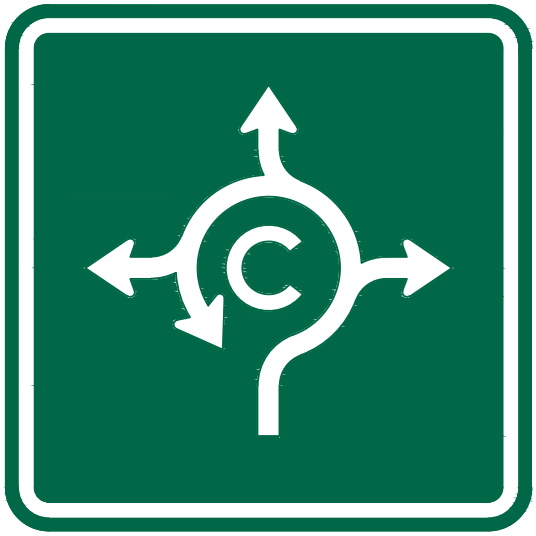
# STANDARD DETAILS

## FOR ROADWAY & DRAINAGE CONSTRUCTION



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

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# GENERAL CONSTRUCTION REQUIREMENTS:

1. THE STREET DEPARTMENT SHALL BE NOTIFIED 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 STREET DEPARTMENT PRIOR TO PLACEMENT OF CURB & GUTTER OR CRUSHED STONE.

2. EARTHWORK EQUIPMENT SHALL INCLUDE AN APPROPRIATE SIZE VIBRATORY SHEEPS FOOT COMPACTOR, WATER TRUCK AND MOTOR PATROL.

3. ALL FILL MATERIAL PLACED WITHIN THE LIMITS OF THE STREET (1' BEYOND THE BACK OF CURB EACH SIDE) SHALL BE PLACED IN LIFT THICKNESS' NOT TO EXCEED 8". EACH LIFT SHALL BE COMPACTED WITH A SHEEPS FOOT ROLLER (COMPACTION WITH TRACK EQUIPMENT OR OTHER EQUIPMENT NOT SPECIFICALLY DESIGNED FOR EARTHWORK COMPACTION IS NOT ALLOWED) TO 95% MODIFIED PROCTOR DENSITY. FILL MATERIAL SHALL BE APPROVED BY THE CONWAY STREET 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 +3% OR -1% OF THE OPTIMUM. ALL EARTHWORK SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 210 AND 212 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

4. THE SUB-GRADE (1' BEYOND THE BACK OF CURB EACH SIDE) SHALL BE PREPARED IN ACCORDANCE WITH SECTION 212 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. PRIOR TO PLACEMENT OF THE CRUSHED STONE BASE COURSE THE SUB-GRADE MUST BE VERIFIED TO CONFORM TO THE PROPER SHAPE AND GRADE AND MUST FIELD DEMONSTRATE THAT IT IS FIRM AND UNYIELDING TO THE PASSAGE OF EQUIPMENT.

5. ALL STORM DRAINAGE PIPE SHALL BE RCP CLASS III UNLESS SPECIFICALLY APPROVED OTHERWISE.

6. CRUSHED STONE BASE COURSE SHALL CONFORM TO THE REQUIREMENTS FOR CLASS 7 AGGREGATE BASE COURSE AS DESCRIBED IN SECTION 303-AGGREGATE BASE COURSE OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. THE CRUSHED STONE 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.

7. ALL MUD AND LOOSE GRAVEL SHALL BE REMOVED FROM THE CRUSHED STONE BASE AND THE CURB & GUTTER PRIOR TO THE PLACEMENT OF ASPHALT.

8. STORM DRAINAGE PIPES, DITCHES AND DRAINAGE STRUCTURES MUST BE FREE OF SEDIMENTS, TRASH, DEBRIS AND PONDING WATER PRIOR TO FINAL APPROVAL OF THE STREETS.

9. PRIOR TO THE PLACEMENT OF CONCRETE FOR CURB INLETS, BOX CULVERTS OR OTHER CONCRETE STRUCTURES, THE CONTRACTOR SHALL PROVIDE 24 HOUR NOTICE OF HIS DESIRE TO PLACE CONCRETE AND REQUEST THAT THE CITY INSPECT REINFORCING STEEL AND FORMING TO VERIFY CONFORMANCE WITH THE PLANS. CONCRETE PLACED WITHOUT CITY INSPECTION TO INSPECT THE REINFORCING STEEL PLACEMENT AND CONCRETE THICKNESS WILL NOT BE ACCEPTED AND SHALL REMOVED AND RECONSTRUCTED WITH APPROPRIATE CITY APPROVAL.

10. 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.

11. 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.

12. THE CONTRACTOR SHALL KEEP THE ADJACENT PUBLIC STREETS CLEAN AND FREE OF SEDIMENT, GRAVEL AND OTHER DEBRIS.

13. 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 STREET &
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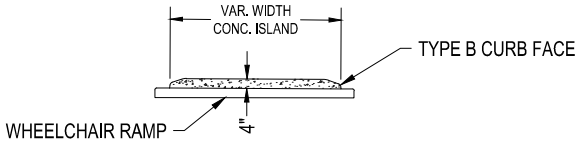
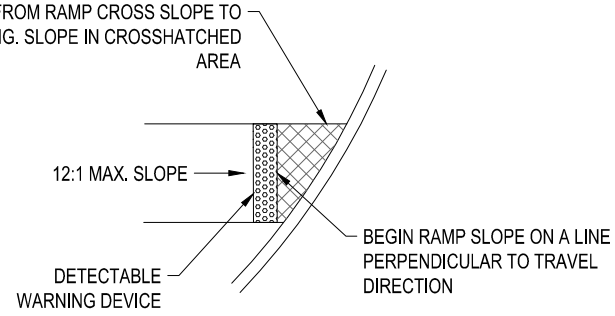
501-450-6165

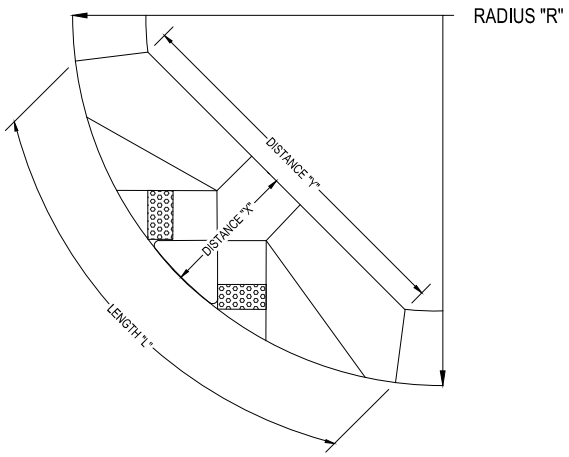
| | | | |
|---|---|---|---|
| TITLE: ***GENERAL INFORMATION*** | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **GENERAL NOTES** | | ---- | **G-1** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: G-1 GENERAL NOTES.dwg | ---- |




## CONCRETE ISLAND DETAIL

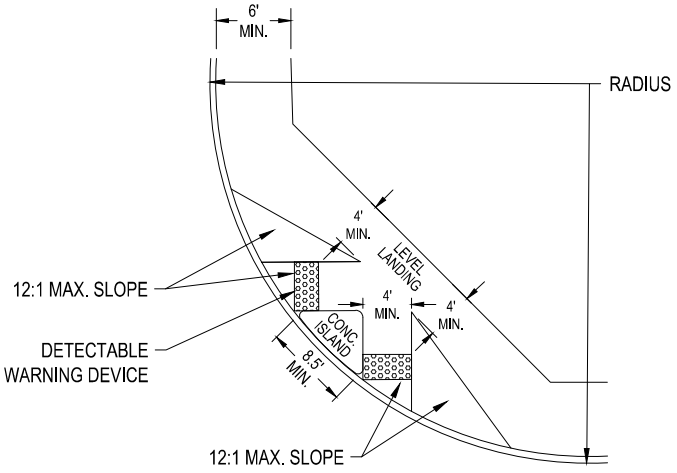


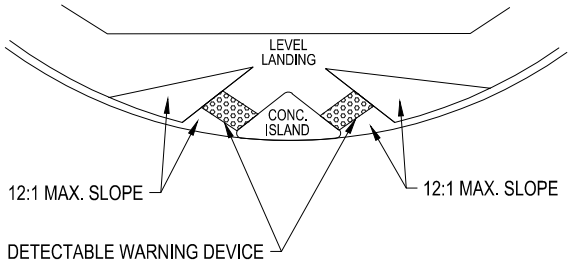

## SLOPE TRANSITION DETAIL




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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***ACCESS RAMP DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **STANDARD ACCESS RAMP (TYPE 1)** | ---- | **AR-1** |
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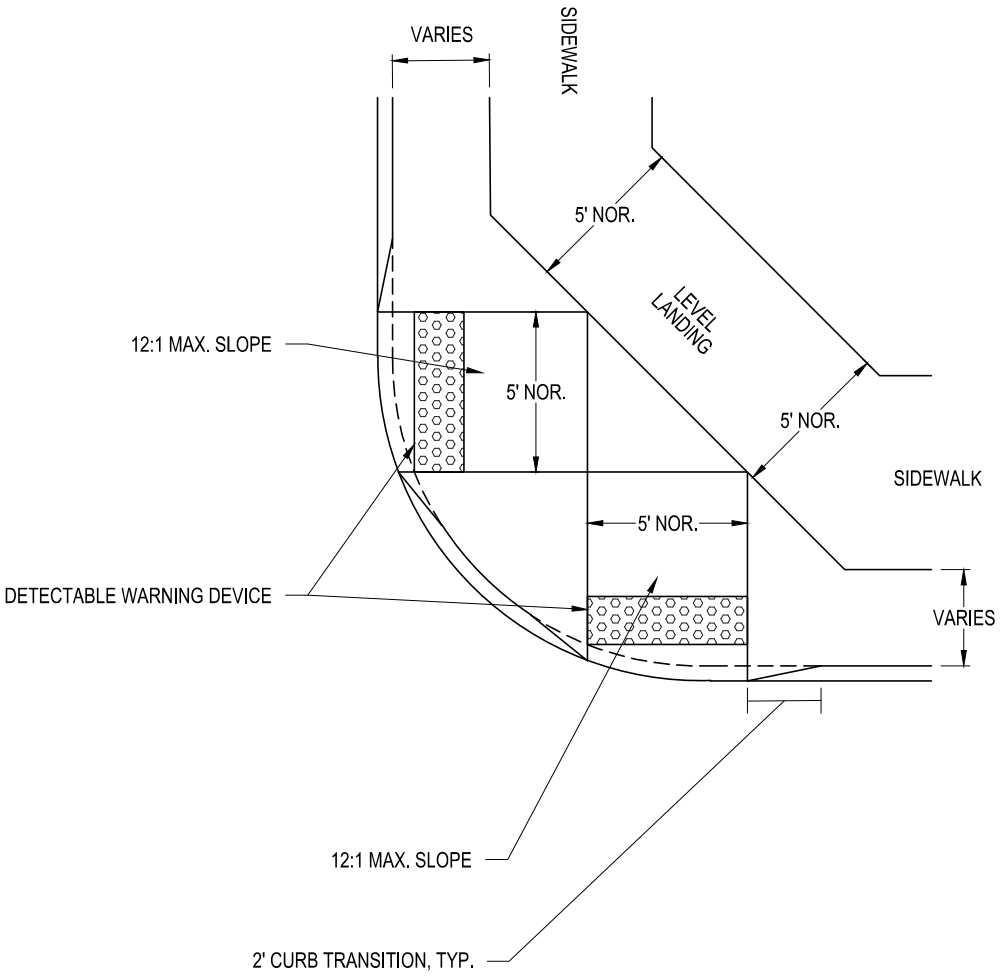


NOTES:

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.

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501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***ACCESS RAMP DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: | **STANDARD ACCESS RAMP (TYPE 2)** | REVISED ---- ---- ---- ---- ---- | **AR-2** |
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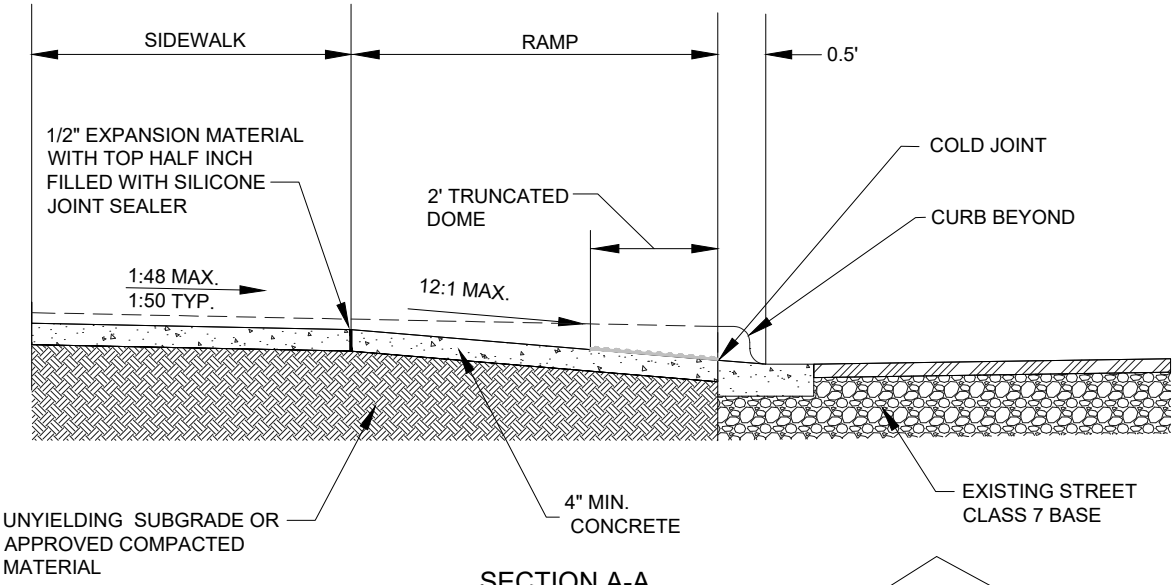
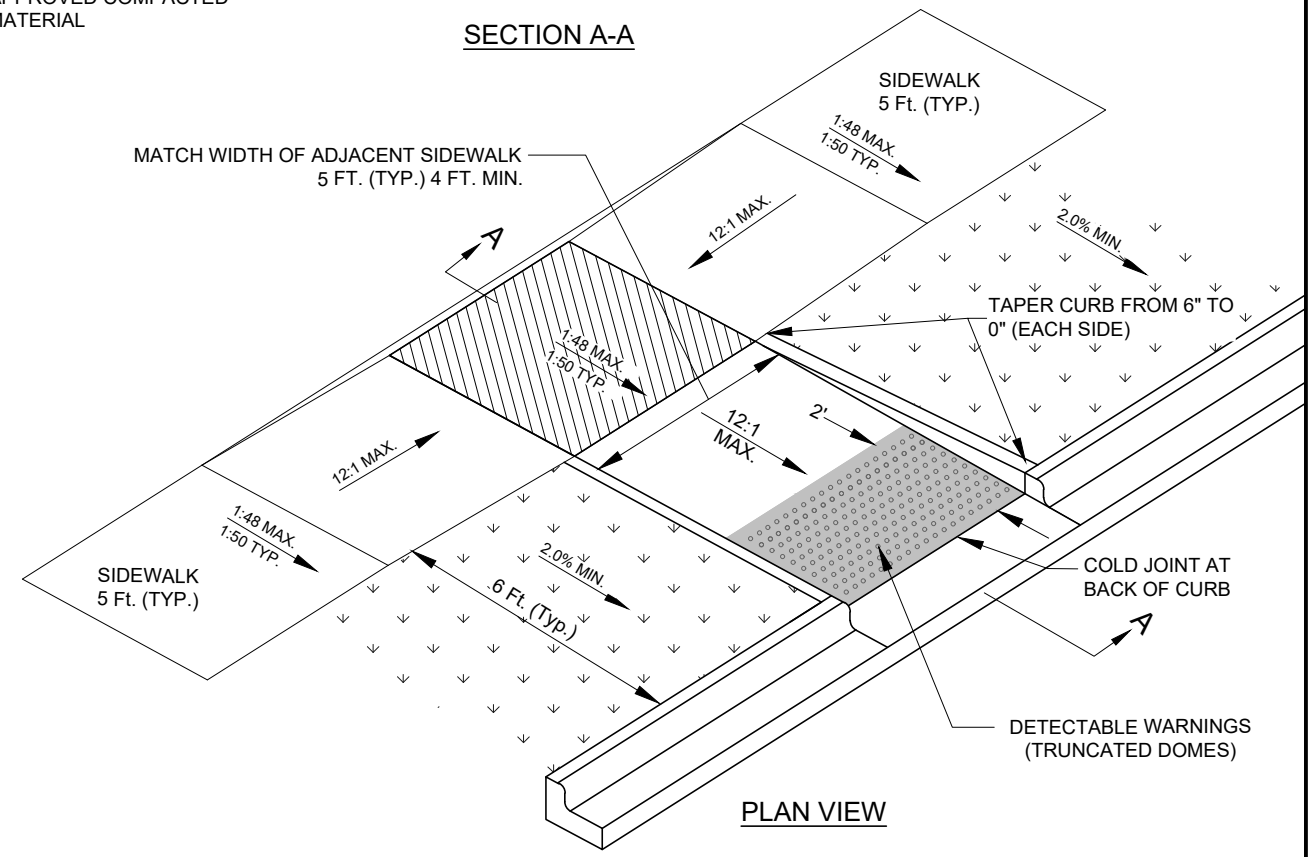



SECTION A-A




PLAN VIEW

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

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| | | | |
|---|---|---|---|
| TITLE: *ACCESS RAMP DETAILS* | | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: **STANDARD ACCESS RAMP (TYPE 3A)** | | REVISED ---- ---- ---- ---- ---- | **AR-3** |
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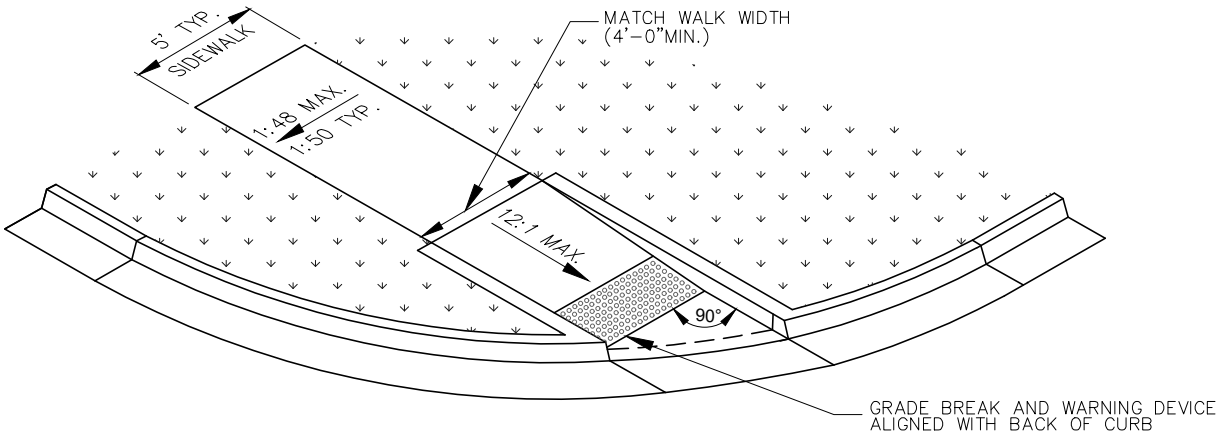


NOTES:

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

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| | | | |
|---|---|---|---|
| TITLE: | ***ACCESS RAMP DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **STANDARD ACCESS RAMP (TYPE 3B)** | ---- | **AR-4** |
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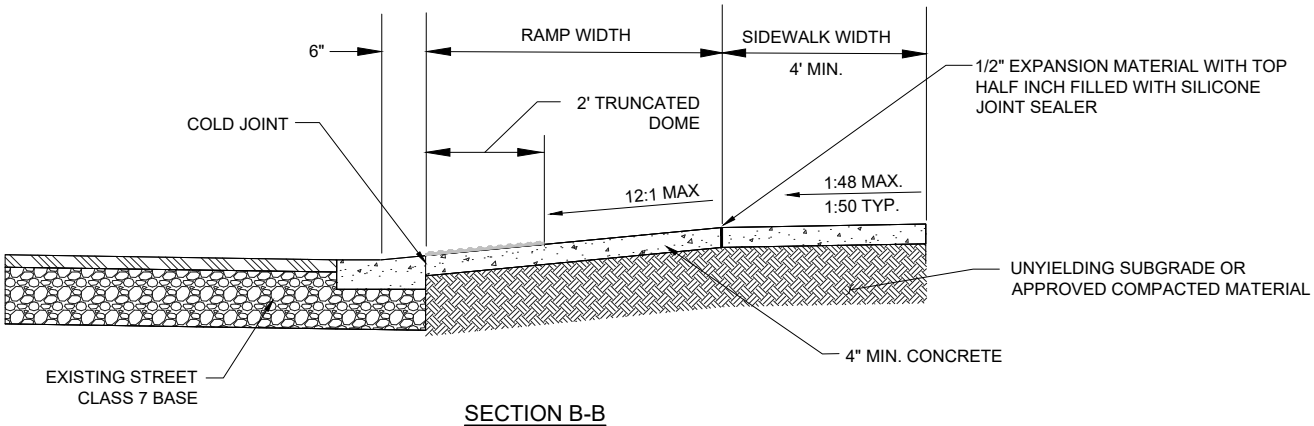
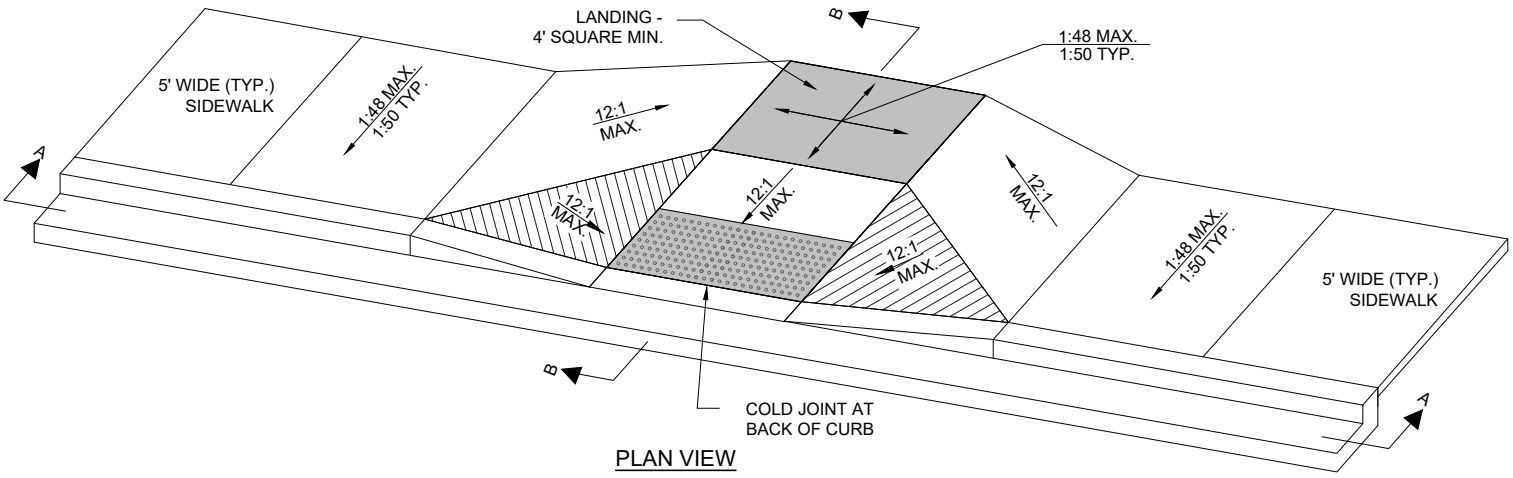
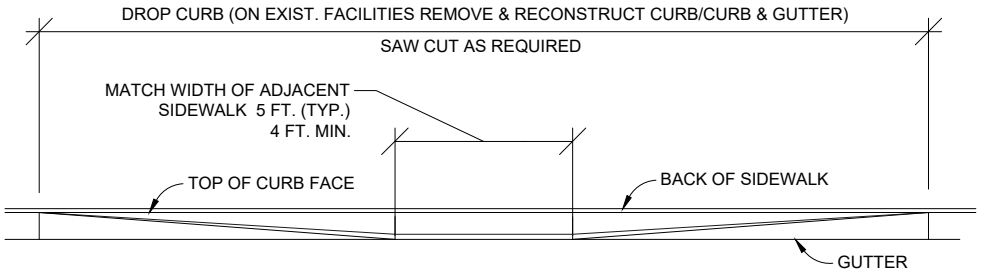



SECTION B-B




PLAN VIEW




SECTION A-A

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 STREET &
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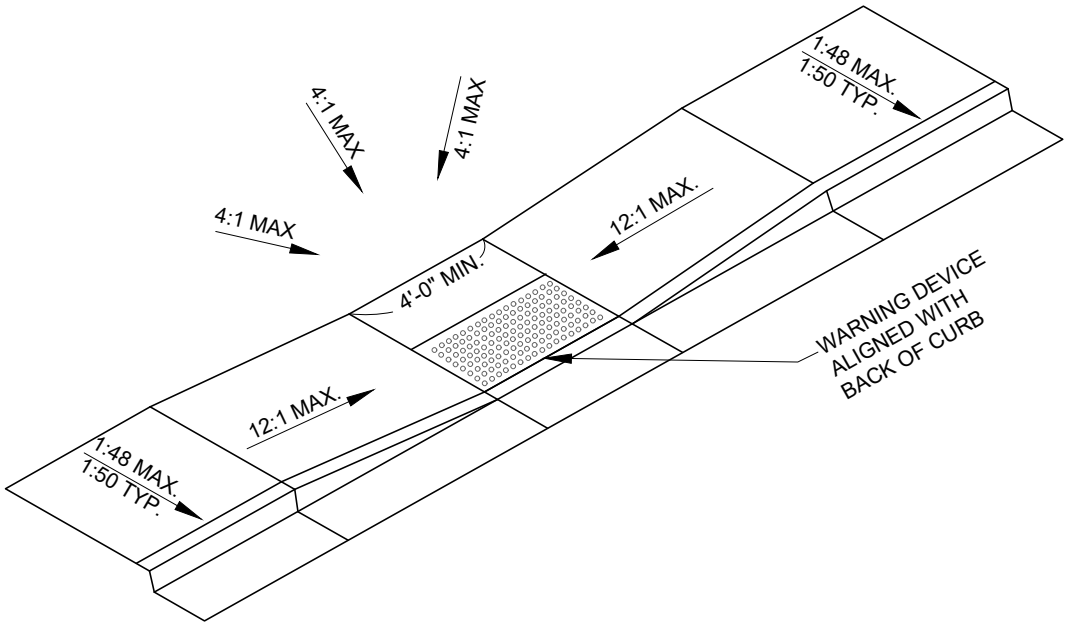
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***ACCESS RAMP DETAILS*** | | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: **STANDARD ACCESS RAMP (TYPE 4)** | | REVISED ---- ---- ---- ---- ---- | **AR-5** |
| DRAWN BY: NTR | CHECKED BY: BFV | 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.

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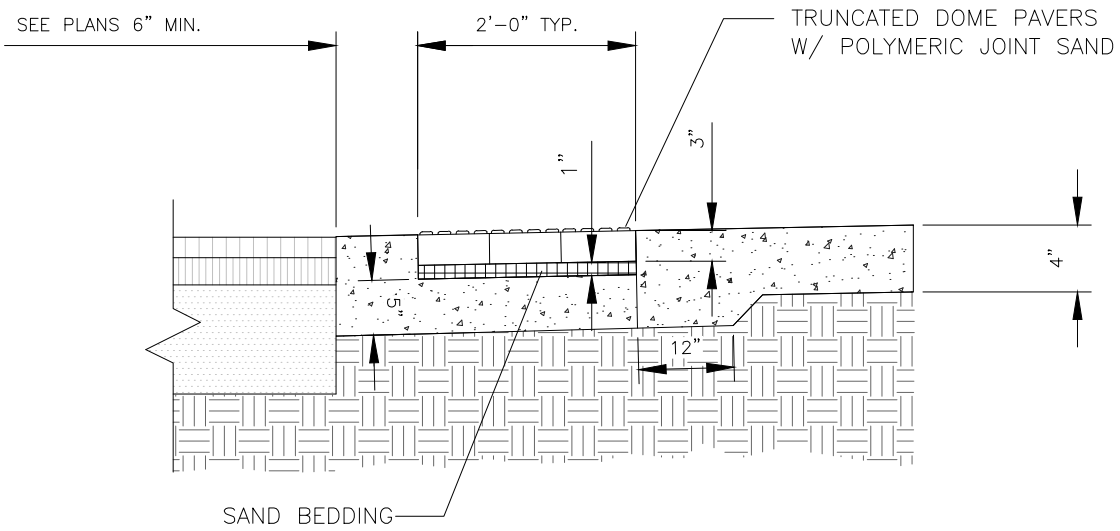
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***ACCESS RAMP DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: | **STANDARD ACCESS RAMP (TYPE 5)** | REVISED ---- ---- ---- ---- ---- | **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.

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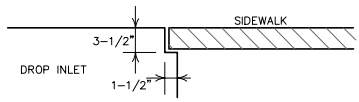
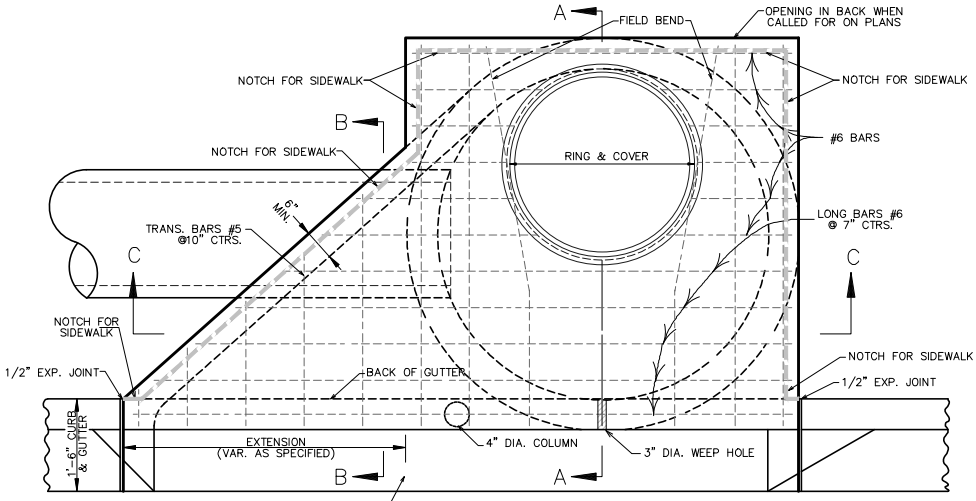
| | | | |
|---|---|---|---|
| TITLE: ***STREET DETAILS*** | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **TRUNCATED DOME PAVERS** | | ---- | **AR-7** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: AR-7 TRUNCATED DOME PAVERS.dwg | ---- |

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.

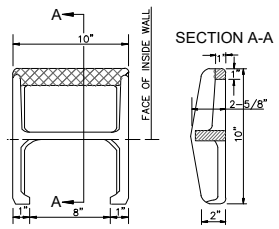



DETAIL OF NOTCH FOR SIDEWALKS




PLAN - W/SINGLE EXTENSION

NOTE: FOR DOUBLE EXTENSION USE SINGLE ON BOTH SIDES.

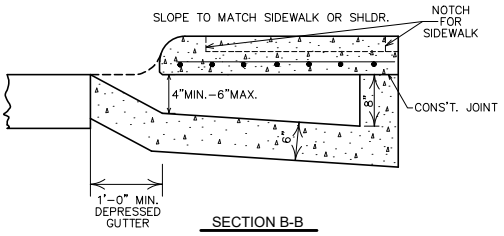



PLAN

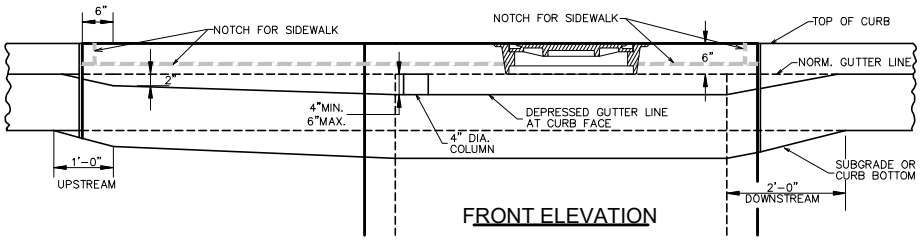
APPROX. WEIGHT = 11 LBS. (CAST IRON)

NOTE: THIS DETAIL IS TYPICAL. OTHERS MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.

DETAIL OF STEP FOR DROP INLET

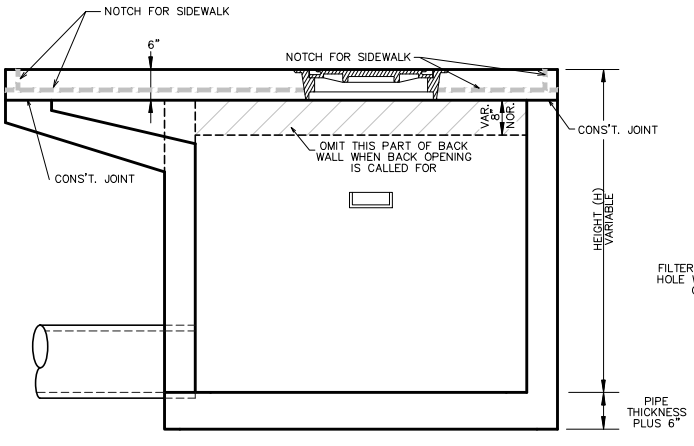



SECTION B-B

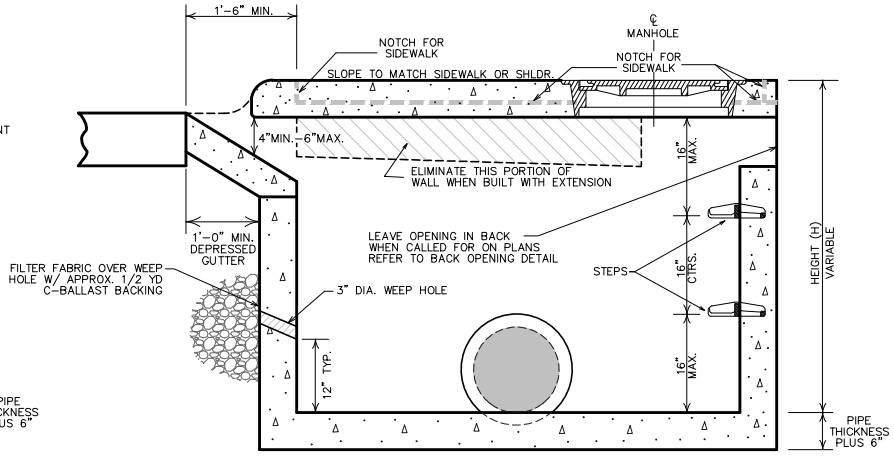



FRONT ELEVATION

| | 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" |




SECTION C–C




SECTION A–A

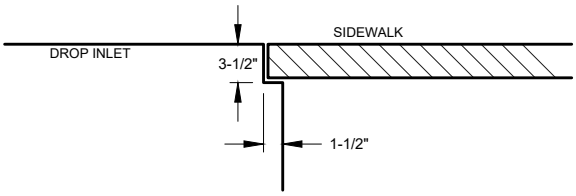
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| TITLE: | DRAINAGE DETAILS | DATE: FEBRUARY 2017 | SHEET: |
|---|---|---|---|
| | | REVISED | |
| DESCRIPTION: | TYPICAL CURB INLET | ---- | D-1 |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: D-1 DROP INLET.dwg | |

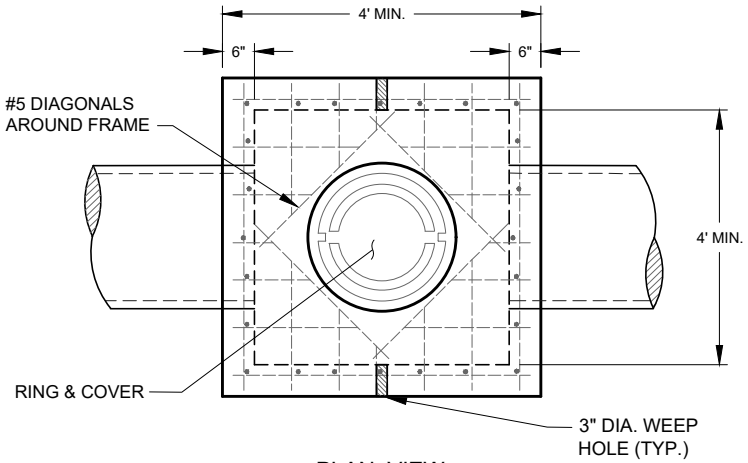
GENERAL NOTES:

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. BOXES LOCATED ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
6. BASE AND INLET WALLS SHALL BE CAST MONOLITHICALLY.
7. PIPES MAY ENTER JUNCTION BOX FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
8. ALTERNATE JUNCTION BOX DESIGNS MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
9. 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.
10. 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.
11. HEAVY DUTY RING AND COVER TO BE EAST JORDAN V-1600-2 & 1348A OR APPROVED EQUAL.
12. STANDARD DUTY RING AND COVER TO BE EAST JORDAN V-1865 MANHOLE ASSEMBLY OR APPROVED EQUAL.

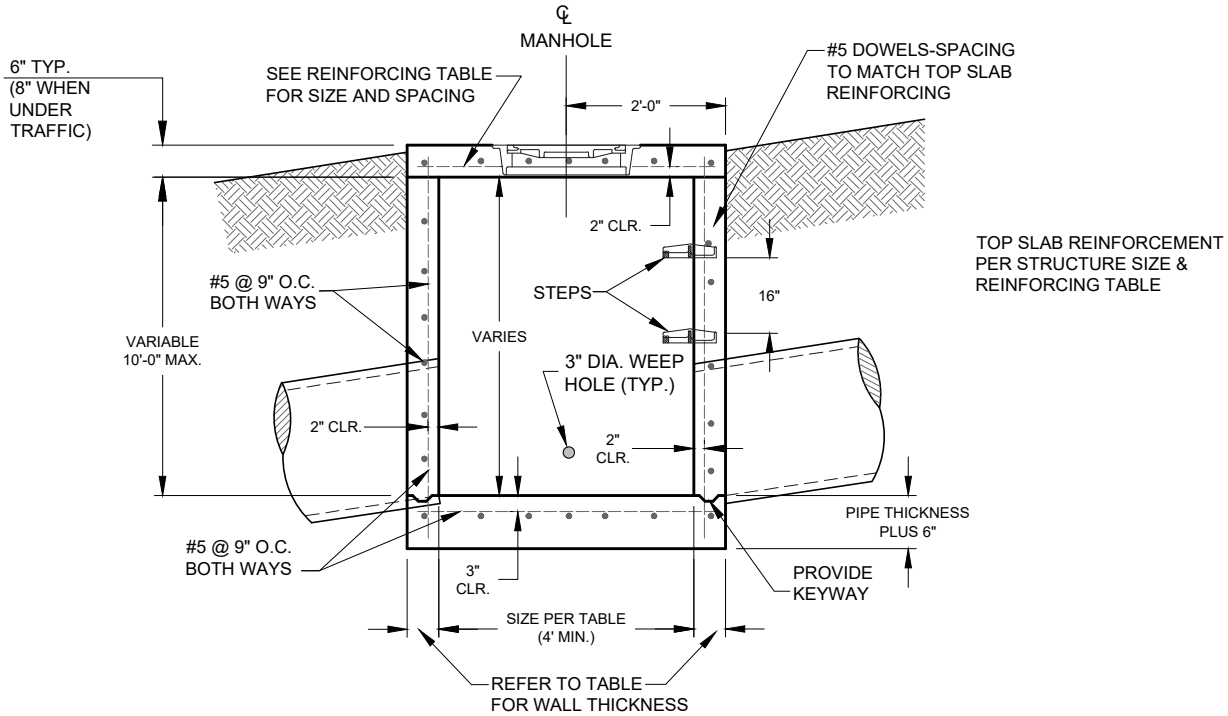
| INSIDE DIMENSION | DIAMETER OF OUTLET PIPE | MIN. WALL THICKNESS | TOP CONCRETE SLAB REINFORCING |
|---|---|---|---|
| 4' | 12" - 27" | 6" | # 5'S @ 6" O.C. E.W. |
| 5' | 30" - 42" | 8" | # 5'S @ 6" O.C. E.W. |
| 6' | 48" - 54" | 8" | # 6'S @ 6" O.C. E.W. |




NOTCH FOR SIDEWALKS




PLAN VIEW




TOP SLAB REINFORCEMENT PER STRUCTURE SIZE & REINFORCING TABLE

ELEVATION

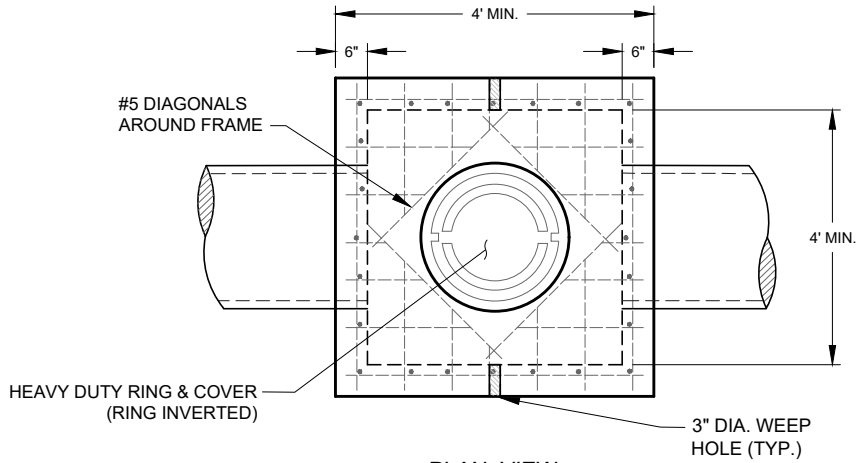
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***DRAINAGE DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **JUNCTION BOX** | ---- | **D-2** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: D-2 JUNCTION BOX.dwg | ---- |

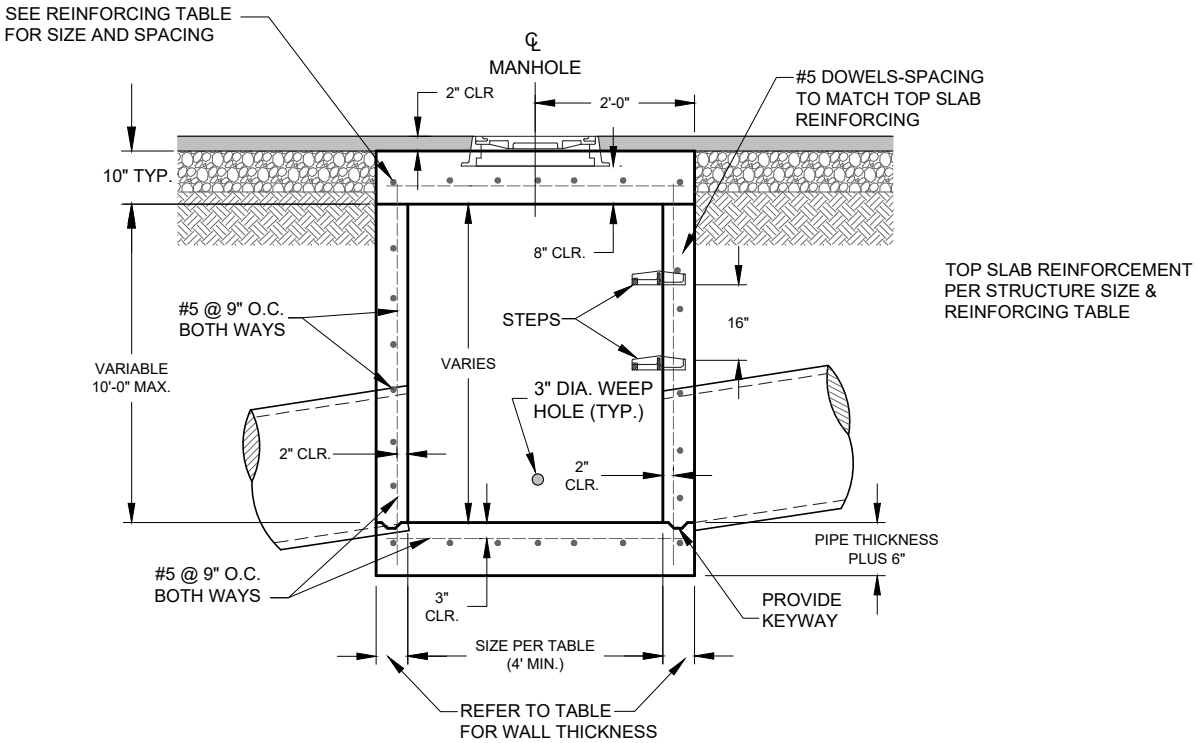
GENERAL NOTES:

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. BOXES LOCATED ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
6. BASE AND INLET WALLS SHALL BE CAST MONOLITHICALLY.
7. PIPES MAY ENTER JUNCTION BOX FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
8. ALTERNATE JUNCTION BOX DESIGNS MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
9. HEAVY DUTY RING AND COVER SHALL BE USED WHEN BOX IS LOCATED WITHIN THE ROADWAY OR A CURB RADIUS.
10. 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. |




PLAN VIEW




ELEVATION


CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

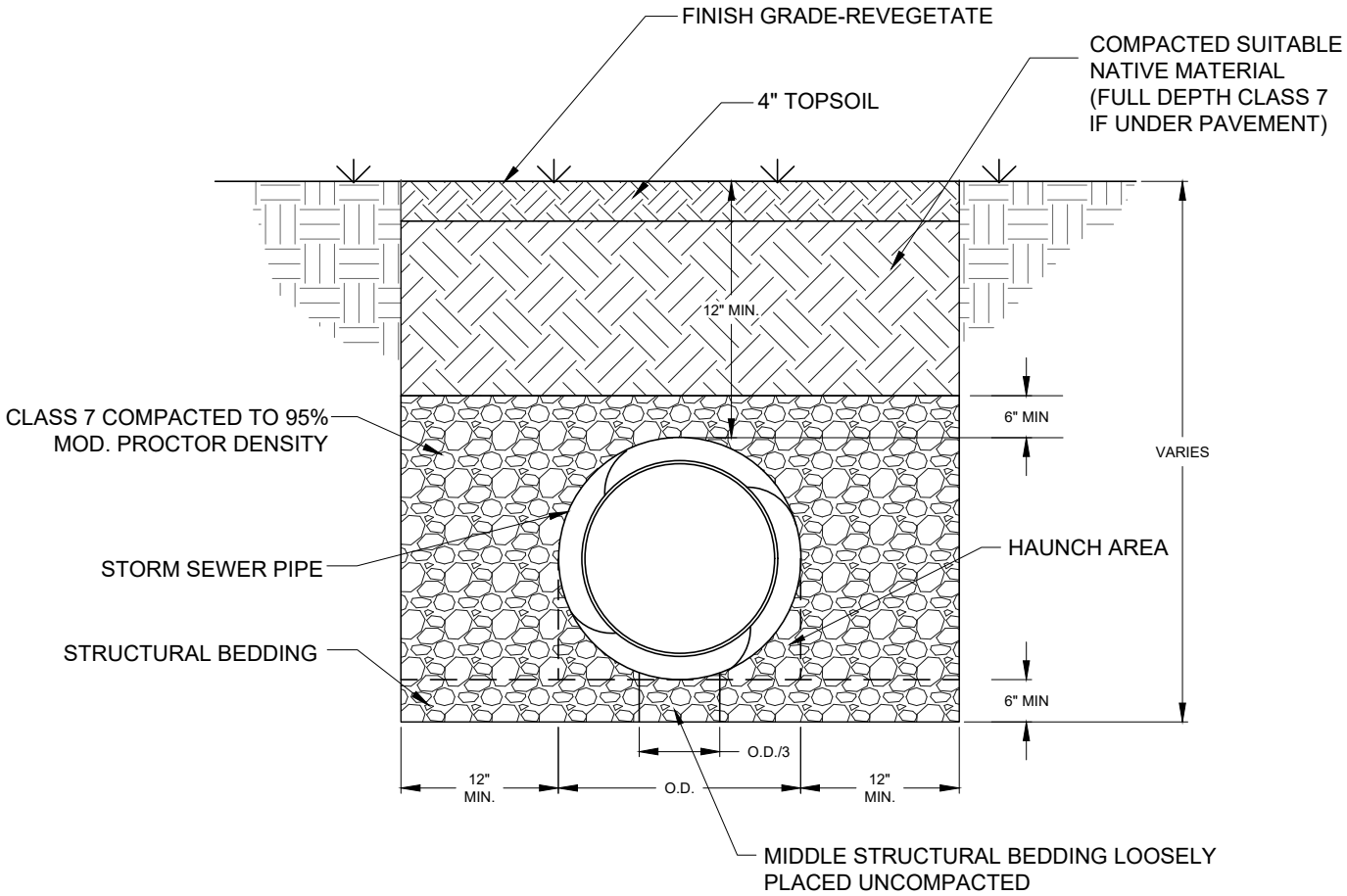

| | | | |
|---|---|---|---|
| TITLE: | ***DRAINAGE DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **JUNCTION BOX (IN ASPHALT)** | ---- | **D-2A** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: D-2A JUNCTION BOX IN ASPHALT.dwg | ---- |

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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

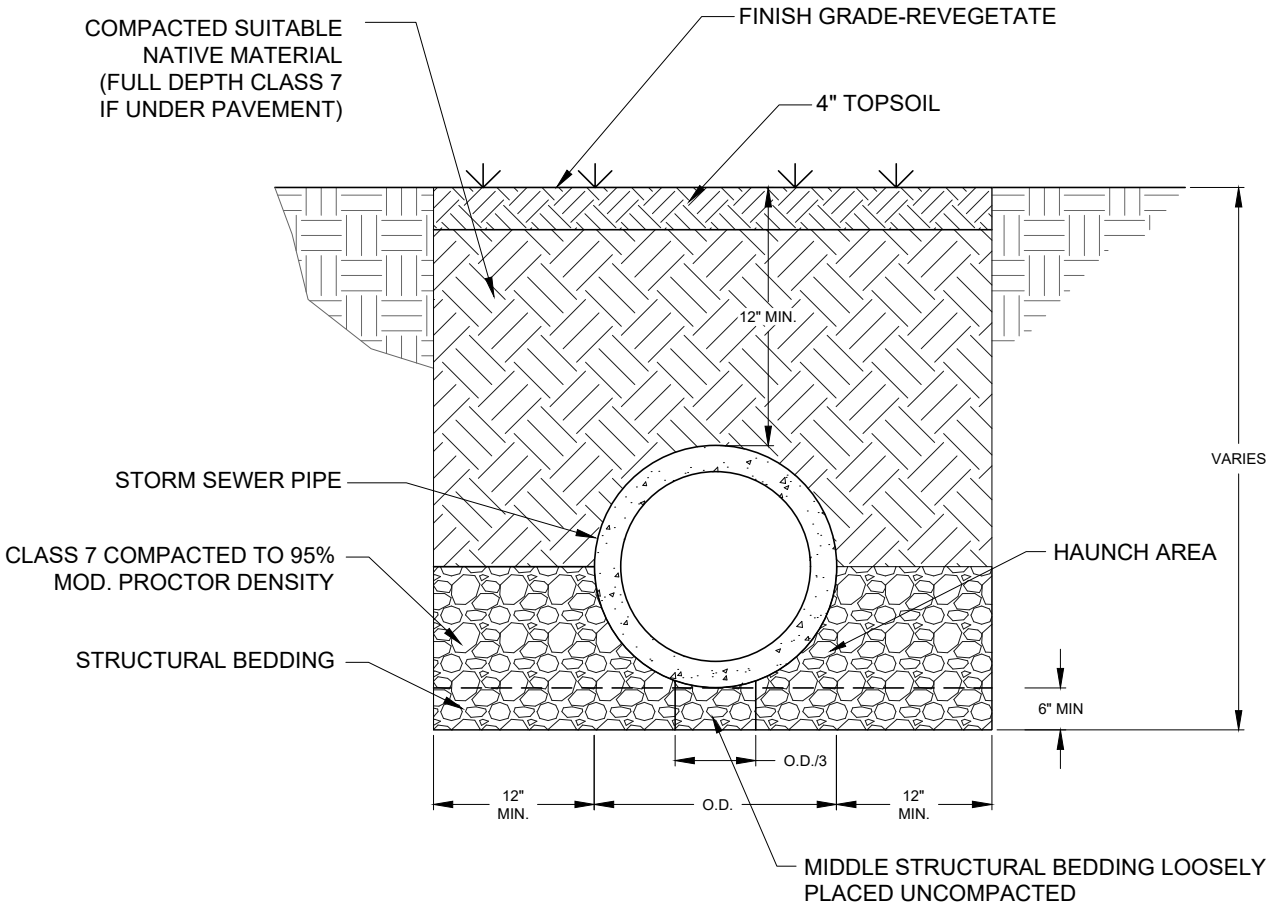
| | | | |
|---|---|---|---|
| TITLE: | ***DRAINAGE DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **STORM SEWER (NON - RIGID PIPE)** | ---- | **D-3** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME:D-3 STORM SEWER (NON-RIGID PIPE).dwg | ---- |

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.

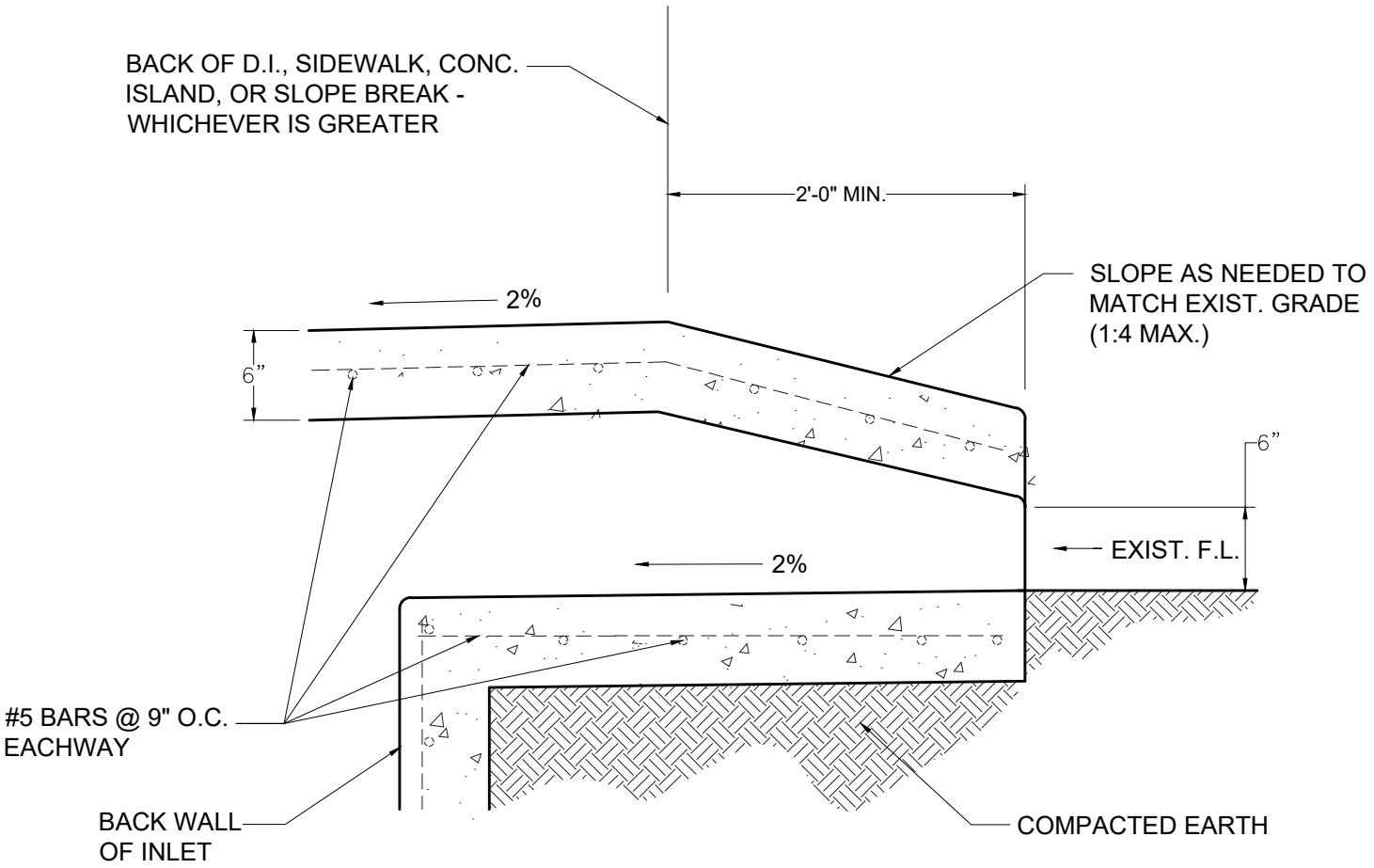
CONSTRUCTION SEQUENCE:

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)

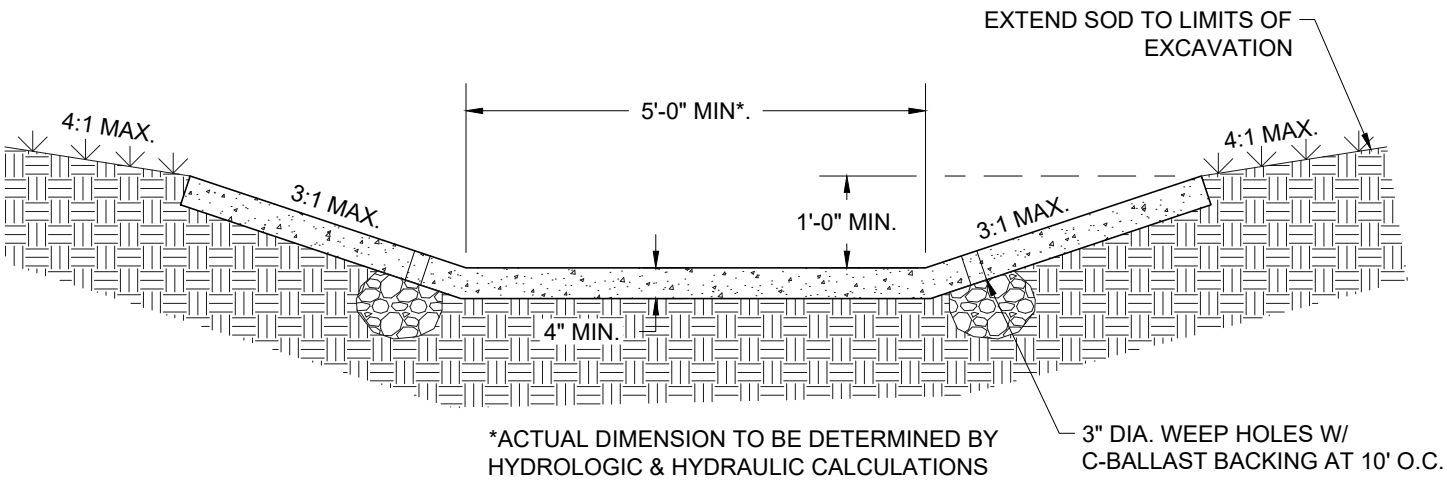
| | | | |
|---|---|---|---|
| CITY OF CONWAY STREET & ENGINEERING DEPARTMENT<br>100 EAST ROBINS<br>CONWAY, ARKANSAS 72032<br>501-450-6165 | TITLE: ***DRAINAGE DETAILS*** | DATE: FEBRUARY 2017<br>REVISED | SHEET: |
| | DESCRIPTION: **STORM SEWER (RIGID PIPE)** | ----<br>----<br>----<br>---- | **D-4** |
| | DRAWN BY: NTR \| CHECKED BY: BFV \| FILE NAME: D-4 STORM SEWER (RIGID PIPE).dwg | ---- | |




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

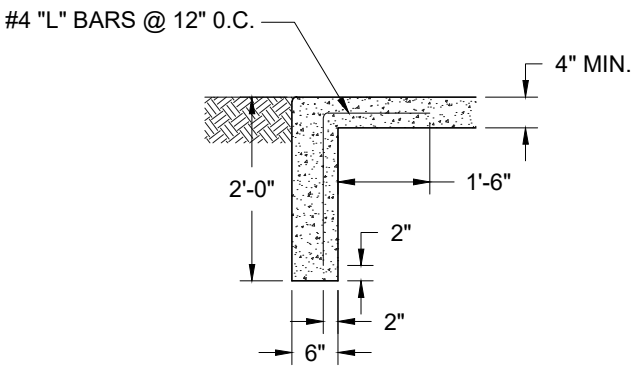
# BACK OPENING

| | | | |
|---|---|---|---|
| CITY OF CONWAY STREET & ENGINEERING DEPARTMENT<br>100 EAST ROBINS<br>CONWAY, ARKANSAS 72032<br>501-450-6165 | TITLE: ***DRAINAGE DETAILS*** | DATE: FEBRUARY 2017<br>REVISED | SHEET: **D-5** |
| | DESCRIPTION: **BACK OPENING** | ----<br>----<br>----<br>---- | |
| | DRAWN BY: NTR \| CHECKED BY: BFV \| FILE NAME: D-5 BACK OPENING.dwg | ---- | |




## CONCRETE DITCH SECTION

N.T.S.



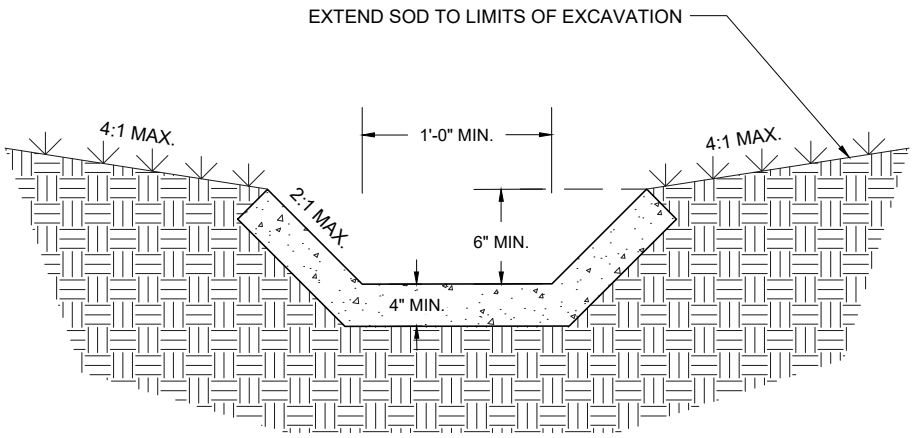

## TOE WALL DETAIL FOR END OF DITCH

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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: DRAINAGE DETAILS | | DATE: MAY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: CONCRETE DITCH PAVING | | ---- | D-6 |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: D-6 CONCRETE DITCH.dwg | ---- |




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

# CONCRETE SWALE SECTION*

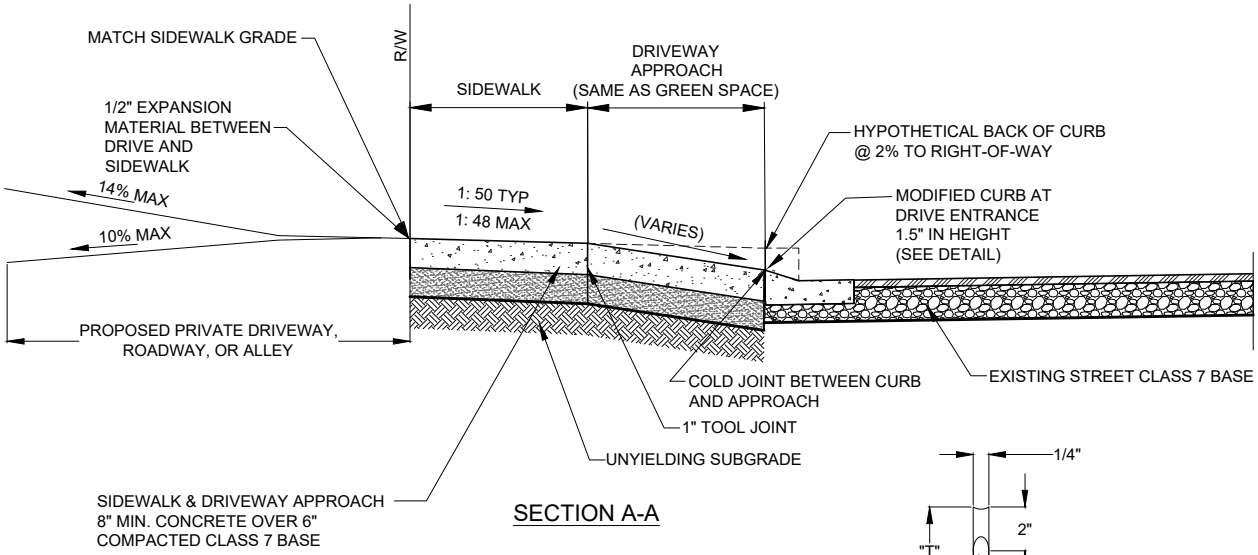
N.T.S.

NOTES:

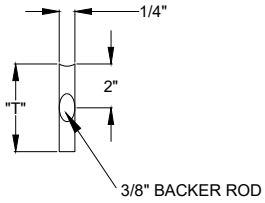
1. ALL MATERIALS & CONSTRUCTION SHALL COMPLY WITH SECTION 605 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.
3. SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 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 STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***DRAINAGE DETAILS*** | | DATE: MAY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **CONCRETE SWALE PAVING** | | ---- | **D-7** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: D-7 CONCRETE SWALE.dwg | ---- |

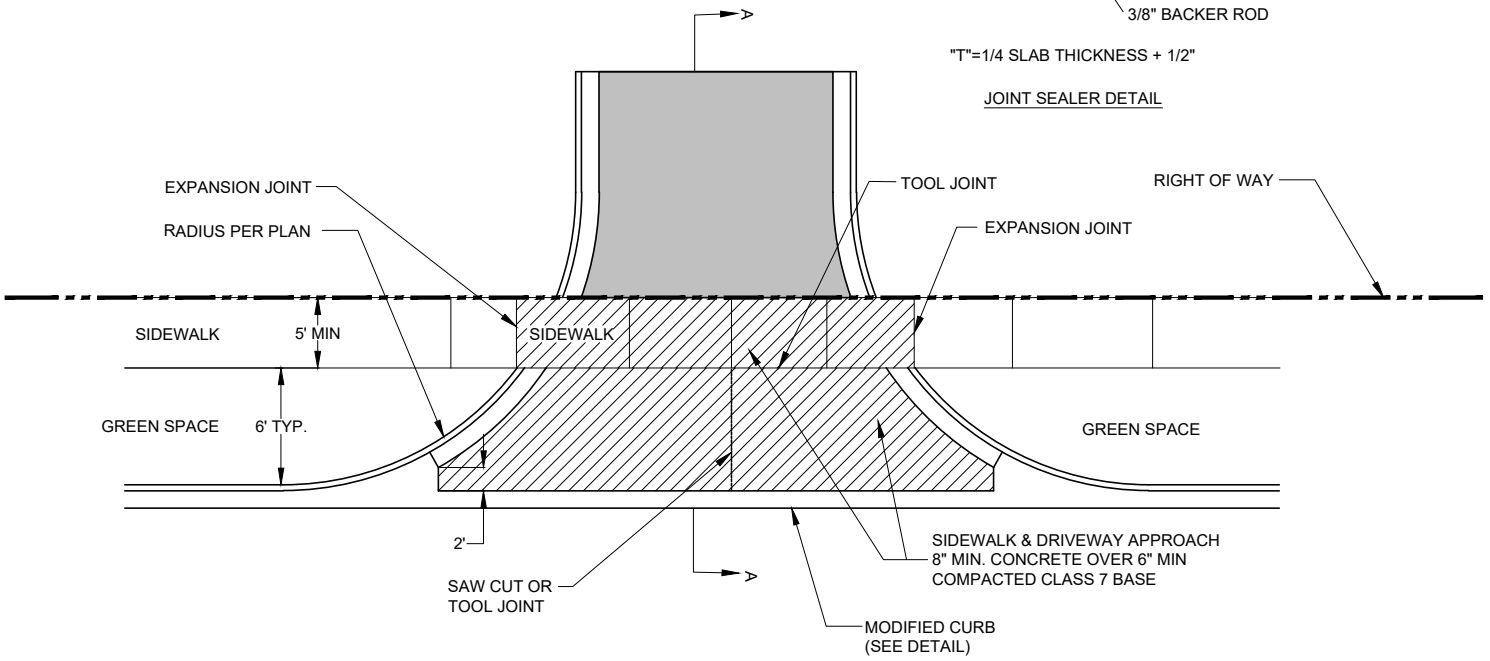



SECTION A-A




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

JOINT SEALER DETAIL




NOTES:

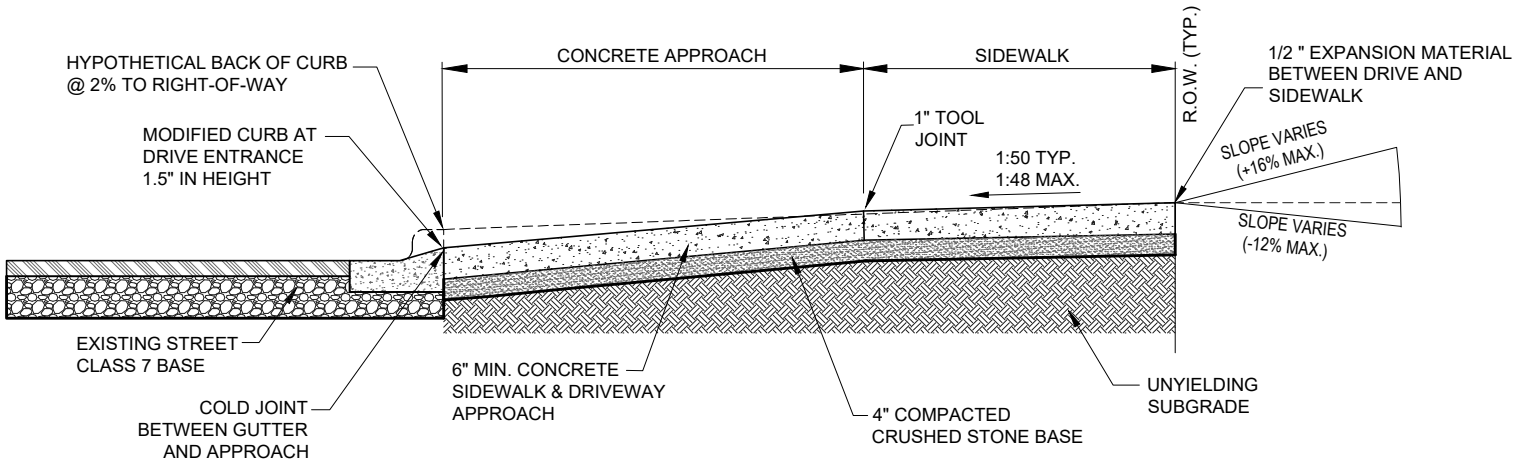
1. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK OPPOSITE THE STREET.
2. CONCRETE TO BE SAW-CUT OR PLACE A TOOL JOINT AT THE CENTER OF DRIVE AND SEALED. IF POSSIBLE CONTRACTOR SHALL TRY TO ALIGN THE JOINT AT THE CENTER OF THE DRIVE WITH THE A JOINT IN THE ADJACENT 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

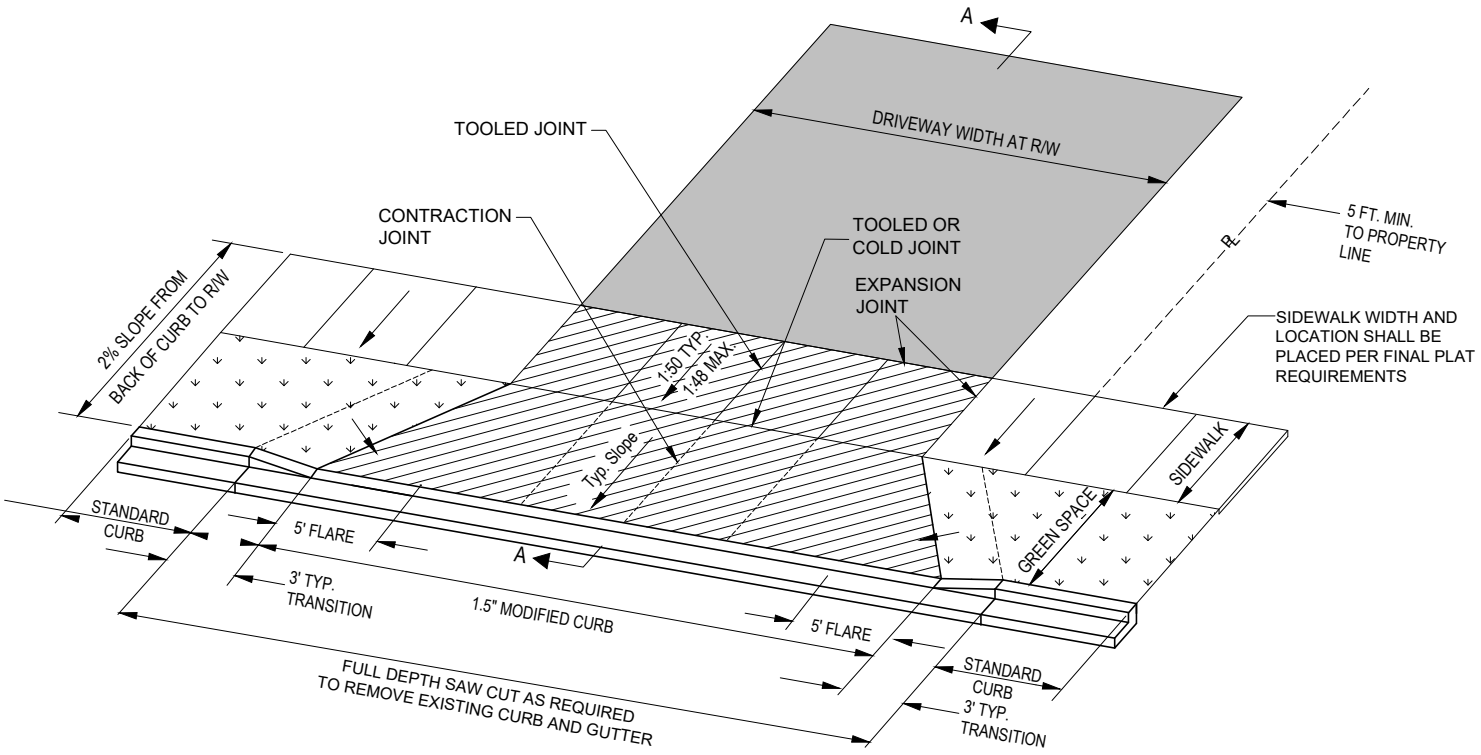
N.T.S.

CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: **DRIVEWAY DETAILS** | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **COMMERCIAL DRIVEWAY** | | ---- | **DW-1** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: DW-1 DRIVEWAY (COMMERCIAL).dwg | ---- |




SECTION A-A
N.T.S.



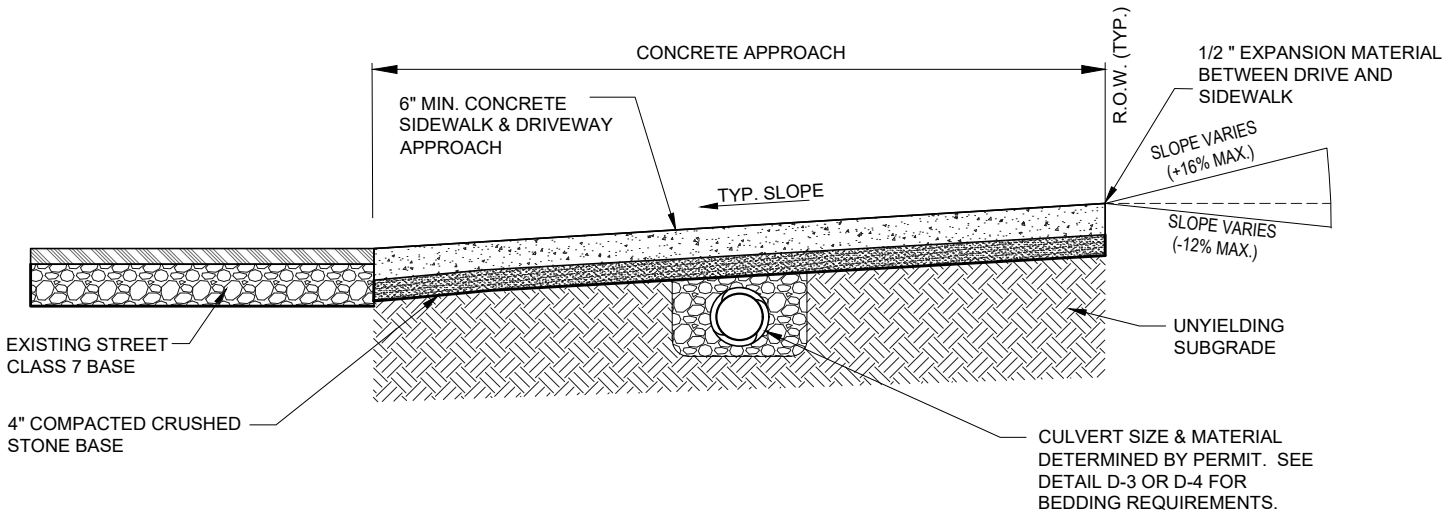

PLAN VIEW
N.T.S.

NOTES:

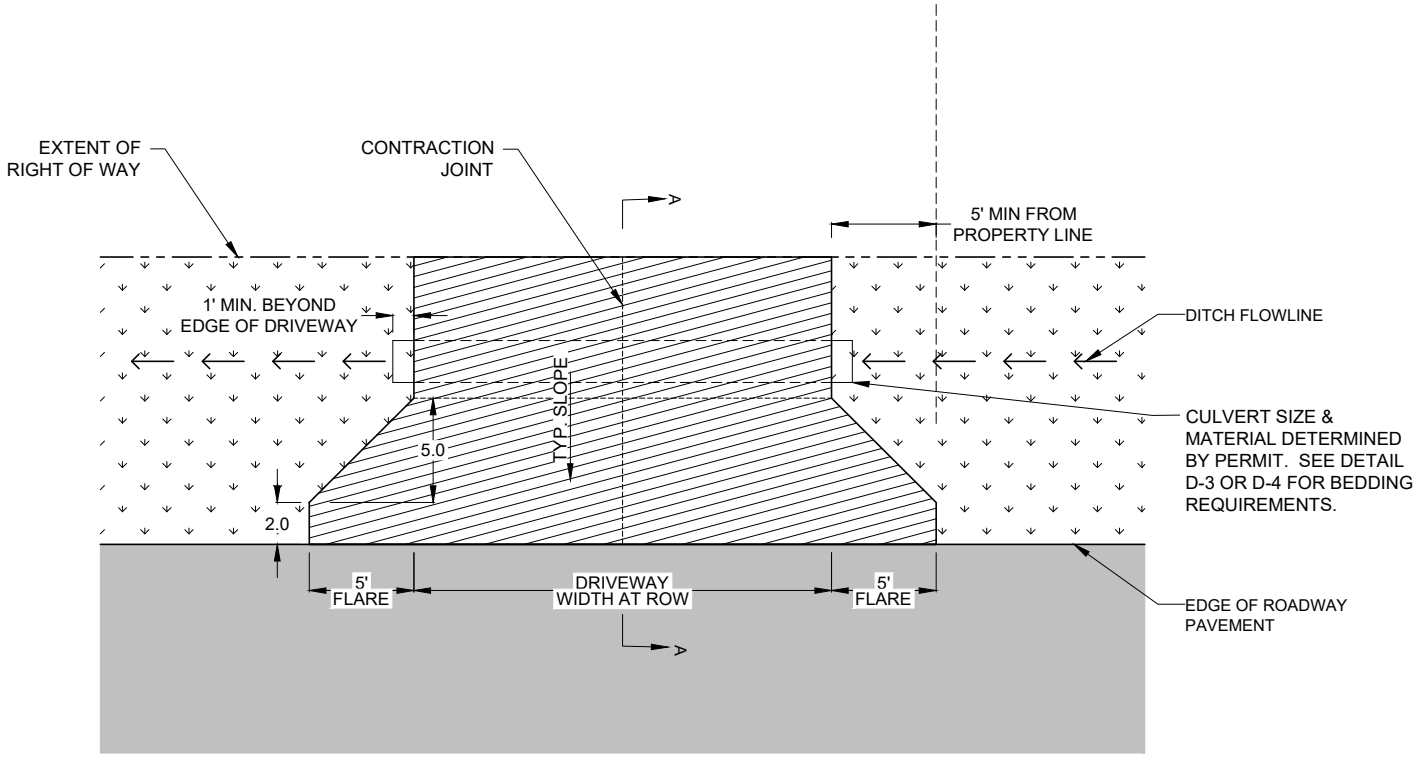
1. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK OPPOSITE THE STREET.
2. CONCRETE TO BE SAW-CUT OR PLACE A TOOL JOINT AT THE CENTER OF DRIVE AND SEALED. IF POSSIBLE CONTRACTOR SHALL TRY TO ALIGN THE JOINT AT THE CENTER OF THE DRIVE WITH THE A JOINT IN THE ADJACENT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

CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***DRIVEWAY DETAILS*** | | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: **STANDARD RESIDENTIAL DRIVEWAY (CURB & GUTTER)** | | REVISED ---- ---- ---- ---- ---- | **DW-2** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: DW-2 DRIVEWAY (RESIDENTIAL).dwg | |




## SECTION A-A
N.T.S.




## PLAN VIEW
N.T.S.

NOTES:

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

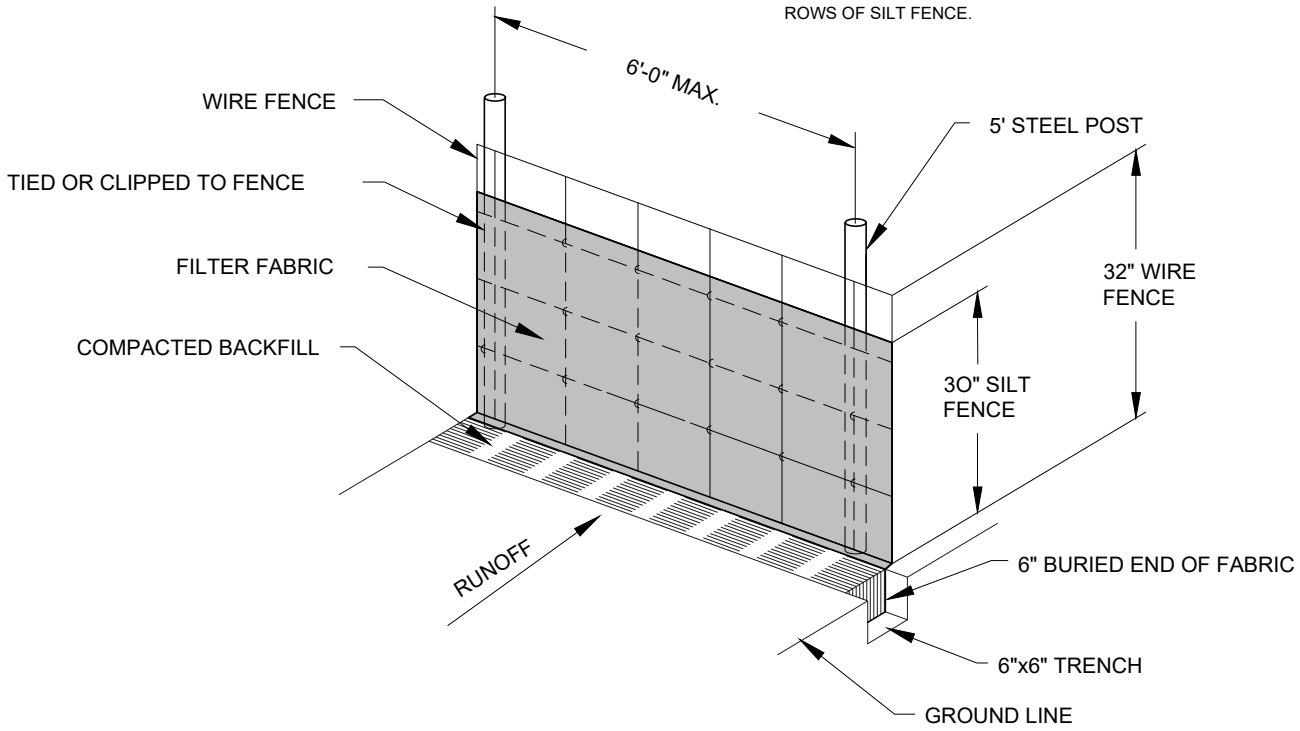
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***DRIVEWAY DETAILS*** | | DATE: SEPTEMBER 2017 | SHEET: |
| DESCRIPTION: **STANDARD RESIDENTIAL DRIVEWAY (OPEN DITCH)** | | REVISED ---- ---- ---- ---- ---- | **DW-3** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: DW-3 DRIVEWAY (OPEN DITCH).dwg | |

| 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

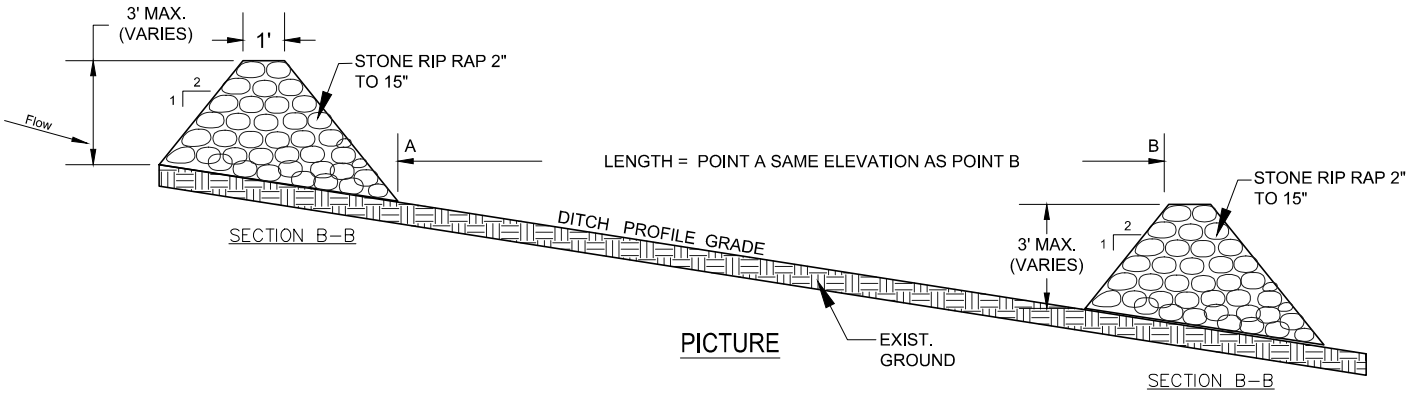
1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR 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.

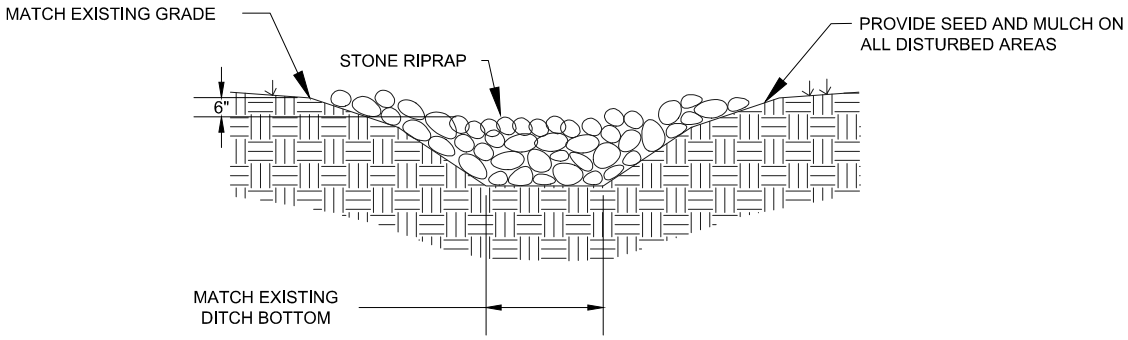
# WIRE REINFORCED SILT FENCE

N.T.S.

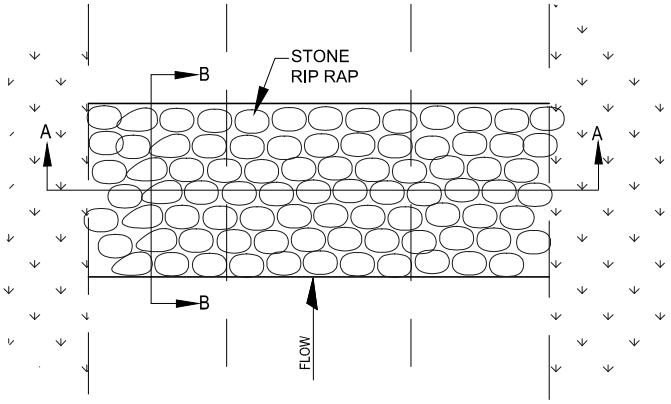
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| TITLE: | EROSION CONTROL DETAILS | DATE: FEBRUARY 2017 | SHEET: |
|---|---|---|---|
| DESCRIPTION: | WIRE REINFORCED SILT FENCE | REVISED ---- ---- ---- ---- ---- | EC-1 |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME:EC-1 WIRE REINFORCED SILT FENCE.dwg | |




SECTION A-A




PLAN VIEW

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:

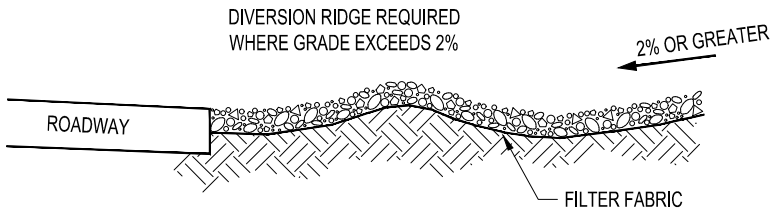
- INSPECT ROCK DITCH CHECKS EVERY (7) CALENDAR DAYS AND WITH-IN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2" PRECIPITATION.
- SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/2 THE ORIGINAL CHECK HEIGHT
- IN THE CASE OF GRASS-LINED DITCHES OR SWALES, ROCK DITCH CHECKS SHOULD BE REMOVED WHEN THE 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

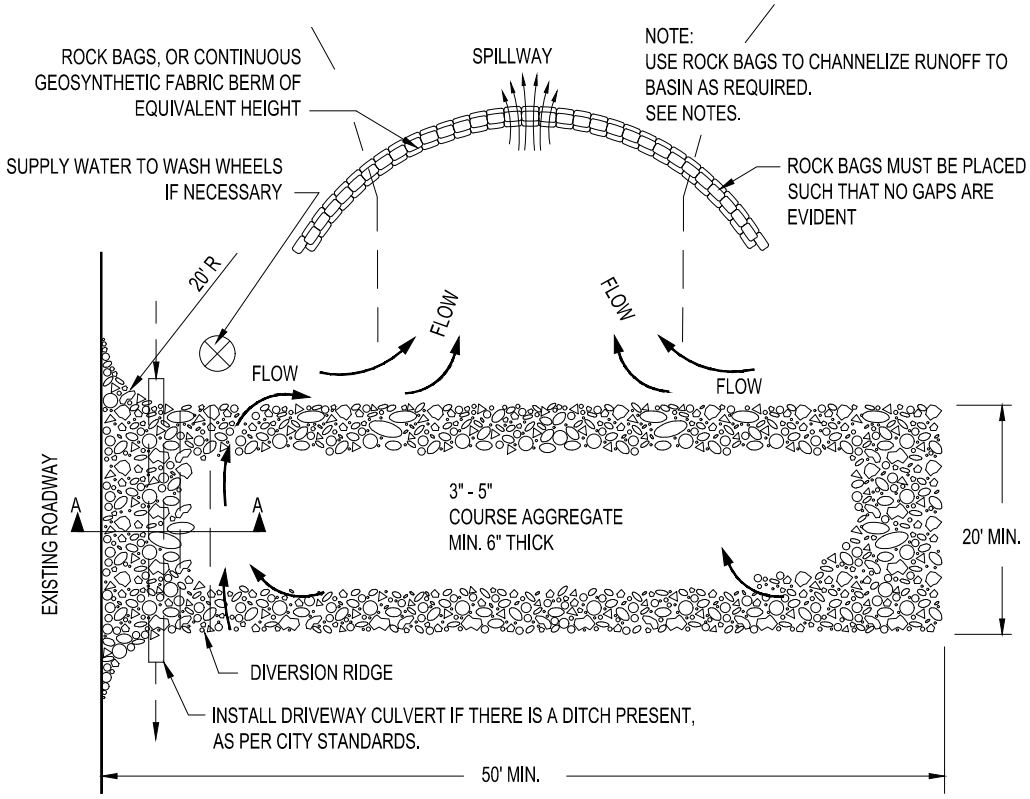
N.T.S.

CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: *EROSION CONTROL DETAILS* | | DATE: MAY 2017 | SHEET: |
| DESCRIPTION: **ROCK CHECK DAM** | | REVISED ---- | **EC-2** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: EC-2 ROCK CHECK DAM.dwg | |




SECTION A -- A




PLAN

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 STREET &
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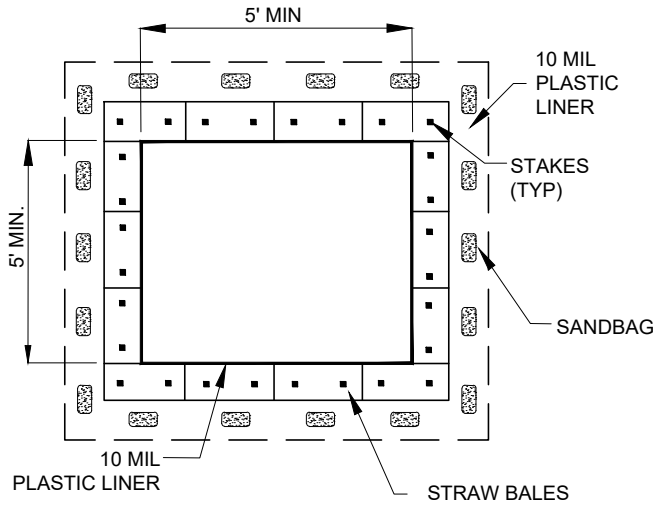
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

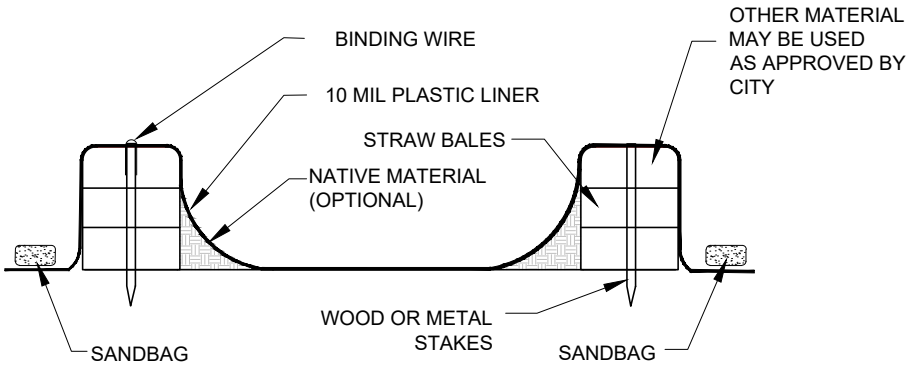
| | | | |
|---|---|---|---|
| TITLE: *EROSION CONTROL DETAILS* | | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: **STABILIZED CONSTRUCTION EXIT** | | REVISED ---- ---- ---- ---- ---- | **EC-3** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: EC-3 CONSTRUCTION EXIT.dwg | |

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



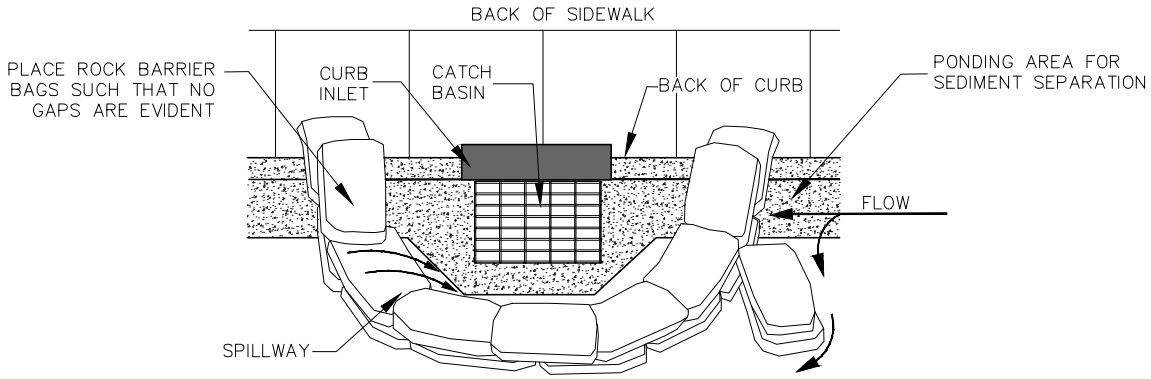

SECTION

# CONCRETE WASHOUT

N.T.S.

CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: *EROSION CONTROL DETAILS* | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **CONCRETE WASHOUT** | | ---- | **EC-4** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: EC-4 CONCRETE WASHOUT.dwg | ---- |




NOTES:

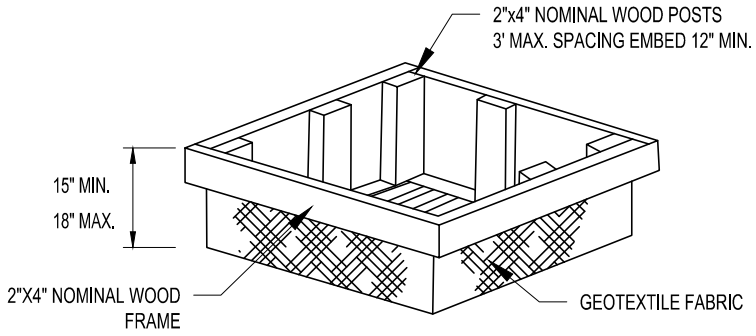
1. BAGS OF WOVEN GEOTEXTILE FABRIC, FILLED WITH GRAVEL MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
2. LEAVE ONE SANDBAG GAP IN THE TOP ROW ON THE SIDE AWAY FROM FLOW, TO PROVIDE A SPILLWAY; OR IN THE CENTER IF PONDING IS NEEDED ON BOTH SIDES.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM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

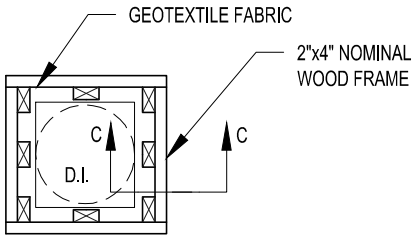
# CURB INLET PROTECTION

N.T.S.

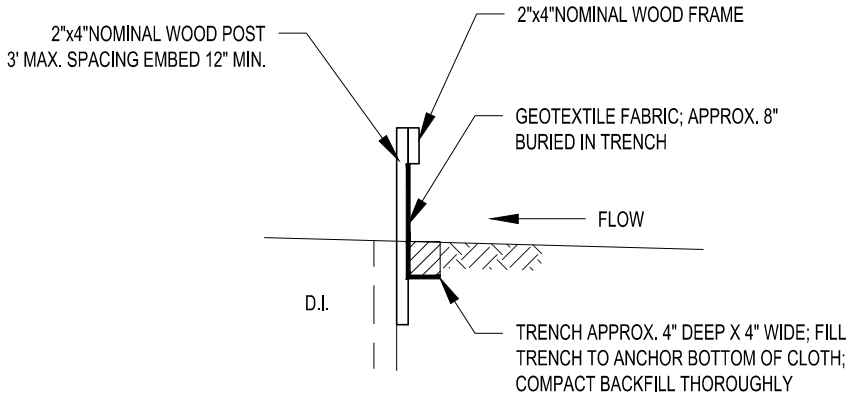
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: *EROSION CONTROL DETAILS* | | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: **CURB INLET PROTECTION** | | REVISED ---- ---- ---- ---- ---- | **EC-5** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: EC-5 CURB INLET PROTECTION.dwg | |




PLAN



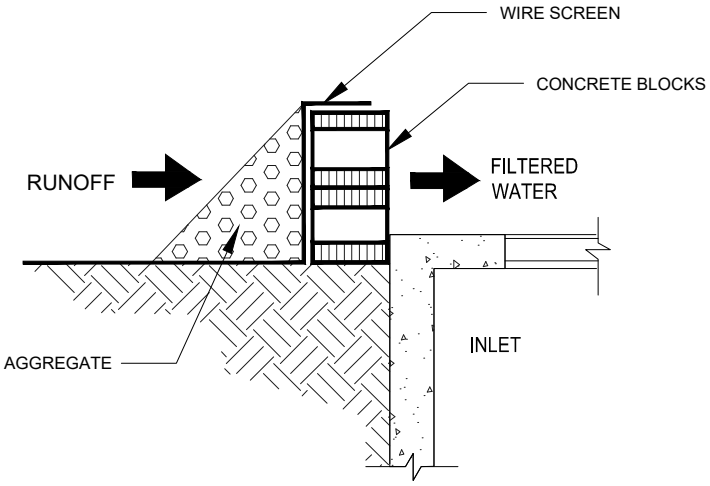

SECTION C-C

# SILT FENCE AT DROP INLET

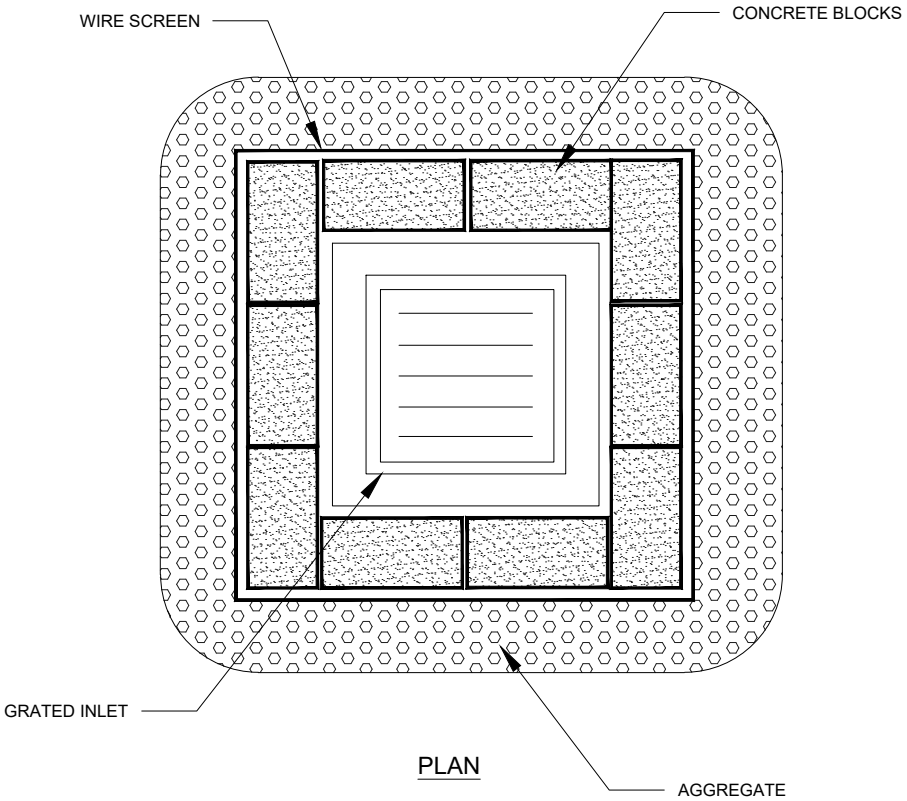
N.T.S.

CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: *EROSION CONTROL DETAILS* | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **SILT FENCE AT DROP INLET** | | ---- | **EC-6** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: EC-6 DROP INLET SILT FENCE.dwg | ---- |




SECTION




PLAN

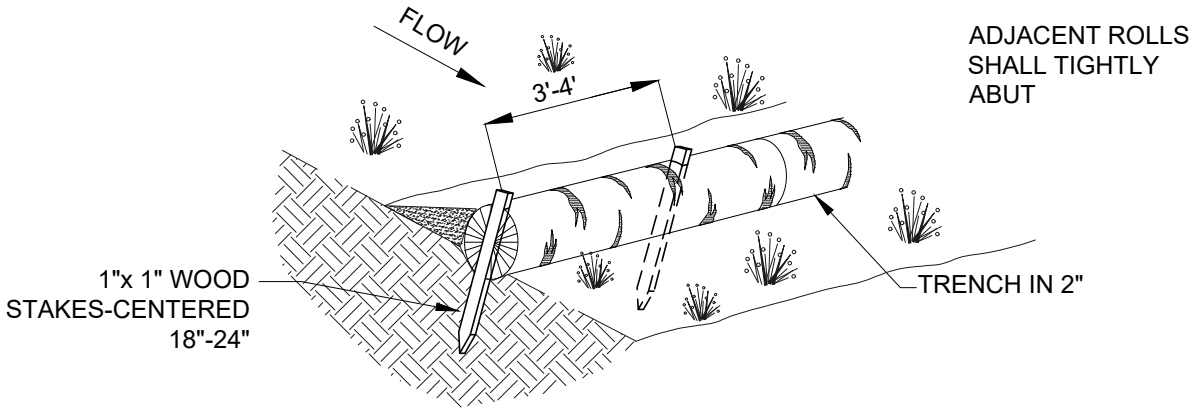
# BLOCK & STONE INLET PROTECTION

N.T.S.

CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: *EROSION CONTROL DETAILS* | | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: **BLOCK & STONE INLET PROTECTION** | | REVISED ---- ---- ---- ---- ---- | **EC-7** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: EC-7 BLOCK & STONE INLET PROTECTION.dwg | |

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




INSTALLATION NOTES

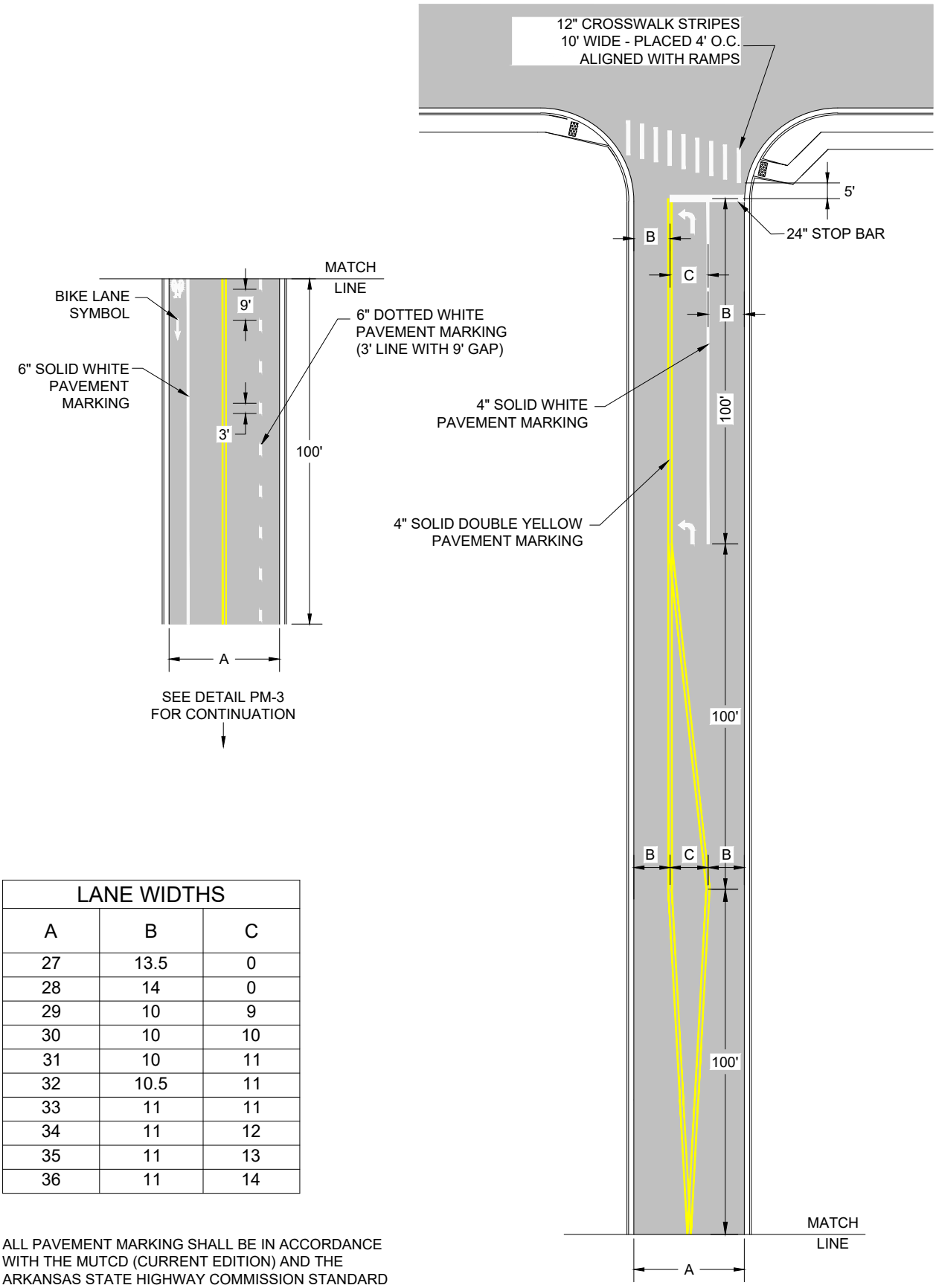
1. WATTLES SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER.
2. NOT FOR USE IN CONCENTRATED FLOW AREAS.
3. THE WATTLES SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF TWO (2) INCHES.
4. WATTLES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. ON SLOPES, WATTLES SHOULD BE INSTALLED ON 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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***EROSION CONTROL DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **WATTLE** | ---- | **EC-8** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: EC-8 WATTLE.dwg | |




| LANE WIDTHS | | |
|---|---|---|
| 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 STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

TITLE: ***STREET DETAILS***

DESCRIPTION: **TYPICAL INTERSECTION**

DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: PM-1 BIKE STRIPING INTERSECTION.dwg

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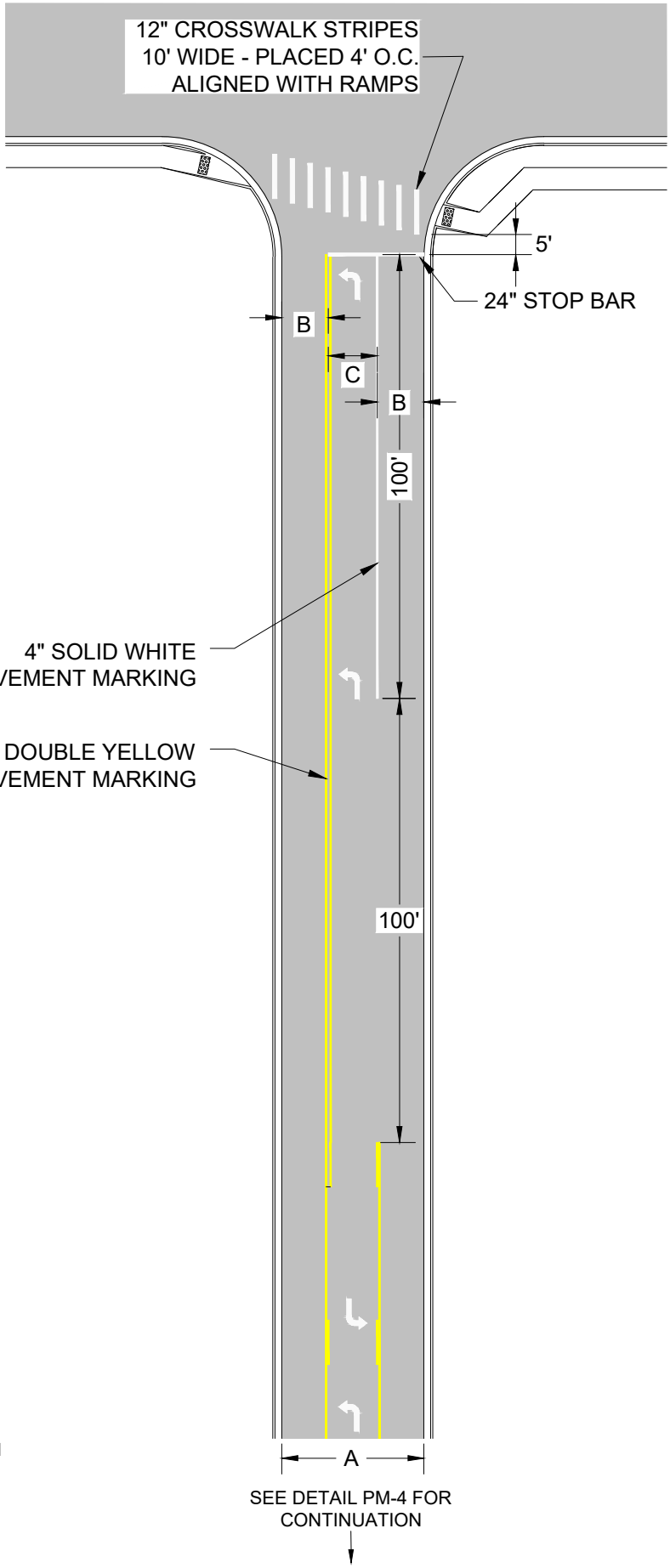
SHEET: **PM-1**




| LANE WIDTHS | | |
|---|---|---|
| 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 | 11.5 | 13 |

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 STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

TITLE: ***STREET DETAILS***

DESCRIPTION: **TYPICAL TWLTL AT INTERSECTION**

DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: PM-2 TWLTL STRIPING INTERSECTION.dwg

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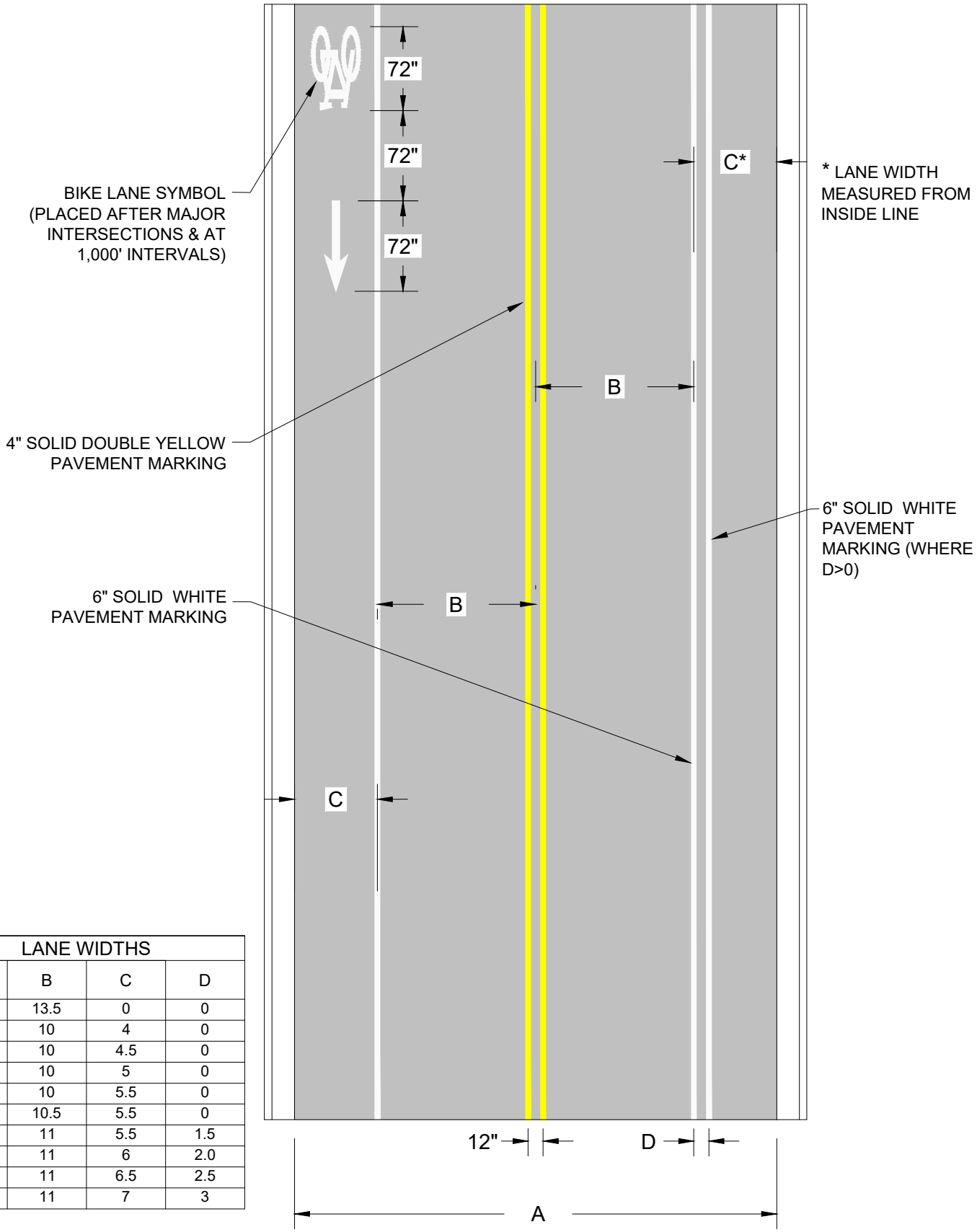
SHEET: **PM-2**




| LANE WIDTHS | | | |
|---|---|---|---|
| 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 | 0 |
| 32 | 10.5 | 5.5 | 0 |
| 33 | 11 | 5.5 | 1.5 |
| 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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

TITLE: ***STREET DETAILS***

DESCRIPTION: **TYPICAL BIKE LANE STRIPING**

DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: PM-3 BIKE LANE STRIPING DETAIL.dwg

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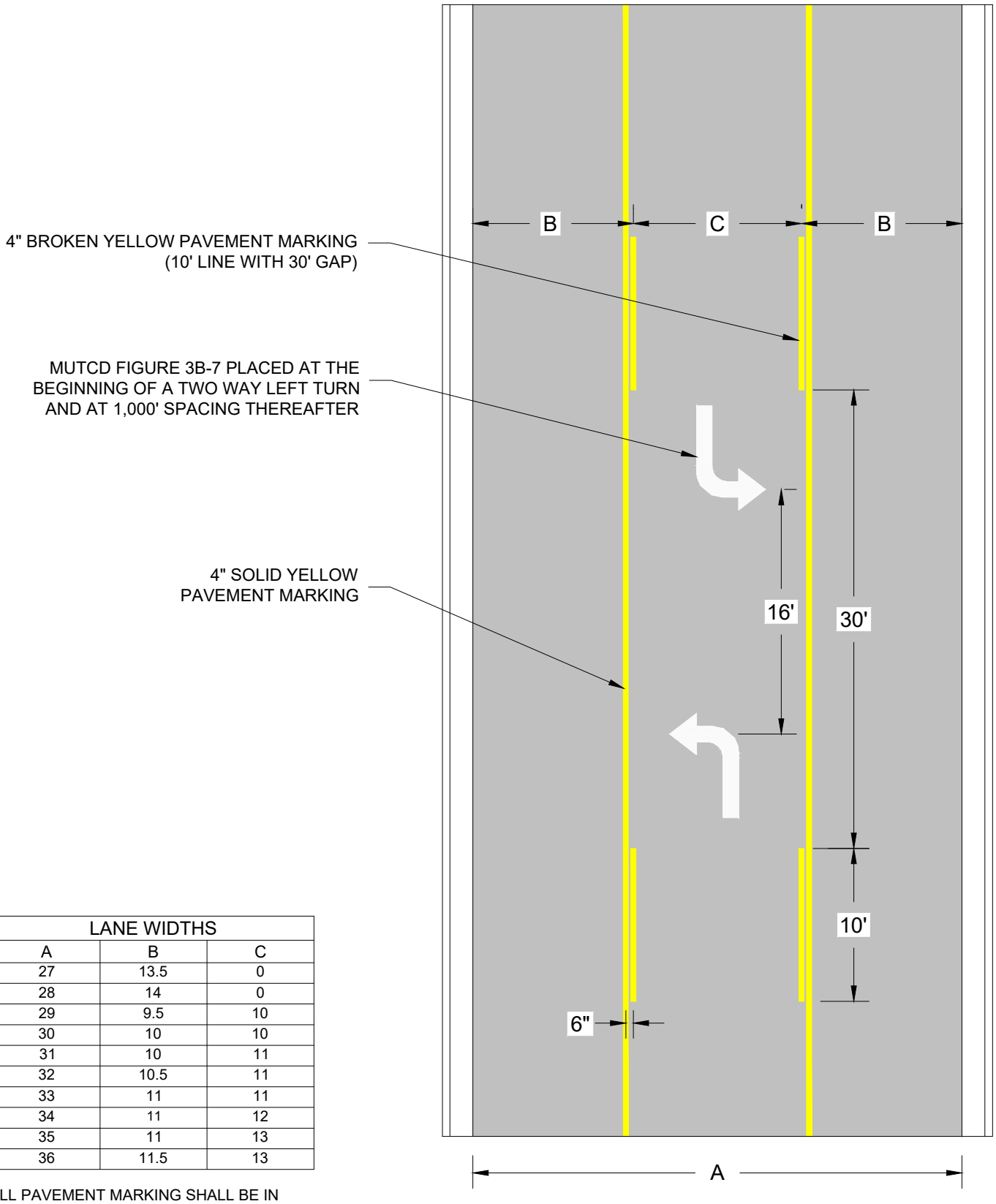
SHEET: **PM-3**




| LANE WIDTHS | | |
|---|---|---|
| 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 | 11.5 | 13 |

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 STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

TITLE: ***STREET DETAILS***

DESCRIPTION: **TYPICAL TWLTL**

DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: PM-4 TWLTL STRIPING DETAIL.dwg

DATE: FEBRUARY 2017
REVISED
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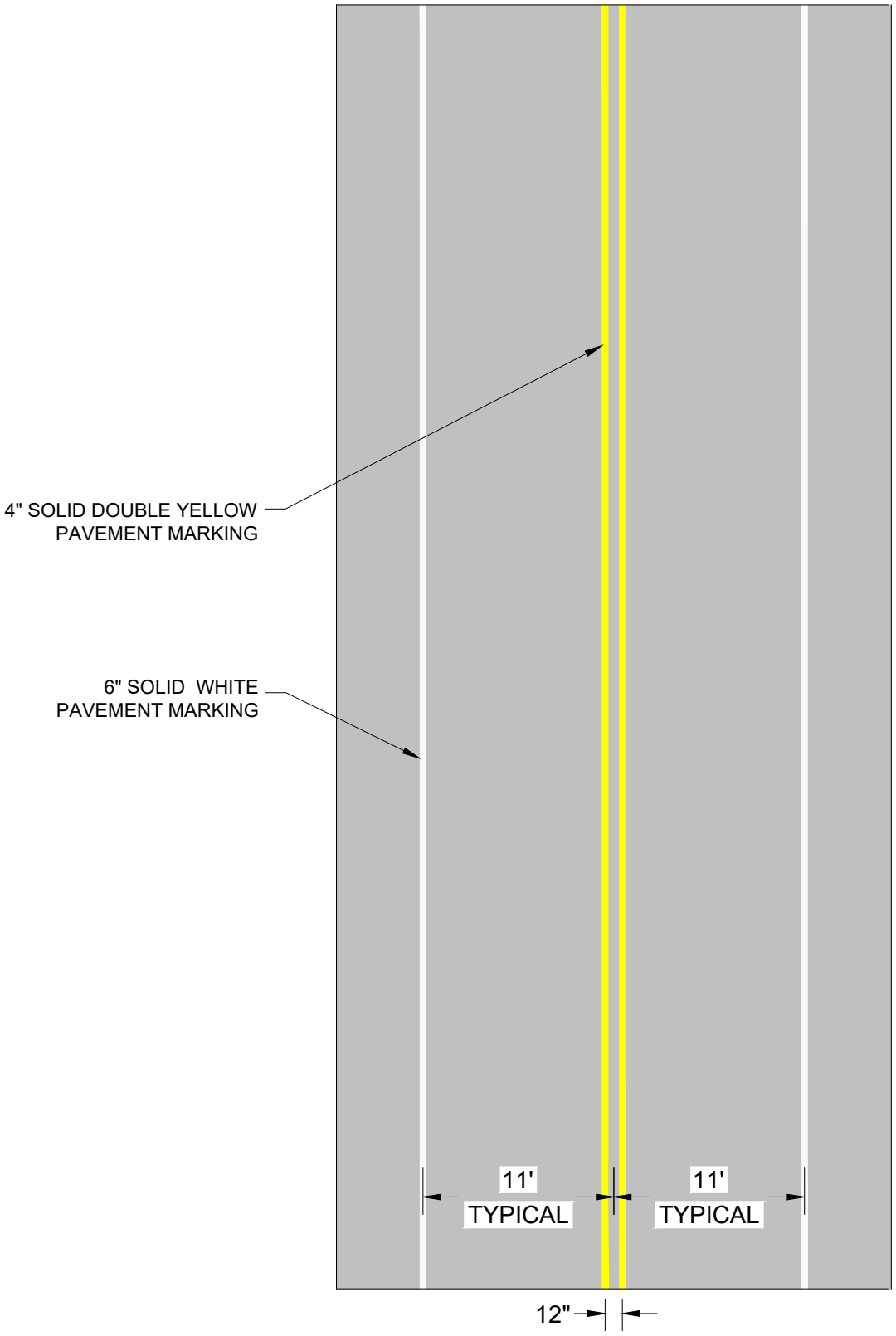
SHEET: **PM-4**




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 STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

TITLE: ***STREET DETAILS***

DESCRIPTION: **TYPICAL OPEN DITCH ROAD STRIPING**

DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: PM-5 OPEN DITCH STRIPING DETAIL.dwg

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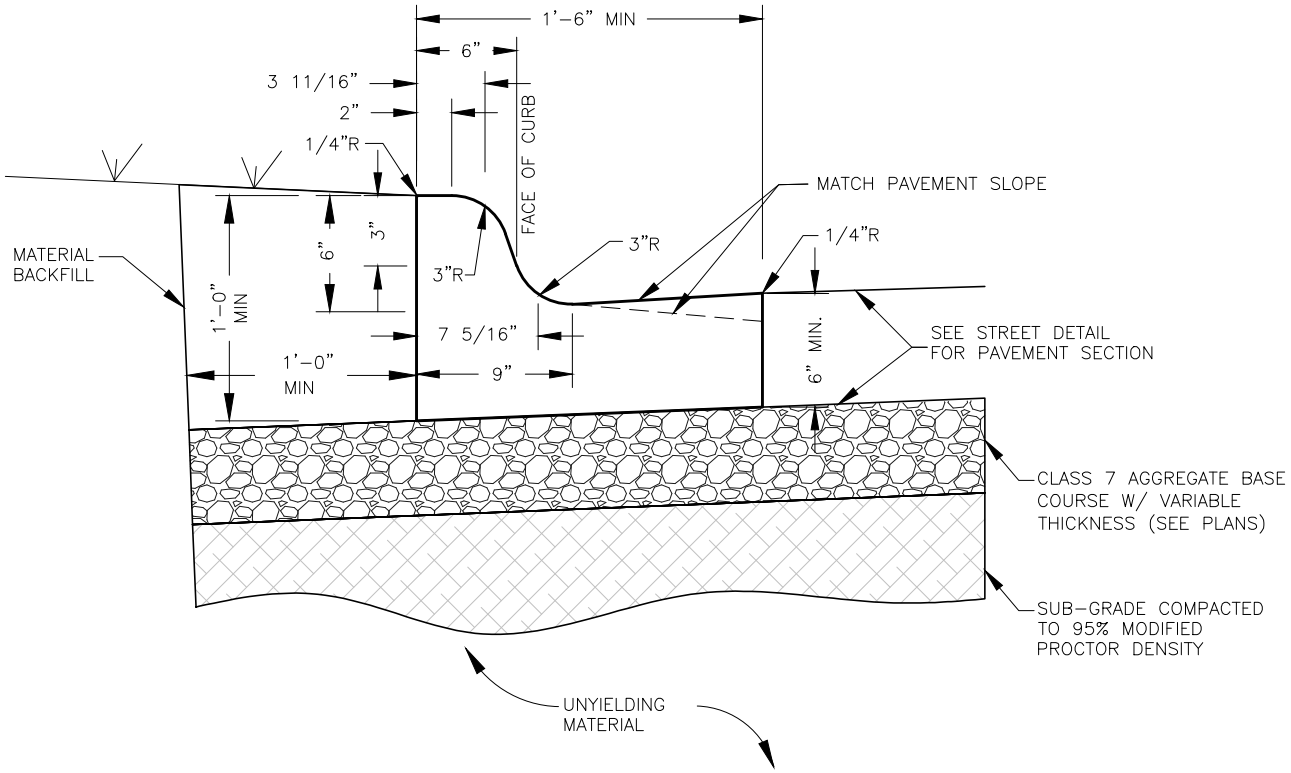
SHEET: **PM-5**

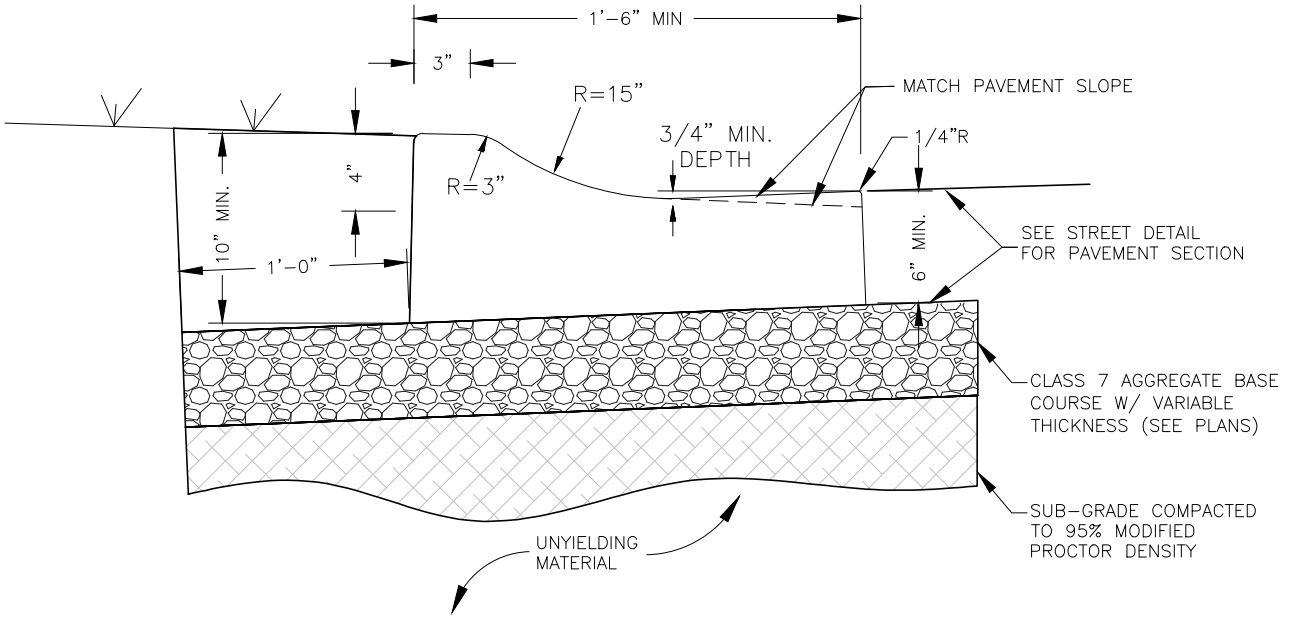



CURB & GUTTER NOTES:

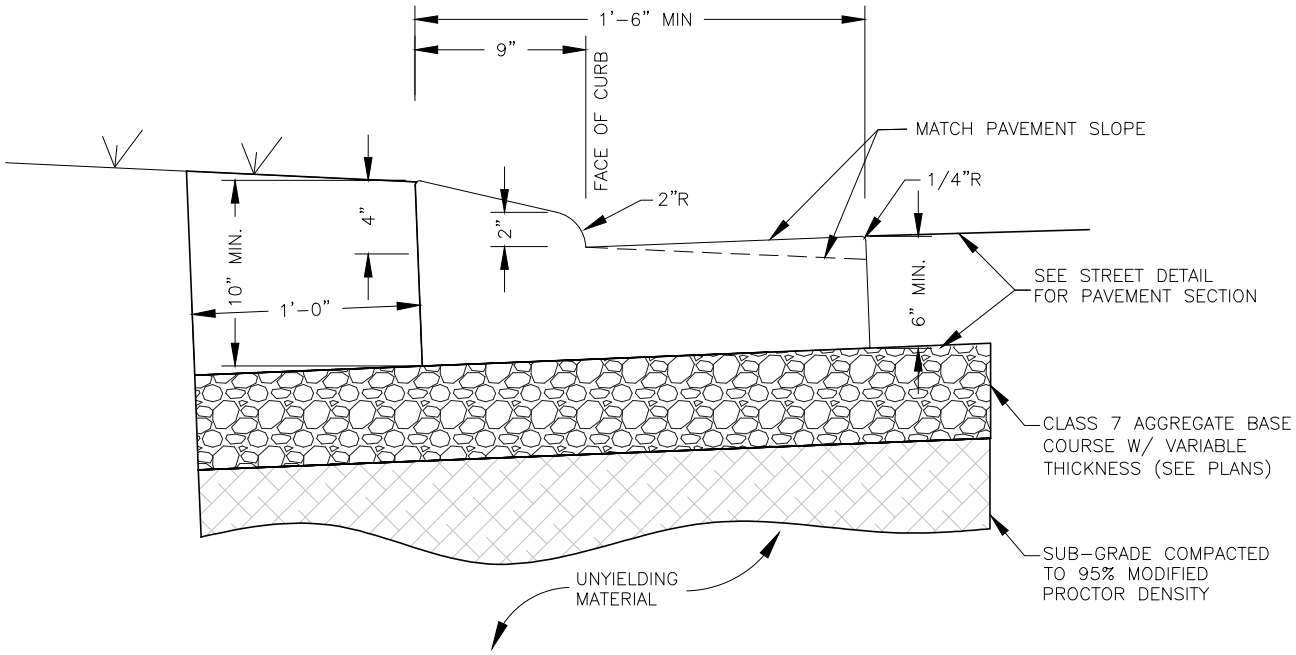
1. CONTRACTION JOINTS SHALL BE 1/8" TO 3/8" X 1 1/2" AT 15 FT. INTERVALS. ALL CONTRACTION JOINTS AND COLD JOINTS SHALL BE FILLED WITH JOINT SEALANT TO FINISHED GRADE.
2. EXPANSION MATERIAL SHALL BE REQUIRED AT AT ALL STATIONARY STRUCTURES AND ENDS OF CURB RETURNS. THE EXPANSION MATERIAL SHALL BE 1/2" 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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***STREET DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **TYPE 'A" CURB & GUTTER** | ---- | **ST-1** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-1 CURB & GUTTER.dwg | ---- |




## OPTION A



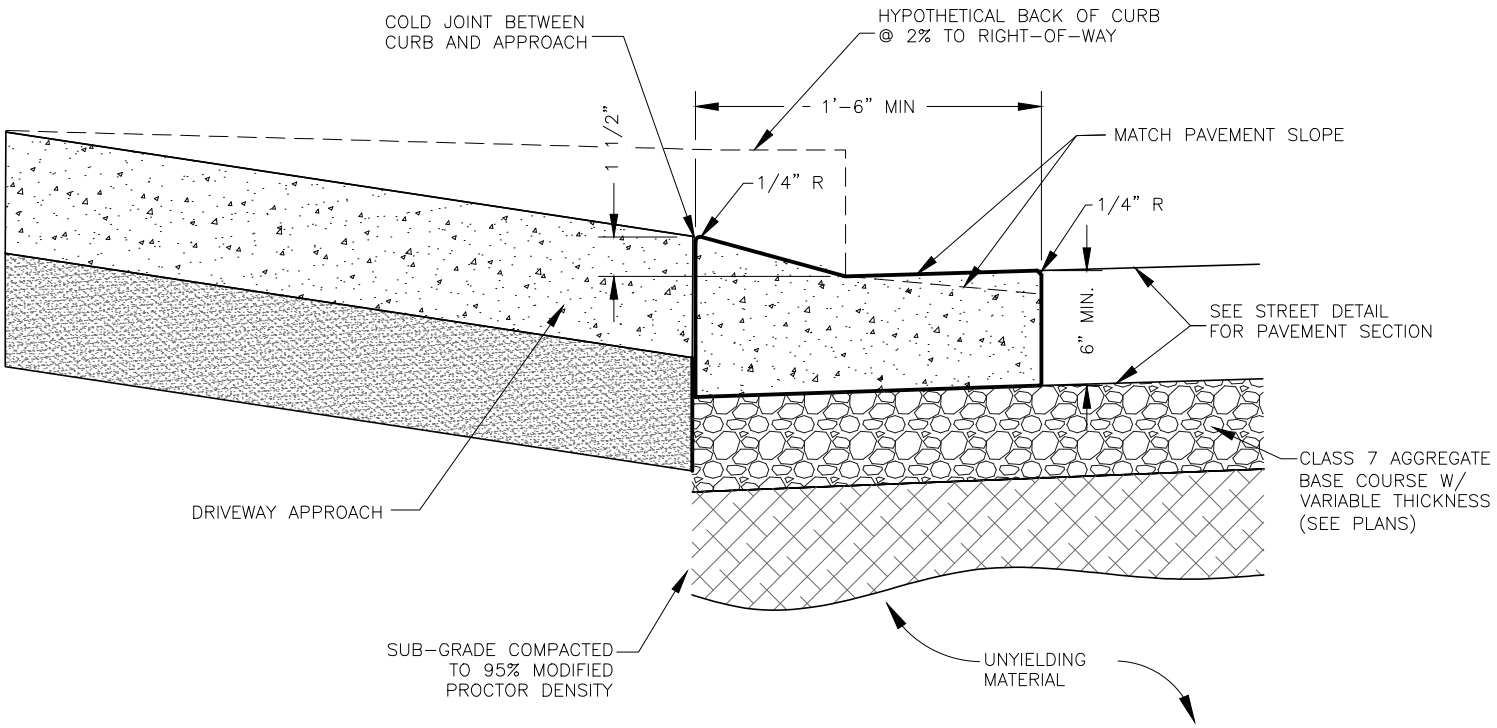

## OPTION B

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 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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: **STREET DETAILS** | | DATE: SEPTEMBER 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **4" CURB & GUTTER** | | ---- | **ST-1A** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-1A 4IN CURB & GUTTER.dwg | ---- |




CURB & GUTTER NOTES:

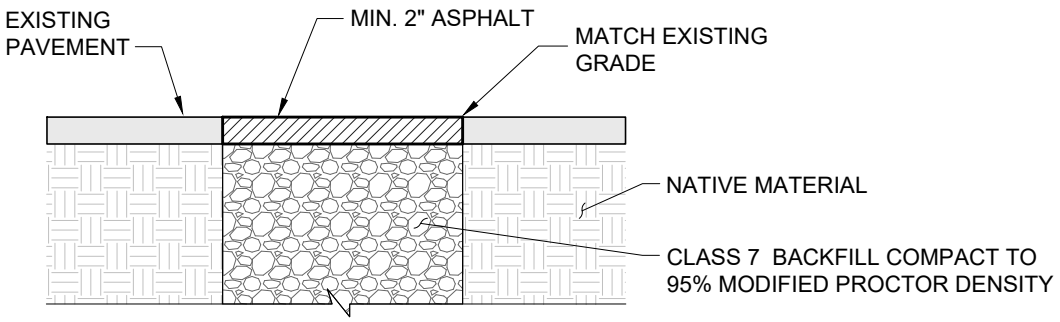
1. CONTRACTION JOINTS SHALL BE 1/8" TO 3/8" X 1 1/2" AT 15 FT. INTERVALS. ALL CONTRACTION JOINTS AND COLD JOINTS SHALL BE FILLED WITH JOINT SEALANT TO FINISHED GRADE.
2. EXPANSION MATERIAL SHALL BE REQUIRED AT AT ALL STATIONARY STRUCTURES AND ENDS OF CURB RETURNS. THE EXPANSION MATERIAL SHALL BE 1/2" 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 STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

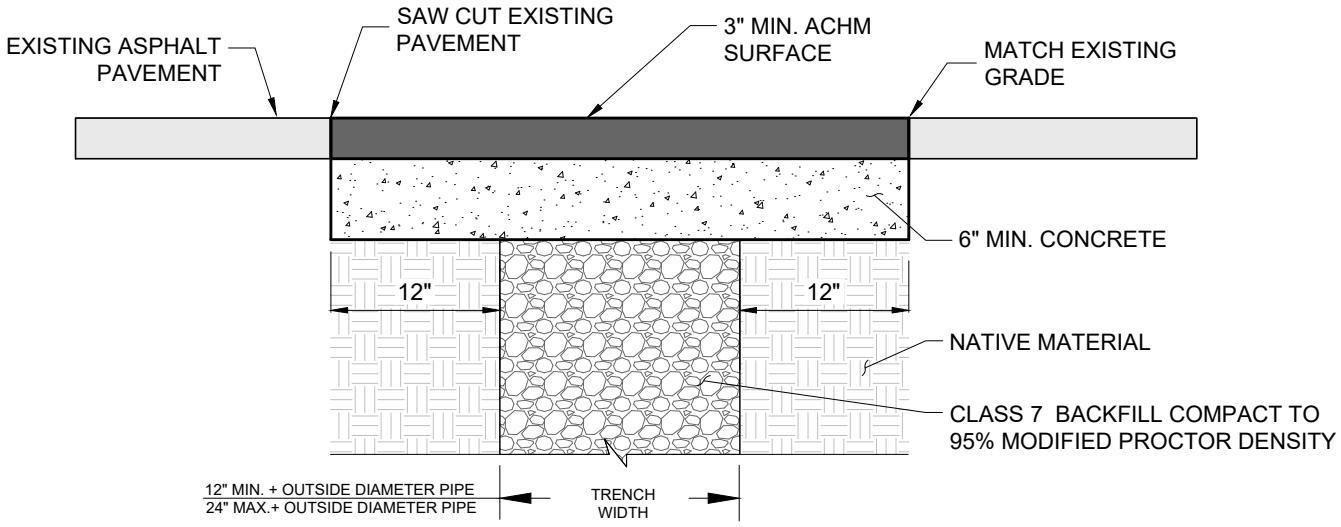
| | | | |
|---|---|---|---|
| TITLE: ***STREET DETAILS*** | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **MODIFIED CURB & GUTTER** | | ---- | **ST-2** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-2 MODIFIED CURB & GUTTER.dwg | ---- |

NOTES:

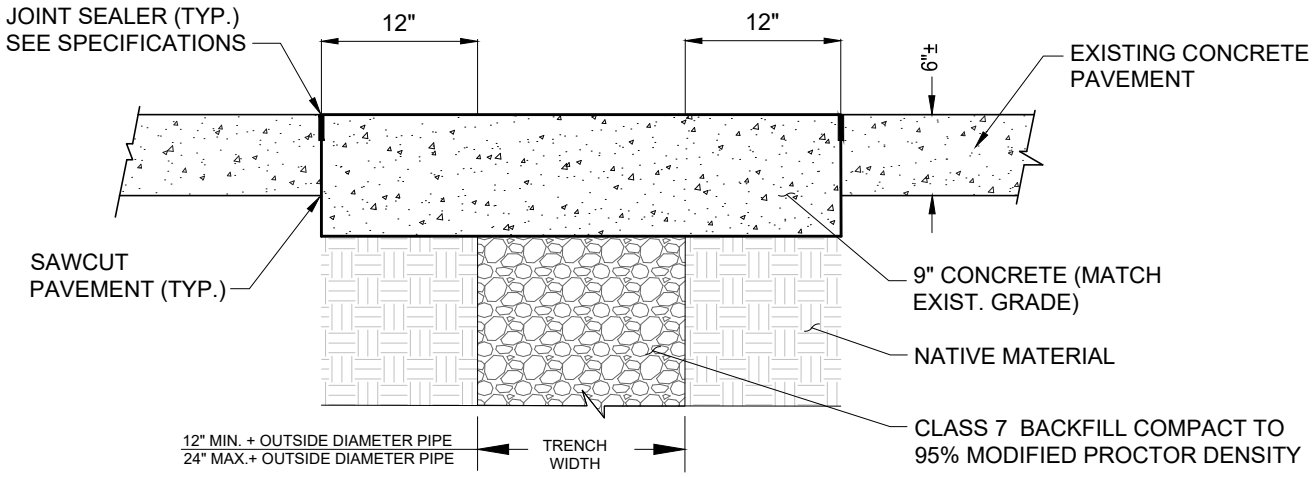
1. CONTRACTOR TO CONSTRUCT ALL TRENCH EXCAVATION IN ACCORDANCE WITH ALL OSHA REGULATIONS (29 CFR CH. XVII, SUBPART B).
2. ALL WORK MUST CONFORM TO SECTIONS 303 & 615 OF THE ARKANSAS HIGHWAY TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
3. ASPHALT FOR TEMPORARY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




TEMPORARY PAVEMENT REPAIR



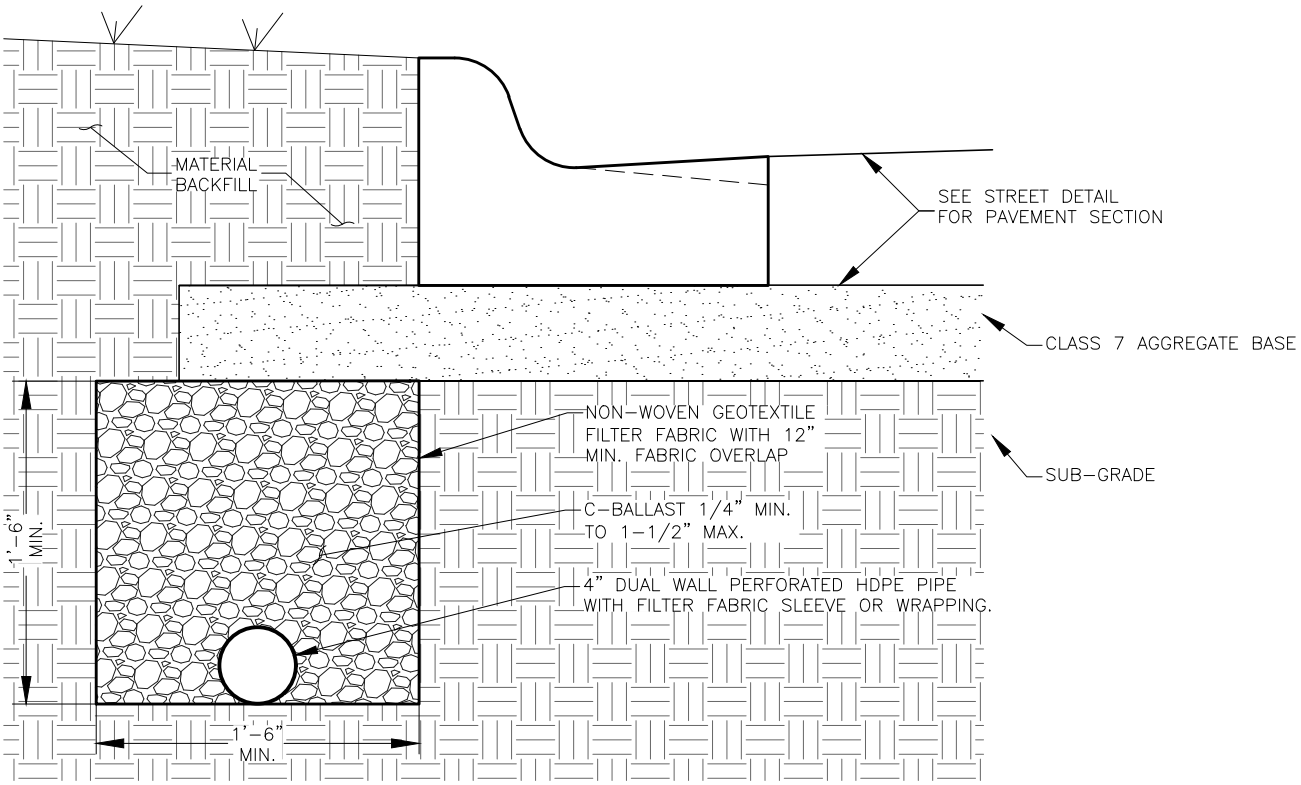

ASPHALT PAVEMENT REPAIR




CONCRETE PAVEMENT REPAIR

CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: **STREET DETAILS** | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **PAVEMENT REPAIR** | | ---- | **ST-3** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-3 PAVEMENT REPAIR.dwg | ---- |

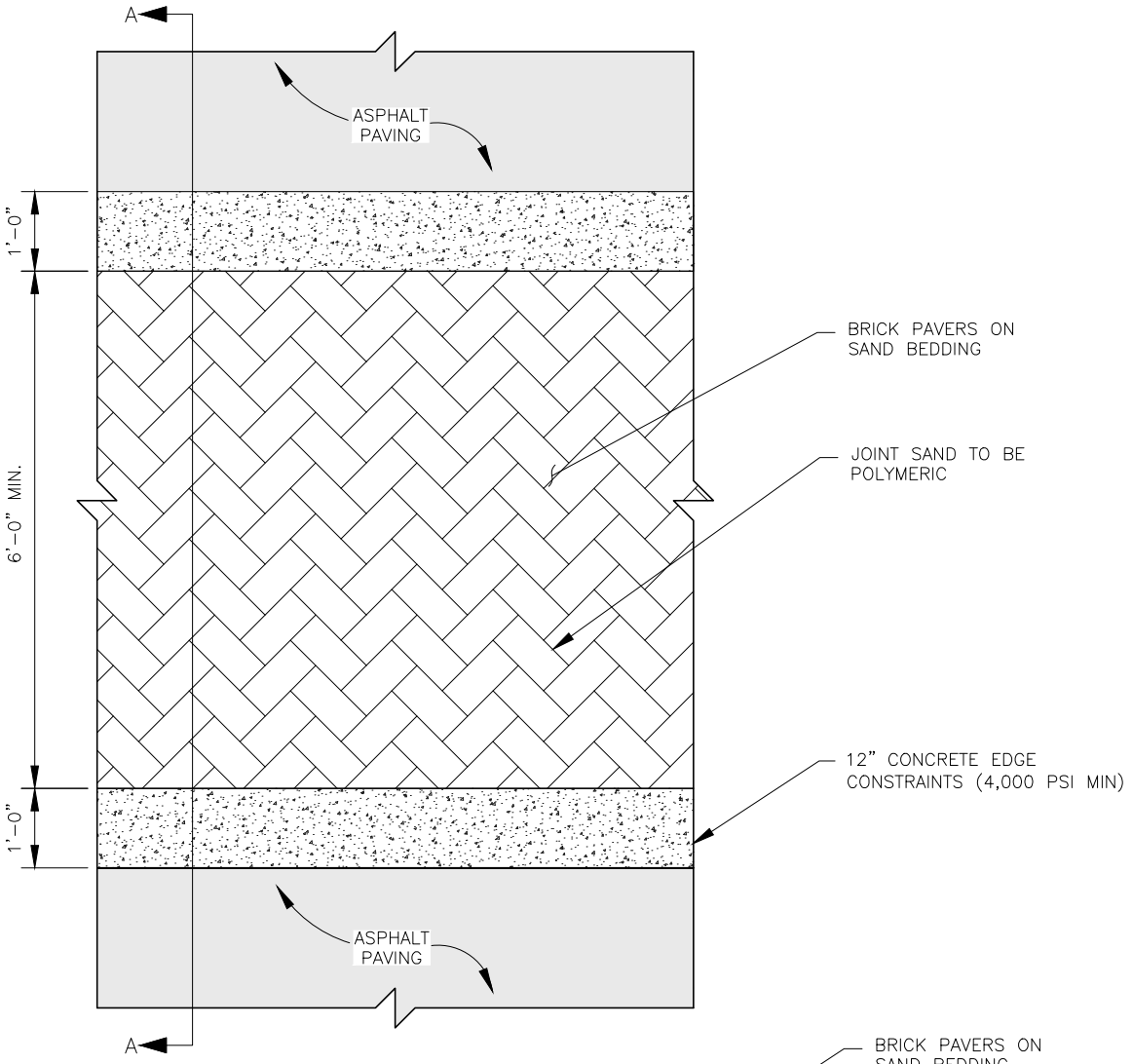



UNDERDRAIN NOTES:

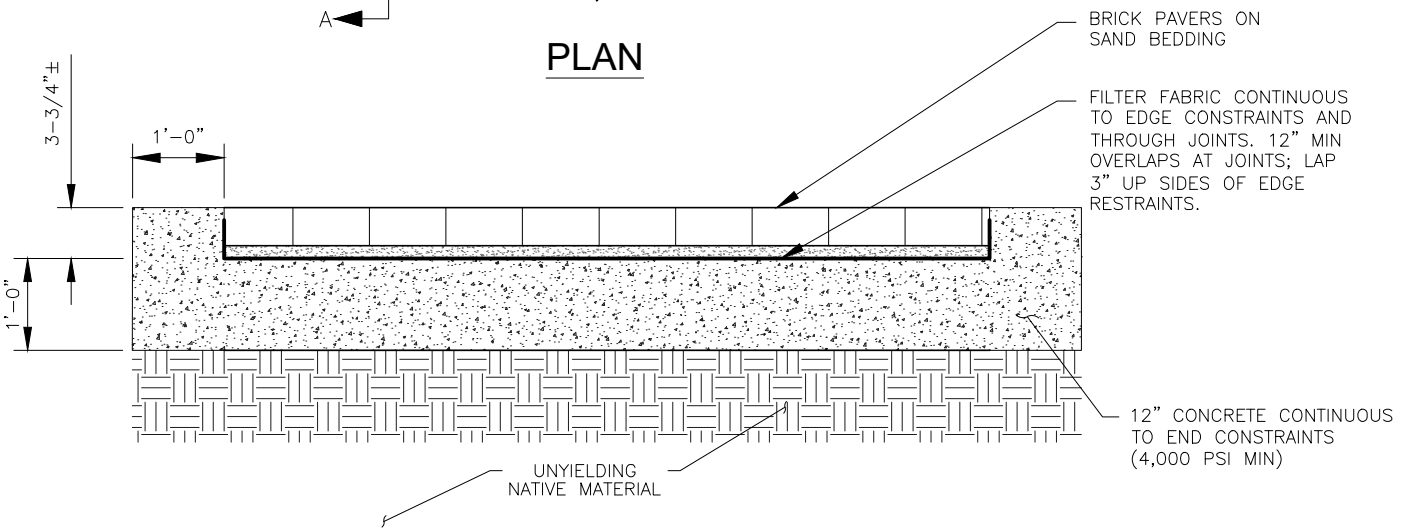
1. FINAL LOCATION OF UNDERDRAIN TO BE DETERMINED BY ENGINEER DURING CONSTRUCTION
2. RUNNING SLOPE TO MATCH ROADWAY PROFILE
3. DRAIN SHOULD TERMINATE AT DRAINAGE STRUCTURE

CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***STREET DETAILS*** | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **UNDERDRAIN** | | ---- | **ST-4** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-4 CURB UNDERDRAIN.dwg | ---- |




PLAN




SECTION A-A

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

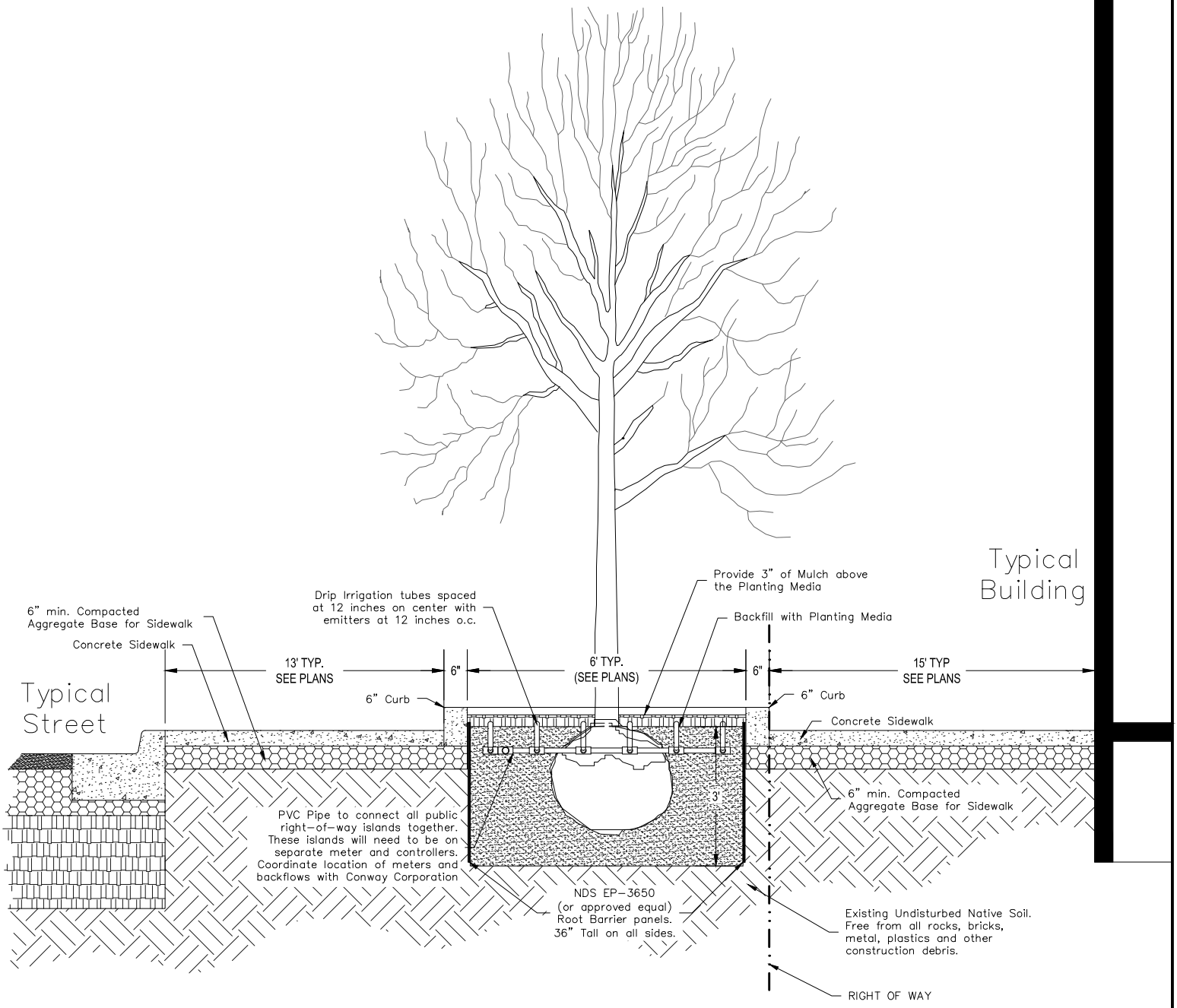
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***STREET DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **BRICK PAVER CROSSWALKS** | ---- | **ST-5** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-5 BRICK CROSSWALK.dwg | ---- |

SPECIES ALLOWED

Large Trees:
Ginko biloba – Ginko (Male)
Quercus shumardii – Shumard Oak
Quercus phellos – Willow Oak
Quercus acutissima – Sawtooth Oak
Quercus palustris – Pin Oak

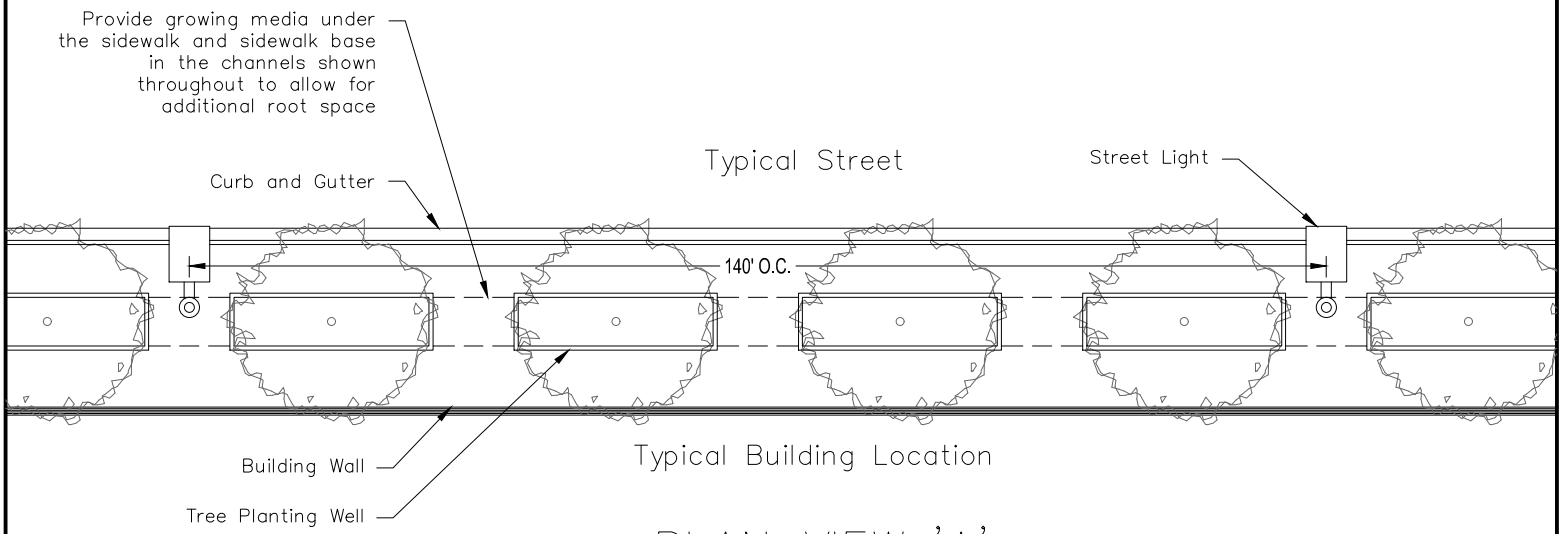
Medium Trees:
Nyssa sylvatica – Black Gum
Pistacia chinenesis – Chinese Pistache
Gleditsia triacanthos f. inermis 'Skycole'– Skyline Honeylocust
Gleditsia triacanthos f. inermis – Thornless Honeylocust



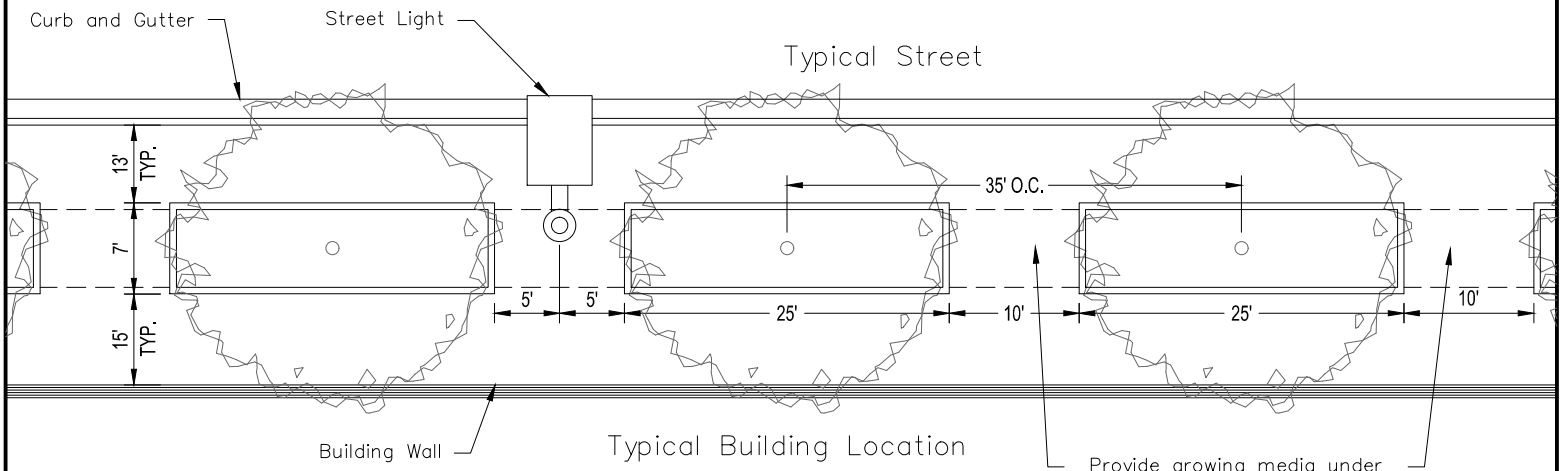

# OAK STREET AND HARKRIDER STREET
# DOWNTOWN PLANTING WELL
# CROSS SECTION


CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165


| | | | |
|---|---|---|---|
| TITLE: | ***STREET DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: | **STREET TREE PLANTING SECTION** | REVISED ---- ---- ---- ---- ---- | **ST-6** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-6 STREET TREE PLANTING SECTION.dwg | |




PLAN VIEW 'A'



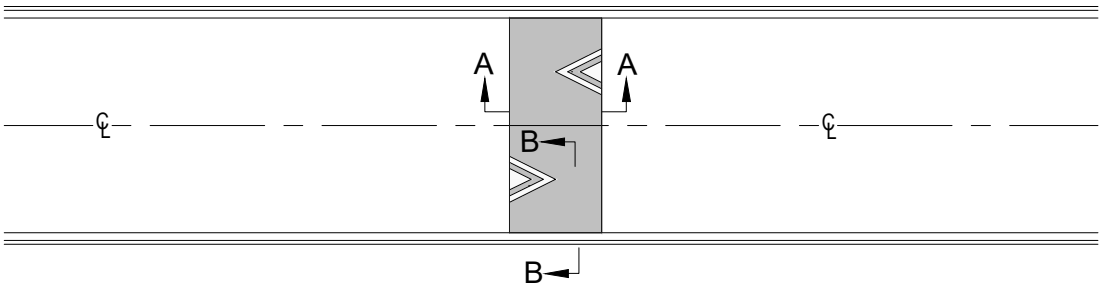

*Dims to face of planter curb unless otherwise noted

PLAN VIEW 'B'

# OAK STREET AND HARKRIDER STREET
# DOWNTOWN PLANTING WELL
# PLAN VIEW

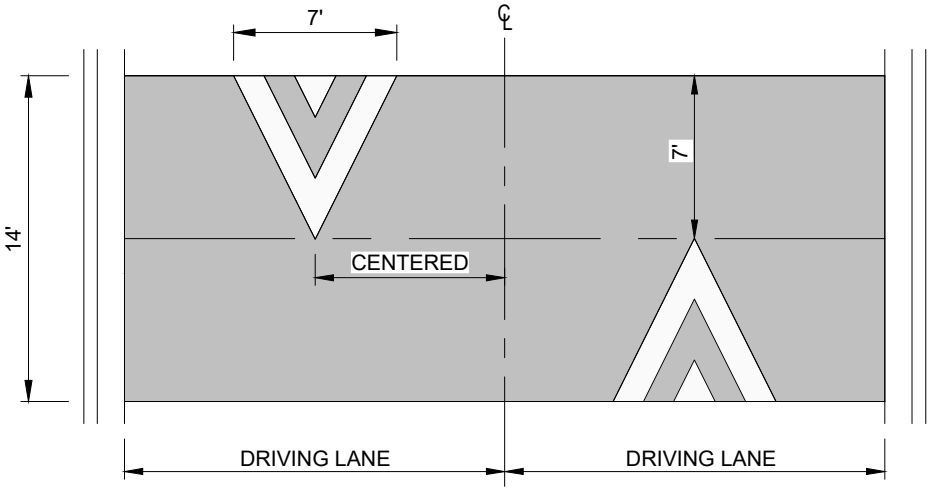
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***STREET DETAILS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **STREET TREE PLANTING PLAN** | ---- | **ST-7** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-7 STREET TREE PLANTING PLAN.dwg | ---- |

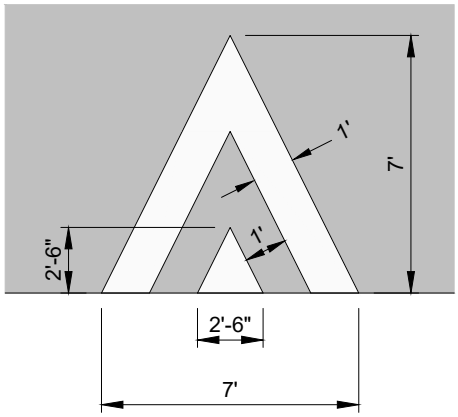



SPEED TABLE MARKING

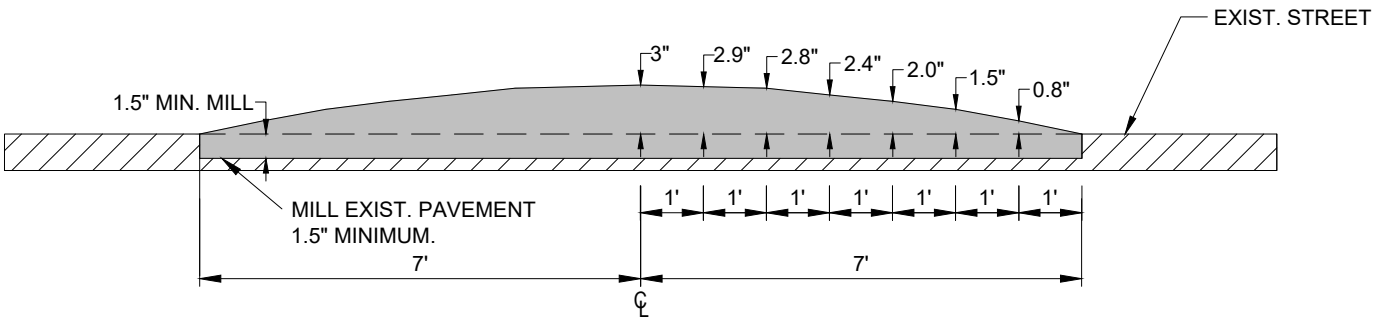
Not to Scale




MARKING DETAIL



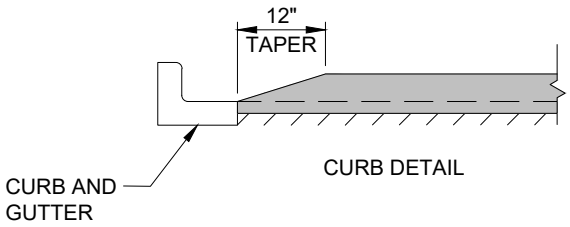

CHEVRON DETAIL




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 AHTD STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2014 EDITION.)




CURB DETAIL

# SPEED HUMP

N.T.S.

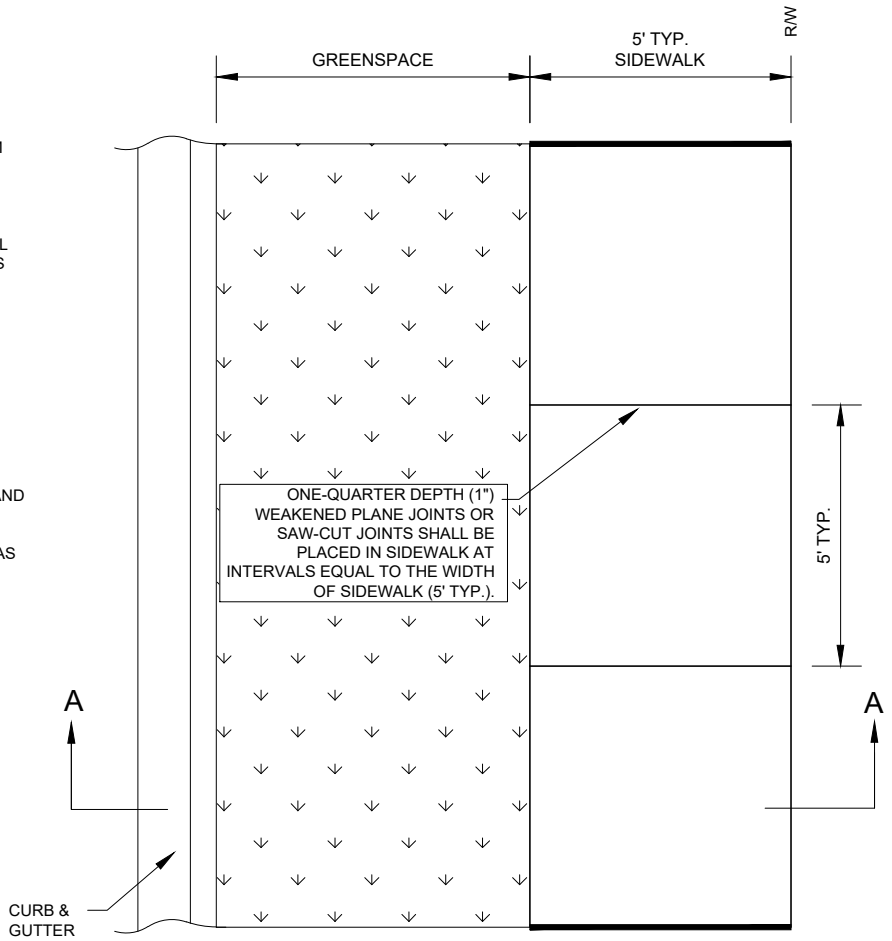
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72034
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: | ***STREET DETAILS*** | DATE: OCTOBER 2016 | SHEET: |
| DESCRIPTION: | **SPEED HUMP DETAIL** | REVISED | **ST-8** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: ST-8 SPEED HUMP DETAIL.dwg | |

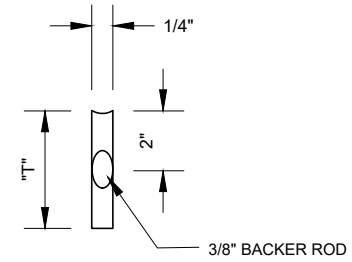
SIDEWALK CONSTRUCTION NOTES:

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.

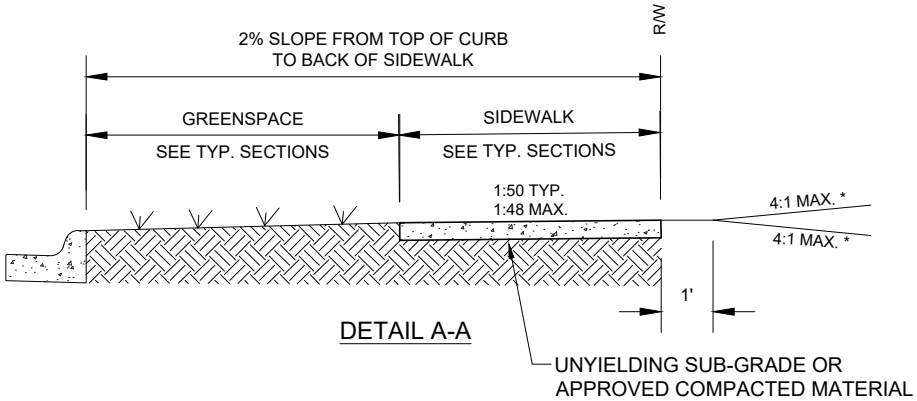



PLAN

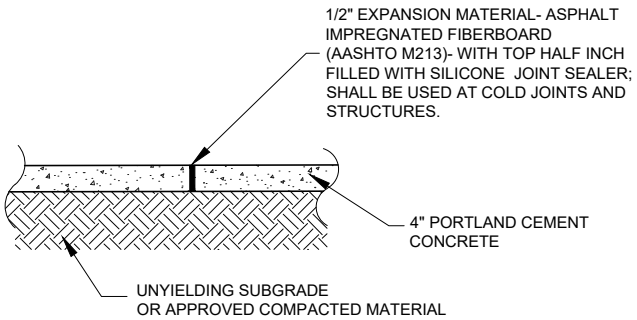



"T"=1/4 SLAB THICKNESS + 1/2"

JOINT SEALANT DETAIL




DETAIL A-A



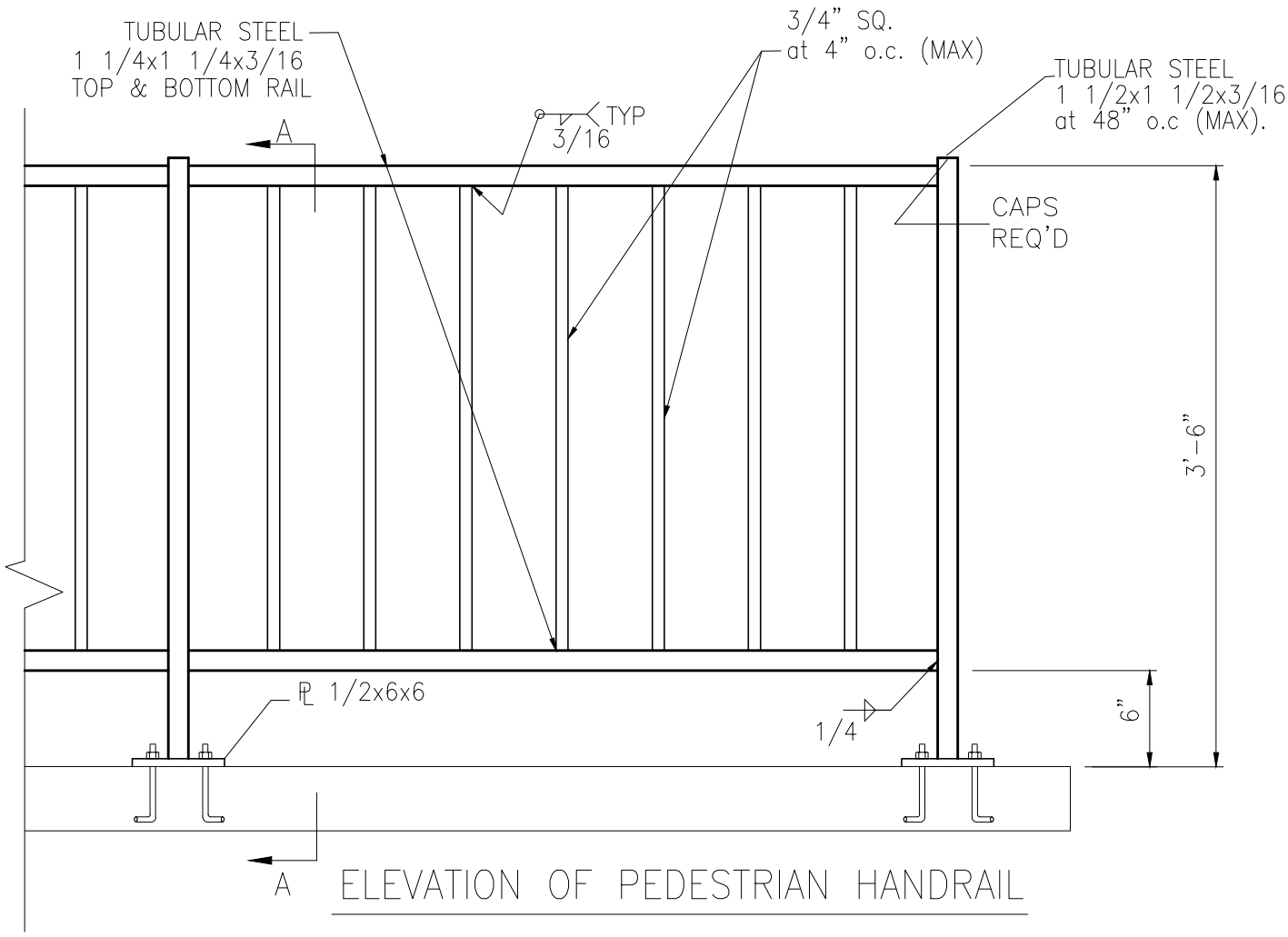

ELEVATION

* SEE "DRIVEWAY DETAILS" FOR SIDEWALK SECTION THROUGH DRIVEWAY

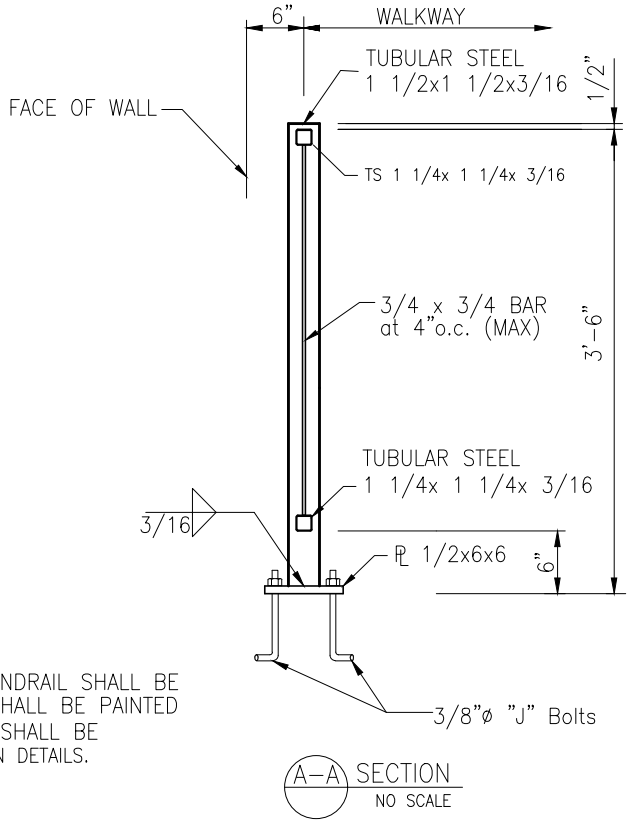
EXCAVATION PERMIT REQUIRED TO EXCEED 4:1 MAX SLOPE


CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165


| | | | |
|---|---|---|---|
| TITLE: ***SIDEWALK DETAILS*** | | DATE: FEBRUARY 2017 | SHEET: |
| DESCRIPTION: **SIDEWALK WITH GREENSPACE** | | REVISED ---- ---- ---- ---- ---- | **SW-1** |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: SW-1 SIDEWALK WITH GREENSPACE.dwg | |




ELEVATION OF PEDESTRIAN HANDRAIL

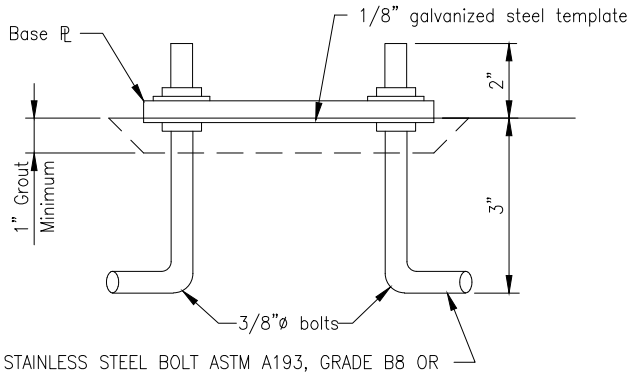



MATERIAL FOR PEDESTRIAN HANDRAIL SHALL BE AASHTO M270, GR. 36 AND SHALL BE PAINTED (BLACK). NUTS & WASHERS SHALL BE STAINLESS STEEL AS NOTED ON DETAILS.

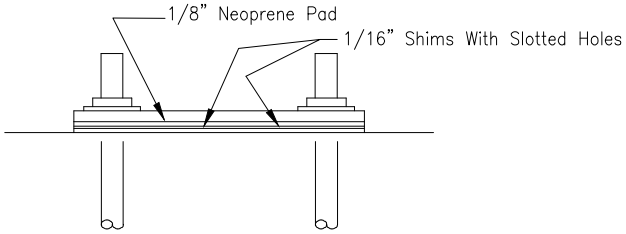
A–A SECTION
NO SCALE

CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: **SIDEWALK DETAILS** | | DATE: MAY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | | ---- | |
| **HANDRAIL** | | ---- | **SW-2** |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: SW-2 HANDRAIL.dwg | ---- |

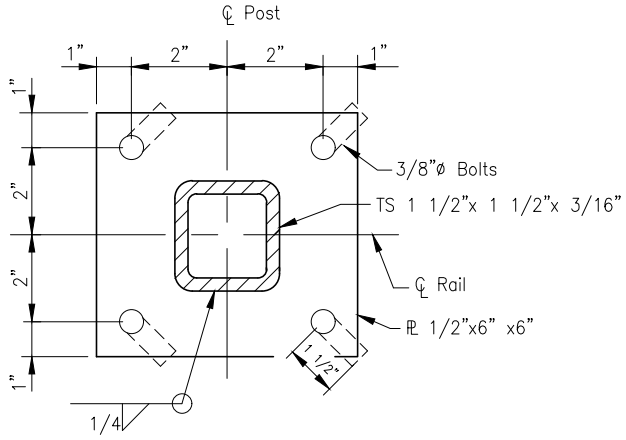



STAINLESS STEEL BOLT ASTM A193, GRADE B8 OR B8A STAINLESS STEEL NUT AASHTO M292, GRADE 8 STAINLESS STEEL WASHER ASTM A276, GRADE 302




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.

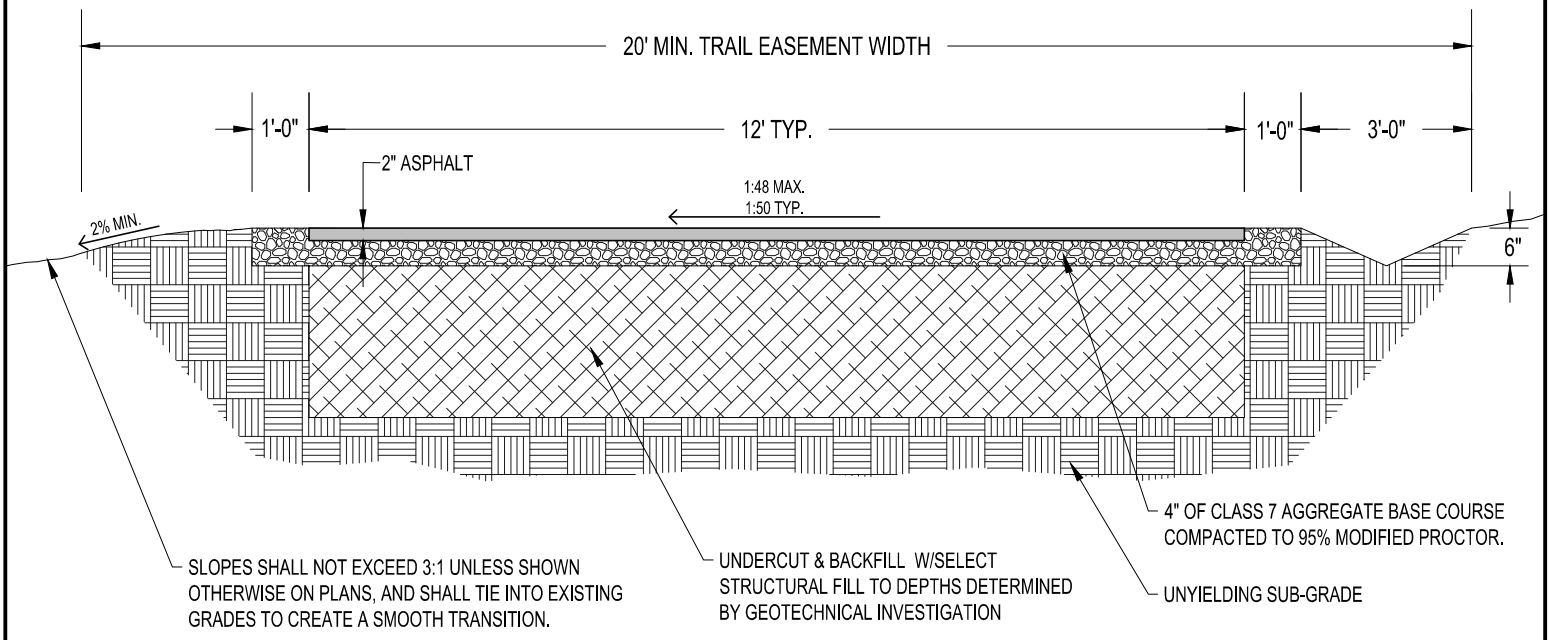
NOTE: ALL POSTS & BALUSTERS SHALL BE VERTICAL.




# HANDRAIL ANCHOR BOLT ASSEMBLIES

CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***SIDEWALK DETAILS*** | | DATE: MAY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | | ---- | |
| **HANDRAIL ANCHOR** | | ---- | **SW-3** |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: SW-3 HANDRAIL ANCHOR.dwg | ---- |




# ASPHALT TRAIL SECTION

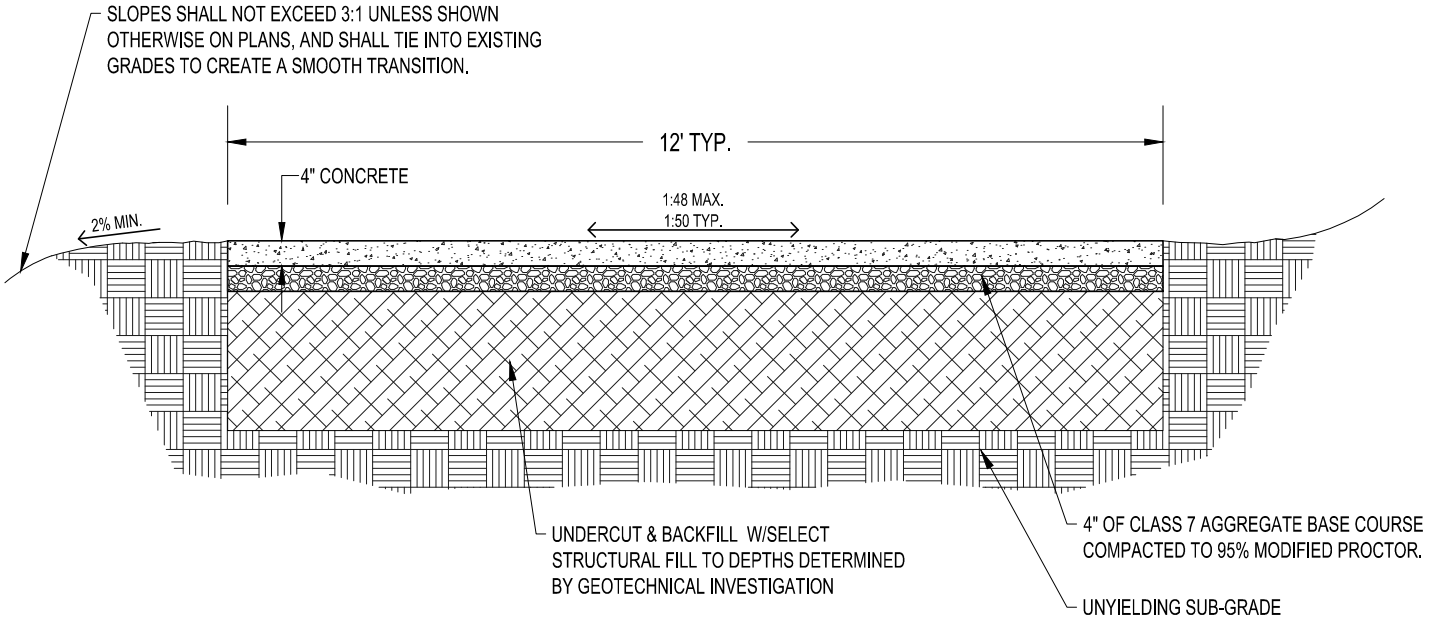
N.T.S.

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.

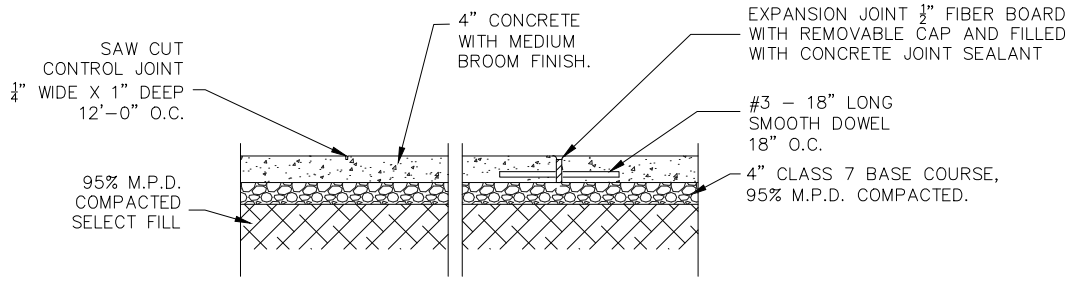
CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***TRAIL DETAILS*** | | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **ASPHALT TRAIL DETAIL** | | ---- | **TR-1** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: TR-1 ASPHALT TRAIL.dwg | ---- |




## CONCRETE SIDE PATH SECTION

N.T.S.




## SECTION THR0UGH JOINTS

CONCRETE SIDE PATH CONSTRUCTION NOTES:

1. ALL WORK SHALL COMPLY WITH SECTIONS 303 & 633 OF THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS.
2. FULL DEPTH EXPANSION JOINTS WITH DOWELS ARE REQUIRED AT THE END OF EACH DAYS POUR AND ADJACENT TO ALL EXISTING CONCRETE.
3. 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.
4. 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.
5. 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%.
6. SIDE PATHS SHALL HAVE A ONE-HALF (½) INCH ROLLED EDGE.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL CONCRETE WORK DURING CURING. ANY CONCRETE THAT IS DEFACED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
8. SIDE PATHS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ACCEPTANCE.

CITY OF CONWAY STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| | | | |
|---|---|---|---|
| TITLE: ***TRAIL DETAILS*** | | DATE: MAY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: **CONCRETE SIDE PATH DETAIL** | | ---- | **TR-2** |
| | | ---- | |
| | | ---- | |
| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: TR-2 CONCRETE SIDEPATH.dwg | ---- |

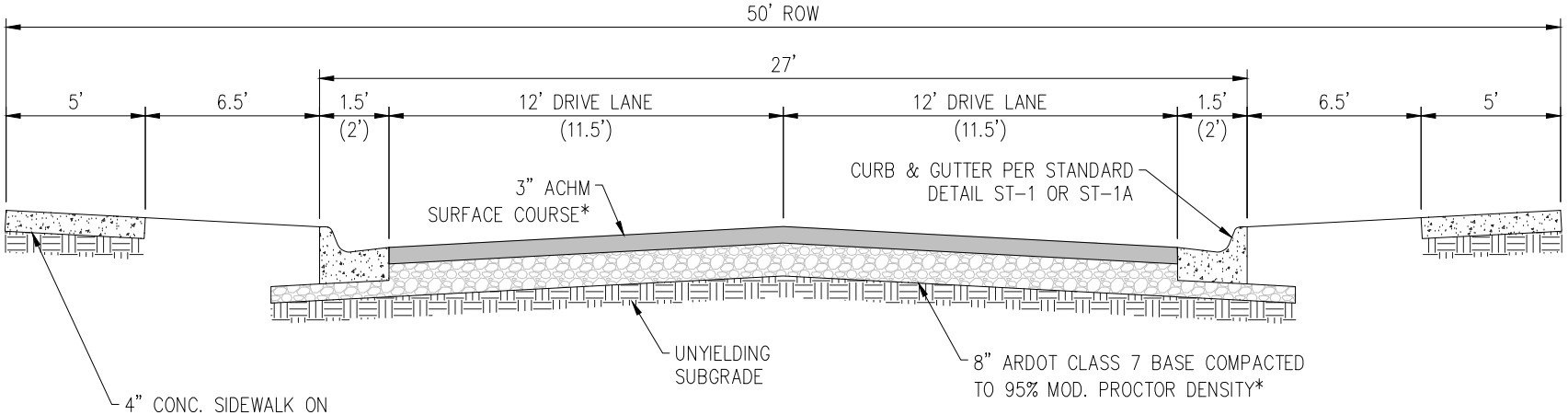
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| RESIDENTIAL– FLEXIBLE PAVEMENT DESIGN | | | |
|---|---|---|---|
| | EST. ADT LOW $M_R$ | EST. ADT MID $M_R$ | EST. ADT HIGH $M_R$ |
| ACHM SURFACE COURSE (1/2") | 3" | 3" | 3" |
| CLASS 7 BASE COURSE | 8" | 7" | 6" |
| MIN. STRUCTURAL NUMBER | 2.42 | 2.21 | 2.04 |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET TS–0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 25 MPH
3. DESIGN CLASSIFICATION = LOCAL URBAN




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

# TYPICAL SECTION
# LOCAL IN A RESIDENTIAL ZONE

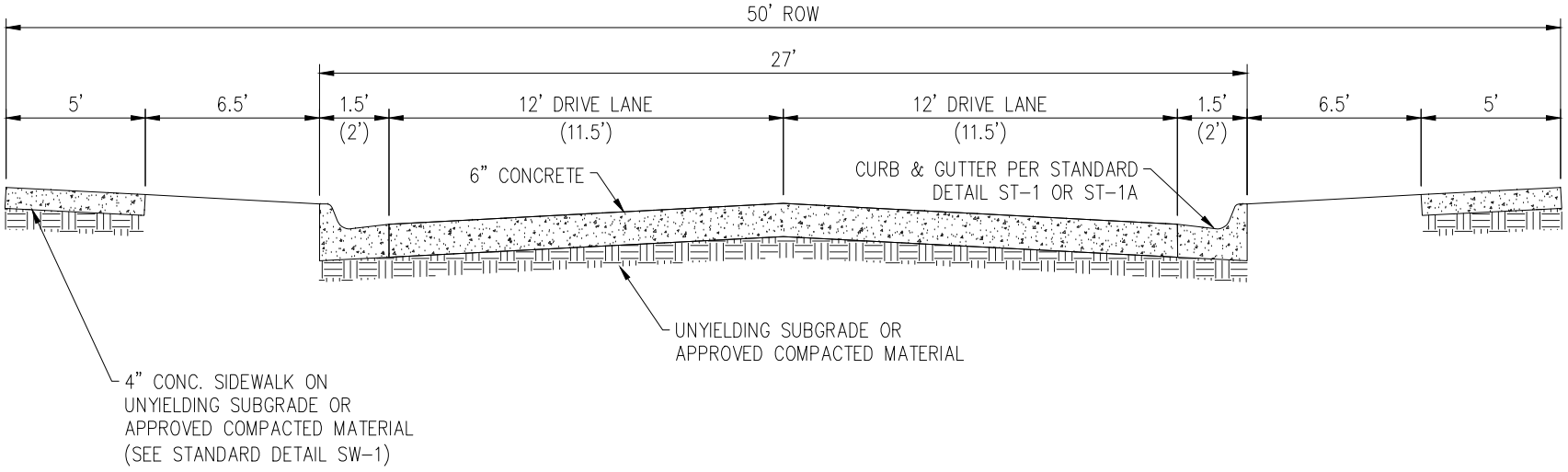
TITLE: TYPICAL SECTIONS
DESCRIPTION: LOCAL IN A RESIDENTIAL ZONE
DRAWN BY: NTR
CHECKED BY: BFV
FILE NAME: TS-1 LOCAL RESIDENTIAL STREET SECTION.dwg
DATE: FEBRUARY 2017
REVISED
SHEET: TS-1

CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| DESIGN STANDARDS | |
|---|---|
| DESIGN SPEED | 20 MPH |
| MAX. GRADE | 10%–12% |
| MIN. SIGHT DISTANCE | 150' |
| MIN. HORIZ. CENTERLINE CURVE RADIUS | 150' PREFERRED<br>50' MINIMUM |
| MIN. TANGENT BETWEEN HORIZ. CURVES | 50' PREFERRED<br>0' MINIMUM |

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 25 MPH
3. DESIGN CLASSIFICATION = LOCAL URBAN




## TYPICAL SECTION
## LOCAL IN A RESIDENTIAL ZONE (CONCRETE)

TITLE: TYPICAL SECTIONS

DESCRIPTION: LOCAL IN A RESIDENTIAL ZONE (CONCRETE)

DRAWN BY: NTR | CHECKED BY: BFV | FILENAME: LOCAL RESIDENTIAL (CONCRETE) STREET SECTION.dwg

DATE: FEBRUARY 2017
REVISED
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SHEET: TS-2

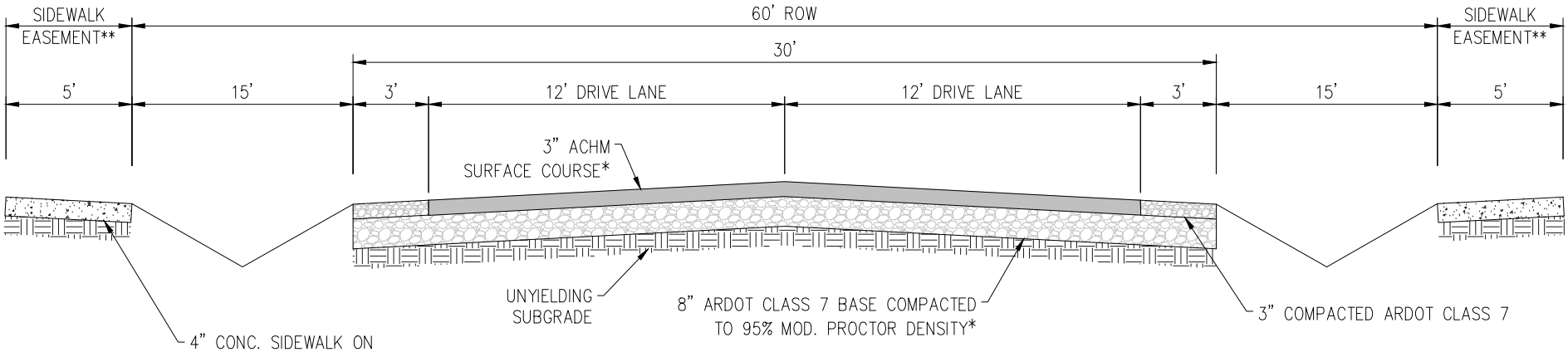
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| RESIDENTIAL– FLEXIBLE PAVEMENT DESIGN | | | |
|---|---|---|---|
| | EST. ADT LOW $M_R$ | EST. ADT MID $M_R$ | EST. ADT HIGH $M_R$ |
| ACHM SURFACE COURSE (1/2") | 3" | 3" | 3" |
| CLASS 7 BASE COURSE | 8" | 7" | 6" |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET TS-0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 30 MPH
3. DESIGN CLASSIFICATION = LOCAL RURAL




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

**SIDEWALK CONSTRUCTION AND THE ASSOCIATED EASEMENT TO BE REQUIRED AS SHOWN ON THE PLAT

# TYPICAL SECTION
# LOCAL IN A RURAL RESIDENTIAL ZONE

DRAWN BY: NTR
CHECKED BY: BFV
FILE NAME: LOCAL RURAL RESIDENTIAL STREET SECTION.dwg

TITLE: TYPICAL SECTIONS
DESCRIPTION: LOCAL IN A RURAL RESIDENTIAL ZONE

DATE: FEBRUARY 2017
REVISED
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SHEET: TS-3

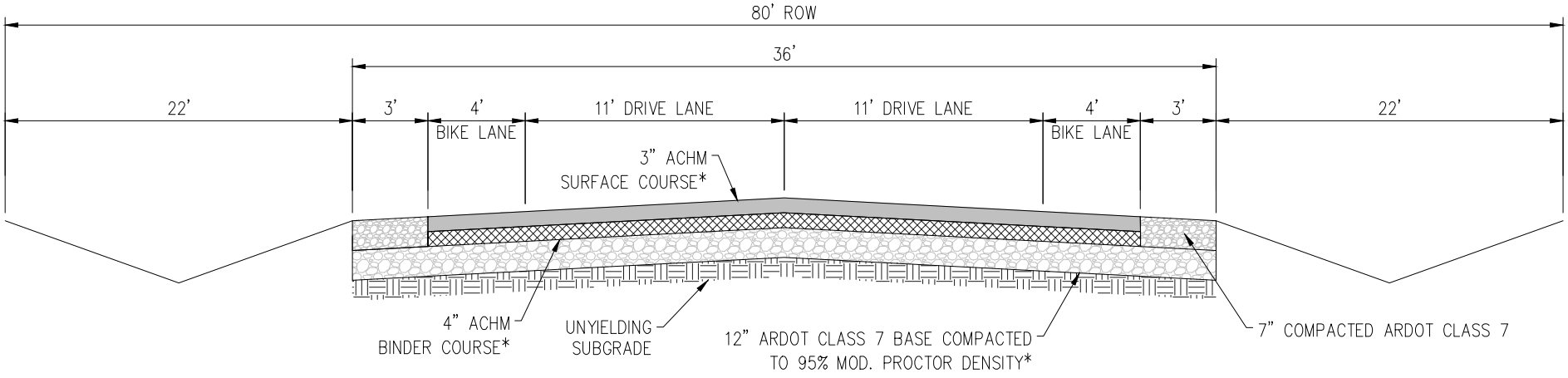
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| INDUSTRIAL– FLEXIBLE PAVEMENT DESIGN | | | | | | |
|---|---|---|---|---|---|---|
| | 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 $M_R$ |
| ACHM SURFACE COURSE (1/2") | 3" | 2" | 2" | 3" | 3" | 2" |
| ACHM BINDER COURSE (1–1/2") | 4" | 4" | 4" | 4" | 4" | 4" |
| CLASS 7 BASE COURSE | 11" | 12" | 10" | 12" | 10" | 11" |
| MIN. STRUCTURAL NUMBER | 4.60 | 4.21 | 3.94 | 4.75 | 4.35 | 4.06 |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET TS–0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 35 MPH
3. DESIGN CLASSIFICATION = LOCAL URBAN IN LEVEL TERRAIN




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

# TYPICAL SECTION
# LOCAL IN AN INDUSTRIAL ZONE

DRAWN BY: NTR
CHECKED BY: BFV
FILE NAME: TS-4 LOCAL INDUSTRIAL STREET SECTION.dwg

TITLE: *TYPICAL SECTIONS*
DESCRIPTION: **LOCAL IN AN INDUSTRIAL ZONE**

DATE: FEBRUARY 2017
REVISED
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SHEET: **TS-4**

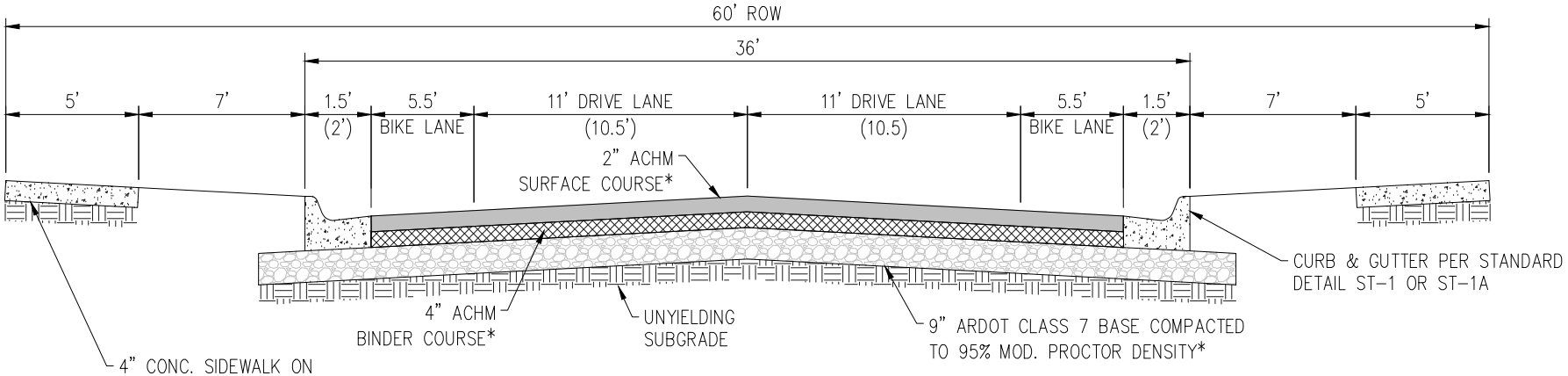
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| RESIDENTIAL COLLECTOR– FLEXIBLE PAVEMENT DESIGN | | | | | | |
|---|---|---|---|---|---|---|
| | 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 $M_R$ |
| ACHM SURFACE COURSE (1/2") | 2" | 2" | 4" | 2" | 2" | 4" |
| ACHM BINDER COURSE (1–1/2") | 4" | 4" | 0" | 4" | 4" | 0" |
| CLASS 7 BASE COURSE | 7" | 6" | 10" | 9" | 6" | 11" |
| MIN. STRUCTURAL NUMBER | 3.60 | 3.28 | 3.05 | 3.80 | 3.47 | 3.22 |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET ST–0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 30 MPH
3. DESIGN CLASSIFICATION = URBAN COLLECTOR




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

# TYPICAL SECTION
# COLLECTOR IN A RESIDENTIAL ZONE

TITLE: TYPICAL SECTIONS
DESCRIPTION: COLLECTOR IN A RESIDENTIAL ZONE
DRAWN BY: NTR
CHECKED BY: BFV
FILE NAME: RESIDENTIAL COLLECTOR STREET SECTION.dwg
DATE: FEBRUARY 2017
REVISED
SHEET: TS-5

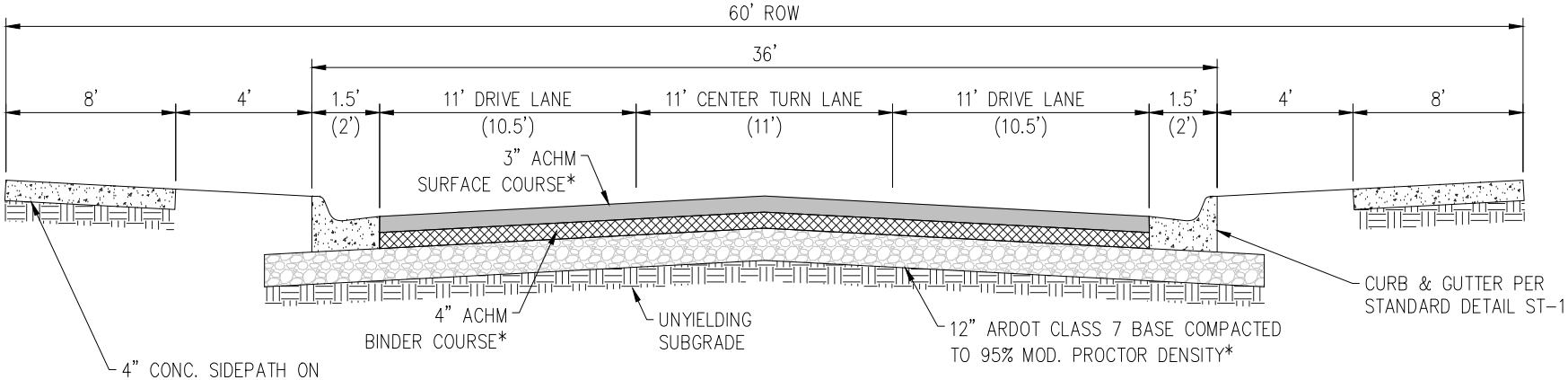
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| COLLECTOR/LOCAL– FLEXIBLE PAVEMENT DESIGN | | | | | | |
|---|---|---|---|---|---|---|
| | 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 $M_R$ |
| ACHM SURFACE COURSE (1/2") | 2" | 2" | 2" | 3" | 2" | 2" |
| ACHM BINDER COURSE (1–1/2") | 4" | 4" | 4" | 4" | 4" | 4" |
| CLASS 7 BASE COURSE | 10" | 8" | 6" | 12" | 12" | 10" |
| MIN. STRUCTURAL NUMBER | 4.03 | 3.69 | 3.44 | 4.66 | 4.28 | 4.01 |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET TS–0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 30 MPH
3. DESIGN CLASSIFICATION = URBAN COLLECTOR




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE 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

TITLE: **TYPICAL SECTIONS**
DESCRIPTION: **LOCAL/COLLECTOR**
DRAWN BY: NTR
CHECKED BY: BFV
FILE NAME: TS-6 COLLECTOR-LOCAL STREET SECTION.dwg
DATE: FEBRUARY 2017
REVISED
SHEET: **TS-6**

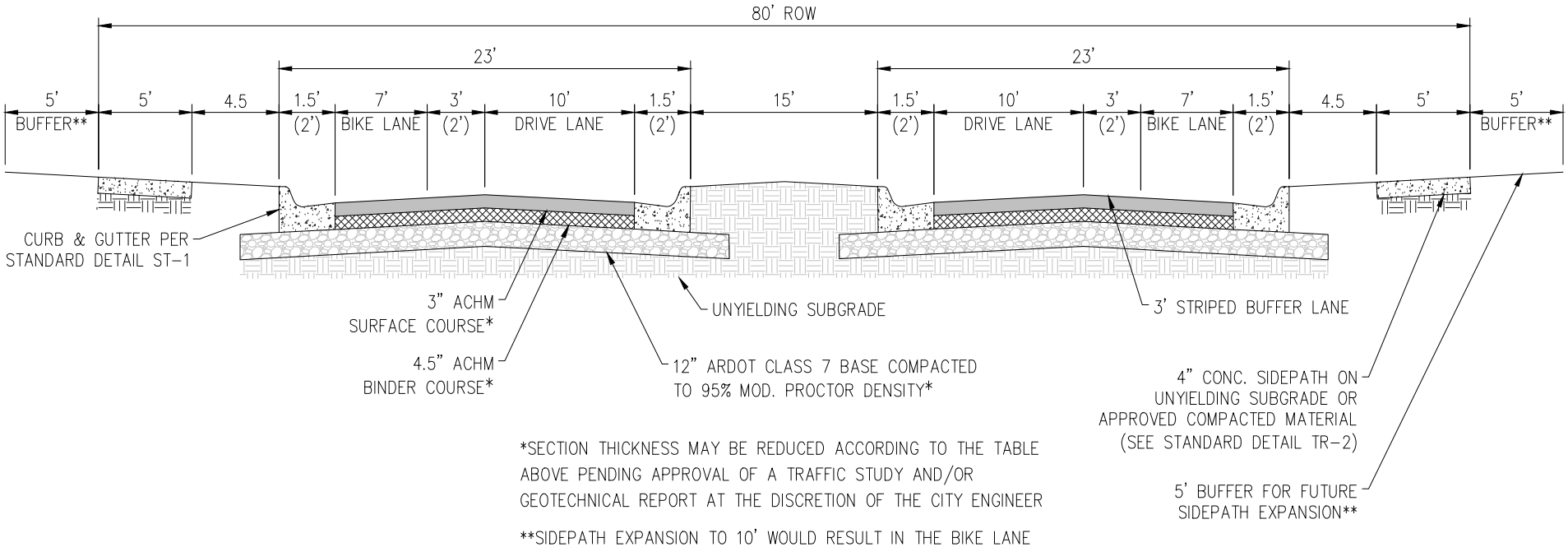
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| MINOR ARTERIAL– FLEXIBLE PAVEMENT DESIGN | | | | | | |
|---|---|---|---|---|---|---|
| | 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 $M_R$ |
| ACHM SURFACE COURSE (1/2") | 2" | 2" | 2" | 3" | 2" | 2" |
| ACHM BINDER COURSE (1–1/2") | 4" | 4" | 3" | 4.5" | 4.5" | 4" |
| CLASS 7 BASE COURSE | 12" | 10" | 11" | 12" | 12" | 12" |
| MIN. STRUCTURAL NUMBER | 4.28 | 3.92 | 3.65 | 4.95 | 4.54 | 4.25 |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET TS–0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 40 MPH
3. DESIGN CLASSIFICATION = URBAN ARTERIAL




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

**SIDEPATH EXPANSION TO 10' WOULD RESULT IN THE BIKE LANE AND STRIPED BUFFER LANE TRANSITIONING TO A 10' DRIVING LANE

# TYPICAL SECTION
# MINOR ARTERIAL

TITLE: TYPICAL SECTIONS
DESCRIPTION: MINOR ARTERIAL
DRAWN BY: NTR
CHECKED BY: BFV
FILE NAME: TS–7 MINOR ARTERIAL STREET SECTION.dwg
DATE: FEBRUARY 2017
REVISED
SHEET: TS-7

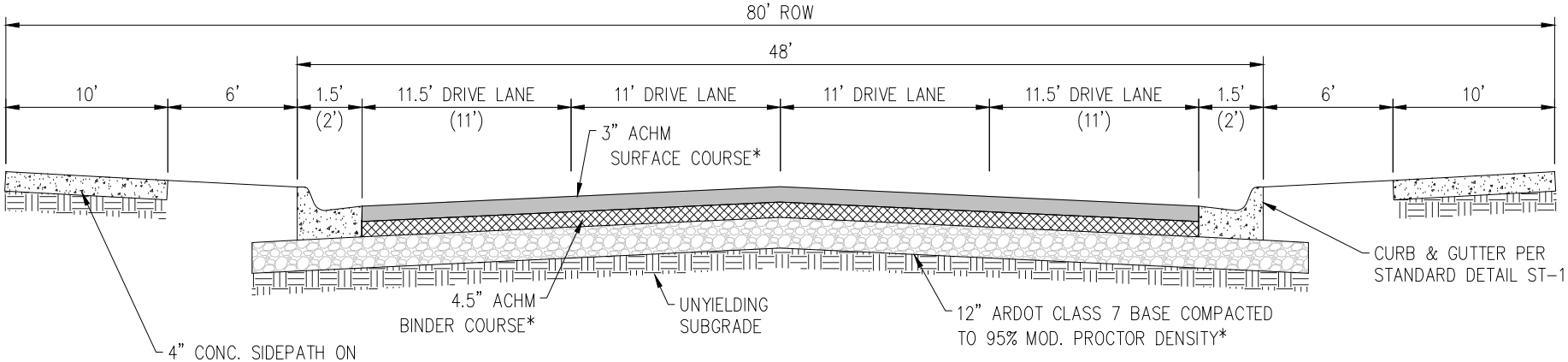
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| MINOR ARTERIAL– FLEXIBLE PAVEMENT DESIGN | | | | | | |
|---|---|---|---|---|---|---|
| | 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 $M_R$ |
| ACHM SURFACE COURSE (1/2") | 2" | 2" | 2" | 3" | 2" | 2" |
| ACHM BINDER COURSE (1–1/2") | 4" | 4" | 3" | 4.5" | 4.5" | 4" |
| CLASS 7 BASE COURSE | 12" | 10" | 11" | 12" | 12" | 12" |
| MIN. STRUCTURAL NUMBER | 4.28 | 3.92 | 3.65 | 4.95 | 4.54 | 4.25 |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET TS–0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 40 MPH
3. DESIGN CLASSIFICATION = URBAN ARTERIAL




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

# TYPICAL SECTION
# MINOR ARTERIAL ALTERNATIVE

TITLE: TYPICAL SECTIONS
DESCRIPTION: MINOR ARTERIAL ALTERNATIVE
DRAWN BY: NTR
CHECKED BY: BFV
FILE: TS-8 MINOR ARTERIAL ALTERNATIVE STREET SECTION.dwg
DATE: FEBRUARY 2017
REVISED
SHEET: TS-8

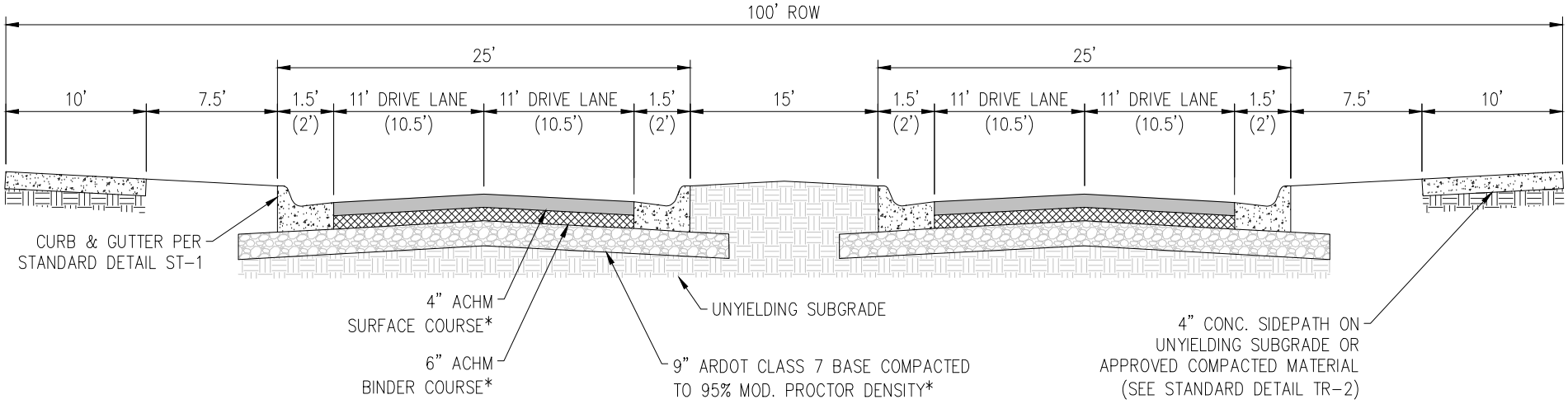
CITY OF CONWAY STREET &
ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
501-450-6165

| MAJOR ARTERIAL – FLEXIBLE PAVEMENT DESIGN | | | | | | |
|---|---|---|---|---|---|---|
| | 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 $M_R$ |
| ACHM SURFACE COURSE (1/2") | 3" | 3" | 3" | 4" | 4" | 3" |
| ACHM BINDER COURSE (1-1/2") | 6" | 5" | 4.5" | 6" | 4.5" | 5" |
| CLASS 7 BASE COURSE | 12" | 12" | 12" | 11" | 12" | 12" |
| MIN. STRUCTURAL NUMBER | 5.54 | 5.11 | 4.77 | 5.84 | 5.40 | 5.05 |

NOTES:
1. ADT = AVERAGE DAILY TRAFFIC
2. $M_R$ = RESILIENT MODULUS
3. REFERENCE DETAIL SHEET TS-0 FOR INFORMATION ON AVG ADT AND $M_R$ CLASSIFICATIONS.

## DESIGN STANDARDS:

1. SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS", 6TH EDITION
2. DESIGN SPEED = 45 MPH
3. DESIGN CLASSIFICATION = URBAN ARTERIAL




*SECTION THICKNESS MAY BE REDUCED ACCORDING TO THE TABLE ABOVE PENDING APPROVAL OF A TRAFFIC STUDY AND/OR GEOTECHNICAL REPORT AT THE DISCRETION OF THE CITY ENGINEER

# TYPICAL SECTION
# MAJOR ARTERIAL

DRAWN BY: NTR
CHECKED BY: BFV
FILE NAME: TS-9 MAJOR ARTERIAL STREET SECTION.dwg

TITLE: **TYPICAL SECTIONS**
DESCRIPTION: **MAJOR ARTERIAL**

DATE: FEBRUARY 2017
REVISED
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SHEET: **TS-9**

## TABLE 1: 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 2: 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 STREET & ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
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| | | | |
|---|---|---|---|
| TITLE: | ***TYPICAL SECTIONS*** | DATE: FEBRUARY 2017 | SHEET: |
| | | REVISED | |
| DESCRIPTION: | **TYPICAL SECTION SUPPORT DATA** | ---- | **TS-0** |
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| | | ---- | |
| DRAWN BY: NTR | CHECKED BY: BFV | FILE NAME: TS-0 TYPICAL SECTION SUPPORT DATA.dwg | ---- |