

EL CHAPARRAL AVE. ENTRANCE CONTROL POINTS

| POINT # | NORTHING | EASTING | ELEV. |
|---------|--------------|--------------|---------|
| 35 | 1130202.5678 | 1704224.8114 | 777.972 |
| 36 | 1130636.5400 | 1704690.7302 | 783.567 |

EL CHAPARRAL AVE. ENTRANCE CENTERLINE FINISHED GRADE POINTS

| POINT # | STA. | NORTHING | EASTING | ELEV. |
|---------|--------------------|--------------|--------------|-------------------|
| A | 0+60.42 | 1130477.2472 | 1704525.0439 | 780.16 |
| B | 0+80.59 | 1130490.7556 | 1704540.0113 | 780.59 |
| C | 0+91.80 | 1130498.5749 | 1704548.0482 | 780.83 |
| D | 1+08.01 | 1130510.4571 | 1704559.0729 | 781.19 |
| E | 1+17.99 | 1130518.1153 | 1704565.4831 | 781.40 |
| F | 1+50 | 1130543.6748 | 1704584.7467 | 782.09 |
| G | 1+75 | 1130563.6396 | 1704599.7936 | 782.63 |
| H | 1+91.47 (BVC) | 1130576.7923 | 1704609.7066 | 782.99 |
| I | 2+25 | 1130603.5690 | 1704629.8875 | 783.43 |
| J | 2+54.79 (HIGH PT.) | 1130627.3589 | 1704647.8175 | 783.67 |
| K | 2+75 | 1130643.4984 | 1704659.9814 | 783.51 |
| L | 2+91.47 (EVC) | 1130656.6511 | 1704669.8943 | 783.44 |
| M | 3+12 | 1130673.0461 | 1704682.2509 | 783.19 |
| N | 3+23.28 | 1130682.1094 | 1704689.0817 | 783.05 (EXISTING) |

EL CHAPARRAL AVE. ENTRANCE EAST BACK OF CURB POINTS

| POINT # | NORTHING | EASTING | ELEV. | GUTTERLIP ELEV. |
|---------------|--------------|--------------|--------|-------------------|
| EA | 1130563.2368 | 1704628.8384 | 782.89 | 782.60 (EXISTING) |
| EB (BVC) | 1130578.7228 | 1704641.0388 | 783.24 | 782.94 (EXISTING) |
| EC | 1130594.4016 | 1704653.3910 | 783.51 | 783.21 (EXISTING) |
| ED (HIGH PT.) | 1130613.5052 | 1704668.4415 | 783.62 | 783.32 (EXISTING) |
| EE (EVC) | 1130633.7085 | 1704684.3583 | 783.49 | 783.19 (EXISTING) |
| EF | 1130645.7358 | 1704693.8338 | 783.34 | 783.04 (EXISTING) |
| EG | 1130652.6773 | 1704704.3672 | 783.19 | 782.89 (EXISTING) |
| EH | 1130651.9330 | 1704716.9602 | 782.70 | 782.75 (EXISTING) |
| EI | 1130650.8206 | 1704719.7463 | 782.70 | 782.75 (EXISTING) |
| EJ | 1130643.3327 | 1704738.4999 | 783.00 | 783.05 (EXISTING) |
| EK | 1130639.6430 | 1704747.7410 | 782.87 | - |

EL CHAPARRAL AVE. ENTRANCE WEST BACK OF CURB POINTS

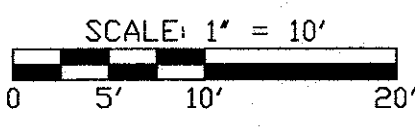
| POINT # | NORTHING | EASTING | ELEV. | GUTTERLIP ELEV. |
|---------------|--------------|--------------|----------|-------------------|
| WA | 1130592.4298 | 1704597.2040 | 783.16 | 782.66 (EXISTING) |
| WB (BVC) | 1130603.4092 | 1704604.6163 | EXISTING | 782.89 (EXISTING) |
| WC | 1130620.1227 | 1704615.8178 | EXISTING | 783.16 (EXISTING) |
| WD (HIGH PT.) | 1130638.6970 | 1704628.2664 | 783.57 | 783.27 (EXISTING) |
| WE | 1130653.3503 | 1704638.0872 | 783.50 | 783.20 (EXISTING) |
| WF | 1130667.4842 | 1704647.5599 | 783.32 | 783.02 (EXISTING) |
| WG (EVC) | 1130673.9034 | 1704650.6755 | 783.19 | 782.89 (EXISTING) |
| WH | 1130684.0075 | 1704651.7309 | 783.00 | 782.70 (EXISTING) |
| WI | 1130699.3651 | 1704644.3442 | 782.66 | 782.36 (EXISTING) |
| WJ | 1130715.6595 | 1704627.6965 | 781.90 | 781.95 (EXISTING) |
| WK | 1130722.6529 | 1704620.5515 | 781.58 | - |

EL CHAPARRAL ENTRANCE PLAN NOTES:

- INSTALL 9" STRAW WATTLES IN EXISTING DRAINAGE DITCHES PRIOR TO ANY WORK TAKING PLACE. SEE "EL CHAPARRAL ENTRANCE GRADING PLAN" FOR MORE DETAILS.
- A MODOT RIGHT-OF-WAY PERMIT WILL BE REQUIRED FOR WORK INSIDE MODOT RIGHT-OF-WAY. BOONE COUNTY WILL BEGIN THE INITIAL PERMIT APPLICATION WITH THE CONTRACTOR BEING RESPONSIBLE FOR FINAL SIGN OFF AND ATTAINMENT OF THE PERMIT. THIS MAY INCLUDE, BUT NOT LIMITED TO, SUBMITTING TO MODOT, FOR APPROVAL, A TRAFFIC CONTROL PLAN FOR ANY LANE CLOSURES OR DETOURS ON HWY WW.
- MAKE FULL DEPTH SAW CUT IN EXISTING CONCRETE PAVEMENT. CUT SHALL RUN PARALLEL TO BACK OF CURB AND SHALL BE 30" FROM BACK OF CURB.
- MAKE FULL DEPTH SAW CUT IN EXISTING ROAD JUST NORTH OF REFLECTIVE CRACK. THIS JOINT FACE SHALL BE CLEANED AND TACK OIL SHALL BE APPLIED PRIOR TO PROPOSED ASPHALT INSTALLATION.
- REMOVE EXISTING ROLLBACK CURB AND GUTTER. CONSTRUCT NEW CURB AND GUTTER PER "ROLLBACK CURB REPAIR DETAIL." CONTRACTOR SHALL CONSTRUCT NEW CURB AND GUTTER AT EXISTING ELEVATIONS EXCEPT FOR THOSE AREAS AS CALLED OUT ON THIS PLAN.
- REMOVE EXISTING BARRIER CURB AND GUTTER. CONSTRUCT NEW CURB AND GUTTER PER "BARRIER CURB REPAIR DETAIL." CONTRACTOR SHALL CONSTRUCT NEW CURB AND GUTTER AT EXISTING ELEVATIONS EXCEPT FOR THOSE AREAS AS CALLED OUT ON THIS PLAN.
- BLEND CURB AND GUTTER INTO EXISTING BARRIER CURB PER "PARKING LOT WING DETAIL."
- SAW CUT ALONG EXISTING CONTROL JOINTS AND REMOVE EXISTING CONCRETE PANEL. EXCAVATE 4" OF SUBGRADE AND INSTALL 4" THICK, 1 1/2" MINUS AGGREGATE BASE LAYER. DRILL AND EPOXY #4 BARS, 15" LONG, 24" O.C. ALONG SOUTH AND WEST JOINTS. DO NOT INSTALL TIE BARS INTO CURB AND GUTTER ON EAST SIDE.
- RUBBERIZED EXPANSION MATERIAL, 1/2" THICK, SHALL BE INSTALLED BEHIND CURB AND GUTTER REPAIR SECTIONS AT DRIVEWAYS.
- MEASURE AND RECORD THE HEIGHT FROM TOP OF EXISTING CONCRETE ISLAND TO BOTTOM OF EXISTING SIGNS. REMOVE SIGNS AND STORE FOR LATER USE. REMOVE PERFORATED TUBING AND RETURN TO BOONE COUNTY REPRESENTATIVE OR BOONE COUNTY ROAD & BRIDGE DEPT. INSTALL NEW POSTS PER "CONCRETE ISLAND SIGN DETAIL."
- MEASURE AND RECORD HEIGHT OF EXISTING STOP SIGN. REMOVE AND SAVE EXISTING STOP SIGN AND STREET NAME SIGN ATTACHED TO SQUARE POST. REMOVE EXISTING WOOD POST. INSTALL NEW POST PER "STOP SIGN POST DETAIL." IN LOCATION AS INDICATED ON "EL CHAPARRAL ENTRANCE STRIPING PLAN." REINSTALL STOP SIGN AND SQUARE POST WITH STREET NAME SIGN ONTO NEW POST.
- REMOVE EXISTING CONCRETE PAVEMENT AND CONCRETE ISLAND. EXCAVATE AND COMPACT SUBGRADE, INSTALL HIGH STRENGTH WOVEN GEOTEXTILE, & AGGREGATE BASE LAYER PER "STANDARD ASPHALT ROAD SECTION DETAIL." SEE SPECIAL PROVISIONS FOR DETAILED CONSTRUCTION SPECIFICATIONS.
- CONSTRUCT PER "WEST ROAD WING DETAIL."
- CONSTRUCT PER "EAST ROAD WING DETAIL."
- INSTALL FULL DEPTH ASPHALT PAVEMENT PER "EL CHAPARRAL ENTRANCE ROAD SECTION DETAIL" AND SPECIAL PROVISIONS. CONTRACTOR SHALL CONSTRUCT THE ASPHALT ROAD TO THE FINISHED GRADE ELEVATIONS GIVEN IN THIS PLAN. AREAS WHICH MAY NOT PROVIDE POSITIVE DRAINAGE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- CONSTRUCT PROPOSED CONCRETE ISLAND PER "CONCRETE ISLAND DETAIL."
- REGRADE EXISTING MODOT RIGHT-OF-WAY PER "EL CHAPARRAL AVE. ENTRANCE GRADING PLAN."
- REGRADE NEW EAST DRAINAGE DITCH PER "EL CHAPARRAL AVE. ENTRANCE GRADING PLAN."
- PAINT NEW PAVEMENT MARKINGS PER "EL CHAPARRAL AVE. ENTRANCE STRIPING PLAN."
- BLOW CLEAN ALL DEBRIS IN THE FOLLOWING JOINTS AND CRACK SEAL WITH A HOT POURED RUBBERIZED COMPOUND, SUCH AS Crafco POLYFLEX TYPE 2 OR APPROVED EQUAL: JOINTS BETWEEN EXISTING CURB AND GUTTER AND NEW CURB AND GUTTER REPAIRS, CONTROL JOINTS IN NEW CURB AND GUTTER REPAIRS, AND CONTROL JOINTS IN PROPOSED CONCRETE ISLAND.

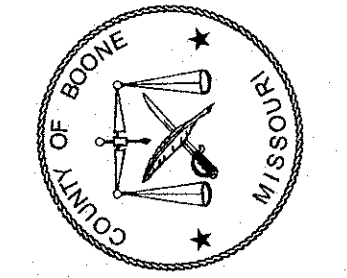
CASEY'S MARKETING CO.
101 S. EL CHAPARRAL AVE.
(PO BOX 300)

NEW HORIZONS METHODIST
CHURCH INC.
1020 S. EL CHAPARRAL AVE.



STREET REHAB - 2019
EL CHAPARRAL SUBDIVISION
EL CHAPARRAL AVE. ENTRANCE PLAN

Boone County Resource
Management Department
Engineering Division
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Columbia, Missouri 65201
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STATE OF MISSOURI
MICHAEL JOEL TAYLOR
NUMBER PE-2013019123
PROFESSIONAL ENGINEER
MICHAEL J. TAYLOR
PROFESSIONAL ENGINEER
MO LIC. #PE-2013019123

REVISIONS

| NO. | DATE |
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DATE
JAN. 2019

JOB NUMBER

SCALE
1"=10'

SHEET
18
18 OF 24