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| 6 | ARK. | | | |
| JOB NO. | | 090384 | 1 | 151 |

(2) PEA RIDGE NATIONAL MILITARY PARK MITIGATION (S)

PERI 152541 DRAWING NO. 409/150019

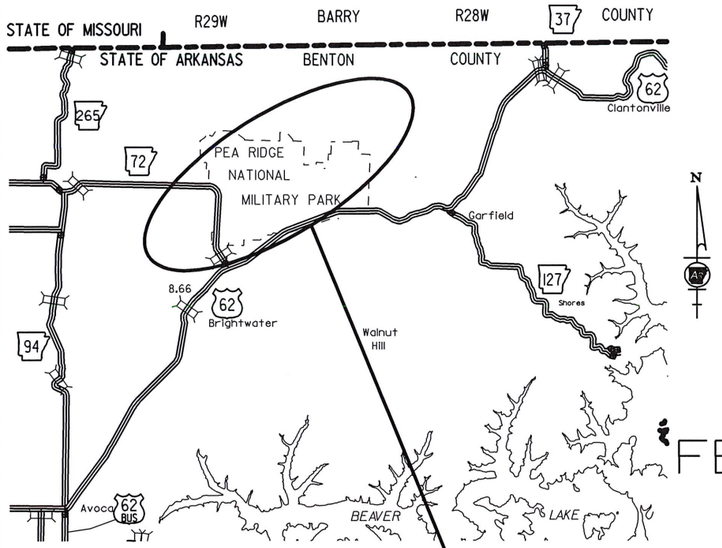
ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS FOR NATIONAL PARK SERVICE

# PEA RIDGE NATIONAL MILITARY PARK MITIGATION (S)

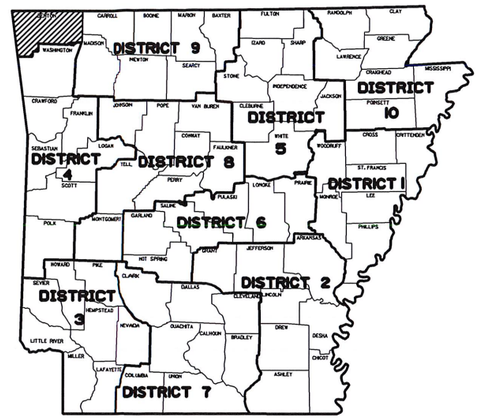
BENTON COUNTY

## JOB 090384

FED. AID PROJ. STPF-CA-0004(67)




VICINITY MAP

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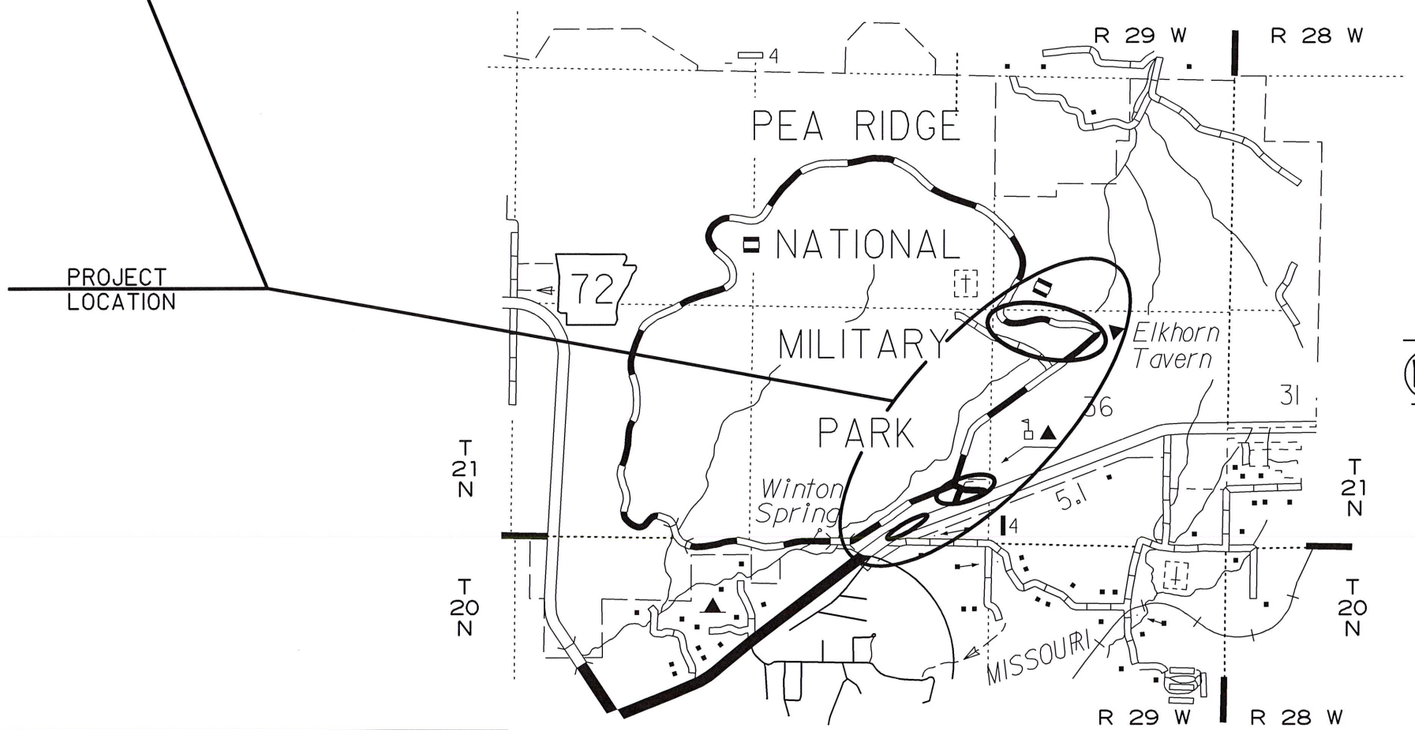


• DESIGN TRAFFIC DATA •

| | |
|---|---|
| DESIGN YEAR | 2040 |
| 2020 ADT | 100 |
| 2040 ADT | 130 |
| 2040 DHV | 14 |
| DIRECTIONAL DISTRIBUTION | 0.60 |
| TRUCKS | 1% |
| DESIGN SPEED | |
| PARK ROAD ENTRANCE TWO-WAY | 25 |
| PARK ROAD VISITOR ENTRANCE TWO-WAY | 25 |
| PARK ROAD VISITOR ENTRANCE ONE-WAY | 15 |
| PARK TOUR ROAD ONE-WAY | 25 |
| ELKHORN TAVERN TWO TRACK | 15 |

| | BEGIN PROJECT | MID-POINT OF PROJECT | END PROJECT |
|---|---|---|---|
| LATITUDE | N 36°26′22" | N 36°27′10" | N 36°26′49" |
| LONGITUDE | W 94°01′56" | W 94°01′11" | W 94°00′24" |

NO NET LENGTH INVOLVED

| | | | | | | |
|---|---|---|---|---|---|---|
| GROSS LENGTH OF PROJECT | | 000.00 | FEET | OR | 0.000 | MILES |
| NET | " " | ROADWAY | 000.00 | " | 0.000 | " |
| NET | " " | BRIDGES | 000.00 | " | 0.000 | " |
| NET | " " | PROJECT | 000.00 | " | 0.000 | " |

P.E. JOB 090204

CERTIFICATE OF AUTHORIZATION
CRAFTON, TULL & ASSOCIATES, INC.
No. 109
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-22-2020
HUBERT BURNS

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\misc\r090384 TL.dgn
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| | | | | JOB NO. | | 090384 | 2 | 151 |

(2) INDEX OF SHEETS AND STANDARD DRAWINGS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-01-2020

# INDEX OF SHEETS


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| 2 | | INDEX OF SHEETS AND STANDARD DRAWINGS |
| 3 | | GOVERNING SPECIFICATIONS AND GENERAL NOTES |
| 4 | | LEGEND |
| 5 - 8 | | TYPICAL SECTIONS OF IMPROVEMENT |
| 9 - 15 | | SPECIAL DETAILS |
| 16 - 25 | | TEMPORARY EROSION CONTROL DETAILS |
| 26 - 28 | | MAINTENANCE OF TRAFFIC DETAILS |
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| 31 - 35 | | QUANTITIES |
| 36 | | SUMMARY OF QUANTITIES AND REVISIONS |
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| 43 - 46 | | STAKING PLANS |
| 47 | | PARK LAYOUT |
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| 50 | | ACCESSIBLE PARKING LAYOUT AND ROAD TAPER TRANSITIONS - SITE 1 |
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| 53 | | SIDEWALK AND RESTROOM PLAZA - SITE 1 - ELKHORN TAVERN |
| 54 | | PLAN AND PROIFLE - SITE 1 - TOUR ROAD |
| 55 | | PLAN AND PROFILE - SITE 1 - ELKHORN TAVERN TWO TRACK |
| 56 | | DEMOLITION PLAN - SITE 1 - ELKHORN TAVERN PARKING |
| 57 | | DEMOLITION PLAN - SITE 1 - TOUR ROAD |
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| 59 | | PLAN AND PROFILE - SITE 3 - VISITOR CENTER PARK ENTRANCE ROAD |
| 60 | | PROPOSED EASEMENT PLAN - SITE 3 - VISITOR CENTER |
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| 66 | | ACCESSIBLE PARKING LAYOUT AND ROAD TAPER TRANSITIONS - SITE 3 |
| 67 | | SIDEWALK AND RAMP - SITE 3 - AT HEADQUARTERS |
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| 74 | | SIDEWALK AND RAMP - SITE 3 AT HEADQUARTERS |
| 75 | | SIDEWALK AND PLAZA - SITE 3 AT VISITOR CENTER |
| 76 - 77 | | PLAN AND PROFILE - SITE 3 - STORM DRAINAGE |
| 78 | | DEMOLITION PLAN - SITE 3 - VISITOR CENTER PARKING |
| 79 | | PLAN - SITE - HORSE TRAILER PARKING |
| 80 | | GRADING PLAN - SITE 4 - HORSE TRAILER PARKING |
| 81 | | PLAN AND PROFILE - SITE 4 - HORSE MOUNTING WALL AND BARRIER |
| 82 | | DEMOLITION PLAN - SITE 4 - HORSE TRAILER PARKING |
| 83 - 85 | | DEMOLITION PLAN - SITE 5 - ABANDONED HWY. 62 ROADBED |
| 86 - 151 | | CROSS SECTIONS |


NOTE: CROSS SECTIONS NOT NORMALLY INCLUDED IN PLANS SOLD TO PROSPECTIVE BIDDERS, BUT MAY BE HAD UPON REQUEST.

## ROADWAY STANDARD DRAWINGS

| DRWG.NO. | TITLE | DATE |
|---|---|---|
| CG-1 | CURBING DETAILS | 11-29-07 |
| FES-2 | FLARED END SECTION | 10-18-96 |
| FPC-9 | DETAILS OF DROP INLETS & JUNCTION BOXES | 11-16-01 |
| FPC-9M | DETAILS OF DROP INLET (TYPE MO) | 08-22-02 |
| PCC-1 | CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING | 02-27-14 |
| PM-1 | PAVEMENT MARKING DETAILS | 02-27-20 |
| SHS-1 | STANDARD HIGHWAY SIGNS AND SUPPORTS ASSEMBLIES | 09-12-13 |
| SHS-2 | U-CHANNEL POST ASSEMBLIES | 07-25-19 |
| SI-1 | DETAILS OF SPECIAL ITEMS | 10-25-18 |
| SI-2 | REINFORCED CONCRETE RETAINING WALL (WITHOUT LIVE LOAD SURCHARGE) | 05-14-20 |
| TC-1 | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION | 11-07-19 |
| TC-2 | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION | 11-07-19 |
| TC-3 | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION | 02-27-20 |
| TEC-1 | TEMPORARY EROSION CONTROL DEVICES | 11-16-17 |
| TEC-3 | TEMPORARY EROSION CONTROL DEVICES | 11-03-94 |

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INDEX OF SHEETS AND STANDARD DRAWINGS

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(2) GOVERNING SPECIFICATIONS AND GENERAL NOTES

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
10-22-2020
HUBERT BURNS

## GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

| NUMBER | TITLE |
|---|---|
| ERRATA_____ | ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS |
| FHWA-1273__ | REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS |
| FHWA-1273__ | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS |
| FHWA-1273__ | SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140) |
| FHWA-1273__ | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES |
| FHWA-1273__ | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS |
| FHWA-1273__ | SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS |
| FHWA-1273__ | SUPPLEMENT - WAGE RATE DETERMINATION |
| 100-3_____ | CONTRACTOR'S LICENSE |
| 100-4_____ | DEPARTMENT NAME CHANGE |
| 102-2_____ | ISSUANCE OF PROPOSALS |
| 108-1_____ | LIQUIDATED DAMAGES |
| 108-2_____ | WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER |
| 110-1_____ | PROTECTION OF WATER QUALITY AND WETLANDS |
| 210-1_____ | UNCLASSIFIED EXCAVATION |
| 303-1_____ | AGGREGATE BASE COURSE |
| 306-1_____ | QUALITY CONTROL AND ACCEPTANCE |
| 400-1_____ | TACK COATS |
| 400-4_____ | DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES |
| 400-5_____ | PERCENT AIR VOIDS FOR ACHM MIX DESIGNS |
| 400-6_____ | LIQUID ANTI-STRIP ADDITIVE |
| 400-7_____ | TRACKLESS TACK |
| 404-3_____ | DESIGN OF ASPHALT MIXTURES |
| 410-1_____ | CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES |
| 410-2_____ | DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS |
| 600-2_____ | INCIDENTAL CONSTRUCTION |
| 603-1_____ | LANE CLOSURE NOTIFICATION |
| 604-1_____ | RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES |
| 604-3_____ | TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH) |
| 620-1_____ | MULCH COVER |
| 621-1_____ | FILTER SOCKS |
| 633-1_____ | CONCRETE WALKS, CONCRETE STEPS, AND HAND RAILING |
| 634-1_____ | CURBING |
| 723-1_____ | GENERAL REQUIREMENTS FOR SIGNS |
| 729-1_____ | CHANNEL POST SIGN SUPPORT |
| JOB 090384__ | ARCHITECTURAL FINISH (CAST-IN PLACE RETAINING WALLS) |
| JOB 090384__ | BIDDING REQUIREMENTS AND CONDITIONS |
| JOB 090384__ | BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT |
| JOB 090384__ | BROADBAND INTERNET SERVICE FOR FIELD OFFICE |
| JOB 090384__ | CANTILEVER CHAIN LINK GATE ASSEMBLY WITH BARBED WIRE |
| JOB 090384__ | CAR BAY MARKING DOTS |
| JOB 090384__ | CARGO PREFERENCE ACT REQUIREMENTS |
| JOB 090384__ | CAVE DISCOVERY |
| JOB 090384__ | CONCRETE FLUME |
| JOB 090384__ | CONCRETE PULL BOX |
| JOB 090384__ | DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES |
| JOB 090384__ | EROSION CONTROL BLANKET |
| JOB 090384__ | EXPOSED AGGREGATE CONCRETE WALKS |
| JOB 090384__ | GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION |
| JOB 090384__ | HAND RAILING (TYPE SPECIAL) |
| JOB 090384__ | HEADWALLS |
| JOB 090384__ | MANDATORY ELECTRONIC CONTRACT |
| JOB 090384__ | MANDATORY ELECTRONIC DOCUMENT SUBMITTAL |
| JOB 090384__ | NATIONAL PARK SERVICE SPECIAL CONDITIONS |
| JOB 090384__ | OBLITERATION OF EXISTING ROADWAY |
| JOB 090384__ | OFF-SITE RESTRAINING CONDITIONS FOR INDIANA AND NORTHERN LONG-EARED BATS |
| JOB 090384__ | REMOVING AND REPLACING TOPSOIL |
| JOB 090384__ | RETAINING WALLS |
| JOB 090384__ | SEQUENCE OF CONSTRUCTION |
| JOB 090384__ | SHORING FOR CULVERTS |
| JOB 090384__ | SIDEWALK UNDERDRAIN |
| JOB 090384__ | SOIL STABILIZATION |
| JOB 090384__ | SPECIAL CLEARING PUP SEASON REQUIREMENTS |
| JOB 090384__ | SPECIAL SEEDING REQUIREMENTS |
| JOB 090384__ | STORM WATER POLLUTION PREVENTION PLAN |
| JOB 090384__ | SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS |
| JOB 090384__ | TEMPORARY FENCE |
| JOB 090384__ | UTILITY ADJUSTMENTS |
| JOB 090384__ | VALUE ENGINEERING |
| JOB 090384__ | WARM MIX ASPHALT |
| JOB 090384__ | WELDED PIPE FENCE |
| JOB 090384__ | WHEEL STOPS |
| JOB 090384__ | WHEELCHAIR RAMPS (TYPE SPECIAL) |

## GENERAL NOTES

1. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
2. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
4. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
5. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE PROTECTED AND CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO VEGETATION APPROVED BY ENGINEER TO REMAIN.
6. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
7. THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. THIS PROJECT IS COVERED UNDER A SECTION 404 NATIONWIDE 14 PERMIT. REFER TO SECTION 110 OF THE STANDARD SPECIFICATIONS, EDITION OF 2014, FOR PERMIT REQUIREMENTS.
9. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION AND ARDOT STANDARD DRAWINGS OR DETAILS UNLESS NOTED OTHERWISE.
10. EXISTING SIGNS AT THE ELKHORN TAVERN PARKING AREA (SITE 1), THE VISITOR CENTER PARKING AREA (SITE 3) AND HORSE TRAILER PARKING AREA (SITE 4) SHOWN TO BE REMOVED SHALL BE THE PROPERTY OF THE NATIONAL PARK SERVICE.
11. SEED AND MULCH PER CONTRACT AS APPROVED BY ENGINEER.
12. JOINTING FOR ALL CONCRETE SURFACES SHALL BE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE ARDOT STANDARD DETAILS FOR HIGHWAY CONSTRUCTION, 2014 EDITION UNLESS NOTED OTHERWISE.
13. ALL CURB & GUTTER SHALL BE ARDOT TYPE A UNLESS SHOWN OTHERWISE. ALL CURB AT THE HORSE TRAILER PARKING AREA SHALL BE TYPE B UNLESS SHOWN OTHERWISE.
14. WHEELCHAIR RAMPS (INCLUDING CAST IRON TACTILE PANELS/WARNING DEVICES) SHALL BE CONSTRUCTED AS SHOWN IN THE PLANS.
15. ALL STRIPING SHALL BE REFLECTORIZED PAINT PAVEMENT MARKINGS AND SHALL BE IN ACCORDANCE WITH SECTION 718 OF THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION UNLESS NOTED OTHERWISE. THE COLOR AND WIDTH OF STRIPING SHALL BE AS SHOWN ON THE PLANS.
16. ALL SIGNAGE WITHIN THE PARKING AREAS SHALL BE MOUNTED ON AN ARDOT TYPE A CHANNEL POST SIGN SUPPORT ASSEMBLY. SIGNAGE SHALL INCLUDE ACCESSIBLE PARKING SIGNS AND REGULATORY SIGNS. BOTH SIGNAGE AND MOUNTING SHALL BE IN ACCORDANCE WITH THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION AND MUST BE APPROVED BY THE NATIONAL PARK SERVICE.
17. RETAINING WALLS CONSTRUCTED FOR THE HORSE MOUNTING BLOCK AREA OF THE HORSE TRAILER PARKING AREA SHALL BE PER ARDOT STANDARD DRAWING SI-2 IN ACCORDANCE WITH THE ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION. PROVIDE SHOP DRAWINGS FOR ENGINEER'S APPROVAL.

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# GOVERNING SPECIFICATIONS AND GENERAL NOTES

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(2) LEGEND

PERI 152541 DRAWING NO. 409/150019

# LEGEND (EXISTING SYMBOLS)

| SYMBOLS | |
|---|---|
| | FOUND IRON PIN |
| | LIGHT POLE |
| | POWER POLE |
| | TELEPHONE PEDESTAL |
| | TV PEDESTAL |
| | MANHOLE |
| | SANITARY SEWER CLEANOUT |
| | GAS METER |
| | GAS VALVE |
| | STORM SEWER PIPE |
| | DOWN GUY |
| | WATER VALVE |
| | FIRE HYDRANT ASSEMBLY |
| | AIR RELEASE VALVE |
| | FIRE DEPARTMENT CONNECTION |
| | WATER METER |
| | SPRINKLER HEAD |
| | ELECTRIC PEDESTAL |
| | GRATED INLET |
| | DROP INLET |
| | TREE |
| | TREE TO BE REMOVED |

| LINEWORK |
|---|
| EASEMENT |
| CURB |
| INTERMEDIATE CONTOUR 1206 |
| INDEX CONTOUR 1205 |
| SANITARY SEWER LINE SS |
| GAS LINE G |
| WATER LINE (SPECIFY SIZE & TYPE) W |
| UNDERGROUND TELEPHONE UGT |
| UNDERGROUND ELECTRIC UGE |
| OVERHEAD ELECTRIC OHE |
| UNDERGROUND TELEVISION UGTV |
| OVERHEAD TELEVISION OHTV |
| CHAIN LINK FENCE |
| WOOD FENCE |
| BARBED WIRE FENCE X |
| FIBER OPTIC |
| RIGHT OF WAY |
| ROAD CENTERLINE |
| EXISTING DRAINAGE/DITCH |

# LEGEND (CONSTRUCT)

| SYMBOLS | |
|---|---|
| | SET IRON PIN |
| | LIGHT POLE |
| | POWER POLE |
| | TELEPHONE PEDESTAL |
| | TV PEDESTAL |
| | MANHOLE |
| | SANITARY SEWER CLEANOUT |
| | GAS METER |
| | GAS VALVE |
| | STORM SEWER PIPE |
| X-X | STRUCTURE NUMBER |
| | WATER VALVE |
| | FIRE HYDRANT ASSEMBLY |
| | AIR RELEASE VALVE |
| | FIRE DEPARTMENT CONNECTION |
| | WATER METER |
| | BACK FLOW PREVENTER |
| | REDUCER |
| | RECTANGULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET) |
| | CIRCULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET) |
| | STANDARD PULL BOX ARDOT DRAWING SD-6 TYPE 1 |
| | HEAVY DUTY PULL BOX ARDOT DRAWING SD-6 TYPE 2 |

| LINEWORK |
|---|
| EASEMENT |
| CURB |
| INTERMEDIATE CONTOUR 1206 |
| INDEX CONTOUR 1205 |
| SANITARY SEWER LINE |
| GAS LINE |
| WATER LINE |
| UNDERGROUND TELEPHONE |
| UNDERGROUND ELECTRIC |
| OVERHEAD ELECTRIC |
| FIBER OPTIC |
| UNDERGROUND TELEVISION |
| OVERHEAD TELEVISION OHTV |
| CHAIN LINK FENCE |
| WOOD FENCE |
| BARBED WIRE FENCE X |
| BUILDING SET BACK |
| RIGHT OF WAY |
| PROPERTY LINE |
| ROAD CENTERLINE |
| CONSTRUCTION LIMITS |
| TEMPORARY CONSTRUCTION EASEMENT |
| UGC-2" UGC-2" UNDERGROUND CONDUIT – ELECTRICAL |
| UGC-1" UGC-1" UNDERGROUND CONDUIT – CCTV |

## GRADING PLAN SPOT ELEVATIONS

| | |
|---|---|
| FG | FINISHED GRADE |
| TW | TOP WALL |
| BW | BOTTOM WALL |
| ℄ | FLOW LINE |
| TC | TOP CURB |
| G | GUTTER |
| SW | SIDEWALK |
| TP | TOP PAVEMENT |
| ×<> | EXISTING GRADE |

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

NOTE:
TYPICAL LEGEND LINES AND SYMBOLS

# PAVING LEGEND

LINEWORK

CURB (TO BE RMOVED)

CONCRETE SIDEWALK

CONCRETE PAVING

REGULAR DUTY ASPHALT

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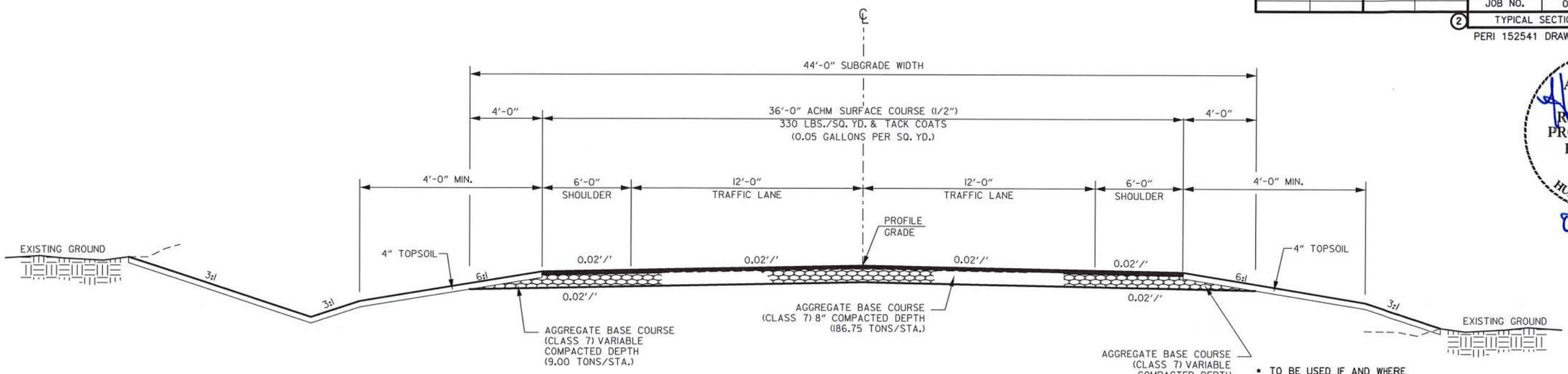
(2) TYPICAL SECTIONS OF IMPROVEMENT

PERI 152541 DRAWING NO. 409/150019




## TANGENT SECTION
## PARK ENTRANCE ROAD
## FULL DEPTH
SITE 2 STA. 10+31.50 TO STA. 10+59.50

## TYPICAL SECTION NOTES:

1. THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.
2. REFER TO CROSS SECTIONS FOR DEVIATIONS FROM THE NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.

STATE OF ARKANSAS
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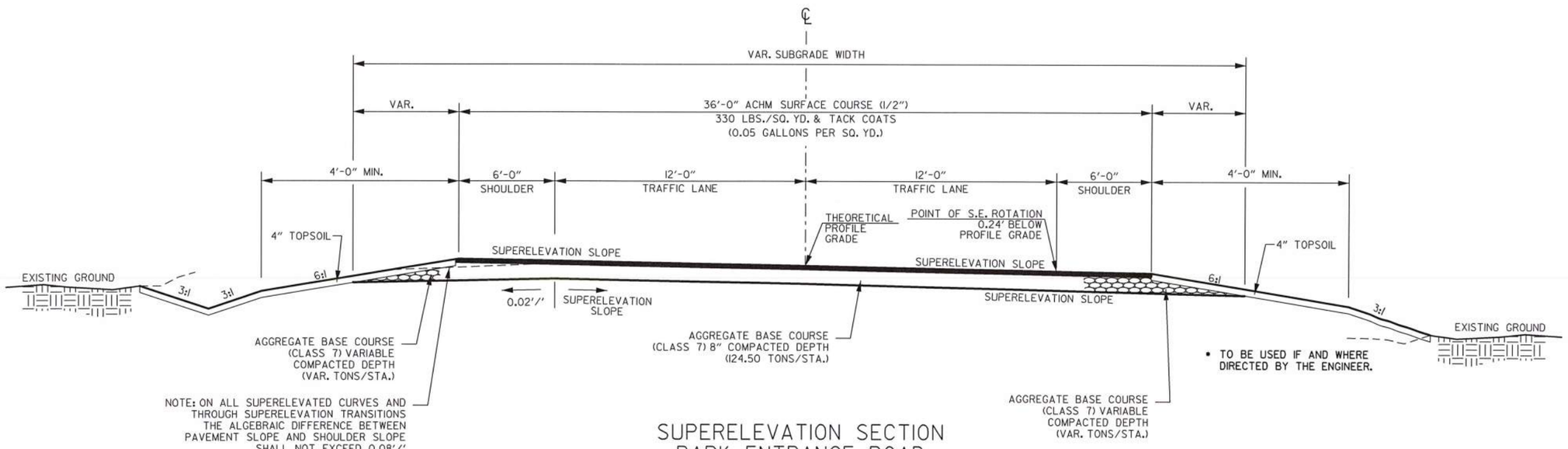
No. 9620
HUBERT BURNS
09-09-2020




## SUPERELEVATION SECTION
## PARK ENTRANCE ROAD
## FULL DEPTH
SITE 2 STA. 10+59.50 TO STA. 13+50.00

# TYPICAL SECTIONS OF IMPROVEMENT

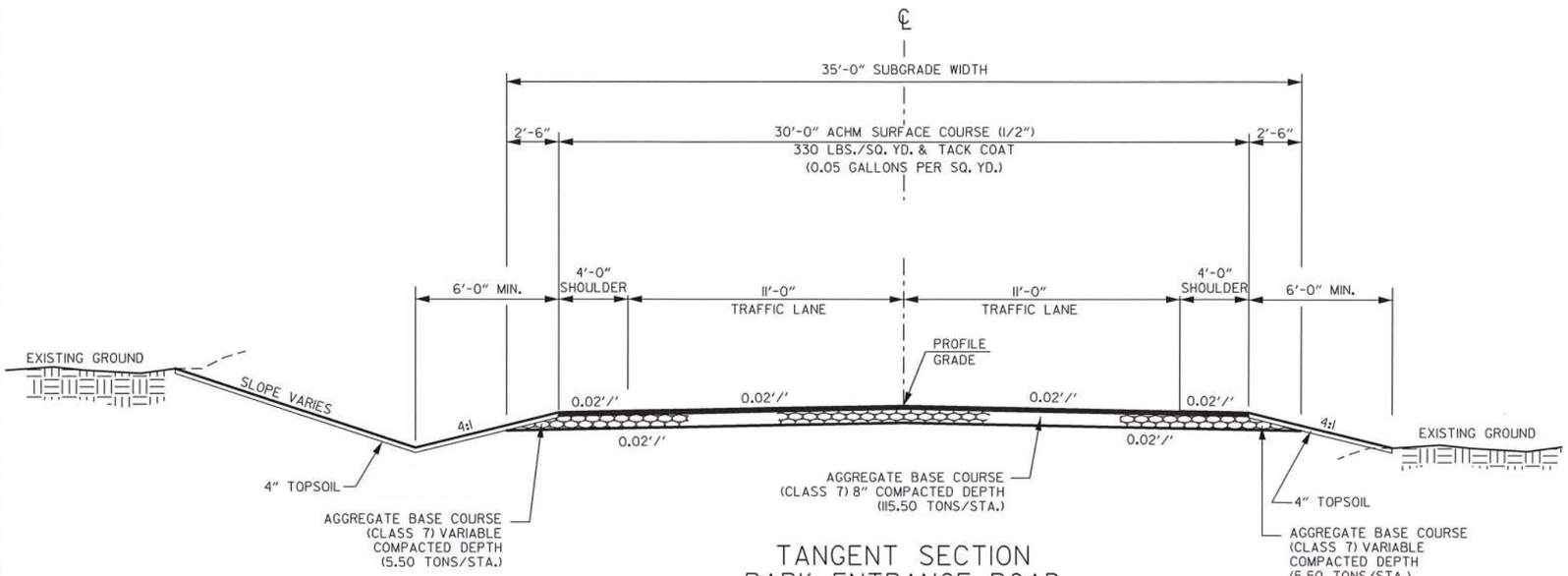
USER: t513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\typical\r090384 typ.dgn
PLOTTED: 9/8/2020 09:33
SCALE: NTS

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 6 | 151 |

(2) TYPICAL SECTIONS OF IMPROVEMENT

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020




## TANGENT SECTION
## PARK ENTRANCE ROAD
## (ENTRANCE TO VISITOR CENTER)
## FULL DEPTH

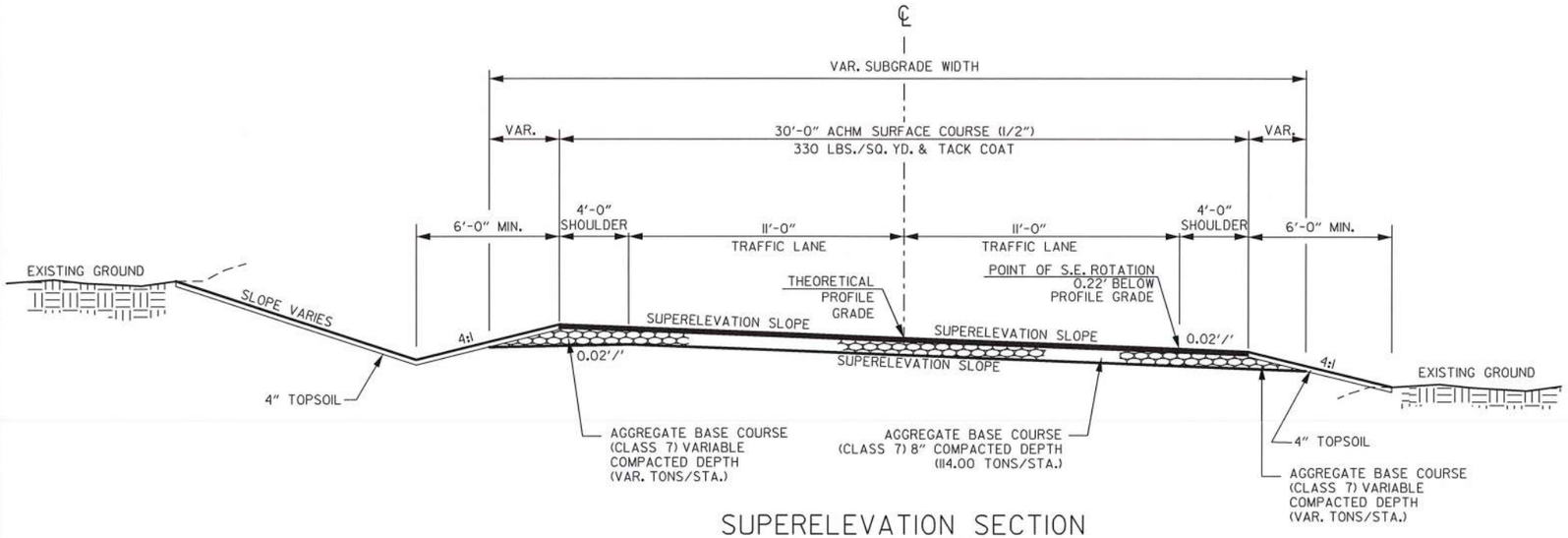
SITE 2 STA. 15+21.29 TO 25+00.00
SITE 3 STA. 25+00.00 TO 31+20.00

NOTE:
TRANSITION FROM PARK ENTRANCE ROAD SECTION TO ENTRANCE TO VISITOR CENTER SECTION FROM STA. 16+00.00 TO STA. 16+50.00.

TRANSITION FROM 2-LANE ENTRANCE TO VISITOR CENTER SECTION TO 1-LANE ENTRANCE TO VISITOR CENTER SECTION FROM STA. 31+34.31 TO STA. 32+09.31.

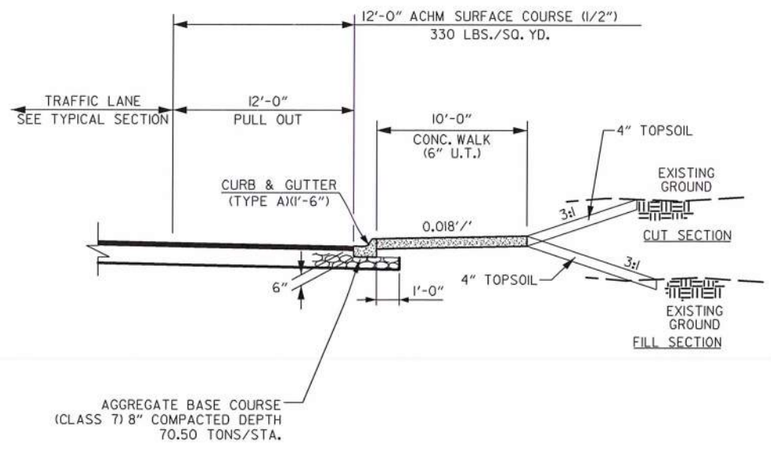
## TYPICAL SECTION NOTES:

1. THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.
2. REFER TO CROSS SECTIONS FOR DEVIATIONS FROM THE NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.
3. PRIOR TO AND DURING PLACEMENT OF PAVEMENT IN FRONT OF THE CURB AND GUTTER, THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES. THE METHOD(S) USED SHALL BE APPROVED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.




## SUPERELEVATION SECTION
## PARK ENTRANCE ROAD
## (ENTRANCE TO VISITOR CENTER)
## FULL DEPTH

SITE 2 STA. 14+00.00 TO 15+21.29




## PULL OUT DETAIL

SITE 2 PARK ENTRANCE ROAD STA. 12+25.00 TO STA. 13+75.00 RT.

# TYPICAL SECTIONS OF IMPROVEMENT

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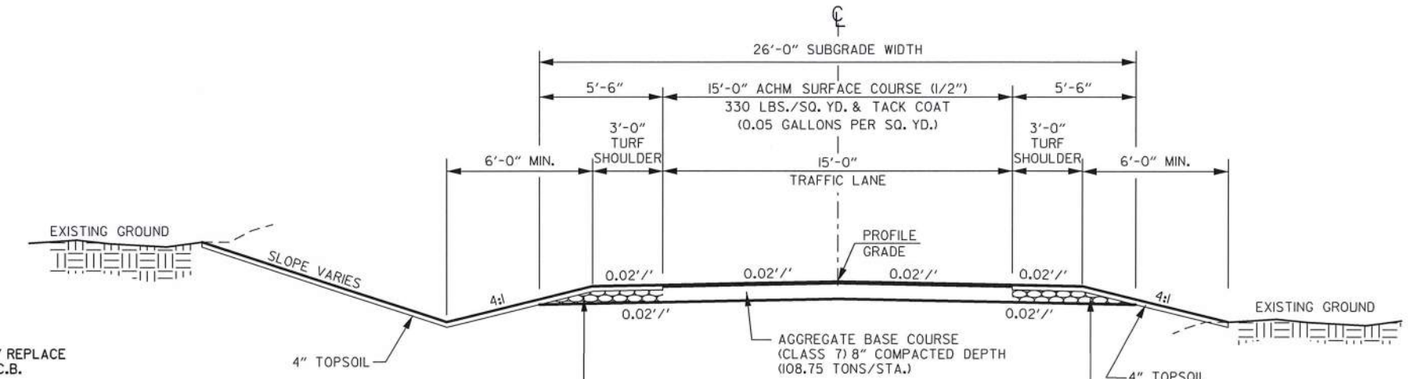
| | | | | JOB NO. | | 090384 | 7 | 151 |

(2) TYPICAL SECTIONS OF IMPROVEMENT

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURNS




- IF WIDTH IS LESS THAN 4' REPLACE BINDER COURSE WITH P.C.C.B.

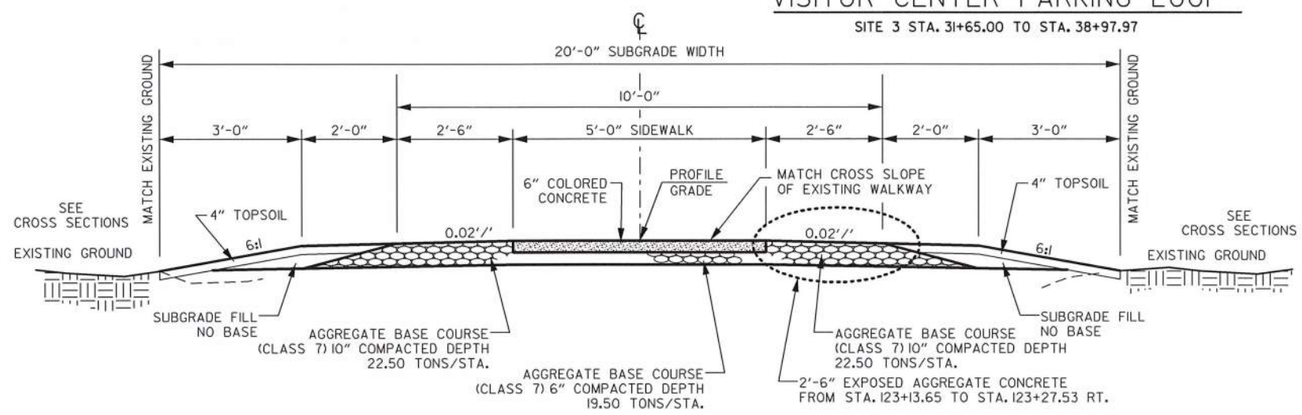
NOTE:
TRANSITION FROM 2-LANE ENTRANCE TO VISITOR CENTER SECTION TO 1-LANE ENTRANCE TO VISITOR CENTER SECTION FROM STA. 31+34.31 TO STA. 32+09.31.

## TANGENT SECTION
## PARK ENTRANCE ROAD - ONE WAY
## VISITOR CENTER PARKING LOOP

SITE 3 STA. 31+65.00 TO STA. 38+97.97

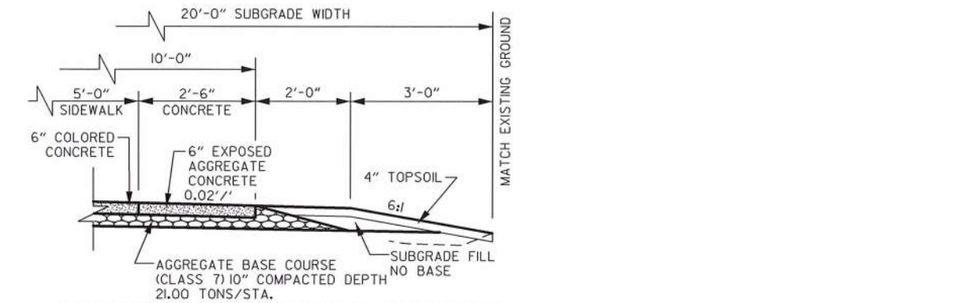
## TYPICAL SECTION NOTES:

1. THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.
2. REFER TO CROSS SECTIONS FOR DEVIATIONS FROM THE NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.
3. PRIOR TO AND DURING PLACEMENT OF PAVEMENT IN FRONT OF THE CURB AND GUTTER, THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES. THE METHOD(S) USED SHALL BE APPROVED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.



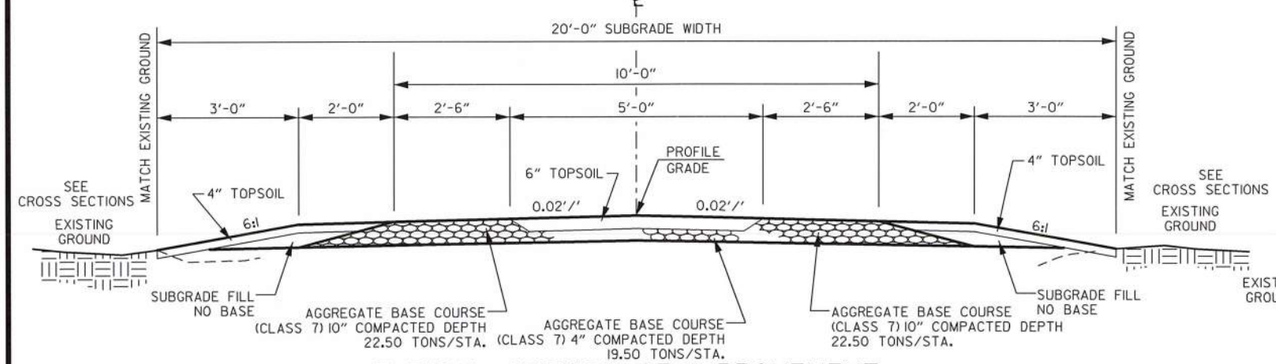

## TYPICAL SECTION OF IMPROVEMENT
## ELKHORN TAVERN (TWO TRACK)

SITE 6 STA. 122+55.39 TO STA. 123+27.53
(SEE 2'-6" EXPOSED AGG. CONC. RT. FOR 123+13.65 TO 123+27.53)



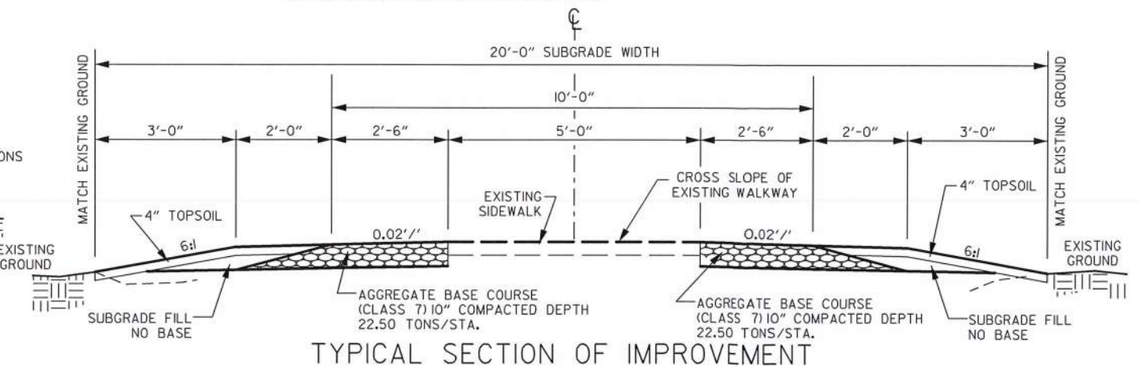

## EXPOSED AGGREGATE PORTION
## ELKHORN TAVERN (TWO TRACK)

SITE 6 STA. 123+13.65 TO STA. 123+27.53 RT.




## TYPICAL SECTION OF IMPROVEMENT
## ELKHORN TAVERN (TWO TRACK)

SITE 6 STA. 123+27.53 TO STA. 130+03.83




## TYPICAL SECTION OF IMPROVEMENT
## ELKHORN TAVERN (TWO TRACK)

SITE 6 STA. 119+95.00 TO STA. 122+55.39

# TYPICAL SECTIONS OF IMPROVEMENT

USER: fs513
DESIGN FILE: G:\1810900_PeaRidge\TRANSP\dgn\typical\r090384 typ.dgn
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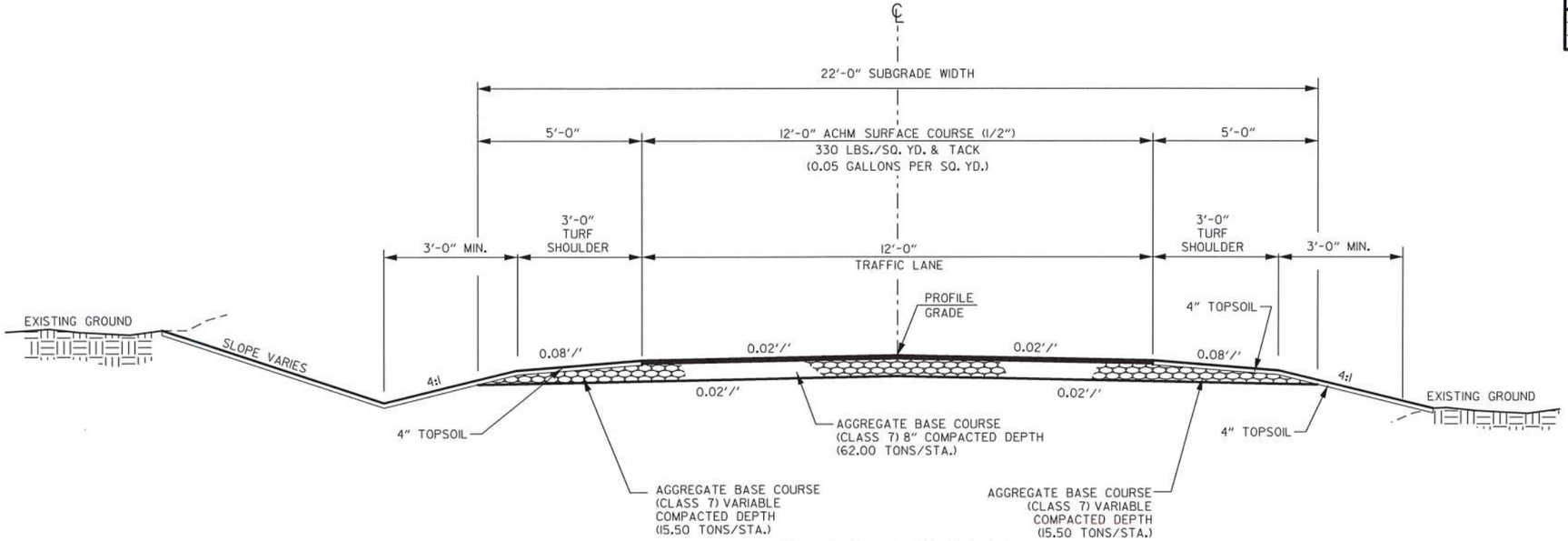
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 8 | 151 |

(2) TYPICAL SECTIONS OF IMPROVEMENT

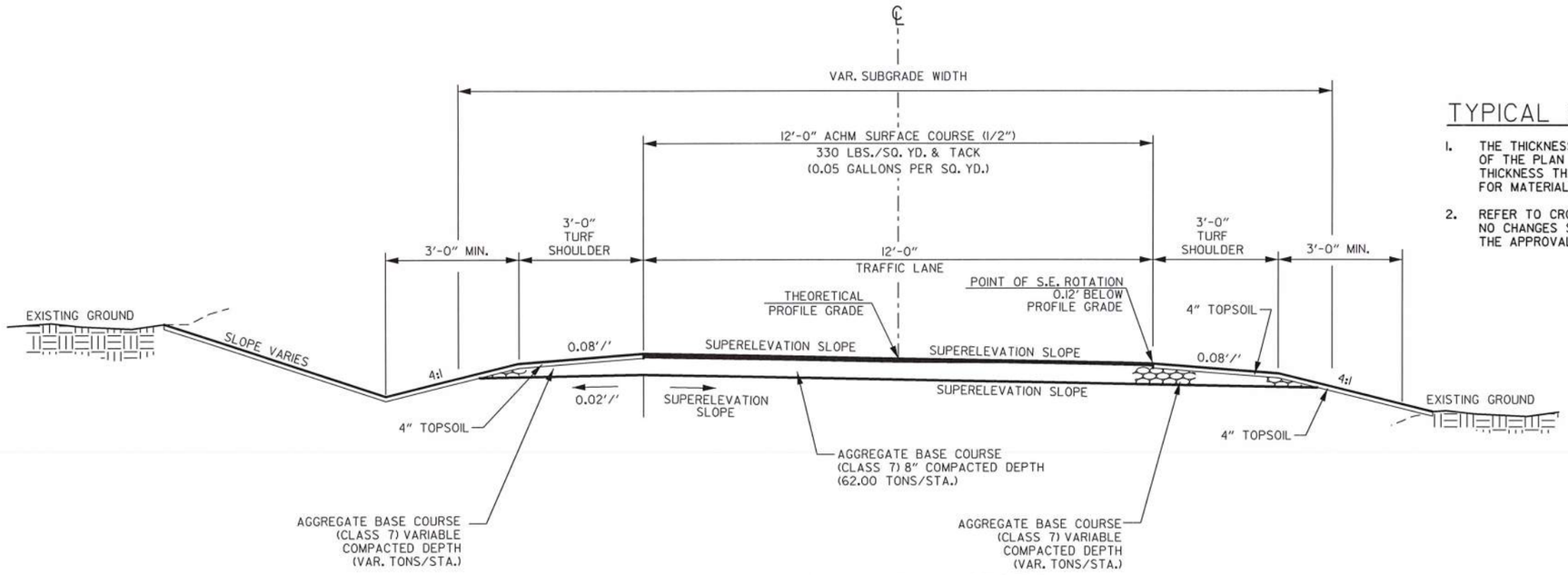
PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020




## TANGENT SECTION
## PARK TOUR ROAD

SITE 1 STA. 52+17.96 TO 60+97.49
SITE 1 STA. 66+42.24 TO 70+34.96




## SUPERELEVATION SECTION
## PARK TOUR ROAD

## TYPICAL SECTION NOTES:

1. THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.
2. REFER TO CROSS SECTIONS FOR DEVIATIONS FROM THE NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.

# TYPICAL SECTIONS OF IMPROVEMENT

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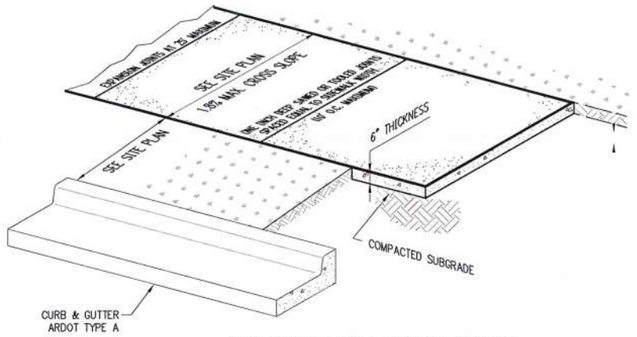
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 9 | 151 |

2 SPECIAL DETAILS

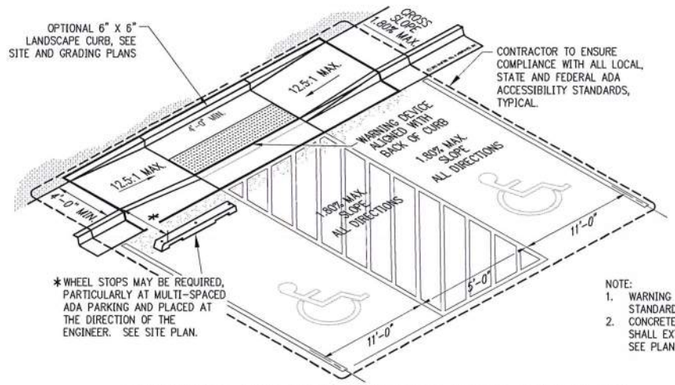
PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
TROY D. BROWN

NOTES:
1. PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS.
2. PROVIDE 1/2" TOOLED RADIUS ON ALL EDGES.

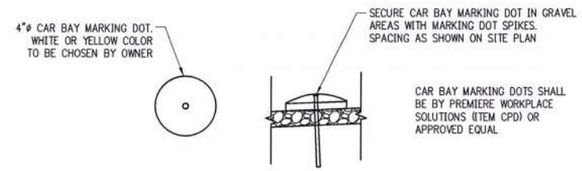



SIDEWALK WITH GREEN SPACE
NTS




NOTE:
1. WARNING DEVICE SHALL BE PER ARDOT STANDARD DRAWING WR-1
2. CONCRETE PAVING FOR ACCESSIBLE PARKING SHALL EXTEND BEYOND THE PAINTING LIMITS. SEE PLAN SHEETS FOR DIMENSIONS.

DEPRESSED SIDEWALK AND CURB ACCESSIBLE RAMP
NTS




CAR BAY MARKER DOT
NTS

NOTES:
1. PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS.
2. PROVIDE 1/2" TOOLED RADIUS ON ALL EDGES.




SIDEWALK WITH CURB
NTS



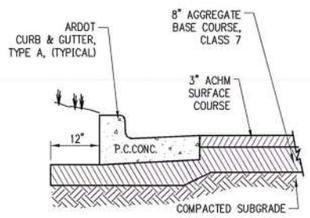

NOTE:
1. WARNING DEVICE SHALL BE PER ARDOT STANDARD DRAWING WR-1
2. CONCRETE PAVING FOR ACCESSIBLE PARKING SHALL EXTEND BEYOND THE PAINTING LIMITS. SEE PLAN SHEETS FOR DIMENSIONS.

DEPRESSED SIDEWALK AND CURB ACCESSIBLE RAMP
NTS ANGLED PARKING LAYOUT

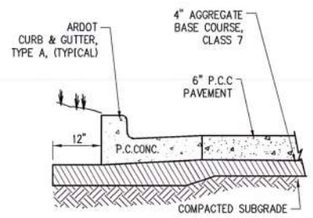



HORSE TRAILHEAD PARKING DETAIL – EDGE OF GRAVEL PARKING AND ASPHALT ROADWAY / CIRCULATION LANE IN PARKING AREA
NTS

NOTES:
1. THE SUBGRADE UNDER PAVEMENTS SHALL BE PREPARED IN ACCORDANCE WITH ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
2. AFTER PROOF ROLLING WITH A LOADED TANDEM AXLE DUMP TRUCK AND PREPARING DEEP SUBGRADE DEFICIENCIES, THE ENTIRE SUBGRADE SHOULD BE SCARIFIED TO A DEPTH OF 8" AND UNIFORMLY COMPACTED TO AT LEAST 95% OF MODIFIED PROCTOR.
3. AGGREGATE BASE COURSE MIXTURES SHALL CONFORM WITH THE GRADATION, COMPACTION AND OTHER REQUIREMENTS SHOWN IN ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
4. ASPHALTIC SURFACE SHALL CONFORM WITH THE GRADATION, COMPACTION AND OTHER REQUIREMENTS SHOWN IN ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
5. PORTLAND CEMENT CONCRETE PAVEMENT SHALL CONFORM WITH THE REQUIREMENTS SHOWN IN ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
6. THE CONTRACTOR SHALL APPLY A TACK COAT TO THE FACE OF THE CONCRETE GUTTER WHERE THE GUTTER CONTACTS ASPHALT.

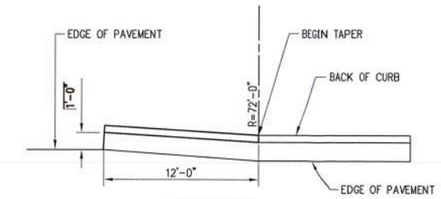



ASPHALT PAVING

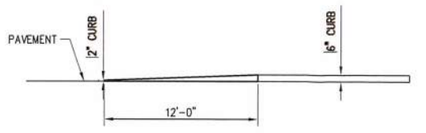



CONCRETE PAVING

PAVEMENT SECTIONS
NTS




PLAN VIEW




ELEVATION VIEW

CURB TRANSITION (TAPER)
NTS

SPECIAL DETAILS

DRAWING G:\SURVING_PE\ARDOT\APPROACHES\CIVIL\DWGS\CONSTRUCTION\SD7453.1.DWG
LAYOUT: SD7453.1 PLOTTED: 9/3/2020 3:43:23 PM BY VANDIN\MED.COPY ONLY)
LOGIN NAME: ACHESHER PLOTTED BY VANDIN\MED.COPY ONLY)

THESE DETAILS ARE PRODUCED BY CRAFTON, TULL AND ASSOCIATES, INC., AND BASED ON THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, DEPARTMENT OF JUSTICE, SEPTEMBER 15, 2010. WWW.ADA.GOV

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
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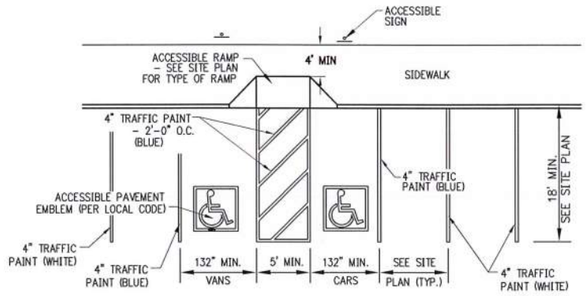
| | | | | JOB NO. | | 090384 | 10 | 151 |

(2) SPECIAL DETAILS

PERI 152541 DRAWING NO. 409/150019

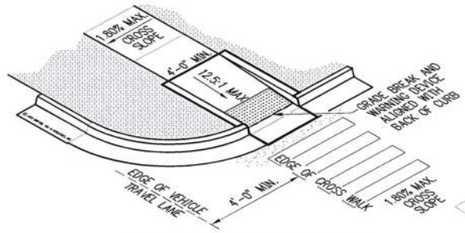
STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
TROY D. BROWN




ALL DIMENSIONS ARE TO CENTERLINE OF STRIPE UNLESS OTHERWISE NOTED. COLOR OF ALL ACCESSIBLE TRAFFIC PAINT SHALL BE PER LOCAL CODE (WHITE, YELLOW, ETC.)

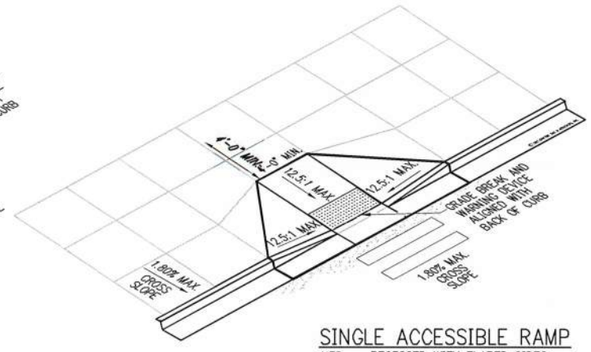
208.2.4 VAN PARKING SPACES:
FOR EVERY SIX OR FRACTIONAL OF SIX PARKING SPACES REQUIRED BY 208.2 TO COMPLY WITH 502, AT LEAST ONE SHALL BE A VAN PARKING SPACE COMPLYING WITH 502.

## VAN ACCESSIBLE PARKING STRIPING
NTS



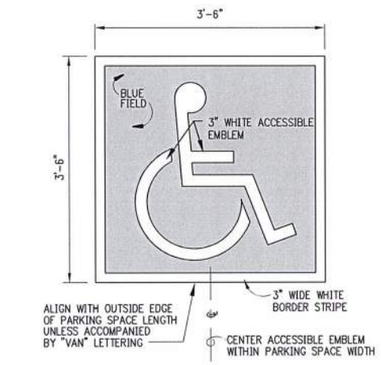

## SINGLE ACCESSIBLE RAMP
NTS SMALLER RADIUS WITH CURBED SIDES

NOTE: WARNING DEVICE SHALL BE PER ARDOT STANDARD DRAWING WR-1



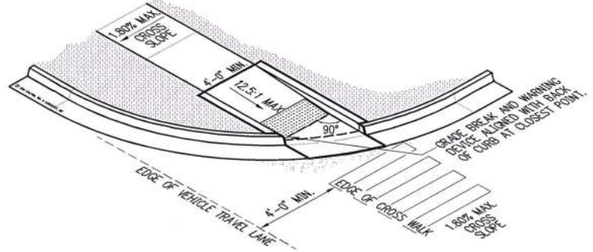

## SINGLE ACCESSIBLE RAMP
NTS RECESSED WITH FLARED SIDES

NOTE: WARNING DEVICE SHALL BE PER ARDOT STANDARD DRAWING WR-1



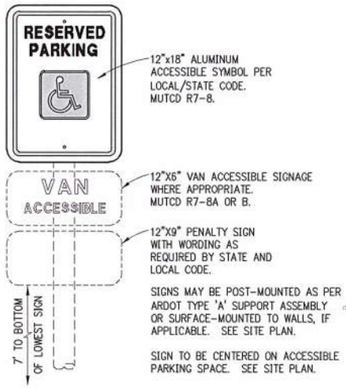

NOTE: WHITE FIELD WITH BLUE EMBLEM NPS STANDARD WILL TAKE PRECEDENCE FOR EMBLEM SIZE, COLOR AND LOCATION.

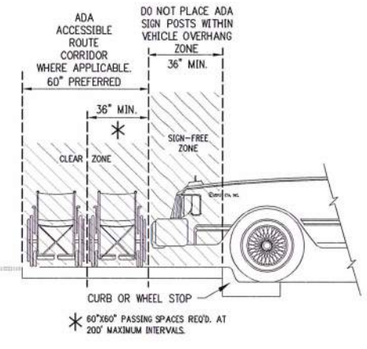
## ACCESSIBLE PAVEMENT EMBLEM
NTS



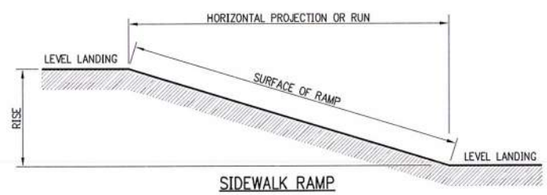

## SINGLE ACCESSIBLE RAMP
NTS LARGER RADIUS WITH CURBED SIDES

NOTE: WARNING DEVICE SHALL BE PER ARDOT STANDARD DRAWING WR-1



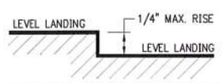




## ACCESSIBLE SIGN / PLACEMENT LIMITS
NTS

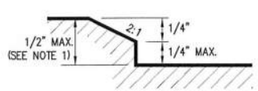



## SIDEWALK RAMP

| SLOPE | MAXIMUM RISE | MAXIMUM HORIZONTAL PROJECTION OR RUN |
|---|---|---|
| 1:12 TO < 1:16 | 30 INCHES | 30 FEET |
| 1:16 TO < 1:20 | 30 INCHES | 40 FEET |



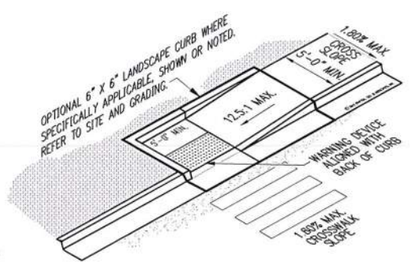

## VERTICAL CHANGES IN LEVEL




## BEVELED LEVEL CHANGES

NOTES:
1. CHANGES IN LEVEL GREATER THAN 1/2 INCH SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.
2. RAMP RUN GREATER THAN 6 INCHES OF RISE OR 6 FEET IN HORIZONTAL PROJECTION SHALL HAVE HANDRAILS ON BOTH SIDES, EXCEPT CURB RAMPS.
3. HANDRAILS SHALL BE 34" TO 38" HIGH AND A MINIMUM OF 36" APART. HANDRAILS MUST EXTEND 12" BEYOND TOP AND BOTTOM OF THE RAMP SEGMENT.

## IN-LINE ACCESSIBLE ROUTE / SIDEWALK RAMP – CHANGES IN LEVEL
NTS




## SIDEWALK AND CURB ACCESSIBLE RAMP WITH CROSSWALK
NTS

NOTE: WARNING DEVICE SHALL BE PER ARDOT STANDARD DRAWING WR-1

## GENERAL NOTES:

1. IN NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED ON THE PLANS, ACCESSIBLE RAMPS ARE TO BE PROVIDED AT ALL CORNERS OF CURBED STREET INTERSECTIONS AND MID-BLOCK CROSSWALK LOCATIONS, WHERE SHOWN IN PLANS.
2. IN ALTERATIONS, ACCESSIBLE RAMPS ARE TO BE PROVIDED AT CURBED STREET INTERSECTIONS WITH PEDESTRIAN TRAFFIC AND MID-BLOCK CROSSWALK LOCATIONS, WHERE SHOWN IN PLANS.
3. THE LENGTH OF THE RAMP SHALL BE SUCH THAT THE SLOPE DOES NOT EXCEED 1:12.5. THE SURFACE TEXTURE SHALL BE BROOM FINISH.
4. THE NORMAL GUTTER GRADE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
5. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
6. THE MINIMUM CONCRETE THICKNESS OF THE RAMP, WALK, & LANDING SHALL BE 6 INCHES.
7. THE MINIMUM WIDTH OF THE RAMPS SHALL BE THE EXISTING WALK WIDTH OR 48 INCHES, WHICHEVER IS GREATER.
8. RAMPS SHALL BE CONSTRUCTED AS NECESSARY TO INSURE THAT THEY ARE PARALLEL TO A LINE DRAWN FROM THE CENTER OF ONE RAMP TO THE CENTER OF THE RAMP ON THE OPPOSITE SIDE OF THE INTERSECTION.
9. THE DIMENSIONS SHOWN ON THIS DRAWING ARE FOR A 90° INTERSECTION ONLY. DIMENSIONS FOR SKEWED INTERSECTIONS WILL VARY, AND ARE TO BE DETERMINED BY THE ENGINEER.
10. THE MAXIMUM CROSS SLOPES OF RAMPS AND SIDEWALKS SHALL NOT EXCEED 1.8 PERCENT.
11. CONTRACTOR TO ASSURE LATEST-EDITION COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL ADA ACCESSIBILITY STANDARDS.

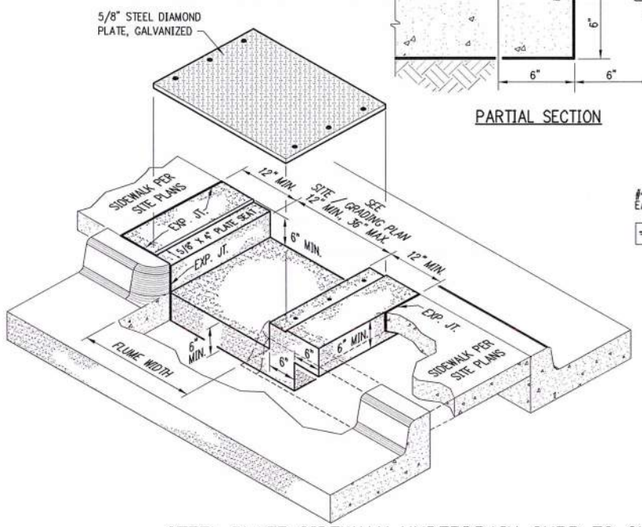
DRAWING: G:\151019XX PLANS\PLANS\STRUCTURE\CIVIL\DWG\CONSTRUCTION DETAILS 1.DWG
LAYOUT: 10_LAST SAVED: 9/3/2020 11:33:57 PM
LAST PLOTTED BY: CLAY KEMPF - 9/3/2020 11:34:47 PM (PLOTTED BY "HALF-SIZE" ON HARD COPY ONLY)

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 11 | 151 |

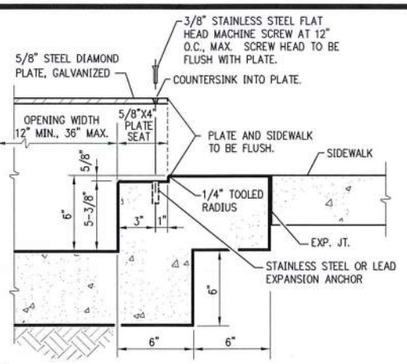
2 SPECIAL DETAILS

PERI 152541 DRAWING NO. 409/150019

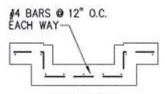
NOTE: ALL MATERIALS, WORKMANSHIP, FINISHING AND JOINTING ASSOCIATED WITH CONCRETE SHALL BE IN ACCORDANCE WITH ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2014 EDITION), SECTION 633 (CONCRETE WALKS).




STEEL PLATE SIDEWALK UNDERDRAIN CURB TO CURB
NTS

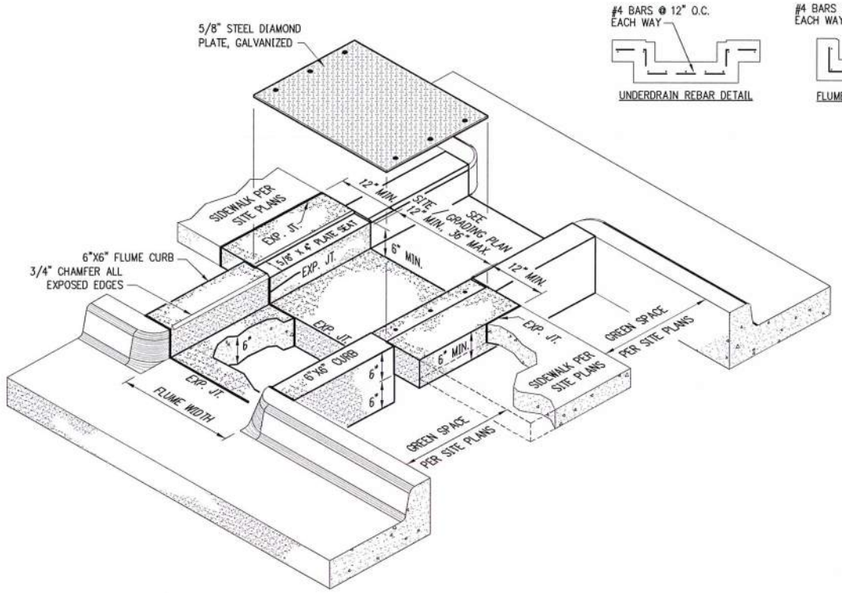



PARTIAL SECTION

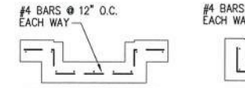



REBAR DETAIL

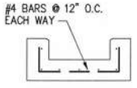
NOTE: ALL MATERIALS, WORKMANSHIP, FINISHING AND JOINTING ASSOCIATED WITH CONCRETE SHALL BE IN ACCORDANCE WITH ARDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2014 EDITION), SECTION 633 (CONCRETE WALKS).



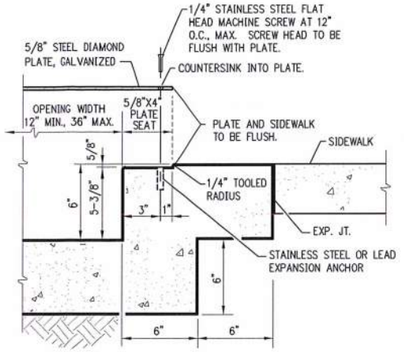

STEEL PLATE SIDEWALK UNDERDRAIN CURB TO CURB WITH GREEN SPACE
NTS




UNDERDRAIN REBAR DETAIL



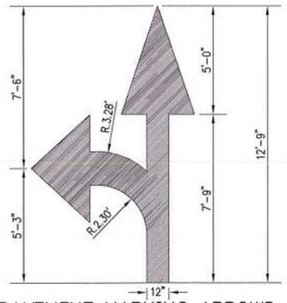

FLUME REBAR DETAIL




PARTIAL SECTION




NOTES:
1. LETTERS, NUMBERS AND ARROWS FOR DRIVEWAYS, PARKING LOTS AND STREETS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. PAVEMENT MARKINGS TO BE REFLECTIVE WHITE PAINT OR THERMOPLASTIC AS INDICATED IN THE PLANS.




PAVEMENT MARKING ARROWS TURN & THROUGH LANE-USE
NTS

NOTES:
1. LETTERS, NUMBERS AND ARROWS FOR DRIVEWAYS, PARKING LOTS AND STREETS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
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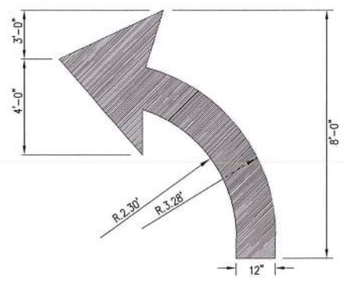
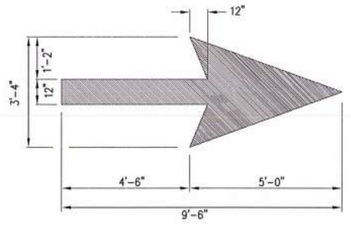


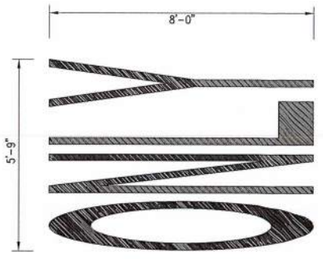

PAVEMENT MARKING ARROWS RIGHT OR LEFT TURN
NTS

NOTES:
1. LETTERS, NUMBERS AND ARROWS FOR DRIVEWAYS, PARKING LOTS AND STREETS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. PAVEMENT MARKINGS TO BE REFLECTIVE WHITE PAINT OR THERMOPLASTIC AS INDICATED IN THE PLANS.




PAVEMENT MARKING ARROW
NTS

NOTES:
1. LETTERS, NUMBERS AND ARROWS FOR DRIVEWAYS, PARKING LOTS AND STREETS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. PAVEMENT MARKINGS TO BE REFLECTIVE WHITE PAINT OR THERMOPLASTIC AS INDICATED IN THE PLANS.




"ONLY" PAVEMENT MARKING
NTS

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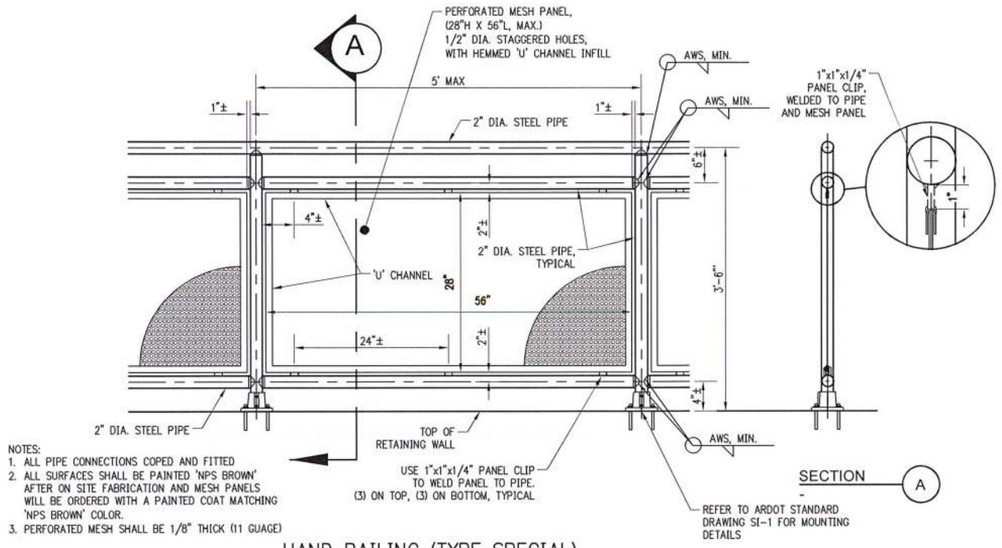
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 12 | 151 |

(2) SPECIAL DETAILS

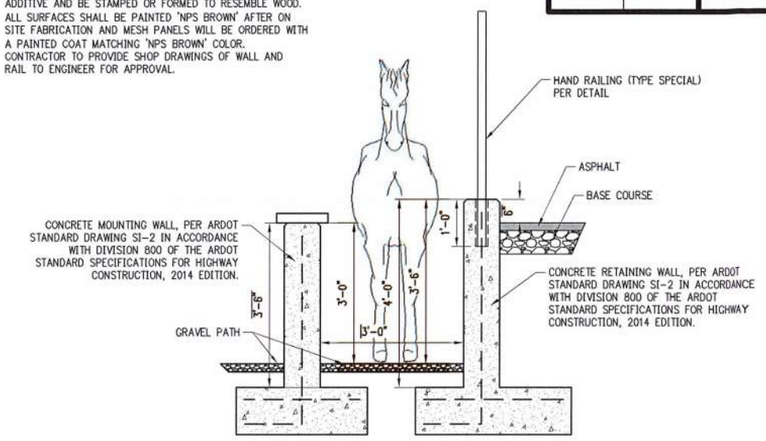
PERI 152541 DRAWING NO. 409/150019



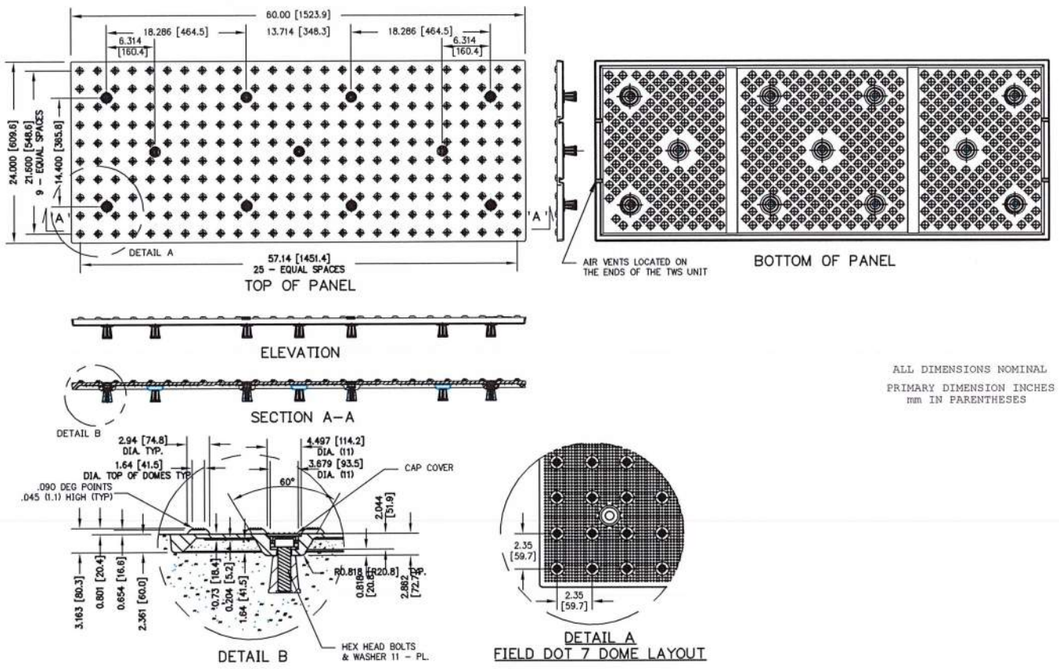

NOTES:
1. ALL PIPE CONNECTIONS COPED AND FITTED
2. ALL SURFACES SHALL BE PAINTED 'NPS BROWN' AFTER ON SITE FABRICATION AND MESH PANELS WILL BE ORDERED WITH A PAINTED COAT MATCHING 'NPS BROWN' COLOR.
3. PERFORATED MESH SHALL BE 1/8" THICK (11 GUAGE)

HAND RAILING (TYPE SPECIAL)
NTS
SITE 4 – HORSE TRAILER PARKING

NOTES:
1. CONCRETE RETAINING WALL AND WALL TO HAVE COLOR ADDITIVE AND BE STAMPED OR FORMED TO RESEMBLE WOOD.
2. ALL SURFACES SHALL BE PAINTED 'NPS BROWN' AFTER ON SITE FABRICATION AND MESH PANELS WILL BE ORDERED WITH A PAINTED COAT MATCHING 'NPS BROWN' COLOR.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF WALL AND RAIL TO ENGINEER FOR APPROVAL.



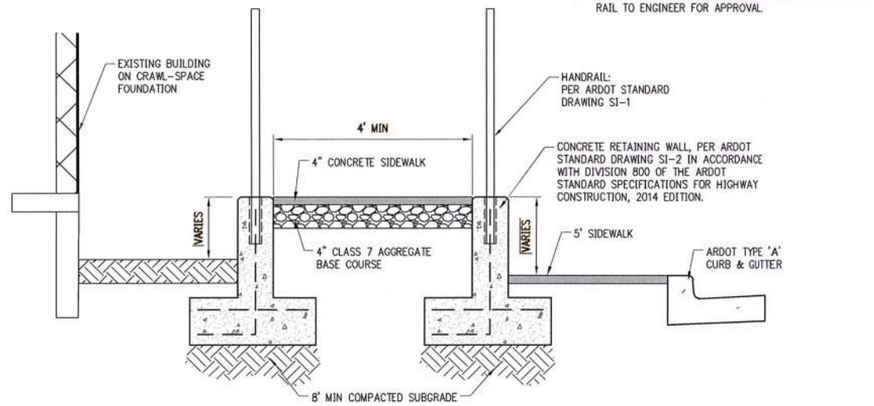

HORSE PATH AT MOUNTING BLOCK
NTS
SITE 4 – HORSE TRAILER PARKING

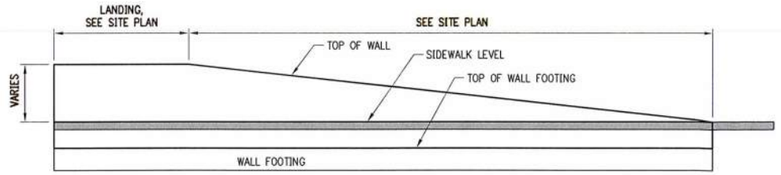



ALL DIMENSIONS NOMINAL
PRIMARY DIMENSION INCHES
mm IN PARENTHESES

DETECTABLE WARNING DEVICE – (CAST IRON)
NTS

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF WALL AND RAIL TO ENGINEER FOR APPROVAL.




PLAN AND ELEVATION FOR WHEELCHAIR ACCESS TO VISITOR CENTER HEADQUARTERS
NTS
TYPICAL BOTH HOUSES

DRAWING: G:\LIBRARY\DL_FILES\DGN\INFRASTRUCTURE\CIVIL\DWG\CONSTRUCTION DETAILS 1.DWG
LAYOUT: T2, LAST SAVED: 6/3/2020 10:03:33 PM
LAST PLOTTED BY: ELIJAH BISHOP, 6/3/2020 3:14:33 PM, PLOTTED BY: VIAD ON HARD COPY ONLY)

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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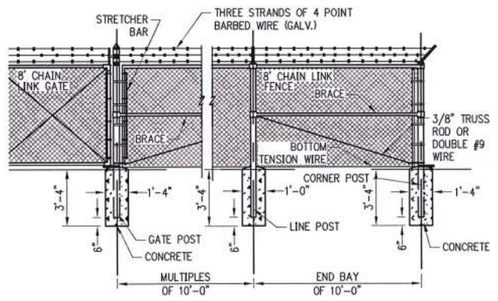
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 13 | 151 |

2 SPECIAL DETAILS

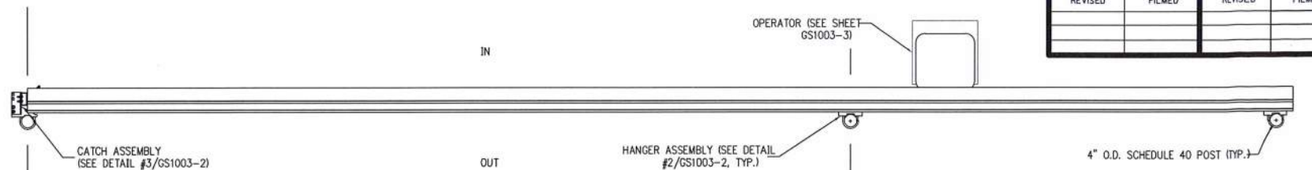
PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
TROY D. BROWN




## CHAIN LINK FENCING

N.T.S.




1 GS1003-1 PLAN VIEW
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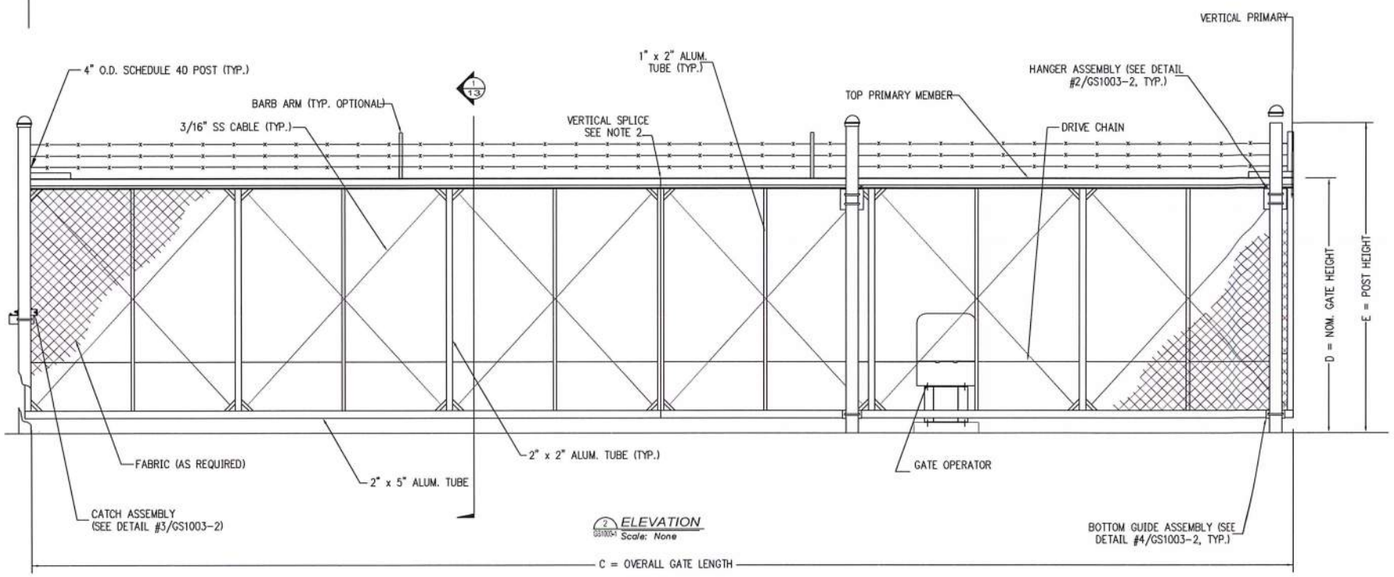


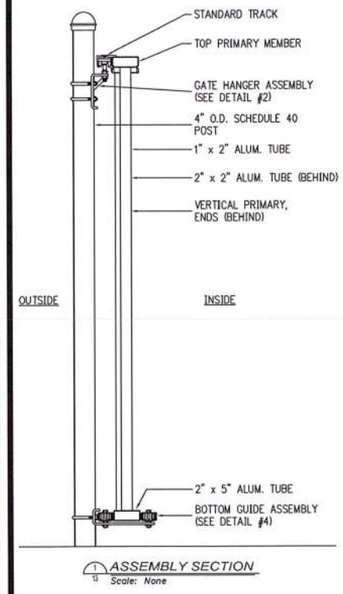

2 GS1003-2 ELEVATION
Scale: None

NOTES:
1. ALL FITTINGS PROVIDED FOR 4" O.D. SCHEDULE 40 POSTS. OTHER SIZES ARE AVAILABLE UPON REQUEST.
2. GATE ELEVATION IS VIEWED FROM THE OUTSIDE OF THE SECURE AREA LOOKING IN.

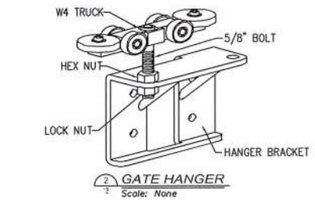
| CRITICAL DIMENSION CHART | | | | | | |
|---|---|---|---|---|---|---|
| NOMINAL GATE SIZE | A | CLEAR OPENING | 20' | D | NOMINAL GATE HEIGHT | 8' |
| | B | POST SPACING C/C | | E | POST HEIGHT | |
| | C | OVERALL GATE LENGTH | | | | |

TYMETAL – FORTRESS TYM-1000 HD SYSTEM

SEE PLAN SHEET FOR ORIENTATION OF SLIDE GATE OPERATOR




1 GS1003-2 ASSEMBLY SECTION
Scale: None




2 GS1003-2 GATE HANGER
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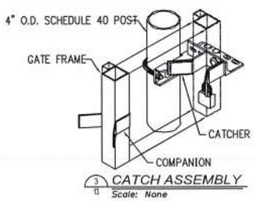


3 GS1003-2 CATCH ASSEMBLY
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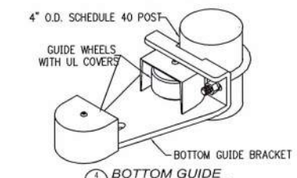


4 GS1003-2 BOTTOM GUIDE
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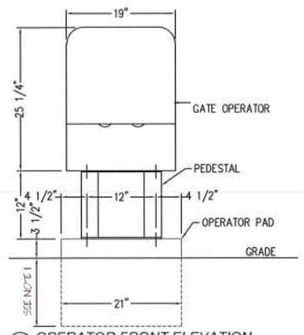
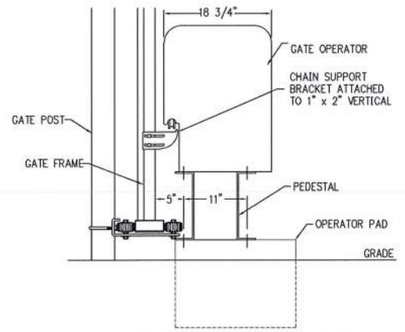
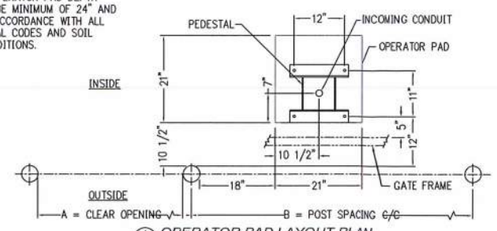



1 GS1003-3 OPERATOR FRONT ELEVATION
Scale: None




2 GS1003-3 OPERATOR SIDE ELEVATION
Scale: None

NOTES:
1) OPERATOR PAD DEPTH TO BE MINIMUM OF 24" AND IN ACCORDANCE WITH ALL LOCAL CODES AND SOIL CONDITIONS.




3 GS1003-3 OPERATOR PAD LAYOUT PLAN
Scale: None

## CANTILEVER CHAIN LINK GATE ASSEMBLY WITH BARBED WIRE

N.T.S.

SPECIAL DETAILS

DRAWING: C:\JOBS\09_DEARDORFF\STRUCTURES\CAD\DWGS\CONSTRUCTION DETAILS 1.DWG
LAYOUT: 13, LAST SAVED: CBOBB, 9/3/2020 3:13:33 PM
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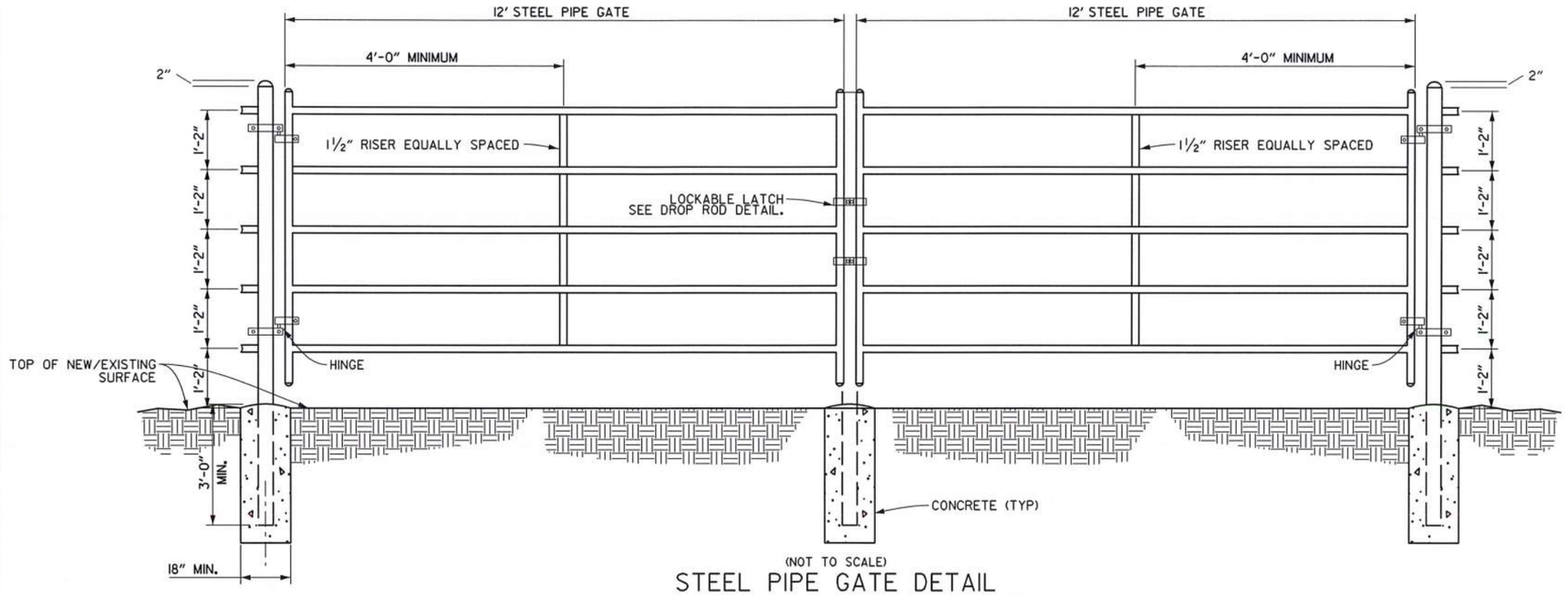
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 14 | 151 |

(2) SPECIAL DETAILS

PERI 152541 DRAWING NO. 409/150019




(NOT TO SCALE)

## STEEL PIPE GATE DETAIL
## DOUBLE SWING GATE (2-12' GATES)

1) POSTS SHALL BE 4" SCHEDULE 40 HOT-DIPPED GALVANIZED STEEL PIPE

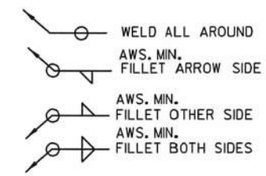
2) RAILS AND RISERS SHALL BE 2½" SCHEDULE 40 HOT-DIPPED GALVANIZED STEEL PIPE

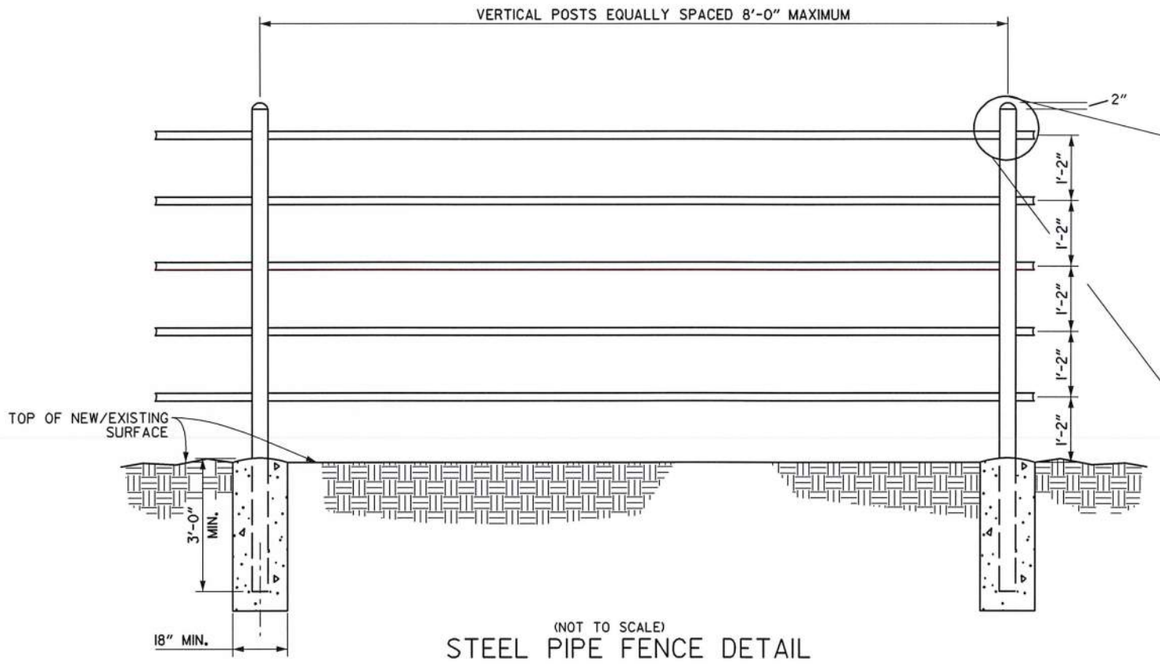
3) ALL MATERIALS AND WORK TO COMPLETE INSTALLATION OF PIPE FENCE SHALL BE CONSIDERED PAID FOR UNDER "STEEL PIPE FENCING" PER LIN. FT.

4) ALL MATERIALS INCLUDING CONNECTION HARDWARE TO COMPLETE THE INSTALLATION OF PIPE GATES SHALL BE PAID FOR UNDER "STEEL PIPE GATES" PER EACH.

5) ALL MATERIALS, WELDING AND GALVANIZING SHALL CONFORM TO SECTION 633 OF THE STANDARD SPECIFICATIONS.

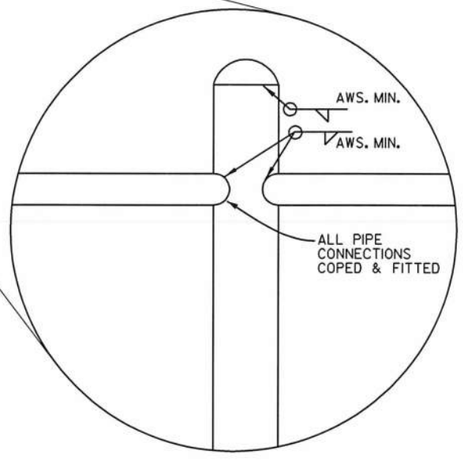
SYMBOL SCHEDULE

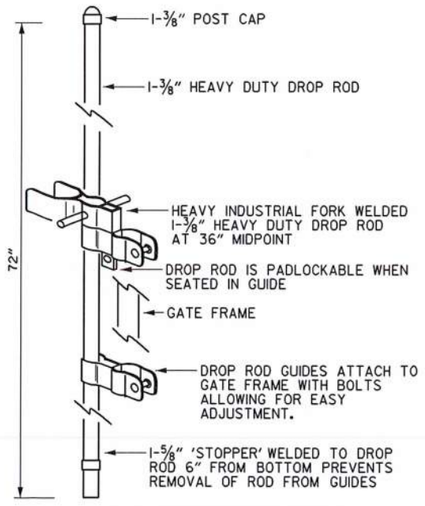



(NOT TO SCALE)

## STEEL PIPE FENCE DETAIL




## DROP ROD DETAIL

**SPECIAL DETAILS**

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SCALE: 1:100

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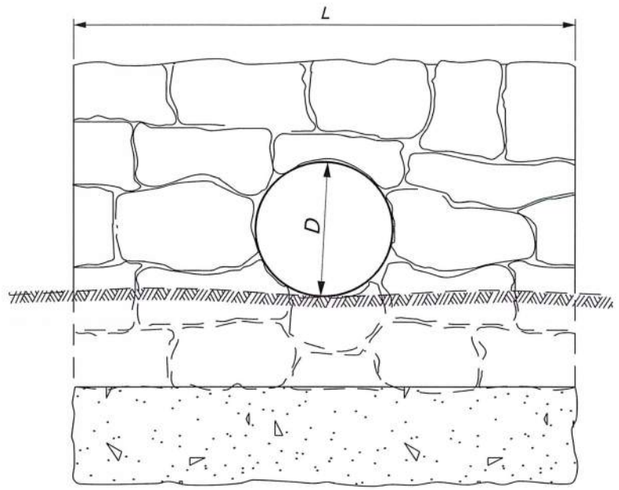
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 15 | 151 |

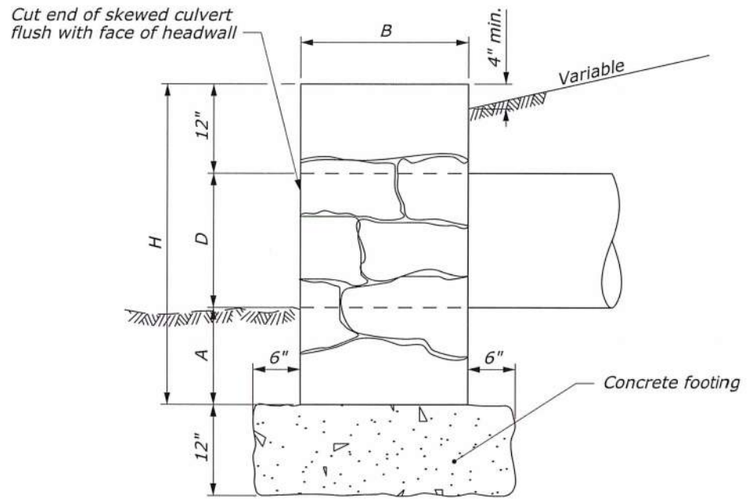
(2) SPECIAL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
* * *
No. 9620
HUBERT BURNS
09-09-2020

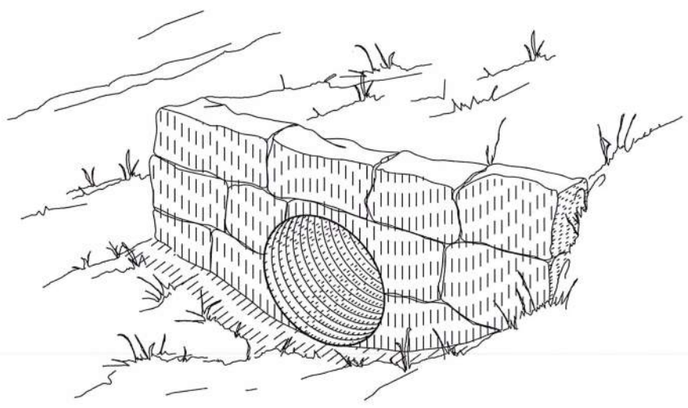



FRONT ELEVATION




SIDE ELEVATION

## ROUND PIPE



ISOMETRIC

| ROUND PIPE | | | | | |
|---|---|---|---|---|---|
| | | | | SINGLE PIPE | |
| D (in) | A (in) | B (in) | H (in) | L (in) | STONE (cy) |
| 12 | 12 | 14 | 36 | 44 | 0.37 |
| 15 | 12 | 16 | 40 | 52 | 0.61 |
| 18 | 12 | 18 | 42 | 60 | 0.72 |
| 24 | 16 | 22 | 52 | 76 | 1.41 |
| 30 | 20 | 26 | 62 | 94 | 2.52 |
| 36 | 24 | 30 | 72 | 108 | 4.35 |
| 48 | 24 | 36 | 84 | 144 | 7.93 |

NOTE:

1. Construct headwalls parallel to the lane and grade of the roadway, unless shown otherwise on the plans.
2. Modify headwall when pipes are skewed, as directed by the Engineer.
3. For existing headwalls being reset, reset headwall to original dimensions, except at locations where new culvert is of a different diameter than original culvert.
4. Rock to be cut and grouted.

NO SCALE

# HEADWALL DETAIL

SPECIAL DETAILS

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\special_details\r090384_Rock Headwall.dgn
PLOTTED: 9/8/2020 09:36 SCALE: 1:00

G:\18101900_PeaRidge\TRANSP\dgn\special_details\r090384_Rock Headwall.dgn 9/8/2020 09:36

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
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| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 16 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

HORSE TRAILER PARKING (SITE 4)

PROTECT EXIST. TREE

P.T. 69+56.35 Δ = 00°18'04" Rt.

N53°47'34"E

STA. 69+51.50 DEMO BASELINE
BEGIN SITE 5 ROADBED DEMO & REGRADING

STA. 70+50.00 DEMO BASELINE
END AREA 5 ROADBED DEMO & REGRADING PART I
BEGIN AREA 4 GRADING

RELOCATED HWY. 62

STA. 10+31.50
BEGIN JOB 090384

P.C. 11+01.51

P.C. 14+65.87

P.I. 12+55.12

N63°40'12"W

P.C.C. 0+70.18

P.I. 14+27.54

P.I. 17+17.29

N86°18'46"W

P.I. 0+44.60

N59°06'11"E

P.C. 0+17.80

N10°08'45"W

LIMITS OF CONST.

EXIST. R/W

EXIST. T.C.E.

T.C.E.

CONSTRUCTION LIMITS

PARK ENTRANCE ROAD (SITE 2)

PROTECT EXIST. POWER POLE

LEGEND

- E-1 = WATTLE DITCH CHECKS
- E-5 = SAND BAG DITCH CHECKS
- E-11 = SILT FENCE

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

REVISIONS

| DATE OF REVISION | REVISION |
|---|---|
| | |

HQ-ADMIN ROAD (SITE 6)

VISITOR CENTER PARKING (SITE 3)

P.I. 28+25.24 Δ = 00°33'02" LT.

P.T. 20+05.07

N70°39'13"E

N70°58'44"E

STA. 25+00.00 C.L. PARK ENTRANCE RD.
END SITE 2
BEGIN SITE 3

PROTECT EXIST. TREES

PARK ENTRANCE ROAD (SITE 3)

CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

USER: fs53
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\erosion\r090384_ErosCtl.dgn
PLOTTED: 9/8/2020 09:37
SCALE: 1:100

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
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| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 17 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURKS

N

VISITOR CENTER PARKING (SITE 3)

STA. 38+97.97 C.L. PARK ENTRANCE RD.
MATCH PARKING (SEE SITE PLAN)
END PARK ENTRANCE RD. CONSTRUCTION

P.T. 40+

P.I. 39+36.55

N66°10'51"W

T.C.E.

P.C. 38+27.29

P.T. 38+17.88

N26°08'38"W

N70°39'13"E

LIMITS OF CONST.

EXIST. R/W

PROTECT EXIST. TREES

PARK ENTRANCE ROAD (SITE 3)

CONSTRUCTION LIMITS

P.I. 37+75.70

STA. 101+12.60 DEMO BASELINE
BEGIN SITE 5 ROADBED DEMO
& REGRADING PART 2

P.C. 36+90.13

N70°58'44"E

HQ-ADMIN ROAD (SITE 6)

LIMITS OF CONST.

T.C.E.

REVISIONS

| DATE OF REVISION | REVISION |
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LEGEND

(E-I) = WATTLE DITCH CHECKS
(E-5) = SAND BAG DITCH CHECKS
(E-11) = SILT FENCE

105 110 115

ABANDONDED HWY. 62 ROADBED (SITE 5)

EXIST. R/W
LIMITS OF CONST.
T.C.E.
N70°33'15"E

# CLEARING & GRUBBING
# TEMPORARY EROSION CONTROL DETAILS

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\eroslon\r090384_ErosCtl.dgn
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SCALE: 1:100

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| 6 | ARK. | | | |
| JOB NO. | | 090384 | 18 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURKE
09-09-2020

120 125 130

ABANDONDED HWY. 62 ROADBED (SITE 5)

EXIST. R/W
LIMITS OF CONST.
T.C.E.
E-II
+35 +10 +50 +80 +00 +08 +20 +40
PROPOSED SHOULDER
PROPOSED SHOULDER WIDEN
EXIST. R/W
LIMITS OF CONST.
T.C.E.
EXIST. R/W
LIMITS OF CONST.
T.C.E.
T.C.E.
LIMITS OF CONST.
T.C.E.
+40

N

REVISIONS

| DATE OF REVISION | REVISION |
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LEGEND

E-II = SILT FENCE

135 140 145

ABANDONDED HWY. 62 ROADBED (SITE 5)

T.C.E.
LIMITS OF CONST.
EXIST. R/W
+75
LIMITS OF CONST.
EXIST. R/W
T.C.E.
E-II
+35 +00 +45
T.C.E.
P.C. 140+04.93
P.I. 143+54.81
P.T. 146+97.02
T.C.E.
LIMITS OF CONST.
+60 +90 +25
T.C.E.
LIMITS OF CONST.
EXIST. T.C.E.
EXIST. PERM. EASEMENT
OLD LIBERTY ROAD

N

CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

USER: fs513
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| | | | | JOB NO. | | 090384 | 19 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURNS

150 155

P.T. 146+97.02

T.C.E. +40 E-II +45 E-II +15

EXIST. R/W

STA. 156+46.94 DEMO BASELINE
END SITE 5 ROADBED DEMO

T.C.E.

LIMITS OF CONST. +85

P.O.E. 158+00.00

ABANDONDED HWY. 62 ROADBED
(SITE 5)

S88°40'59"E

LIMITS OF CONST. +90 +25 E-II

T.C.E. +20 T.C.E.

EXIST. R/W +00 E-II +45 E-II +55

T.C.E.

REVISIONS

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LEGEND

E-II = SILT FENCE

105 55

P.C. 101+

P.T. 104+97.95

P.T. 53+19.12

P.C. 53+53.05

P.T. 111+

P.C. 112+10.01

S68°14'47"E

LIMITS OF CONST.

T.C.E.

P.T. 114+86

P.C. 116+

P.I. 11

+80

N77°32'27"E +00 +50 E-II +30 E-II +80 E-II +00 E-II +60 E-II +55

P.R.C. 52+17.96

P.I. 52+68.67

PROTECT EXIST. TREE

P.I. 55+75.85

PROTECT EXIST. TREE

P.I. 113+50.

ORIGINAL PARK TOUR ROAD
(SITE 1)

PARK TOUR ROAD
(SITE 1)

N81°21'56"E +75 E-II S82°31'09"E +15 E-II +00 +50 E-II +25 E-II

PROTECT EXIST. TREES

P.T. 57+88.11

PROTECT EXIST. TREE

S52°09'53"E

P.C. 58+95.98

60

P.T. 60+76.77

STA. 60+97.49 C.L. PARK TOUR RD.
MATCH PARKING (SEE SITE PLAN)

ELKHORN PARKING
(SITE 1)

65

P.I. 64+64.17

P.I. 5H+60.69

STA. 52+17.96 C.L. PARK TOUR RD.
BEGIN CONSTRUCTION

T.C.E. +75 E-II

LIMITS OF CONST.

S84°36'28"E

LIMITS OF CONST. +50

P.I. 59+88.98 +00

LIMITS OF CONST. +15 E-II +05

P.C. 6

P.I. 66+99.17

S56°46'25"E

N

CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

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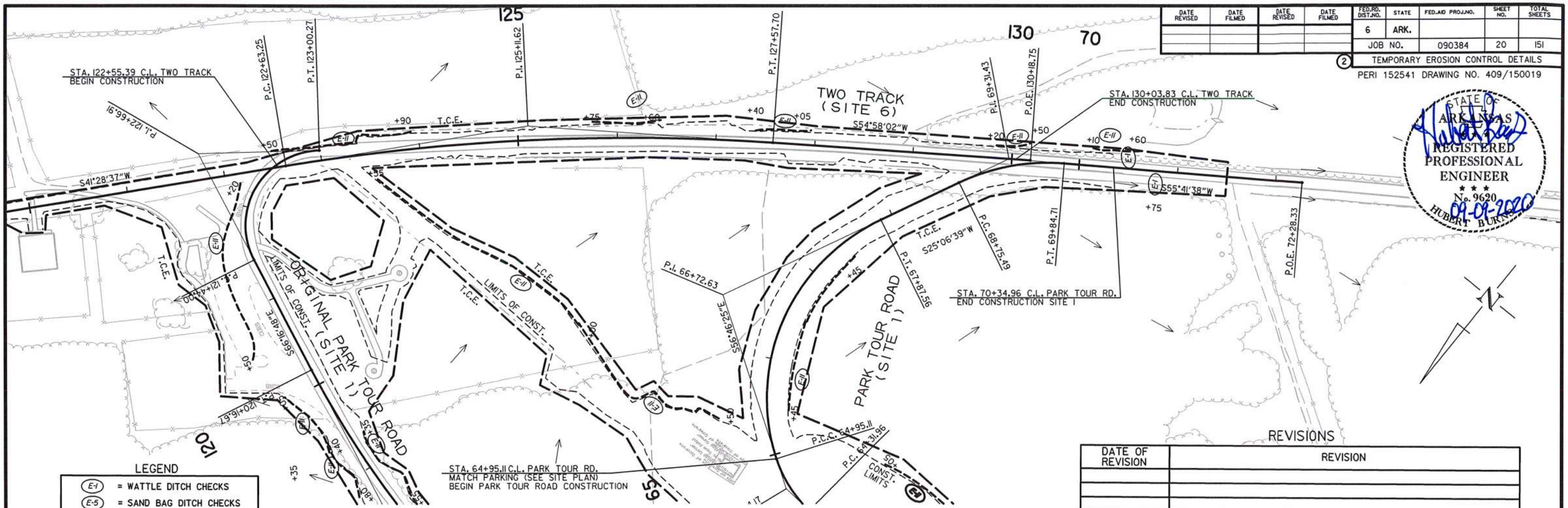
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 20 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019




LEGEND

- (E-1) = WATTLE DITCH CHECKS
- (E-5) = SAND BAG DITCH CHECKS
- (E-11) = SILT FENCE

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURKS
09-09-2020

REVISIONS

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CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

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| 6 | ARK. | | | |
| JOB NO. | | 090384 | 21 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

HORSE TRAILER PARKING (SITE 4)

PARK ENTRANCE ROAD (SITE 2)

HQ-ADMIN ROAD (SITE 6)

VISITOR CENTER PARKING (SITE 3)

PARK ENTRANCE ROAD (SITE 3)

RELOCATED HWY. 62

CONSTRUCTION LIMITS

EXIST. R/W

LIMITS OF CONST.

EXIST. T.C.E.

T.C.E.

PROTECT EXIST. TREE

PROTECT EXIST. POWER POLE

PROTECT EXIST. TREES

P.C. 0+70.18

P.T. 14+27.54

P.I. 17+17.29

P.C. 14+65.87

P.I. 12+95.52

P.C. 0+17.80

P.C. 11+01.51

P.I. 0+44.50

P.I. 28+25.24
Δ = 00°33'02" LT.

P.T. 20+05.07

P.I. 69+56.35
Δ = 00°16'04" RT.

N63°40'31"W

S86°18'48"W

N59°06'11"E

N53°47'34"E

N19°08'45"W

N70°39'13"E

N70°58'44"E

STA. 69+51.50 DEMO BASELINE
BEGIN SITE 5 ROADBED DEMO & REGRADING

STA. 70+50.00 DEMO BASELINE
END AREA 5 ROADBED DEMO & REGRADING PART I
BEGIN AREA 4 GRADING

STA. 10+31.50
BEGIN JOB 090384

STA. 25+00.00 C.L. PARK ENTRANCE RD.
END SITE 2
BEGIN SITE 3

LEGEND

- (E-1) = WATTLE DITCH CHECKS
- (E-5) = SAND BAG DITCH CHECKS
- (E-11) = SILT FENCE
- (E-13) = COMPOST FILTER SOCK

REVISIONS

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STATE OF ARKANSAS
HUBERT BURNS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\erosion\r090384_ErosCtl.dgn
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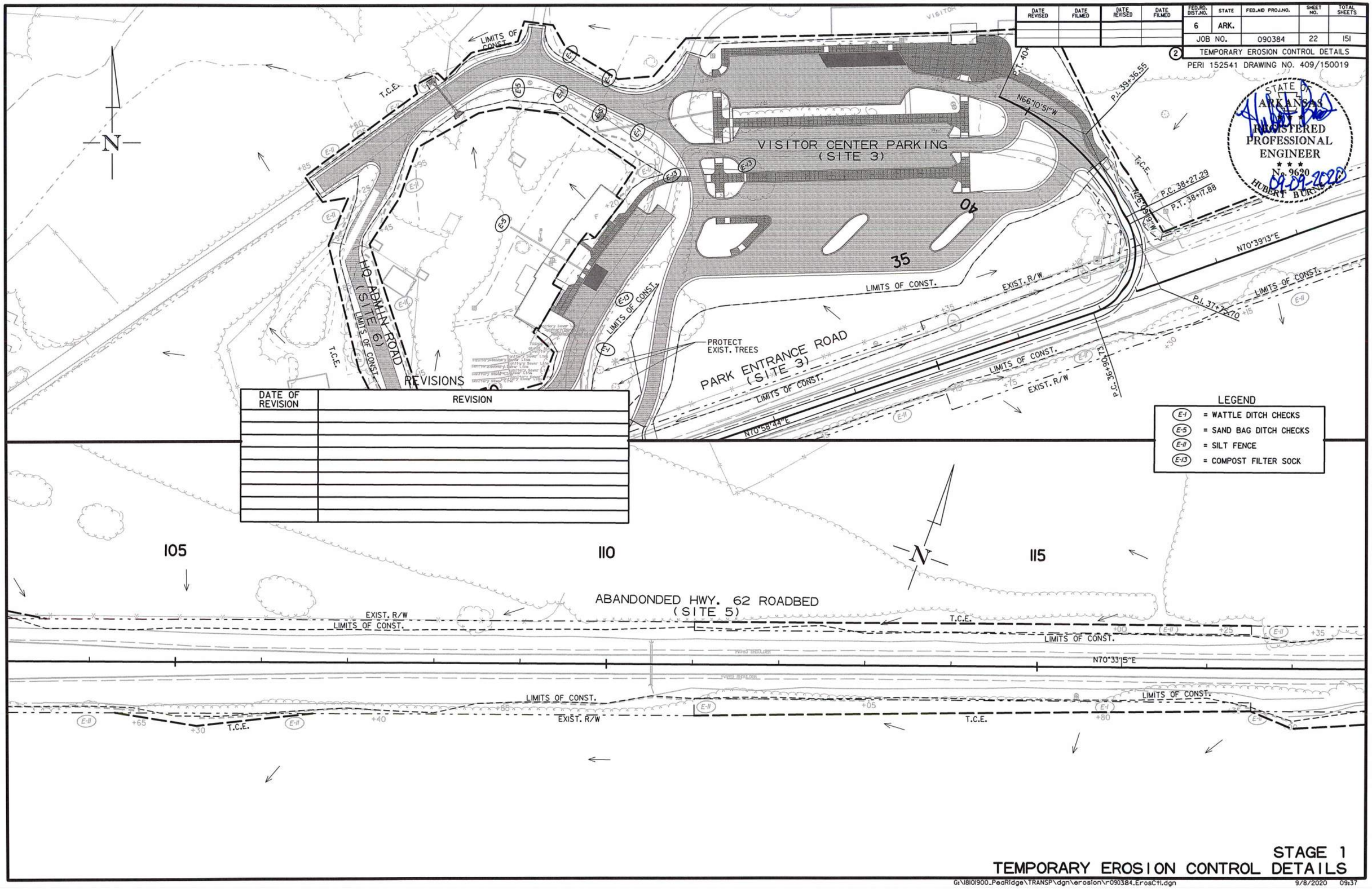
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 22 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

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STAGE 1
TEMPORARY EROSION CONTROL DETAILS

USER: fe513
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| 6 | ARK. | | | |
| JOB NO. | | 090384 | 23 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURKS
09-09-2020

120 125 130

ABANDONDED HWY. 62 ROADBED
(SITE 5)

EXIST. R/W
LIMITS OF CONST.
T.C.E.
E-II
+35 +50 +80 +00 +10 +20 +40
PAVED SHOULDER

REVISIONS

| DATE OF REVISION | REVISION |
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LEGEND

E-II = SAND BAG DITCH CHECKS

135 140 145

P.C. 140+04.39
P.I. 143+54.81
P.T. 146+97.02

EXIST. T.C.E.
EXIST. PERM. EASEMENT
OLD LIBERTY ROAD

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\erosion\r090384_ErosCtl.dgn
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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
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| 6 | ARK. | | | |
| JOB NO. | | 090384 | 24 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURNS

150

155

P.T. 146+97.02

P.O.E. 158+00.00

STA. 156+46.94 DEMO BASELINE
END SITE 5 ROADBED DEMO

T.C.E.

LIMITS OF CONST.

EXIST. R/W

ABANDONDED HWY. 62 ROADBED
(SITE 5)

S88°40'59"E

LIMITS OF CONST.

EXIST. R/W

T.C.E.

T.C.E.

T.C.E.

N

LEGEND

(E-1) = WATTLE DITCH CHECKS

(E-5) = SAND BAG DITCH CHECKS

(E-11) = SILT FENCE

REVISIONS

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105

55

60

65

P.C. 53+53.05

P.I. 52+68.67

P.T. 104+71.95

P.T. 53+19.12

P.R.C. 52+17.96

P.I. 51+60.69

N77°32'27"E

N87°21'56"E

S82°31'09"E

T.C.E.

PROTECT EXIST. TREE

PROTECT EXIST. TREES

PARK TOUR ROAD
(SITE 1)

P.I. 55+75.85

P.T. 57+88.11

P.C. 58+95.98

P.T. 60+76.77

S52°09'53"E

STA. 52+17.96 C.L. PARK TOUR RD.
BEGIN CONSTRUCTION

STA. 60+97.49 C.L. PARK TOUR RD.
MATCH PARKING (SEE SITE PLAN)

ELKHORN PARKING
(SITE 1)

P.I. 59+88.89

P.C. 112+11.01

P.T. 111+

S68°14'47"E

LIMITS OF CONST.

T.C.E.

P.I. 113+50.41

S89°15'55"E

ORIGINAL PARK TOUR ROAD
(SITE 1)

P.I. 64+64.77

S84°36'28"E

P.C. 64+31.

P.C. 64+95.

S56°46'25"E

P.I. 66+71.

LIMITS OF CONST.

LIMITS OF CONST.

LIMITS OF CONST.

# STAGE 1
# TEMPORARY EROSION CONTROL DETAILS

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\erosion\r090384_ErosCtl.dgn
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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
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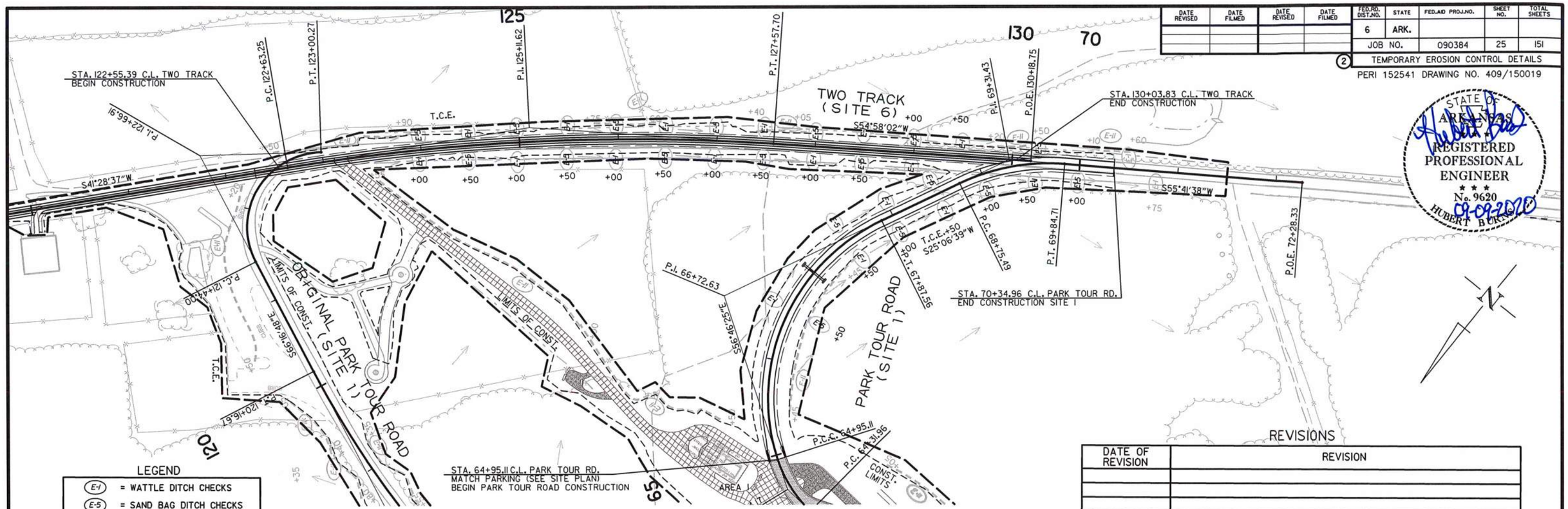
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 25 | 151 |

(2) TEMPORARY EROSION CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019




LEGEND

- (E-1) = WATTLE DITCH CHECKS
- (E-5) = SAND BAG DITCH CHECKS
- (E-11) = SILT FENCE

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURD
09-09-2020

REVISIONS

| DATE OF REVISION | REVISION |
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STAGE 1
TEMPORARY EROSION CONTROL DETAILS

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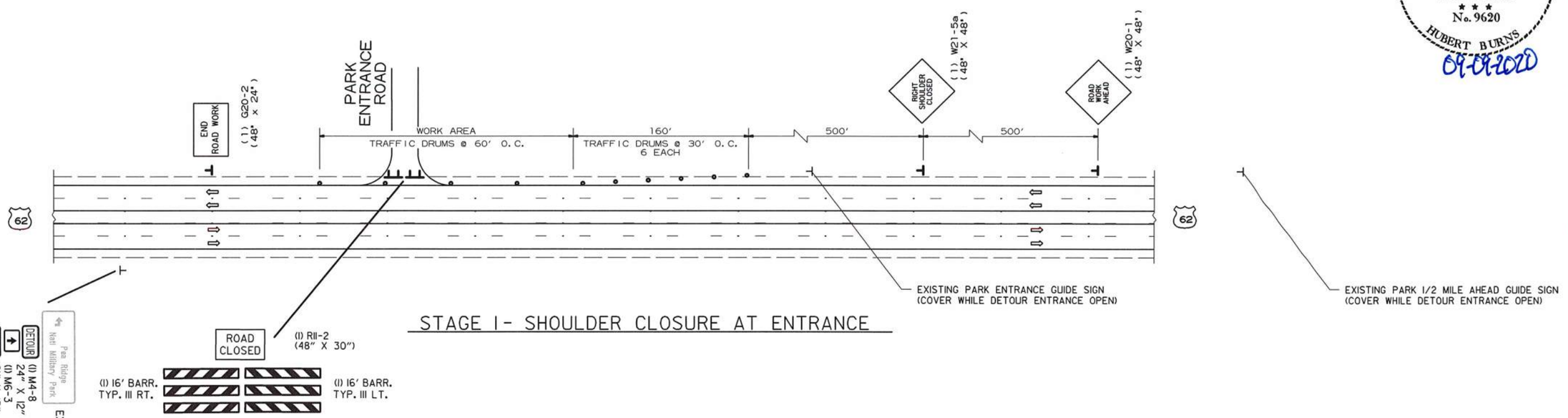
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 26 | 151 |

(2) MAINTENANCE OF TRAFFIC DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020




## STAGE 1- SHOULDER CLOSURE AT ENTRANCE

STAGE 1

1) INSTALL ADVANCE WARNING SIGNS.

2) USE LIBERTY ROAD/ORIGINAL HWY. 62 ROADBED FOR TEMPORARY TRAFFIC.

3) FURNISH & INSTALL P.C.C.B., BARRICADES, & DETOUR SIGNS.

4) ROUTE PARK ENTRANCE TRAFFIC ONTO LIBERTY ROAD/ORIGINAL HWY. 62 ROADBED.

5) RECONSTRUCT PARK ENTRANCE.

STAGE 2

1) MAINTAIN ADVANCE WARNING SIGNS.

2) OPEN NEW PARK ENTRANCE ROAD.

3) MAINTAIN TRAFFIC WHILE CONSTRUCTING PARK NEW PARKING, TOUR ROAD, TWO-TRACK.

4) ROUTE PARK TRAFFIC ONTO NEW TOUR ROAD/ELKHORN PARKING.

5) DEMO ORIGINAL HWY. 62 ROADBED & ORIGINAL TOUR ROAD.

# STAGE 1
# PARK ENTRANCE ROAD CLOSURE
# MAINTENANCE OF TRAFFIC DETAILS

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| | | | | 6 | ARK. | | | |
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(2) MAINTENANCE OF TRAFFIC DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
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VISITOR CENTER

ABANDONED ORIGINAL HWY. 62 ROADBED

VISITOR CENTER ENTRANCE ROAD

ABANDONED ORIGINAL HWY. 62 ROADBED

OLD LIBERTY ROAD

EXIST. R/W

TEMP. CONST. ESMT.

EXIST. CONST. ESMT.

EXIST. PERM. ESMT.

PARKING

FLYING FEED & FARM SUPPLY

P.C. 38+27.29

P.T. 38+17.88

P.I. 37+78.70

P.C. 36+90.73

P.C. 140+04.93

P.I. 143+54.81

P.C.E. 21+74.74

P.T. 21+19.08

P.I. 19+98.05

P.C. 18+76.99

N26°19'40"W

N70°58'44"E

N70°33'15"E

N00°00'25"E

N02°49'29"E

N73°55'51"E

STA. 130+68.00 DEMO BASELINE
END EXIST. PAVEMENT

STA. 20+10.00 OLD LIBERTY RD.
END EXIST. PAVEMENT

(2 LOCATIONS)

(1) RII-2 (48" X 30")
ROAD CLOSED
(1) WI-7 (48" X 24")
(2) 16' BARR. TYP. III LT.
(1) 16' BARR. TYP. III RT.

(1) RII-2 (48" X 30")
ROAD CLOSED
(1) 16' BARR. TYP. III RT.
(1) 16' BARR. TYP. III LT.

(1) RII-2 (48" X 30")
ROAD CLOSED
(1) WI-7 (48" X 24")
(1) 16' BARR. TYP. III RT.
(1) 16' BARR. TYP. III LT.

SPECIAL STA. 351+50 LT. (36" X 30")
Pea Ridge Natl Military Park
DETOUR
(1) M4-10R (48" X 18")

SPECIAL STA. 352+50 RT. (36" X 30")
Pea Ridge Natl Military Park
DETOUR
(1) M4-10L (48" X 18")

135 140 20 355 350 345

62

STAGE 1
TEMPORARY PARK ENTRANCE
MAINTENANCE OF TRAFFIC DETAILS

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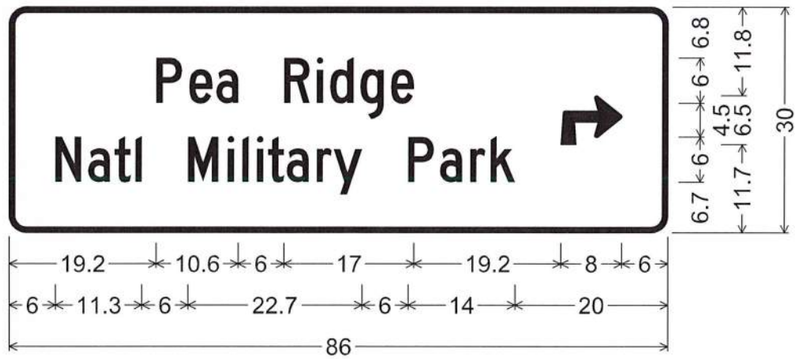
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 28 | 151 |

(2) MAINTENANCE OF TRAFFIC DETAILS

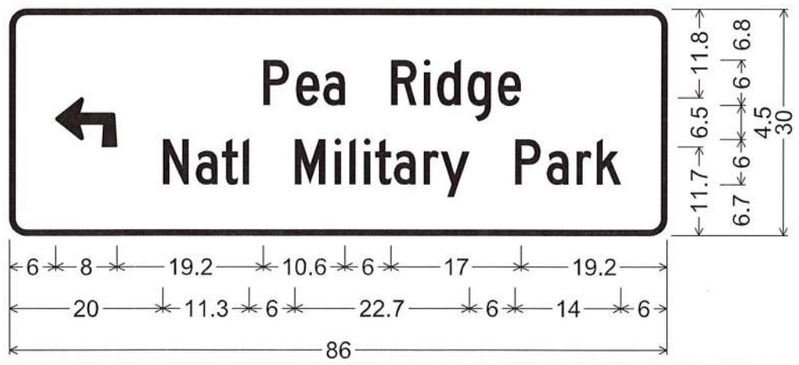
PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
* * *
No. 9620
HUBERT BURNS
09-09-2020




SSR3-STA956+07SB-LT;
2.3" Radius, 0.8" Border, White on, Brown;
"Pea Ridge", C 2K; "Natl Military Park", C 2K;
90 Deg Advance Turn Arrow 8.0" X 6.5";

**HWY. 62 STA. 357+50 LT**




SSR3-STA956+07SB-LT;
2.3" Radius, 0.8" Border, White on, Brown;
90 Deg Advance Turn Arrow 8.0" X 6.5";
"Pea Ridge", C 2K; "Natl Military Park", C 2K;

**HWY. 62 STA. 352+50 RT**

SIGNAGE DETAILS
MAINTENANCE OF TRAFFIC DETAILS

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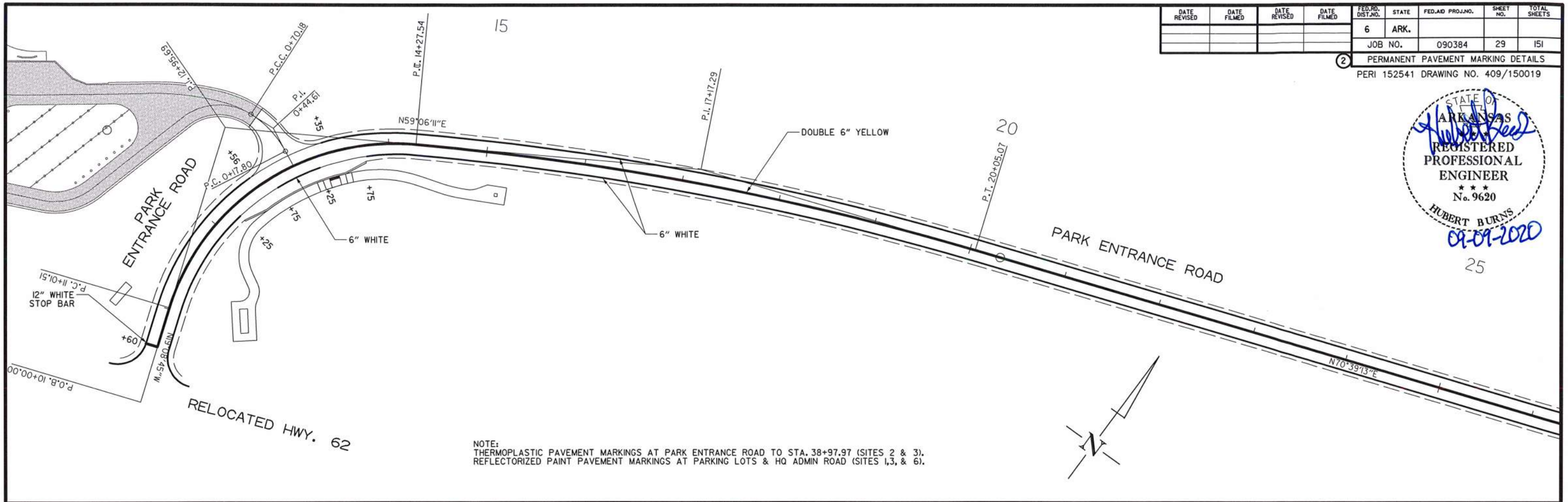
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 29 | 151 |

(2) PERMANENT PAVEMENT MARKING DETAILS

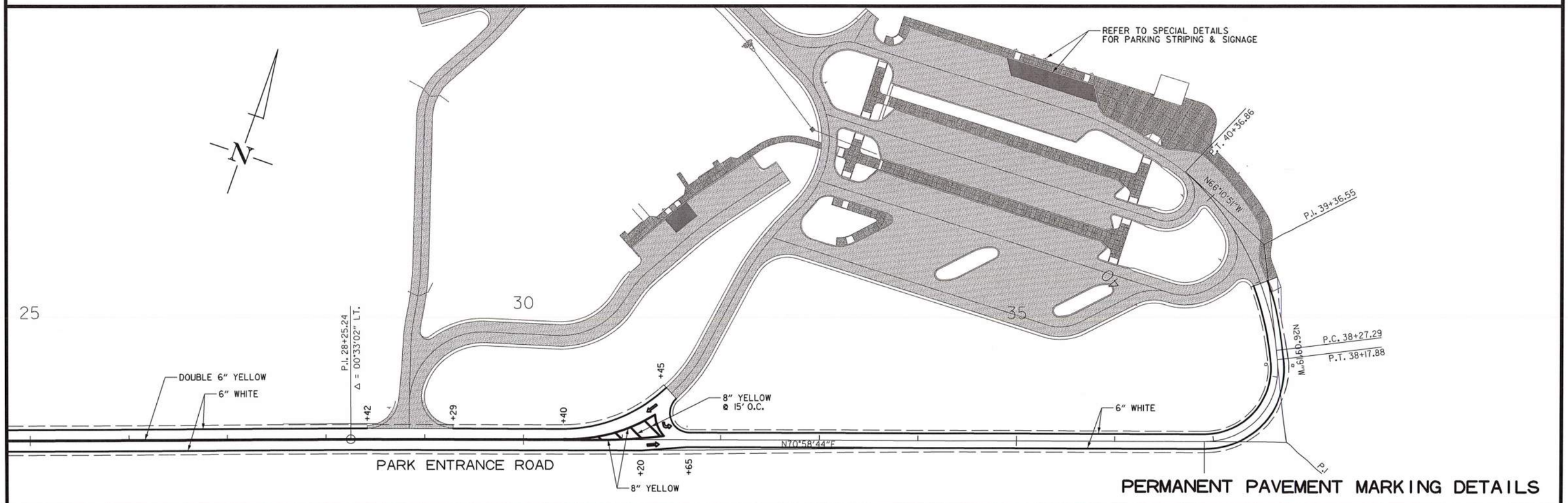
PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER ★ ★ ★ No. 9620 HUBERT BURNS

09-09-2020




NOTE:
THERMOPLASTIC PAVEMENT MARKINGS AT PARK ENTRANCE ROAD TO STA. 38+97.97 (SITES 2 & 3).
REFLECTORIZED PAINT PAVEMENT MARKINGS AT PARKING LOTS & HQ ADMIN ROAD (SITES 1,3, & 6).




# PERMANENT PAVEMENT MARKING DETAILS

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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 30 | 151 |

(2) PERMANENT PAVEMENT MARKING DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
* * *
No. 9620
HUBERT BURNS
09-09-2020

P.O.B. 50+42.54
P.C. 51+03.15
P.R.C. 52+17.96
P.I. 52+68.67
P.T. 104+17.95
P.T. 53+19.12
P.C. 53+53.05
P.C. 101+42.46
P.I. 109
P.T. 111+00.7
P.C. 112+11.01
P.I. 113+50.14
P.I. 55+75.85
P.T. 57+88.11
P.C. 58+95.98
P.T. 60+76.77
P.I. 59+88.89
P.I. 51+60.69

105 55 60 65

S83°14'14"E
N87°21'56"E
S82°31'09"E
N77°32'27"E
S68°14'47"E
S89°15'55"E
S52°03'53"E

PARK TOUR ROAD (ONE-WAY)

REFER TO SPECIAL DETAILS FOR PARKING STRIPING & SIGNAGE

P.I. 64+64.21
S84°36'28"E
P.C.C. 64+95.11
P.C. 64+31.96

NOTE:
THERMOPLASTIC PAVEMENT MARKINGS AT PARK ENTRANCE ROAD TO STA. 38+97.97 (SITES 2 & 3).
REFLECTORIZED PAINT PAVEMENT MARKINGS AT PARKING LOTS & HQ ADMIN ROAD (SITES 1,3, & 6).

125 130 70

P.I. 122+66.91
P.C. 122+63.25
P.T. 123+00.27
P.I. 125+11.62
P.T. 127+57.70
P.I. 69+31.43
P.O.E. 130+18.75
P.T. 69+84.71
P.O.E. 72+28.33
P.C. 68+75.49
P.T. 67+87.56
P.I. 66+72.63
P.C. 121+44.00

S41°28'37"W
S54°58'02"W
S55°41'38"W
S25°06'39"W
S66°16'48"E
S82°49'55"E

TWO-TRACK

PARK TOUR ROAD (ONE-WAY)

P.C.C. 64+95.11
P.C. 64+31.96

# PERMANENT PAVEMENT MARKING DETAILS

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 31 | 151 |
| | | | | (2) | QUANTITIES | | | |

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

## ADVANCE WARNING SIGNS AND DEVICES

| SIGN NUMBER | DESCRIPTION | SIGN SIZE | STAGE 1 | MAXIMUM NUMBER REQUIRED | TOTAL SIGNS REQUIRED | | TRAFFIC DRUMS | BARRICADES (TYPE III) | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | RIGHT | LEFT |
| | | | LIN. FT. - EACH | | NO. | SQ. FT. | EACH | LIN. FT. | |
| M4-8 | DETOUR | 24"x12" | 1 | 1 | 1 | 2.0 | | | |
| M4-10L | DETOUR - ARROW LEFT | 48"x18" | 1 | 1 | 1 | 6.0 | | | |
| M4-10R | DETOUR - ARROW RIGHT | 48"x18" | 1 | 1 | 1 | 6.0 | | | |
| M6-3 | ARROW - AHEAD | 21"x15" | 1 | 1 | 1 | 2.2 | | | |
| W20-1 | ROAD WORK AHEAD | 48"x48" | 1 | 1 | 1 | 16.0 | | | |
| G20-2 | END ROAD WORK | 48"x24" | 1 | 1 | 1 | 8.0 | | | |
| R11-2 | ROAD CLOSED | 48"x30" | 6 | 6 | 6 | 60.0 | | | |
| W1-6 | LARGE ARROW | 48"x24" | 1 | 1 | 1 | 8.0 | | | |
| W1-7 | LARGE ARROW | 48"x24" | 2 | 2 | 2 | 16.0 | | | |
| W21-5a | RIGHT SHOULDER CLOSED | 36"x36" | 1 | 1 | 1 | 9.0 | | | |
| W16-3a | DISTANCE PLAQUE - 1 MILE | 30"x12" | 1 | 1 | 1 | 2.5 | | | |
| SPECIAL | PEA RIDGE NATL MILITARY PARK - RIGHT | 86"x30" | | | 1 | 18.0 | | | |
| SPECIAL | PEA RIDGE NATL MILITARY PARK - LEFT | 86"x30" | | | 1 | 18.0 | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | TRAFFIC DRUMS | | 25 | 25 | | | 25 | | |
| | | | | | | | | | |
| | TYPE III BARRICADE-RT. (16') | | 5 | 5 | | | | 80 | |
| | TYPE III BARRICADE-LT. (16') | | 7 | 7 | | | | | 112 |
| | | | | | | | | | |
| | | | | | | | | | |
| TOTALS: | | | | | | 171.7 | 25 | 80 | 112 |

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

## CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

| DESCRIPTION | SITE 1 | SITE 2 | SITE 3 | SITE 4 | SITE 6 | THERMOPLASTIC PAVEMENT MARKING | | | | REFLECTORIZED PAINT PAVEMENT MARKING | | | | | | | CAR BAY MARKING DOTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 6" | | 8" | 12" | 6" | | 12" | 4" | 4" | ARROWS | SYMBOLS (WHEELCHAIR) | |
| | | | | | | WHITE | YELLOW | YELLOW | WHITE | WHITE | YELLOW | WHITE | WHITE | BLUE | | | |
| | LIN. FT. - EACH | | | | | LIN. FT. | | | | LIN. FT. | | | | | EACH | EACH | EACH |
| THERMOPLASTIC PAVEMENT MARKING WHITE (6") | | 2796 | 2745 | | | 5541 | | | | | | | | | | | |
| THERMOPLASTIC PAVEMENT MARKING YELLOW (6") | | 2880 | 1082 | | | | 3962 | | | | | | | | | | |
| THERMOPLASTIC PAVEMENT MARKING YELLOW (8") | | | 280 | | | | | 280 | | | | | | | | | |
| THERMOPLASTIC PAVEMENT MARKING WHITE (12") | | 12 | | | | | | | 12 | | | | | | | | |
| REFLECTORIZED PAINT PAVEMENT MARKING WHITE (4") | 420 | | 2448 | | 240 | | | | | | | | 3108 | | | | |
| REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6") | | | 100 | | | | | | | 100 | | | | | | | |
| REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6") | | | 1285 | | 500 | | | | | | 1785 | | | | | | |
| REFLECTORIZED PAINT PAVEMENT MARKING WHITE (12") | 75 | | 326 | | | | | | | | | 401 | | | | | |
| REFLECTORIZED PAINT PAVEMENT MARKING BLUE (4") | 190 | | 825 | | 140 | | | | | | | | | 1155 | | | |
| REFLECTORIZED PAINT PAVEMENT MARKING SYMBOLS (ARROWS) | | | 19 | | | | | | | | | | | | 19 | | |
| REFLECTORIZED PAINT PAVEMENT MARKING SYMBOLS (WHEELCHAIR) | 4 | | 7 | | 1 | | | | | | | | | | | 12 | |
| CAR BAY MARKING DOTS | | | | 110 | | | | | | | | | | | | | 110 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| TOTALS: | | | | | | 5541 | 3962 | 280 | 12 | 100 | 1785 | 401 | 3108 | 1155 | 19 | 12 | 110 |

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

THERMOPLASTIC PAVEMENT MARKINGS AT PARK ENTRANCE ROAD TO STA. 38+97.97 (SITES 2 & 3).
REFLECTORIZED PAINT PAVEMENT MARKINGS AT PARKING LOTS & HQ ADMIN ROAD (SITES 1,3, & 6).

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QUANTITIES

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 32 | 151 |

(2) QUANTITIES

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-17-2020

## CLEARING AND GRUBBING

| STATION | STATION | LOCATION | CLEARING | GRUBBING | CLEARING | GRUBBING |
|---|---|---|---|---|---|---|
| | | | STATION | | ACRES | |
| 52+18 | 60+97 | SITE 1 - ELKHORN TOUR RD | 9 | 9 | | |
| 64+95 | 70+35 | SITE 1 - ELKHORN TOUR RD | 6 | 6 | | |
| 122+55 | 130+04 | SITE 1 - ELKHORN TWO TRACK | 8 | 8 | | |
| | | SITE 1 - ELKHORN PARKING | | | 2.00 | 2.00 |
| 10+32 | 25+00 | SITE 2 - ENTRANCE ROAD | 15 | 15 | | |
| 25+00 | 38+98 | SITE 3 - ENTRANCE ROAD | 14 | 14 | | |
| | | SITE 3 - VISITOR CENTER PARKING | | | 1.10 | 1.10 |
| | | SITE 4 - HORSE TRAILER PARKING | | | 2.10 | 2.10 |
| 69+52 | 156+47 | SITE 5 - ABANDONDED HWY. 62 ROADBED | 87 | 87 | | |
| | | SITE 6 - HQ ADMIN ROAD | | | 1.10 | 1.10 |
| | | | | | | |
| | | | | | | |
| TOTALS: | | | 139 | 139 | 6.30 | 6.30 |

## CONCRETE WALKS & HAND RAILING

| STATION | STATION | LOCATION | LENGTH | CONCRETE WALKS | COLORED CONCRETE WALKS | EXPOSED AGGREGATE | CONCRETE STEPS | HAND RAILING | HAND RAILING (TYPE SPECIAL) |
|---|---|---|---|---|---|---|---|---|---|
| | | | LIN. FT. | SQ.YD. | SQ.YD. | SQ.YD. | SQ.YD. | LIN. FT. | LIN. FT. |
| -- | | SITE 1 - ELKHORN TAVERN PARKING AREA | -- | 2102 | 60 | 5 | | | |
| 122+30 | 123+28 | SITE 1 - ELKHORN TAVERN TWO-TRACK | 98 | | 54 | | | | |
| 123+11 | 123+25 | SITE 1 - ELKHORN TAVERN TWO-TRACK RT. | 14 | | | 4 | | | |
| 10+87 | 15+25 | SITE 2 - PARK ENTRANCE ROAD RT. | 438 | 526 | | | | | |
| -- | | SITE 3 - VISITORS CENTER PARKING | -- | 1912 | | | 1 | | |
| -- | | SITE 4 - HORSE TRAILER PARKING | -- | | | | | | 70 |
| -- | | SITE 6 - HQ ADMIN ROAD | -- | 213 | | | | 125 | |
| | | | | | | | | | |
| | | | | | | | | | |
| TOTALS: | | | | 4753 | 114 | 9 | 1 | 125 | 70 |

## REMOVAL AND DISPOSAL OF CULVERTS AND DROP INLETS

| STATION | DESCRIPTION | PIPE CULVERTS | BOX CULVERTS | DROP INLETS |
|---|---|---|---|---|
| | | LIN. FT. | EACH | EACH |
| 107+50 | SITE 1 - ELKHORN ORIGINAL TOUR ROADBED 22" X 16" X 32' C.M. ARCH PIPE CULVERT | 32 | | |
| 110+00 | SITE 1 - ELKHORN ORIGINAL TOUR ROADBED 25" X 16" X 32' C.M. ARCH PIPE CULVERT | 32 | | |
| 113+50 | SITE 1 - ELKHORN ORIGINAL TOUR ROADBED 29" X 16" X 32' C.M. ARCH PIPE CULVERT | 32 | | |
| 12+60 | SITE 2 - ENTRANCE ROAD 18" X 85' ABANDONED C.M.P. SIDE DRAIN | 85 | | |
| -- | SITE 3 - VISITORS CENTER PARKING 18" C.M. PIPE CULVERTS & GRATE INLET | 200 | | 1 |
| 70+16 | SITE 5 - ABANDONED HWY. 62 ROADBED 24" X 62' R.C. PIPE CULVERT | 62 | | |
| 110+52 | SITE 5 - ABANDONED HWY. 62 ROADBED 24" X 46' R.C. PIPE CULVERT | 46 | | |
| 119+82 | SITE 5 - ABANDONED HWY. 62 ROADBED 5' X 5' X 59' R.C. BOX CULVERT | | 1 | |
| 127+50 | SITE 5 - ABANDONED HWY. 62 ROADBED 24" X 42' R.C. PIPE CULVERT | 42 | | |
| 149+26 | SITE 5 - ABANDONED HWY. 62 ROADBED 60" X 54' C.M. PIPE CULVERT | 54 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTALS: | | 585 | 1 | 1 |

NOTE: QUANTITIES SHOWN ABOVE SHALL INCLUDE REMOVAL & DISPOSAL OF ALL HEADWALLS AND FLARED END SECTIONS IF APPLICABLE.

## RETAINING WALLS

| STATION | STATION | LOCATION | ARCHITECTURAL FINISH | RETAINING WALL | RETAINING WALL W/FORMLINER AND COLOR ADDITIVE |
|---|---|---|---|---|---|
| | | | SQ.FT. | SQ.FT. | SQ.FT. |
| | | SITE 4 - HORSE TRAILER PARKING | 450 | | 450 |
| | | SITE 6 - HQ ADMIN ROAD | | 130 | |
| | | | | | |
| TOTALS: | | | 450 | 130 | 450 |

## WHEELCHAIR RAMPS

| STATION | LOCATION | TYPE SPECIAL |
|---|---|---|
| | | SQ.YD. |
| -- | SITE 1 - ELKHORN TAVERN PARKING | 75.0 |
| 13+40 | SITE 2 - ENTRANCE ROAD RT. | 26.0 |
| -- | SITE 3 - VISITORS CENTER PARKING | 52.0 |
| -- | SITE 6 - HQ ADMIN ROAD | 14.0 |
| | | |
| | | |
| | | |
| | | |
| | | |
| TOTAL: | | 167.0 |

## WHEEL STOPS

| LOCATION | EACH |
|---|---|
| SITE 1 - ELKHORN TAVERN PARKING | 4 |
| SITE 3 - VISITORS CENTER PARKING | 16 |
| SITE 6 - HQ ADMIN ROAD | 2 |
| | |
| | |
| | |
| TOTAL: | 22 |

## REMOVAL AND DISPOSAL OF ITEMS

| STATION | STATION | LOCATION | CURB AND GUTTER | WALKS | SIGNS |
|---|---|---|---|---|---|
| | | | LIN. FT. | SQ. YD. | EACH |
| -- | | SITE 1 - ELKHORN TAVERN PARKING | | 545 | |
| -- | | SITE 3 - VISTORS CENTER PARKING | 1182 | 590 | 16 |
| -- | | SITE 4 - HORSE TRAILER PARKING | | | 2 |
| -- | | SITE 6 - HQ ADMIN ROAD | | 40 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTALS: | | | 1182 | 1175 | 18 |

## CONCRETE COMBINATION CURB AND GUTTER

| STATION | STATION | LOCATION | TYPE A (1' 6") | TYPE B |
|---|---|---|---|---|
| | | | LIN. FT. | LIN. FT. |
| 64+95 | 65+07 | SITE 1 - PARK TOUR ROAD | 12 | |
| -- | | SITE 1 - ELKHORN TAVERN PARKING | 880 | |
| 12+25 | 13+75 | SITE 2 - PARK ENTRANCE PULL OUT RT | 150 | |
| -- | | SITE 3 - VISITORS CENTER PARKING | 2638 | |
| -- | | SITE 4 - HORSE TRAILER PARKING | | 1052 |
| -- | | SITE 6 - HQ ADMIN ROAD | 225 | |
| | | | | |
| | | | | |
| | | | | |
| TOTALS: | | | 3905 | 1052 |

## REMOVAL AND DISPOSAL OF FENCE

| STATION | STATION | LOCATION | FENCE |
|---|---|---|---|
| | | | LIN. FT. |
| -- | | SITE 3 - VISITORS CENTER PARKING | 100 |
| -- | | SITE 6 - HQ ADMIN ROAD | 50 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| TOTAL: | | | 150 |

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QUANTITIES

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 33 | 151 |

(2) QUANTITIES

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9620 HUBERT BURNS

09-09-2020

## EARTHWORK

| STATION | STATION | LOCATION / DESCRIPTION | UNCLASSIFIED EXCAVATION | COMPACTED EMBANKMENT | * SOIL STABILIZATION |
|---|---|---|---|---|---|
| | | | CU. YD. | | TON |
| 52+17.96 | 60+97.49 | SITE 1 - ELKHORN TAVERN TOUR ROAD | 1288 | 538 | |
| -- | | SITE 1 - ELKHORN TAVERN PARKING | 580 | 6785 | |
| 64+95.11 | 70+34.96 | SITE 1 - ELKHORN TAVERN TOUR ROAD | 42 | 649 | |
| 104+19.59 | 122+39.21 | SITE 1 - ELKHORN ORIGINAL TOUR ROAD DEMO | 2354 | 210 | |
| 122+55.39 | 130+03.83 | SITE 1 - ELKHORN TWO TRACK | 495 | | |
| 10+31.50 | 25+00.00 | SITE 2 - ENTRANCE ROAD | 3551 | 463 | |
| 13+00 RT | | SITE 2 - ENTRANCE ROAD APPROACH | | 15 | |
| 25+00.00 | 38+97.97 | SITE 3 - ENTRANCE ROAD | 4476 | | |
| -- | | SITE 3 - VISITORS CENTER PARKING | 12000 | 225 | |
| -- | | SITE 4 - HORSE TRAILER PARKING | 2100 | 1210 | |
| 69+51.50 | 70+50.00 | SITE 5 - ABANDONDED HWY. 62 ROADBED DEMO | 770 | 86 | |
| 101+12.60 | 156+46.94 | SITE 5 - ABANDONDED HWY. 62 ROADBED DEMO | 22234 | 13140 | |
| 127+32 RT | | SITE 5 - APPROACH REMOVAL/REGRADING | 1 | 38 | |
| -- | | SITE 6 - HQ ADMIN ROAD | 1900 | 80 | |
| | | | | | |
| | | | | | |
| * ENTIRE | PROJECT | TO BE USED IF AND WHERE | | | 300 |
| | | DIRECTED BY THE ENGINEER | | | |
| | | | | | |
| TOTALS: | | | 51791 | 23439 | 300 |

* QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.

## TOPSOIL

| STATION | STATION | LOCATION | AVERAGE DEPTH | TOPSOIL FURNISHED & PLACED | REMOVE & REPLACE TOPSOIL |
|---|---|---|---|---|---|
| | | | INCHES | CU. YDS. | CU. YDS. |
| 51+67.96 | 60+97.49 | SITE 1 - PARK TOUR ROAD | 4 | 360.55 | |
| -- | | SITE 1 - ELKHORN PARKING & TRAIL | 4 | 750.00 | |
| 66+42.24 | 71+34.96 | SITE 1 - PARK TOUR ROAD | 4 | 156.84 | |
| 104+19.59 | 122+39.21 | SITE 1 - ORIGINAL TOUR ROADBED DEMOLITION | 6 | 1117.85 | |
| 122+55.39 | 130+03.83 | SITE 1 - ELKHORN TWO-TRACK | 6 | 300.81 | |
| 10+31.50 | 25+00.00 | SITE 2 - PARK ENTRANCE ROAD | 4 | 569.37 | |
| 25+00.00 | 38+97.97 | SITE 3 - VISITORS CENTER ENTRANCE ROAD | 4 | 760.67 | |
| -- | | SITE 3 - VISITORS CENTER PARKING | 4 | 825.00 | |
| -- | | SITE 4 - HORSE TRAILER PARKING | 4 | 480.00 | |
| 69+51.50 | 70+50.00 | SITE 5 - ORIGINAL HWY. 62 ROADBED DEMOLITION | 6 | | 179.75 |
| 101+12.60 | 156+46.94 | SITE 5 - ORIGINAL HWY. 62 ROADBED DEMOLITION | 6 | | 8808.50 |
| -- | | SITE 6 - HQ ADMIN ROAD | 4 | 355.00 | |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTALS: | | | | 5676.09 | 8988.25 |

## FENCING

| STATION | STATION | LOCATION | TEMPORARY FENCE | WELDED PIPE | WELDED PIPE GATES (12') | CANTILEVER CHAIN LINK GATE ASSEMBLY |
|---|---|---|---|---|---|---|
| | | | LIN. FT. | LIN. FT. | EACH | EACH |
| -- | -- | SITE 1 - TREE PROTECTION | 200 | | | |
| 104+35 | 105+77 | SITE 1 - TOUR ROAD DEMO | 920 | | | |
| 52+18 | 70+35 | SITE 1 - ELKHORN TOUR ROAD LT. & RT. | 3924 | | | |
| 120+80 | 122+50 | SITE 1 - ELKHORN TWO TRACK RT. | 175 | | | |
| 30+58 | 31+02 | SITE 3 - ENTRANCE ROAD LT. | 43 | | | |
| -- | -- | SITE 4 - HORSE TRAIL PARKING | 100 | 1450 | 4 | |
| 100+80 | 101+50 | SITE 5 - ABANDONED HWY. 62 ROADBED | 200 | | | |
| | | SITE 6 - HQ ADMIN ROAD | | | | 2 |
| *ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. | | | 1200 | | | |
| | | | | | | |
| TOTALS: | | | 6762 | 1450 | 4 | 2 |

*QUANTITIES ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.

## STRUCTURES

| STATION | DESCRIPTION | REINFORCED CONCRETE PIPE CULVERT (CLASS III) | | | | | FLARED END SECTIONS FOR R.C. PIPE | DROP INLETS | | | HEADWALLS | CONCRETE FLUME (3') | SIDEWALK UNDERDRAIN | STD. DWG. NOS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | TYPE | | EXT. | | | | |
| | | 18" | 24" | 22"X14" | 29"X18" | 36"X23" | 18" | E | MO | 4' | | | | |
| | | LIN. FT. | | | | | EACH | | | | | LIN. FT. | | |
| 55+25 | SITE 1 - TOUR ROAD CONSTRUCT 22" X 14" X 32' R.C. ARCH PIPE CULVERT W/HDWLS | | | 32 | | | | | | | 2 | | | PCC-1 |
| 56+25 | SITE 1 - TOUR ROAD CONSTRUCT 29" X 18" X 32' R.C. ARCH PIPE CULVERT W/HDWLS | | | | 32 | | | | | | 2 | | | PCC-1 |
| 60+00 | SITE 1 - TOUR ROAD CONSTRUCT 36" X 23" X 37' R.C. ARCH PIPE CULVERT W/HDWLS | | | | | 37 | | | | | 2 | | | PCC-1 |
| 67+00 | SITE 1 - TOUR ROAD CONSTRUCT 22" X 14" X 28' R.C. ARCH PIPE CULVERT W/HDWLS | | | 28 | | | | | | | 2 | | | PCC-1 |
| | SITE 3 - VISITORS CENTER PARKING | 70 | 131 | | | | 3 | 1 | 1 | 1 | | 30 | 20 | FES-2,FPC-9,FPC-9M,PCC-1 |
| | SITE 6 - HQ ADMIN ROAD | 58 | | | | | | | | | 2 | | | PCC-1 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS: | | 128 | 131 | 60 | 32 | 37 | 3 | 1 | 1 | 1 | 10 | 30 | 20 | |

NOTE: FOR R.C. PIPE CULVERT INSTALLATIONS USE TYPE 3 BEDDING UNLESS OTHERWISE SPECIFIED.

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QUANTITIES

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 34 | 151 |

(2) QUANTITIES

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

## EROSION CONTROL

| STATION | STATION | LOCATION | PERMANENT EROSION CONTROL | | | | | TEMPORARY EROSION CONTROL | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SPECIAL SEEDING | LIME | SPECIAL MULCH COVER | WATER | SPECIAL SECOND SEEDING APPLICATION | TEMPORARY SEEDING | SPECIAL MULCH COVER | WATER | WATTLE (20") DITCH CHECKS (E-1) | SAND BAG DITCH CHECKS (E-5) | SILT FENCE (E-11) | FILTER SOCK (18") (E-13) | EROSION CONTROL BLANKET | *SEDIMENT REMOVAL & DISPOSAL |
| | | | ACRE | TON | ACRE | M.GAL. | ACRE | ACRE | ACRE | M.GAL. | LIN. FT. | BAG | LIN. FT. | LIN. FT. | SQ. YD. | CU. YD. |
| 52+18 | 70+35 | SITE 1 CLEARING & GRUBBING - ELKHORN PARKING/TOUR RD/TWO-TRACK | | | | | | | | | 18 | | 3942 | | | 148 |
| 52+18 | 70+35 | SITE 1 STAGE 1 - ELKHORN PARKING/TOUR ROAD/TWO-TRACK | 4.04 | 8.08 | 4.04 | 412.1 | 4.04 | 4.04 | 4.04 | 82.4 | 252 | 660 | | | | 58 |
| 10+32 | 25+00 | SITE 2 CLEARING & GRUBBING - ENTRANCE ROAD | | | | | | | | | 36 | 110 | 760 | | | 37 |
| 10+32 | 25+00 | SITE 2 STAGE 1 - ENTRANCE ROAD | 1.06 | 2.12 | 1.06 | 108.1 | 1.06 | 1.06 | 1.06 | 21.6 | 18 | 22 | | | | 3 |
| 25+00 | 38+98 | SITE 3 CLEARING & GRUBBING - VISITORS CENTER ENTRANCE/PARKING | | | | | | | | | 36 | 88 | 1102 | | | 49 |
| 25+00 | 38+98 | SITE 3 STAGE 1 - VISITORS CENTER ENTRANCE/PARKING | 2.84 | 5.68 | 2.84 | 289.7 | 2.84 | 2.84 | 2.84 | 57.9 | 36 | 110 | | 108 | 25 | 13 |
| -- | | SITE 4 CLEARING & GRUBBING - HORSE TRAILER PARKING | | | | | | | | | 9 | | 589 | | | 23 |
| -- | | SITE 4 STAGE 1 - HORSE TRAILER PARKING | 0.75 | 1.50 | 0.75 | 76.5 | 0.75 | 0.75 | 0.75 | 15.3 | | | | | | 2 |
| 69+52 | 156+47 | SITE 5 CLEARING & GRUBBING - ORIGINAL HWY. 62 ROADBED DEMO | | | | | | | | | 18 | | 4613 | | | 171 |
| 69+52 | 156+47 | SITE 5 STAGE 1 - ORIGINAL HWY. 62 ROADBED DEMO | 11.20 | 22.40 | 11.20 | 1142.4 | 11.20 | 11.20 | 11.20 | 228.5 | | | | | | |
| -- | | SITE 6 CLEARING & GRUBBING - HQ ADMIN ROAD | | | | | | | | | | | 300 | | | 34 |
| -- | | SITE 6 STAGE 1 - HQ ADMIN ROAD | 1.00 | 2.00 | 1.00 | 102.0 | 1.00 | 1.00 | 1.00 | 20.4 | | | | | | |
| | | | | | | | | | | | | | | | | |
| *ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. | | | 3.00 | 6.00 | 3.00 | 306.0 | 3.00 | 3.00 | 3.00 | 61.2 | 108 | 242 | 2261 | 72 | 300 | 86 |
| | | | | | | | | | | | | | | | | |
| TOTALS: | | | 23.89 | 47.78 | 23.89 | 2436.8 | 23.89 | 23.89 | 23.89 | 487.3 | 531 | 1232 | 13567 | 180 | 325 | 624 |

BASIS OF ESTIMATE:
LIME .....2 TONS / ACRE OF SEEDING
WATER.....102.0 M.G. / ACRE OF SEEDING
WATER.....20.4 M.G. / ACRE OF TEMPORARY SEEDING
WATTLE DITCH CHECKS.....9 LIN. FT. / LOCATION
SAND BAG DITCH CHECKS.....22 BAGS / LOCATION
FILTER SOCK INLET PROTECTION...36 LIN.FT./LOCATION

NOTE: THE TEMPORARY EROSION CONTROL DEVICES SHOWN ABOVE AND ON THE PLANS SHALL BE INSTALLED IN SUCH A SEQUENCE AS TO DETER EROSION AND SEDIMENTATION ON U.S. WATERWAYS AS EXPLAINED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT.

*QUANTITIES ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.

## SIGNS AND SUPPORTS

| SIGN NUMBER | DESCRIPTION | SIGN SIZE | SITE 1 ELKHORN TAVERN PARKING | SITE 3 VISITORS CENTER PARKING | SITE 6 HQ ADMIN RD. | TOTAL SIGNS REQUIRED | | SUPPORT ASSEMBLY TYPE A | STANDARD DRAWING NUMBER |
|---|---|---|---|---|---|---|---|---|---|
| | | | LIN. FT. - EACH | | | NO. | SQ. FT. | EACH | |
| R1-1 | STOP | 30"x30" | | | 1 | 1 | 6.3 | 1 | SHS-1, SHS-2 |
| R1-2 | YIELD | 36"x36"x36" | | 3 | | 3 | 13.5 | 3 | SHS-1, SHS-2 |
| R7-8 | RESERVED PARKING (ACCESSIBLE SYMBOL) | 12"x18" | 4 | 6 | 1 | 11 | 16.5 | 11 | SHS-1, SHS-2 |
| R7-8A or B | VAN ACCESSIBLE | 12"x6" | 1 | 1 | 1 | 3 | 1.5 | | SHS-1, SHS-2 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TOTALS: | | | | | | | 37.8 | 15 | |

## CONDUIT & PULL BOXES

| LOCATION | NON-METALLIC CONDUIT | | CONCRETE PULL BOX | |
|---|---|---|---|---|
| | 1" | 2" | TYPE 1 | TYPE 2 |
| | LIN. FT. | | EACH | |
| HQ ADMIN ROAD | 1100 | 1100 | 10 | 1 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTALS: | 1100 | 1100 | 10 | 1 |

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QUANTITIES

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 35 | 151 |

(2) QUANTITIES

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

## DRIVEWAYS & TURNOUTS

| STATION | SIDE | LOCATION | WIDTH | ACHM SURFACE COURSE (1/2") 220 LBS. PER SQ. YD. (PG 70-22) | | AGGREGATE BASE COURSE (CLASS 7) |
|---|---|---|---|---|---|---|
| | | | FEET | SQ. YD. | TON | TON |
| 13+00 | LT | SITE 2 - ENTRANCE ROAD | 24 | 175.59 | 19.31 | 71.70 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **TOTALS:** | | | | **175.59** | **19.31** | **71.70** |

BASIS OF ESTIMATE:
ACHM SURFACE COURSE (1/2").....94.1% MIN. AGGR.....5.9% ASPHALT BINDER
MAXIMUM NUMBER OF GYRATIONS = 160 FOR PG 70-22
THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER, WILL BE ALLOWED TO SUBSTITUTE A HIGHER PERFORMANCE GRADE ASPHALT SURFACE COURSE FOR DRIVEWAYS AND MINOR SIDE STREET CONSTRUCTION AT NO ADDITIONAL COST TO THE DEPARTMENT.

## BASE AND SURFACING

| STATION | STATION | LOCATION | LENGTH | AGGREGATE BASE COURSE (CLASS 7) | | TACK COAT (0.05 GAL. PER SQ. YD.) | | | ACHM SURFACE COURSE (1/2") | | | | PORTLAND CEMENT CONCRETE PAVING (6" UNIFORM THICKNESS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TON / STATION | TON | TOTAL WID. | SQ.YD. | GALLON | AVG. WID. | SQ.YD. | POUND / SQ.YD. | TOTAL PG 70-22 | |
| | | | FEET | | | FEET | | | FEET | | | TON | SQ. YDS. |
| **SITE 1 - ELKHORN TAVERN** | | | | | | | | | | | | | |
| 51+17.96 | 52+17.96 | PARK TOUR ROAD TRANSITION | 100.00 | 46.50 | 46.50 | 12.11 | 134.56 | 6.73 | 12.11 | 134.56 | 165.00 | 11.10 | |
| 52+17.96 | 60+97.49 | PARK TOUR ROAD | 879.53 | 93.00 | 817.96 | 12.00 | 1172.71 | 58.64 | 12.00 | 1172.71 | 330.00 | 193.50 | |
| -- | | PARKING AREA | | -- | 1150.00 | VAR. | 2090.91 | 104.55 | VAR. | 2090.91 | 330.00 | 345.00 | 110.00 |
| 64+95.11 | 70+34.96 | PARK TOUR ROAD | 539.85 | 93.00 | 502.06 | 12.00 | 719.80 | 35.99 | 12.00 | 719.80 | 330.00 | 118.77 | |
| 70+34.96 | 71+34.96 | PARK TOUR ROAD TRANSITION | 100.00 | 46.50 | 46.50 | 12.00 | 133.33 | 6.67 | 12.00 | 133.33 | 165.00 | 11.00 | |
| 119+95.00 | 122+55.39 | ELKHORN GRAVEL TRACKS ON BOTH SIDES OF EXIST. WALKWAY | 260.39 | 45.00 | 117.18 | | | | | | | | |
| 122+55.39 | 123+13.65 | ELKHORN NEW TWO-TRACK CONST. (COLORED CONC. W/GRAVEL) | 58.26 | 64.50 | 37.58 | | | | | | | | |
| 123+13.65 | 123+27.53 | ELKHORN NEW TWO-TRACK (COLORED CONC. W/EXP.AGG.RT.-GRV. | 13.88 | 63.00 | 8.74 | | | | | | | | |
| 123+27.53 | 130+03.83 | ELKHORN NEW TWO-TRACK CONSTRUCTION | 676.30 | 64.50 | 436.21 | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| **SITE 1 SUBTOTALS** | | | | | **3162.73** | | **4251.31** | **212.58** | | **4251.31** | | **679.37** | **110.00** |
| | | | | | | | | | | | | | |
| **SITE 2 - PARK ENTRANCE ROAD** | | | | | | | | | | | | | |
| 10+31.50 | 10+59.53 | ENTRANCE ROAD RETURN | 28.03 | VAR. | 37.68 | VAR. | 109.80 | 5.49 | VAR | 109.80 | 330.00 | 18.12 | |
| 10+59.53 | 13+50.00 | ENTRANCE ROAD | 290.47 | 204.75 | 594.74 | 36.00 | 1161.88 | 58.09 | 36.00 | 1161.88 | 330.00 | 191.71 | |
| 13+50.00 | 14+00.00 | ENTRANCE ROAD TRANSITION | 50.00 | 165.63 | 82.82 | 33.00 | 183.33 | 9.17 | 33.00 | 183.33 | 330.00 | 30.25 | |
| 14+00.00 | 25+00.00 | ENTRANCE ROAD | 1100.00 | 126.50 | 1391.50 | 30.00 | 3666.67 | 183.33 | 30.00 | 3666.67 | 330.00 | 605.00 | |
| 12+25.00 | 12+50.00 | ADDITIONAL FOR PULL OUT TRANSITION | 25.00 | 35.25 | 8.81 | 3.00 | 8.33 | 0.42 | 3.00 | 8.33 | 330.00 | 1.37 | |
| 12+50.00 | 13+50.00 | ADDITIONAL FOR PULL OUT | 100.00 | 70.50 | 70.50 | 6.00 | 66.67 | 3.33 | 6.00 | 66.67 | 330.00 | 11.00 | |
| 13+50.00 | 13+75.00 | ADDITIONAL FOR PULL OUT TRANSITION | 25.00 | 35.25 | 8.81 | 3.00 | 8.33 | 0.42 | 3.00 | 8.33 | 330.00 | 1.37 | |
| 10+59.50 | 11+84.50 | ADDITIONAL FOR SUPER TRANSITION | 125.00 | 31.38 | 39.23 | | | | | | | | |
| 11+84.50 | 13+96.29 | ADDITIONAL FOR MAX. SUPER | 211.79 | 62.75 | 132.90 | | | | | | | | |
| 13+96.29 | 15+21.29 | ADDITIONAL FOR SUPER TRANSITION | 125.00 | 31.38 | 39.23 | | | | | | | | |
| | | | | | | | | | | | | | |
| ENTIRE PROJECT | | TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER | | | 2000.00 | | | | | | | | |
| | | | | | | | | | | | | | |
| **SITE 2 SUBTOTALS** | | | | | **4406.22** | | **5205.01** | **260.25** | | **5205.01** | | **858.82** | |
| | | | | | | | | | | | | | |
| **SITE 3 - VISITOR CENTER** | | | | | | | | | | | | | |
| 25+00.00 | 30+40.98 | ENTRANCE ROAD | 540.98 | 126.50 | 684.34 | 30.00 | 1803.27 | 90.16 | 30.00 | 1803.27 | 330.00 | 297.54 | |
| 30+40.98 | 31+65.00 | ENTRANCE ROAD TRANSITION & RETURN | 124.02 | VAR. | 295.69 | VAR. | 583.62 | 29.18 | VAR | 583.62 | 330.00 | 96.30 | |
| 31+65.00 | 38+97.97 | ENTRANCE ROAD (ONE-WAY) | 732.97 | 119.75 | 877.73 | 33.00 | 2687.56 | 134.38 | 33.00 | 2687.56 | 330.00 | 443.45 | |
| -- | | PARKING AREA | | -- | 4313.00 | VAR. | 9763.64 | 488.18 | VAR. | 9763.64 | 330.00 | 1611.00 | 166.00 |
| | | | | | | | | | | | | | |
| **SITE 3 SUBTOTALS** | | | | | **6170.76** | | **14838.09** | **741.90** | | **14838.09** | | **2448.29** | **166.00** |
| | | | | | | | | | | | | | |
| **SITE 4 - HORSE TRAILER PARKING** | | | | | | | | | | | | | |
| -- | | PARKING AREA | | -- | 2660.00 | VAR. | 3224.24 | 161.21 | VAR. | 3224.24 | 330.00 | 532.00 | |
| | | | | | | | | | | | | | |
| **SITE 4 SUBTOTALS** | | | | | **2660.00** | | **3224.24** | **161.21** | | **3224.24** | | **532.00** | |
| | | | | | | | | | | | | | |
| **SITE 6 - PARK NON-PUBLIC ROADS** | | | | | | | | | | | | | |
| -- | | HQ ADMIN ROAD | | VAR. | 940.00 | VAR. | 2272.73 | 113.64 | VAR. | 2272.73 | 330.00 | 375.00 | 56.00 |
| | | | | | | | | | | | | | |
| **SITE 6 SUBTOTALS** | | | | | **940.00** | | **2272.73** | **113.64** | | **2272.73** | | **375.00** | **56.00** |
| **TOTALS:** | | | | | **17339.71** | | **29791.38** | **1489.58** | | **29791.38** | | **4893.48** | **332.00** |

QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STANDARD SPECIFICATIONS.
BASIS OF ESTIMATE:
ACHM SURFACE COURSE (1/2").....94.1% MIN. AGGR.....5.9% ASPHALT BINDER
MAXIMUM NUMBER OF GYRATIONS = 160 FOR PG 70-22
TACK COAT QUANTITIES WERE CALCULATED USING THE EMULSIFIED ASPHALT RATES. REFER TO SS-400-1 FOR THE RESIDUAL ASPHALT APPLICATION RATES.

USER: fs5l3
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\quantities\r090384_0ty.dgn
PLOTTED: 9/9/2020 08:27
SCALE: h2

QUANTITIES

## SUMMARY OF QUANTITIES

| ITEM NUMBER | ITEM | SITE 1 QUANTITY | SITE 2 QUANTITY | SITE 3 QUANTITY | SITE 4 QUANTITY | SITE 5 QUANTITY | SITE 6 QUANTITY | TOTAL | UNIT |
|---|---|---|---|---|---|---|---|---|---|
| SP & 201 | CLEARING | 2.00 | | 1.10 | | 2.10 | 1.10 | 6.30 | ACRE |
| SP & 201 | CLEARING | 23 | 15 | 14 | | 87 | | 139 | STATION |
| 201 | GRUBBING | 2.00 | | 1.10 | | 2.10 | 1.10 | 6.30 | ACRE |
| 201 | GRUBBING | 23 | 15 | 14 | | 87 | | 139 | STATION |
| 202 | REMOVAL AND DISPOSAL OF CURB AND GUTTER | | | 1182 | | | | 1182 | LIN. FT. |
| 202 | REMOVAL AND DISPOSAL OF FENCE | | | 100 | | 50 | | 150 | LIN. FT. |
| 202 | REMOVAL AND DISPOSAL OF PIPE CULVERTS | 96 | 85 | 200 | | 204 | | 585 | LIN. FT. |
| 202 | REMOVAL AND DISPOSAL OF WALKS | 545 | | 590 | | | 40 | 1175 | SQ. YD. |
| 202 | REMOVAL AND DISPOSAL OF DROP INLETS | | | 1 | | | | 1 | EACH |
| 202 | REMOVAL AND DISPOSAL OF BOX CULVERTS | | | | | 1 | | 1 | EACH |
| 202 | REMOVAL AND DISPOSAL OF SIGNS | | | 16 | 2 | | | 18 | EACH |
| SP, SS, & 210 | UNCLASSIFIED EXCAVATION | 4759 | 3551 | 16476 | 2100 | 23005 | 1900 | 51791 | CU. YD. |
| SP & 210 | COMPACTED EMBANKMENT | 8182 | 478 | 225 | 1210 | 13264 | 80 | 23439 | CU. YD. |
| SP | REMOVING AND REPLACING TOPSOIL | | | | | 8988 | | 8988 | CU. YD. |
| SP & 210 | SOIL STABILIZATION | 50 | 50 | 50 | 50 | 50 | 50 | 300 | TON |
| SS & 303 | AGGREGATE BASE COURSE (CLASS 7) | 3162 | 4478 | 6171 | 2660 | | 940 | 17411 | TON |
| SS & 401 | TACK COAT | 213 | 260 | 742 | 161 | | 114 | 1490 | GAL. |
| SP, SS, & 407 | MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2") | 639 | 826 | 2304 | 501 | | 353 | 4623 | TON |
| SP, SS, & 407 | ASPHALT BINDER (PG 70-22) IN ACHM SURFACE COURSE (1/2") | 40 | 52 | 144 | 31 | | 22 | 290 | TON |
| 501 | PORTLAND CEMENT CONCRETE PAVEMENT (6" UNIFORM THICKNESS) | 110 | | 166 | | | 56 | 332 | SQ. YD. |
| 601 | MOBILIZATION | | | | | | | 1.00 | LUMP SUM |
| SP & 602 | FURNISHING FIELD OFFICE | 1 | | | | | | 1 | EACH |
| SS & 603 | MAINTENANCE OF TRAFFIC | | | | | | | 1.00 | LUMP SUM |
| SS & 604 | SIGNS | | 172 | | | | | 172 | SQ. FT. |
| SS & 604 | BARRICADES | | 192 | | | | | 192 | LIN. FT. |
| SS & 604 | TRAFFIC DRUMS | | 25 | | | | | 25 | EACH |
| 606 | 18" REINFORCED CONCRETE PIPE CULVERTS (CLASS III) | | | 70 | | | 58 | 128 | LIN. FT. |
| 606 | 24" REINFORCED CONCRETE PIPE CULVERTS (CLASS III) | | | 131 | | | | 131 | LIN. FT. |
| 606 | 22" X 14" REINFORCED CONCRETE ARCH PIPE CULVERTS (CLASS III) | 60 | | | | | | 60 | LIN. FT. |
| 606 | 29" X 18" REINFORCED CONCRETE ARCH PIPE CULVERTS (CLASS III) | 32 | | | | | | 32 | LIN. FT. |
| 606 | 36" X 23" REINFORCED CONCRETE ARCH PIPE CULVERTS (CLASS III) | 37 | | | | | | 37 | LIN. FT. |
| 606 | 18" FLARED END SECTIONS FOR REINFORCED CONCRETE PIPE CULVERTS | | | 3 | | | | 3 | EACH |
| SP | HEADWALLS | 8 | | | | | 2 | 10 | EACH |
| SS & 609 | DROP INLETS (TYPE E) | | | 1 | | | | 1 | EACH |
| SS & 609 | DROP INLETS (TYPE MO) | | | 1 | | | | 1 | EACH |
| SS & 609 | DROP INLET EXTENSIONS (4') | | | 1 | | | | 1 | EACH |
| SP | TEMPORARY FENCE | 5419 | 200 | 243 | 300 | 400 | 200 | 6762 | LIN. FT. |
| SP | WELDED PIPE FENCE | | | | 1450 | | | 1450 | LIN. FT. |
| SP | WELDED PIPE GATES (12') | | | | 4 | | | 4 | EACH |
| SP | CANTILEVER CHAIN LINK GATE ASSEMBLY WITH BARBED WIRE (20') | | | | | | 2 | 2 | EACH |
| 620 | LIME | 9 | 3 | 7 | 3 | 23 | 3 | 48 | TON |
| SP & 620 | SPECIAL SEEDING | 4.54 | 1.56 | 3.34 | 1.25 | 11.70 | 1.50 | 23.89 | ACRE |
| SP, SS, & 620 | SPECIAL MULCH COVER | 9.08 | 3.12 | 6.68 | 2.50 | 23.40 | 3.00 | 47.78 | ACRE |
| 620 | WATER | 555.7 | 190.9 | 408.8 | 153.0 | 1432.1 | 183.6 | 2924.1 | M. GAL. |
| 621 | TEMPORARY SEEDING | 4.54 | 1.56 | 3.34 | 1.25 | 11.70 | 1.50 | 23.89 | ACRE |
| 621 | SILT FENCE | 4319 | 1137 | 1479 | 966 | 4990 | 676 | 13567 | LIN. FT. |
| 621 | SAND BAG DITCH CHECKS | 700 | 173 | 239 | 40 | 40 | 40 | 1232 | BAG |
| 621 | SEDIMENT REMOVAL AND DISPOSAL | 221 | 54 | 76 | 39 | 186 | 48 | 624 | CU. YD. |
| SS & 621 | FILTER SOCK (18") | | | 180 | | | | 180 | LIN. FT. |
| 621 | WATTLE (20") | 288 | 72 | 90 | 27 | 36 | 18 | 531 | LIN. FT. |
| SP & 623 | SPECIAL SECOND SEEDING APPLICATION | 4.54 | 1.56 | 3.34 | 1.25 | 11.70 | 1.50 | 23.89 | ACRE |
| SP | EROSION CONTROL BLANKET | 50 | 50 | 75 | 50 | 50 | 50 | 325 | SQ. YD. |
| SP & 628 | TOPSOIL FURNISHED AND PLACED | 2686 | 569 | 1586 | 480 | | 355 | 5676 | CU. YD. |
| SS & 633 | CONCRETE WALKS | 2102 | 526 | 1912 | | | 213 | 4753 | SQ. YD. |
| SP, SS, & 633 | CONCRETE STEPS | | | 1 | | | | 1 | SQ. YD. |
| SP, SS, & 633 | COLORED CONCRETE WALKS | 114 | | | | | | 114 | SQ. YD. |
| SP, SS, & 633 | EXPOSED AGGREGATE CONCRETE WALKS | 9 | | | | | | 9 | SQ. YD. |
| SS & 633 | HAND RAILING | | | | | | 125 | 125 | LIN. FT. |
| SP | HAND RAILING (TYPE SPECIAL) | | | | 70 | | | 70 | LIN. FT. |
| SP | CONCRETE FLUME (3') | | | 30 | | | | 30 | LIN. FT. |
| SP | SIDEWALK UNDERDRAIN | | | 20 | | | | 20 | LIN. FT. |
| SP | WHEEL STOPS | 4 | | 16 | | | 2 | 22 | EACH |
| SS & 634 | CONCRETE CURB (TYPE B) | | | | 1052 | | | 1052 | LIN. FT. |
| SS & 634 | CONCRETE COMBINATION CURB AND GUTTER (TYPE A) (1' 6") | 892 | 150 | 2638 | | | 225 | 3905 | LIN. FT. |
| 635 | ROADWAY CONSTRUCTION CONTROL | | | | | | | 1.00 | LUMP SUM |
| SP & 641 | WHEELCHAIR RAMPS (TYPE SPECIAL) | 75 | 26 | 52 | | | 14 | 167 | SQ. YD. |
| 710 | NON-METALLIC CONDUIT (1") | | | | | | 1100 | 1100 | LIN. FT. |
| 710 | NON-METALLIC CONDUIT (2") | | | | | | 1100 | 1100 | LIN. FT. |
| SP & 711 | CONCRETE PULL BOX (TYPE 1) | | | | | | 10 | 10 | EACH |
| SP & 711 | CONCRETE PULL BOX (TYPE 2) | | | | | | 1 | 1 | EACH |
| 718 | REFLECTORIZED PAINT PAVEMENT MARKING WHITE (4") | 420 | | 2448 | | | 240 | 3108 | LIN. FT. |
| 718 | REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6") | | | 100 | | | | 100 | LIN. FT. |
| 718 | REFLECTORIZED PAINT PAVEMENT MARKING WHITE (12") | 75 | | 326 | | | | 401 | LIN. FT. |
| 718 | REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6") | | | 1285 | | | 500 | 1785 | LIN. FT. |
| 718 | REFLECTORIZED PAINT PAVEMENT MARKING BLUE (4") | 190 | | 825 | | | 140 | 1155 | LIN. FT. |
| 718 | REFLECTORIZED PAINT PAVEMENT MARKING (ARROWS) | | | 19 | | | | 19 | EACH |
| 718 | REFLECTORIZED PAINT PAVEMENT MARKING SYMBOLS (WHEELCHAIR) | 4 | | 7 | | | 1 | 12 | EACH |
| 719 | THERMOPLASTIC PAVEMENT MARKING WHITE (6") | | 2796 | 2745 | | | | 5541 | LIN. FT. |
| 719 | THERMOPLASTIC PAVEMENT MARKING WHITE (12") | | 12 | | | | | 12 | LIN. FT. |
| 719 | THERMOPLASTIC PAVEMENT MARKING YELLOW (6") | | 2880 | 1082 | | | | 3962 | LIN. FT. |
| 719 | THERMOPLASTIC PAVEMENT MARKING YELLOW (8") | | | 280 | | | | 280 | LIN. FT. |
| SP | CAR BAY MARKING DOTS | | | | 110 | | | 110 | EACH |
| SS & 726 | STANDARD SIGN | 7 | | 23 | | | 8 | 38 | SQ. FT. |
| SS & 729 | CHANNEL POST SIGN SUPPORT (TYPE A) | 4 | | 9 | | | 2 | 15 | EACH |
| SP | RETAINING WALL | | | | | | 130 | 130 | SQ. FT. |
| SP | ARCHITECTURAL FINISH | | | | 450 | | | 450 | SQ. FT. |
| SP | RETAINING WALL WITH FORMLINER AND COLOR ADDITIVE | | | | 450 | | | 450 | SQ. FT. |
| | | | | | | | | | |
| | | | | | | | | | |

## REVISIONS

| DATE | REVISION | SHEET NUMBER |
|---|---|---|
| 10-22-2020 | REVISED SS 100-3, ADDED SS 400-7, AND ADDED SEQUENCE OF CONSTRUCTION SPECIAL PROVISION. | 3 & 36 |
| | | |
| | | |
| | | |
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| | | |
| | | |
| | | |

SUMMARY OF QUANTITIES AND REVISIONS

G:\18101900_PeaRidge\TRANSP\dgn\quantities\r090384_Qty.dgn
10/21/2020 12:59

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| 10-22-2020 | | | |

(2)

SUMMARY OF QUANTITIES AND REVISIONS

PERI 152541 DRAWING NO. 409/150019

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | 36 | 151 |
| JOB NO. | 090384 | | | |

STATE OF ARKANSAS
REGISTERED
PROFESSIONAL
ENGINEER
No. 21929
ROBERT BURNS
10-22-2020

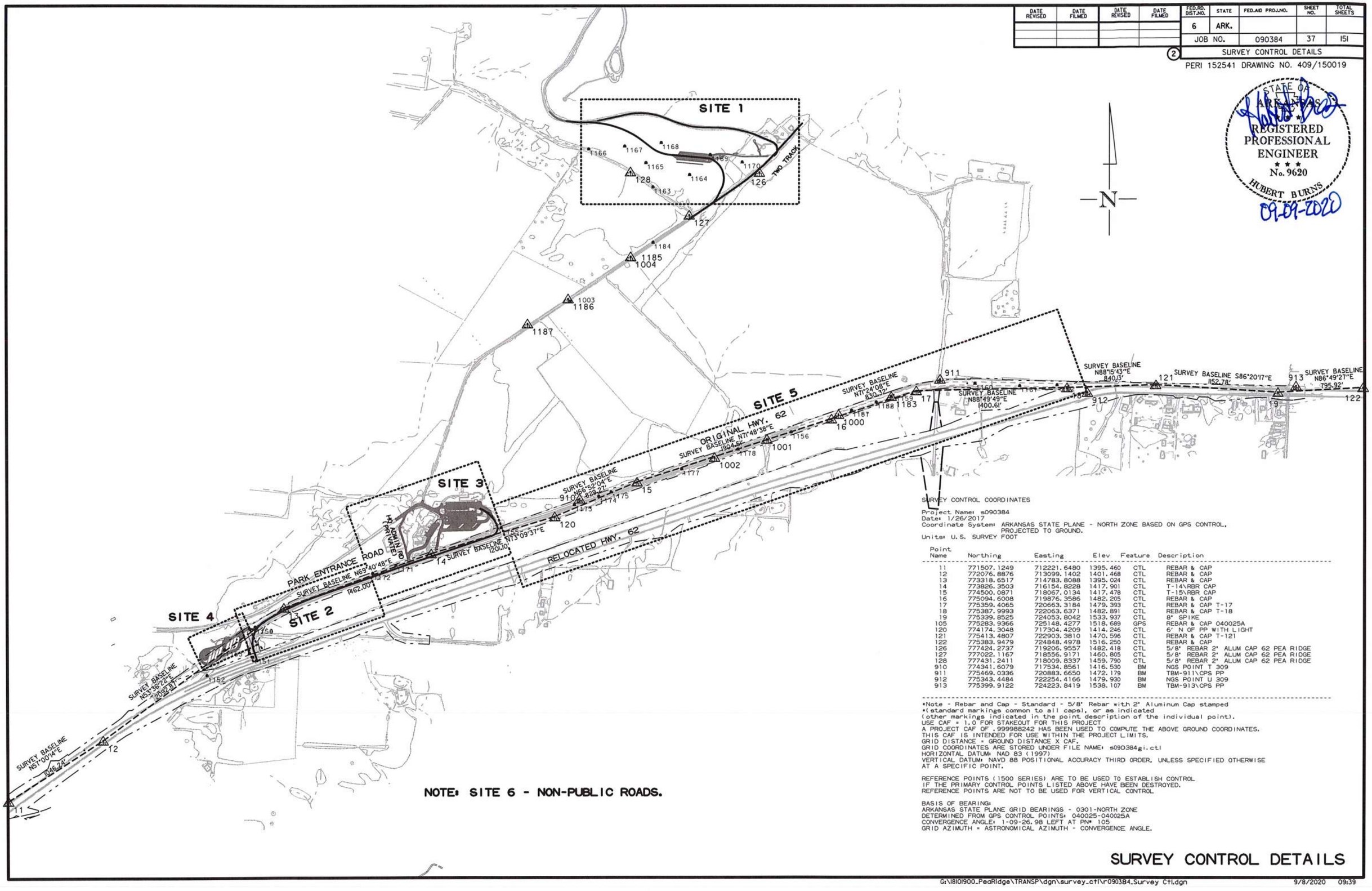
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 37 | 151 |

(2) SURVEY CONTROL DETAILS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020




NOTE: SITE 6 - NON-PUBLIC ROADS.

SURVEY CONTROL COORDINATES

Project Name: s090384
Date: 1/26/2017
Coordinate System: ARKANSAS STATE PLANE - NORTH ZONE BASED ON GPS CONTROL, PROJECTED TO GROUND.
Units: U.S. SURVEY FOOT

| Point Name | Northing | Easting | Elev | Feature | Description |
|---|---|---|---|---|---|
| 11 | 771507.1249 | 712221.6480 | 1395.460 | CTL | REBAR & CAP |
| 12 | 772076.8876 | 713099.1402 | 1401.468 | CTL | REBAR & CAP |
| 13 | 773318.6517 | 714783.8088 | 1395.024 | CTL | REBAR & CAP |
| 14 | 773826.3503 | 716154.8228 | 1417.901 | CTL | T-14\RBR CAP |
| 15 | 774500.0871 | 718067.0134 | 1417.478 | CTL | T-15\RBR CAP |
| 16 | 775094.6008 | 719876.3586 | 1482.205 | CTL | REBAR & CAP |
| 17 | 775359.4065 | 720663.3184 | 1479.393 | CTL | REBAR & CAP T-17 |
| 18 | 775387.9993 | 722063.6371 | 1482.891 | CTL | REBAR & CAP T-18 |
| 19 | 775339.8525 | 724053.8042 | 1533.937 | CTL | 8" SPIKE |
| 105 | 775283.9366 | 725148.4277 | 1518.689 | GPS | REBAR & CAP 040025A |
| 120 | 774174.3048 | 717304.4209 | 1414.246 | CTL | 6" N OF PP WITH LIGHT |
| 121 | 775413.4807 | 722903.3810 | 1470.596 | CTL | REBAR & CAP T-121 |
| 122 | 775383.9479 | 724848.4978 | 1516.250 | CTL | REBAR & CAP |
| 126 | 777424.2737 | 719206.9557 | 1482.418 | CTL | 5/8" REBAR 2" ALUM CAP 62 PEA RIDGE |
| 127 | 777022.1167 | 718556.9171 | 1460.805 | CTL | 5/8" REBAR 2" ALUM CAP 62 PEA RIDGE |
| 128 | 777431.2411 | 718009.8337 | 1459.790 | CTL | 5/8" REBAR 2" ALUM CAP 62 PEA RIDGE |
| 910 | 774341.6079 | 717534.8561 | 1416.530 | BM | NGS POINT T 309 |
| 911 | 775469.0336 | 720883.6650 | 1472.179 | BM | TBM-911\CPS PP |
| 912 | 775343.4484 | 722254.4166 | 1479.930 | BM | NGS POINT U 309 |
| 913 | 775399.9122 | 724223.8419 | 1538.107 | BM | TBM-913\CPS PP |

*Note - Rebar and Cap - Standard - 5/8" Rebar with 2" Aluminum Cap stamped
*(standard markings common to all caps), or as indicated
(other markings indicated in the point description of the individual point).
USE CAF = 1.0 FOR STAKEOUT FOR THIS PROJECT
A PROJECT CAF OF .9999988242 HAS BEEN USED TO COMPUTE THE ABOVE GROUND COORDINATES.
THIS CAF IS INTENDED FOR USE WITHIN THE PROJECT LIMITS.
GRID DISTANCE = GROUND DISTANCE X CAF.
GRID COORDINATES ARE STORED UNDER FILE NAME: s090384gi.ctl
HORIZONTAL DATUM: NAD 83 (1997)
VERTICAL DATUM: NAVD 88 POSITIONAL ACCURACY THIRD ORDER, UNLESS SPECIFIED OTHERWISE AT A SPECIFIC POINT.

REFERENCE POINTS (1500 SERIES) ARE TO BE USED TO ESTABLISH CONTROL IF THE PRIMARY CONTROL POINTS LISTED ABOVE HAVE BEEN DESTROYED.
REFERENCE POINTS ARE NOT TO BE USED FOR VERTICAL CONTROL

BASIS OF BEARING:
ARKANSAS STATE PLANE GRID BEARINGS - 0301-NORTH ZONE
DETERMINED FROM GPS CONTROL POINTS: 040025-040025A
CONVERGENCE ANGLE: 1-09-26.98 LEFT AT PN= 105
GRID AZIMUTH = ASTRONOMICAL AZIMUTH - CONVERGENCE ANGLE.

# SURVEY CONTROL DETAILS

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\survey_ctl\r090384_Survey Ctl.dgn
PLOTTED: 9/8/2020 09:39
SCALE: 1:800

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 38 | 151 |

(2) SURVEY CONTROL POINTS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

### 090384 - CL PARK TOUR ROAD (SITE 1)

| POINT NO. | TYPE | STATION | NORTHING | EASTING |
|---|---|---|---|---|
| 8024 | P.O.B. | 50+42.54 | 777909.2644 | 717416.7449 |
| 8025 | P.C. | 51+03.15 | 777902.1267 | 717476.9377 |
| 8027 | P.R.C. | 52+17.96 | 777897.9963 | 717591.5417 |
| 8029 | P.T. | 53+19.12 | 777893.7249 | 717692.4741 |
| 8030 | P.C. | 53+53.05 | 777889.3066 | 717726.1211 |
| 8032 | P.T. | 57+88.11 | 777723.3273 | 718122.7498 |
| 8033 | P.C. | 58+95.98 | 777657.0143 | 718207.8246 |
| 8035 | P.T. | 60+76.77 | 777591.1660 | 718373.6002 |
| 8036 | P.C. | 64+31.96 | 777557.7889 | 718727.2142 |
| 8038 | P.C.C. | 64+95.11 | 777537.1106 | 718786.2314 |
| 8040 | P.T. | 67+87.56 | 777279.0989 | 718859.3937 |
| 8041 | P.C. | 68+75.49 | 777199.4798 | 718822.0789 |
| 8043 | P.T. | 69+84.71 | 777117.2878 | 718752.1222 |
| 8044 | P.O.E. | 72+28.33 | 776979.9793 | 718550.8822 |

### 090384 - CL ORIGINAL PARK TOUR ROAD (SITE 1)

| POINT NO. | TYPE | STATION | NORTHING | EASTING |
|---|---|---|---|---|
| 8093 | P.T. | 104+77.95 | 777913.7411 | 717710.3865 |
| 8094 | P.C. | 107+42.46 | 777970.8064 | 717968.6647 |
| 8096 | P.T. | 111+00.73 | 777942.2077 | 718320.4798 |
| 8097 | P.C. | 112+11.01 | 777901.3388 | 718422.8994 |
| 8099 | P.T. | 114+86.14 | 777847.9900 | 718691.2452 |
| 8100 | P.C. | 116+15.50 | 777846.3313 | 718820.5922 |
| 8102 | P.T. | 120+16.67 | 777761.9351 | 719210.0387 |
| 8103 | P.C. | 121+44.00 | 777710.7150 | 719326.6103 |
| 8105 | P.T. | 123+00.27 | 777581.0494 | 719346.0217 |
| 8051 | P.C. | 125+34.25 | 777428.3200 | 719168.7605 |
| 8053 | P.T. | 129+27.79 | 777188.7306 | 718856.8292 |
| 8106 | P.O.E. | 132+43.21 | 777010.9533 | 718596.2778 |

### 090384 - CL TWO TRACK (ELKHORN TAVERN SITE 1)

| POINT NO. | TYPE | STATION | NORTHING | EASTING |
|---|---|---|---|---|
| 8107 | P.O.B. | 119+00.00 | 777887.0412 | 719602.9151 |
| 8112 | P.C. | 122+63.25 | 777614.8854 | 719362.3272 |
| 8114 | P.T. | 127+57.70 | 777286.2247 | 718994.4554 |
| 8115 | P.O.E. | 130+18.75 | 777136.3653 | 718780.6944 |

### 090384 - CL PARK ENTRANCE ROAD (SITE 2 & 3)

| POINT NO. | TYPE | STATION | NORTHING | EASTING |
|---|---|---|---|---|
| 8010 | P.O.B. | 10+00.00 | 772817.3861 | 714537.9871 |
| 8013 | P.C. | 11+01.51 | 772913.2766 | 714504.6959 |
| 8019 | P.T. | 14+27.54 | 773196.4292 | 714607.6348 |
| 8022 | P.C. | 14+27.54 | 773196.4301 | 714607.6363 |
| 8055 | P.T. | 20+05.07 | 773441.2016 | 715129.6525 |
| 8056 | P.I. | 28+25.24 | 773712.9050 | 715903.5064 |
| 8057 | P.C. | 36+90.73 | 773994.9807 | 716721.7358 |
| 8059 | P.T. | 38+17.88 | 774098.9460 | 716764.6123 |
| 8060 | P.C. | 38+27.29 | 774107.3946 | 716760.4633 |
| 8062 | P.T. | 40+36.86 | 774249.6004 | 716612.3383 |

### 090384 - CL HORSE TRAILER ENTRANCE (SITE 2)

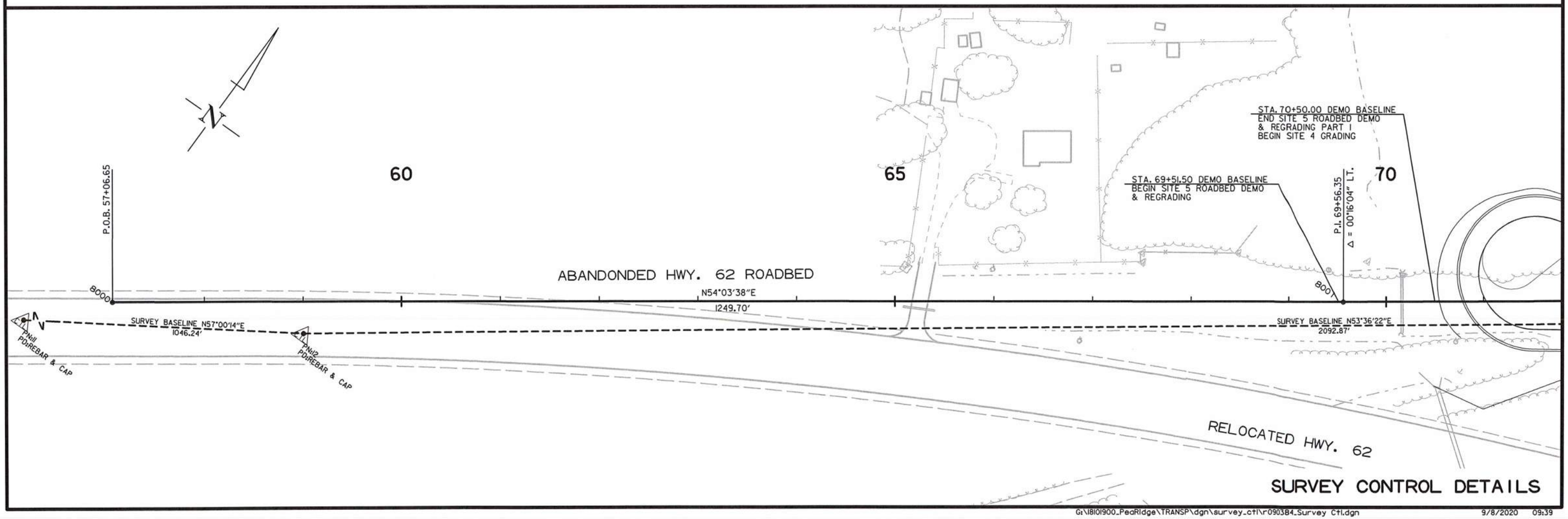
| POINT NO. | TYPE | STATION | NORTHING | EASTING |
|---|---|---|---|---|
| 8063 | P.O.B. | 0+00.00 | 773105.1205 | 714520.8186 |
| 8064 | P.C. | 0+17.80 | 773113.0137 | 714504.8651 |
| 8066 | P.C.C. | 0+70.18 | 773123.1772 | 714454.0882 |

### 090384 - DEMO OLD HWY. 62 BASELINE (SITE 5)

| POINT NO. | TYPE | STATION | NORTHING | EASTING |
|---|---|---|---|---|
| 8000 | P.O.B. | 57+06.65 | 771989.5128 | 712922.9738 |
| 8070 | P.I. | 69+56.35 | 772723.0014 | 713934.7797 |
| 8002 | P.C. | 74+65.87 | 773023.9788 | 714345.9054 |
| 8004 | P.T. | 83+83.35 | 773450.0096 | 715154.7393 |
| 8056 | P.I. | 91+76.93 | 773712.9050 | 715903.5064 |
| 8072 | P.C. | 140+04.93 | 775320.2187 | 720456.1029 |
| 8073 | P.T. | 146+97.02 | 775428.6586 | 721135.8197 |
| 8085 | P.O.E. | 158+00.00 | 775403.3078 | 722238.5064 |

### 090384 - CL OLD LIBERTY RD

| POINT NO. | TYPE | STATION | NORTHING | EASTING |
|---|---|---|---|---|
| 8074 | P.O.B. | 10+00.00 | 774243.5854 | 720805.0402 |
| 8075 | P.C. | 11+29.39 | 774372.7730 | 720812.3125 |
| 8077 | P.T. | 13+50.24 | 774593.3795 | 720822.5996 |
| 8078 | P.C. | 13+89.87 | 774632.9834 | 720824.0640 |
| 8080 | P.T. | 15+30.84 | 774773.8189 | 720830.1394 |
| 8081 | P.C. | 18+76.99 | 775119.5528 | 720847.1849 |
| 8083 | P.T. | 21+19.08 | 775361.4959 | 720855.2731 |
| 8084 | P.O.E. | 21+74.74 | 775417.1463 | 720856.2512 |




# SURVEY CONTROL DETAILS

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\survey_ctl\r090384_Survey Ctl.dgn
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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 39 | 151 |

SURVEY CONTROL POINTS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

ABANDONDED HWY. 62 ROADBED

N53°47'34"E 509.52'

P.C. 74+65.87

8002

P.C.C. 0+70.18

S86°18'46"W 26.81'

N59°56'12"W 26.81'

8066

C.L. HORSE TRAILER ENT.
PI = 0+44.61
Δ = 30°00'43" LT.
D = 57°17'45"
T = 26.81'
L = 52.38'
PC = 0+17.80
PCC = 0+70.18

P.I. 0+44.61
194.18'
N59°06'11"E

8064

P.T. 14+27.54

N53°47'34"E 462.08'

8022

8019

P.I. 79+27.95

PNi3 PDREBAR & CAP

P.I. 17+17.29

N70°39'13"E 435.49'

N70°39'13"E 289.75'

P.I. 20+05.07

P.T. 83+83.35

PARK ENTRANCE ROAD

SURVEY BASELINE N69°40'48"E 1462.00'

N70°39'13"E 820.17'

N70°39'13"E 793.58'

8055 8004

BASELINE ABANDONDED ORIGINAL HWY. 62
PI = 79+27.95
Δ = 16°51'39" RT.
D = 01°50'16"
T = 462.08'
L = 917.48'
PC = 74+65.87
PT = 83+83.35

P.C. 0+17.80

8065

8063

N63°40'37"W 17.80'

N63°40'37"W 26.81'

N19°08'45"W 194.18'

PARK ENTRANCE ROAD

P.C. 11+01.51

101.51' N19°08'45"W

8013

STA. 12+99.88 C.L. PARK ENTRANCE RD. =
STA. 0+00.53 C.L. HORSE TRAILER ENT.
Δ = 92°08'18"

RELOCATED HWY. 62

P.O.B. 10+00.00

8068

8010

STA. 10+31.50
BEGIN JOB 090384

8016

C.L. CONST. PARK ENTRANCE RD.
PI = 12+95.69
Δ = 78°14'56" RT.
D = 24°00'00"
T = 194.18'
L = 326.04'
PC = 11+01.51
PT = 14+27.54
e = 0.038'/'
Ls = 125'

C.L. CONST. PARK ENTRANCE RD.
PI = 17+17.29
Δ = 11°33'02" RT.
D = 02°00'00"
T = 289.75'
L = 577.53'
PC = 14+27.54
PT = 20+05.07
NO SUPER

N

75 15 80 20 85

25 90 30 95 35 40 100

STA. 25+00.00 C.L. PARK ENTRANCE RD.
END SITE 2
BEGIN SITE 3

P.I. 28+25.24
Δ = 00°05'58" LT.

P.I. 91+76.93
Δ = 00°19'31" RT.

PNi4 PD:T-14\RBR CAP

SURVEY BASELINE N69°40'48"E 1462.00'

N70°39'13"E 820.17'

N70°39'13"E 793.58'

8056

HWY. 62 DEMO BASELINE

C.L. PARK ENTRANCE ROAD

N70°33'15"E 4828.00'

N70°58'44"E 865.49'

PARK ENTRANCE ROAD

C.L. CONST. PARK ENTRANCE RD.
PI = 37+75.71
Δ = 97°23'08" LT.
D = 77°00'00"
T = 84.68'
L = 126.47'
PC = 36+91.04
PT = 38+17.51
e = 0.040'/'
Ls = 62'

P.C. 36+90.73

C.L. PARK ENTRANCE RD.
PI = 39+36.55
Δ = 40°01'32" LT.
D = 19°05'55"
T = 109.27'
L = 209.57'
PC = 38+27.29
PT = 39+36.55
NO SUPER

P.T. 40+36.79

8062

N66°10'51"W 109.27'

P.I. 39+36.49

C.L. PARK ENTRANCE RD.
PI = 37+75.70
Δ = 97°08'03" LT.
D = 76°23'40"
T = 84.97'
L = 127.15'
PC = 36+90.73
PT = 38+17.88
NO SUPER

N26°09'19"W 109.27'

N26°09'19"W 84.97'

8050 8059

STA. 38+97.97 C.L. PARK ENTRANCE RD.
MATCH PARKING (SEE SITE PLAN)
END PARK ENTRANCE RD. CONSTRUCTION

P.C. 38+27.29

P.T. 38+17.88

8058

8061

SURVEY BASELINE N73°09'37"E 1201.10'

8057

N70°58'44"E 84.97'

4828.00'

N70°33'15"E

P.I. 37+75.70

SURVEY CONTROL DETAILS

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|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 40 | 151 |

(2) SURVEY CONTROL POINTS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
01-09-2020

105 110 115

N

SURVEY BASELINE N66°52'04"E

4828.00'
N70°33'15"E

829.27'

PN#15
PD:1'-15\RBR CAP

N70°33'15"E
4828.00'

ABANDONDED HWY. 62 ROADBED

PN#20
PD:6' N OF PP WITH LIGHT

120 125 130

N

ABANDONDED HWY. 62 ROADBED

SURVEY BASELINE N71°48'38"E

1904.51'
N70°33'15"E
4828.00'

SURVEY CONTROL DETAILS

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|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 41 | 151 |

(2) SURVEY CONTROL POINTS

PERI 152541 DRAWING NO. 409/150019

BASELINE ABANDONDED
ORIGINAL HWY. 62
PI = 143+54.81
Δ = 20°45'46" RT.
D = 03°00'00"
T = 349.88'
L = 692.09'
PC = 140+04.93
PT = 146+97.02

135 140 145

P.C. 140+04.93

P.I. 143+54.81

P.T. 146+97.02

N70°33'15"E 349.88'

P.O.E. 21+74.74

S88°40'59"E 349.88'

8084

8073

ABANDONDED HWY. 62 ROADBED

4828.00'

N70°33'15"E

8072

P.T. 21+19.08

PN:17
PD:REBAR & CAP T-17

1102.98'
S88°40'59"E

N01°00'25"E 55.65'

8083

SURVEY BASELINE N71°24'08"E
830.32'

PN:16
PD:REBAR & CAP

SURVEY BASELINE N88°49'49"E
1400.61'

C.L. OLD LIBERTY RD.
PI = 19+98.05
Δ = 01°48'56" LT.
D = 00°45'00"
T = 121.05'
L = 242.09'
PC = 18+76.99
PT = 21+19.08
NO SUPER

20

OLD LIBERTY ROAD

N01°00'25"E 121.05'

P.I. 19+98.05

N02°49'21"E 121.05'

P.C. 18+76.99

8081

N02°49'21"E 346.15'

150 155

STA. 156+46.94 DEMO BASELINE
END SITE 5 ROADBED DEMO

P.O.E. 158+00.00

1102.98'
S88°40'59"E

ABANDONDED HWY. 62 ROADBED

8085

SURVEY BASELINE N88°15'43"E
840.13'

PN:121
PD:REBAR & CAP T-121

SURVEY BASELINE N88°49'49"E
1400.61'

PN:18
PD:REBAR & CAP T-18

RELOCATED HWY. 62

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURNS

# SURVEY CONTROL DETAILS

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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 42 | 151 |

(2) SURVEY CONTROL POINTS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURKS

P.O.B. 50+42.54
P.C. 51+03.15
P.R.C. 52+17.96
P.I. 52+68.67
P.T. 104+77.95
P.T. 53+19.12
P.C. 53+53.05
P.C. 107+42.46
P.I. 109+27.12
P.T. 111+00.73
P.C. 112+11.01
P.T. 114+86.14
P.C. 116+15.50
P.I. 113+50.14
P.I. 55+75.85
P.T. 57+88.11
P.C. 58+95.98
P.T. 60+76.77
P.I. 59+88.89
P.I. 51+60.69
P.I. 64+64.17
P.C.C. 64+95.11

105 55 110 60 65

8092 8093 8094 8096 8097 8099 8100 8034 8024 8025 8027 8029 8030 8032 8033 8035 8036 8038

N77°32'27"E 264.51'
N77°32'27"E 184.66'
S68°14'47"E 184.66'
S68°14'47"E 110.27'
S68°14'47"E 139.13'
S89°15'55"E 129.36'
S89°15'55"E 139.13'
N87°21'56"E 50.71'
S82°31'09"E 50.71'
S82°31'09"E 33.94'
S82°31'09"E 222.80'
S52°03'53"E 222.80'
S52°03'53"E 107.87'
S52°03'53"E 92.91'
S84°36'28"E 92.91'
S83°14'14"E 60.61'
S83°14'14"E 57.53'
N87°21'56"E 57.53'
355.19' S84°36'28"E
S84°36' 28"E 32.21'
S56°46' 25"E 32.21'
177.52' S56°46'25"E

STA. 52+17.96 C.L. PARK TOUR RD.
BEGIN CONSTRUCTION

STA. 60+97.49 C.L. PARK TOUR RD.
MATCH PARKING

STA. 64+95.11 C.L. PARK TOUR RD.
MATCH PARKING
BEGIN PARK TOUR ROAD CONSTRUCTION

ORIGINAL PARK TOUR ROAD

PARK TOUR ROAD (ONE-WAY)

C.L. ORIGINAL TOUR RD.
PI= 109+27.12
Δ = 34°12'46" RT.
D = 09°32'57"
T = 184.66'
L = 358.27'
PC = 107+42.46
PT = 111+00.73

C.L. ORIGINAL TOUR RD.
PI= 113+50.14
Δ = 21°01'08" LT.
D = 07°38'22"
T = 139.13'
L = 275.14'
PC = 112+11.01
PT = 114+86.14

C.L. PARK TOUR RD.
PI= 64+64.17
Δ = 27°50'04" RT.
D = 44°04'25"
T = 32.21'
L = 63.15'
PC = 64+31.96
PCC = 64+95.11
NO SUPER

C.L. PARK TOUR RD.
PI= 66+72.63
Δ = 81°53'04" RT.
D = 28°00'00"
T = 177.52'
L = 292.44'
PCC = 64+95.11
PT = 67+87.56
e = 0.040'/'
Ls = 67'

C.L. PARK TOUR RD.
PI= 51+60.69
Δ = 09°23'50" LT.
D = 08°11'06"
T = 57.53'
L = 114.81'
PC = 51+03.15
PRC = 52+17.96

C.L. PARK TOUR RD.
PI= 52+68.67
Δ = 10°06'55" RT.
D = 10°00'00"
T = 50.71'
L = 101.15'
PRC = 52+17.96
PT = 53+19.12
e = 0.031'/'
Ls = 53'

C.L. PARK TOUR RD.
PI= 55+75.85
Δ = 30°27'15" RT.
D = 07°00'00"
T = 222.80'
L = 435.06'
PC = 53+53.05
PT = 57+88.11
e = 0.026'/'
Ls = 45'

C.L. PARK TOUR RD.
PI= 59+88.89
Δ = 32°32'35" LT.
D = 18°00'00"
T = 92.91'
L = 180.80'
PC = 58+95.98
PT = 60+76.77
e = 0.037'/'
Ls = 63'

P.I. 122+66.91
P.T. 123+00.27
P.I. 125+11.62
P.O.E. 130+18.75
P.I. 69+31.43
P.O.B. 119+00.00
P.C. 121+44.00
P.C. 122+63.25
P.I. 66+72.63
P.T. 67+87.56
P.C. 68+75.49
P.T. 69+84.71
P.O.E. 72+28.33
P.I. 118+18.82
P.C. 64+31.96
P.I. 64+64.17
P.C.C. 64+95.11

120 125 130 70

8102 8103 8104 8112 8114 8115 8040 8041 8042 8043 8044 8037 8039

S49°15'06"W 122.90'
S41°28'37"W 363.25'
S41°28'37"W 248.37'
S54°58'02"W 248.37'
S54°58'02"W 261.06'
S55°41'38"W 55.95'
243.62' S55°41'38"W
S25°06'39"W 87.93'
S25°06'39"W 55.95'
S25°06'39"W 177.52'
S56°46'25"E 177.52'
S56°46'25"E 203.32'
S56°46'25"E 127.33'
S56°46'25"E 292.44'
S56°46'25"E 32.21'
S84°36' 28"E 32.21'

STA. 122+55.39 C.L. TWO TRACK
BEGIN CONSTRUCTION

STA. 130+03.83 C.L. TWO TRACK
END CONSTRUCTION

TWO TRACK

C.L. TWO TRACK
PI= 122+68.28
Δ = 19°39'39" LT.
D = 77°00'00"
T = 12.89'
L = 25.53'
PC = 122+55.39
PRC = 122=80.92
NO SUPER

C.L. TWO TRACK
PI= 122+99.08
Δ = 27°26'08" RT.
D = 77°00'00"
T = 18.16'
L = 35.63'
PRC = 122=80.92
PT 123+16.55
NO SUPER

C.L. ORIGINAL TOUR RD.
PI= 122+66.91
Δ =115°31'53" RT.
D = 73°55'48"
T = 122.90'
L = 156.27'
PC = 121+44.00
PT = 123+00.27

C.L. TWO TRACK
PI= 127+31.23
Δ = 06°26'32" RT.
D = 01°38'13"
T = 196.97'
L = 393.53'
PC 125+34.26
PT 129+27.79
NO SUPER

C.L. ORIGINAL TOUR RD.
PI= 118+18.82
Δ = 22°59'07" RT.
D = 05°43'46"
T = 203.32'
L = 401.17'
PC = 116+15.50
PT = 120+16.67

C.L. PARK TOUR RD.
PI= 69+31.43
Δ = 30°34'59" RT.
D = 28°00'00"
T = 55.95'
L = 109.22'
PC = 68+75.49
PT = 69+84.71
e = 0.040'/'
Ls = 67'

C.L. PARK TOUR RD.
PI= 64+64.17
Δ = 27°50'04" RT.
D = 44°04'25"
T = 32.21'
L = 63.15'
PC = 64+31.96
PCC = 64+95.11
NO SUPER

SURVEY CONTROL DETAILS

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|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 43 | 151 |

(2) SURVEY DATA SHEETS - STAKING TABLES - PARKING SITES

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

**SITE 1 ELKHORN TAVERN PARKING STAKING TABLE**

| POINT # | DESCRIPTION | NORTHING | EASTING |
|---|---|---|---|
| 8501 | POB | 777537.11 | 718786.23 |
| 8502 | MOC | 777551.05 | 718757.98 |
| 8503 | PC | 777557.79 | 718727.21 |
| 8504 | POE | 777589.22 | 718394.23 |
| 8505 | POB | 777595.46 | 718914.41 |
| 8506 | PC | 777590.13 | 718950.68 |
| 8507 | PC | 777579.46 | 719008.42 |
| 8508 | PC | 777572.91 | 719085.18 |
| 8509 | PC | 777573.20 | 719108.01 |
| 8510 | PI | 777574.54 | 719214.17 |
| 8511 | POE | 777575.95 | 719327.04 |
| 8512 | MOC | 777574.31 | 719046.64 |
| 8513 | MOC | 777593.13 | 718932.59 |
| 8514 | MOC | 777594.22 | 719213.51 |
| 8515 | PC | 777599.79 | 719212.22 |
| 8516 | PC | 777588.53 | 719213.99 |
| 8517 | PI | 777641.36 | 719199.12 |
| 8518 | PC | 777655.64 | 719194.39 |
| 8519 | MOC | 777669.24 | 719188.75 |
| 8520 | PC | 777681.86 | 719181.17 |
| 8521 | POE | 777712.68 | 719159.42 |

**SITE 3 VISITOR CENTER PARKING STAKING TABLE**

| POINT # | DESCRIPTION | NORTHING | EASTING |
|---|---|---|---|
| 8301 | POB | 773743.18 | 715955.70 |
| 8302 | PC | 773764.97 | 715948.09 |
| 8303 | PC | 773819.66 | 715930.63 |
| 8304 | MOC | 773837.10 | 715925.89 |
| 8305 | PRC | 773854.90 | 715922.74 |
| 8306 | MOC | 773881.38 | 715918.07 |
| 8307 | PC | 773907.33 | 715911.05 |
| 8308 | PC | 774048.74 | 715865.92 |
| 8309 | MOC | 774073.22 | 715863.40 |
| 8310 | PC | 774096.65 | 715870.92 |
| 8311 | PC | 774132.33 | 715891.22 |
| 8312 | MOC | 774153.40 | 715902.12 |
| 8313 | PRC | 774175.27 | 715911.32 |
| 8314 | MOC | 774215.92 | 715931.43 |
| 8315 | PI | 774237.04 | 715953.50 |
| 8316 | PC | 774147.01 | 715825.74 |
| 8317 | PC | 774269.85 | 716000.06 |
| 8318 | MOC | 774287.83 | 716050.34 |
| 8319 | PC | 774277.38 | 716102.72 |
| 8320 | PC | 774249.54 | 716157.87 |
| 8321 | MOC | 774242.17 | 716197.44 |
| 8322 | PRC | 774257.20 | 716234.78 |
| 8323 | PI | 774264.29 | 716251.28 |
| 8324 | MOC | 774277.11 | 716253.50 |
| 8325 | PC | 774287.79 | 716255.91 |
| 8326 | POE | 774298.17 | 716259.38 |
| 8327 | POC | 773807.75 | 715946.10 |
| 8328 | MOC | 773824.02 | 715952.21 |
| 8329 | POC | 773846.92 | 715970.41 |
| 8330 | PC | 773861.69 | 715997.88 |

**SITE 3 VISITOR CENTER PARKING STAKING TABLE**

| POINT # | DESCRIPTION | NORTHING | EASTING |
|---|---|---|---|
| 8331 | PC | 773881.63 | 716066.16 |
| 8332 | MOC | 773901.57 | 716099.14 |
| 8333 | PC | 773935.26 | 716117.86 |
| 8334 | MOC | 773960.63 | 716125.33 |
| 8335 | PC | 773974.35 | 716131.99 |
| 8336 | PC | 773946.12 | 716120.60 |
| 8337 | PC | 774017.31 | 716156.59 |
| 8338 | MOC | 774037.57 | 716169.06 |
| 8339 | PC | 774057.01 | 716182.78 |
| 8340 | POE | 774115.52 | 716226.96 |
| 8341 | POB | 773888.48 | 716205.68 |
| 8342 | MOC | 773863.47 | 716194.57 |
| 8343 | PC | 773915.05 | 716212.29 |
| 8344 | PC | 773990.60 | 716224.20 |
| 8345 | MOC | 774031.28 | 716233.55 |
| 8346 | PC | 774070.27 | 716248.47 |
| 8347 | PC | 774087.48 | 716256.46 |
| 8348 | POC | 774124.45 | 716265.64 |
| 8349 | MOC | 774162.42 | 716260.24 |
| 8350 | POC | 774190.31 | 716245.25 |
| 8351 | PC | 774218.89 | 716210.83 |
| 8352 | PI | 774227.83 | 716193.12 |
| 8353 | PCC | 774203.73 | 716232.91 |
| 8354 | MOC | 774230.90 | 716221.43 |
| 8355 | POB | 774166.60 | 716722.16 |
| 8356 | MOC | 774204.43 | 716684.66 |
| 8357 | PI | 774213.52 | 716673.33 |
| 8358 | PCC | 774235.03 | 716641.07 |
| 8359 | MOC | 774248.75 | 716612.16 |
| 8360 | PC | 774257.68 | 716581.43 |

**SITE 3 VISITOR CENTER PARKING STAKING TABLE**

| POINT # | DESCRIPTION | NORTHING | EASTING |
|---|---|---|---|
| 8361 | PC | 774265.34 | 716544.19 |
| 8362 | MOC | 774269.47 | 716516.07 |
| 8363 | PC | 774270.39 | 716487.67 |
| 8364 | PC | 774264.66 | 716255.54 |
| 8365 | PI | 774185.26 | 716248.86 |
| 8366 | PC | 774193.82 | 716602.18 |
| 8367 | MOC | 774217.55 | 716629.59 |
| 8368 | PI | 774248.99 | 716611.52 |
| 8369 | PI | 774118.13 | 716265.11 |
| 8370 | PC | 774127.17 | 716638.34 |
| 8371 | MOC | 774131.85 | 716658.59 |
| 8372 | PC | 774144.36 | 716675.18 |
| 8373 | PC | 774149.69 | 716679.82 |
| 8374 | MOC | 774183.01 | 716690.39 |
| 8375 | PI | 774047.99 | 716239.19 |
| 8376 | PC | 774055.06 | 716531.29 |
| 8377 | MOC | 774058.82 | 716548.04 |
| 8378 | PC | 774068.70 | 716562.08 |
| 8379 | PC | 774111.67 | 716603.02 |
| 8380 | MOC | 774122.97 | 716619.12 |

**SITE 4 HORSE TRAILER PARKING STAKING TABLE**

| POINT # | DESCRIPTION | NORTHING | EASTING |
|---|---|---|---|
| 8203 | PC | 773123.38 | 714459.91 |
| 8204 | MOC | 773123.18 | 714454.09 |
| 8205 | MOC | 773109.84 | 714420.08 |
| 8206 | PCC | 773116.34 | 714423.65 |
| 8207 | MOC | 773097.18 | 714384.54 |
| 8208 | PC | 773072.19 | 714348.87 |
| 8209 | PC | 773004.52 | 714258.04 |
| 8210 | PI | 772992.97 | 714241.46 |
| 8211 | MOC | 772972.60 | 714205.24 |
| 8212 | PC | 772951.41 | 714147.29 |
| 8213 | PC | 772928.55 | 714059.24 |
| 8214 | POC | 772889.37 | 714013.77 |
| 8215 | MOC | 772834.34 | 714014.54 |
| 8216 | POC | 772796.77 | 714059.81 |
| 8217 | PC | 772806.89 | 714115.14 |
| 8218 | PC | 772851.19 | 714178.87 |
| 8219 | MOC | 772866.10 | 714202.63 |
| 8220 | PC | 772878.73 | 714227.67 |
| 8221 | PC | 772926.90 | 714335.45 |
| 8222 | MOC | 772942.58 | 714356.47 |
| 8223 | PC | 772965.73 | 714368.81 |
| 8224 | PC | 773079.25 | 714400.11 |
| 8225 | MOC | 772861.07 | 714193.09 |
| 8226 | MOC | 772873.23 | 714205.35 |
| 8227 | PC | 772888.84 | 714212.75 |
| 8228 | POB | 772868.62 | 714207.18 |

SURVEY CONTROL DETAILS

[DRAWING C:\1_WORK\PROJECTS\PERI\152541\DWG\152541-SURVEY CONTROL DETAILS.DWG
LAYOUT: LAYOUT1 LAST SAVED: 9/3/2020 11:10:39 PM
LAST PLOTTED BY: CLAY BROCK 9/3/2020 3:23:37 PM PLOTTED BY: WALD-CHAMBERS (COPY ONLY)]

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 44 | 151 |

(2) SURVEY DATA SHEETS – STAKING TABLES – SITE 1 ELKHORN TAVERN PARKIN

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET

60' 0 60'

N

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

LIMITS OF DISTURBANCE

EXISTING BUILDING

8504

8505

8513

8502

8503

8501

CONTROL BASELINE / CENTERLINE, TYPICAL

LIMITS OF DISTURBANCE

MATCHLINE THIS SHEET

CANNON

CANNON

EX ELKHORN TAVERN

EX 5' CONCRETE

EX TRAIL

MATCHLINE THIS SHEET

8521

8520

8519

8518

8517

8505

8513

LIMITS OF DISTURBANCE

CONTROL BASELINE / CENTERLINE, TYPICAL

8508

8515

8514

8516

8511

8506

8512

8509

8510

8507

LIMITS OF DISTURBANCE

SURVEY CONTROL DETAILS

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 45 | 151 |

(2) SURVEY DATA SHEETS – STAKING TABLES – SITE 3 VISITOR CENTER PARKING

PERI 15254I DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
60' 0 60'

N

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

8301 8302 8303 8304 8305 8306 8307 8308 8309 8310 8311 8312 8313 8314 8315 8316 8317 8318 8319 8320 8321 8322 8323 8324 8325 8326 8327 8328 8329 8330 8331 8332 8333 8334 8335 8336 8337 8338 8339 8340 8341 8342 8343 8344 8345 8346 8347 8348 8349 8350 8351 8352 8353 8354 8355 8356 8357 8358 8359 8360 8361 8362 8363 8364 8365 8366 8367 8368 8369 8370 8371 8372 8373 8374 8375 8376 8377 8378 8379 8380

VISITOR CENTER

VC HEADQUARTERS

VC HEADQUARTERS

EX FO LINE

EX FO LINE

EX FO LINE

UGTV

UGTV

UGTV

UGTV

UGTV

CONTROL BASELINE / CENTERLINE, TYPICAL

LIMITS OF DISTURBANCE

PR ROADWAY

EDGE OF EX ROAD

SURVEY CONTROL DETAILS

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 46 | 151 |

(2) SURVEY DATA SHEETS - STAKING TABLES - SITE 4 TRAILER PARKING

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
50' 0 50'

N

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

LIMITS OF DISTURBANCE

LANDSCAPE AREA

CONTROL BASELINE / CENTERLINE, TYPICAL

PR ROADWAY

EX ROW (OLD HWY ALIGNMENT)

EX ROW HWY 62

EX DITCH

EDGE OF SHOULDER

EDGE OF PAVEMENT

TRAIL

OHE

FO

8201 8202 8203 8204 8205 8206 8207 8208 8209 8210 8211 8212 8213 8214 8215 8216 8217 8218 8219 8220 8221 8222 8223 8224 8225 8226 8227 8228

℄ HWY 62

SURVEY CONTROL DETAILS

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 47 | 151 |

(2) PARK LAYOUT

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

ELKHORN TAVERN

SITE 1 ORIGINAL TOUR ROAD DEMO

PARK TOUR ROAD AREA 1

STA. 50+77.70
BEGIN CONSTRUCTION
PARK TOUR ROAD
SITE 1

SITE 1
ELKHORN TAVERN PARKING

SITE 1 TWO TRACK

STA. 122+55.39
BEGIN CONSTRUCTION
TWO TRACK
SITE 1

STA. 70+34.96
END CONSTRUCTION
PARK TOUR ROAD
SITE 1

N

STA. 156+46.94 DEMO BASELINE
END SITE 5 ROADBED DEMO

ABANDONED HWY. 62 ROADBED SITE 5

STA. 101+12.60 DEMO BASELINE
BEGIN SITE 5 ROADBED DEMO
& REGRADING PART 2

SITE 3
VISITOR CENTER PARKING

SITE 6
HQ ADMIN ROAD

SITE 3
PARK ENTRANCE ROAD

RELOCATED HWY. 62

SITE 2
PARK ENTRANCE ROAD

SITE 4
HORSE TRAILER PARKING

PARK ENTRANCE ROAD
STA. 10+29.50
BEGIN JOB 090384

STA. 70+50.00 DEMO BASELINE
END SITE 5 ROADBED DEMO
& REGRADING PART 1
BEGIN SITE 4 GRADING

STA. 69+51.50 DEMO BASELINE
BEGIN SITE 5 ROADBED DEMO
& REGRADING

# PARK LAYOUT

USER: fs513
DESIGN FILE: G:\IBI01900_PeaRidge\TRANSP\dgn\p&p\r090384_Park Layout.dgn
PLOTTED: 9/8/2020 09:50 SCALE: 1:800

G:\IBI01900_PeaRidge\TRANSP\dgn\p&p\r090384_Park Layout.dgn 9/8/2020 09:50

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 48 | 151 |

(2) PLAN AND PROFILE

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURNS

C.L. PARK TOUR RD.
PI= 51+60.69
Δ = 09°23'50" LT.
D = 08°11'06"
T = 57.53'
L = 114.81'
PC = 51+03.15
PRC = 52+17.96

C.L. PARK TOUR RD.
PI= 52+68.67
Δ = 10°06'55" RT.
D = 10°00'00"
T = 50.71'
L = 101.15'
PRC = 52+17.96
PT = 53+19.12
e = 0.031'/'
Ls = 53'

STA. 55+25 CONSTRUCT
22" X 14" X 32' R.C. ARCH PIPE CULVERT
(CLASS III)(TYPE 3 BEDDING)
W/ HDWLS LT. & RT.
QIO = 8 CFS ; D.A. = 2.8 AC.

STA. 56+25 CONSTRUCT
29" X 18" X 32' R.C. ARCH PIPE CULVERT
(CLASS III)(TYPE 3 BEDDING)
W/ HDWLS LT. & RT.
QIO = 12 CFS ; D.A. = 3.6 AC.

C.L. PARK TOUR RD.
PI= 59+88.89
Δ = 32°32'35" LT.
D = 18°00'00"
T = 92.91'
L = 180.80'
PC = 58+95.98
PT = 60+76.77
e = 0.037'/'
Ls = 63'

STA. 60+00 CONSTRUCT
36" X 23" X 37' C.M. ARCH PIPE CULVERT
(CLASS III)(TYPE 3 BEDDING)
W/ HDWLS LT. & RT.
QIO = 18 CFS ; D.A. = 6.0 AC.

C.L. PARK TOUR RD.
PI= 55+75.85
Δ = 30°27'15" RT.
D = 07°00'00"
T = 222.80'
L = 435.06'
PC = 53+53.05
PT = 57+88.11
e = 0.026'/'
Ls = 45'

LEGEND
PARKING/WALK AREA - SEE SITE PLAN
OBLITERATION OF EXIST. PAVEMENT

STA. 52+17.96 C.L. PARK TOUR RD.
BEGIN CONSTRUCTION

STA. 60+97.49 C.L. PARK TOUR RD.
MATCH PARKING (SEE SITE PLAN)

REFER TO SITE PLAN

ORIGINAL PARK TOUR ROAD

PARK TOUR ROAD (ONE-WAY)

LIMITS OF CONST.

TEMP. CONST. ESMT.

C.L. CONST.

3" TURF SHLD

50' TRANS.

N87°21'56"E

S83°14'14"E

S82°31'09"E

S68°14'41"E

S52°03'53"E

S84°36'28"E

105

55

60

SITE 1
ONE-WAY TOUR ROAD - ELKHORN TAVERN AREA

STA. 52+17.96 MATCH EXIST. SUPERELEVATION (0.020'/')
STA. 52+68.54 BEGIN/END MAX. SUPERELEVATION (0.029'/')
STA. 53+19.12 END SUPERELEVATION

STA. 53+36.08 BEGIN SUPERELEVATION
STA. 53+81.08 BEGIN MAX. SUPERELEVATION (0.026'/')
STA. 57+76.86 END MAX. SUPERELEVATION (0.026'/')
STA. 58+21.86 END SUPERELEVATION

STA. 58+48.73 BEGIN SUPERELEVATION
STA. 59+11.73 BEGIN MAX. SUPERELEVATION (0.037'/')
STA. 60+32.00 END MAX. SUPERELEVATION (0.037'/')
STA. 60+95.00 END SUPERELEVATION

PROFILE GRADE

EXISTING GROUND

PVI 53+35.00 ELEV. 1504.63
PVI 52+17.96 ELEV. 1503.40
PVC 52+60.00 ELEV. 1503.84
PVT 54+10.00 ELEV. 1501.42
PVC 56+50.00 ELEV. 1491.14
PVI 57+00.00 ELEV. 1489.00
PVT 57+50.00 ELEV. 1486.02
PVC 58+10.00 ELEV. 1482.44
PVI 59+50.00 ELEV. 1474.10
PVT 60+90.00 ELEV. 1478.31
STA 60+97.49 ELEV. 1478.54

150' V.C.
K = 28.13
e=-1.00'

100' V.C.
K = 59.60
e=-0.21'

280' V.C.
K = 31.24
e=3.14'

50' TRANSITION

55+25
FL IN = 1493.70 LT
FL OUT = 1492.78 RT

56+25
FL IN = 1489.20 LT
FL OUT = 1488.03 RT

0+00
FL IN = 1473.54 LT
FL OUT = 1472.21 RT

1.05% 4.28% 1.20% 0.60% 0.96% 3.46% 3.00% 3.47%

1510 1505 1500 1495 1490 1485 1480 1475 1470 1465

50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\p&p\r090384 AREA 1PP01.dgn
PLOTTED: 9/8/2020 09:50
SCALE: 1in00
MODEL: PLAN AND PROFILE SHEETS

G:\18101900_PeaRidge\TRANSP\dgn\p&p\r090384 AREA 1PP01.dgn
9/8/2020 09:50

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 49 | 151 |

(2) SITE 1 PLAN – ELKHORN TAVERN PARKING

PERI 15254I DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET

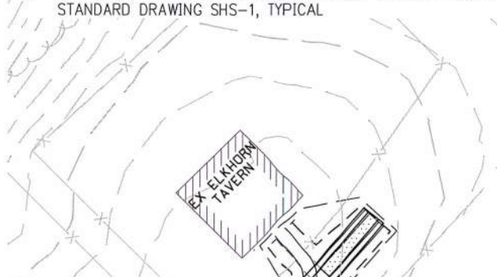
60' 0 60'

N

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

TYPICAL EXISTING TREE > 24" DIA.
CONSTRUCT DEPRESSED SIDEWALK AND WHEELCHAIR RAMPS, INSTALL 3 ACCESSIBLE PARKING SIGNS,
INSTALL ACCESSIBLE PARKING SIGN WITH VAN ACCESSIBLE SIGN,
PLANTED ISLAND WITH BENCHES (NIC). CONTRACTOR TO INSTALL ONLY THE BENCH MOUNTING BRACKETS AS PROVIDED BY NPS.
INSTALL CONCRETE SIDEWALK AROUND BUILDING
EXISTING BUILDING
REFER TO SHEET 50 FOR ENLARGED VIEW
CONSTRUCT CONCRETE PAVEMENT REFER TO SHEET FOR ENLARGED VIEW
CONTROL BASELINE / CENTERLINE, TYPICAL
TAPER CURB, SEE DETAIL
CONSTRUCT 10' SIDEWALK
MATCH ROADWAY PLANS
STRIPE 3 RV / BUS PARKING SPACES, 85' LONG EACH
CONSTRUCT ARDOT CURB & GUTTER TYPE 'A', TYPICAL
PAINT CROSSWALK AND CONSTRUCT WHEELCHAIR RAMPS
L=63.15, R=130.00 Δ=N70° 41' 27"W
TAPER CURB, SEE DETAIL
REFER TO SHEET 50 FOR ENLARGED VIEW
MATCHLINE THIS SHEET
LIMITS OF DISTURBANCE
TEMPORARY CONSTRUCTION EASEMENT
S84° 36' 28"E 334.47'
N79° 31' 42"
58.7
L=36.66, Δ=N81°

NOTES:
1. DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.
2. WARNING DEVICES SHALL ONLY BE INSTALLED AT LOCATIONS WHERE SIDEWALK CROSSES TRAFFIC, AT CROSSWALKS.
3. ALL SIGNS SHALL BE INSTALLED ON ARDOT SUPPORT ASSEMBLY TYPE 'A' PER STANDARD DRAWING SHS-1, TYPICAL




TWO TRACK NOTE:
COLOR OF NEW 5' WIDE CONCRETE SHALL MATCH EXISTING COLORED CONCRETE. COLOR SHALL BE AMS FEDERAL STANDARD COLOR 10091 OR APPROVED EQUAL

TWO TRACK ROAD, NEW 2.5' GRAVEL EACH SIDE OF EXISTING 5' WIDE COLORED CONCRETE,
MATCH EX 5' CONCRETE WITH NEW 5' CONCRETE
TWO TRACK ROAD, NEW 2.5' GRAVEL EACH SIDE OF NEW 5' COLORED CONCRETE,
2.5' WIDE CONCRETE WITH EXPOSED AGGREGATE FINISH
NEW MONUMENT SIDEWALK
5' WIDE CONCRETE
5' WIDE GRASS
2.5' WIDE GRAVEL
2.5' WIDE GRAVEL

TWO-TRACK ROAD AND MONUMENT SIDEWALK CONNECTION
NTS

CONSTRUCT 10' SIDEWALK AROUND EXISTING MONUMENTS. PROTECT MONUMENTS DURING CONSTRUCTION.
N35° 12' 39"W 37.72'
N18° 19' 25"W 15.04'
S17° 29' 31"E 43.59'
S41° 28' 37"W 25.15'
CONSTRUCT 10' SIDEWALK
L=29.47, R=100.00 Δ=N26° 46' 02"W
L=11.44, R=40.00 Δ=N8° 54' 53"W
CONSTRUCT 10' SIDEWALK
S41° 28'
TEMPORARY CONSTRUCTION EASEMENT
WAYSIDE, WITH PLANTED ISLAND WITH BENCHES
MATCHLINE THIS SHEET
N79° 31' 42"W 58.72'
LIMITS OF DISTURBANCE
CONTROL BASELINE / CENTERLINE, TYPICAL
CONSTRUCT 10' SIDEWALK
L=36.66, R=495.00 Δ=N81° 39' 00"W
L=77.16, R=395.00 Δ=N85° 07' 28"W
S89° 16' 46"W 22.83'
N89° 16' 46"E 219.04'

PLAN

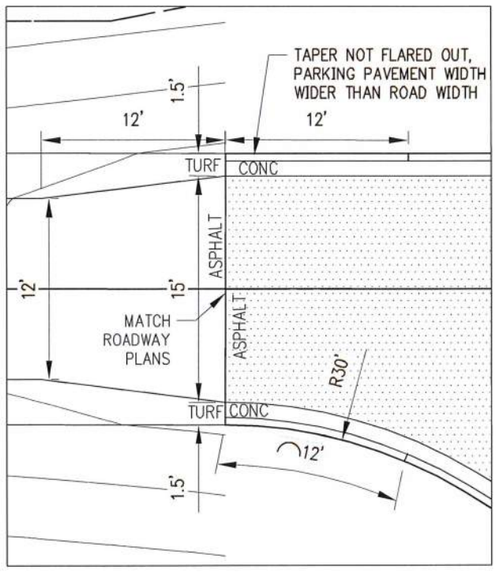
DRAWING G:\DESIGN_PROJECTS\PERI\CAD\CONSTDEP\LAYOUT ELKHORN.DWG - 3/27/2020, 7:53:09 AM
LAST PLOTTED BY: CURT BISHOP - 3/27/2020, 7:53:09 AM
LAST PLOTTED BY: CURT BISHOP, 3/27/2020, 7:12:38 AM PLOTSHEET BY: VALID HANDS COPY DAVIS

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 50 | 151 |

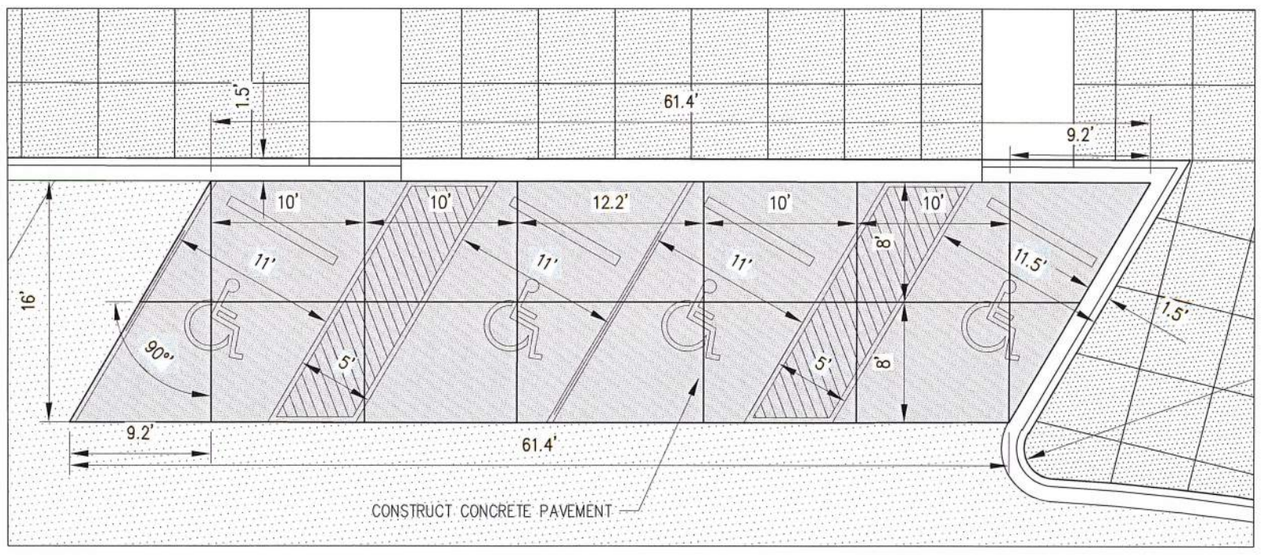
(2) SITE 1 ACCESSIBLE PARKING LAYOUT AND ROAD TAPER TRANSITIONS

PERI 152541 DRAWING NO. 409/150019

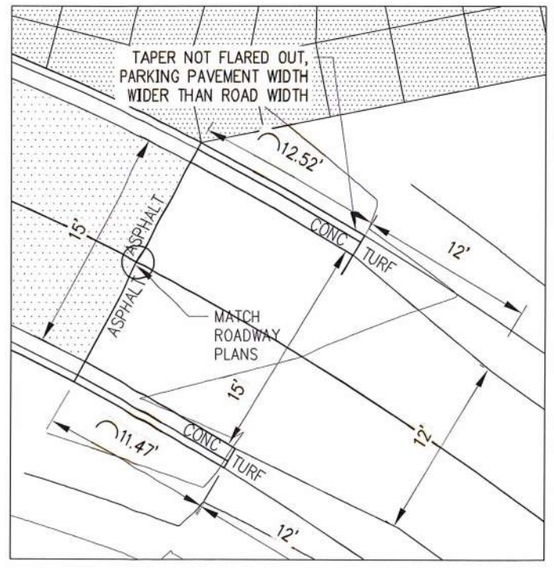
STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN




ELKHORN PARKING ENTRANCE
NTS




ELKHORN ACCESSIBLE PARKING
NTS



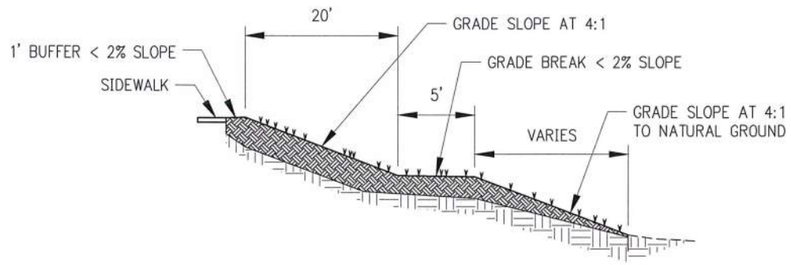

ELKHORN PARKING EXIT
NTS

PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 51 | 151 |

(2) SITE 1 GRADING PLAN - ELKHORN TAVERN PARKING & TRAIL

PERI 152541 DRAWING NO. 409/150019




GRAPHIC SCALE IN FEET

40' 0 40'

N

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

TEMPORARY CONSTRUCTION EASEMENT

LIMITS OF CONSTRUCTION

TC 1481.68
G 1481.18

TC 1479.01
G 1478.51

TC 1478.10

SW 1488.00

SW 1487.10

TC 1487.40
G 1486.90

TC 1487.05
G 1486.55

BLG

TC 1478.05
TC 1478.84
G 1478.34

MATCH
ROADWAY PLANS

-3.0%

-3.2%

-1.7%

-1.8%

TC 1486.55
G 1486.05

SW 1488.02

SW 1486.68

TC 1486.66
G 1486.16

MATCH
ROADWAY PLANS

END OF GRADE BREAK,
SLOPE AT 4:1 TO
NATURAL GROUND

20'

5' GRADE BREAK

1' BUFFER FROM EDGE OF SIDEWALK

20' SLOPE AT 4:1

5' WIDE GRADE BREAK

AFTER GRADE BREAK,
CONTINUE SLOPE AT 4:1
TO NATURAL GROUND

END OF GRADE BREAK,
SLOPE AT 4:1 TO
NATURAL GROUND

MATCHLINE SHEET 52

GRADING

DRAWING C:\1BIM\PRE_PLANS\DRAWINGS\ARC\ARCSITE\SHEETS\ARK_SHEETS.DWG
PLOTTED BY: ROY BROWN ON 9/4/2020 10:15:33 AM
LAST PLOTTED BY: CLAY BIRD ON 9/4/2020 10:15:33 AM PLOTTED BY: NAD 83 HARN CORP GRID

GRAPHIC SCALE IN FEET

60' 0 60'

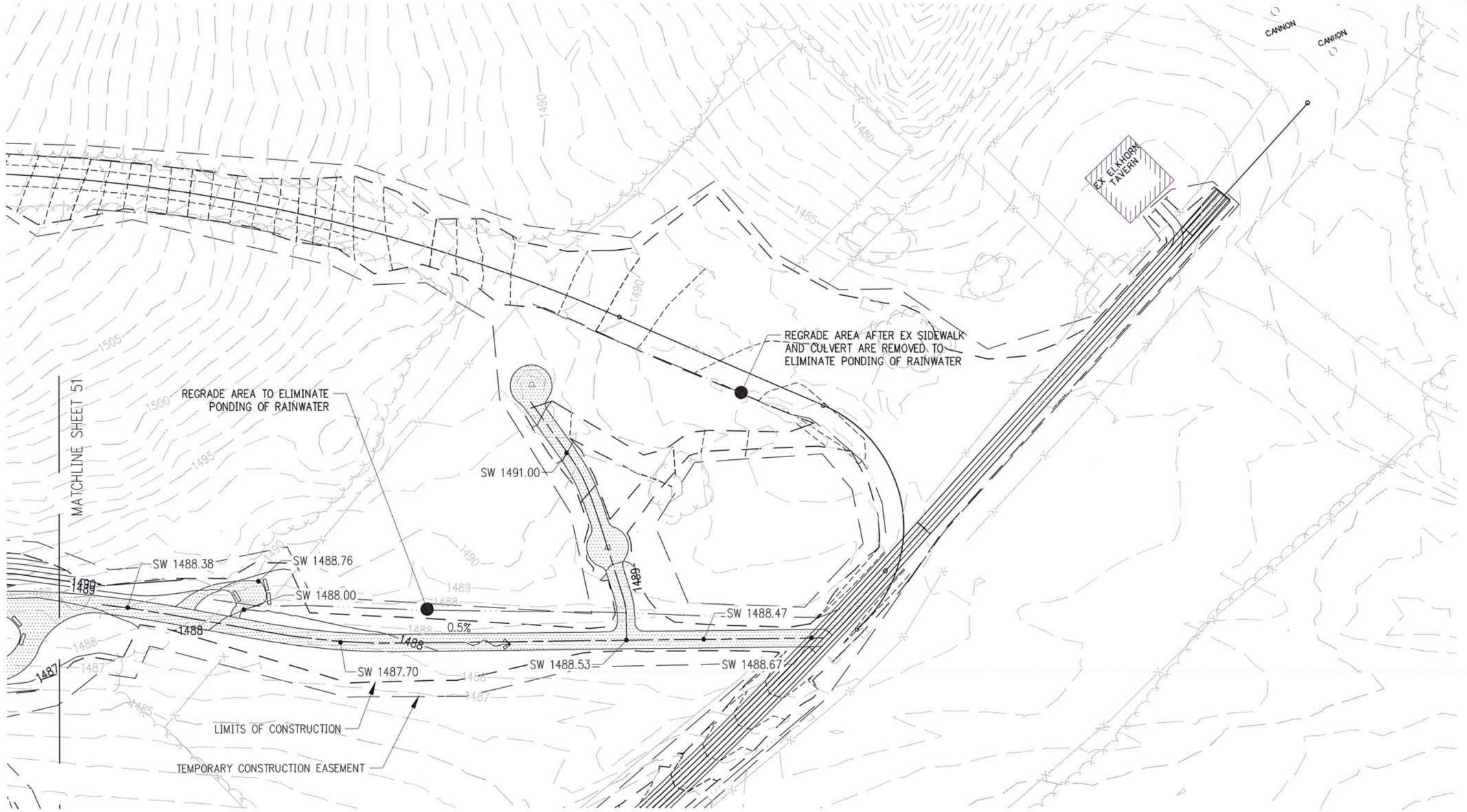
N

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 52 | 151 |

(2) SITE 1 GRADING PLAN - ELKHORN TAVERN PARKING & TRAIL

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN




GRADING

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 53 | 151 |

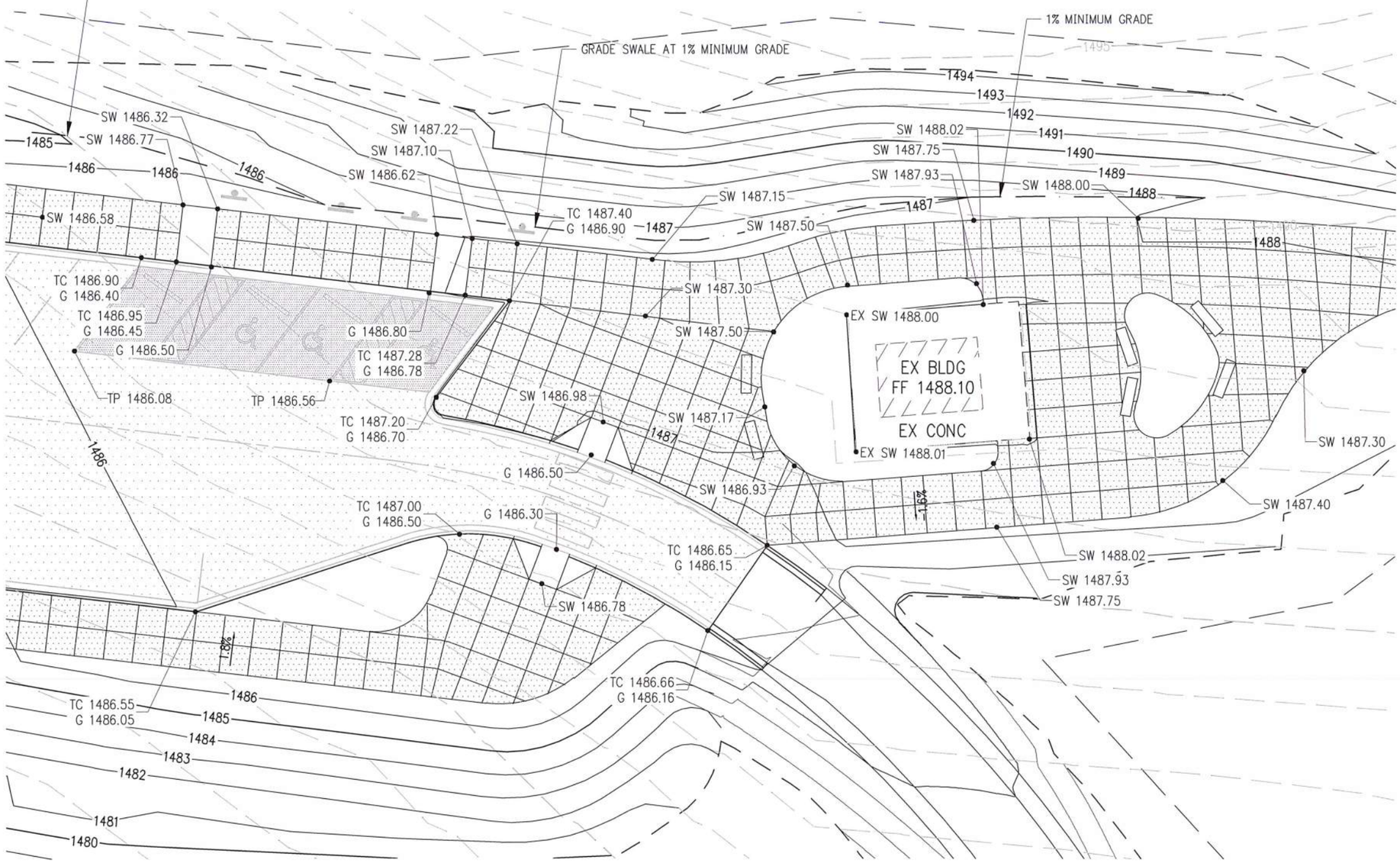
(2) SITE 1 SIDEWALK AND RESTROOM PLAZA AT ELKHORN TAVERN

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

N

GRAPHIC SCALE IN FEET
20' 0 20'




GRADING

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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 54 | 151 |

(2) PLAN AND PROFILE

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9620 HUBERT BURKS 09-09-2020

TWO TRACK (SITE 1)

TEMP. CONST. ESMT.

ORIGINAL PARK TOUR ROAD

PARK TOUR ROAD (ONE-WAY) 3' TURF SHLD

LIMITS OF CONST.

C.L. PARK TOUR RD.
PI = 66+72.63
Δ = 81°53'04" RT.
D = 28°00'00"
T = 177.52'
L = 292.44'
PCC = 64+95.11
PT = 67+87.56
e = 0.040'/'
Ls = 67'

C.L. PARK TOUR RD.
PI = 64+64.17
Δ = 27°50'04" RT.
D = 44°04'25"
T = 32.21'
L = 63.15'
PC = 64+31.96
PCC = 64+95.11
NO SUPER

C.L. PARK TOUR RD.
PI = 69+31.43
Δ = 30°34'59" RT.
D = 28°00'00"
T = 55.95'
L = 109.22'
PC = 68+75.49
PT = 69+84.71
e = 0.040'/'
Ls = 67'

100' TRANSITION

STA. 67+00 CONSTRUCT
22" X 14" X 28' R.C. ARCH PIPE CULVERT
(CLASS III)(TYPE 3 BEDDING)
W/ HDWLS LT. & RT.
QIO = 6 CFS ; D.A. = 1.8 AC.

STA. 64+95.11 TO 65+07.11
END OF CURB TRANSITION

STA. 64+95.11 C.L. PARK TOUR RD.
MATCH PARKING (SEE SITE PLAN)
BEGIN PARK TOUR ROAD CONSTRUCTION

REFER TO PARKING SITE PLAN

STA. 70+34.96 C.L. PARK TOUR RD.
END CONSTRUCTION SITE 1

LEGEND
PARKING/WALK AREA - SEE SITE PLAN
OBLITERATION OF EXIST. PAVEMENT

SITE 1
ONE-WAY TOUR ROAD - FROM ELKHORN TAVERN

STA. 64+95.11 BEGIN SUPERELEVATION
STA. 65+62.11 BEGIN MAX. SUPERELEVATION (0.040'/')
STA. 67+20.56 END MAX. SUPERELEVATION (0.040'/')
STA. 67+87.56 END SUPERELEVATION

STA. 68+25.24 BEGIN SUPERELEVATION
STA. 68+92.24 BEGIN MAX. SUPERELEVATION (0.040'/')
STA. 69+67.96 END MAX. SUPERELEVATION (0.040'/')
STA. 70+34.96 END SUPERELEVATION

REFER TO SITE PLAN

PVI 65+50.00
ELEV. 1485.24

PVI 64+95.11
ELEV. 1486.24
PVC 65+00.00
ELEV. 1486.15

-1.82%

100' V.C.
K = 31.34
e=-0.40'

PVT 66+00.00
ELEV. 1482.73

-5.01%

EXISTING GROUND

PVC 67+35.00
ELEV. 1475.97

100' V.C.
K = 48.92
e=0.26'

PVT 68+35.00
ELEV. 1471.98

67+00
FL IN = 1475.41LT
FL OUT = 1474.83 RT

PVI 67+85.00
ELEV. 1473.46

-2.97%

-3.45% RT.DI GR.

PROFILE GRADE

+00 RT. DT.
1468.54

PVI 70+34.96
ELEV. 1466.04

+34.96 RT. DT.
1463.88

100' TRANSITION

1490 1485 1480 1475 1470 1465 1460 1455 1450 1445

64+00 65+00 66+00 67+00 68+00 69+00 70+00 71+00 72+00

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MODEL: PLAN AND PROFILE SHEETS

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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 55 | 151 |

(2) PLAN AND PROFILE

PERI 152541 DRAWING NO. 409/150019

C.L. TWO TRACK
PI = 122+68.28
Δ = 19°39'39" LT.
D = 77°00'00"
T = 12.89'
L = 25.53'
PC = 122+55.39
PRC = 122+80.92
NO SUPER

STA. 123+11.31 C.L. TWO TRACK
BEGIN 5'-0" COLORED CONC. WITH 2'-6" EXPOSED AGG. CONC. ON RT. & 2'-6" GRAVEL ON LT.

STA. 123+25.14 C.L. TWO TRACK
END 5'-0" COLORED CONC. WITH 2'-6" EXPOSED AGG. CONC. RT. & 2'-6" GRAVEL LT.
BEGIN 5'-0" GRASS CENTER WITH 2'-6" GRAVEL ON BOTH SIDES

C.L. TWO TRACK
PI = 125+11.62
Δ = 13°29'25" RT.
D = 02°43'42"
T = 248.37'
L = 494.44'
PRC 122+63.25
PT 127+57.70
NO SUPER

STA. 130+03.83 C.L. TWO TRACK
END CONSTRUCTION

CONST. 2'-6" GRAVEL TRACK ON BOTH SIDES OF EXIST. CONC. 5' WALKWAY STA. 120+05.00 TO 122+30.00

STA. 122+30.00 C.L. TWO TRACK
BEGIN CONSTRUCTION
5'-0" COLORED CONC. WITH 2'-6" GRAVEL BOTH SIDES

ELKHORN TAVERN

REFER TO SITE 1 SITE PLAN

ORIGINAL PARK TOUR ROAD SITE 1

PARK TOUR ROAD SITE 1

TEMP. CONST. ESMT.

LIMITS OF CONST.

TEMP. CONST. ESMT. TWO TRACK

C.L. CONST.

T.C.E.

INSET A

TWO TRACK

PARK TOUR ROAD (ONE-WAY)

3' TURF SHLD

LEGEND
PARKING/WALK AREA - SEE SITE PLAN
OBLITERATION OF EXIST. PAVEMENT

SITE 1
TWO TRACK - ELKHORN TAVERN

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-01-2020

CONSTRUCT 2'-6" GRAVEL TRACK ON BOTH SIDES

CONSTRUCT 2'-6" GRAVEL TRACK ON BOTH SIDES OF EXISTING CONCRETE 5' WALKWAY

CONSTRUCT 5' COLORED CONC. WITH 2'-6" GRAVEL BOTH SIDES

CONSTRUCT 5' COLORED CONC. WITH 2'-6" EXPOSED AGG. CONC. RT. & 2'-6" GRAVEL LT.

CONSTRUCT 5'-0" GRASS CENTER WITH 2'-6" GRAVEL TRACK ON BOTH SIDES

STA. 119+72.00
STA. 120+02.00
STA. 122+30.00
STA. 123+11.31
STA. 123+25.14

PVC 122+57.50 ELEV. 1488.15
PVT 122+92.50 ELEV. 1488.47
PVI 123+35.00 ELEV. 1489.00
0.56%
-1.25%
PVI 122+30.00 ELEV. 1488.00
PVI 122+75.00 ELEV. 1488.25
PVC 123+12.50 ELEV. 1488.72
PVT 123+57.50 ELEV. 1488.12
35' V.C. K = 50.40 e=0.03'
45' V.C. K = 8.69 e=-0.29'
-3.93%
NO V.C.
PVI 124+75.00 ELEV. 1483.50
PROFILE GRADE
-3.11%
EXISTING GROUND
NO V.C.
PVI 127+00.00 ELEV. 1476.50
-2.36%
PVI 130+03.83 ELEV. 1469.33

1505 1500 1495 1490 1485 1480 1475 1470 1465 1460

119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00 131+00

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MODEL: PLAN AND PROFILE SHEETS

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|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 56 | 151 |

(2) SITE 1 DEMOLITION PLAN – ELKHORN TAVERN PARKING

PERI 15254I DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

GRAPHIC SCALE IN FEET
60' 0 60'
N

TYPICAL EXISTING TREE > 24" DIA.

EXISTING RESTROOM

ALL TREES TO BE CLEARED SHALL BE MARKED AND APPROVED FOR REMOVAL BY THE ENGINEER AND NPS PERSONNEL.

DRAINAGE CHANNEL TO BE REROUTED OR ELIMINATED, SEE GRADING SHEETS

MATCHLINE THIS SHEET

1480 1485 1490 1495 1500

EX. ELKHORN TAVERN

PAVED PARKING

REMOVE CONCRETE

REMOVE ROADWAY AND PARKING AREA

TREE TO REMAIN. PROTECT DURING DEMOLITION OF CONCRETE PATH.

MONUMENTS TO REMAIN, PROTECT DURING CONSTRUCTION

REMOVE CONCRETE

MATCHLINE THIS SHEET

DEMOLITION

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 57 | 151 |

2 DEMO PLAN

PERI 152541 DRAWING NO. 409/150019

APPROX. STA. 107+50 IN PLACE
22"x 16"x 32' C.M. ARCH PIPE CULV'T.
REMOVE

C.L. ORIGINAL TOUR RD.
PI = 109+27.12
Δ = 34°12'46" RT.
D = 09°32'57"
T = 184.66'
L = 358.27'
PC = 107+42.46
PT = 111+00.73

APPROX. STA. 110+00 IN PLACE
25"x 16"x 32' C.M. ARCH PIPE CULV'T.
REMOVE

APPROX. STA. 113+50 IN PLACE
29"x 16"x 32' C.M. ARCH PIPE CULV'T.
REMOVE

C.L. ORIGINAL TOUR RD.
PI = 113+50.14
Δ = 21°01'08" LT.
D = 07°38'22"
T = 139.13'
L = 275.14'
PC = 112+11.01
PT = 114+86.14

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURTON
09-09-2020

P.O.B. 50+42.54
P.C. 51+03.15
P.R.C. 52+17.96
P.I. 52+68.67
P.T. 104+17.95
P.T. 53+19.12
P.C. 53+53.05
P.C. 107+42.46
P.I. 109+27.12
P.T. 111+00.13
P.C. 112+11.01
P.I. 113+50.14
P.T. 114+86.14
P.C. 116+15.50
P.I. 51+60.69
P.I. 55+75.85
P.T. 57+68.11
P.C. 58+95.98

105 110 115 55 60

N77°32'12"E
S68°14'47"E
S83°14'14"E
N87°21'56"E
S82°31'09"E
S83°15'55"E
S52°03'53"E

TEMP. CONST. ESMT.
ORIGINAL TOUR ROAD

LEGEND
PARKING/WALK AREA - SEE SITE PLAN
OBLITERATION OF EXIST. PAVEMENT

SITE 1
ROADBED DEMO PLAN

C.L. ORIGINAL TOUR RD.
PI = 118+18.82
Δ = 22°59'07" RT.
D = 05°43'46"
T = 203.32'
L = 401.17'
PC = 116+15.50
PT = 120+16.67

P.C. 116+15.50
P.I. 118+18.82
P.T. 120+16.67
P.C. 121+44.00
P.I. 122+66.91
P.C. 122+63.25
P.T. 123+00.27
P.O.B. 119+00.00

120 65

S66°16'48"E
S41°28'37"W

TEMP. CONST. ESMT.
T.C.E.
ORIGINAL TOUR ROAD
TWO TRACK SITE 6

C.L. ORIGINAL TOUR RD.
PI = 122+66.91
Δ = 115°31'53" RT.
D = 73°55'48"
T = 122.90'
L = 156.27'
PC = 121+44.00
PT = 123+00.27

LEGEND
PARKING/WALK AREA - SEE SITE PLAN
OBLITERATION OF EXIST. PAVEMENT

SITE 1
ROADBED DEMO PLAN

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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 58 | 151 |

(2) PLAN AND PROFILE

PERI 152541 DRAWING NO. 409/150019

C.L. HORSE TRAILER ENT.
PI= 0+44.61
Δ = 30°00'43" LT.
D = 57°17'45"
T = 26.81'
L = 52.38'
PC = 0+17.80
PCC = 0+70.18

STA. 12+60 IN PLACE
18"x85' C.M.P. ABANDONED
SIDE DRAIN
REMOVE

EXIST. PARK ROAD

TEMP. CONST. ESMT.

REFER TO SITE 4 SITE PLAN

EXIST. R/W

EXIST. CONST. EASEMENT

LIMITS OF CONST.

T.C.E.

CONSTRUCT PAD.
(PARK SIGN BY OTHERS)

CONSTRUCT PAD.
(PARK SIGN BY OTHERS)

STA. 288+74.17 C.L. HWY. 62 =
STA. 10+00.00 C.L. PARK ENTRANCE RD.
Δ = 90°00'00"

STA. 10+31.50
BEGIN JOB 090384

STA. 12+99.88 C.L. PARK ENTRANCE RD. =
STA. 0+00.53 C.L. HORSE TRAILER ENT.
Δ = 92°08'18"

STA. 13+40 CONSTRUCT
RAMP RT.
26 SQ. YDS.

STA. 10+60 IN PLACE
24"x68' R.C. PIPE CULV'T.
WITH F.E.S. LT. & RT.
TO REMAIN

EXIST. CONST. EASEMENT

TRAIL

EXIST. HISTORIC MARKER

STA. 13+00 CONSTRUCT
APPROACH LT. = 15 CU. YDS.

STA. 18+48 IN PLACE
24"x50' R.C. PIPE CULV'T.
(3°LT. FWD. SKEW)
WITH HDWLS.
TO REMAIN
QIO = 9 CFS DA = 5.6 AC.

STA. 24+67 IN PLACE
18"x45' R.C. PIPE CULV'T.
WITH HDWLS.
TO REMAIN
QIO = 4 CFS DA = 2.2 AC.

PARK ENTRANCE ROAD

C.L. CONST.

STA. 25+00.00 C.L. PARK ENTRANCE RD.
END SITE 2
BEGIN SITE 3

C.L. CONST. PARK ENTRANCE RD.
PI= 12+95.69
Δ = 78°14'56" RT.
D = 24°00'00"
T = 194.18'
L = 326.04'
PC = 11+01.51
PT = 14+27.54
e = 0.038'/'
Ls = 125'

C.L. CONST. PARK ENTRANCE RD.
PI= 17+17.29
Δ = 11°33'02" RT.
D = 02°00'00"
T = 289.75'
L = 577.53'
PC = 14+27.54
PT = 20+05.07
NO SUPER

STATE OF ARKANSAS
REGISTERED
PROFESSIONAL
ENGINEER
No. 9620
HUBERT BURNETT
09-09-2020

SITE 2
PARK ENTRANCE ROAD

STA. 10+59.50 BEGIN SUPERELEVATION (N.C.)
STA. 11+84.50 BEGIN MAX. SUPERELEVATION (0.038'/')
STA. 13+96.29 END MAX. SUPERELEVATION (0.038'/')
STA. 15+21.29 END SUPERELEVATION (N.C.)

HORSE TRAILER
PARKING ENTRANCE

PVI 0+12.53
ELEV. 1395.57
PVI 0+30.09
ELEV. 1395.92
PVI 0+64.35
ELEV. 1392.87
2.00%
-4.86%
30' V.C.
K = 2.76
e=-0.41'
PVC 0+15.00
ELEV. 1395.62
PVT 0+45.00
ELEV. 1394.59

PROFILE GRADE

PVI 10+31.50
ELEV. 1393.29
PVI 10+90.00
ELEV. 1394.50
0.7%
100' V.C.
K = 59.25
e=-0.23'
PVC 10+40.00
ELEV. 1393.47
PVT 11+40.00
ELEV. 1394.60
10+60
EXIST.FL IN = 1390.26 RT
EXIST.FL OUT = 1388.52 LT

0.19%
-0.11% RT. DT. GR.
-0.82% RT. DT. GR.
-3.60% RT. DT. GR.
+75 RT. DT.
1394.15
+25 RT. DT.
1393.99
+48 RT. DT.
1391.33
+50 RT. DT.
1395.00

PVC 17+77.50
ELEV. 1395.81
PVI 18+77.50
ELEV. 1396.00
200' V.C.
K = 88.37
e=0.57'
PVT 19+77.50
ELEV. 1398.45
18+48
EXIST.FL IN = 1391.33 RT
EXIST.FL OUT = 1388.66 LT

EXISTING GROUND

PVI 22+50.00
ELEV. 1405.14
2.40%
2.45%
24+67
EXIST.FL IN = 1406.73 RT
EXIST.FL OUT = 1406.17 LT

1415 1410 1405 1400 1395 1390 1385 1380 1375 1370

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00

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MODEL: PLAN AND PROFILE SHEETS

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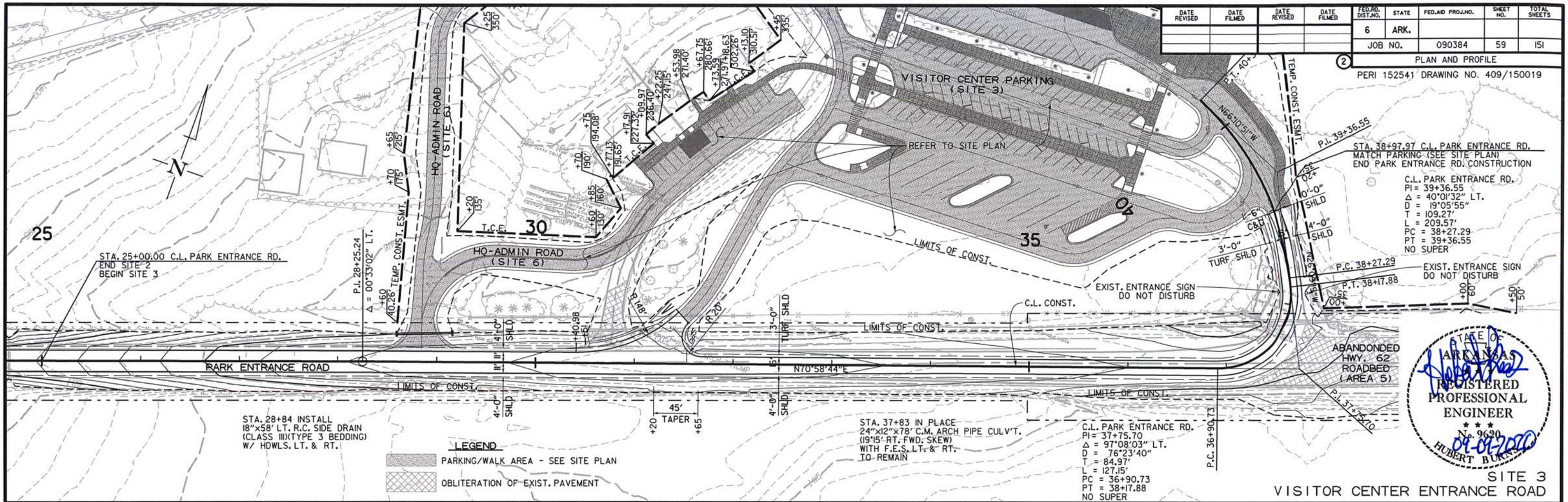
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 59 | 151 |

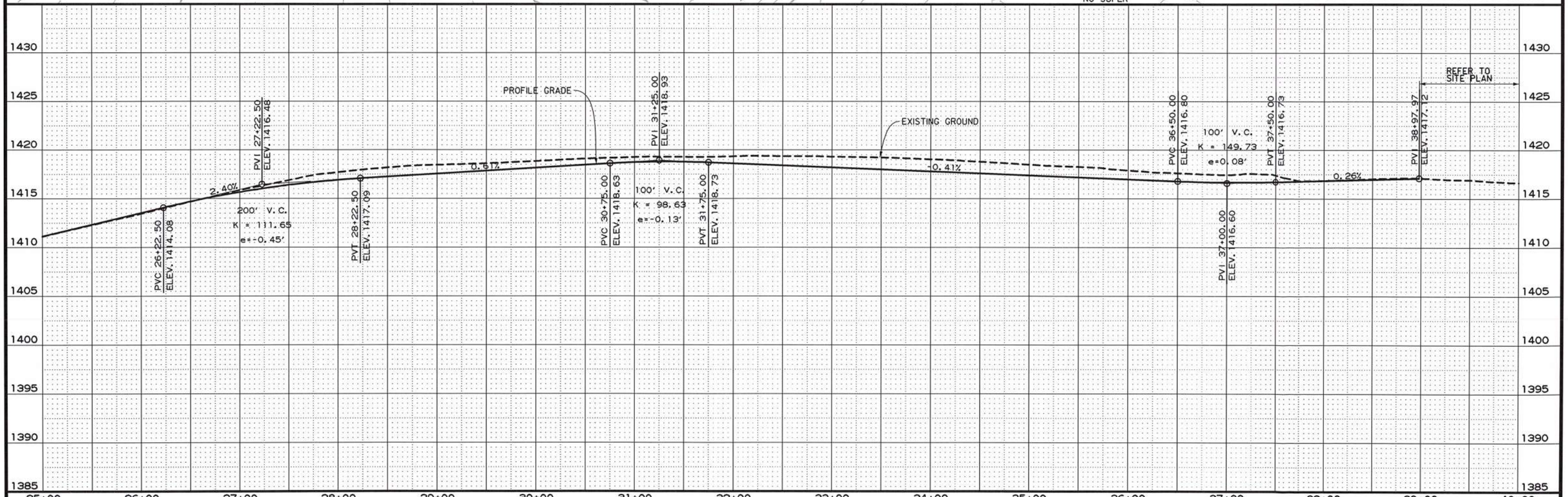
(2) PLAN AND PROFILE

PERI 152541 DRAWING NO. 409/150019




STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURKS

SITE 3
VISITOR CENTER ENTRANCE ROAD

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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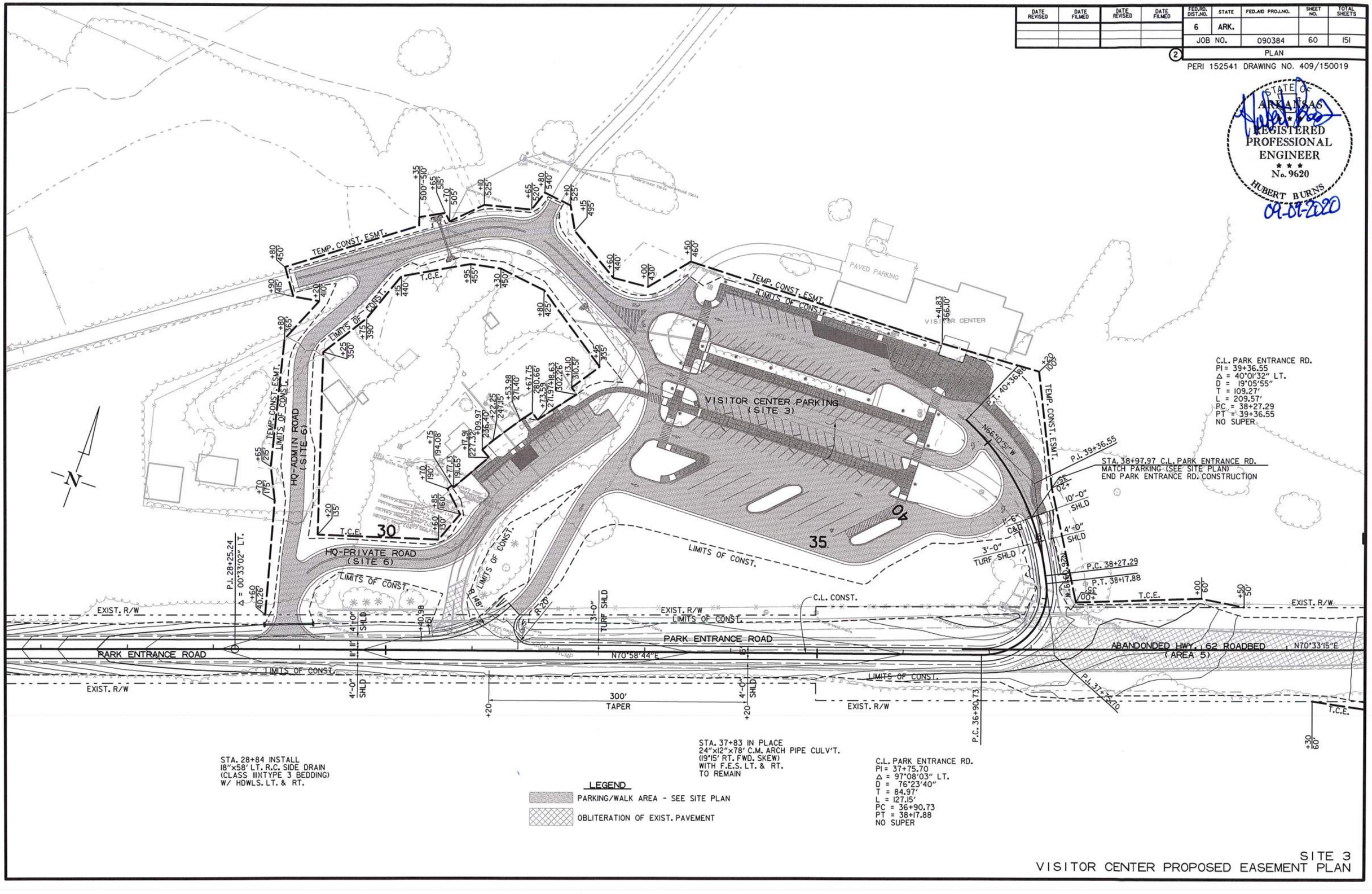
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 60 | 151 |
| (2) | PLAN | | | |

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-07-2020




C.L. PARK ENTRANCE RD.
PI = 39+36.55
Δ = 40°01'32" LT.
D = 19°05'55"
T = 109.27'
L = 209.57'
PC = 38+27.29
PT = 39+36.55
NO SUPER

STA. 38+97.97 C.L. PARK ENTRANCE RD.
MATCH PARKING (SEE SITE PLAN)
END PARK ENTRANCE RD. CONSTRUCTION

STA. 28+84 INSTALL
18"x58' LT. R.C. SIDE DRAIN
(CLASS III)(TYPE 3 BEDDING)
W/ HDWLS. LT. & RT.

STA. 37+83 IN PLACE
24"x12"x78' C.M. ARCH PIPE CULV'T.
(19°15' RT. FWD. SKEW)
WITH F.E.S. LT. & RT.
TO REMAIN

LEGEND
PARKING/WALK AREA - SEE SITE PLAN
OBLITERATION OF EXIST. PAVEMENT

C.L. PARK ENTRANCE RD.
PI = 37+75.70
Δ = 97°08'03" LT.
D = 76°23'40"
T = 84.97'
L = 127.15'
PC = 36+90.73
PT = 38+17.88
NO SUPER

# SITE 3
# VISITOR CENTER PROPOSED EASEMENT PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 61 | 151 |

(2) SITE 3 OVERALL PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
60' 0 60'

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

N54° 49' 46"E 213.25'
L=108.13, R=100.00 Δ=S85° 48' 18"W
L=61.30, R=102.50 Δ=S37° 41' 45"W
S20° 33' 44"W 14.93'
L=47.46, R=300.00 Δ=N25° 05' 39"E
N29° 37' 35"E 41.05'
L=49.56, R=60.00 Δ=S5° 57' 42"W
LIMITS OF DISTURBANCE
TEMPORARY CONSTRUCTION EASEMENT
S63° 13' 10"E 61.78'
L=81.59, R=72.00 Δ=N84° 18' 59"E
S58° 22' 12"E 41.40'
L=153.83, R=100.00 Δ=N19° 09' 02"W
EX FO LINE
CONTROL BASELINE / CENTERLINE, TYPICAL
L=56.87, R=250.00 Δ=N84° 53' 45"W
VISITOR CENTER
S78° 22' 43"E 38.02'
S88° 35' 14"W 232.20'
L=64.06, R=200.00 Δ=N69° 12' 08"W
L=106.67, R=300.00 Δ=N49° 50' 23"W
S88° 36' 46"W 353.43'
EXISTING GRAVEL
MAINTENANCE ROAD
N17° 42' 10"W 148.44'
VC HEADQUARTERS
S24° 55' 07"W 18.98'
L=83.56, R=300.00 Δ=S16° 56' 22"W
S88° 36' 46"W 373.33'
RV/BUS PARKING
L=78.60, R=28.50 Δ=N9° 36' 28"E
L=53.79, R=300.00 Δ=N12° 33' 57"W
N88° 36' 46"E 292.19'
RV/BUS PARKING
N43° 36' 46"E 59.35'
L=36.16, R=200.00 Δ=S12° 36' 31"E
L=77.96, R=75.00 Δ=N43° 56' 53"E
S73° 43' 29"W 71.13'
S08° 57' 37"W 76.49'
CONTROL BASELINE CENTERLINE, TYPICAL
S17° 42' 42"E 57.41'
L=121.70, R=75.00 Δ=S27° 14' 14"W
L=54.82, R=157.00 Δ=N18° 57' 45"E
LIMITS OF DISTURBANCE
L=34.56, R=44.00 Δ=N66° 06' 46"E
L=39.60, R=50.00 Δ=S66° 18' 04"W
MATCH TO ROADWAY PLANS
L=41.87, R=50.00 Δ=N64° 59' 57"E
EXISTING RIGHT OF WAY
S41° 00' 33"W 7.07'
L=71.90, R=44.00 Δ=N5° 48' 10"W
UGTV
S19° 15' 02"E 23.08'
PROPOSED ROADWAY
MATCH TO ROADWAY PLANS
MATCH TO ROADWAY PLANS

NOTES:
1. DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.
2. WARNING DEVICES SHALL ONLY BE INSTALLED AT LOCATIONS WHERE SIDEWALK CROSSES TRAFFIC, AT CROSSWALKS.
3. ALL SIGNS SHALL BE INSTALLED ON ARDOT SUPPORT ASSEMBLY TYPE 'A' PER STANDARD DRAWING SHS-1, TYPICAL

PLAN

DRAWING CLUTTER ON SHEET: NONE HIDDEN LAYERS ON LAYOUT: 0, DEFPOINTS
LAYOUT: ORIGIN DWG: L4S_3.1165.C3009_9/3/2020 3:32:22 PM
LAST EDITED BY: GAY (SAVE DATE: 9/3/2020 3:33:11 PM | PLOTTED BY: GAY | PLOTTED ON: HALF-SIZE (11.00 X 17.00 IN))

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 62 | 151 |

2 SITE 3 ENLARGED PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
30' 0 30'

N

INSTALL NEW 24" STORM PIPE WITH ROCK HEADWALL ON EACH END

EDGE OF TURF SHOULDER, TYPICAL

EXISTING STORM PIPE

EDGE OF ASPHALT, TYPICAL

PAINT 6" DOUBLE YELLOW STRIPING

MATCH EXISTING ROADWAY

R11'

LIMITS OF DISTURBANCE

EDGE OF ASPHALT, TYPICAL

EDGE OF TURF SHOULDER, TYPICAL

MATCH TO EXISTING ROAD

R31.5'

3' TURF SHOULDER

22'

PAINT 6" DOUBLE YELLOW STRIPING

PAINT ARROWS AS SHOWN

R62.5'

MATCHLINE SHEET 64

LIMITS OF DISTURBANCE

TEMPORARY CONSTRUCTION EASEMENT

INSTALL ROCK HEADWALL

1-0

PAINT 6" YELLOW ISLAND STRIPING TO DELINEATE TRAFFIC FLOW

INSTALL YIELD SIGN (R1-2) ON ARDOT SUPPORT ASSEMBLY TYPE 'A'

EX FO LINE

CONSTRUCT 6' SIDEWALK

1-1

CONSTRUCT ARDOT CURB & GUTTER TYPE 'A', TYPICAL

VC HEADQUARTERS

INSTALL 20' CANTILEVER SLIDE GATE W/ SLIDE GATE OPERATOR SEE SHEET 13 AND RECONSTRUCT FENCING TO SECURE PERIMETER

BLG

MAINTENANCE ROAD
3" ACHM SURFACE CORSE
8" CLASS 7 AGGREGATE BASE COURSE

EXISTING GRAVEL

EXISTING GRAVEL

16'

MATCHLINE SHEET 63

NOTES:
1. DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.
2. WARNING DEVICES SHALL ONLY BE INSTALLED AT LOCATIONS WHERE SIDEWALK CROSSES TRAFFIC, AT CROSSWALKS.
3. ALL SIGNS SHALL BE INSTALLED ON ARDOT SUPPORT ASSEMBLY TYPE 'A' PER STANDARD DRAWING SHS-1, TYPICAL

CONSTRUCT DEPRESSED SIDEWALK AND CURB ACCESS RAMP, INSTALL ACCESSIBLE PARKING SIGN,

INSTALL WHEEL STOP

15'

3' TURF SHOULDER

19.5'

9'

R5'

R15'

R26'

PLAN

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

DRAWING: C:\1851 HSD_PROJECTS\SHS\STRUCTURE\CIVIL\DWG\SBE_PLAN.DWG
LAST SAVED BY: CLAY REPOP 10/2/2020 4:36:33 PM (PLOTTED BY: *VALID ON HARD COPY ONLY)

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 63 | 151 |

2 SITE 3 ENLARGED PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019

MATCHLINE SHEET 62

16'

LIMITS OF DISTURBANCE

INSTALL 20' CANTILEVER SLIDE GATE W/ SLIDE GATE OPERATOR SEE SHEET 13 AND RECONSTRUCT FENCING TO SECURE PERIMETER

PAINT 6" DOUBLE YELLOW STRIPING

3' TURF SHOULDER

R8'

22'

TEMPORARY CONSTRUCTION EASEMENT

LIMITS OF DISTURBANCE

CONSTRUCT DEPRESSED SIDEWALK AND CURB ACCESS RAMP, INSTALL ACCESSIBLE PARKING SIGN, VAN ACCESSIBLE SIGN SEE SIDEWALK AND RAMP AT HEADQUARTERS SHEET

INSTALL WHEEL STOP

INSTALL WHEEL STOP

CONSTRUCT CONCRETE PAVEMENT

11'

11'

5'

22'

CONSTRUCT CURB TAPER PER DETAIL

PAINT 4" WHITE PARKING STALL STRIPING

CONSTRUCT ARDOT CURB & GUTTER TYPE 'A' TYPICAL

3' TURF SHOULDER

R36.5'

R15'

R15'

R15'

R35'

CONSTRUCT ARDOT CURB & GUTTER TYPE 'A' TYPICAL

EDGE OF ASPHALT, TYPICAL

EDGE OF TURF SHOULDER, TYPICAL

15'

3' TURF SHOULDER

3' TURF SHOULDER

3' TURF SHOULDER

LIMITS OF DISTURBANCE

EDGE OF ASPHALT, TYPICAL

EDGE OF TURF SHOULDER, TYPICAL

LIMITS OF DISTURBANCE

PROTECT TREES TO REMAIN

3' TURF SHOULDER

R32'

R32'

EXISTING RIGHT OF WAY

MATCH ROADWAY PLANS

MATCH ROADWAY PLANS

PROPOSED ROADWAY

MATCHLINE SHEET 65

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
TROY D. BROWN

GRAPHIC SCALE IN FEET
30' 0 30'

NOTES:
1. DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.
2. WARNING DEVICES SHALL ONLY BE INSTALLED AT LOCATIONS WHERE SIDEWALK CROSSES TRAFFIC, AT CROSSWALKS.
3. ALL SIGNS SHALL BE INSTALLED ON ARDOT SUPPORT ASSEMBLY TYPE 'A' PER STANDARD DRAWING SHS-1, TYPICAL

PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 64 | 151 |

(2) SITE 3 ENLARGED PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019

NOTES:
1. DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.
2. WARNING DEVICES SHALL ONLY BE INSTALLED AT LOCATIONS WHERE SIDEWALK CROSSES TRAFFIC, AT CROSSWALKS.
3. ALL SIGNS SHALL BE INSTALLED ON ARDOT SUPPORT ASSEMBLY TYPE 'A' PER STANDARD DRAWING SHS-1, TYPICAL
4. ALL LOCATIONS WITHOUT PULL BOXES SHALL BE STUB (CAPPED) ABOVE GROUND FOR FUTURE ACCESS.

UGC-2" UGC-2" UNDERGROUND CONDUIT – ELECTRICAL

UGC-1" UGC-1" UNDERGROUND CONDUIT – CCTV

STANDARD PULL BOX ARDOT DRAWING SD-6 TYPE 1

HEAVY DUTY PULL BOX ARDOT DRAWING SD-6 TYPE 2

STATE OF ARKANSAS 9-3-2020 REGISTERED PROFESSIONAL ENGINEER No. 10855 ROY D. BROWN

GRAPHIC SCALE IN FEET
30' 0 30'

MATCH NEW ROAD TO EXISTING ROAD
EX FD LINE
MATCHLINE SHEET 62
LIGHTS AND RELATED UGE LINES, BY OTHERS. NOT IN THIS CONTRACT.
CONSTRUCT 7.5' SIDEWALK
TEMPORARY CONSTRUCTION EASEMENT
LIMITS OF DISTURBANCE
WHEEL STOPS, TYPICAL (6)
CONSTRUCT CONCRETE PAVEMENT
INSTALL ACCESSIBLE PARKING SIGN WITH VAN ACCESSIBLE SIGN,
MATCH EXISTING SIDEWALK
CONSTRUCT DEPRESSED SIDEWALK AND CURB ACCESS RAMP, INSTALL 5 ACCESSIBLE PARKING SIGNS
PAINT ACCESSIBLE PARKING SPACES AS PER DETAIL
PAINT CROSSWALK AND CONSTRUCT WHEELCHAIR RAMPS
MATCH EXISTING PARKING LOT WIDTH
CONSTRUCT ARDOT CURB & GUTTER TYPE 'A', TYPICAL
CONSTRUCT 3' WIDE DRAINAGE FLUME AND SIDEWALK UNDERDRAIN
PAINT ARROWS AS SHOWN, TYPICAL
LIMITS OF DISTURBANCE
CONSTRUCT ARDOT TYPE 'A' CURB & GUTTER
PAINT CROSSWALK AND CONSTRUCT WHEELCHAIR RAMPS
PAINT 6" WHITE STRIPE
CONSTRUCT 10' SIDEWALK
CONSTRUCT 10' SIDEWALK
CONSTRUCT 3' WIDE SIDEWALK UNDERDRAIN
CONSTRUCT ARDOT CURB & GUTTER TYPE 'A', TYPICAL
PAINT PARKING SPACES WITH 4" WHITE PAINT, TYPICAL
TYP. CURB TAPER, SEE DETAIL
MATCHLINE SHEET 65
CONSTRUCT ARDOT CURB & GUTTER, TYPE 'A' TYPICAL
INSTALL YIELD SIGN (R1-2) ON ARDOT SUPPORT ASSEMBLY TYPE 'A'
PAINT CROSSWALK AND CONSTRUCT WHEELCHAIR RAMPS
PAINT CROSSWALK AND CONSTRUCT WHEELCHAIR RAMPS
CONSTRUCT 10' SIDEWALK
PAINT PARKING SPACES

PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 65 | 151 |

2 SITE 3 ENLARGED PLAN - VISITOR CENTER PARKING

RERI 152541 DRAWING NO. 409/150019

3' WIDE SIDEWALK UNDERDRAIN

CONSTRUCT ARDOT CURB & GUTTER TYPE 'A', TYPICAL

PAINT PARKING SPACES WITH 4" WHITE PAINT, TYPICAL

TYP. CURB TAPER, SEE DETAIL

CONSTRUCT ARDOT CURB & GUTTER, TYPE 'A' TYPICAL

PAINT CROSSWALK AND CONSTRUCT WHEELCHAIR RAMPS

CONSTRUCT 10' SIDEWALK

INSTALL YIELD SIGN (R1-2) ON ARDOT SUPPORT ASSEMBLY TYPE 'A'

MATCHLINE SHEET 64

PAINT PARKING SPACES WITH 4" WHITE PAINT, TYPICAL

PAINT TRAFFIC CONTROL ARROWS, TYPICAL

CONSTRUCT WHEELCHAIR RAMP

LIGHTS AND RELATED UGE LINES, BY OTHERS. NOT IN THIS CONTRACT.

3' TURF SHOULDER BOTH SIDES

INSTALL YIELD SIGN (R1-2) ON ARDOT SUPPORT ASSEMBLY TYPE 'A'

ACCESSIBLE RV / BUS PARKING

PAINT CROSSWALK

MATCHLINE SHEET 63

MATCH ROADWAY PLANS

3' TURF SHOULDER, SEE ROADWAY PLANS

4' PAVED SHOULDER, SEE ROADWAY PLANS

CONSTRUCT CURB & GUTTER

LIMITS OF DISTURBANCE

EDGE OF TURF SHOULDER, TYPICAL

EDGE OF ASPHALT, TYPICAL

CONSTRUCT ARDOT CURB & GUTTER TYPE 'A' TYPICAL

EXISTING RIGHT OF WAY

PROTECT EXISTING ENTRANCE SIGN

PROPOSED ROADWAY

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
ROY D. BROWN
No. 10855
9-3-2020

GRAPHIC SCALE IN FEET
30' 0 30'

NOTES:
1. DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.
2. WARNING DEVICES SHALL ONLY BE INSTALLED AT LOCATIONS WHERE SIDEWALK CROSSES TRAFFIC, AT CROSSWALKS.
3. ALL SIGNS SHALL BE INSTALLED ON ARDOT SUPPORT ASSEMBLY TYPE 'A' PER STANDARD DRAWING SHS-1, TYPICAL
4. ALL LOCATIONS WITHOUT PULL BOXES SHALL BE STUB (CAPPED) ABOVE GROUND FOR FUTURE ACCESS.

UGC-2" UGC-2" UNDERGROUND CONDUIT - ELECTRICAL

UGC-1" UGC-1" UNDERGROUND CONDUIT - CCTV

STANDARD PULL BOX ARDOT DRAWING SD-6 TYPE 1

HEAVY DUTY PULL BOX ARDOT DRAWING SD-6 TYPE 2

PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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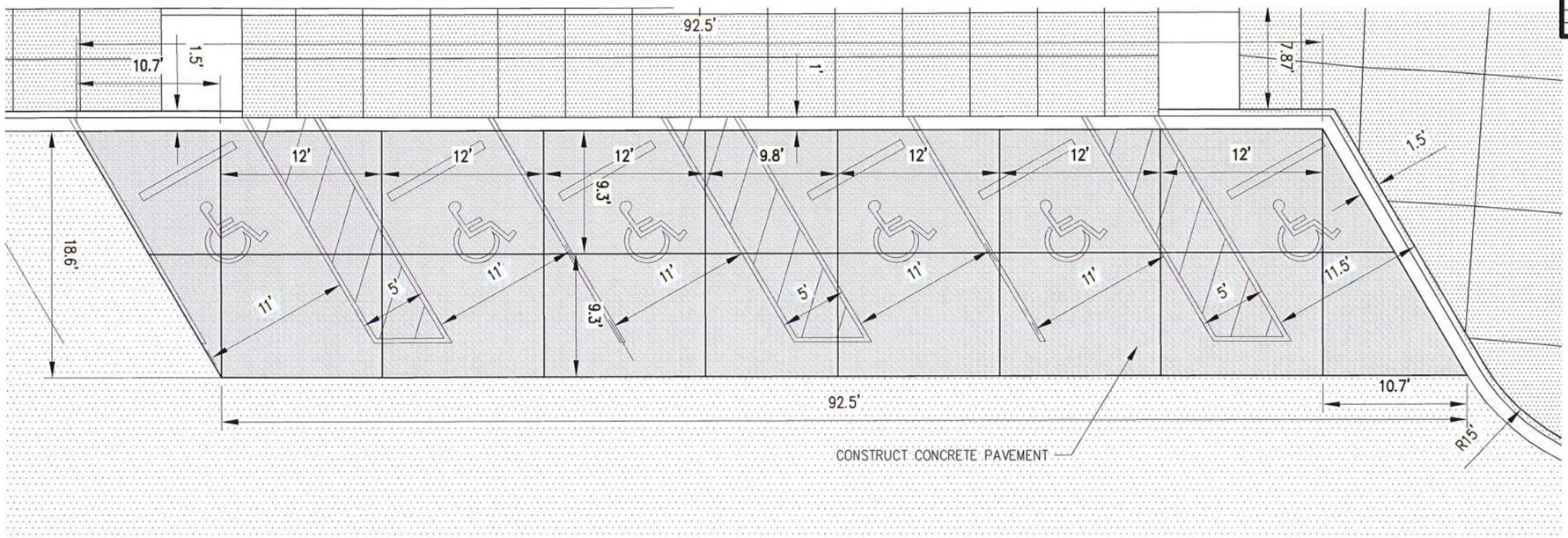
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 66 | 151 |

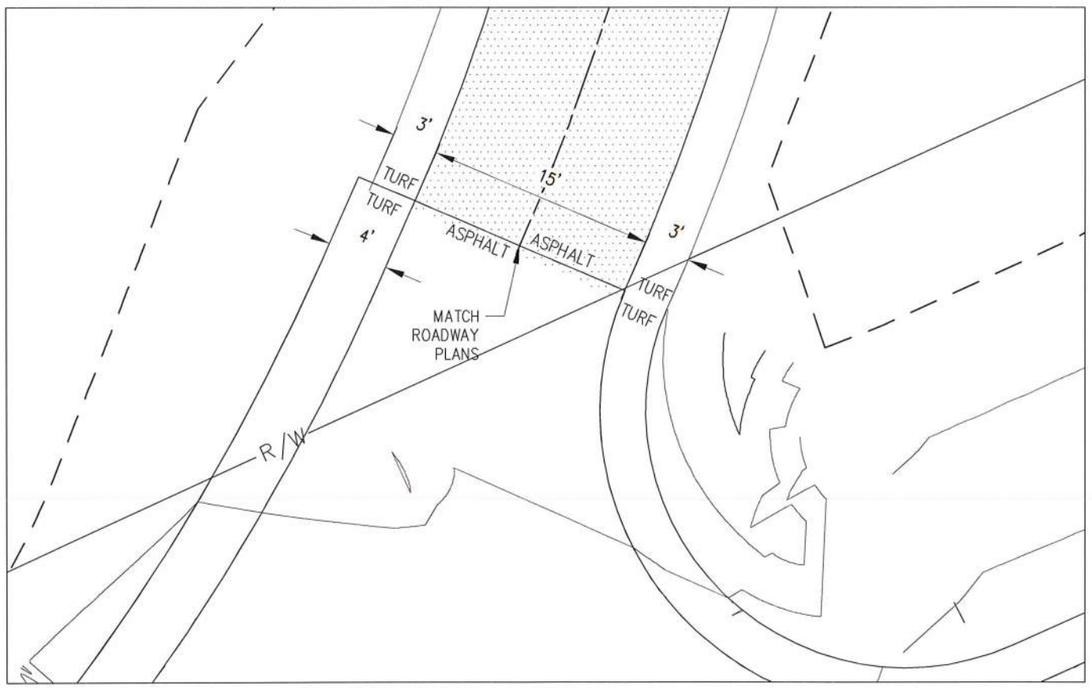
(2) SITE 3 ACCESSIBLE PARKING LAYOUT AND ROAD TAPER TRANSITIONS

PERI 152541 DRAWING NO. 409/150019

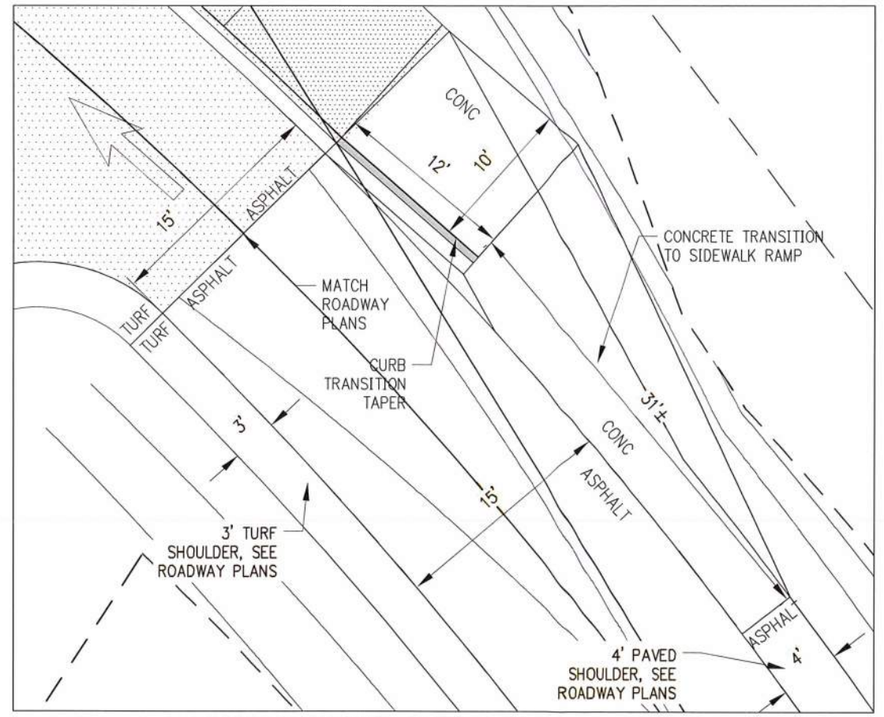
STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN




## VISITOR CENTER ACCESSIBLE PARKING
NTS




## VISITOR CENTER EXIT
NTS




## VISITOR CENTER ENTRANCE
NTS

PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 67 | 151 |

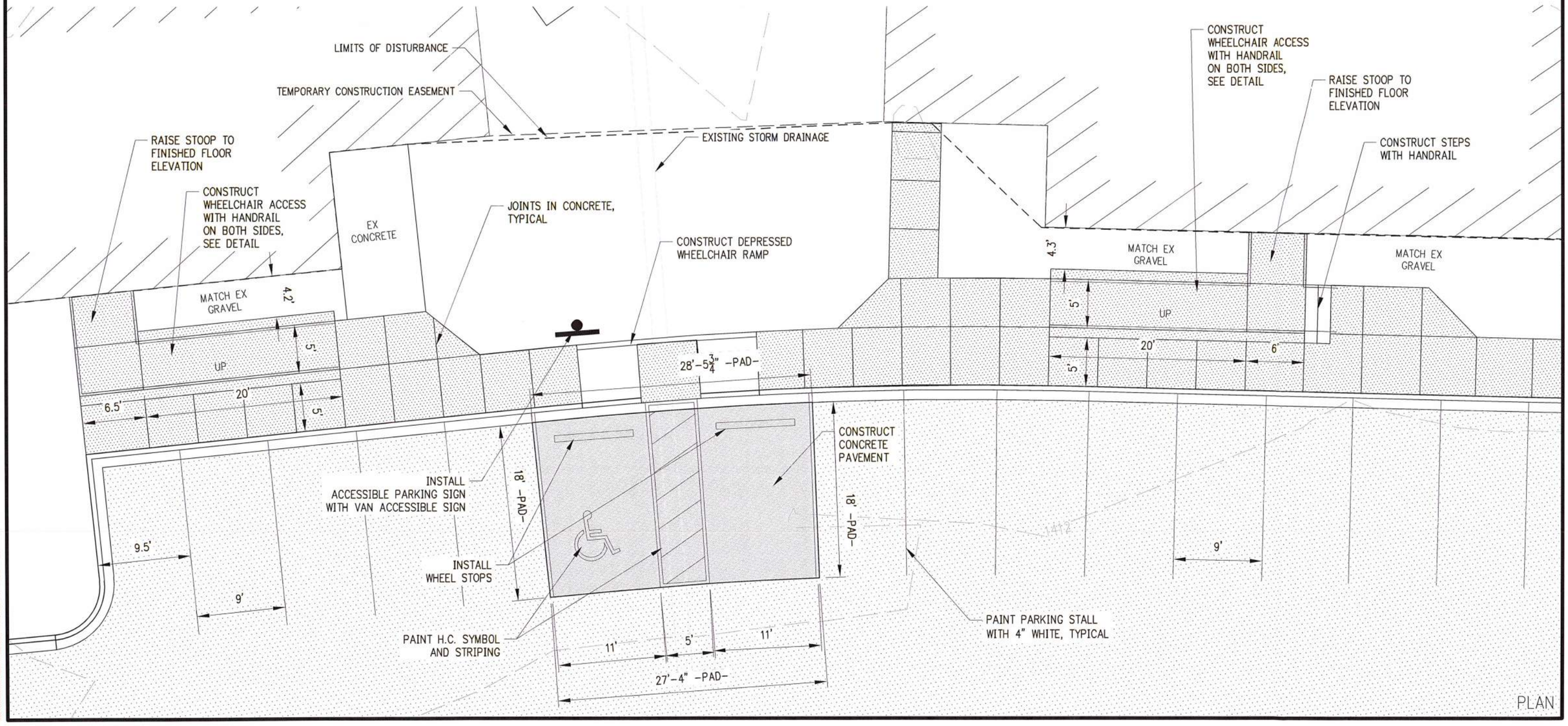
2 SITE 3 SIDEWALK AND RAMP AT HEADQUARTERS

PERI 152541 DRAWING NO. 409/150019

NOTES:
1. DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF WALL AND RAIL TO ENGINEER FOR APPROVAL.

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

GRAPHIC SCALE IN FEET
10' 0 10'




PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 68 | 151 |

2 SITE 3 SIDEWALK AND RAMP AT VISITOR CENTER

PERI 152541 DRAWING NO. 409/150019

NOTE:
DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

GRAPHIC SCALE IN FEET
20' 0 20'

INSTALL VAN ACCESSIBLE SIGN
INSTALL ACCESSIBLE PARKING SIGNS (6)
INSTALL WHEEL STOPS TYPICAL (6)
CONSTRUCT DEPRESSED WHEELCHAIR RAMP
FLAGPOLE AND SURROUNDING FLAGSTONE TO REMAIN. POUR NEW CONCRETE TO MATCH EDGE OF FLAGSTONE.
CONCRETE JOINTS, TYPICAL
LANDSCAPING
LANDSCAPING
LANDSCAPING
LANDSCAPING
7.87'
9' 11' 5' 11' 5' 11' 5' 11' 5' 11.5'
R15'
R20'
R10'
10'
10'
10'
18'
18'
R35'
R35'
R259'
9.5'
9'
LIMITS OF DISTURBANCE
TEMPORARY CONSTRUCTION EASEMENT
PAINT H.C. SYMBOLS AND STRIPING AS SHOWN PER DETAIL
PAINT PARKING STALL, 4" WHITE, TYPICAL
CONSTRUCT CONCRETE PAVEMENT
PAINT CROSSWALK AND CONSTRUCT ACCESSIBLE RAMP
PAINT 6" WHITE STRIPE AT BUS DROP OFF
1415
1416
1417

PLAN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 69 | 151 |

2 SITE 3 OVERALL GRADING PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
60' 0 60'

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

LIMITS OF CONSTRUCTION

TEMPORARY CONSTRUCTION EASEMENT

VC HEADQUARTERS

VISITOR CENTER

1-0 1-1 1-2

UGTV

GRADING

PRINTED: DLI [ESTES]/PLANS/PLAN SHEETS/_PLOTS/TMP/GRADING PLAN.DWG
LAYOUT: VISITOR CENTER_LAYER SAVED: 7/2/2020 1:39:11 PM
LAST PLOTTED BY: CLAY BEASLEY 7/2/2020 1:40:38 PM [PLOTTED BY: YALE ON HAG COPY DATE]

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 70 | 151 |

(2) SITE 3 ENLARGED GRADING PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

GRAPHIC SCALE IN FEET
30' 0 30'

N

MATCH EXISTING TOUR ROAD

MATCH EXISTING ROAD

TEMPORARY CONSTRUCTION EASEMENT

LIMITS OF CONSTRUCTION

EXISTING GATE

EXISTING WOOD FENCE

BLG

VC HEADQUARTERS

EX FO LINE

TC 1411.76
G 1411.26

HP 1411.62

TC 1412.45
G 1411.95

TC 1411.00

SW 1412.28

TC 1412.90
G 1412.40

LP 1411.77
SW 1412.00

TC 1412.93
G 1412.43

SW 1413.05
SW 1412.67

SW 1413.16

-1.7%

GRADING

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 71 | 151 |

2 SITE 3 ENLARGED GRADING PLAN – VISITOR CENTER PARKING

PERI 15254I DRAWING NO. 409/15009

1411
1412
1413
1414
1415
1416
1417
1418

EX FUEL TANKS

TEMPORARY CONSTRUCTION EASEMENT

LIMITS OF CONSTRUCTION

EX FG LINE

W

VC HEADQUARTERS

TC 1412.39
G 1411.89

-0.9%

-0.7%

-1.7%

LP TC 1411.13

SW 1413.16

TC 14
G 141

-1.3%

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

MATCH TO ROADWAY DESIGN

GRAPHIC SCALE IN FEET
30' 0 30'

N

Telephone Box

UGTV

MATCH TO ROADWAY DESIGN

GRADING

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 72 | 151 |

(2) SITE 3 ENLARGED GRADING PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
30' 0 30'

N

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

VISITOR CENTER

LIMITS OF CONSTRUCTION

TEMPORARY CONSTRUCTION EASEMENT

GRADING

EX FO LINE

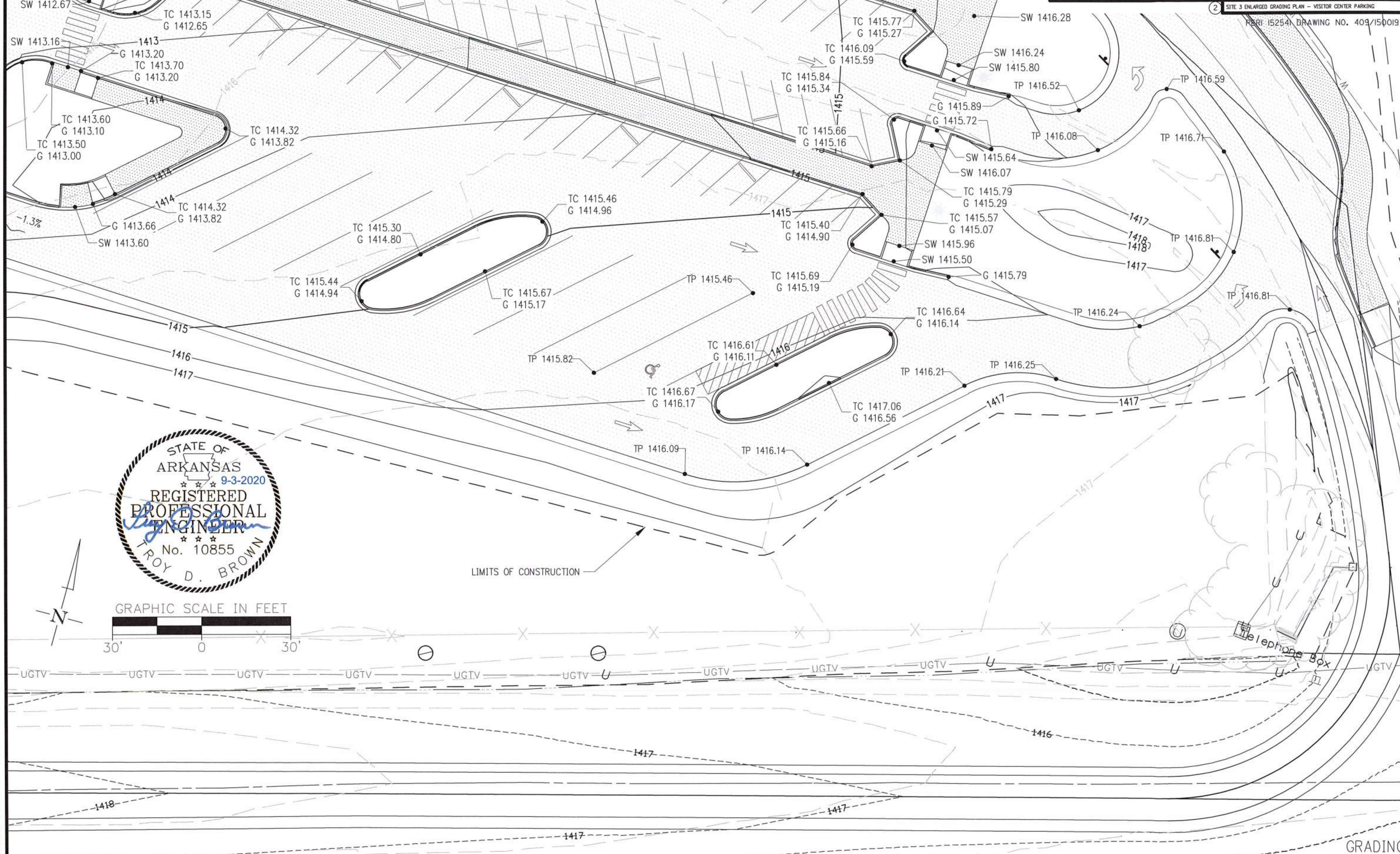
TC 1412.14
SW 1413.69
TC 1413.60
SW 1413.11
TC 1413.50
G 1413.00
SW 1413.10
TC 1414.00
G 1413.50
TC 1413.79
G 1413.29
SW 1412.87
SW 1413.26
SW 1413.00
SW 1412.87
SW 1412.40
1412.45
1411.95
SW 1412.08
SW 1412.55
SW 1412.33
SW 1412.92
1-2
2.93
2.43
SW 1412.78
SW 1413.05
SW 1412.67
TC 1413.00
G 1412.50
TC 1413.15
G 1412.65
W 1413.16
G 1413.20
TC 1414.75
G 1414.25
SW 1416.79
SW 1416.38
SW 1416.36
G 1416.30
SW 1416.53
SW 1416.28
TC 1415.77
G 1415.27
TC 1416.09
G 1415.59
SW 1416.24
-1.2%
-1.6%
-1.6%
-1.2%
1412
1413
1414
1415
1416

DRAWING: C:\JOBS\PROJECTS\ARKANSAS\...\SITE3_ENLARGEDGRADING_PLAN.DWG
LAYOUT: VC3 | LAST SAVED: 8/4/2020 8:53:53 AM
LAST PLOTTED BY: CLAY MCADAMS 2020-08-04 08:54:18 (PLOTTED BY: TYLER DAVIS ON MACHINE: CSDPLOW01)

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 73 | 151 |

(2) SITE 3 ENLARGED GRADING PLAN – VISITOR CENTER PARKING

PERI 152541 DRAWING NO. 409/150019




STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 10855 TROY D. BROWN 9-3-2020

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 74 | 151 |

(2) SITE 3 SIDEWALK AND RAMP AT HEADQUARTERS

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

GRAPHIC SCALE IN FEET
20' 0 20'

VC HEADQUARTERS
FF 1413.73

VC HEADQUARTERS
FF 1413.88

EX FO LINE
EX FO LINE
FO
W
M
SS
1411
1412
1413
1-1

SW 1413.73
SW 1413.65
SW 1413.65
SW 1412.85
SW 1412.85
SW 1412.85
SW 1412.72
SW 1413.00
SW 1413.00
SW 1413.88
SW 1413.80
SW 1413.80
SW 1412.82

TC 1412.77
G 1412.27
TC 1412.77
G 1412.27
TC 1412.44
G 1411.94
TC 1412.35
G 1411.85
G 1411.88
TC 1412.39
G 1411.89
TC 1412.40
G 1411.90
TC 1412.32
G 1411.82
G 1411.84
TC 1412.92
G 1412.42
TC 1412.90
G 1412.40
TC 1412.50
G 1412.00
G 1412.00

TP 1411.80
TP 1411.81
TP 1411.77

LP TP 1411.56
EX TG 1410.90

GRADING

DRAWING CA: W:\PROJECTS\ARDOT\ARKANSAS_JOBS\150019\GRADING PLAN FINAL\SITE3 GRADING PLAN VIEW.DWG
LAYOUT: A LOG DATE/TIME: 8/5/2020 1:09:26 PM
LAST PLOT BY: CLAY MEADOR FILE: SITE3 GRADING PLAN VIEW.DWG

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 75 | 151 |

2 SITE 3 SIDEWALK AND PLAZA AT VISITOR CENTER

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

N

GRAPHIC SCALE IN FEET
20' 0 20'

# VISITOR CENTER

G 1415.43
FG 1417.26
TC 1414.91
G 1414.41
G 1414.49
7.4%
8.0%
TC 1415.91
G 1415.41
TC 1416.07
G 1415.57
SW 1417.00
TC 1414.84
G 1414.34
TP 1414.31
TP 1414.50
TP 1414.93
TP 1415.31
SW 1416.78
TC 1415.94
G 1415.44
SW 1416.80
SW 1416.34
1414
1415
1416
0.3%
TC 1416.60
G 1416.10
TC 1415.78
G 1415.28
SW 1416.35
TC 1415.45
G 1414.95

GRADING

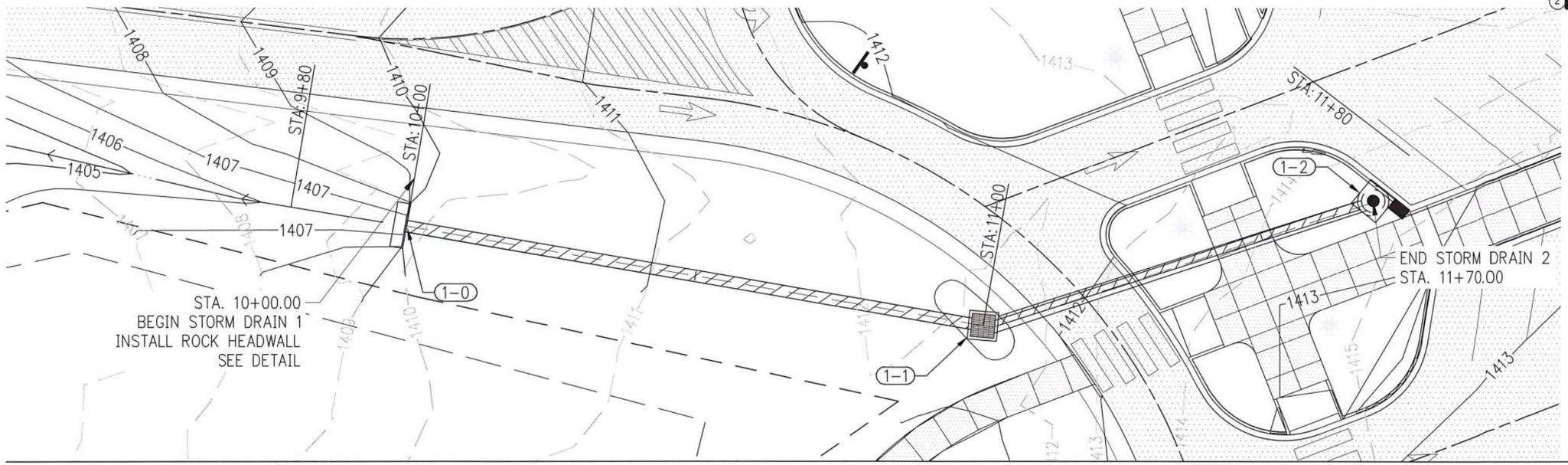
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

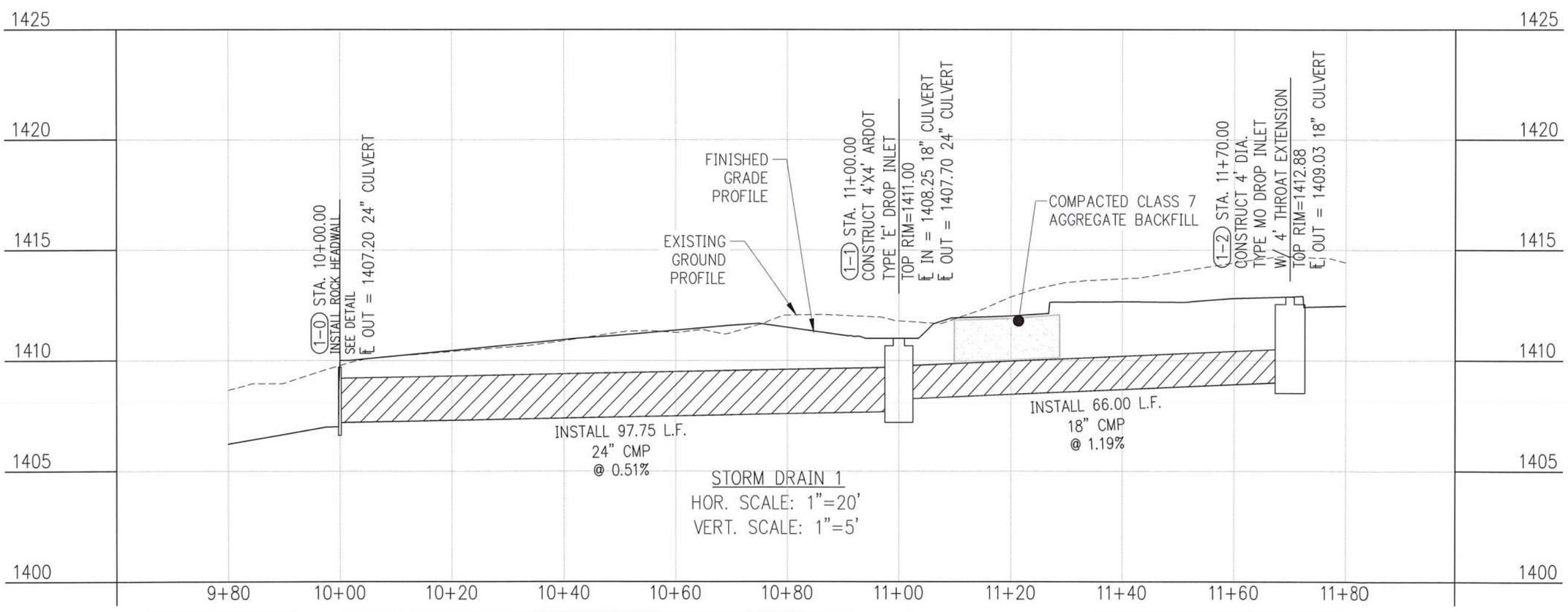
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 76 | 151 |

2 SITE 3 STORM DRAIN 1 P&P SHT.

PERI 15254I DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN



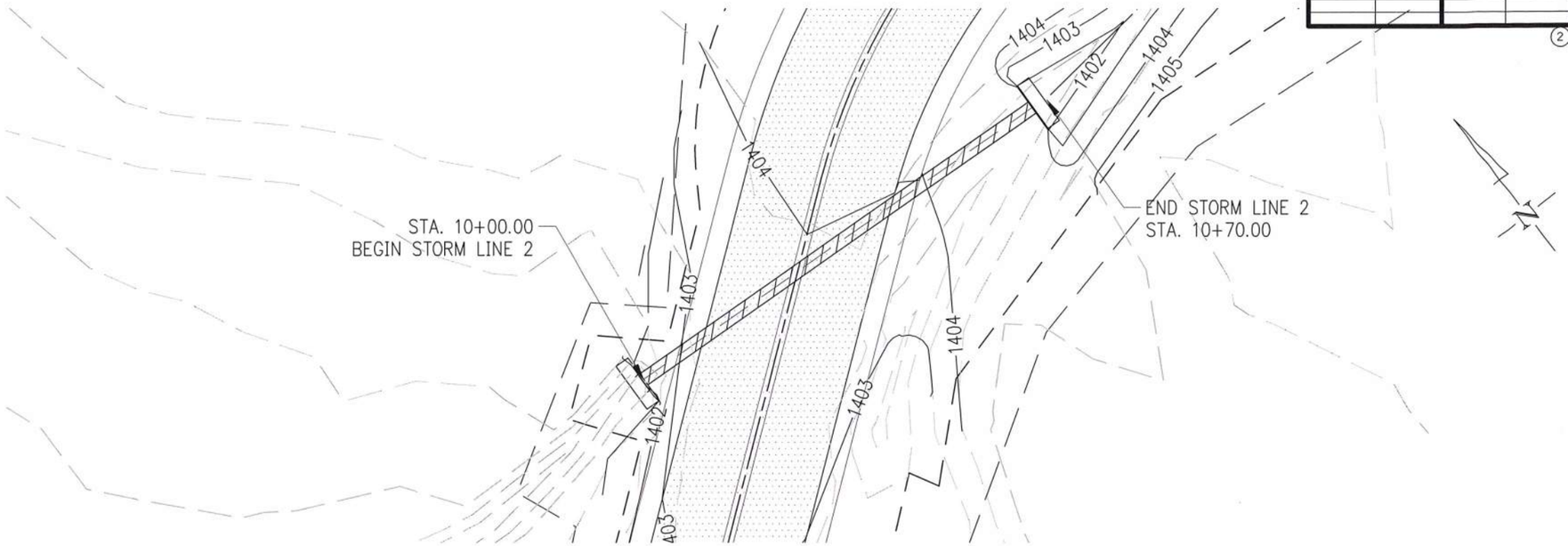



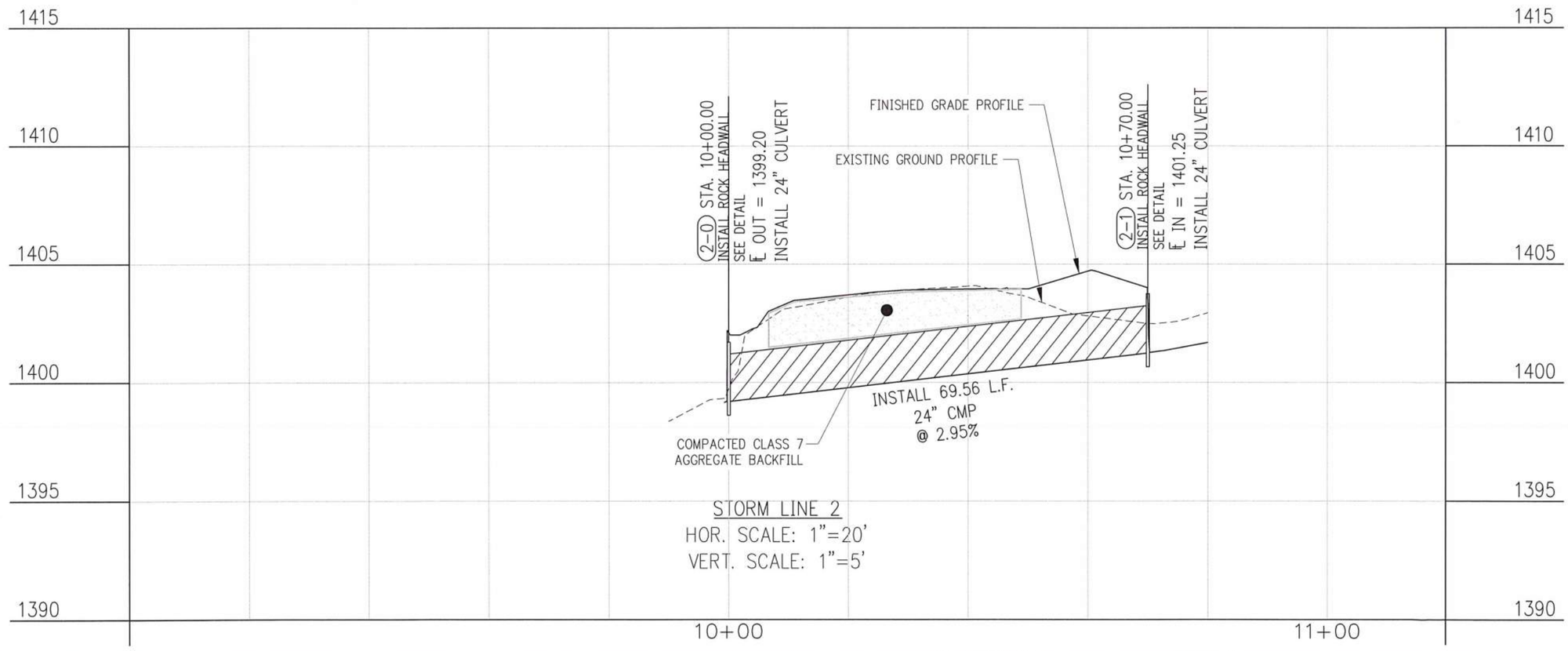

STORM DRAIN 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 77 | 151 |

(2) SITE 3 STORM DRAIN 2 P&P SHT.

PERI 15254I DRAWING NO. 409/150019




STORM LINE 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

DRAWING: C:\151019\PLANS\CONSTRUCTION\CIVIL\DWG\LITERAM PROFILES.DWG
LAYOUT: STORM LINE 2 P&P SHT. B, LAST SAVED: 7/2/2020 4:44:37 PM
LAST PLOTTED BY: CLAY BISHOP, 7/2/2020 4:47:42 PM (TUESDAY) BY: HALO (SH_HALO.CTB)

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 78 | 151 |

2 SITE 3 DEMOLITION PLAN – VISITOR CENTER PARKING

PERI 15254I DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
80' 0 80'

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

REMOVE & REPLACE
CLEAR ALL TREES WITHIN CONSTRUCTION LIMITS, UNLESS OTHERWISE NOTED AS BEING SAVED
MINIMIZE IMPACTS
REMOVE ROADWAY
REMOVE SIGNS
ROAD TO REMAIN
EXTENT OF ROAD REMOVAL
REMOVE ROADWAY
REMOVE GATE AND FENCE AS REQ'D AND STORE FOR RECONSTRUCTION.
REMOVE CULVERT
VC HEADQUARTERS
PROTECT TREES DURING DEMOLITION AND CONSTRUCTION PHASES
REMOVE ROADWAY
REMOVE CONCRETE FROM FRONT OF BOTH HOUSES
REMOVE PARKING
CLEAR ALL TREES WITHIN CONSTRUCTION LIMITS, UNLESS OTHERWISE NOTED AS BEING SAVED
REMOVE FENCE AS REQ'D AND STORE FOR RECONSTRUCTION.
REMOVE ROADWAY
CLEAR ALL TREES WITHIN CONSTRUCTION LIMITS, UNLESS OTHERWISE NOTED AS BEING SAVED
PROTECT TREES
PROTECT TREES
REMOVE STONE COLUMNS
REMOVE EXISTING STONE HEADWALLS AND CULVERT
REMOVE ROADWAY, SEE ROAD DESIGN PLANS
REMOVE SIGNS
REMOVE EXISTING INLET
REMOVE CONCRETE
REMOVE SIGNS
VISITOR CENTER
REMOVE PARKING
REMOVE SIDEWALK
REMOVE FENCE
REMOVE CONCRETE
DRAINAGE CHANNEL TO BE REROUTED OR ELIMINATED, SEE GRADING SHEETS
REMOVE SIGNS
REMOVE ROADWAY
REMOVE SIGNS
DRAINAGE CHANNEL TO BE REROUTED OR ELIMINATED, SEE GRADING SHEETS
PROTECT EXISTING ENTRANCE SIGN
TO T/POST PEA
UGTV
GATE
EX FO LINE
CONC
DATE

## DEMOLITION NOTES

1. MARKERS FOR FIBER OPTIC LINES, (FO), ARE TO BE RELOCATED IF THEIR CURRENT LOCATION CONFLICTS WITH THE PROPOSED CONSTRUCTION AND IMPROVEMENTS.
2. THE CONTRACTOR MUST NOTIFY THE PROPER UTILITY COMPANY PRIOR TO ANY DIGGING OR CONSTRUCTION SO THAT UNDERGROUND LINES ARE TO BE DONE IN ADVANCE OF CONSTRUCTION BY ARDOT
3. REMOVE AND WASTE DEBRIS PRIOR TO OPENING DETOUR ROUTE.

DEMOLITION

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 79 | 151 |

2 SITE 4 PLAN – HORSE TRAILER PARKING

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
50' 0 50'

N

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

CONSTRUCT HAND RAILING (TYPE SPECIAL) ON RETAINING WALL, SEE DETAIL

CONSTRUCT CONCRETE RETAINING WALL, SEE ARDOT STANDARD DRAWING SI-2

LEAVE 12' OPENING IN FENCE, (INSTALL POSTS PERPENDICULAR TO TRAIL)

INSTALL WELDED PIPE FENCE, TYPICAL

CONSTRUCT MOUNTING BARRICADE

MOUNTING BLOCK DROP-OFF AREA

INSTALL (6) WHEEL STOPS, 5' OFF WALL

CONSTRUCT 4" GRAVEL TRAIL

TYPICAL EXISTING TREE > 24" DIA.

FUTURE EXPANSION

PROTECT EXISTING VEGETATION AS DIRECTED BY CO ENGINEER

PROTECT EX POWER POLE DURING CONSTRUCTION

EXIST. R/W

L=37.16, R=100.00
Δ=S79° 00' 29"W

L=87.19, R=280.00
Δ=S59° 26' 31"W

2 – 14' WELDED PIPE GATES

MATCH ROADWAY PLANS

CAR BAY MARKING DOTS, SPACED AS SHOWN ON PLAN, SEE DETAIL

L=123.60, R=320.00
Δ=S64° 22' 47"W

S53° 18' 52"W
113.26

L=74.24, R=60.00
Δ=S50° 51' 50"W

TEMPORARY CONSTRUCTION EASEMENT

2' TURF SHOULDER

S75° 26' 42"W
90.96

LIMITS OF DISTURBANCE

VEGETATIVE SCREEN

GRAVEL PARKING

N15° 24' 54"E
108.02'

N15° 24' 54"E
117.76'

2' TURF SHOULDER

ARDOT CURB, TYPE 'B', TYPICAL SEE DETAIL

EXIST. R/W OLD HWY 62

L=237.66, R=68.00
Δ=S24° 40' 40"E

S55° 11' 59"W
94.93'

S65° 55' 07"W
118.05'

L=52.89, R=60.00
Δ=N40° 40' 00"E

L=56.12, R=300.00
Δ=S60° 33' 33"W

ARDOT CURB, TYPE 'B', TYPICAL SEE DETAIL

EXIST. R/W OLD HWY 62

R/W HWY 62

TV CABLE MARKER

CONC HEADWALL

36"X, 24" CMP

℄ HWY 62

PLAN

DRAWING: C:\151\151_PH4\ROD\PHASE4\ARCHITECTURE\CIVIL\CIVIL SHEET PLAN.DWG
LAYOUT: HORSE TRAILER - LAST SAVED: CLEVER, 7/3/2020 4:53:34 PM
LAST PLOTTED BY: CLAY HEMOP, 7/3/2020 4:54:19 PM [TO FIT] BY: HALO ON HAND COPY ONLY!

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
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| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 80 | 151 |

2 SITE 4 GRADING PLAN – HORSE TRAILER PARKING

PERI 152541 DRAWING NO. 409/150019

GRAPHIC SCALE IN FEET
50' 0 50'

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

TEMPORARY CONSTRUCTION EASEMENT
LIMITS OF CONSTRUCTION
PROTECT TYPICAL EXISTING TREE > 24" DIA.
FG 1382.40
BW 1382.50
TW 1386.00
MATCH ROADWAY PLANS
30'
FO LINE MARKER
OHE
FO
-3.2%
-3.4%
-2.4%
-2.2%
-2.6%
-3.6%
-2.0%
???
EX HWY 62 RIGHT OF WAY
TV CABLE MARKER
TRAIL
CONC HEADWALL
38LF, 24" CMP
℄ HWY 62
GRADING

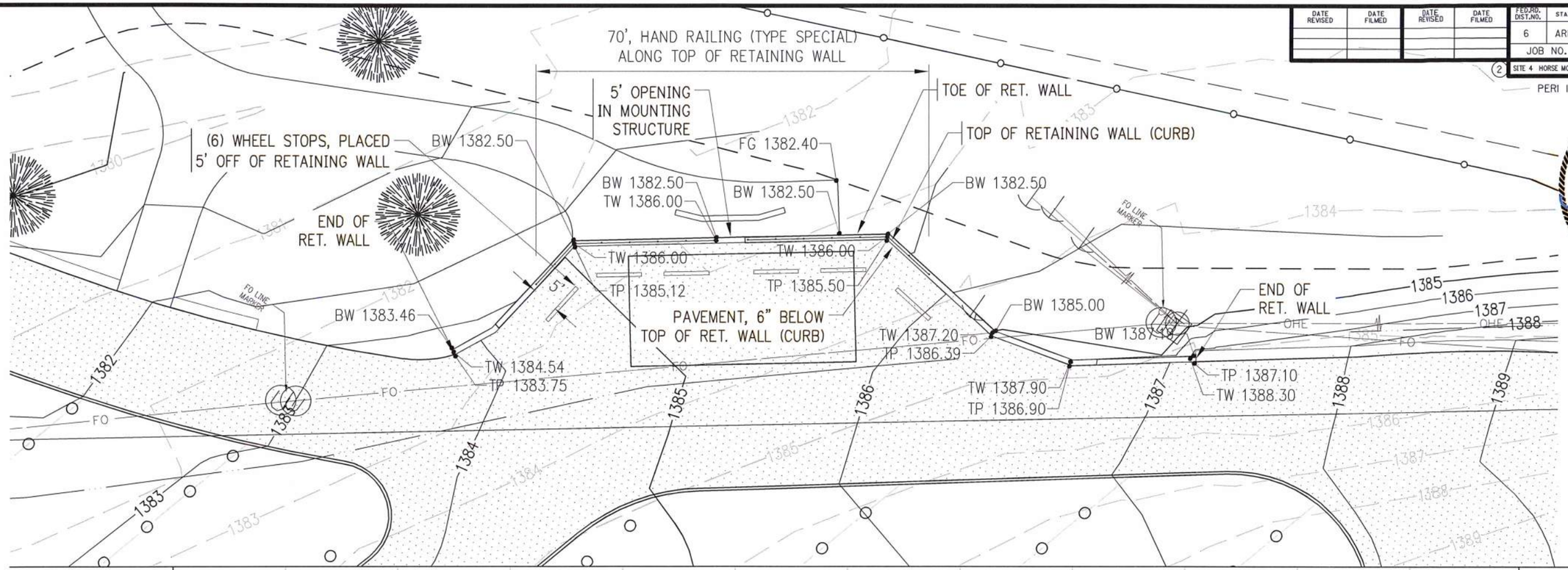
DRAWING: G:\MICRO_PLAN\PROJ\ARKANSAS\TRAILS\TRAILS\GRADING PLAN.DWG
LAYOUT: HORSE TRAILER 1-1-01.LAYOUT; 8/3/2020 10:21:11 PM
LAST PLOTTED BY: CLAY BAGLEY 8/3/2020 3:54:24 PM; PC CTB: ...; VALID CH HARD COPY; CH=1

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 81 | 151 |

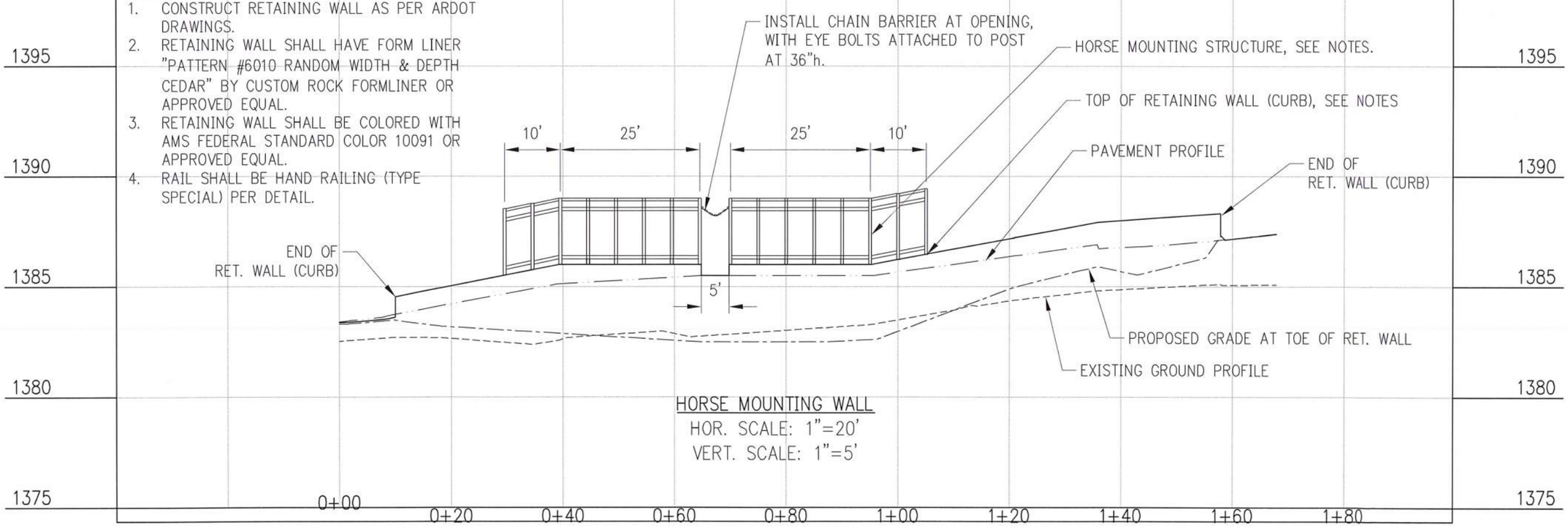
(2) SITE 4 HORSE MOUNTING WALL AND BARRIER P&P SHT.

PERI 152541 DRAWING NO. 409/150019

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN




NOTES:
1. CONSTRUCT RETAINING WALL AS PER ARDOT DRAWINGS.
2. RETAINING WALL SHALL HAVE FORM LINER "PATTERN #6010 RANDOM WIDTH & DEPTH CEDAR" BY CUSTOM ROCK FORMLINER OR APPROVED EQUAL.
3. RETAINING WALL SHALL BE COLORED WITH AMS FEDERAL STANDARD COLOR 10091 OR APPROVED EQUAL.
4. RAIL SHALL BE HAND RAILING (TYPE SPECIAL) PER DETAIL.




HORSE MOUNTING WALL
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 82 | 151 |

2 SITE 4 DEMOLITION PLAN – HORSE TRAILER PARKING

PERI 152541 DRAWING NO. 409/150019

## DEMOLITION NOTES

1. MARKERS FOR FIBER OPTIC LINES, (FO), ARE TO BE RELOCATED IF THEIR CURRENT LOCATION CONFLICTS WITH THE PROPOSED CONSTRUCTION AND IMPROVEMENTS.
2. THE CONTRACTOR MUST NOTIFY THE PROPER UTILITY COMPANY PRIOR TO ANY DIGGING OR CONSTRUCTION SO THAT UNDERGROUND LINES ARE ACCURATELY LOCATED AND MARKED.

GRAPHIC SCALE IN FEET
50' 0 50'

STATE OF ARKANSAS
9-3-2020
REGISTERED PROFESSIONAL ENGINEER
No. 10855
ROY D. BROWN

TREE TO REMAIN
TREE TO REMAIN
TYPICAL EXISTING TREE > 24" DIA. TO BE PROTECTED
TREE TO REMAIN
UTILITIES TO BE PROTECTED
REMOVE SIGN
FO LINE MARKER
FO LINE MARKER
FO LINE MARKER
DRAINAGE CHANNEL TO BE REROUTED OR ELIMINATED, SEE GRADING SHEETS
ALL TREES TO BE CLEARED SHALL BE MARKED AND APPROVED FOR REMOVAL BY ENGINEER AND NPS
REMOVE 24" RCP PIPE AND CONC HEADWALL
REMOVE SIGN
REMOVE POLE, GUY WIRE AND OHE LINE
HEADWALL TO REMAIN
CONC HEADWALL
38LF, 24" CMP
N. OLD WIRE ROAD
EX HWY 62 RIGHT OF WAY
REMOVE EXIST. STORM PIPE
ROAD TO BE REMOVED, SEE ROAD DESIGN PLANS
CLEAR ALL TREES WITHIN CONSTRUCTION LIMITS, UNLESS OTHERWISE NOTED AS BEING SAVED
DRAINAGE CHANNEL TO BE REROUTED OR ELIMINATED, SEE GRADING SHEETS
TV CABLE MARKER
TRAIL
℄ HWY 62

DEMOLITION

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 83 | 151 |

2 DEMO PLAN

PERI 152541 DRAWING NO. 409/150019

BASELINE ABANDONDED
ORIGINAL HWY. 62
PI = 79+27.95
Δ = 16°51'39" RT.
D = 01°50'16"
T = 462.08'
L = 917.48'
PC = 74+65.87
PT = 83+83.35

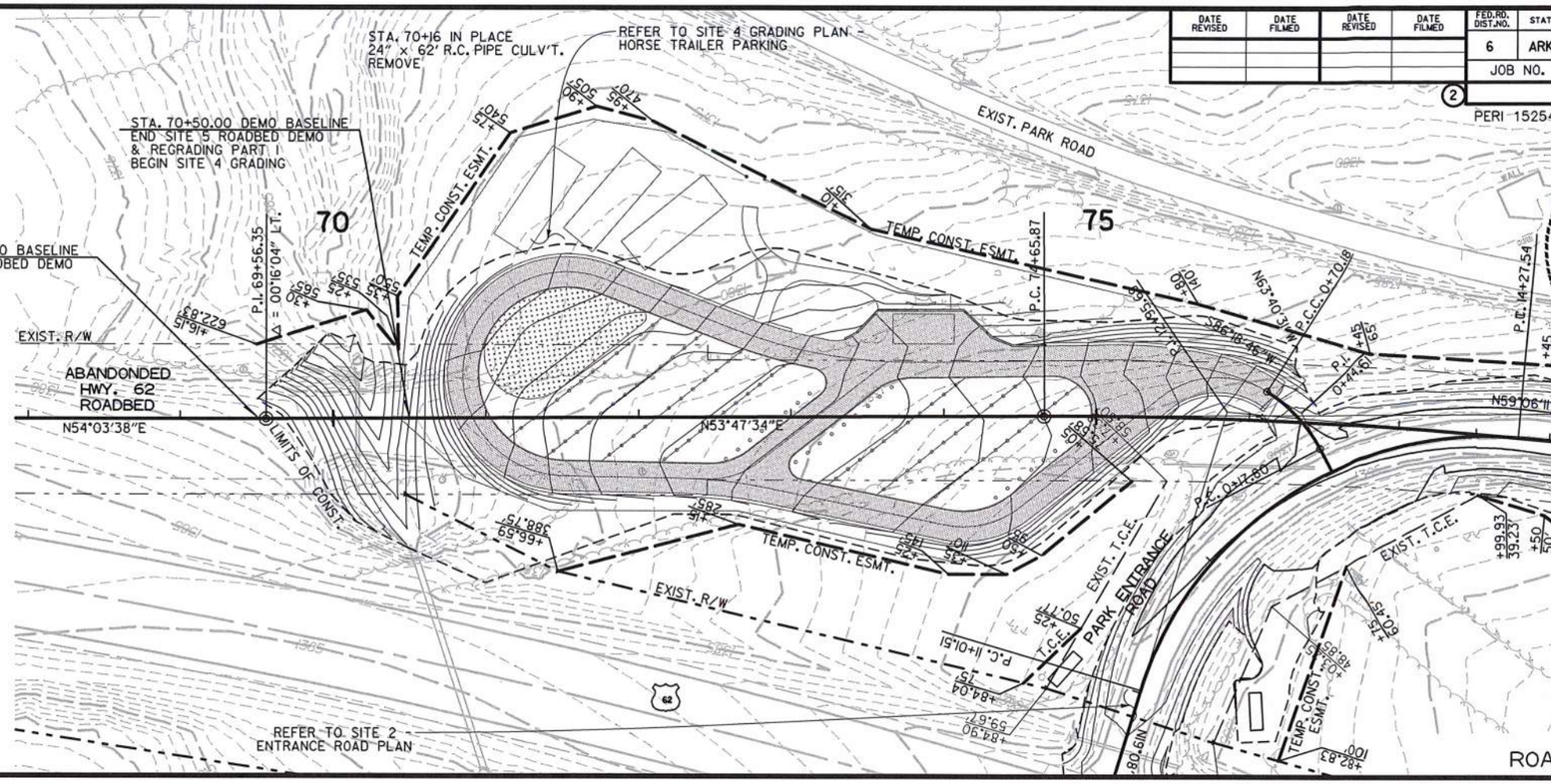
STA. 69+51.50 DEMO BASELINE
BEGIN SITE 5 ROADBED DEMO
& REGRADING

STA. 70+50.00 DEMO BASELINE
END SITE 5 ROADBED DEMO
& REGRADING PART I
BEGIN SITE 4 GRADING

STA. 70+16 IN PLACE
24" x 62' R.C. PIPE CULV'T.
REMOVE

REFER TO SITE 4 GRADING PLAN -
HORSE TRAILER PARKING

REFER TO SITE 2 -
ENTRANCE ROAD PLAN




LEGEND

PARKING/WALK AREA - SEE SITE PLAN

C.L. CONST. PARK ENTRANCE RD.
PI = 12+95.69
Δ = 78°14'56" RT.
D = 24°00'00"
T = 194.18'
L = 326.04'
PC = 11+01.51
POC = 14+27.54
e = 0.040'/'
Ls = 116'

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
09-09-2020

SITE 5
ROADBED DEMO PLAN

USER: fs53
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\p&p\r090384 DEM001.dgn
PLOTTED: 9/8/2020 09:58 SCALE: h100

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 84 | 151 |

(2) DEMO PLAN

PERI 152541 DRAWING NO. 409/150019

105 110 115

RED BUD

TEMP. CONST. ESMT.

T.C.E.

+00 35

+00 60

+50 50

EXIST. R/W

LIMITS OF CONST.

ABANDONDED HWY. 62 ROADBED

N70°33'15"E

TEMP. CONST. ESMT.

LIMITS OF CONST.

STA. 101+12.60 DEMO BASELINE
BEGIN SITE 5 ROADBED DEMO
& REGRADING PART 2

LIMITS OF CONST.

TEMP. CONST. ESMT.

EXIST. R/W

TEMP. CONST. ESMT.

+30 60

+25 75

+60 60

+02.24 50

+02.24 60

STA. 110+52 IN PLACE
24" x 46' R.C. PIPE CULV'T.
REMOVE

DENOTES:
OBLITERATION OF EXIST. PAVEMENT

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
09-09-2020
HUBERT BURGE

SITE 5
ROADBED DEMO PLAN

120 125 130

+51.67 50

+49.01 50

EXIST. R/W

ABANDONDED HWY. 62 ROADBED

N70°33'15"E

TEMP. CONST. ESMT.

LIMITS OF CONST.

EXIST. R/W

+00 70

+51.67 50

+49.01 50

EXIST. R/W

TEMP. CONST. ESMT.

LIMITS OF CONST.

EXIST. R/W

TEMP. CONST. ESMT.

+90 120

+105 50

+50 235

TEMP. CONST. ESMT.

LIMITS OF CONST.

LIMITS OF CONST.

TEMP. CONST. ESMT.

+30 100

+55 90

+70 55

+70 265

+35 300

+65 300

STA. 119+82 IN PLACE
5' x 5' x 59' R.C. BOX CULV'T.
REMOVE

DENOTES:
OBLITERATION OF EXIST. PAVEMENT

STA. 127+50 IN PLACE
24" x 42' R.C. PIPE CULV'T.
REMOVE

STA. 127+32 IN PLACE
APPROACH RT.
REMOVE
EXC. = 1 CU.YDS.
EMB. = 23 CU.YDS.

EXIST. R/W

SITE 5
ROADBED DEMO PLAN

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\p&p\r090384 DEM001.dgn
PLOTTED: 9/8/2020 10:49
SCALE: 1:100

G:\18101900_PeaRidge\TRANSP\dgn\p&p\r090384 DEM001.dgn 9/8/2020 10:49

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 85 | 151 |

(2) DEMO PLAN

PERI 152541 DRAWING NO. 409/150019

135 140 145

N

TEMP. CONST. ESMT. EXIST. R/W LIMITS OF CONST. ABANDONDED HWY. 62 ROADBED N70°33'15"E 1480 EXIST. R/W LIMITS OF CONST. TEMP. CONST. ESMT.

EXIST. R/W TEMP. CONST. ESMT. S88°40'59"E

P.I. 143+54.81

BASELINE ABANDONDED
ORIGINAL HWY. 62
PI = 143+54.81
Δ = 20°45'46" RT.
D = 03°00'00"
T = 349.88'
L = 692.09'
PC = 140+04.93
PT = 146+97.02

DENOTES:
OBLITERATION OF EXIST. PAVEMENT

EXIST. R/W EXIST. CONST. ESMT. OLD LIBERTY ROAD TEMP. CONST. ESMT. CANOPY

SITE 5
ROADBED DEMO PLAN

BASELINE ABANDONDED
ORIGINAL HWY. 62
PI = 143+54.81
Δ = 20°45'46" RT.
D = 03°00'00"
T = 349.88'
L = 692.09'
PC = 140+04.93
PT = 146+97.02

STA. 149+26 IN PLACE
60" x 54' C.M. PIPE CULV'T.
REMOVE

145 150 155

N

DENOTES:
OBLITERATION OF EXIST. PAVEMENT

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9620
HUBERT BURNS
9/9/2020

TEMP. CONST. ESMT. EXIST. R/W P.T. 146+97.02 LIMITS OF CONST. EXIST. R/W ABANDONDED HWY. 62 ROADBED S88°40'59"E TEMP. CONST. ESMT. TEMP. CONST. ESMT.

STA. 156+46.94 DEMO BASELINE
END SITE 5 ROADBED DEMO

P.O.E. 158+00.00 EXIST. R/W

EXIST. R/W TEMP. CONST. ESMT. CANOPY T.O.E. LIMITS OF CONST. TEMP. CONST. ESMT.

EXIST. R/W RELOC. U.S. HWY. 62

SITE 5
ROADBED DEMO PLAN

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\p&p\r090384 DEM001.dgn
PLOTTED: 9/8/2020 10:49
SCALE: 1:100

G:\18101900_PeaRidge\TRANSP\dgn\p&p\r090384 DEM001.dgn 9/8/2020 10:49

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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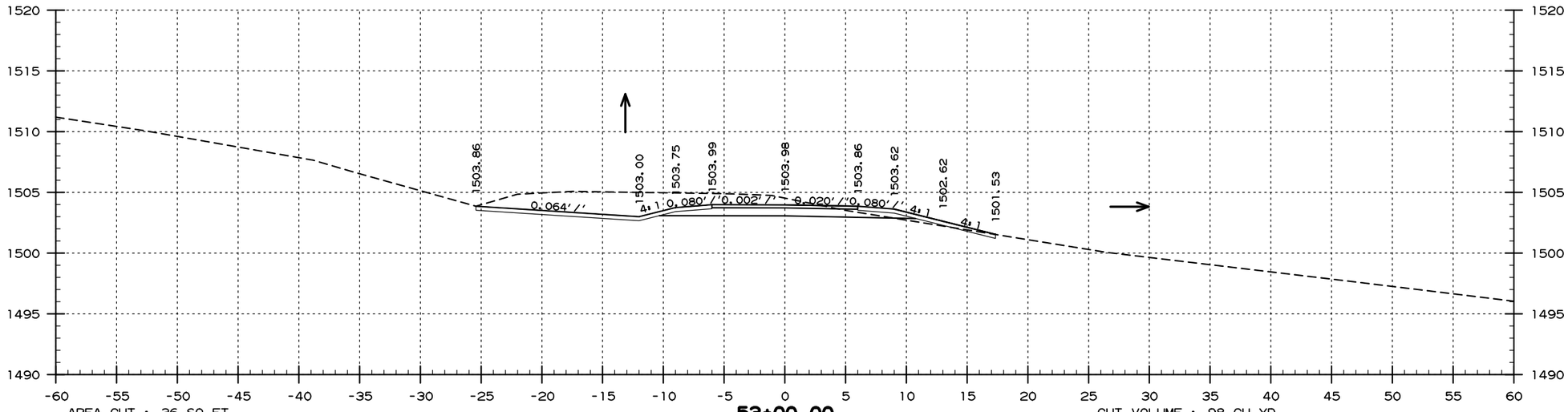
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 86 | 151 |

(2) CROSS SECTIONS

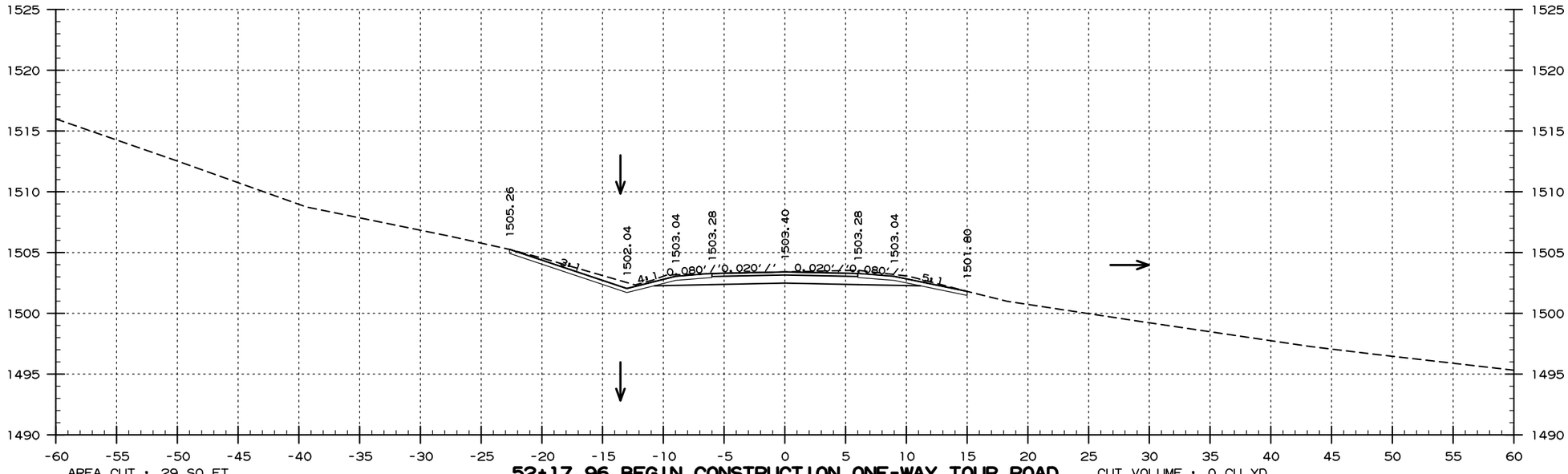
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 36 SQ.FT.
AREA FILL : 2 SQ.FT.

**53+00.00**

CUT VOLUME : 98 CU.YD.
FILL VOLUME : 3 CU.YD.




AREA CUT : 29 SQ.FT.
AREA FILL : 0 SQ.FT.

**52+17.96 BEGIN CONSTRUCTION ONE-WAY TOUR ROAD**

CUT VOLUME : 0 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 52+18 TO STA. 53+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: NIO

G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58

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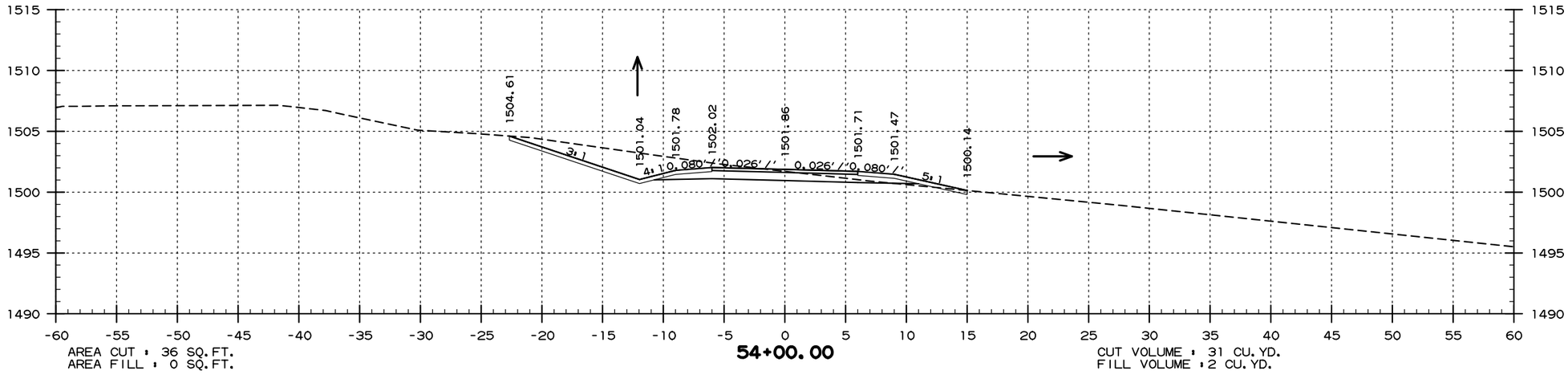
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 87 | 151 |

(2) CROSS SECTIONS

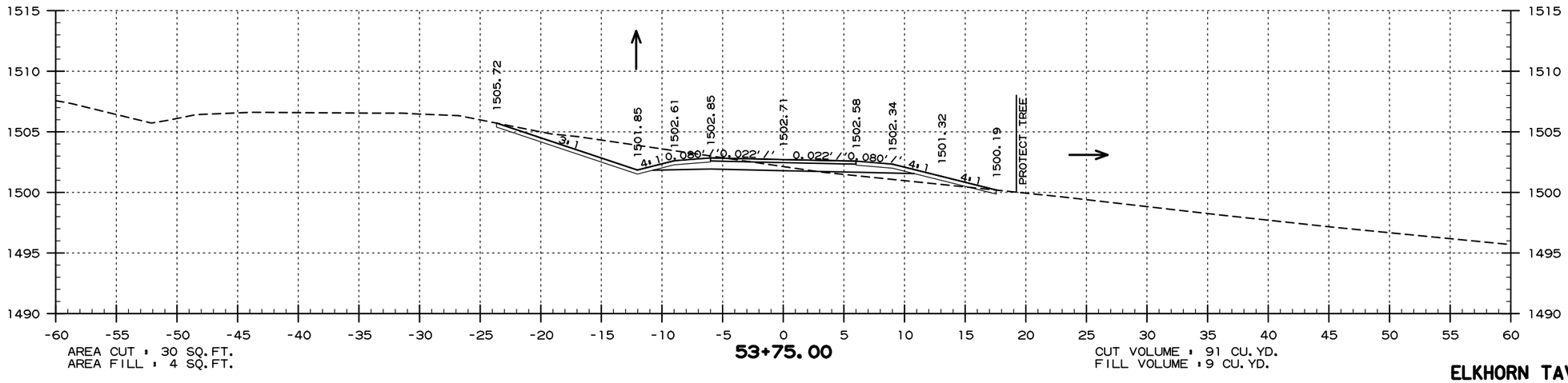
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 36 SQ.FT.
AREA FILL : 0 SQ.FT.

**54+00.00**

CUT VOLUME : 31 CU.YD.
FILL VOLUME : 2 CU.YD.




AREA CUT : 30 SQ.FT.
AREA FILL : 4 SQ.FT.

**53+75.00**

CUT VOLUME : 91 CU.YD.
FILL VOLUME : 9 CU.YD.

**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 53+75 TO STA. 54+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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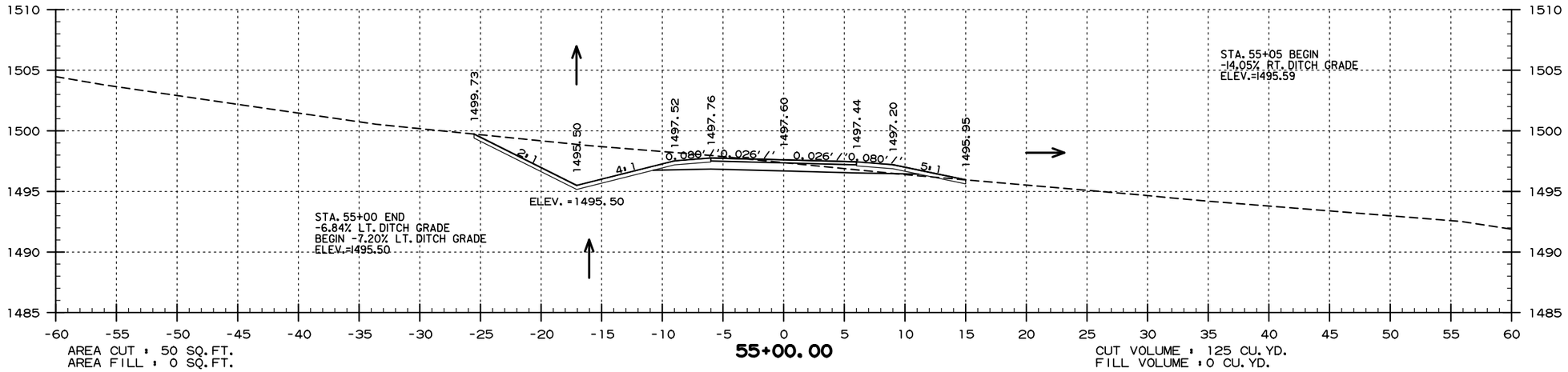
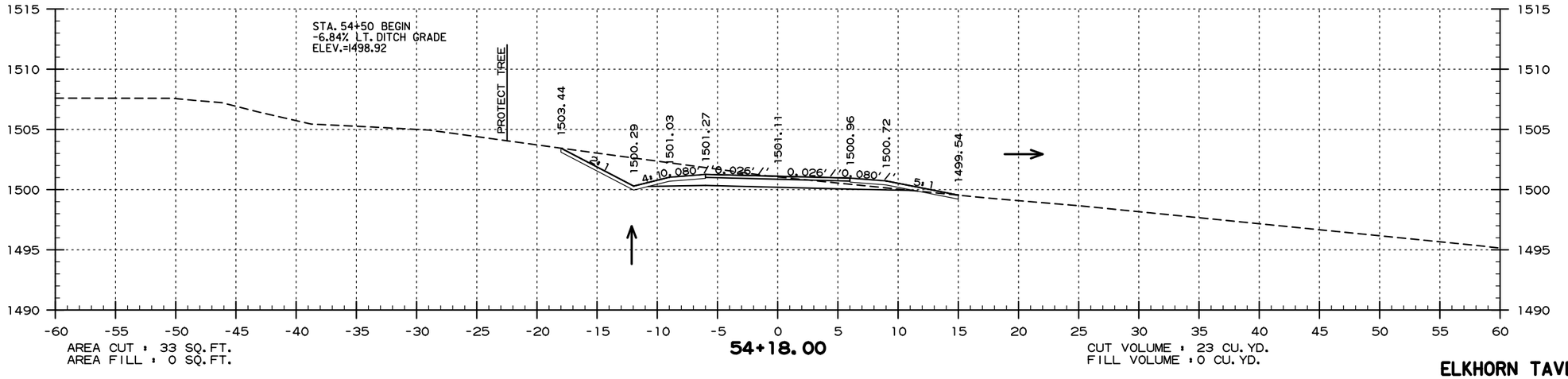
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 88 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 54+18 TO STA. 55+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1=10

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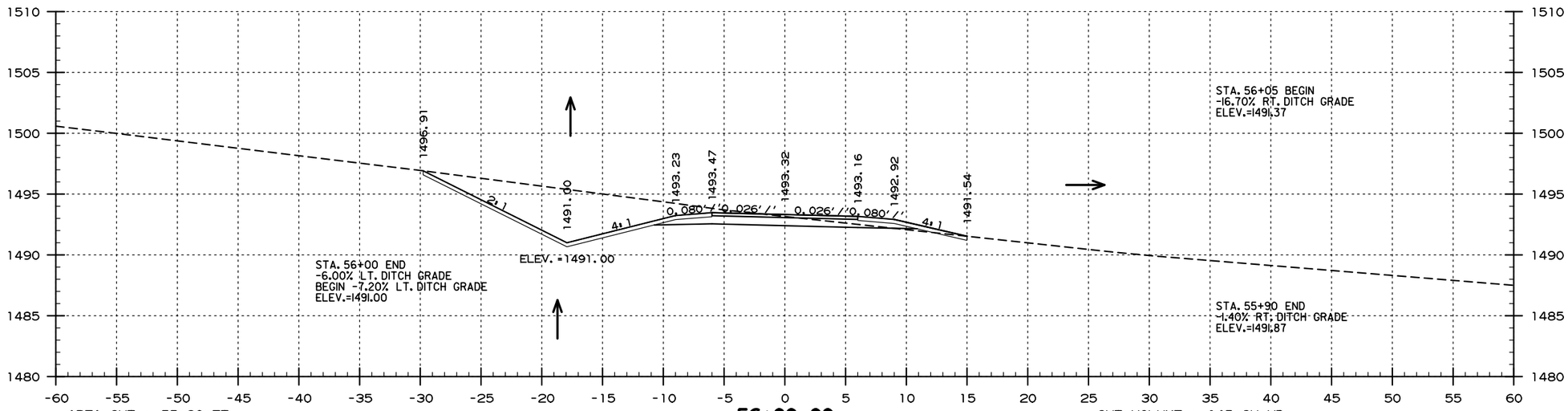
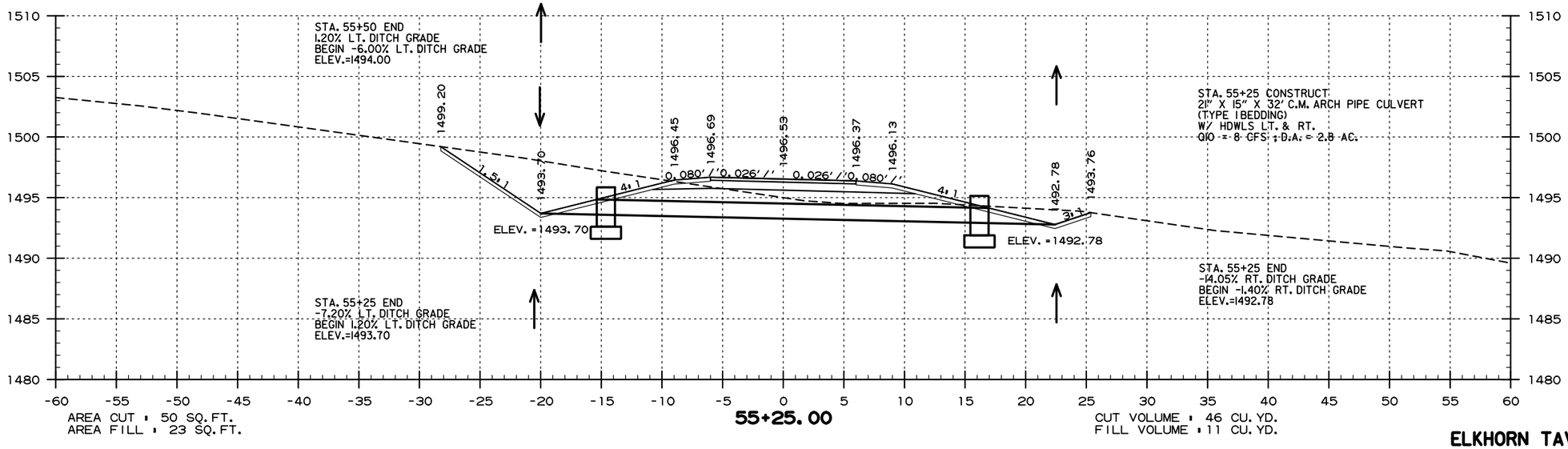
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 89 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 55+25 TO STA. 56+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn SCALE: 1:10
PLOTTED: 9/8/2020 09:58

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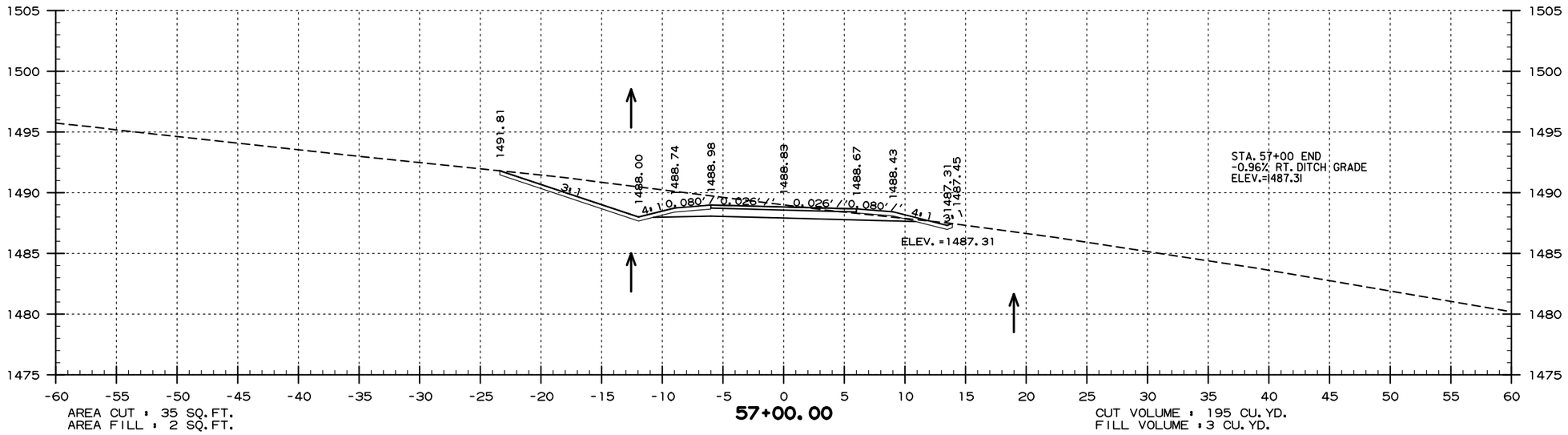
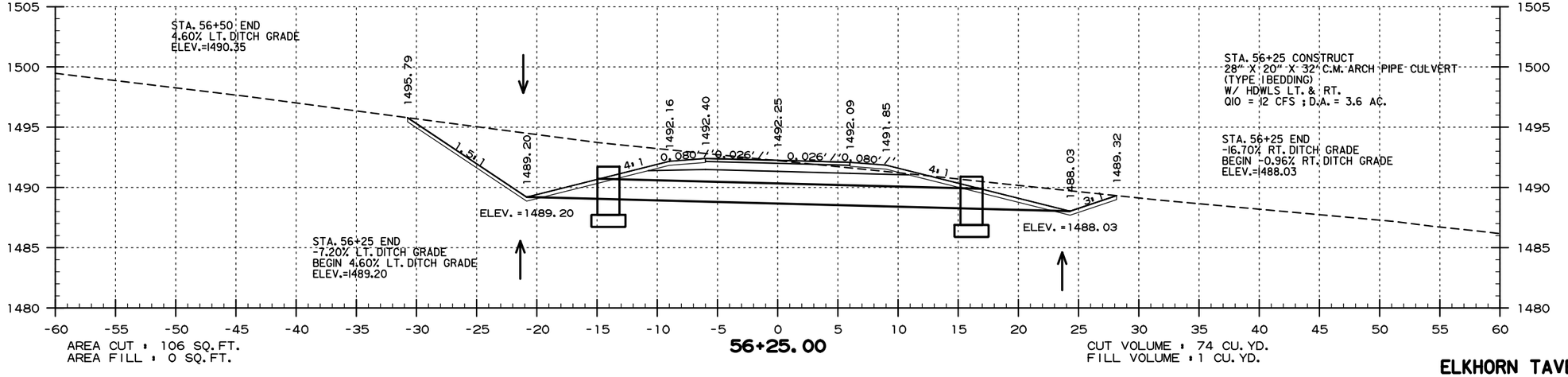
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 90 | 151 |
| (2) | CROSS SECTIONS | | | |

PERI 152541 DRAWING NO. 409/150019




USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
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**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 56+25 TO STA. 57+00**

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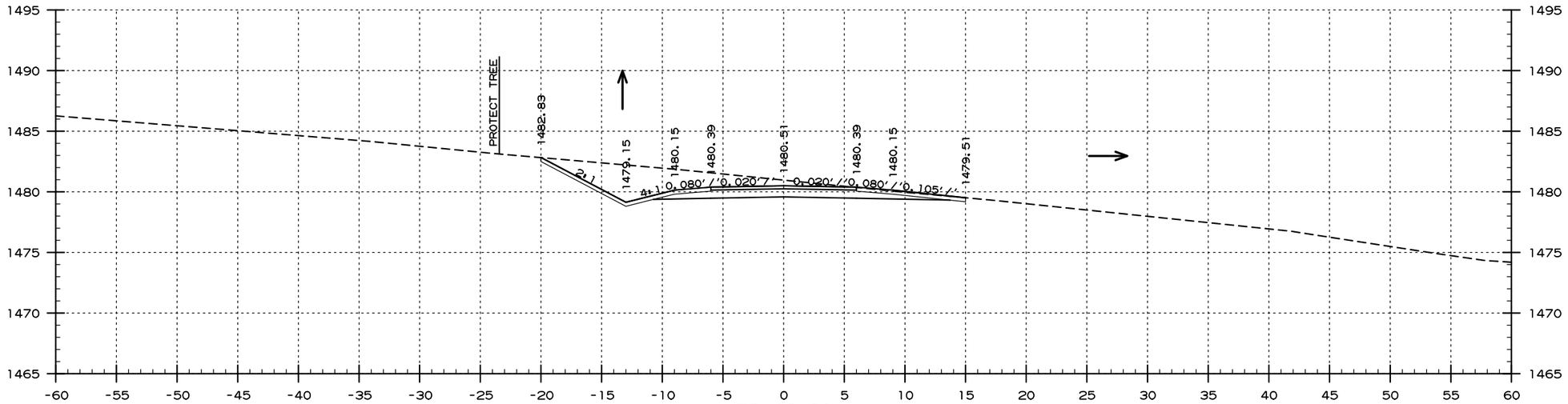
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 91 | 151 |
| (2) | CROSS SECTIONS | | | |

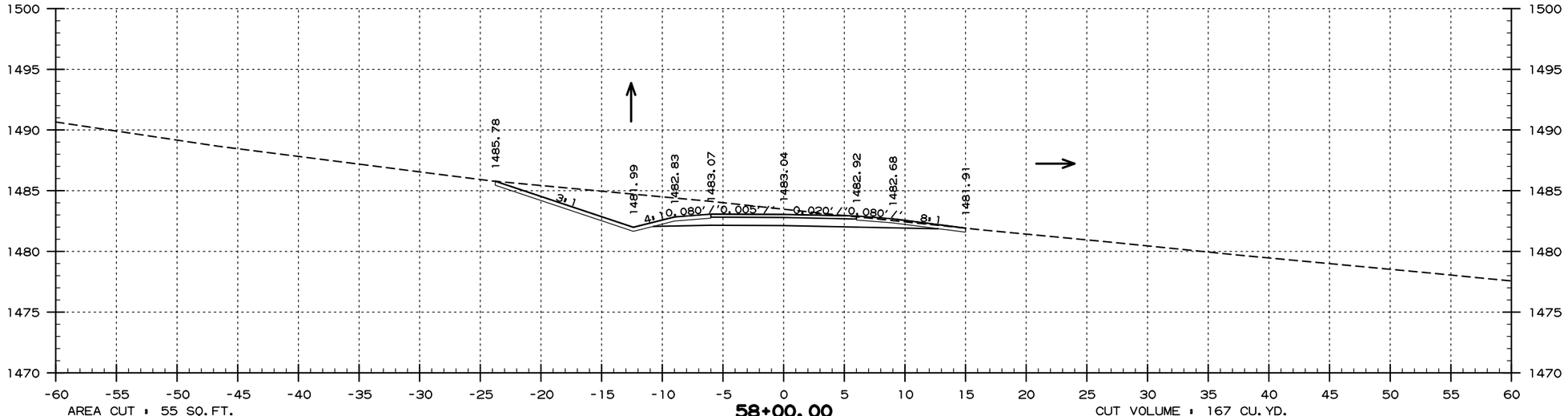
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 53 SQ.FT.
AREA FILL : 0 SQ.FT.

**58+46.00**

CUT VOLUME : 93 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 55 SQ.FT.
AREA FILL : 0 SQ.FT.

**58+00.00**

CUT VOLUME : 167 CU.YD.
FILL VOLUME : 4 CU.YD.

**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 58+00 TO STA. 58+46**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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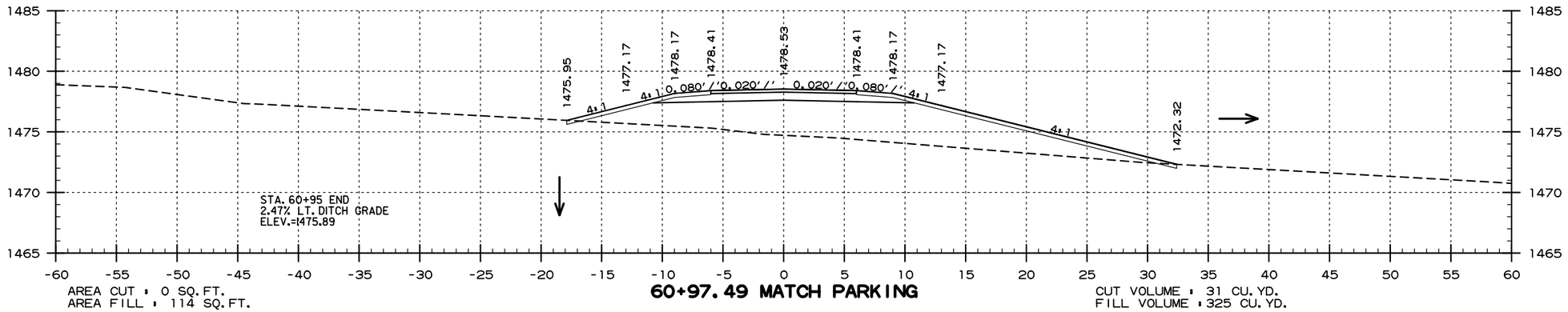
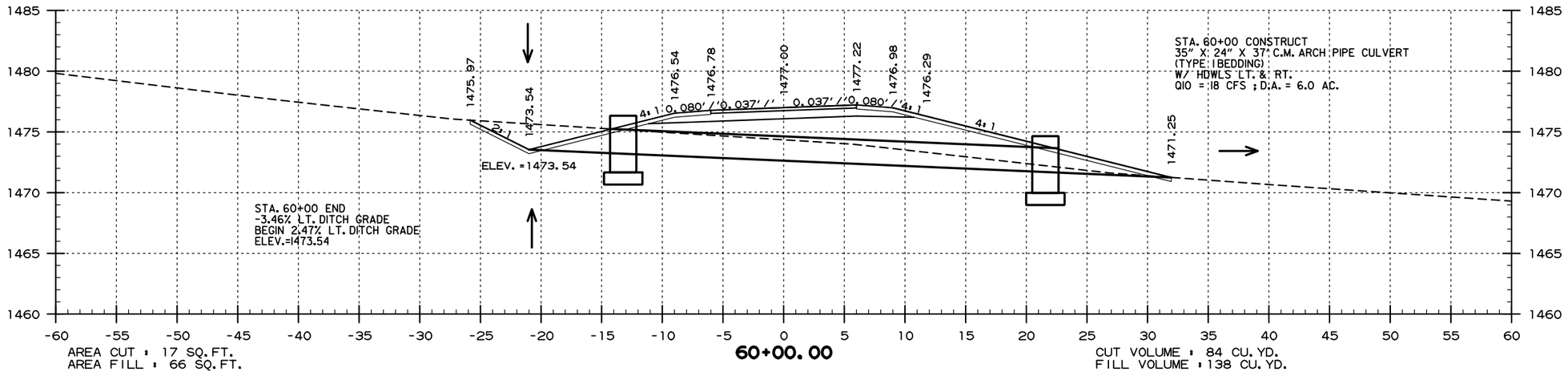
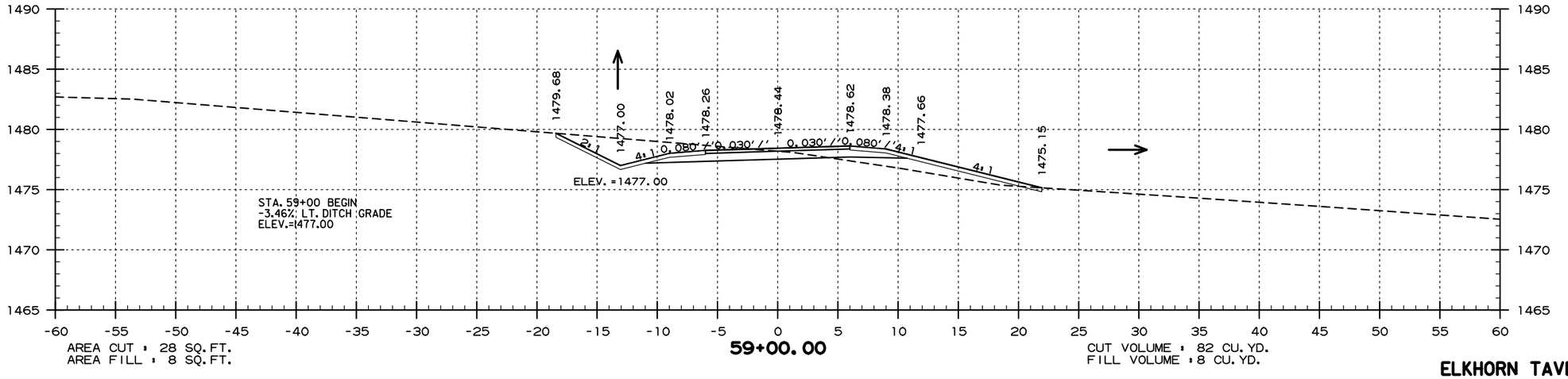
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 92 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




**SITE I**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 59+00 TO STA. 60+97**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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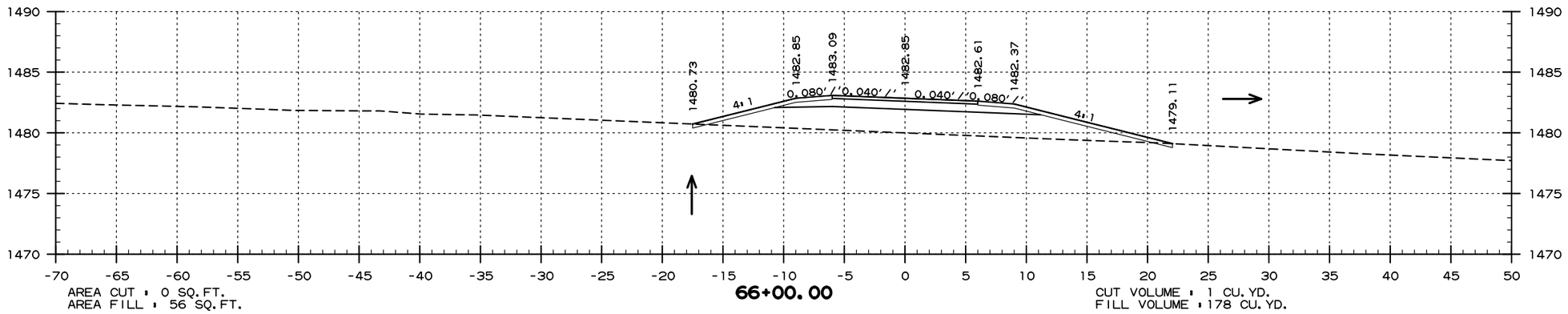
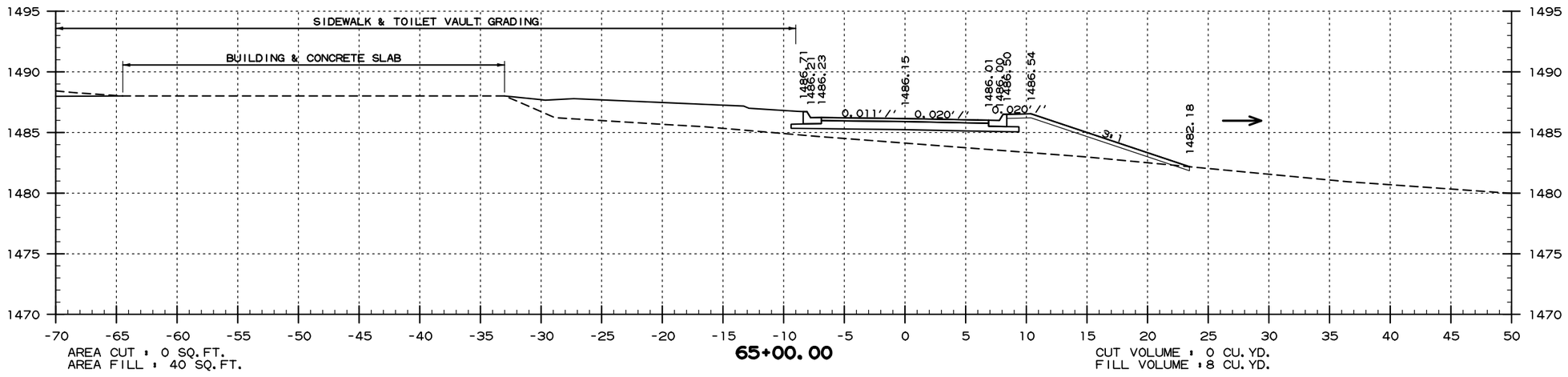
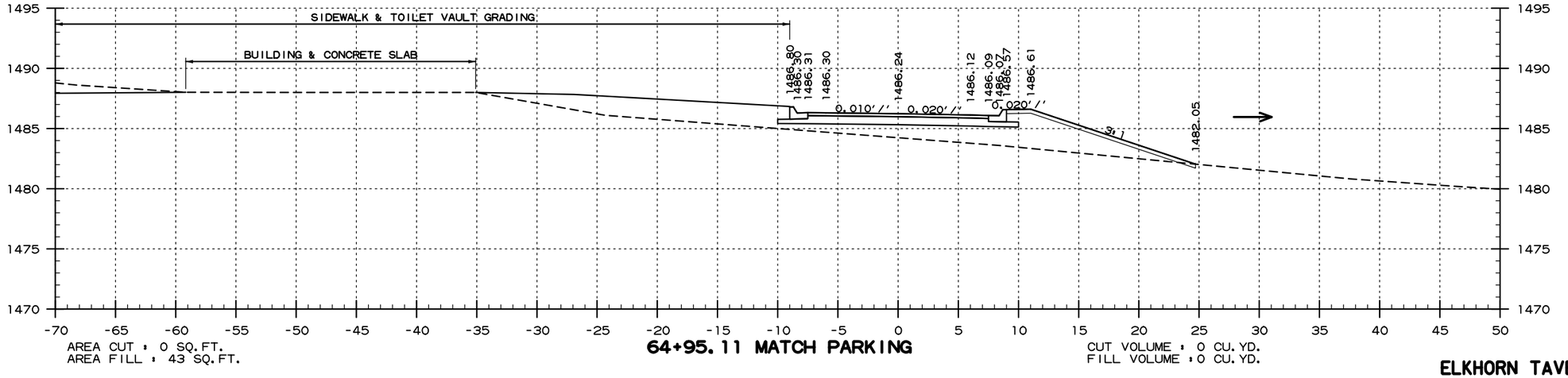
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 93 | 151 |
| (2) | CROSS SECTIONS | | | |

PERI 152541 DRAWING NO. 409/150019




**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 64+95 TO STA. 66+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

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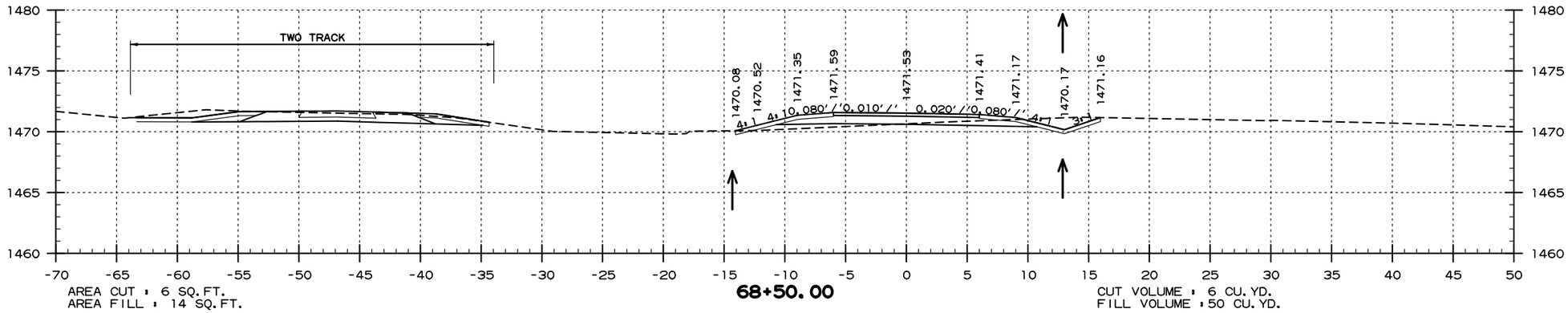
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 94 | 151 |

(2) CROSS SECTIONS

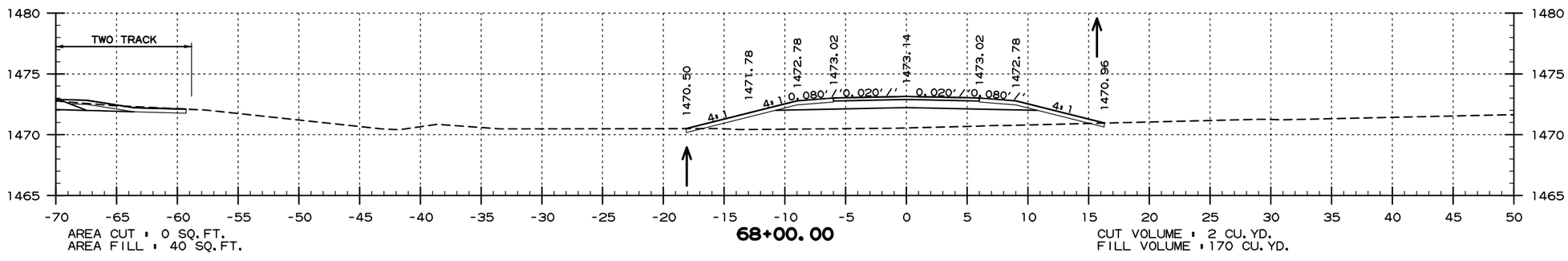
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 6 SQ.FT.
AREA FILL : 14 SQ.FT.

**68+50.00**

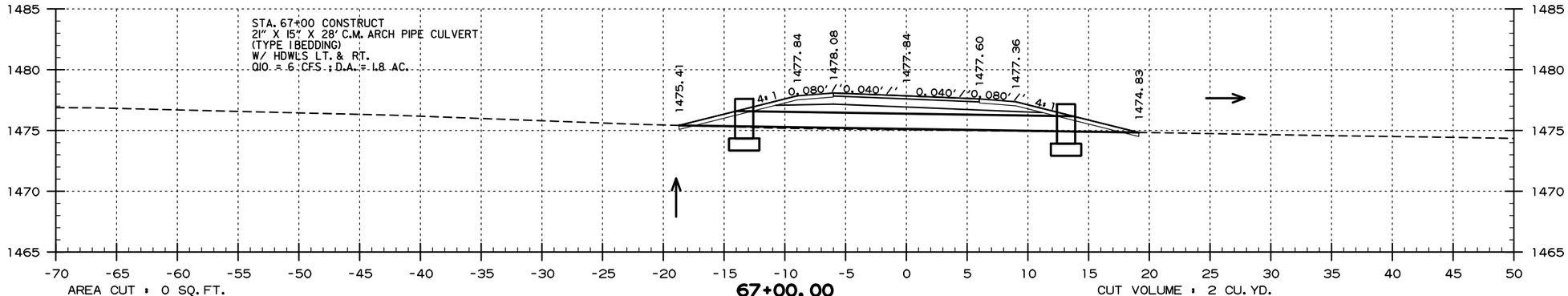
CUT VOLUME : 6 CU.YD.
FILL VOLUME : 50 CU.YD.




AREA CUT : 0 SQ.FT.
AREA FILL : 40 SQ.FT.

**68+00.00**

CUT VOLUME : 2 CU.YD.
FILL VOLUME : 170 CU.YD.




AREA CUT : 0 SQ.FT.
AREA FILL : 52 SQ.FT.

**67+00.00**

CUT VOLUME : 2 CU.YD.
FILL VOLUME : 198 CU.YD.

**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 67+00 TO STA. 68+50**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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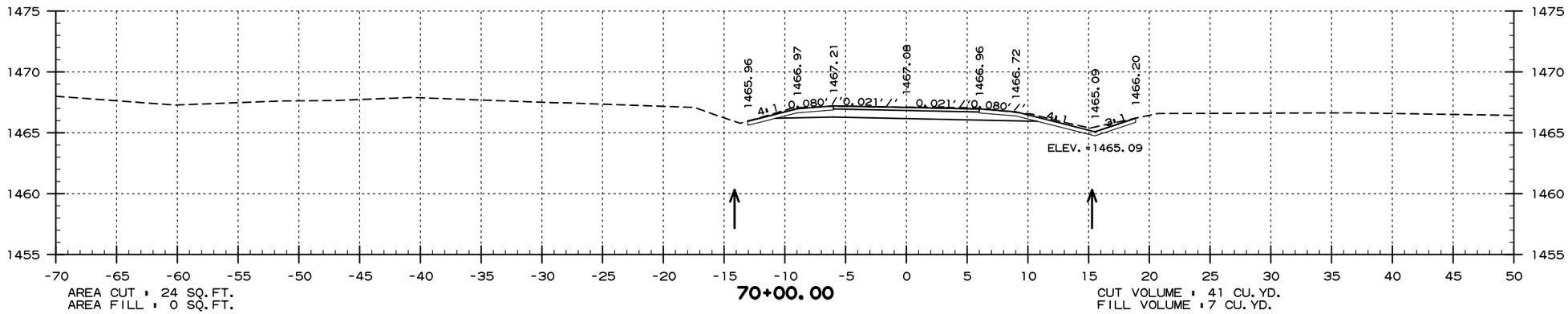
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 95 | 151 |

(2) CROSS SECTIONS

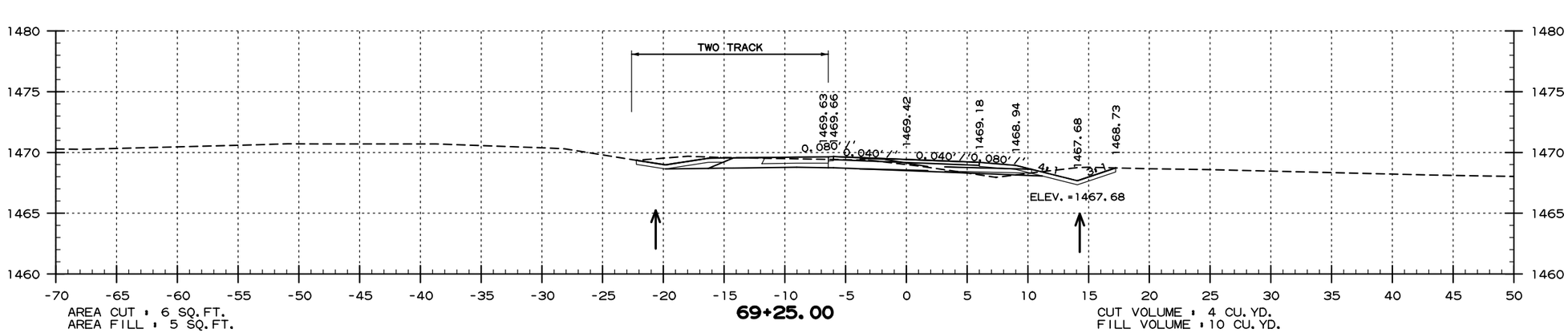
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 24 SQ.FT.
AREA FILL = 0 SQ.FT.

**70+00.00**

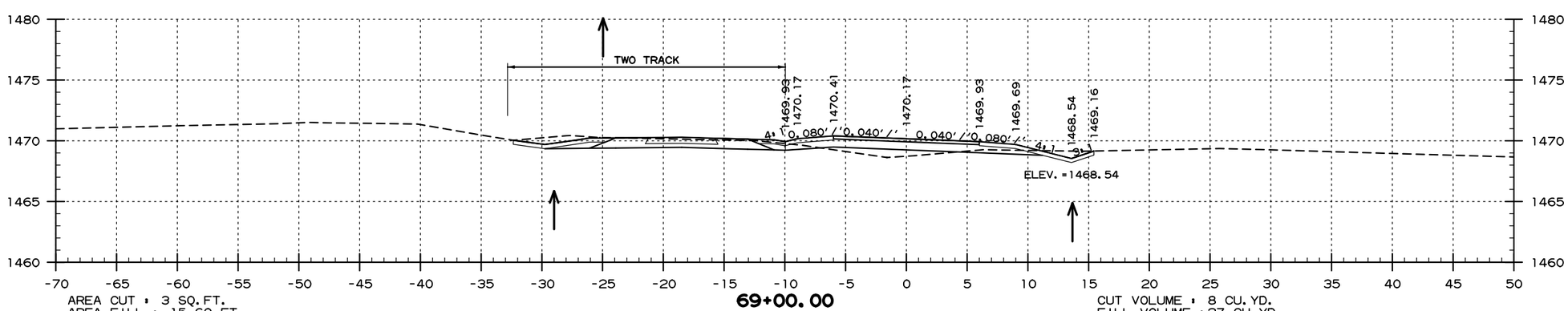
CUT VOLUME = 41 CU.YD.
FILL VOLUME = 7 CU.YD.




AREA CUT = 6 SQ.FT.
AREA FILL = 5 SQ.FT.

**69+25.00**

CUT VOLUME = 4 CU.YD.
FILL VOLUME = 10 CU.YD.




AREA CUT = 3 SQ.FT.
AREA FILL = 15 SQ.FT.

**69+00.00**

CUT VOLUME = 8 CU.YD.
FILL VOLUME = 27 CU.YD.

# SITE I
# ELKHORN TAVERN - ONE-WAY TOUR ROAD
# STA. 69+00 TO STA. 70+00

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

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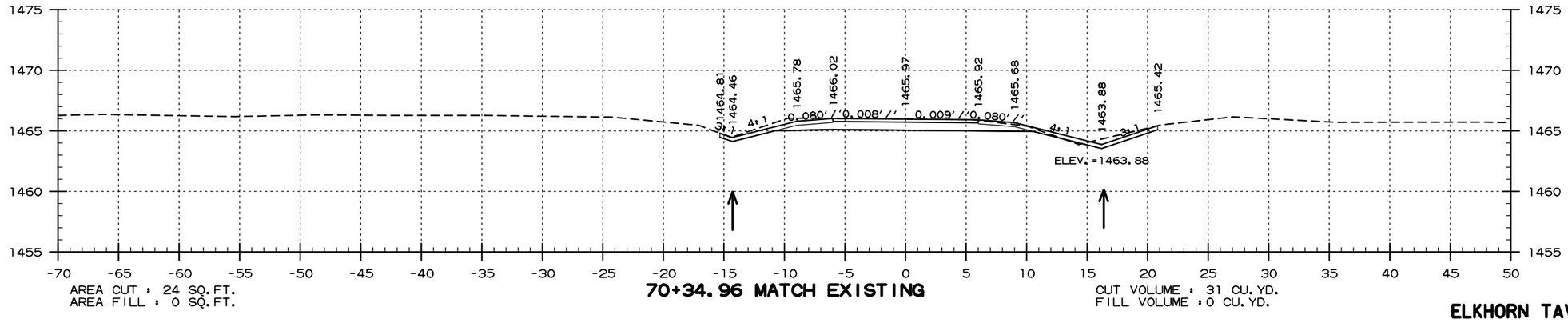
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 96 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




AREA CUT = 24 SQ.FT.
AREA FILL = 0 SQ.FT.

**70+34.96 MATCH EXISTING**

CUT VOLUME = 31 CU.YD.
FILL VOLUME = 0 CU.YD.

**SITE 1**
**ELKHORN TAVERN - ONE-WAY TOUR ROAD**
**STA. 70+35 TO STA. 70+35**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
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SCALE: 1in0

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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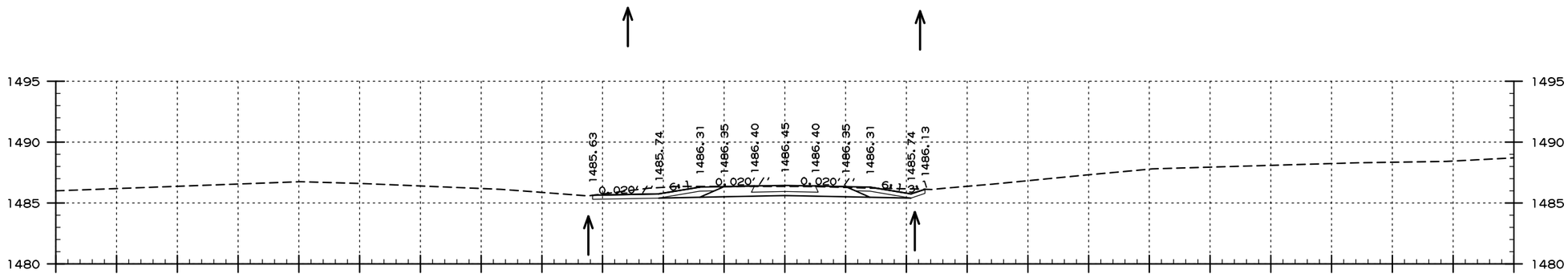
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 97 | 151 |

(2) CROSS SECTIONS

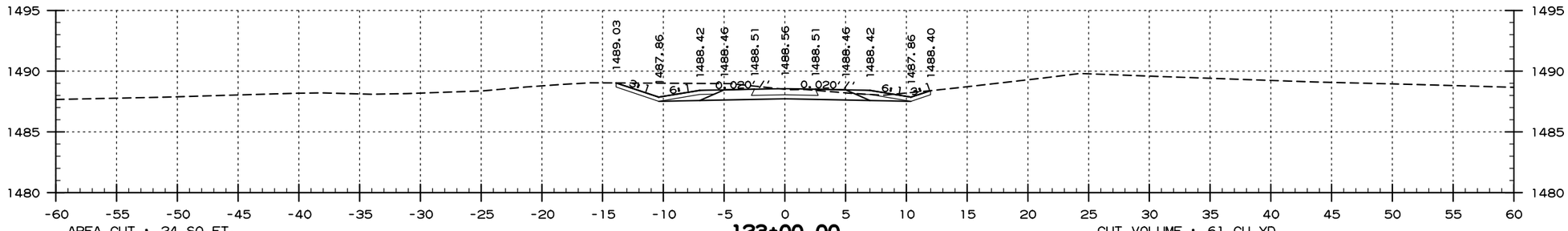
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 21 SQ.FT.
AREA FILL : 0 SQ.FT.

**124+00.00**

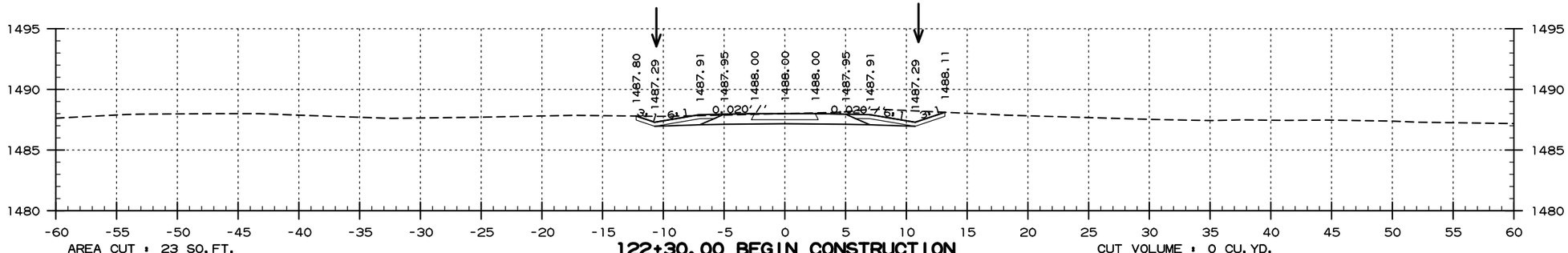
CUT VOLUME : 82 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 24 SQ.FT.
AREA FILL : 0 SQ.FT.

**123+00.00**

CUT VOLUME : 61 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 23 SQ.FT.
AREA FILL : 0 SQ.FT.

**122+30.00 BEGIN CONSTRUCTION**

CUT VOLUME : 0 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 1**
**ELKHORN TAVERN - TWO TRACK**
**STA. 122+30 TO STA. 124+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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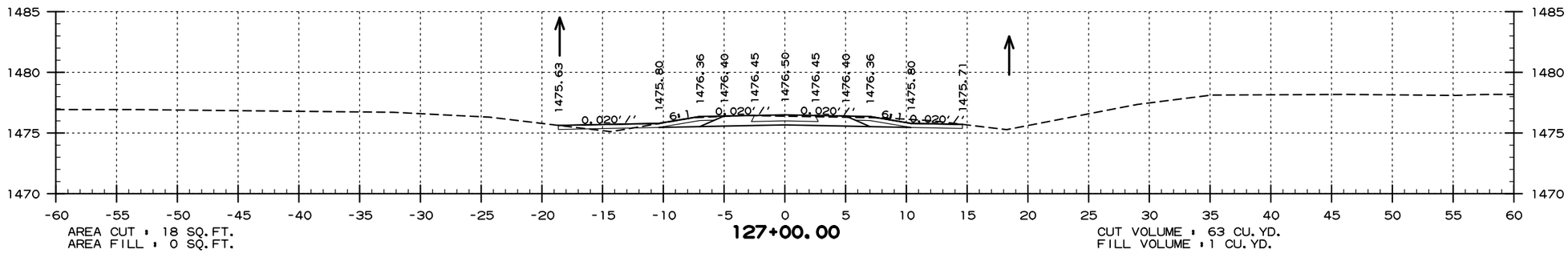
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 98 | 151 |
| (2) | CROSS SECTIONS | | | |

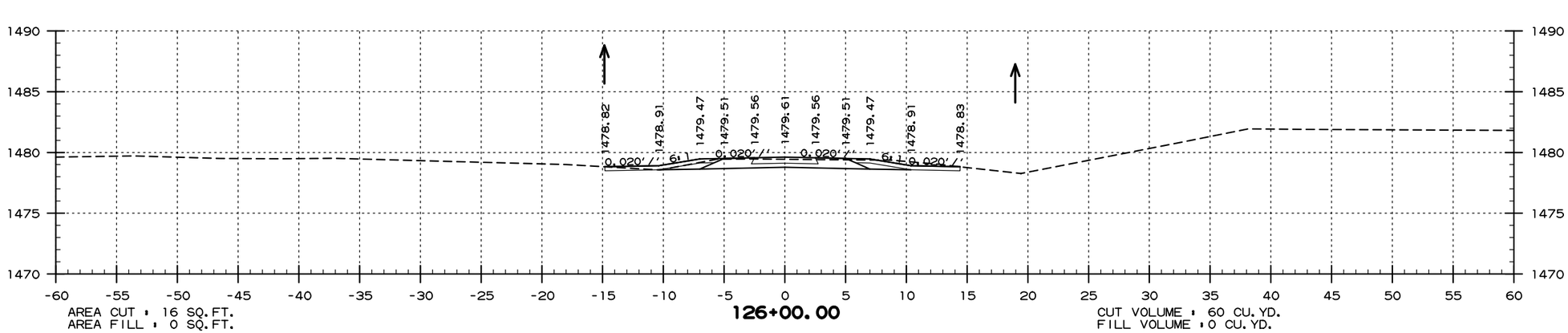
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 18 SQ.FT.
AREA FILL = 0 SQ.FT.

**127+00.00**

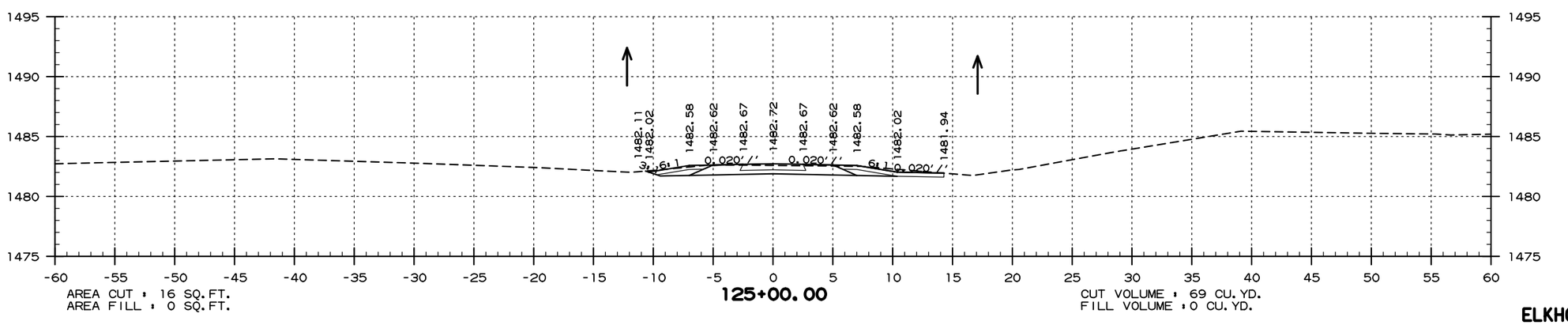
CUT VOLUME = 63 CU.YD.
FILL VOLUME = 1 CU.YD.




AREA CUT = 16 SQ.FT.
AREA FILL = 0 SQ.FT.

**126+00.00**

CUT VOLUME = 60 CU.YD.
FILL VOLUME = 0 CU.YD.




AREA CUT = 16 SQ.FT.
AREA FILL = 0 SQ.FT.

**125+00.00**

CUT VOLUME = 69 CU.YD.
FILL VOLUME = 0 CU.YD.

**SITE 1**
**ELKHORN TAVERN - TWO TRACK**
**STA. 125+00 TO STA. 127+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

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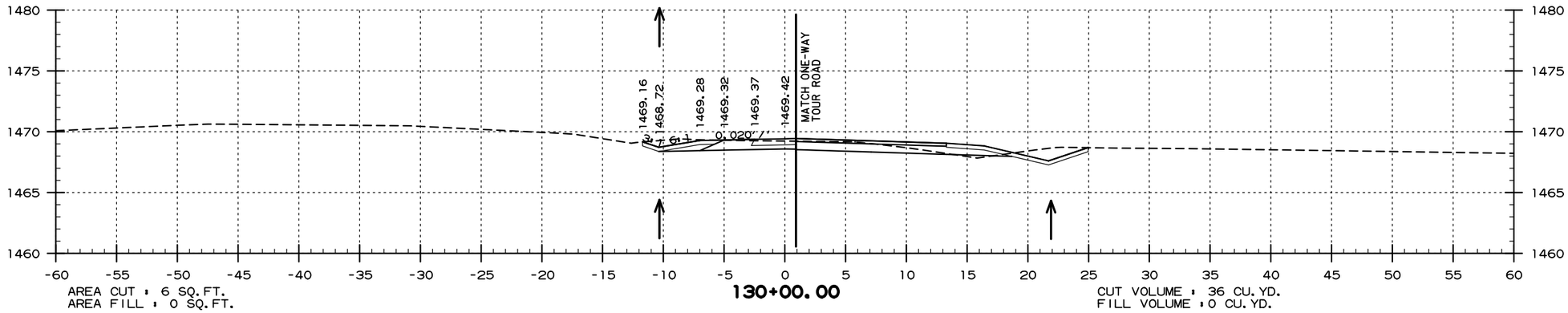
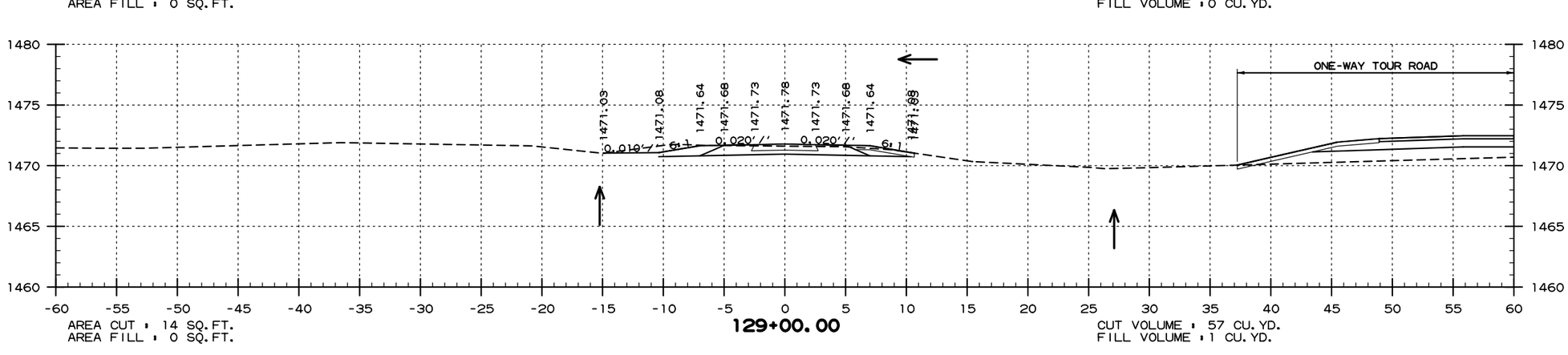
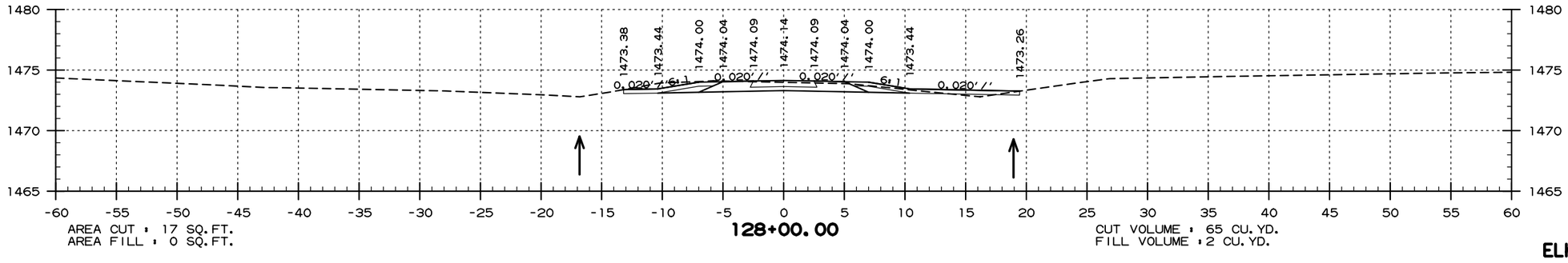
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 99 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




**SITE 1**
**ELKHORN TAVERN - TWO TRACK**
**STA. 128+00 TO STA. 130+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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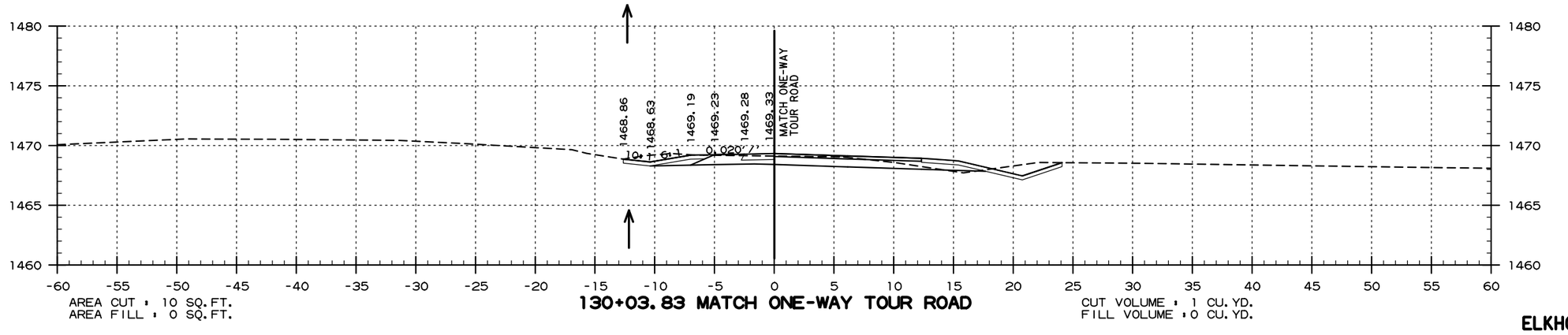
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 100 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




AREA CUT : 10 SQ.FT.
AREA FILL : 0 SQ.FT.

**130+03.83 MATCH ONE-WAY TOUR ROAD**

CUT VOLUME : 1 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 1**
**ELKHORN TAVERN - TWO TRACK**
**STA. 130+04 TO STA. 130+04**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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EXISTING PAVEMENT REMOVAL/12" UNDERCUT

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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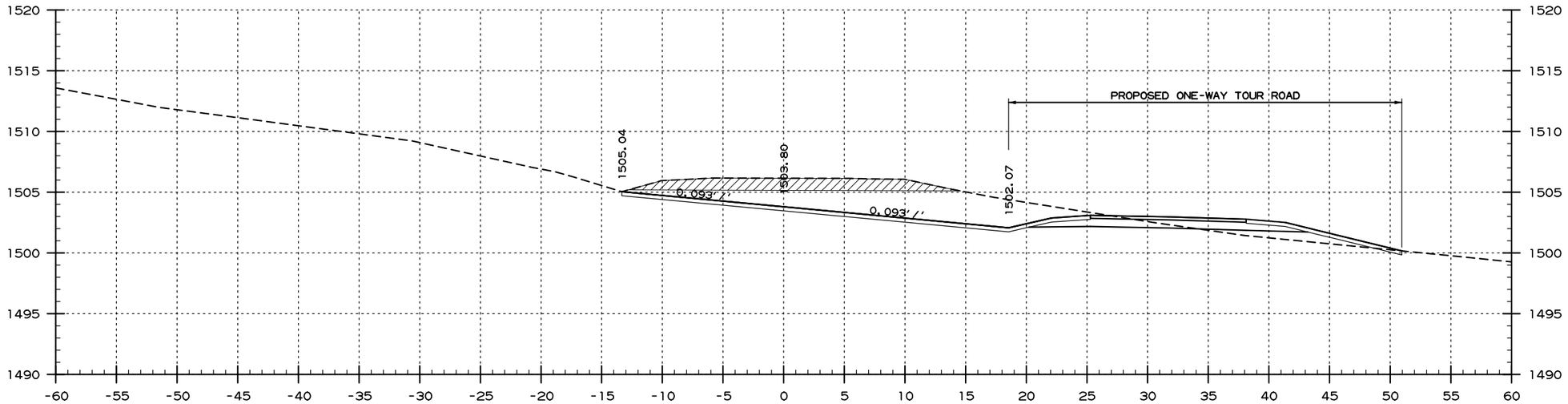
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 101 | 151 |

(2) CROSS SECTIONS

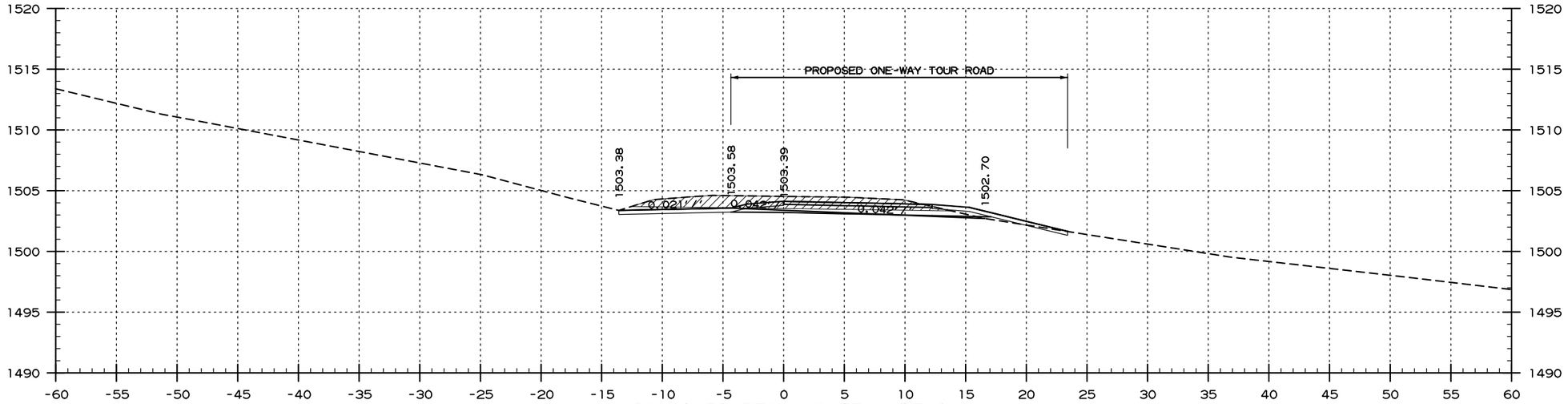
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 80 SQ.FT.
AREA FILL : 0 SQ.FT.

**105+00.00**

CUT VOLUME : 162 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 29 SQ.FT.
AREA FILL : 0 SQ.FT.

**104+19.59 BEGIN SITE 1 DEMO**

CUT VOLUME : 0 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 104+20 TO STA. 105+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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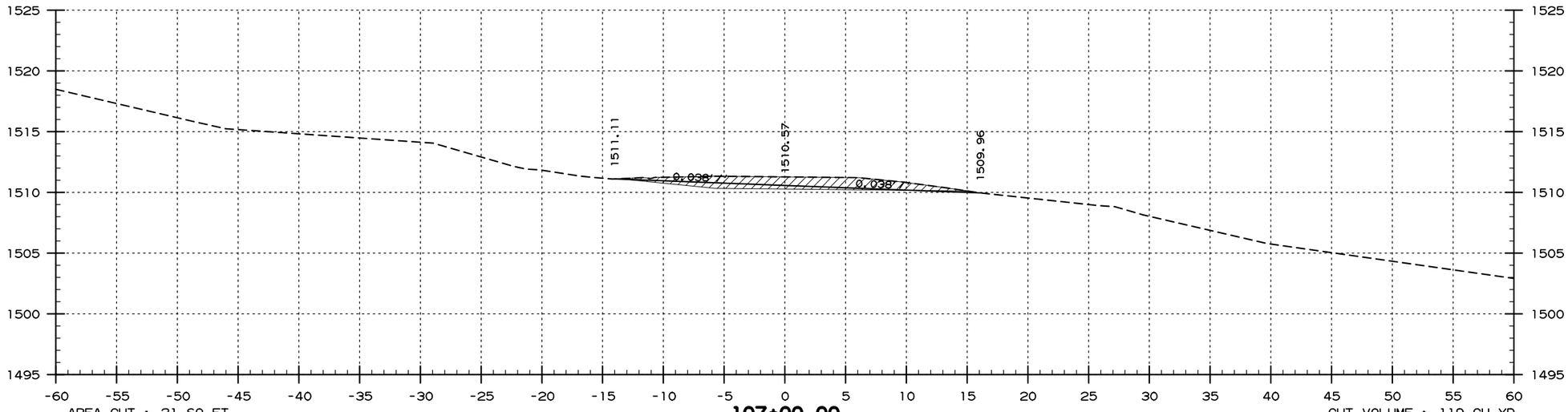
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 102 | 151 |

(2) CROSS SECTIONS

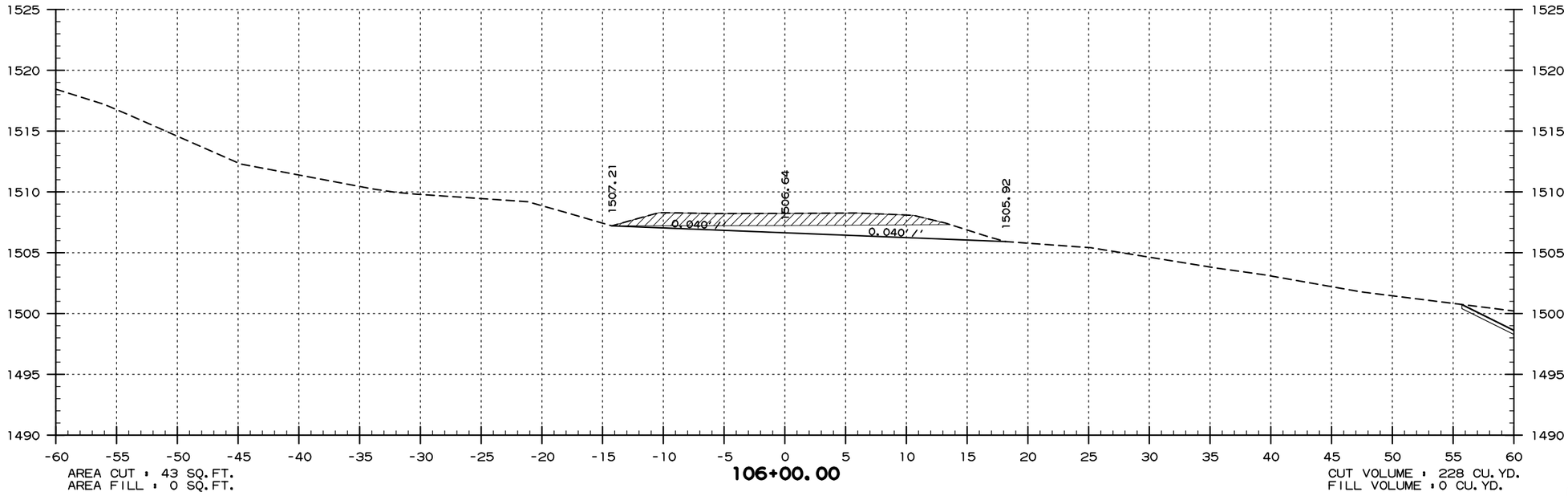
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 21 SQ.FT.
AREA FILL : 6 SQ.FT.

**107+00.00**

CUT VOLUME : 119 CU.YD.
FILL VOLUME : 11 CU.YD.




AREA CUT : 43 SQ.FT.
AREA FILL : 0 SQ.FT.

**106+00.00**

CUT VOLUME : 228 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 106+00 TO STA. 107+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn SCALE: 1:10
PLOTTED: 9/8/2020 09:58

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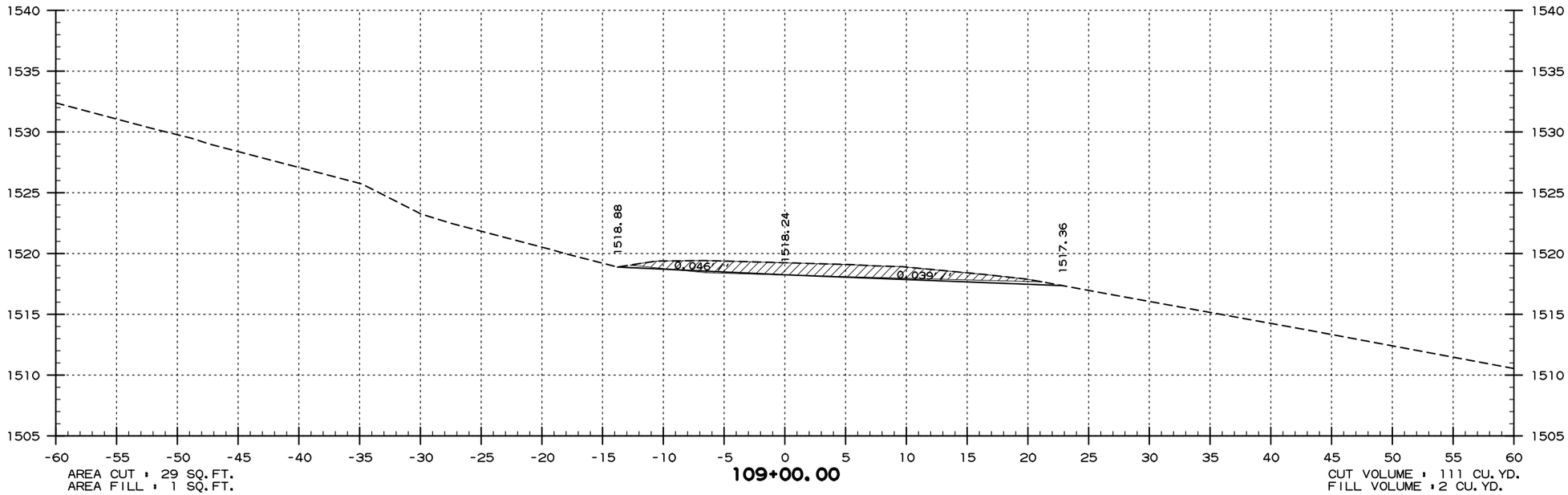
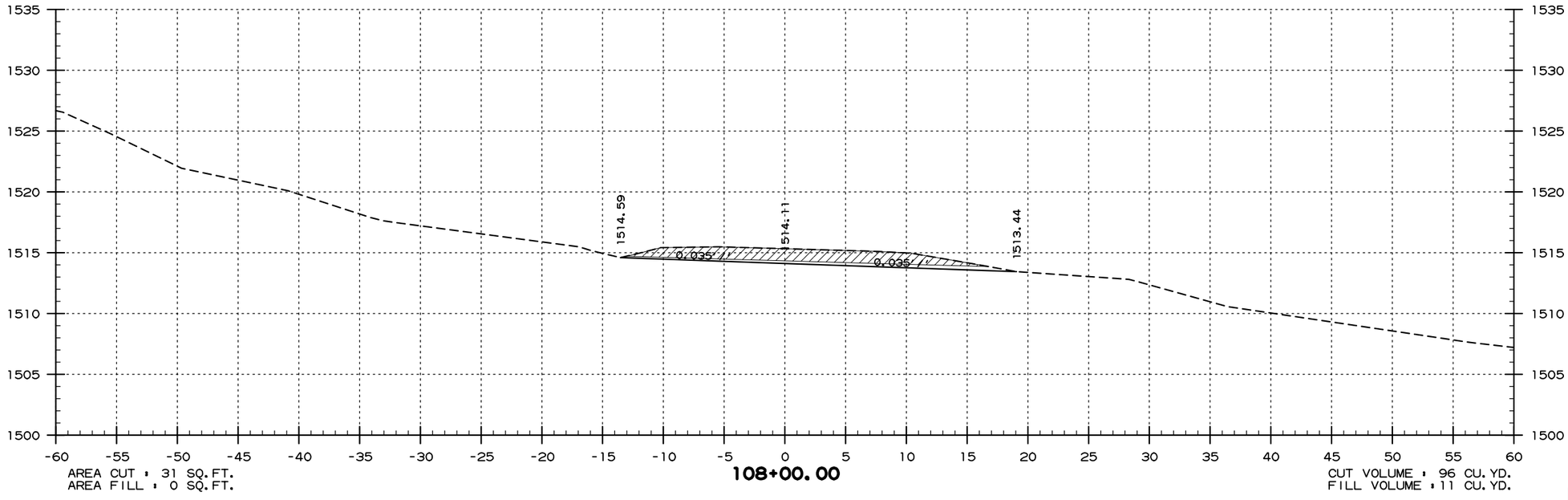
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 103 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn SCALE: 1:10
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**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 108+00 TO STA. 109+00**

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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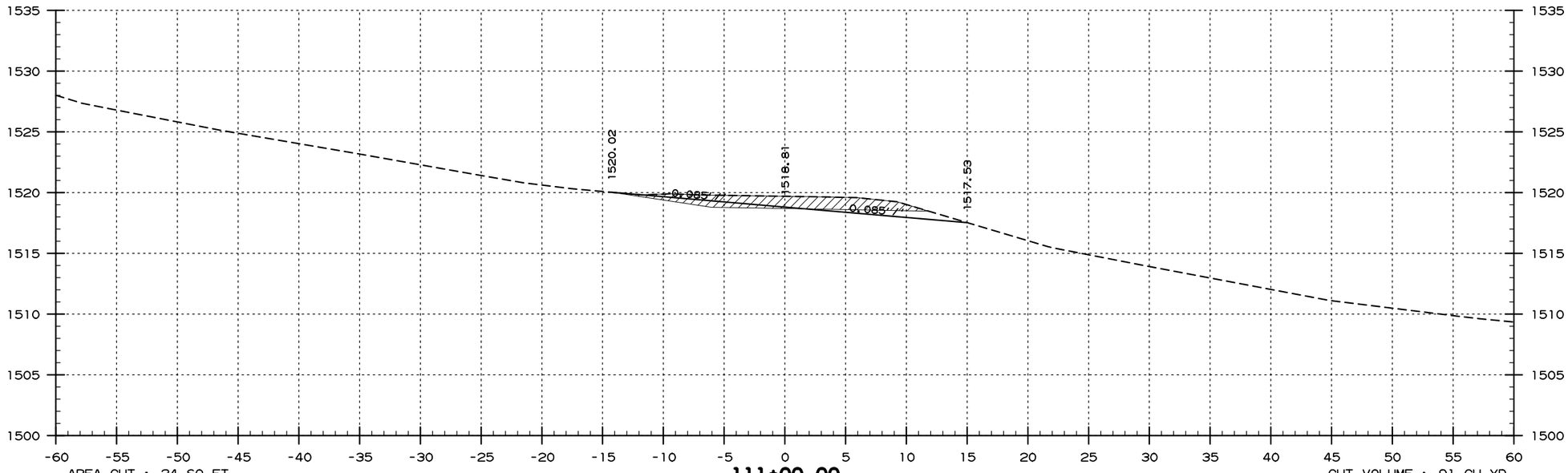
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 104 | 151 |

(2) CROSS SECTIONS

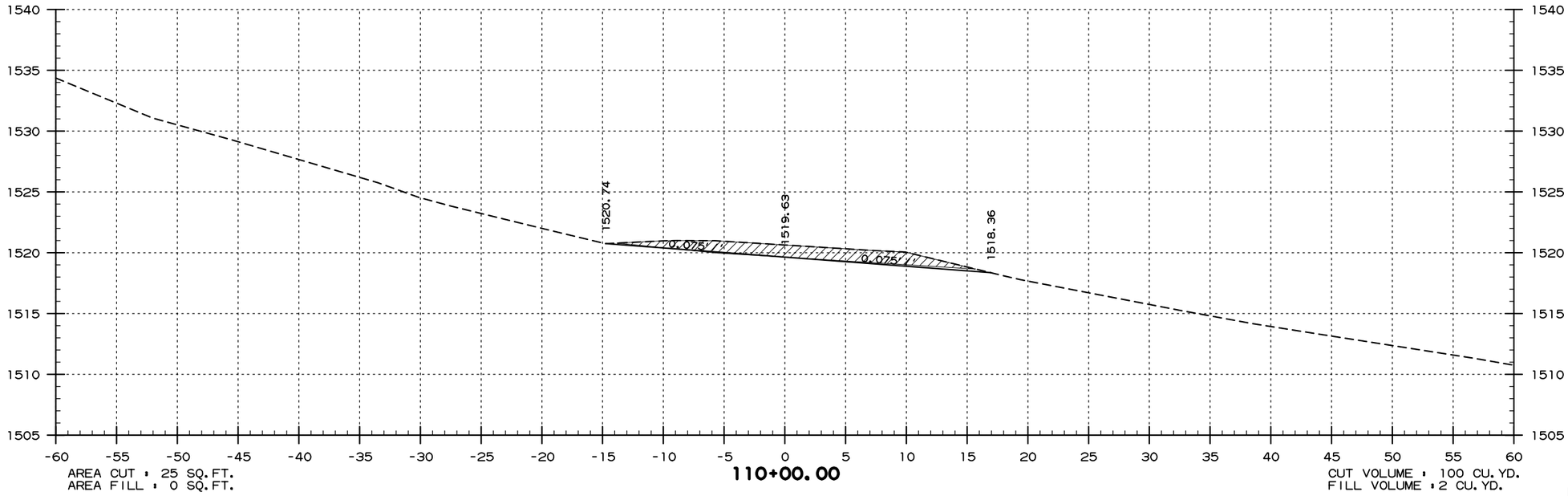
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 24 SQ.FT.
AREA FILL : 4 SQ.FT.

**111+00.00**

CUT VOLUME : 91 CU.YD.
FILL VOLUME : 7 CU.YD.




AREA CUT : 25 SQ.FT.
AREA FILL : 0 SQ.FT.

**110+00.00**

CUT VOLUME : 100 CU.YD.
FILL VOLUME : 2 CU.YD.

**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 110+00 TO STA. 111+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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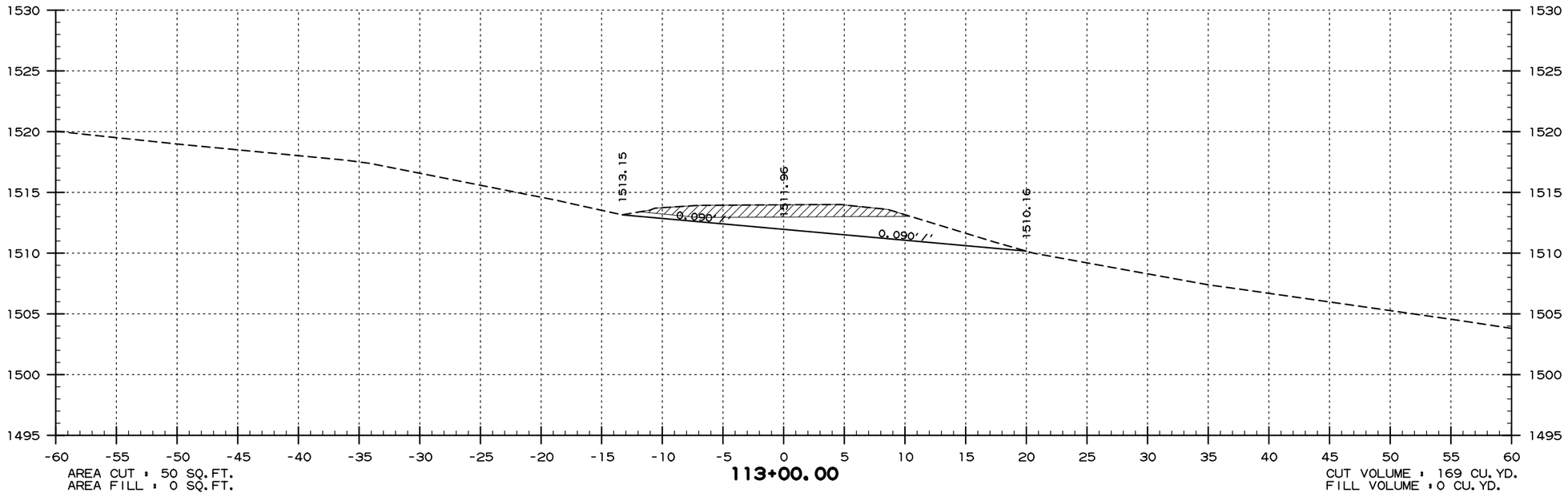
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 105 | 151 |

(2) CROSS SECTIONS

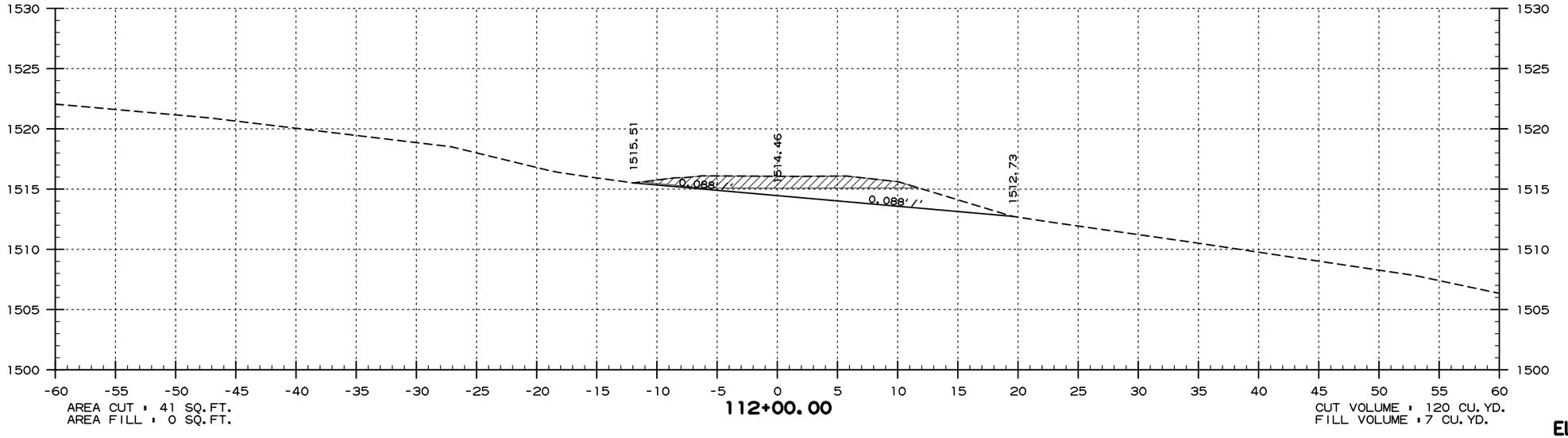
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 50 SQ.FT.
AREA FILL : 0 SQ.FT.

**113+00.00**

CUT VOLUME : 169 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 41 SQ.FT.
AREA FILL : 0 SQ.FT.

**112+00.00**

CUT VOLUME : 120 CU.YD.
FILL VOLUME : 7 CU.YD.

**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 112+00 TO STA. 113+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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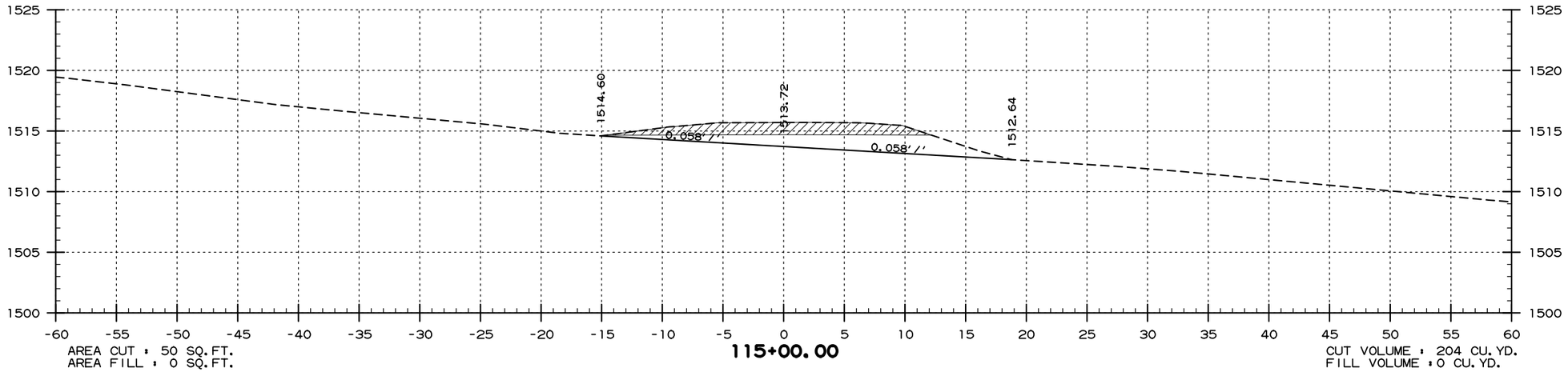
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 106 | 151 |

(2) CROSS SECTIONS

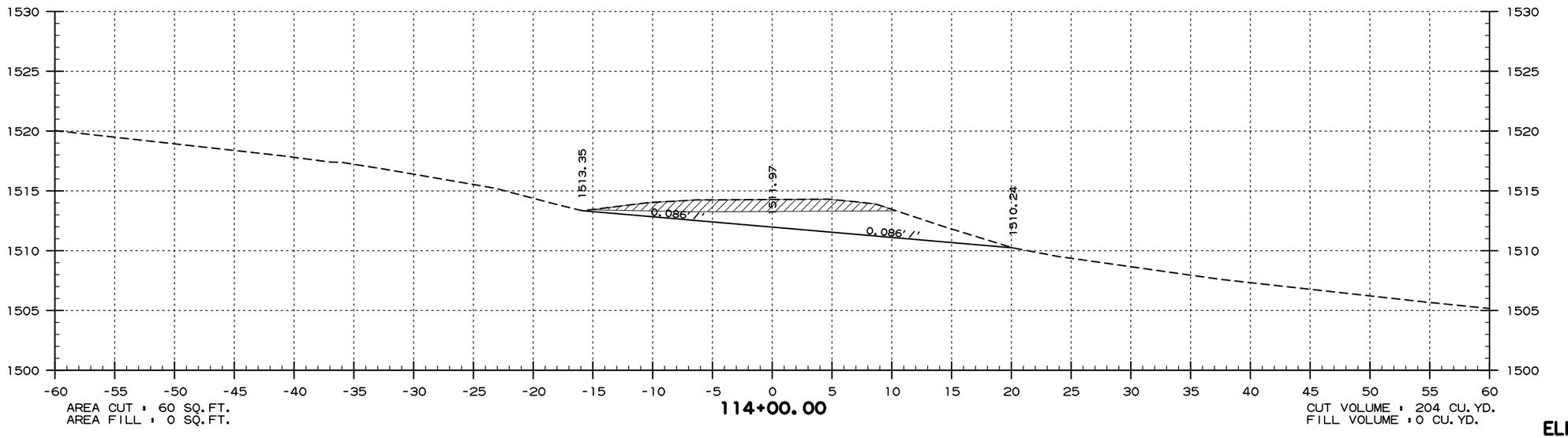
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 50 SQ.FT.
AREA FILL : 0 SQ.FT.

**115+00.00**

CUT VOLUME : 204 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 60 SQ.FT.
AREA FILL : 0 SQ.FT.

**114+00.00**

CUT VOLUME : 204 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 114+00 TO STA. 115+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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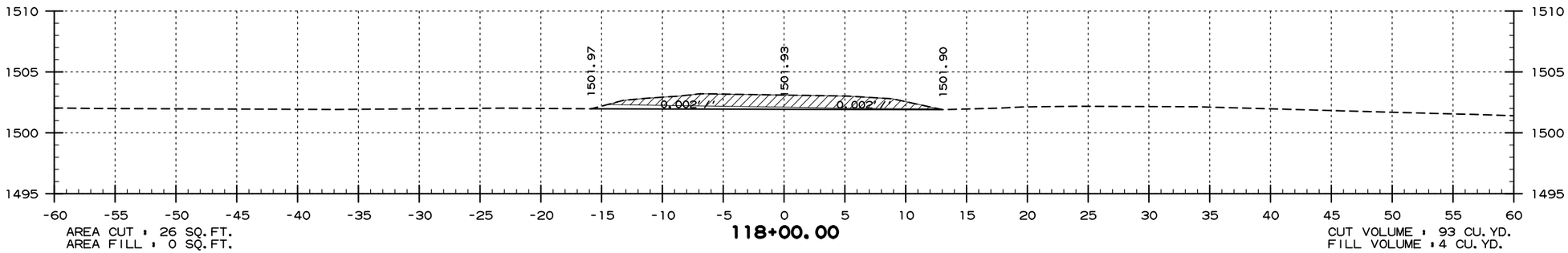
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 107 | 151 |
| (2) | CROSS SECTIONS | | | |

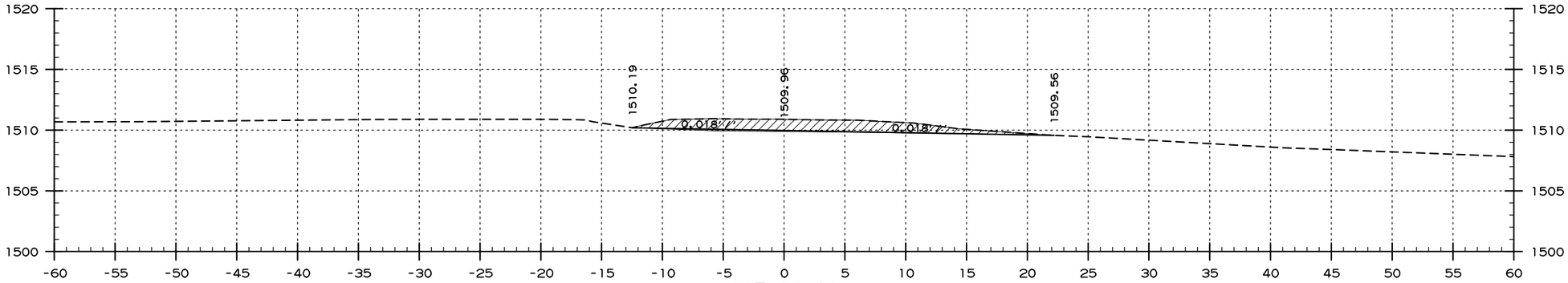
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 26 SQ.FT.
AREA FILL = 0 SQ.FT.

**118+00.00**

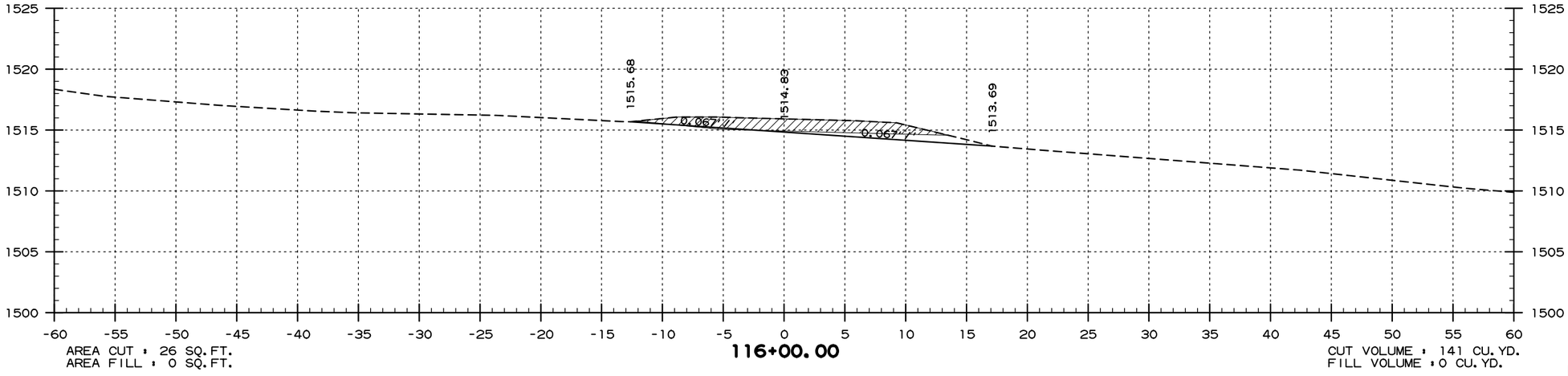
CUT VOLUME = 93 CU.YD.
FILL VOLUME = 4 CU.YD.




AREA CUT = 24 SQ.FT.
AREA FILL = 2 SQ.FT.

**117+00.00**

CUT VOLUME = 93 CU.YD.
FILL VOLUME = 4 CU.YD.




AREA CUT = 26 SQ.FT.
AREA FILL = 0 SQ.FT.

**116+00.00**

CUT VOLUME = 141 CU.YD.
FILL VOLUME = 0 CU.YD.

**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 116+00 TO STA. 118+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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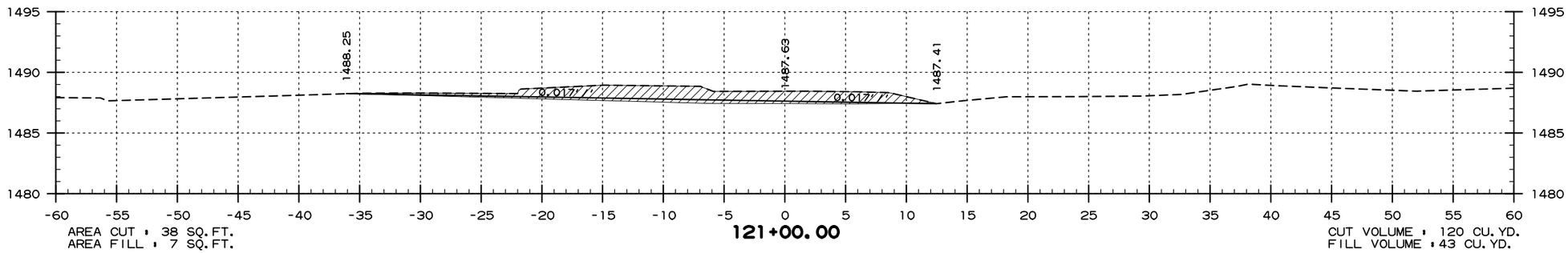
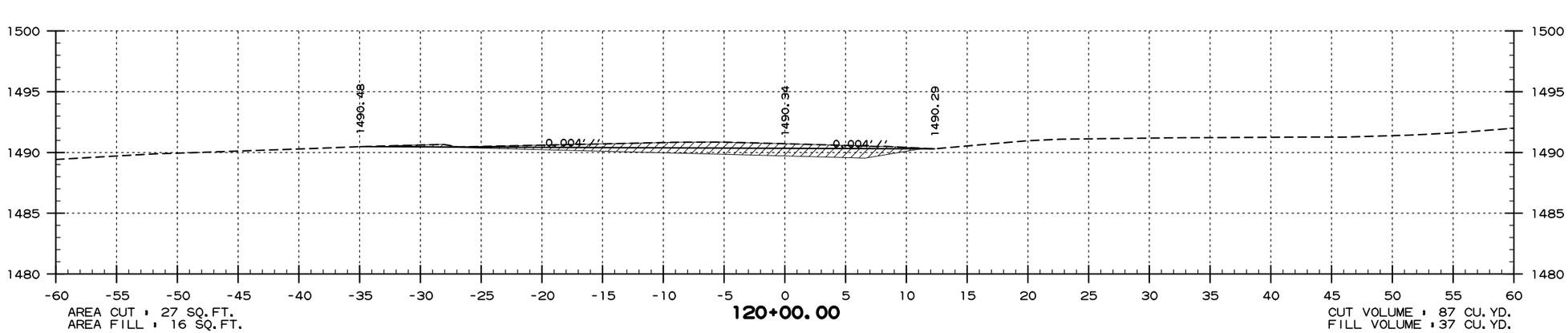
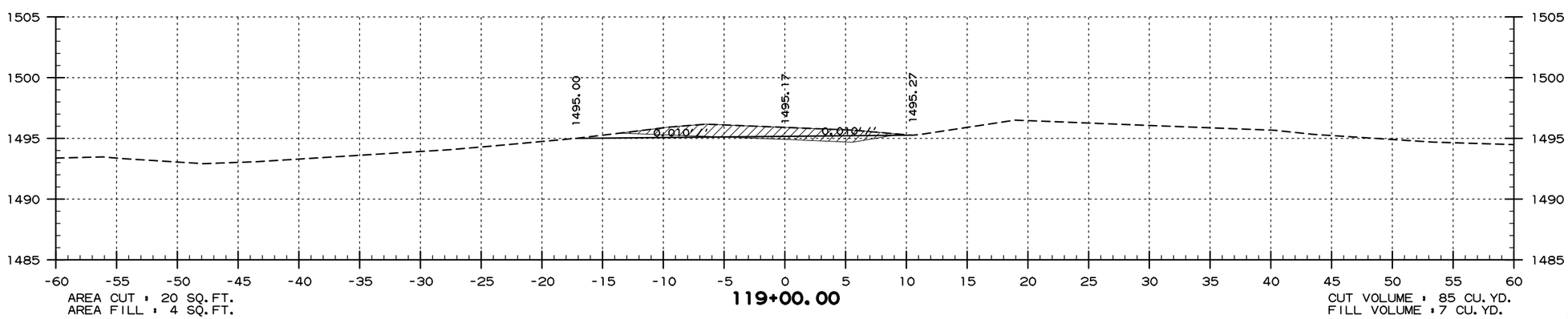
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 108 | 151 |
| (2) | CROSS SECTIONS | | | |

PERI 152541 DRAWING NO. 409/150019




**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 119+00 TO STA. 121+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58

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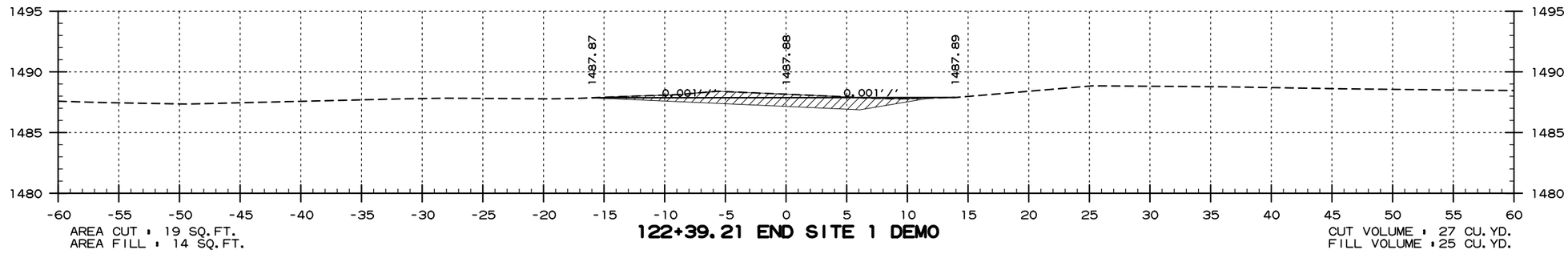
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 109 | 151 |

(2) CROSS SECTIONS

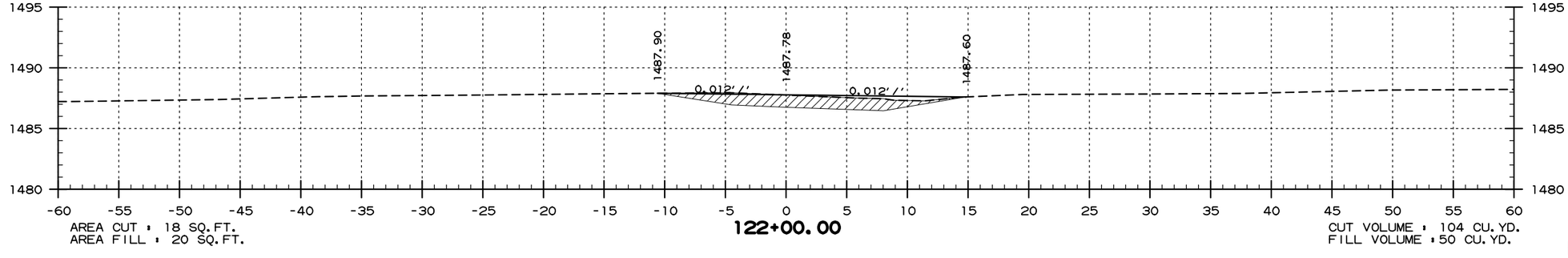
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 19 SQ.FT.
AREA FILL = 14 SQ.FT.

**122+39.21 END SITE 1 DEMO**

CUT VOLUME = 27 CU.YD.
FILL VOLUME = 25 CU.YD.




AREA CUT = 18 SQ.FT.
AREA FILL = 20 SQ.FT.

**122+00.00**

CUT VOLUME = 104 CU.YD.
FILL VOLUME = 50 CU.YD.

**SITE 1**
**ELKHORN TOUR ROAD - DEMO**
**STA. 122+00 TO STA. 122+39**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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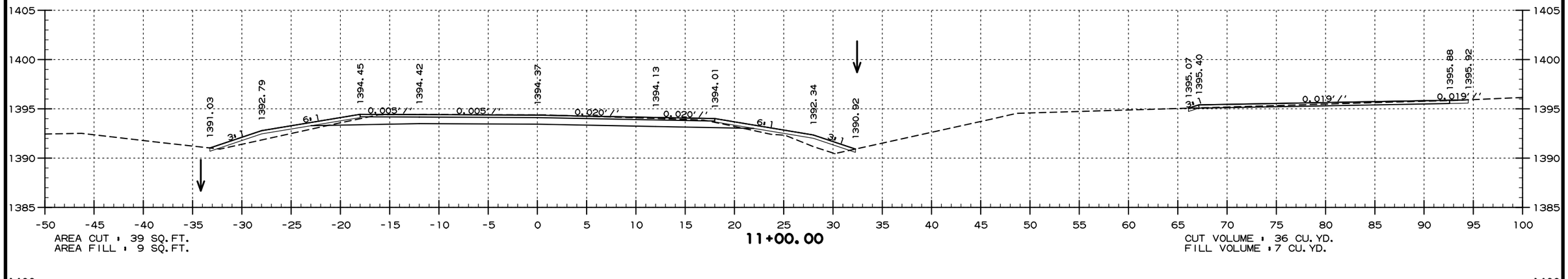
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 110 | 151 |

(2) CROSS SECTIONS

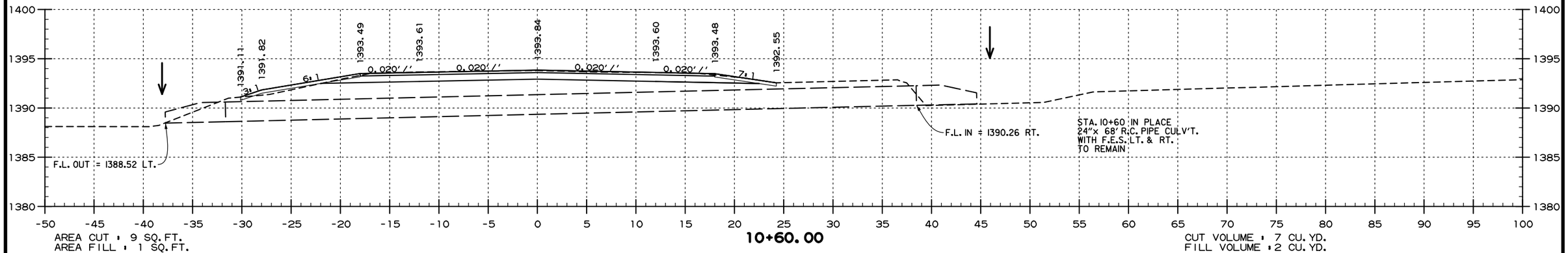
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 39 SQ.FT.
AREA FILL = 9 SQ.FT.

**11+00.00**

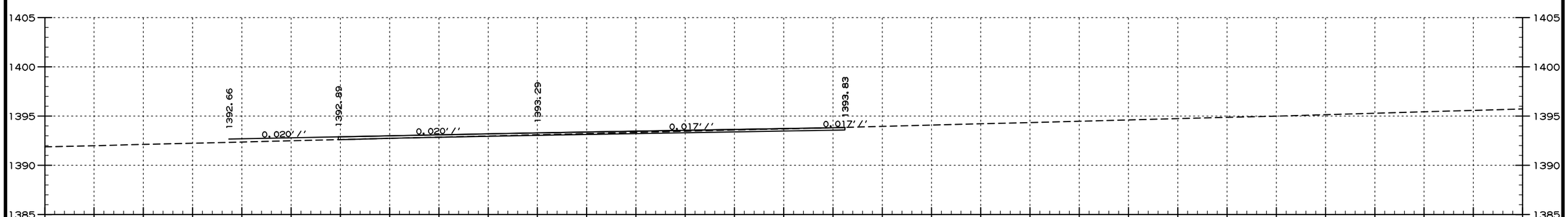
CUT VOLUME = 36 CU.YD.
FILL VOLUME = 7 CU.YD.




AREA CUT = 9 SQ.FT.
AREA FILL = 1 SQ.FT.

**10+60.00**

CUT VOLUME = 7 CU.YD.
FILL VOLUME = 2 CU.YD.




AREA CUT = 5 SQ.FT.
AREA FILL = 3 SQ.FT.

**10+31.50 BEGIN SITE 2**

CUT VOLUME = 0 CU.YD.
FILL VOLUME = 0 CU.YD.

# SITE 2
# PARK ENTRANCE ROAD
# STA. 10+32 TO STA. 11+00

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn SCALE: 1:10
PLOTTED: 9/8/2020 09:58

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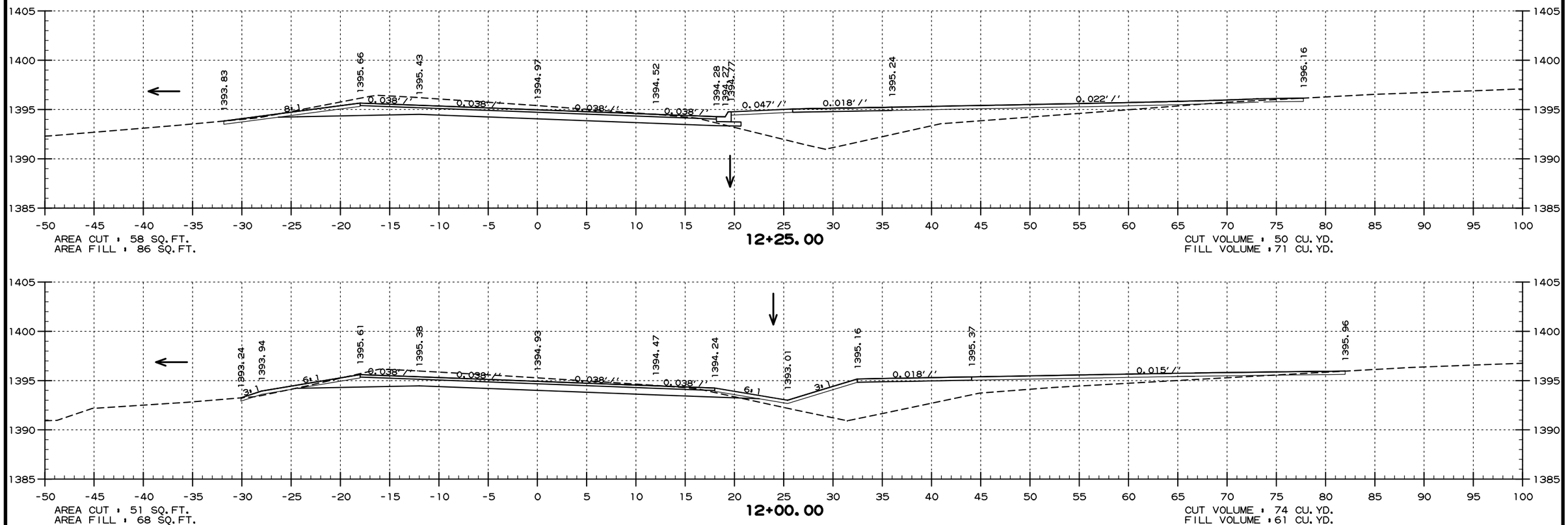
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | III | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




# SITE 2
# PARK ENTRANCE ROAD
# STA. 11+58 TO STA. 12+25

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1=10

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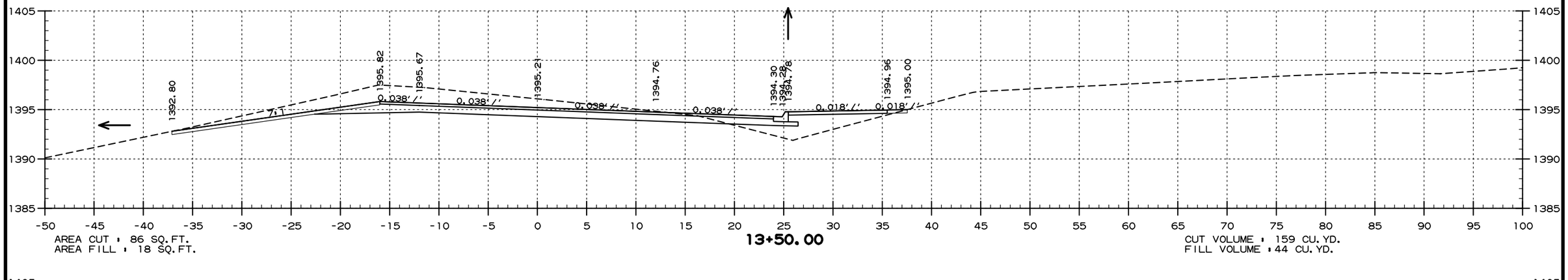
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 112 | 151 |

(2) CROSS SECTIONS

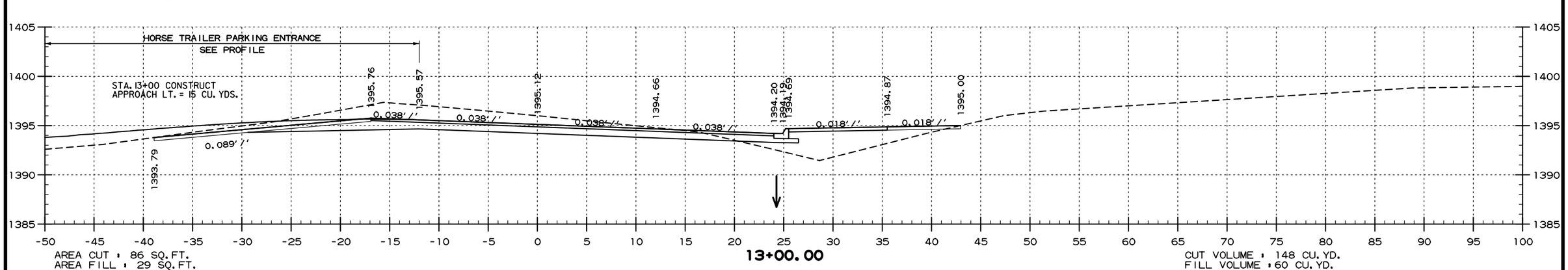
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 86 SQ.FT.
AREA FILL = 18 SQ.FT.

**13+50.00**

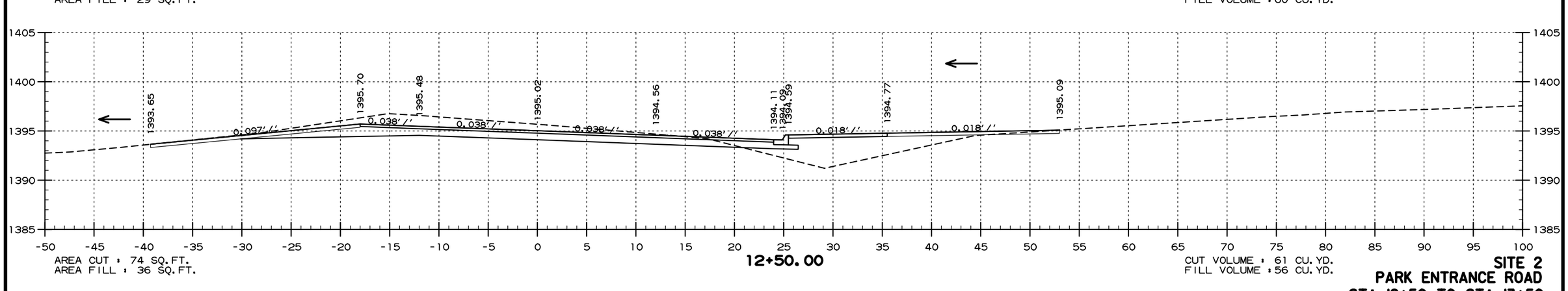
CUT VOLUME = 159 CU.YD.
FILL VOLUME = 44 CU.YD.




AREA CUT = 86 SQ.FT.
AREA FILL = 29 SQ.FT.

**13+00.00**

CUT VOLUME = 148 CU.YD.
FILL VOLUME = 60 CU.YD.




AREA CUT = 74 SQ.FT.
AREA FILL = 36 SQ.FT.

**12+50.00**

CUT VOLUME = 61 CU.YD.
FILL VOLUME = 56 CU.YD.

# SITE 2
# PARK ENTRANCE ROAD
# STA. 12+50 TO STA. 13+50

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

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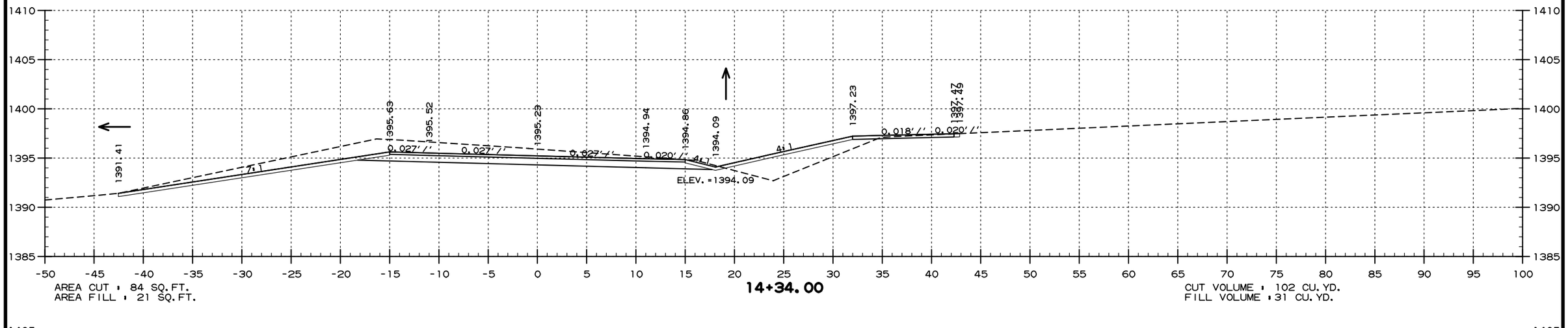
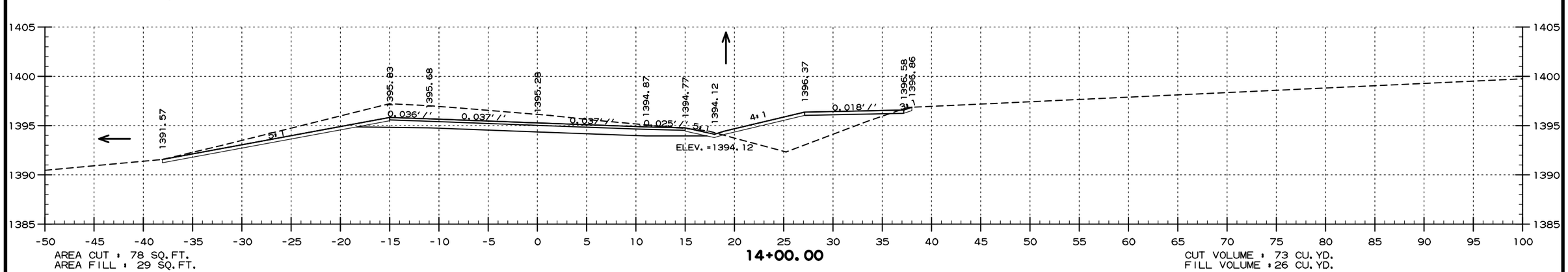
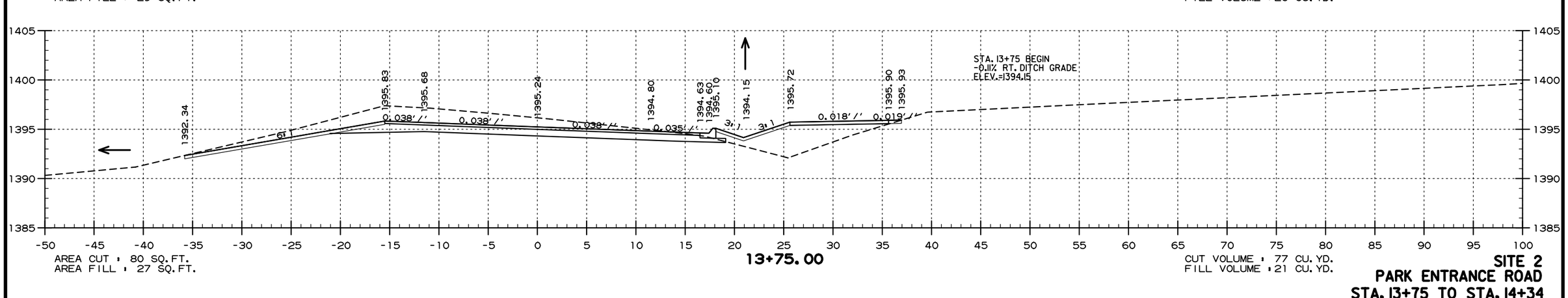
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 113 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




SITE 2
PARK ENTRANCE ROAD
STA. 13+75 TO STA. 14+34

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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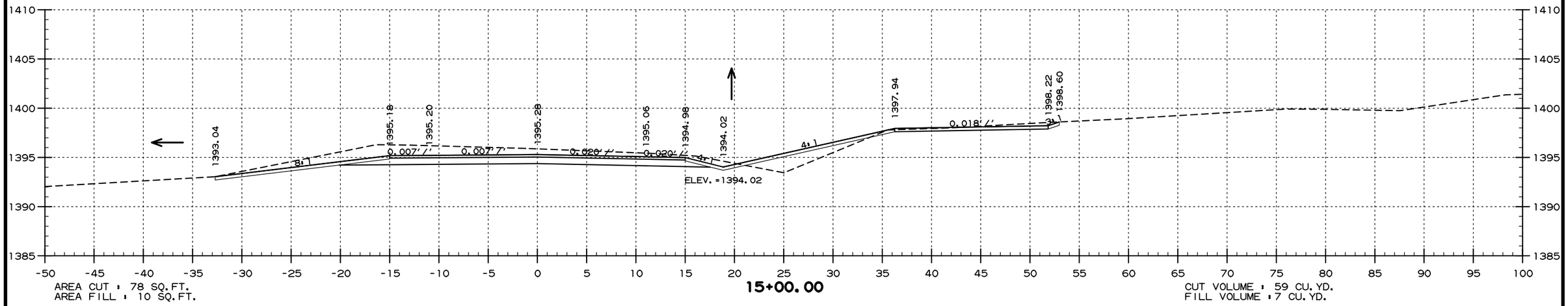
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 114 | 151 |

(2) CROSS SECTIONS

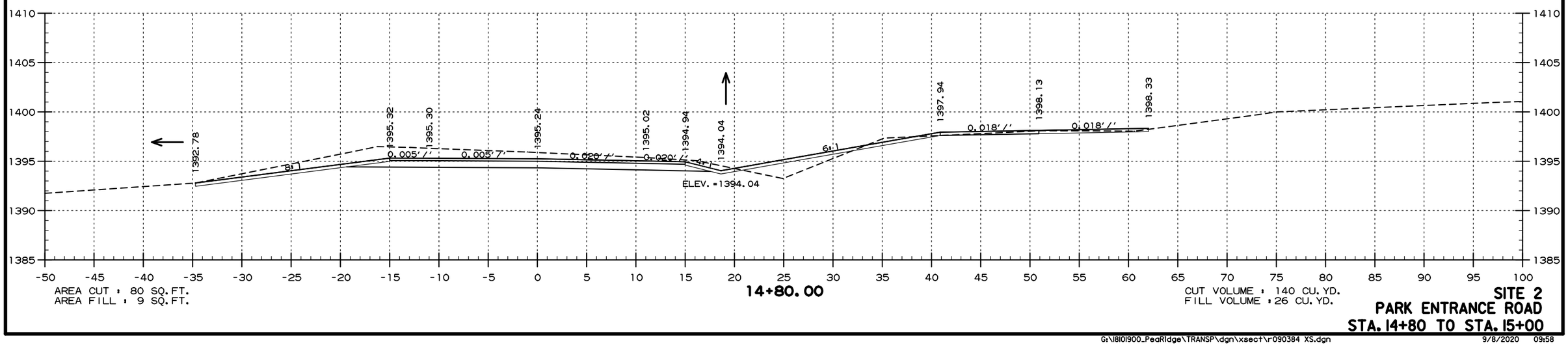
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 78 SQ.FT.
AREA FILL : 10 SQ.FT.

**15+00.00**

CUT VOLUME : 59 CU.YD.
FILL VOLUME : 7 CU.YD.




AREA CUT : 80 SQ.FT.
AREA FILL : 9 SQ.FT.

**14+80.00**

CUT VOLUME : 140 CU.YD.
FILL VOLUME : 26 CU.YD.

# SITE 2
# PARK ENTRANCE ROAD
# STA. 14+80 TO STA. 15+00

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
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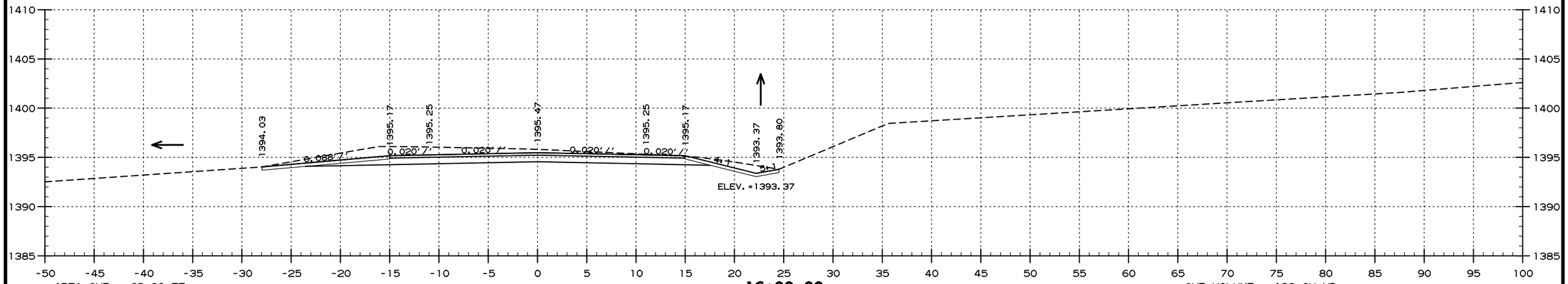
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 115 | 151 |

(2) CROSS SECTIONS

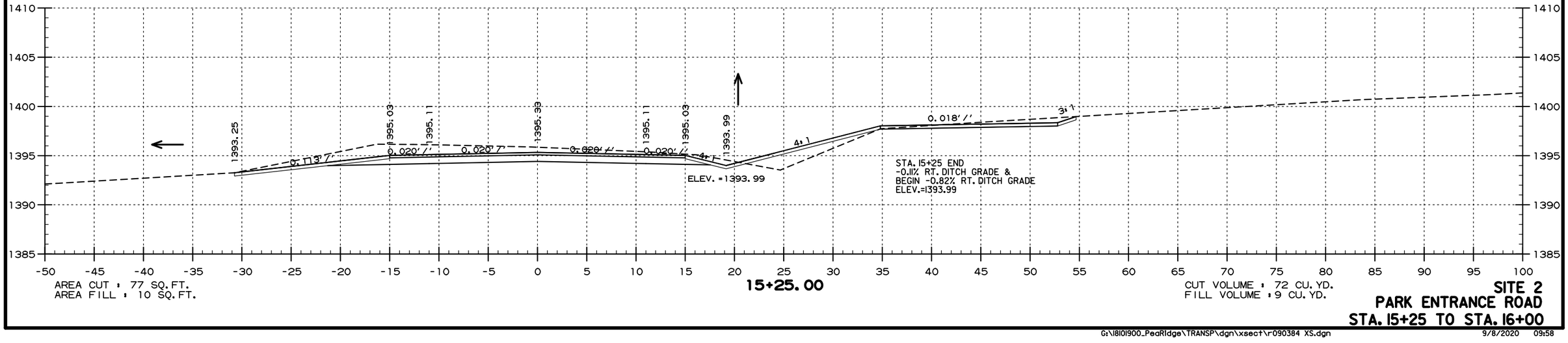
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 62 SQ.FT.
AREA FILL : 0 SQ.FT.

**16+00.00**

CUT VOLUME : 193 CU.YD.
FILL VOLUME : 14 CU.YD.




AREA CUT : 77 SQ.FT.
AREA FILL : 10 SQ.FT.

**15+25.00**

CUT VOLUME : 72 CU.YD.
FILL VOLUME : 9 CU.YD.

# SITE 2
# PARK ENTRANCE ROAD
# STA. 15+25 TO STA. 16+00

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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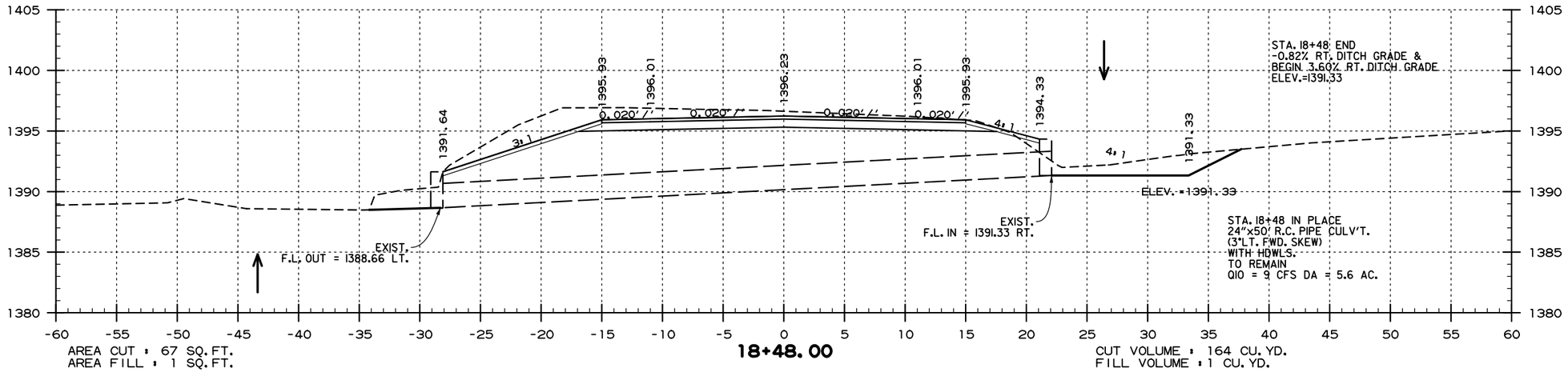
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 116 | 151 |

(2) CROSS SECTIONS

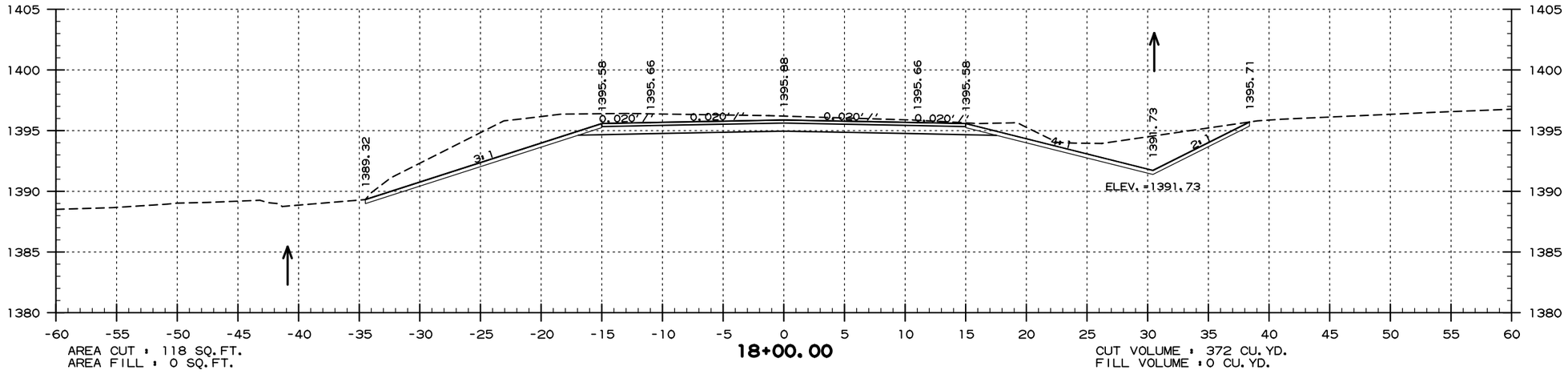
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 67 SQ.FT.
AREA FILL : 1 SQ.FT.

**18+48.00**

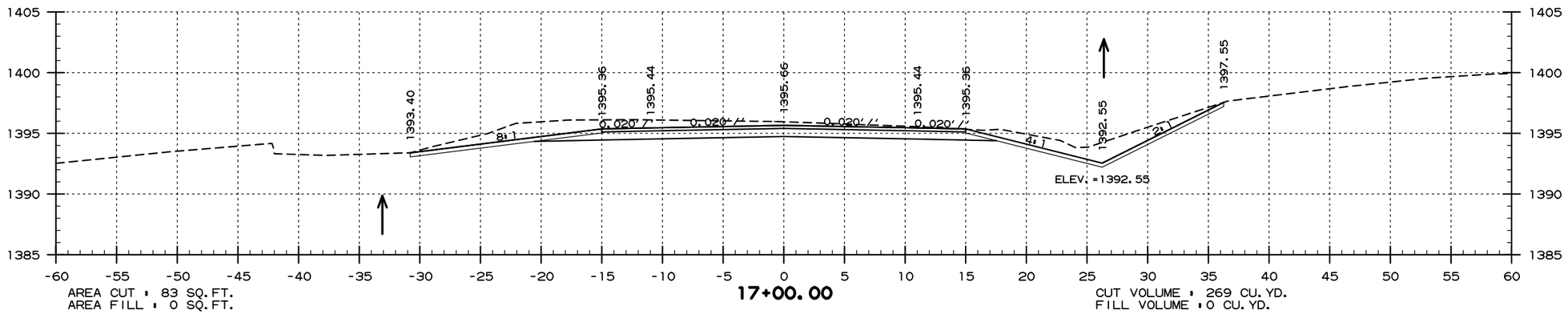
CUT VOLUME : 164 CU.YD.
FILL VOLUME : 1 CU.YD.




AREA CUT : 118 SQ.FT.
AREA FILL : 0 SQ.FT.

**18+00.00**

CUT VOLUME : 372 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 83 SQ.FT.
AREA FILL : 0 SQ.FT.

**17+00.00**

CUT VOLUME : 269 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 2**
**PARK ENTRANCE ROAD**
**STA. 17+00 TO STA. 18+48**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
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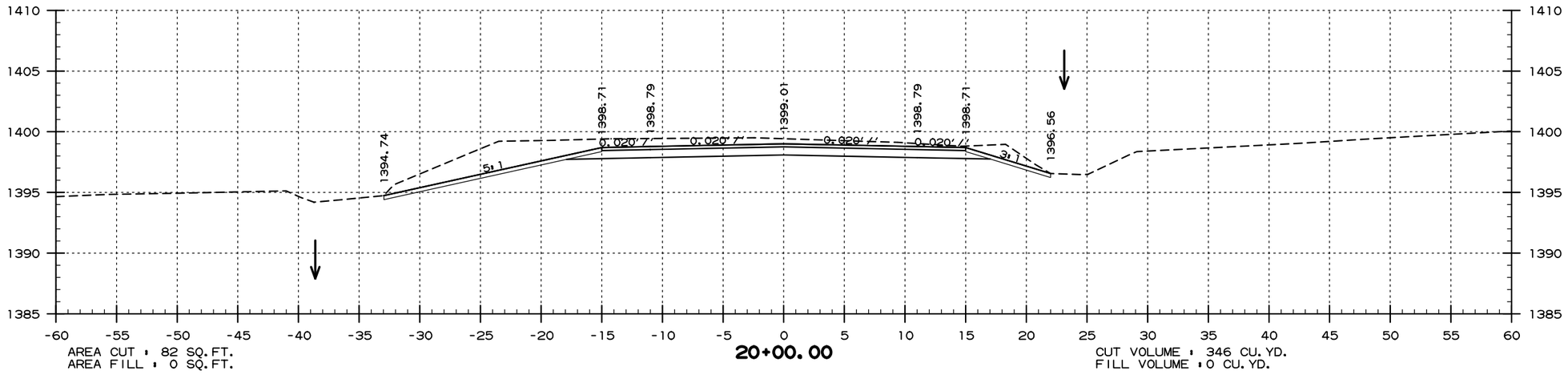
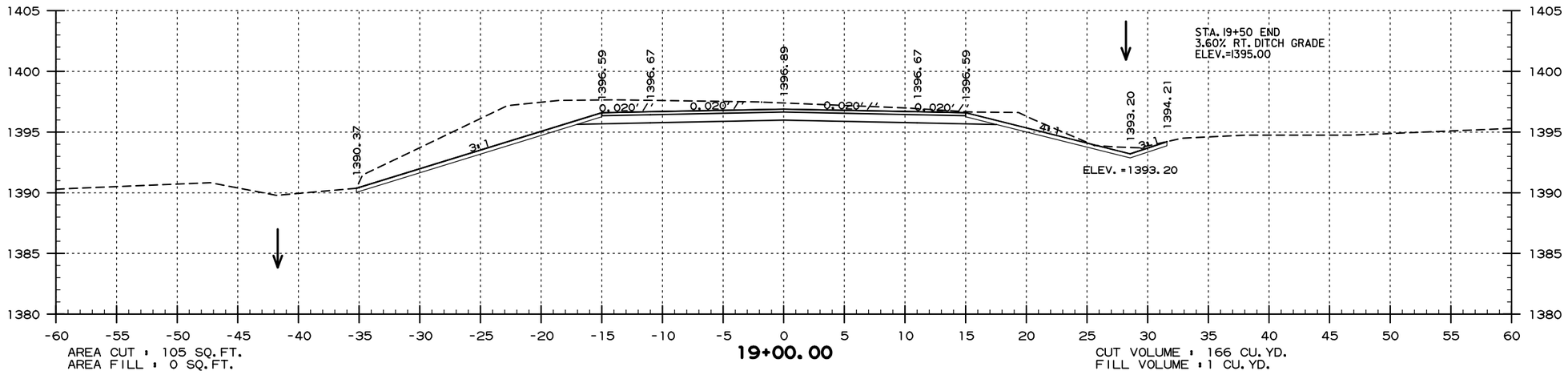
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 117 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




USER: fe513
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PLOTTED: 9/8/2020 09:58
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**SITE 2**
**PARK ENTRANCE ROAD**
**STA. 19+00 TO STA. 20+00**

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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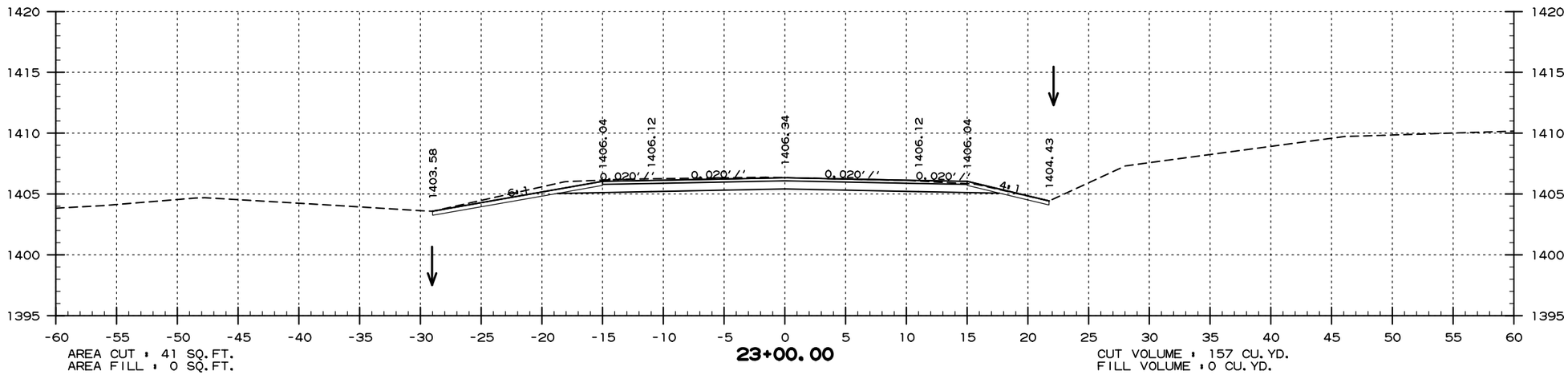
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 118 | 151 |

(2) CROSS SECTIONS

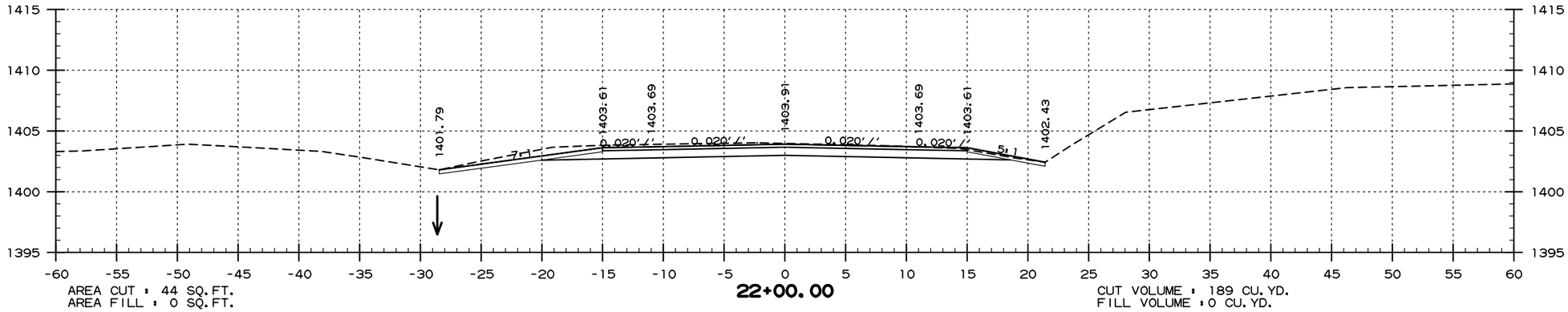
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 41 SQ.FT.
AREA FILL = 0 SQ.FT.

**23+00.00**

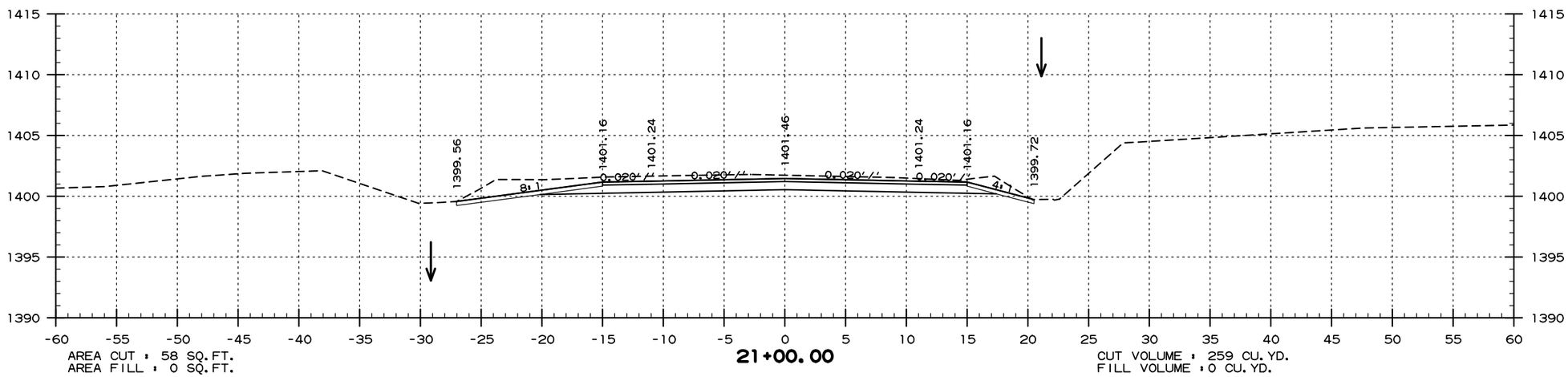
CUT VOLUME = 157 CU.YD.
FILL VOLUME = 0 CU.YD.




AREA CUT = 44 SQ.FT.
AREA FILL = 0 SQ.FT.

**22+00.00**

CUT VOLUME = 189 CU.YD.
FILL VOLUME = 0 CU.YD.




AREA CUT = 58 SQ.FT.
AREA FILL = 0 SQ.FT.

**21+00.00**

CUT VOLUME = 259 CU.YD.
FILL VOLUME = 0 CU.YD.

**SITE 2**
**PARK ENTRANCE ROAD**
**STA. 21+00 TO STA. 23+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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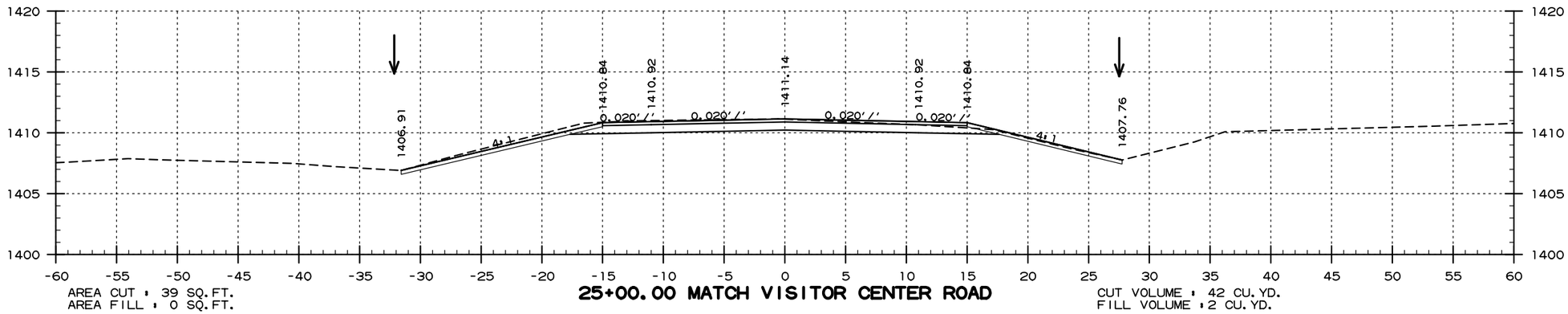
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 119 | 151 |
| (2) | CROSS SECTIONS | | | |

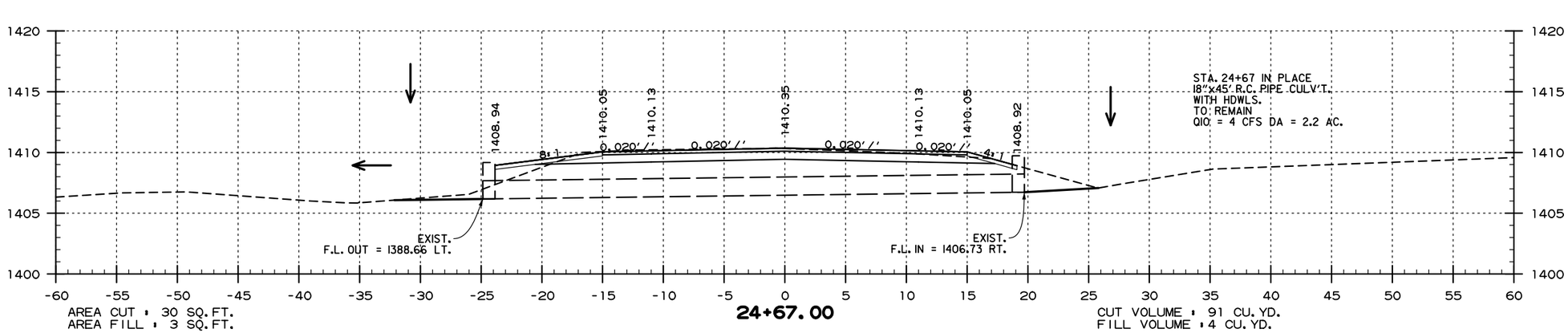
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 39 SQ.FT.
AREA FILL = 0 SQ.FT.

**25+00.00 MATCH VISITOR CENTER ROAD**

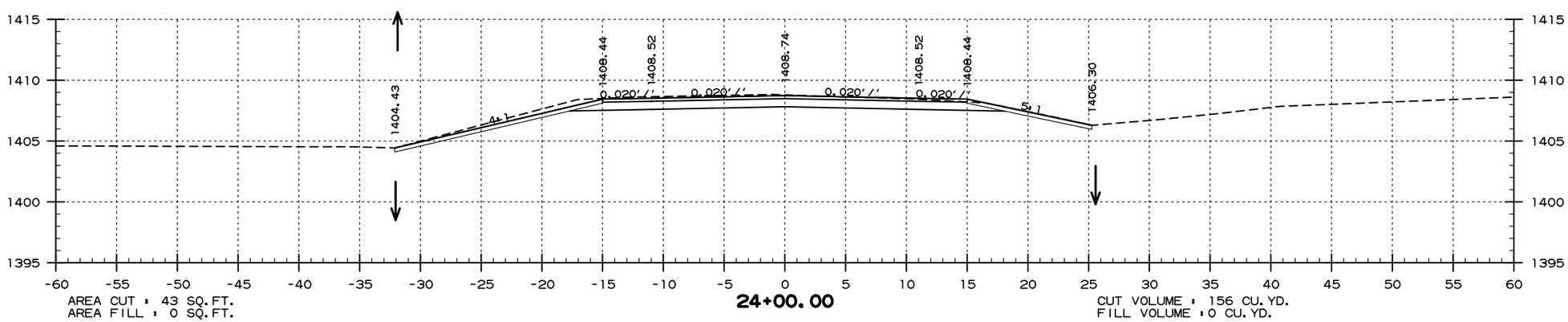
CUT VOLUME = 42 CU.YD.
FILL VOLUME = 2 CU.YD.




AREA CUT = 30 SQ.FT.
AREA FILL = 3 SQ.FT.

**24+67.00**

CUT VOLUME = 91 CU.YD.
FILL VOLUME = 4 CU.YD.




AREA CUT = 43 SQ.FT.
AREA FILL = 0 SQ.FT.

**24+00.00**

CUT VOLUME = 156 CU.YD.
FILL VOLUME = 0 CU.YD.

# SITE 2
# PARK ENTRANCE ROAD
# STA. 24+00 TO STA. 25+00

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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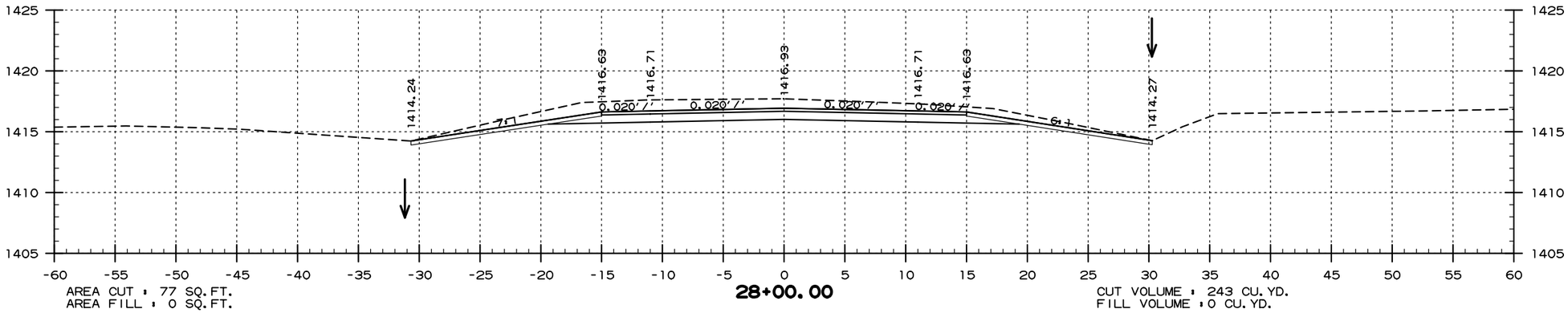
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | I20 | I5I |
| (2) | CROSS SECTIONS | | | |

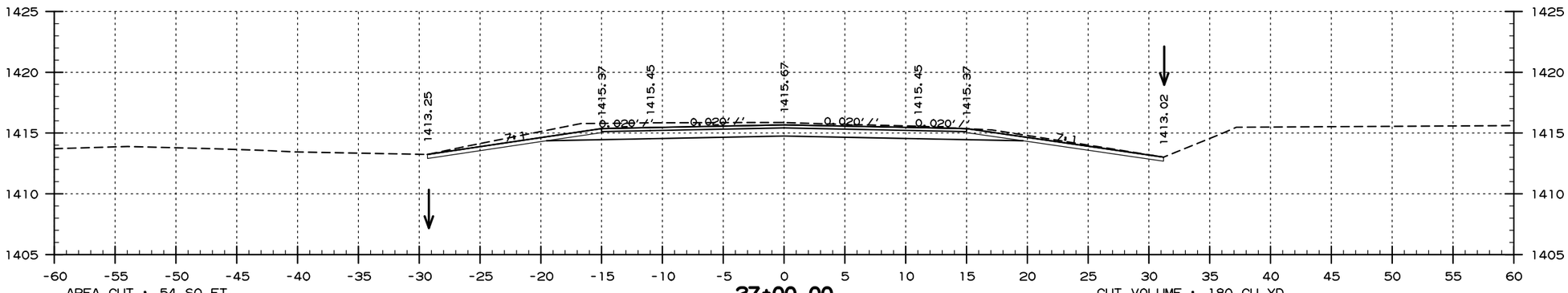
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 77 SQ.FT.
AREA FILL : 0 SQ.FT.

**28+00.00**

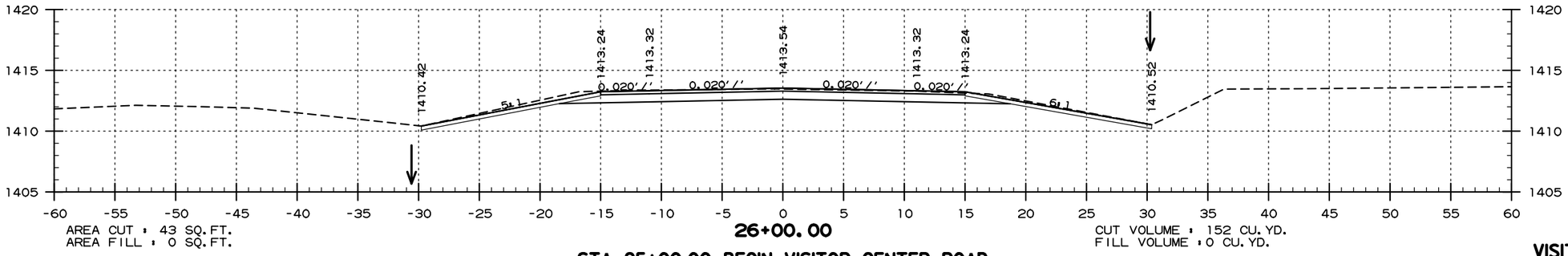
CUT VOLUME : 243 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 54 SQ.FT.
AREA FILL : 0 SQ.FT.

**27+00.00**

CUT VOLUME : 180 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 43 SQ.FT.
AREA FILL : 0 SQ.FT.

**26+00.00**

CUT VOLUME : 152 CU.YD.
FILL VOLUME : 0 CU.YD.

**STA. 25+00.00 BEGIN VISITOR CENTER ROAD**

**SITE 3**
**VISITOR CENTER ENTRANCE ROAD**
**STA. 26+00 TO STA. 28+00**

USER: fs5I3
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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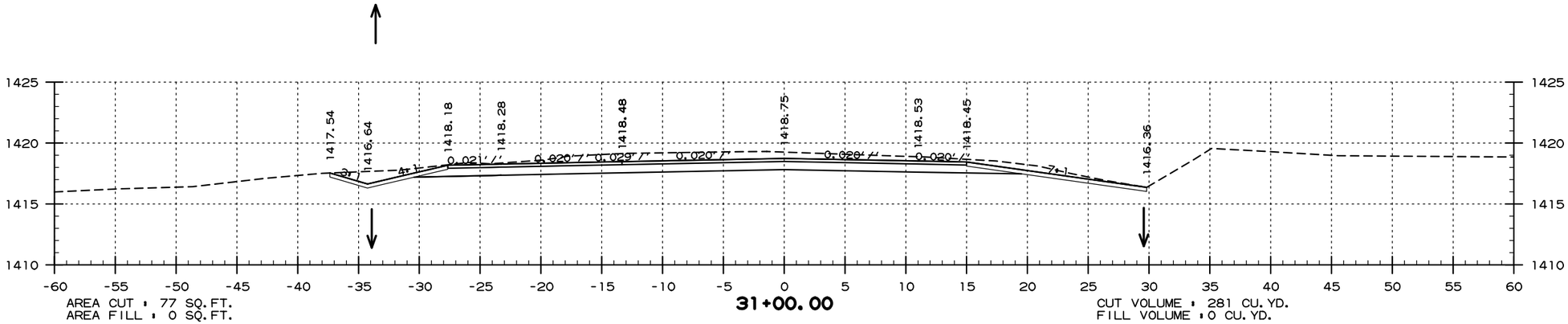
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 121 | 151 |
| (2) | CROSS SECTIONS | | | |

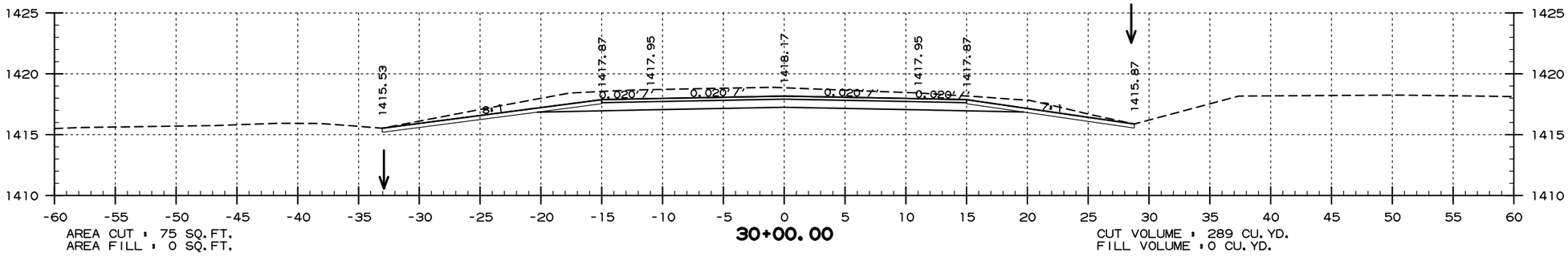
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 77 SQ.FT.
AREA FILL = 0 SQ.FT.

**31+00.00**

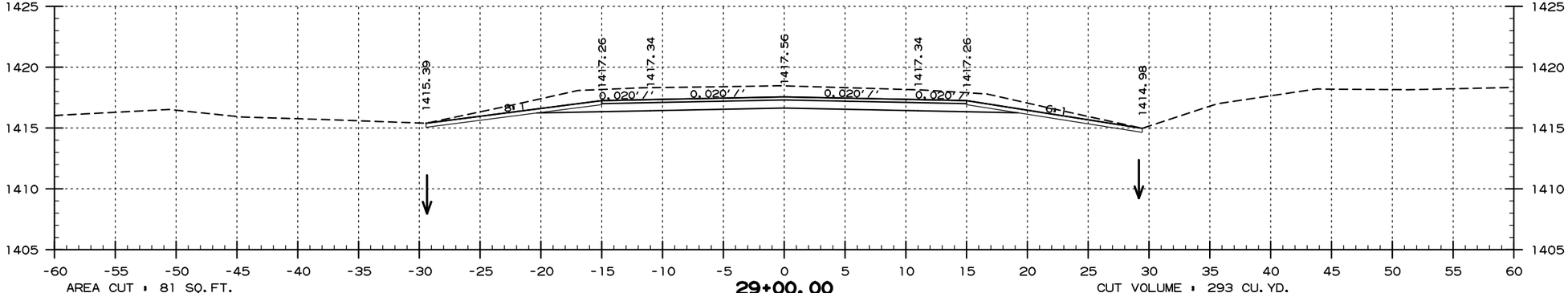
CUT VOLUME = 281 CU.YD.
FILL VOLUME = 0 CU.YD.




AREA CUT = 75 SQ.FT.
AREA FILL = 0 SQ.FT.

**30+00.00**

CUT VOLUME = 289 CU.YD.
FILL VOLUME = 0 CU.YD.




AREA CUT = 81 SQ.FT.
AREA FILL = 0 SQ.FT.

**29+00.00**

CUT VOLUME = 293 CU.YD.
FILL VOLUME = 0 CU.YD.

# SITE 3
# VISITOR CENTER ENTRANCE ROAD
# STA. 29+00 TO STA. 31+00

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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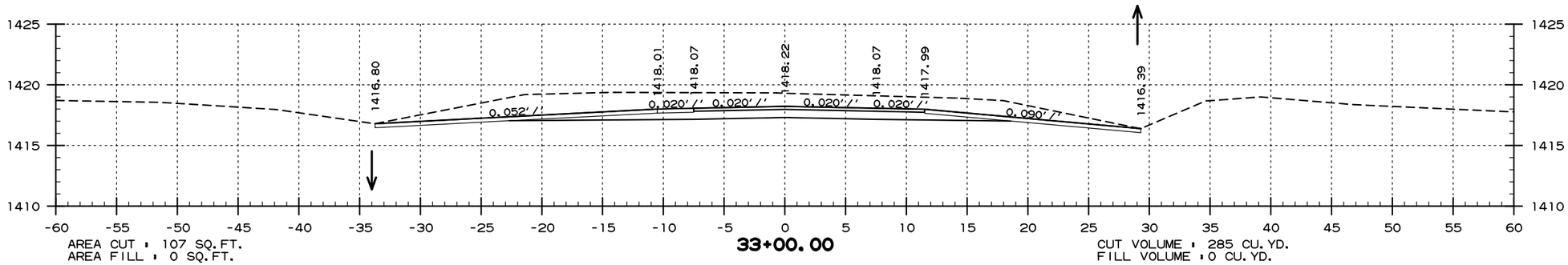
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | I22 | I5I |

(2) CROSS SECTIONS

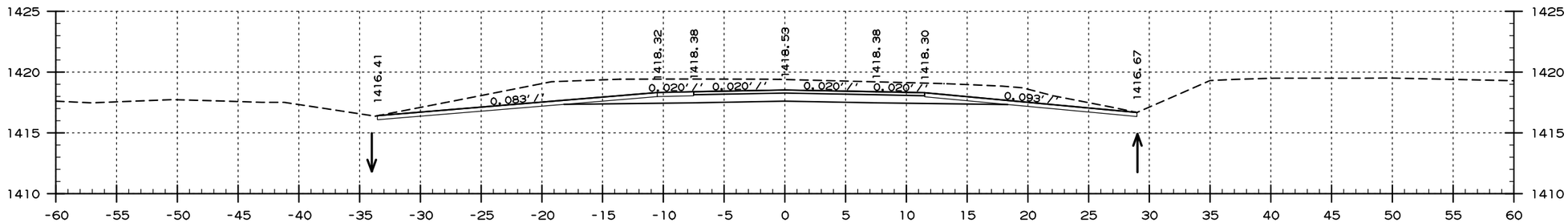
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 107 SQ.FT.
AREA FILL : 0 SQ.FT.

**33+00.00**

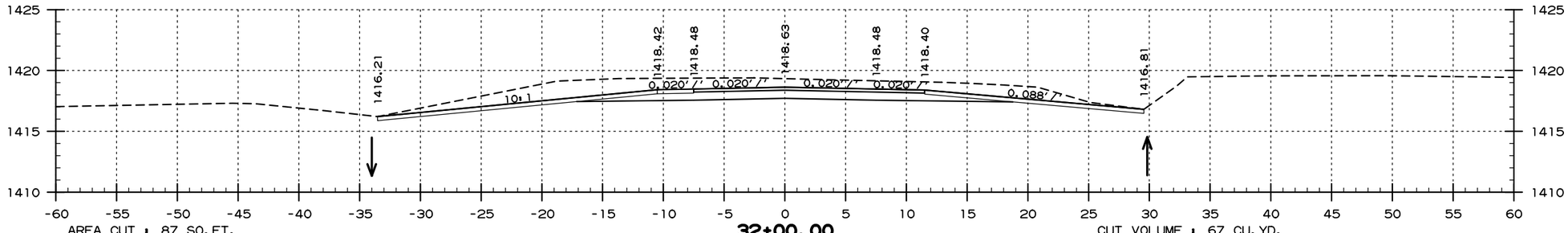
CUT VOLUME : 285 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 94 SQ.FT.
AREA FILL : 0 SQ.FT.

**32+23.54**

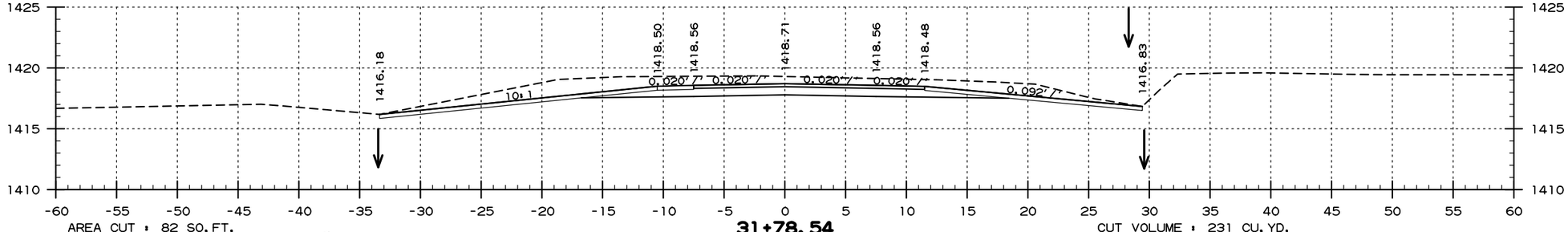
CUT VOLUME : 79 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 87 SQ.FT.
AREA FILL : 0 SQ.FT.

**32+00.00**

CUT VOLUME : 67 CU.YD.
FILL VOLUME : 0 CU.YD.




AREA CUT : 82 SQ.FT.
AREA FILL : 0 SQ.FT.

**31+78.54**

CUT VOLUME : 231 CU.YD.
FILL VOLUME : 0 CU.YD.

**SITE 3**
**VISITOR CENTER ENTRANCE ROAD**
**STA. 31+79 TO STA. 33+00**

USER: fs5I3
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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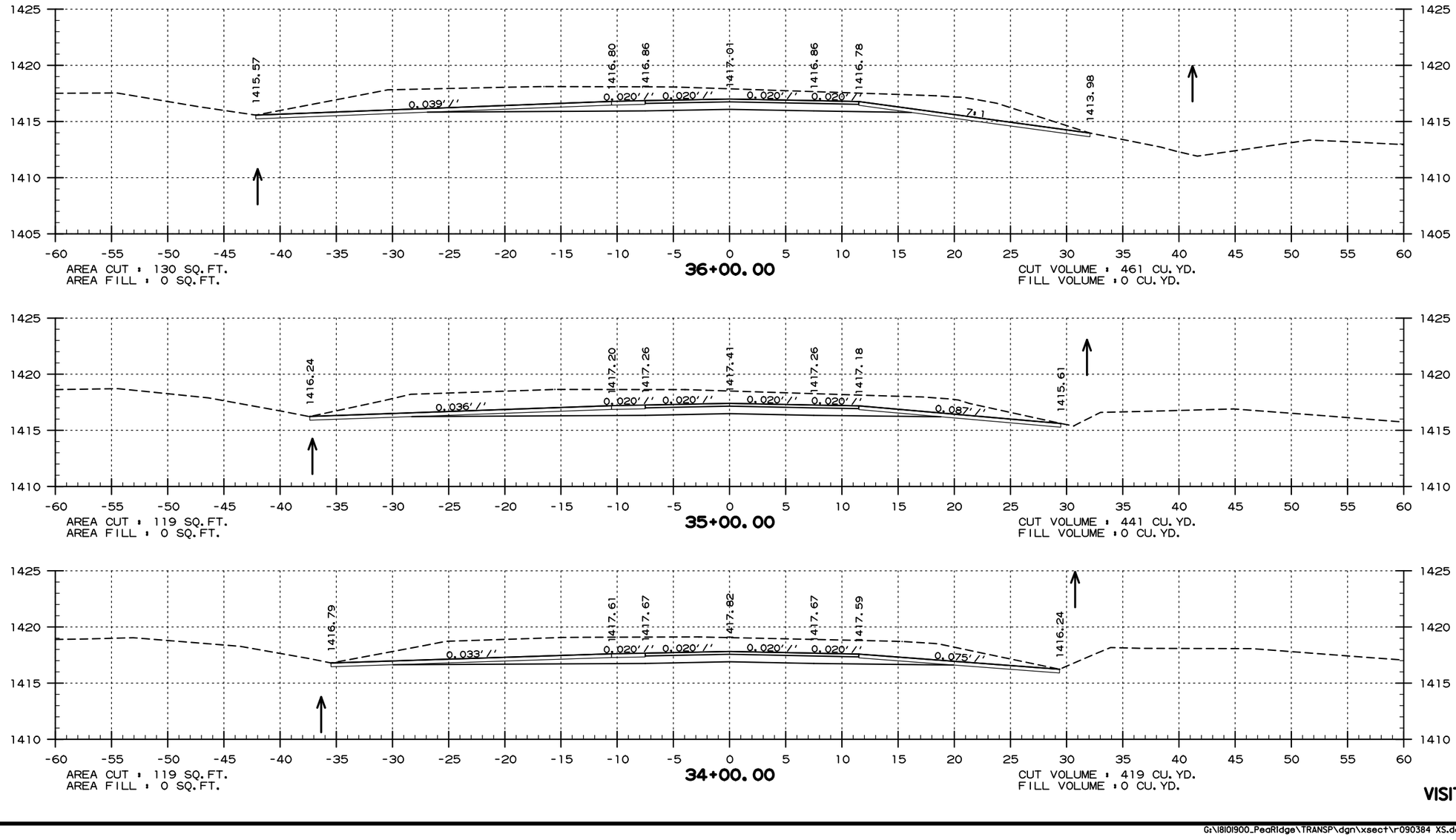
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | I23 | I5I |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




AREA CUT : 130 SQ.FT.
AREA FILL : 0 SQ.FT.

**36+00.00**

CUT VOLUME : 461 CU.YD.
FILL VOLUME : 0 CU.YD.

AREA CUT : 119 SQ.FT.
AREA FILL : 0 SQ.FT.

**35+00.00**

CUT VOLUME : 441 CU.YD.
FILL VOLUME : 0 CU.YD.

AREA CUT : 119 SQ.FT.
AREA FILL : 0 SQ.FT.

**34+00.00**

CUT VOLUME : 419 CU.YD.
FILL VOLUME : 0 CU.YD.

# SITE 3
# VISITOR CENTER ENTRANCE ROAD
# STA. 34+00 TO STA. 36+00

USER: fs5I3
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn SCALE: 1in0
PLOTTED: 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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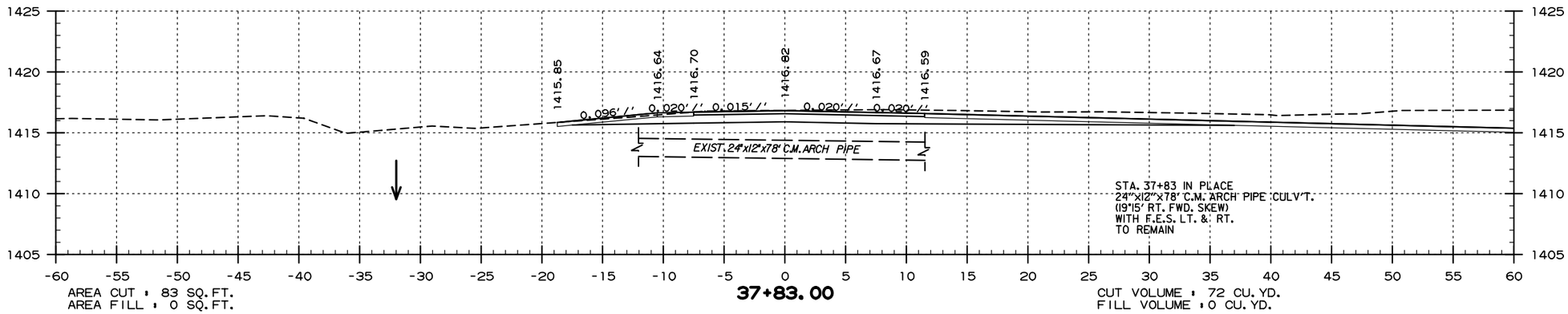
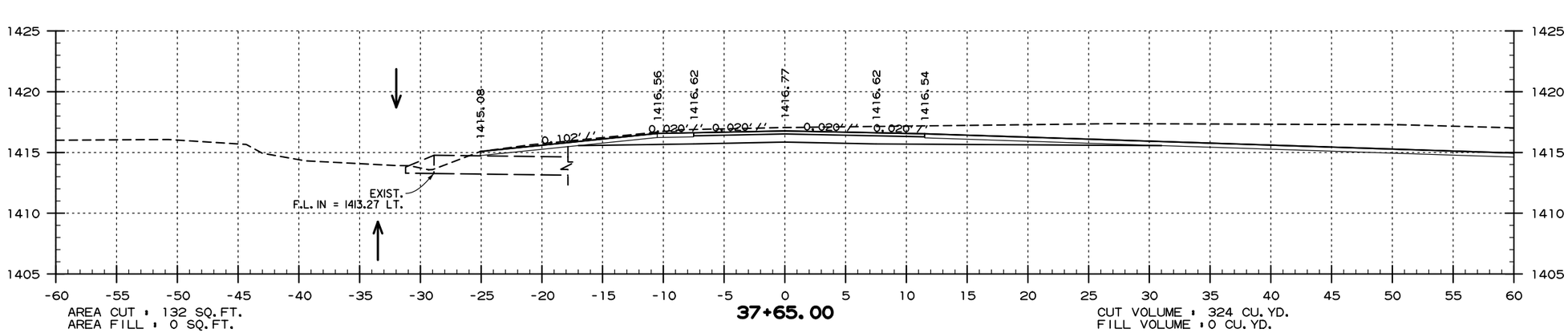
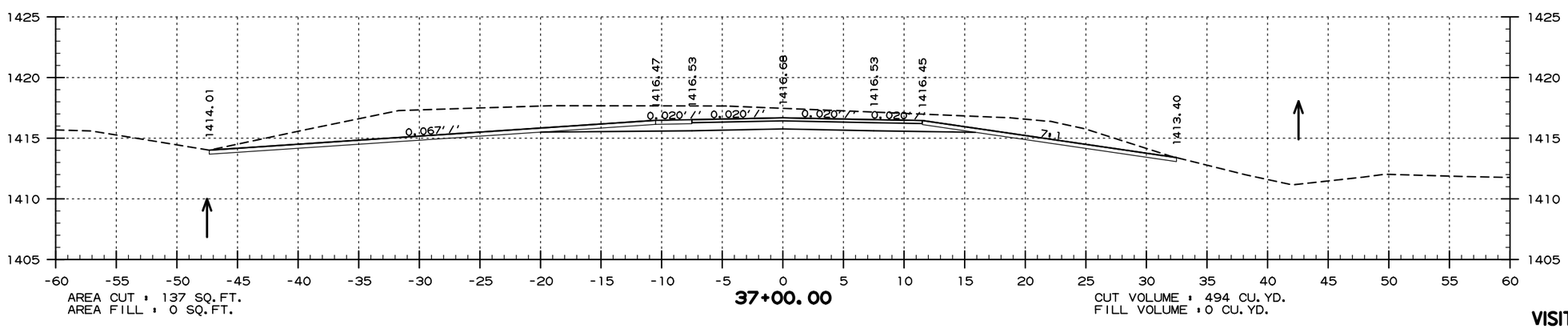
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | I24 | I5I |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




# SITE 3
# VISITOR CENTER ENTRANCE ROAD
# STA. 37+00 TO STA. 37+83

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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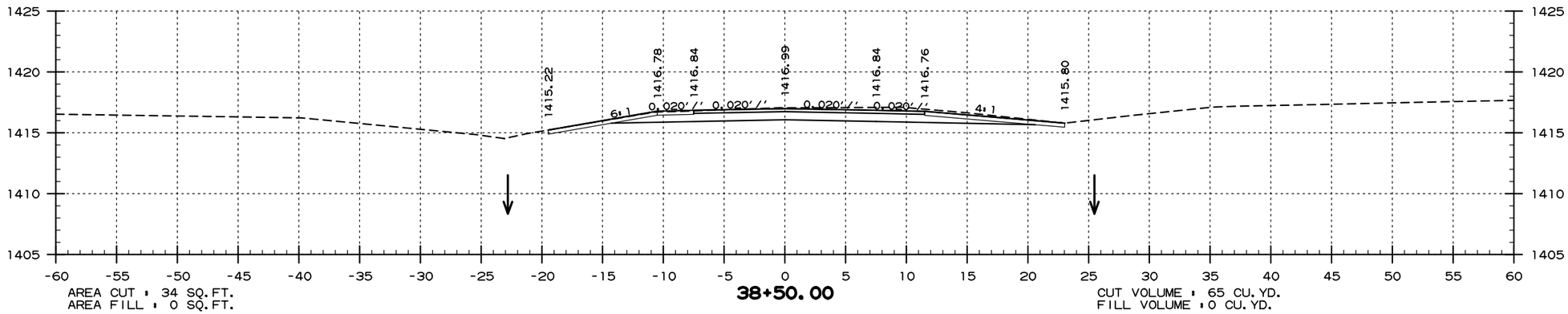
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 125 | 151 |

(2) CROSS SECTIONS

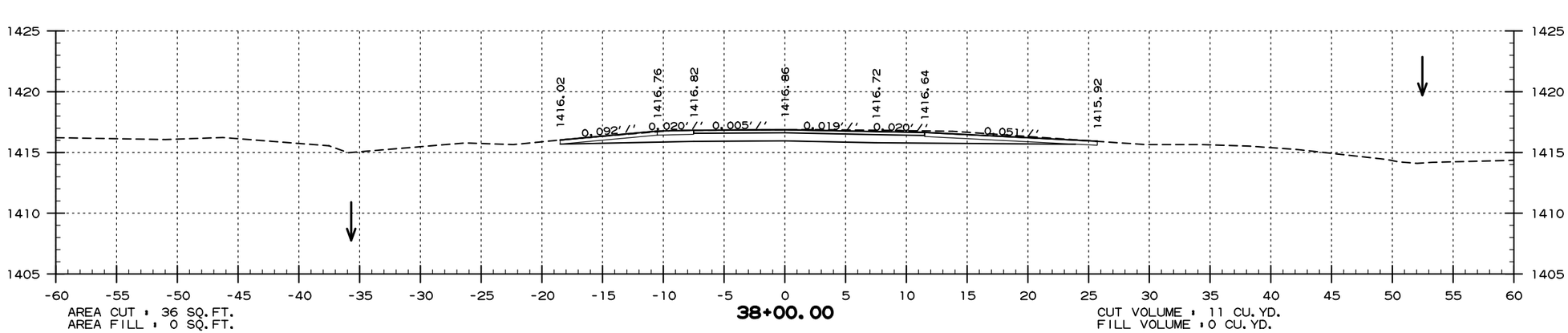
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 34 SQ.FT.
AREA FILL = 0 SQ.FT.

**38+50.00**

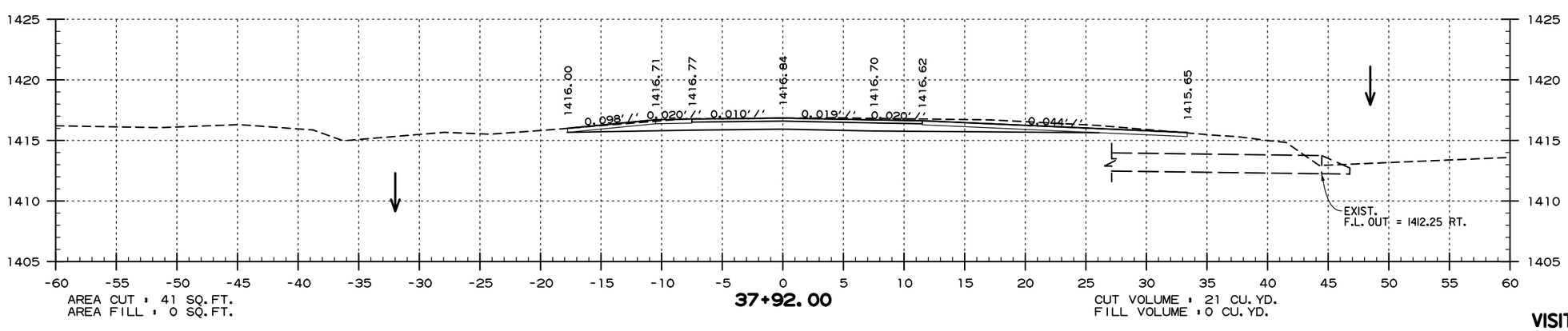
CUT VOLUME = 65 CU.YD.
FILL VOLUME = 0 CU.YD.




AREA CUT = 36 SQ.FT.
AREA FILL = 0 SQ.FT.

**38+00.00**

CUT VOLUME = 11 CU.YD.
FILL VOLUME = 0 CU.YD.




AREA CUT = 41 SQ.FT.
AREA FILL = 0 SQ.FT.

**37+92.00**

CUT VOLUME = 21 CU.YD.
FILL VOLUME = 0 CU.YD.

# SITE 3
# VISITOR CENTER ENTRANCE ROAD
# STA. 37+92 TO STA. 38+50

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:10

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
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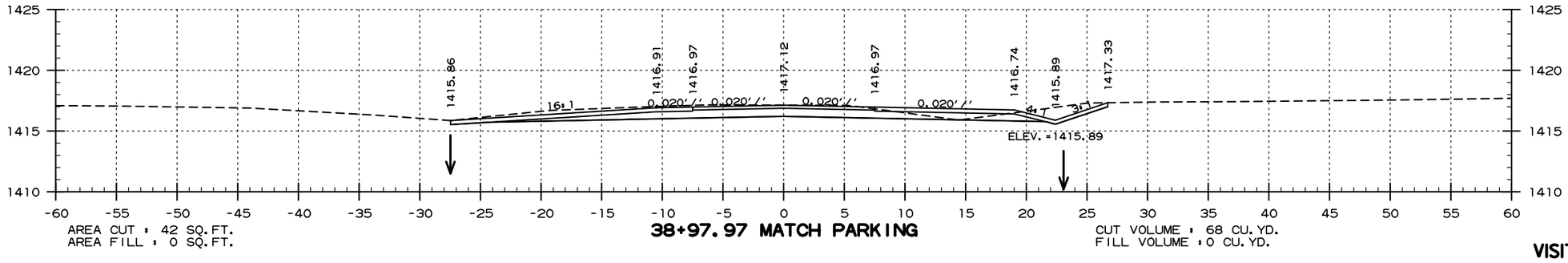
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | I26 | I5I |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




AREA CUT = 42 SQ.FT.
AREA FILL = 0 SQ.FT.

**38+97.97 MATCH PARKING**

CUT VOLUME = 68 CU.YD.
FILL VOLUME = 0 CU.YD.

**SITE 3**
**VISITOR CENTER ENTRANCE ROAD**
**STA. 38+98 TO STA. 38+98**

USER: fs5l3
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1in0

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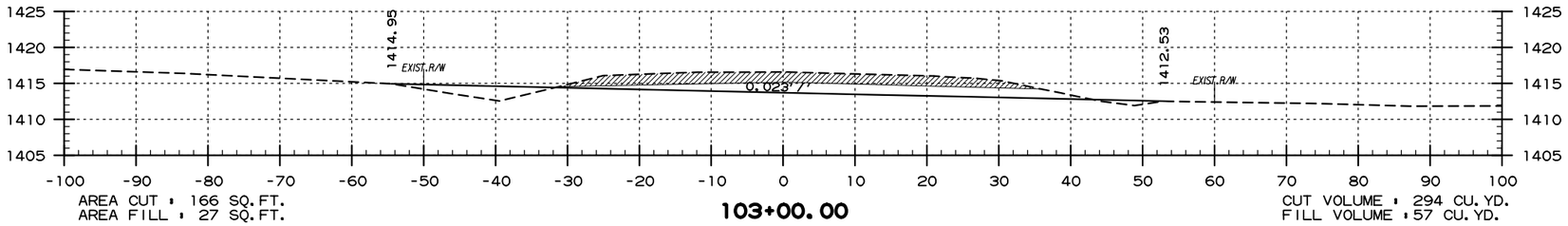
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 127 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

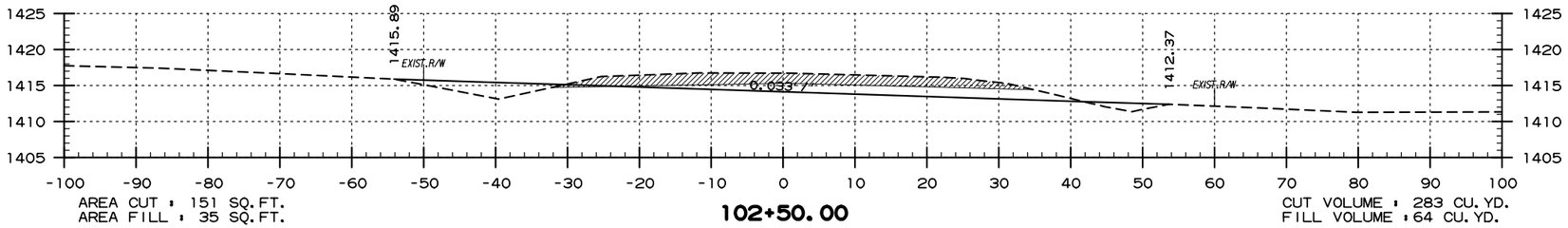
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 166 SQ.FT.
AREA FILL : 27 SQ.FT.

**103+00.00**

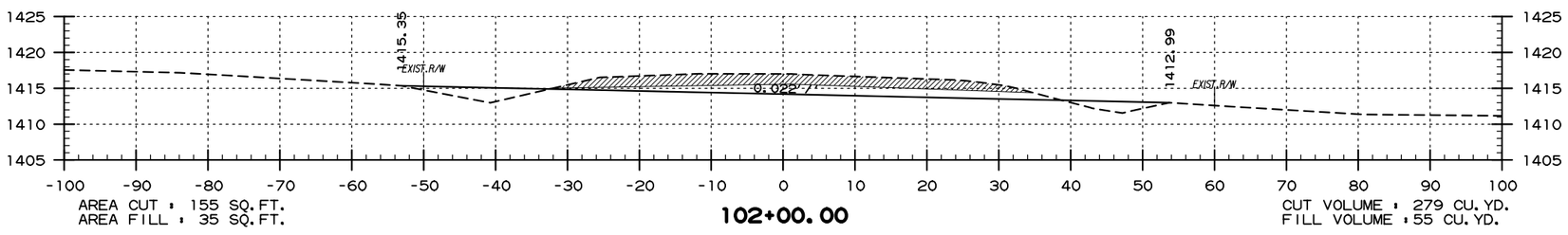
CUT VOLUME : 294 CU.YD.
FILL VOLUME : 57 CU.YD.




AREA CUT : 151 SQ.FT.
AREA FILL : 35 SQ.FT.

**102+50.00**

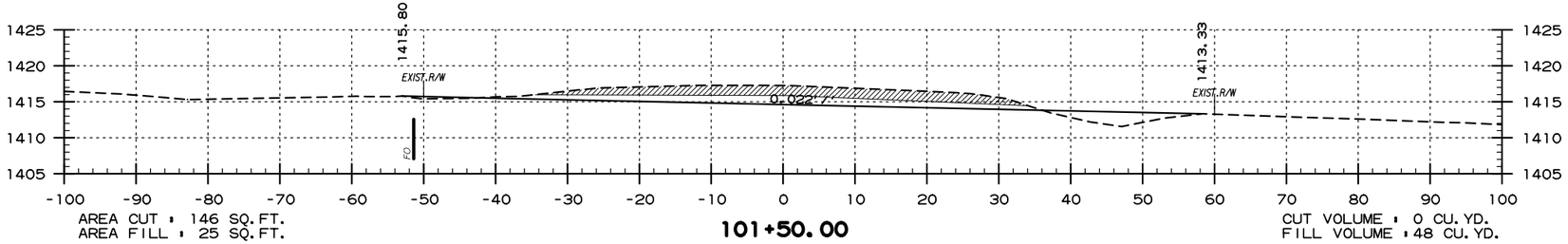
CUT VOLUME : 283 CU.YD.
FILL VOLUME : 64 CU.YD.




AREA CUT : 155 SQ.FT.
AREA FILL : 35 SQ.FT.

**102+00.00**

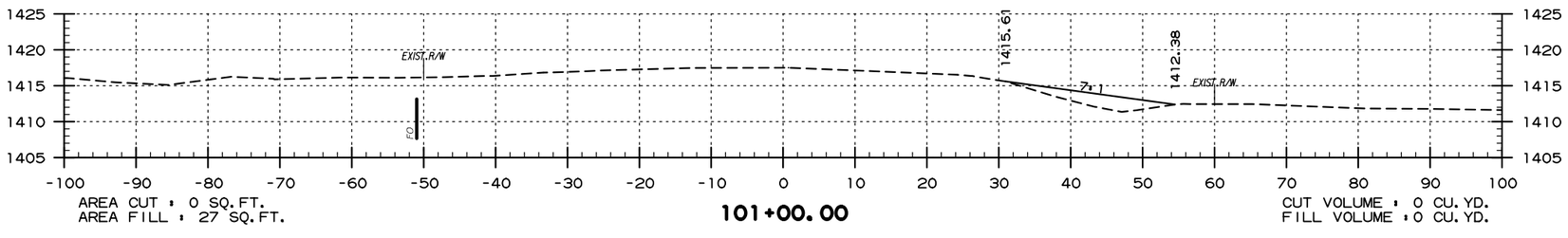
CUT VOLUME : 279 CU.YD.
FILL VOLUME : 55 CU.YD.




AREA CUT : 146 SQ.FT.
AREA FILL : 25 SQ.FT.

**101+50.00**

CUT VOLUME : 0 CU.YD.
FILL VOLUME : 48 CU.YD.




AREA CUT : 0 SQ.FT.
AREA FILL : 27 SQ.FT.

**101+00.00**

CUT VOLUME : 0 CU.YD.
FILL VOLUME : 0 CU.YD.

EXISTING PAVEMENT REMOVAL/16" UNDERCUT

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 101+00 TO STA. 103+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

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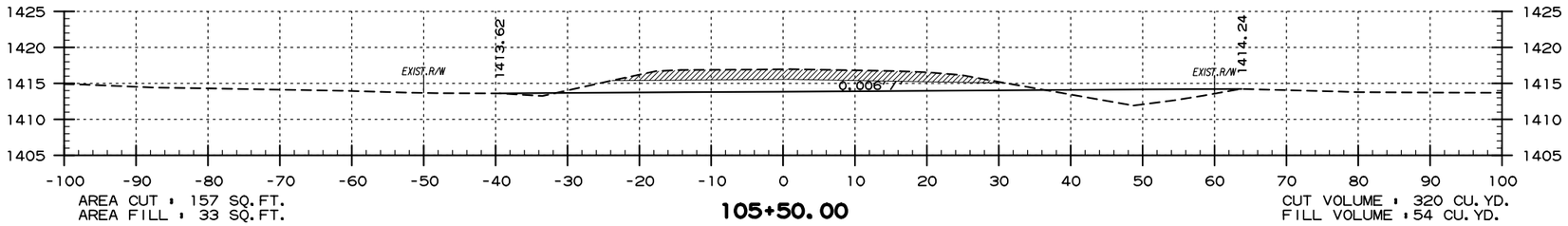
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | I28 | I5I |
| | | | | (2) | CROSS SECTIONS | | | |

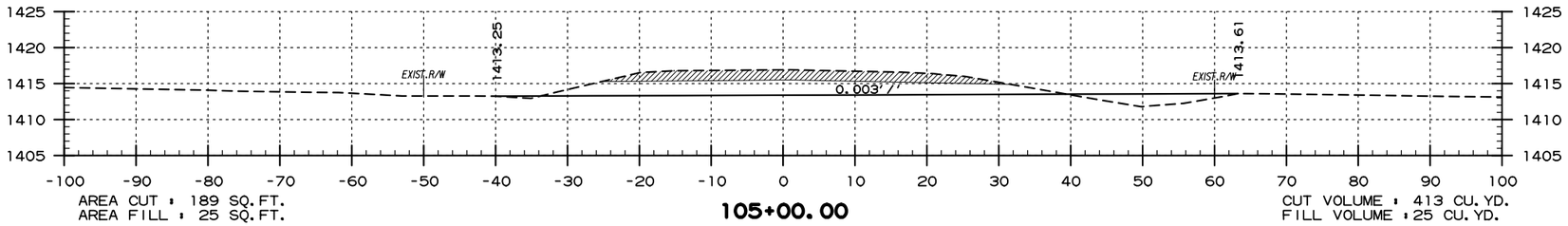
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 157 SQ.FT.
AREA FILL : 33 SQ.FT.

**105+50.00**

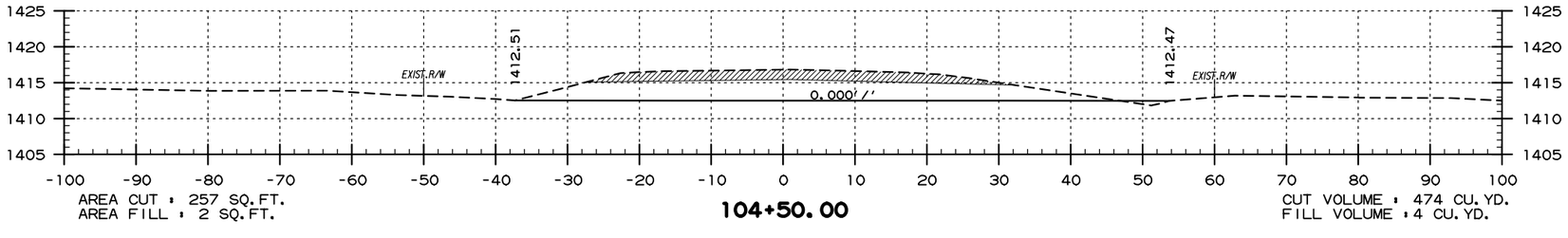
CUT VOLUME : 320 CU.YD.
FILL VOLUME : 54 CU.YD.




AREA CUT : 189 SQ.FT.
AREA FILL : 25 SQ.FT.

**105+00.00**

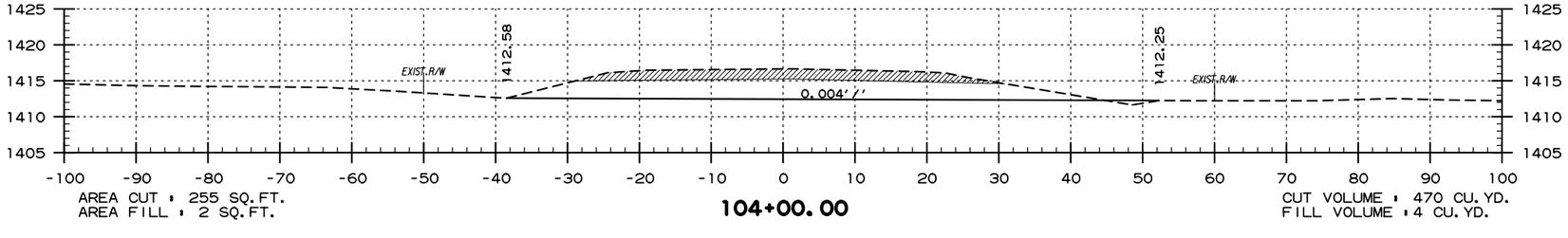
CUT VOLUME : 413 CU.YD.
FILL VOLUME : 25 CU.YD.




AREA CUT : 257 SQ.FT.
AREA FILL : 2 SQ.FT.

**104+50.00**

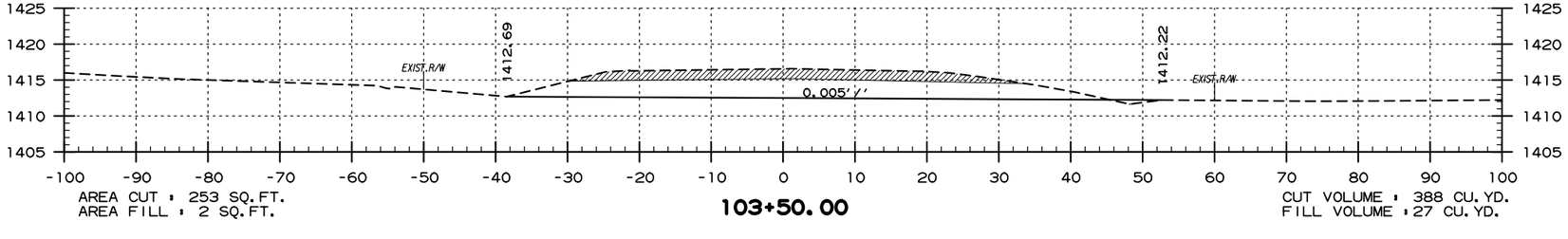
CUT VOLUME : 474 CU.YD.
FILL VOLUME : 4 CU.YD.




AREA CUT : 255 SQ.FT.
AREA FILL : 2 SQ.FT.

**104+00.00**

CUT VOLUME : 470 CU.YD.
FILL VOLUME : 4 CU.YD.




AREA CUT : 253 SQ.FT.
AREA FILL : 2 SQ.FT.

**103+50.00**

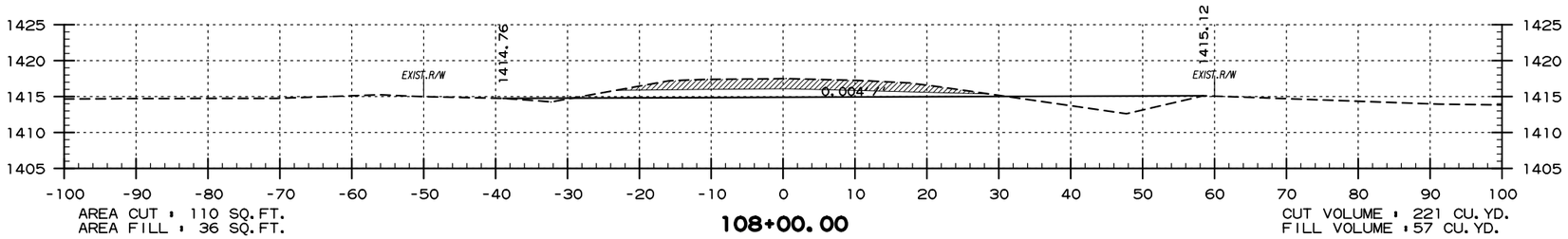
CUT VOLUME : 388 CU.YD.
FILL VOLUME : 27 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 103+50 TO STA. 105+50**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 129 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

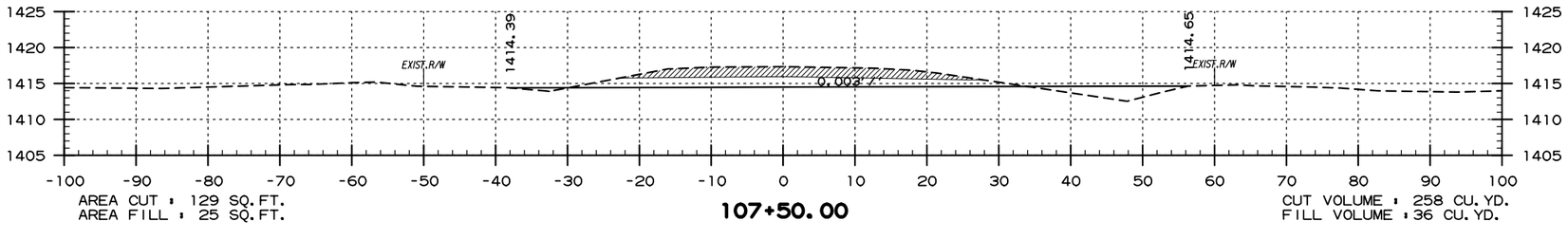
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 110 SQ.FT.
AREA FILL : 36 SQ.FT.

**108+00.00**

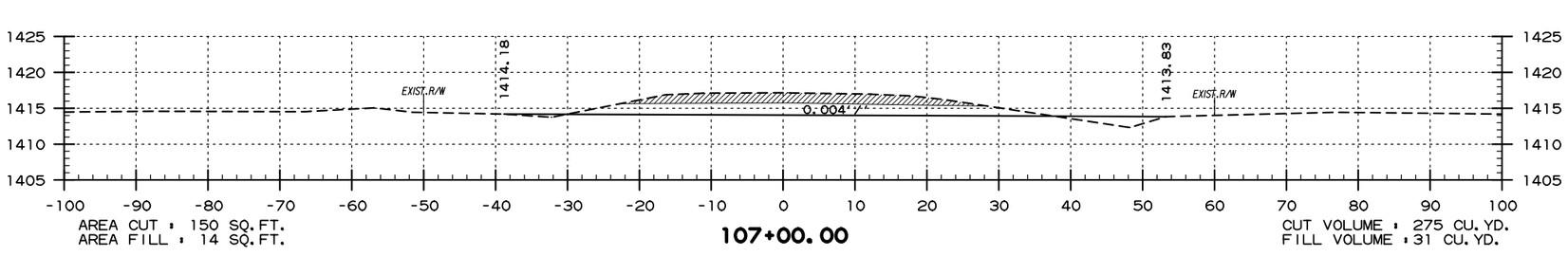
CUT VOLUME : 221 CU.YD.
FILL VOLUME : 57 CU.YD.




AREA CUT : 129 SQ.FT.
AREA FILL : 25 SQ.FT.

**107+50.00**

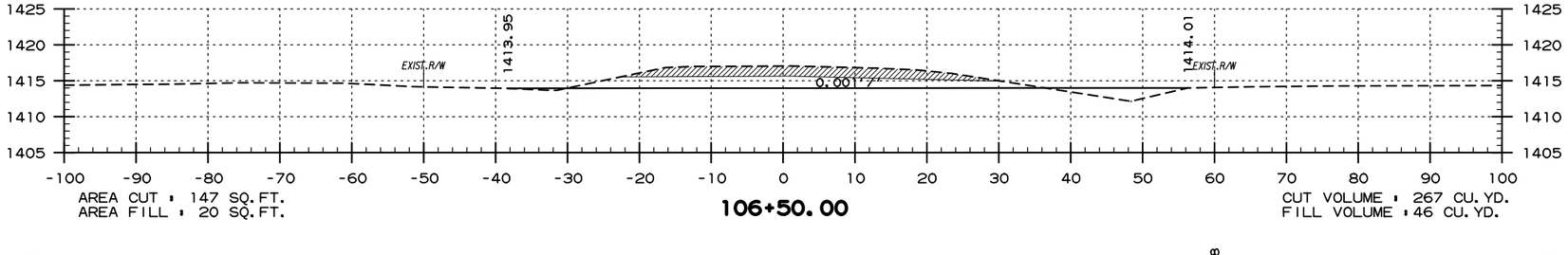
CUT VOLUME : 258 CU.YD.
FILL VOLUME : 36 CU.YD.




AREA CUT : 150 SQ.FT.
AREA FILL : 14 SQ.FT.

**107+00.00**

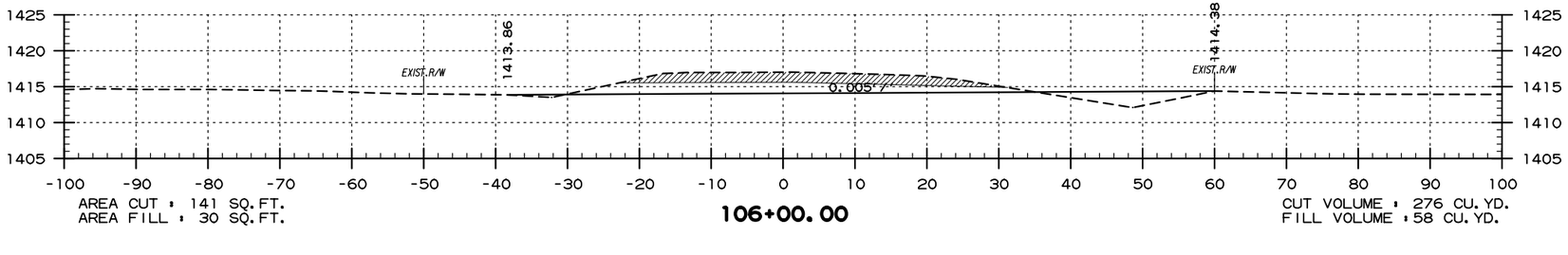
CUT VOLUME : 275 CU.YD.
FILL VOLUME : 31 CU.YD.




AREA CUT : 147 SQ.FT.
AREA FILL : 20 SQ.FT.

**106+50.00**

CUT VOLUME : 267 CU.YD.
FILL VOLUME : 46 CU.YD.




AREA CUT : 141 SQ.FT.
AREA FILL : 30 SQ.FT.

**106+00.00**

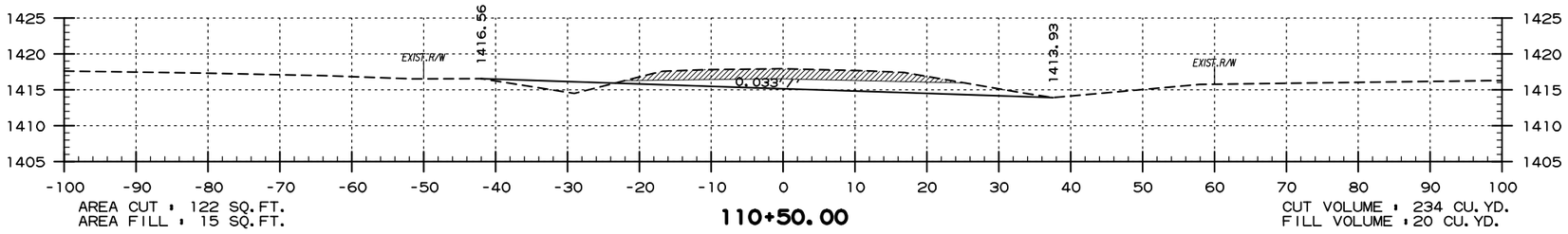
CUT VOLUME : 276 CU.YD.
FILL VOLUME : 58 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 106+00 TO STA. 108+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 130 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

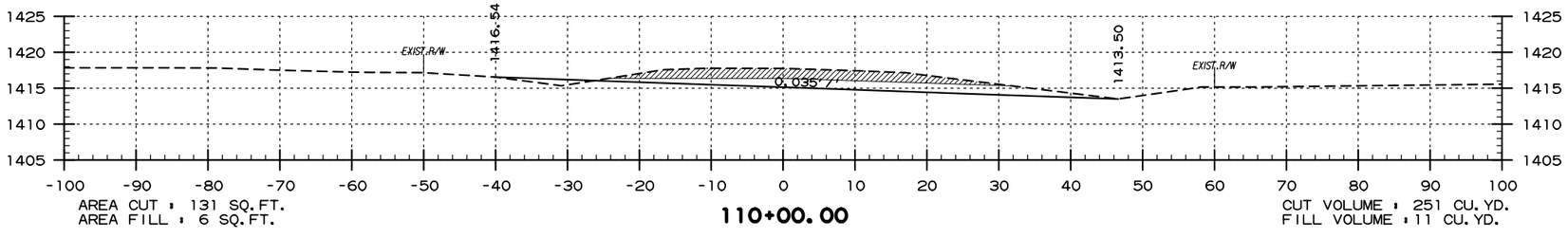
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 122 SQ.FT.
AREA FILL : 15 SQ.FT.

**110+50.00**

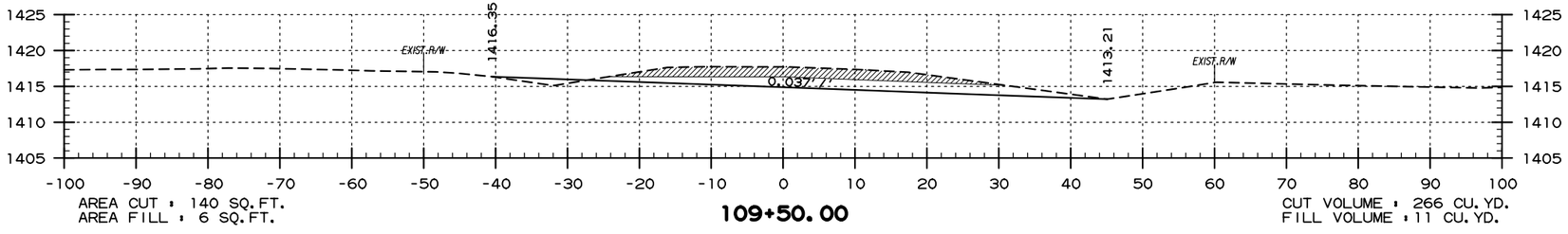
CUT VOLUME : 234 CU.YD.
FILL VOLUME : 20 CU.YD.




AREA CUT : 131 SQ.FT.
AREA FILL : 6 SQ.FT.

**110+00.00**

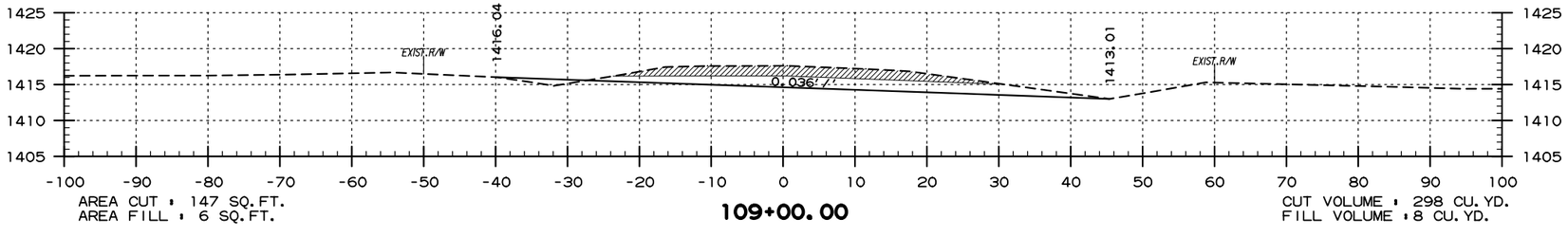
CUT VOLUME : 251 CU.YD.
FILL VOLUME : 11 CU.YD.




AREA CUT : 140 SQ.FT.
AREA FILL : 6 SQ.FT.

**109+50.00**

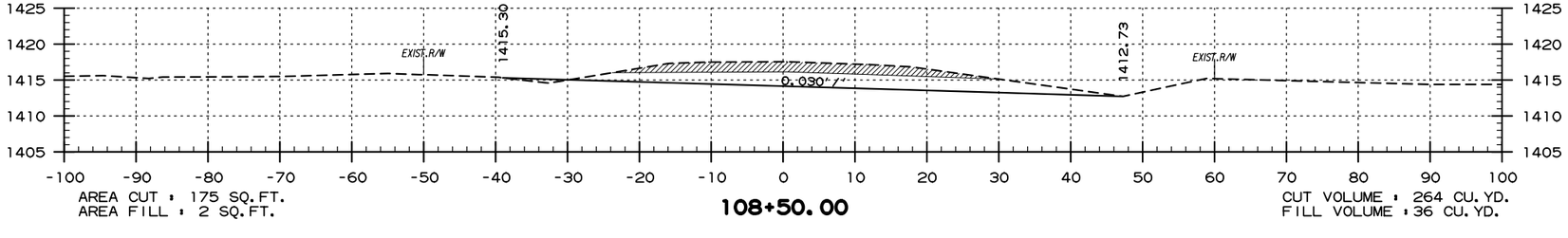
CUT VOLUME : 266 CU.YD.
FILL VOLUME : 11 CU.YD.




AREA CUT : 147 SQ.FT.
AREA FILL : 6 SQ.FT.

**109+00.00**

CUT VOLUME : 298 CU.YD.
FILL VOLUME : 8 CU.YD.




AREA CUT : 175 SQ.FT.
AREA FILL : 2 SQ.FT.

**108+50.00**

CUT VOLUME : 264 CU.YD.
FILL VOLUME : 36 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 108+50 TO STA. 110+50**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

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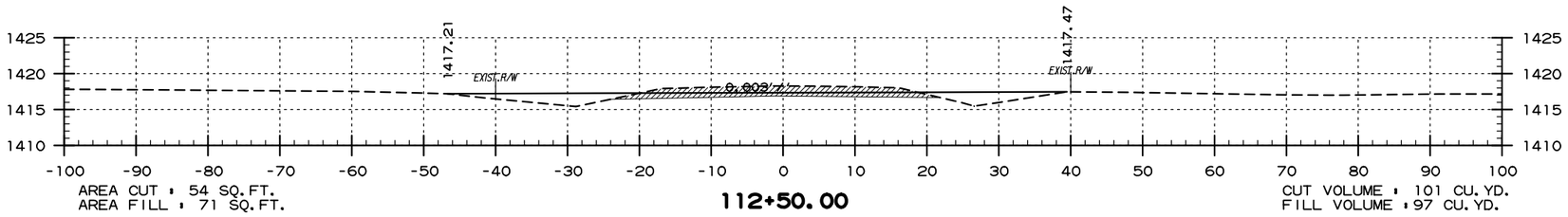
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 131 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

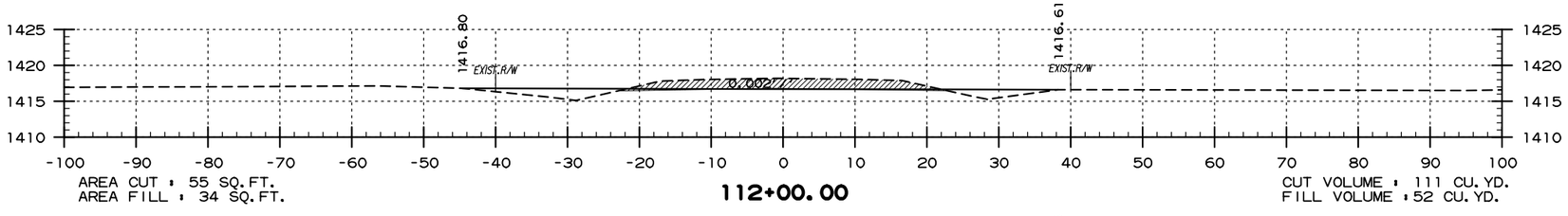
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 54 SQ.FT.
AREA FILL : 71 SQ.FT.

**112+50.00**

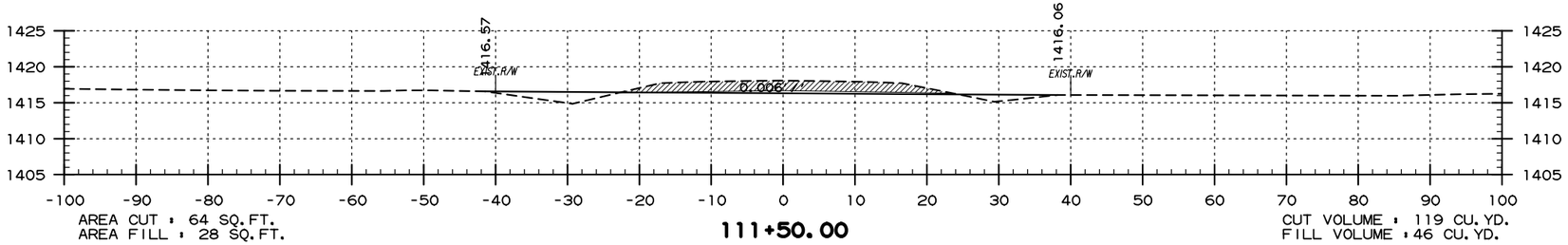
CUT VOLUME : 101 CU.YD.
FILL VOLUME : 97 CU.YD.




AREA CUT : 55 SQ.FT.
AREA FILL : 34 SQ.FT.

**112+00.00**

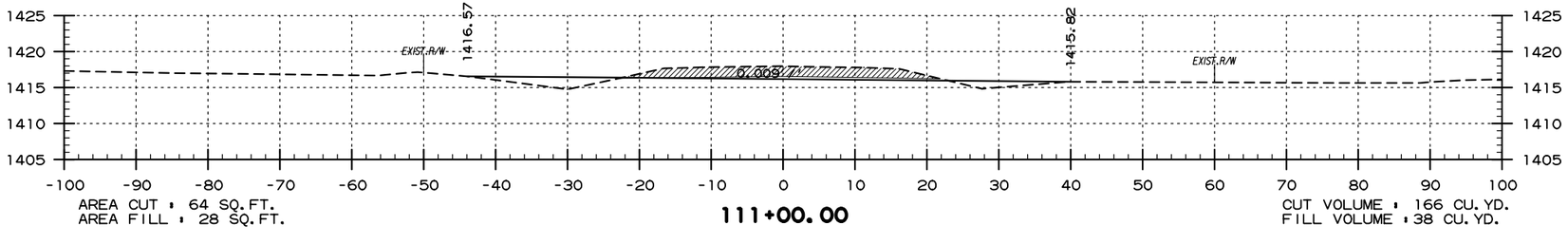
CUT VOLUME : 111 CU.YD.
FILL VOLUME : 52 CU.YD.




AREA CUT : 64 SQ.FT.
AREA FILL : 28 SQ.FT.

**111+50.00**

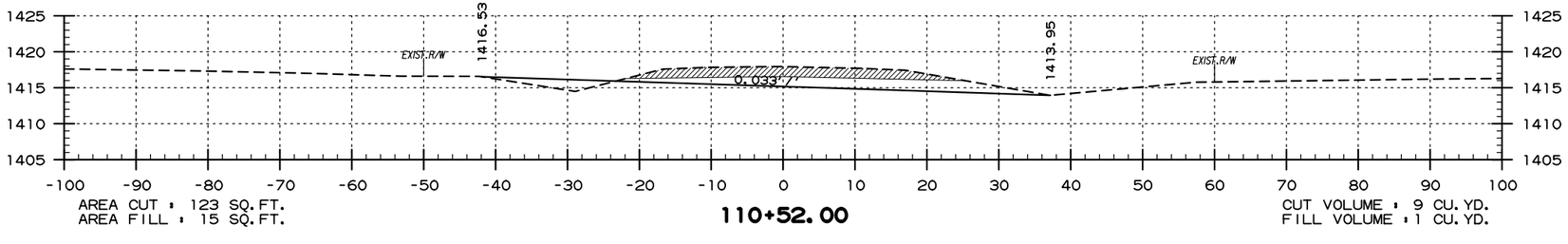
CUT VOLUME : 119 CU.YD.
FILL VOLUME : 46 CU.YD.




AREA CUT : 64 SQ.FT.
AREA FILL : 28 SQ.FT.

**111+00.00**

CUT VOLUME : 166 CU.YD.
FILL VOLUME : 38 CU.YD.




AREA CUT : 123 SQ.FT.
AREA FILL : 15 SQ.FT.

**110+52.00**

CUT VOLUME : 9 CU.YD.
FILL VOLUME : 1 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 110+52 TO STA. 112+50**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

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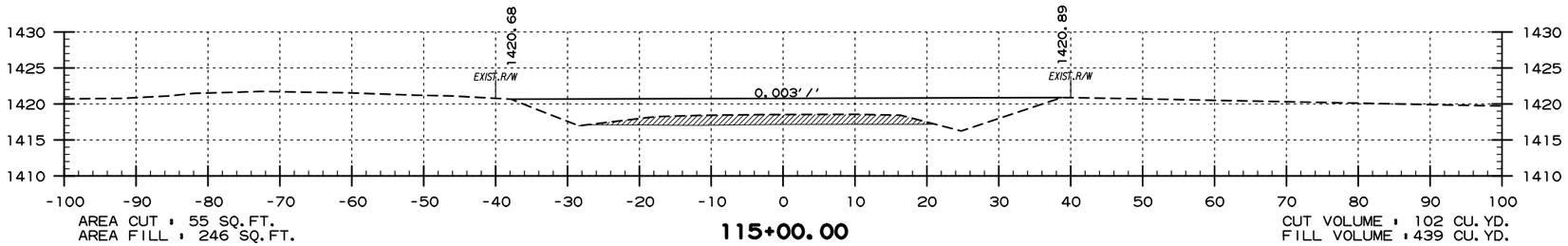
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 132 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

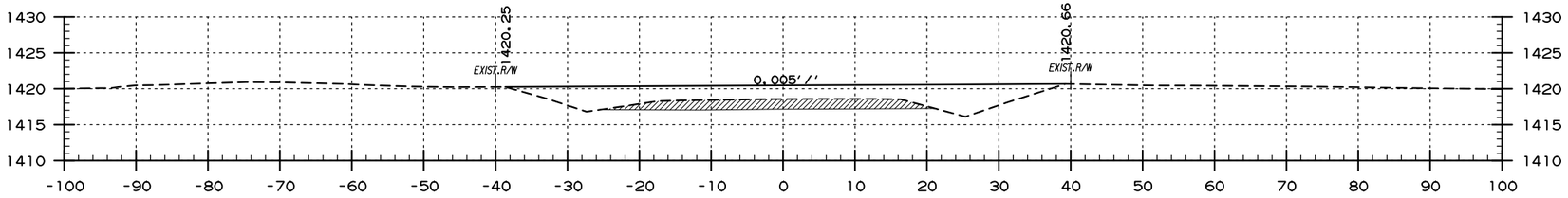
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 55 SQ.FT.
AREA FILL : 246 SQ.FT.

**115+00.00**

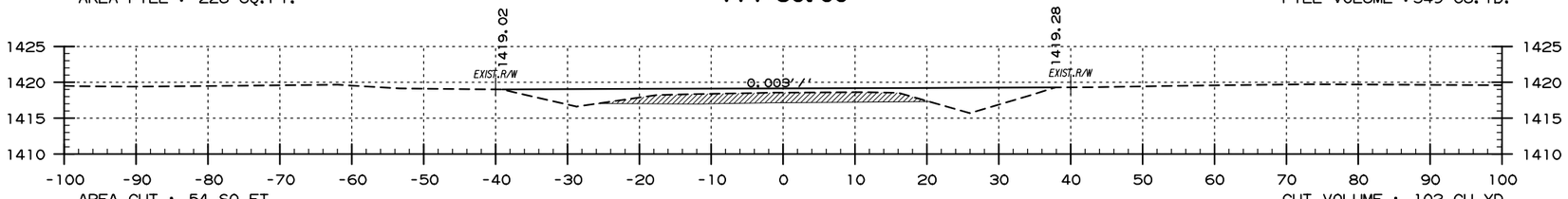
CUT VOLUME : 102 CU.YD.
FILL VOLUME : 439 CU.YD.




AREA CUT : 55 SQ.FT.
AREA FILL : 228 SQ.FT.

**114+50.00**

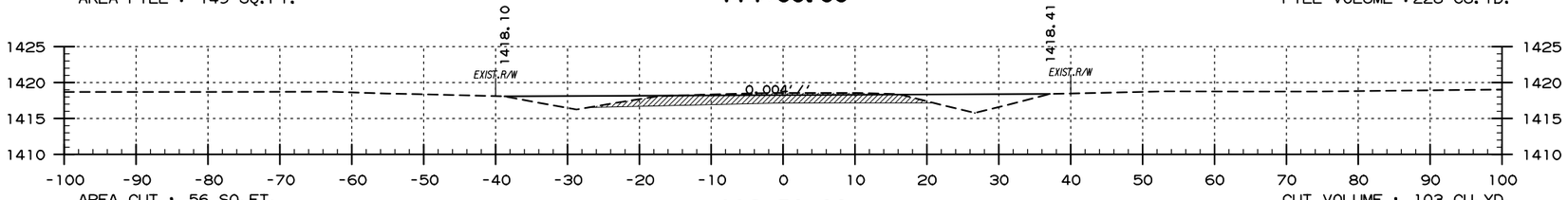
CUT VOLUME : 101 CU.YD.
FILL VOLUME : 349 CU.YD.




AREA CUT : 54 SQ.FT.
AREA FILL : 149 SQ.FT.

**114+00.00**

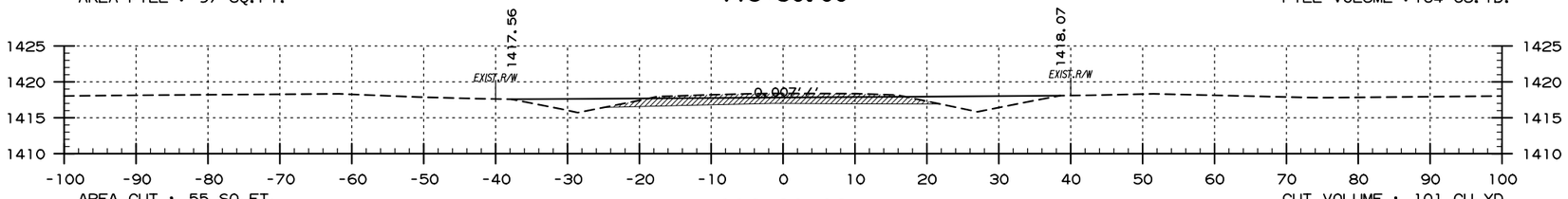
CUT VOLUME : 102 CU.YD.
FILL VOLUME : 228 CU.YD.




AREA CUT : 56 SQ.FT.
AREA FILL : 97 SQ.FT.

**113+50.00**

CUT VOLUME : 103 CU.YD.
FILL VOLUME : 164 CU.YD.




AREA CUT : 55 SQ.FT.
AREA FILL : 80 SQ.FT.

**113+00.00**

CUT VOLUME : 101 CU.YD.
FILL VOLUME : 140 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 113+00 TO STA. 115+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
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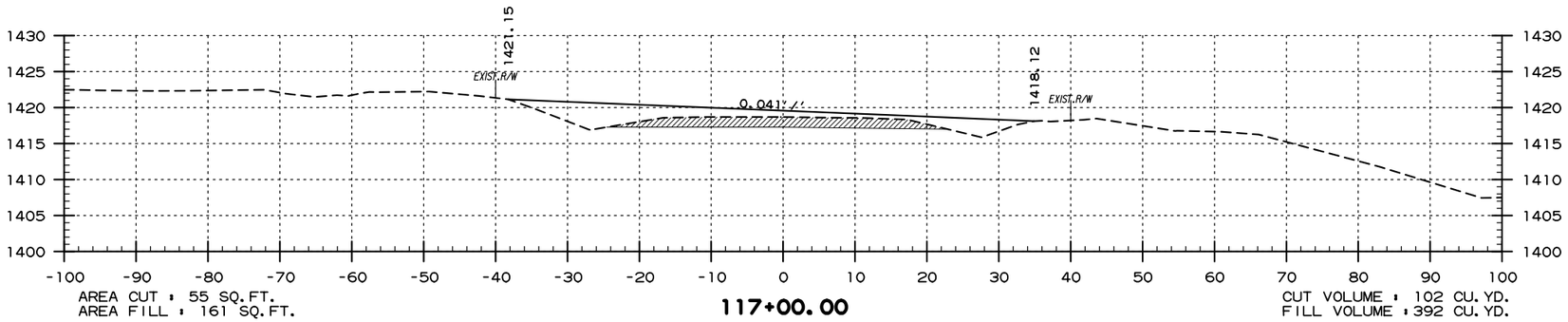
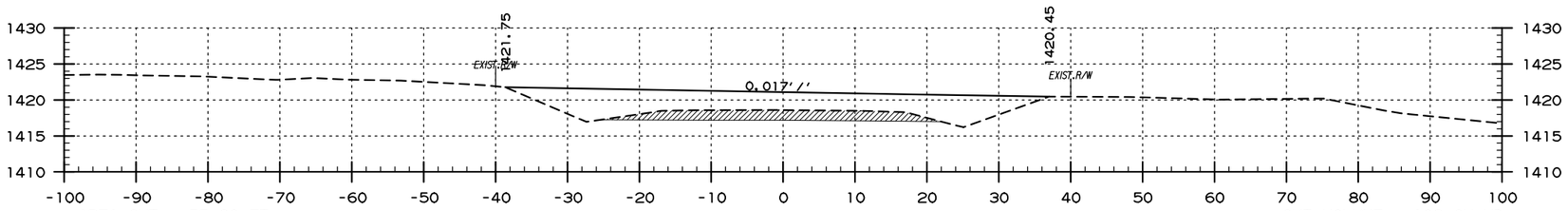
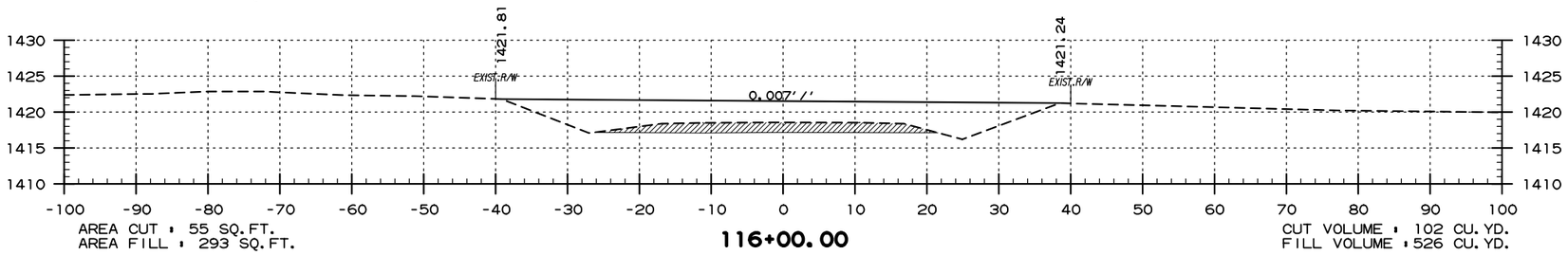
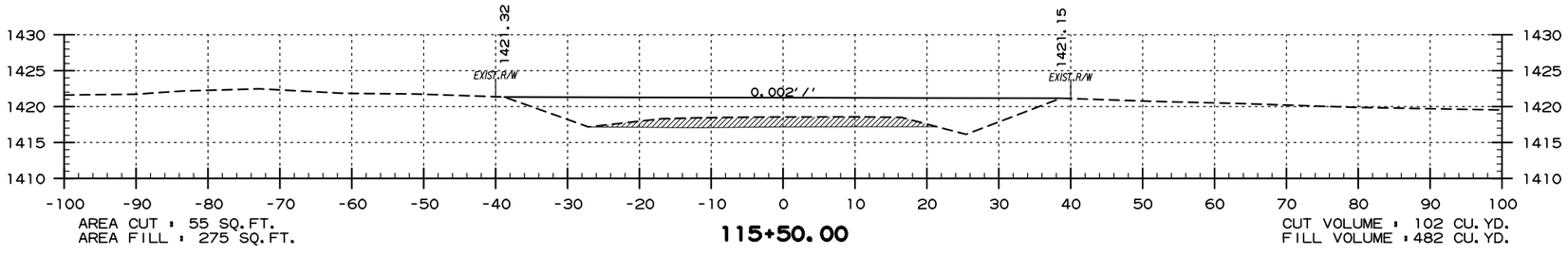
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 133 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

PERI 152541 DRAWING NO. 409/150019




**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 115+50 TO STA. 117+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
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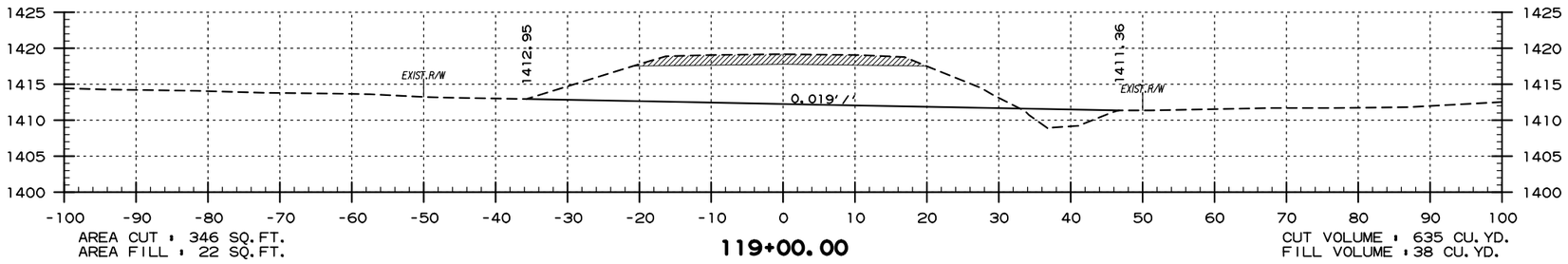
| | | | | (2) | CROSS SECTIONS | | | |

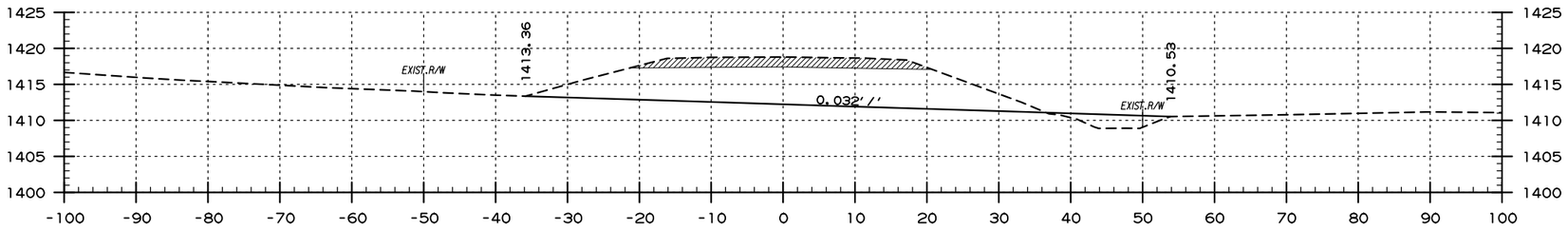
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 346 SQ.FT.
AREA FILL = 22 SQ.FT.

**119+00.00**

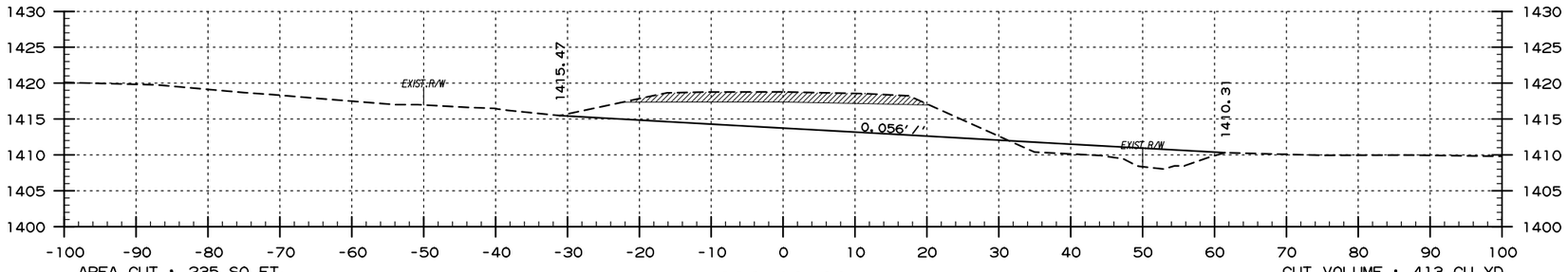
CUT VOLUME = 635 CU.YD.
FILL VOLUME = 38 CU.YD.




AREA CUT = 340 SQ.FT.
AREA FILL = 20 SQ.FT.

**118+50.00**

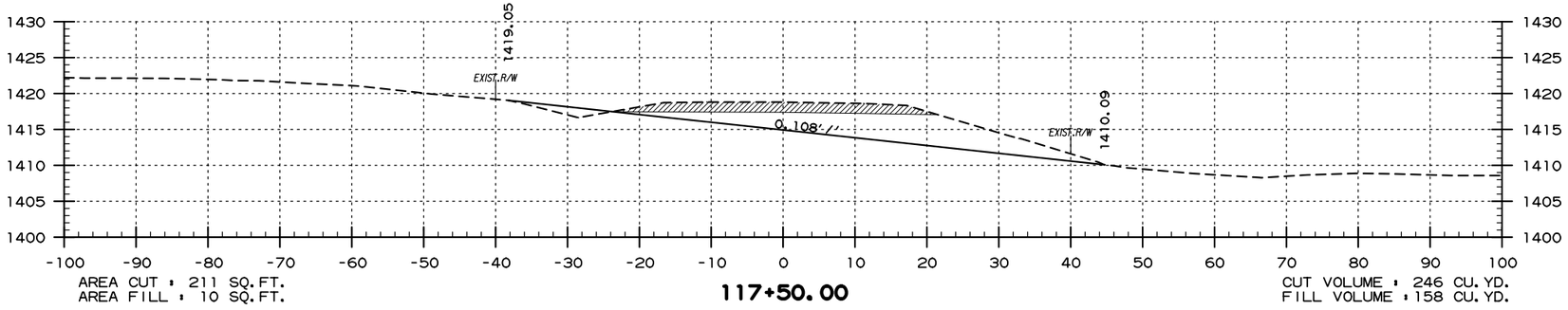
CUT VOLUME = 532 CU.YD.
FILL VOLUME = 61 CU.YD.




AREA CUT = 235 SQ.FT.
AREA FILL = 46 SQ.FT.

**118+00.00**

CUT VOLUME = 413 CU.YD.
FILL VOLUME = 52 CU.YD.




AREA CUT = 211 SQ.FT.
AREA FILL = 10 SQ.FT.

**117+50.00**

CUT VOLUME = 246 CU.YD.
FILL VOLUME = 158 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 117+50 TO STA. 119+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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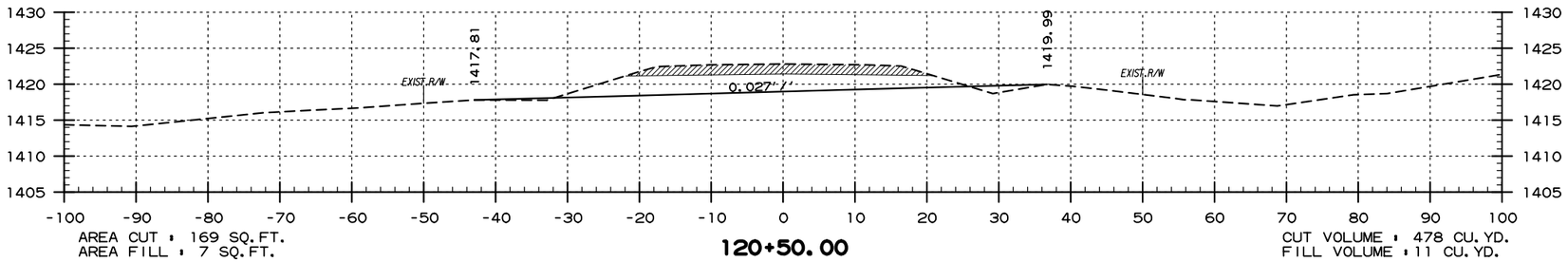
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 135 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

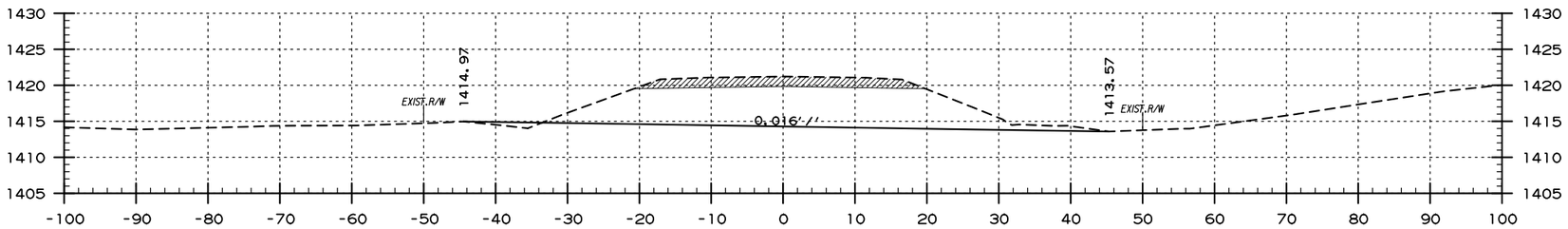
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 169 SQ.FT.
AREA FILL = 7 SQ.FT.

**120+50.00**

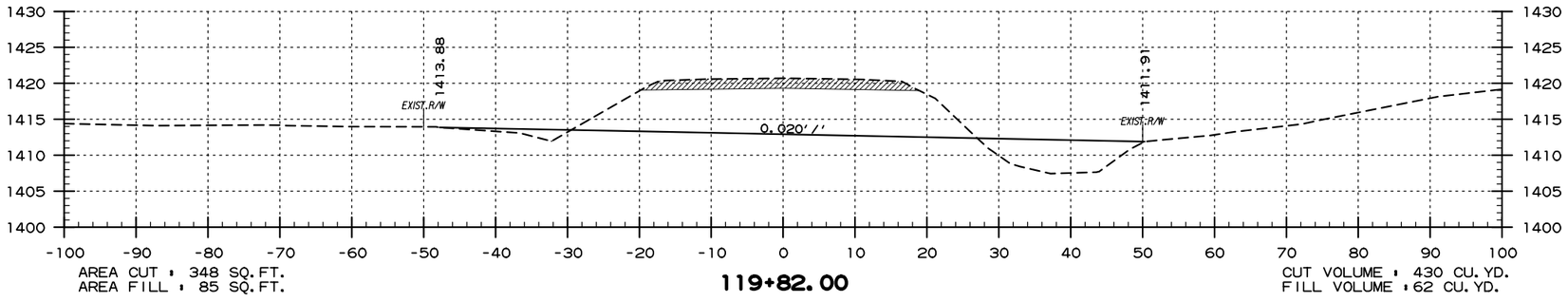
CUT VOLUME = 478 CU.YD.
FILL VOLUME = 11 CU.YD.




AREA CUT = 347 SQ.FT.
AREA FILL = 4 SQ.FT.

**120+00.00**

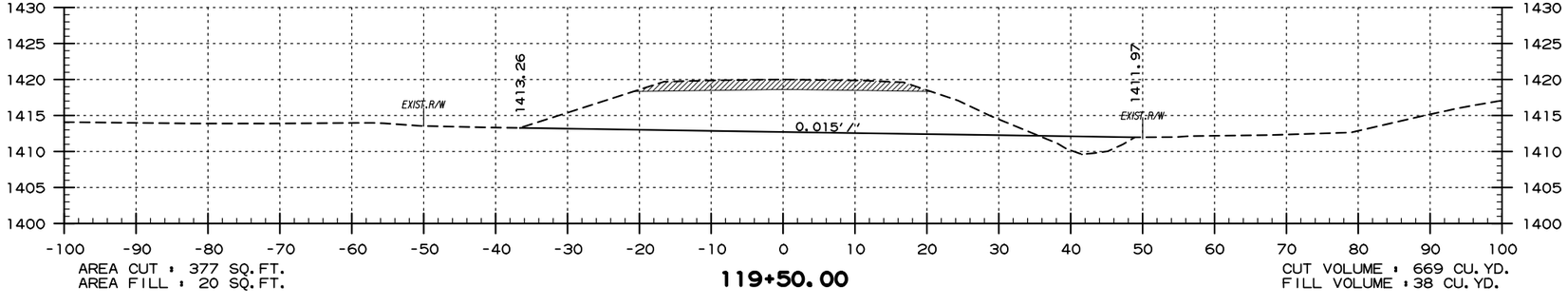
CUT VOLUME = 232 CU.YD.
FILL VOLUME = 30 CU.YD.




AREA CUT = 348 SQ.FT.
AREA FILL = 85 SQ.FT.

**119+82.00**

CUT VOLUME = 430 CU.YD.
FILL VOLUME = 62 CU.YD.




AREA CUT = 377 SQ.FT.
AREA FILL = 20 SQ.FT.

**119+50.00**

CUT VOLUME = 669 CU.YD.
FILL VOLUME = 38 CU.YD.

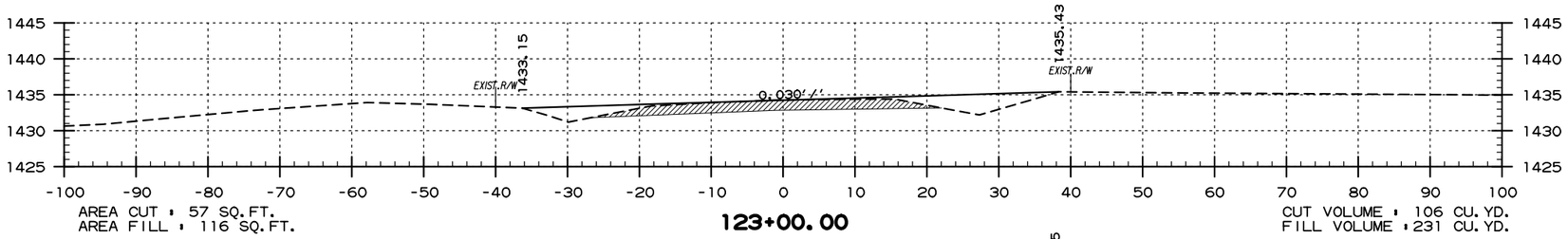
**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 119+50 TO STA. 120+50**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 136 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

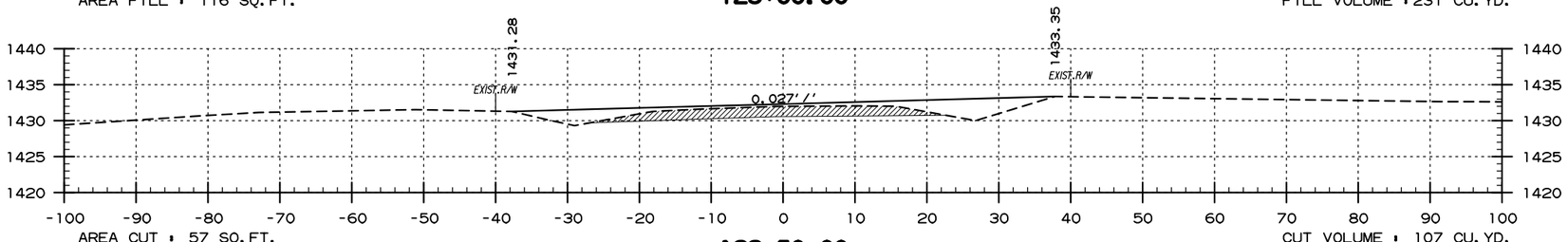
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 57 SQ.FT.
AREA FILL : 116 SQ.FT.

**123+00.00**

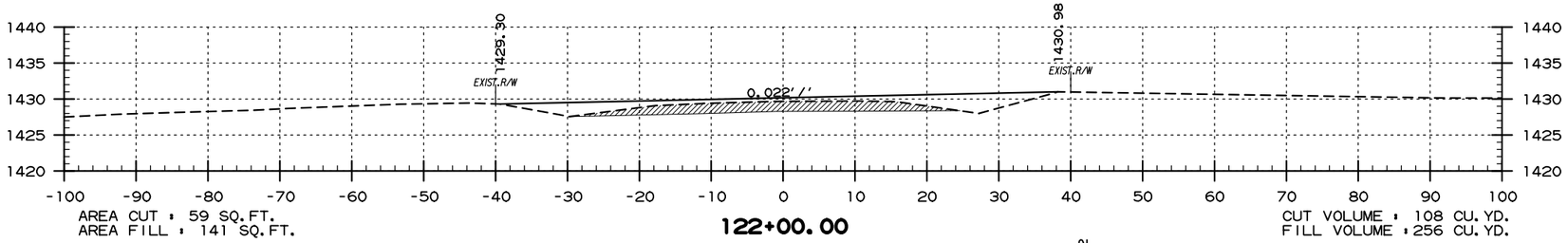
CUT VOLUME : 106 CU.YD.
FILL VOLUME : 231 CU.YD.




AREA CUT : 57 SQ.FT.
AREA FILL : 134 SQ.FT.

**122+50.00**

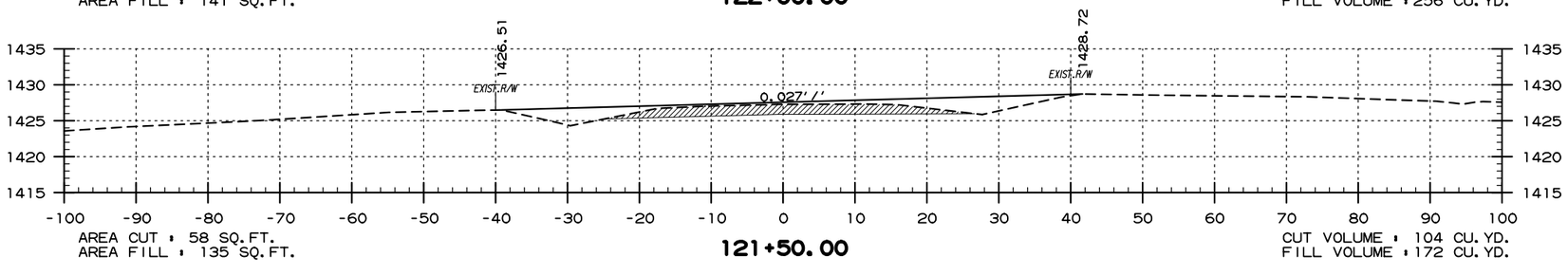
CUT VOLUME : 107 CU.YD.
FILL VOLUME : 255 CU.YD.




AREA CUT : 59 SQ.FT.
AREA FILL : 141 SQ.FT.

**122+00.00**

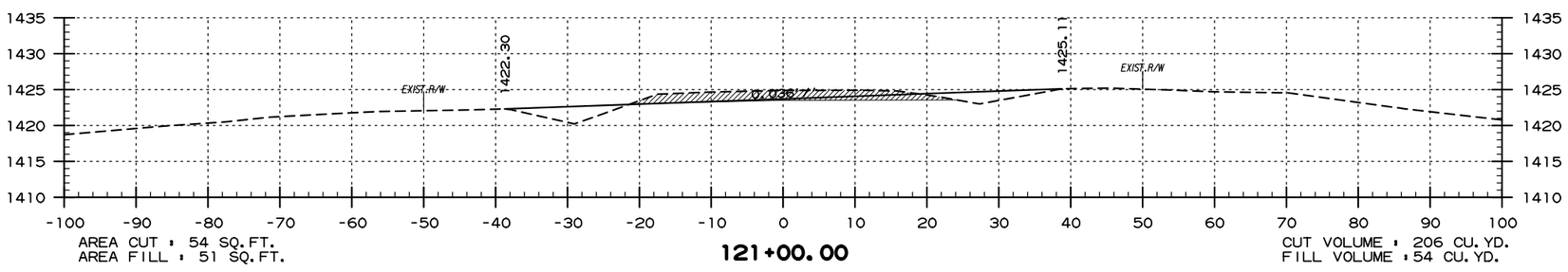
CUT VOLUME : 108 CU.YD.
FILL VOLUME : 256 CU.YD.




AREA CUT : 58 SQ.FT.
AREA FILL : 135 SQ.FT.

**121+50.00**

CUT VOLUME : 104 CU.YD.
FILL VOLUME : 172 CU.YD.




AREA CUT : 54 SQ.FT.
AREA FILL : 51 SQ.FT.

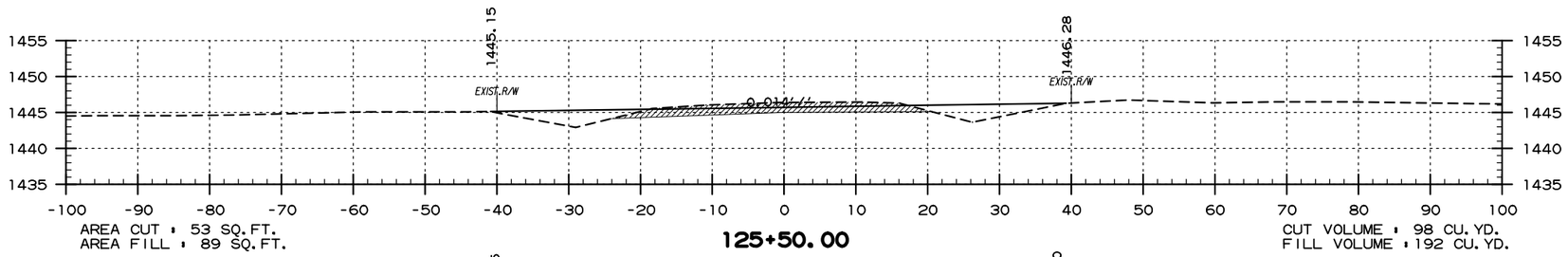
**121+00.00**

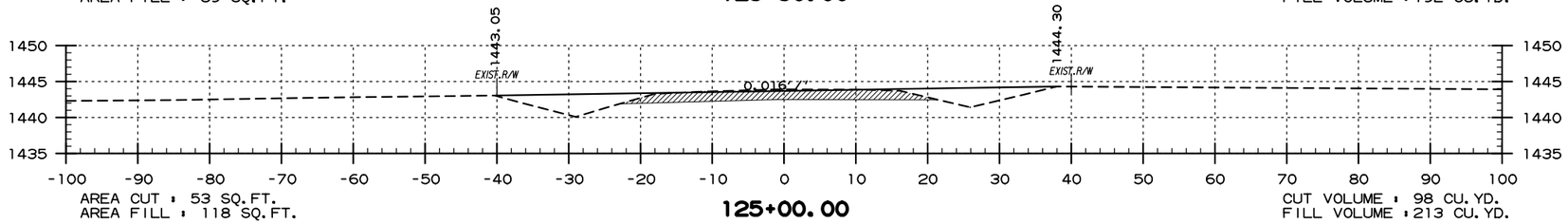
CUT VOLUME : 206 CU.YD.
FILL VOLUME : 54 CU.YD.

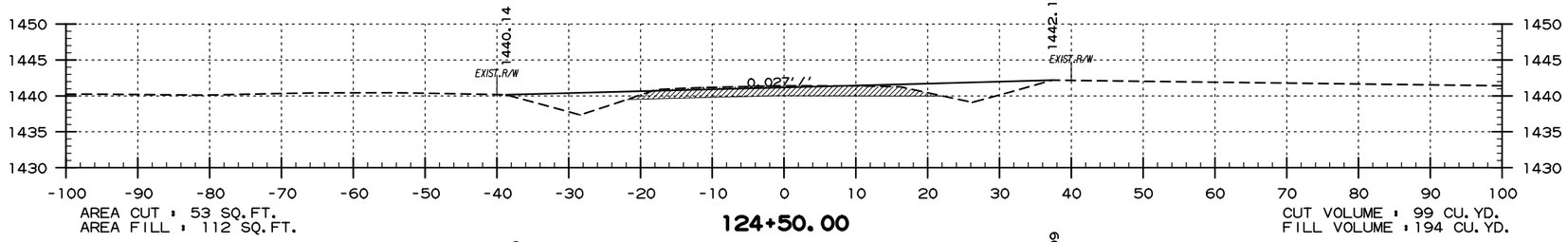
# SITE 5
# ABANDONED HWY. 62 ROADBED
# STA. 121+00 TO STA. 123+00

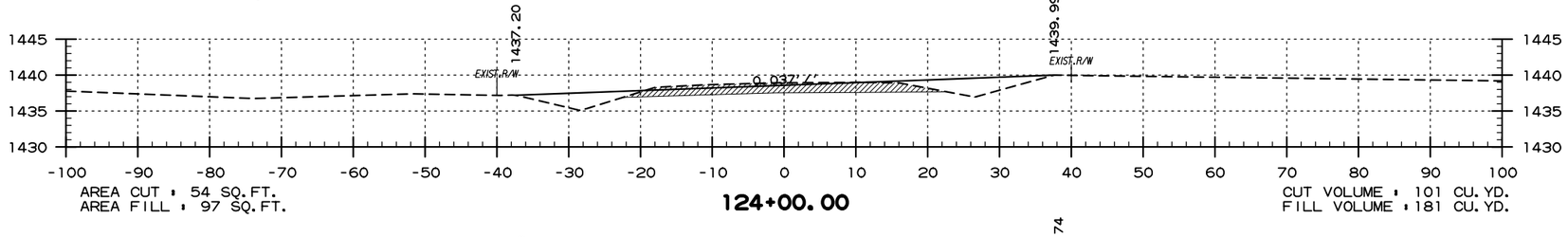
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 137 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

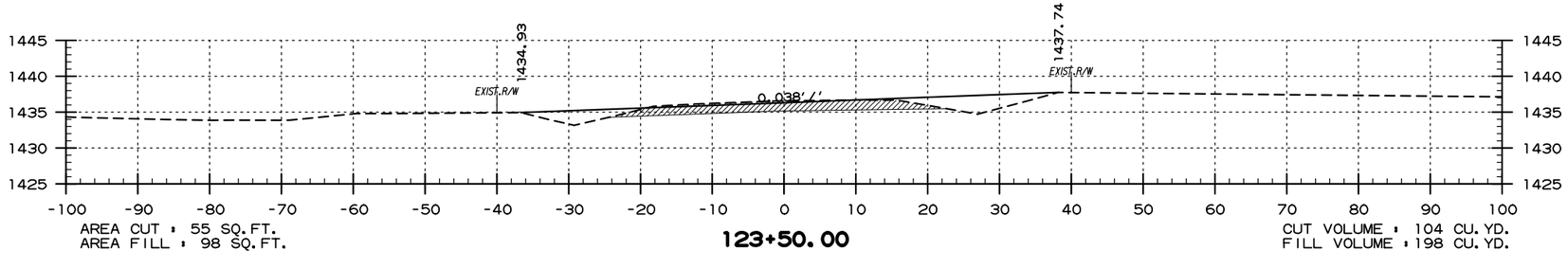
PERI 152541 DRAWING NO. 409/150019




**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 123+50 TO STA. 125+50**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

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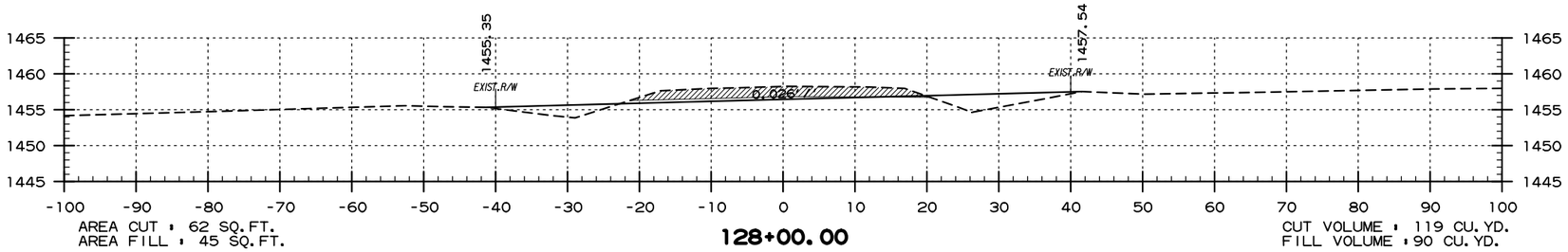
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 138 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

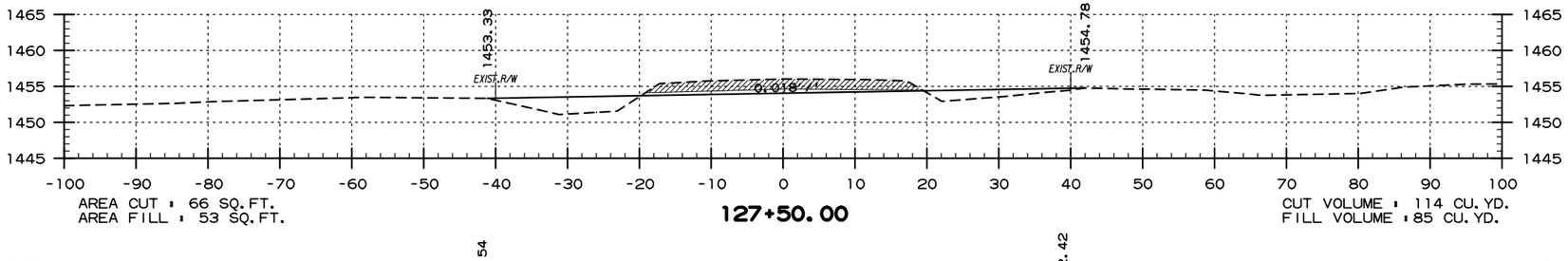
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 62 SQ.FT.
AREA FILL : 45 SQ.FT.

**128+00.00**

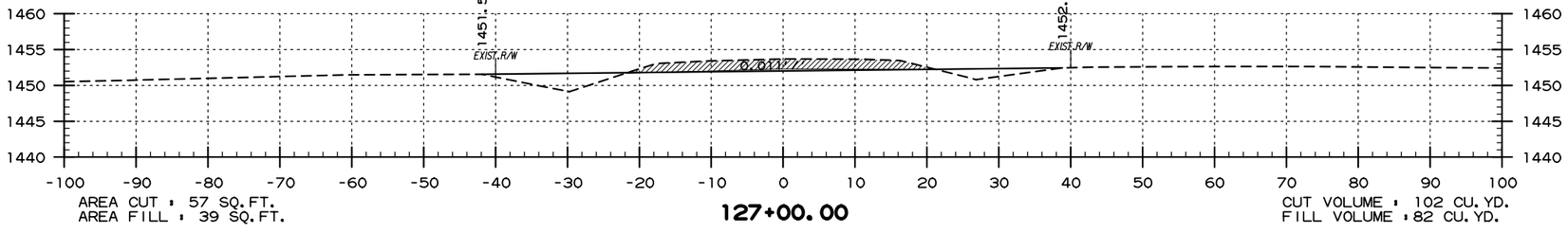
CUT VOLUME : 119 CU.YD.
FILL VOLUME : 90 CU.YD.




AREA CUT : 66 SQ.FT.
AREA FILL : 53 SQ.FT.

**127+50.00**

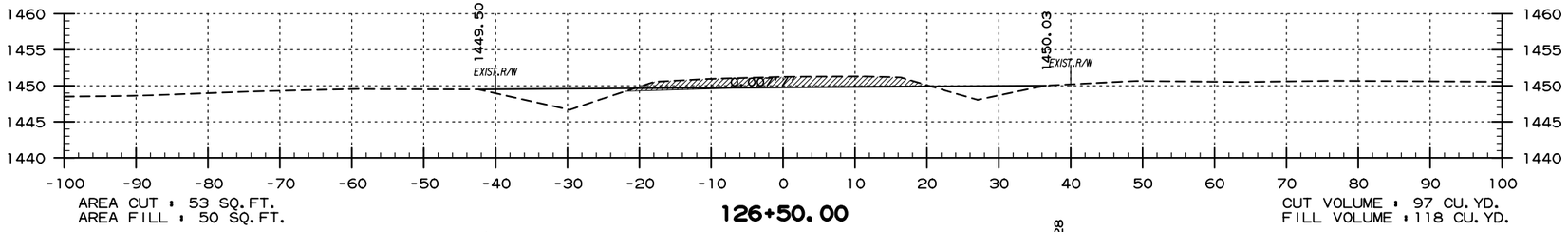
CUT VOLUME : 114 CU.YD.
FILL VOLUME : 85 CU.YD.




AREA CUT : 57 SQ.FT.
AREA FILL : 39 SQ.FT.

**127+00.00**

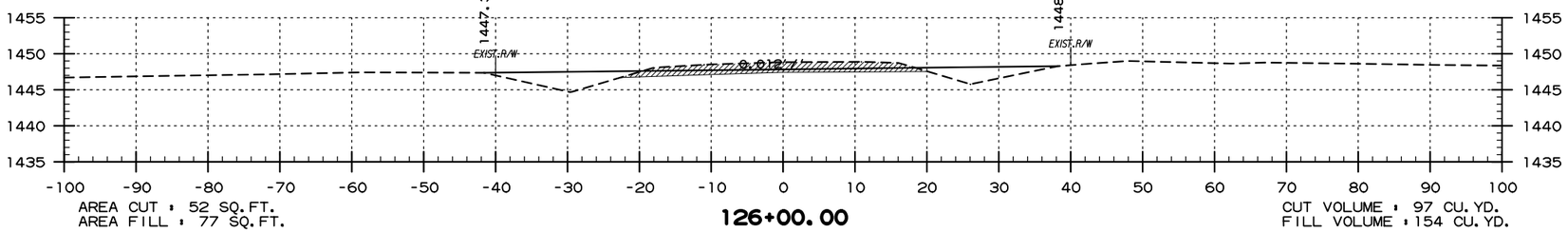
CUT VOLUME : 102 CU.YD.
FILL VOLUME : 82 CU.YD.




AREA CUT : 53 SQ.FT.
AREA FILL : 50 SQ.FT.

**126+50.00**

CUT VOLUME : 97 CU.YD.
FILL VOLUME : 118 CU.YD.




AREA CUT : 52 SQ.FT.
AREA FILL : 77 SQ.FT.

**126+00.00**

CUT VOLUME : 97 CU.YD.
FILL VOLUME : 154 CU.YD.

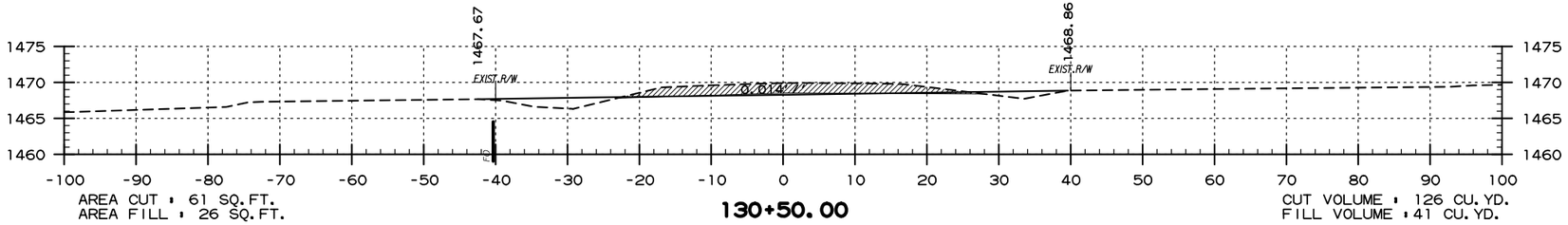
**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 126+00 TO STA. 128+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 139 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

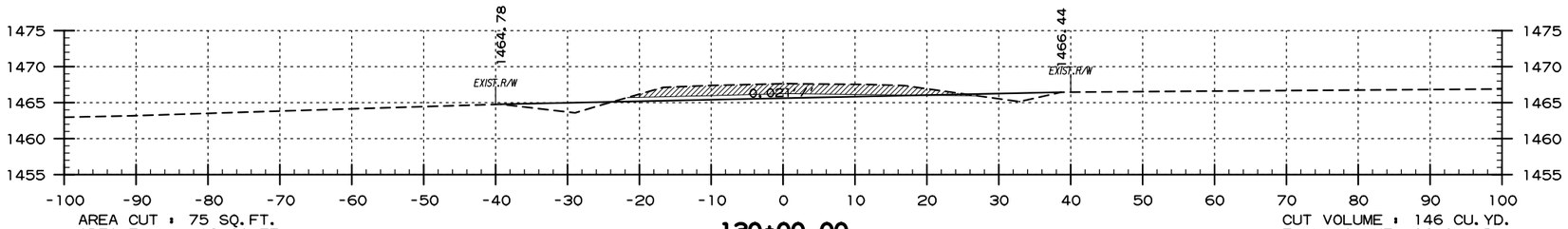
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 61 SQ.FT.
AREA FILL : 26 SQ.FT.

**130+50.00**

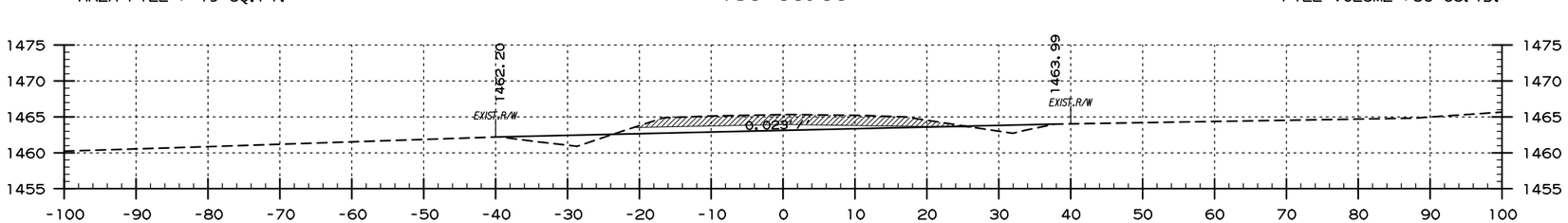
CUT VOLUME : 126 CU.YD.
FILL VOLUME : 41 CU.YD.




AREA CUT : 75 SQ.FT.
AREA FILL : 19 SQ.FT.

**130+00.00**

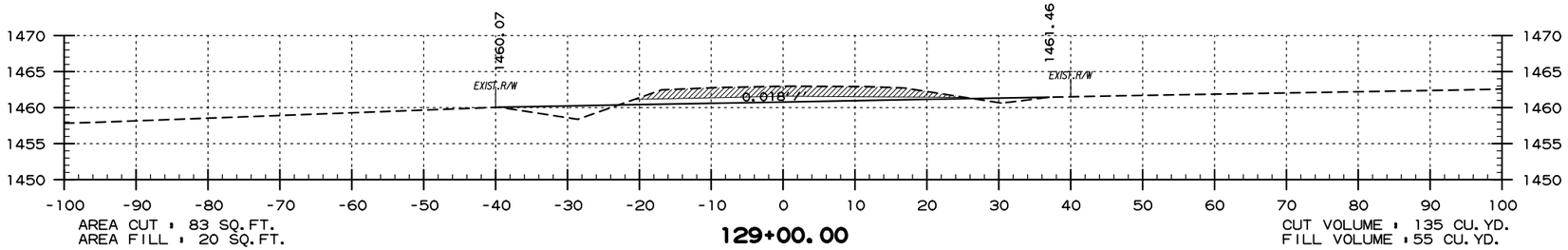
CUT VOLUME : 146 CU.YD.
FILL VOLUME : 36 CU.YD.




AREA CUT : 83 SQ.FT.
AREA FILL : 20 SQ.FT.

**129+50.00**

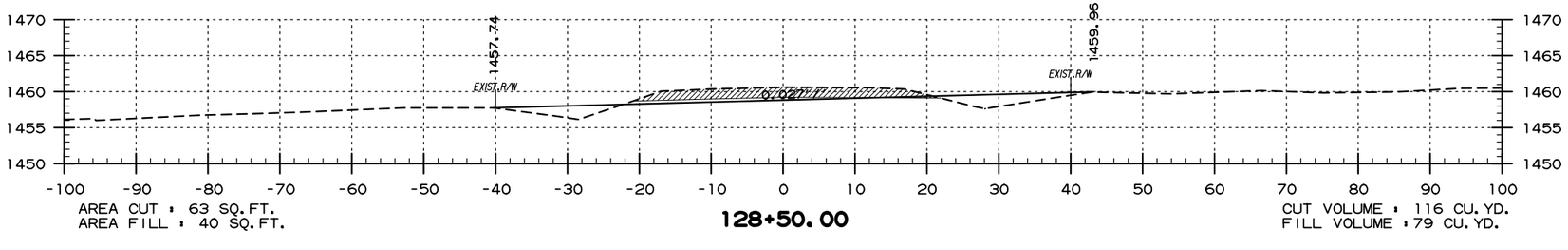
CUT VOLUME : 154 CU.YD.
FILL VOLUME : 37 CU.YD.




AREA CUT : 83 SQ.FT.
AREA FILL : 20 SQ.FT.

**129+00.00**

CUT VOLUME : 135 CU.YD.
FILL VOLUME : 55 CU.YD.




AREA CUT : 63 SQ.FT.
AREA FILL : 40 SQ.FT.

**128+50.00**

CUT VOLUME : 116 CU.YD.
FILL VOLUME : 79 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 128+50 TO STA. 130+50**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

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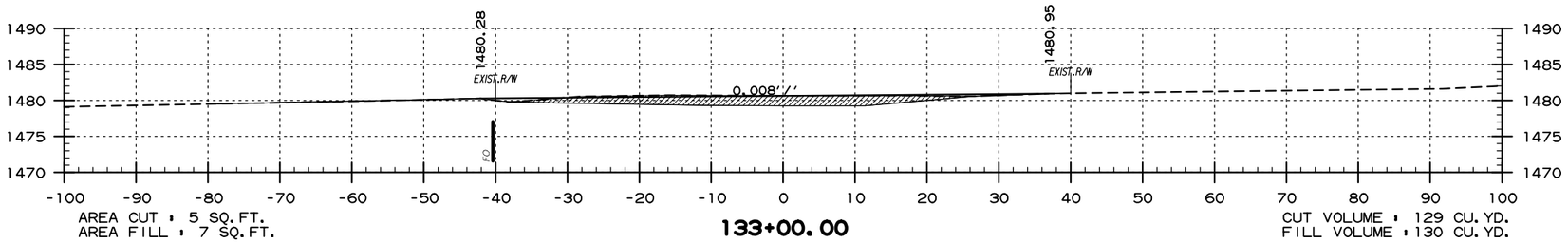
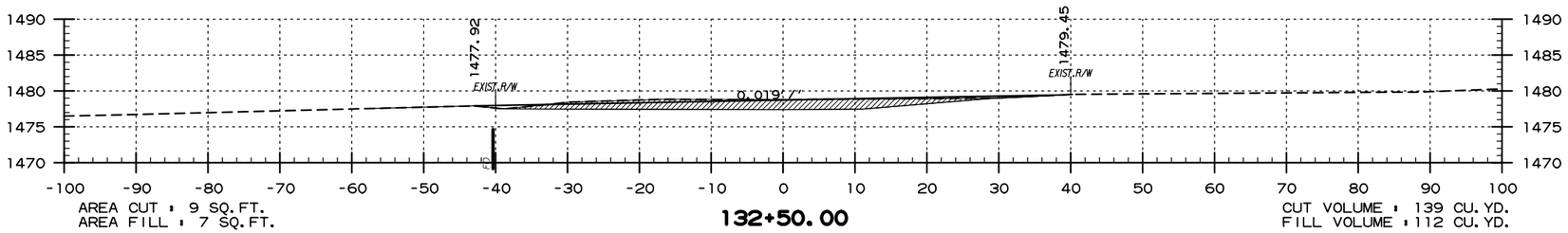
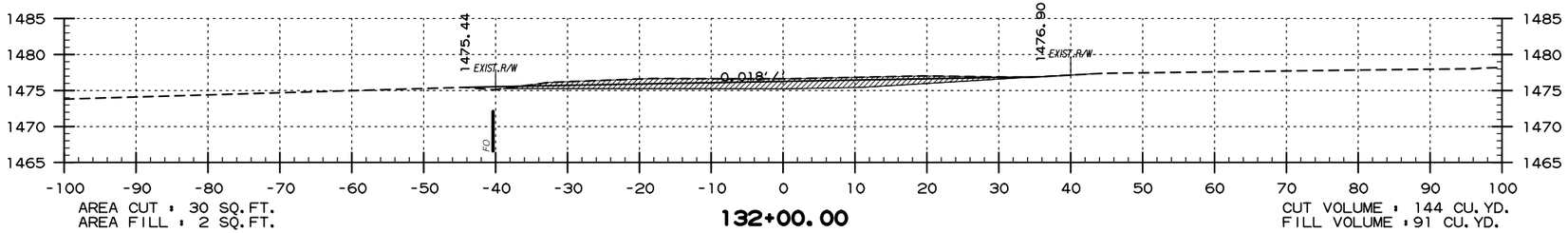
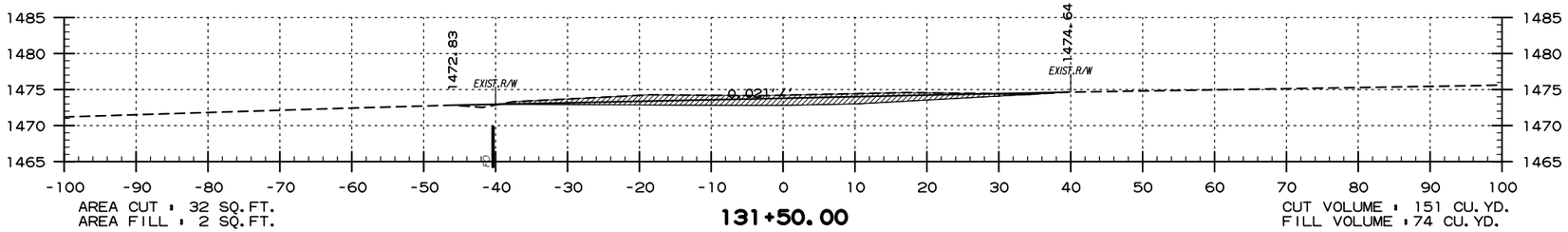
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 140 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

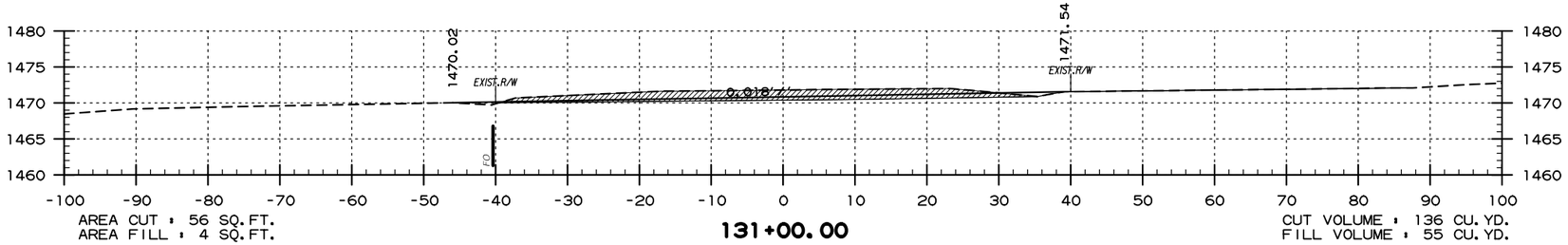
PERI 152541 DRAWING NO. 409/150019




**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 131+00 TO STA. 133+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
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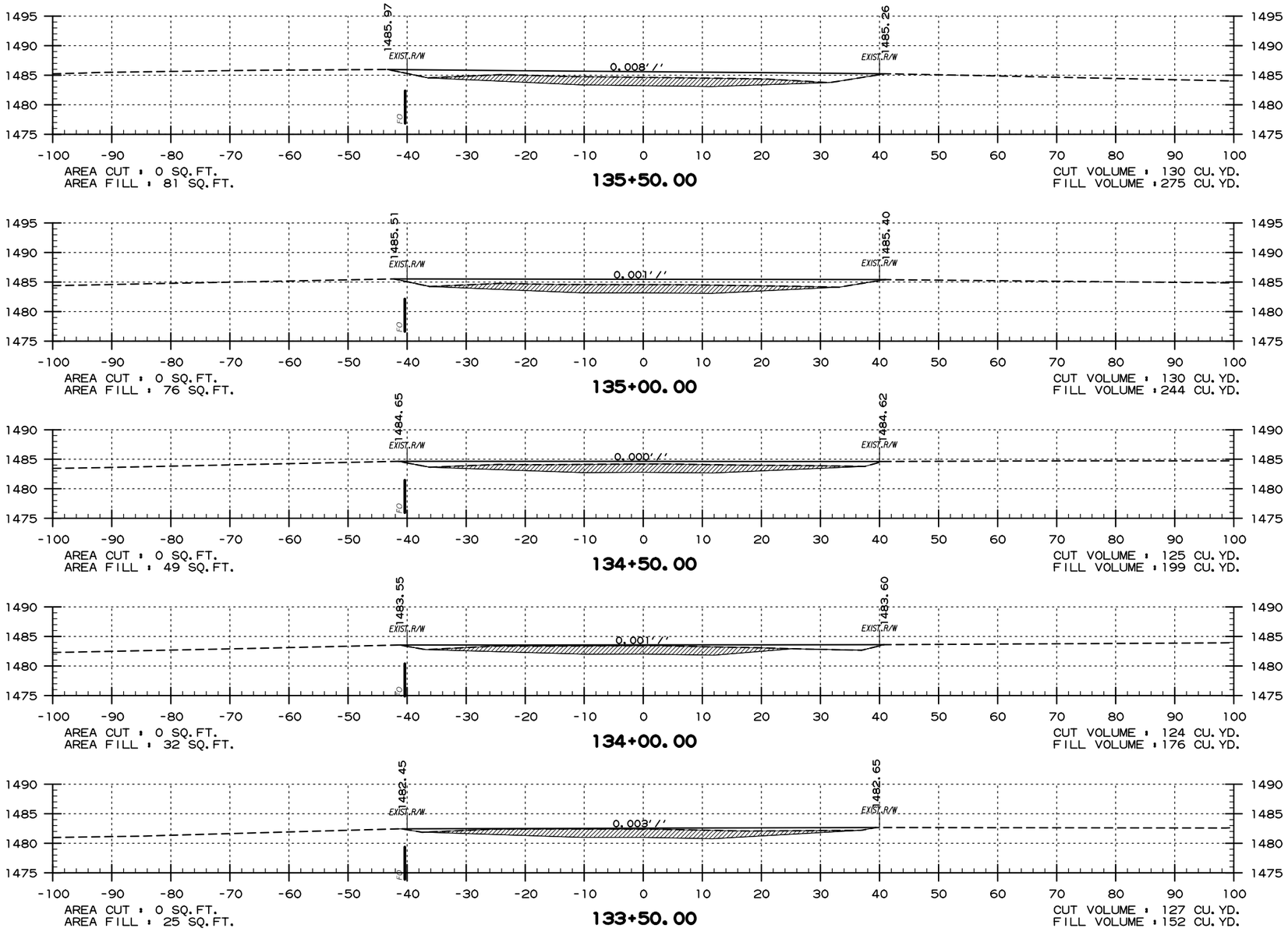
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 141 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019

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PLOTTED: 9/8/2020 09:58
SCALE: 1:20

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 133+50 TO STA. 135+50**

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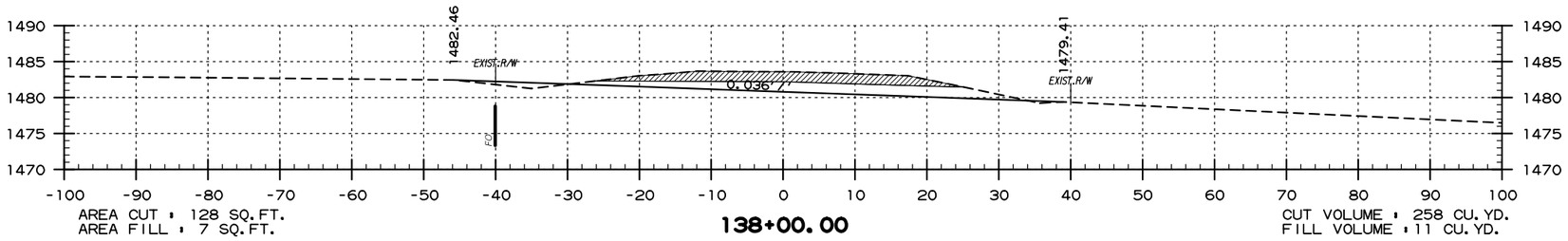
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 142 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

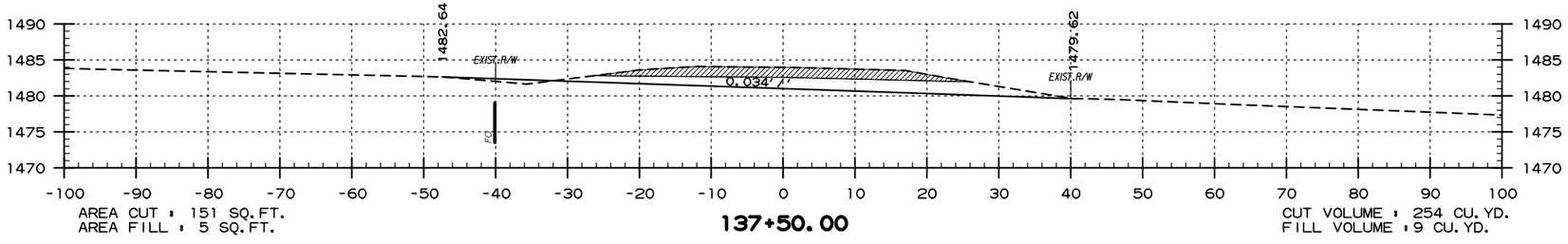
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 128 SQ.FT.
AREA FILL : 7 SQ.FT.

**138+00.00**

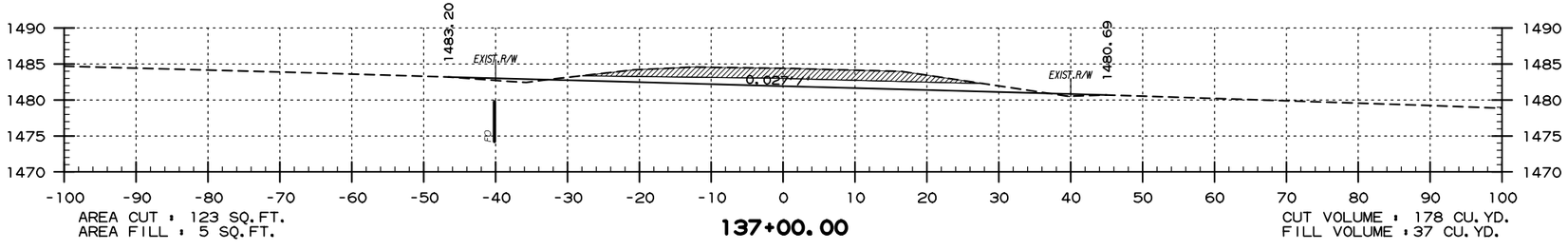
CUT VOLUME : 258 CU.YD.
FILL VOLUME : 11 CU.YD.




AREA CUT : 151 SQ.FT.
AREA FILL : 5 SQ.FT.

**137+50.00**

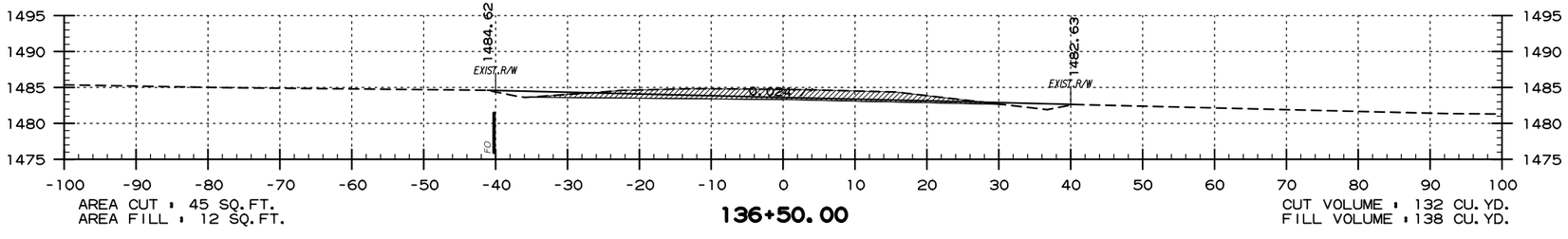
CUT VOLUME : 254 CU.YD.
FILL VOLUME : 9 CU.YD.




AREA CUT : 123 SQ.FT.
AREA FILL : 5 SQ.FT.

**137+00.00**

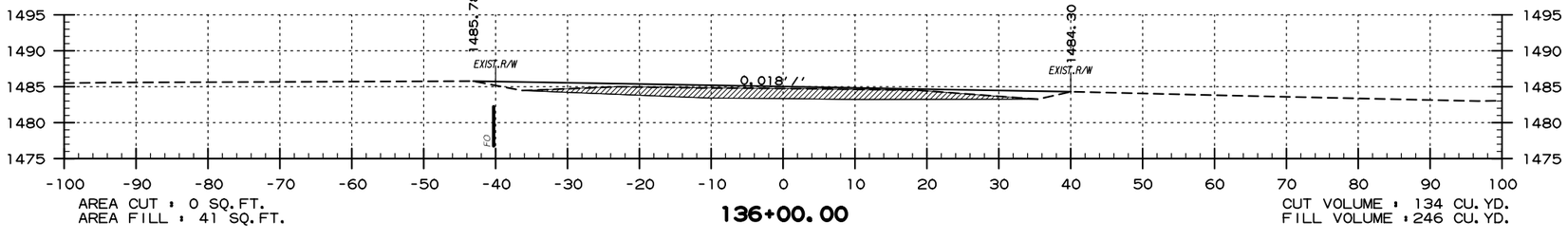
CUT VOLUME : 178 CU.YD.
FILL VOLUME : 37 CU.YD.




AREA CUT : 45 SQ.FT.
AREA FILL : 12 SQ.FT.

**136+50.00**

CUT VOLUME : 132 CU.YD.
FILL VOLUME : 138 CU.YD.




AREA CUT : 0 SQ.FT.
AREA FILL : 41 SQ.FT.

**136+00.00**

CUT VOLUME : 134 CU.YD.
FILL VOLUME : 246 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 136+00 TO STA. 138+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

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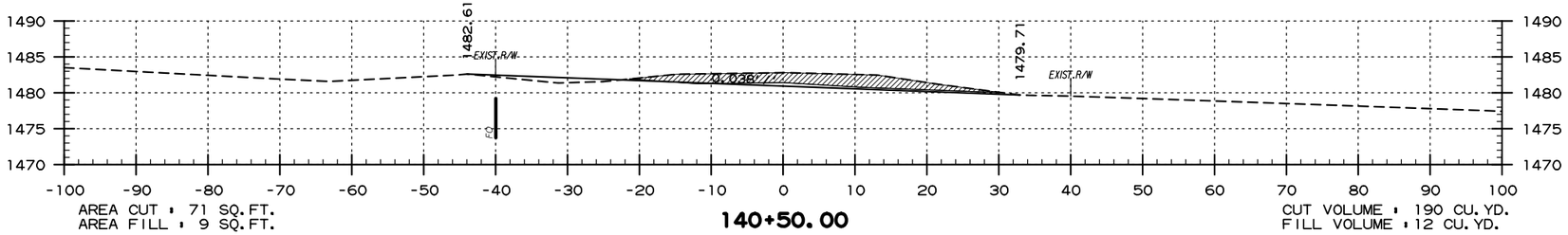
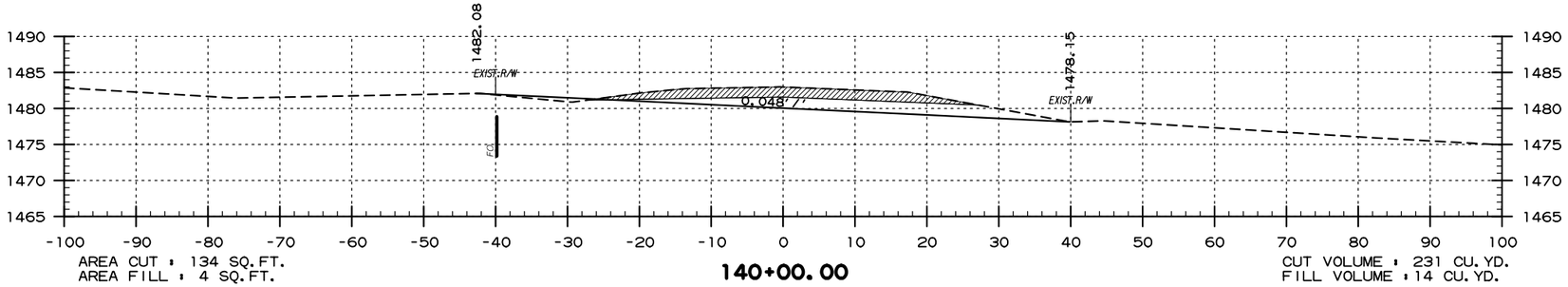
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 143 | 151 |

(2) CROSS SECTIONS

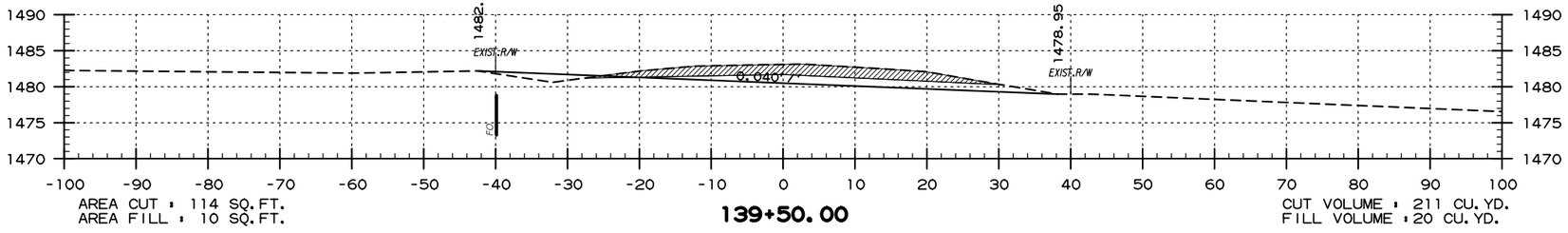
PERI 152541 DRAWING NO. 409/150019



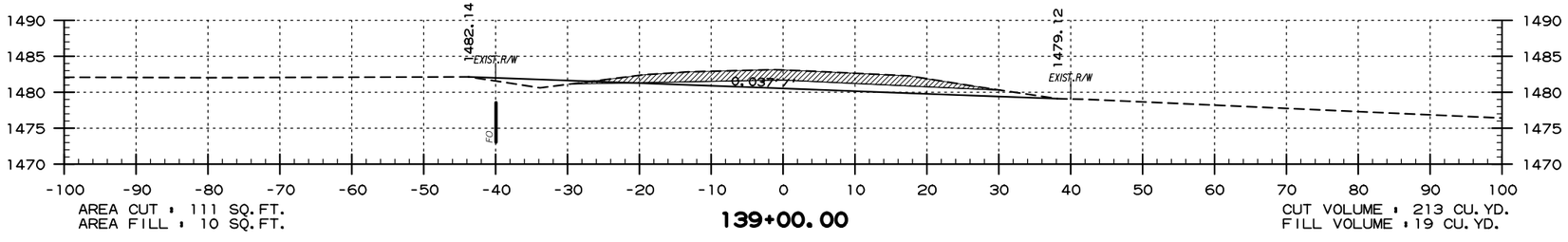

**140+50.00**



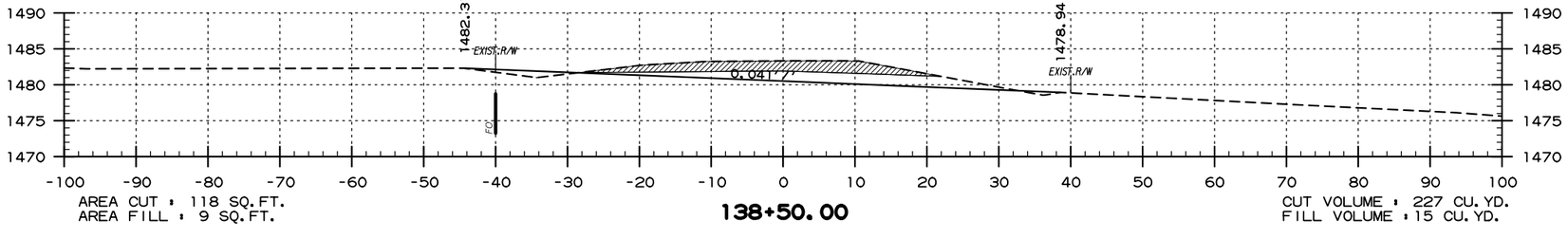

**140+00.00**




**139+50.00**




**139+00.00**




**138+50.00**

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 138+50 TO STA. 140+50**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
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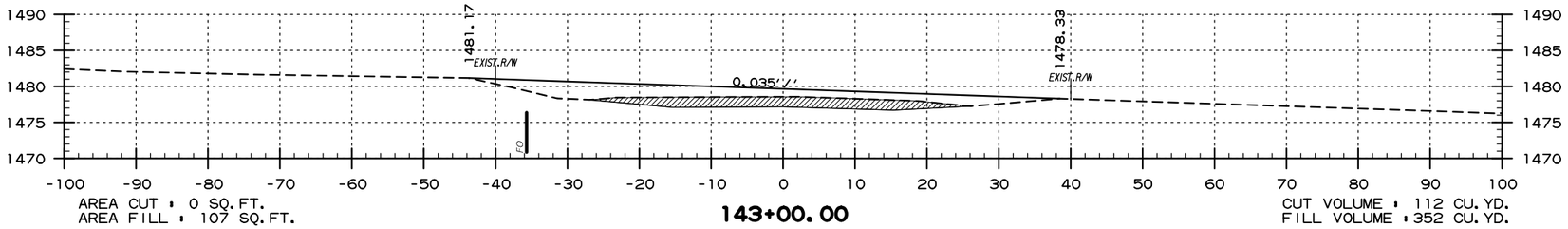
| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 144 | 151 |

(2) CROSS SECTIONS

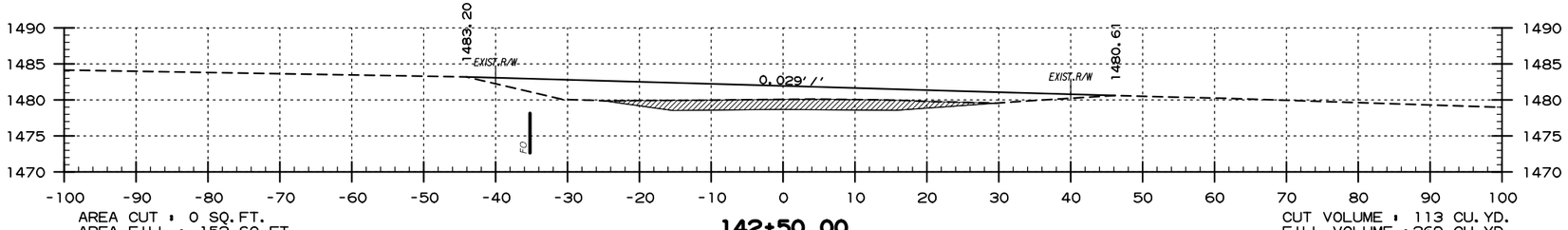
PERI 152541 DRAWING NO. 409/150019




AREA CUT = 0 SQ.FT.
AREA FILL = 107 SQ.FT.

**143+00.00**

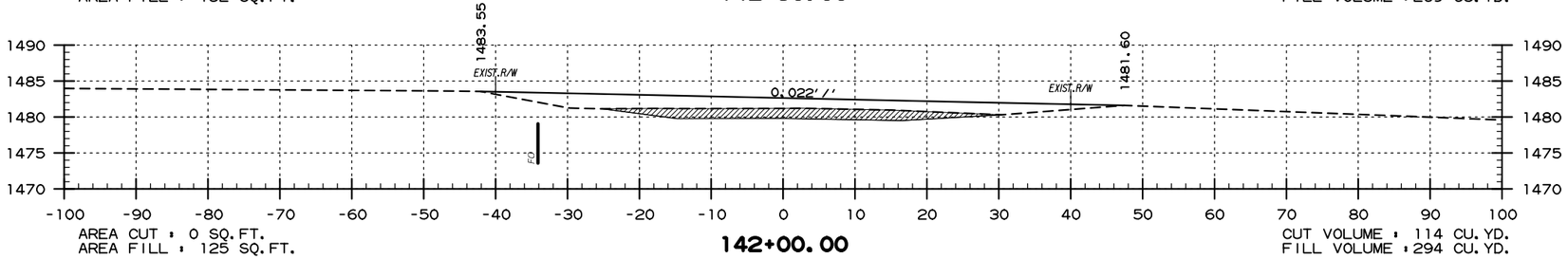
CUT VOLUME = 112 CU.YD.
FILL VOLUME = 352 CU.YD.




AREA CUT = 0 SQ.FT.
AREA FILL = 152 SQ.FT.

**142+50.00**

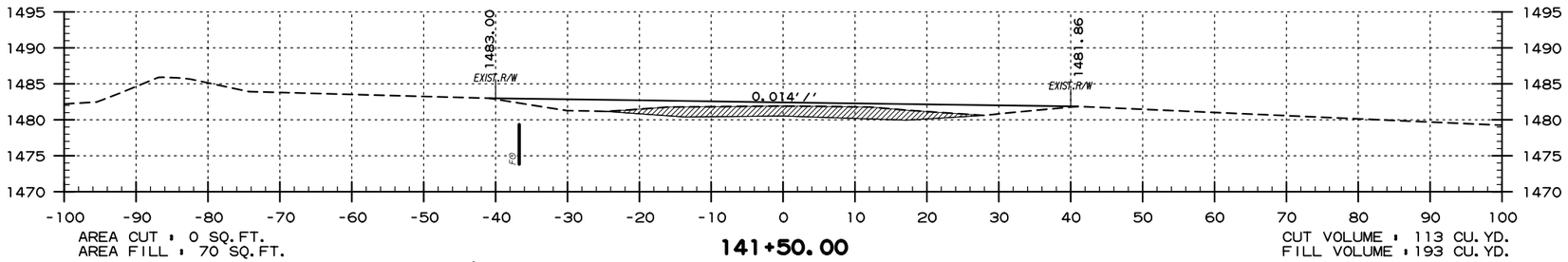
CUT VOLUME = 113 CU.YD.
FILL VOLUME = 269 CU.YD.




AREA CUT = 0 SQ.FT.
AREA FILL = 125 SQ.FT.

**142+00.00**

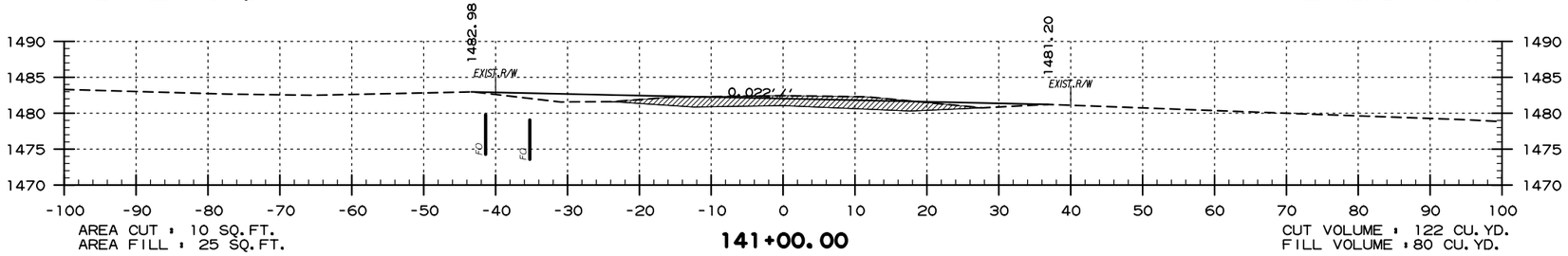
CUT VOLUME = 114 CU.YD.
FILL VOLUME = 294 CU.YD.




AREA CUT = 0 SQ.FT.
AREA FILL = 70 SQ.FT.

**141+50.00**

CUT VOLUME = 113 CU.YD.
FILL VOLUME = 193 CU.YD.




AREA CUT = 10 SQ.FT.
AREA FILL = 25 SQ.FT.

**141+00.00**

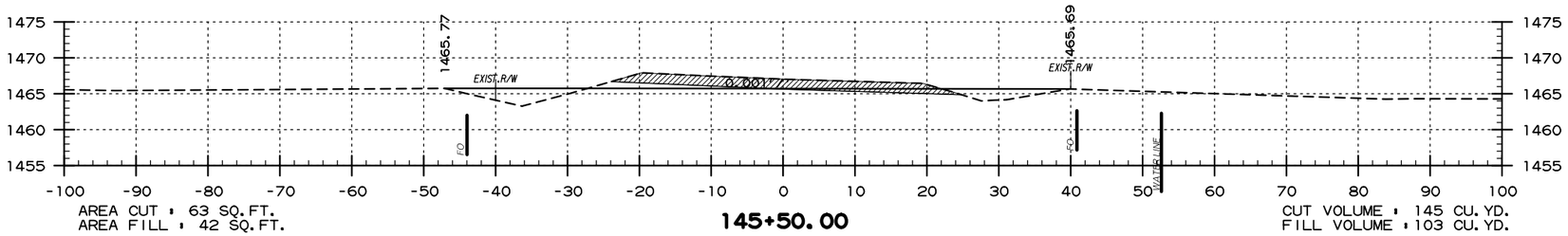
CUT VOLUME = 122 CU.YD.
FILL VOLUME = 80 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 141+00 TO STA. 143+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn SCALE: 1:20
PLOTTED: 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 145 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

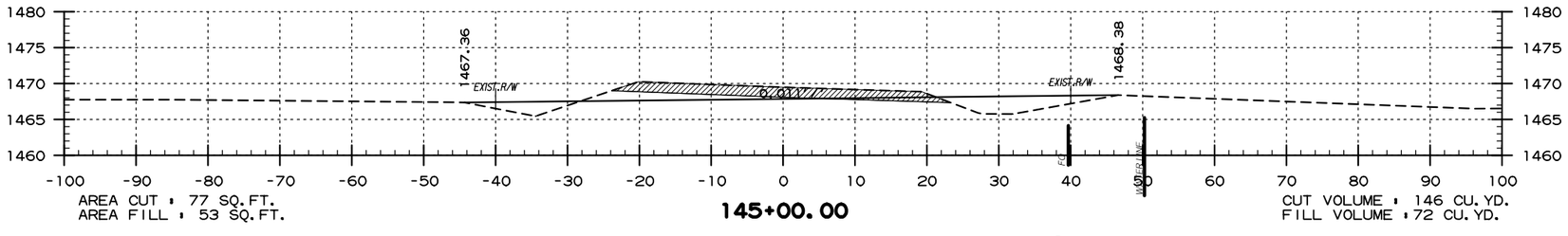
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 63 SQ.FT.
AREA FILL : 42 SQ.FT.

**145+50.00**

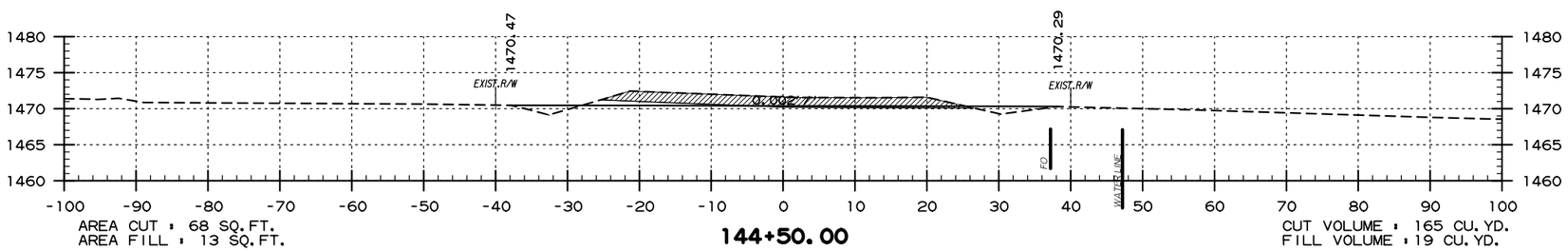
CUT VOLUME : 145 CU.YD.
FILL VOLUME : 103 CU.YD.




AREA CUT : 77 SQ.FT.
AREA FILL : 53 SQ.FT.

**145+00.00**

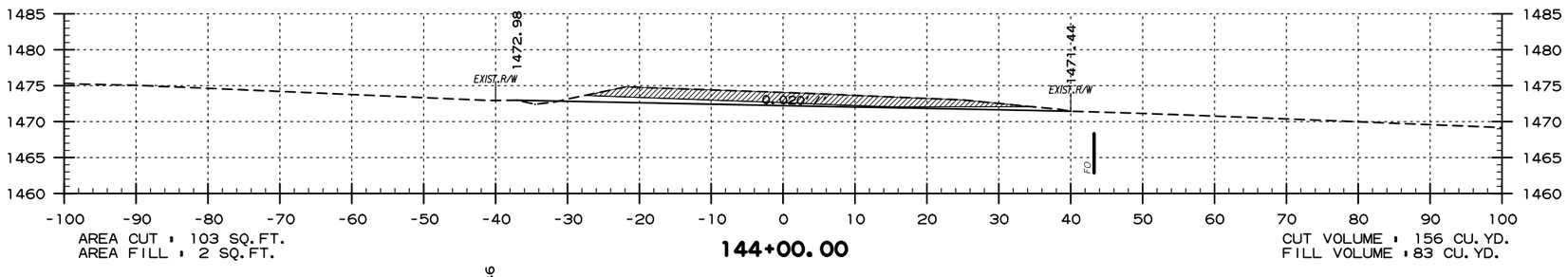
CUT VOLUME : 146 CU.YD.
FILL VOLUME : 72 CU.YD.




AREA CUT : 68 SQ.FT.
AREA FILL : 13 SQ.FT.

**144+50.00**

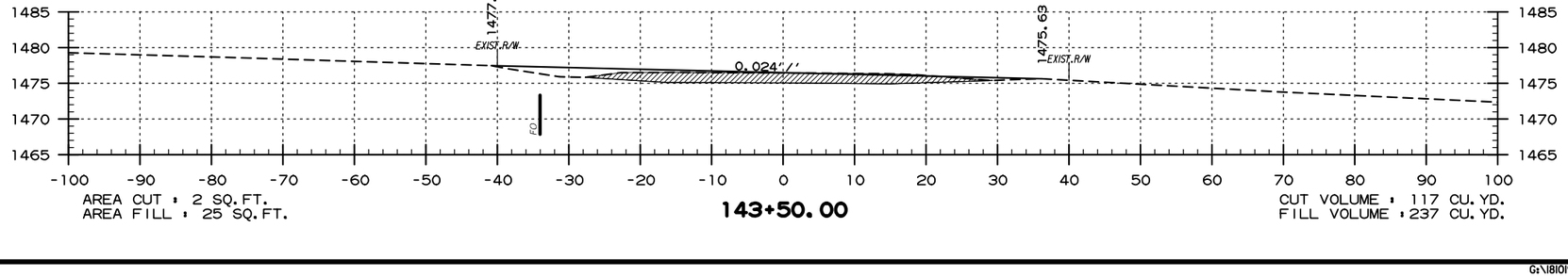
CUT VOLUME : 165 CU.YD.
FILL VOLUME : 19 CU.YD.




AREA CUT : 103 SQ.FT.
AREA FILL : 2 SQ.FT.

**144+00.00**

CUT VOLUME : 156 CU.YD.
FILL VOLUME : 83 CU.YD.




AREA CUT : 2 SQ.FT.
AREA FILL : 25 SQ.FT.

**143+50.00**

CUT VOLUME : 117 CU.YD.
FILL VOLUME : 237 CU.YD.

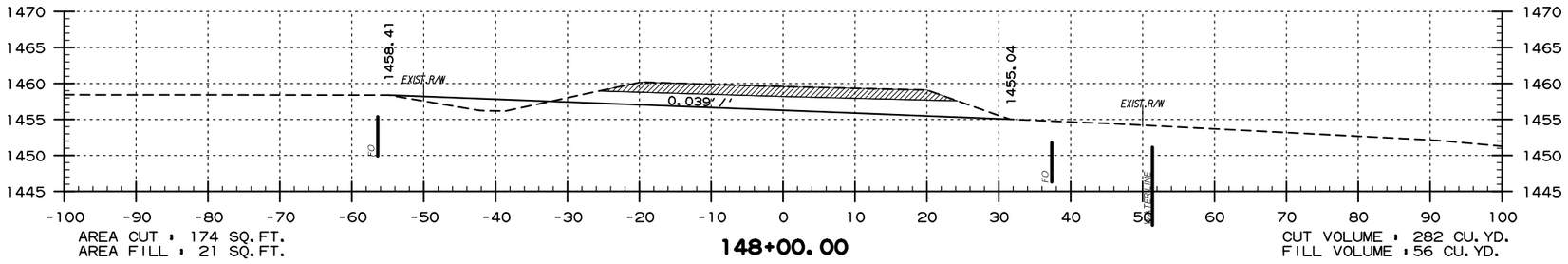
**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 143+50 TO STA. 145+50**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 146 | 151 |

(2) CROSS SECTIONS

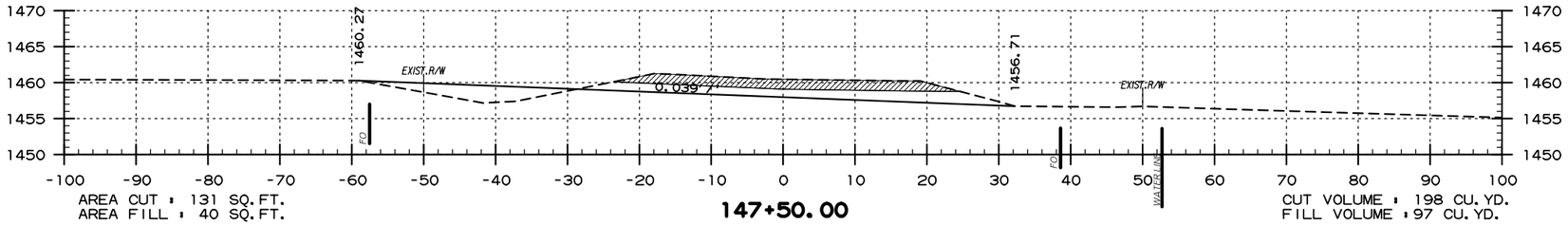
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 174 SQ.FT.
AREA FILL : 21 SQ.FT.

**148+00.00**

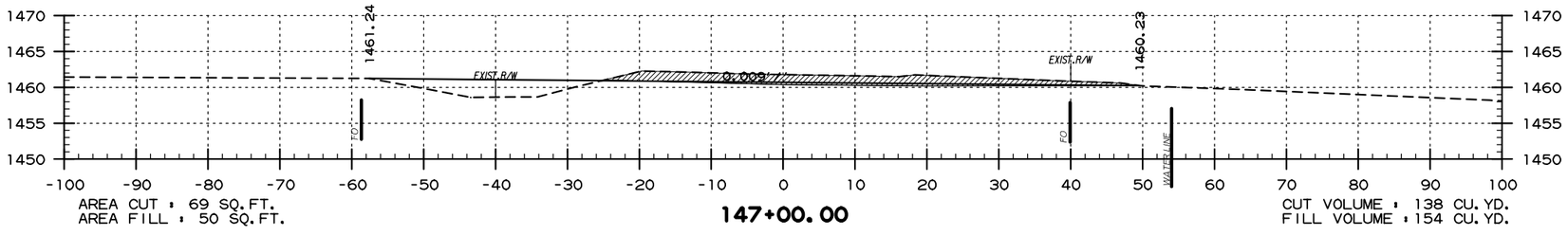
CUT VOLUME : 282 CU.YD.
FILL VOLUME : 56 CU.YD.




AREA CUT : 131 SQ.FT.
AREA FILL : 40 SQ.FT.

**147+50.00**

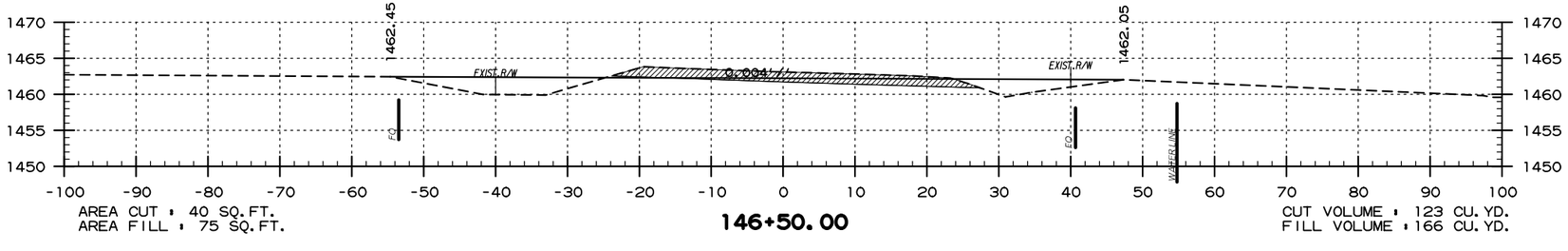
CUT VOLUME : 198 CU.YD.
FILL VOLUME : 97 CU.YD.




AREA CUT : 69 SQ.FT.
AREA FILL : 50 SQ.FT.

**147+00.00**

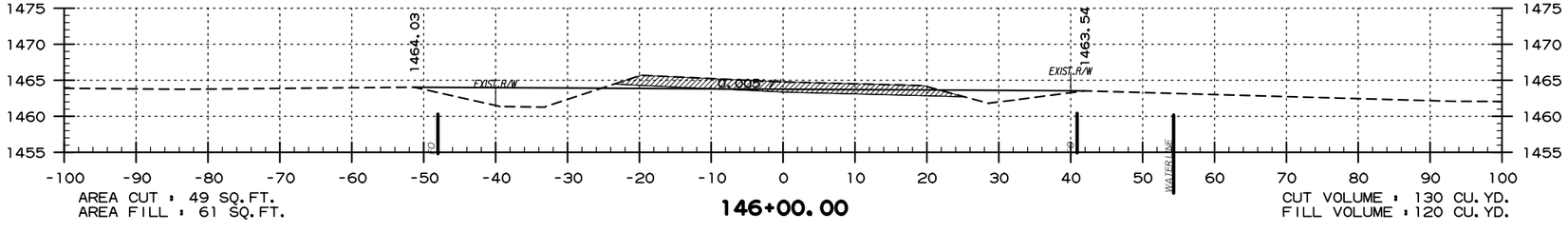
CUT VOLUME : 138 CU.YD.
FILL VOLUME : 154 CU.YD.




AREA CUT : 40 SQ.FT.
AREA FILL : 75 SQ.FT.

**146+50.00**

CUT VOLUME : 123 CU.YD.
FILL VOLUME : 166 CU.YD.




AREA CUT : 49 SQ.FT.
AREA FILL : 61 SQ.FT.

**146+00.00**

CUT VOLUME : 130 CU.YD.
FILL VOLUME : 120 CU.YD.

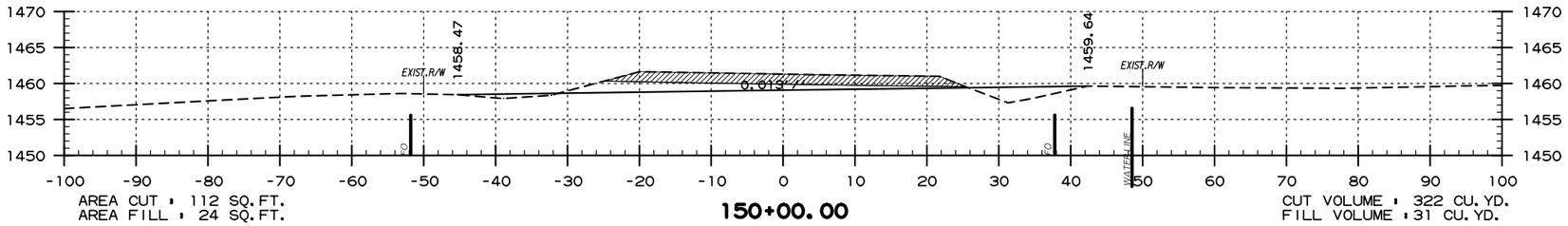
**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 146+00 TO STA. 148+00**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 147 | 151 |

(2) CROSS SECTIONS

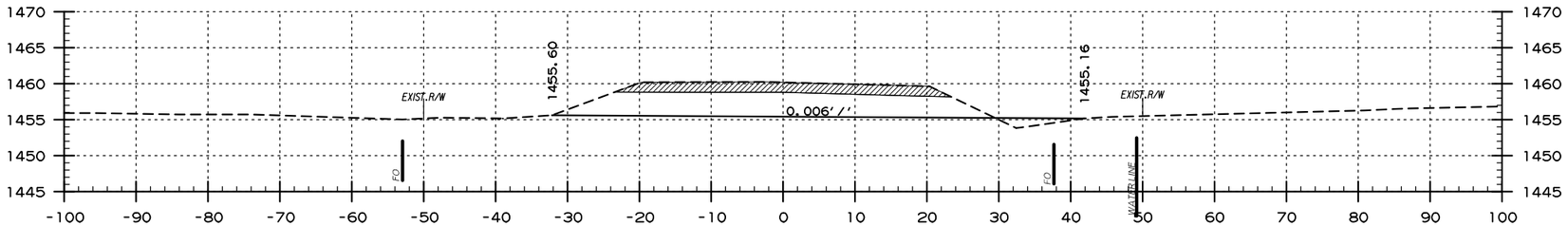
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 112 SQ.FT.
AREA FILL : 24 SQ.FT.

**150+00.00**

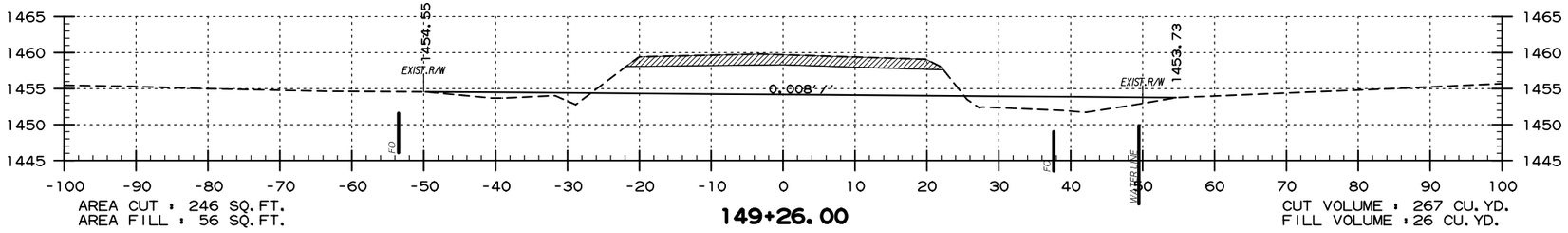
CUT VOLUME : 322 CU.YD.
FILL VOLUME : 31 CU.YD.




AREA CUT : 236 SQ.FT.
AREA FILL : 9 SQ.FT.

**149+50.00**

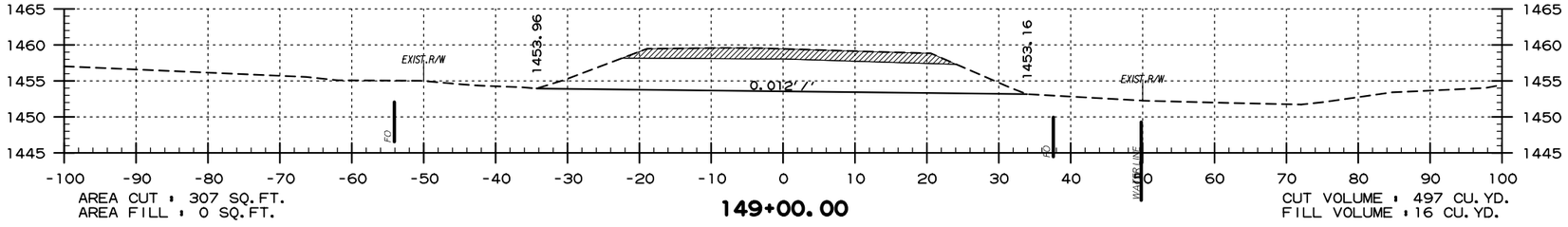
CUT VOLUME : 215 CU.YD.
FILL VOLUME : 28 CU.YD.




AREA CUT : 246 SQ.FT.
AREA FILL : 56 SQ.FT.

**149+26.00**

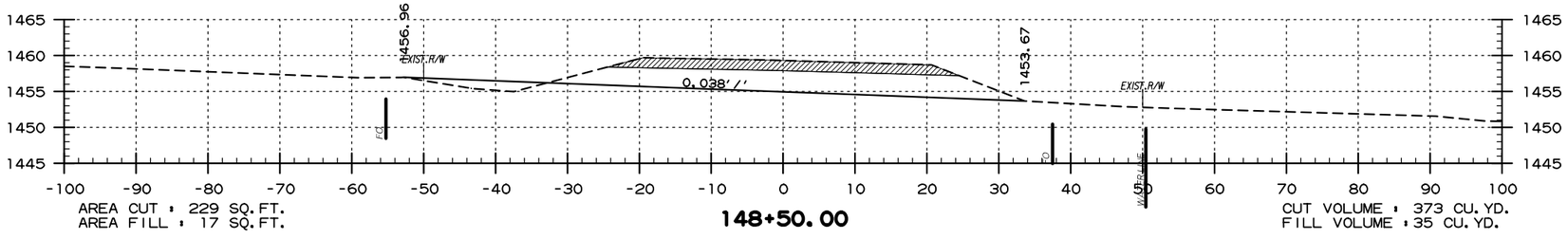
CUT VOLUME : 267 CU.YD.
FILL VOLUME : 26 CU.YD.




AREA CUT : 307 SQ.FT.
AREA FILL : 0 SQ.FT.

**149+00.00**

CUT VOLUME : 497 CU.YD.
FILL VOLUME : 16 CU.YD.




AREA CUT : 229 SQ.FT.
AREA FILL : 17 SQ.FT.

**148+50.00**

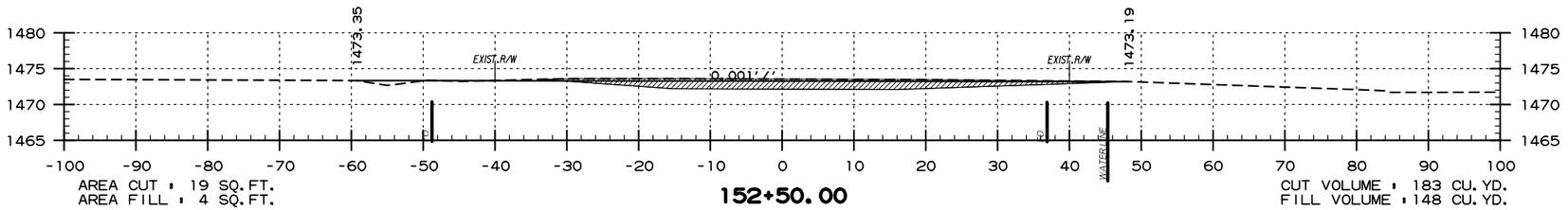
CUT VOLUME : 373 CU.YD.
FILL VOLUME : 35 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 148+50 TO STA. 150+00**

USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 148 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

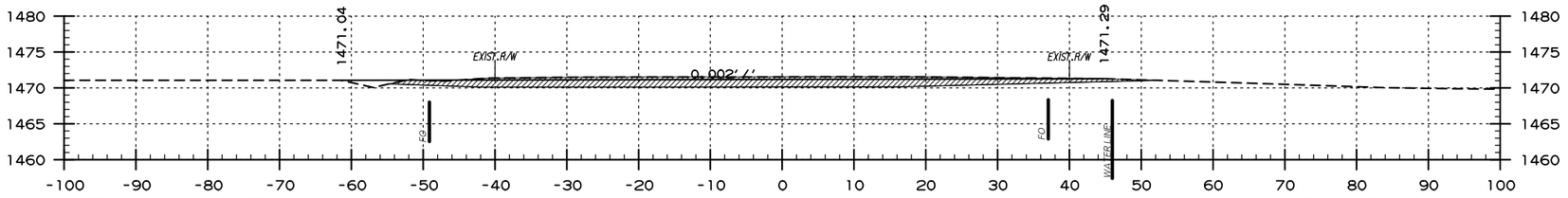
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 19 SQ.FT.
AREA FILL : 4 SQ.FT.

**152+50.00**

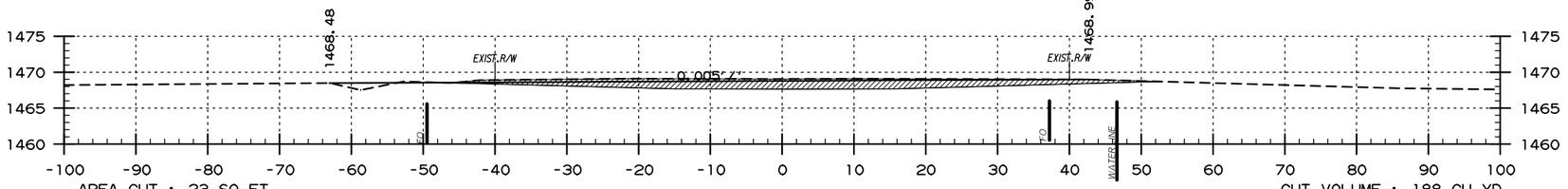
CUT VOLUME : 183 CU.YD.
FILL VOLUME : 148 CU.YD.




AREA CUT : 25 SQ.FT.
AREA FILL : 5 SQ.FT.

**152+00.00**

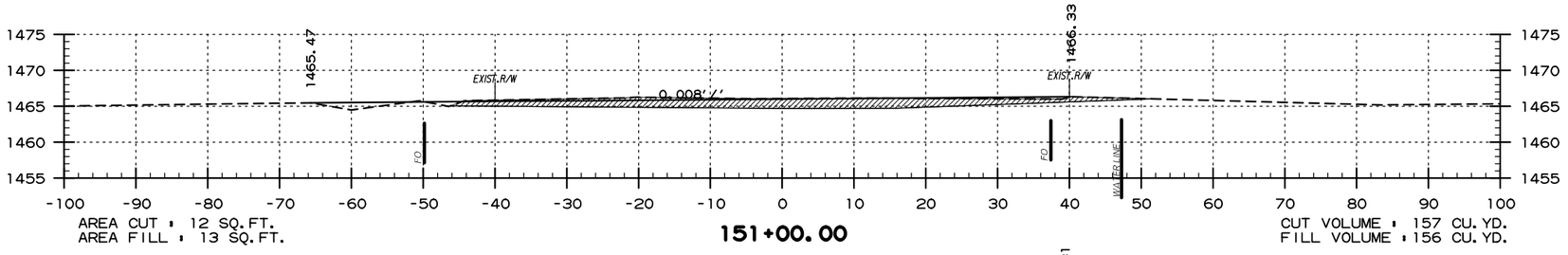
CUT VOLUME : 202 CU.YD.
FILL VOLUME : 162 CU.YD.




AREA CUT : 23 SQ.FT.
AREA FILL : 5 SQ.FT.

**151+50.00**

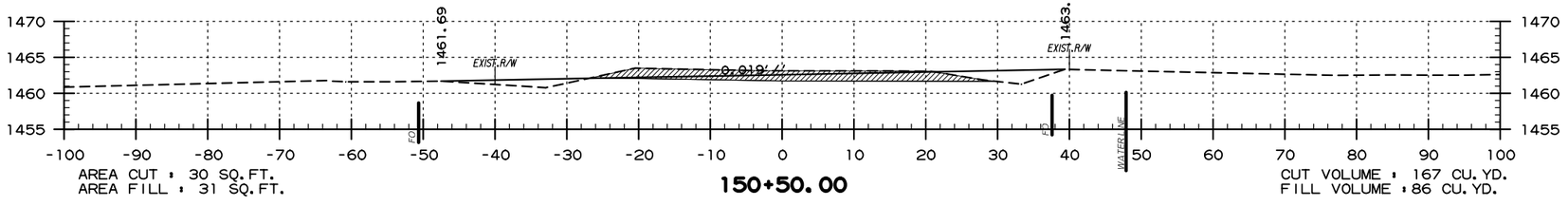
CUT VOLUME : 188 CU.YD.
FILL VOLUME : 167 CU.YD.




AREA CUT : 12 SQ.FT.
AREA FILL : 13 SQ.FT.

**151+00.00**

CUT VOLUME : 157 CU.YD.
FILL VOLUME : 156 CU.YD.




AREA CUT : 30 SQ.FT.
AREA FILL : 31 SQ.FT.

**150+50.00**

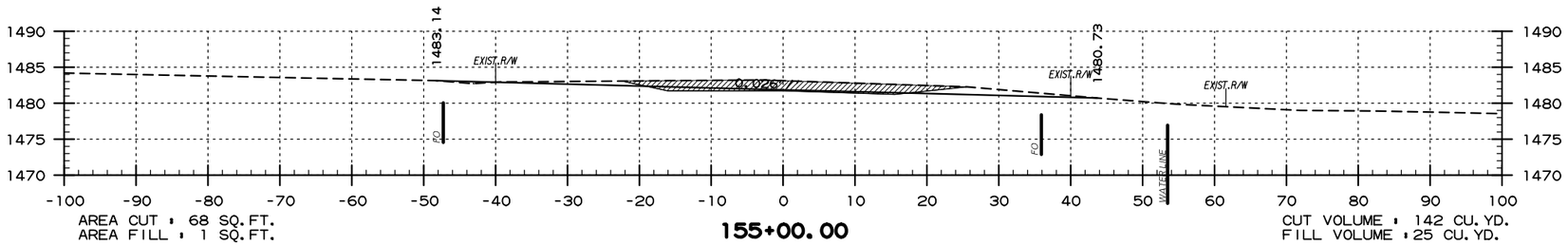
CUT VOLUME : 167 CU.YD.
FILL VOLUME : 86 CU.YD.

**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 150+50 TO STA. 152+50**

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn SCALE: 1:20
PLOTTED: 9/8/2020 09:58

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 149 | 151 |
| | | | | (2) | CROSS SECTIONS | | | |

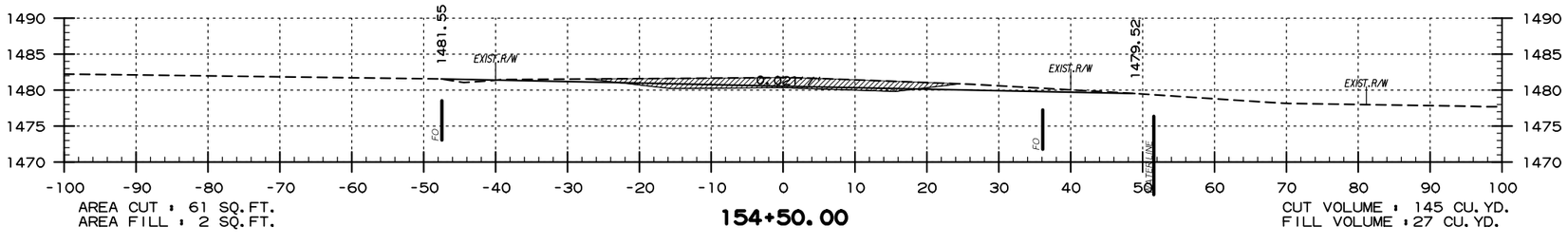
PERI 152541 DRAWING NO. 409/150019




AREA CUT : 68 SQ.FT.
AREA FILL : 1 SQ.FT.

**155+00.00**

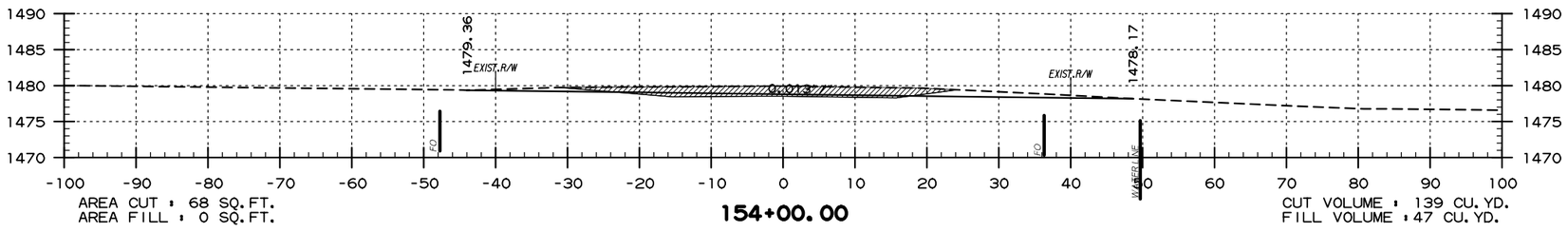
CUT VOLUME : 142 CU.YD.
FILL VOLUME : 25 CU.YD.




AREA CUT : 61 SQ.FT.
AREA FILL : 2 SQ.FT.

**154+50.00**

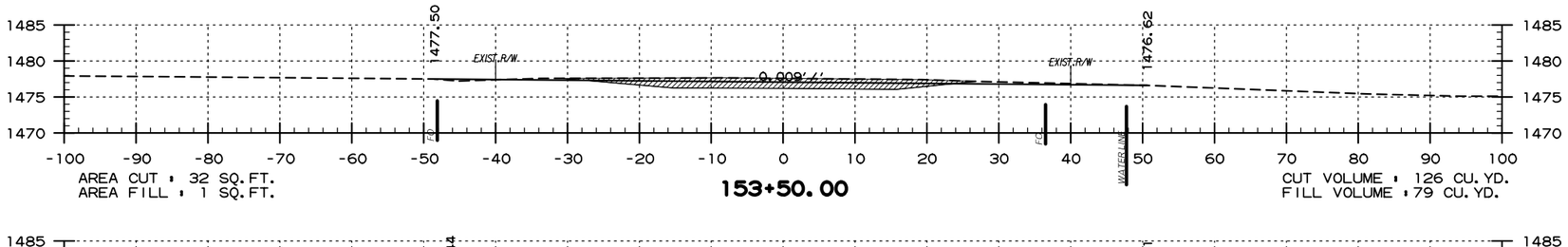
CUT VOLUME : 145 CU.YD.
FILL VOLUME : 27 CU.YD.




AREA CUT : 68 SQ.FT.
AREA FILL : 0 SQ.FT.

**154+00.00**

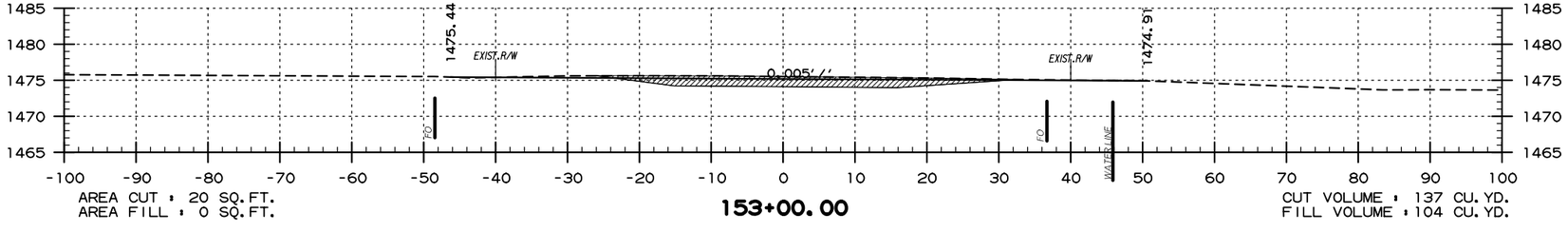
CUT VOLUME : 139 CU.YD.
FILL VOLUME : 47 CU.YD.




AREA CUT : 32 SQ.FT.
AREA FILL : 1 SQ.FT.

**153+50.00**

CUT VOLUME : 126 CU.YD.
FILL VOLUME : 79 CU.YD.




AREA CUT : 20 SQ.FT.
AREA FILL : 0 SQ.FT.

**153+00.00**

CUT VOLUME : 137 CU.YD.
FILL VOLUME : 104 CU.YD.

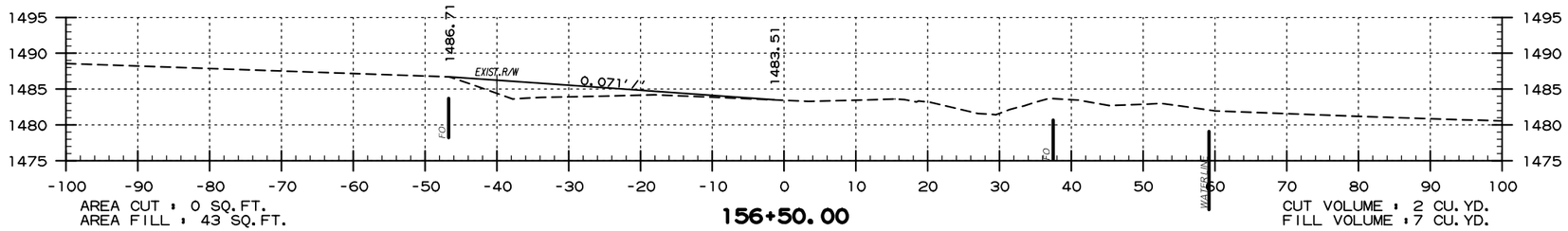
**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 153+00 TO STA. 155+00**

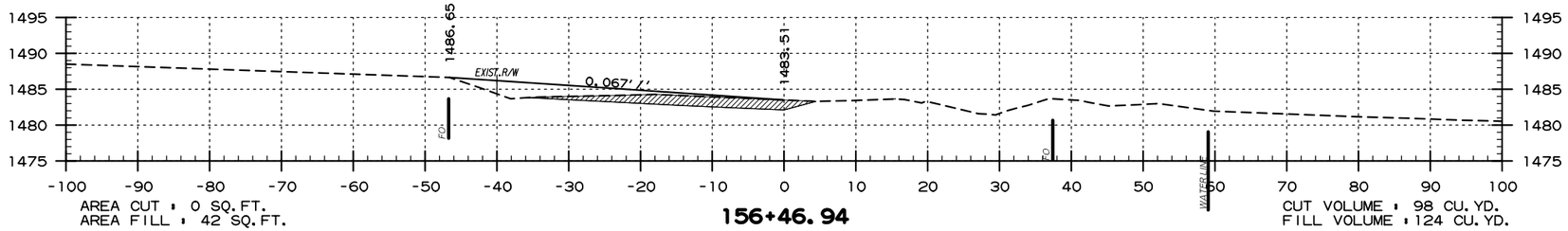
USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

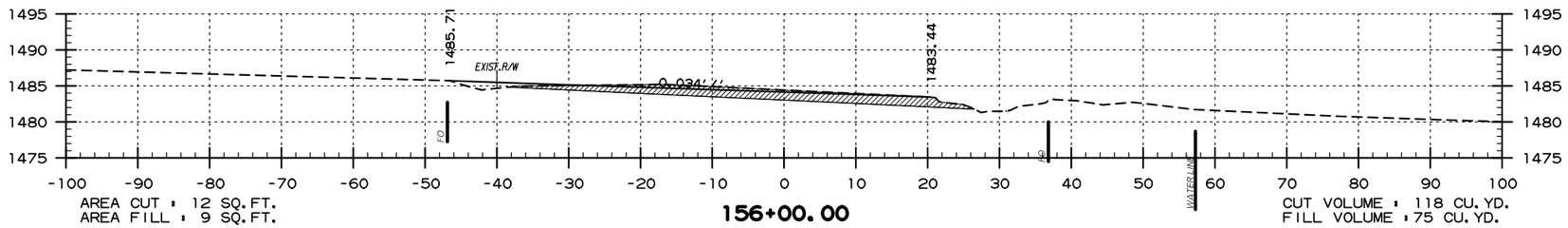
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|---|---|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 090384 | 150 | 151 |

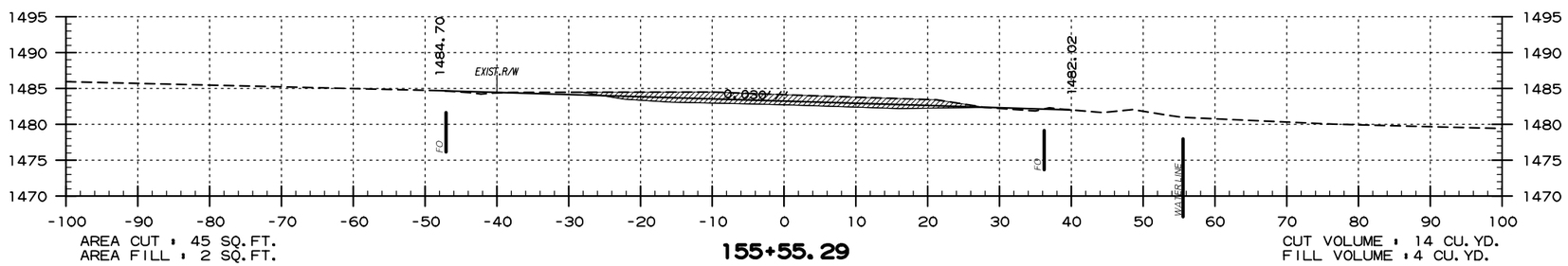
(2) CROSS SECTIONS

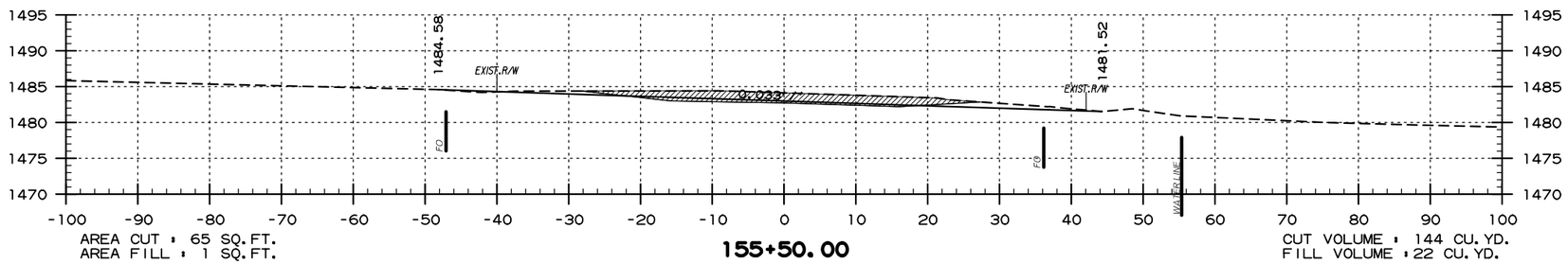
PERI 152541 DRAWING NO. 409/150019




**SITE 5**
**ABANDONED HWY. 62 ROADBED**
**STA. 155+50 TO STA. 156+50**

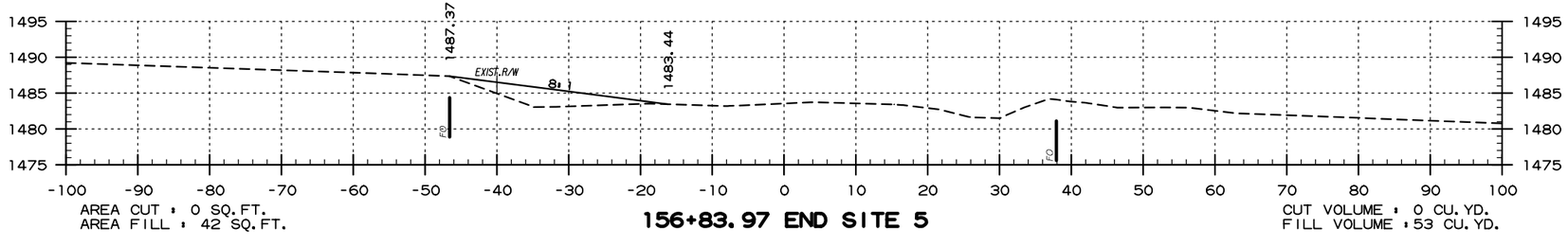
USER: fe513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: h20

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

| FED.RD. DIST.NO. | STATE | FED.AID PROJ.NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | ARK. | | | |
| JOB NO. | | 090384 | 151 | 151 |

(2) CROSS SECTIONS

PERI 152541 DRAWING NO. 409/150019




AREA CUT = 0 SQ.FT.
AREA FILL = 42 SQ.FT.

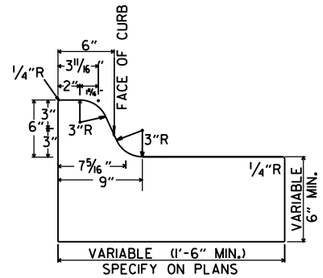
**156+83.97 END SITE 5**

CUT VOLUME = 0 CU.YD.
FILL VOLUME = 53 CU.YD.

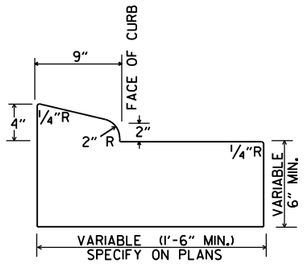
# SITE 5
# ABANDONED HWY. 62 ROADBED
# STA. 156+84 TO STA. 156+84

USER: fs513
DESIGN FILE: G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn
PLOTTED: 9/8/2020 09:58
SCALE: 1:20

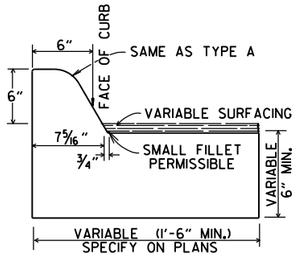
G:\18101900_PeaRidge\TRANSP\dgn\xsect\r090384 XS.dgn 9/8/2020 09:58



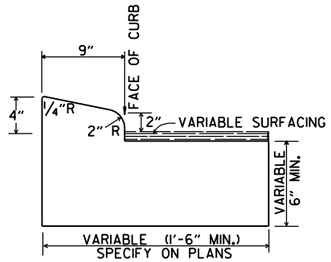

TYPE A



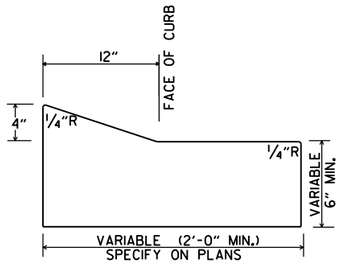

TYPE B-1



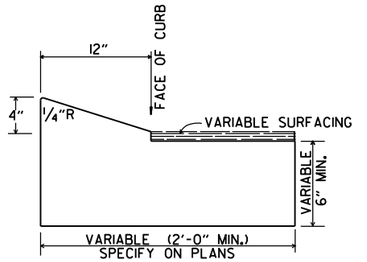

TYPE C




TYPE B-2

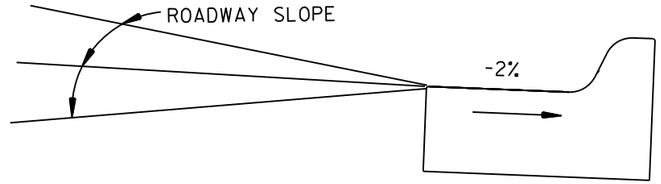



TYPE E-1



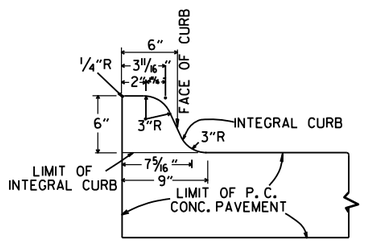

TYPE E-2

# CONCRETE COMBINATION CURB AND GUTTER

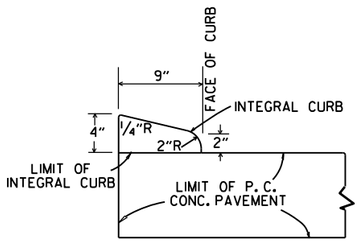



## DETAIL OF GUTTER SLOPE

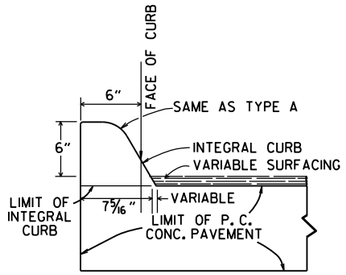
GUTTER SHALL BE CONSTRUCTED ON 2% SLOPE AWAY FROM ROADWAY, REGARDLESS OF ROADWAY SLOPE.




TYPE A

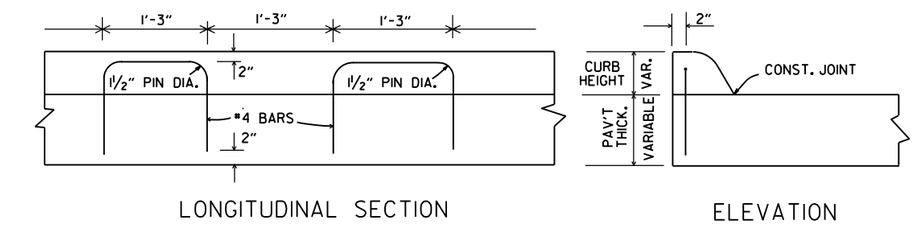



TYPE B




TYPE C

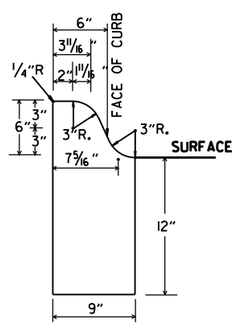
## INTEGRAL CURB



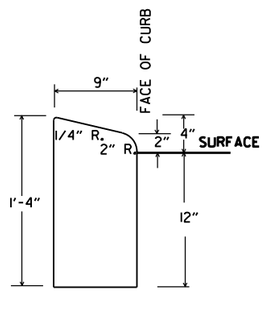

LONGITUDINAL SECTION

ELEVATION

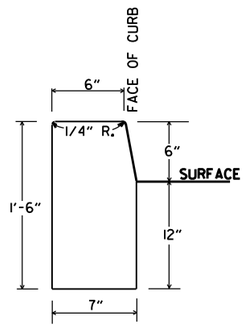
## ALTERNATE CONSTRUCTION METHOD FOR INTEGRAL CURB



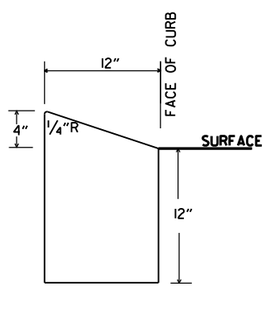

TYPE A




TYPE B

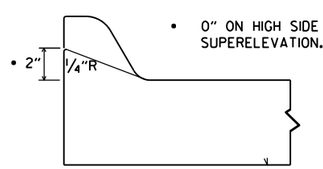



TYPE D




TYPE E

## CONCRETE CURB




NOTE: USE MODIFIED CURB AS SPECIFIED ON STD. DR-1. COMPENSATION FOR MODIFIED CURB WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE TYPE OF CURB OR CURB AND GUTTER SPECIFIED.

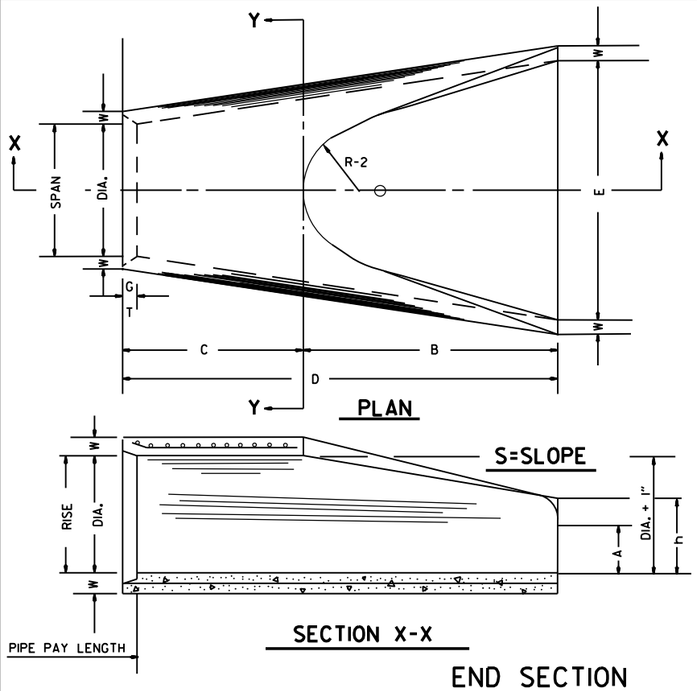
## DETAILS OF MODIFIED CURB

| DATE | REVISION | DATE FILMED |
|---|---|---|
| 11-29-07 | REVISED GUTTER SLOPE & MODIFIED CURB DETAILS | |
| 11-10-05 | ADDED DETAILS OF TYPE E CURBS | |
| 11-16-01 | REVISED CONCRETE CURB TYPE B | |
| 11-18-98 | REVISED MODIFIED CURB | |
| 6-2-94 | ADDED NOTE TO SPECIAL MODIFIED CURB | |
| 8-5-93 | CORRECTED GUTTER SLOPE | 8-5-93 |
| 10-1-92 | ADDED DETAILS OF GUTTER SLOPE | 10-1-92 |
| 5-24-90 | ADDED DETAILS OF MODIFIED CURB | 5-24-90 |
| 11-30-89 | VARIBLE DEPTH TYPE A & B I | 11-30-89 |
| 7-15-88 | REVISED MODIFIED CURB | 630-7-15-88 |
| 11-1-73 | REVISED MODIFIED CURB | 500-11-1-73 |
| 10-2-72 | REVISED AND REDRAWN | 512-10-2-72 |

ARKANSAS STATE HIGHWAY COMMISSION

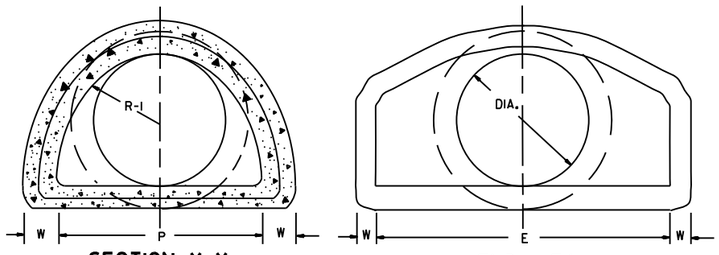
# CURBING DETAILS

STANDARD DRAWING CG-1




## TABLE OF DIMENSIONS

| DIA. | WALL | A | B | C | D | E | S | DIA. + 1" | P | R-1 | R-2 | G-T | WT. | h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18" | 2½" | 9" | 2'-3" | 3'-10" | 6'-1" | 3'-0" | 3:1 | 19" | 29" | 15½" | 12" | 2" | 1000 | 1'-0½" |
| 24" | 3" | 9½" | 3'-7½" | 2'-6" | 6'-1½" | 4'-0" | 3:1 | 25" | 33 3/16" | 16 15/16" | 14" | 2½" | 1600 | 1'-1½" |
| 30" | 3½" | 1'-0" | 4'-6" | 1'-7 3/4" | 6'-1 3/4" | 5'-0" | 3:1 | 31" | 37" | 18½" | 15" | 3¼" | 1940 | 1'-4 5/8" |
| 36" | 4" | 1'-3" | 5'-3" | 2'-10 3/4" | 8'-1 3/4" | 6'-0" | 3:1 | 37" | 47 13/16" | 24 5/16" | 20" | 3½" | 4100 | 1'-8" |
| 42" | 4½" | 1'-9" | 5'-3" | 2'-11" | 8'-2" | 6'-6" | 3:1 | 43" | 53⅞" | 27½" | 22" | 3½" | 5380 | 2'-2½" |
| 48" | 5" | 2'-0" | 6'-0" | 2'-2" | 8'-2" | 7'-0" | 3:1 | 49" | 56½" | 28½" | 22" | 3½" | 6550 | 2'-6" |
| 54" | 5½" | 2'-4" | 6'-6" | 1'-10" | 8'-4" | 7'-6" | 3:1 | 55" | 65½" | 33⅛" | 24" | 4" | 8750 | 2'-10½" |
| 60" | 6" | 2'-10" | 6'-6" | 1'-10" | 8'-4" | 8'-0" | 3:1 | 61" | 72½" | 36 11/16" | 24" | 4" | 9270 | 3'-5" |
| 72" | 7" | 3'-10" | 6'-6" | 1'-10" | 8'-4" | 9'-0" | 3:1 | 73" | 77 13/16" | 38 15/16" | 24" | 5" | 13250 | 4'-6" |

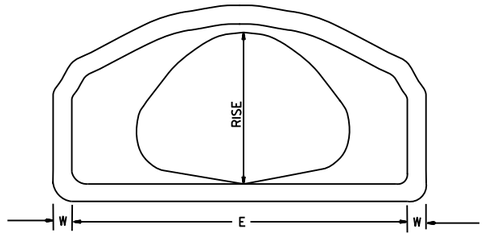



NOTE: TONGUE END ON UPSTREAM SECTION
GROOVE END ON DOWNSTREAM SECTION

## ARCH PIPE

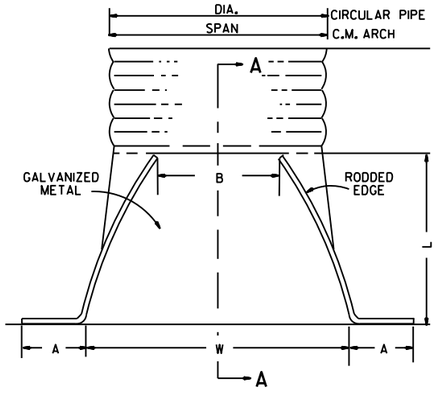
| EQUIV. DIA. | • SPAN AASHTO M 206 | • SPAN AHD NOMINAL | • RISE AASHTO M 206 | • RISE AHD NOMINAL | W | A | B | C | D | E | P | R2 | G-T | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INCHES | | | | | | | | | | | | | |
| 15 | 18 | 18 | 11 | 11 | 2" | 4" | 2'-0" | 4'-0" | 6'-0" | 3'-0" | 29" | 12" | 1½" | 2½:1 |
| 18 | 22 | 22 | 13½ | 14 | 2½" | 5" | 2'-0" | 4'-1" | 6'-1" | 3'-6" | 32⅛" | 13" | 2½" | 2½:1 |
| 21 | 26 | 26 | 15½ | 16 | 2¾" | 7" | 2'-3" | 3'-10" | 6'-1" | 4'-0" | 34⅛" | 14" | 2½" | 2½:1 |
| 24 | 28½ | 29 | 18 | 18 | 3" | 9" | 2'-3" | 3'-10" | 6'-1" | 5'-0" | 36 11/16" | 15" | 2½" | 2½:1 |
| 30 | 36¼ | 36 | 22½ | 23 | 3½" | 10" | 3'-1" | 3'-0½" | 6'-1½" | 6'-0" | 47 11/16" | 20" | 3" | 2½:1 |
| 36 | 43¾ | 44 | 26⅜ | 27 | 4" | 10½" | 4'-0" | 2'-11½" | 6'-1½" | 6'-6" | 54 5/16" | 22" | 3½" | 2½:1 |
| 42 | 51⅛ | 51 | 31 5/16 | 31 | 4½" | 11½" | 4'-7" | 1-10¼" | 6'-5¼" | 7'-2" | 59½" | 23" | 3¾" | 2½:1 |
| 48 | 58½ | 59 | 36 | 36 | 5" | 1'-3" | 5'-3" | 2'-10¾" | 8'-1¾" | 7'-10" | 70 5/16" | 24" | 4¼" | 2½:1 |
| 54 | 65 | 65 | 40 | 40 | 5½" | 1'-7" | 5'-3" | 2'-11" | 8'-2" | 8'-6" | 72 1/16" | 24" | 4¾" | 2¼:1 |
| 60 | 73 | 73 | 45 | 45 | 6" | 1'-10" | 5'-6" | 2'-8" | 8'-2" | 9'-0" | 77 1/16" | 24" | 5" | 2¼:1 |

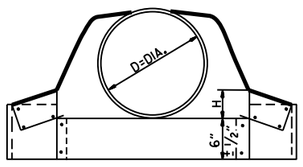
• THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PER CENT FROM THE VALUES SPECIFIED BY AASHTO M 206.



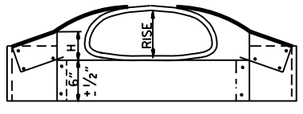

END VIEW
CONCRETE ARCH PIPE

# END SECTION FOR REINFORCED CONCRETE PIPE CULVERTS




CIRCULAR PIPE




C.M. ARCH PIPE

## CIRCULAR PIPE

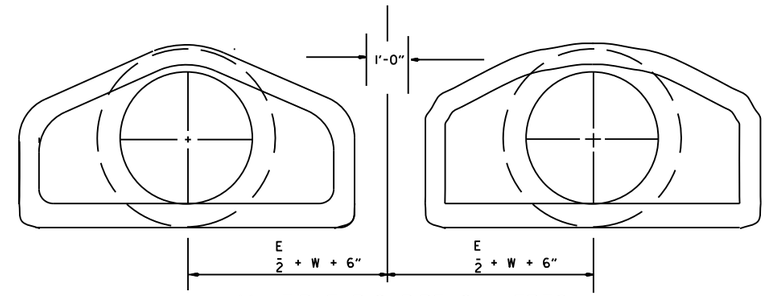
| D. DIA. | GAUGE | A 1" ± | B. MAX. | H 1" ± | L 1½" ± | W 2" ± | S |
|---|---|---|---|---|---|---|---|
| | | INCHES | | | | | |
| 12 | 16 | 6 | 6 | 6 | 21 | 24 | 2½:1 |
| 15 | 16 | 7 | 8 | 6 | 26 | 30 | 2½:1 |
| 18 | 16 | 8 | 10 | 6 | 31 | 36 | 2½:1 |
| 21 | 16 | 9 | 12 | 6 | 36 | 42 | 2½:1 |
| 24 | 16 | 10 | 13 | 6 | 41 | 48 | 2½:1 |
| 30 | 14 | 12 | 16 | 8 | 51 | 60 | 2½:1 |
| 36 | 14 | 14 | 19 | 9 | 60 | 72 | 2½:1 |
| 42 | 12 | 16 | 22 | 11 | 69 | 84 | 2½:1 |
| 48 | 12 | 18 | 27 | 12 | 78 | 90 | 2½:1 |
| 54 | 12 | 18 | 30 | 12 | 84 | 102 | 2:1 |
| 60 | 12 | 18 | 33 | 12 | 87 | 114 | 1¾:1 |
| 66 | 12 | 18 | 36 | 12 | 87 | 120 | 1½:1 |
| 72 | 12 | 18 | 39 | 12 | 87 | 126 | 1 1/3:1 |

## C.M. ARCH PIPE

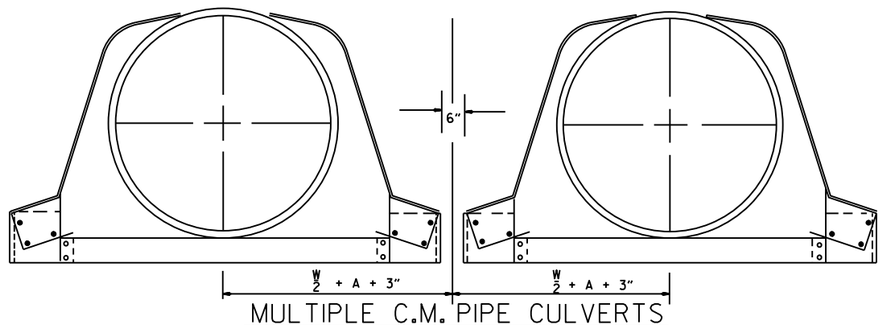
| EQUIV. DIA. | SPAN | RISE | A 1" ± | B MAX. | H 1" ± | L 1½" ± | W 2" ± | S | GAUGE |
|---|---|---|---|---|---|---|---|---|---|
| | INCHES | | | | | | | | |
| 15" | 17 | 13 | 7 | 9 | 6 | 19 | 30 | 2½:1 | 16 |
| 18" | 21 | 15 | 7 | 10 | 6 | 23 | 36 | 2½:1 | 16 |
| 21" | 24 | 18 | 8 | 12 | 6 | 28 | 42 | 2½:1 | 16 |
| 24" | 28 | 20 | 9 | 14 | 6 | 32 | 48 | 2½:1 | 16 |
| 30" | 35 | 24 | 10 | 16 | 6 | 39 | 60 | 2½:1 | 14 |
| 36" | 42 | 29 | 12 | 18 | 8 | 46 | 75 | 2½:1 | 14 |
| 42" | 49 | 33 | 13 | 21 | 9 | 53 | 85 | 2½:1 | 12 |
| 48" | 57 | 38 | 18 | 26 | 12 | 63 | 90 | 2½:1 | 12 |
| 54" | 64 | 43 | 18 | 30 | 12 | 70 | 102 | 2¼:1 | 12 |
| 60" | 71 | 47 | 18 | 33 | 12 | 77 | 114 | 2¼:1 | 12 |

NOTE: ALTERNATE CONNECTIONS TO THE PIPE CULVERTS, IN ACCORDANCE WITH MANUFACTURER'S STANDARD PRACTICES, MAY BE MADE SUBJECT TO THE APPROVAL OF THE ENGINEER.

# END SECTIONS FOR CORRUGATED METAL PIPE CULVERTS




MULTIPLE R.C. PIPE CULVERTS



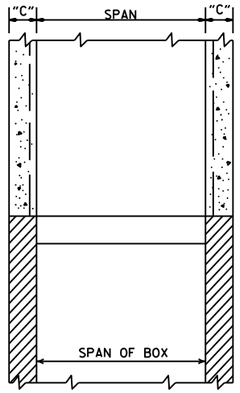

MULTIPLE C.M. PIPE CULVERTS

| DATE | REVISION | FILMED |
|---|---|---|
| 10-18-96 | REVISED ASTM REF. TO AASHTO | |
| 5-15-80 | REVISED DISTANCE BETWEEN MULTIPLE R.C.P. F.E.S. | 664-5-15-80 |
| 7-14-78 | C.M. ARCH SIZES TO CONFORM WITH AASHTO SIZES | 752-7-14-78 |
| 8-22-75 | ADDED MULTIPLE PIPE CULVERTS | 517-8-22-75 |
| 12-5-74 | REMOVED NOTE RE REINF. FOR R.C. F.E.S. | 500-12-5-74 |
| 5-24-73 | CMP END SECTION, SHOW PIPE PAY LENGTH | 627-5-24-73 |
| 10-2-72 | REVISED AND REDRAWN | 760-10-2-72 |

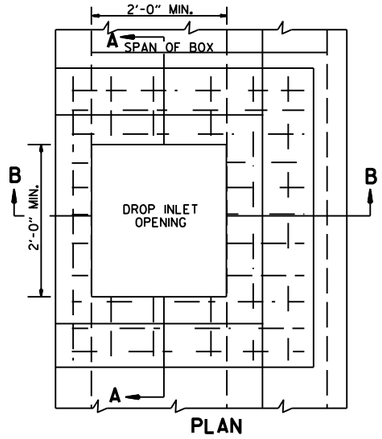
ARKANSAS STATE HIGHWAY COMMISSION

FLARED END SECTION

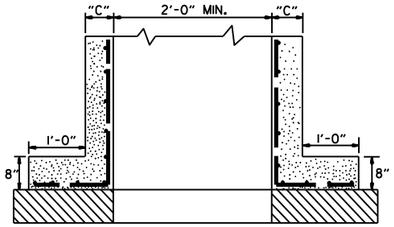
STANDARD DRAWING FES-2



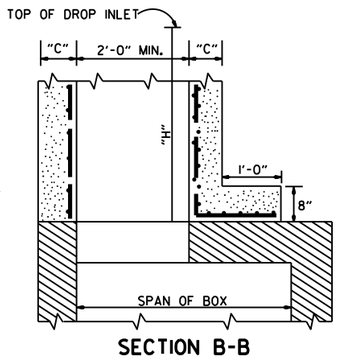

SECTION B-B




PLAN

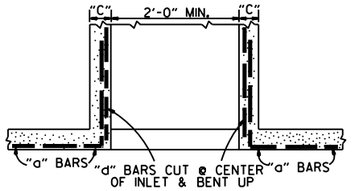



SECTION A-A

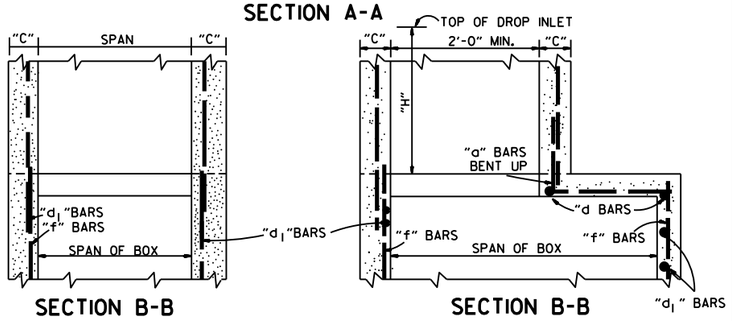



SECTION B-B

## METHOD OF CONSTRUCTING DROP INLET ON EXISTING R.C. BOX CULVERT



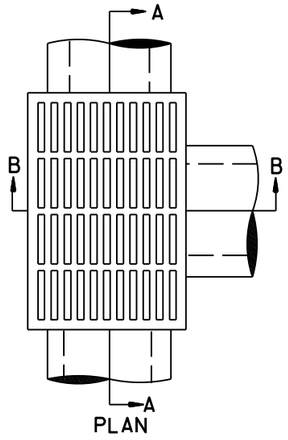

SECTION A-A



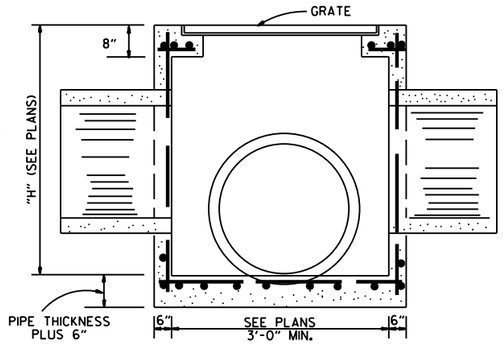

SECTION B-B SECTION B-B

## METHOD OF CONSTRUCTING DROP INLET ON NEW R.C. BOX CULVERT

NOTE: "C" DIMENSIONS AND REINFORCING BAR SIZES, SHALL CONFORM TO THOSE SHOWN ON STANDARD DRAWING FOR DROP INLET.

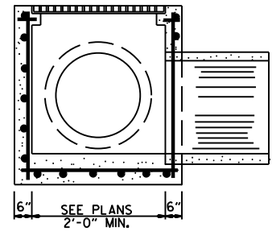



PLAN



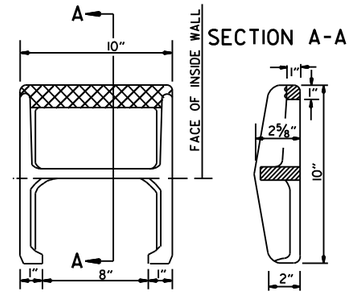

SECTION A-A

NOTE: REINF. BARS TO BE #4 BARS ON 6" CTRS. WITH 1½" MIN. COVER. THIS TYPE DROP INLET TO BE USED WHERE NOT SUBJECTED TO TRAFFIC.




SECTION B-B

## DROP INLET (TYPE E)

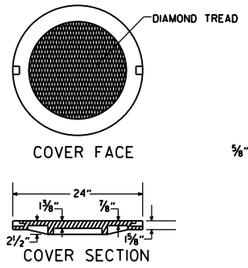



APPROX. WEIGHT = 11 LBS. (CAST IRON)

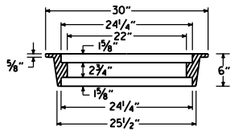
PLAN

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

## DETAIL OF STEP FOR DROP INLET



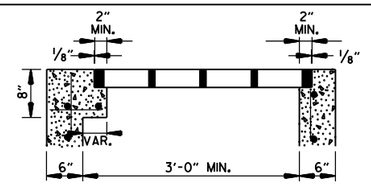

COVER SECTION



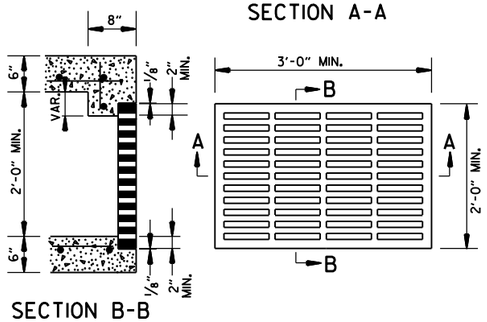

RING SECTION

APPROXIMATE TOTAL WEIGHT = 333 LBS.

## HEAVY DUTY RING & COVER



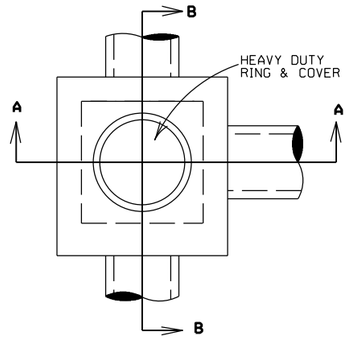

SECTION A-A



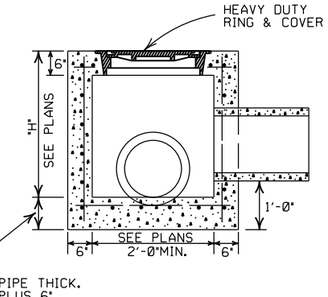

SECTION B-B

APPROXIMATE MINIMUM WATERWAY OPENING = 260 SQ. IN.

## GRATE FOR TYPE E DROP INLET

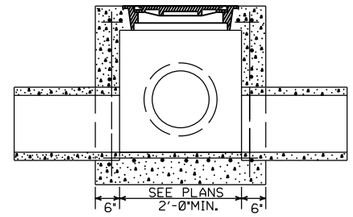



PLAN



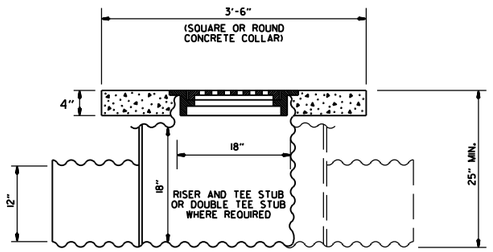

SECTION A-A

NOTE: REINF. BARS TO BE #4 BARS ON 6" CTRS. WITH 1½" MIN. COVER. THIS TYPE JUNCTION BOX TO BE USED WHERE NOT SUBJECTED TO TRAFFIC.

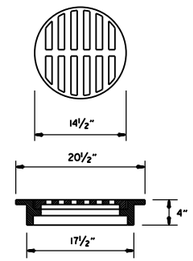



SECTION B-B

## JUNCTION BOX (TYPE E)




NOTE: CONCRETE COLLAR TO BE CAST IN PLACE. 12" PIPE CULVERTS TO BE MEASURED AND PAID FOR AS " 12" SIDE DRAIN ".




USE NEENAH R-5901-C OR EQUIVALENT BICYCLE SAFE FRAME AND GRATE

## DETAIL OF YARD DRAIN

GENERAL NOTES:

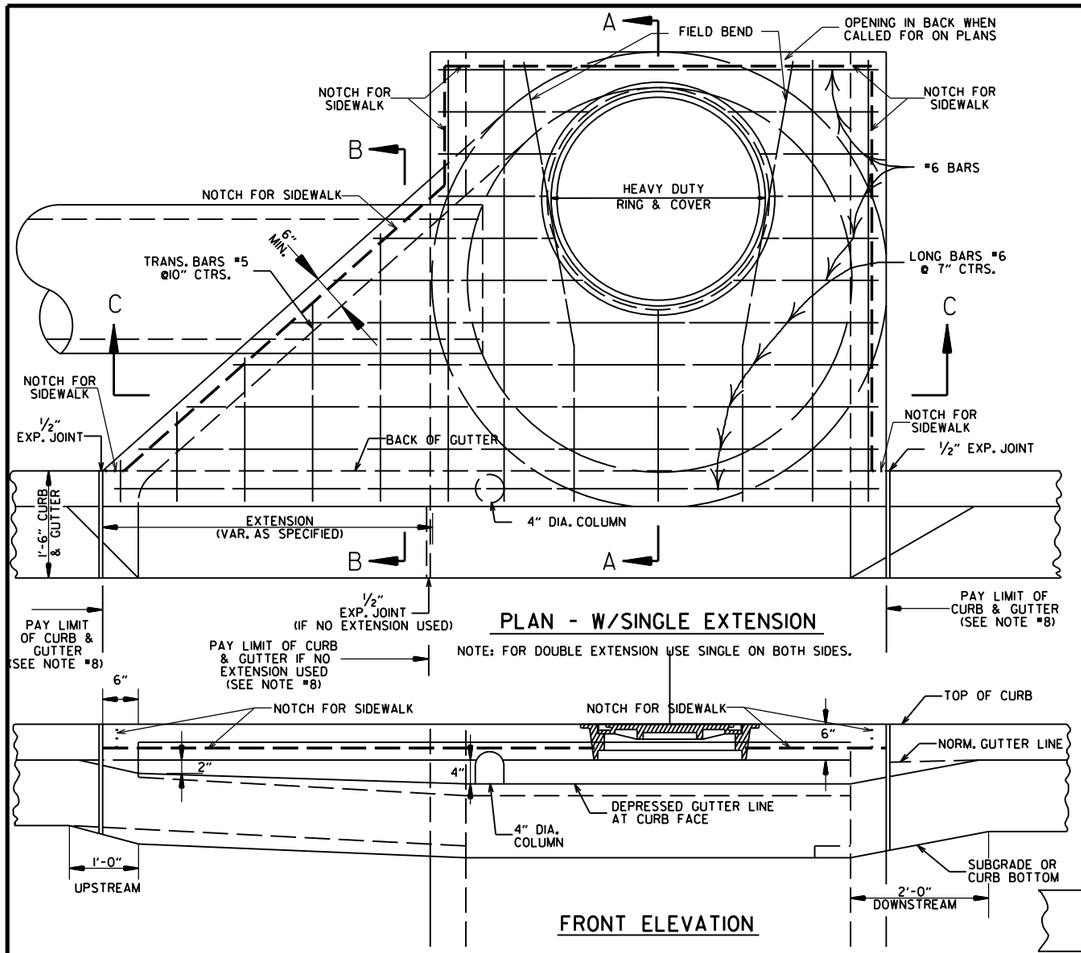
1. ALL EXPOSED CORNERS SHALL BE ¾" CHAMFERED.
2. STEPS SHALL BE INSTALLED ON 16" CENTERS ON ALL INLETS 4'-0" HIGH OR OVER, OR AS APPROVED BY THE ENGINEER.
3. EXPANSION JOINT MATERIAL SHALL BE ¾" PREFORMED FIBER.
4. GRATE OR GRATE AND FRAME SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M 105 CLASS 35B. GRATE MAY BE USED WITHOUT FRAME.
5. GRATE AND FRAME SHALL NOT BE PAINTED.
6. GRATE SHALL BE BICYCLE SAFE.
7. HEAVY DUTY RING SHALL ALWAYS BE INSTALLED WITH FLANGE ON TOP.
8. HEAVY DUTY RING AND COVER SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M105 CLASS 35B & AASHTO M306.
9. HEAVY DUTY RING AND COVER SHALL NOT BE PAINTED.
10. DIMENSIONS SHOWN FOR RING AND COVER ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR CASTINGS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR CASTING DESIGNS MAY BE MADE BY REFERRING TO PREVIOUSLY APPROVED DRAWINGS.

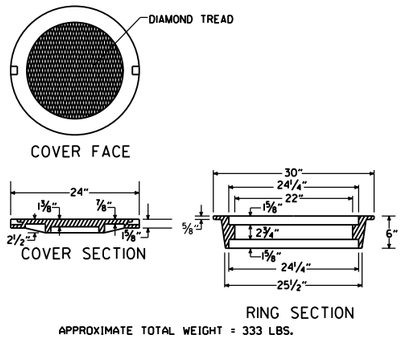
| DATE REV. | REVISION | DATE FILMED |
|---|---|---|
| 11-16-01 | ADDED NOTE 10 | |
| 1-12-00 | REVISED HEAVY DUTY RING & COVER | |
| 7-02-98 | CHANGED GRATE DETAIL, DELETED DI(TYPE D), REPLACED RING & COVER W/HEAVY DUTY RING & COVER, ADDED JUNCTION BOX (TYPE E) | |
| 6-26-97 | ADDED DIMENSION TO TYPE IV-A | |
| 10-18-96 | ADDED DETAIL OF YARD DRAIN | |
| 8-15-91 | DELETE TYPE IV GRATE | |
| 7-15-88 | REVISED STEP DETAIL | |
| 5-20-83 | REVISED DETAILS OF GRATES (TYPE IV & IV-A) | |
| 2-4-83 | ADDED GENERAL NOTE NO. 4 | |
| 3-2-81 | ADDED TYPE IV-A GRATE | |
| 5-22-74 | DELETED INLET (TYPE F) & GRATE (TYPE III) | |
| 10-2-72 | REVISED AND REDRAWN | |

ARKANSAS STATE HIGHWAY COMMISSION

# DETAILS OF DROP INLETS & JUNCTION BOXES

STANDARD DRAWING FPC-9

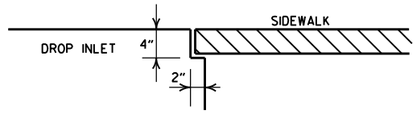


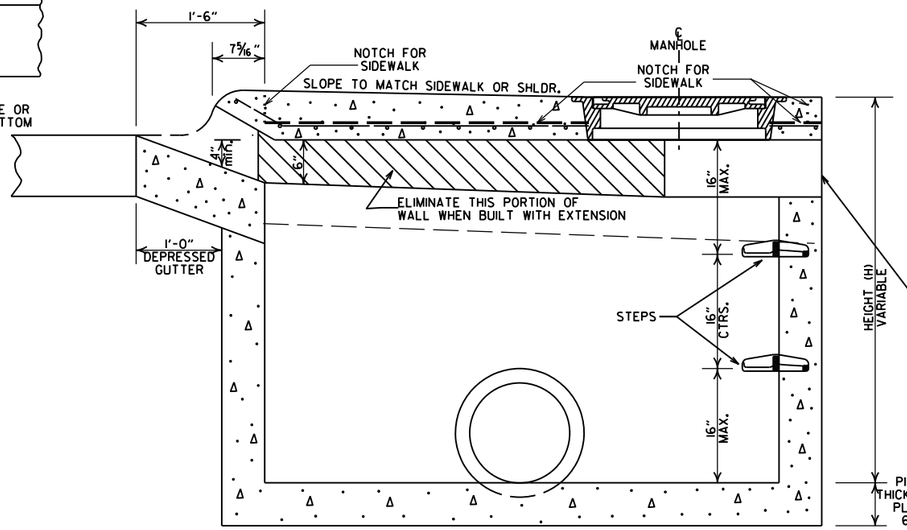

APPROXIMATE TOTAL WEIGHT = 333 LBS.

## HEAVY DUTY RING & COVER

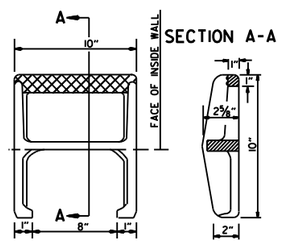
1. HEAVY DUTY RING AND COVER SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M105 CLASS 35B & AASHTO M306.
2. HEAVY DUTY RING AND COVER SHALL NOT BE PAINTED.
3. HEAVY DUTY RING SHALL ALWAYS BE INSTALLED WITH FLANGE ON TOP.




## DETAIL OF NOTCH FOR SIDEWALKS




SECTION A-A



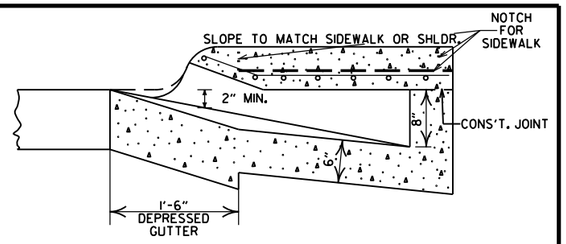

SECTION A-A

APPROX. WEIGHT = 11LBS. (CAST IRON)

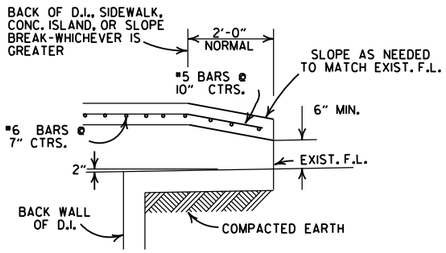
## PLAN

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

## DETAIL OF STEP FOR DROP INLET




SECTION B-B




## BACK OPENING

WHEN OPENING IN BACK IS CALLED FOR ON PLANS EXTEND OPENING AS SHOWN IN DETAIL. PAYMENT TO BE INCLUDED IN PRICE BID FOR DROP INLET (TYPE MO).

GENERAL NOTES:

1. ALL EXPOSED CORNERS TO HAVE ¾" CHAMFER.
2. STEPS SHALL BE INSTALLED IN ALL INLETS 4'-0" HIGH AND OVER OR AS DIRECTED BY THE ENGINEER.
3. ALL REINFORCING BARS SHALL BE GRADE 60 AND HAVE MIN. 1½" COVER.
4. DROP INLETS AND EXTENSION ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
5. 4" DIA. COLUMNS SPACED AT MAX. 4'-0" INTERVALS SHALL BE INSTALLED ALONG INLET AND EXTENSION TO SUPPORT TOP.
6. BASE AND INLET WALLS SHALL BE CAST MONOLITHICALLY.
7. THE THROAT SHALL BE CAST INTEGRALLY WITH THE GUTTER.
8. PAYMENT FOR CURB AND/OR CURB AND GUTTER WITHIN THE LIMITS OF DROP INLETS AND DROP INLET EXTENSIONS SHALL BE CONSIDERED INCLUDED IN PAYMENT MADE FOR DROP INLETS AND/OR DROP INLET EXTENSIONS.
9. PIPES MAY ENTER DROP INLET FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
10. APPROPRIATE SIZE TYPE C DROP INLETS MAY BE SUBSTITUTED FOR TYPE MO DROP INLETS AS APPROVED BY THE ENGINEER. PAYMENT TO BE AS DROP INLET (TYPE MO).
11. DURING CONSTRUCTION OF THE ROADWAY THE CONTRACTOR SHALL MAINTAIN DRAINAGE INTO OR AROUND THE DROP INLET AS APPROVED BY THE ENGINEER.
12. 4"x2" NOTCH SHALL BE FORMED IN ALL DROP INLETS TO SUPPORT SIDEWALK CONSTRUCTION. REFER TO DETAIL OF NOTCH FOR SIDEWALKS.
13. DIMENSIONS SHOWN FOR RING AND COVER ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR CASTINGS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR CASTING DESIGNS MAY BE MADE BY REFERRING TO PREVIOUSLY APPROVED DRAWINGS.

| DIA. OF D.I. | DIA. OF OUTLET PIPE | MINIMUM WALL THICKNESS | |
|---|---|---|---|
| | | CAST IN PLACE | PRECAST |
| 4' I.D. | 12" THRU 27" | 6" | 5" |
| 5' I.D. | 30" THRU 42" | 8" | 6" |
| 6' I.D. | 48" THRU 54" | 8" | 7" |

| DATE | REVISIONS | DATE FILMED |
|---|---|---|
| 8-22-02 | ADDED PAY LIMIT CURB NOTES TO SECTIONS A-A & B-B | |
| 11-16-01 | ADDED NOTE 13 | |
| 1-12-00 | REVISED HEAVY DUTY RING & COVER | |
| 5-13-99 | ADDED NOTCH DETAIL FOR SIDEWALKS | |
| 7-02-98 | REP. NOTE 8, REM. PLAN DET., REV. PICTURE FOR NEW RING & COVER, ADDED HEAVY DUTY RING & COVER AND DETAIL OF STEP FOR DROP INLET | |
| 4-26-96 | ADDED NOTE 11, ADJ. OPENING DIMENSION | |
| 10-12-95 | CORRECTED #6 BAR SPACING | |
| 7-20-95 | CORRECTED DIAMETER OF D.I. IN BOX | |
| 2-2-95 | TYPE C TO MO (OPEN, BACK DETAIL) | |
| 11-3-94 | REVISED GENERAL NOTES | 11-3-94 |
| 4-1-93 | REV. BACK OPEN. DETAIL & NOTE | 4-1-93 |
| 8-16-91 | REVISED NOTES 11,12 & ADDED BK.OPEN DETAIL | 8-15-91 |
| 11-30-89 | ADDED NOTE NO. 12 | 11-30-89 |
| 5-23-89 | ADDED NOTE & MINIMUM WALL THICKNESS | 513-5-23-89 |
| 7-15-88 | ADDED EXTEND NOTE TO SECTION A-A | 629-7-15-88 |
| 1-14-87 | MODIFIED WALL THICKNESS | 783-1-14-87 |
| 6-12-87 | ISSUED | 4-6-12-87 |

ARKANSAS STATE HIGHWAY COMMISSION

# DETAILS OF DROP INLET (TYPE MO)

STANDARD DRAWING FPC-9M

## REINFORCED CONCRETE ARCH PIPE DIMENSIONS

| EQUIV. DIA. | SPAN | | RISE | |
|---|---|---|---|---|
| | AASHTO M 206 | ARDOT NOMINAL | AASHTO M 206 | ARDOT NOMINAL |
| INCHES | INCHES | | | |
| 15 | 18 | 18 | 11 | 11 |
| 18 | 22 | 22 | 13½ | 14 |
| 21 | 26 | 26 | 15½ | 16 |
| 24 | 28½ | 29 | 18 | 18 |
| 30 | 36¼ | 36 | 22½ | 23 |
| 36 | 43⅜ | 44 | 26⅝ | 27 |
| 42 | 51⅛ | 51 | 31⅜ | 31 |
| 48 | 58½ | 59 | 36 | 36 |
| 54 | 65 | 65 | 40 | 40 |
| 60 | 73 | 73 | 45 | 45 |
| 72 | 88 | 88 | 54 | 54 |
| 84 | 102 | 102 | 62 | 62 |
| 90 | 115 | 115 | 72 | 72 |
| 96 | 122 | 122 | 77½ | 77 |
| 108 | 138 | 138 | 87⅛ | 87 |
| 120 | 154 | 154 | 96⅞ | 97 |
| 132 | 168¾ | 169 | 106½ | 107 |

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M206.

## REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE DIMENSIONS

| EQUIV. DIA. | AASHTO M 207 | |
|---|---|---|
| | SPAN | RISE |
| INCHES | INCHES | |
| 18 | 23 | 14 |
| 24 | 30 | 19 |
| 27 | 34 | 22 |
| 30 | 38 | 24 |
| 33 | 42 | 27 |
| 36 | 45 | 29 |
| 39 | 49 | 32 |
| 42 | 53 | 34 |
| 48 | 60 | 38 |
| 54 | 68 | 43 |
| 60 | 76 | 48 |
| 66 | 83 | 53 |
| 72 | 91 | 58 |
| 78 | 98 | 63 |
| 84 | 106 | 68 |

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M207.

## CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE MIDDLE OF THE PIPE.
5. COMPLETE BACKFILL ACCORDING TO SUBSECTION 606.03.(f)(1).

**NOTE: HAUNCH AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF CONCRETE PIPE.**

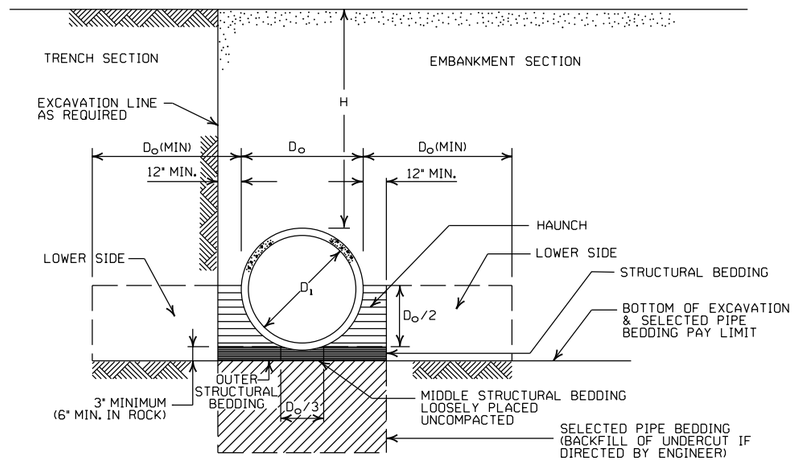
## - LEGEND -

$D_1$ = NORMAL INSIDE DIAMETER OF PIPE
$D_O$ = OUTSIDE DIAMETER OF PIPE
H = FILL COVER HEIGHT OVER PIPE (FEET)
MIN. = MINIMUM
= UNDISTURBED SOIL

| INSTALLATION TYPE | MATERIAL REQUIREMENTS FOR HAUNCH AND STRUCTURAL BEDDING |
|---|---|
| TYPE 1 | AGGREGATE BASE COURSE (CLASS 5 OR CLASS 7) |
| TYPE 2 | SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4) OR TYPE 1 INSTALLATION MATERIAL* |
| TYPE 3** | AASHTO CLASSIFICATION A-1 THRU A-6 SOIL OR TYPE 1 OR 2 INSTALLATION MATERIAL |

* SM-3 WILL NOT BE ALLOWED.

** MATERIALS SHALL NOT INCLUDE ORGANIC MATERIALS OR STONES LARGER THAN 3 INCHES.




## EMBANKMENT AND TRENCH INSTALLATIONS

1. MATERIAL IN THE HAUNCH AND OUTER STRUCTURAL BEDDING SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.
2. FOR TRENCHES WITH WALLS OF NATURAL SOIL, THE DENSITY OF THE SOIL IN THE LOWER SIDE ZONE SHALL BE AS FIRM AS THE 95% DENSITY REQUIRED FOR THE HAUNCH. IF THE EXISTING SOIL DOES NOT MEET THIS CRITERIA, IT SHALL BE REMOVED AND RECOMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OF MATERIAL USED.
3. FOR EMBANKMENTS, THE MATERIAL IN THE LOWER SIDE ZONE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

## GENERAL NOTES

1. CONCRETE PIPE CULVERT CONSTRUCTION SHALL CONFORM TO ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION), WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS. UNLESS OTHERWISE NOTED IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. CONCRETE PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. ALL PIPE SHALL CONFORM TO SECTION 606. CIRCULAR R.C. PIPE CULVERTS SHALL CONFORM TO AASHTO M170, R.C. ARCH PIPE CULVERTS SHALL CONFORM TO AASHTO M206 AND HORIZONTAL ELLIPTICAL PIPE CULVERTS SHALL CONFORM TO AASHTO M207.
4. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
5. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
6. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE. REFER TO STD. DWG. FES-2 FOR MINIMUM CLEARANCE WHERE FLARED END SECTIONS ARE USED.
7. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
8. NOT MORE THAN ONE LIFTING HOLE MAY BE PROVIDED IN CONCRETE PIPE TO FACILITATE HANDLING. HOLE MAY BE CAST IN PLACE, CUT INTO THE FRESH CONCRETE AFTER FORMS ARE REMOVED, OR DRILLED. THE HOLE SHALL NOT BE MORE THAN TWO INCHES IN DIAMETER OR TWO INCHES SQUARE. CUTTING OR DISPLACEMENT OF REINFORCEMENT WILL NOT BE PERMITTED. SPALLED AREAS AROUND THE HOLE SHALL BE REPAIRED IN A WORKMANLIKE MANNER. LIFTING HOLE SHALL BE FILLED WITH MORTAR, CONCRETE, OR OTHER METHOD AS APPROVED BY THE ENGINEER.
9. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
10. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE (ABOVE THE AREA IDENTIFIED ABOVE AS THE HAUNCH), BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."

## MINIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

| | CLASS OF PIPE | | | |
|---|---|---|---|---|
| | CLASS III | | CLASS IV | CLASS V |
| INSTALLATION TYPE | TYPE 1 OR 2 | TYPE 3 | ALL | ALL |
| PIPE ID (IN.) | FEET | | | |
| 12-15 | 2 | 2.5 | 2 | 1 |
| 18-24 | 2.5 | 3 | 2 | 1 |
| 27-33 | 3 | 4 | 2 | 1 |
| 36-42 | 3.5 | 5 | 2 | 1 |
| 48 | 4.5 | 5.5 | 2 | 1 |
| 54-60 | 5 | 7 | 2 | 1 |
| 66-78 | 6 | 8 | 2 | 1 |
| 84-108 | 7.5 | 8 | 2 | 1 |

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

## MAXIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

| INSTALLATION TYPE | CLASS OF PIPE | | |
|---|---|---|---|
| | CLASS III | CLASS IV | CLASS V |
| | FEET | | |
| TYPE 1 | 21 | 32 | 50 |
| TYPE 2 | 16 | 25 | 39 |
| TYPE 3 | 12 | 20 | 30 |

NOTE: IF FILL HEIGHT EXCEEDS 50 FEET, A SPECIAL DESIGN CONCRETE PIPE WILL BE REQUIRED USING TYPE 1 INSTALLATION.

## MINIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

| INSTALLATION TYPE | CLASS OF PIPE | |
|---|---|---|
| | CLASS III | CLASS IV |
| | FEET | |
| TYPE 2 OR TYPE 3 | 2.5 | 1.5 |

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

## MAXIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

| INSTALLATION TYPE | CLASS OF PIPE | |
|---|---|---|
| | CLASS III | CLASS IV |
| | FEET | |
| TYPE 2 | 13 | 21 |
| TYPE 3 | 10 | 16 |

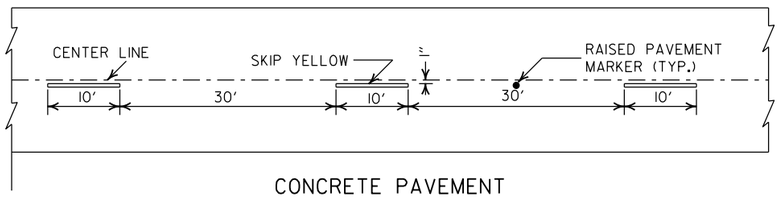
NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

| DATE | REVISION | DATE FILMED |
|---|---|---|
| 2-27-14 | REVISED GENERAL NOTE 1. | |
| 12-15-11 | REVISED FOR LRFD DESIGN SPECIFICATIONS | |
| 5-18-00 | REVISED TYPE 3 BEDDING & ADDED NOTE | |
| 3-30-00 | REVISED INSTALLATIONS | |
| 11-06-97 | ISSUED | |

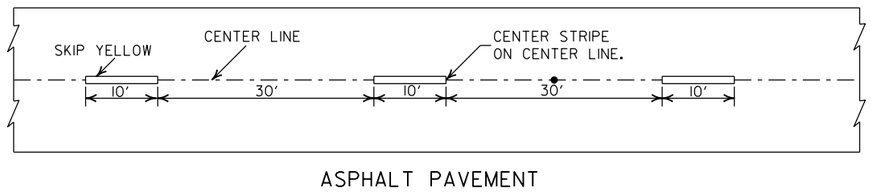
ARKANSAS STATE HIGHWAY COMMISSION

# CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING

STANDARD DRAWING PCC-1

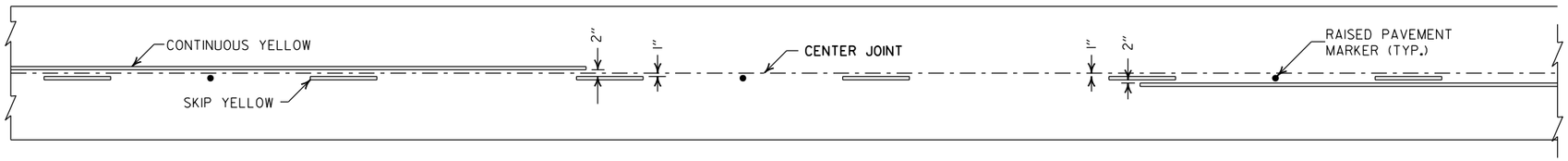



CONCRETE PAVEMENT

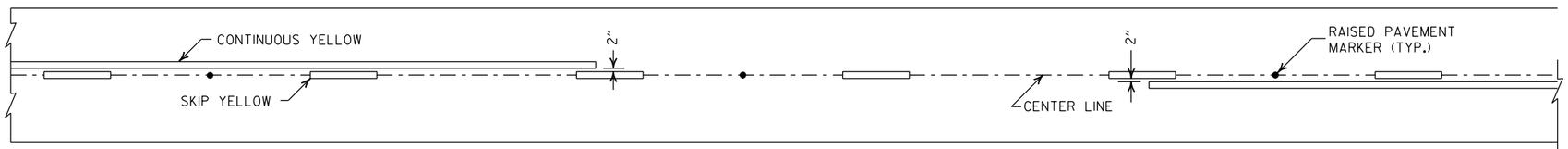



ASPHALT PAVEMENT

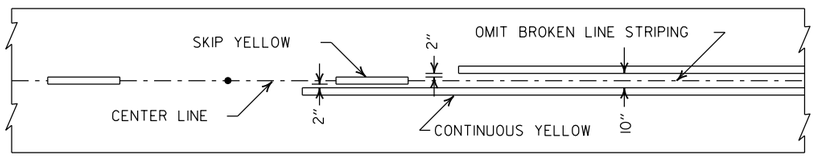
## BROKEN LINE STRIPING



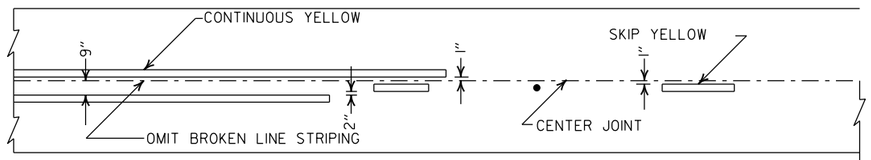

## SOLID LINE STRIPING ON CONCRETE PAVEMENT




## SOLID LINE STRIPING ON ASPHALT PAVEMENT

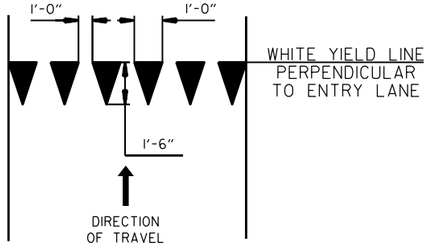



ASPHALT PAVEMENT

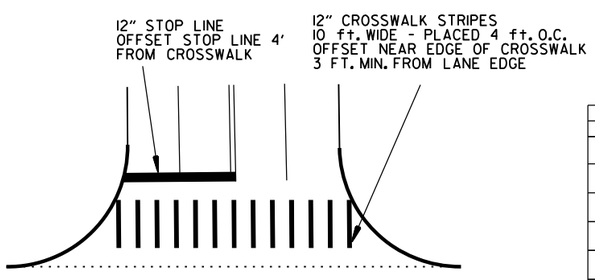



CONCRETE PAVEMENT

## STRIPING AT ADJACENT NO PASSING LANES

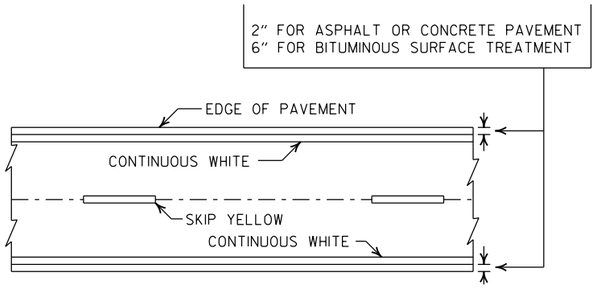



## YIELD LINE DETAIL




## CROSSWALK AND STOP LINE DETAILS

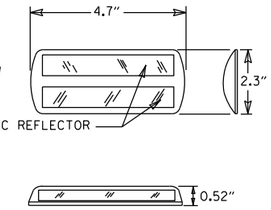
NOTES:
1. REFER TO THE STRIPING DETAILS FOR PAVEMENT MARKING LINE WIDTHS.
2. THIS DRAWING SHALL BE USED IN CONJUNCTION WITH THE LATEST REVISED ADDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
3. RAISED PAVEMENT MARKERS SHALL BE PLACED ON AN 80 FEET SPACING UNLESS OTHERWISE SHOWN IN THE PLANS.




## PAVEMENT EDGE LINE MARKING

NOTE:
THE RED LENS OF THE TYPE II R.P.M. SHALL FACE THE INCORRECT TRAFFIC MOVEMENT.

TYPE II
RED/CLEAR OR
YELLOW/YELLOW




NOTE:
DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE ARDOT QUALIFIED PRODUCTS LIST.

## DETAIL OF STANDARD RAISED PAVEMENT MARKERS

| DATE | REVISION | FILMED |
|---|---|---|
| 2-27-20 | REVISED STOP LINE DETAILS | |
| 6-1-17 | ADDED YIELD LINE DETAIL | |
| 5-12-16 | REVISED LINE WIDTHS, SPACING, & NOTES | |
| 9-12-13 | REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS | |
| 11-17-10 | REVISED GENERAL NOTES & REMOVED PLOWABLE PVMT MRKRS | |
| 11-18-04 | REVISED NOTE 2 & GENERAL NOTES | |
| 8-22-02 | ADDED CROSSWALK & STOPBAR DTLS. | |
| 7-02-98 | ADDED DETAILS OF STD. RAISED PAV'T. MARKERS | |
| 4-26-96 | REV. NOTES 3&4; ADDED R.P.M. | |
| 9-30-80 | DRAWN | 1-9-30-80 |

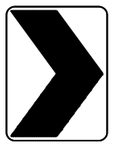
ARKANSAS STATE HIGHWAY COMMISSION

# PAVEMENT MARKING DETAILS

STANDARD DRAWING PM-1

R1-1
30"X30"

W1-3
30"X30"
(LT. OR RT.)



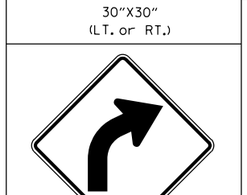
W1-8
18"X24"

W2-5
30"X30"

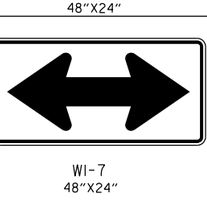
W3-1
36"X36"

W5-1
36"X36"

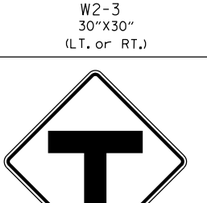
M6-3
21"X15"



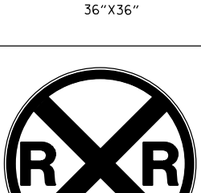

R1-2
36"X36"X36"



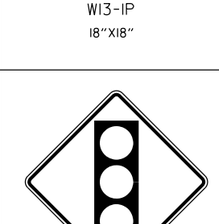
W1-4
30"X30"
(LT. or RT.)



W2-1
30"X30"



S1-1
36"X36"

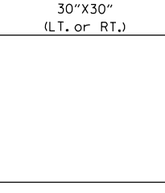


W3-2
36"X36"

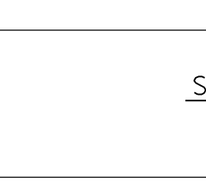
County
Route Marker
M1-6
24"X24"

NOTE: REFLECTORIZED YELLOW LEGEND (COUNTY NAME, ROUTE LETTER & NUMBER) & BORDER ON A BLUE BACKGROUND.

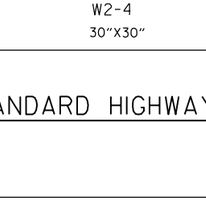
M6-4
21"X15"



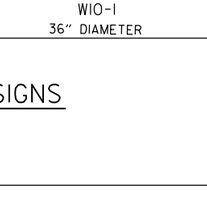

R2-1
24"X30"



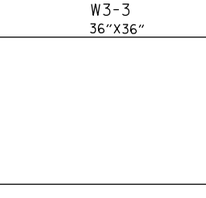
W1-5
30"X30"
(LT. or RT.)



W2-2
30"X30"



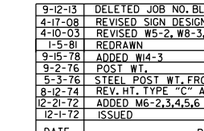

W5-2
36"X36"




W8-3
36"X36"




R1-3P
18"X6"



M6-5
21"X15"



W1-1
30"X30"
(LT. or RT.)



W1-6
48"X24"



W1-7
48"X24"



W2-3
30"X30"
(LT. or RT.)




W5-3
36"X36"




W13-1P
18"X18"



M6-1
21"X15"

NOTE: ALL M6 SIGNS TO BE MADE WITH REFLECTORIZED YELLOW ARROW & BORDER WITH BLUE BACKGROUND.



M6-6
21"X15"



W1-2
30"X30"
(LT. or RT.)



W2-4
30"X30"




W10-1
36" DIAMETER



W3-3
36"X36"



M6-2
21"X15"




S4-3P
24"X8"



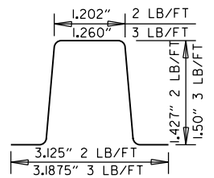

S4-2P
24"X10"



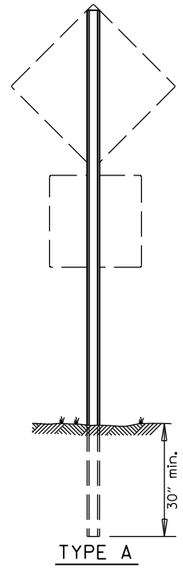

OM-3
12"X36"
(LT. or RT.)

MINIMUM DIMENSIONS SHOWN

SUPPORT SECTION




(U-CHANNEL)
STANDARD SUPPORT
ASSEMBLIES




TYPE A

NOTE: LENGTH OF SIGN POSTS SHALL BE DETERMINED SO AS TO PROVIDE FOR MINIMUM VERTICAL CLEARANCES AS CALLED FOR IN THE SPECIFICATIONS PLUS A MINIMUM VERTICAL PENETRATION OF 30" IN THE SOIL.



TYPE B



TYPE C

MINIMUM WEIGHT

TYPE A & B = 3 LBS./FT.
TYPE C = 2 LBS./FT.

# STANDARD HIGHWAY SIGNS

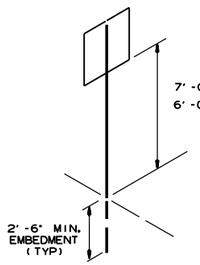
| DATE | REVISION | DATE FILMED |
|---|---|---|
| 9-12-13 | DELETED JOB NO. BLOCK; REVISED RI-3 TO RI-3P | |
| 4-17-08 | REVISED SIGN DESIGNATION - W3-1 & W3-2 | |
| 4-10-03 | REVISED W5-2, W8-3, OM-3; ADDED WI-8 | |
| 1-5-81 | REDRAWN | 960-1-15-81 |
| 9-15-78 | ADDED WI4-3 | 877-9-15-78 |
| 9-2-76 | POST WT. | 623-9-3-76 |
| 5-3-76 | STEEL POST WT. FROM 2"-3"; ADDED S4-2 & S4-3 | 504-5-3-76 |
| 8-12-74 | REV. HT. TYPE "C" ASSEMBLY | 500-8-21-74 |
| 12-21-72 | ADDED M6-2,3,4,5,6 | 500-12-21-72 |
| 12-1-72 | ISSUED | 562-12-1-72 |

# SUPPORT ASSEMBLIES

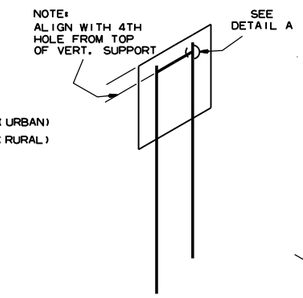
ARKANSAS STATE HIGHWAY COMMISSION

## STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES

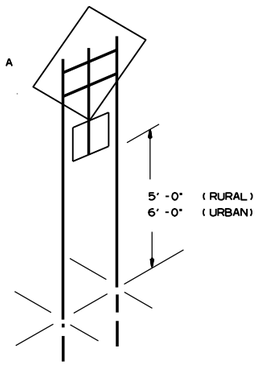
STANDARD DRAWING SHS-1



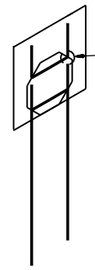

U-1



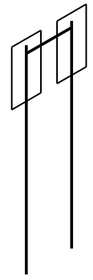

U-2



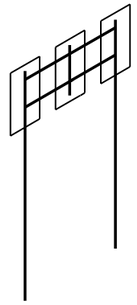

U-2 (A)



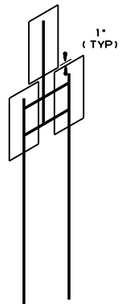

U-2 (B)



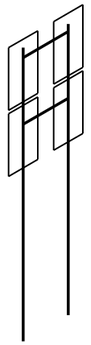
U-2 (1)



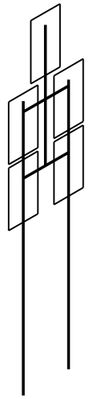
U-2 (2)



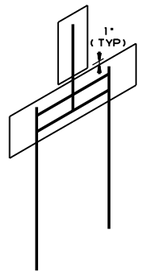

U-2 (3)



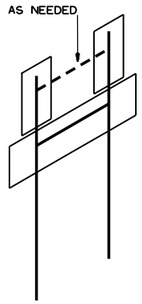
U-2 (4)



U-2 (5)




U-2 (6)

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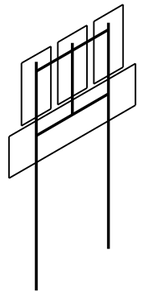

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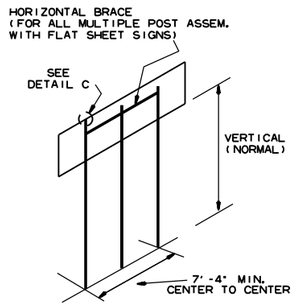
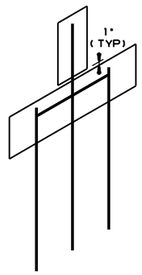
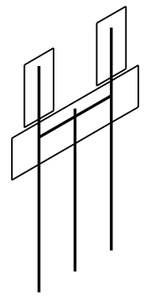



U-3




U-3 (1)



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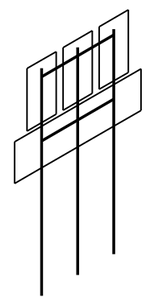

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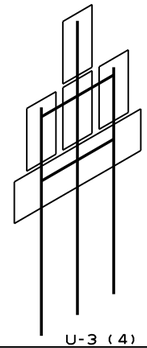

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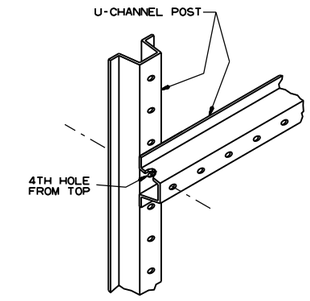
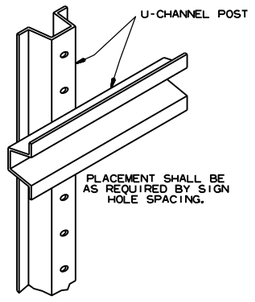


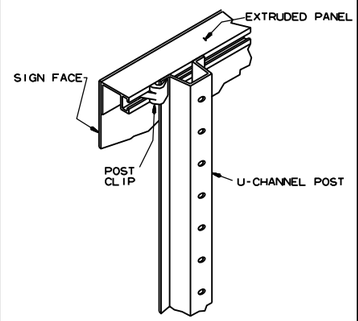

DETAIL A

SHOWING HORIZONTAL BRACE



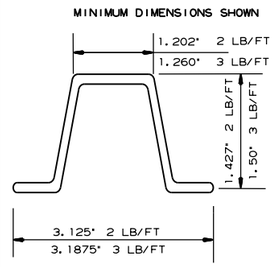

DETAIL B

SHOWING BACK-TO-BACK INSTALLATION



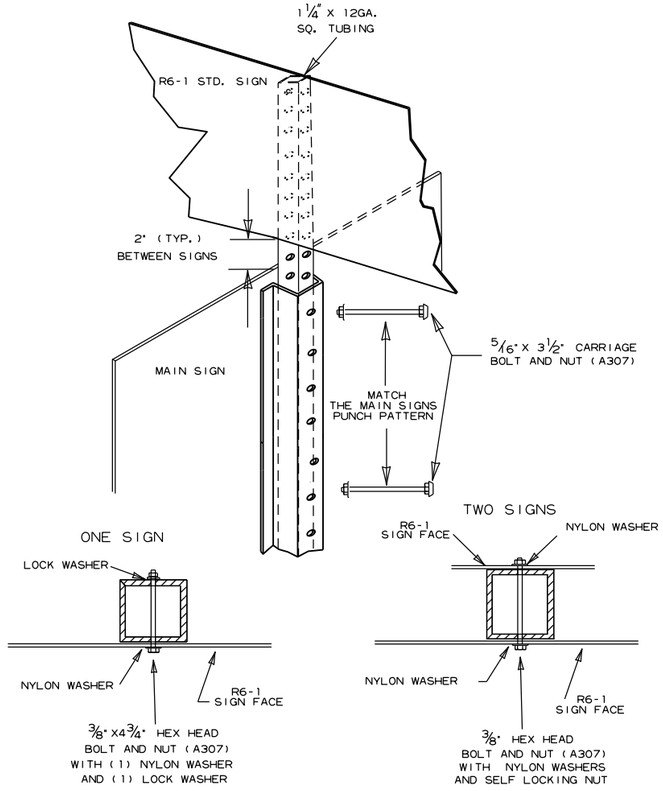

DETAIL C

SHOWING GUIDE SIGN MOUNTING WITH EXTRUDED PANELS



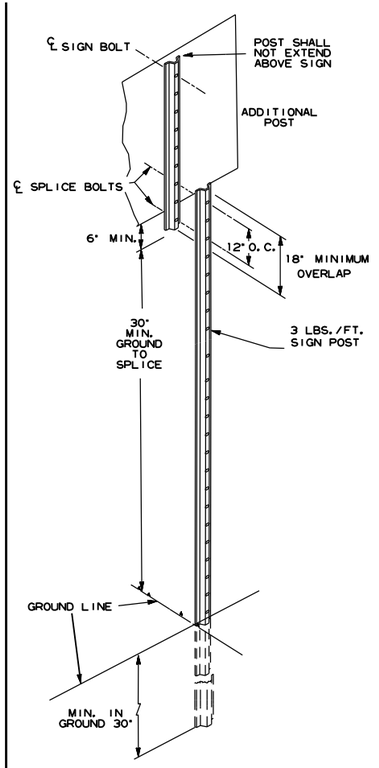

DETAIL C

U-CHANNEL POST




DETAIL E

R6-1 EXTENSION FOR U-CHANNEL POST




DETAIL F

DETAIL OF SPLICES

NOTES:

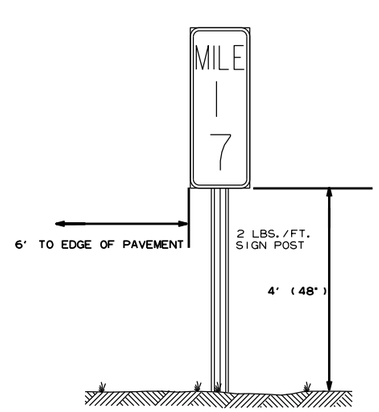
SIGNS AT LEAST 8' IN LENGTH MAY BE INSTALLED ON THREE 3 LB. POST. IN NO CASE SHALL THERE BE MORE THAN TWO 3 LB. POSTS WITHIN A 7' PATH.

SPLICES NECESSARY TO ATTAIN PROPER MOUNTING HEIGHT SHALL BE AS SHOWN IN DETAIL ( F ).

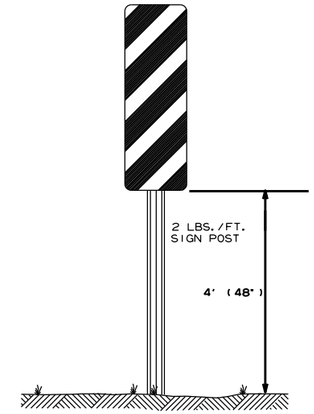
NORMAL INSTALLATIONS WILL REQUIRE 5/16" DIA. CARRIAGE BOLTS TO MOUNT SIGNS TO POST AND TO ASSEMBLE THE VARIOUS POST SUPPORTS.

ALL SIGN POSTS SHALL BE PLUMB.

THE POST FOR "TYPE U" SUPPORTS SHALL BE HOT DIP GALVANIZED.




TYPICAL MILE MARKER INSTALLATION



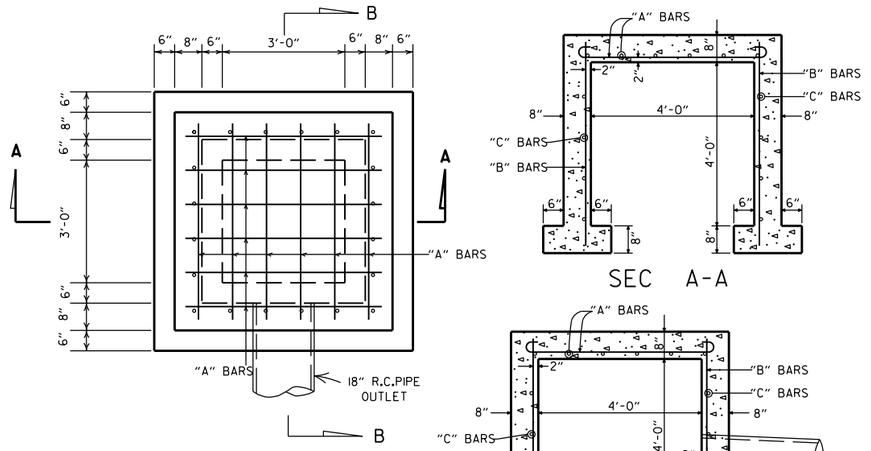

TYPICAL OM-3 INSTALLATION AT EDGE OF OBSTRUCTION

| DATE | REVISION | FILMED |
|---|---|---|
| 7-25-19 | REVISED CARRIAGE BOLT WITH MATERIAL REQUIREMENT | |
| 2-27-14 | REVISED NOTES. | |
| 9-12-13 | REVISED U-2(3), U-2(6), U-3(1), DETAIL D; ADDED DETAILS E & F; ADDED TYPICAL MARKERS | |
| 10-9-03 | REMOVED ROUND POST & REVISED SPACING | |
| 10-12-95 | MOVED UPPER SPLICE | |
| 6-8-95 | REVISED SPLICE DETAIL | 6-8-95 |
| 2-2-95 | REDRAWN | 2-2-95 |

ARKANSAS STATE HIGHWAY COMMISSION

# U-CHANNEL POST ASSEMBLIES

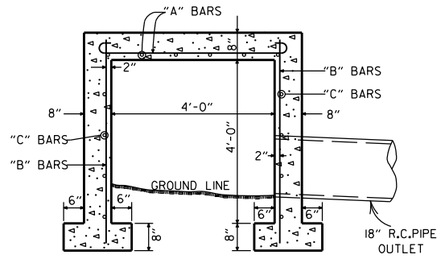
STANDARD DRAWING SHS-2







SEC A-A



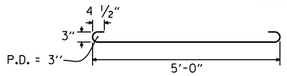

SEC B-B

NOTE: MAX FILL HEIGHT ABOVE TOP OF BOX = 13'-0".

STEEL SCHEDULE

| BARS | NUMBER | LENGTH | SPACING |
|---|---|---|---|
| "A" | 12 | 6'-0" | 10" |
| "B" | 20 | 5'-0" | 10 ½" |
| "C" | 16 | 5'-0" | 12" |

ALL STEEL TO BE #4 BARS




"A" BARS

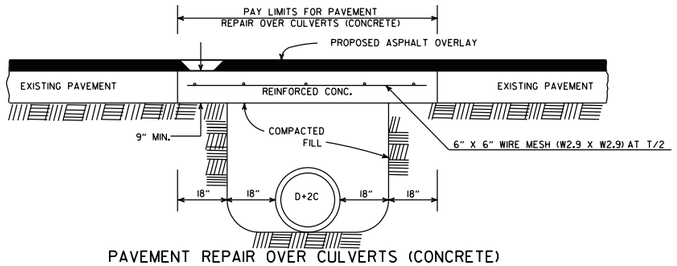
QUANTITIES

CONCRETE 3.31 CU. YDS.
REINFORCING STEEL 168 LB.

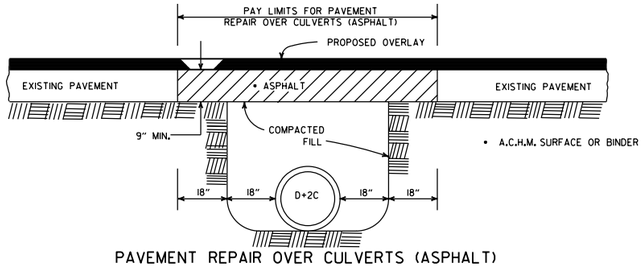
GENERAL NOTE:

THE PAY ITEMS FOR REINFORCED CONCRETE SPRING BOXES SHALL BE FOR THE QUANTITIES OF CONCRETE OF THE CLASS SPECIFIED, REINFORCING STEEL, EXCAVATION FOR STRUCTURES AND 18" R.C. PIPE CULVERT.

## REINFORCED CONCRETE SPRING BOX



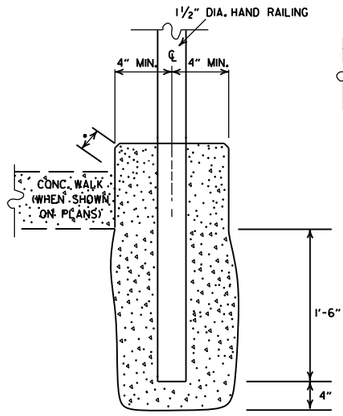

PAVEMENT REPAIR OVER CULVERTS (CONCRETE)



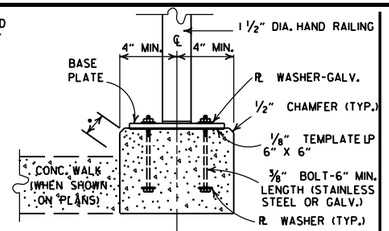

PAVEMENT REPAIR OVER CULVERTS (ASPHALT)

## DETAIL SHOWING REPAIR OF EXISTING PAVEMENT AT CULVERT INSTALLATIONS

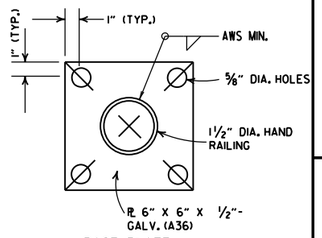
• A 2" MIN. HIGH CURB IS REQUIRED WHEN CONCRETE WALK IS ADJACENT TO THE HAND RAILING. PAYMENT FOR CURB SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR CONCRETE WALKS.




DETAIL OF HAND RAILING SET IN CONCRETE

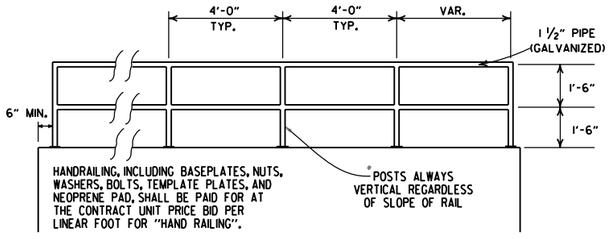



POST CONNECTION TO WALL

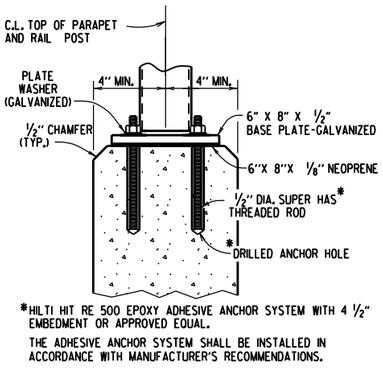



BASE PLATE

## POST CONNECTION DETAILS



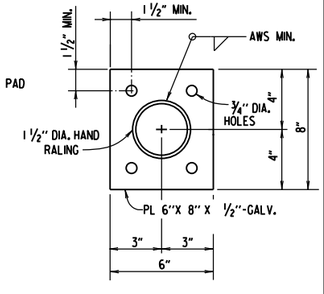

HAND RAILING SHALL CONFORM TO SECTION 633.




*HILTI HIT RE 500 EPOXY ADHESIVE ANCHOR SYSTEM WITH 4 ½" EMBEDMENT OR APPROVED EQUAL.

THE ADHESIVE ANCHOR SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

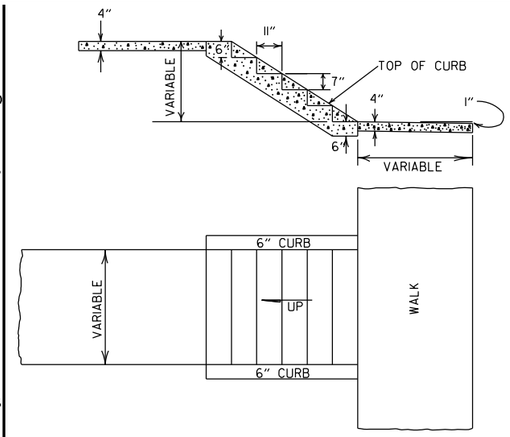
POST CONNECTION TO WALL




BASE PLATE

DETAILS OF ALTERNATE POST ANCHOR SYSTEM (EPOXY ADHESIVE ANCHORS)

## HAND RAILING DETAILS




GENERAL NOTES

1. RISE AND TREAD DIMENSIONS OF STEPS MAY BE VARIED AS DIRECTED BY THE ENGINEER, HOWEVER, TREAD WIDTHS SHALL BE 11" MIN. ALL STEPS IN A FLIGHT SHALL HAVE CONSISTENT TREAD & RISER DIMENSIONS.
2. 1" TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE WALKS AT 45' INTERVALS.

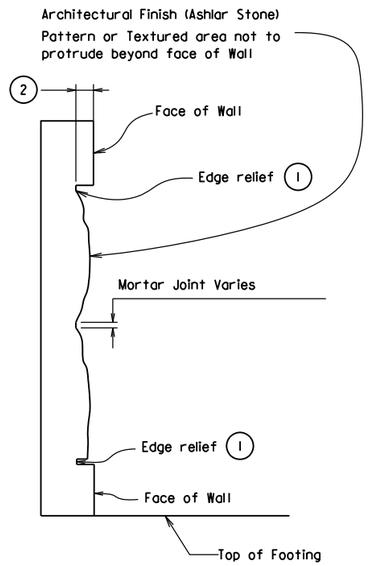
## DETAILS OF CONCRETE STEPS & WALKS

| DATE | REVISION | DATE FILMED |
|---|---|---|
| 10-25-18 | REVISED DETAIL SHOWING REPAIR OF EXISTING PAVEMENT AT CULVERT INSTALLATIONS | |
| 9-12-13 | REVISED REINFORCED CONCRETE SPRING BOX | |
| 7-26-12 | REMOVED RETAINING WALL DETAILS & REVISED HAND RAILING DETAILS | |
| 4-17-08 | REV. JOINT & FOOTING STEP DETAILS | |
| 11-29-07 | REVISED RETAINING WALL DRAINAGE | |
| 5-25-06 | REVISED PVMT REPAIR OVER CULVERTS (CONC); REVISED REINFORCED CONC SPRING BOX | |
| 10-9-03 | REVISED PIPE RAILING DETAILS TO HAND RAILING DETAILS | |
| 4-10-03 | REVISED RETAINING WALL DRAWING | |
| 8-22-02 | ADDED HAND RAILING DETAIL | |
| 11-16-01 | REVISED PVMT REPAIR OVER CULVERTS (CONC); CORRECTED SPELLING IN GENERAL NOTES | |
| 11-18-98 | ADDED GENERAL NOTES TO CONCRETE STEPS & WALKS | |
| 7-02-98 | ENLARGED PIPE | |
| 4-03-97 | ADDED NOTE TO STEEL BAR SCHED. | |
| 10-18-96 | CORRECTED SPELLING | |
| 4-26-94 | ADD WEEP HOLE;REV. JOINT SPACING IN RET. WALL | |
| 6-2-94 | CHANGED CONST. TO CONTRACTION JOINT | |
| 10-1-92 | CHANGED MESH FABRIC TO WIRE MESH | 10-1-92 |
| 8-15-91 | DELETED HDWL MODIFICATION DETAIL | 8-15-91 |
| 11-8-90 | DELETED COLD MIX FROM CULV'T. REPAIR | 11-8-90 |
| 11-30-89 | REV. RETAINING WALL STEEL SCHEDULE | 11-30-89 |
| 11-17-88 | V. BARS BEHIND ARROW | 665-11-17-88 |
| 7-15-88 | REV. PAVEMENT REPAIR ADDED HDWL. MODS, DEL. PIPE UNDERDRAINS | 649-7-15-88 |
| 11-1-84 | REV. TRENCH FOR PIPE UNDERDRAIN | 510-11-1-84 |
| 1-4-83 | ELIMINATED CONC. CLASS & ADDED CHAMFER NOTE | 682-1-4-83 |
| 3-2-81 | SPELLING OF "UNDERDRAIN" | 721-3-2-81 |
| 4-20-79 | REV. UNDERDRAIN DET& PAVEMENT REPAIR | 674-4-20-79 |
| 2-2-76 | 12"MIN. GRAN. MAT'L. OVER PIPE | 919-2-2-76 |
| 4-10-75 | REM. SPECS. FOR GRAN. MAT'L. | 568-4-10-75-853 |
| 5-22-74 | GRANULAR MAT'L. TO BE SB-3 | 567-5-22-74-740 |
| 10-2-72 | REVISED AND REDRAWN | 564-10-16-72 |

ARKANSAS STATE HIGHWAY COMMISSION

# DETAILS OF SPECIAL ITEMS

STANDARD DRAWING SI - 1

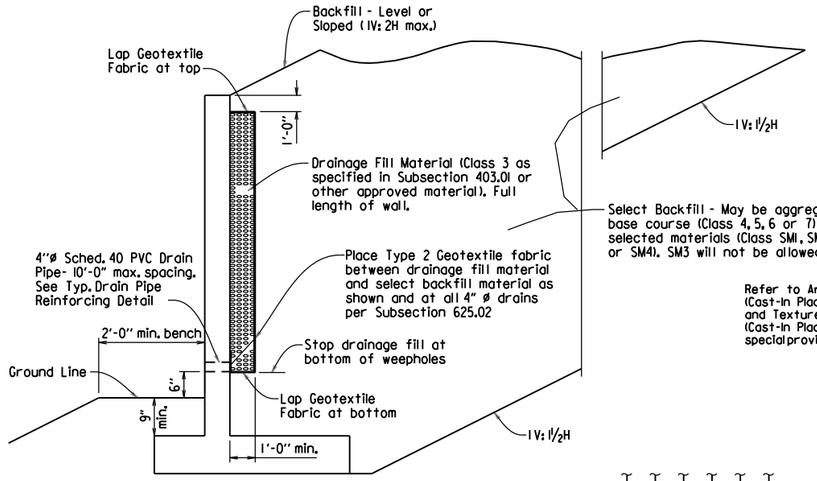



## ARCHITECTURAL FINISH DETAILS

N.T.S.

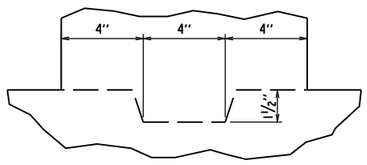
(1) Provide edge relief around perimeter of Texture. Edge relief dimensions shall match manufacturers edge distance.

(2) Depth of Ashlar Stone pattern approx. 1⅝". See SP "Architectural Finish".




## TYPICAL DRAINAGE & BACKFILL DETAILS

N.T.S




## KEYED CONSTRUCTION JOINT DETAIL

N.T.S



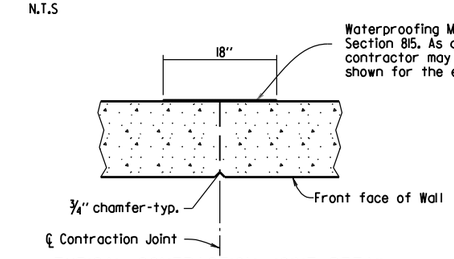

## ASHLAR STONE FINISH DETAIL

NOTES:

Wall pattern shall be applied to the exposed surfaces of wall in accordance with SP "Architectural Finish (Cast-in Place Retaining Walls)" and as shown in the plans. Care shall be taken with form liner handling and installation to ensure aesthetic quality of the wall texturing is maintained. Where form liner panels require modification to conform to the location, dimensions and lines shown in the plans, the Contractor shall provide edge relief matching that of the unaltered form liner. Payment for wall texturing shall be in accordance with SP "Architectural Finish (Cast-in Place Retaining Walls)".

No adjustments will be made in concrete volume due to the use of "Architectural Finish". Class "S" Concrete shall be measured in accordance with Subsection 802.24(a). Care shall be taken in placing concrete to avoid segregation and to eliminate flow lines.

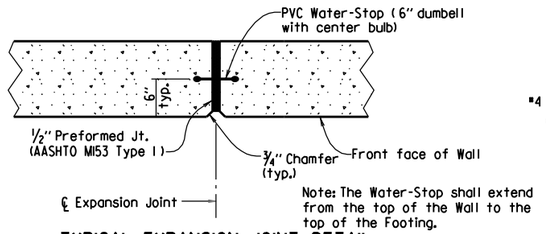
Class 3 Textured Coating Finish shall be applied to wall surfaces as specified in SP "Textured Coating Finish (Cast-in Place Retaining Walls)" and in accordance with Subsection 802.19(b)(3).




## TYPICAL CONTRACTION JOINT DETAIL

N.T.S.

Note: 20'-0" Max. Spacing between Contraction Joints. Horizontal reinforcement shall be continuous through Contraction joints.

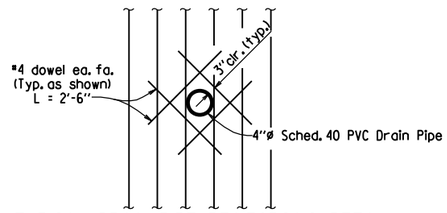



Note: The Water-Stop shall extend from the top of the Wall to the top of the Footing.

## TYPICAL EXPANSION JOINT DETAIL

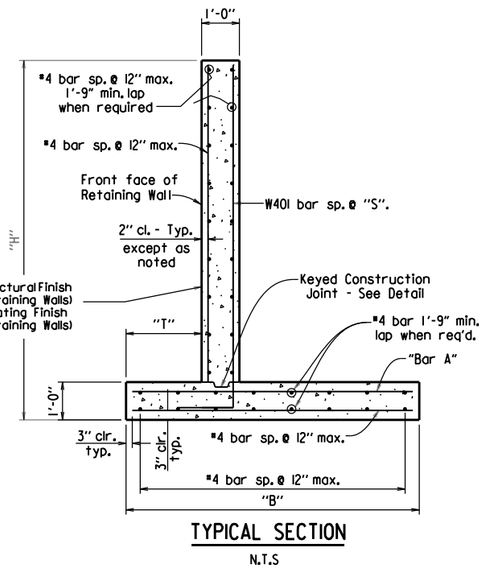
N.T.S.

Note: 60'-0" Max. Spacing between Expansion Joints. Horizontal reinforcing shall stop 2" from ℄ Expansion Joint.



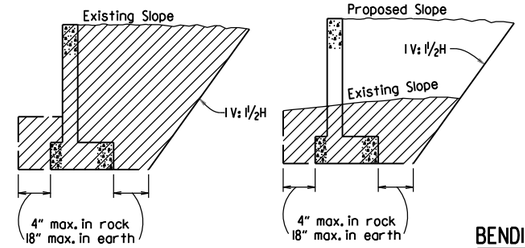

## TYPICAL DRAIN PIPE REINFORCING DETAIL

N.T.S




## TYPICAL SECTION

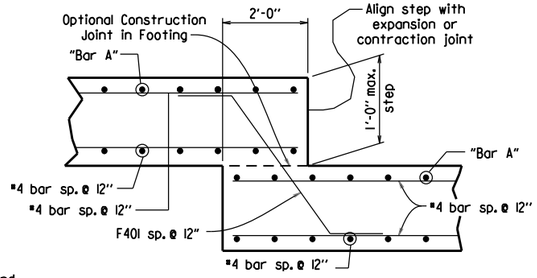
N.T.S




NOTE: Hatched area denotes maximum limits of pay excavation.

## DETAILS OF EXCAVATION

N.T.S




## FOOTING STEP DETAIL

N.T.S.

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: Arkansas Department of Transportation Standard Specifications for Highway Construction (Current Edition) with applicable supplemental specifications and special provisions. Unless otherwise noted in the plans, Section and Subsection refer to the Standard Construction Specifications.

DESIGN SPECIFICATIONS: AASHTO LRFD Bridge Design Specifications, Sixth Edition (2012).

LIVE LOAD: Live Load Surcharge is not included in the design of these walls. Vehicular Live Load shall not be allowed within a distance equal to one-half the height of the wall.

CONCRETE: Concrete shall be poured in the dry and all exposed corners to be chamfered ½". All concrete shall be Class S with a minimum 28 day compressive strength f'c = 3,500 psi. A Class 2 Surface finish shall be used on all surfaces of the concrete unless otherwise noted. Refer to Architectural Finish (Cast-in Place Retaining Walls) and Textured Coating Finish (Cast-in Place Retaining Walls) special provisions.

REINFORCING STEEL: All reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

Foundations for footings shall be prepared in accordance with subsection 801.04. Backfill for retaining walls shall be in accordance with subsection 801.08.

Waterproof Membrane (Type C), waterstops, preformed joints, weep holes & geotextile fabric shall not be paid for directly, but shall be considered subsidiary to Class S Concrete.

Drainage fill material (Class 3) and select backfill shall be measured and paid for as Compacted Embankment.

These details are not intended for use along streams or ditches without consideration for scour.

## TABLE OF RETAINING WALL VARIABLES (SLOPED BACKFILL) (1V: 2H MAX.)

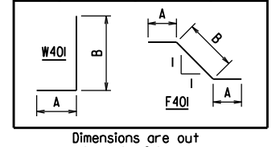
| "H" | "T" | "B" | "S" | "Bar A" Size @ Spacing |
|---|---|---|---|---|
| 3'-0" | 9" | 2'-6" | 12" | #4 @ 12" |
| 4'-0" | 9" | 3'-6" | 12" | #4 @ 12" |
| 5'-0" | 9" | 4'-6" | 12" | #4 @ 12" |
| 6'-0" | 9" | 5'-6" | 12" | #4 @ 6" |
| 7'-0" | 9" | 6'-6" | 12" | #5 @ 6½" |
| 8'-0" | 1'-6" | 8'-0" | 7½" | #6 @ 6" |
| 9'-0" | 1'-11" | 9'-6" | 5" | #8 @ 6" |

## TABLE OF RETAINING WALL VARIABLES (LEVEL BACKFILL)

| "H" | "T" | "B" | "S" | "Bar A" Size @ Spacing |
|---|---|---|---|---|
| 3'-0" | 9" | 2'-6" | 12" | #4 @ 12" |
| 4'-0" | 9" | 3'-6" | 12" | #4 @ 12" |
| 5'-0" | 9" | 4'-0" | 12" | #4 @ 12" |
| 6'-0" | 9" | 4'-6" | 12" | #4 @ 12" |
| 7'-0" | 9" | 5'-6" | 12" | #4 @ 10" |
| 8'-0" | 9" | 6'-0" | 12" | #5 @ 10" |
| 9'-0" | 1'-0" | 7'-0" | 12" | #5 @ 6½" |

## BENDING DIAGRAMS

| MARK | A | B | P.D. |
|---|---|---|---|
| W401 | 8" | "H" - 6" | 3" |
| F401 | 1'-6" | 1'-10" | 2½" |




Dimensions are out to out of bars.

SEISMIC ZONE: These walls have been designed for the following site adjusted peak ground accelerations ($A_S$):
Level Backfill - $A_S \leq .40g$
Sloped Backfill (1V: 2H max.) - $A_S \leq .30g$

| DATE | REVISION | DATE FILMED |
|---|---|---|
| | | |
| 5-14-20 | ADDED ASHLAR STONE FINISH DETIAL AND NOTES. REVISED TYP. SECTION AND GEN. NOTES. | |
| 5-12-16 | REVISED SLOPES FOR SELECT BACKFILL | |
| 2-27-14 | REVISED GENERAL NOTES | |
| 7-26-12 | DRAWING ISSUED | |

ARKANSAS STATE HIGHWAY COMMISSION

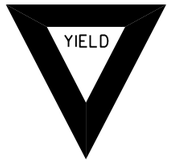
# REINFORCED CONCRETE RETAINING WALL (WITHOUT LIVE LOAD SURCHARGE)

STANDARD DRAWING SI - 2

R1-1

STANDARD 30"X30"
EXPRESSWAY 36"X36"
SPECIAL 48"X48"

R1-2




STD. 36"X36"X36"
EXPWY. 48"X48"X48"
FWY. 60"X60"X60"

R2-1

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

W3-5

STD. 36"X36"
EXPWY. 48"X48"
FWY. 48"X48"

W3-5a

STD. 36"X36"
EXPWY. 48"X48"
FWY. 48"X48"

R4-1

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

R4-2

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

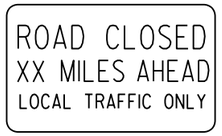
R5-1

STD. 30"X30"
EXPWY. 36"X36"
SPECIAL 48"X48"

R11-2

48"X30"

R11-3A




60"X30"

R11-4

60"X30"

W21-5a

STD. 36"X36"
FWY. 48"X48"

W1-1

STD. 36"X36"
FWY. 48"X48"

W1-2

STD. 36"X36"
FWY. 48"X48"

W1-3

STD. 48"X48"

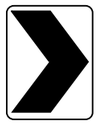
W1-4

STD. 48"X48"

W1-6

STD. 48"X24"
SPECIAL 60"X30"

W1-8



STD. 18"X24"
SPECIAL 24"X30"
EXPWY. 30"X36"
FWY. 36"X48"

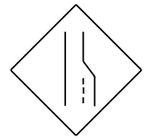
W3-1

STD. 36"X36"
SPECIAL 48"X48"

W3-2

STD. 36"X36"
SPECIAL 48"X48"

W4-2



STD. 36"X36"
FWY. 48"X48"

W5-1

STD. 36"X36"
SPECIAL 48"X48"

W6-3

EXPWY. 36"X36"
SPECIAL 48"X48"

W8-7

EXPWY. 36"X36"
FWY. 48"X48"

W9-2

STD. 36"X36"
FWY. 48"X48"

W13-1

STD. 24"X24"

W20-1

STD. 48"X48"

W20-2

STD. 48"X48"

W20-3

STD. 48"X48"

W20-4

STD. 48"X48"

W20-5

STD. 48"X48"

W20-7a

STD. 36"X36"
FWY. 48"X48"

W21-2

STD. 30"X30"
SPECIAL 36"X36"

W21-5

STD. 30"X30"
SPECIAL 36"X36"

W24-1

STD. 36"X36"

W1-4b

STD. 48"X48"

R56-1

STD. 18"X18"

W8-11

STD. 36"X36"
FWY. 48"X48"

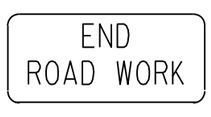
W8-9

STD. 36"X36"
FWY. 48"X48"

G20-1

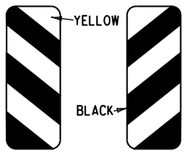
60"X24"

G20-2




48"X24"

OM-3L OM-3R




12"X36"

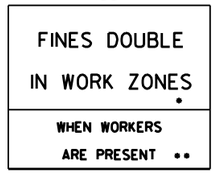
M4-9

STD. 30"X24"
SPECIAL 48"X36"
SPECIAL 60"X48"

M4-10

48"X18"

R55-1




36"X60"

• USE 6" C LETTERS
•• USE 4" D LETTERS

ADVANCE DISTANCES
(XXXX)

| | |
|---|---|
| 500 FT | ½ MILE |
| 1000 FT | ¾ MILE |
| 1500 FT | 1 MILE AHEAD |

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
2. TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START OF CONSTRUCTION OPERATIONS AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER.
3. EXISTING SIGNS AND CONSTRUCTION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE CLEAN AND LEGIBLE AT ALL TIMES. SIGNS THAT DO NOT APPLY TO EXISTING CONDITIONS SHALL BE REMOVED. SIGNS THAT ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT DURING CONSTRUCTION SHALL BE CLEANED, REPAIRED, OR REPLACED.
- 4. SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SQ. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE.
- 5. SIGN POSTS DIRECT BURIED IN SOIL SHALL BE 2 LB. MINIMUM CHANNEL POST OR 4"x4" WOOD POSTS. CHANNEL POSTS SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED WHITE. ALL POSTS SHALL BE NEATLY CONSTRUCTED, AND SHALL BE REPLUMBED, CLEANED, OR REPAIRED AS NEEDED FOR THE DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN 2 POSTS IN A 7' PATH FOR WOOD OR CHANNEL POSTS. ANY CHANNEL POST SPLICE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING TC-3.
6. POST MOUNTED SIGNS IN RURAL AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF THE SIGN FROM 6 TO 12 FEET FROM THE PAVEMENT EDGE. SIGNS IN URBAN AREAS AND BARRICADE MOUNTED SIGNS SHALL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT EDGE.
7. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN RURAL AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE, EXCEPT A MINIMUM OF 6' SHALL BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A WARNING SIGN. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR INTERMEDIATE TERM STATIONARY WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT SHALL BE 5'. RETROREFLECTIVE DEVICES SHALL BE USED. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR SHORT-TERM, SHORT DURATION, AND MOBILE CONDITIONS. THEY SHALL BE NO LESS THAN ONE (1) FOOT ABOVE THE TRAVELED WAY. LONG-TERM STATIONARY SIGNS SHALL BE DIRECT BURIED IN SOIL, UNLESS CONDITIONS NECESSITATE THE USE OF PORTABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE PADS, CONCRETE OR ROCK BALLAST, OR OTHER SOLID MATERIALS SHALL NOT BE UTILIZED WITH PORTABLE SIGN SUPPORTS.
8. FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
9. MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE RIGHT. HOWEVER, THIS DOES NOT PRECLUDE THE USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE REVERSE ORIENTATION MIGHT BETTER CONVEY TO MOTORISTS THE PROPER DIRECTION OF MOVEMENT.
10. R55-1 SIGNS SHALL BE PLACED AT LEAST 1500' BUT NOT MORE THAN 1 MILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE SIGN SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE "REDUCED SPEED AHEAD" SIGN.

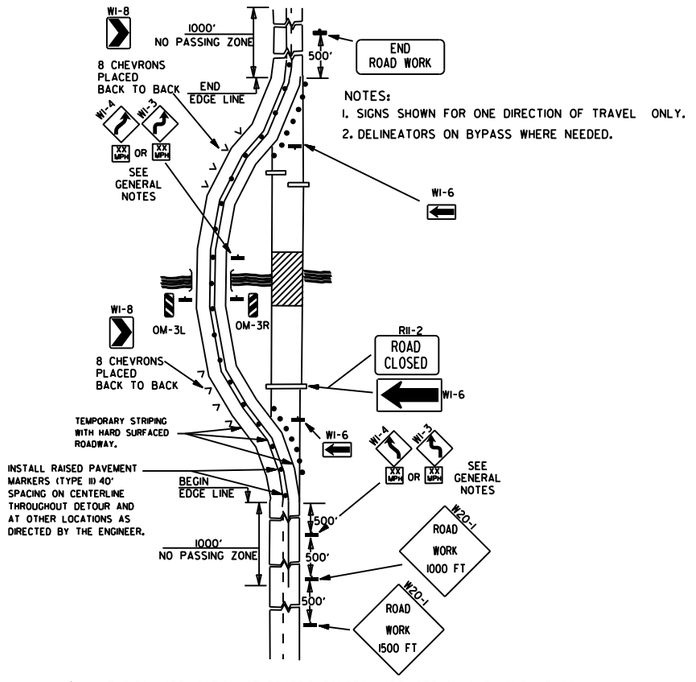
- NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND VERTICAL PANELS THAT ARE DIFFERENT FROM THE REQUIREMENTS SHOWN IN NOTES 4 & 5, BUT MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) IS REQUIRED FOR ALL PROJECTS.

| DATE | REVISION | FILMED |
|---|---|---|
| 11-07-19 | REVISED FOR MASH | |
| 4-13-17 | DELETED RSP-1 & ADDED W21-5a | |
| 9-2-15 | REVISED REDUCED SPEED LIMIT AHEAD SIGNS<br>REVISED ROAD WORK NEXT XX MILES | |
| 12-15-11 | REVISED W24-1 | |
| 11-17-10 | DELETED W8-9a & ADDED W8-9 | |
| 10-15-09 | ADDED REFERENCE TO MASH & ADDED SIGN W24-1 | |
| 4-17-08 | REVISED SIGN DESIGNATIONS | |
| 11-18-04 | REVISED NOTES | |
| 10-9-03 | REVISED NOTE 1 | |
| 11-16-01 | REVISED NOTE 7 | |
| 9-28-00 | REVISED NOTE | |
| 11-18-98 | ADDED NOTE | |
| 6-26-97 | REVISED NOTE 5 | |
| 4-03-97 | REVISED NOTE 5 | |
| 10-18-96 | ADDED CONTROLLED ACCESS HWY. SIGN & TO NOTE 7 | |
| 10-12-95 | ADDED R55-1 | |
| 6-8-95 | REVISED TO CORRECT SIGN ILLUSTRATIONS | 6-8-95 |
| 2-2-95 | REVISED PER PART VI, MUTCD SEPT. 3, 1993 | |
| 8-15-91 | DRAWN AND PLACED IN USE | |

ARKANSAS STATE HIGHWAY COMMISSION

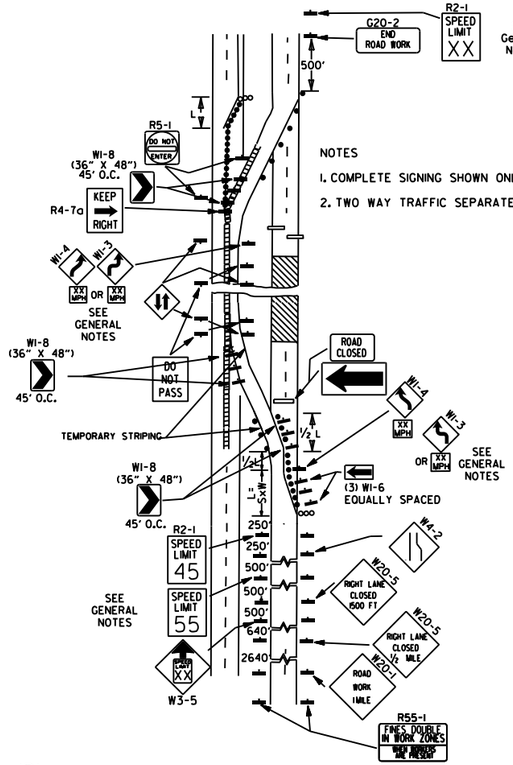
# STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING TC-1



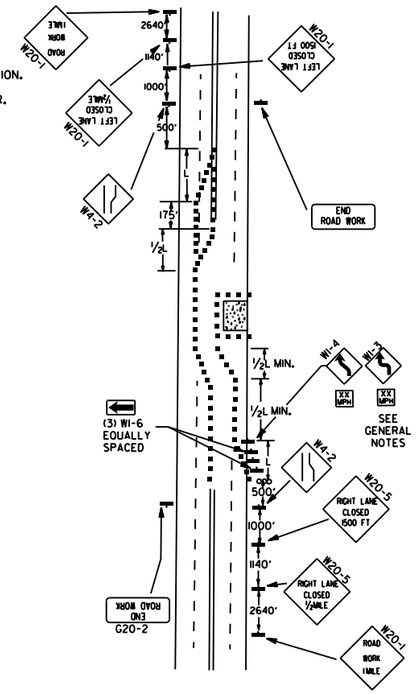

NOTES:
1. SIGNS SHOWN FOR ONE DIRECTION OF TRAVEL ONLY.
2. DELINEATORS ON BYPASS WHERE NEEDED.

(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.

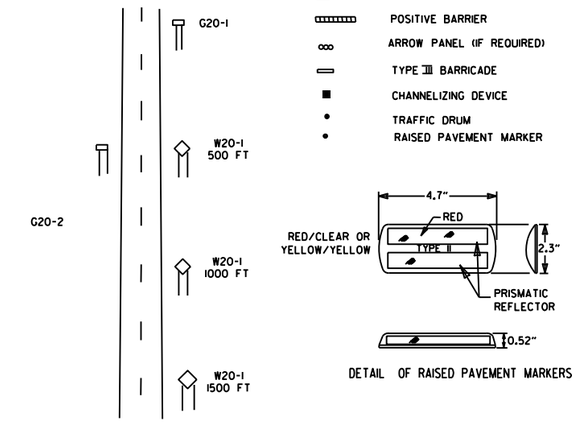



NOTES
1. COMPLETE SIGNING SHOWN ONLY IN CROSSOVER DIRECTION.
2. TWO WAY TRAFFIC SEPARATED WITH POSITIVE BARRIER.

(B) TYPICAL APPLICATION - 4-LANE DIVIDED ROADWAY WHERE ONE ROADWAY IS CLOSED.




(C) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.




TYPICAL ADVANCE WARNING SIGN PLACEMENT

TAPER FORMULAE:

L=SXW FOR SPEEDS OF 45MPH OR MORE.

$L = \frac{WS^2}{60}$ FOR SPEEDS OF 40MPH OR LESS.

WHERE:

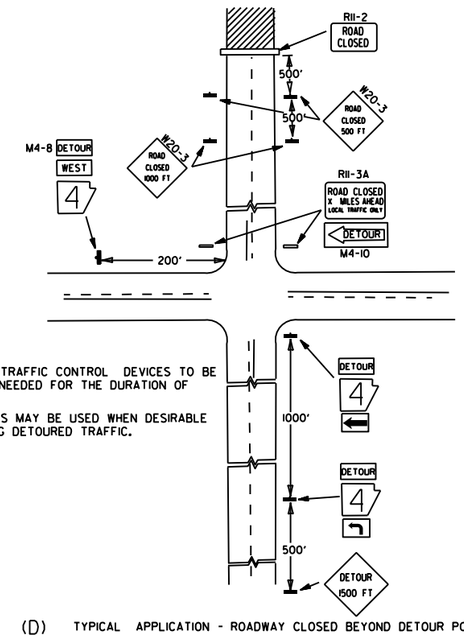
L= MINIMUM LENGTH OF TAPER.

S= NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85TH PERCENTILE SPEED.

W= WIDTH OF OFFSET.

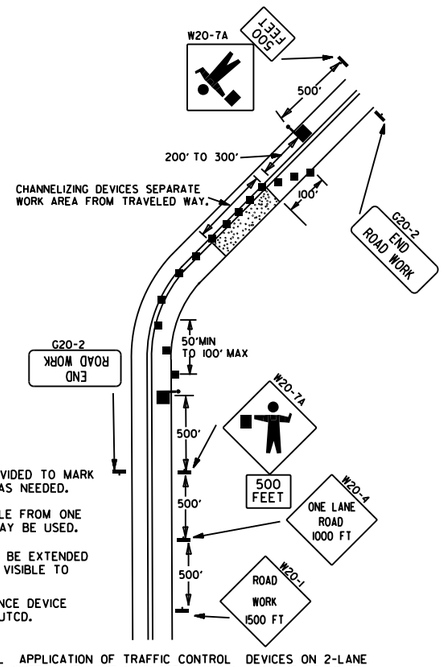
GENERAL NOTES:

1. THE MAINTENANCE DIVISION SHALL CONDUCT A BALL BANK STUDY TO DETERMINE THE ADVISORY SPEED LIMIT PRIOR TO OPENING TO TRAFFIC. THE ADVISORY SPEED WILL BE POSTED ON W1-3 OR W1-4 CURVE WARNING SIGNS. USE W1-4 WHEN SPEED IS GREATER THAN 30MPH AND W1-3 WHEN 30MPH OR LESS
2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-1(55) SHALL BE OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-145MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(45) SHALL BE OMITTED. ADDITIONAL R2-155MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT, OR AS DIRECTED BY THE ENGINEER.
5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
7. TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUITY MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER. WHEN PLACED ON OR ADJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE.
8. DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE ARDOT QUALIFIED PRODUCTS LIST.
9. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).



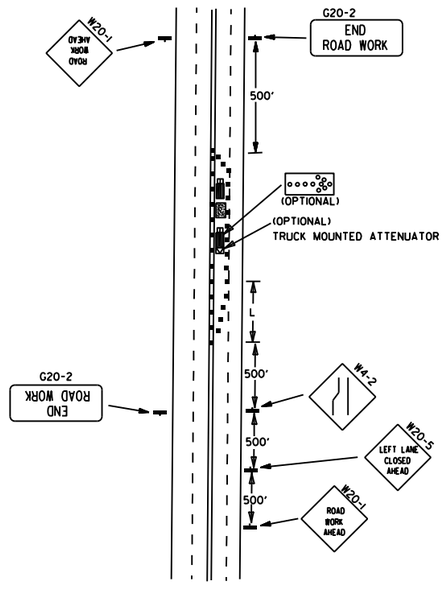

NOTES:
1. REGULATORY TRAFFIC CONTROL DEVICES TO BE MODIFIED AS NEEDED FOR THE DURATION OF THE DETOUR.
2. STREET NAMES MAY BE USED WHEN DESIRABLE FOR DIRECTING DETOURED TRAFFIC.

(D) TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.




NOTES:
1. FLOOD LIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED.
2. IF ENTIRE WORK AREA IS VISIBLE FROM ONE STATION, A SINGLE FLAGGER MAY BE USED.
3. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
4. AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) OPTIONAL. REFER TO MUTCD.

(E) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED AND FLAGGING IS PROVIDED.



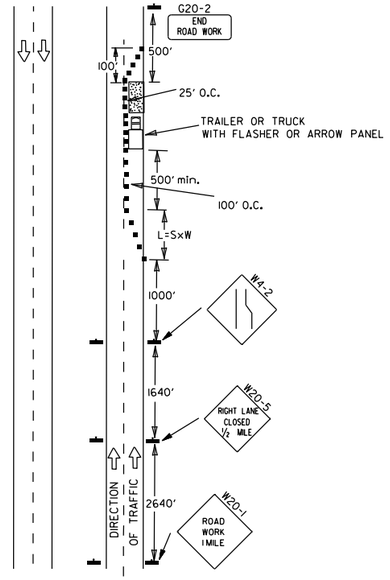

(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.

| | | |
|---|---|---|
| 11-07-19 | REVISED NOTE 1, ADDED NOTE 9 | |
| 9-2-15 | REVISED NOTE 2, ADDED NOTE 8, REVISED DRAWING (A) & REPLACED R2-5A WITH W3-5 | |
| 9-12-13 | REVISED DETAIL OF RAISED PAVEMENT MARKERS | |
| 3-11-10 | ADDED (AFAD) | |
| 11-20-08 | REVISED SIGN DESIGNATIONS | |
| 11-18-04 | ADDED GENERAL NOTE | |
| 10-18-96 | ADDED R55-1 | |
| 4-26-96 | CORRECTED (a) BEHIND G20-2 | |
| 6-8-95 | CORRECTED SIGN IDENT. ON W1-4A | 6-8-95 |
| 2-2-95 | REVISED PER PART VI, MUTCD, SEPT. 3, 1993 | |
| 8-15-91 | DRAWN AND PLACED IN USE | |
| DATE | REVISION | FILMED |

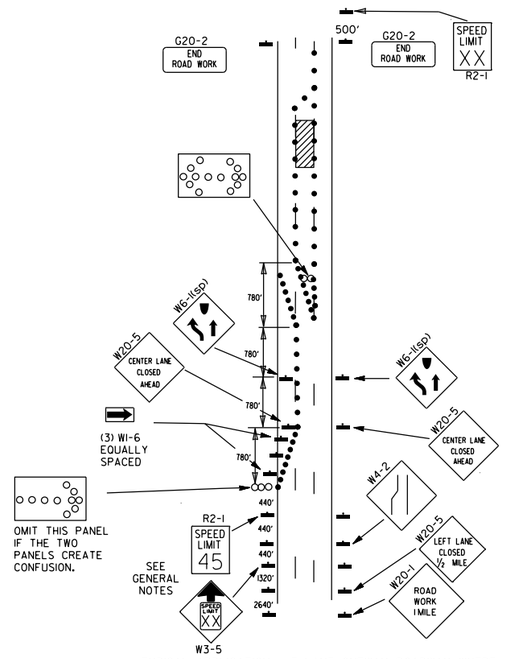
ARKANSAS STATE HIGHWAY COMMISSION

# STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

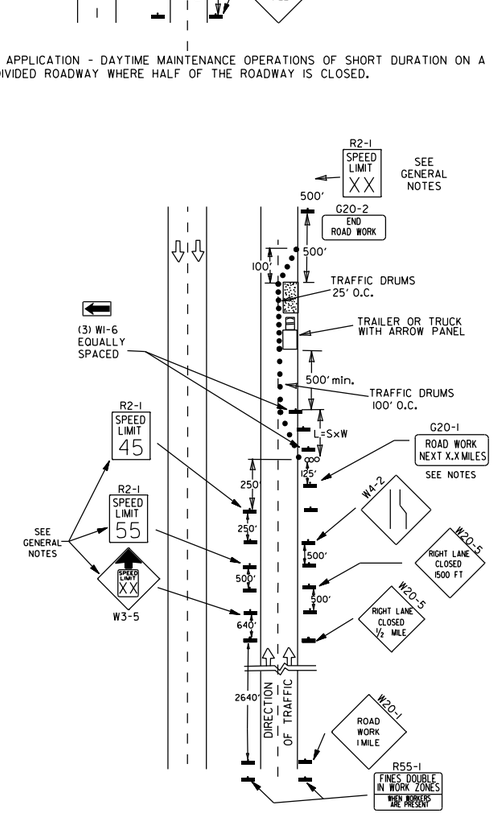
STANDARD DRAWING TC-2




(A) TYPICAL APPLICATION - DAYTIME MAINTENANCE OPERATIONS OF SHORT DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.




(B) TYPICAL APPLICATION - 3-LANE ONEWAY ROADWAY WHERE CENTER LANE IS CLOSED.




(C) TYPICAL APPLICATION - CONSTRUCTION OPERATIONS OF INTERMEDIATE TO LONG TERM DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.

KEY:

ooo ARROW PANEL (IF REQUIRED)

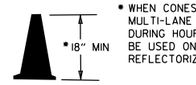
■ CHANNELIZING DEVICE

● TRAFFIC DRUM

GENERAL NOTES:

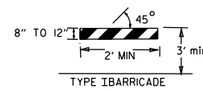
1. A SPEED LIMIT REDUCTION MAY BE IMPLEMENTED ONLY WHEN DESIGNATED IN THE PLAN OR WHEN RECOMMENDED BY THE ROADWAY DESIGN DIVISION.
2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-1(55) SHALL BE OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-145MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(45) SHALL BE OMITTED. ADDITIONAL R2-155MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT OR AS DIRECTED BY THE ENGINEER.
5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
7. THE G20-1 SIGN WILL BE REQUIRED ON JOBS OF OVER TWO MILES IN LENGTH. WHEN THE LANE CLOSURE IS NOT AT THE BEGINNING OF THE PROJECT, THE G20-1 SIGN SHALL BE ERECTED 125' IN ADVANCE OF THE JOB LIMIT. ADDITIONAL W20-1 (1 MILE) SIGNS ARE NOT REQUIRED IN ADVANCE OF LANE CLOSURES THAT BEGIN INSIDE THE PROJECT LIMITS.
8. FLAGGERS SHALL USE STOP/SLOW PADDLES FOR CONTROLLING TRAFFIC THROUGH WORK ZONES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
9. ALL PLASTIC DRUMS AND CONES SHALL MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
10. TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUITY MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER. WHEN PLACED ON OR ADJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE.
11. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

## CHANNELIZING DEVICES

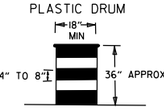


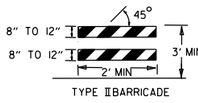

* WHEN CONES ARE USED ON FREEWAYS AND MULTI-LANE HIGHWAYS, THEY SHALL BE 28" MIN. DURING HOURS OF DARKNESS, 28" CONES SHALL BE USED ON ALL ROADWAYS, AND SHALL BE REFLECTORIZED IN ACCORDANCE WITH THE M.U.T.C.D.

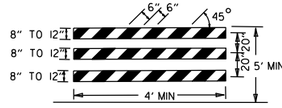
CONES




PLASTIC DRUM

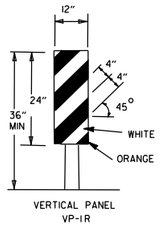


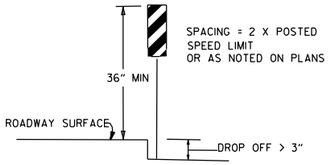




TYPE III BARRICADE

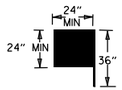
NOTE:
FOR ALL ROAD CLOSURES, THE TYPE III BARRICADES SHALL BE OF SUFFICIENT LENGTH TO EXTEND ACROSS ENTIRE ROADWAY.



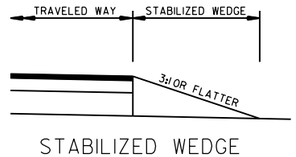

VERTICAL PANEL PLACEMENT




FLAG

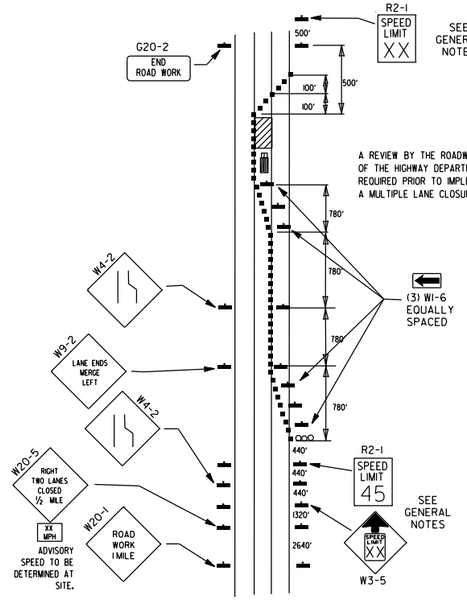



FLAG SHALL BE OF GOOD GRADE RED MATERIAL




STABILIZED WEDGE

NOTE:
MATERIALS FOR THE STABILIZED WEDGE SHALL MEET THE REQUIREMENTS PROVIDED IN SECTION 603.02 OF THE STANDARD SPECIFICATIONS.




(D) TYPICAL APPLICATION - CLOSING MULTIPLE LANES OF A MULTILANE HIGHWAY.

TRAFFIC CONTROL DEVICES

NON-INTERSTATE

| VERTICAL DIFFERENTIAL | LOCATION | TRAFFIC CONTROL ≤ 45 MPH | TRAFFIC CONTROL > 45 MPH |
|---|---|---|---|
| ≤ 2" | CENTERLINE | W8-11 AND LANE STRIPING | W8-11 AND LANE STRIPING |
| > 2" | CENTERLINE | STANDARD LANE CLOSURE | STANDARD LANE CLOSURE |
| ≤ 3" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | W8-9, EDGE LINE STRIPING, AND VERTICAL PANELS | W8-9, EDGE LINE STRIPING, AND VERTICAL PANELS |
| > 3" ≤ 6" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | W8-17, EDGE LINE STRIPING, AND VERTICAL PANELS | W8-17, EDGE LINE STRIPING, AND VERTICAL PANELS |
| > 6" ≤ 18" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1) | W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2) |
| > 18" ≤ 24" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1) | A STABILIZED WEDGE, W8-17, EDGE LINE STRIPING AND TRAFFIC DRUMS(3) |
| > 24" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | PRECAST CONCRETE BARRIER(4) & EDGE LINES | PRECAST CONCRETE BARRIER(4) & EDGE LINES |

INTERSTATE

| VERTICAL DIFFERENTIAL | LOCATION | TRAFFIC CONTROL |
|---|---|---|
| ≤ 2" | CENTERLINE | W8-11 AND LANE STRIPING |
| ≤ 2" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | W8-9, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2) |
| > 2" ≤ 6" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2) |
| > 6" | EDGE OF TRAVELED LANE OR EDGE OF SHOULDER | PRECAST CONCRETE BARRIER & EDGE LINES |

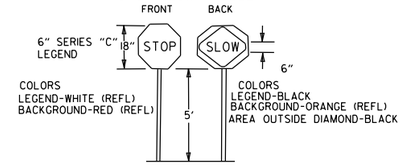
INTERSTATE AND NON-INTERSTATE

| FORESLOPE | HEIGHT | TRAFFIC CONTROL |
|---|---|---|
| 1:1 | > 2 FT | PRECAST CONCRETE BARRIER |
| 2:1 | ≤ 5 FT | TRAFFIC DRUMS |
| 2:1 | > 5 FT | PRECAST CONCRETE BARRIER |
| Flatter than 2:1 | N/A | TRAFFIC DRUMS |

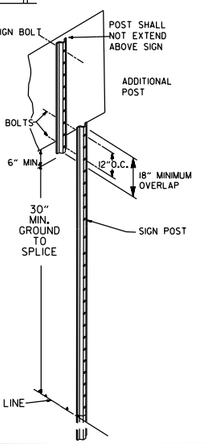
GENERAL NOTES:

1. WHEN THE SHOULDER AREA IS USED AS PART OF THE TRAVELED LANE AND THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, THEN VERTICAL PANELS SHALL BE USED.
2. WHEN THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, A STABILIZED WEDGE SHALL BE USED.
3. PRECAST CONCRETE BARRIER WALL CAN BE USED IN LIEU OF A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS, IF AND WHERE DIRECTED BY THE ENGINEER.
4. A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS CAN BE USED IN LIEU OF PRECAST CONCRETE BARRIER WALL, IF AND WHERE DIRECTED BY THE ENGINEER.
5. W21-5, W21-5a, AND/OR W21-5b SIGNS SHALL BE USED WHERE THE ROADWAY IS UNOBSTRUCTED IF AND WHERE DIRECTED BY THE ENGINEER.

STOP SLOW PADDLE



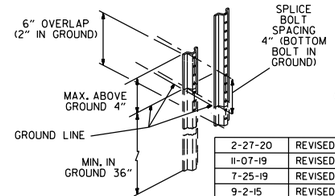

DETAIL OF SPLICES




NOTES: USE SPLICES ONLY WHEN NECESSARY FOR INSTALLATION. TYPICAL INSTALLATION SHOULD HAVE NO SPLICES (SEE STD. DRAWING NO. SHS-21)

NORMAL INSTALLATIONS WILL REQUIRE 1/4" DIA. BOLTS TO MOUNT SIGNS TO POST AND 5/16" DIA. BOLTS TO ASSEMBLE THE VARIOUS POST SUPPORTS. EACH OF THESE BOLTS SHALL BE CARRIAGE BOLTS.

SIGN POSTS SHALL BE PAINTED GREEN; SIGNS SHALL NOT BE PAINTED, AND ALL SIGN POSTS SHALL BE PLUMB.




| DATE | REVISION | FILMED |
|---|---|---|
| 2-27-20 | REVISED TRAFFIC CONTROL DEVICES DETAILS | |
| 11-07-19 | REVISED NOTE 9, ADDED NOTE 11 | |
| 7-25-19 | REVISED TRAFFIC CONTROL DEVICES DETAILS | |
| 9-2-15 | REVISED NOTE 2 & REPLACED R2-5A WITH W3-5 | |
| 10-15-09 | ADDED REFERENCE TO MASH | |
| 11-20-08 | REVISED SIGN DESIGNATIONS | |
| 11-18-04 | ADDED NOTE | |
| 10-1-98 | ADDED NOTE | |
| 4-03-97 | ADDED (SP) TO W6-1& REVISED TRAFFIC CONTROL DEVICES NOTE | |
| 10-18-96 | ADDED R55-1 | |
| 10-12-95 | MOVED UPPER SPLICE | |
| 6-8-95 | REVISED SPLICE DETAIL, TEXT | 6-8-95 |
| 2-2-95 | REVISED PER PART VI, MUTCD, SEPT. 3, 1993 | |
| 8-15-91 | DRAWN AND PLACED IN USE | |

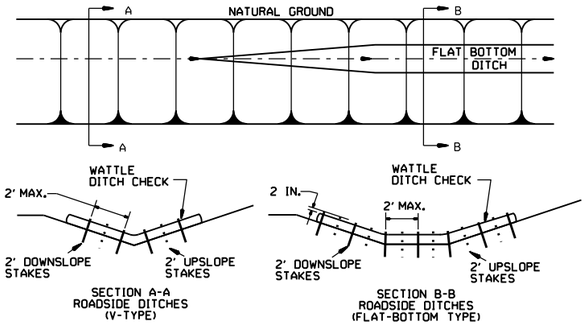
ARKANSAS STATE HIGHWAY COMMISSION

# STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

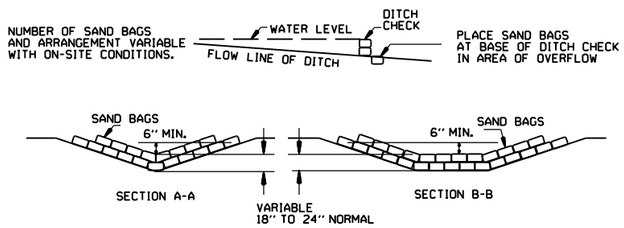
STANDARD DRAWING TC-3

GENERAL NOTES

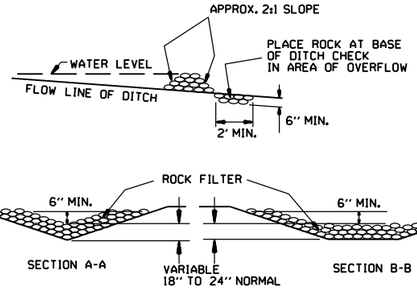
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.




## WATTLE DITCH CHECK (E-1)




## SAND BAG DITCH CHECK (E-5)

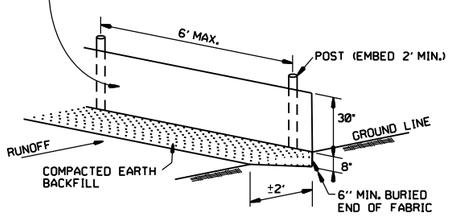



## ROCK DITCH CHECK (E-6)

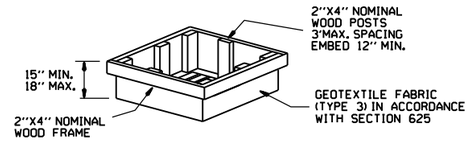
GENERAL NOTES

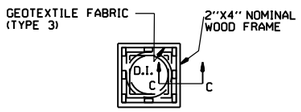
GEOTEXTILE FABRIC (TYPE 4) IN ACCORDANCE WITH SECTION 625

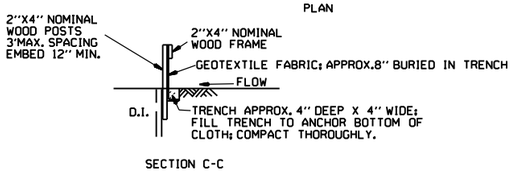
GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.



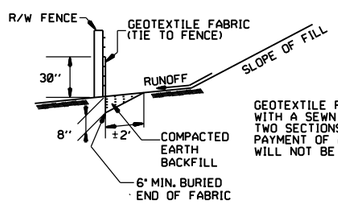

## SILT FENCE (E-11)



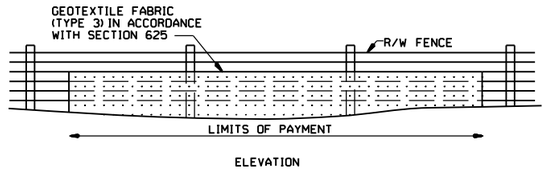




## DROP INLET SILT FENCE (E-7)




GENERAL NOTES

GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.



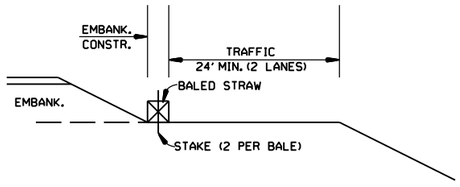

## SILT FENCE ON R/W FENCE (E-4)

GENERAL NOTES

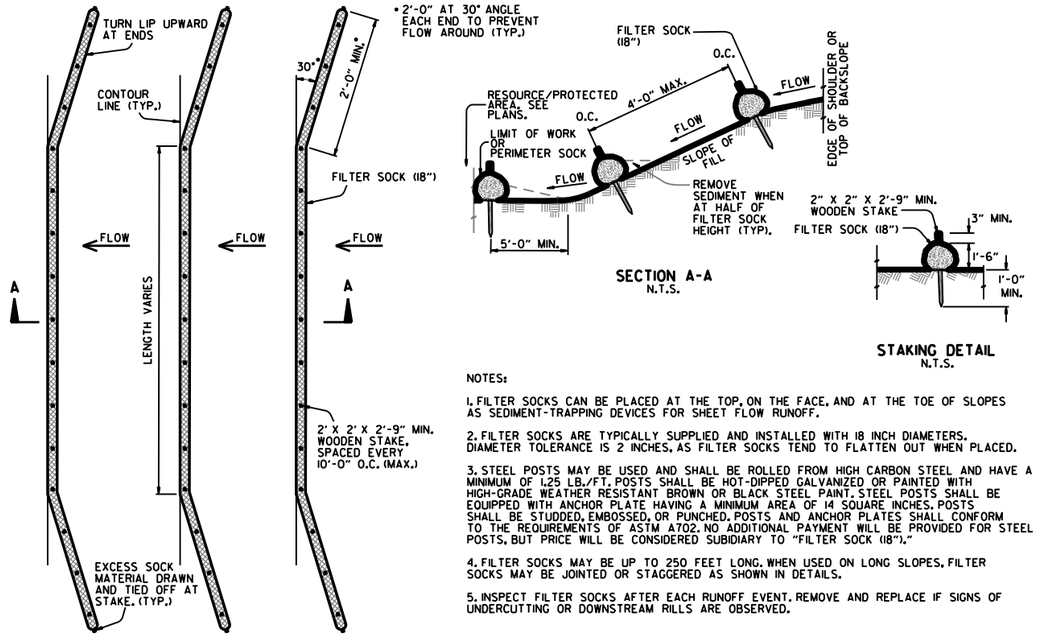
1. STRAW BALES SHALL BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES. THE BALES SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.

2. NO GAPS SHALL BE LEFT BETWEEN BALES.

3. BALED STRAW FILTER BARRIERS COMPLETED AND ACCEPTED WILL BE MEASURED BY THE BALE IN PLACE AS AUTHORIZED BY THE ENGINEER AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER BALE FOR BALED STRAW DITCH CHECKS.




## BALED STRAW FILTER BARRIER (E-2)




NOTES:

1. FILTER SOCKS CAN BE PLACED AT THE TOP, ON THE FACE, AND AT THE TOE OF SLOPES AS SEDIMENT-TRAPPING DEVICES FOR SHEET FLOW RUNOFF.

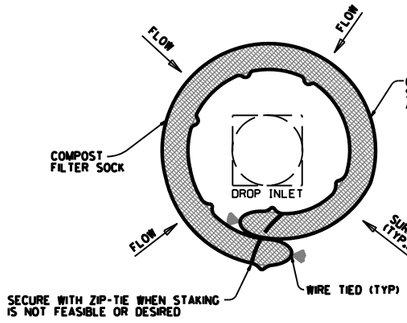
2. FILTER SOCKS ARE TYPICALLY SUPPLIED AND INSTALLED WITH 18 INCH DIAMETERS. DIAMETER TOLERANCE IS 2 INCHES, AS FILTER SOCKS TEND TO FLATTEN OUT WHEN PLACED.

3. STEEL POSTS MAY BE USED AND SHALL BE ROLLED FROM HIGH CARBON STEEL AND HAVE A MINIMUM OF 1.25 LB./FT. POSTS SHALL BE HOT-DIPPED GALVANIZED OR PAINTED WITH HIGH-GRADE WEATHER RESISTANT BROWN OR BLACK STEEL PAINT. STEEL POSTS SHALL BE EQUIPPED WITH ANCHOR PLATE HAVING A MINIMUM AREA OF 14 SQUARE INCHES. POSTS SHALL BE STUDDED, EMBOSSED, OR PUNCHED. POSTS AND ANCHOR PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A702. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR STEEL POSTS, BUT PRICE WILL BE CONSIDERED SUBIDIARY TO "FILTER SOCK (18")."

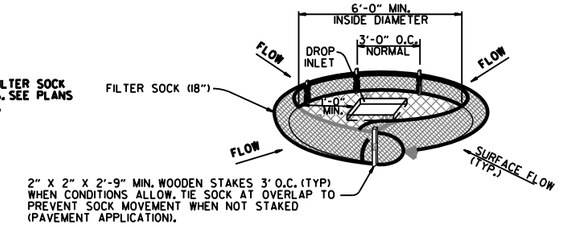
4. FILTER SOCKS MAY BE UP TO 250 FEET LONG. WHEN USED ON LONG SLOPES, FILTER SOCKS MAY BE JOINTED OR STAGGERED AS SHOWN IN DETAILS.

5. INSPECT FILTER SOCKS AFTER EACH RUNOFF EVENT. REMOVE AND REPLACE IF SIGNS OF UNDERCUTTING OR DOWNSTREAM RILLS ARE OBSERVED.

## FILTER SOCK ALONG SLOPE (E-3)




## DROP INLET PLAN VIEW
N.T.S.




## DROP INLET PERSPECTIVE VIEW
N.T.S.

NOTES:

1. OVERLAP ENDS OF SOCK (1' MIN. 3' MAX.).

2. USE 18" DIA. SOCK IN NON-TRAFFIC AREAS OR AREAS WHERE SAFETY IS NOT A CONCERN.

## COMPOST FILTER SOCK DROP INLET PROTECTION (E-13)

| DATE | REVISION | FILMED |
|---|---|---|
| 11-16-17 | ADDED FILTER SOCK E-3 AND E-13 | |
| 12-15-11 | DELETED BALED STRAW DITCH CHECK & ADDED WATTLE DITCH CHECK | |
| 11-18-98 | ADDED NOTES | |
| 07-02-98 | ADDED BALED STRAW FILTER BARRIER (E-2) | |
| 07-20-95 | REVISED SILT FENCE E-4 AND E-11 | 7-20-95 |
| 07-15-94 | REV. E-4 & E-11 MIN. 13" BURIED END OF FABRIC | |
| 06-02-94 | REVISED E-1,4,7 & 11; DELETED E-2 & 3 | 6-2-94 |
| 04-01-93 | REDRAWN | |
| 10-01-92 | REDRAWN | |
| 08-02-76 | ISSUED R.D.M. | 298-7-28-76 |

ARKANSAS STATE HIGHWAY COMMISSION

# TEMPORARY EROSION CONTROL DEVICES

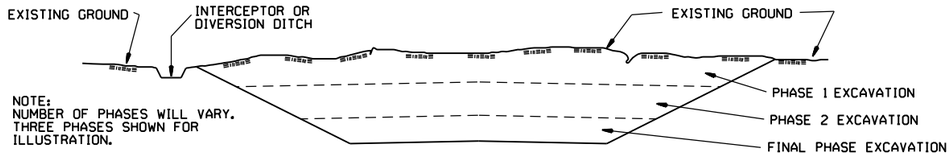
STANDARD DRAWING TEC-1

# CLEARING AND GRUBBING

CONSTRUCTION SEQUENCE

1. PLACE PERIMETER CONTROLS (I.E. SILT FENCES , DIVERSION DITCHES, SEDIMENT BASINS, ETC.)
2. PERFORM CLEARING AND GRUBBING OPERATION.

# EXCAVATION



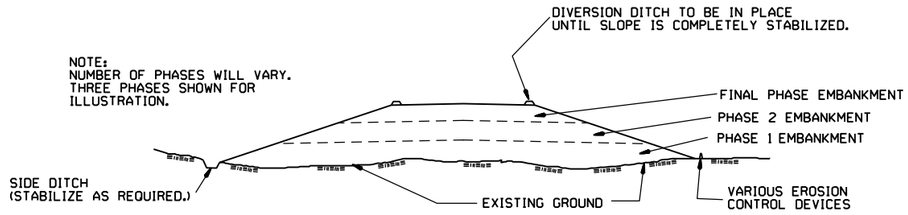

GENERAL NOTE

ALL CUT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE EXCAVATED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

CONSTRUCTION SEQUENCE

1. EXCAVATE AND STABILIZE INTERCEPTOR AND/OR DIVERSION DITCHES.
2. PERFORM PHASE 1 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
3. PERFORM PHASE 2 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
4. PERFORM FINAL PHASE OF EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING. STABILIZE DITCHES. CONSTRUCT DITCH CHECKS, DIVERSION DITCHES, SEDIMENT BASINS, OR OTHER EROSION CONTROL DEVICES AS REQUIRED.

# EMBANKMENT




GENERAL NOTE

ALL EMBANKMENT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE CONSTRUCTED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

CONSTRUCTION SEQUENCE

1. CONSTRUCT DIVERSION DITCHES, DITCH CHECKS, SEDIMENT BASINS, SILT FENCES, OR OTHER EROSION CONTROL DEVICES AS SPECIFIED.
2. PLACE PHASE 1 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
3. PLACE PHASE 2 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
4. PLACE FINAL PHASE OF EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PLACE DIVERSION DITCHES AND SLOPE DRAINS AND MAINTAIN UNTIL ENTIRE SLOPE IS STABILIZED.

| | | |
|---|---|---|
| 11-03-94 | CORRECTED SPELLING | |
| 6-2-94 | Drawn & Issued | 6-2-94 |
| DATE | REVISION | FILMED |

ARKANSAS STATE HIGHWAY COMMISSION

# TEMPORARY EROSION CONTROL DEVICES

STANDARD DRAWING TEC-3