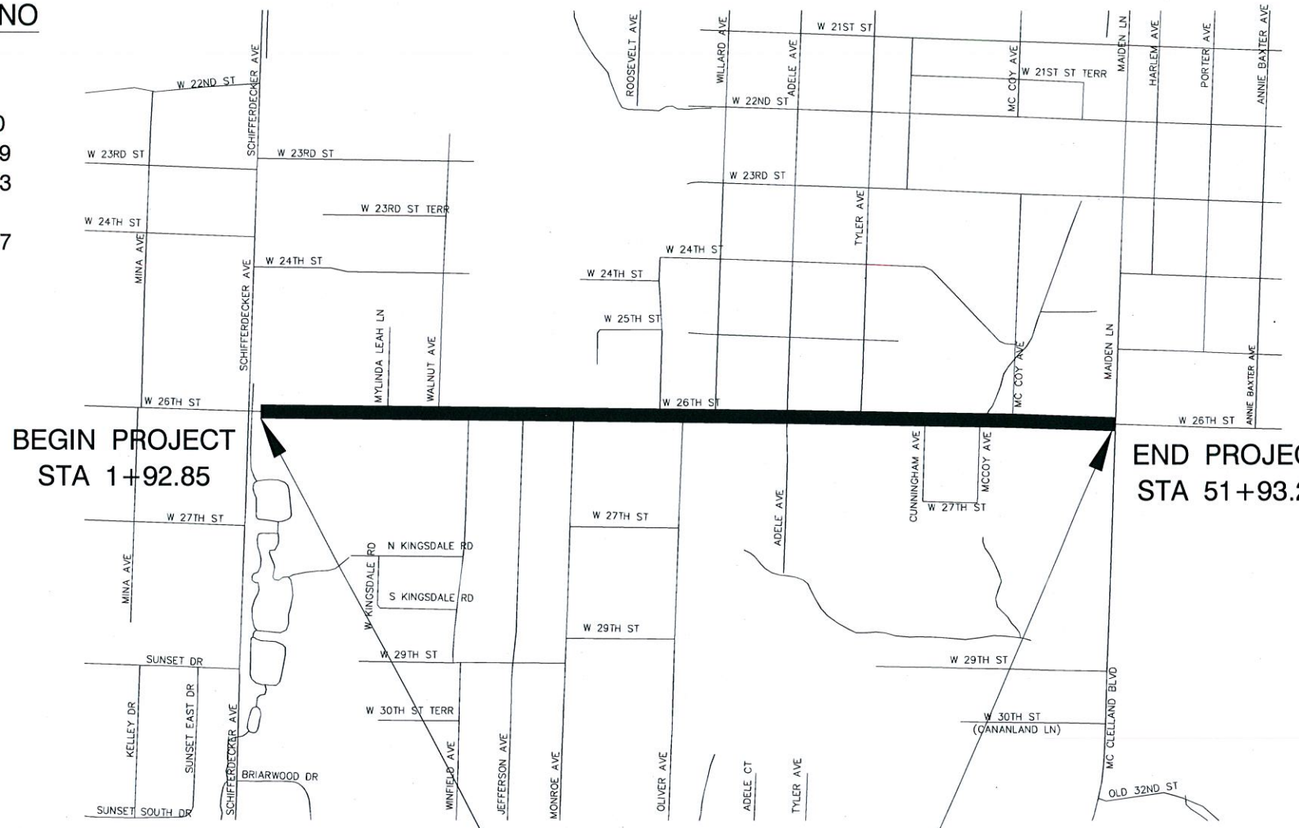
# CITY OF JOPLIN
# DESIGN PLANS FOR
# 26TH ST - SCHIFFERDECKER TO MAIDEN LANE
# WIDEN EXISTING PAVEMENT TO 3 LANES
# INSTALL NEW C & G, WALK, & HANDICAP RAMPS
# INSTALL NEW STORM SEWER SYSTEM

## INDEX OF SHEETS


| DESCRIPTION | DWG NO |
|---|---|
| TITLE SHEET | 1 |
| SUMMARY OF QUANTITIES | 1A |
| PLAN & PROFILE SHEETS | 2 - 10 |
| CROSS SECTION SHEETS | 11 - 19 |
| STRIPING PLANS | 20 - 23 |
| EROSION CONTROL PLAN | 24 |
| TRAFFIC CONTROL PLANS | 25 - 27 |


PROJECT LENGTH = 5000'




PROJECT LOCATION

### EXISTING FEATURE LEGEND

| | |
|---|---|
| CP=NAIL/PIN SET | YARD HYDRANT |
| IP=CROSS/PIN FND | MONITORING WELL |
| EM=ELECTRIC METER | SIG PULL BOX |
| PP=POWER POLE | SIG CONTROLLER |
| LP=LIGHT POLE | SIG BASE/ARM |
| GY=GUY/ANCHOR | SIG PED |
| OHE OVERHEAD ELEC | TR=TREE |
| WM=WATER METER | TRAN=TRANSFORMER |
| WV=WATER VALVE | BUSH |
| W WATER LINE | STUMP |
| FH=FIRE HYDRANT | PED=TELE PEDESTAL |
| SS SAN SEWER LINE | UGT UNDERGRND TELE |
| SIGN | GM=GAS METER |
| STM SEWER LINE | GV=GAS VALVE |
| MH=STM SEWER MH | G GAS LINE |
| DROP INLET/GRATE | MH=SAN SEWER MH |
| MB=MAIL BOX | SWR CO=SEWER CLEANOUT |

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.

ALL WORK SHALL CONFORM TO THE CITY OF JOPLIN STANDARD DRAWINGS & SPECIFICATIONS

FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

CITY OF JOPLIN
PROJECT NO. 8459

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

CITY OF Joplin


CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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


| REV DATE: | REVISION: |
|---|---|
| 9/2012 | CREATED DWG |

| | |
|---|---|
| SVYD BY: | ANDERSON |
| PNT FILE: | W 26TH ST.TXT |
| SVY DATE: | 5/2010 |
| ENGINEER: | HERTZBERG |
| ACAD DWG FILE & PATH NAME: | 26THSCHIFFML\26SCHIFFMLCOVER |
| SCALES: | N/A N/A |
| DWN BY: | STAFF |
| CKD BY: | BRADLEY |
| APD BY: | SCHALLER |
| DATE: | 9/2012 |

PROJECT
TITLE SHEET - WIDENING OF 26TH ST
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
1 of 27

# SUMMARY OF QUANTITIES

## Sidewalk & ADA Ramps

| Sheet | Location | | | | L.F. | Driveway Exceptions L.F. | Drop Inlet Exceptions L.F. | ADA Ramp Exceptions L.F. | Sidewalk Length L.F. | 4" Conc. Sidewalk (6" R.) Fiber Reinf. w/2" Base S.Y. | Poured Conc. Sidewalk Wall L.F. | Conc. Steps Each | Type B ADA Ramps Each | Type C ADA Ramps Each | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | +45.9 | 6+00. | Rt. | 554.1 | 90 | 14 | | | 450.1 | 300.1 | | | | | |
| 2 | +93. | 6+00. | Lt. | 507.0 | 80 | 32 | | | 389.0 | 259.3 | | | | | |
| 3 | 6+00. | 12+00. | Rt. | 600.0 | 116 | 13 | 34 | | 437.0 | 291.3 | | | 2 | | |
| 3 | 6+00. | 8+07.03 | Lt. | 207.0 | 84 | 16 | | | 107.0 | 71.4 | 210.0 | | | | |
| 3 | 7+65. | | Lt. | | | | | | | | | 1 | | | 5 Steps (8" x 12") |
| 3 | Mylinda Leah Lane | | | | | | | | | | | | 2 | | |
| 3 | 8+66.79 | 11+13.66 | Lt. | 246.9 | 19 | 13 | | | 214.9 | 143.2 | | | | | |
| | Walnut Avenue | | | | | | | | | | | | 2 | | |
| 3 | 11+13.66 | 12+00. | Lt. | 86.3 | 21 | | | | 65.3 | 43.6 | | | | | |
| 4 | 12+00. | 12+98.04 | Rt. | 98.0 | 21 | | | | 77.0 | 51.4 | | | | | |
| | Winfield Avenue | | | | | | | | | | | | 2 | | |
| 4 | 13+58.17 | 10+24.39 | Rt. | 266.2 | 21 | | | | 245.2 | 163.5 | | | | | |
| | Jefferson Avenue | | | | | | | | | | | | 2 | | |
| 4 | 16+84.39 | 18+00. | Rt. | 115.6 | | | | | 115.6 | 77.1 | | | | | |
| 4 | 12+00. | 18+00. | Lt. | 600.0 | 44 | | 34 | | 522.0 | 348.0 | | | 2 | | |
| 5 | 18+00. | 19+25.5 | Rt. | 125.5 | 51 | 12 | | | 62.5 | 41.7 | | | | | |
| | Monroe Avenue | | | | | | | | | | | | 2 | | |
| 5 | 19+85.34 | 24+00. | Rt. | 414.7 | | 13 | | | 401.7 | 267.8 | | | | | |
| 5 | 18+00. | 24+00. | Lt. | 600.0 | 94 | | 17 | | 489.0 | 326.0 | | | 1 | | |
| 5 | 19+50. | | Lt. | 7.0 | | | | | 7.0 | 4.7 | | | | | |
| 6 | 24+00. | 25+78.17 | Rt. | 178.2 | 19 | 12 | | | 147.2 | 98.1 | | | | | |
| | Oliver Avenue | | | | | | | | | | | | 2 | | |
| 6 | 26+38.25 | 30+00. | Rt. | 361.8 | 71 | 13 | 17 | | 260.8 | 173.8 | | | 1 | | |
| 6 | 24+00. | 24+44.77 | Lt. | 44.8 | | 16 | | | 28.8 | 19.2 | | | | | |
| | Roosevelt Avenue | | | | | | | | | | | | 2 | | |
| 6 | 25+04.78 | 27+74.8 | Lt. | 270.0 | 59 | 13 | | | 198.0 | 132.0 | | | | | |
| | Willard Avenue | | | | | | | | | | | | 2 | | |
| 6 | 28+34.87 | 30+00. | Lt. | 165.1 | 32 | | | | 133.1 | 88.8 | 44.0 | | | | |
| | 30+00. | 32+13.56 | Rt. | 213.6 | 40 | 13 | | | 160.6 | 107.0 | | | | | |
| | Adele Avenue | | | | | | | | | | | | 2 | | |
| 7 | 32+73.5 | 36+00. | Rt. | 326.5 | | | | | 326.5 | 217.7 | | | | | |
| 7 | 30+00. | 32+14.66 | Lt. | 214.7 | 70 | 13 | | | 131.7 | 87.8 | | | | | |
| | Adele Avenue | | | | | | | | | | | | 2 | | |
| 7 | 32+74.82 | 36+00. | Lt. | 325.2 | 20 | 12 | 17 | | 276.2 | 184.1 | | | 1 | | |
| 8 | 36+00. | 40+45.61 | Rt. | 445.6 | 37 | 30 | 17 | | 361.6 | 241.1 | | | 1 | | |
| | Cunningham Avenue | | | | | | | | | | | | 2 | | |
| 8 | 41+05.64 | 42+00. | Rt | 94.4 | | | | | 94.4 | 62.9 | | | | | |
| 8 | 36+00. | 36+54.71 | Lt. | 54.7 | | 16 | | | 38.7 | 25.8 | | | | | |
| | Tyler Avenue | | | | | | | | | | | | 2 | | |
| 8 | 37+14.74 | 42+00. | Lt. | 485.3 | 112 | 12 | | | 361.3 | 240.8 | 154.0 | | | | |
| 9 | 42+00. | 43+71.27 | Rt. | 171.3 | 35 | | | | 136.3 | 90.8 | | | | | |
| | McCoy Avenue | | | | | | | | | | | | 2 | | |
| 9 | 44+30.25 | 48+00. | Rt. | 369.8 | | | 17 | | 352.8 | 235.2 | 56.0 | | 1 | | |
| 9 | 42+00. | 45+66.87 | Lt. | 366.9 | 43 | 9 | | | 314.9 | 209.9 | 185.0 | | | | |
| | McCoy Avenue | | | | | | | | | | | | 2 | | |
| 9 | 46+27.5 | 48+00. | Lt. | 172.5 | 30 | 18 | | | 124.5 | 83.0 | 96.0 | | | | |
| 10 | 48+00. | 51+77.9 | Rt | 377.9 | 171 | | | | 206.9 | 137.9 | 171.0 | | 2 | | |
| 10 | 48+00. | 51+59.38 | Lt. | 359.4 | 158 | 14 | | | 187.4 | 124.9 | 195.0 | | 1 | | |
| 10 | McCelland Avenue | | | | | | | | 24.0 | 16.0 | | | 2 | 1 | |
| | | | | | | | | | Totals | 4905.8 | 1111.0 | 1 | 42 | 1 | |

## WIDENING AND SURFACING

| Existing Pavement S.F. | Widening S.F. | Side Streets | Crushed Stone Base (8" Thick) S.Y. | Asph. Conc. Base 8" Thick Ton * | Asph Conc. Surface 1 1/2" Thick Ton * | Asph Conc. Leveling 1/2" Thick Ton * | Glaspave25 Paving Mat S.Y. | Prime Gal. ** | Tack Gal. *** | Saw Cut L.F. | Adjust Manhole Each | Pavement Edge Treatment L.F. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 122500 | 72000 | 8520 | 8947 | 3950 | 1808 | 563 | 21650 | 2237 | 681 | 2000 | 16 | 10000 | |
| | | | | | | | | | | | | | |
| | | Totals | 8947 | 3950 | 1808 | 563 | 21650 | 2237 | 681 | 2000 | 16 | 10000 | |

* Est. @ 1.987 Tons/C.Y.
** Est. @ 0.25 Gal/S.Y.
*** Est. @ 0.05 Gal/S.Y.

## PAVEMENT MARKINGS

| | Acrylic Waterborne Pavement Marking Paint | | | | Preformed Marking Tape (Grooved) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 4" White L.F. | 4" Yellow L.F. | 6" White L.F. | 24" White L.F. | Left Arrow Each | Straight Arrow Each | Straight/Right Arrow Each | Bike Symbol Each | Bike Lane Arrow Each |
| | 10200 | 7900 | 2550 | 33 | 51 | 1 | 1 | 102 | 102 |
| Totals | 10200 | 7900 | 2550 | 33 | 51 | 1 | 1 | 102 | 102 |

## DRAINAGE STRUCTURES

| Location | 4' x 4' Type D (3' to 4' Depth) | 4' x 4' Type D (4' to 5' Depth) | 4' x 5' Type D (3' to 4' Depth) | 4' x 5' Type D (4' to 5' Depth) | 4' x 6' Type D (3' to 4' Depth) | 4' x 6' Type C (4' to 5' Depth) | 5' x 4' Type D (4' to 5' Depth) | 5' x 5' Type D (4' to 5' Depth) | 5' x 5' Type D (5' to 8' Depth) | 4' x 7' Type D (4' to 5' Depth) | 4' x 8' Type D (3' to 4' Depth) | 4' x 8' Type D (4' to 5' Depth) | 5' x 8' Type D (5' to 6' Depth) | 4' x 9' Type C (11' to 12' Depth) | 9' x 4' Junct. Box (8' to 9' Depth) | 9' x 9' Junct. Box (11' to 12' Depth) | 4' x 6' Type S-2 Drop Inlet (6' to 7' Depth) | Modify D.I. to Junct. Box | 3' x 14' Trench Box & Grate (3' to 4' Depth) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2+20 Lt | | | | | | | | | | | | 1 | | | | | | | | |
| 4+90 Lt | | | | | | | | | | | | 1 | | | | | | | | |
| 4+90 Rt | | | | | 1 | | | | | | | | | | | | | | | |
| 8+00 Lt | | | | | | | | | | | 1 | | | | | | | | | |
| 8+00 Rt | | | 1 | | | | | | | | | | | | | | | | | |
| Mylinda Leah L | 1 | | | | | | | | | | | | | | | | | | | |
| 11+05 Lt | | | 1 | | | | | | | | | | | | | | | | | |
| 19+20 Lt | | | 1 | | | | | | | | | | | | | | | | | |
| 19+20 Rt | | 1 | | | | | | | | | | | | | | | | | | |
| Monroe Ave | | | | | | | | | | 1 | | | | | | | | | | |
| 22+00 Lt | | | 1 | | | | | | | | | | | | | | | | | |
| 22+00 Rt | | | | 1 | | | | | | | | | | | | | | | | |
| 24+37 Lt | | | | | | | | | | | | 1 | | | | | | | | |
| 24+37 Rt | | | | | | | 1 | | | | | | | | | | | | | |
| Roosevelt Ave | | | | | | | | | | | 2 | | | | | | | | | |
| 27+09 Lt | | | | | | | | 1 | | | | | | | | | | | | |
| 27+69 Rt | | | | | | | | 1 | | | | | | | | | | | | |
| 32+09 Lt | | | | | | | | | | 1 | | | | | | | | | | |
| 32+68 Rt | | | 1 | | | | | | | | | | | | | | | | | |
| 34+50 Lt | | | | | | | 1 | | | | | | | | | | | | | |
| 36+31 Lt | | | | | | | | | | | | | 1 | | | | | | | |
| 36+50 Lt | | | | | | | | | | | | | | | | | | 1 | | Incl. MH Frame & Cover |
| 36+ Lt | | | | | | | | | | | | | | | | | 1 | | | MoDOT Standard |
| Joplin Ave. West | | | | | | | | | | | | 3 | | | | | | | | |
| Joplin Ave. East | | 1 | | | | | | | | | | | | | | | | | | |
| 37+15 Lt | | | | | | | | | | | | | | | | | | 1 | | Incl. MH Frame & Cover |
| 38+68 Rt | | | | | 1 | | | | | | | | | | | | | | | |
| 38+78 Lt | | | | | | | | | | | | | | | | | | 1 | | Incl. MH Frame & Cover |
| 38+78 Lt | | 1 | | | | | | | | | | | | | | | | | | |
| 39+04 Lt | | | | | | | | | | | | | | | | | | | 1 | |
| 39+52 Lt | | | | | | | | | | | | | | | | | | 1 | | Incl. MH Frame & Cover |
| Cunningham West | | | | | | | | | | | 2 | | | | | | | | | |
| Cunningham East | | | | | | 1 | | | | | | | | | | | | | | |
| 40+93 Lt | | | | | | | | | | | | | | | 1 | | | | | |
| McCoy Ave. West | | | 1 | | | | | | | | | | | | | | | | | |
| McCoy Ave. East | | | | | | | | | | | 1 | | | | | | | | | |
| 44+29 Lt | | | | | | | | | | | | | | | | 1 | | 1 | | Incl. MH Frame & Cover |
| 44+38 Lt | | | | | | | | | | | | | | 1 | | | | | | |
| 46+36 Lt | | | | 2 | | | | | | | | | | | | | | | | |
| 49+30 Lt | | | | | 1 | | | | | | | | | | | | | | | |
| Totals | 1 | 3 | 6 | 3 | 3 | 1 | 2 | 2 | 1 | 1 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | |

## DEMOLITION, CLEARING & GRUBBING & MAILBOXES

| Sheet | Remove Existing Curb & Gutter L.F. | Remove Existing Drainage Pipes Each | Removal of Existing Asphalt Pavement S.Y. | Remove existing Concrete Pavement S.Y. | All Other Removals Lump Sum | Clear & Grubb Incl. Tree Removal Lump Sum | Relocate Exist. Mail Boxes Each |
|---|---|---|---|---|---|---|---|
| 2 | 485 | 2 | | | 70 - Rock Wall, Rock Landscaping, Planter | | 7 |
| 3 | 264 | 2 | 230 | 57 | Conc. Steps, Sidewalk, Planter | | 8 |
| 4 | | | 307 | | Misc. Items | | 2 |
| 5 | 460 | | 159 | | Misc. Items | | 4 |
| 6 | 238 | | 228 | 250 | Misc. Items | | 1 |
| 7 | | 1 | 152 | 109 | Misc. Items | | 2 |
| 8 | 30 | | 244 | 116 | Misc. Items | | |
| 9 | 400 | 1 | 381 | 112 | Misc. Items | | |
| 10 | 140 | | 942 | 161 | Misc. Items | | |
| Totals | 2017 | 6 | 2643 | 805 | 1 | 1 | 24 |
| | | | LUMP SUM 1 | | | | |

## MOBILIZATION

| | | |
|---|---|---|
| LUMP SUM | | 1 |

## SEEDING, FERTILIZATING AND MULCHING

| | | | |
|---|---|---|---|
| Total | | 2 | Acres |

## Curb and Gutter

| Sheet | Sta. | | | Sta. | Length L.F. | Drop Inlet Exceptions (Fiber Reinf.) L.F. | Standard Upright C.& G. w/4" Base L.F. | Type S Curb L.F. | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1+92.85 | 6+00 | Lt | Lt. | 407.2 | 32 | 375 | | |
| 2 | 1+93.38 | 6+00. | Rt. | Rt. | 406.6 | 14 | 393 | | |
| 3 | 6+00. | 12+00. | Rt. | Rt. | 600.0 | 13 | 587 | | |
| 3 | 6+00. | 8+07.03 | Lt. | Lt. | 207.0 | 16 | 191 | | |
| Mylinda Leah Lane | | | | | | | 46 | | |
| 3 | 8+66.79 | 11+13.66 | Lt. | Lt. | 246.9 | 13 | 234 | | |
| Walnut Avenue | | | | | | | 46 | | |
| 3 | 11+73.66 | 12+00. | Lt. | Lt. | 26.3 | | 26 | | |
| 4 | 12+00. | 12+98.04 | Rt. | Rt. | 98.0 | | 98 | | |
| Winfield Avenue | | | | | | | 60 | | |
| 4 | 13+58.17 | 10+24.39 | Rt. | Rt. | 266.2 | | 266 | | |
| Jefferson Avenue | | | | | | | 112 | | |
| 4 | 16+84.39 | 18+00. | Rt. | Rt. | 115.6 | | 116 | | |
| 4 | 12+00. | 18+00. | Lt. | Lt. | 600.0 | | 600 | | |
| 5 | 18+00. | 19+25.5 | Rt. | Rt. | 125.5 | 12 | 114 | | |
| Monroe Avenue | | | | | | | 58 | | |
| 5 | 19+85.34 | 24+00. | Rt. | Rt. | 414.7 | 13 | 402 | | |
| 5 | 18+00 | 24+00. | Lt. | Lt. | 600.0 | | 600 | | |
| 6 | 24+00. | 25+78.17 | Rt. | Rt. | 178.2 | 12 | 166 | | |
| Oliver Avenue | | | | | | | 46 | | |
| 6 | 26+38.25 | 30+00. | Rt. | Rt. | 361.8 | 13 | 349 | | |
| 6 | 24+00. | 24+44.77 | Lt. | Lt. | 44.8 | 16 | 29 | | |
| Roosevelt Avenue | | | | | | | 46 | | |
| 6 | 25+04.78 | 27+74.8 | Lt. | Lt. | 270.0 | 13 | 257 | | |
| Willard Avenue | | | | | | | 46 | | |
| 6 | 28+34.87 | 30+00. | Lt. | Lt. | 165.1 | | 165 | | |
| | 30+00. | 32+13.56 | Rt. | Rt. | 213.6 | 13 | 201 | | |
| Adele Avenue | | | | | | | 46 | | |
| 7 | 32+73.5 | 36+00. | Rt. | Rt. | 326.5 | | 327 | | |
| 7 | 30+00. | 32+14.66 | Lt. | Lt. | 214.7 | 13 | 202 | | |
| Adele Avenue | | | | | | | 46 | | |
| 7 | 32+74.82 | 30+00 | Lt. | Lt. | 325.2 | 12 | 313 | | |
| 9 | 36+00. | 40+45.61 | Rt. | Rt. | 445.6 | 30 | 416 | | |
| Cunningham Avenue | | | | | | | 46 | | |
| 8 | 41+05.64 | 42+00. | Rt. | Rt. | 94.4 | | 94 | | |
| 8 | 36+00. | 36+54.71 | Lt. | Lt. | 54.7 | 16 | 39 | | |
| Tyler Avenue | | | | | | | 46 | | |
| 8 | 37+14.74 | 42+00. | Lt. | Lt. | 485.3 | 12 | 473 | | |
| 9 | 42+00. | 43+71.27 | Rt. | Rt. | 171.3 | | 171 | | |
| McCoy Avenue | | | | | | | 49 | | |
| 9 | 44+30.25 | 48+00. | Rt. | Rt. | 369.8 | | 370 | 318 | |
| 9 | 42+00. | 45+66.87 | Lt. | Lt. | 366.9 | 9 | 358 | 411 | |
| McCoy Avenue | | | | | | | 54 | | |
| 9 | 46+27.5 | 48+00. | Lt. | Lt. | 172.5 | 18 | 155 | | |
| 10 | 48+00. | 51+77.9 | Rt. | Rt. | 377.9 | | 378 | 36 | |
| 10 | 48+00. | 51+59.38 | Lt. | Lt. | 359.4 | 14 | 345 | 24 | |
| 10 | McCelland Blvd | | | | | | 53 | | |
| | | | | Totals | | | 9607 | 789 | |

## Concrete Driveways & Gutter Crossings

| Sheet | Location | | Width | 6" Conc. (Fiber Reinf.) w/2" Base S.Y. | 8" Conc. (Fiber Reinf.) w/2" Base S.Y. | 8" Conc. Gutter Xing (Fiber Reinf.) w/4" Base S.Y. | Type O Integral Curb L.F. | Remarks |
|---|---|---|---|---|---|---|---|---|
| 2 | 1+74 | Rt | 14 | 45.3 | | | | |
| 2 | 2+51 | Lt | 19 | 29.1 | | | | |
| 2 | 2+90 | Rt | 12 | 74.8 | | | | |
| 2 | 4+13 | Lt | 22 | 32.4 | | | | |
| 2 | 4+41 | Rt | 18 | 57.8 | | | | |
| 2 | 4+65 | Lt | 16 | 89.8 | | | | |
| 2 | 5+46 | Lt | 12 | 21.3 | | | | |
| 3 | 6+17 | Lt | 10 | 55.8 | | | | |
| 3 | 6+42 | Lt | 16 | 62.5 | | | | |
| 3 | 6+64 | Rt | 15 | 35.0 | | | | |
| 3 | 7+18 | Lt | 12 | 115.1 | | | 68 | |
| 3 | 7+40 | Lt | 10 | 64.7 | | | | |
| 3 | 7+77 | Rt | 19 | 29.1 | | | | |
| 3 | Mylinda Lane | Lt | 20 | | | 28.2 | | |
| 3 | 8+90 | Lt | 10 | 35.8 | | | | |
| 3 | 9+17 | Rt | 13 | 22.4 | | | | |
| 3 | 9+54 | Rt | 13 | 22.4 | | | | |
| 3 | Walnut Ave. | Lt | 26 | | | 28.2 | | |
| 3 | 11+62 | Rt | 11 | 20.2 | | | | |
| 3 | 11+93 | Lt | 12 | 21.3 | | | | |
| 4 | 12+62 | Rt | 10 | 19.1 | | | | |
| 4 | 13+51 | Lt | 35 | | 46.9 | | | |
| 4 | 15+01 | Rt | 12 | 21.3 | | | | |
| 4 | Jefferson Ave. | rt | 20 | | | 28.2 | | |
| 5 | 18+78 | Lt | 25 | | 35.8 | | | |
| 5 | Monroe Ave. | Rt | 26 | | | 28.2 | | |
| 5 | 19+86 | Lt | 12 | 21.3 | | | | |
| 5 | 20+86 | Lt | 10 | 19.1 | | | | |
| 5 | 21+39 | Rt | 12 | 26.7 | | | | |
| 5 | 23+06 | Rt | 21 | 1.3 | | | | |
| 5 | 23+22 | Lt | 11 | 27.6 | | | | |
| 6 | Roosevelt Ave. | Lt | 20 | | | 28.2 | | |
| 6 | 26+18 | Lt | 11 | | 20.2 | | | |
| 6 | 26+67 | Lt | 30 | 41.3 | | | | |
| 6 | 27+99 | Rt | 17 | 26.9 | | | | |
| 6 | 28+54 | Rt | 13 | 22.4 | | | | |
| 6 | 28+98 | Rt | 14 | 23.6 | | | | |
| 6 | 29+68 | Lt | 23 | 155.9 | | | 76 | |
| 7 | 30+26 | Rt | 12 | 41.3 | | | | |
| 7 | 30+27 | Lt | 10 | | 19.1 | | | |
| 7 | 30+84 | Rt | 10 | 24.7 | | | | |
| 7 | 31+12 | Lt | 10 | 40.0 | | | | |
| 7 | 31+98 | Lt | 17 | 51.4 | | | | |
| 7 | 34+65 | Lt | 11 | | 20.2 | | | |
| 8 | Tyler Ave. | Lt | 26 | | | 28.2 | | |
| 8 | 37+61 | Lt | 10 | 25.8 | | | | |
| 8 | 38+40 | Lt | 16 | 25.8 | | | | |
| 8 | 38+89 | Rt | 28 | 29.1 | | | | |
| 8 | 39+04 | Lt | 14 | | 23.6 | | | |
| 8 | Cunningham Ave. | Rt | 26 | | | 28.2 | | |
| 9 | 41+41 | Lt | 30 | | 41.3 | | | |
| 9 | 42+18 | Rt | 20 | | 109.8 | | 92 | |
| 9 | 43+24 | Lt | 24 | 208.7 | | | | See Type "S" Curb |
| 9 | McCoy Ave. | Lt | 26 | | | 28.2 | | |
| 9 | 47+61 | Lt | 21 | | 71.0 | | 36 | |
| 10 | 48+09 | Rt | 11 | 43.4 | | | | |
| 10 | 49+06 | Lt | 21 | | 71.0 | | | |
| 10 | 49+42 | Rt | 23 | | 33.6 | | | |
| 10 | 49+71 | Lt | 28 | | 76.4 | | | |
| 10 | 49+80 | Rt | 22 | | 44.7 | | | |
| 10 | 50+16 | Lt | 25 | | 55.2 | | | |
| 10 | 50+35 | Rt | 30 | | 41.3 | | | |
| 10 | 50+59 | Lt | 14 | | 37.6 | | | |
| 10 | 51+27 | Rt | 40 | | 52.4 | | | |
| 10 | 51+35 | Lt | 25 | | 60.8 | | | |
| | | Totals | | 1731.5 | 920.9 | 225.6 | 272 | |

## Drainage Pipes

| Sheet | Location From | To | 15" RCP w/Bedding L.F. | 18" RCP w/Bedding L.F. | 24" RCP w/Bedding L.F. | 30" RCP w/Bedding L.F. | 36" RCP w/Bedding L.F. | 48" RCP w/Bedding L.F. | 60" RCP w/Bedding L.F. | Pipe Collar Each | Conn. To Exist. D.I. Each | 8" Conc. Pavt Repair S.Y. | Crushed Stone Backfill C.Y. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Inlet 1 | Inlet 2 | | | 130 | | | | | | 1 | | | |
| 2 | Inlet 2 | Inlet 3 | | | 270 | | | | | | | | | |
| 2 | Inlet 3 | Inlet 4 | 46 | | | | | | | | | 13.2 | 9 | |
| 2 & 3 | Inlet 3 | Inlet 5 | | | 310 | | | | | | | | | |
| 3 | Inlet 5 | Inlet 6 | 46 | | | | | | | | | 17.9 | 12 | |
| 3 | Inlet 5 | Inlet 7 | 75 | | | | | | | | | | | Includes 67.5° Elbow |
| 3 | Inlet 5 | Inlet 8 | 305 | | | | | | | | | | | |
| 5 | Inlet 9 | Inlet 10 | 46 | | | | | | | | | 16.4 | 11 | |
| 5 | Inlet 10 | Inlet 11 | 28 | | | | | | | | | | | |
| 5 | Inlet 10 | Inlet 13 | | 280 | | | | | | | | | | |
| 5 | Inlet 12 | Inlet 13 | 46 | | | | | | | | | 17.9 | 12 | |
| 5 & 6 | Inlet 13 | Inlet 17 | | | 237 | | | | | | | | | |
| 6 | Inlet 14/15 | Inlet 16 | | 23 | | | | | | | | | | |
| 6 | Inlet 16 | Inlet 17 | | | 46 | | | | | | | 20.8 | 15 | |
| 6 | Inlet 17 | Inlet 19 | | | | 332 | | | | | | | | |
| 6 | Inlet 18 | Inlet 19 | | | | 48 | | | | | | 18.8 | 17 | |
| 6 & 7 | Inlet 18 | Inlet 20 | | | | 440 | | | | | | | | |
| 7 | Inlet 21 | Inlet 20 | 46 | | | | | | | | | 12.7 | 9 | |
| 7 | Inlet 20 | Inlet 21A | | | | | 241 | | | | | | | |
| 7 & 8 | Inlet 21A | Inlet 22 | | | | | 181 | | | | | | | |
| 8 | Inlet 22 | Inlet 23 | | | | | 22 | | | | 1 | | | Includes 90° Elbow |
| 8 | Inlet 24 | Inlet 23 | | | | | | 18 | | | 1 | | | |
| 8 | Inlet 25/26/27 | Inlet 28 | | | 36 | | | | | | | | | |
| 8 | Inlet 28 | Inlet 29 | | | 30 | | | | | | 1 | | | |
| 8 | Inlet 30 | Inlet 31 | 36 | | | | | | | | 1 | 15.8 | 11 | |
| 8 | Inlet 32 | Inlet 31 | | | 7 | | | | | | | | | |
| 8 | Inlet 33 | Inlet 32 | | 19 | | | | | | | | | | |
| 8 | Existing Pipe | Existing Pipe | | | | | | | 10 | 1 | | | | Connect 60" to 72" RCP |
| 8 | Inlet 35/36 | Inlet 37 | | 32 | | | | | | | | | | |
| 8 | Inlet 37 | Existing Pipe | | | 54 | | | | | | 1 | 22 | 10 | Connect to Exist. 72" RCP |
| 9 | Inlet 39 | Inlet 40 | 32 | | | | | | | | | | | |
| 9 | Inlet 40 | Inlet 41 | 14 | | | | | | | | 1 | | | |
| 9 | Inlet 42 | Inlet 43 | | 190 | | | | | | | | | | |
| 9 | Inlet 43/44 | Inlet 45 | 288 | | | | | | | | | | | |
| | | Totals | 1008 | 544 | 1120 | 818 | 444 | 18 | 10 | 1 | 7 | 155.5 | 112 | |

## EXCAVATION

| Sheet No | Unclassified Excavation C.Y. | Linear Grading (Sidewalk) Sta | Embankment C.Y. | Removal of Unsuitable Material C.Y.* | Backfill of Unsuitable Material C.Y.* | Remarks |
|---|---|---|---|---|---|---|
| | 7946 | | 533 | 500 | 500 | Project Total |
| 2 | | 2.3 | | | | |
| Totals | 7946 | 2.3 | 533 | 500 | 500 | |

FEDERAL AID PROJECT NO. TDG-3200(718) PROJECT 3

CITY OF JOPLIN PROJECT NO. 8459

CITY OF Joplin

CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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

REV DATE: 9/2012
REVISION: CREATED DWG

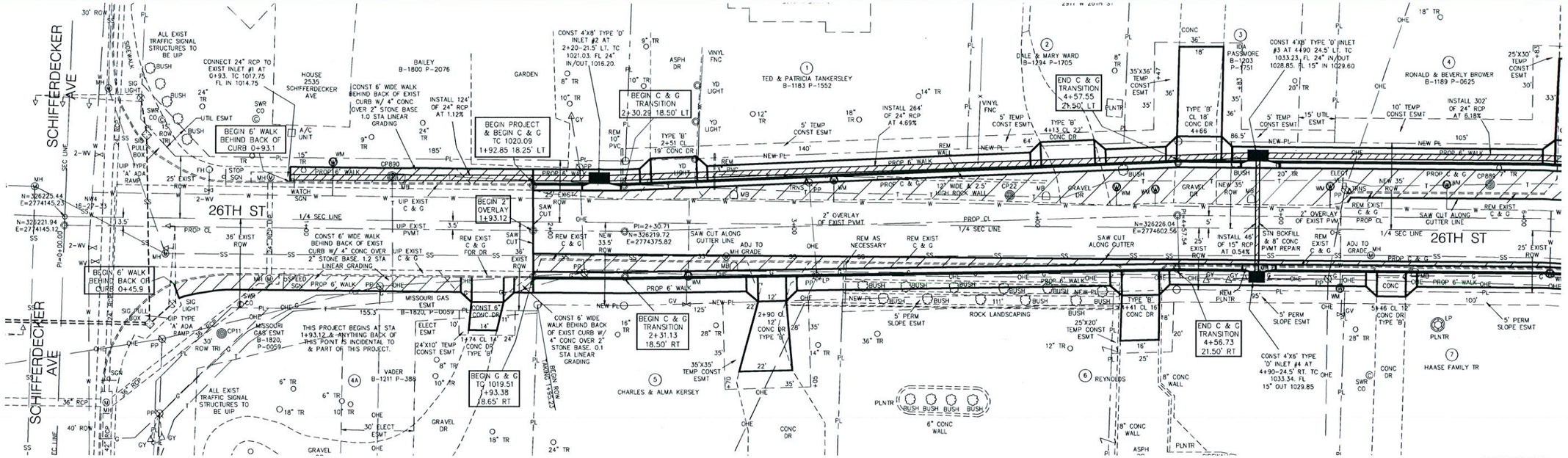
SVYD BY: ANDERSON
PNT FILE: W 26TH ST.TXT
SVY DATE: 5/2010
ENGINEER: HERTZBERG

ACAD DWG FILE & PATH NAME: 26SCHIFFML\26SCHIFFMLQUANTITIES
SCALES: N/A N/A

DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 9/2012

PROJECT
QUANTITIES - WIDENING OF 26TH ST
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET 1A of 27

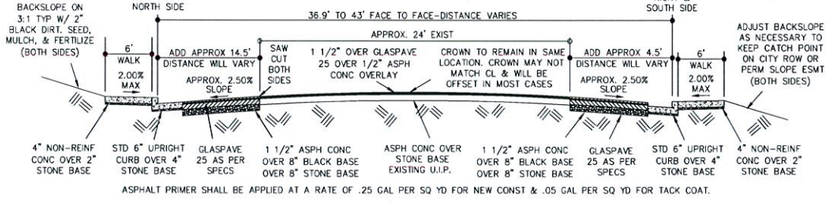



SURVEY CONTROL POINTS

| # | EASTING | NORTHING | ELEV | DESC |
|---|---|---|---|---|
| 11, | 2774210.25, | 326178.37, | 1016.12, | CP11 |
| 22, | 2774533.62, | 326234.26, | 1028.16, | CP22 |
| 889, | 2774731.08, | 326238.39, | 1040.12, | CP889 |
| 890, | 2774280.01, | 326241.95, | 1018.82, | CP890 |

## TYPICAL SECTION–1+93.1 TO 4+57.5

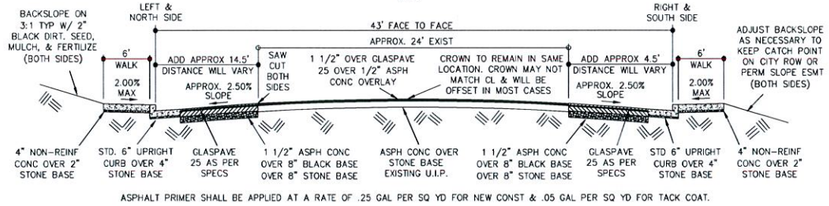
N.T.S.




ASPHALT PRIMER SHALL BE APPLIED AT A RATE OF .25 GAL PER SQ YD FOR NEW CONST & .05 GAL PER SQ YD FOR TACK COAT.

## TYPICAL SECTION–4+57.5 TO 49+40.9

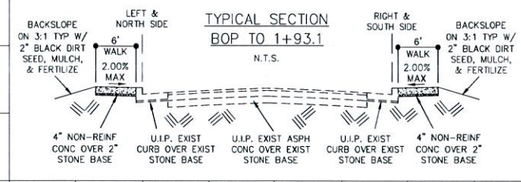
N.T.S.




ASPHALT PRIMER SHALL BE APPLIED AT A RATE OF .25 GAL PER SQ YD FOR NEW CONST & .05 GAL PER SQ YD FOR TACK COAT.

## TYPICAL SECTION BOP TO 1+93.1

N.T.S.




## GENERAL NOTES

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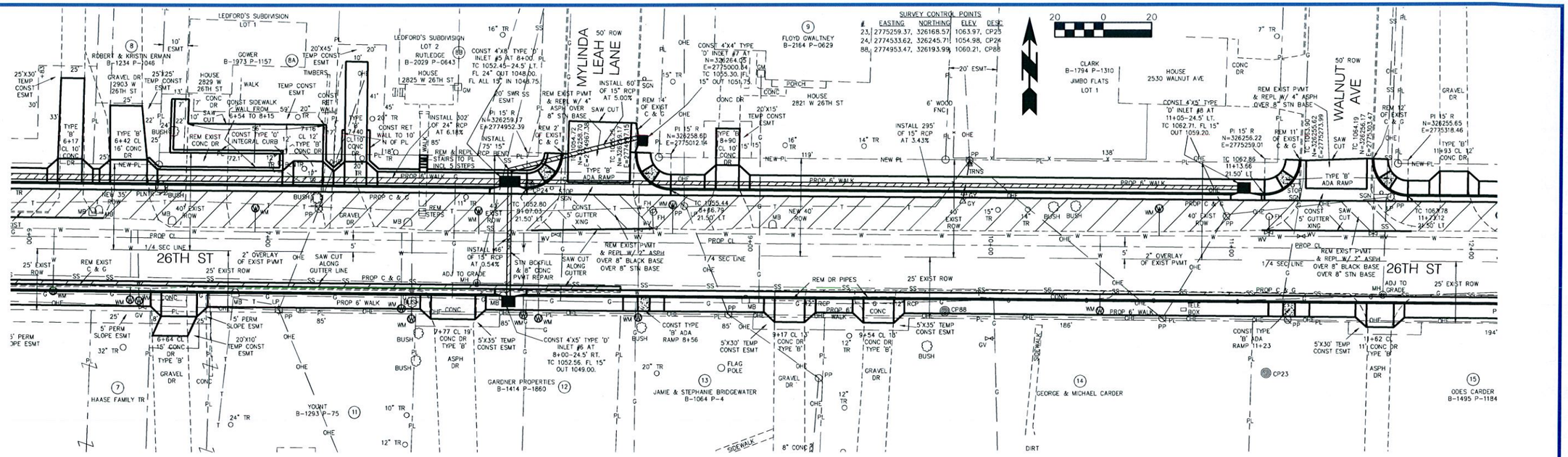


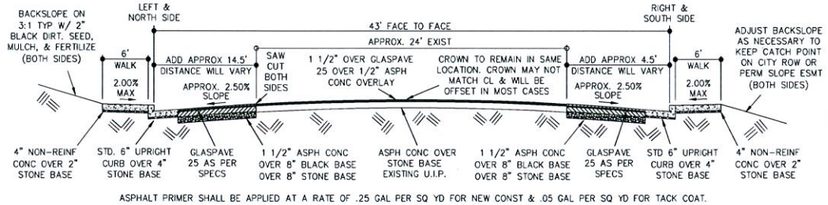

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP! CALL BEFORE YOU DIG

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: | ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP01001 | DWN BY: | STAFF |
| | | PH NO: 417-624-0820 EXT 530 | 9/6/2012 | REVISIED ADA TYPICAL | PNT FILE: | W 26TH ST.TXT | | CKD BY: | BRADLEY |
| | | FAX NO: 417-625-4738 | 9/10/2012 | ADDED MODOT & FHWA NOTES | SVY DATE: | 05/2010 | SCALES: HORZ: 1" = 20' VERT: 1" = 5' | APD BY: | SCHALLER |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: | HERTZBERG | | DATE: | 06/2011 |

PROJECT
26TH ST WIDENING - PLAN & PROFILE
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
2 of 27




TYPICAL SECTION
4+57.5 TO 49+40.9
N.T.S.

## GENERAL NOTES

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CITY OF Joplin

CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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

| REV DATE: | REVISION: |
|---|---|
| 9/2012 | CONST WALK AT 10+20 |
| 9/10/2012 | ADDED MODOT & FHWA NOTES |

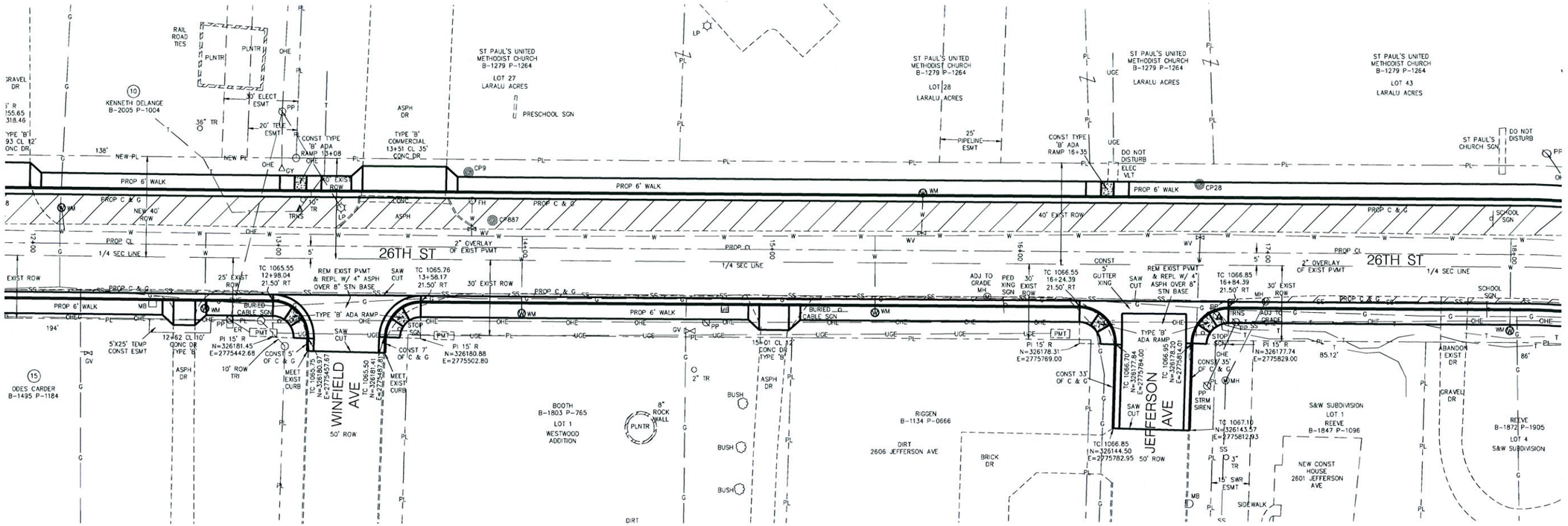
SVYD BY: ANDERSON
PNT FILE: W 26TH ST.TXT
SVY DATE: 05/2010
ENGINEER: HERTZBERG

ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP02001
SCALES: HORZ: 1" = 20' VERT: 1" = 5'

DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

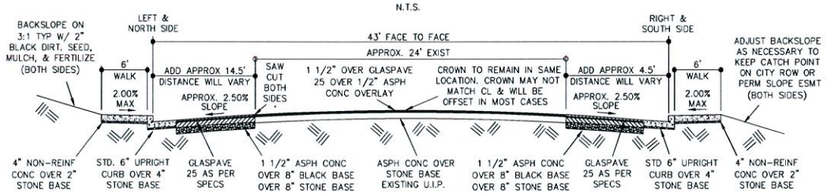
PROJECT
26TH ST WIDENING - PLAN & PROFILE
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
3 of 27




## TYPICAL SECTION–4+57.5 TO 49+40.9

N.T.S.




ASPHALT PRIMER SHALL BE APPLIED AT A RATE OF .25 GAL PER SQ YD FOR NEW CONST & .05 GAL PER SQ YD FOR TACK COAT.

### SURVEY CONTROL POINTS

| # | EASTING | NORTHING | ELEV | DESC |
|---|---|---|---|---|
| 9, | 2775521.86, | 326247.07, | 1065.88, | CP9 |
| 28, | 2775817.66, | 326241.55, | 1066.22, | CP28 |
| 86, | 2775982.57, | 326226.65, | 1066.13, | CP86 |
| 887, | 2775531.62, | 326227.91, | 1065.76, | CP887 |

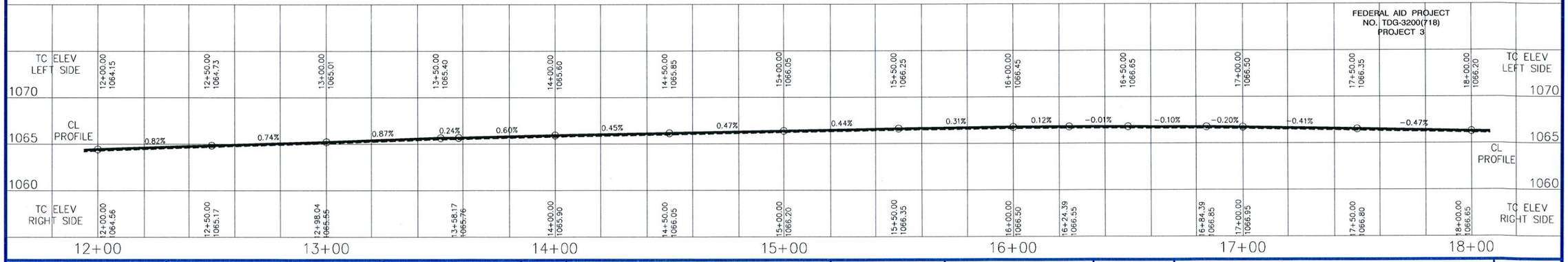
MISSOURI ONE CALL SYSTEM, INC. 1-800-DIG-RITE STOP! CALL BEFORE YOU DIG

20 0 20

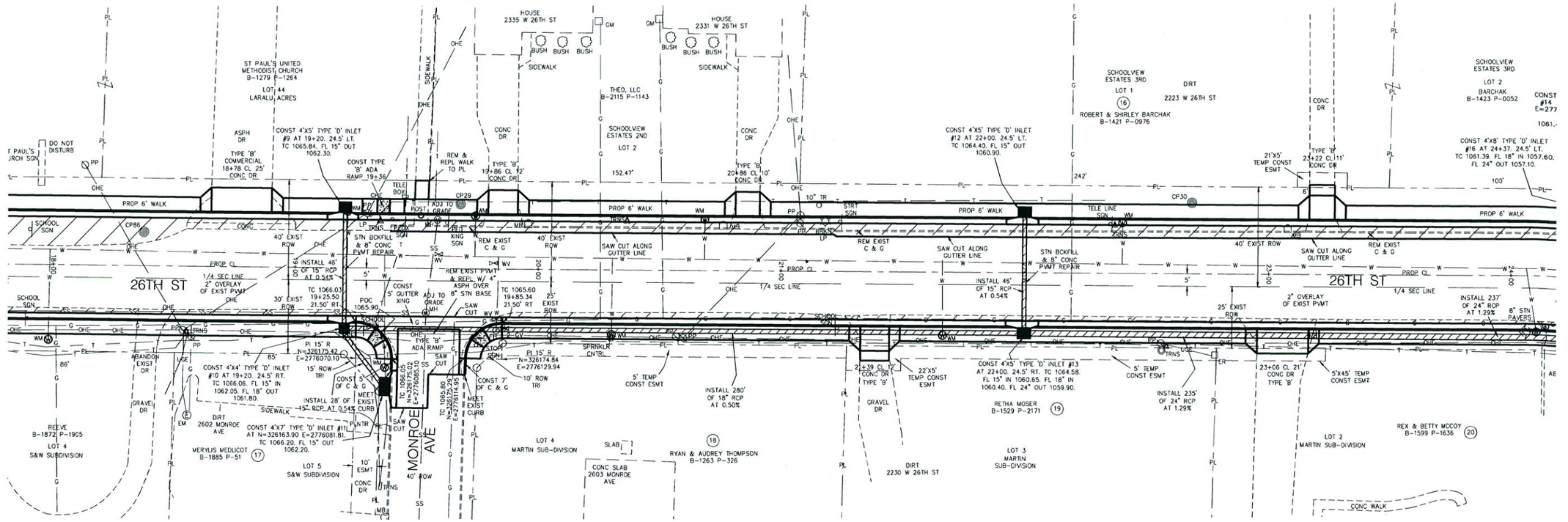
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FEDERAL AID PROJECT NO. TDG-3200(718) PROJECT 3

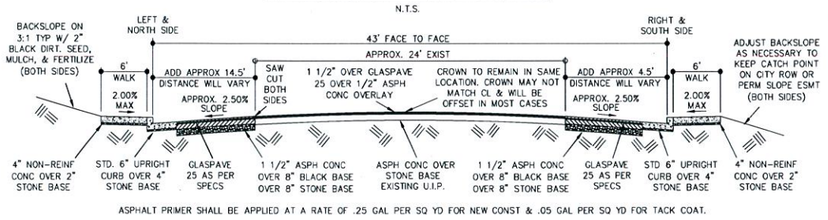



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP03001 | DWN BY: STAFF | PROJECT: 26TH ST WIDENING - PLAN & PROFILE SCHIFFERDECKER TO MAIDEN LANE |
| | | PH NO: 417-624-0820 EXT 530 | 9/2012 | RELOCATE SIGN BY OTHERS AT 17+95 | PNT FILE: W 26TH ST.TXT | | CKD BY: BRADLEY | |
| | | FAX NO: 417-625-4738 | 9/10/2012 | ADDED MODOT & FHWA NOTES | SVY DATE: 05/2010 | SCALES: HORZ: 1" = 20' VERT: 1" = 5' | APD BY: SCHALLER | PLAN NO: 8459 |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: HERTZBERG | | DATE: 06/2011 | SHEET 4 of 27 |




## TYPICAL SECTION–4+57.5 TO 49+40.9

N.T.S.

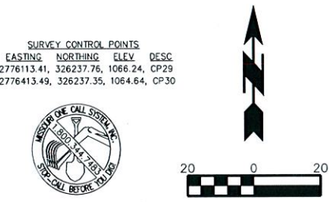



ASPHALT PRIMER SHALL BE APPLIED AT A RATE OF .25 GAL PER SQ YD FOR NEW CONST & .05 GAL PER SQ YD FOR TACK COAT.

FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

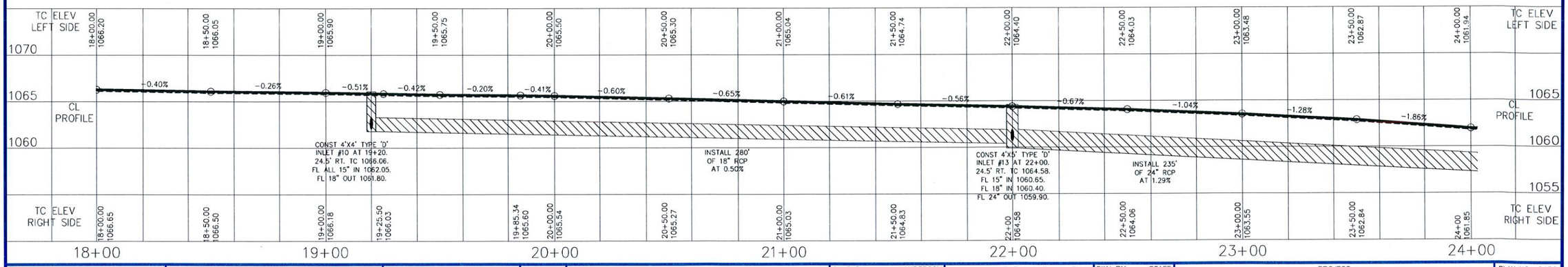
SURVEY CONTROL POINTS

| # | EASTING | NORTHING | ELEV | DESC |
|---|---|---|---|---|
| 29 | 2776113.41 | 326237.76 | 1066.24 | CP29 |
| 30 | 2776413.49 | 326237.35 | 1064.64 | CP30 |

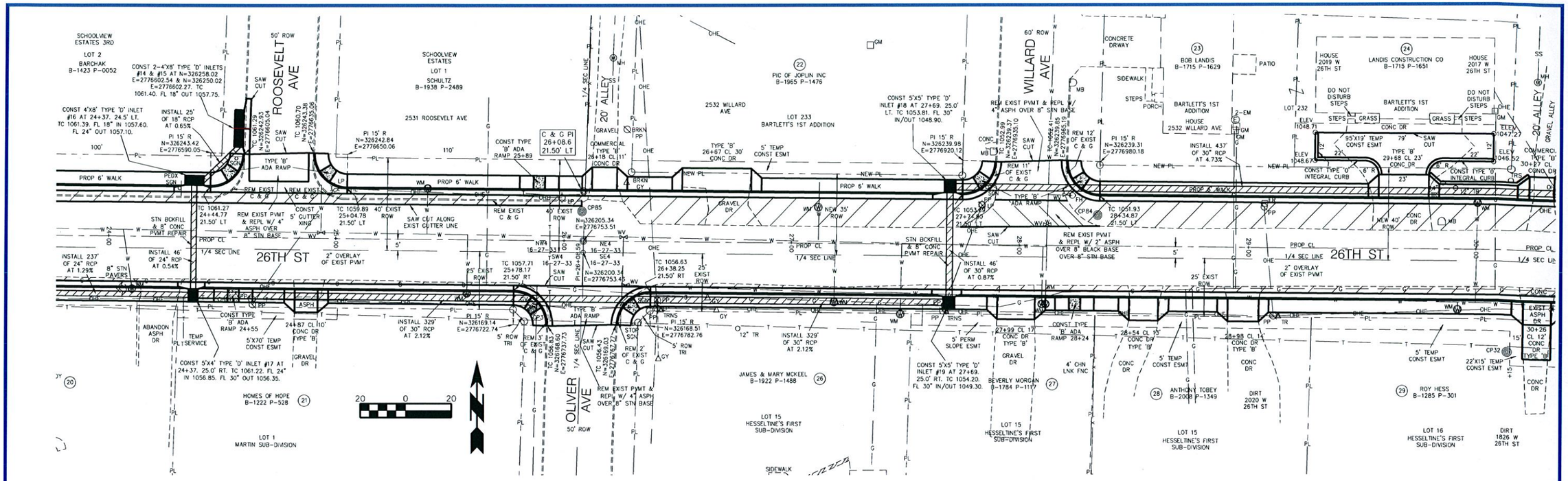


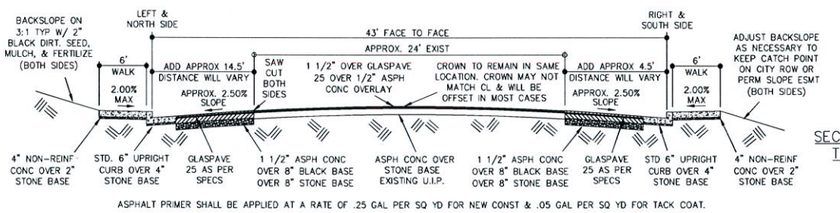

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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP04001 | DWN BY: STAFF | PROJECT: 26TH ST WIDENING - PLAN & PROFILE SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459 |
| | | PH NO: 417-624-0820 EXT 530 | 9/10/2012 | ADDED MODOT & FHWA NOTES | PNT FILE: W 26TH ST.TXT | | CKD BY: BRADLEY | | SHEET 5 of 27 |
| | | FAX NO: 417-625-4738 | | | SVY DATE: 05/2010 | SCALES: HORZ: 1" = 20' VERT: 1" = 5' | APD BY: SCHALLER | | |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: HERTZBERG | | DATE: 06/2011 | | |



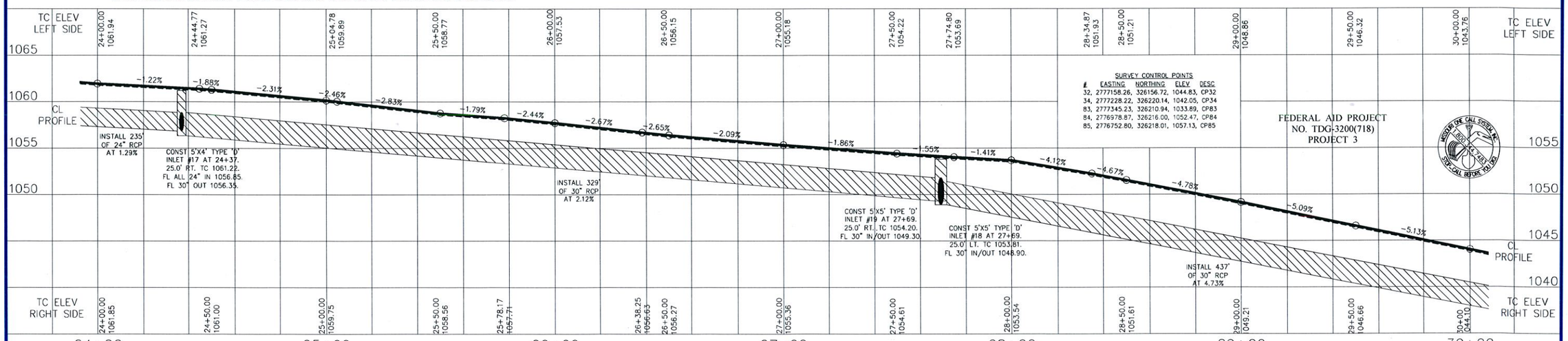




TYPICAL SECTION-4+57.54 TO 49+40.88

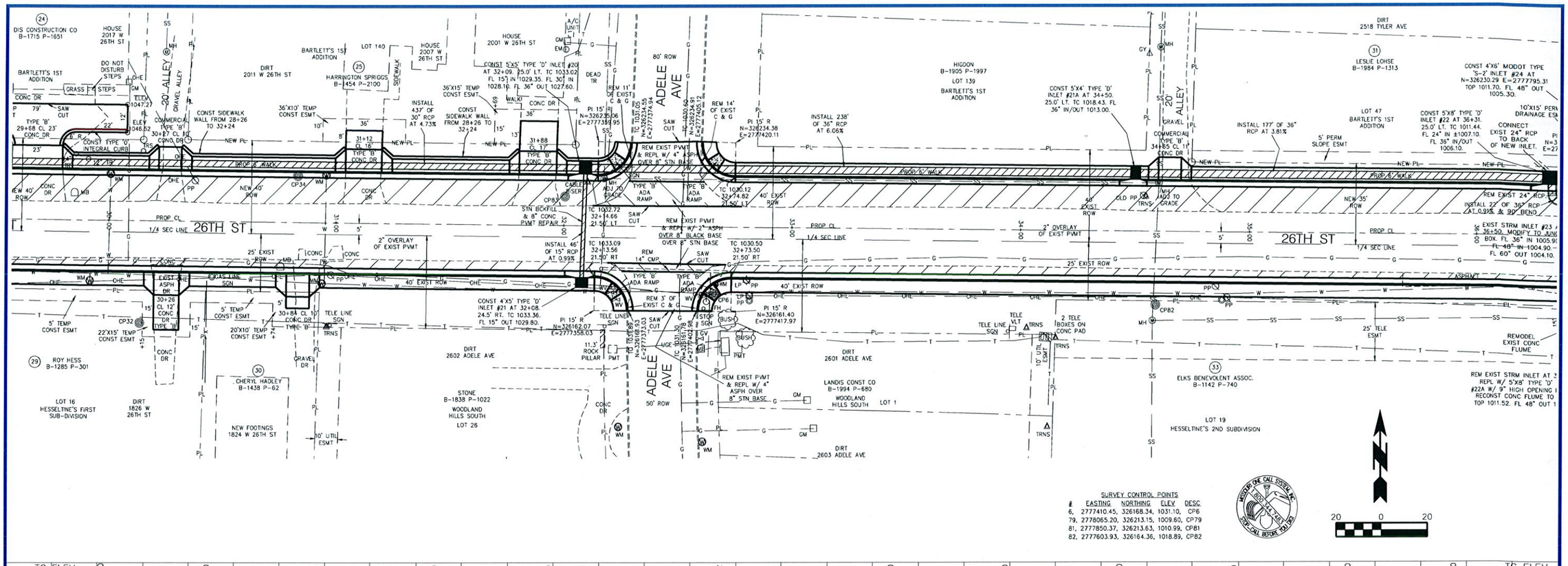
N.T.S.

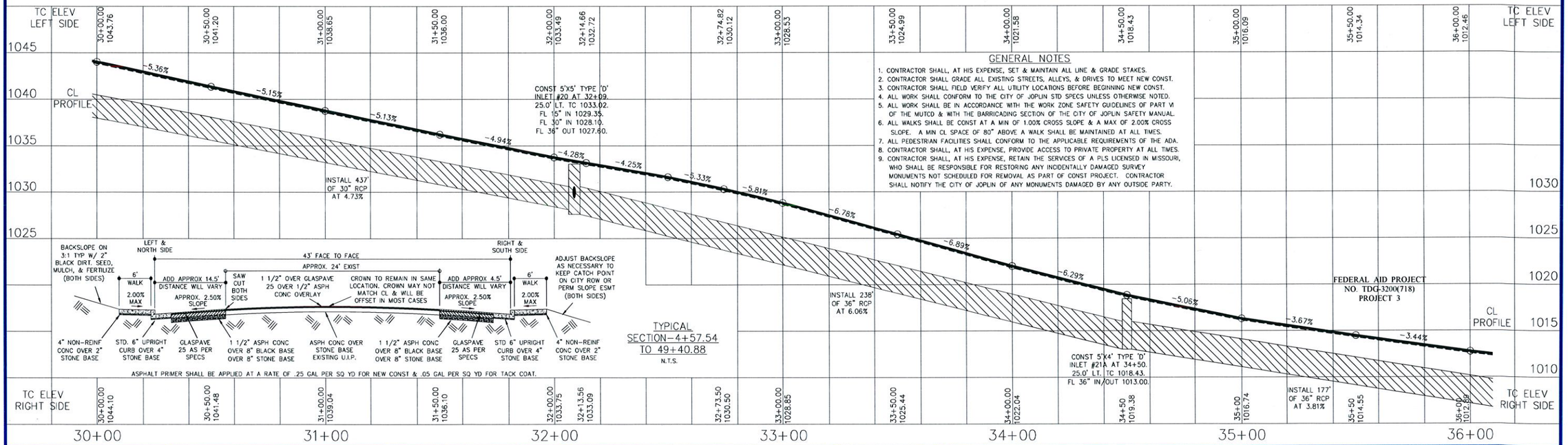
## GENERAL NOTES

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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4. ALL WORK SHALL CONFORM TO THE CITY OF JOPLIN STD SPECS 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 WALKS SHALL BE CONST AT A MIN OF 1.00% CROSS SLOPE & A MAX OF 2.00% CROSS SLOPE. A MIN CL SPACE OF 80" ABOVE A WALK SHALL BE MAINTAINED AT ALL TIMES.
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8. CONTRACTOR SHALL, AT HIS EXPENSE, PROVIDE ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
9. 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 CONST PROJECT. CONTRACTOR SHALL NOTIFY THE CITY OF JOPLIN OF ANY MONUMENTS DAMAGED BY ANY OUTSIDE PARTY.




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP05001 | DWN BY: STAFF | PROJECT: 26TH ST WIDENING - PLAN & PROFILE SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459 |
| | | PH NO: 417-624-0820 EXT 530 | 9/10/2012 | ADDED MODOT & FHWA NOTES | PNT FILE: W 26TH ST.TXT | | CKD BY: BRADLEY | | SHEET 6 of 27 |
| | | FAX NO: 417-625-4738 | | | SVY DATE: 05/2010 | SCALES: HORZ: 1" = 20' VERT: 1" = 5' | APD BY: SCHALLER | | |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: HERTZBERG | | DATE: 06/2011 | | |







TYPICAL SECTION–4+57.54 TO 49+40.88
N.T.S.

## GENERAL NOTES

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CITY OF Joplin

CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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

| REV DATE: | REVISION: |
|---|---|
| 9/10/2012 | ADDED MODOT & FHWA NOTES |

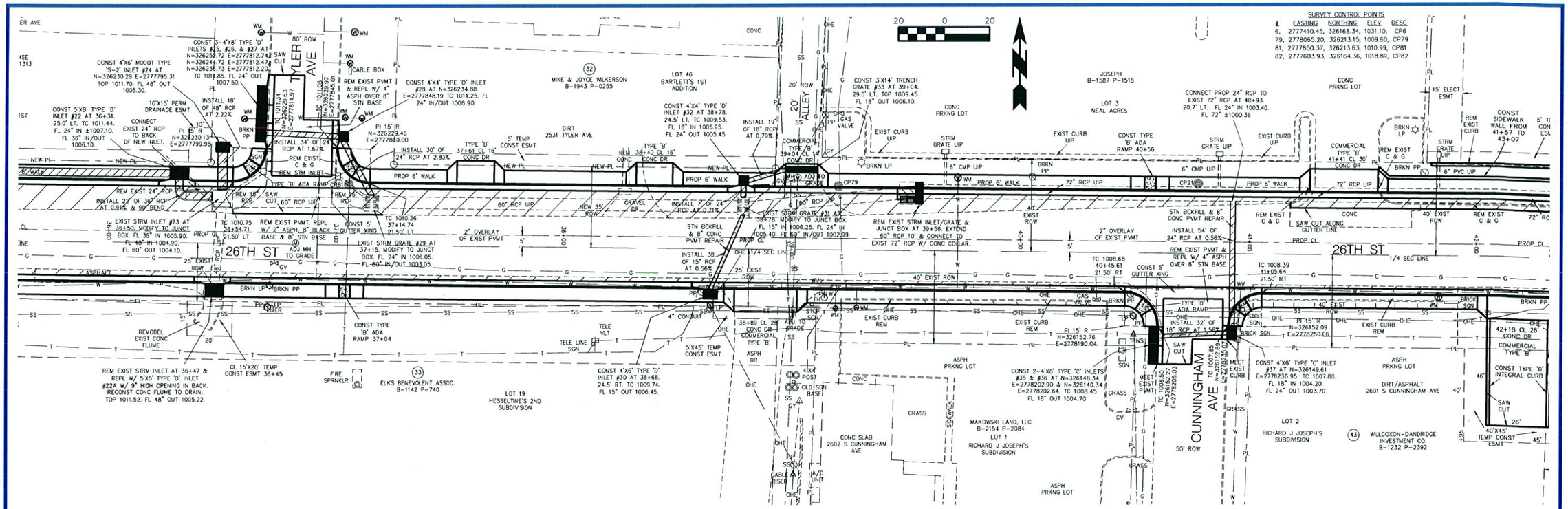
SVYD BY: ANDERSON
PNT FILE: W 26TH ST.TXT
SVY DATE: 05/2010
ENGINEER: HERTZBERG

ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP06001
SCALES: HORZ: 1" = 20' VERT: 1" = 5'

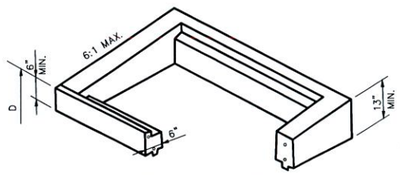
DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

PROJECT
26TH ST WIDENING - PLAN & PROFILE
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET 7 of 27



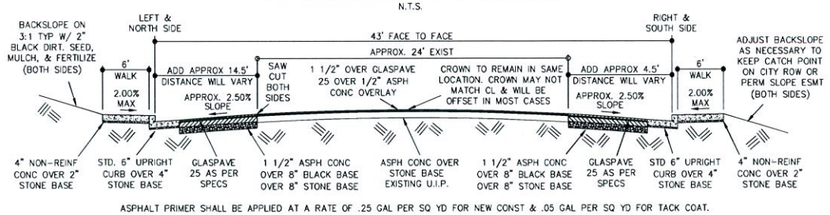

NOTES:
1. BOTTOM OF INLET SHALL BE 9" THICK W/ #4 REBAR SPACED 10" OC BOTH WAYS.
2. TOP & SIDES OF INLET SHALL BE 6" THICK W/ HORZ #4 BARS AT 6" CTRS & VERT #4 BARS AT 10" CTRS.
3. SEE TYPE 'D' CURB INLET DETAIL IN THE CITY OF JOPLIN SPECS FOR MORE INFO.




TYPE S-2 INLET

## TYPICAL SECTION-4+57.5 TO 49+40.9

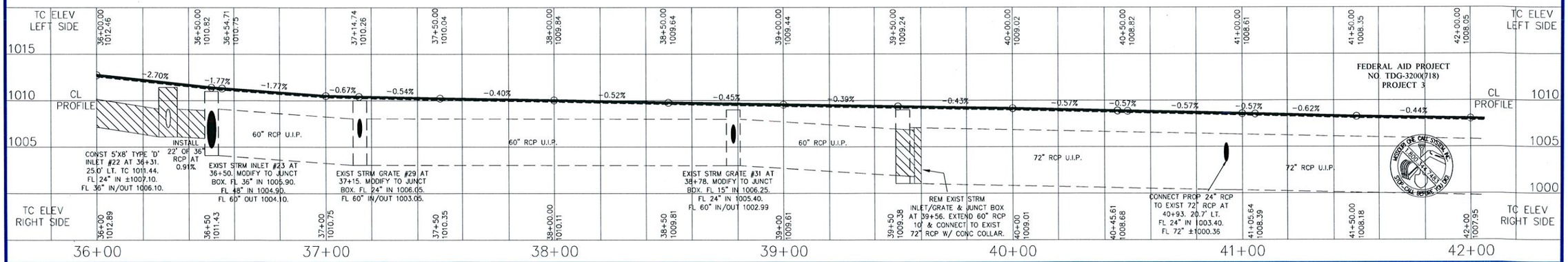
N.T.S.




ASPHALT PRIMER SHALL BE APPLIED AT A RATE OF .25 GAL PER SQ YD FOR NEW CONST & .05 GAL PER SQ YD FOR TACK COAT.

## GENERAL NOTES

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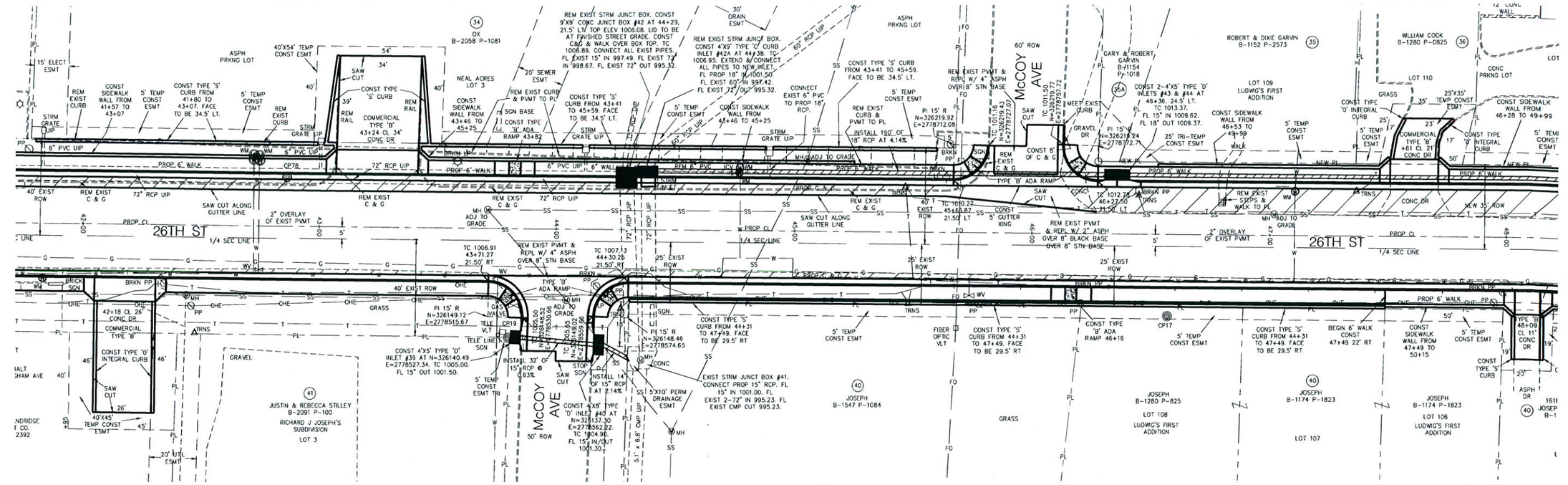


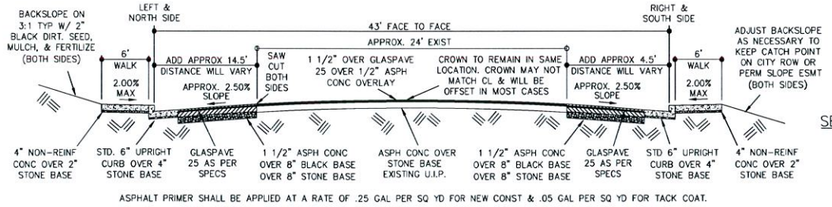

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|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP07001 | DWN BY: STAFF |
| | | PH NO: 417-624-0820 EXT 530 | 9/2012 | ADDED ESMT AT 42+00 | PNT FILE: W 26TH ST.TXT | | CKD BY: BRADLEY |
| | | FAX NO: 417-625-4738 | 9/10/2012 | ADDED MODOT & FHWA NOTES | SVY DATE: 05/2010 | SCALES: HORZ: 1" = 20' VERT: 1" = 5' | APD BY: SCHALLER |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: HERTZBERG | | DATE: 06/2011 |

PROJECT: 26TH ST WIDENING - PLAN & PROFILE SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459

SHEET 8 of 27




TYPICAL SECTION–4+57.54 TO 49+40.88

N.T.S.

SURVEY CONTROL POINTS

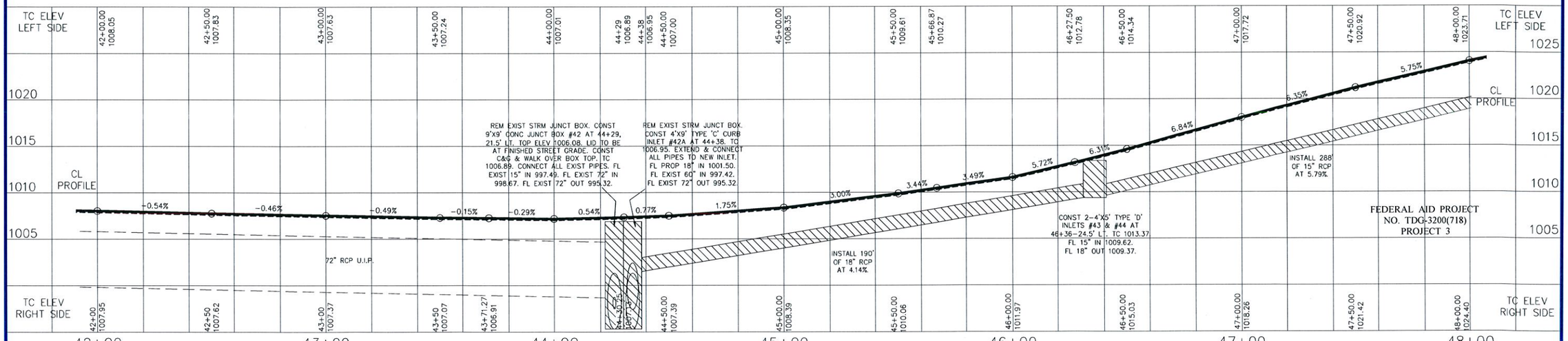
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|---|---|---|---|---|
| 19, | 2778524.21, | 326140.27, | 1005.15, | CP19 |
| 21, | 2778222.31, | 326214.02, | 1009.52, | CP21 |
| 78, | 2778430.95, | 326206.98, | 1008.31, | CP78 |

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

20 0 20

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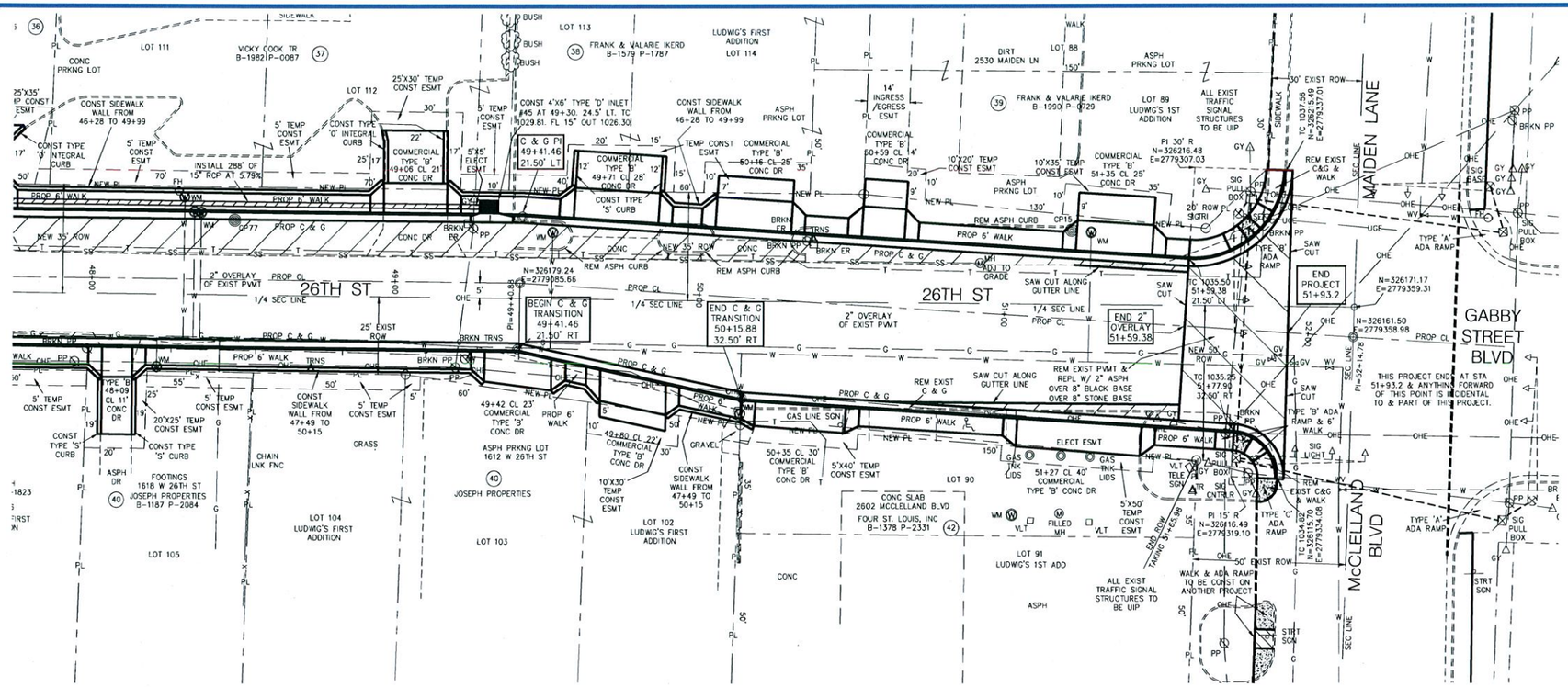

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: | ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP08001 | DWN BY: | STAFF |
| | | PH NO: 417-624-0820 EXT 530 | 9/2012 | ADDED ESMTS AT TYPE 'S' CURB LOCATIONS | PNT FILE: | W 26TH ST.TXT | | CKD BY: | BRADLEY |
| | | FAX NO: 417-625-4738 | 9/10/2012 | ADDED MODOT & FHWA NOTES | SVY DATE: | 05/2010 | SCALES: HORZ: 1" = 20' VERT: 1" = 5' | APD BY: | SCHALLER |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: | HERTZBERG | | DATE: | 06/2011 |

PROJECT

# 26TH ST WIDENING - PLAN & PROFILE SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459

SHEET 9 of 27




SURVEY CONTROL POINTS

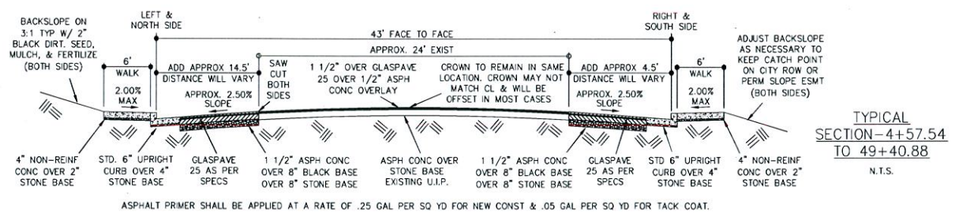
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| 17, | 2778801.43, | 326148.57, | 1015.45, | CP17 |
| 77, | 2778992.08, | 326193.50, | 1027.66, | CP77 |

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

20 0 20

## GENERAL NOTES

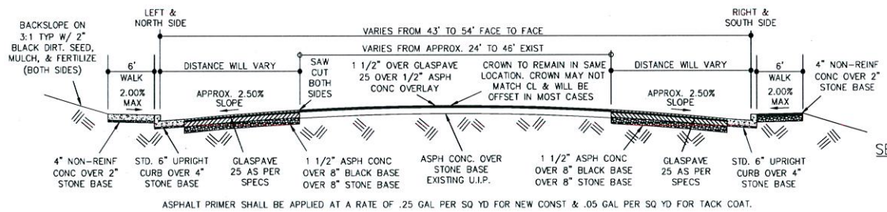
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TYPICAL SECTION-4+57.54 TO 49+40.88

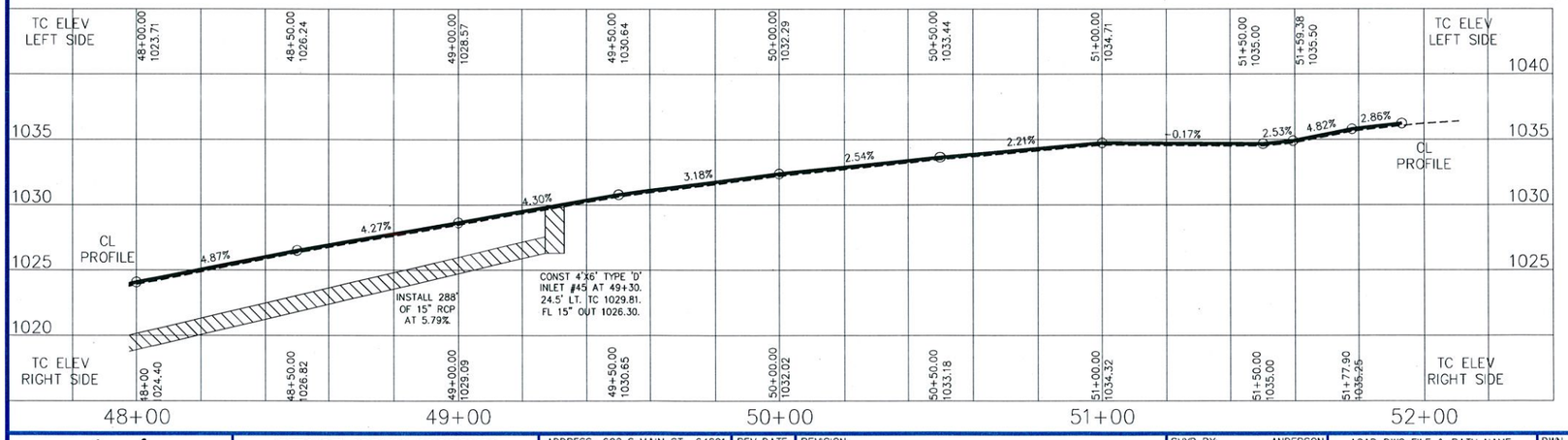
N.T.S.



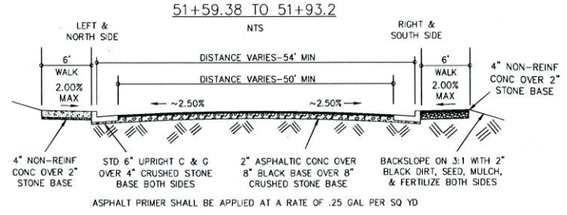

ASPHALT PRIMER SHALL BE APPLIED AT A RATE OF .25 GAL PER SQ YD FOR NEW CONST & .05 GAL PER SQ YD FOR TACK COAT.

TYPICAL SECTION-49+40.88 TO 51+59.38

N.T.S.



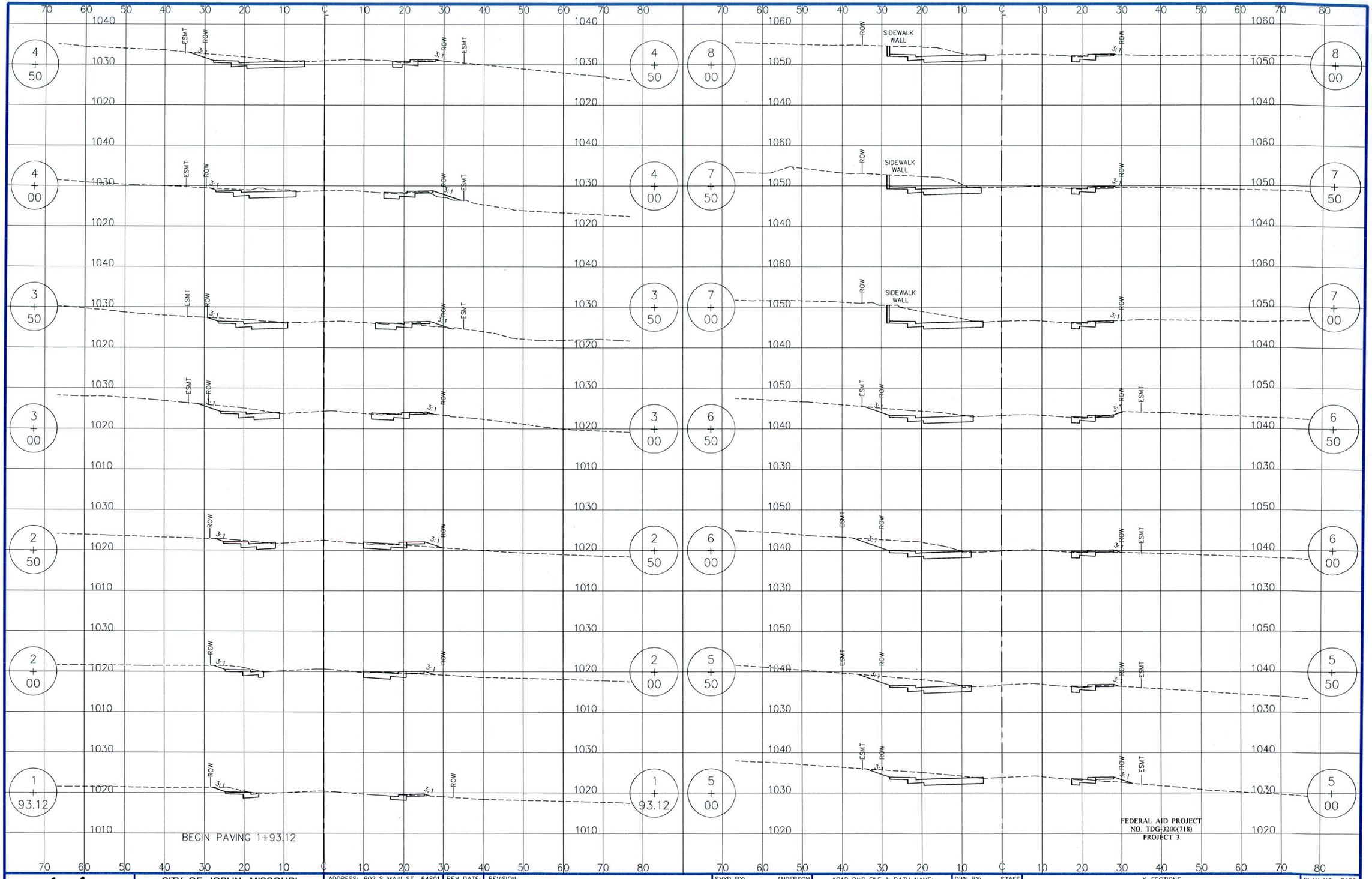

TYPICAL SECTION
51+59.38 TO 51+93.2
NTS




ASPHALT PRIMER SHALL BE APPLIED AT A RATE OF .25 GAL PER SQ YD

FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RCP09001 | DWN BY: STAFF | PROJECT: 26TH ST WIDENING - PLAN & PROFILE SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459 |
| | | PH NO: 417-624-0820 EXT 530 | 9/2012 | ADDED ESMTS AT TYPE 'S' CURB LOCATIONS | PNT FILE: W 26TH ST.TXT | | CKD BY: BRADLEY | | SHEET 10 of 27 |
| | | FAX NO: 417-625-4738 | 9/10/2012 | ADDED ADDED MODOT & FHWA NOTES | SVY DATE: 05/2010 | SCALES: HORZ: 1" = 20' VERT: 1" = 5' | APD BY: SCHALLER | | |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: HERTZBERG | | DATE: 06/2011 | | |




CITY OF Joplin

CITY OF JOPLIN, MISSOURI
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FAX NO: 417-625-4738
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REV DATE: | REVISION:

SVYD BY: ANDERSON
PNT FILE: W 26TH ST.TXT
SVY DATE: 05/2010
ENGINEER: HERTZBERG

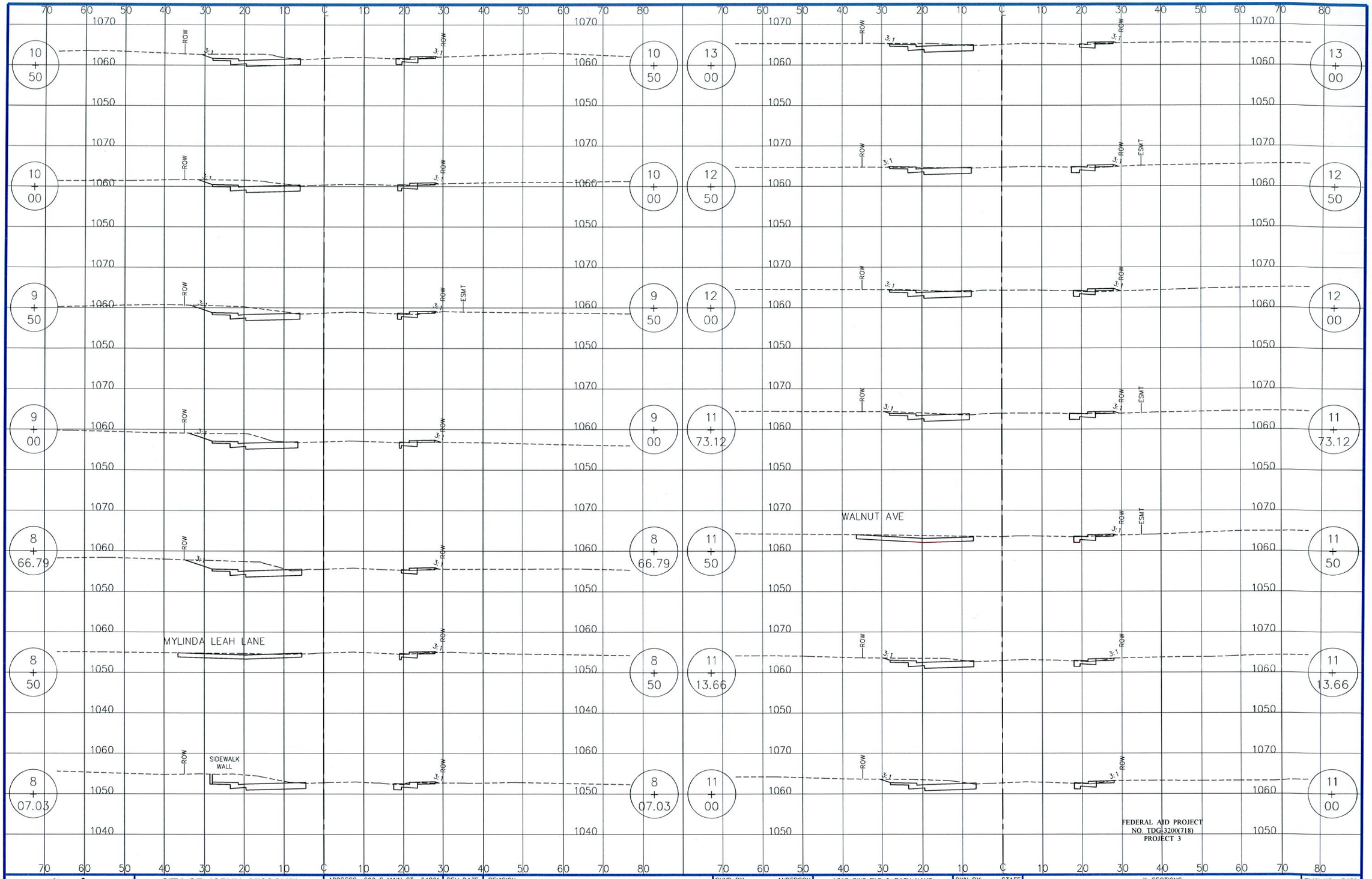
ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RC001001
SCALES: HORZ: 1" = 10'
VERT: 1" = 10'

DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

X-SECTIONS

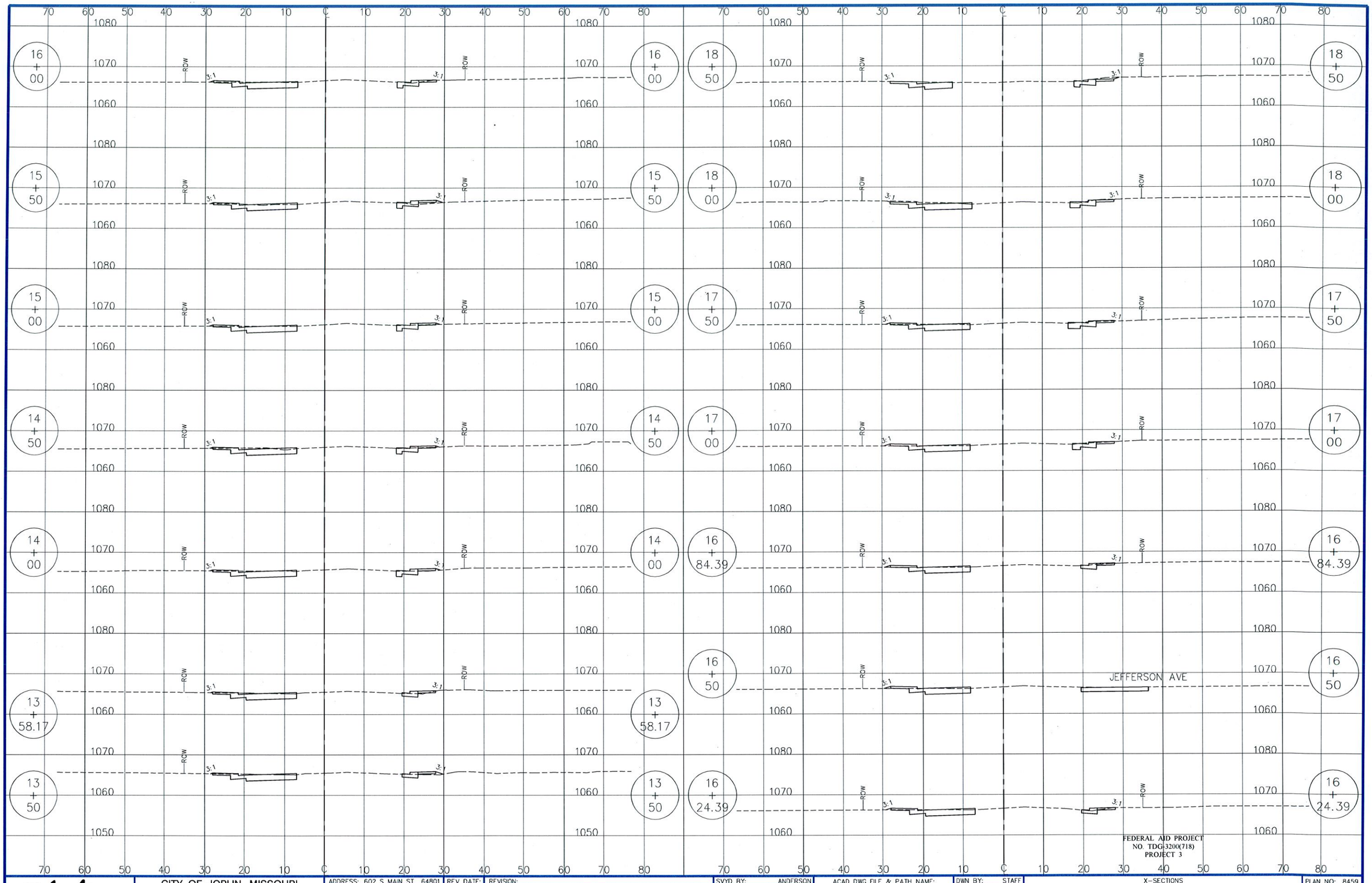
# 26TH ST WIDENING - XSECTIONS
# SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
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FEDERAL AID PROJECT
NO. TDGI-3200(718)
PROJECT 3

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>DEPARTMENT OF PUBLIC WORKS<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: DHERTZBE@JOPLINMO.ORG | REV DATE: | REVISION: | SVYD BY: ANDERSON<br>PNT FILE: W 26TH ST.TXT<br>SVY DATE: 05/2010<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME:<br>STREET\26THSCHIFFML\RC002001<br>SCALES: HORZ: 1" = 10'<br>VERT: 1" = 10' | DWN BY: STAFF<br>CKD BY: BRADLEY<br>APD BY: SCHALLER<br>DATE: 06/2011 | X-SECTIONS<br>26TH ST WIDENING - XSECTIONS<br>SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459<br>SHEET<br>12 of 27 |




FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

CITY OF Joplin

CITY OF JOPLIN, MISSOURI
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ADDRESS: 602 S MAIN ST 64801
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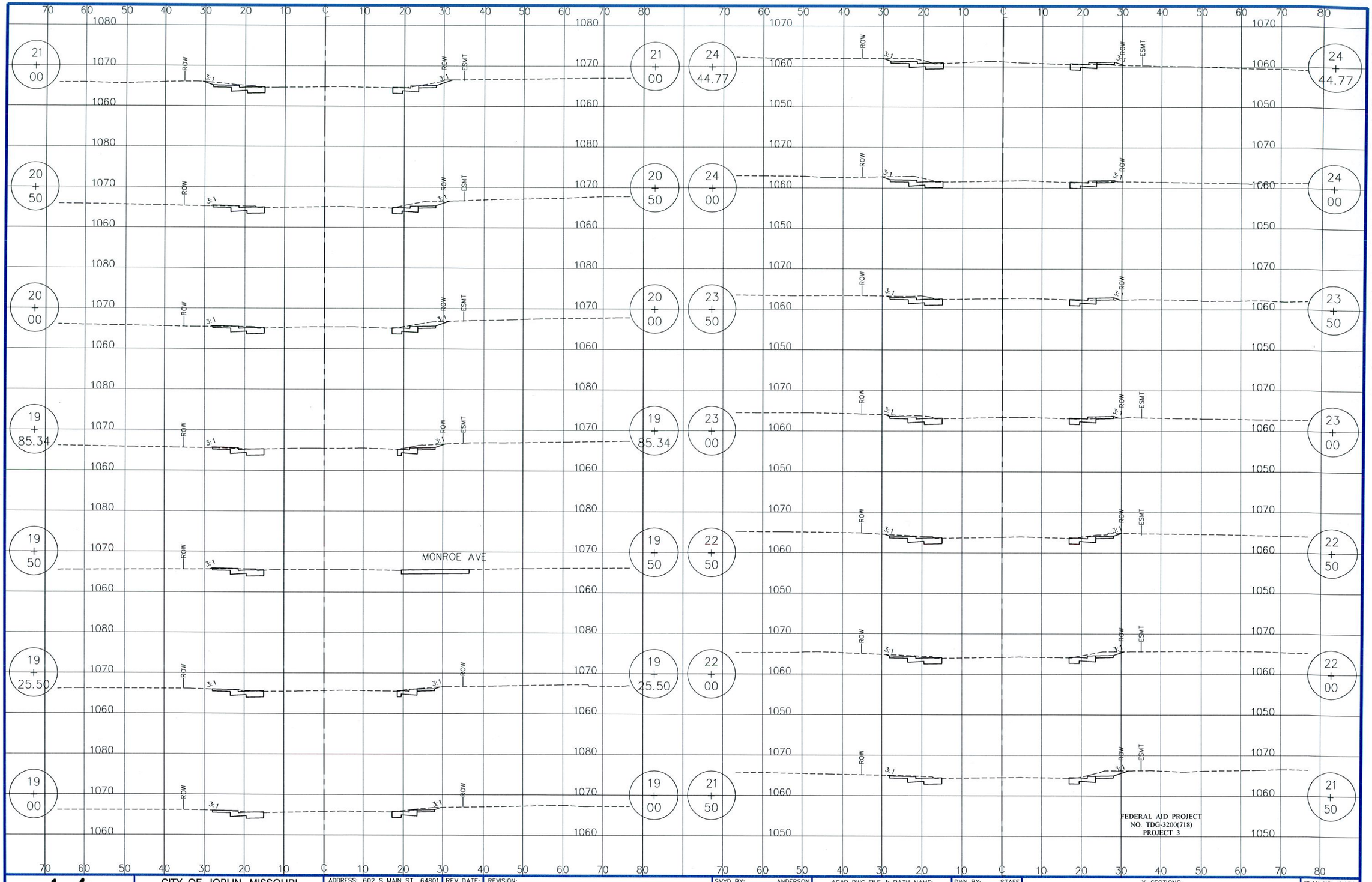
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PNT FILE: W 26TH ST.TXT
SVY DATE: 05/2010
ENGINEER: HERTZBERG

ACAD DWG FILE & PATH NAME:
STREET\26THSCHIFFML\RC003001
SCALES: HORZ: 1" = 10'
VERT: 1" = 10'

DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

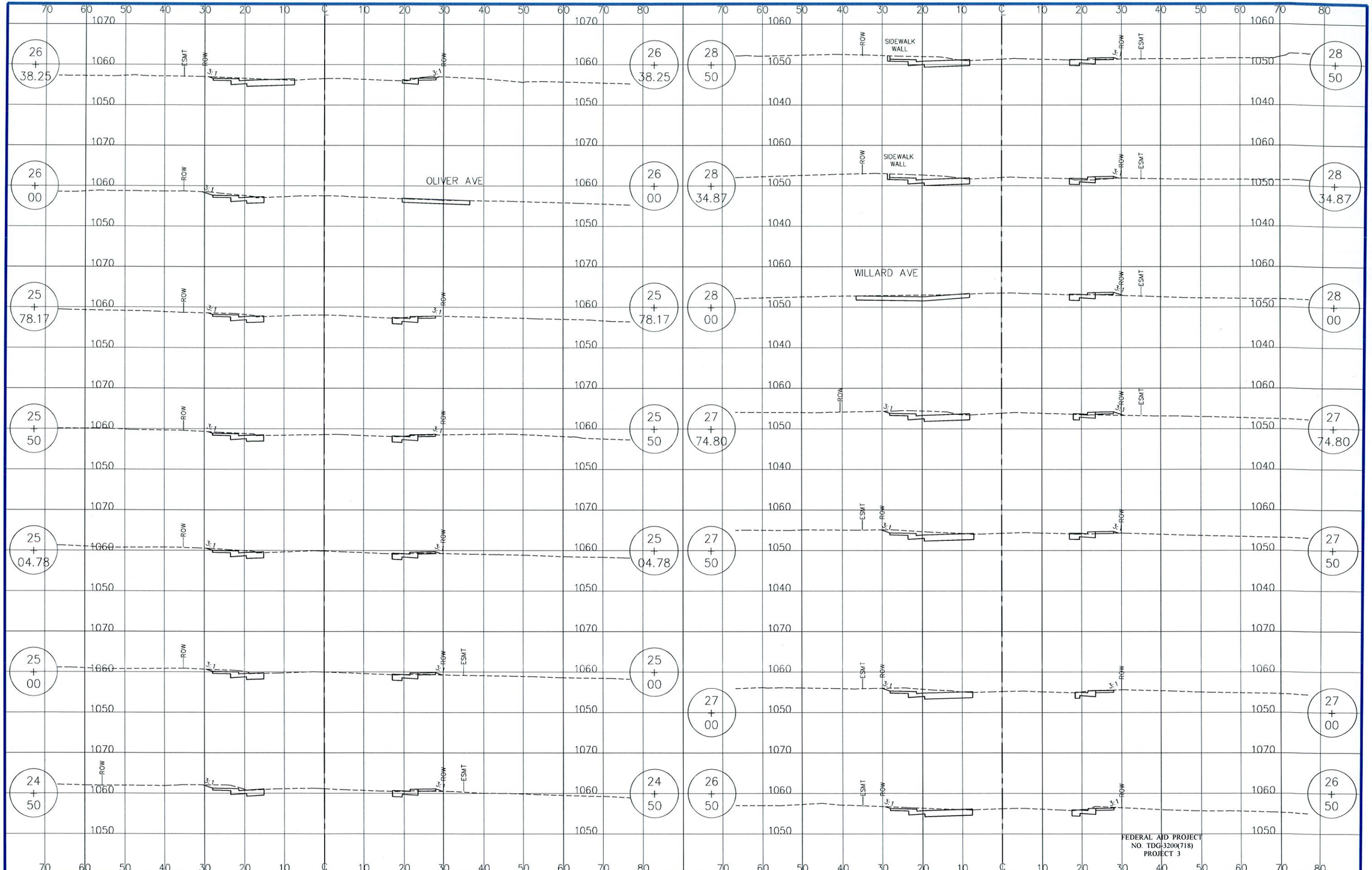
X-SECTIONS
26TH ST WIDENING - XSECTIONS
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
13 of 27




FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>DEPARTMENT OF PUBLIC WORKS<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: DHERTZBE@JOPLINMO.ORG | REV DATE: | REVISION: | SVYD BY: ANDERSON<br>PNT FILE: W 26TH ST.TXT<br>SVY DATE: 05/2010<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME:<br>STREET\26THSCHIFFML\RC004001<br>SCALES: HORZ: 1" = 10'<br>VERT: 1" = 10' | DWN BY: STAFF<br>CKD BY: BRADLEY<br>APD BY: SCHALLER<br>DATE: 06/2011 | X-SECTIONS<br>26TH ST WIDENING - XSECTIONS<br>SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459<br>SHEET<br>14 of 27 |




FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

CITY OF Joplin

CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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

REV DATE: | REVISION:

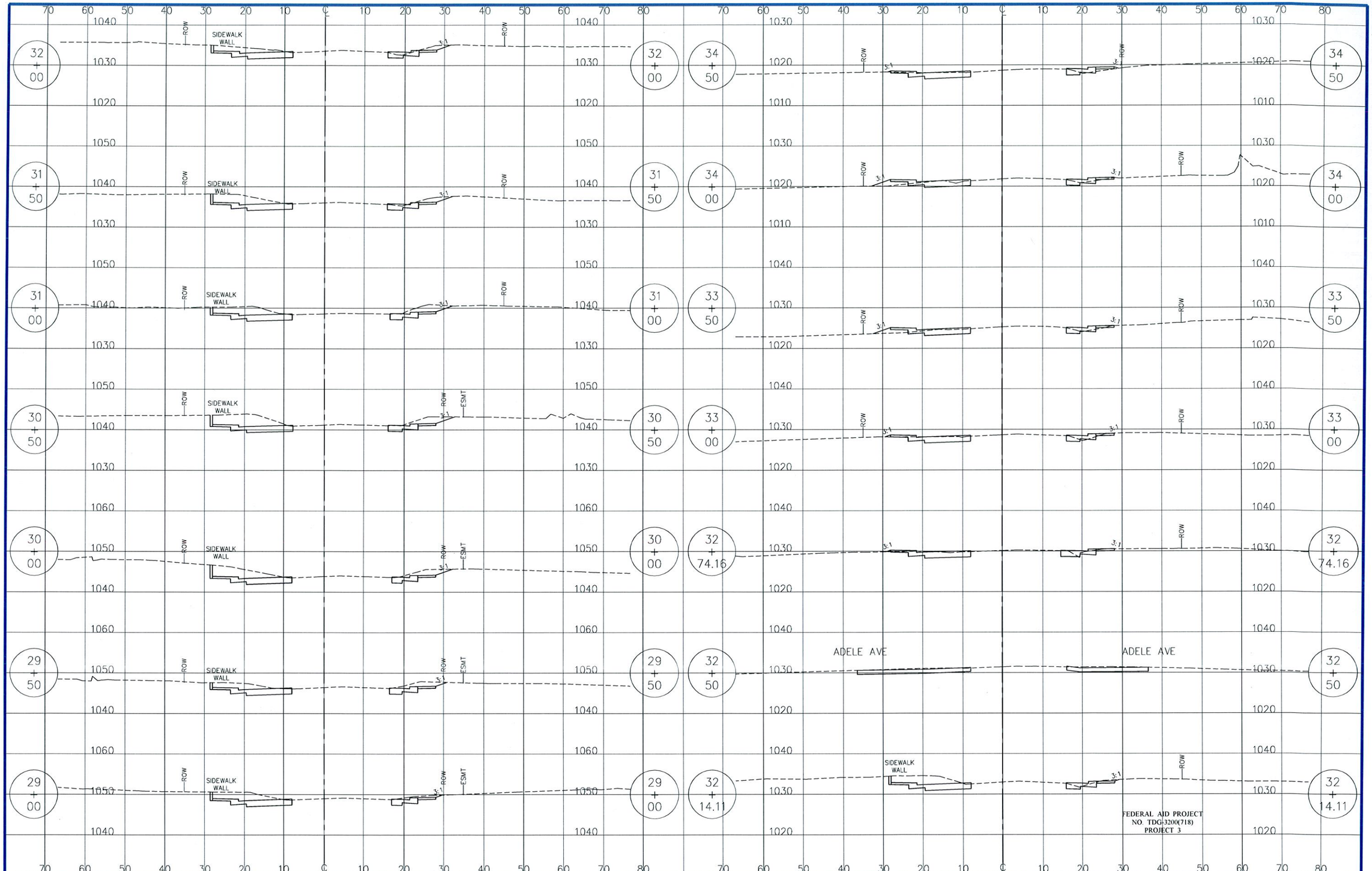
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PNT FILE: W 26TH ST.TXT
SVY DATE: 05/2010
ENGINEER: HERTZBERG

ACAD DWG FILE & PATH NAME:
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SCALES: HORZ: 1" = 10'
VERT: 1" = 10'

DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

X-SECTIONS
26TH ST WIDENING - XSECTIONS
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
15 of 27




CITY OF Joplin

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

REV DATE: | REVISION:

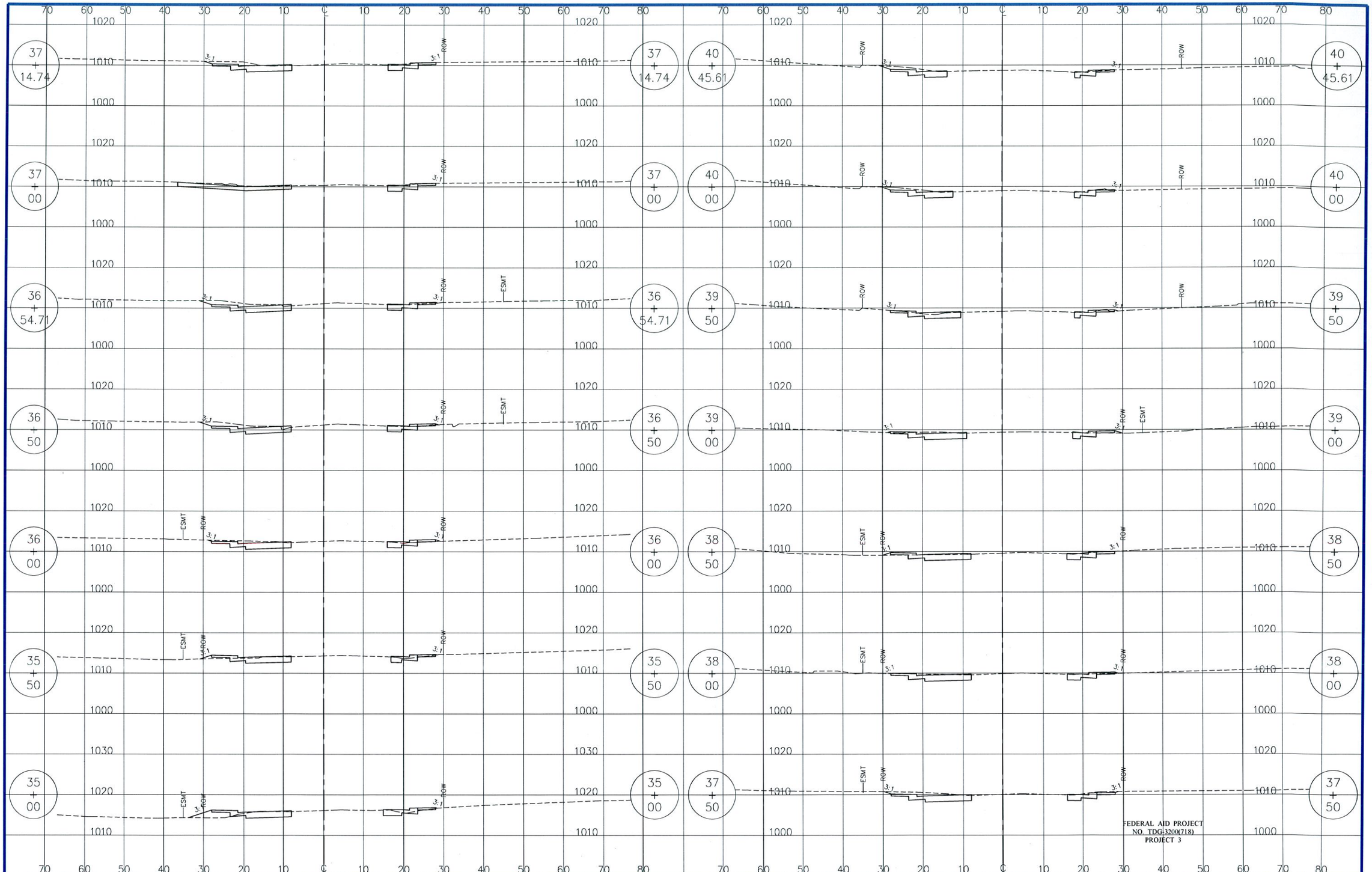
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DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

X-SECTIONS
26TH ST WIDENING - XSECTIONS
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
16 of 27




FEDERAL AID PROJECT
NO. TDGI-3200(718)
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PH NO: 417-624-0820 EXT 530
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REV DATE: | REVISION:

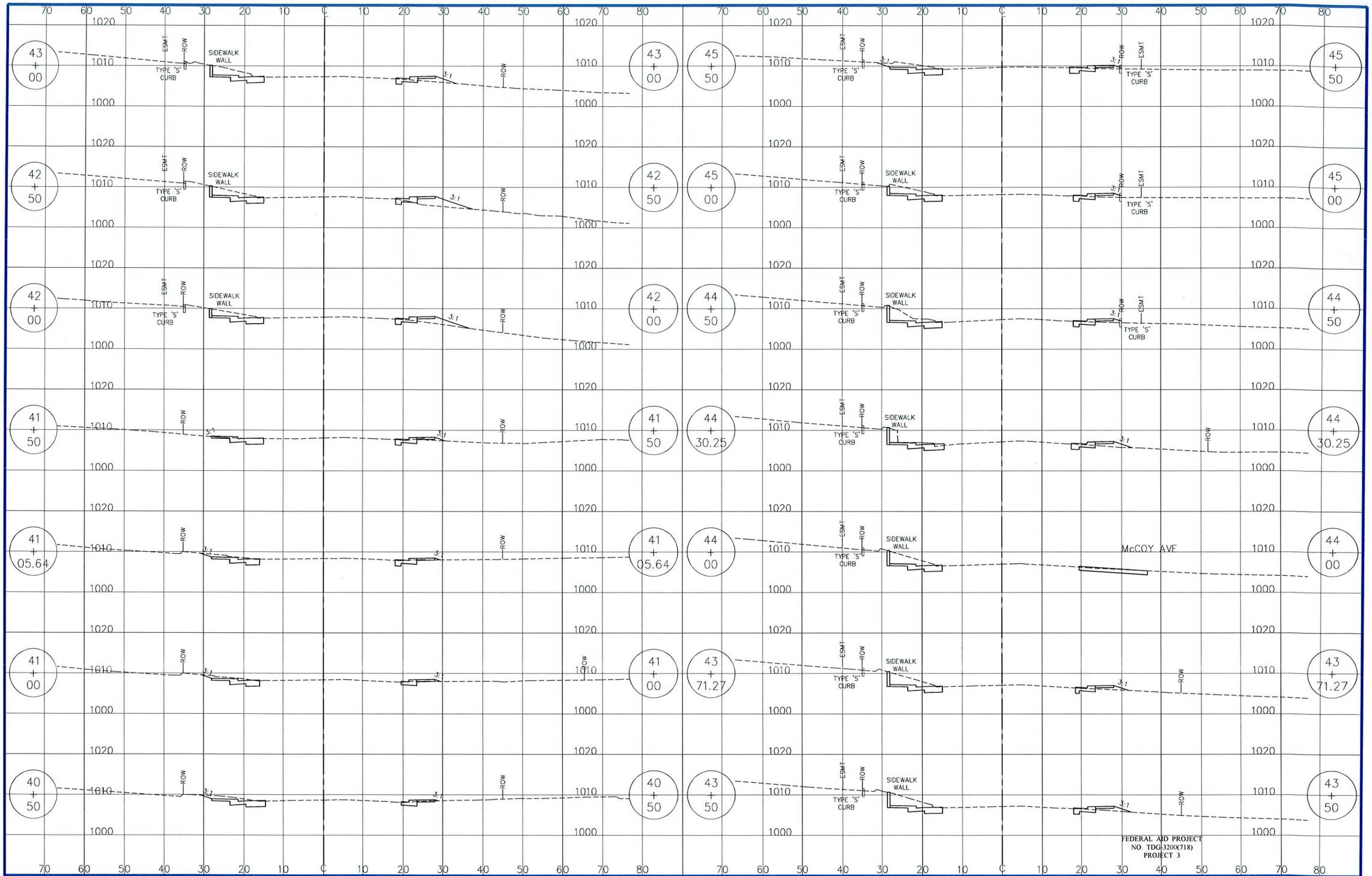
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CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

X-SECTIONS
# 26TH ST WIDENING - XSECTIONS
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
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FEDERAL AID PROJECT
NO. TDG-3200(718)
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ADDRESS: 602 S MAIN ST 64801
PH NO: 417-624-0820 EXT 530
FAX NO: 417-625-4738
E-MAIL: DHERTZBE@JOPLINMO.ORG

| REV DATE: | REVISION: |
|---|---|
| 09/2012 | ADDED ESMTS ON LEFT & RIGHT AT TYPE 'S' CURB |

SVYD BY: ANDERSON
PNT FILE: W 26TH ST.TXT
SVY DATE: 05/2010
ENGINEER: HERTZBERG

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DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 06/2011

X-SECTIONS

# 26TH ST WIDENING - XSECTIONS
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
18 of 27

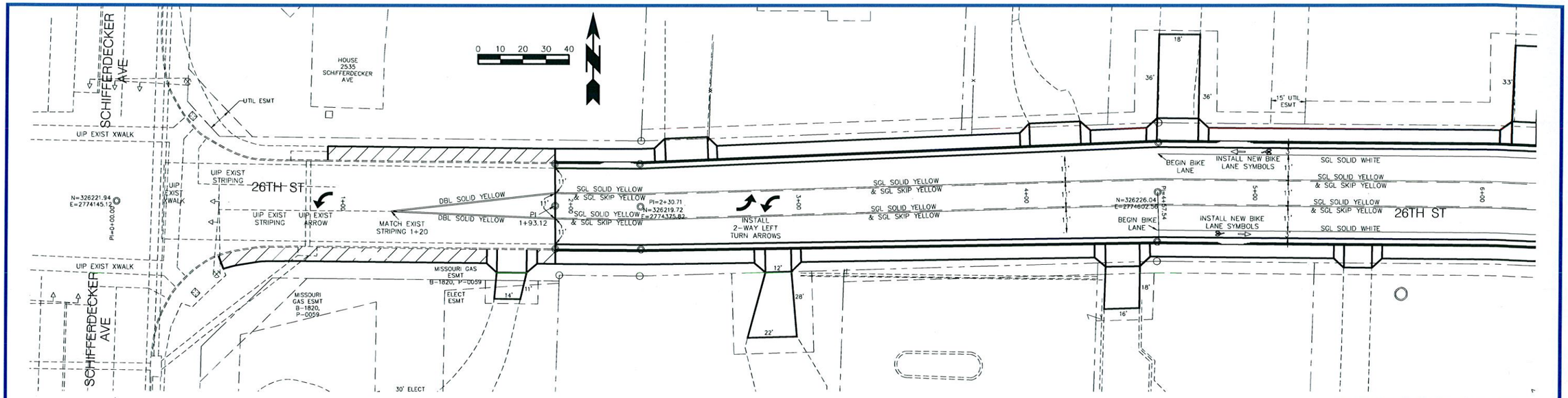
DIRT TOTALS
533 CU YDS FILL
7946 CU YDS CUT

MAIDEN LANE

McCOY AVE

FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CITY OF JOPLIN, MISSOURI<br>DEPARTMENT OF PUBLIC WORKS<br>DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: ANDERSON | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\RC009001 | DWN BY: STAFF | X-SECTIONS<br>26TH ST WIDENING - XSECTIONS<br>SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459 |
| | PH NO: 417-624-0820 EXT 530 | 09/2012 | ADDED ESMTS AT TYPE 'S' CURB | PNT FILE: W 26TH ST.TXT | | CKD BY: BRADLEY | | SHEET<br>19 of 27 |
| | FAX NO: 417-625-4738 | | | SVY DATE: 05/2010 | SCALES: HORZ: 1" = 10'<br>VERT: 1" = 10' | APD BY: SCHALLER | | |
| | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: HERTZBERG | | DATE: 06/2011 | | |




## GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE THEIR OWN LAYOUT & STAKING.
2. ALL STOP BARS ARE 2' WIDE & ALL CROSSWALKS ARE 6' WIDE.
3. ALL LANE STRIPES ARE TO BE 4" WIDE WITH 4" SPACE BETWEEN STRIPES.
4. 6' MINIMUM SPACE BETWEEN STOP BARS & CROSSWALKS.
5. 10' SETBACK ON STOP BARS IN LEFT TURN LANES.
6. 2' SPACING OF SOLID WHITE STRIPE AROUND CONC ISLANDS IF NECESSARY.
7. ALL BIKE LANE LINES & EDGE OF PAVEMENT LINES ARE TO BE SOLID WHITE.
8. INSTALL 2'X5' ADA DOMED PAVERS AT EXISTING ADA RAMPS.
9. ALL BIKE LANE SIGNING SHALL BE DONE BY THE CITY OF JOPLIN.
10. PEDESTRIAN CROSSING SIGNS SHALL BE INSTALLED BY THE CITY OF JOPLIN IN ADVANCE OF EACH MARKED CROSSWALK ACROSS STREET UNLESS AT SIGNALIZED INTERSECTIONS.
11. ALL STRIPING WORK SHALL BE IN ACCORDANCE WITH THE GUIDELINES OF THE MUTCD & WITH THE BARRICADING SECTION OF THE CITY OF JOPLIN SAFETY MANUAL.

## TYPICAL SECTION - 3 LANE DESIGN WITH BIKE LANES

N.T.S.

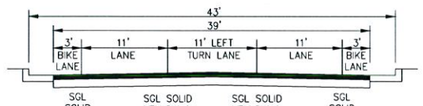



**Figure 3B-19. Examples of Crosswalk Markings**

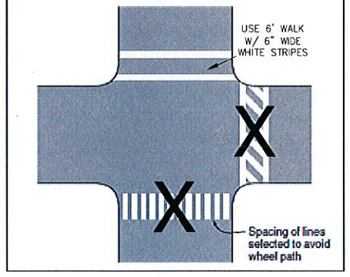



**Figure 3B-7. Example of Two-Way Left-Turn Lane Marking Applications**

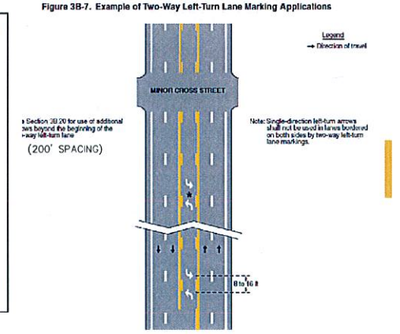
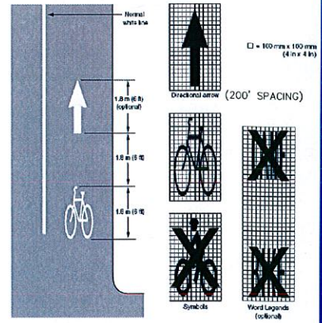
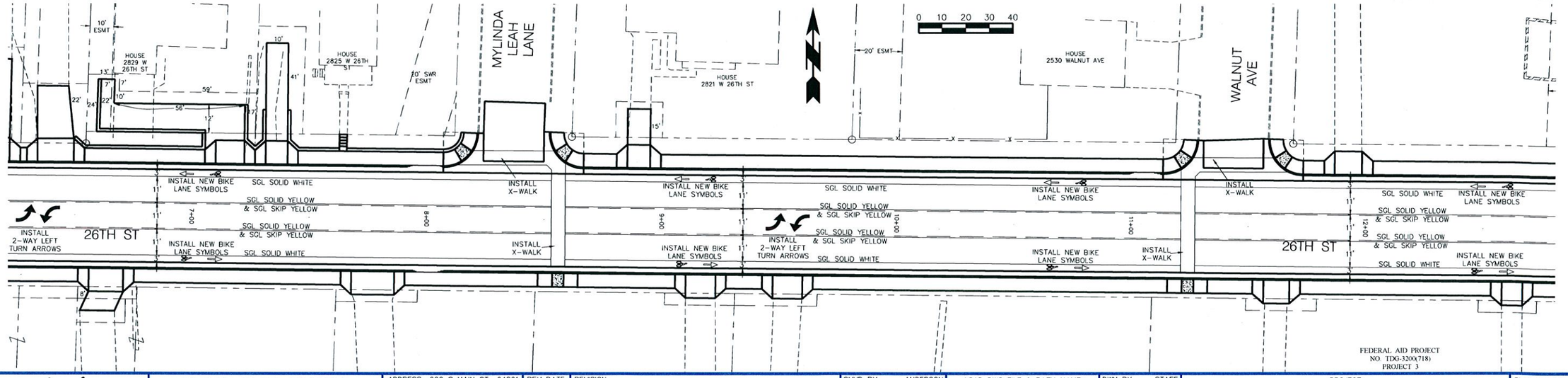


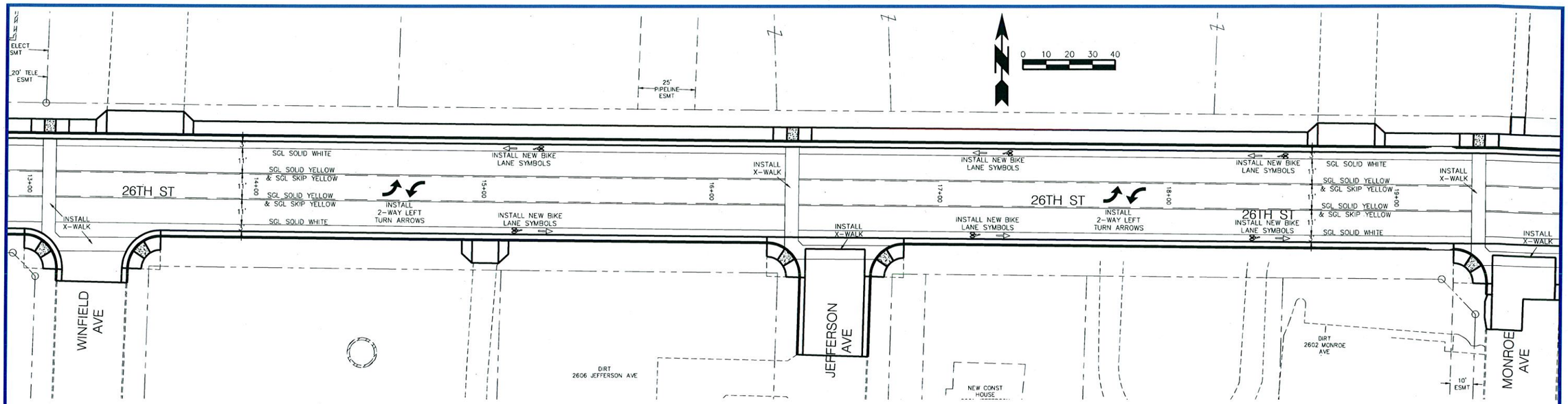

**Figure 9C-6. Example of Optional Word and Symbol Pavement Markings for Bicycle Lanes**




FEDERAL AID PROJECT NO. TDG-3200(718) PROJECT 3

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS 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: DHERTZBE@JOPLINMO.ORG | REV DATE:<br>09/2012 | REVISION:<br>CREATED DWG | SVYD BY: ANDERSON<br>PNT FILE: W 26TH ST.TXT<br>SVY DATE: 12/2010<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\STRIPING1<br>SCALES: HORZ: 1" = 20' VERT: 1" = N/A | DWN BY: STAFF<br>CKD BY: BRADLEY<br>APD BY: SCHALLER<br>DATE: 09/2012 | PROJECT<br>STRIPING PLAN FOR 26TH ST<br>SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459<br>SHEET<br>20 of 27 |

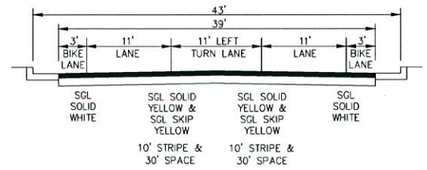


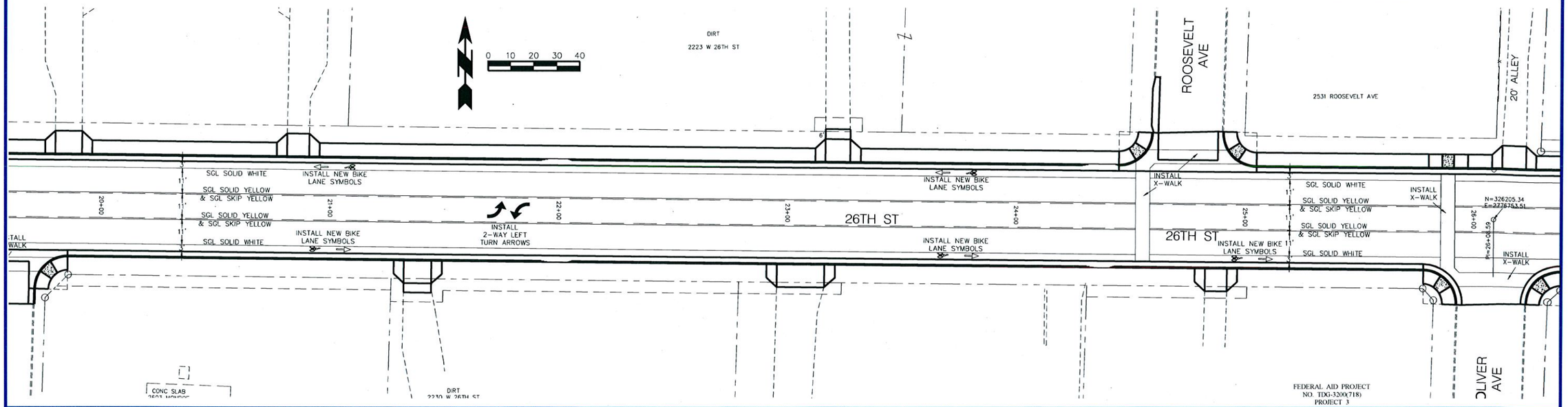

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## TYPICAL SECTION - 3 LANE DESIGN WITH BIKE LANES

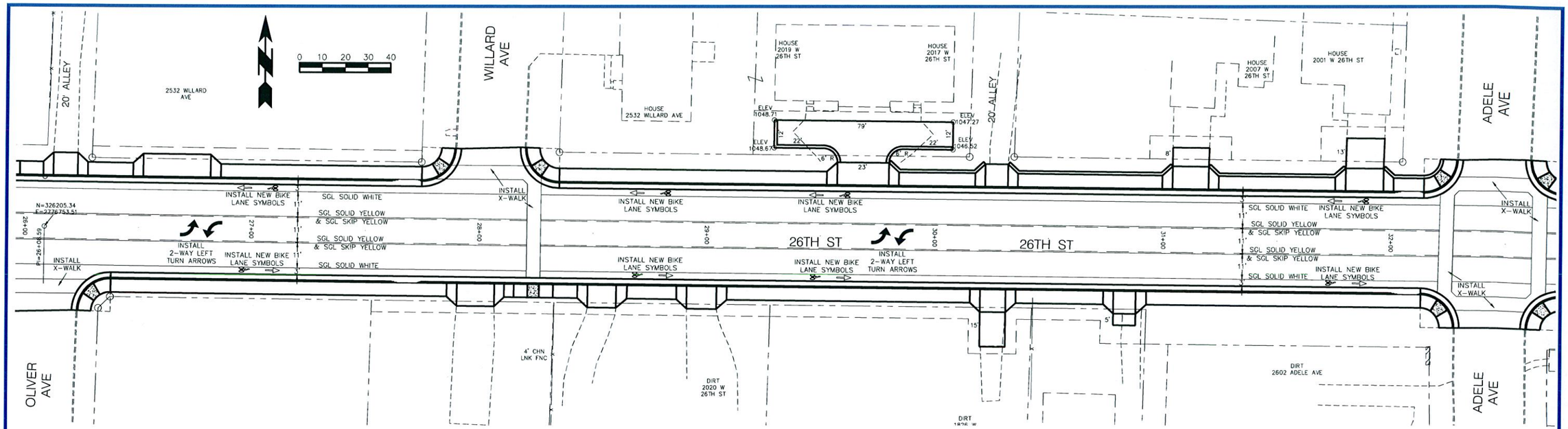
N.T.S.




FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

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|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>DEPARTMENT OF PUBLIC WORKS<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: DHERTZBE@JOPLINMO.ORG | REV DATE:<br>09/2012 | REVISION:<br>CREATED DWG | SVYD BY: ANDERSON<br>PNT FILE: W 26TH ST.TXT<br>SVY DATE: 12/2010<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\STRIPING2<br>SCALES: HORZ: 1" = 20' VERT: 1" = N/A | DWN BY: STAFF<br>CKD BY: BRADLEY<br>APD BY: SCHALLER<br>DATE: 09/2012 | PROJECT<br>STRIPING PLAN FOR 26TH ST<br>SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459<br>SHEET<br>21 of 27 |

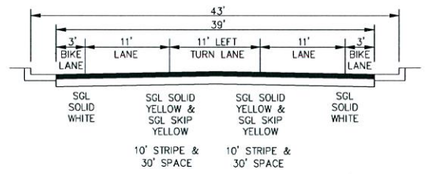


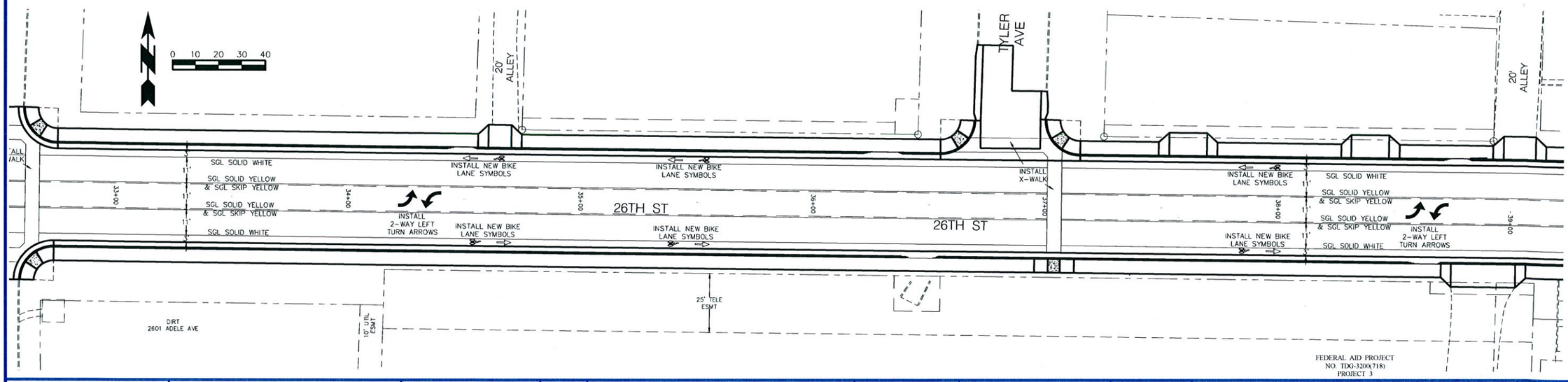

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## TYPICAL SECTION - 3 LANE DESIGN WITH BIKE LANES

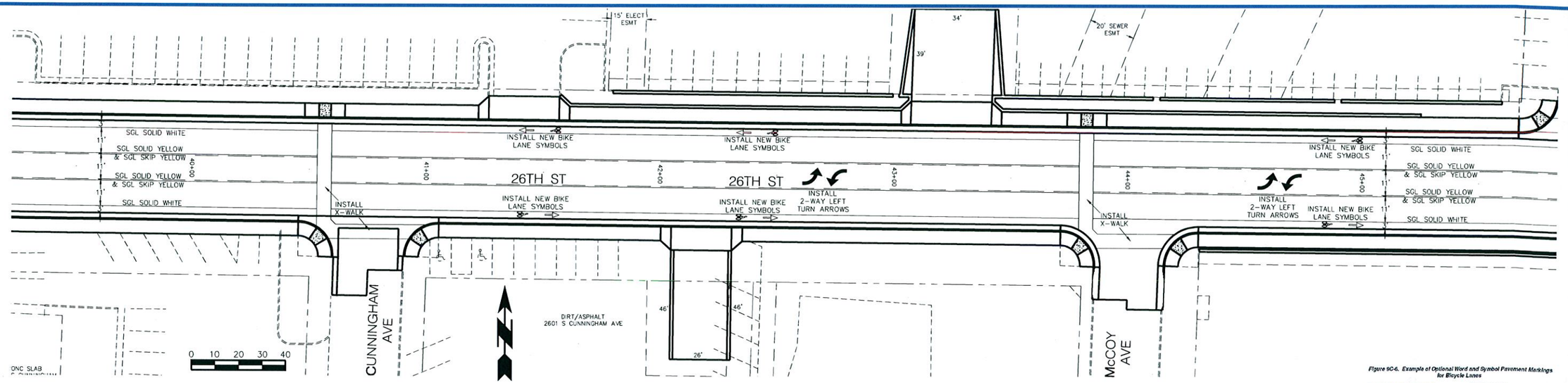
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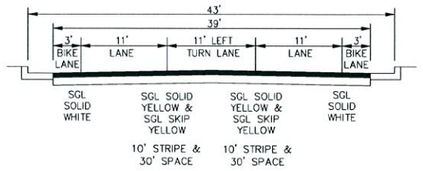

FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

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|---|---|---|---|---|---|---|---|---|---|
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## GENERAL NOTES

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**TYPICAL SECTION**
**3 LANE DESIGN**
**WITH BIKE LANES**
N.T.S.

**Figure 3B-19. Examples of Crosswalk Markings**

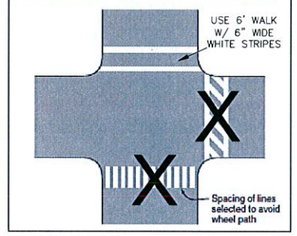



**Figure 3B-7. Example of Two-Way Left-Turn Lane Marking Applications**

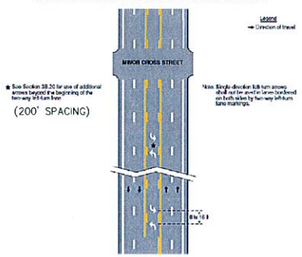
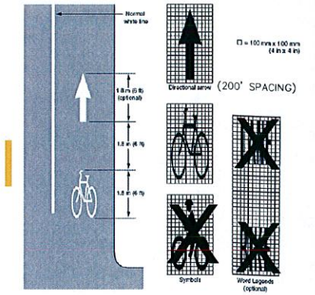
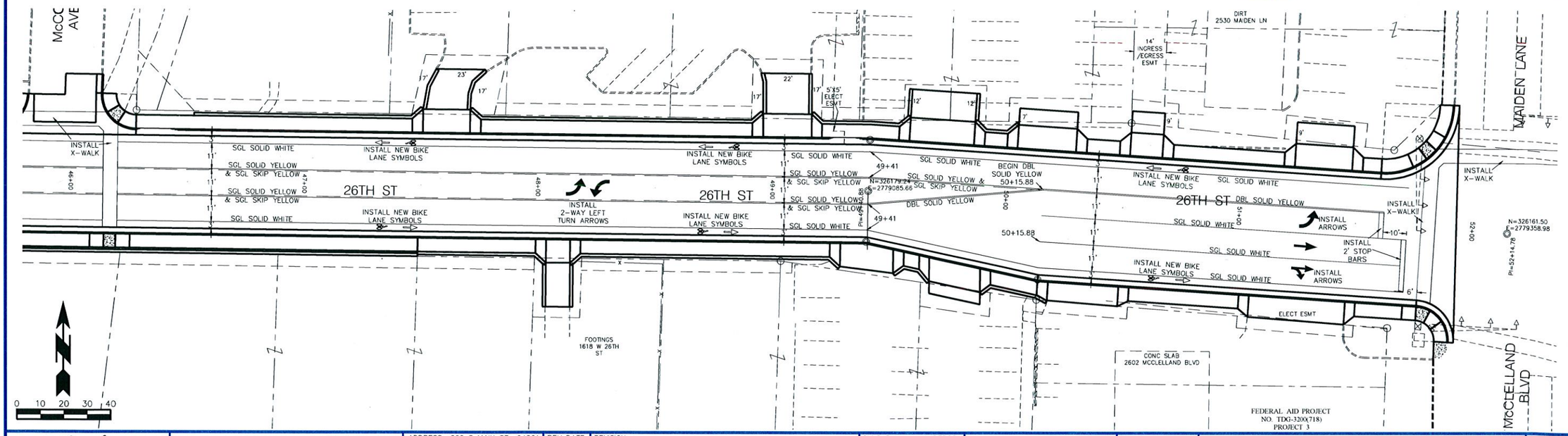
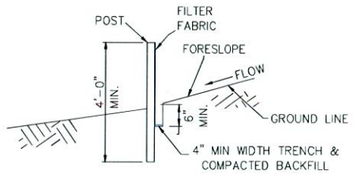


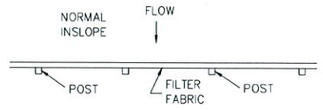

**Figure 9C-6. Example of Optional Word and Symbol Pavement Markings for Bicycle Lanes**




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI<br>DEPARTMENT OF PUBLIC WORKS<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: DHERTZBE@JOPLINMO.ORG | REV DATE: 09/2012 | REVISION: CREATED DWGS | SVYD BY: ANDERSON<br>PNT FILE: W 26TH ST.TXT<br>SVY DATE: 12/2010<br>ENGINEER: HERTZBERG | ACAD DWG FILE & PATH NAME: STREET\26THSCHIFFML\STRIPING4<br>SCALES: HORZ: 1" = 20' VERT: 1" = N/A | DWN BY: STAFF<br>CKD BY: BRADLEY<br>APD BY: SCHALLER<br>DATE: 09/2012 | PROJECT<br>STRIPING PLAN FOR 26TH ST<br>SCHIFFERDECKER TO MAIDEN LANE | PLAN NO: 8459<br>SHEET<br>23 of 27 |



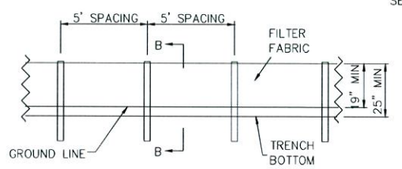

SILT FENCE NOTES:

USE SILT FENCE FOR FILL HEIGHTS GREATER OR EQUAL TO 10 FEET. ON ALL FILLS GREATER THAN 10 FEET HIGH, MID-SLOPE RUNS OF SILT FENCE SHOULD BE CONSIDERED.

FOR FABRIC SILT FENCE:

MIN LONGITUDINAL SPLICE OVERLAP SHALL BE 2' WITH A POST AT EACH END.

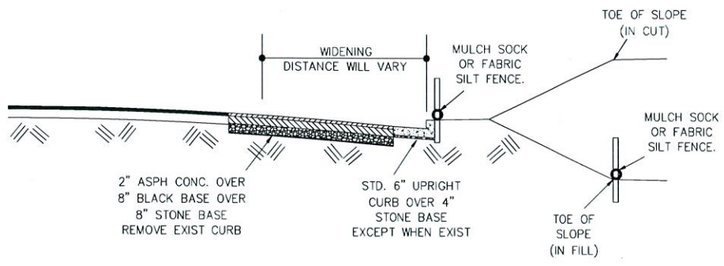
SECURE FABRIC TO POSTS.




## SLOPE EROSION CONTROL LOCATIONS

1+93 TO 6+25 RT-432'
7+25 TO 9+75 RT-250'
24+25 TO 26+00 RT-175'
27+25 TO 28+75 RT-150'
41+25 TO 51+78 RT-1053'
1+93 TO 32+50 LT-3057'
32+75 TO 51+93 LT-1918'
7110' TOTAL

SLOPE EROSION CONTROL SHALL BE INSTALLED IN FILL AT THE NEW SLOPE LINE & SHALL INCLUDE, BUT ARE NOT LIMITED TO, MULCH SOCKS OR FABRIC SILT FENCE.
SLOPE EROSION CONTROL SHALL BE INSTALLED IN CUT AT THE NEW BACK OF CURB & SHALL INCLUDE, BUT ARE NOT LIMITED TO, MULCH SOCKS OR FABRIC SILT FENCE.

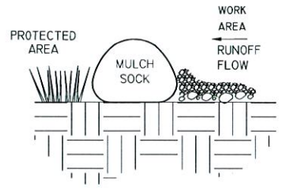



## EROSION CONTROL DETAIL

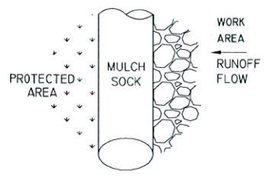
## EROSION CONTROL NOTES

1. TEMPORARY OR FINAL SEEDING SHALL BE DONE IMMEDIATELY UPON COMPLETION OF GRADING.
2. SLOPE EROSION CONTROL SHALL BE INSTALLED IN FILL AT THE NEW SLOPE LINE & SHALL INCLUDE, BUT ARE NOT LIMITED TO, MULCH SOCKS OR FABRIC SILT FENCE.
3. SLOPE EROSION CONTROL SHALL BE INSTALLED IN CUT AT THE NEW BACK OF CURB & SHALL INCLUDE, BUT ARE NOT LIMITED TO, MULCH SOCKS OR FABRIC SILT FENCE.
6. SEDIMENT CONTROL BASINS SHALL BE CONSTRUCTED AT EACH STORM SEWER OUTLET USING STRAW BALE DITCH CHECK.
7. MULCH SOCKS SHALL BE INSTALLED AROUND EACH NEW OR EXISTING CURB INLET.

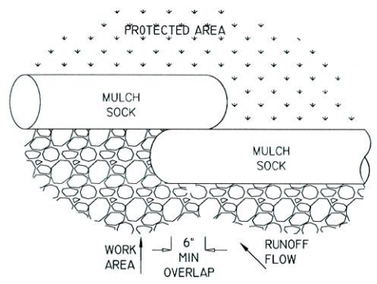
## SECTION



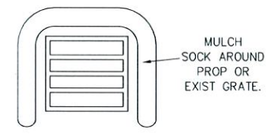

## PLAN




## OVERLAP




## PLAN




## MULCH SOCK INSTALLATION DETAILS

## MULCH SOCK LOCATIONS

2+20 LT-16'
4+90 LT-16'
4+90 RT-14'
8+00 LT-16'
8+00 RT-13'
MYLINDA LEAH LN-12'
11+05 LT-13'
19+20 LT-13'
19+20 RT-12'
MONROE AVE-15'
22+00 LT-13'
22+00 RT-13'
24+37 LT-16'
24+37 RT-14'
ROOSEVELT AVE-32'
27+69 LT-15'
27+69 RT-15'
32+09 LT-15'
32+08 RT-13'
34+50 LT-14'
36+31 LT-18'
36+50 LT-N/A
36+50 LT-20'
TYLER AVE WEST-48'
TYLER AVE EAST-12'
37+15 LT-N/A
38+68 RT-14'
38+78 LT-N/A
38+78 LT-12'
39+04 LT-20'
39+52 LT-N/A
CUNNINGHAM WEST-N/A
CUNNINGHAM EAST-14'
40+93 LT-N/A
MCCOY AVE WEST-13'
MCCOY AVE EAST-N/A
44+29 LT-N/A
44+38 LT-17'
46+36 LT-26'
49+30 LT-14'
528' TOTAL

FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

CITY OF Joplin

CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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

| REV DATE: | REVISION: |
|---|---|
| 9/24/2012 | CREATED DWG |

SVYD BY: ANDERSON
PNT FILE: W 26TH ST.TXT
SVY DATE: 12/2010
ENGINEER: HERTZBERG

ACAD PATH & FILE NAME: 26SCHIFFML\EROSIONCONTROL
SCALES : HORZ : 1" = 30'

DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 9/2012

PROJECT
EROSION CONTROL PLAN FOR 26TH ST
SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET 24 of 27

NTS

PHASE 1
NORTH SIDE

DO NOT CLOSE

CHANGEABLE MESSAGE SIGN

CHANGEABLE MESSAGE SIGN

DO NOT CLOSE

DO NOT CLOSE

PHASE 2
SOUTH SIDE

W 20TH ST
W 21ST ST
W 22ND ST
W 23RD ST
W 24TH ST
W 25TH ST
W 26TH ST
W 27TH ST
W 28TH ST
W 29TH ST
W 30TH ST
W 30TH ST TERR
W 31ST ST
W 32ND ST
W 33RD ST
GABBY STREET BLVD
OLD 32ND ST
W 21ST ST TERR
W 30TH ST (CANANLAND LN)
CLEVELAND TERR
CLEVELAND CT
SCHIFFERDECKER AVE
ROOSEVELT AVE
WILLARD AVE
ADELE AVE
TYLER AVE
McCOY AVE
HARLEM AVE
PORTER AVE
ANNIE BAXTER AVE
EMPIRE AVE
MURPHY AVE
BIRD AVE
CONNOR AVE
JACKSON AVE
SERGEANT AVE
MOFFET AVE
BYERS AVE
PEARL AVE
WALL AVE
JOPLIN AVE
MAIN ST
MAIDEN LN
PICHER AVE
CUNNINGHAM AVE
MINA AVE
MEADOW AVE
EVAN WOOD TERR
GOLF LINKS RD
HIGHLAND AVE
IRON GATES RD
DAY RD
TANYARD HOLLOW RD
COUNTRY CLUB RD
CRANE DR
OLD ORCHARD RD
REAR BLOSSOM LN
N KINGSDALE RD
W KINGSDALE RD
S KINGSDALE RD
SUNSET DR
SUNSET WEST DR
SUNSET EAST DR
SUNSET SOUTH DR
JESSICA DR
ABIGAIL LN
KELLEY DR
SKELLEY CT
BRIARWOOD DR
WINFIELD AVE
JEFFERSON AVE
MONROE AVE
OLIVER AVE
WESTBERRY LN
WESTBERRY SQ N
WESTBERRY SQ E
WESTBERRY SQ S
McCLELLAND BLVD
MONTOSH CIR DR
MOHASKY AVE
HILLSIDE DR
LUKE AVE
SABRA AVE
OAK RIDGE DR

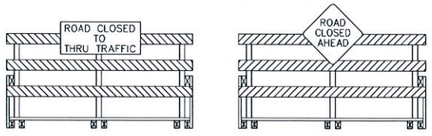
ROAD CONSTRUCTION AHEAD
W020-1
48"x48"
(2)

ROAD CLOSED AHEAD
W020-3
48"x48"
(1) *

OR

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"x30"
(3) *

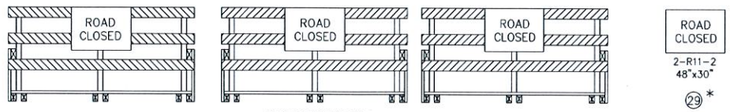
* MOUNTED ON 2 STAGGERED MOVABLE BARRICADES




USE SIGN (1) ON ONE BARRICADE & SIGN (3) ON THE OTHER BARRICADE.

NOTE: METAL SIGNS CANNOT BE ATTACHED TO BARRICADES. PLASTIC OR ROLL-UP SIGNS CAN BE ATTACHED TO BARRICADES.

ROAD CLOSURE DETAIL 'A'




TYPE III BARRICADE
(B)

* MOUNTED BACK TO BACK ON 3 MOVABLE BARRICADES

ROAD CLOSURE DETAIL 'B'

NOTE: METAL SIGNS CANNOT BE ATTACHED TO BARRICADES. PLASTIC OR ROLL-UP SIGNS CAN BE ATTACHED TO BARRICADES.

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

## TRAFFIC CONTROL NOTES

1. ACCESS TO ADJACENT PROPERTIES SHALL BE RESTORED AT THE END OF EACH WORKDAY.
2. ALL SIGNS SHALL BE PORTABLE MOUNTED, EXCEPT THOSE ATTACHED TO MOVABLE BARRICADES.
3. ALL SIGNS NOT IN USE SHALL BE COVERED OR REMOVED.
4. CONTRACTOR SHALL NOTIFY CITY OF JOPLIN 2 DAYS IN ADVANCE OF ANY SCHEDULED ROAD CLOSURE & DETOUR OPERATIONS.
5. ROADWAY CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL MEASURES WITH THE SIGNAL CONTRACTOR TO ELIMINATE ANY CONFLICTS AT COMMON WORK LOCATIONS.
6. CONTRACTOR MUST MAINTAIN ONE THRU LANE EACH WAY & LEFT TURN LANES.
7. CONSTRUCTION SHALL BE COMPLETED IN 2 PHASES. PHASE 1 TO BE THE NORTH SIDE OF 26TH ST. PHASE 2 TO BE THE SOUTH SIDE OF 26TH ST.
8. ACCESS TO BUSINESS OR CHURCH PROPERTIES SHALL BE MAINTAINED AT ALL TIMES VIA 1/2 ENTRANCE CLOSURE IF MULTIPLE ENTRANCES DO NOT EXIST.

FEDERAL AID PROJECT
NO. TDG-3200(718)
PROJECT 3

CITY OF Joplin

CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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

| REV DATE: | REVISION: |
|---|---|
| 9/10/2012 | CREATED SHEET |

| | |
|---|---|
| SVYD BY: | ANDERSON |
| PNT FILE: | W 26TH ST.TXT |
| SVY DATE: | 5/2010 |
| ENGINEER: | HERTZBERG |

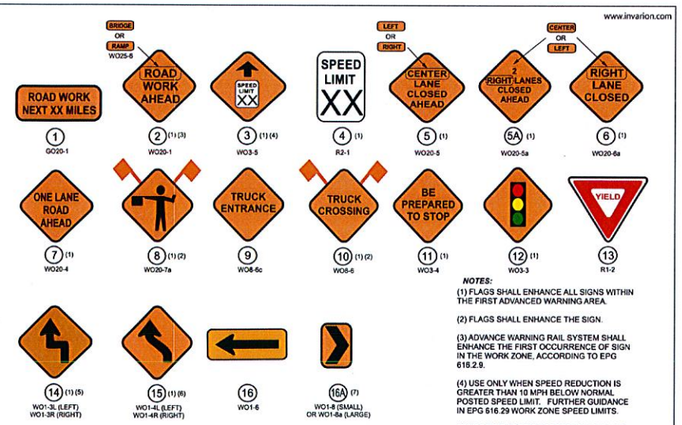
ACAD DWG FILE & PATH NAME: 26SCHIFFML\26SCHIFFMLTRAFFIC
SCALES: N/A N/A

| | |
|---|---|
| DWN BY: | STAFF |
| CKD BY: | BRADLEY |
| APD BY: | SCHALLER |
| DATE: | 9/2012 |

PROJECT
TRAFFIC CONTROL PLAN - WIDENING OF 26TH ST - SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET
25 of 27

www.invarion.com




**NOTES:**

(1) FLAGS SHALL ENHANCE ALL SIGNS WITHIN THE FIRST ADVANCED WARNING AREA.

(2) FLAGS SHALL ENHANCE THE SIGN.

(3) ADVANCE WARNING RAIL SYSTEM SHALL ENHANCE THE FIRST OCCURRENCE OF SIGN IN THE WORK ZONE, ACCORDING TO EPG 616.2.9.

(4) USE ONLY WHEN SPEED REDUCTION IS GREATER THAN 10 MPH BELOW NORMAL POSTED SPEED LIMIT. FURTHER GUIDANCE IN EPG 616.29 WORK ZONE SPEED LIMITS.

(5) USE WHEN DESIGN SPEED IS 30 MPH OR LESS. CONSIDER USING SIGN (44).

(6) USE WHEN DESIGN SPEED LIMIT IS GREATER THAN 30 MPH. CONSIDER USING SIGN (44).

(7) USE WO1-8a CHEVRON ON DIVIDED HIGHWAYS.

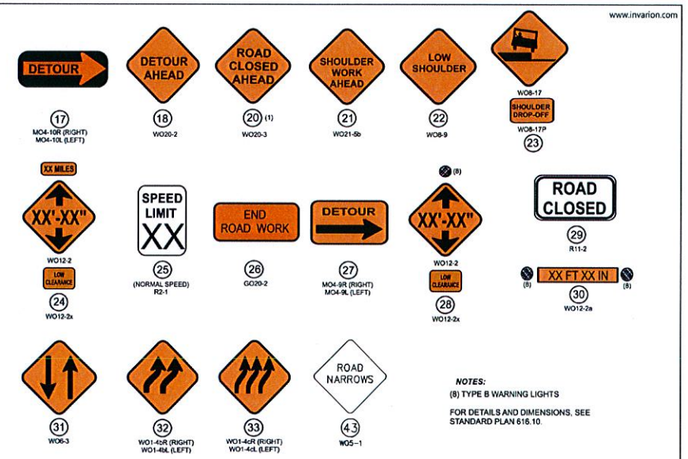
FOR DETAILS AND DIMENSIONS, SEE STANDARD PLAN 616.10.

2/2012

SIGNS AND DEVICES LEGEND

SHEET 1 OF 4

www.invarion.com




**NOTES:**

(8) TYPE 8 WARNING LIGHTS

FOR DETAILS AND DIMENSIONS, SEE STANDARD PLAN 616.10.

2/2012

SIGNS AND DEVICES LEGEND

SHEET 2 OF 4

## Sign Spacing, Device Spacing and Chanelizing Taper Lengths

| TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES | | | | | |
|---|---|---|---|---|---|
| SPEED MPH (P) | MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W) | | | MAXIMUM CHANNELIZER SPACING | |
| | 10 FT | 11 FT | 12 FT | THROUGH TAPER | THROUGH WORK AREA |
| 0-35 | 205 FT | 225 FT | 245 FT | 35 FT | 50 FT |
| 40-45 | 450 FT | 495 FT | 540 FT | 40 FT | 100 FT |
| 50-55 | 550 FT | 605 FT | 660 FT | 50 FT | 100 FT |
| 60-70 | 700 FT | 770 FT | 840 FT | 60 FT | 100 FT |

| SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2) | | |
|---|---|---|
| POSTED SPEED MPH (P) | NON-D VIDED HIGHWAYS (S) | DIVIDED HIGHWAYS (S) |
| 0-35 | 200 FT | 200 FT |
| 40-45 | 350 FT | 500 FT |
| 50-55 | 500 FT | 1000 FT |
| 60-70 | SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT | |

TAPER LENGTH (L)

L = W x P FOR 40 MPH OR MORE

L = $\frac{WP^2}{60}$ FOR 35 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

| TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER | | | | |
|---|---|---|---|---|
| SPEED MPH (P) | MINIMUM TAPER LENGTHS FOR LANE WIDTHS (3) | | | END TREATMENT (4) |
| | 10 FT | 11 FT | 12 FT | |
| ≤40 | 160 FT | 168 FT | 176 FT | BARRIER HEIGHT TRANSITION |
| >40 | 160 FT | 168 FT | 176 FT | APPROVED CRASH CUSHION |

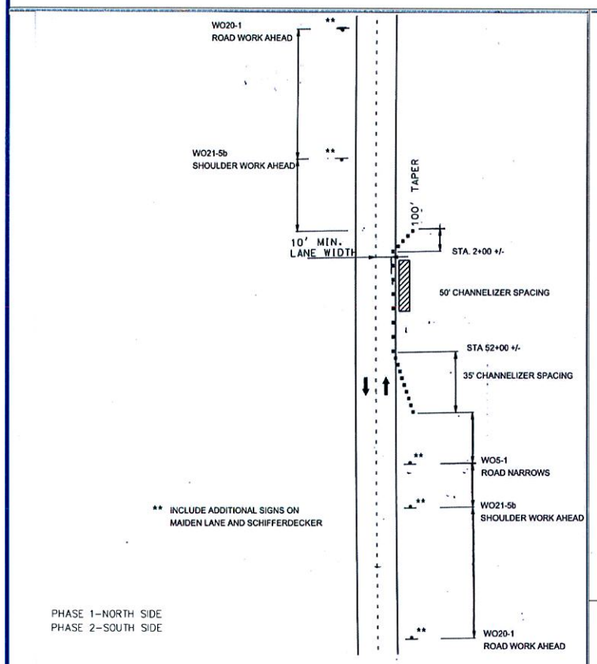
NOTES:

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.

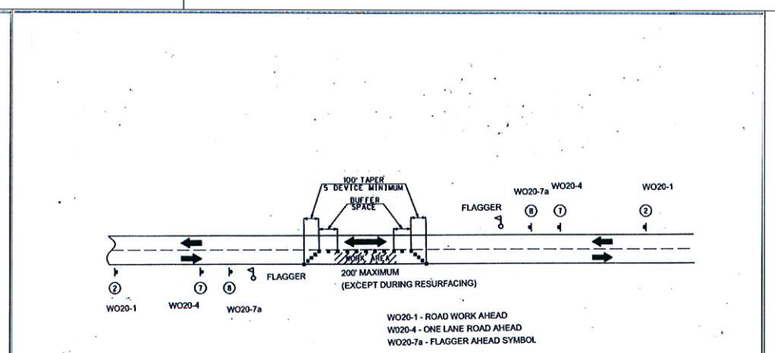
(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

(3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10 FT SHOULDER.

(4) CONCRETE BARRIER MAY BE INSTALLED AT AN 8:1 FLARE RATE FROM THE SHOULDER POINT TO THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER.

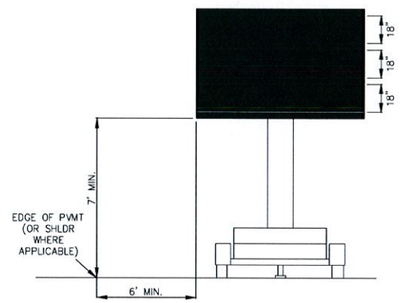



MINOR TRAVELWAY ENCROACHMENT

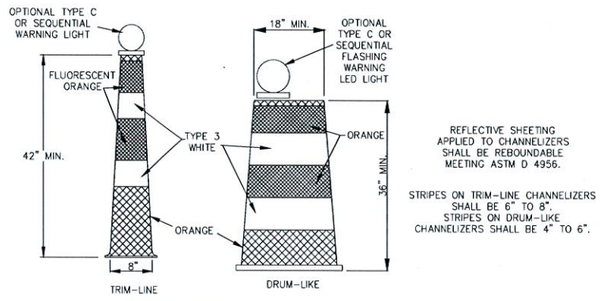



WO20-1 - ROAD WORK AHEAD
WO20-4 - ONE LANE ROAD AHEAD
WO20-7a - FLAGGER AHEAD SYMBOL

ONE LANE FLAGGER CONTROL




CHANGEABLE MESSAGE SIGN DETAIL




CHANNELIZER DETAIL

FEDERAL AID PROJECT NO. TDG-3200(718) PROJECT 3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITY OF Joplin | CITY OF JOPLIN, MISSOURI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING | ADDRESS: 602 S MAIN ST 64801 | REV DATE: | REVISION: | SVYD BY: | ANDERSON | ACAD DWG FILE & PATH NAME: 26SCHIFFML\26SCHIFFMLTRAFFIC2 | DWN BY: | STAFF |
| | | PH NO: 417-624-0820 EXT 530 | 9/10/2012 | CREATED SHEET | PNT FILE: | W 26TH ST.TXT | | CKD BY: | BRADLEY |
| | | FAX NO: 417-625-4738 | | | SVY DATE: | 5/2010 | SCALES: N/A N/A | APD BY: | SCHALLER |
| | | E-MAIL: DHERTZBE@JOPLINMO.ORG | | | ENGINEER: | HERTZBERG | | DATE: | 9/2012 |

PROJECT

TRAFFIC CONTROL PLANS - WIDENING OF 26TH ST - SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459

SHEET 26 of 27

| SIGN | SIZE (IN.) | AREA (SQ. FT.) | QTY | TOTAL AREA | QTY RELOC | TOTAL RELOC AREA | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| WARNING SIGNS | | | | | | | |
| W01-1L | 48X48 | 16.00 | | | | | TURN (SYMBOL LEFT ARROW) |
| W01-1R | 48X48 | 16.00 | | | | | TURN (SYMBOL RIGHT ARROW) |
| W01-2L | 48X48 | 16.00 | | | | | CURVE (SYMBOL LEFT ARROW) |
| W01-2R | 48X48 | 16.00 | | | | | CURVE (SYMBOL RIGHT ARROW) |
| W01-3L | 48X48 | 16.00 | | | | | REVERSE TURN (SYMBOL LEFT ARROW) |
| W01-3R | 48X48 | 16.00 | | | | | REVERSE TURN (SYMBOL RIGHT ARROW) |
| W01-4L | 48X48 | 16.00 | | | | | REVERSE CURVE (SYMBOL LEFT ARROW) |
| W01-4R | 48X48 | 16.00 | | | | | REVERSE CURVE (SYMBOL RIGHT ARROW) |
| W01-4bL | 48X48 | 16.00 | | | | | DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS) |
| W01-4bR | 48X48 | 16.00 | | | | | DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS) |
| W01-4cL | 48X48 | 16.00 | | | | | TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS) |
| W01-4cR | 48X48 | 16.00 | | | | | TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS) |
| W01-6 | 48X24 | 8.00 | | | | | HORIZONTAL ARROW (SYMBOL) |
| W01-6a | 72X36 | 18.00 | | | | | HORIZONTAL ARROW (SYMBOL ON PERMANENT BARRICADE) |
| W01-7 | 48X24 | 8.00 | | | | | DOUBLE HEAD HORIZONTAL ARROW (SYMBOL) |
| W01-7a | 72X36 | 18.00 | | | | | DOUBLE HEAD HORIZONTAL ARROW (SYMBOL ON PERMANENT BARRICADE) |
| W01-8 | 18X24 | 3.00 | | | | | CHEVRON (SYMBOL) |
| W01-8a | 36X48 | 12.00 | | | | | CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS) |
| W03-1a | 48X48 | 16.00 | | | | | STOP AHEAD (SYMBOL) |
| W03-2a | 48X48 | 16.00 | | | | | YIELD AHEAD (SYMBOL) |
| W03-3 | 48X48 | 16.00 | | | | | SIGNAL AHEAD (SYMBOL) |
| W03-4 | 48X48 | 16.00 | | | | | BE PREPARED TO STOP |
| W03-5 | 48X48 | 16.00 | | | | | SPEED LIMIT XX AHEAD (SYMBOL) |
| W04-1L | 48X48 | 16.00 | | | | | MERGE (SYMBOL FROM LEFT) |
| W04-1R | 48X48 | 16.00 | | | | | MERGE (SYMBOL FROM RIGHT) |
| W05-1 | 48X48 | 16.00 | | | | | ROAD/BRIDGE/RAMP NARROWS |
| W05-3 | 48X48 | 16.00 | | | | | ONE LANE BRIDGE |
| W05-5 | 48X48 | 16.00 | | | | | NARROW LANES |
| W06-1 | 48X48 | 16.00 | | | | | DIVIDED HIGHWAY (SYMBOL) |
| W06-2 | 48X48 | 16.00 | | | | | DIVIDED HIGHWAY END (SYMBOL) |
| W06-3 | 48X48 | 16.00 | | | | | TWO WAY TRAFFIC (SYMBOL) |
| W07-3a | 30X24 | 5.00 | | | | | NEXT XX MILES (PLAQUE) |
| W08-1 | 48X48 | 16.00 | | | | | BUMP |
| W08-2 | 48X48 | 16.00 | | | | | DIP |
| W08-3 | 48X48 | 16.00 | | | | | PAVEMENT ENDS |
| W08-4 | 48X48 | 16.00 | | | | | SOFT SHOULDER |
| W08-5 | 48X48 | 16.00 | | | | | SLIPPERY WHEN WET (SYMBOL) |
| W08-6 | 48X48 | 16.00 | | | | | TRUCK CROSSING WITH FLAGS |
| W08-6c | 48X48 | 16.00 | | | | | TRUCK ENTRANCE |
| W08-7 | 36X36 | 9.00 | | | | | LOOSE GRAVEL |
| W08-9 | 48X48 | 16.00 | | | | | LOW SHOULDER |
| W08-9a | 48X48 | 16.00 | | | | | SHOULDER DROP-OFF |
| W08-11 | 48X48 | 16.00 | | | | | UNEVEN LANES |
| W08-12 | 36X36 | 9.00 | | | | | NO CENTER STRIPE |
| W10-1 | 42 RND. | 9.62 | | | | | RAILROAD CROSSING |
| W012-1 | 24X24 | 4.00 | | | | | DOUBLE DOWN ARROW (SYMBOL) |
| W012-2 | 48X48 | 16.00 | | | | | LOW CLEARANCE (SYMBOL) |
| W012-2x | 24X18 | 3.00 | | | | | LOW CLEARANCE (PLAQUE) |
| W012-3a,b | 144X24 | 24.00 | | | | | OVERHEAD LOW CLEARANCE (FEET AND INCHES) |
| SPECIAL | 120X60 | 50.00 | | | | | LOW CLEARANCE XX FT XX IN XX MILES AHEAD |
| SPECIAL | 120X60 | 50.00 | | | | | WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD |
| W013-1 | 30X30 | 6.25 | | | | | ADVISORY SPEED (PLAQUE) |
| W016-2 | 30X24 | 5.00 | | | | | XXX FEET (PLAQUE) |
| W016-3 | 30X24 | 5.00 | | | | | X MILE (PLAQUE) |
| W020-1 | 48X48 | 16.00 | 6 | 96 | | | ROAD/BRIDGE/RAMP WORK AHEAD |
| W020-2 | 48X48 | 16.00 | | | | | DETOUR AHEAD |
| W020-3 | 48X48 | 16.00 | 6 | 96 | | | ROAD CLOSED AHEAD |
| W020-4 | 48X48 | 16.00 | 2 | 32 | | | ONE LANE ROAD AHEAD |
| W020-5 | 48X48 | 16.00 | 2 | 32 | | | RIGHT/CENTER/LEFT LANE CLOSED AHEAD |

| SIGN | SIZE (IN.) | AREA (SQ. FT.) | QTY | TOTAL AREA | QTY RELOC | TOTAL RELOC AREA | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| W020-5a | 48X48 | 16.00 | | | | | RIGHT/CENTER/LEFT TWO LANES CLOSED AHEAD |
| W020-6a | 48X48 | 16.00 | | | | | RIGHT/CENTER/LEFT LANE CLOSED |
| W020-7a | 48X48 | 16.00 | 2 | 32 | | | FLAGGER (SYMBOL) WITH FLAGS |
| W021-2 | 36X36 | 9.00 | | | | | FRESH OIL |
| W021-5b | 48X48 | 16.00 | 2 | 32 | | | SHOULDER WORK AHEAD |
| W022-1 | 48X48 | 16.00 | | | | | BLASTING ZONE AHEAD |
| W022-2 | 42X36 | 10.50 | | | | | TURN OFF 2-WAY RADIO AND PHONE |
| W022-3 | 42X36 | 10.50 | | | | | END BLASTING ZONE |
| W022-6e | 21X15 | 2.19 | | | | | WET PAINT (ARROW PIVOTS) |
| GUIDE SIGNS | | | | | | | |
| SPECIAL | 36X36 | 9.00 | | | | | FRESH OIL/LOOSE GRAVEL |
| E05-1 | 36X48 | 12.00 | | | | | GORE EXIT |
| E05-2 | 48X36 | 12.00 | | | | | EXIT OPEN |
| E05-2a | 48X36 | 12.00 | | | | | EXIT CLOSED |
| G020-1 | 60X24 | 10.00 | | | | | ROAD WORK NEXT XX MILES |
| G020-2 | 48X24 | 8.00 | | | | | END ROAD WORK |
| G020-4 | 36X18 | 4.50 | | | | | PILOT CAR FOLLOW ME |
| SPECIAL | 42X30 | 8.75 | | | | | PLEASE WAIT FOR PILOT CAR |
| G023-1 | 36X12 | 3.00 | | | | | WORK ZONE (PLAQUE) |
| M04-8a | 24X18 | 3.00 | | | | | END DETOUR |
| M04-9L | 48X36 | 12.00 | | | | | DETOUR (LEFT ARROW) |
| M04-9R | 48X36 | 12.00 | | | | | DETOUR (RIGHT ARROW) |
| M04-10L | 48X18 | 6.00 | | | | | DETOUR (ARROW LEFT) |
| M04-10R | 48X18 | 6.00 | | | | | DETOUR (ARROW RIGHT) |
| REGULATORY SIGNS | | | | | | | |
| R1-1 | 48X48 | 13.25 | | | | | STOP |
| R1-2 | 48 TRI. | 6.93 | | | | | YIELD |
| R1-2a | 36X36 | 9.00 | | | | | TO ONCOMING TRAFFIC (PLAQUE) |
| R1-3 | 20X9 | 1.25 | | | | | X-WAY (PLAQUE) |
| R2-1 | 36X48 | 12.00 | | | | | SPEED LIMIT XX |
| R3-1 | 48X48 | 16.00 | | | | | NO RIGHT TURN (SYMBOL) |
| R3-2 | 48X48 | 16.00 | | | | | NO LEFT TURN (SYMBOL) |
| R3-3 | 36X36 | 9.00 | | | | | NO TURNS |
| R3-4 | 48X48 | 16.00 | | | | | NO U-TURN (SYMBOL) |
| R3-7L | 30X30 | 6.25 | | | | | LEFT LANE MUST TURN LEFT |
| R3-7R | 30X30 | 6.25 | | | | | RIGHT LANE MUST TURN RIGHT |
| R4-1 | 36X48 | 12.00 | | | | | DO NOT PASS |
| R4-2 | 36X48 | 12.00 | | | | | PASS WITH CARE |
| R4-7aL | 36X48 | 12.00 | | | | | KEEP LEFT (HORIZONTAL ARROW) |
| R4-7a | 36X48 | 12.00 | | | | | KEEP RIGHT (HORIZONTAL ARROW) |
| R5-1 | 30X30 | 6.25 | | | | | DO NOT ENTER |
| R5-1a | 36X24 | 6.00 | | | | | WRONG WAY |
| R6-1L | 48X18 | 6.00 | | | | | ONE WAY ARROW (LEFT) |
| R6-1R | 48X18 | 6.00 | | | | | ONE WAY ARROW (RIGHT) |
| R6-2L | 24X30 | 5.00 | | | | | ONE WAY (LEFT) |
| R6-2R | 24X30 | 5.00 | | | | | ONE WAY (RIGHT) |
| R10-6 | 24X36 | 6.00 | | | | | STOP HERE ON RED (45° ARROW) |
| R11-2 | 48X30 | 10.00 | 12 | 120 | | | ROAD CLOSED |
| R11-3a | 60X30 | 12.50 | | | | | ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY |
| R11-4 | 60X30 | 12.50 | 6 | 75 | | | ROAD CLOSED TO THRU TRAFFIC |
| S4-4 | 36X15 | 3.75 | | | | | WHEN FLASHING |
| CONST-3A | 60X48 | 20.00 | | | | | FINE SIGN |
| CONST-3X | 56X12 | 4.67 | | | | | SPEEDING/PASSING (PLATE) |
| MISCELLANEOUS SIGNS | | | | | | | |
| SPECIAL | 36X48 | 12.00 | | | | | POINT OF PRESENCE |
| SPECIAL | 96X48 | 32.00 | | | | | POINT OF PRESENCE |
| SPECIAL | 48X48 | 16.00 | | | | | DRIVE SMART |
| CONSTRUCTION SIGNS TOTAL | | | | 515 | | | |
| RELOCATED SIGNS TOTAL | | | | | | | |

| ITEM NUMBER | TOTAL QTY | DESCRIPTION |
|---|---|---|
| 612-20.08 | | IMPACT ATTENUATOR (8 SAND BARRELS) |
| 612-20.09 | | IMPACT ATTENUATOR (9 SAND BARRELS) |
| 612-20.10 | | IMPACT ATTENUATOR (10 SAND BARRELS) |
| 612-20.12 | | IMPACT ATTENUATOR (12 SAND BARRELS) |
| 612-20.14 | | IMPACT ATTENUATOR (14 SAND BARRELS) |
| 612-20.17 | | IMPACT ATTENUATOR (17 SAND BARRELS) |
| 612-20.19 | | IMPACT ATTENUATOR (19 SAND BARRELS) |
| 612-20.20 | | REPLACEMENT SAND BARREL |
| 612-20.30 | | IMPACT ATTENUATOR ARRAY (RELOCATION) |
| 612-30.00A | | TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA) |
| 616-10.07 | | SPEED LIMIT AND STROBE LIGHT ASSEMBLY |
| 616-10.08 | | ADVANCED WARNING RAIL SYSTEM |
| 616-10.09 | | FLAG ASSEMBLY |
| 616-10.20 | | CHANNELIZER (DRUM-LIKE) |
| 616-10.22 | | CHANNELIZER (CONES) |
| 616-10.24 | 110 | CHANNELIZER (TRIM LINE) WITH LIGHT |
| 616-10.25 | | CHANNELIZER (TRIM LINE) |
| 616-10.26 | | CHANNELIZER (VERTICAL PANEL) |
| 616-10.27 | | CHANNELIZER (VERTICAL PANEL) WITH LIGHT |
| 616-10.28 | | CHANNELIZER |
| 616-10.30 | 24 | TYPE III MOVEABLE BARRICADE |
| 616-10.31 | | TYPE III MOVEABLE BARRICADE WITH LIGHT |
| 616-10.33 | | DIRECTION INDICATOR BARRICADE |
| 616-10.34 | | DIRECTION INDICATOR BARRICADE, WITH LIGHT |
| 616-10.40 | | FLASHING ARROW PANEL |
| 616-10.47 | | TYPE III OBJECT MARKER |
| 616-10.51 | | WARNING LIGHT, TYPE A |
| 616-10.52 | | WARNING LIGHT, TYPE B |
| 616-10.53 | | WARNING LIGHT, TYPE C |
| 616-10.70 | | TUBULAR MARKER |
| 616-10.95 | | RADAR SPEED ADVISORY SYSTEM |
| 616-10.96 | | CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED |
| 616-10.98 | 2 | CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED/RETAINED |
| 616-11.00 | | CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED/COMMISSION RETAINED |
| 617-36.00D | | CONTRACTOR FURNISHED/RETAINED TEMPORARY TRAFFIC BARRIER |
| 617-36.02B | | CONTRACTOR FURNISHED/COMMISSION RETAINED TEMPORARY TRAFFIC BARRIER |
| 617-40.00A | | TEMPORARY TRAFFIC BARRIER HEIGHT TRANSITION |
| 617-50.10A | | RELOCATING TEMPORARY TRAFFIC BARRIER |
| 617-60.00B | | COMMISSION FURNISHED/RETAINED TEMPORARY TRAFFIC BARRIER |
| 617-70.00B | | COMMISSION FURNISHED/RETAINED TEMPORARY TRAFFIC BARRIER HEIGHT TRANSITION |
| 901-94.00 | | TEMPORARY LIGHTING |
| 902-94.00 | | TEMPORARY TRAFFIC SIGNALS |
| 902-94.01 | | TEMPORARY TRAFFIC SIGNALS AND LIGHTING |

(1) SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION – FHWA.

(2) REFER TO THE LATEST EDITION OF MUTCD PART VI BY THE U.S. DEPARTMENT OF TRANSPORTATION – FHWA FOR SIGN DEPICTION. ARROW, BORDERS AND SPACING SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION – FHWA.

(3) ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION – FHWA.

(4) USE OF A SUPPLEMENTAL PLATE FOR LINE 1 IS ACCEPTABLE.

(5) PLAQUE AND APPLICABLE REGULATORY SIGN MAY BE MANUFACTURED AS ONE SIGN.

GENERAL NOTES:

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION – FHWA, UNLESS SPECIFIED OTHERWISE.

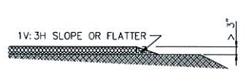
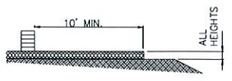
SIGN DIMENSIONS SHOWN ARE MINIMUM. NO ADDITIONAL PAYMENT WILL BE MADE IF CONTRACTORS USE LARGER SIGNS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR PLATES.

ALL PLAQUES SHALL HAVE A BORDER. PLATES SHALL NOT HAVE A BORDER.

## PAVEMENT EDGE TREATMENT DETAIL

LEGEND
- RIGID PAVEMENT
- FLEXIBLE PAVEMENT
- ALL PAVEMENT TYPES

| CROSS SECTION | CONDITION: DIFFERENTIAL | CONDITION: TIME | TREATMENT | SIGN: MAINLINE (2) | SIGN: SIDE ROAD (3) |
|---|---|---|---|---|---|
|   | PAVEMENT EDGE DIFFERENTIAL > 3" | NON-WORKING HOURS | WEDGE SLOPE TO 1V:3H OR FLATTER | SHOULDER DROP-OFF W08-17 (4)(5) W08-17p (8) | BUMP W08-1 (4) |
| | | WORKING HOURS | DELINEATE DIFFERENTIAL W/ CHANNELIZERS | | |
|   | ANY PAVEMENT EDGE OR LANE LINE DIFFERENTIAL | NON-WORKING & WORKING HOURS WHERE PLANS REQUIRE ADJACENT LANE CLOSURE W/ CHANNELIZATION OR PARTIAL LANE CLOSURE W/ BARRIER. | NO EDGE TREATMENT REQUIRED | NO SIGNS REQUIRED | NO SIGNS REQUIRED |

(1) SIGNS SHALL BE VISIBLE TO TRAFFIC ONLY WHEN AND WHERE CONDITIONS EXIST.
(2) SIGNS SHALL BE SPACED AT APPROXIMATELY ONE MILE INTERVALS AND LOCATED WITHIN 150 FT. BEYOND ANY STATE ROADS. WHEN A SIGN PLACED AT THE ONE MILE INTERVAL FALLS WITHIN 1/2 MILE OF A SIGN PLACED AFTER AN INTERSECTION, THE SIGN PLACED AT THE 1/2 MILE INTERVAL MAY BE OMITTED. WHEN LOW SHOULDER/SHOULDER DROP-OFF SIGNS WITH UNEVEN LANES ARE BOTH SPECIFIED, ALTERNATING SIGN MESSAGES SHALL BE USED AT 1 MILE SPACINGS.
(3) ON SIDE ROADS WITH POSTED SPEED OF 45 MPH OR GREATER, SIGNS SHALL BE PLACED 150 FT. IN ADVANCE OF INTERSECTION WITH MAINLINE.
(4) SIGNS SHALL BE LOCATED ON THE SIDE OF THE ROADWAY WHERE THE PAVEMENT EDGE DIFFERENTIAL EXISTS, ON TWO-LANE UNDIVIDED HIGHWAYS, BACK-TO-BACK SIGNS SHALL BE PROVIDED ON THE SIDE OF THE ROADWAY, WHERE THE PAVEMENT EDGE DIFFERENTIAL EXISTS. "BACK TO BACK" SIGNS SHALL BE SEPARATED BY 7-10 FEET.
(5) SIGNS TO REMAIN VISIBLE UNTIL SHOULDER SHAPING IS COMPLETE.
(6) SIGNS SHALL BE LOCATED ON RIGHT SIDE OF NON-DIVIDED HIGHWAYS AND ON BOTH SIDES OF DIVIDED HIGHWAYS WHERE A LANE LINE DIFFERENTIAL EXISTS.
(7) WHEN THE SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.

FEDERAL AID PROJECT NO. TDG-3200(718) PROJECT 3

CITY OF Joplin

CITY OF JOPLIN, MISSOURI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

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

| REV DATE: | REVISION: |
|---|---|
| 9/10/2012 | CREATED SHEET |

SVYD BY: ANDERSON
PNT FILE: W 26TH ST.TXT
SVY DATE: 5/2010
ENGINEER: HERTZBERG

ACAD DWG FILE & PATH NAME: 26SCHIFFML\26SCHIFFMLTRAFFIC3
SCALES: N/A N/A

DWN BY: STAFF
CKD BY: BRADLEY
APD BY: SCHALLER
DATE: 9/2012

PROJECT
TRAFFIC CONTROL PLANS - WIDENING OF 26TH ST - SCHIFFERDECKER TO MAIDEN LANE

PLAN NO: 8459
SHEET 27 of 27