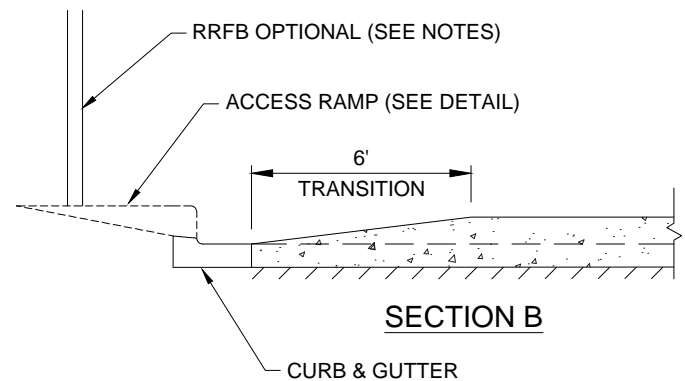
CONCRETE RAISED CROSSWALK

PED. CROSSING SIGN, W11-2 (36" x 36" x 36")  
DIAGONAL ARROW, W16-7P (24" x 12")  
RRFB LIGHT BAR & PUSH BUTTONS  
EACH SIDE OF ROAD, OPTIONAL (SEE NOTES)

## NOTES:

1. SAW CUT EXIST. PAVEMENT TO INSTALL RAISED CROSSWALK. SEE SECTION A-A.
2. SEE STANDARD DETAILS TC-1 & PM-1 FOR ALL PAVEMENT MARKING SPECIFICATIONS.
3. RAISED CROSSWALKS SHALL BE CONSTRUCTED OF MIN. 3500 PSI CONCRETE (SECTION 632 OR 634 OF THE ARDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.)
4. ALL SIGN & PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE MUTCD, 2009 EDITION.
5. RAISED CROSSWALK PREFERRED OVER PAINTED CROSSWALK AT MID-BLOCK LOCATIONS.
6. ALL SIGN POSTS SHALL BE 2" SQUARE GALVANIZED METAL.
7. RRFB INSTALLATIONS SHALL BE CARMANNAH R920-F. SOLAR ENGINE TO BE RAW ALUMINUM FINISH W/ 2"-2.5" PERFORATED SQUARE POLE MOUNT. BI-DIRECTIONAL LIGHT BAR CONFIGURATION AND AUDIBLE PUSH BUTTON STATION.

## SECTION A-A



# RAISED CROSSWALK

N.T.S.

\*REQUIRED AT ALL MID-BLOCK CROSSWALK LOCATIONS ON LOCAL STREETS IN RESIDENTIAL ZONES\*

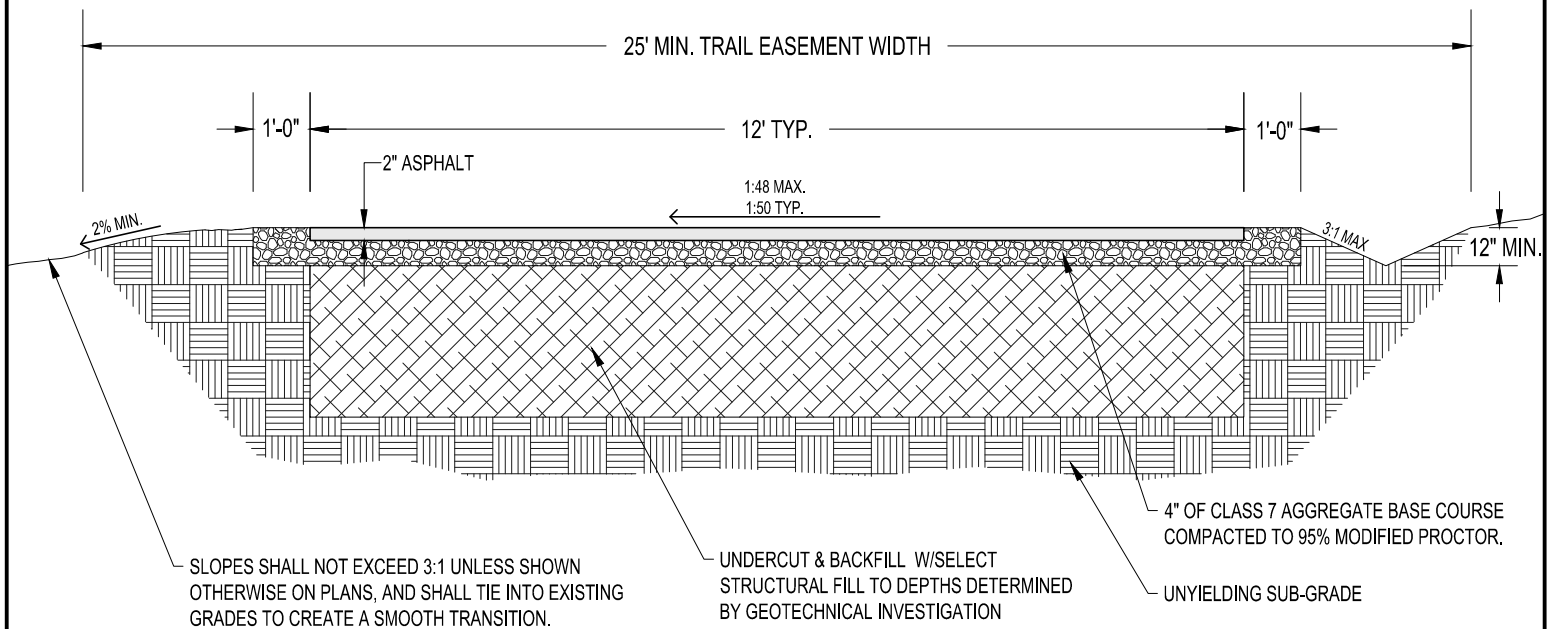


CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b>TRAFFIC CALMING DETAILS</b>
DESCRIPTION:	<b>RAISED CROSSWALK DETAIL</b>
DRAWN BY: NTR	CHECKED BY: BFV
FILE NAME: TC-5 RAISED CROSSWALK DETAIL.dwg	

DATE: FEBRUARY 2017	SHEET:
REVISED	

**TC-5**



## ASPHALT TRAIL SECTION

N.T.S.

### ASPHALT TRAIL CONSTRUCTION NOTES:

1. ALL WORK SHALL COMPLY WITH SECTIONS 303 & 407 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS.
2. ASPHALT FOR TRAILS SHALL BE MINIMUM 2" THICK OF 70-22 SURFACE COURSE MIX.
3. TRAILS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ACCEPTANCE.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**TRAIL DETAILS**

DATE: FEBRUARY 2017

SHEET:

DESCRIPTION:

**ASPHALT TRAIL DETAIL**

REVISED

DRAWN BY: NTR

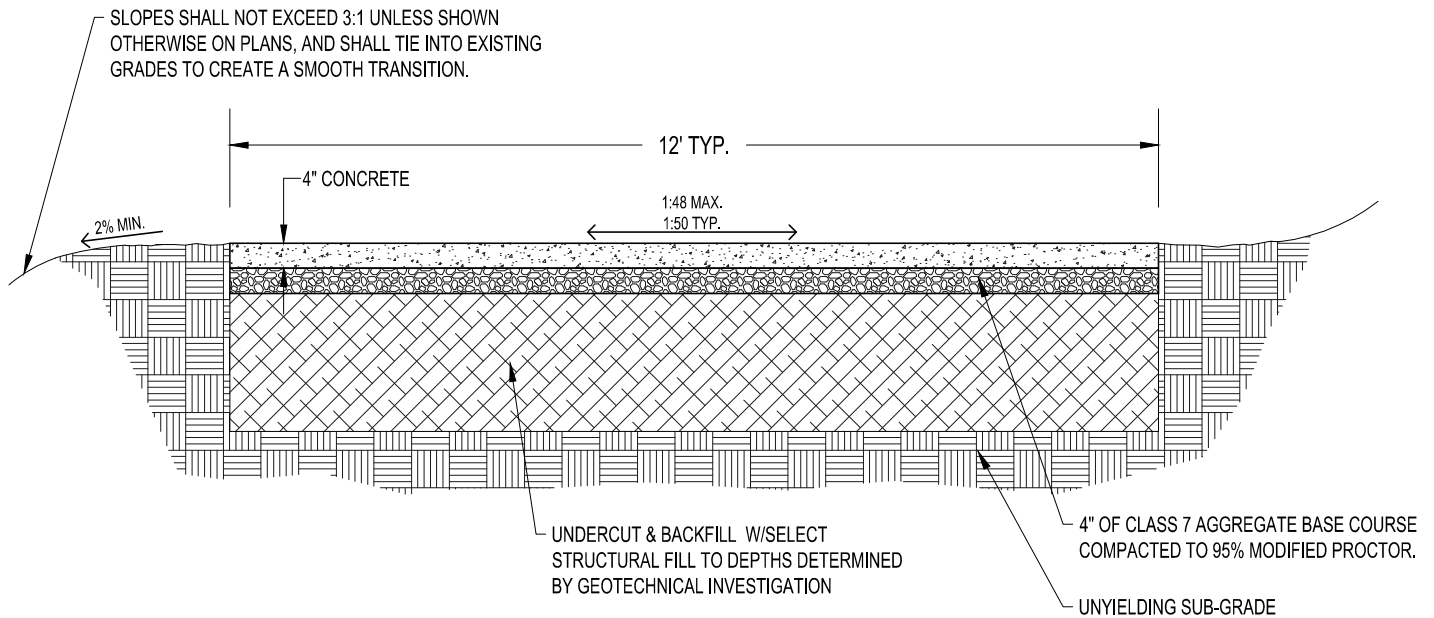
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FILE NAME:

TR-1 ASPHALT TRAIL.dwg

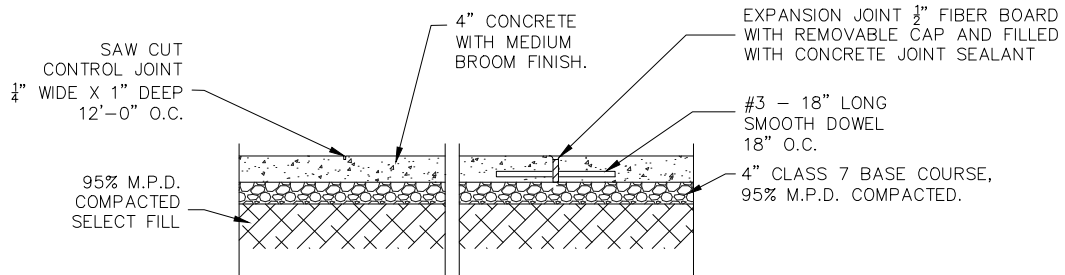
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**TR-1**



## CONCRETE SIDE PATH SECTION

N.T.S.



## SECTION THROUGH JOINTS

### CONCRETE SIDE PATH CONSTRUCTION NOTES:

- ALL WORK SHALL COMPLY WITH SECTIONS 303 & 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS.
- FULL DEPTH EXPANSION JOINTS WITH DOWELS ARE REQUIRED AT THE END OF EACH DAYS POUR AND ADJACENT TO ALL EXISTING CONCRETE.
- ONE-QUARTER DEPTH (ONE INCH) SAW-CUT JOINTS SHALL BE PLACED IN CONCRETE AT REGULAR INTERVALS MATCHING THE PATH WIDTH, BUT NOT TO EXCEED 12 FEET APART. JOINTS SHALL BE PLACED 24 HOURS AFTER CONCRETE HAS BEEN FINISHED UNLESS APPROVED BY THE CITY ENGINEER.
- ALL EXPANSION JOINTS AND SAW JOINTS SHALL BE SEALED WITH JOINT SEALANT MEETING THE REQUIREMENTS SET FORTH IN THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS.
- CONSTRUCT 1:48 MAXIMUM (1:50 TYP.) CROSS SLOPE ON PATH IN SAME DIRECTION AS EXISTING GRADE UNLESS OTHERWISE DESIGNATED ON THE PLANS. LONGITUDINAL GRADE SHALL NOT EXCEED 5%.
- SIDE PATHS SHALL HAVE A ONE-HALF (1/2) INCH ROLLED EDGE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL CONCRETE WORK DURING CURING. ANY CONCRETE THAT IS DEFACED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- SIDE PATHS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ACCEPTANCE.



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**TRAIL DETAILS**

DATE: MAY 2017

SHEET:

DESCRIPTION:

**CONCRETE SIDE PATH DETAIL**

REVISED

**TR-2**

DRAWN BY: NTR

CHECKED BY: BFV

FILE NAME:

TR-2 CONCRETE SIDE PATH.dwg



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: <b>TYPICAL SECTIONS</b>		
DESCRIPTION: <b>LOCAL IN A RESIDENTIAL ZONE</b>		
DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: 1 LOCAL RESIDENTIAL STREET SECTION.dwg

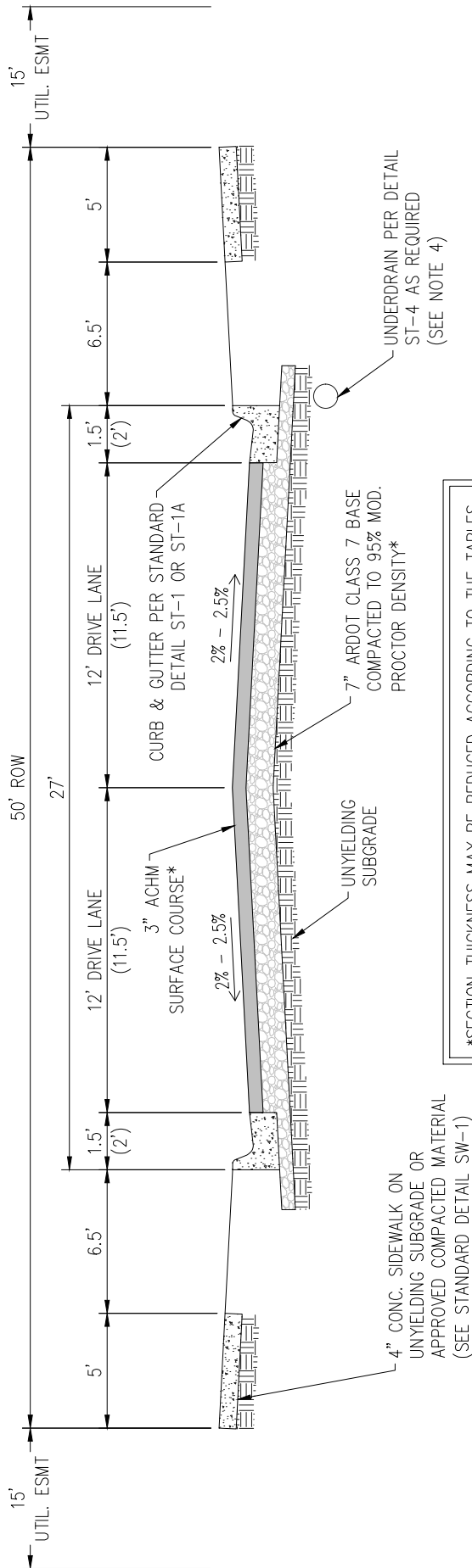
DATE: FEBRUARY 2017
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SHEET:  
**TS-1**

DESIGN STANDARDS	
DESIGN SPEED	25 MPH
MAX. GRADE	15%
MIN. SIGHT DISTANCE	150'
MIN. HORIZ. CENTERLINE CURVE RADIUS	100'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

DESIGN NOTES:

1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
2. DESIGN CLASSIFICATION = LOCAL URBAN
3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.



\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

TYPICAL SECTION  
LOCAL IN A RESIDENTIAL ZONE  
(EXCLUDING MF-1, MF-2 & MF-3)



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

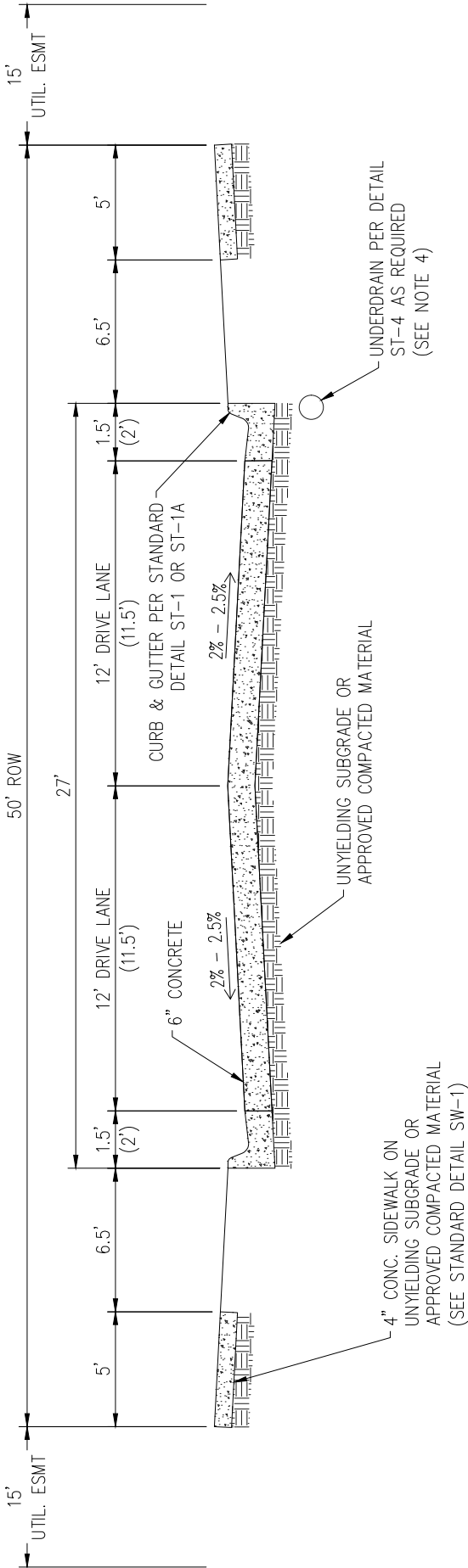
TITLE: <b>TYPICAL SECTIONS</b>	
DESCRIPTION: <b>LOCAL IN A RESIDENTIAL ZONE (CONCRETE)</b>	
DRAWN BY: NTR	CHECKED BY: BJV
FILE NAME: C:\LOCAL RESIDENTIAL (CONCRETE) STREET SECTION.dwg	

DATE: FEBRUARY 2017
REVISED
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SHEET:  
**TS-2**

DESIGN STANDARDS	
DESIGN SPEED	25 MPH
MAX. GRADE	15%
MIN. SIGHT DISTANCE	150'
MIN. HORIZ. CENTERLINE CURVE RADIUS	100'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

- DESIGN NOTES:
1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
  2. DESIGN CLASSIFICATION = LOCAL URBAN
  3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
  4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER



TYPICAL SECTION  
LOCAL IN A RESIDENTIAL ZONE (CONCRETE)  
(EXCLUDING MF-1, MF-2 & MF-3)



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

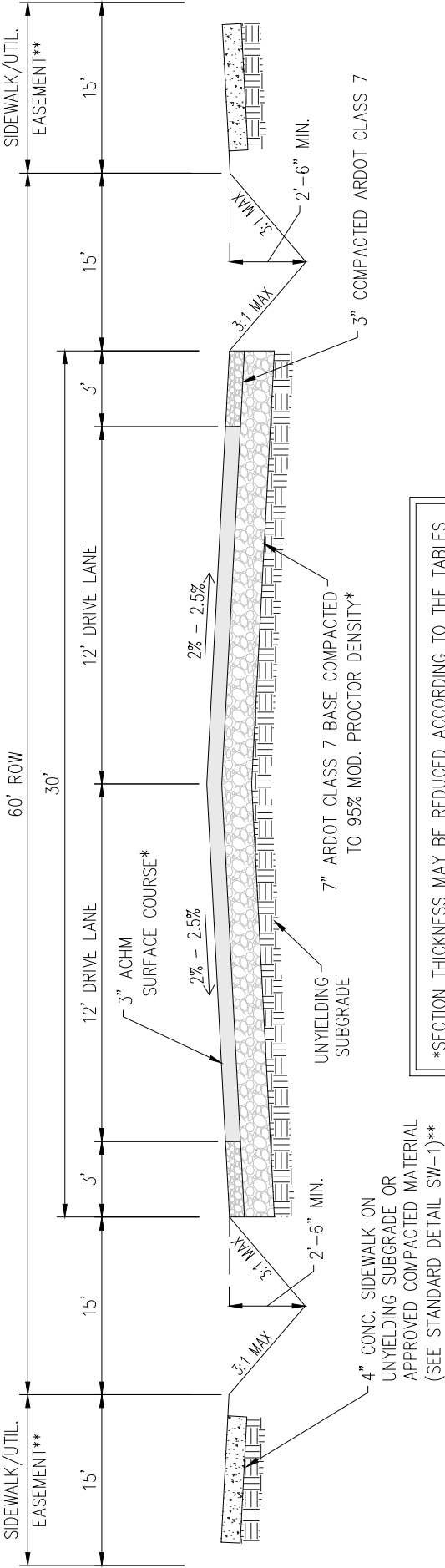
TITLE: <b>TYPICAL SECTIONS</b>		
DESCRIPTION: <b>LOCAL IN A RURAL RESIDENTIAL ZONE</b>		
DRAWN BY: NTR	CHECKED BY: BJV	FILE NAME: LOCAL RURAL RESIDENTIAL STREET SECTION.dwg

DATE: FEBRUARY 2017
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SHEET:  
**TS-3**

DESIGN STANDARDS	
DESIGN SPEED	25 MPH
MAX. GRADE	15%
MIN. SIGHT DISTANCE	150'
MIN. HORIZ. CENTERLINE CURVE RADIUS	100'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

- DESIGN NOTES:
1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
  2. DESIGN CLASSIFICATION = LOCAL RURAL
  3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
  4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.
  5. MINIMUM 150' LOT WIDTH AT BUILDING LINE
  6. ONE DWELLING UNIT PER LOT



\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

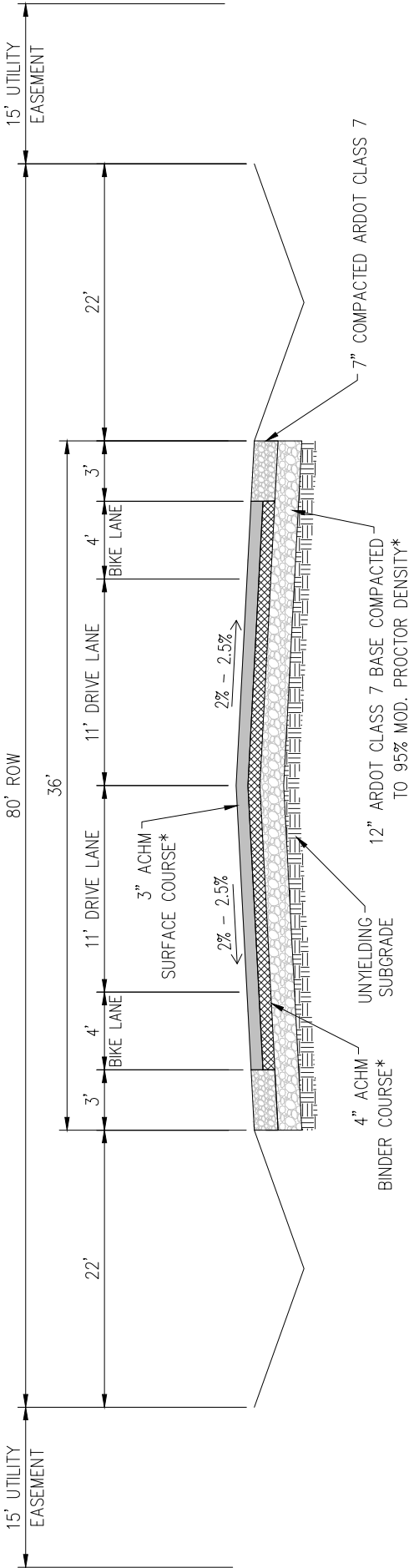
\*\*SIDEWALK CONSTRUCTION AND/OR IN-LIEU FEE AND THE ASSOCIATED EASEMENT TO BE REQUIRED AS SHOWN ON THE PLAT OR PER SUBDIVISION ORDINANCE

TYPICAL SECTION  
LOCAL IN A RURAL RESIDENTIAL ZONE  
(EXCLUDING MF-1, MF-2 & MF-3)

DESIGN STANDARDS	
DESIGN SPEED	35 MPH
MAX. GRADE	10%
MIN. SIGHT DISTANCE	250'
MIN. HORIZ. CENTERLINE CURVE RADIUS	300'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

# DESIGN NOTES:

1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
2. DESIGN CLASSIFICATION = LOCAL URBAN
3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.



\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

## TYPICAL SECTION LOCAL IN AN INDUSTRIAL ZONE



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: <b>TYPICAL SECTIONS</b>	
DESCRIPTION: <b>LOCAL IN AN INDUSTRIAL ZONE</b>	
DRAWN BY: NTR	CHECKED BY: BJV
FILE NAME: 4-LOCAL INDUSTRIAL STREET SECTION.dwg	

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SHEET:  
**TS-4**





CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

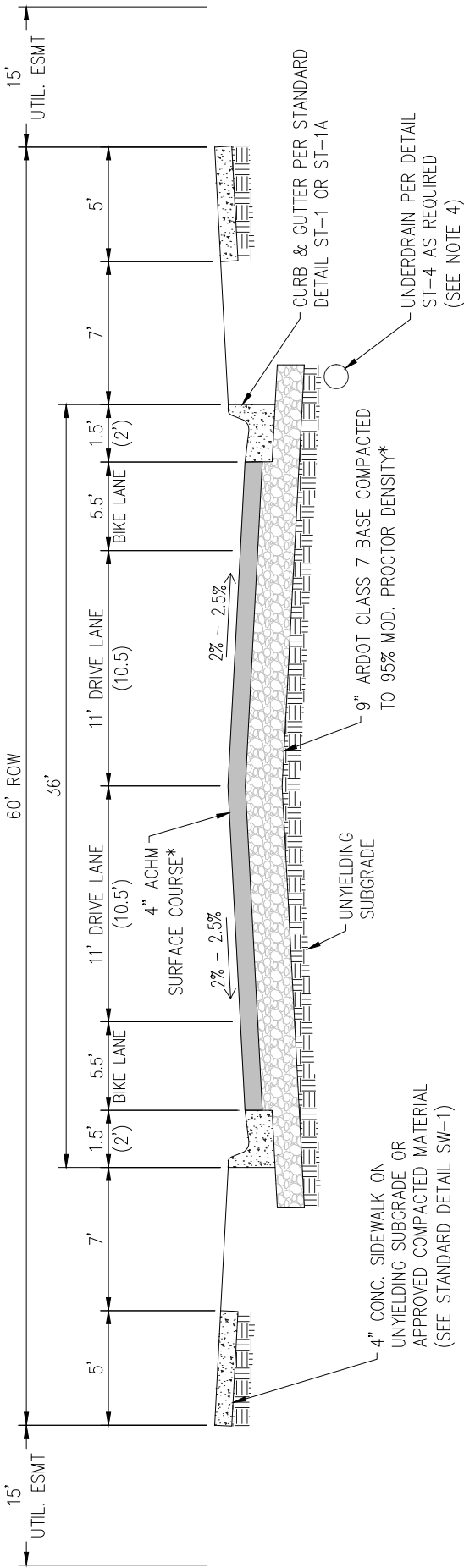
TITLE: <b>TYPICAL SECTIONS</b>		
DESCRIPTION: <b>COLLECTOR IN A RESIDENTIAL ZONE</b>		
DRAWN BY: NTR	CHECKED BY: BFV	FILE NAME: RESIDENTIAL COLLECTOR STREET SECTION.dwg

DATE: FEBRUARY 2017	SHEET:
REVISED	
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**TS-5**

DESIGN STANDARDS	
DESIGN SPEED	30 MPH
MAX. GRADE	10%
MIN. SIGHT DISTANCE	200'
MIN. HORIZ. CENTERLINE CURVE RADIUS	300'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

- DESIGN NOTES:
1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
  2. DESIGN CLASSIFICATION = URBAN COLLECTOR
  3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
  4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.



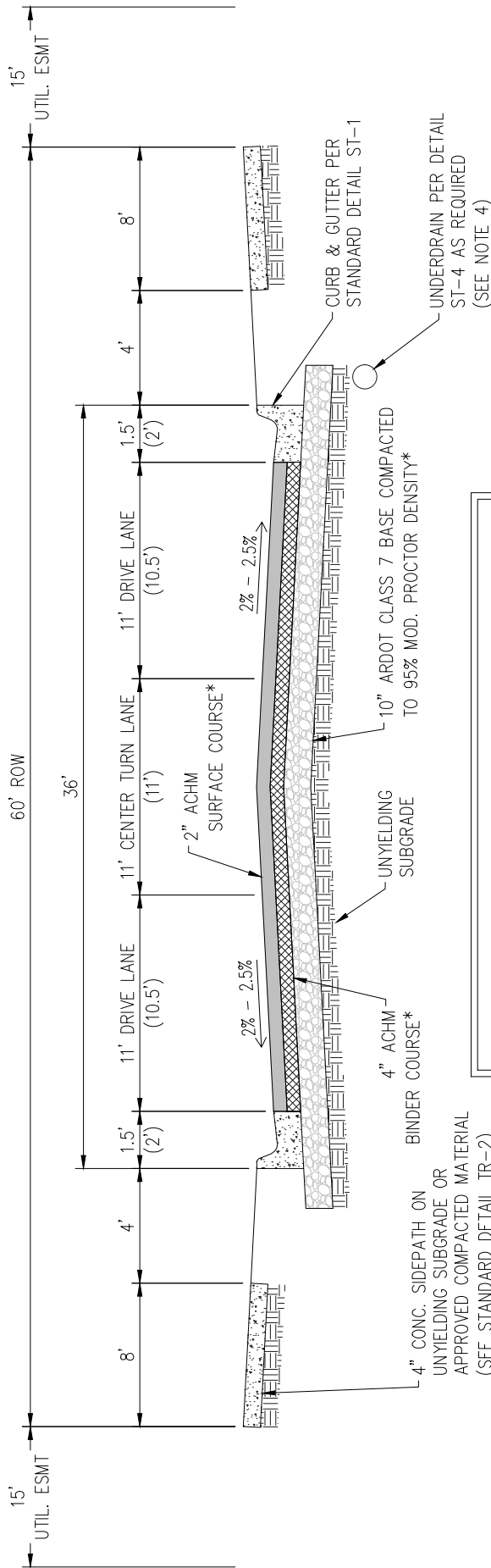
\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

TYPICAL SECTION  
COLLECTOR IN A RESIDENTIAL ZONE  
(EXCLUDING MF-1, MF-2 & MF-3)

DESIGN STANDARDS	
DESIGN SPEED	35 MPH
MAX. GRADE	10%
MIN. SIGHT DISTANCE	250'
MIN. HORIZ. CENTERLINE CURVE RADIUS	300'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

# DESIGN NOTES:

1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
2. DESIGN CLASSIFICATION = URBAN COLLECTOR
3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.



\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

NOTE: AT THE DISCRETION OF THE CITY ENGINEER, LANE CONFIGURATION MAY BE REQUIRED TO MATCH THE "COLLECTOR IN A RESIDENTIAL ZONE" TYPICAL SECTION.

## TYPICAL SECTION COLLECTOR/LOCAL



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:	<b>TYPICAL SECTIONS</b>
DESCRIPTION:	<b>LOCAL/COLLECTOR</b>
DRAWN BY:	NTR
CHECKED BY:	BVF
FILE NAME:	TS-6 COLLECTOR-LOCAL STREET SECTION.dwg

DATE: FEBRUARY 2017
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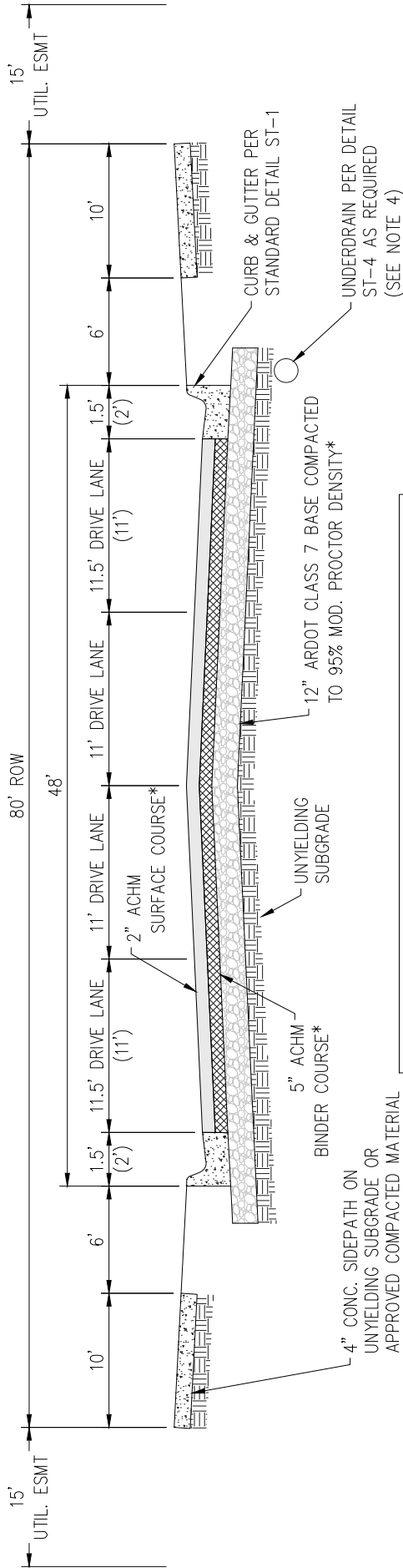
SHEET:

**TS-6**

DESIGN STANDARDS	
DESIGN SPEED	40 MPH
MAX. GRADE	10%
MIN. SIGHT DISTANCE	350'
MIN. HORIZ. CENTERLINE CURVE RADIUS	600'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

# DESIGN NOTES:

1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
2. DESIGN CLASSIFICATION = URBAN ARTERIAL
3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.



\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

## TYPICAL SECTION MINOR ARTERIAL



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: <b>TYPICAL SECTIONS</b>	
DESCRIPTION: <b>MINOR ARTERIAL</b>	
DRAWN BY: NTR	CHECKED BY: BVF
FILE: NAMB5-7 MINOR ARTERIAL STREET SECTION.dwg	

DATE: FEBRUARY 2017
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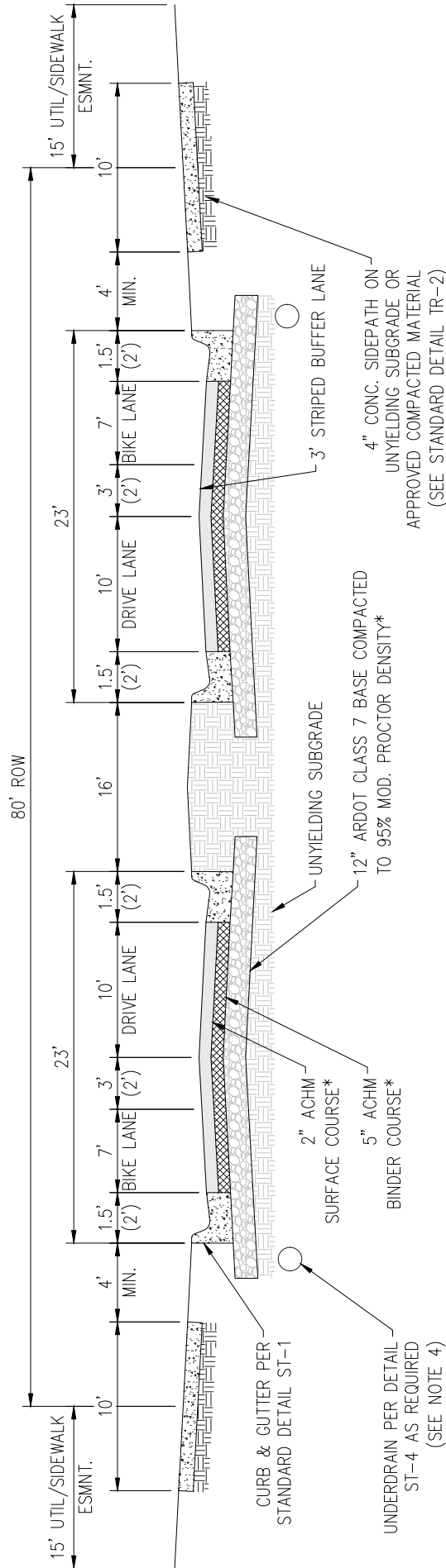
SHEET:

**TS-7**

DESIGN STANDARDS	
DESIGN SPEED	40 MPH
MAX. GRADE	10%
MIN. SIGHT DISTANCE	350'
MIN. HORIZ. CENTERLINE CURVE RADIUS	600'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

# DESIGN NOTES:

1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
2. DESIGN CLASSIFICATION = URBAN ARTERIAL
3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.



\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

## TYPICAL SECTION MINOR ARTERIAL ALTERNATIVE



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE: <b>TYPICAL SECTIONS</b>	
DESCRIPTION: <b>MINOR ARTERIAL ALTERNATIVE</b>	
DRAWN BY: NTR	CHECKED BY: BFV
FILE NAME: MINOR ARTERIAL ALTERNATIVE STREET SECTION.dwg	

DATE: FEBRUARY 2017
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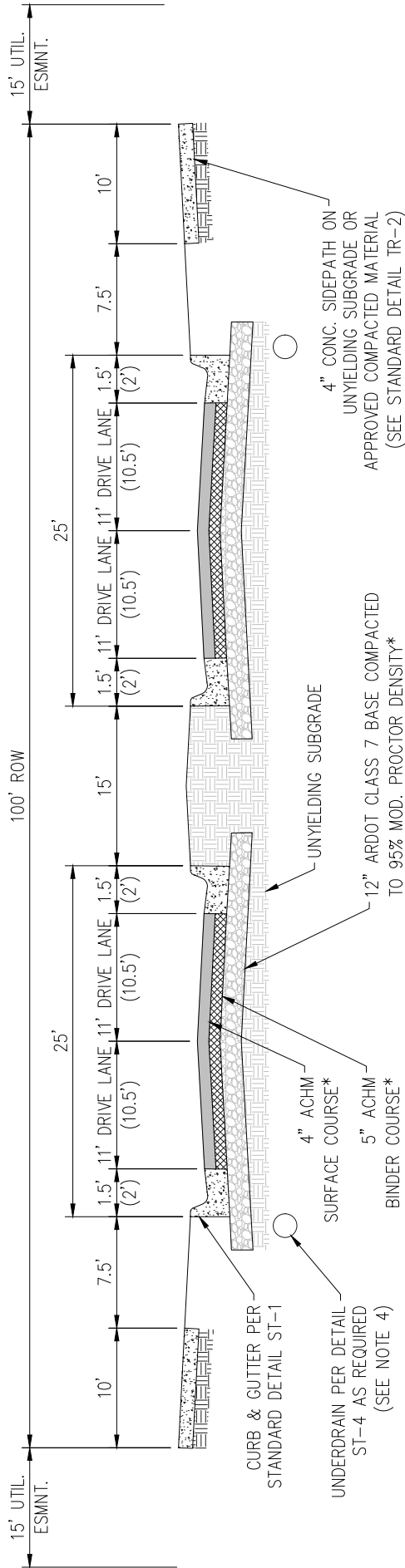
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**TS-8**

DESIGN STANDARDS	
DESIGN SPEED	45 MPH
MAX. GRADE	9%
MIN. SIGHT DISTANCE	400'
MIN. HORIZ. CENTERLINE CURVE RADIUS	900'
MIN. TANGENT BETWEEN HORIZ. CURVES	50' PREFERRED 0' MINIMUM

# DESIGN NOTES:

1. SHALL BE DESIGNED IN ACCORDANCE WITH ARDOT "ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES" AND AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", CURRENT EDITION
2. DESIGN CLASSIFICATION = URBAN ARTERIAL
3. REFERENCE DETAIL SHEET TS-0 FOR FURTHER DESIGN INFORMATION.
4. UNDERDRAINS SHALL BE INSTALLED PER DETAIL ST-4 AT ALL LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER.



\*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLES ON SHEET TS-0 PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

## TYPICAL SECTION MAJOR ARTERIAL



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**TYPICAL SECTIONS**

DESCRIPTION:

**MAJOR ARTERIAL**

DRAWN BY: NTR

CHECKED BY: BJV

FILE NAME: TS-9 MAJOR ARTERIAL STREET SECTION.dwg

DATE: FEBRUARY 2017

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SHEET:

**TS-9**

TABLE 1: MINIMUM STRUCTURAL NUMBER

MINIMUM STRUCTURAL NUMBER						
	AVG ADT LOW $M_R$	AVG ADT MID $M_R$	AVG ADT HIGH $M_R$	HIGH ADT LOW $M_R$	HIGH ADT MID $M_R$	HIGH ADT HIGH $M_R$
LOCAL IN A RESIDENTIAL	2.42	2.21	2.04	—	—	—
LOCAL IN RURAL RESIDENTIAL	2.42	2.21	2.04	—	—	—
LOCAL IN AN INDUSTRIAL	4.60	4.21	3.94	4.75	4.35	4.06
COLLECTOR IN RESIDENTIAL	3.60	3.28	3.05	3.80	3.47	3.22
COLLECTOR/LOCAL	4.03	3.69	3.44	4.66	4.28	4.01
MINOR ARTERIAL	4.28	3.92	3.65	4.95	4.54	4.25
MAJOR ARTERIAL	5.54	5.11	4.77	5.84	5.4	5.05

TABLE 2: RESILIENT MODULUS

RESILIENT MODULUS, $M_R$ (psi)		
$M_R$ (LOW)	$M_R$ (MID)	$M_R$ (HIGH)
2700	3500	4300

NOTE:

1. THESE VALUES WERE DEVELOPED UNDER THE ASSUMPTION THAT PROPER DRAINAGE AND GRADING BE IMPLEMENTED TO MAINTAIN A STABLE SUB-GRADE

TABLE 3: TRAFFIC DATA

FUNCTIONAL CLASSIFICATION	2018 ADT (PROJECTED VOLUME)	
	AVERAGE	HIGH
MAJOR ARTERIAL (4 LANE)	23,000	35,700
MAJOR ARTERIAL (2 LANE)	8,900	18,600
MINOR ARTERIAL	5,900	16,400
INDUSTRIAL	3,800	4,800
COLLECTOR	4,100	11,200
LOCAL	1,500	2,600
RESIDENTIAL	500	500

NOTES:

1. ADT = AVERAGE DAILY TRAFFIC
2. ADT DATA EXTRACTED FROM TRAFFIC VOLUMES PUBLISHED BY THE ARDOT



CITY OF CONWAY  
TRANSPORTATION DEPARTMENT  
100 EAST ROBINS  
CONWAY, ARKANSAS 72032  
501-450-6165

TITLE:

**TYPICAL SECTIONS**

DESCRIPTION:

**TYPICAL SECTION SUPPORT DATA**

DATE: FEBRUARY 2017

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SHEET:

**TS-0**

DRAWN BY: NTR

CHECKED BY: BFV

FILE: NAMERS-0 TYPICAL SECTION SUPPORT DATA.dwg