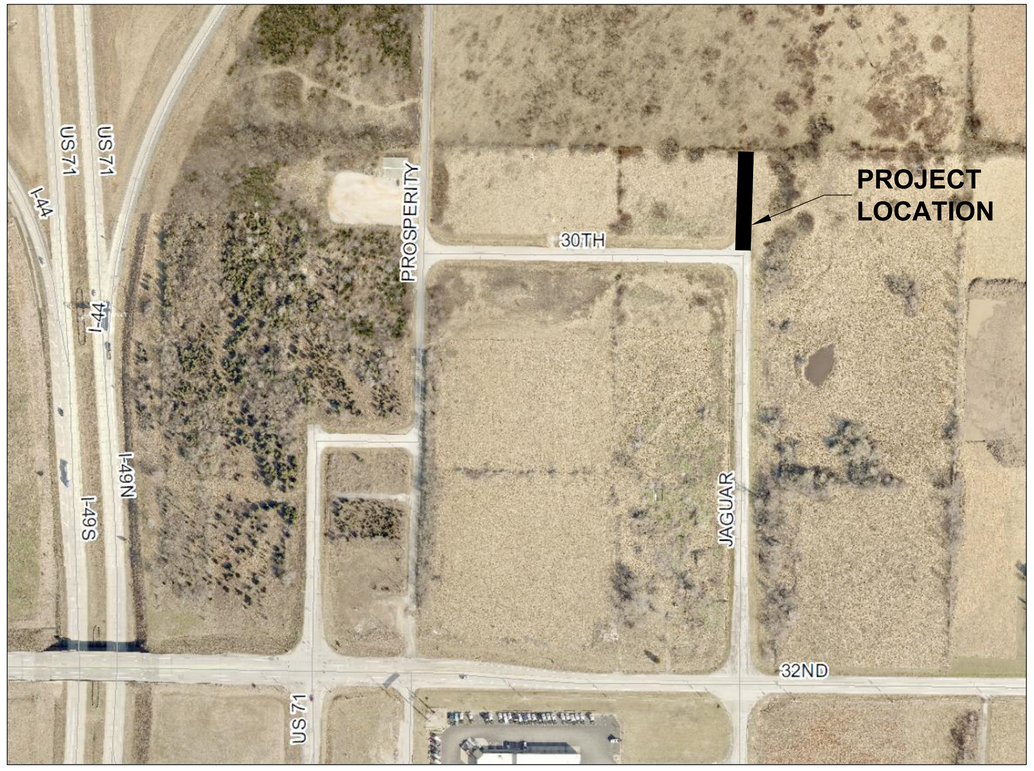
# JAGUAR ROAD EXTENSION

## INDEX OF SHEETS


| DESCRIPTION | DWG NO |
|---|---|
| TITLE SHEET | 1 |
| SUMMARY OF QUANTITIES | 2 |
| PLAN & PROFILE SHEET | 3 |
| CONTROL JOINT LAYOUT | 4 |
| CROSS SECTION SHEETS | 5-10 |
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| EROSION CONTROL PLAN | 12 |


DWGS PRINTED ON 11"X17" PAPER ARE TO HALF SCALE.
NTS

**PROJECT LENGTH = 247.04'**

GENERAL NOTES:

1. CONTRACTOR SHALL, AT HIS EXPENSE, SET & MAINTAIN ALL LINE & GRADE STAKES.
2. CONTRACTOR SHALL, AT HIS EXPENSE, GRADE ALL EXISTING STREETS, ALLEYS, & DRIVES TO MEET NEW CONSTRUCTION.
3. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY LOCATIONS BEFORE BEGINNING NEW CONSTRUCTION.
4. ALL WORK SHALL CONFORM TO THE CITY OF JOPLIN STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE WORK ZONE SAFETY GUIDELINES OF PART VI OF THE MUTCD & WITH THE BARRICADING SECTION OF THE CITY OF JOPLIN SAFETY MANUAL.
6. ALL PEDESTRIAN FACILITIES SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE ADA.
7. CONTRACTOR SHALL, AT HIS EXPENSE, PROVIDE ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
8. CONTRACTOR SHALL, AT HIS EXPENSE, RETAIN THE SERVICES OF A PLS LICENSED IN MISSOURI, WHO SHALL BE RESPONSIBLE FOR RESTORING ANY INCIDENTALLY DAMAGED SURVEY MONUMENTS NOT SCHEDULED FOR REMOVAL AS PART OF THE PROJECT. CONTRACTOR SHALL NOTIFY THE CITY OF JOPLIN OF ANY MONUMENTS DAMAGED BY ANY OUTSIDE PARTY.

**UTILITY NOTE:**

UTILITIES ARE LOCATED ON DRAWINGS BASED UPON AVAILABLE INFORMATION. THE NUMBER & LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL CONTACT ALL UTILITIES & MISSOURI DIG RITE AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION & SHALL BE RESPONSIBLE FOR THE EXACT LOCATION & PRESERVATION OF ALL BURIED OR OVERHEAD UTILITY LINES.

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP - CALL BEFORE YOU DIG


CITY OF Joplin

CITY OF JOPLIN, MISSOURI
PUBLIC WORKS DEPARTMENT
DIVISION OF ENGINEERING

ADDRESS: 602 S MAIN ST 64801
PH NO: 417-624-0820 EXT 530
FAX NO: 417-625-4738
E-MAIL: DHERTZBERG@JOPLINMO.ORG


| REV DATE: | REVISION: |
|---|---|
| -- | PROJECT CHECK |

| | |
|---|---|
| SVYD BY: | AMA |
| PNT FILE: | N/A.TXT |
| SVY DATE: | 10/2019 |
| ENGINEER: | HERTZBERG |

ACAD DWG FILE & PATH NAME: STREETS\Distribution Center

SCALES:

| | |
|---|---|
| DWN BY: | STAFF |
| CKD BY: | STAFF |
| APD BY: | JOHNSON |
| DATE: | 3/2020 |

PROJECT
JAGUAR ROAD EXTENSION

PLAN NO: 8531
SHEET 1

JAGUAR ROAD EXTENSION.dwg

# SUMMARY OF QUANTITIES

**EXCAVATION**

COMMON EXCAVATION = 650 CY

COMPACTED FILL = 200 CY

REMOVAL OF UNSUITABLE MATERIAL = 200 CY

REPLACEMENT OF UNSUITABLE MATERIAL = 200 CY

TRANSPORTATION AND DISPOSAL OF CONTAMINATED MATERIAL = 450 CY

**CONCRETE STRUCTURES**

CURB & GUTTER = 523LF

2' WIDE GUTTER FLUME = 1 EA

5' WIDE GUTTER CROSSING = 1 EA

40' WIDE TYPE A DRIVEWAY CURB DEPRESSION = 2 EA

**BASE & PAVING**

6" STONE BASE = 1706 SY

9" CONCRETE = 1560 SY (INCLUDES STEEL)

GEOGRID = 1706 SY

**MOBILIZATION**

1 LUMP SUM

**EROSION CONTROL**

MULCH SOCK OR FABRIC SILT FENCE = 771 LF

SEEDING, MULCH, & FERTILIZE = .53 AC

**TRAFFIC CONTROL**

1 LUMP SUM

**REMOVAL OF EXISTING IMPROVEMENTS**

1 LUMP SUM

**STORM SEWER INSTALLATION**

30" x 19" HORIZONTAL ELLIPTICAL RCP (INCLUDES BEDDING, TRENCHING) = 77 LF

(2) 30" x 19" END SECTIONS (77 LF ABOVE INCLUDES THE CONCRETE END SECTIONS)

JAGUAR ROAD EXTENSION.dwg

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| REV DATE: | REVISION: |
|---|---|
| -- | PROJECT CHECK |

| | |
|---|---|
| SVYD BY: | AMA |
| PNT FILE: | N/A.TXT |
| SVY DATE: | 10/2019 |
| ENGINEER: | HERTZBERG |

ACAD DWG FILE & PATH NAME: STREETS\Distribution Center

SCALES:

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|---|---|
| DWN BY: | STAFF |
| CKD BY: | STAFF |
| APD BY: | JOHNSON |
| DATE: | 3/2020 |

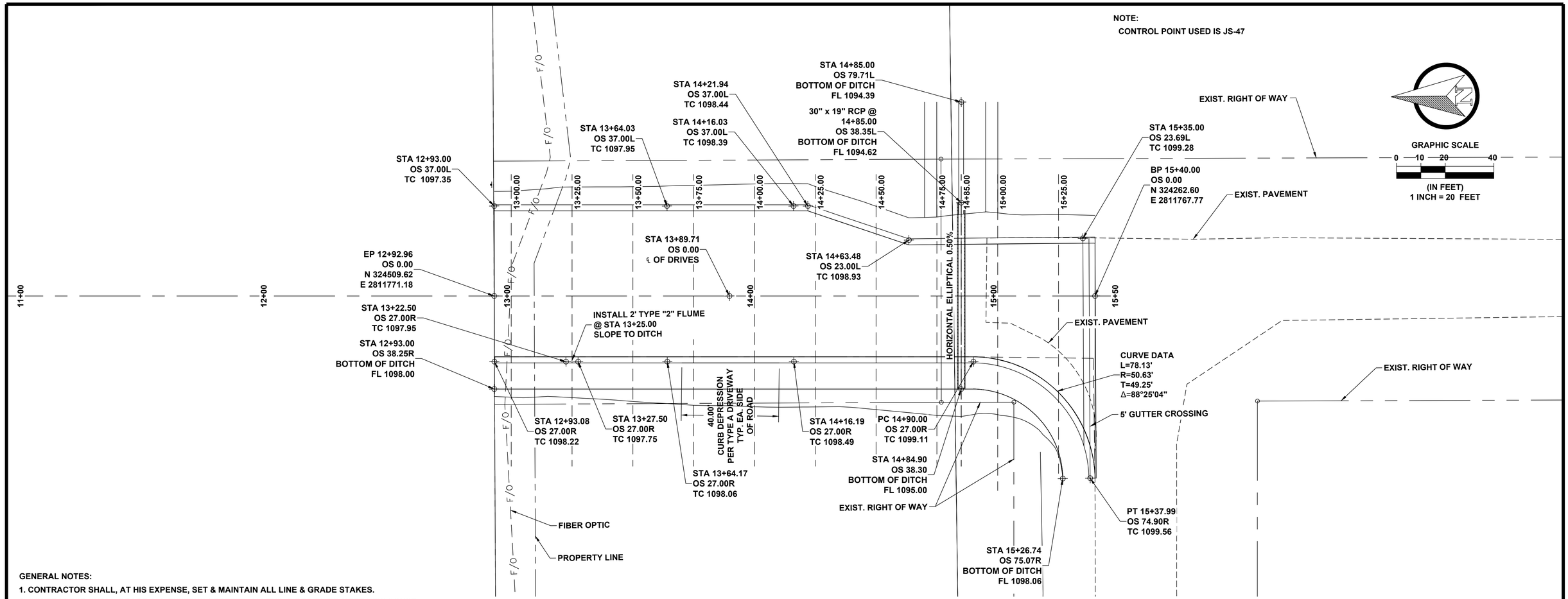
PROJECT

**JAGUAR ROAD EXTENSION**

PLAN NO: 8531

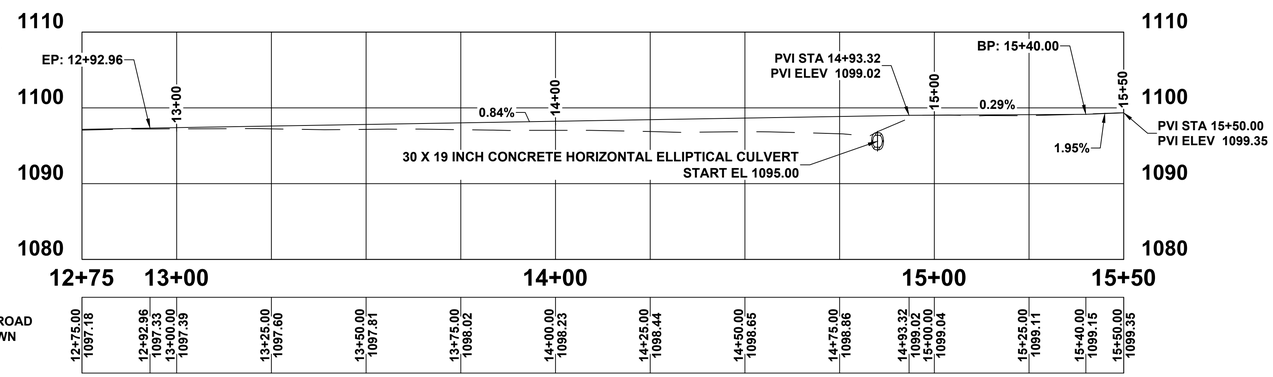
SHEET 2

NOTE:
CONTROL POINT USED IS JS-47




GENERAL NOTES:

1. CONTRACTOR SHALL, AT HIS EXPENSE, SET & MAINTAIN ALL LINE & GRADE STAKES.
2. CONTRACTOR SHALL GRADE ALL EXISTING STREETS, ALLEYS, & DRIVES TO MEET NEW CONST.
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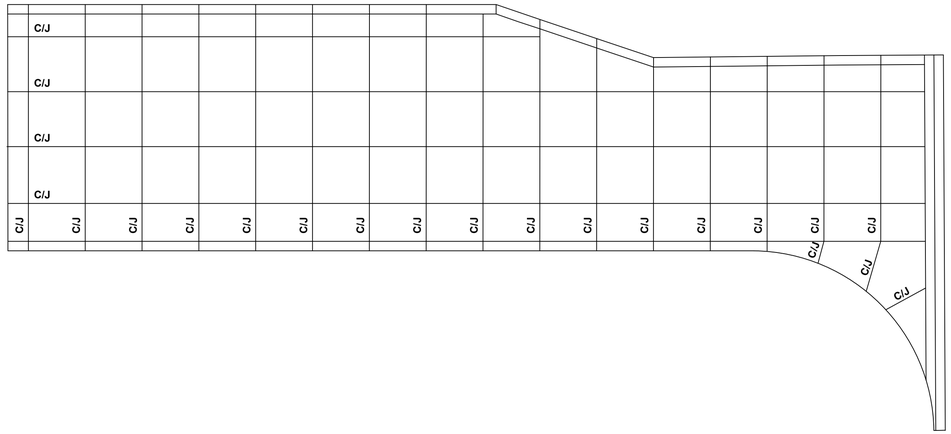

JAGUAR ROAD EXTENSION.dwg

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CITY OF JOPLIN | CITY OF JOPLIN, MISSOURI<br>PUBLIC WORKS DEPARTMENT<br>DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801<br>PH NO: 417-624-0820 EXT 530<br>FAX NO: 417-625-4738<br>E-MAIL: DHERTZBERG@JOPLINMO.ORG | REV DATE: -- | REVISION: PROJECT CHECK | SVYD BY: AMA<br>PNT FILE: N/A.TXT<br>SVY DATE: 10/2019<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME: STREETS\Distribution Center<br>SCALES: HORZ: 1" = 20'<br>VERT: 1" = 5' | DWN BY: STAFF<br>CKD BY: STAFF<br>APD BY: JOHNSON<br>DATE: 3/2020 | PROJECT<br>JAGUAR ROAD EXTENSION | PLAN NO: 8531<br>SHEET 3 |

GRAPHIC SCALE

0 10 20 40

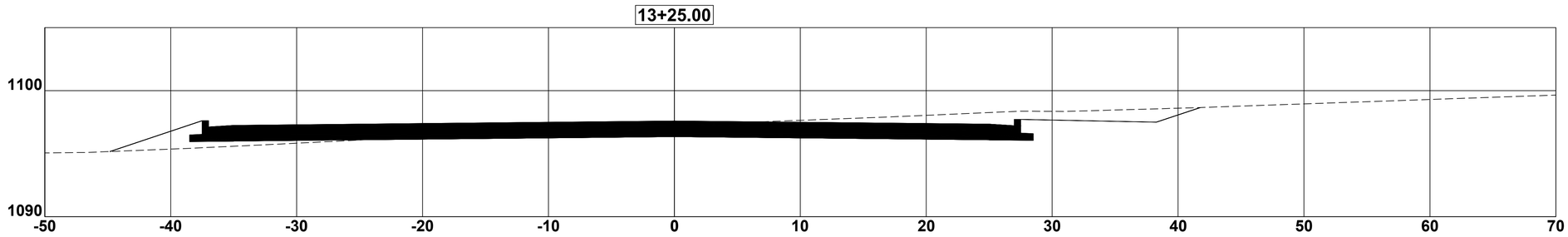
(IN FEET)
1 INCH = 20 FEET

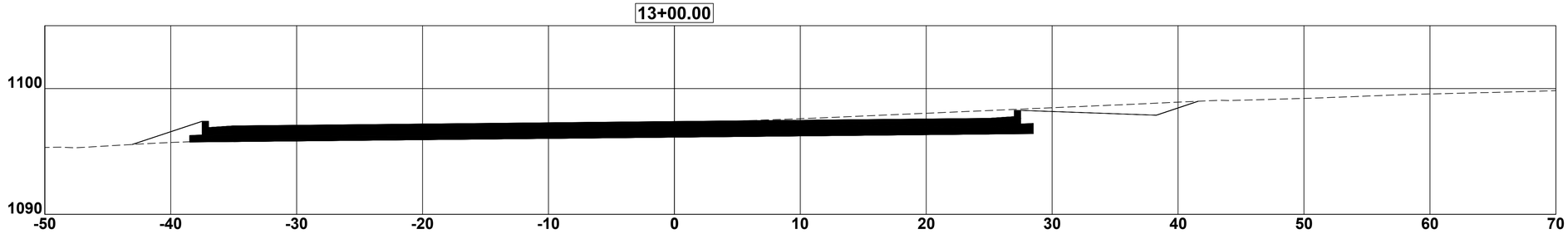



**CONTROL JOINT LAYOUT**

JAGUAR ROAD EXTENSION.dwg

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>PUBLIC WORKS DEPARTMENT<br>DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801<br>PH NO: 417-624-0820 EXT 530<br>FAX NO: 417-625-4738<br>E-MAIL: DHERTZBERG@JOPLINMO.ORG | REV DATE:<br>--<br> | REVISION:<br>PROJECT CHECK<br> | SVYD BY: AMA<br>PNT FILE: N/A.TXT<br>SVY DATE: 10/2019<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME:<br>STREETS\Distribution Center<br>SCALES: HORZ: 1" = 20'<br>VERT: 1" = 5' | DWN BY: STAFF<br>CKD BY: STAFF<br>APD BY: JOHNSON<br>DATE: 3/2020 | PROJECT<br>JAGUAR ROAD EXTENSION | PLAN NO: 8531<br>SHEET<br>4 |




JAGUAR ROAD EXTENSION.dwg

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E-MAIL: DHERTZBERG@JOPLINMO.ORG

| REV DATE: | REVISION: |
|---|---|
| -- | PROJECT CHECK |

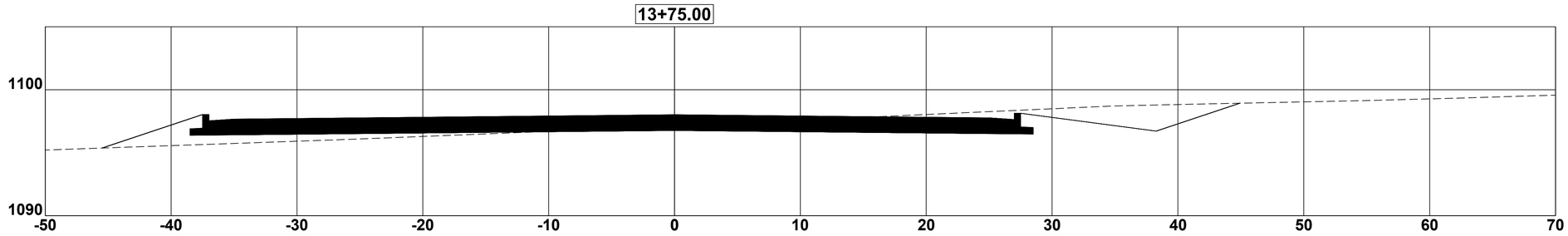
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| SVYD BY: | AMA |
| PNT FILE: | N/A.TXT |
| SVY DATE: | 10/2019 |
| ENGINEER: | HERTZBERG |

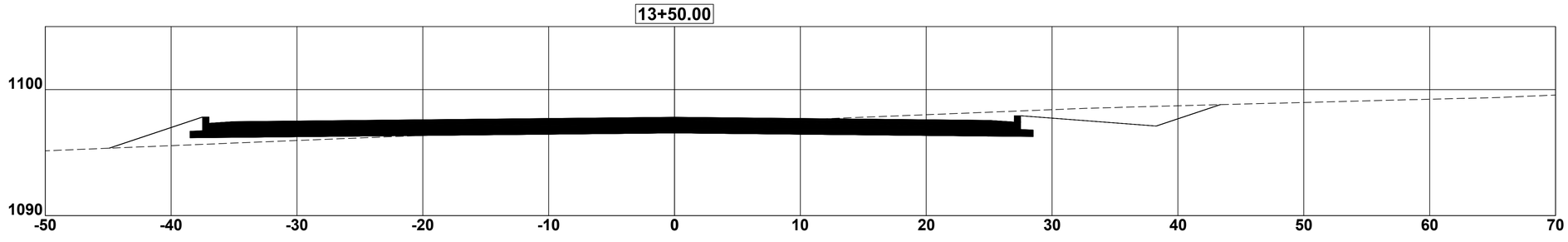
ACAD DWG FILE & PATH NAME: STREETS\Distribution Center
SCALES: HORZ: 1" = 5' VERT: 1" = 5'

| | |
|---|---|
| DWN BY: | STAFF |
| CKD BY: | STAFF |
| APD BY: | JOHNSON |
| DATE: | 3/2020 |

PROJECT
JAGUAR ROAD EXTENSION

PLAN NO: 8531
SHEET 5




JAGUAR ROAD EXTENSION.dwg

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FAX NO: 417-625-4738
E-MAIL: DHERTZBERG@JOPLINMO.ORG

| REV DATE: | REVISION: |
|---|---|
| -- | PROJECT CHECK |

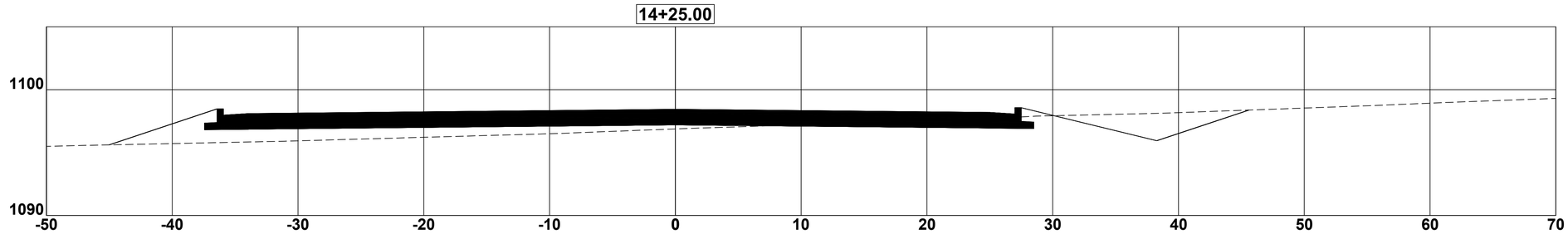
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| PNT FILE: | N/A.TXT |
| SVY DATE: | 10/2019 |
| ENGINEER: | HERTZBERG |

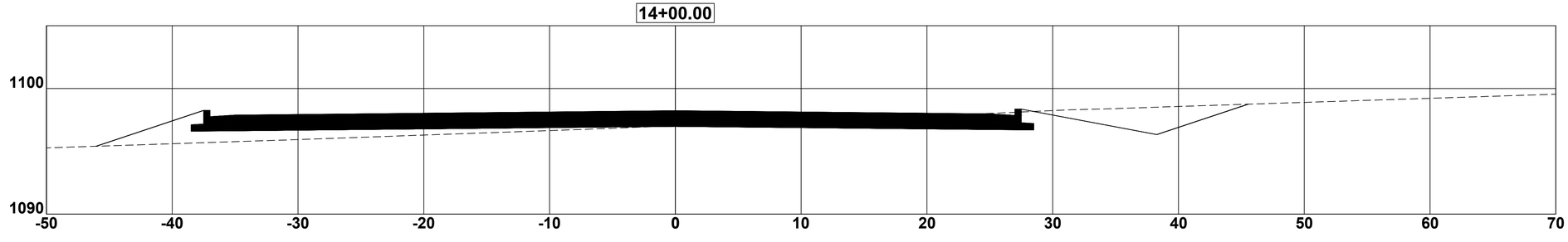
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SCALES: HORZ: 1" = 5' VERT: 1" = 5'

| | |
|---|---|
| DWN BY: | STAFF |
| CKD BY: | STAFF |
| APD BY: | JOHNSON |
| DATE: | 3/2020 |

PROJECT
# JAGUAR ROAD EXTENSION

PLAN NO: 8531
SHEET
6

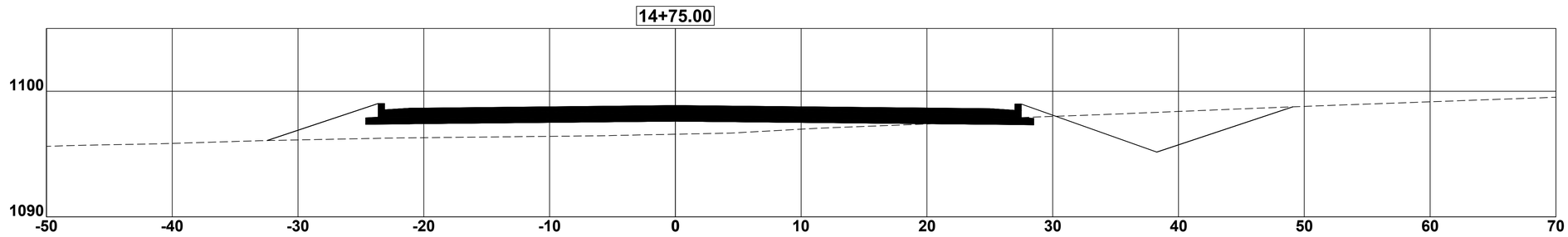


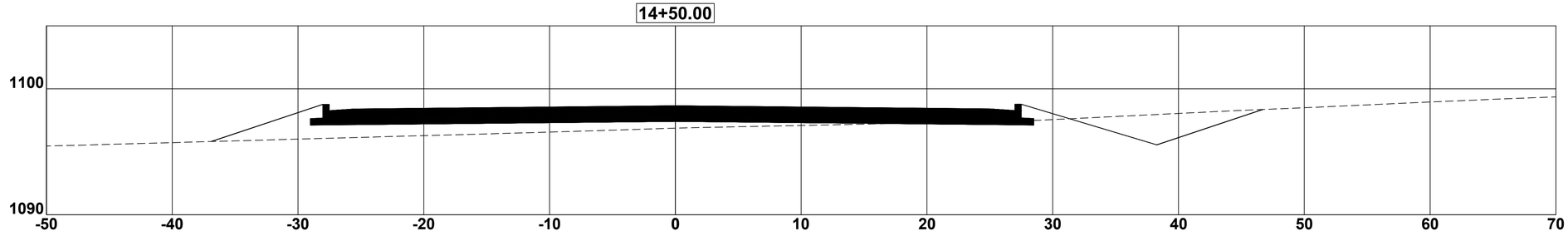




JAGUAR ROAD EXTENSION.dwg

MISSOURI ONE CALL SYSTEM, INC
1-800-344-7483
STOP. CALL BEFORE YOU DIG!

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>PUBLIC WORKS DEPARTMENT<br>DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801<br>PH NO: 417-624-0820 EXT 530<br>FAX NO: 417-625-4738<br>E-MAIL: DHERTZBERG@JOPLINMO.ORG | REV DATE:<br>-- | REVISION:<br>PROJECT CHECK | SVYD BY: AMA<br>PNT FILE: N/A.TXT<br>SVY DATE: 10/2019<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME:<br>STREETS\Distribution Center<br>SCALES: HORZ: 1" = 5'<br>VERT: 1" = 5' | DWN BY: STAFF<br>CKD BY: STAFF<br>APD BY: JOHNSON<br>DATE: 3/2020 | PROJECT<br>JAGUAR ROAD EXTENSION | PLAN NO: 8531<br>SHEET<br>7 |




JAGUAR ROAD EXTENSION.dwg

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FAX NO: 417-625-4738
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| REV DATE: | REVISION: |
|---|---|
| -- | PROJECT CHECK |

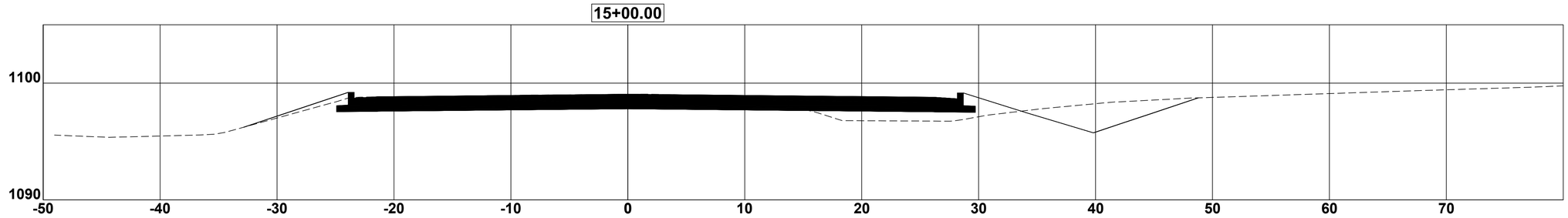
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| SVYD BY: | AMA |
| PNT FILE: | N/A.TXT |
| SVY DATE: | 10/2019 |
| ENGINEER: | HERTZBERG |

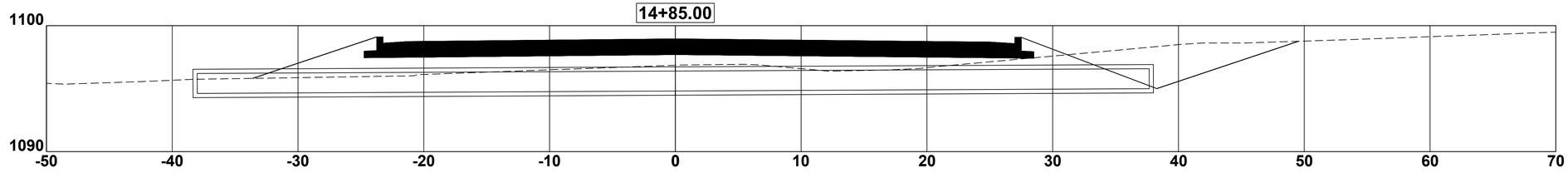
ACAD DWG FILE & PATH NAME: STREETS\Distribution Center
SCALES: HORZ: 1" = 5' VERT: 1" = 5'

| | |
|---|---|
| DWN BY: | STAFF |
| CKD BY: | STAFF |
| APD BY: | JOHNSON |
| DATE: | 3/2020 |

PROJECT
# JAGUAR ROAD EXTENSION

PLAN NO: 8531
SHEET
8



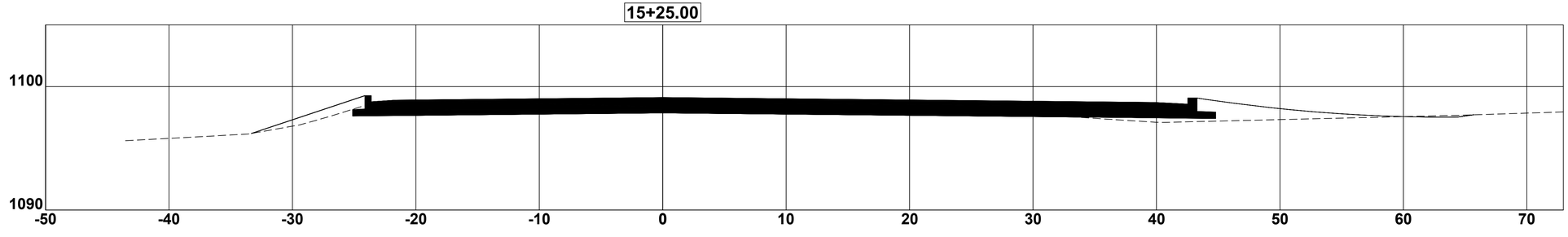




JAGUAR ROAD EXTENSION.dwg

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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>PUBLIC WORKS DEPARTMENT<br>DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801<br>PH NO: 417-624-0820 EXT 530<br>FAX NO: 417-625-4738<br>E-MAIL: DHERTZBERG@JOPLINMO.ORG | REV DATE:<br>--<br> | REVISION:<br>PROJECT CHECK<br> | SVYD BY: AMA<br>PNT FILE: N/A.TXT<br>SVY DATE: 10/2019<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME: STREETS\Distribution Center<br>SCALES: HORZ: 1" = 5' VERT: 1" = 5' | DWN BY: STAFF<br>CKD BY: STAFF<br>APD BY: JOHNSON<br>DATE: 3/2020 | PROJECT<br>JAGUAR ROAD EXTENSION | PLAN NO: 8531<br>SHEET<br>9 |

JAGUAR ROAD EXTENSION.dwg




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FAX NO: 417-625-4738
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| REV DATE: | REVISION: |
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| | |
|---|---|
| SVYD BY: | AMA |
| PNT FILE: | N/A.TXT |
| SVY DATE: | 10/2019 |
| ENGINEER: | HERTZBERG |

ACAD DWG FILE & PATH NAME: STREETS\Distribution Center

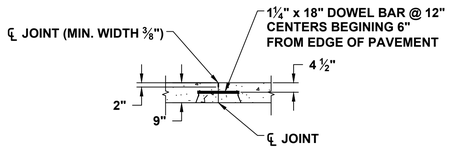
SCALES: HORZ: 1" = 20'
VERT: 1" = 5'

| | |
|---|---|
| DWN BY: | STAFF |
| CKD BY: | STAFF |
| APD BY: | JOHNSON |
| DATE: | 3/2020 |

PROJECT
**JAGUAR ROAD EXTENSION**

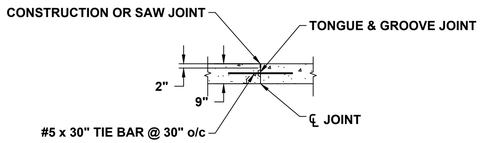
PLAN NO: 8531
SHEET
10

## TRANSVERSE CONTRACTION JOINT
N.T.S.




JOINTS ACROSS THE ROAD ARE TRANSVERSE JOINTS.

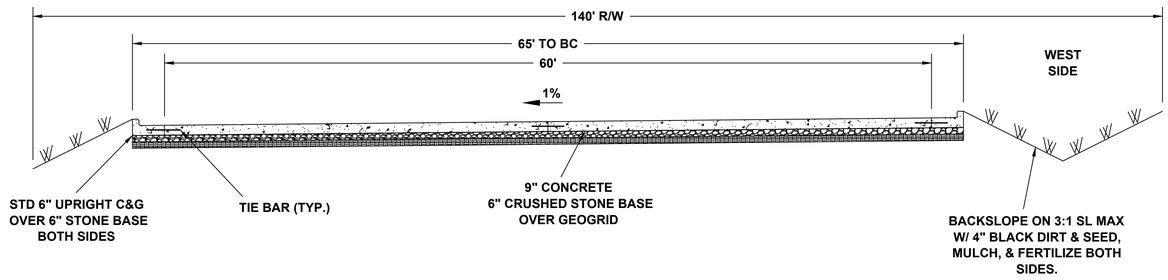
## LONGITUDINAL JOINT
N.T.S.




CENTER LINE AND EDGE OF PAVEMENT TO EDGE OF GUTTER ARE LONGITUDINAL JOINTS.

WHERE BAR SUPPORTS ARE USED ON EARTH OR AGGREGATE SUBGRADE SUITABLE PLATES OR CONTINUOUS BARS SHALL BE PROVIDED TO PREVENT DISPLACEMENT OF THE SUPPORT FOOT.

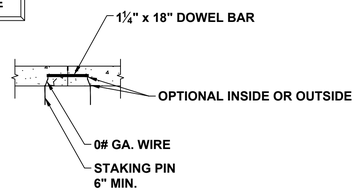
## TYPICAL SECTION
12+93.00 TO 13+20.00
N.T.S.




NOTE:
WELD ALTERNATE ENDS OF DOWEL TO BASKET

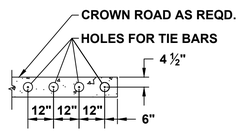
NOTE:
LEGS MAY BE STRAIGHT OR BENT SINGLE OR DOUBLE

## TYPE C DOWEL SUPPORT UNIT
N.T.S.

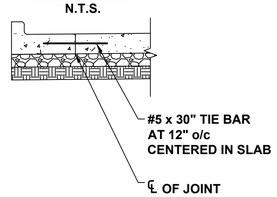



## HEADER SECTION
N.T.S.

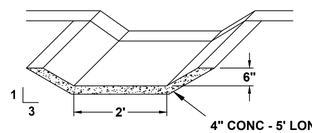
## PARTIAL ELEVATION
N.T.S.




## CURB & GUTTER TIE BAR DETAIL
N.T.S.

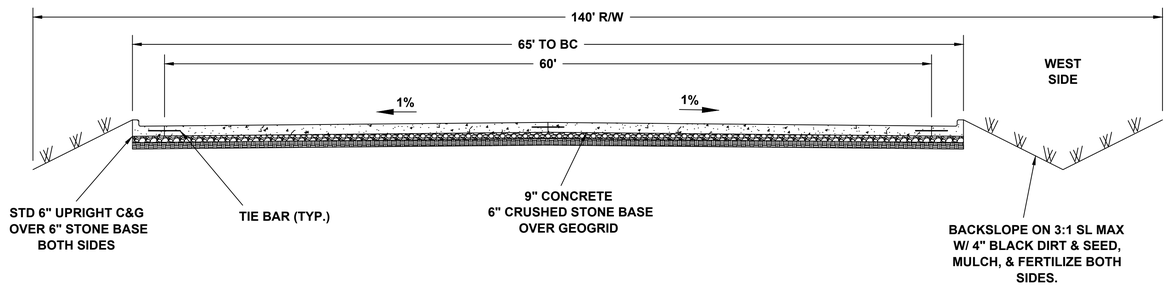



## TYPE "2" CONC. FLUME
N.T.S.

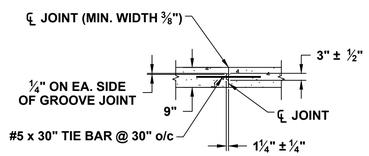



NOTE:
NORTH BOUND LANE VARIES IN WIDTH BEYOND STATION 14+21.90

## TYPICAL SECTION
13+20.00 TO 14+21.90
N.T.S.



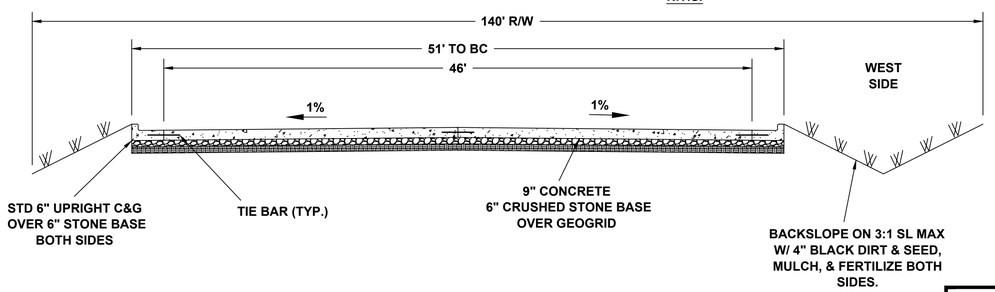

## TONGUE AND GROOVE JOINT
N.T.S.




IF METAL IS USED TO FORM KEY DISCONTINUE STRIP FOR DISTANCE OF APPROXIMATELY 3" EACH SIDE OF TRANSVERSE JOINT

NOTE:
SOUTH BOUND LANE VARIES IN WIDTH BEYOND STATION 14+90.00

## TYPICAL SECTION
14+21.90 TO 15+40.00
N.T.S.




GENERAL NOTES:

1. THE DOWEL SUPPORTING UNITS SHALL BE FACTORY ASSEMBLED AND CAPABLE OF HOLDING THE DOWELS IN THEIR REQUIRED POSITIONS. IN THE COMPLETED JOINT INSTALLATION, NO DOWEL SHALL VARY FROM ITS REQUIRED POSITION MORE THAN 1 IN 36.
2. THE DOWEL BAR SPACING SHALL BE 12" CENTERS, BEGINNING 6" FROM THE OUTER EDGES OF THE PAVEMENT.
3. THE FREE END OF EACH EPOXY COATED DOWEL SHALL BE MARKED WITH A SPOT OF PAINT AT LEAST ONE INCH DIAMETER AND CONTRASTING IN COLOR WITH THE EPOXY COATING
4. WIRES, BARS, OR CLIPS SHALL BE USED AS NECESSARY TO STRENGTHEN THE ASSEMBLIES. TIE WIRES, BARS, OR CLIPS USED TO STRENGTHEN DOWEL BASKETS FOR SHIPMENT AND INSTALLATION SHALL BE REMOVED OR CUT PRIOR TO PLACING CONCRETE.
5. STAKING PINS SHALL BE FABRICATED FROM #0 GA. WIRE MINIMUM WITH A SUITABLE HOOK. STAKING PINS SHALL HAVE A LENGTH OF 18" TYPE A AND TYPE B ASSEMBLIES AND 12" FOR TYPE C ASSEMBLY UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. MINOR VARIATIONS IN THE CONFIGURATION OF THE SUPPORT UNITS WILL BE ALLOWED.
7. ALL JOINTS TO BE SEALED PER CITY SPECIFICATIONS.

MISSOURI ONE CALL SYSTEM, INC. 1.800.344.7483 STOP - CALL BEFORE YOU DIG

JAGUAR ROAD EXTENSION.dwg

CITY OF Joplin
CITY OF JOPLIN, MISSOURI
PUBLIC WORKS DEPARTMENT
DIVISION OF ENGINEERING
ADDRESS: 602 S MAIN ST 64801
PH NO: 417-624-0820 EXT 530
FAX NO: 417-625-4738
E-MAIL: DHERTZBERG@JOPLINMO.ORG

| REV DATE: | REVISION: |
|---|---|
| -- | PROJECT CHECK |

| | |
|---|---|
| SVYD BY: | AMA |
| PNT FILE: | N/A.TXT |
| SVY DATE: | 10/2019 |
| ENGINEER: | HERTZBERG |

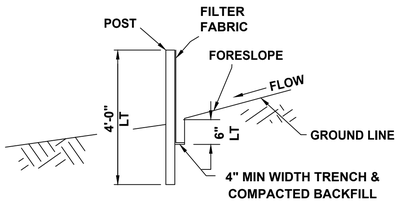
ACAD DWG FILE & PATH NAME: STREETS\Distribution Center

SCALES:

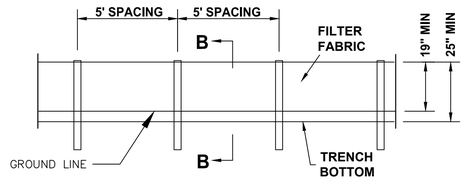
| | |
|---|---|
| DWN BY: | STAFF |
| CKD BY: | STAFF |
| APD BY: | JOHNSON |
| DATE: | 3/2020 |

PROJECT
**JAGUAR ROAD EXTENSION**

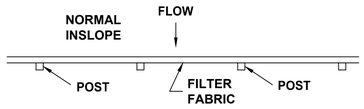
PLAN NO: 8531
SHEET
**11**




TYPICAL B-B




ELEVATION DETAIL



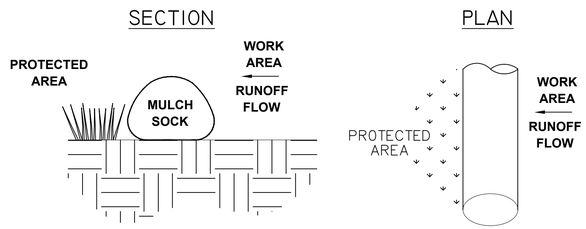

PLAN VIEW
DETAIL A

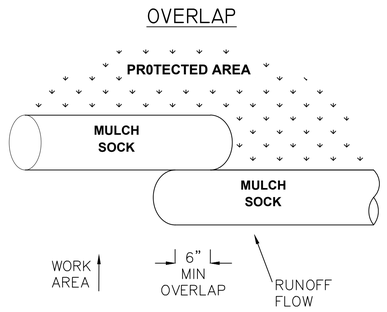
**SILT FENCE NOTES:**
USE SILT FENCE FOR FILL HEIGHTS GREATER OR EQUAL TO 10'. FOR FILLS GREATER THAN 10' HIGH, MID-SLOPE RUNS OF SILT FENCE SHOULD BE CONSIDERED.

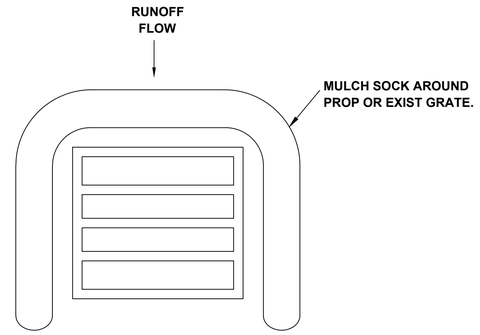
**FOR FABRIC SILT FENCE:**
MINIMUM LONGITUDINAL SPLICE OVERLAP SHALL BE 2' WITH A POST AT EACH END.
SECURE FABRIC TO POSTS.

# FABRIC SILT FENCE

NTS

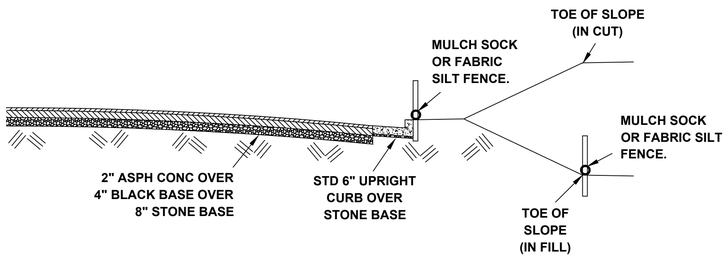



# MULCH SOCK INSTALLATION DETAILS

NTS




# EROSION CONTROL DETAIL

NTS

**EROSION CONTROL NOTES:**

1. TEMPORARY OR FINAL SEEDING SHALL BE DONE IMMEDIATELY UPON COMPLETION OF GRADING.
2. MULCH SOCKS SHALL BE INSTALLED AROUND EACH NEW OR EXISTING CURB INLET.
3. A LINED CONCRETE TRUCK CLEAN OUT AREA IS REQUIRED BY REGULATION.

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JAGUAR ROAD EXTENSION.dwg

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|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>PUBLIC WORKS DEPARTMENT<br>DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801<br>PH NO: 417-624-0820 EXT 530<br>FAX NO: 417-625-4738<br>E-MAIL: DHERTZBERG@JOPLINMO.ORG | REV DATE:<br>--<br> | REVISION:<br>PROJECT CHECK<br> | SVYD BY: AMA<br>PNT FILE: N/A.TXT<br>SVY DATE: 10/2019<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME:<br>STREETS\Distribution Center<br>SCALES: | DWN BY: STAFF<br>CKD BY: STAFF<br>APD BY: JOHNSON<br>DATE: 3/2020 | PROJECT<br>JAGUAR ROAD EXTENSION | PLAN NO: 8531<br>SHEET<br>12 |