

SUBDIVISION PLAN

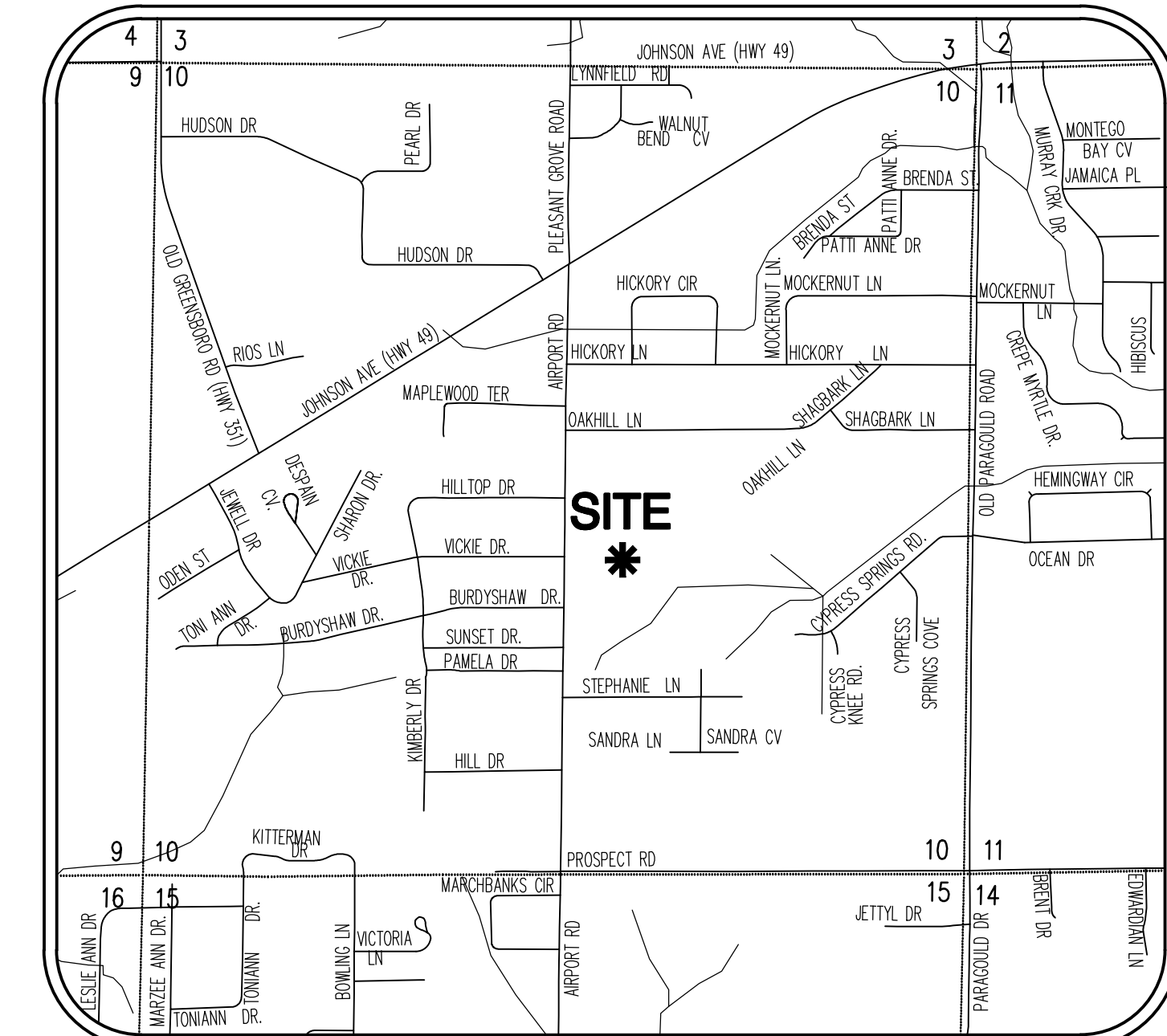
BOBCAT MEADOWS SUBDIVISION

SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST

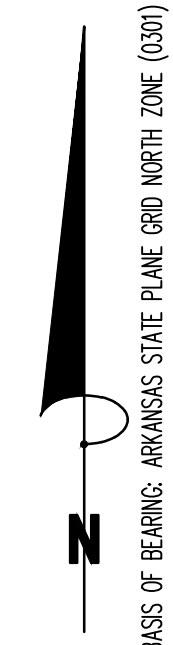
JONESBORO, CRAIGHEAD COUNTY, ARKANSAS

**Haywood, Kenward, Bare
AND ASSOCIATES, INC.**
Civil Engineering, Surveying & Planning Services
1801 Latourette Drive, Jonesboro, AR, 72404
P: 870.932.2019 F: 870.932.1076

| CONTACT INFORMATION | | |
|---|--|----------------|
| CONTACT | ADDRESS | PHONE NUMBER |
| CITY OF JONESBORO ENGINEERING DEPARTMENT | 300 S CHURCH-3RD FLOOR JONESBORO, AR 72401 | 870-932-2438 |
| CITY OF JONESBORO PLANNING AND ZONING | 300 S CHURCH-3RD FLOOR JONESBORO, AR 72401 | 870-932-0406 |
| CITY, WATER & LIGHT | 400 EAST MONROE JONESBORO, AR 72401 | 870-935-5581 |
| AT&T | 723 SOUTH CHURCH STREET JONESBORO, AR 72401 | 1-800-464-7928 |
| RITTER COMMUNICATIONS | 2109 FOWLER AVENUE JONESBORO, AR 72401 | 870-336-3400 |
| SUDDENLINK COMMUNICATIONS | 1520 SOUTH CARAWAY ROAD JONESBORO, AR 72401 | 870-935-3615 |
| CENTER POINT ENERGY GAS | 3013 OLD FEED HOUSE ROAD JONESBORO, AR 72401 | 870-972-6682 |



VICINITY MAP
(NOT TO SCALE)



| INDEX OF SHEETS | |
|-----------------|------------------------|
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| C2 | KEY MAP |
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| C17 | WATER DETAILS |

COVER PAGE

ALL OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS.



JEREMY A. BEVELL - CIVIL ENGINEER
ARKANSAS - PE # 13420



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PROJECT NO.
JB9393

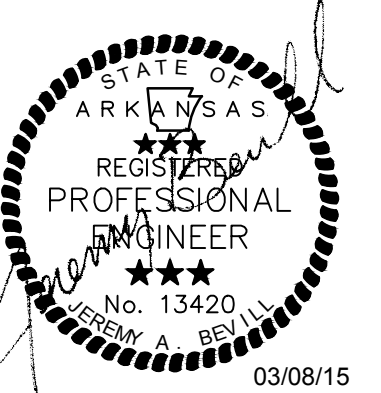
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| DRAWN BY MJR | CHECKED BY JAB |
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|-------------|-------|
| SHEET C1 | SCALE |
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| DATE 03/08/2016 | DRAWING NO. 21-76 |
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KEY MAP

ALL OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10,
TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS.



JEREMY A. BEVELL - CIVIL ENGINEER
ARKANSAS - PE # 13420



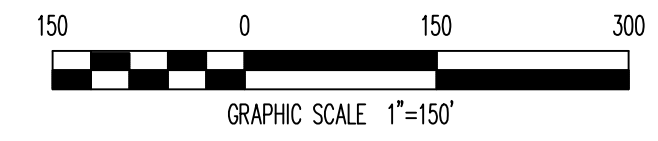
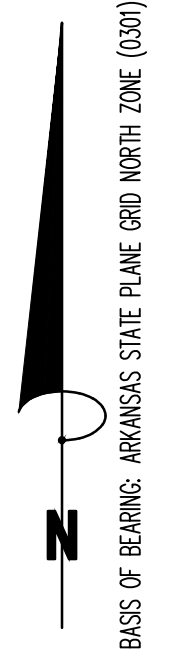
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| PROJECT NO. JB9393 | |
| DRAWN BY MJR | CHECKED BY JAB |
| SHEET C2 | SCALE 1"=150' |
| DATE 03/08/2016 | DRAWING NO. 21-76 |



KEY MAP

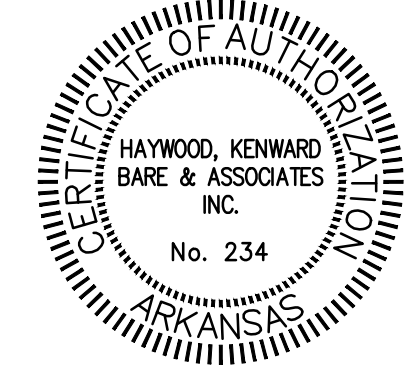


TOPOGRAPHIC SURVEY

ALL OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS.



JEREMY A. BEVILL - CIVIL ENGINEER
ARKANSAS - PE # 13420



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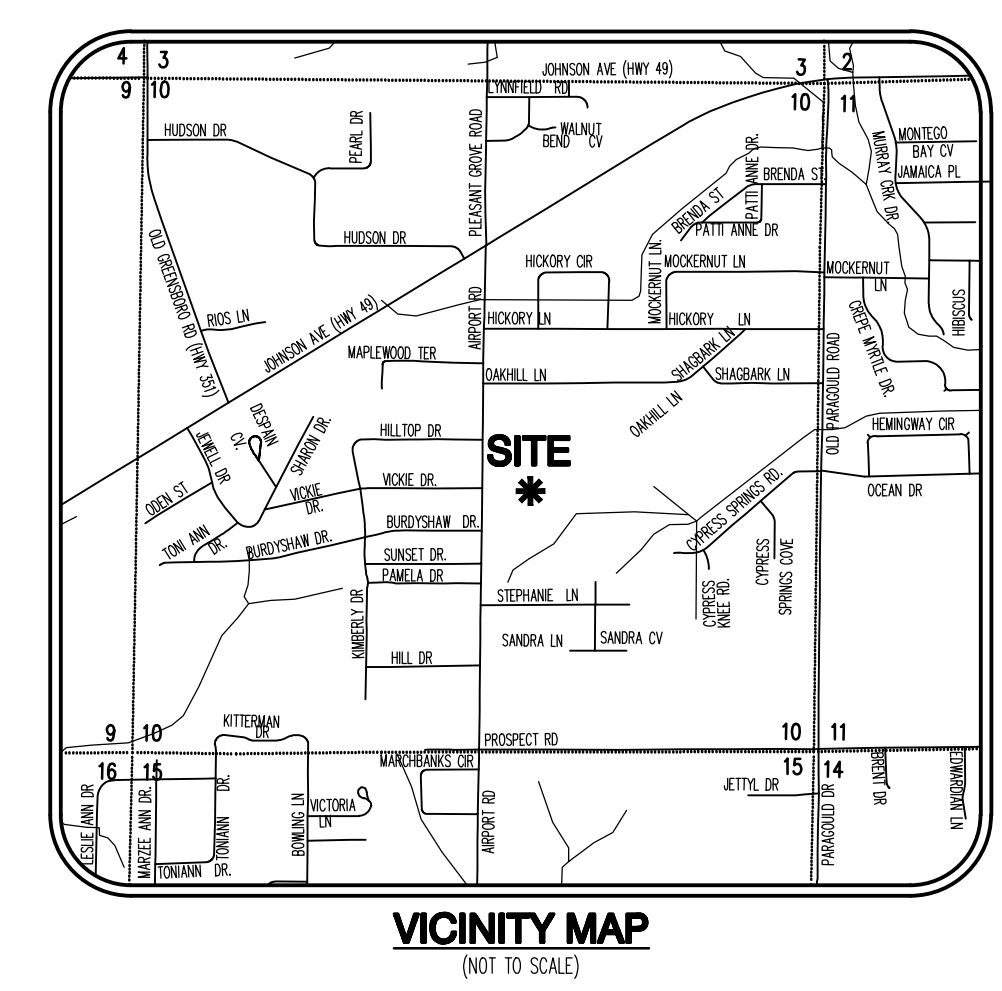
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| DATE | BY | DESCRIPTION |
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PROJECT NO.
JB9393

DRAWN BY: MJR
CHECKED BY: JAB

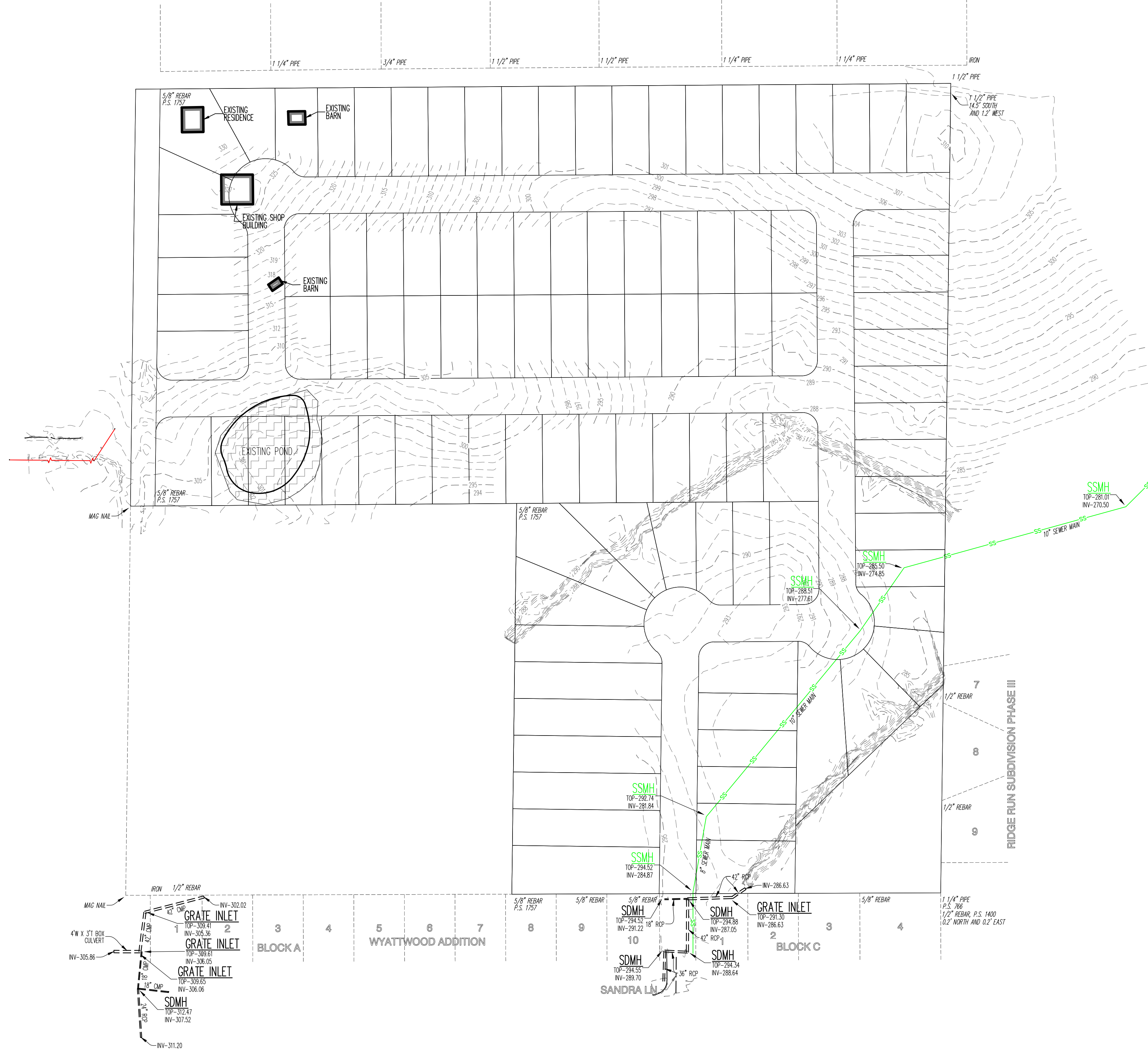
SHEET: C3
SCALE: 1"=100'

DATE: 03/08/2016
DRAWING NO.: 20-52



BASE OF BEARINGS: ARKANSAS STATE PLANE GRID NORTH ZONE (0301)

LOTS BY METES AND BOUNDS DESCRIPTION



CERTIFICATE OF SURVEY:

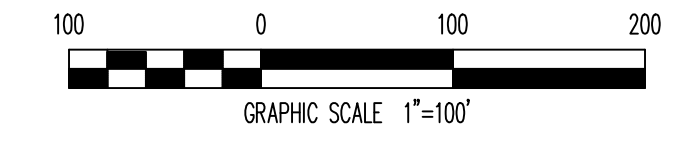
THIS IS TO CERTIFY THAT HAYWOOD, KENWARD, BARE & ASSOCIATES INC, PROFESSIONAL SURVEYORS, HAVE SURVEYED THE FOLLOWING PARCEL OF LAND.

ALL OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE CENTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS; THENCE NORTH 89°35'53" EAST ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 10, 1329.45 FEET TO THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 10; THENCE SOUTH 00°43'00" WEST ALONG THE EAST LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 10, 1319.93 FEET TO THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 10; THENCE SOUTH 89°49'22" WEST ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 10, 699.41 FEET; THENCE NORTH 00°42'18" EAST LEAVING SAID SECTION LINE, 637.18 FEET; THENCE SOUTH 89°35'53" WEST TO THE WEST LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 10, 629.71 FEET; THENCE NORTH 00°42'18" EAST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 10, 680.00 FEET TO THE POINT OF BEGINNING, CONTAINING 31.00 ACRES, MORE OR LESS, SUBJECT TO ALL RIGHTS-OF-WAYS AND EASEMENTS OF RECORD.

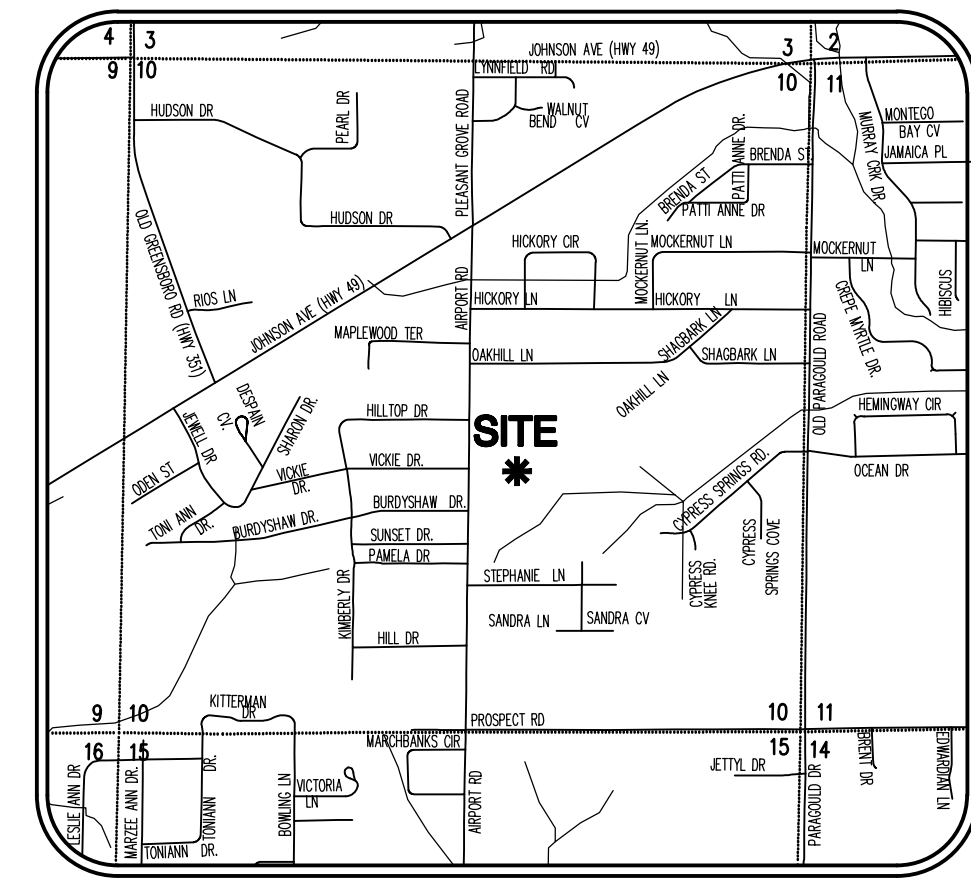
SURVEYOR'S NOTES:

- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD OR ANY OTHER FACTS WHICH AN ACCURATE TITLE SEARCH MAY DISCLOSE.
- BASE OF BEARINGS: ARKANSAS STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 83.
- THE FOLLOWING DOCUMENTS WERE USED IN THE CONSTRUCTION OF THIS SURVEY:
 - PLAT OF SURVEY, BY FRED HAYWOOD, P.S. 285, HKB FILE C-186, DATED JANUARY 27, 1970.
 - PLAT OF SURVEY, BY FRED HAYWOOD, P.S. 285, HKB FILE Y-41, DATED OCTOBER 22, 1970.
 - PLAT OF SURVEY, BY HERBERT HIME, P.S. 1142, RECORDED IN BOOK B, PAGE 119, DATED JUNE 16, 1994.
 - PLAT OF SURVEY, BY DANNY ROBB, P.S. 1212, RECORDED IN BOOK C, PAGE 74, DATED JANUARY 12, 1999.
 - PLAT OF SURVEY, BY BRAD HANCOCK, P.S. 1400, RECORDED WITH THE STATE LAND SURVEYOR 201202230016, DATED JANUARY 13, 2012.
- THE SUBJECT PROPERTY LIES OUTSIDE THE 100-YEAR SPECIAL FLOOD HAZARD, AS SHOWN ON FEMA FLOOD INSURANCE RATE MAPS: PANEL NO. 05031C0044C, EFFECTIVE DATE SEPTEMBER 27, 1991.
- SUBJECT PROPERTY IS ZONED R-1, SINGLE-FAMILY LOW DENSITY DISTRICT.
- BUILDING RESTRICTIONS FOR R-1 ZONING:
 - STREET SETBACK - 25'
 - INTERIOR SIDE SETBACK - 7.5'
 - REAR SETBACK - 25'
 - MAXIMUM LOT COVERAGE - 35%
 - MAXIMUM HEIGHT LIMITATION - 35'
- FIELD WORK WAS COMPLETED ON MARCH 16, 2015.



GRAPHIC SCALE 1"=100'

TOPOGRAPHIC SURVEY



BASE OF BEARING: ARKANSAS STATE PLANE GRID NORTH ZONE (0301)

- LEGEND:**
- FOUND 5/8" REBAR W/ BRANCH P.S. 1596 CAP (OR AS NOTED)
 - SET 5/8" REBAR W/ RED PLASTIC CAP STAMPED "BRANCH P.S. 1596"
 - ▲ COMPUTED POINT (NOT MOUNTMENT)

CERTIFICATE OF SURVEY:

THIS IS TO CERTIFY THAT HAYWOOD, KENWARD, BARE & ASSOCIATES INC., PROFESSIONAL SURVEYORS, HAVE SURVEYED THE FOLLOWING PARCEL OF LAND.

ALL OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE CENTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS; THENCE NORTH 89°35'53" EAST ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 10, 1329.45 FEET TO THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 10; THENCE SOUTH 00°42'18" WEST ALONG THE EAST LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 10, 1319.93 FEET TO THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 10; THENCE SOUTH 89°49'22" WEST ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 10, 699.41 FEET; THENCE NORTH 00°42'18" EAST LEAVING SAID QUARTER SECTION LINE, 637.18 FEET; THENCE SOUTH 89°35'53" WEST TO THE WEST LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 10, 629.71 FEET; THENCE NORTH 00°42'18" EAST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 10, 680.00 FEET TO THE POINT OF BEGINNING, CONTAINING 31.00 ACRES, MORE OR LESS, SUBJECT TO ALL RIGHTS-OF-WAYS AND EASEMENTS OF RECORD.

DEDICATION OF PLAT:

WE BEING THE OWNERS/AGENTS OF THE ABOVE DESCRIBED PARCEL OF LAND, DO HEREBY PLAT AND LAYOUT SAME INTO A SUBDIVISION COMPOSED OF LOTS AND STREETS AS SHOWN ON THE PLAT HEREON.

SAID PLAT SHALL HEREINAFTER BE DESIGNATED AND REFERRED TO AS:

BOBCAT MEADOWS SUBDIVISION

TO THE CITY OF JONESBORO, CRAIGHEAD COUNTY, ARKANSAS.

AND SAID OWNERS/AGENTS DO HEREBY DEDICATE TO THE PUBLIC USE FOREVER, ALL THE STREETS OF WIDTH, LENGTH AND LOCATION AS SHOWN ON THE PLAT HEREON, FOR THE PURPOSE OF INGRESS/EGRESS AND UTILITY CONSTRUCTION AND MAINTENANCE, AND SAID OWNERS/AGENTS DO HEREBY DEDICATE ALL EASEMENTS TO THE PUBLIC USE FOR THE EXPRESS PURPOSE AS SHOWN ON THE PLAT HEREON. SAID DRAINAGE AND UTILITY EASEMENTS SHALL NOT BE USED FOR INGRESS/EGRESS BY THE PUBLIC.

SIGNED THIS _____ DAY OF _____ 2016

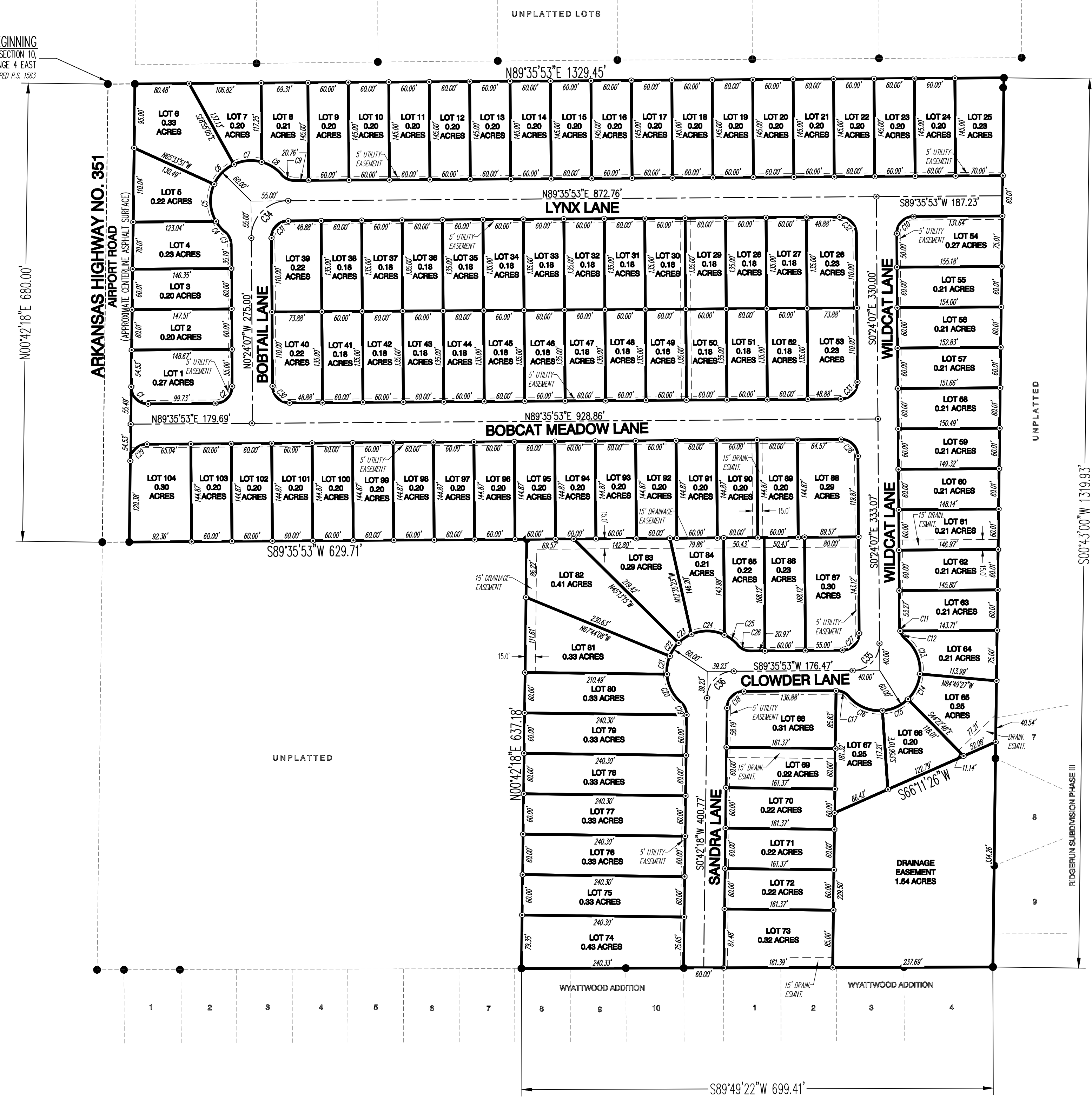
BY _____ SIGNATURE _____

TITLE _____

SURVEYORS NOTES:

- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD OR ANY OTHER FACTS WHICH AN ACCURATE TITLE SEARCH MAY DISCLOSE.
- BASES OF BEARINGS: ARKANSAS STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 83.
- THE FOLLOWING DOCUMENTS WERE USED IN THE CONSTRUCTION OF THIS SURVEY:
 - PLAT OF SURVEY, BY FRED HAYWOOD, P.S. 285, HKB FILE G-186, DATED JANUARY 27, 1970.
 - PLAT OF SURVEY, BY FRED HAYWOOD, P.S. 285, HKB FILE Y-41, DATED OCTOBER 22, 1970.
 - PLAT OF SURVEY, BY HERBERT HIME, P.S. 1142, RECORDED IN BOOK B, PAGE 119, DATED JUNE 16, 1994.
 - PLAT OF SURVEY, BY DANNY ROBB, P.S. 1212, RECORDED IN BOOK C, PAGE 74, DATED JANUARY 12, 1999.
 - PLAT OF SURVEY, BY BRAD HANCOCK, P.S. 1400, RECORDED WITH THE STATE LAND SURVEYOR 201022230016, DATED JANUARY 13, 2012.
- THE SUBJECT PROPERTY LIES OUTSIDE THE 100-YEAR SPECIAL FLOOD HAZARD, AS SHOWN ON FEMA FLOOD INSURANCE RATE MAPS: PANEL NO. 0503100044C, EFFECTIVE DATE SEPTEMBER 27, 1991.
- SUBJECT PROPERTY IS ZONED R-1, SINGLE-FAMILY LOW DENSITY DISTRICT.
- BUILDING RESTRICTIONS FOR R-1 ZONING:
 - STREET SETBACK - 25'
 - INTERIOR SIDE SETBACK - 7.5'
 - REAR SETBACK - 25'
 - MAXIMUM LOT COVERAGE - 35%
 - MAXIMUM HEIGHT LIMITATION - 35'
- FIELD WORK WAS COMPLETED ON MARCH 16, 2015.

POINT OF BEGINNING
CENTER OF SECTION 10,
TOWNSHIP 14 NORTH, RANGE 4 EAST
MAG. SPICE W/ WASHER STAMPED P.S. 1563



RECORD PLAT

TERRY G. BARE - SURVEYOR
ARKANSAS - PS # 10448

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ARKANSAS - 234

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PROJECT NO.
JB9393-01

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| DRAWN BY MJR | CHECKED BY JAB |
| SHEET C4 | SCALE 1"=100' |
| DATE 03/08/2016 | DRAWING NO. 21-7E |



JEREMY A. BEVELL - CIVIL ENGINEER
ARKANSAS - PE # 13420



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PROJECT NO.
JB9393

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| DRAWN BY MJR | CHECKED BY JAB |
| SHEET C5 | SCALE 1"=100' |
| DATE 03/08/2016 | DRAWING NO. 20-52 |

MAINTENANCE AND OPERATION NOTES:

1. AN INSPECTION SHALL BE MADE EVERY 7 DAYS.
2. ALL OBSERVED DEFICIENCIES IN BEST MANAGEMENT PRACTICES (BMP'S) WILL BE RECORDED.
3. SEDIMENT SHALL BE REMOVED BEHIND SILT FENCING OR ROCK CHECK DAMS ONCE SEDIMENT REACHES 1/3 THE HEIGHT OF THE SILT FENCE OR CHECK DAM.

GENERAL NOTES:

1. AFTER COMPLETION OF CONSTRUCTION THE NEW RUNOFF COEFFICIENT SHALL BE 0.90.
2. THE STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN AND ITS ASSOCIATED REPORT ARE INTENDED TO MINIMIZE POLLUTANT LOADS OCCURRING IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE. THE CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED BEYOND THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND UNTIL 100% OF THE SITE HAS BEEN STABILIZED.
3. IMPLEMENTATION, INSTALLATION, APPLICATION AND MAINTENANCE OF THE STORM WATER POLLUTION PREVENTION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH APPLICABLE STATE OR LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS.
4. ALL REGULATORY PERMITS MUST BE OBTAINED FROM THE CITY OF JONESBORO PRIOR TO THE COMMENCEMENT OF SOIL DISTURBANCE.

PROFESSIONAL CERTIFICATION:

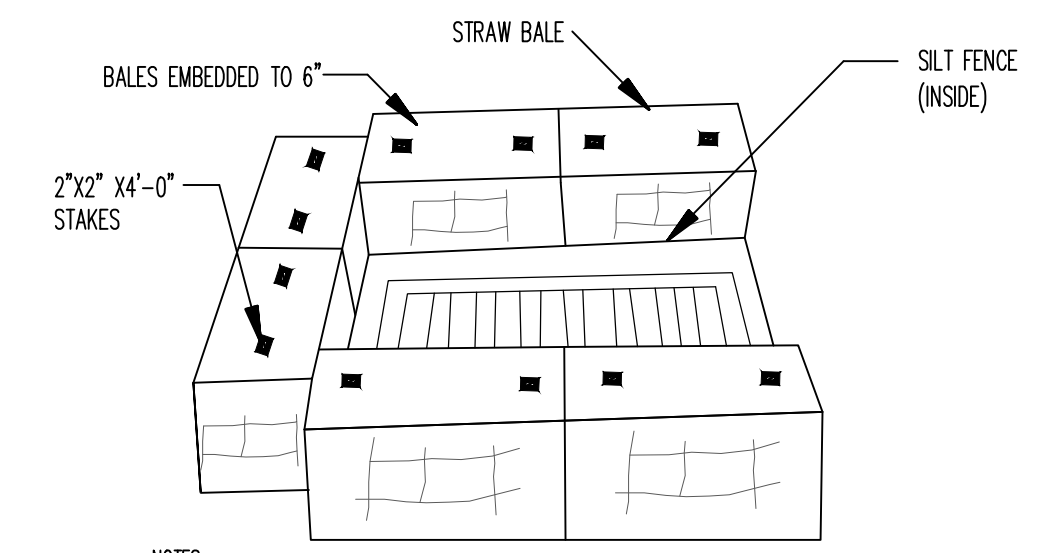
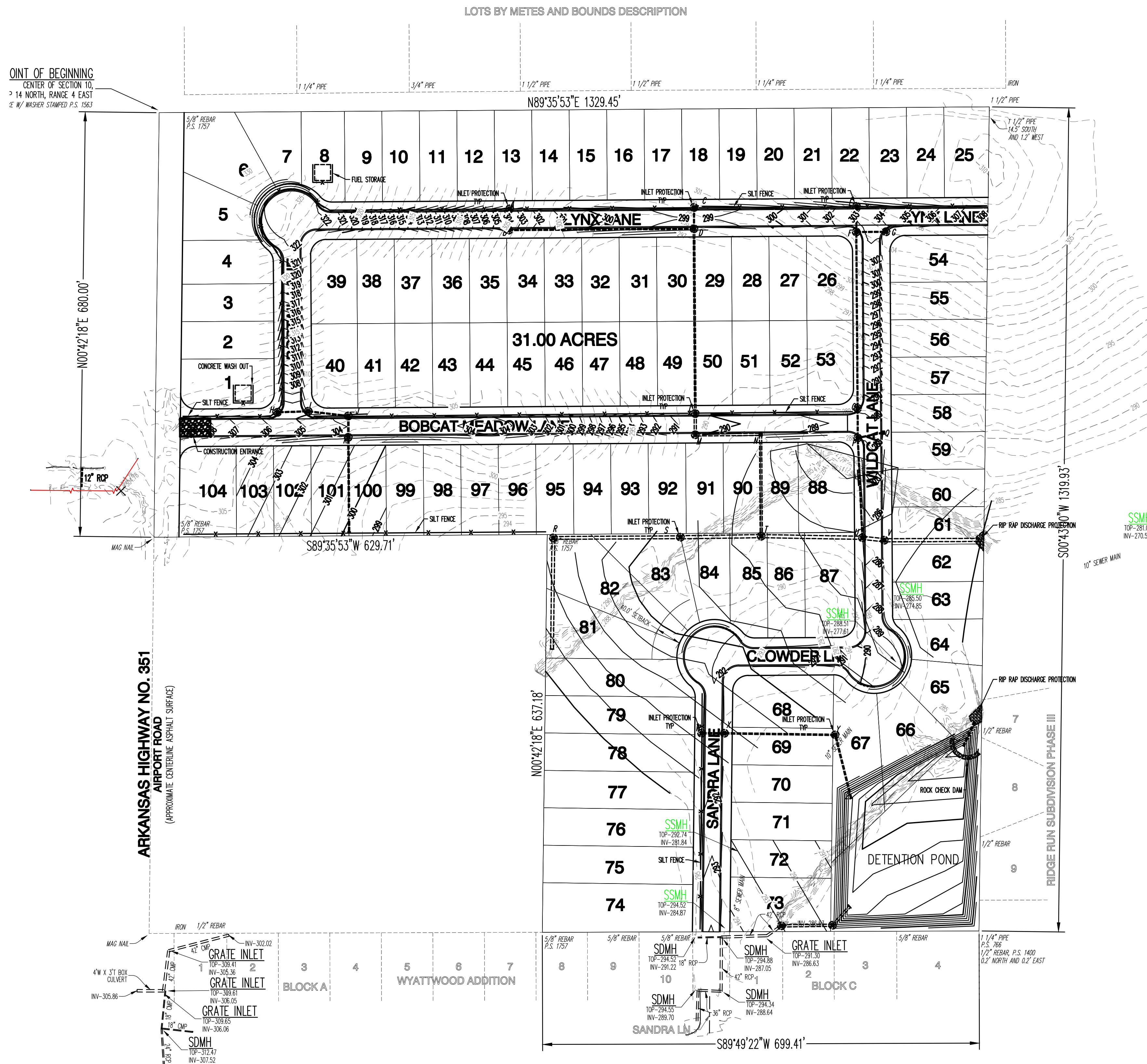
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGED THE SYSTEMS, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

JEREMY A. BEVELL, P.E. 13420 PROJECT ENGINEER

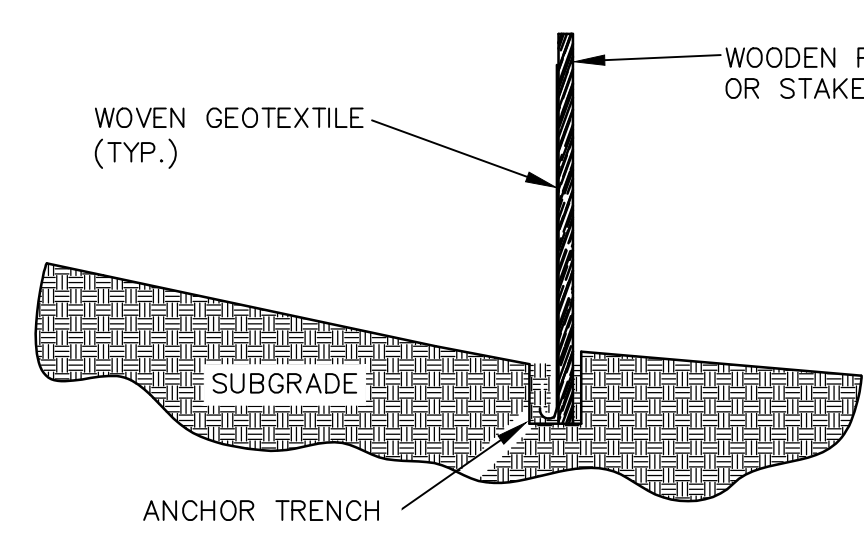
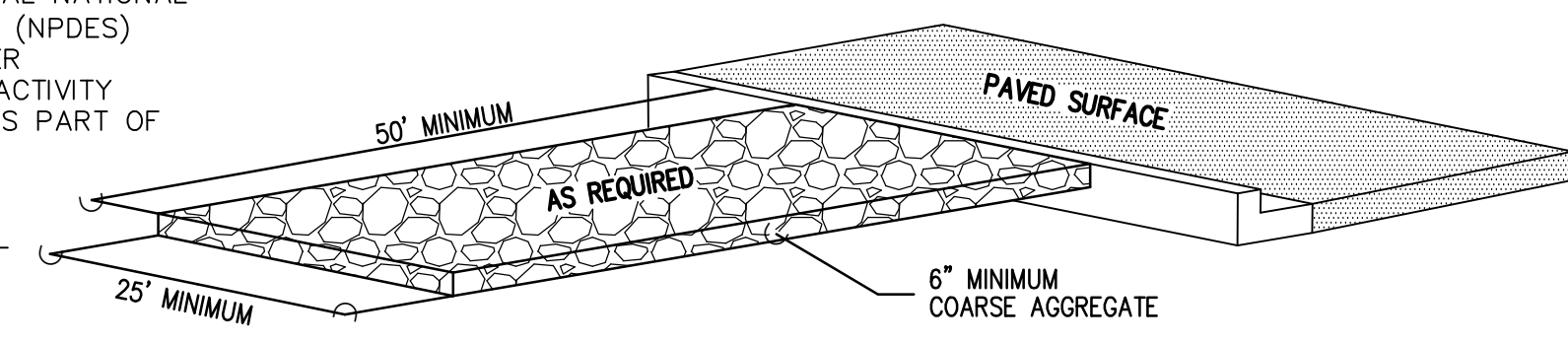
OWNER/CONTRACTOR CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

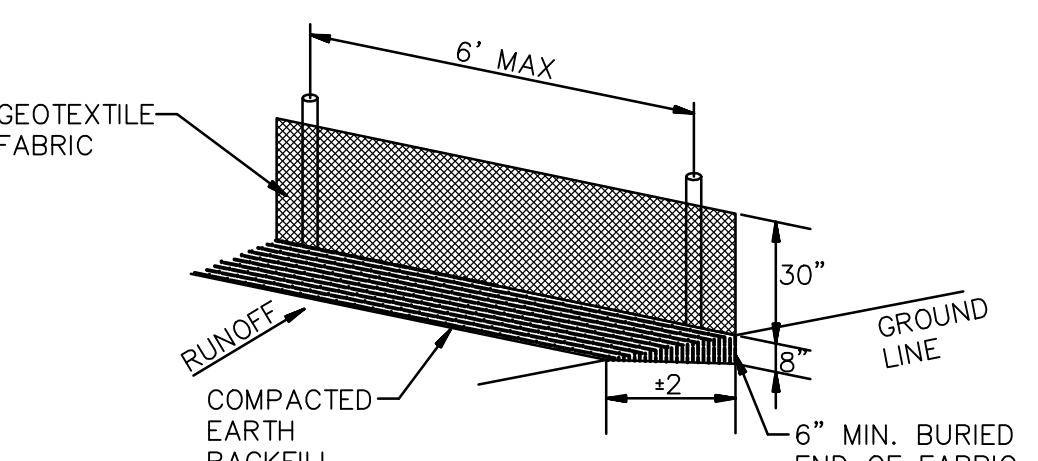
OWNER/CONTRACTOR _____ DATE _____



- NOTES:
1. INSTALL SILT FENCE AFTER CONSTRUCTION OF INLET ACCORDING TO TYPICAL SILT FENCE DETAIL.
 2. INSTALL STRAW BALES OUTSIDE OF SILT FENCE ACCORDING TO THE TYPICAL STRAW BALE DETAIL.



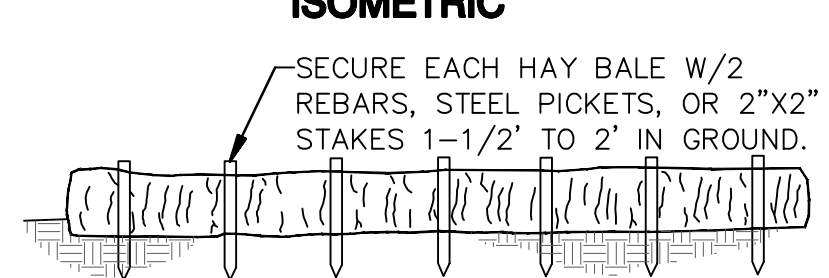
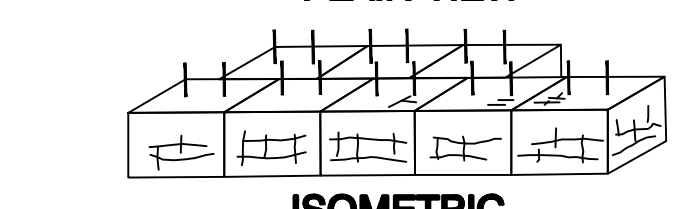
- NOTES:
1. GEOTEXTILE ANCHORED IN TRENCH A MINIMUM OF 15 CM (6 IN). TRENCH BACKFILLED WITH TAMPED NATURAL SOIL.
 2. DEPENDING UPON CONFIGURATION, ATTACH GEOTEXTILE TO STEEL POST WITH THE WIRES OR WOOD POSTS WITH STAPLES.



- NOTES:
- WIRE OR NYLON BOUND BALES ARE REQUIRED FOR DURABILITY.
 - REQUIRED AT LOW AREAS OF SITE WHERE SURFACE DRAINAGE OCCURS DURING GRADING OPERATIONS & PRIOR TO LANDSCAPING COMPLETION.

SILT FENCE DETAIL

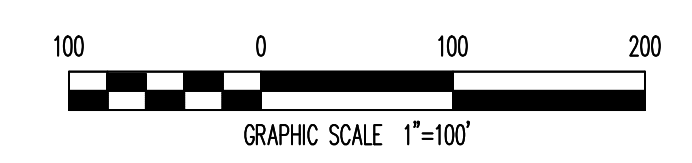
N.T.S.



STRAW BALE DETAILS

- NOTES:
- SECURE EACH HAY BALE W/2 REBARs, STEEL PICKETS, OR 2"x2" STAKES 1-1/2' TO 2' IN GROUND.

STRAW BALE DETAILS



EROSION CONTROL PLAN



JEREMY A. BEVELL - CIVIL ENGINEER
ARKANSAS - PE # 13420



Haywood, Kenward, Bare,
and Associates, Inc.
ARKANSAS - 234

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PROJECT NO.
JB9393

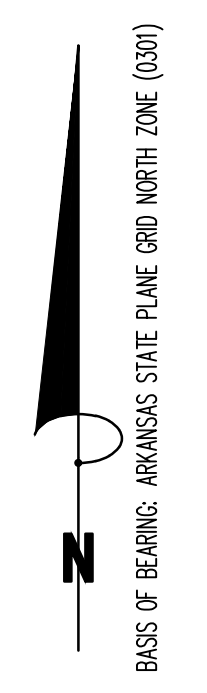
DRAWN BY
MJR

CHECKED BY
JAB

DATE
03/08/2016

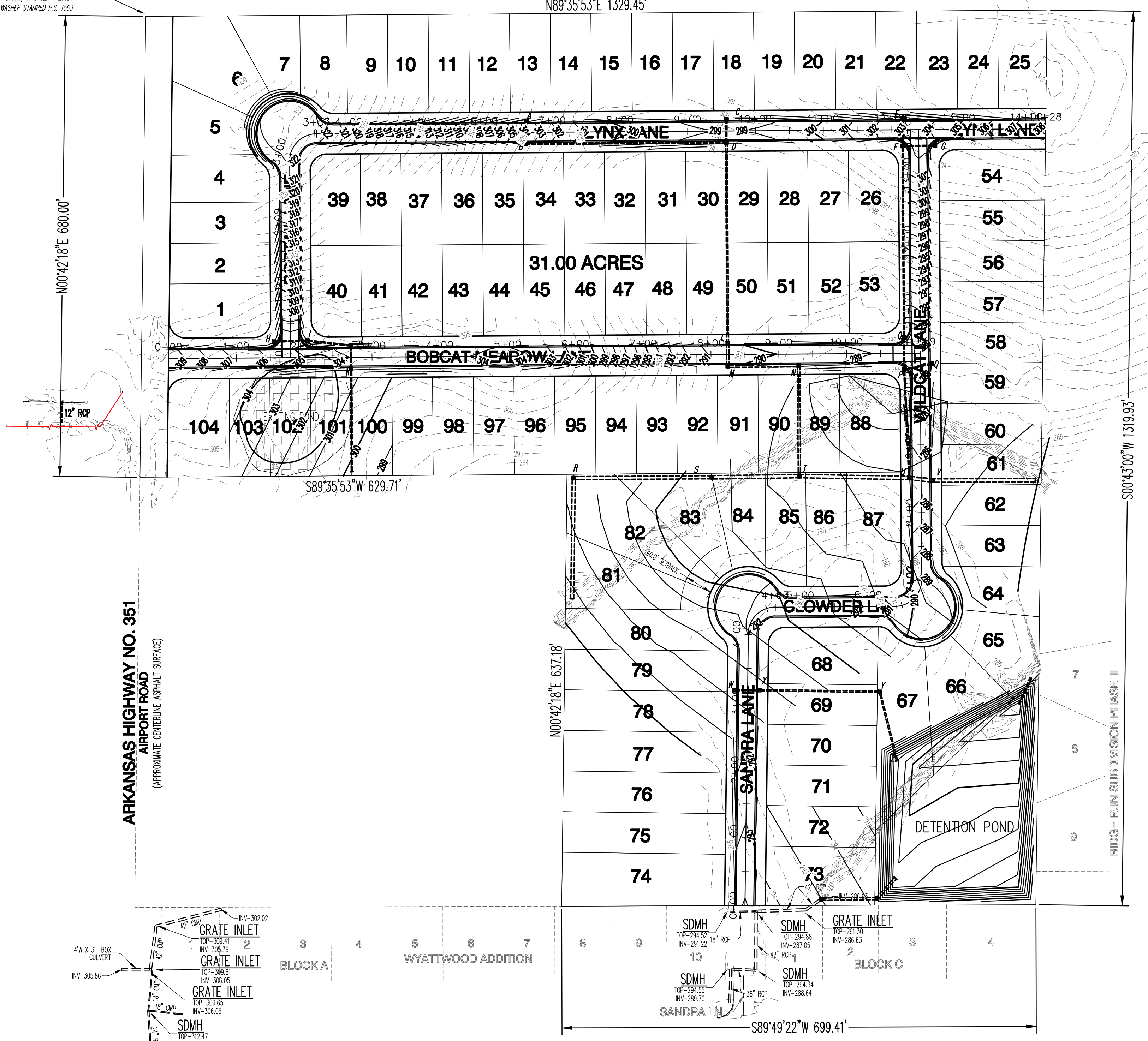
SCALE
1"=100'

DRAWING NO.
20-52



LOTS BY METES AND BOUNDS DESCRIPTION

POINT OF BEGINNING
CENTER OF SECTION 10,
TOWNSHIP 14 NORTH, RANGE 4 EAST
MAG SPIKE W/ WASHER STAMPED P.S. 1563



| STRUCTURE TABLE | | | |
|-----------------|--|--|-----------------------------|
| STRUCTURE NAME: | DETAILS: | PIPES IN: | PIPES OUT |
| A** | RIM = 304.25 INV OUT = 298.69 | | 7, 18" INV OUT = 298.69 |
| B | RIM = 304.25 INV IN = 298.35 INV OUT = 298.35 | 7, 18" INV IN = 298.35 | 6, 18" INV OUT = 298.35 |
| C*** | RIM = 298.99 INV OUT = 293.10 | | 5, 18" INV OUT = 293.10 |
| D* | RIM = 298.99 INV IN = 292.42 INV IN = 292.42 INV OUT = 292.42 | 5, 18" INV IN = 292.42 6, 18" INV IN = 292.42 | 4, 30" INV OUT = 292.42 |
| E | RIM = 303.50 INV IN = 299.50 | | 4, 18" INV OUT = 299.50 |
| F | RIM = 303.50 INV IN = 299.00 INV OUT = 299.00 | 4, 18" INV IN = 299.00 | 3, 18" INV OUT = 299.00 |
| G | RIM = 304.25 INV OUT = 300.25 | | 1, 18" INV OUT = 300.25 |
| H* | RIM = 306.25 INV OUT = 302.25 | | 4, 18" INV OUT = 302.25 |
| I | RIM = 304.90 INV IN = 300.57 INV OUT = 300.57 | 4, 18" INV IN = 300.57 | 3, 18" INV OUT = 300.57 |
| J | RIM = 303.52 INV IN = 299.92 INV OUT = 299.92 | 3, 18" INV IN = 299.92 | 2, 24" INV OUT = 299.92 |
| K | RIM = 303.97 INV IN = 299.75 INV OUT = 299.75 | 2, 24" INV IN = 299.75 | 1, 24" INV OUT = 299.75 |
| L | RIM = 290.50 INV IN = 285.02 INV OUT = 285.02 | 4, 30" INV IN = 285.02 | 3, 42" INV OUT = 285.02 |
| M | RIM = 290.50 INV IN = 284.68 INV OUT = 284.68 | 3, 42" INV IN = 284.68 | 2, 42" INV OUT = 284.68 |
| N | RIM = 289.77 INV IN = 283.63 INV OUT = 283.63 | 2, 42" INV IN = 283.63 | 1, 42" RCP INV OUT = 283.63 |
| O** | RIM = 289.70 INV IN = 284.70 INV OUT = 284.70 | 3, 18" INV IN = 284.70 | 2, 18" INV OUT = 284.70 |

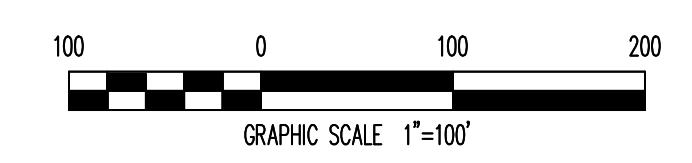
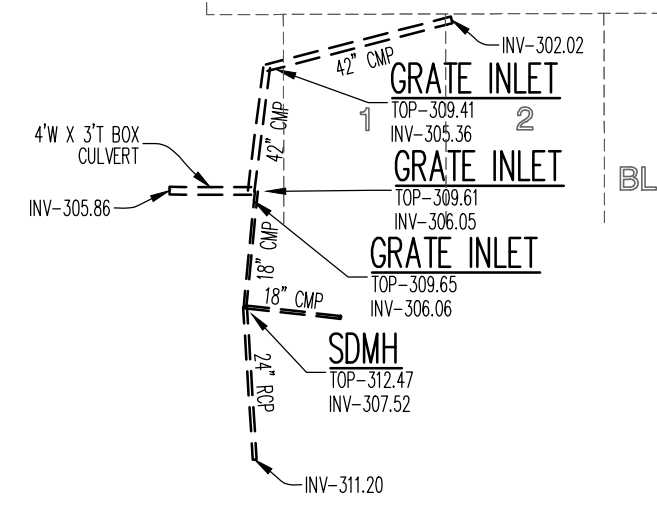
| STRUCTURE TABLE | | | |
|-----------------|---|------------------------|-------------------------|
| STRUCTURE NAME: | DETAILS: | PIPES IN: | PIPES OUT |
| Outfall - 1 | RIM = 302.00 INV IN = 299.00 | 1, 24" INV IN = 299.00 | |
| P | RIM = 288.75 INV IN = 281.60 INV OUT = 281.60 | 2, 18" INV IN = 281.60 | 1, 18" INV OUT = 281.60 |
| Q | RIM = 288.75 INV OUT = 284.75 | | 1, 18" INV OUT = 284.75 |
| R | RIM = 291.00 INV IN = 283.88 INV OUT = 283.78 | 6, 54" INV IN = 283.88 | 5, 54" INV OUT = 283.78 |
| S | RIM = 291.00 INV IN = 281.95 INV OUT = 281.95 | 5, 54" INV IN = 281.95 | 4, 60" INV OUT = 281.95 |
| T | RIM = 290.00 INV IN = 280.98 INV OUT = 280.98 | 4, 60" INV IN = 280.98 | 3, 60" INV OUT = 280.98 |
| U | RIM = 285.57 INV IN = 279.36 INV OUT = 279.36 | 3, 60" INV IN = 279.36 | 2, 60" INV OUT = 279.36 |
| V | RIM = 285.57 INV IN = 279.01 INV OUT = 279.01 | 2, 60" INV IN = 279.01 | 1, 60" INV OUT = 279.01 |
| W** | RIM = 291.60 INV OUT = 285.24 | | 3, 24" INV OUT = 285.24 |
| WYATT 1 | RIM = 291.30 INV OUT = 286.60 | | 2, 42" INV OUT = 286.60 |
| WYATT 2 | RIM = 291.30 INV IN = 283.21 INV OUT = 283.21 | 2, 42" INV IN = 283.21 | 1, 42" INV OUT = 283.21 |
| WYATT 3 | RIM = 285.00 INV IN = 282.00 | 1, 42" INV IN = 282.00 | |
| X* | RIM = 291.60 INV IN = 284.87 INV OUT = 284.87 | 3, 24" INV IN = 284.87 | 2, 24" INV OUT = 284.87 |
| Y | RIM = 290.50 INV IN = 283.10 INV OUT = 283.10 | 2, 24" INV IN = 283.10 | 1, 24" INV OUT = 283.10 |
| Z | RIM = 0.00 | | |

- * - 4' EXTENDED THROAT
- ** - 8' EXTENDED THROAT
- *** - 12' EXTENDED THROAT

- * - 4' EXTENDED THROAT
- ** - 8' EXTENDED THROAT
- *** - 12' EXTENDED THROAT

ENGINEER'S NOTES:

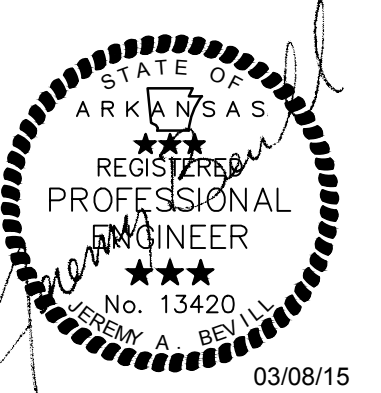
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ADEQUATE EROSION/SEDIMENTATION CONTROL DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING MUD AND DEBRIS OFF CITY STREETS AND OFF OF PAVED DRIVEWAYS WHERE APPLICABLE. CLEAN UP IS REQUIRED DAILY.
- CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF SIDEWALK, CURB AND GUTTER AND/OR ASPHALT/CONCRETE DAMAGED DURING CONSTRUCTION.
- DEVIATION FROM ENGINEERING DESIGN PLANS IS NOT PERMITTED. ANY CHANGE IN THE CONSTRUCTION DOCUMENTS THAT ARE NOT APPROVED BY THE ENGINEER, WILL RESULT IN CONSTRUCTION TERMINATION UNTIL A RESOLUTION IS MET. ANY UNAPPROVED MODIFICATION NEEDED TO UPDATE DESIGN PLANS ACCORDING TO CITY REQUIREMENTS, WILL RESULT IN ADDITIONAL DESIGN EXPENSES TO THE OWNER.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER/DEVELOPER OF ANY INFORMATION FOUND IN THE FIELD THAT IS DIFFERENT FROM WHAT IS SHOWN ON THESE DESIGN PLANS.
- THE GRADING OF THE PROPERTY SHALL BE LIMITED TO DAYLIGHT HOURS.
- ALL FILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR.
- ALL DISTURBED AREAS ARE TO BE SEEDDED AND STABILIZED UPON COMMENCEMENT OF EARTHWORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL CITY, STATE, OR FEDERAL PERMIT FEES ASSOCIATED WITH CONSTRUCTION.
- A GRADING PERMIT SHALL BE OBTAINED FROM CITY OF JONESBORO PRIOR TO THE COMMENCEMENT OF EARTHWORK.



GRADING AND DRAINAGE PLAN

STREET PLAN AND PROFILE

ALL OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10,
TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS.



JEREMY A. BEVELL - CIVIL ENGINEER
ARKANSAS - PE # 13420



Haywood, Kenward, Bare,
and Associates, Inc.
ARKANSAS - 234

CLIENT:
TROUTT

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| REVISIONS | | |
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| DATE | BY | DESCRIPTION |
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PROJECT NO.
JB9393

DRAWN BY
MJR

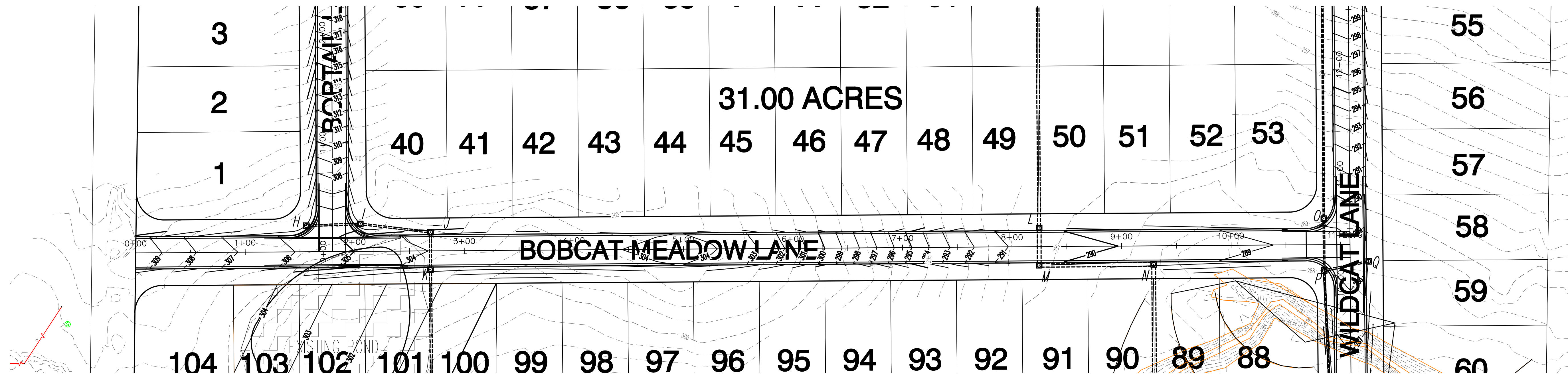
CHECKED BY
JAB

SHEET
C7

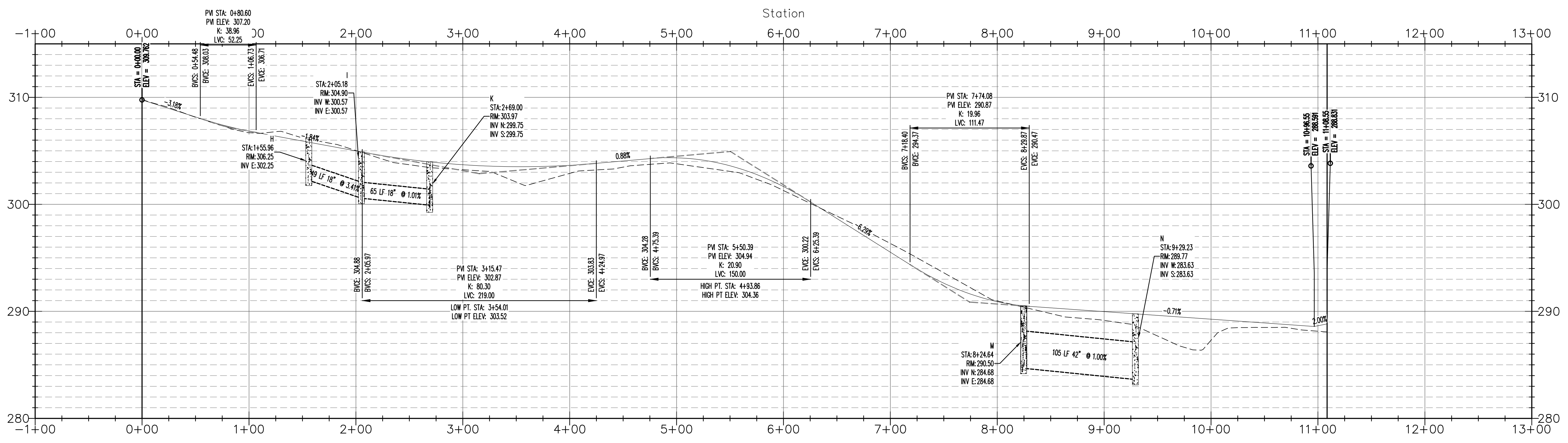
DATE
03/08/2016

SCALE
1"=50'

DRAWING NO.
21-76

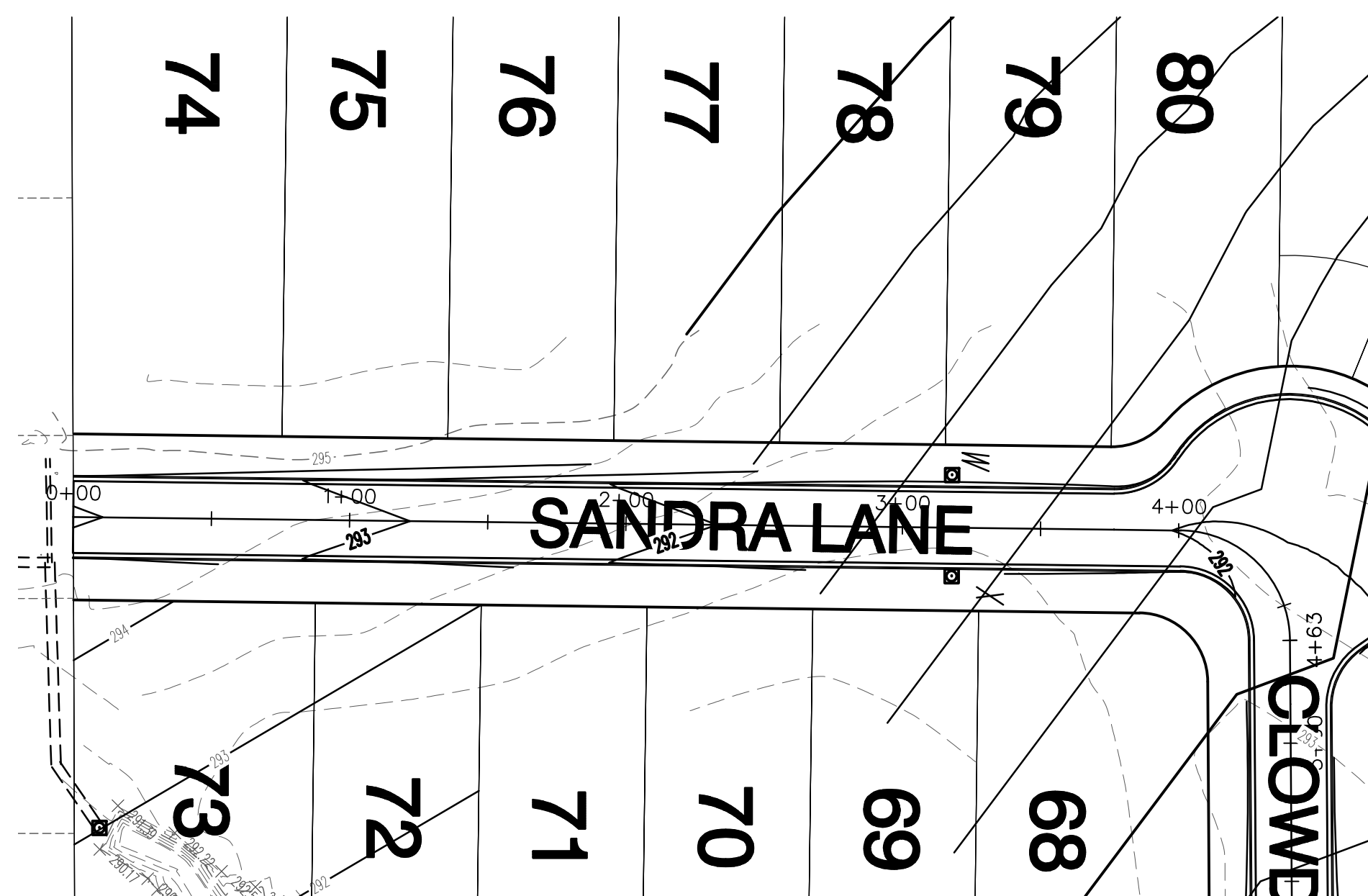


BOBCAT LANE PROFILE

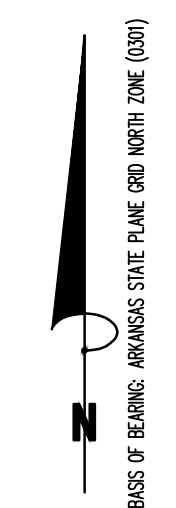
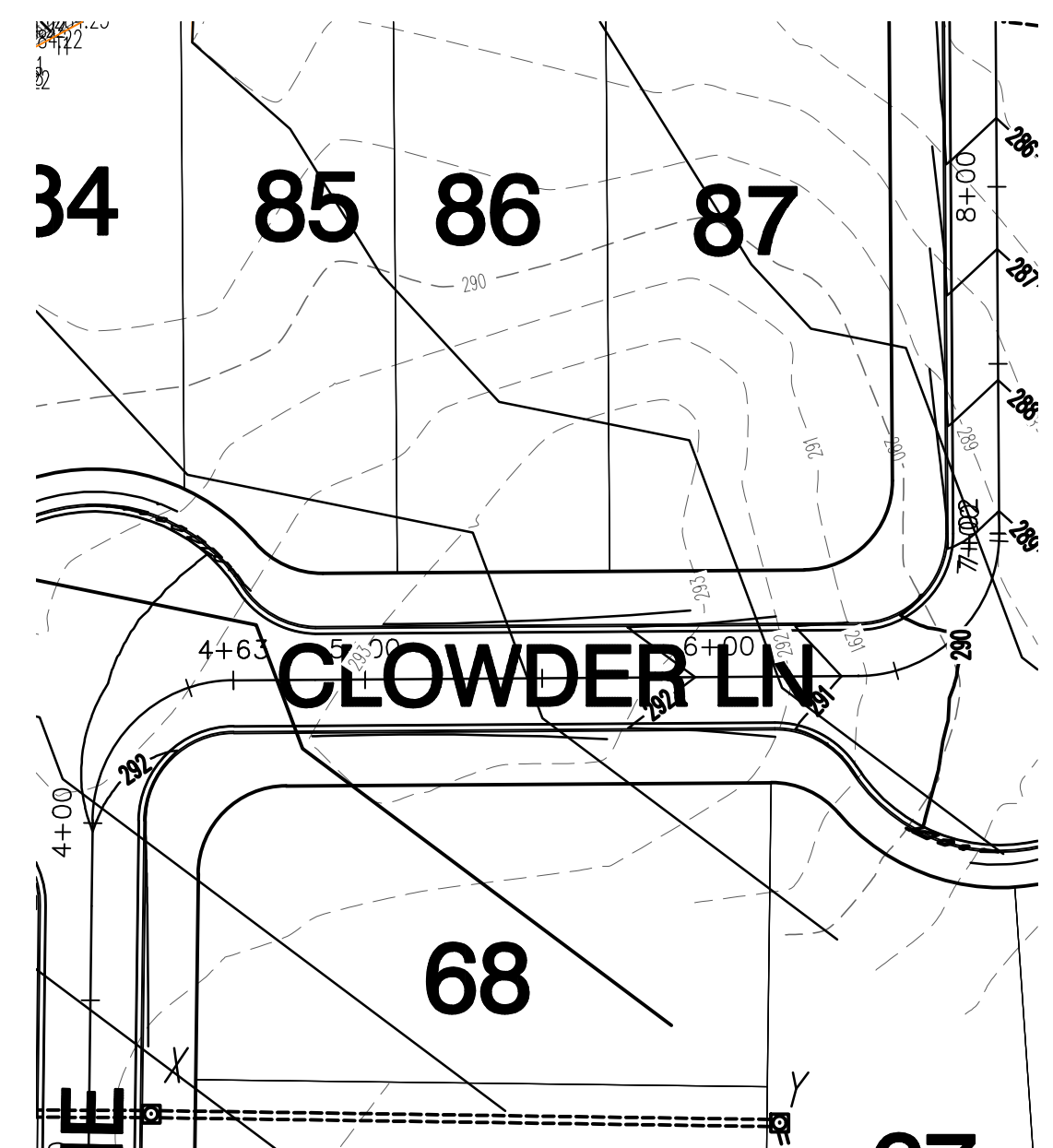


VERTICAL SCALE 1:5
HORIZONTAL SCALE 1:50
STREET PLAN AND PROFILE

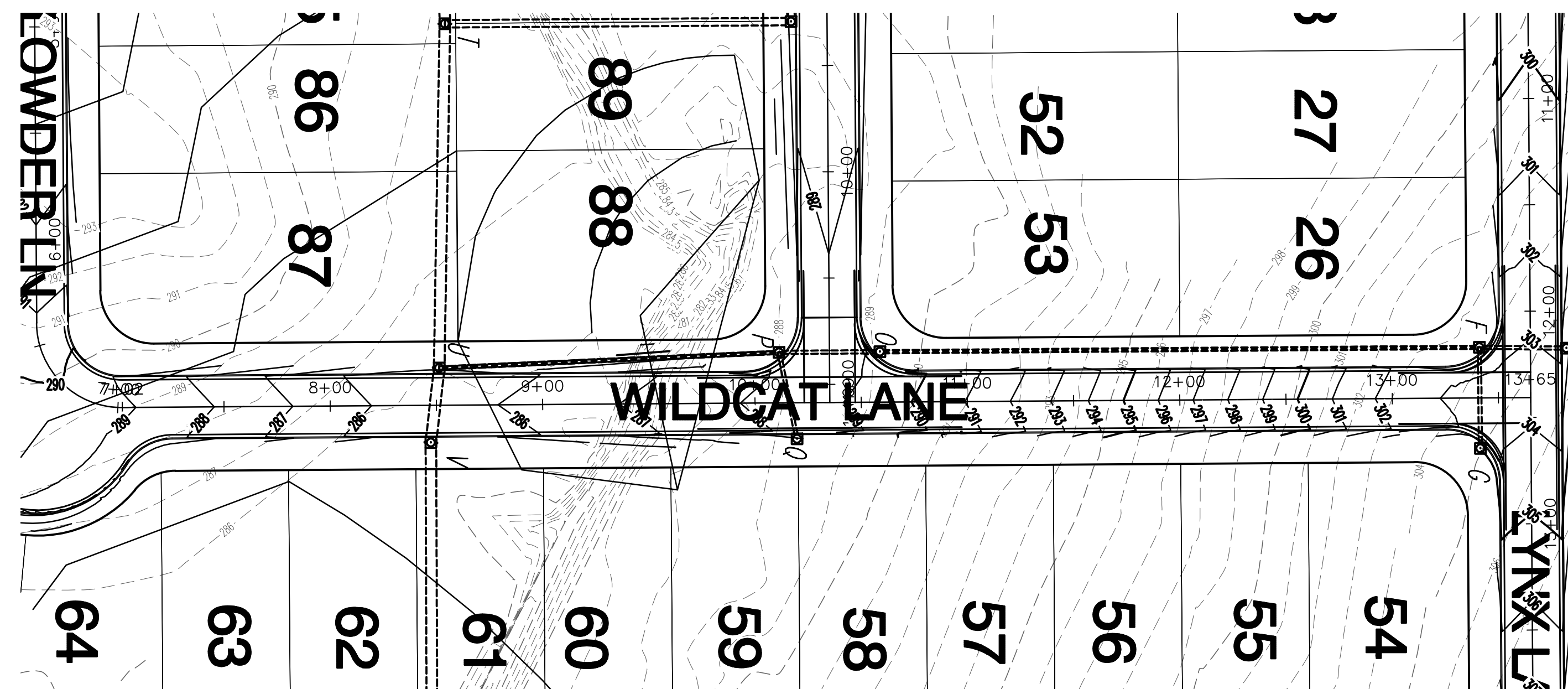
BASE OF BEARING: ARKANSAS STATE PLANE GRID NORTH ZONE (0301)



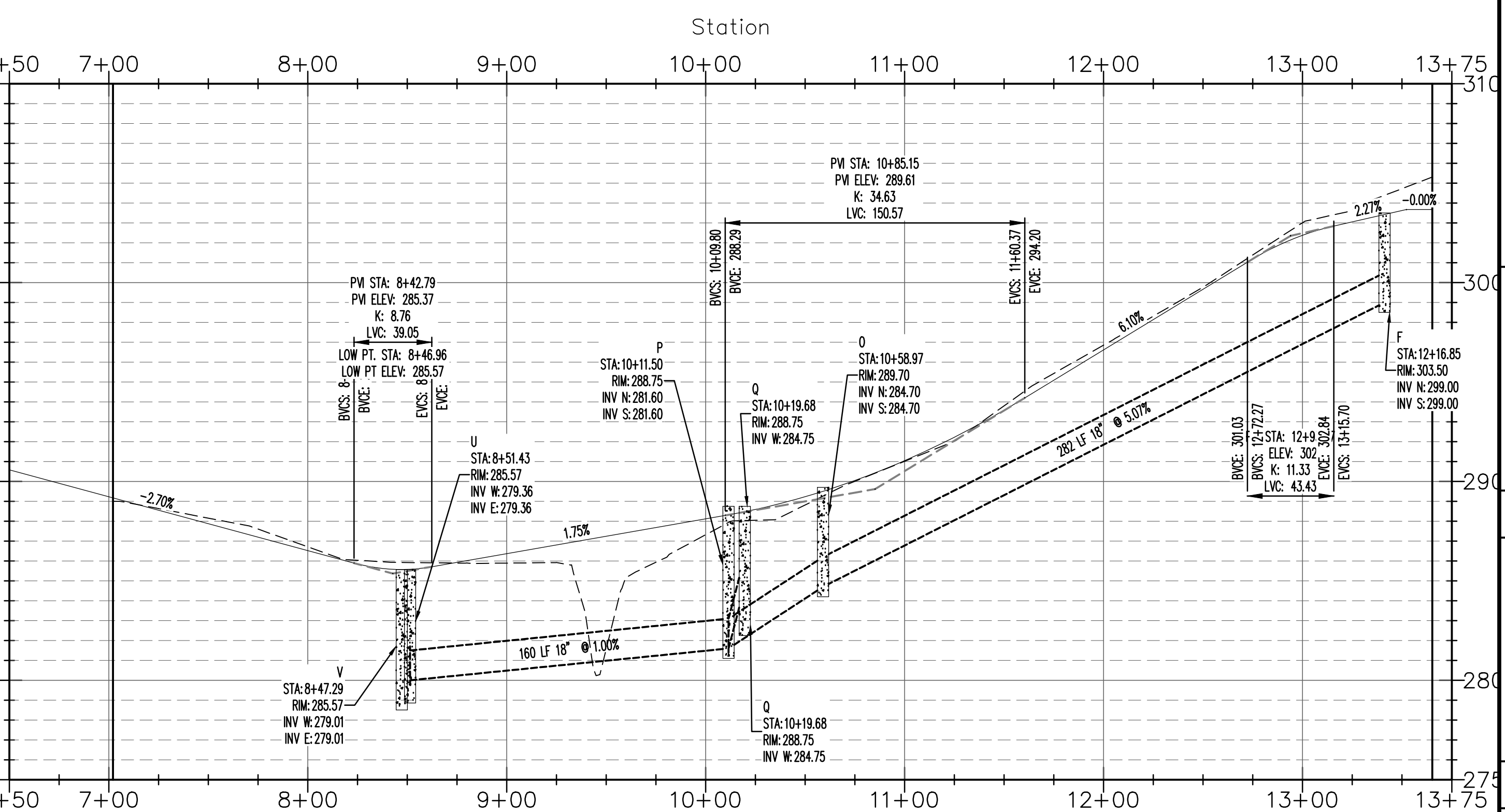
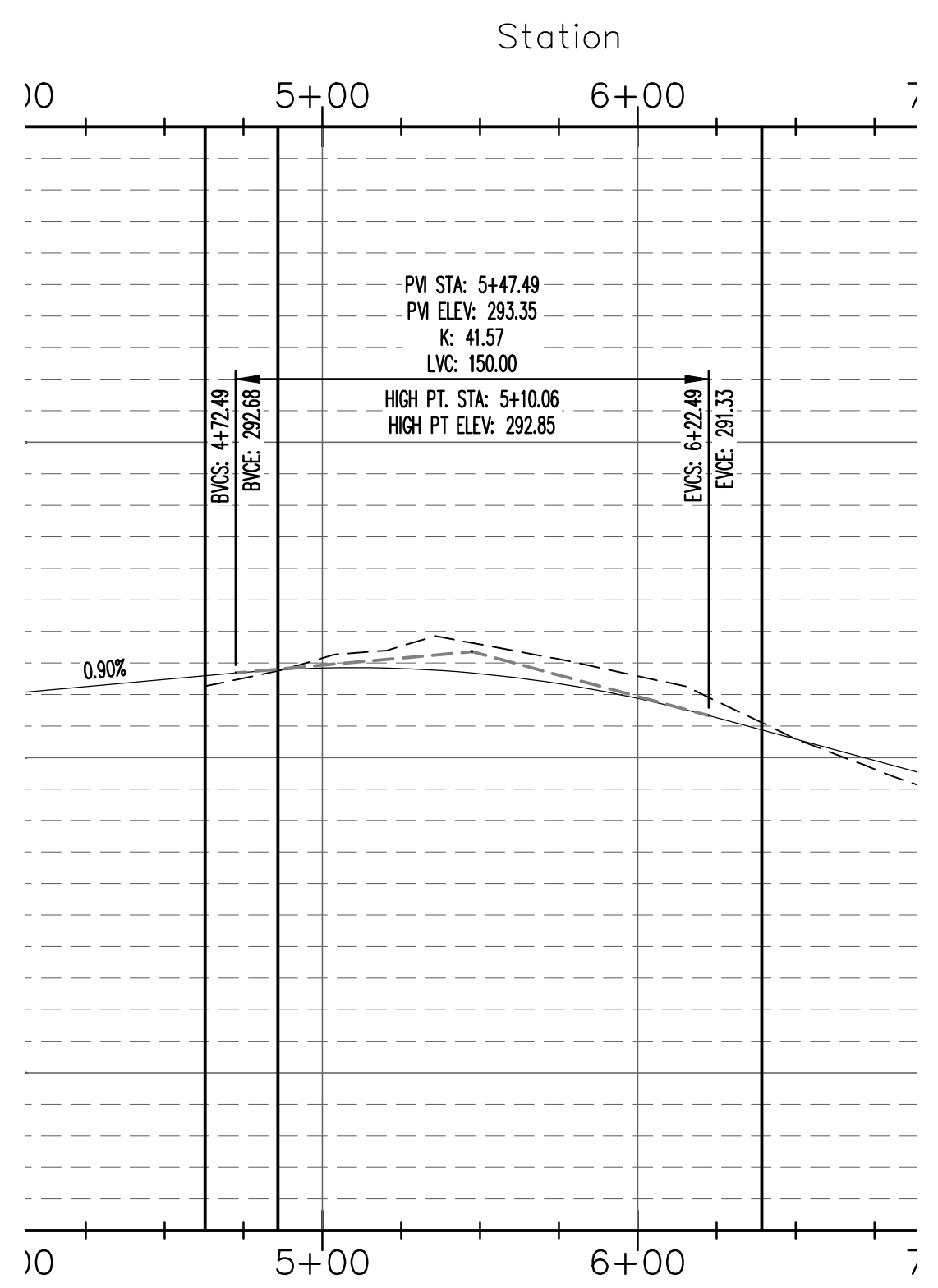
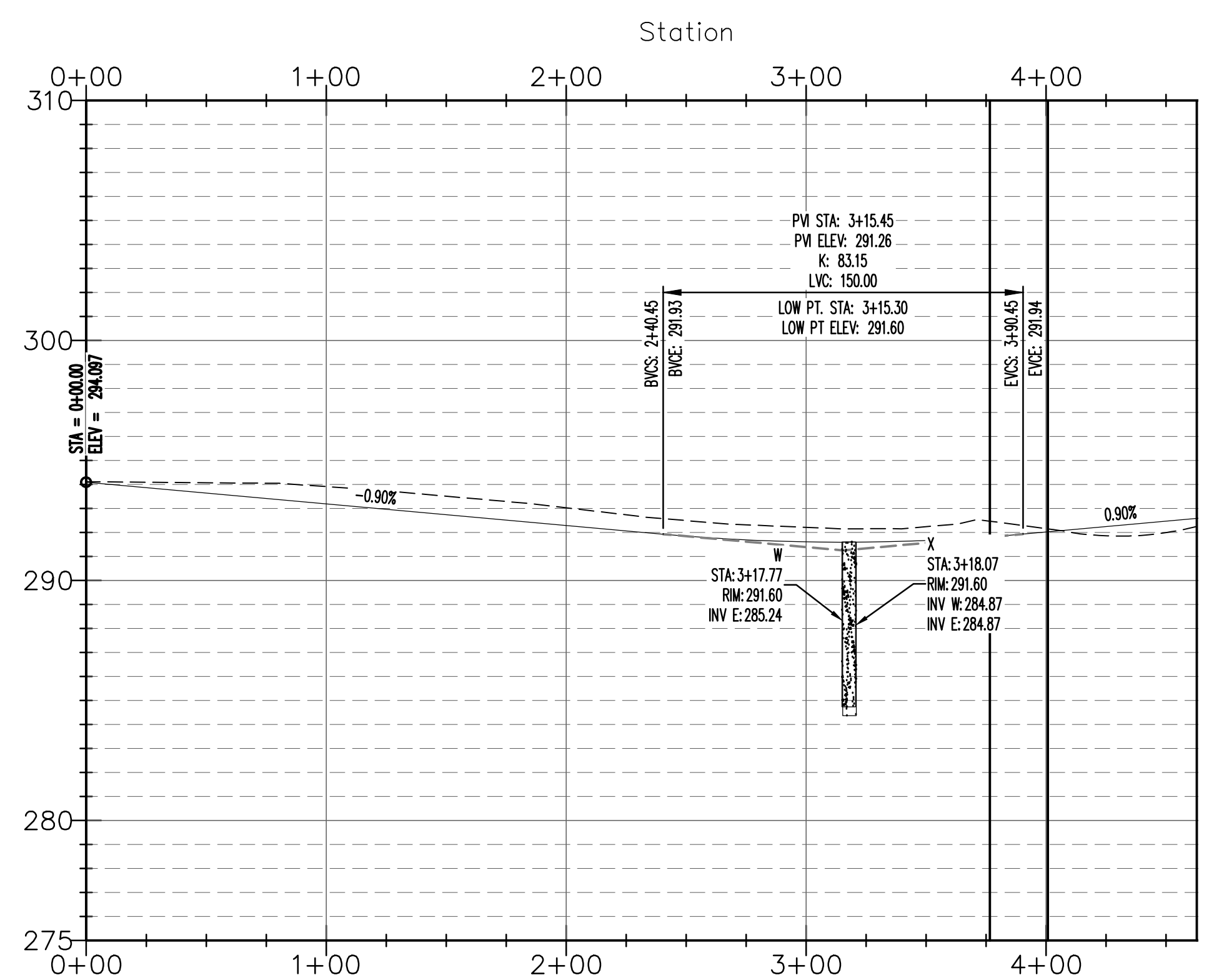
SANDRA LANE



CLOWDER LANE



WILDCAT LANE



JEREMY A. BEVELL - CIVIL ENGINEER
ARKANSAS - PE # 13420



HAYWOOD, KENWARD, BARE & ASSOCIATES, INC.
ARKANSAS - 234

CLIENT: TROUTT

REVISIONS

| DATE | BY | DESCRIPTION |
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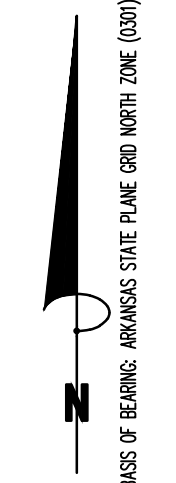
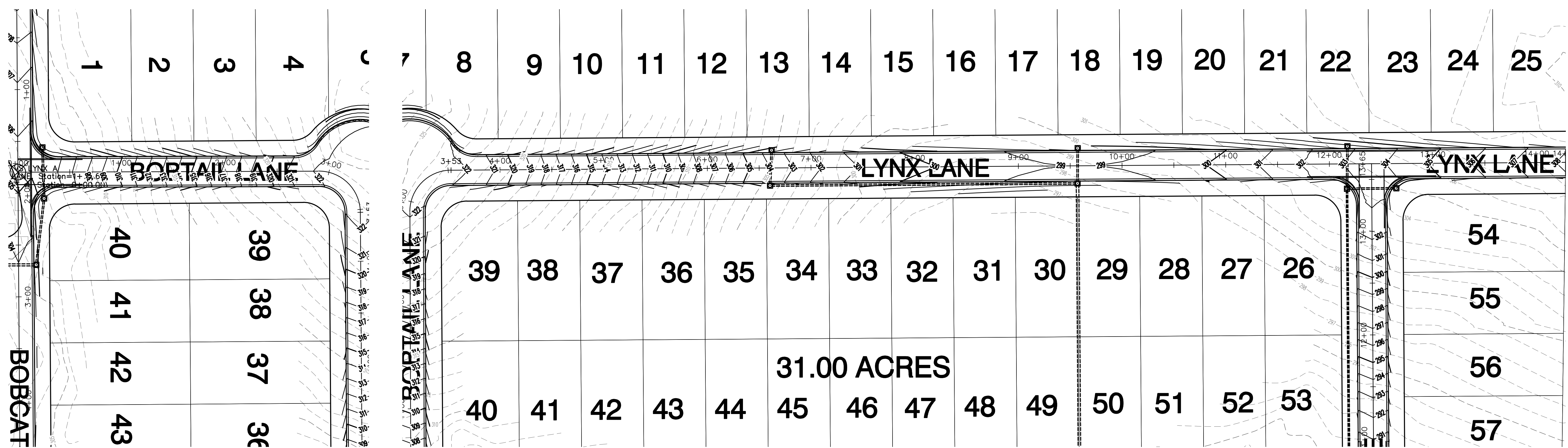
PROJECT NO: JB9393

DRAWN BY: MJR CHECKED BY: JAB

SHEET: C8 SCALE: 1"=50'

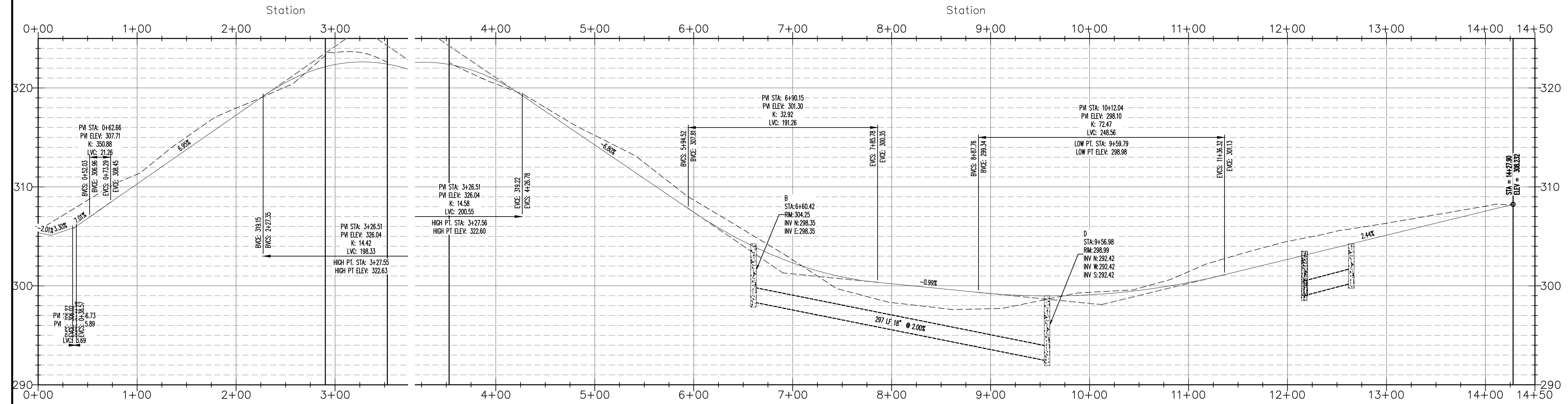
DATE: 03/08/2016 DRAWING NO: 21-76

VERTICAL SCALE 1:5
HORIZONTAL SCALE 1:50
STREET PLAN AND PROFILE



BOBTAIL LANE

LYNX LANE



**VERTICAL SCALE 1:5
HORIZONTAL SCALE 1:50
STREET PLAN AND PROFILE**



JEREMY A. BEVELL - CIVIL ENGINEER
ARKANSAS - PE # 13420



Haywood, Kenward, Bare,
and Associates, Inc.
ARKANSAS - 234

CLIENT:
TROUTT

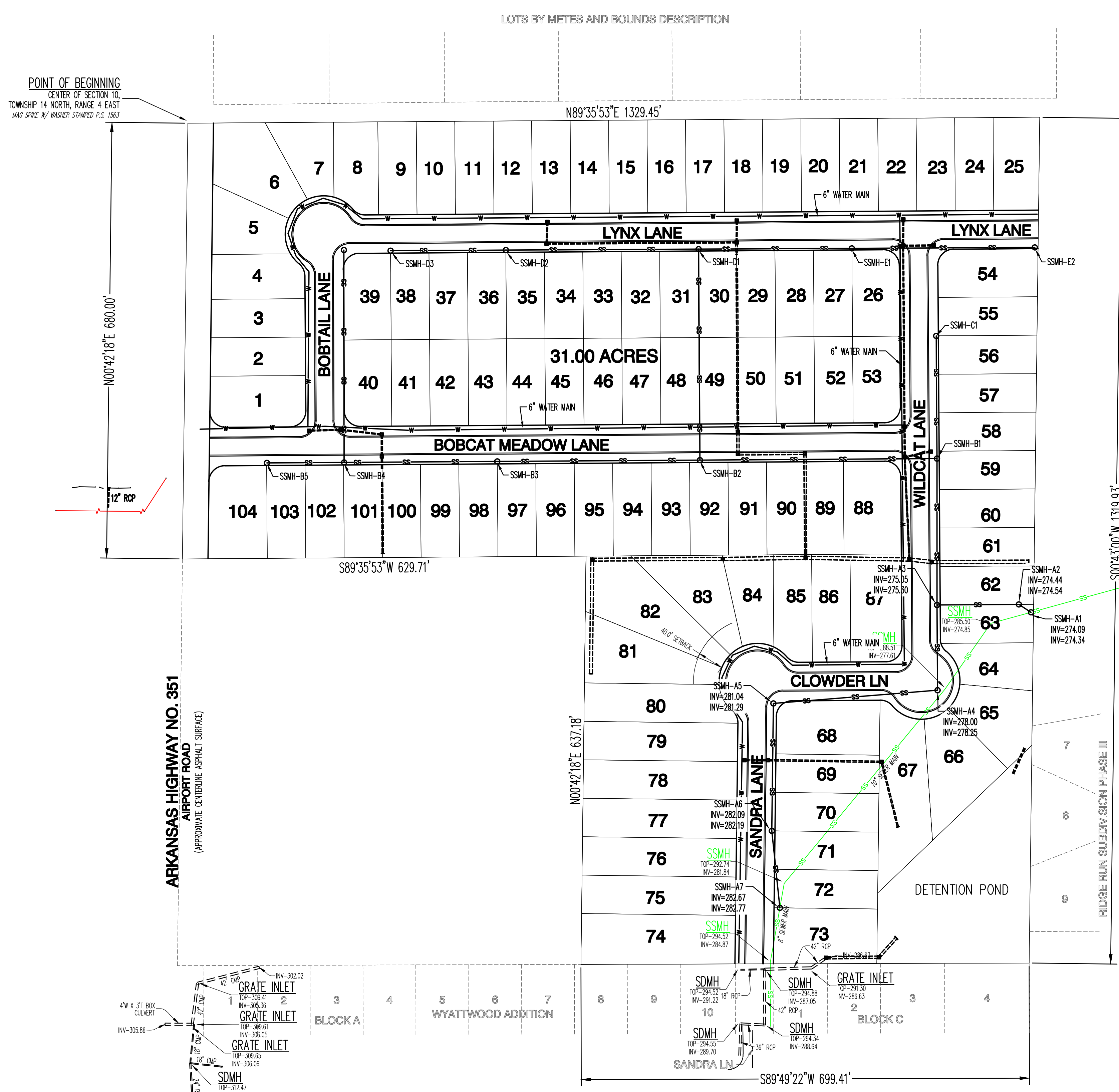
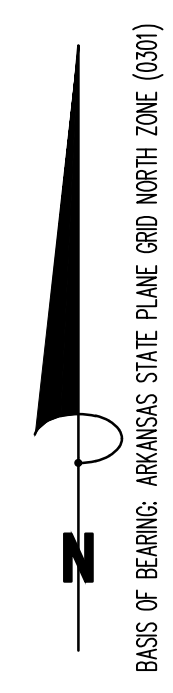
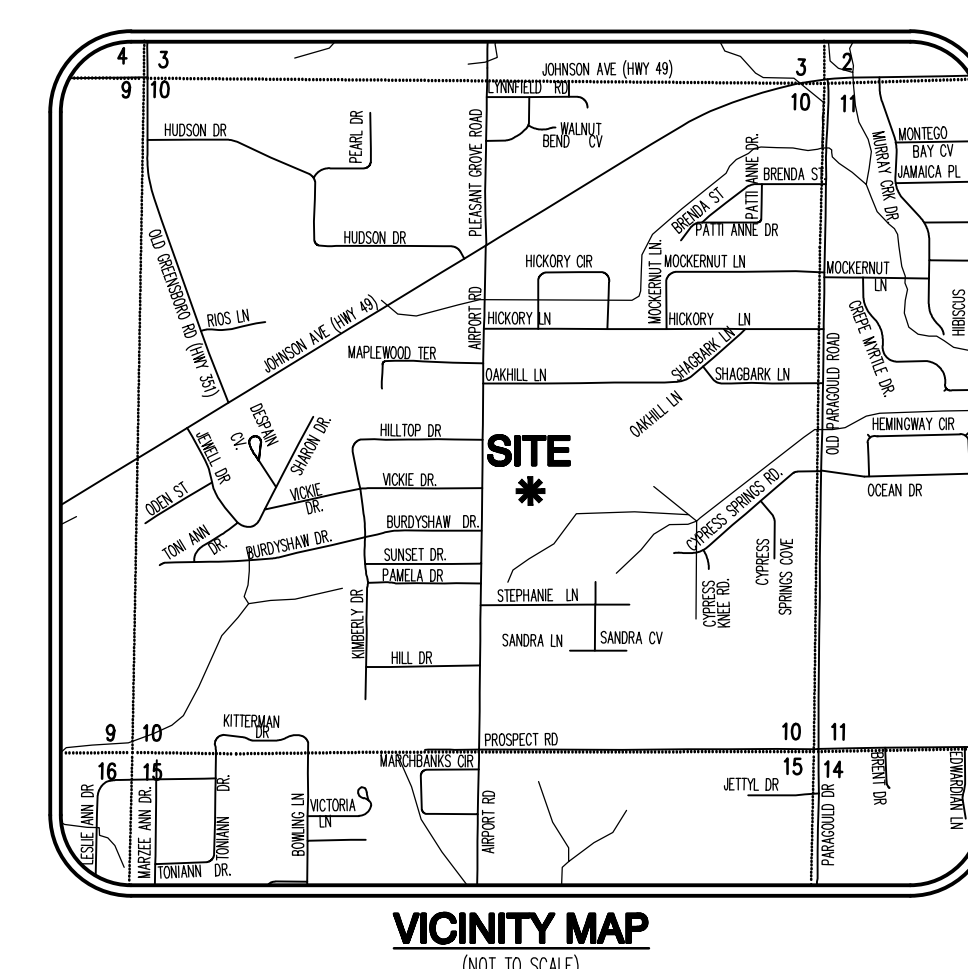
COPYRIGHT 2016, ALL RIGHTS RESERVED

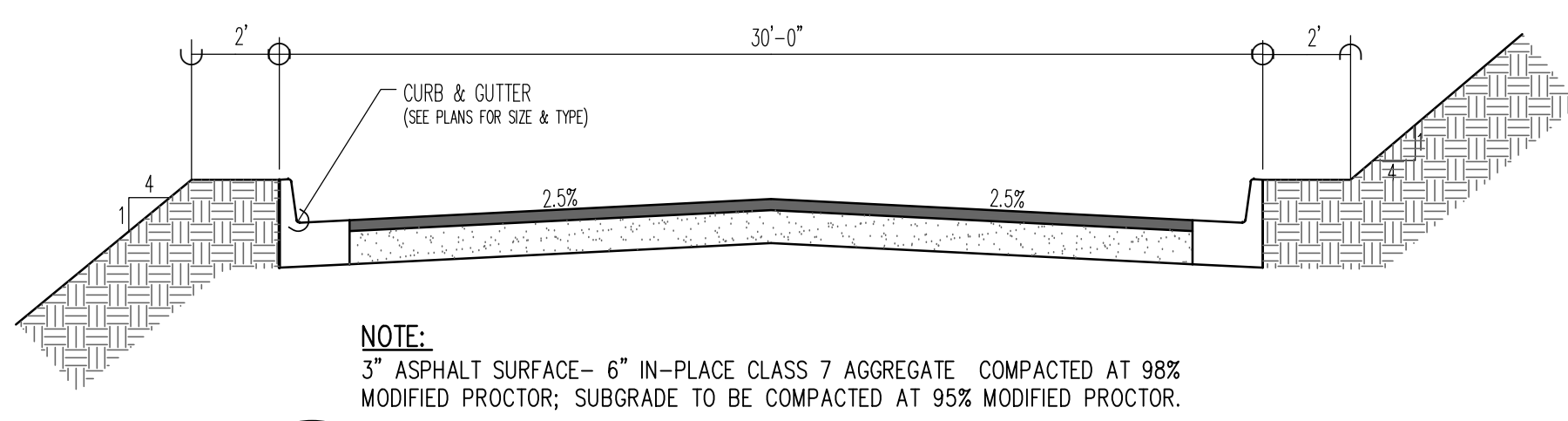
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| PROJECT NO. JB9393 | |
| DRAWN BY MJR | CHECKED BY JAB |
| SHEET C9 | SCALE 1"=50' |
| DATE 03/08/2016 | DRAWING NO. 21-76 |

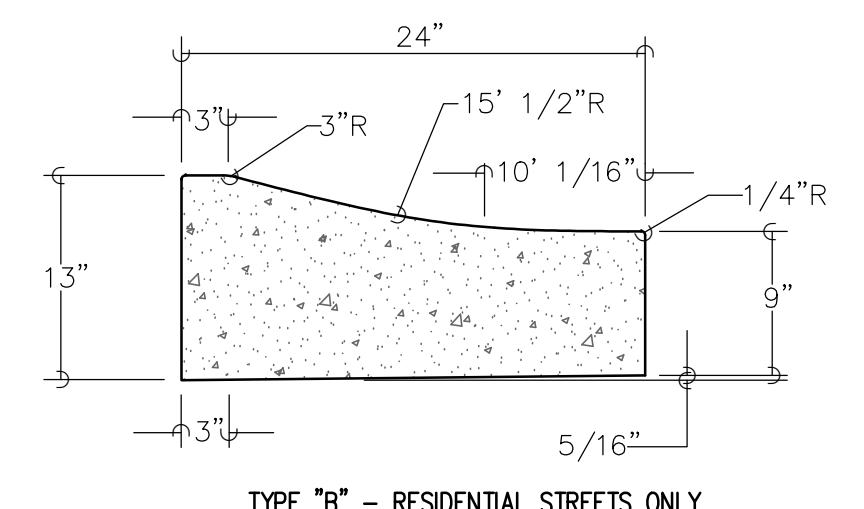
UTILITY PLAN

ALL OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 14 NORTH, RANGE 4 EAST, JONESBORO, CRAIGHEAD COUNTY, ARKANSAS.

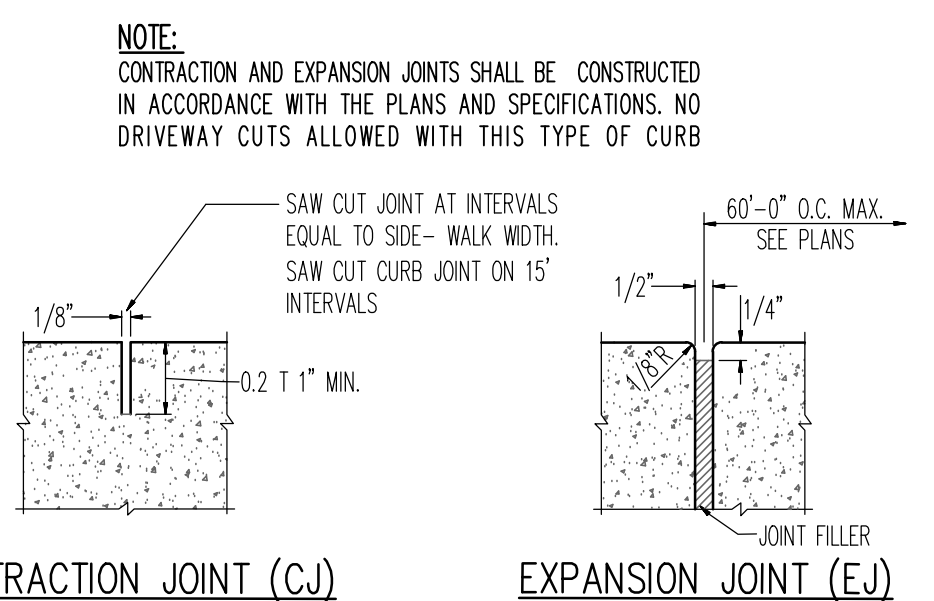




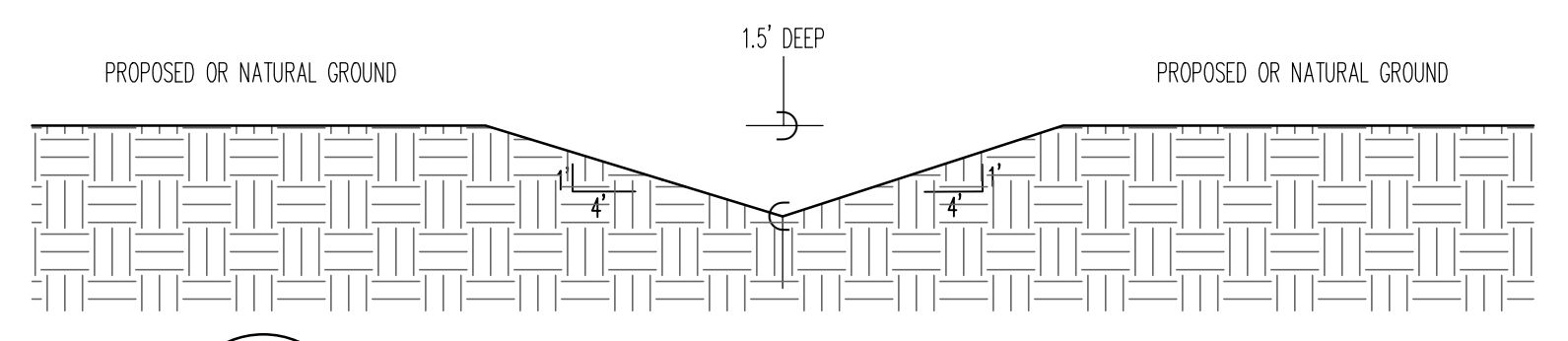
1 TYPICAL STREET CROSS SECTION
N.T.S.



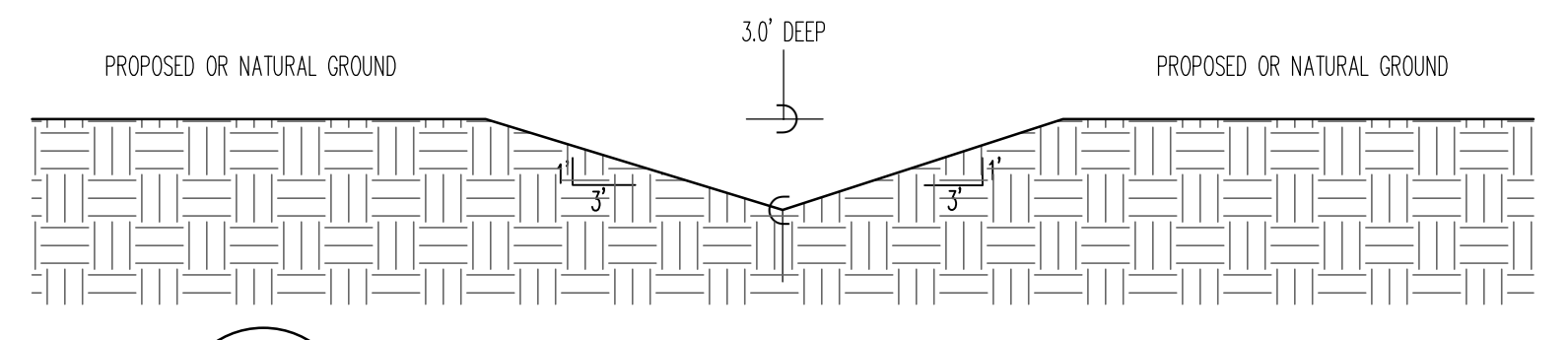
2 MOUNTABLE CURB AND GUTTER
N.T.S.



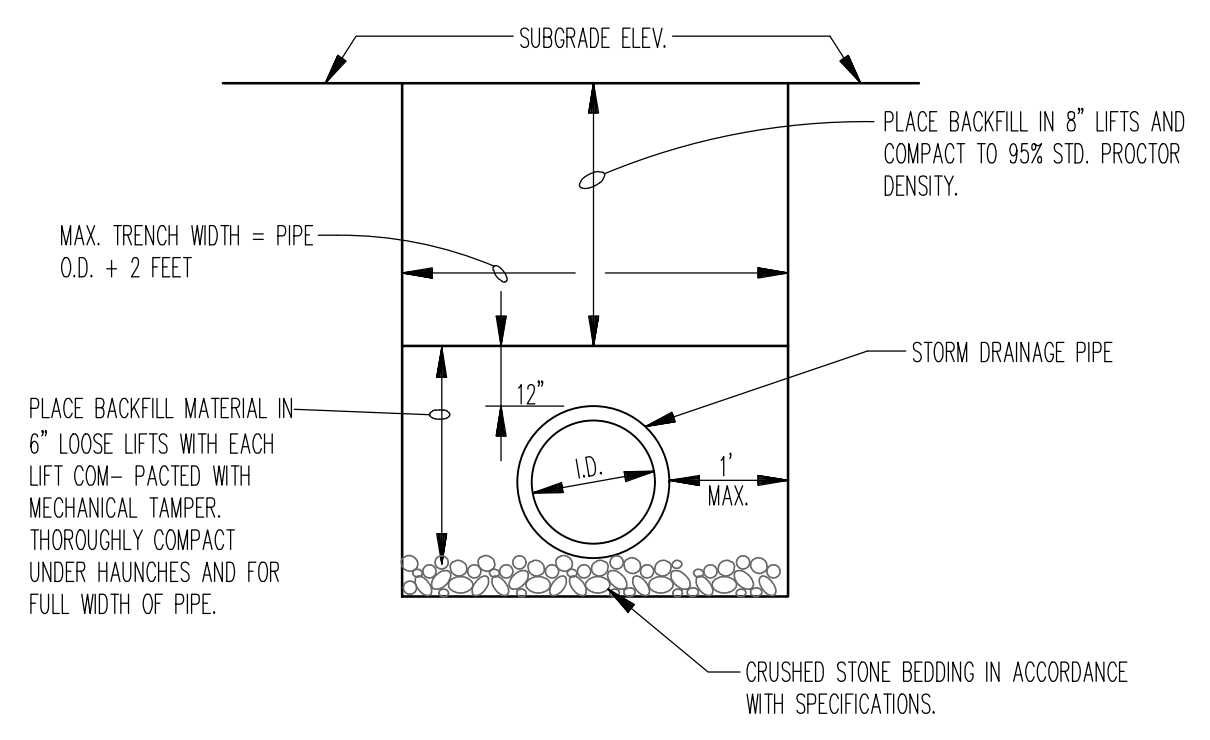
3 JOINTS FOR CURB AND WALKS
N.T.S.



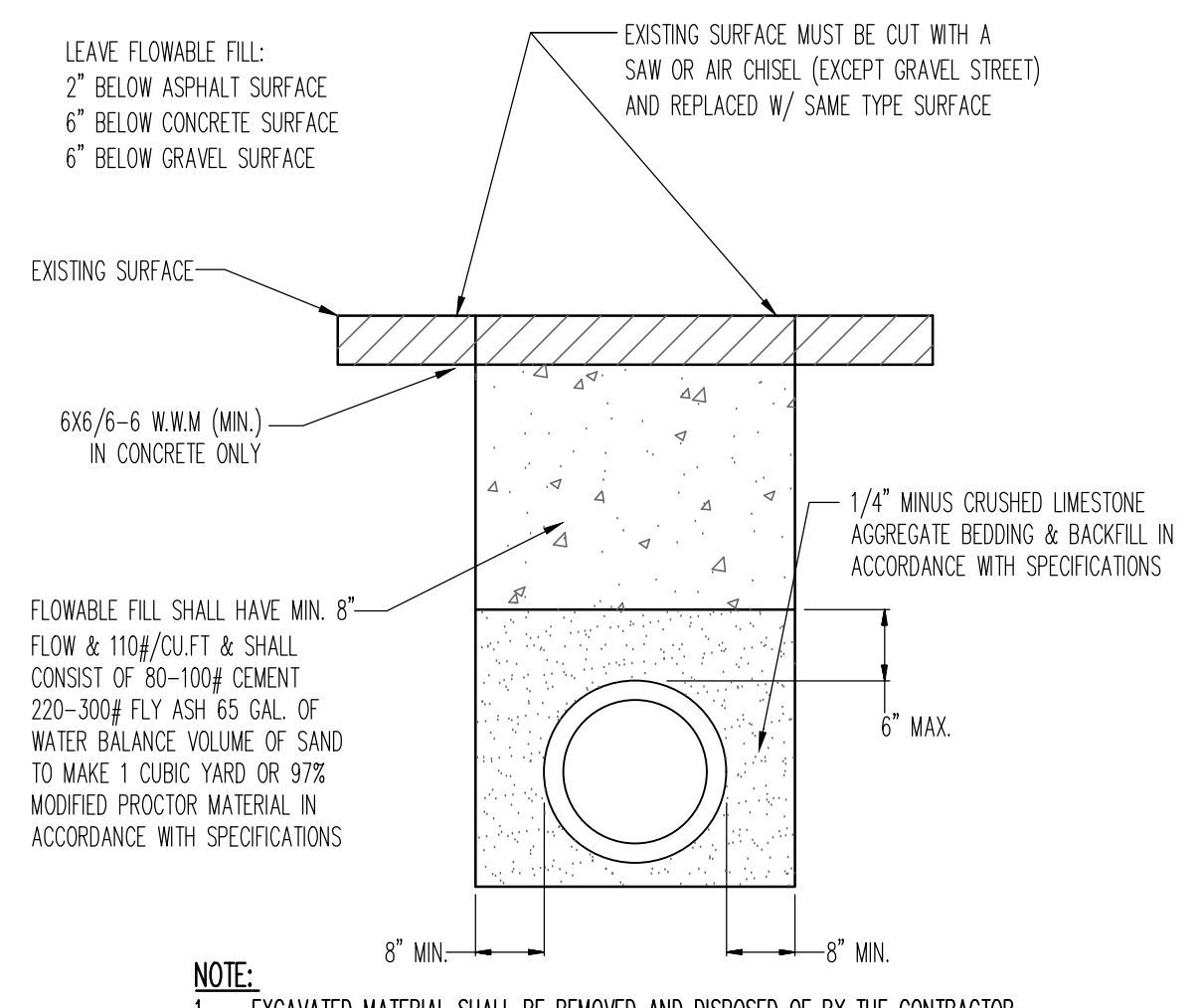
4 V-BOTTOM DITCH (4 TO 1 SIDE SLOPES)
N.T.S.



5 V-BOTTOM DITCH (3 TO 1 SIDE SLOPES)
N.T.S.



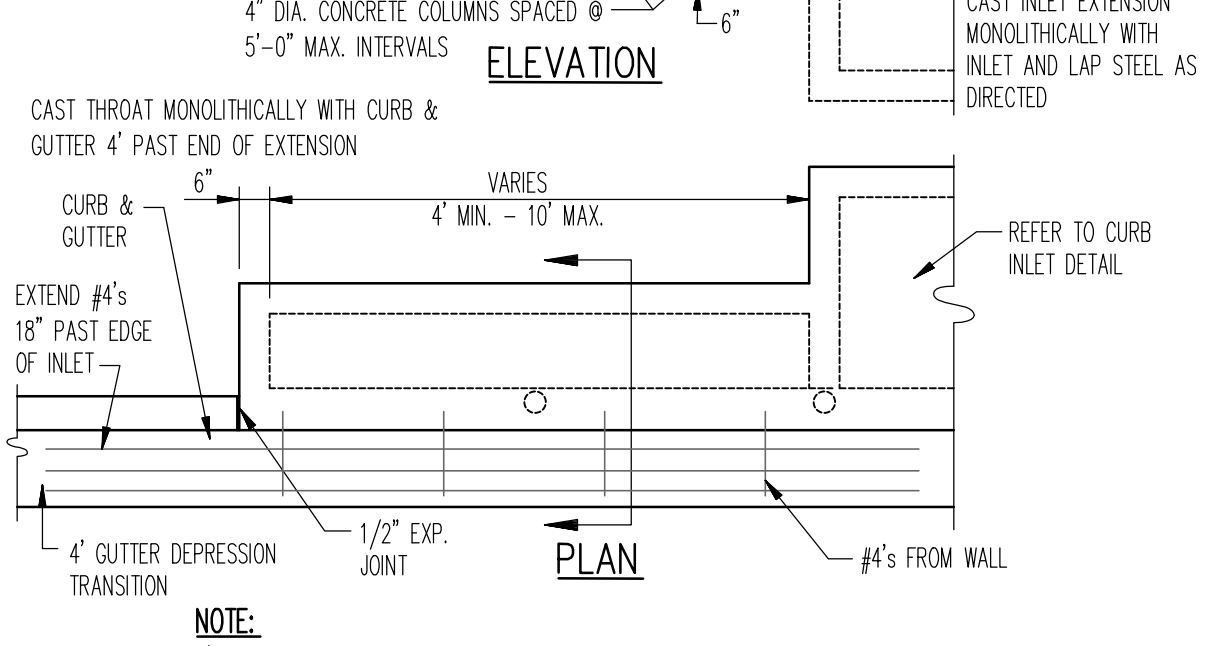
6 PIPE TRENCH DETAIL AT LAWN / LANDSCAPE AREAS
N.T.S.



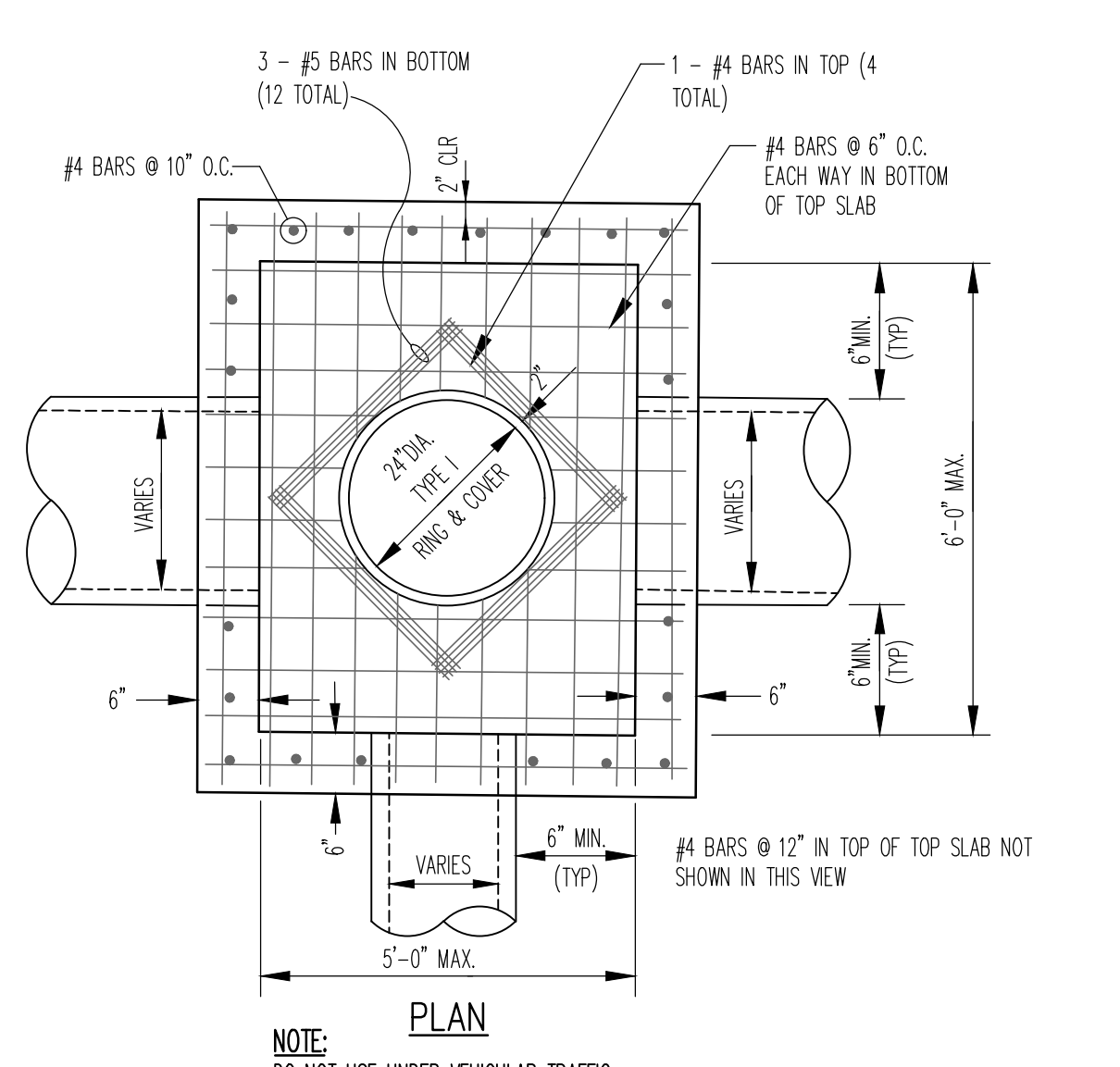
7 PIPE TRENCH DETAIL AT EXISTING STREET OR PROPOSED PAVING
N.T.S.



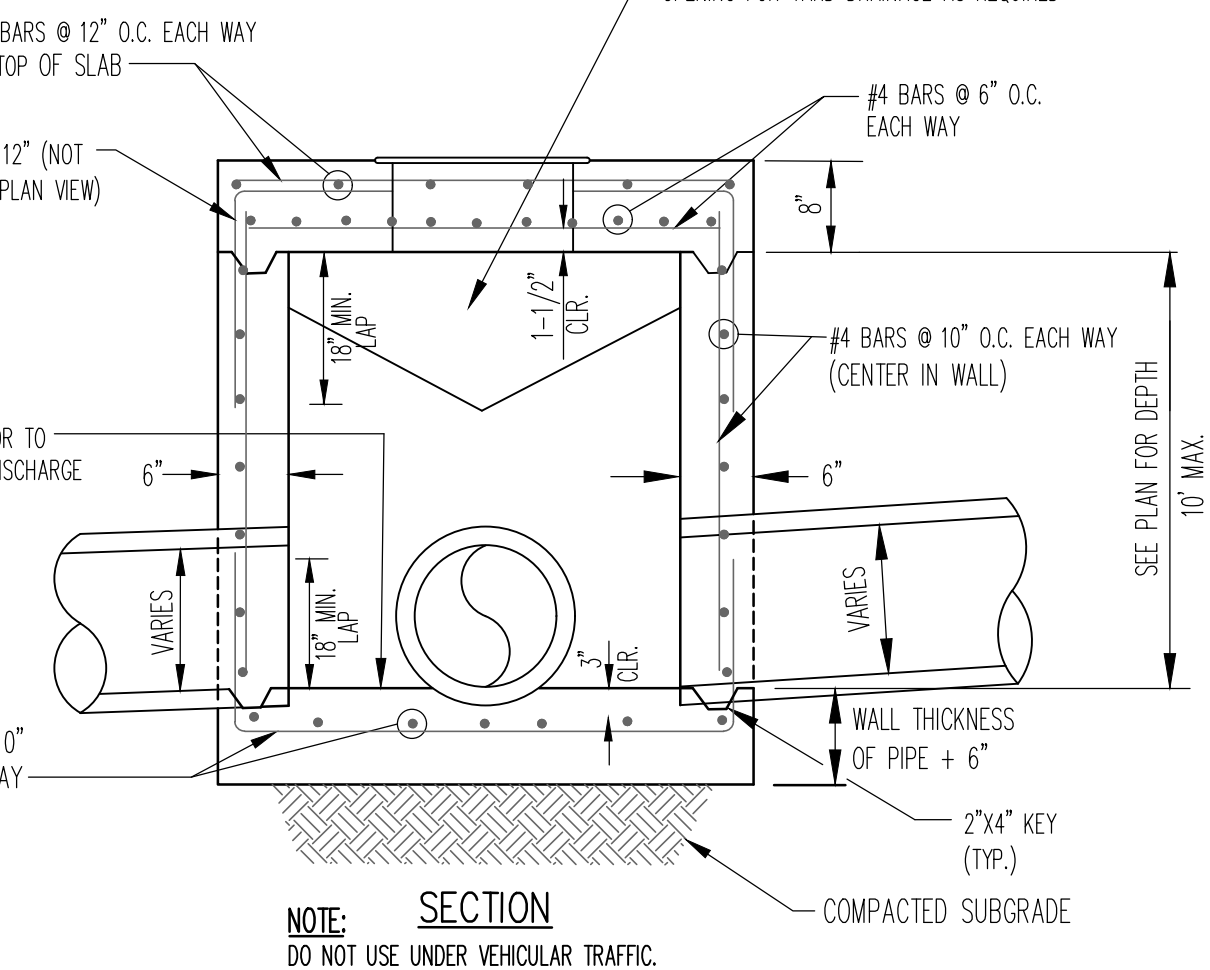
8 CURB INLET EXTENSION
N.T.S.



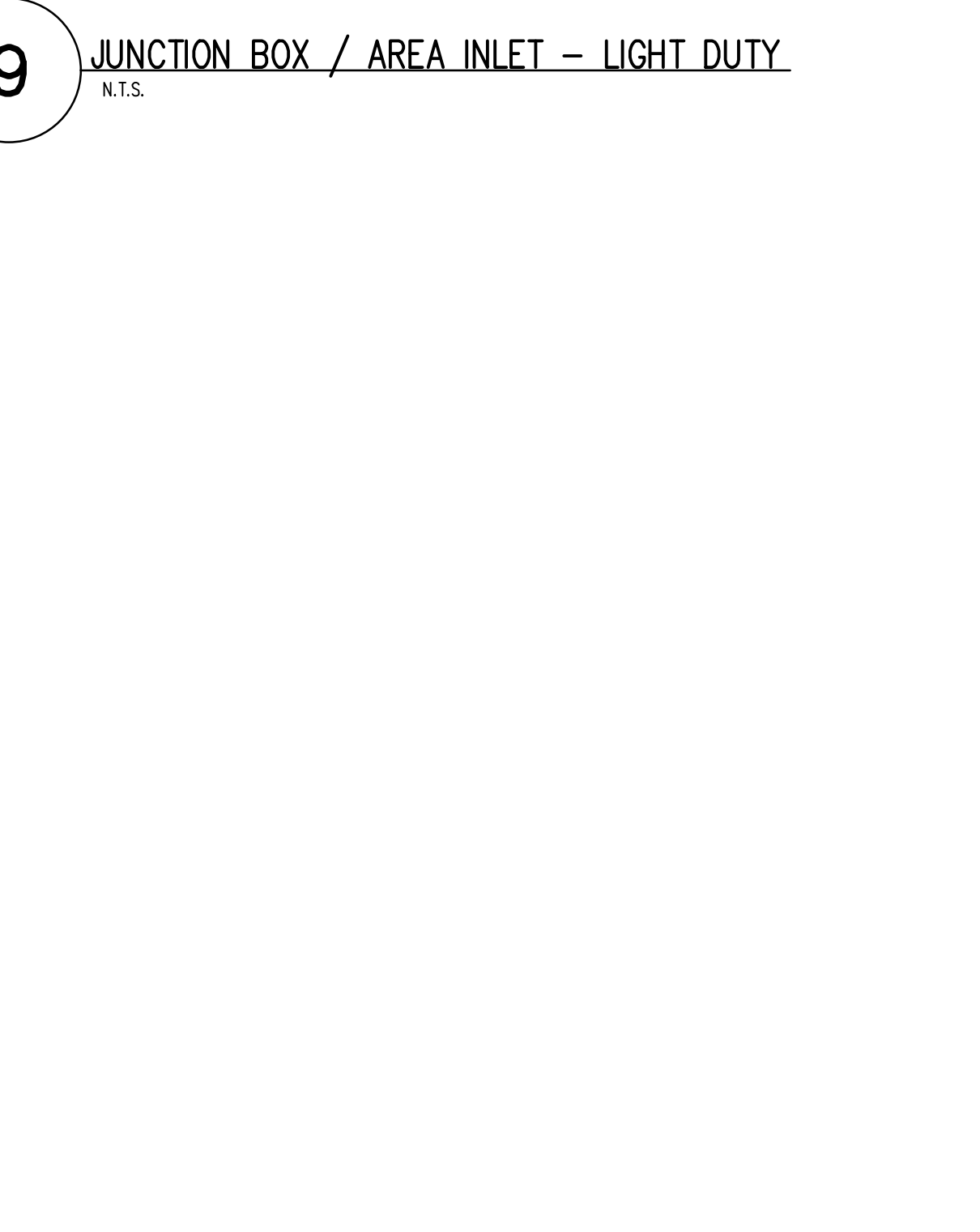
9 JUNCTION BOX / AREA INLET - LIGHT DUTY
N.T.S.



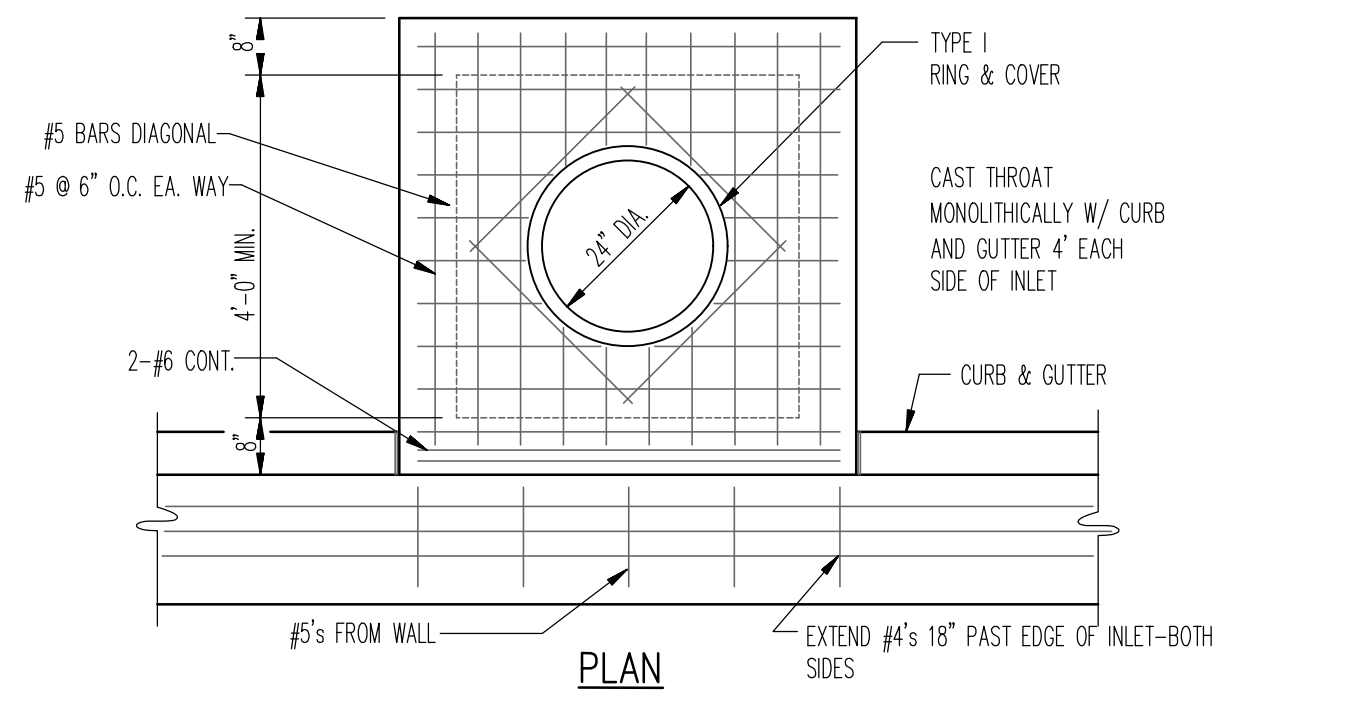
10 TYPICAL CURB INLET
N.T.S.



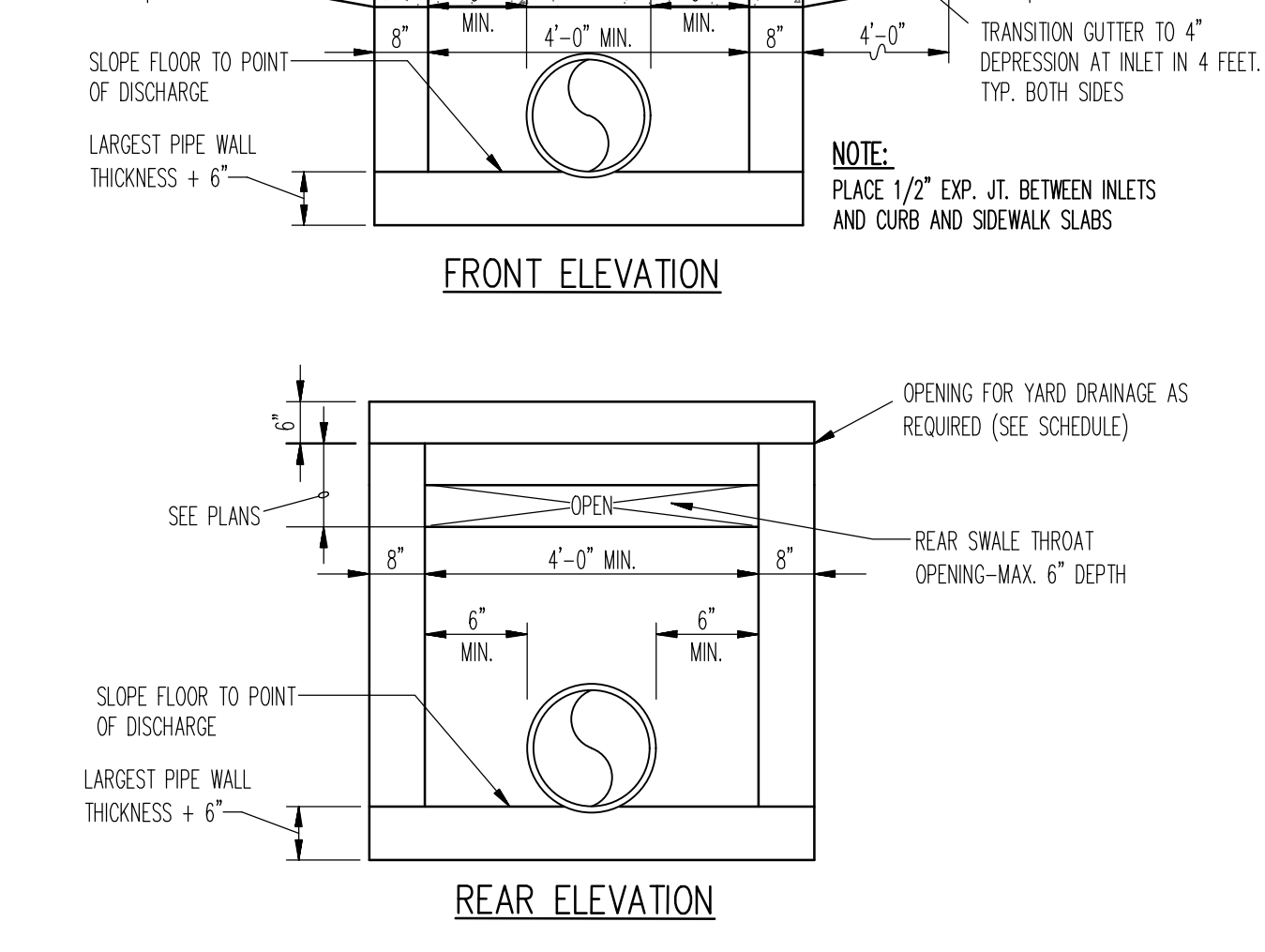
11 SECTION - CURB OPENING
N.T.S.



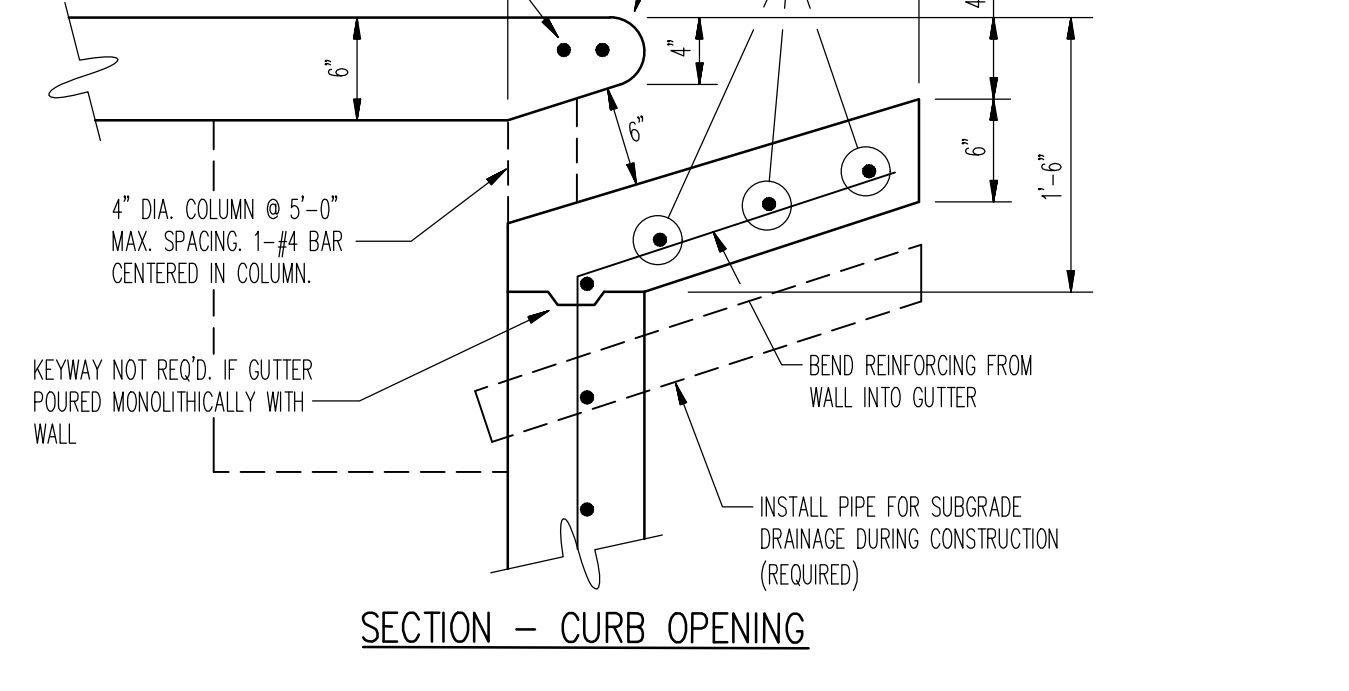
12 TYPICAL CURB INLET
N.T.S.



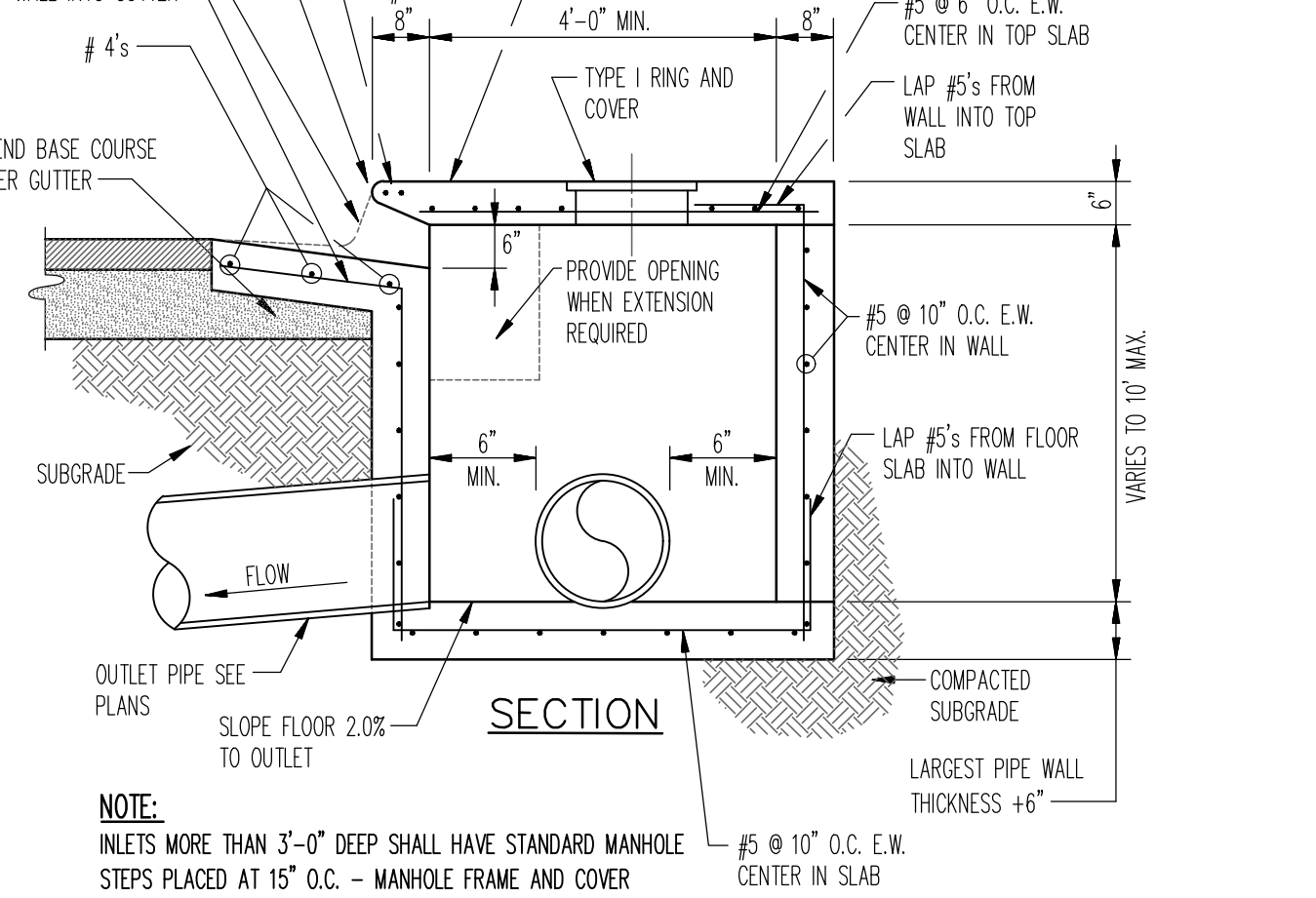
13 FRONT ELEVATION
N.T.S.



14 REAR ELEVATION
N.T.S.



15 SECTION - CURB OPENING
N.T.S.



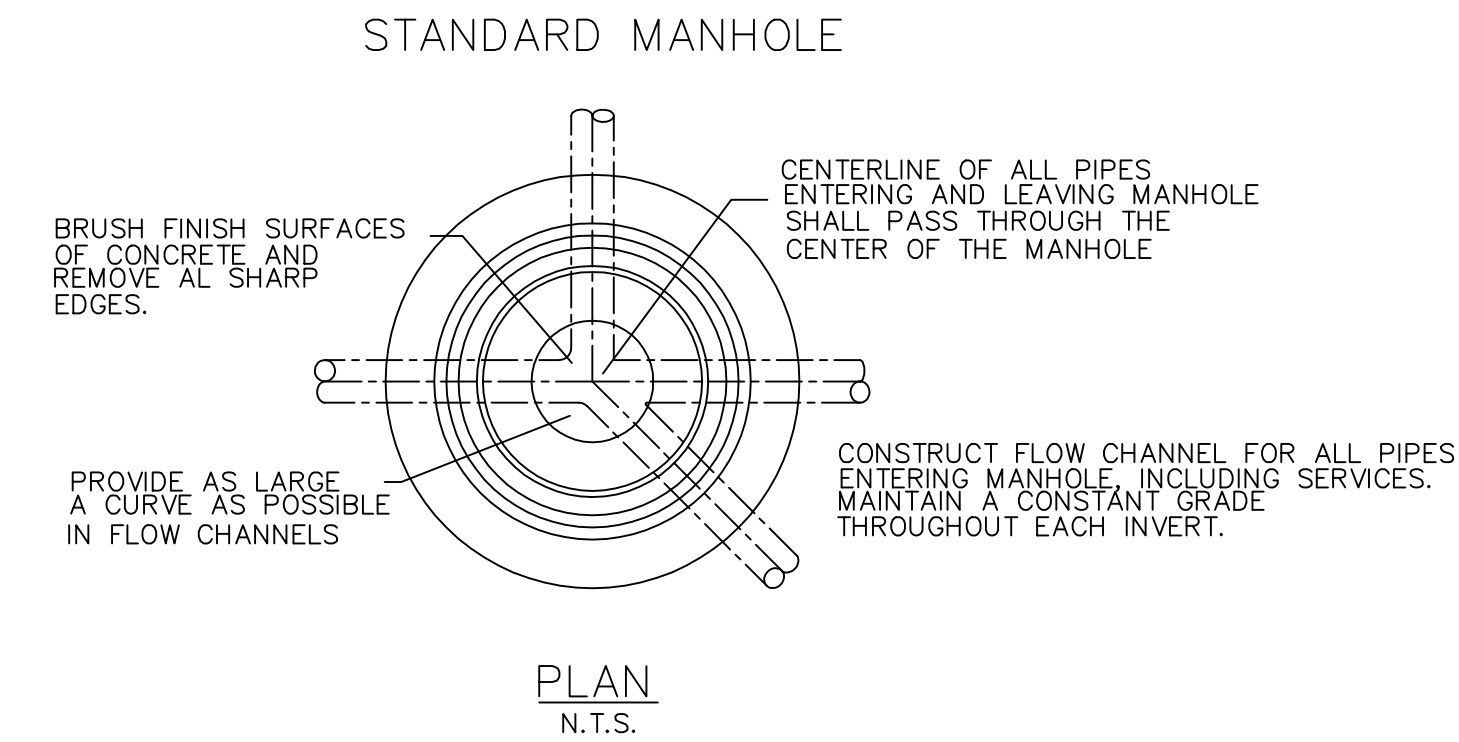
16 TYPICAL CURB INLET
N.T.S.

| REVISIONS | | |
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| DATE | BY | DESCRIPTION |
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PROJECT NO. JB9393
DRAWN BY MJR CHECKED BY JAB
SHEET C11 SCALE 1"=100'
DATE 03/08/2016 DRAWING NO. 20-52

NOTES TYPICAL TO ALL MANHOLES

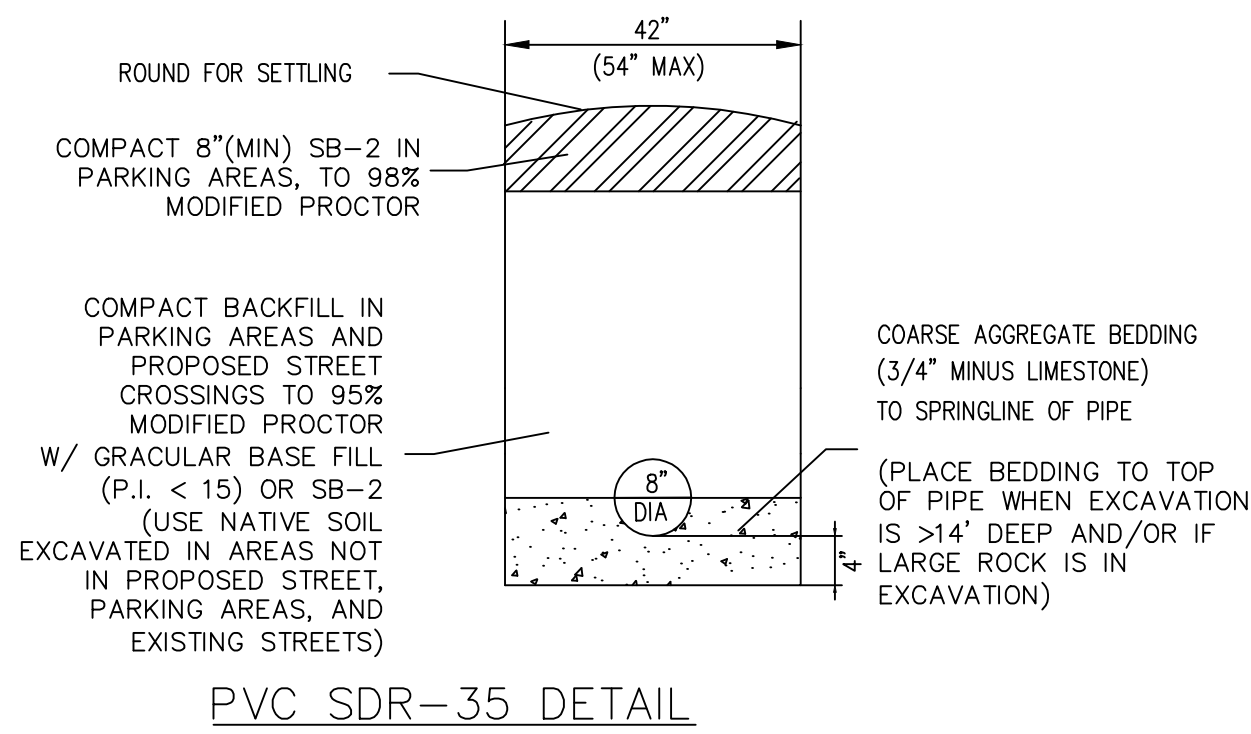
- MANHOLE BASES TO BE 4000 PSI, 28 DAY STRENGTH, LIMESTONE MIX CONCRETE ON UNDISTURBED SUB-GRADE OR ON COMPACTED SELECT FILL MATERIAL AS AUTHORIZED.
- MANHOLE SIDEWALL MATERIAL TO BE CONCRETE IN ACCORDANCE WITH PROPOSAL FORM REQUIREMENTS.
 - 4" I.D. FOR SEWER SIZES 6" THRU 24"
 - 5" I.D. FOR SEWER SIZES 24" THRU 30"
 - 6" I.D. FOR SEWER SIZES 36" THRU 42"
- SET MANHOLE TOPS AS FOLLOWS:
 - IN STREETS, ROADS, HIGHWAYS, AND OTHER PAVED AREAS: FLUSH WITH FINISHED PAVING GRADE.
 - UNDEVELOPED AREAS, SUCH AS FIELDS, WOODS, ETC.: 12" ABOVE GROUND.
 - OTHER AREAS: 1" ABOVE GROUND.
- MANHOLE FRAMES SHALL HAVE MIN. OPENING OF 22" DIA.



MANHOLE DETAILS

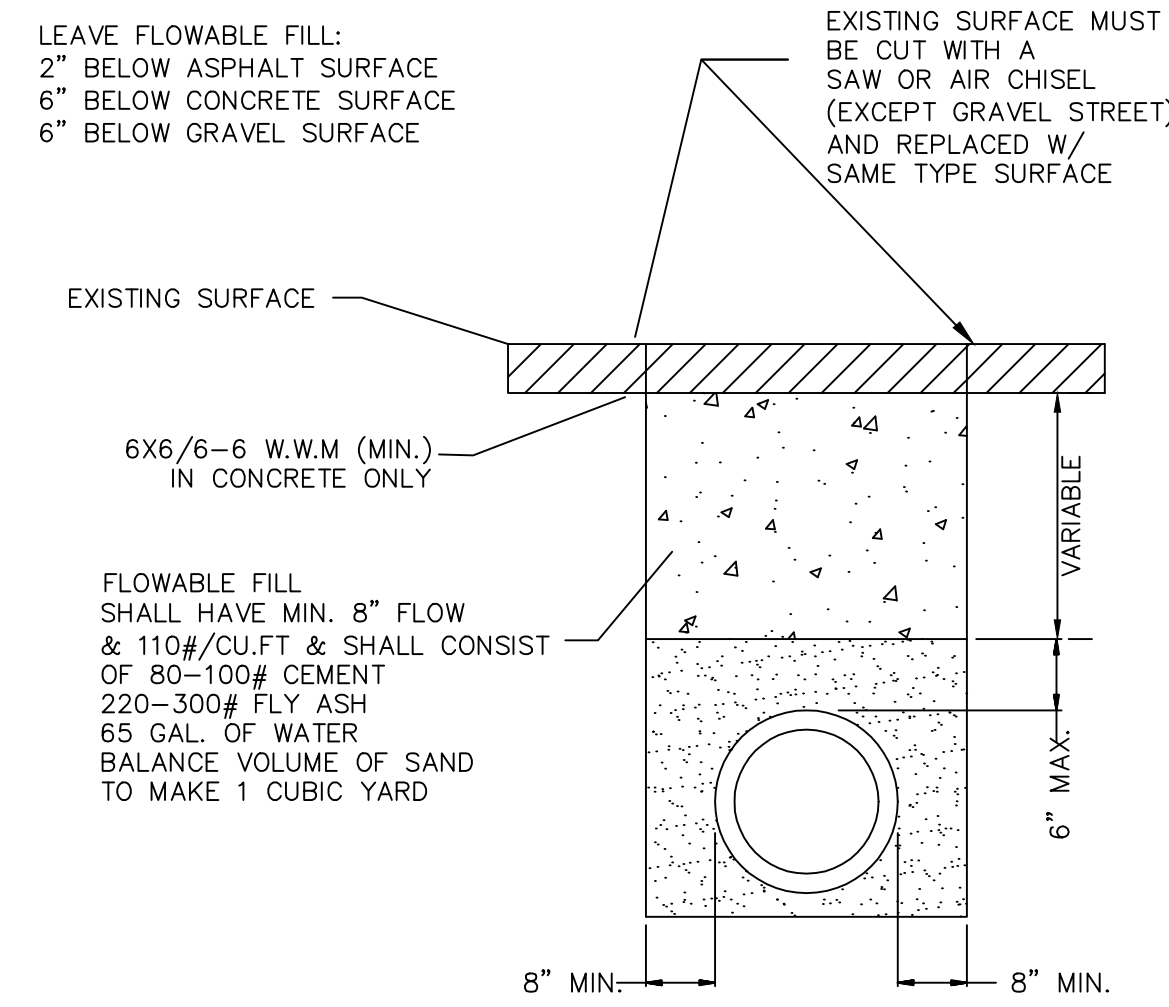
NOTES:

- COARSE AGGREGATE SHALL BE MECHANICALLY TAMPED WHEN USED.
- PIPE IN TRENCH SHALL BE PLACED ON FIRM UNDISTURBED SOIL. ALL OVER EXCAVATION SHALL BE COMPACTED BACK TO GRADE W/ BEDDING MATERIAL.
- PVC PIPE SHALL BE SDR-35 AND INSTALLED IN ACCORDANCE WITH UNI-BELL PVC PIPE ASSOCIATION'S RECOMMENDATIONS FOR CONSTRUCTION.



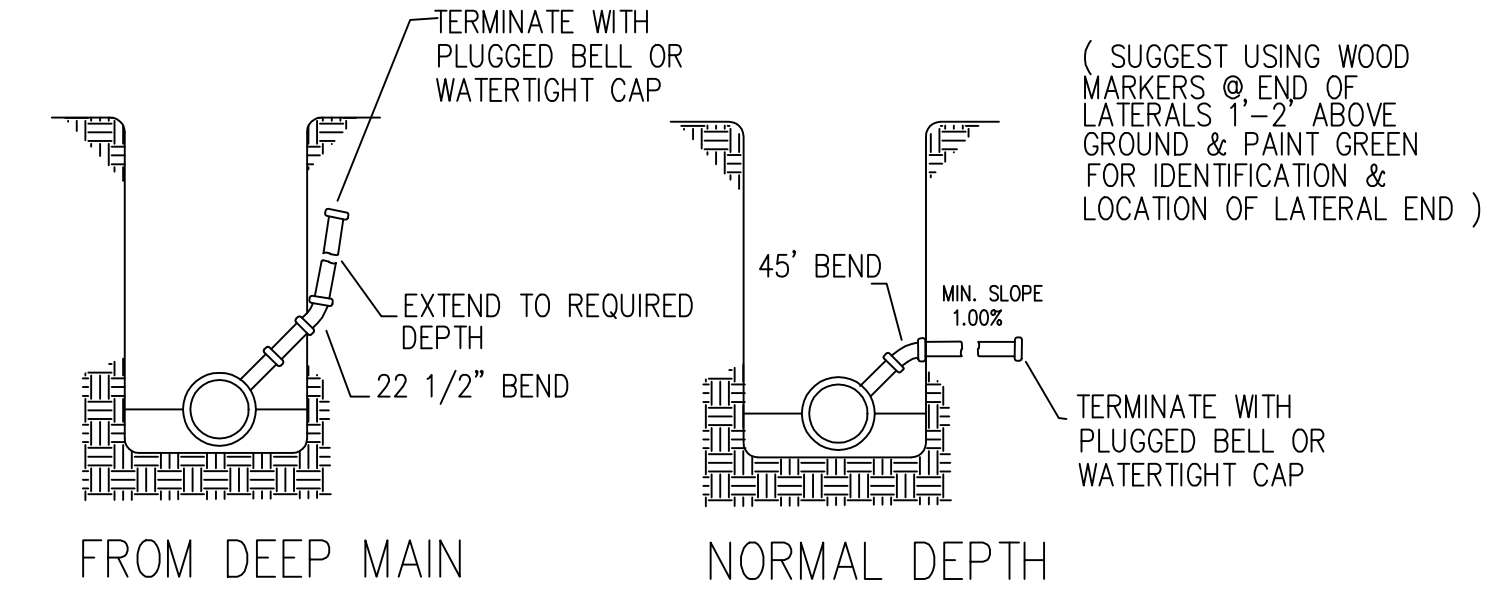
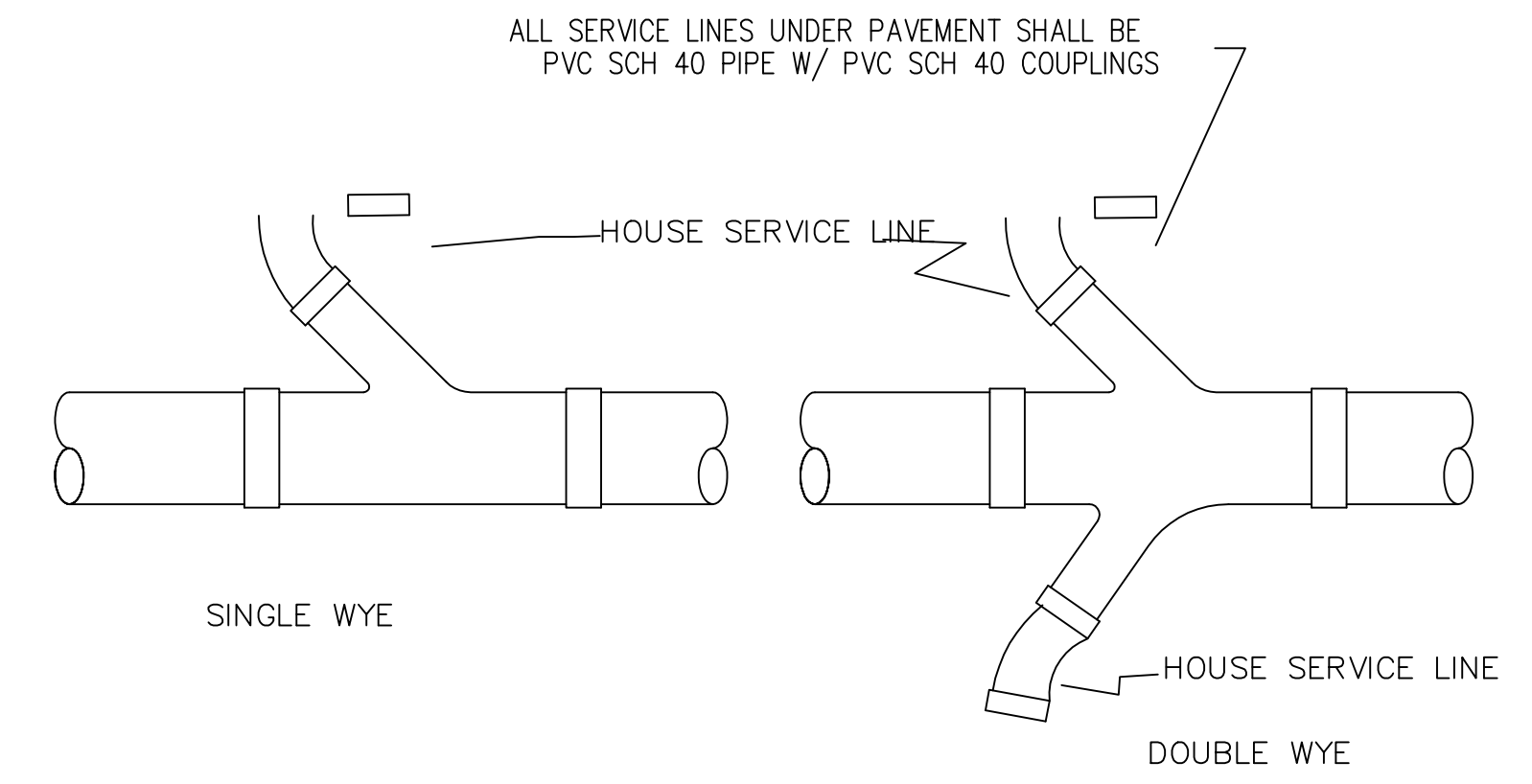
NON-EXISTING STREET LOCATIONS

- NOTE: (1) CONTRACTOR SHALL OBTAIN A STREET CROSSING PERMIT FROM THE CITY OF JONESBORO PRIOR TO CUTTING STREET.
 (2) EXCAVATED MATERIAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR
 (3) THIS REPAIR DETAIL IS REQUIRED FOR ALL EXCAVATION WITHIN 5' OF PAVED EDGE AND ALL TRANSVERSE EXCAVATIONS TO EXTEND 3' BEYOND PAVED EDGE.



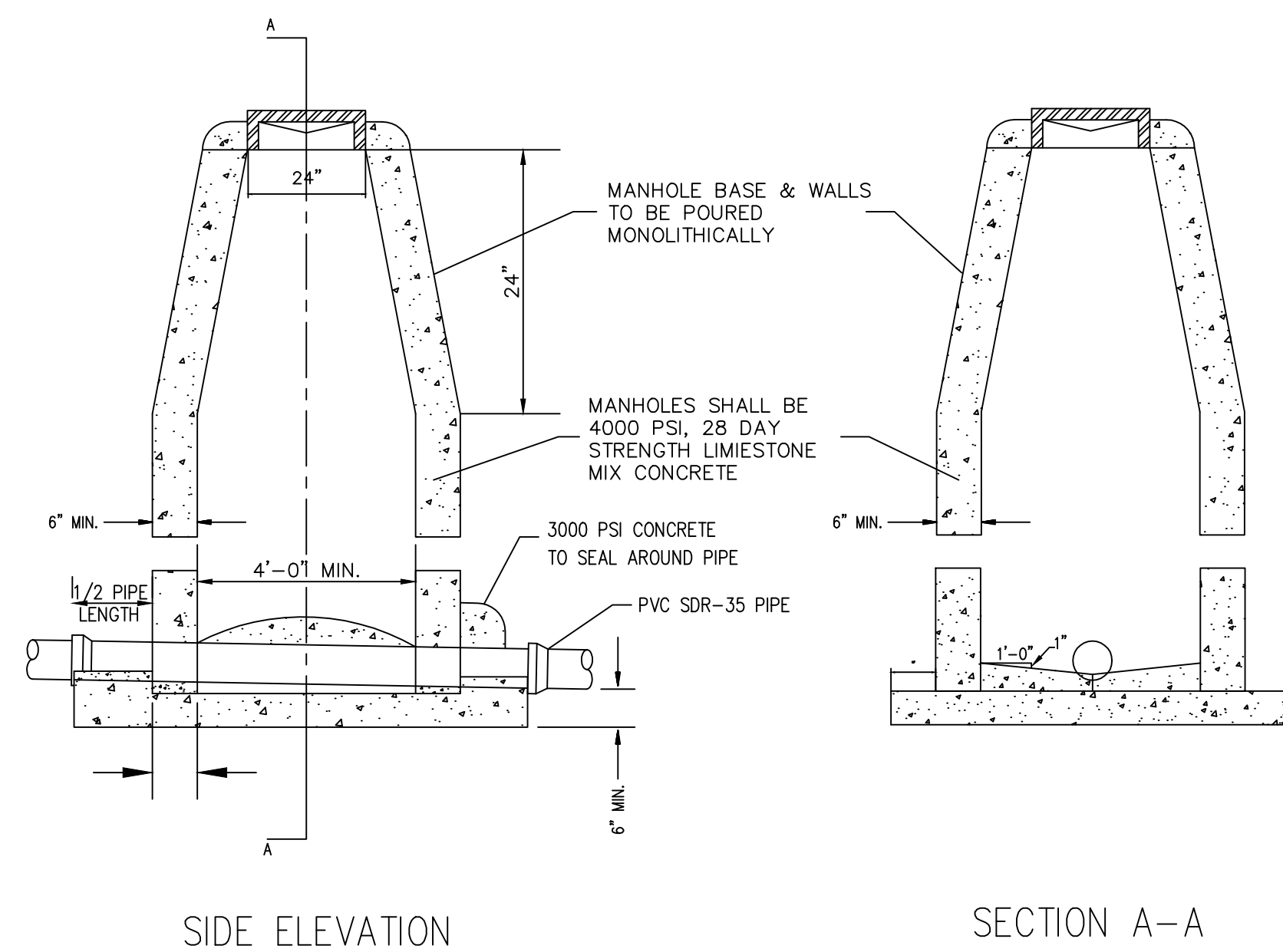
EXISTING STREET LOCATIONS

PVC TRENCH DETAIL

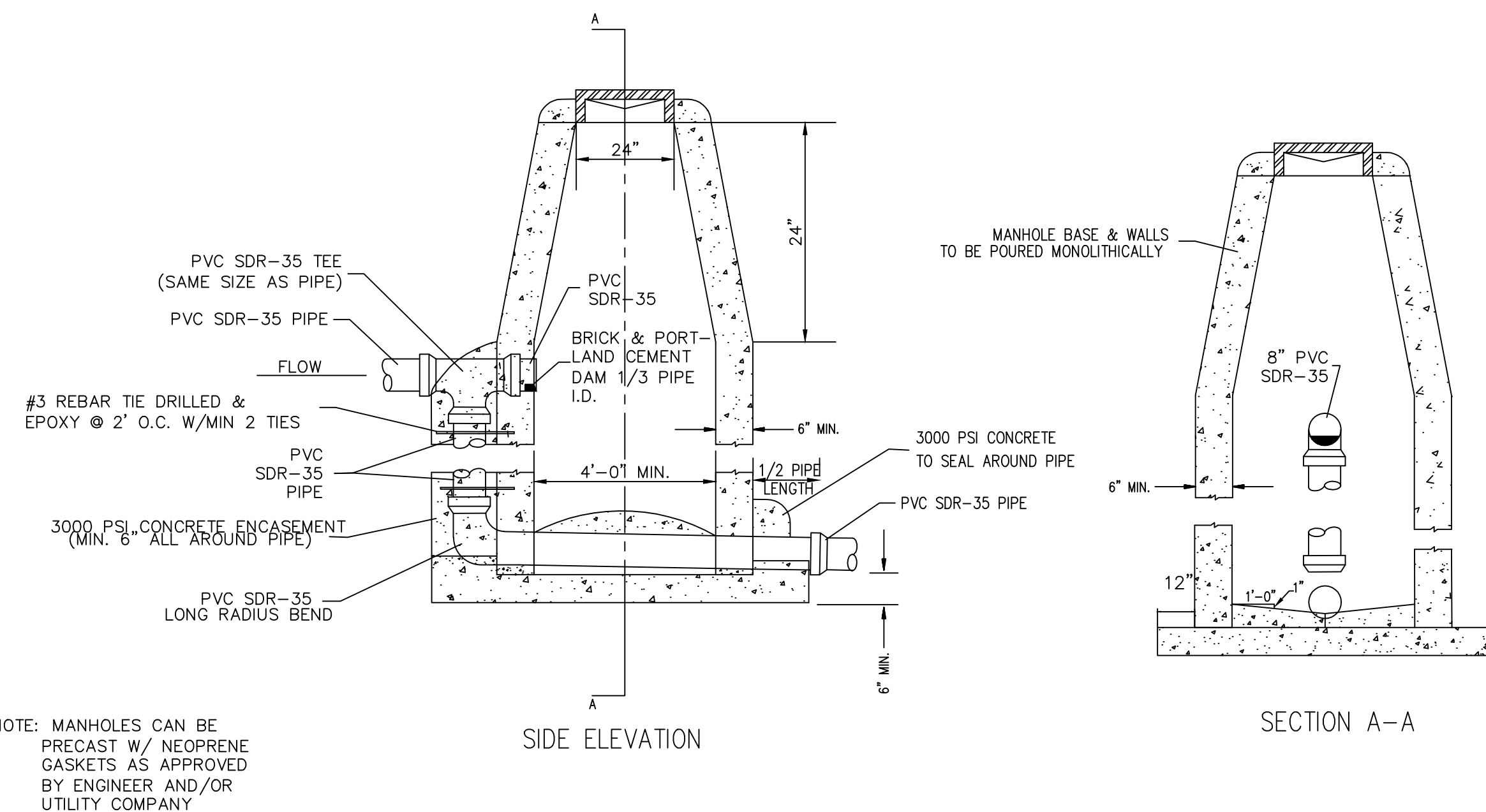


SERVICE CONNECTIONS

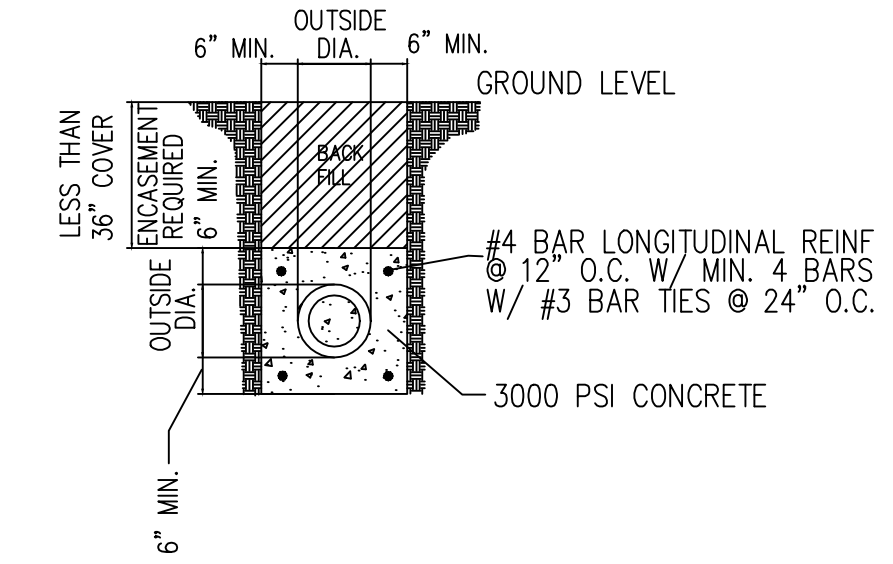
MANHOLE CONSTRUCTION DETAIL



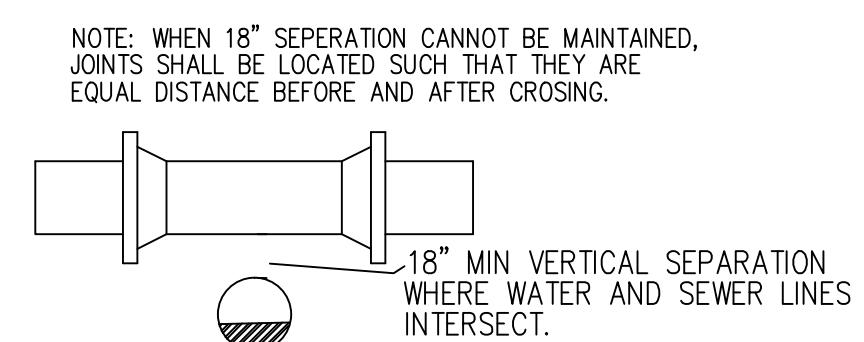
STANDARD MANHOLE



DROP MANHOLE



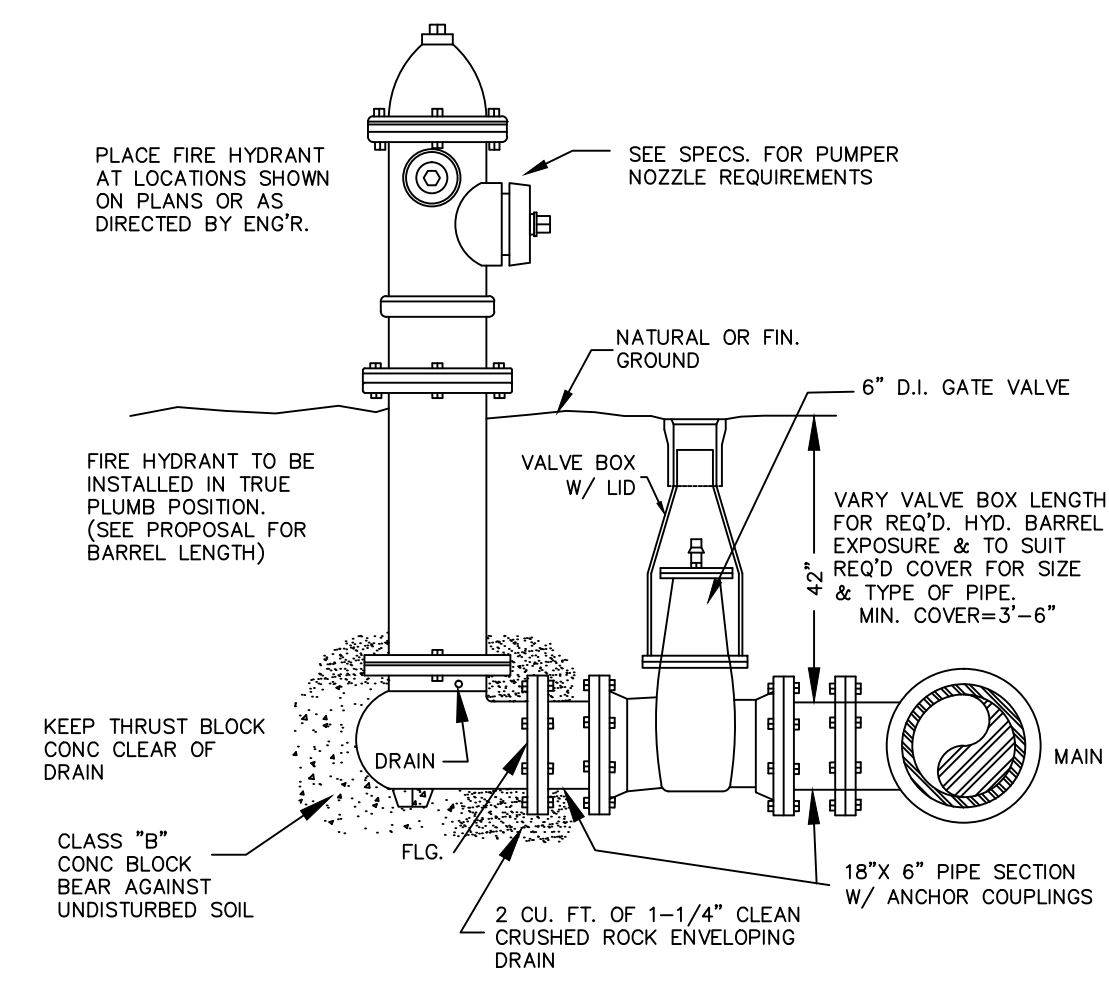
CONCRETE ENCASEMENT FOR DITCH CROSSINGS



TYPICAL SEWER & WATER CROSSINGS

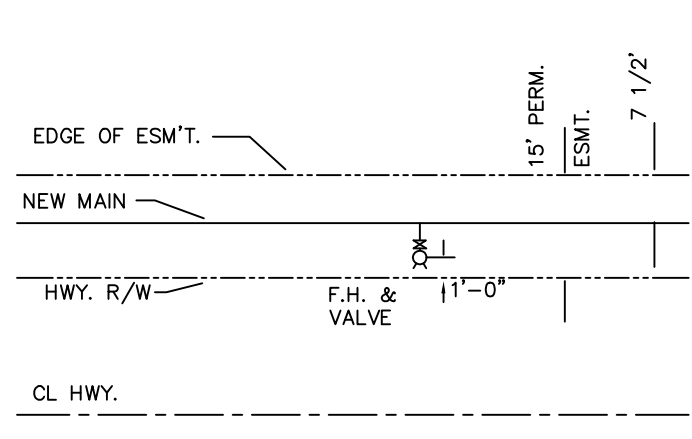
SEWER--DETAILS
CWL--JONESBORO

CITY WATER AND LIGHT
 400 E MONROE
 JONESBORO, AR 72401
 PHONE: (870) 930-3320
 FAX: (870) 930-3333

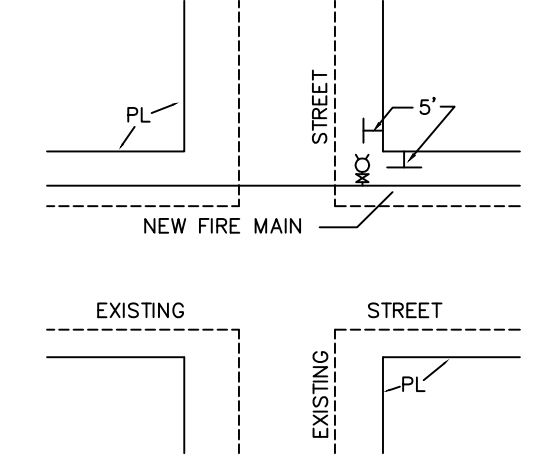


FIRE HYDRANT DETAIL

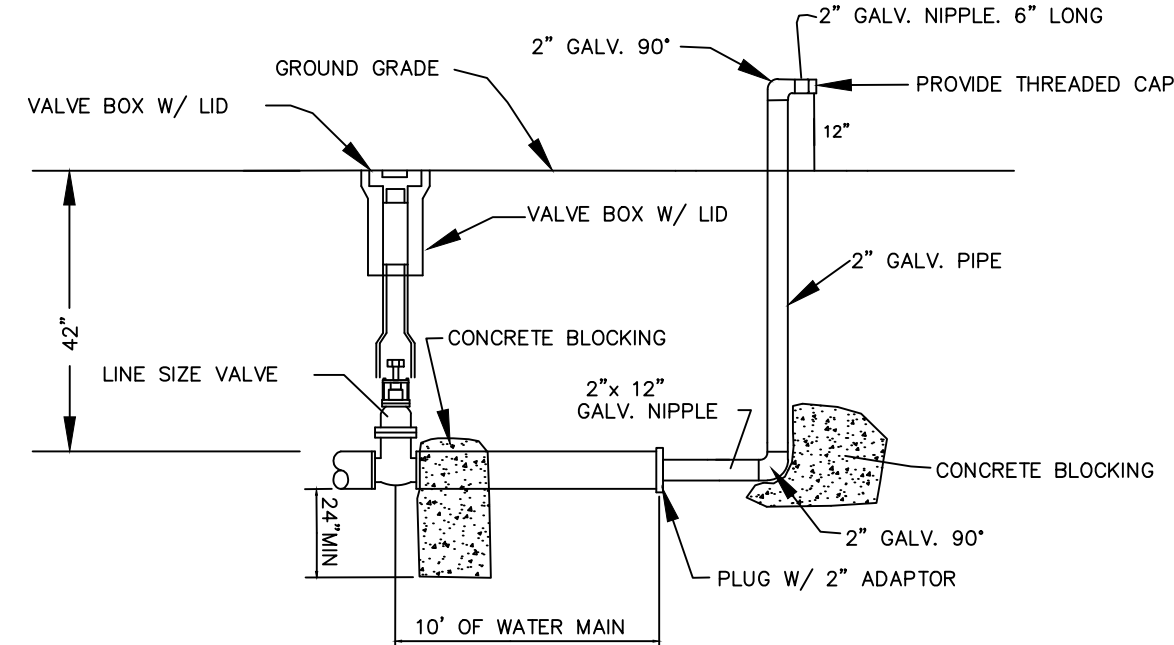
NOTES:
 (1) PROVIDE TWO (2) MECHANICAL JOINT ANCHORING COUPLINGS (CLOW F-1211M OR EQUAL), FOR EACH HYDRANT (1-BETWN. HYDRANT & VALVE & 1-BETWN. VALVE AND MAIN).



TYPICAL FIRE HYDRANT LOCATION ALONG HWY. RIGHT-OF-WAY



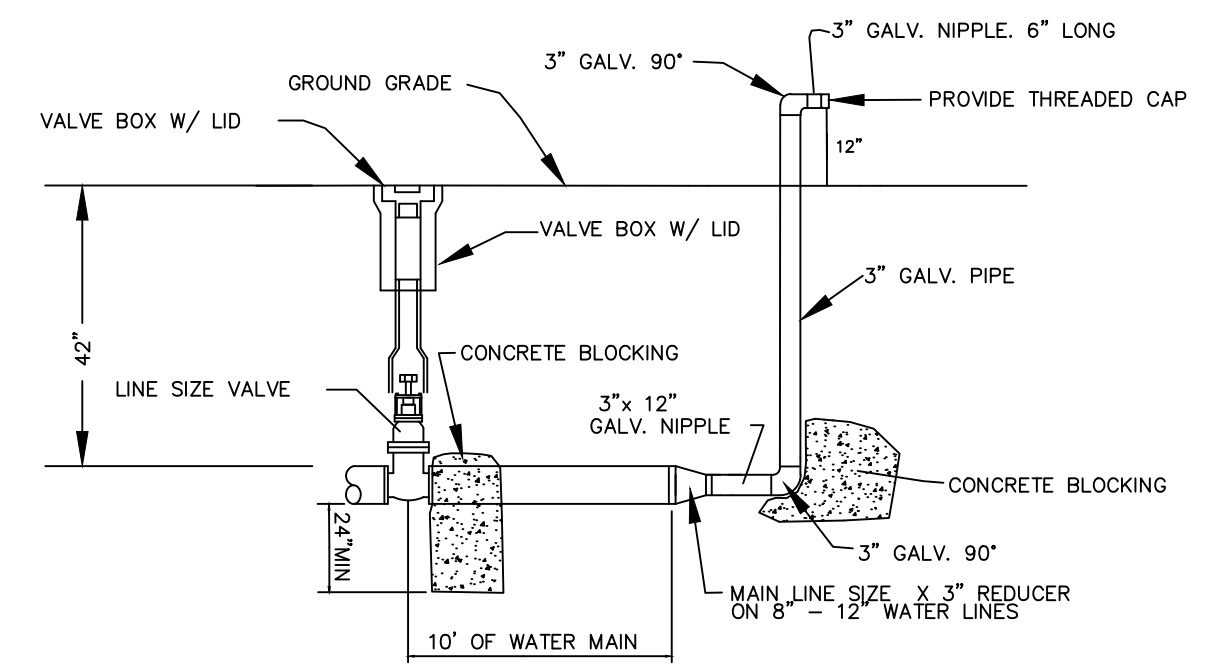
TYPICAL FIRE HYDRANT LOCATION



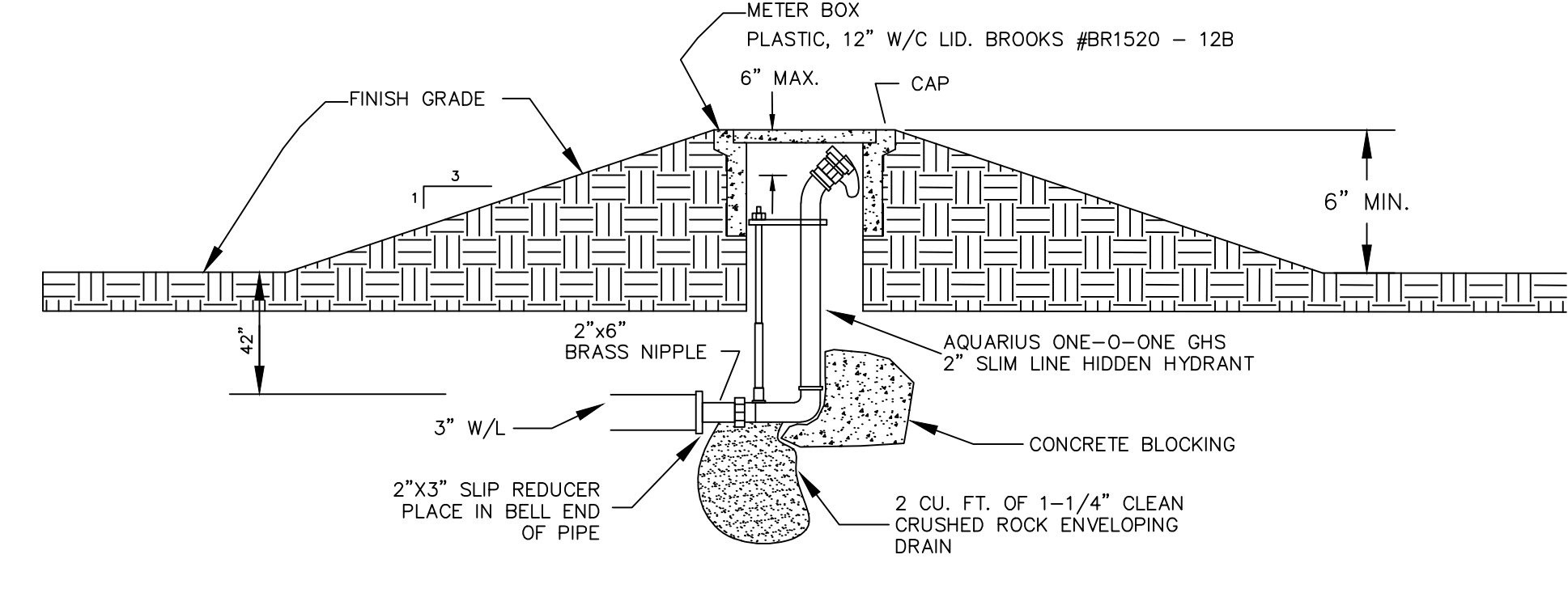
2" B.O. ASSEMBLY FOR THRU 6" LINES WITH FUTURE EXPANSION (NOT REQ'D IN COVES OR DEAD END LINES)

BLOW-OFF ASSEMBLY DETAILS

NOTE: OTHER BLOW-OFF ASSEMBLIES CAN BE USED AS APPROVED BY LOCAL UTILITY COMPANY.

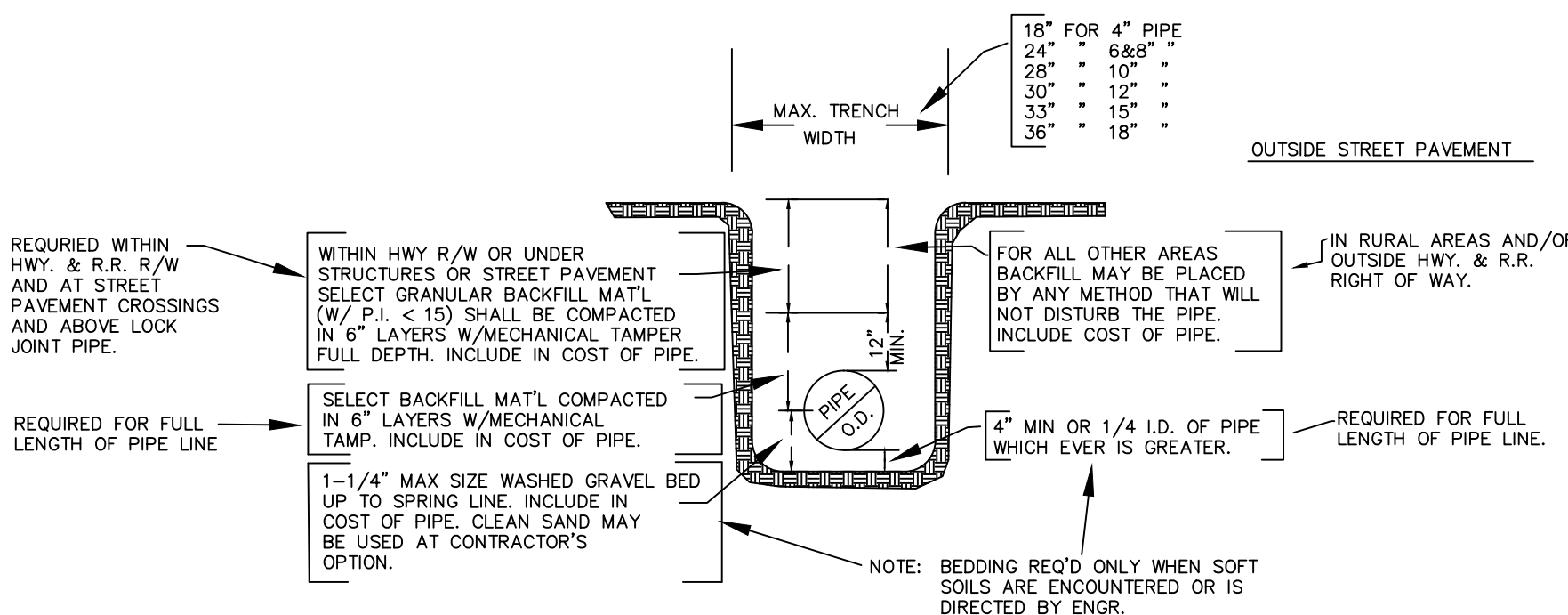


3" B.O. ASSEMBLY FOR 8" TO 12" LINES WITH FUTURE EXPANSION (NOT REQ'D IN COVES OR DEAD END LINES)

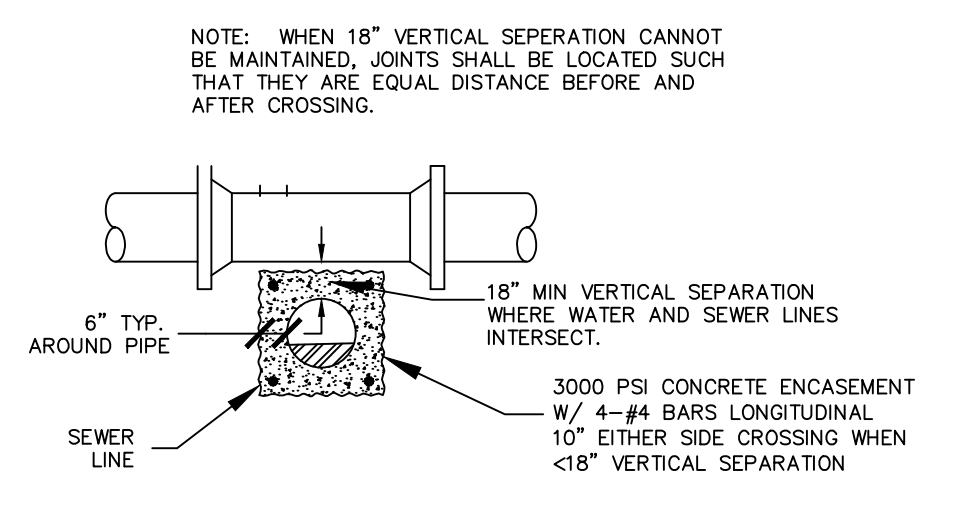


UNDERGROUND WASHOUT ASSEMBLY FOR COVES AND DEAD END LINES W/ NO FUTURE EXTENSION

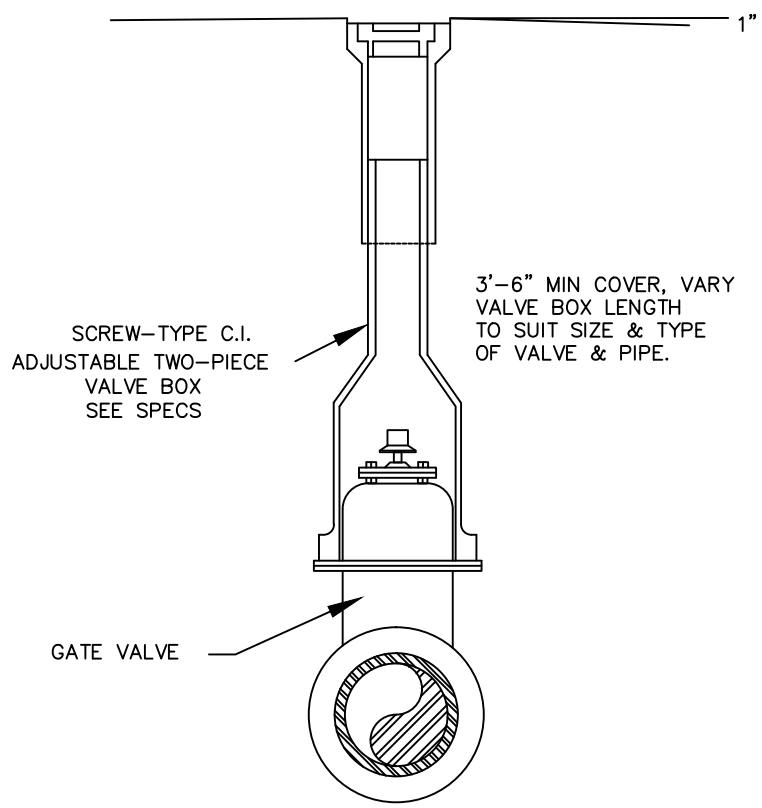
NOTE: ALL 1", 2", OR 3" GALVANIZED PIPE AND FITTINGS ARE TO BE SCH 40



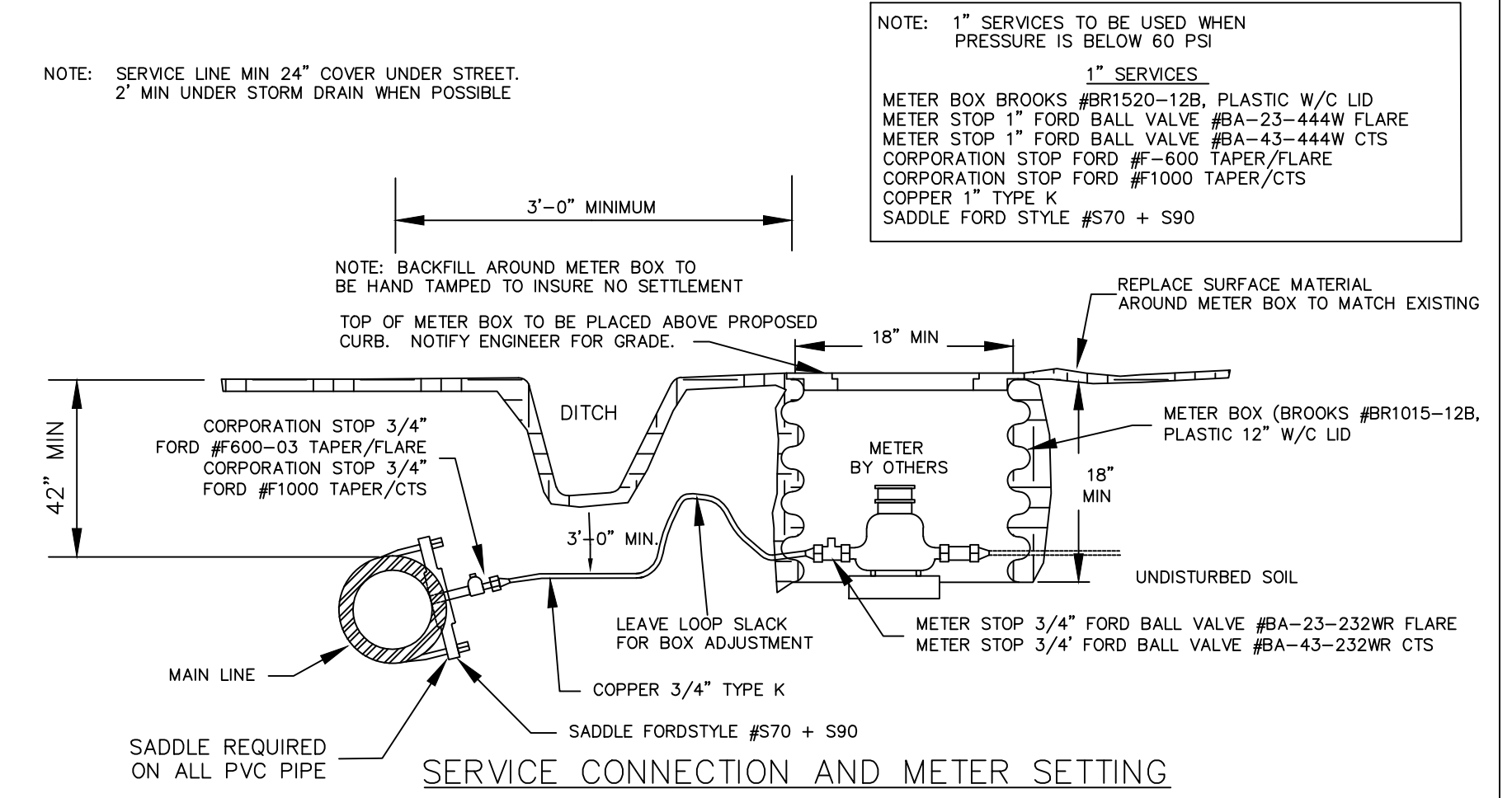
TYPICAL WATER PIPE BEDDING AND BACKFILL DETAIL



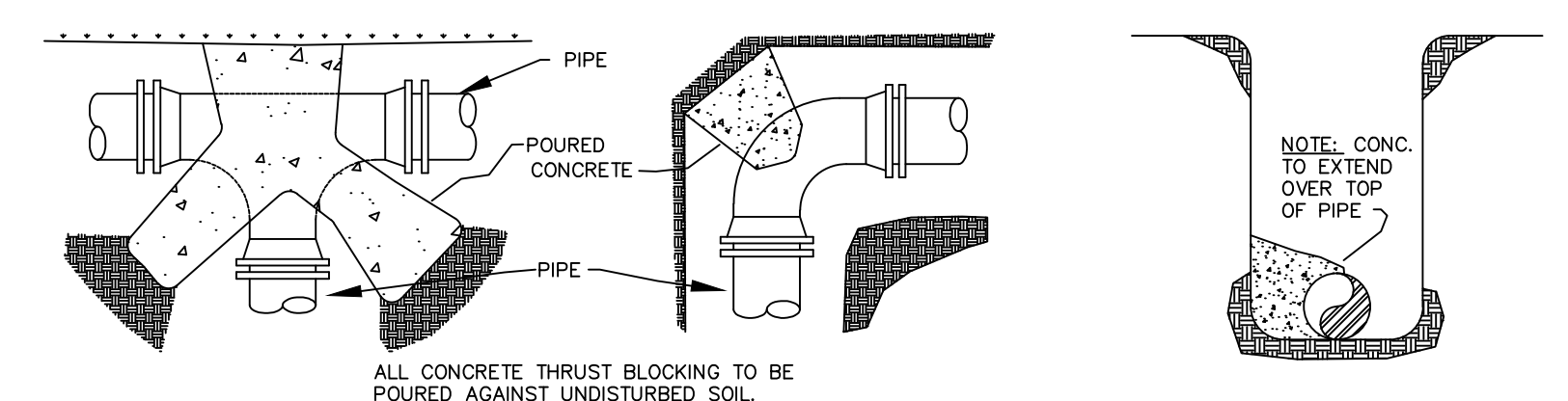
TYPICAL SEWER & WATER CROSSINGS



VALVE BOX DETAIL

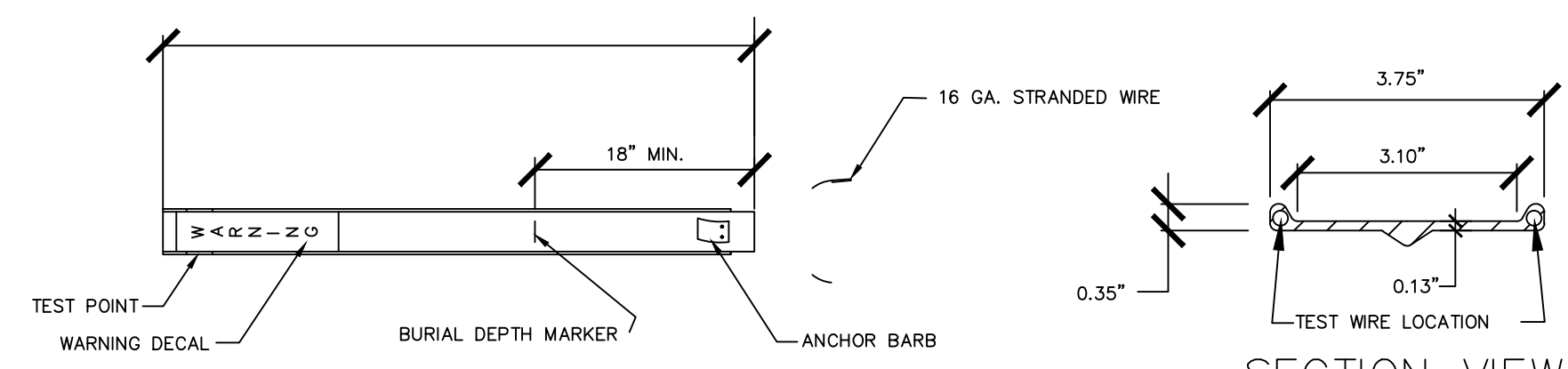


SERVICE CONNECTION AND METER SETTING

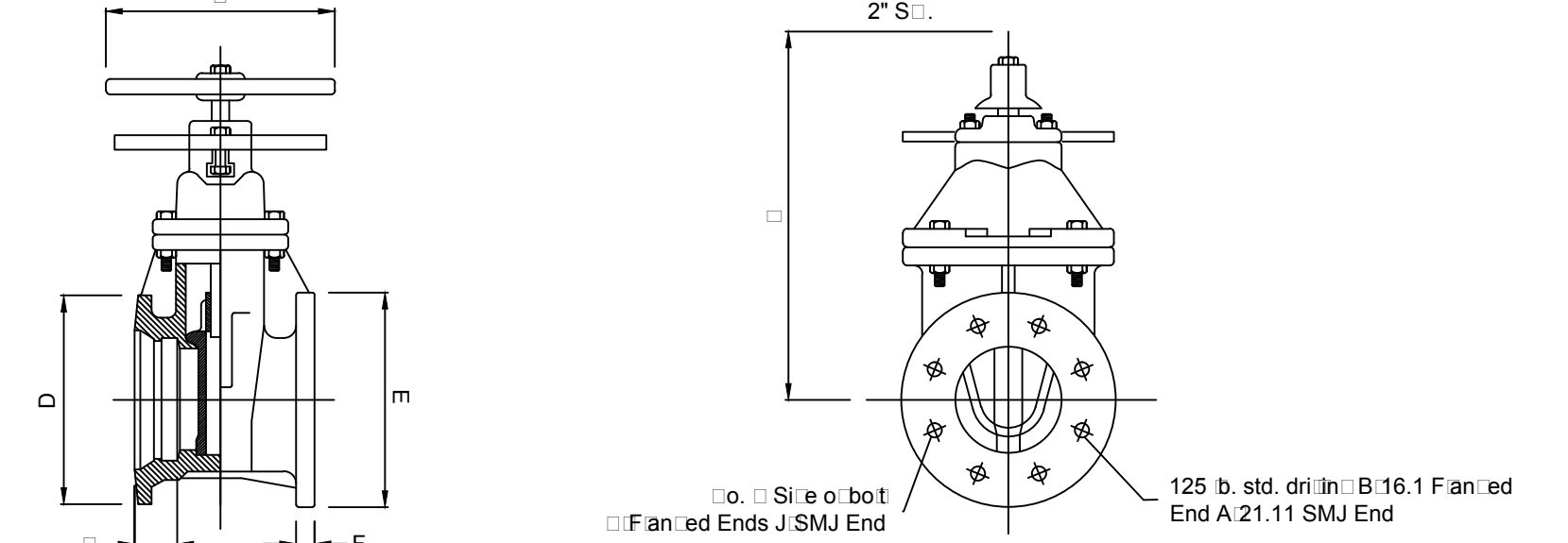


THRUST BLOCK DETAILS

- NOTES:
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL.
 2. WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE BLOCKING OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A BRACE BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
 3. PLUGS SHALL BE COVERED WITH PAPER WHEN BLOCKING TO PREVENT BONDING OF CONCRETE.
 4. WHERE SHEAR IS HIGH PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING AS DIRECTED BY ENGINEER.
 5. COVER SHALL BE A MINIMUM OF 3" BELOW NATURAL GRADE.
 6. CLEARANCE FROM OIL & GAS COMPANIES LINES SHALL BE A MINIMUM OF 18".
 7. THRUST BLOCKING DIMENSIONS SHALL BE 150% OF THE THRUST CALCULATED FROM THE FORMULA (THRUST=2 AP SINθ WHERE A=PIPE END AREA P=PRESSURE PRODUCED BY PUMPING LIQUID, & θ=ANGLE OF BEND TO BE BLOCKED) AND SOIL BEARING CAPACITY OF 1500 P.S.F.
 8. ALL CONCRETE SHALL BE 3000 PSI AT 28 DAY STRENGTH.



WATER LINE & FORCE MAIN MARKER DETAIL



TAPPING SLEEVE TAPPING VALVE DETAIL

| VALVE SIZE | A | B | D | E | F | J | | | | |
|------------|--------|-------|-------|--------|--------|--------|--------|--------|-------|----|
| 4 | 9.1/4 | 4.1/4 | 2.5/0 | 9.1/2 | 9 | 1.5/16 | 14.3/4 | 8.3/4 | 4.3/4 | 10 |
| 6 | 10.1/4 | 5 | 2.5/0 | 11.1/2 | 11 | 1 | 19 | 8.3/4 | 5.3/4 | 12 |
| 8 | 11 | 5.1/4 | 2.5/0 | 13.3/4 | 13.1/2 | 1.1/8 | 22.1/2 | 5.3/4 | 6.3/4 | 14 |
| 10 | 12.1/2 | 6 | 2.5/0 | 15.3/4 | 16 | 1.5/16 | 26.1/2 | 12.7/8 | 8.3/4 | 18 |
| 12 | 13.1/2 | 6.1/2 | 2.5/0 | 18 | 19 | 1.1/4 | 30 | 12.7/8 | 8.3/4 | 18 |
| 9 | 6.1/4 | 4.1/4 | 2.5/0 | 7.3/4 | 7.1/8 | 3/4 | 12.3/8 | 4.3/8 | 4.3/4 | 10 |

WATER-DETAILS
CWL-JONESBORO

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