100% DESIGN REV. 1
JULY 2026
NOT FOR CONSTRUCTION

U.S. DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

CONGAREE NATIONAL PARK (CONG)
COWPENS NATIONAL BATTLEFIELD (COWP)
KINGS MOUNTAIN NATIONAL MILITARY PARK (KIMO)
NINETY SIX NATIONAL HISTORIC SITE (NISI)

PLANS FOR PROPOSED PROJECT

SC N192 PAVEMENT PRESERVATION, MULTIPLE SITES IN SC

DESCRIPTION OF PROJECT

IMPROVEMENTS: WORK CONSISTS OF ASPHALT PATCHING, CRACK SEALING, SEAL COATING, ASPHALT OVERLAY, PAVEMENT MILLING, CONCRETE SLAB REPLACEMENT, FULL DEPTH ASPHALT RECLAMATION, AND AGGREGATE EDGE SUPPORT

PAVEMENT USAGE: ROAD & PARKING

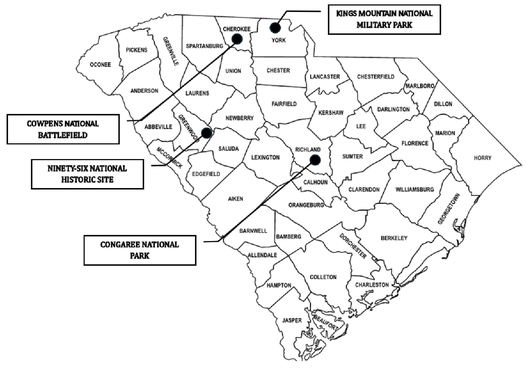
PAVEMENT PRESERVATION
SOUTH CAROLINA PARKS

RICHLAND, CHEROKEE, YORK

AND GREENWOOD COUNTIES, SOUTH CAROLINA

LENGTH 11.48 ROADWAY MILES & 0.71 PARKING MILES

SUMMARY INDEX		
SHEET	AREA DESIGNATOR	TITLE OF SHEET
01 - 40	00	GENERAL
41 - 50	01	CONG
51 - 72	02	COWP
73 - 86	03	KIMO
87 - 90	04	NISI



NOT TO SCALE

PMIS TABLE	
PMIS #	PARK CODE
334914	CONG
334929	COWP
334920	KIMO
334915	NISI

SOUTH CAROLINA AECOM TECHNICAL SERVICES, INC. No. 1473 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 27872 F. SWEARINGEN

Swearingen, Emily
Digitally signed by Swearingen, Emily
DN: c=US, o=AECOM, ou=AECOM, cn=Swearingen, Emily
2026.07.02 14:07:00

PLANS PREPARED BY:
AECOM
FOR
U.S. DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Mark	Sheet	REVISION	Date	Initial

QUALITY DESIGN CERTIFICATION

☐ Prepared in Accordance with Design Development (Title I) _____ (Drawing No.)
OR
☐ Variance from Design Development (Title I) Approved by Superintendent on _____ (Date)
OR
☐ Construction Drawing Not Preceded by Design Development (Title I)

Project Manager _____ Date _____

NATIONAL PARK SERVICE

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE
SOUTHEAST REGION

SC811

TITLE OF DRAWING
100% DESIGN REV. 1 DEVELOPMENTAL PLANS

LOCATION WITHIN PARK
CONG, COWP, KIMO, NISI

REGION	COUNTY	STATE
SER	MULTIPLE	SC

DRAWING NO.
178
197,917

PKG. NO.
334914
334929
334920
334915

SHEET 1 OF 88

02-Jul-26

INDEX OF SHEETS

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4		- C 0 0 3	GENERAL NOTES	
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6		- C 3 0 1	TYPICAL SECTIONS	
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25		- C 5 1 7	CONSTRUCTION DETAILS: TEMP TRAFFIC CONTROL	
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SHEET NO.	AREA DESIGNATION	DISCIPLINE SHEET TYPE SHEET NO.	SHEET DESCRIPTION
	0 1	- CONG	
39		- G 1 0 1	PARK LOCATION MAP
40		- G 1 0 2	PARK LOCATION MAP
41		- C 1 0 1	ROADWAY/PARKING LOT PLANS
42		- C 1 0 2	STRAIGHT LINE DIAGRAM
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45		- D 1 0 5	PARKING LOT PHASING PLAN
46		- C 5 0 1	ROADWAY/PARKING LOT DETAILS
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49		- G 1 0 1	PARK LOCATION MAP
50		- G 1 0 2	PARK LOCATION MAP
51		- G 1 0 3	PARK LOCATION MAP
52		- C 1 0 1	ROADWAY/PARKING LOT PLANS
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55		- C 1 0 4	STRAIGHT LINE DIAGRAM
56		- C 1 0 5	STRAIGHT LINE DIAGRAM
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62		- C 1 1 1	PARKING LOT PHASING PLAN
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64		- C 5 0 1	ROADWAY/PARKING LOT DETAILS
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67		- C 6 0 1	ROADWAY FEATURES TABLES
68		- C 6 0 2	ROADWAY FEATURES TABLES
69		- C 6 0 3	ROADWAY FEATURES TABLES
70		- C 6 0 4	ROADWAY FEATURES TABLES

SHEET NO.	AREA DESIGNATION	DISCIPLINE SHEET TYPE SHEET NO.	SHEET DESCRIPTION
	0 3	- KIMO	
71		- G 1 0 1	PARK LOCATION MAP
72		- G 1 0 2	PARK LOCATION MAP
73		- C 1 0 1	ROADWAY/PARKING LOT PLANS
74		- C 1 0 2	ROADWAY/PARKING LOT PLANS
75		- C 1 0 3	ROADWAY/PARKING LOT PLANS
76		- C 1 0 4	STRAIGHT LINE DIAGRAM
77		- C 1 0 5	STRAIGHT LINE DIAGRAM
78		- C 1 0 6	STRAIGHT LINE DIAGRAM
79		- C 1 0 7	STRAIGHT LINE DIAGRAM
80		- C 1 0 8	STRAIGHT LINE DIAGRAM
81		- C 1 0 9	PARKING LOT PHASING PLAN
82		- C 5 0 1	ROADWAY/PARKING LOT DETAILS
83		- C 6 0 1	ROADWAY FEATURES TABLES
84		- C 6 0 2	ROADWAY FEATURES TABLES
	0 4	- NISI	
85		- G 1 0 1	PARK LOCATION MAP
86		- G 1 0 2	PARK LOCATION MAP
87		- C 1 0 1	ROADWAY/PARKING LOT PLANS
88		- C 1 0 2	ROADWAY/PARKING LOT PLANS

LEGEND

AREA DESIGNATOR		
00	GENERAL	
01	CONGAREE	CONG
02	COWPENS	COWP
03	KINGS MOUNTAIN	KIMO
04	NINETY-SIX	NISI

DISCIPLINE DESIGNATOR	
G	GENERAL
X	DEMOLITION
C	CIVIL
L	LANDSCAPING
S	STRUCTURAL
A	ARCHITECTURAL
D	PROCESS
M	MECHANICAL
P	PLUMBLING
F	LIFE SAFETY & FIRE PROTECTION
E	ELECTRICAL
Y	PROCESS INSTRUMENTATION & CONTROLS
U	MULTI-DISCIPLINE

SHEET TYPE DESIGNATOR	
0	GENERAL
1	PLANS
2	ELEVATIONS
3	SECTIONS
4	LARGE SCALE VIEWS
5	DETAILS
6	SCHEDULES & DIAGRAMS
7	BLANK
8	PROFILES
9	3D REPRESENTATIONS

02-Jul-26

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. JONES	00-C001	INDEX OF SHEETS	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN			SHEET 2
DATE: 07/26		PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	OF 88

GENERAL NOTES:

1. THE CONTRACTOR IS ADVISED THAT THIS PROJECT CONSISTS OF 4 CLINS (BASE BID PACKAGE) AND 4 OPTIONS (ALTERNATIVE PACKAGES).

2. AS REQUIRED BY THE OWNER, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS NEATLY DRAFTED WHICH ACCURATELY REFLECT THE RECORD CONDITION OF THE WORK. THE RECORD DRAWINGS SHALL BE STAMPED AND SIGNED WITH THE CONTRACTOR'S LICENSE NUMBER AND SIGNATURE AND SHALL ALSO BE DULY NOTED AS "RECORD" DRAWINGS. THE DRAWINGS SHALL BE REMITTED TO NPS FOR FINAL RECORDS.

3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SUPERVISION AND COORDINATION OF ALL CONSTRUCTION PROCEDURES.

4. ALL NEW WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES AND ORDINANCES IN THE EFFECT AT THE TIME OF CONSTRUCTION. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.

5. SPECIFICATIONS REFERENCED IN THE PLANS SHALL BE THE LATEST EDITION.

6. ALL WORK AND MATERIAL SHALL MEET NPS REQUIREMENTS, THE LATEST COUNTY STANDARD SPECIFICATIONS, THE STATE OF SOUTH CAROLINA MANUALS FOR EROSION CONTROL, AND THE LATEST VERSION OF SCDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION.

7. ONLY NEW ITEMS MEETING THE REQUIREMENTS OF THIS CONTRACT AND OF RECENT MANUFACTURE, OF QUALITY SPECIFIED, FREE FROM DEFECTS, WILL BE PERMITTED ON THE PROJECT.

8. THE CONTRACTOR SHALL PERFORM QUALITY CONTROL (QC) AS INDICATED IN THE PROJECT SPECIFICATIONS INCLUDING PROVIDING A QUALITY CONTROL PLAN (QCP) PRIOR TO EXECUTION OF WORK. THE OWNER WILL PERFORM ADDITIONAL QUALITY ACCEPTANCE (QA) TESTING FOR ACCEPTANCE DETERMINATION.

9. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.

10. THE CONTRACTOR SHALL PROVIDE A STAGING AREA ADJACENT TO OR WITHIN THE AREA OF CONSTRUCTION. THE SELECTED LOCATION SHALL BE COORDINATED FOR APPROVAL WITH THE CONTRACTING OFFICER'S REPRESENTATIVE.

11. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES TO SEPARATE CONSTRUCTION AREAS FOR PUBLIC SAFETY AROUND ENTIRE PERIMETER OF CONSTRUCTION AREA. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

12. ALL DIMENSIONS AND MEASUREMENTS ON DRAWINGS ARE IN FEET, EXCEPT WHERE NOTED. LABELED DIMENSIONS WHERE SHOWN TAKE PRECEDENCE OVER SCALED MEASUREMENTS.

13. ANY WORK UNACCEPTABLE TO THE CONTRACTING OFFICER'S REPRESENTATIVE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

14. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY AND SHALL ROUTE DISCHARGE WATER THROUGH APPROPRIATE SEDIMENT CONTROL MEASURES TO REMOVE SILT AND PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE.

15. THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R). EXISTING MATERIALS WHICH ARE BEING REMOVED BUT NOT RE-USED ARE IDENTIFIED AS "REMOVE AND STOCKPILE" (R&S) OR "REMOVE & DISCARD" (R&D).

16. THE CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS SHOWN ON THESE PLANS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE CONTRACTING OFFICER'S REPRESENTATIVE.

17. CONTRACTOR SHALL PROTECT ALL MATERIALS ON THE JOBSITE FROM THE ELEMENTS THROUGHOUT THE PROJECT.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OR INJURY TO PROPERTY OF ANY CHARACTER, DURING THE EXECUTION OF THE WORK, RESULTING FROM ANY OMISSION, NEGLECT OR MISCONDUCT IN HIS MANNER OR METHOD OF EXECUTING THE WORK OR AT ANYTIME DUE TO DEFECTIVE WORK OR MATERIALS.

19. THE CONTRACTOR SHALL NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CONTRACTING OFFICER'S REPRESENTATIVE.

20. THE QUANTITIES SHOWN IN THE PLAN ARE SOLELY FOR THE INFORMATION OF THE CONTRACTOR. THE CONTRACTOR IS TO VERIFY THE QUANTITIES AS SHOWN WITH THOSE QUANTITIES AS SHOWN ON THE PLAN. ANY DIFFERENCE IN THE QUANTITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER'S REPRESENTATIVE FOR CLARIFICATION.

21. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO HAVE THE LOCATIONS OF THEIR UNDERGROUND UTILITIES MARKED PRIOR TO BEGINNING WORK. CAUTION SHALL BE EXERCISED TO AVOID INTERRUPTION OF SERVICES. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ANY EXISTING BURIED UTILITIES DAMAGED DURING CONSTRUCTION.

22. WHERE LACK OF INFORMATION, OR DISCREPANCY SHOULD APPEAR IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL REQUEST WRITTEN INTERPRETATION FROM THE CONTRACTING OFFICER BEFORE PROCEEDING WITH THAT PORTION OF WORK.

23. GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR COMPLETION OF ALL WORK SHOWN OR REASONABLY IMPLIED BY THESE DRAWINGS AND/OR SPECIFICATIONS.

24. UPON COMPLETION OF WORK, ALL CONSTRUCTION AREAS SHALL BE LEFT BROOM CLEAN AND FREE FROM DEBRIS. NO EXCESS MATERIALS SHALL BE LEFT ON SITE.

25. FINAL LOCATION OF ALL CONSTRUCTION ITEMS SHALL BE SUBJECT TO THE APPROVAL OF THE CONTRACTING OFFICER'S REPRESENTATIVE. BEFORE INSTALLATION, THE CONTRACTOR IS TO NOTIFY THE CONTRACTING OFFICER'S REPRESENTATIVE FOR INSPECTION AFTER THE LAYOUT IS COMPLETE. FIELD VERIFY CONSTRUCTION ITEM LOCATIONS WITH CONTRACTING OFFICER'S REPRESENTATIVE PRIOR TO INSTALLATION.

26. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, PRUNING, MOWING, FERTILIZING, ETC. OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE) OF AGGREGATE / SEEDING AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER'S REPRESENTATIVE.

27. THE CONTRACTOR SHALL COMPLETELY GUARANTEE AND MAINTAIN ALL AGGREGATE / SEED AREAS. FINAL ACCEPTANCE WILL BE GRANTED UPON COMPLETION OF ENTIRE PROJECT BY THE OWNER'S REPRESENTATIVE.

28. IF GRASS SEEDING IS DONE AT A TIME THAT IS NOT THE APPROPRIATE PLANTING SEASON, TEMPORARY GRASSING SHALL BE USED. TEMPORARY GRASSING SHALL BE WINTER RYE. THE LANDSCAPE CONTRACTOR SHALL THEN BE RESPONSIBLE FOR SEEING ALL TURF AREAS CALLED OUT ON THE PLAN DURING THE NEXT APPROPRIATE PLANTING SEASON.

29. PREFERABLE SEEDING SCHEDULE IS BETWEEN OCTOBER 15 - MARCH 15.

30. IF THE CONTRACTOR ASCERTAINS AT ANY TIME THAT REQUIREMENTS OF THIS CONTRACT CONFLICT WITH, OR ARE IN VIOLATION OF, APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES, HE SHALL NOT PROCEED WITH WORK IN QUESTION, EXCEPT AT HIS OWN RISK, UNTIL THE CONTRACTING OFFICER'S REPRESENTATIVE HAS BEEN NOTIFIED IN WRITING AND WRITTEN DETERMINATION IS MADE BY THE CONTRACTING OFFICER'S REPRESENTATIVE. WHERE COMPLETED OR PARTIALLY COMPLETED WORK IS DISCOVERED TO BE IN VIOLATION WITH APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES, CONTRACTOR SHALL BE REQUIRED TO REMOVE THAT WORK FROM THE PROJECT AND REPLACE SUCH WORK WITH ALL NEW COMPLYING WORK AT NO ADDITIONAL COST TO THE OWNER.

SITE NOTES:

1. ALL TREE SAVE AND UNDISTURBED AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING OR FENCING PRIOR TO THE START OF CONSTRUCTION ACTIVITY.

2. ALL UNPAVED AREAS WITHIN THE LIMITS OF DISTURBANCE SHALL BE SEEDED PER THE SPECIFICATIONS.

3. A SMOOTH TRANSITION BETWEEN EXISTING AND NEW PAVEMENT SHALL BE PROVIDED. FIELD ADJUSTMENTS MAY BE NECESSARY.

4. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.

5. MONUMENTS (WATER, BOUNDARY) SHALL BE SURVEYED PRIOR TO THE START OF CONSTRUCTION TO VERIFY THEIR ACCURACY AND TO ENSURE THE MONUMENTS ARE PROTECTED FROM DAMAGE DURING CONSTRUCTION ACTIVITIES AND RESET IN THE SAME LOCATION.

6. NO WORK WILL OCCUR OUTSIDE OF THE LIMITS OF DISTURBANCE WITHOUT CONTRACTING OFFICER'S REPRESENTATIVE APPROVAL.

7. COLOR OF ALL SURFACE COURSE PAVEMENT AT CHCH SHALL BE OF BROWNISH COLORING (BROWN RIVER ROCK AGGREGATE).

8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE N.P.S. TO ARRANGE A PRE-CONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE. THE CONTRACTOR SHALL ALSO NOTIFY THE N.P.S. INSPECTOR 48 HOURS PRIOR TO BEGINNING EACH PHASE OF CONSTRUCTION.

9. A COPY OF THE APPROVED CONSTRUCTION DOCUMENTS AND ALL PERMITS SHALL BE PRESENT ON SITE WHENEVER LAND DISTURBING ACTIVITIES ARE IN PROGRESS.

10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS DURING CONSTRUCTION.

11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS AND PARKING FOR THE PUBLIC DURING CONSTRUCTION IN AREAS OUTSIDE THE PROJECT LIMITS.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED GOVERNMENTAL INSPECTIONS.

13. UTILITY DISCLAIMER: THE EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS. PRIOR TO ANY CONSTRUCTION. ANY DEVIATION FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE CONTRACTING OFFICER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

GRADING AND DRAINAGE NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES.

2. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN 3H:1V UNLESS OTHERWISE NOTED ON THE PLANS.

3. CONTRACTOR TO FIELD VERIFY ALL EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO BEGINNING ANY WORK. NOTIFY CONTRACTING OFFICER'S REPRESENTATIVE OF ANY DISCREPANCIES.

4. POSITIVE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION. SOIL SOFTENED BY PERCHED WATER IN FOUNDATION AND PAVEMENT AREAS MUST BE UNDERCUT AND REPLACED WITH SUITABLE FILL MATERIALS APPROVED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.GROUNDWATER INFILTRATION INTO EXCAVATIONS SHOULD BE EXPECTED, AND THE WATER SHALL BE REMOVED USING GRAVITY DRAINAGE OR PUMPING.

5. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT, CURB OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.

6. GRADE TO DRAIN POSITIVELY INTO STORM DRAINS.

7. INSTALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION

8. EXISTING TREES SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. CARE SHALL BE TAKEN IN ALL GRADING ACTIVITIES TO REMAIN OUTSIDE THE DRIP LINES OF EXISTING TREES.

9. GRADES NOT OTHERWISE INDICATED ON THE PLANS SHALL BE UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN. ABRUPT CHANGES IN SLOPE SHALL BE WELL ROUNDED. SITE SHALL BE GRADED TO ASSURE DRAINAGE OF SURFACE WATER AWAY FROM ANY BUILDING PADS.

10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SURFACE AND GROUNDWATER CONTROL MEASURES.

CIVIL NOTES:

1. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK. ALL EQUIPMENT, WORK AND MATERIALS SHALL COMPLY WITH CURRENT, LOCAL AND FEDERAL APPLICABLE CODES AND GOVERNING REGULATIONS.

2. ALL WORK AND ALL MATERIAL FURNISHED SHALL BE IN REASONABLE CONFORMITY WITH TYPICAL SECTIONS, DIMENSIONS, MATERIAL REQUIREMENTS AND TESTING REQUIREMENTS THAT ARE SPECIFIED IN THE CONTRACT, PLANS OR SPECIFICATIONS.

3. ALL EXISTING MATERIALS TO BE REMOVED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE TRANSPORTED TO A LEGAL DISPOSAL LOCATION. STOCK PILING WILL NOT BE ALLOWED WITHIN THE PROJECT LIMITS WITHOUT PRIOR APPROVAL FROM NPS.

4. THE CONTRACTOR SHALL CONFORM TO APPLICABLE REGULATORY PROCEDURES AND NOTIFY THE OWNER WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS.

5. THE CONTRACTOR SHALL SUBMIT AND RECEIVE APPROVAL OF THEIR EROSION CONTROL PLAN PRIOR TO THE PRE-CONSTRUCTION MEETING.

6. CONTRACTOR SHALL TRANSITION MILL AT PAVEMENT LIMITS AND AS REQUIRED BY THE CO TO PROVIDE SMOOTH TRANSITION TO ADJACENT PAVEMENTS. ALL TRANSITION MILLING IS INCIDENTAL TO PAVING ITEMS.

7. EXISTING RPMs AT KIMO-0010 SHALL BE REMOVED AND DISCARDED PRIOR RO MILLING, UNLESS OTHERWISE INSTRUCTED BY THE COR. FINAL LIMITS OF PROPOSED RPMs TO BE INSTALLED ARE AS NOTED ON PLANS.

SAFETY AND SECURITY NOTES:

1. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS AND MARKING FOR HAZARDS AND THE CONTROL OF TRAFFIC IN REASONABLE CONFORMITY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS OR AS REQUIRED BY NPS, SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE THE WORK CAUSES OBSTRUCTIONS TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.

2. THE CONTRACTOR SHALL CONTROL HIS OPERATIONS AND THOSE OF HIS SUBCONTRACTORS AND ALL SUPPLIERS TO ASSURE THE LEAST INCONVENIENCE TO THE SITE USERS. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED MOVEMENT OF VEHICULAR TRAFFIC AND SHALL LIMIT HIS OPERATIONS FOR THE SAFETY AND CONVENIENCE OF THE PUBLIC.

3. THE CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR ALL SAFETY SIGNING, CONES AND DRUMS NECESSARY TO PROVIDE A SMOOTH AND PROPER TRANSITION FOR PEDETRIAN ACCESS AND TRAFFIC FLOW.

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C002	TITLE OF SHEET GENERAL NOTES 1 of 2 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 3 OF 88

02-Jul-26

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL COMPLY WITH THE SOUTH CAROLINA SOIL AND WATER CONSERVATION COMMISSION'S MANUAL FOR EROSION AND SEDIMENT CONTROL IN SOUTH CAROLINA.

2. CONTRACTOR TO COORDINATE WITH CONTRACTING OFFICER TO ENSURE ALL APPLICABLE CONSTRUCTION AND LAND DISTURBANCE PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING ANY WORK.

3. EROSION CONTROL MEASURES MUST IN PLACE AND OPERATIONAL PRIOR TO ANY LAND DISTURBING ACTIVITIES, AND MUST REMAIN IN PLACE AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED.

4. TEMPORARY CONSTRUCTION ACCESS POINTS MUST BE PROVIDED WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. PUBLIC ROADWAYS MUST BE FREE OF DIRT AND MUD.

5. ANY DISTURBED AREA LEFT EXPOSED FOR 14 OR MORE DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

6. THE CONTRACTOR SHALL CONTACT THE CONTRACTING OFFICER'S REPRESENTATIVE IF QUESTIONS ARISE CONCERNING TIMING, DESIGN AND/OR EFFECTIVENESS OF THE EROSION CONTROL MEASURES SHOWN ON THE PLANS.

7. THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION UPON THE DISCOVERY OF ANY DEFICIENCY IN THE EROSIONAL CONTROL MEASURES.

8. SILT FENCE MUST BE CLEANED OR RECONSTRUCTED ONCE SEDIMENT VOLUMES EXCEED 1/2 OF THE SILT FENCE HEIGHT OR AS DIRECTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

9. SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171 - TEMPORARY SILT FENCE OF THE DEPARTMENT OF TRANSPORTATION, STATE OF SOUTH CAROLINA, STANDARD SPECIFICATIONS, LATEST EDITION.

10. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES TO BE PLACED AT A LOCATION APPROVED BY THE CONTRACTING OFFICER'S REPRESENTATIVE. THE AREA AROUND THE SEDIMENT DISPOSAL SITE SHALL BE TREATED AS TO NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT RUNOFF.

11. REAPPLICATION OF THE VEGETATIVE MEASURES MAY BE REQUIRED TO MAINTAIN STABILIZATION.

12. THE CONTRACTOR SHALL MAINTAIN A DAILY RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF THE DAILY PRECIPITATION DURING CONSTRUCTION.

13. CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE EXPOSURE TIME OF DISTURBED AREAS.

14. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OFF SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

15. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE UMITS OF LAND DISTURBANCE SHALL BE CLEARED AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR INSIDE THE LIMITS INDICATED ON THE APPROVED PLANS.

16. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION.

17. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

18. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED

19. CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND CLEARING ANY DEBRIS AND SEDIMENT CAUSED BY CONSTRUCTION.

20. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE CONTRACTING OFFICER'S REPRESENTATIVE IMMEDIATELY.

21. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL THE SILT BARRIERS ARE CONSTRUCTED.

22. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY CONTRACTING OFFICER'S REPRESENTATIVE OR FULTON COUNTY INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENDUSE MEASURES ARE FUNCTIONING PROPERLY.

23. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.

24. SEDIMENT / EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAD REACHED ONE HALF OF THE CAPACITY OF THE DEVICE.

25. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT ANY ACCUMULATED SEDIMENT IN THE STORM SYSTEM ONCE FINAL STABILIZATION AS BEEN ACHIEVED.

26. APPLY PERMANENT SEEDING PER THE EROSION CONTROL PLANS TO ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER GRADING IS COMPLETE.

27. SILT FENCE SHALL BE REMOVED ONCE SITE STABILIZATION HAS BEEN ACHIEVED AND ACCEPTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

28. ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED BEYOND THOSE SHOWN ON THE EROSION CONTROL PLAN. IF NECESSARY ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS AND THE NATIONAL PARK SERVICE INSPECTOR.

TREE PROTECTION NOTES:

1. CONTRACTOR TO STAKE THE LIMITS OF CLEARING, GRADING AND WALKWAY LIMITS THAT AFFECT TREE SAVE AREAS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

2. THE CONTRACTING OFFICER'S REPRESENTATIVE SHALL REVIEW AND APPROVE THE LOCATION OF TREE PROTECTION MEASURES PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION BARRICADES SHALL BE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, AND SHALL BE INSTALLED IN LOCATIONS AS DIRECTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

3. ALL GRADING AND EARTHWORK WITHIN PROTECTED ROOT ZONE AREAS SHALL BE DONE BY HAND OR SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.

4. DO NOT OPERATE OR STORE HEAVY EQUIPMENT WITHIN THE DRIP LINES OF TREES TO BE PROTECTED.

UTILITY NOTES:

1. THE LOCATION OF EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS FEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM NPS SCOPING VISITS AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR WILL HALT ALL CONSTRUCTION AND NOTIFY NPS IMMEDIATELY.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES AND FIBER OPTICS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CROSSING AN UNDERGROUND UTILITY; WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE PROTECTED OR RELOCATED BY THE RESPECTIVE UTILITY PROVIDERS AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY PROVIDER DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3. CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN GOOD WORKING ORDER AND SHALL PROTECT THEM FROM DAMAGE UNTIL THE WORK IS COMPLETED AND ACCEPTED.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL UTILITY STRUCTURES THAT ARE DAMAGED OR DISTURBED AS A RESULT OF ITS OPERATIONS.

5. ALL EXISTING UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO FINAL GRADE UNLESS OTHERWISE STATED.

6. CONTRACTOR SHALL FOLLOW LOCAL, STATE AND FEDERAL "CALL BEFORE YOU DIG" LAWS. NOTIFICATION REQUESTS SHALL BE COMPLETED 72 HOURS IN ADVANCE OF ANY EXCAVATION ACTIVITIES. EXCAVATION SHALL NOT PROCEED UNTIL POSITIVE NOTIFICATIONS HAVE BEEN RECEIVED FROM ALL MEMBER UTILITIES.

7. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AND MATCH, OR IMPROVE EXISTING DRAINAGE CONDITIONS.

8. WHEN IT IS NECESSARY TO INTERRUPT ANY EXISTING UTILITY SERVICE TO MAKE CORRECTIONS AND/OR CONNECTIONS, A MINIMUM OF 48 HOURS ADVANCE NOTICE SHALL BE GIVEN TO THE OWNER. INTERRUPTIONS IN UTILITY SERVICES SHALL BE OF THE SHORTEST POSSIBLE DURATION FOR THE WORK AT HAND AND SHALL BE APPROVED IN ADVANCE BY NPS.

9. IN THE EVENT THE UTILITY SERVICE IS INTERRUPTED WITHOUT THE REQUIRED 48 HOURS NOTICE, THEN THE CONTRACTOR SHALL BE FINANCIALLY LIABLE FOR ALL DAMAGES SUFFERED BY THE OWNER DUE TO THE UNAUTHORIZED INTERRUPTION. NPS SHALL BE NOTIFIED IMMEDIATELY. RECONNECTION SHALL BE MADE IMMEDIATELY.

PAVING NOTES:

1. PAVEMENT SHALL BE OF TYPE, THICKNESS AND CROSS SECTION AS INDICATED ON PLANS.

2. EXISTING PAVEMENTS SHALL BE MILLED WHERE THEY MEET PROPOSED RESURFACING AND SHALL BE SMOOTH AND STRAIGHT. WHERE NEW BITUMINOUS CONCRETE MEETS EXISTING BITUMINOUS CONCRETE SURFACES, MILLED EDGES ARE TO BE SEALED WITH BITUMEN.

3. ASPHALT EMULSION FOR TACK COAT SHALL BE SPRAY APPLIED FOR DOUBLE OVERLAP COVERAGE AT 0.07 GAL/SY OVER MICRO MILLED SURFACES, AND 0.05 GAL/SY OVER SMOOTH SURFACES.

4. CONTRACTOR SHALL PERFORM QUALITY CONTROL TESTING FOR CONFORMANCE TO SPECIFICATIONS.

5. CONTRACTOR SHALL MAKE A CONSTRUCTION JOINT AT THE END OF EACH DAY'S CONSTRUCTION BY TRIMMING THE END OF THE COMPACTED MIXTURE TO A STRAIGHT VERTICAL PLANE, NORMAL TO THE CENTERLINE OF THE ROADWAY AND WITH THE VERTICAL EDGE IN THOROUGHLY COMPACTED MATERIAL.

PAVEMENT MARKING NOTES

1. PAVEMENT SURFACES SHALL BE CLEAN, DRY, AND FREE OF DUST, DEBRIS, OIL, AND CONTAMINANTS PRIOR TO APPLICATION TO ENSURE PROPER ADHESION.

2. CONTRACTOR SHALL FIELD LAY OUT ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS AND MUTCD. ROADWAY STRIPING SHALL BE STRAIGHT, UNIFORM, AND PROPERLY ALIGNED WITH THE ROADWAY GEOMETRY.

   EQUIPMENT SHALL BE PROPERLY CALIBRATED AND OPERATED TO PREVENT WAVINESS, MISALIGNMENT, OR IRREGULAR WIDTH. FINAL STRIPING LAYOUT SHALL BE REVIEWED AND APPROVED BY THE CO PRIOR TO INSTALLATION.

3. A MINIMUM 500 LF CONTROL STRIP (OR REPRESENTATIVE PARKING LAYOUT SEGMENT) SHALL BE INSTALLED FOR CO APPROVAL PRIOR TO FULL PRODUCTION STRIPING.

4. STRIPING EQUIPMENT SHALL BE MAINTAINED IN PROPER WORKING CONDITION. SPRAY NOZZLES SHALL BE CLEAN AND FUNCTIONING TO ENSURE UNIFORM WIDTH, THICKNESS, AND EDGE DEFINITION.

5. TYPE H - THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED FOR STOP BARS AND PEDESTRIAN CROSSWALKS. TYPE B - WATERBORNE TRAFFIC PAINT SHALL BE USED FOR ALL OTHER STRIPING UNLESS OTHERWISE NOTED.

6. 6 THERMOPLASTIC SHALL BE APPLIED IN A SINGLE UNIFORM LAYER AT SPECIFIED THICKNESS. OVERLAPPING PASSES, EXCESSIVE BUILDUP, OR RAISED EDGES THAT CREATE SURFACE IRREGULARITIES WILL NOT BE PERMITTED.

7. ALL PAVEMENT MARKINGS SHALL BE FREE OF MISALIGNMENT, IRREGULAR WIDTH, STREAKING, OVERSPRAY, BUILDUP RIDGES, OR OTHER DEFECTS. NONCONFORMING MARKINGS SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE N.P.S. TO ARRANGE FOR A PRE-CONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBING ACTIVITIES.

STAGING NOTES:

1. THE PHASING PLANS SHOWN IN THIS PLAN SET ARE PRELIMINARY AND PROVIDED FOR CONCEPTUAL GUIDANCE ONLY. THE CONTRACTOR SHALL DEVELOP A DETAILED CONSTRUCTION SCHEDULE AND PHASING PLAN BASED ON THEIR MEANS AND METHODS AND SUBMIT IT TO THE CO FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK. THE CONTRACTOR'S PROPOSED PHASING MAY DIFFER FROM THE CONCEPTUAL PHASING SHOWN, PROVIDED PROJECT REQUIREMENTS FOR ACCESS, SAFETY, AND OPERATIONS ARE MAINTAINED.

2. CONTRACTOR SHALL MAINTAIN ADA COMPLIANT PEDESTRIAN ACCESS TO ALL PARK VISITOR CENTERS DURING CONSTRUCTION

3. ONLY ONE BOAT RAMP PER PARK IS ALLOWED TO BE CLOSED FOR CONSTRUCTION AT ANY GIVEN TIME.

4. CONTRACTOR IS TO MAINTAIN ONE-WAY TRAFFIC AROUND ROAD WORK AREAS. WHEN APPLICABLE, THE CONTRACTOR SHALL PROVIDE FLAGGERS TO ENSURE PROPER FLOW OF TRAFFIC ADJACENT TO WORK AREAS.

5. DURING CONSTRUCTION IN PARKING LOTS, THE CONTRACTOR SHALL MAINTAIN THE MINIMUM NUMBER OF PARKING SPOTS AS DESIGNATED IN THE SPECIFICATIONS.

6. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED AT THE COMPLETION OF EACH CONSTRUCTION PHASE WHERE FINAL STRIPING IS NOT IMMEDIATELY APPLIED. TEMPORARY MARKINGS SHALL MAINTAIN SAFE AND CLEARLY DEFINED PARKING STALLS, TRAFFIC FLOW, AND PEDESTRIAN CROSSINGS UNTIL FINAL STRIPING IS COMPLETED.

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C003	TITLE OF SHEET GENERAL NOTES 2 of 2 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 / 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 4 OF 88

02-Jul-26

Abutment	Abut.	Length of Spiral	Ls
Aggregate	aggr.	Longitudinal	long.
Ahead	AH	Low Water	LW
Alternate	alt.	Mainline	M.L.
Average Daily Traffic	ADT	Material	matl.
Back	BK	Maximum	max.
Backslope Anchor Terminal	BAT	Mile [Kilometer] post	M.P. [K.P.]
Balance Point	BP	Minimum	min.
Bearing	brg.	Monument	mon. or MON
Beginning	beg.	Mechanically Stabilized Embankment	MSE
Bench Mark	BM	Nominal Max. Aggregate Size	NMAS
Broken White	BW	Normal Crown	NC or NCR
Centerline	℄	North	N
Center to Center	cc, c-c or c. to c.	Original Ground	OG
Centers	ctrs.	Out to Out	o. to o.
Clear	clr.	Outside Diameter	OD
Column	col.	On Centers	o.c.
Connection	conn.	Pavement	pvmt.
Construction Joint	Constr. jt.	Plate	pl.
Continuous	cont.	Point of Compound Curve	PCC
Corrugated Metal Pipe	CMP	Point of Curve	PC
Culvert	culv.	Point of Curve to Spiral	PCS or CS
Curve Central Angle (Spiral Curve Transitions)	Δc	Point of Intersection	PI
Curve Total Angle (Curve Delta or Deflection)	Δ	Point of Spiral to Curve	PSC or SC
Design Hourly Volume	DHV	Point of Spiral to Tangent	SRS
Design Speed	V	Point of Tangent	PT
Diagonal	diag.	Point of Tangent to Spiral	PS or TS
Diameter	D, dia.	Point on Curve	POC
Diaphragm	diaph.	Point on Spiral	POS
Double Solid Yellow Line	DSY	Point on Tangent	POT
Drawing(s)	dwg(s), or drwg(s)	Radius	R
Drop Inlet	DI	Reinforcement (Reinforced)	reinf.
East	E	Required	reqd.
Edge of Pavement	EP or EOP	Right	Rt., rt. or RT
Elevation	elev.	Right-of-way	R/W
Elevation with Number	El. 94.161 [El. 94.16]	Roadway	Rdwy.
		Route	Rte.
Embankment	emb.	Section	Sec.
End Section	ES	Solid White	SW
Equation	EQ or eq.	South	S
Equivalent Single Axle Load	ESAL	Spacing, spaces, or spaced	spa.
Excavation	exc.	Spiral Center Angle	s
Expansion Joint	exp. jt.	Standard	std.
Flared Anchor Terminal	FAT	Station	Sta.
Footing	ftg.	Steel Backed Timber	SBT
Galvanized	galv.	Stiffener	stiff.
Gage (Gauge)	ga.	Stringer	stgr.
Gyratory Mix, Asphalt	GACP	Structure	struc.
Concrete Pavement	PCC	Superelevation rate	e
Headwall	hdwl.	Symmetrical	sym.
Hexagon	hex.	Tangent Distance (tangent length)	T
High Water	HW	Temporary Benchmark	TBM
Inside Diameter	ID	Temporary Construction Easement	TCE
Joint	jt.	Thread	thd.
Lamination	lam.	Township	T.
Latitude	lat.	Typical	typ.
Left	lt., Lt. or LT	Vehicle per Hour	vph
Length of Curve (simple curve)	L	Vertical point of Intersection	VPI
Length of Curve (spiral curve transition)	Lc	West	W

NATIONAL BOUNDARY
STATE BOUNDARY
COUNTY BOUNDARY
CITY BOUNDARY
TOWNSHIP or RANGE LINE
SECTION LINE
$\frac{1}{4}$ SECTION LINE
$\frac{1}{16}$ SECTION LINE
NATIONAL PARK or FOREST BOUNDARY
PROPERTY LINE (P/L)
TRAVERSE POINT (HORIZ. & VERT.) TOP OF TRIANGLE POINTS NORTH (T-45, 2,645.9)
TRAVERSE POINT (HORIZ.) (T-3)
BRASS CAP
STEEL PIN
HUB & TACK
SPOT ELEVATION (x 99.9)
COORDINATE GRID TICK

	EXISTING	PROPOSED
RIGHT-OF-WAY LINE	R/W	R/W
RIGHT-OF-WAY LINE with MONUMENT	R/W	R/W
SECTION CORNER	FOUND (36 31 / 1 6)	PROJECTED (36 31 / 1 6)
$\frac{1}{4}$ SECTION CORNER	15 / 22	15 / 22
$\frac{1}{16}$ SECTION		
PROPERTY CORNER		NO SYMBOL
PARCEL NUMBER	NO SYMBOL	400
EASEMENT (PERMANENT - CONSTRUCTION)	P/E	C/E

ROUTE NUMBERS: 26 INTERSTATE; 25 U.S.; 694 STATE

SLOPE STAKE: TOP OF CUT; TOE OF FILL; TRANSITION
ROADWAY, EXISTING: EOP; EOG
RAILROAD: SINGLE TRACK; MULTIPLE TRACK
TRAIL
INTERMITTENT DRAINAGE/SMALL CREEK
SPRING
LARGE CREEK/RIVER
LAKE, POND or RESERVOIR; MARSHLAND
SILT FENCE (SF)
DIVERSION BERM (DB)
DIVERSION CHANNEL
CHECK DAM
RIPRAP/CULVERT RIPRAP
BORING LOCATION (B-1)
TEST PIT (TP-1)
NORTH ARROW
MATERIAL SOURCE

		EXISTING	PROPOSED
GATE WITH FENCE		X X	XX XX
CATTLEGUARD			
GUARDRAIL MEDIAN & SIDE (CONCRETE BARRIER)			
SIGNS	POST MOUNTED		
	PORTABLE	No Symbol	
RETAINING WALL			wall face
OVERHEAD (POWER POLE) UTILITIES P=ELECTRICAL FOR TRANSMISSION LINE E= ELECTRICAL FOR DISTRIBUTION LINE T=TELEPHONE, E&T=JOINT ELECTRICAL & TELEPHONE FO=FIBER OPTICS		P	P
SUPPORT POLE with ANCHOR			
TELEPHONE BOOTH or PEDESTAL		TB or TP	TB or TP
STREET LIGHT		or	or
UNDERGROUND UTILITIES G=GAS, O=OIL, P-POWER, SS=SANITARY SEWER, SD=STORM DRAIN, T=TELEPHONE, W=WATER, E=ELECTRICAL, FO=FIBEROPTICS		W	W
BRIDGE			
PIPE CULVERT (ARROW SHOWS FLOW)			
PIPE CULVERT with END SECTION			
PIPE CULVERT with HEADWALL			
CULVERT with DROP INLET			
BOX CULVERT			
UNDERDRAIN		UD	UD
BUILDING			
TREELINE; TREE			

PROJECT SPECIFIC SYMBOLS AND ABBREVIATIONS :

LEGEND	
S1	SIGN
M1	MONUMENT
F1	FENCE
C1	CURB
Cs1	STONE CURB
Cw1	WOODEN CURB

LEGEND	
C/G1	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
Cvt1	CULVERT
U1	UTILITY
Ap1	PAVED APRON
Au1	UNPAVED APRON

LEGEND	
T1	TRAFFIC LOOP
G1	GATE
P1	PATCH
A1	AGGREGATE SEED
X1	PEDESTRIAN X-ING
# #	PAGE # DETAIL #

ITEM	ABBREVIATION
NORTH BOUND	NB
SOUTH BOUND	SB
EAST BOUND	EB
WEST BOUND	WB
STATION	STA

ITEM	ABBREVIATION
EXISTING	EX
PROPOSED	PROP
ROAD	RD
PARKWAY	PKWY
DRIVE	DR

ITEM	ABBREVIATION
HIGHWAY	HWY
REMOVE & REPLACE	R&R
DETACH & RESET	D&R
REMOVE & DISCARD	R&D
REMOVE & STOCKPILE	R&S

NOTES:
1. ITEMS IN BLUE ARE PROPOSED

DESIGNED: N. FARUK
CADD: N. JONES
TECH REVIEW: J. GOULD, E. SWEARINGEN
DATE: 07/26

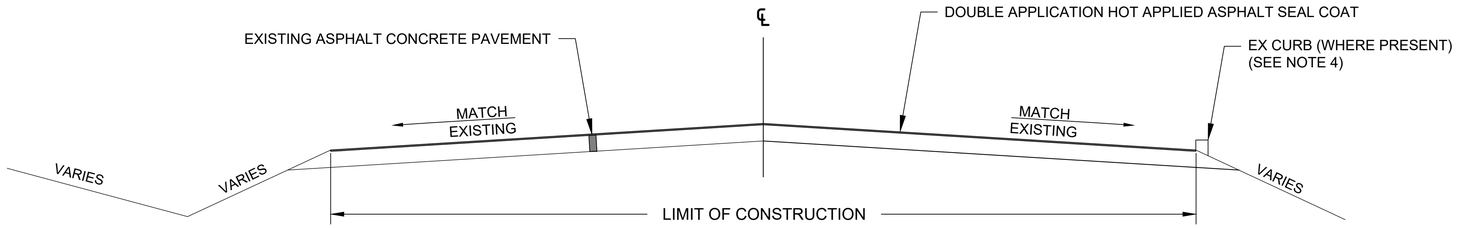
SUB SHEET NO. 00-C004

TITLE OF SHEET: SYMBOLS & ABBREVIATIONS

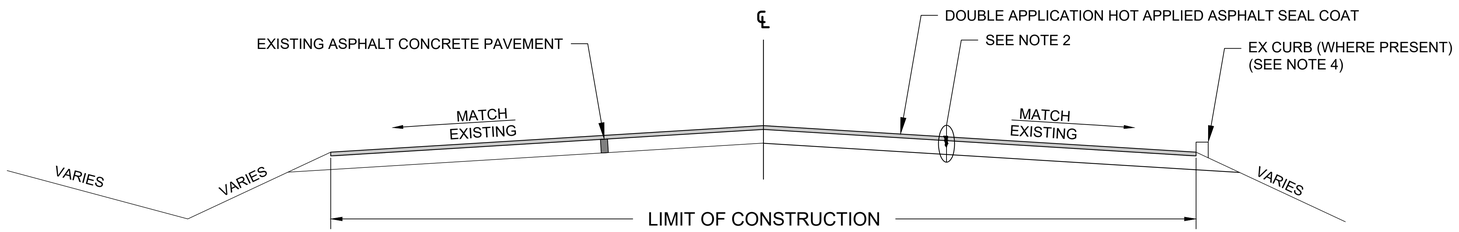
PAVEMENT PRESERVATION
SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)

DRAWING NO. 178 197,917
PKG. NO. 334914 334929 334920 334915
SHEET 5 OF 88

02-Jul-26



PAVEMENT PRESERVATION TREATMENT,
SEAL COAT



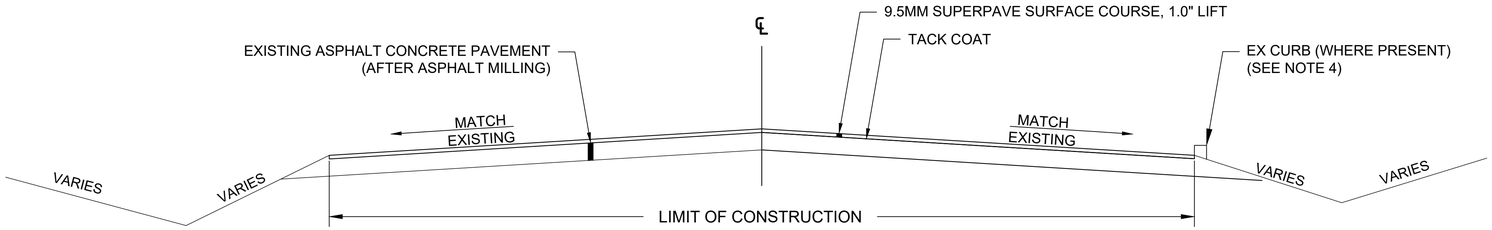
PAVEMENT PRESERVATION TREATMENT,
CRACK SEAL & SEAL COAT

Notes:

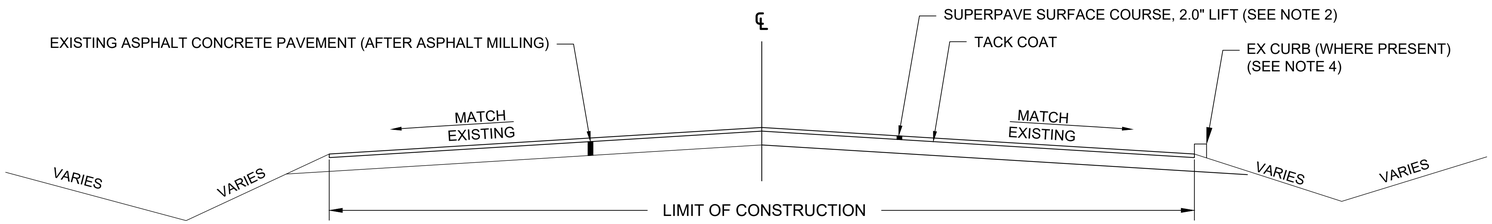
1. REFER TO THE PAVEMENT SUMMARY SHEETS FOR AREA AND EXTENT OF ASPHALT PAVEMENT PRESERVATION TREATMENT, LIMIT WORK TO THE FOOTPRINT OF THE EXISTING PAVEMENT.
2. PERFORM CRACK SEALING, FILLING AND SEALING ACCORDING TO SHEET 12 AT LOCATIONS APPROVED BY THE COR.
3. PROTECT ROADSIDE ELEMENTS SUCH AS CURB AND GUTTER, CONCRETE BARRIERS, CONCRETE ISLANDS, AND MANHOLES FROM ASPHALT OVERSPRAY DURING ALL ASPHALT PRESERVATION TREATMENT.
4. CURB SHOWN ON ONE SIDE FOR ILLUSTRATION PURPOSES ONLY. PRESENCE AND LOCATION OF CURBS WILL VARY BY SITE.
5. REMOVE WHEELSTOPS LOCATED WITHIN THE AREA TO BE TREATED TO ENSURE THAT ASPHALT PAVEMENT PRESERVATION TREATMENT IS APPLIED TO THE ENTIRE PARKING AREA. RESET WHEELSTOPS AFTER PAVING IS COMPLETED.
6. REMOVE THERMOPLASTIC MARKINGS PRIOR TO PLACING ASPHALT PAVEMENT PRESERVATION TREATMENT.
7. SUPERPAVE MIXES SHALL UTILIZE PG64-22 LIQUID ASPHALT GRADING PER SPECIFICATION 32 12 16 UNLESS OTHERWISE NOTED.
8. SUPERPAVE MIXES SHALL BE TRAFFIC LEVEL B UNLESS OTHERWISE NOTED.

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C301	TITLE OF SHEET TYPICAL SECTIONS 1 of 3 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 / 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 6 OF 88

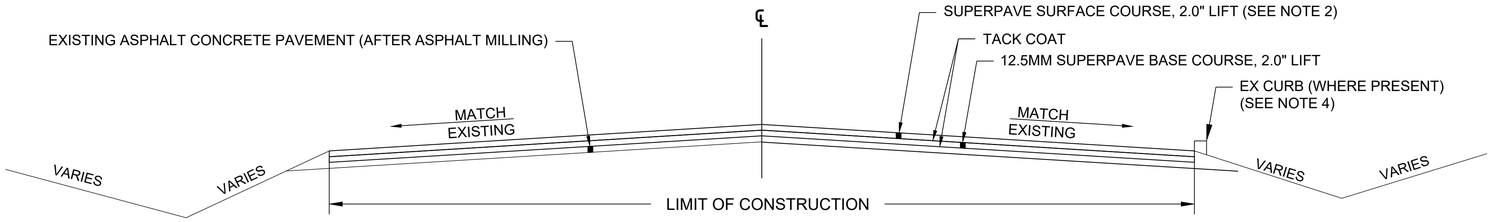
02-Jul-26



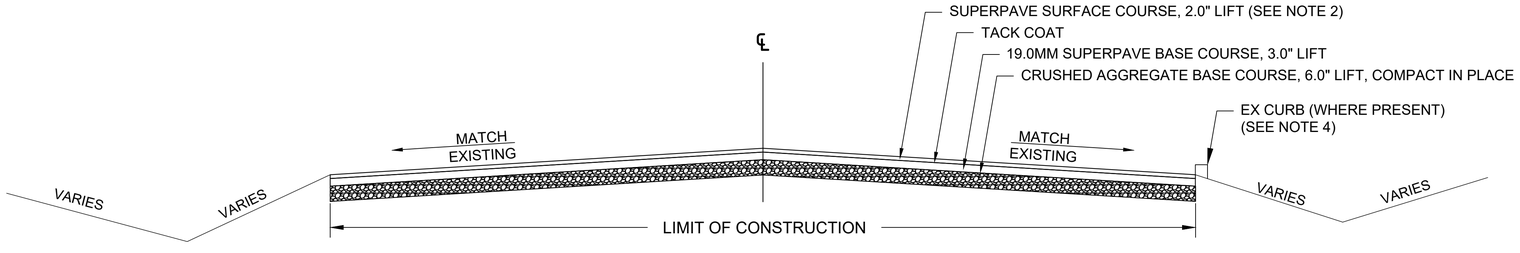
PAVEMENT PRESERVATION TREATMENT,
1.0" ASPHALT MILL & OVERLAY



PAVEMENT PRESERVATION TREATMENT,
2" ASPHALT MILL & OVERLAY



PAVEMENT PRESERVATION TREATMENT,
4" ASPHALT MILL & OVERLAY (2 LIFTS)



PAVEMENT PRESERVATION TREATMENT,
ASPHALT RECONSTRUCTION

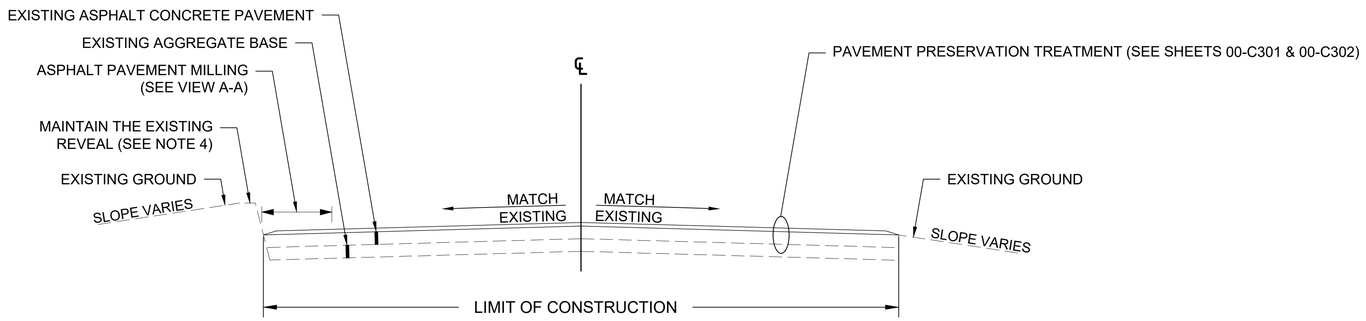
Notes:

1. REFER TO THE PAVEMENT SUMMARY SHEETS FOR AREA AND EXTENT OF ASPHALT PAVEMENT PRESERVATION TREATMENT, LIMIT WORK TO THE FOOTPRINT OF THE EXISTING PAVEMENT.
2. AGGREGATE SIZE FOR 2.0" SUPERPAVE SURFACE COURSE IS DEPENDENT ON THE USAGE. ALL ROADWAYS SHALL USE A 12.5MM NMAS WHILE ALL PARKING LOTS SHALL USE A 9.5MM NMAS.
3. PROTECT ROADSIDE ELEMENTS SUCH AS CURB AND GUTTER, CONCRETE BARRIERS, CONCRETE ISLANDS, AND MANHOLES FROM ASPHALT OVERSPRAY DURING ALL ASPHALT PRESERVATION TREATMENT.
4. CURB SHOWN ON ONE SIDE FOR ILLUSTRATION PURPOSES ONLY. PRESENCE AND LOCATION OF CURBS WILL VARY BY SITE.
5. REMOVE WHEELSTOPS LOCATED WITHIN THE AREA TO BE TREATED TO ENSURE THAT ASPHALT PAVEMENT PRESERVATION TREATMENT IS APPLIED TO THE ENTIRE PARKING AREA. RESET WHEELSTOPS AFTER PAVING IS COMPLETED.
6. REMOVE THERMOPLASTIC MARKINGS PRIOR TO PLACING ASPHALT PAVEMENT PRESERVATION TREATMENT.
7. SUPERPAVE MIXES SHALL UTILIZE PG64-22 LIQUID ASPHALT GRADING PER SPECIFICATION 32 12 16 UNLESS OTHERWISE NOTED.
8. SUPERPAVE MIXES SHALL BE TRAFFIC LEVEL B UNLESS OTHERWISE NOTED.

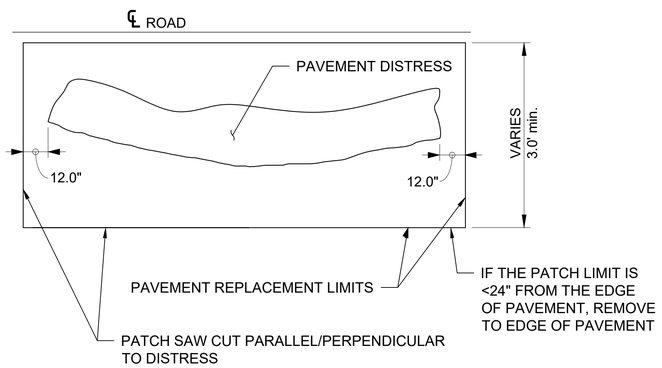
DETAILS NOT TO SCALE

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C302	TITLE OF SHEET TYPICAL SECTIONS 2 of 3 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 / 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 7 OF 88

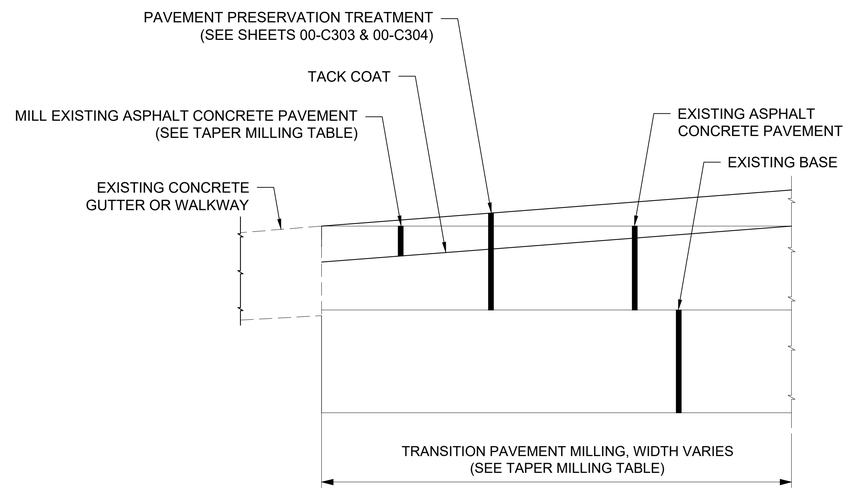
02-Jul-26



ROADWAY OR PARKING AREA WITH CURB



ASPHALT PATCH PLAN DETAIL



VIEW A-A

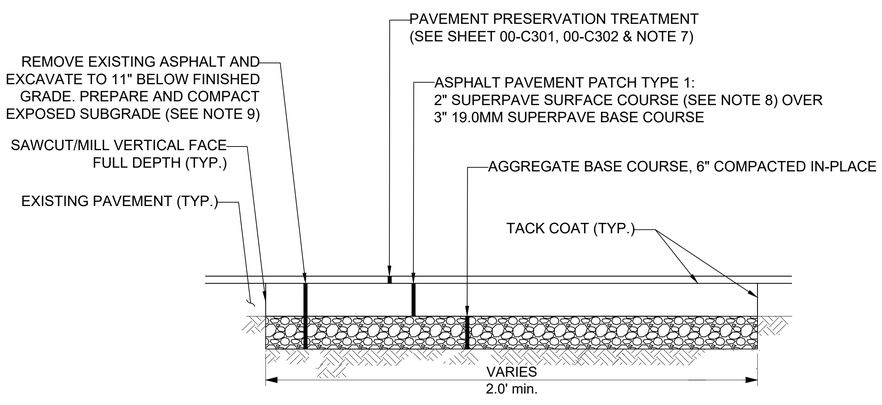
NOTES:

1. REFER TO THE PAVEMENT SUMMARY SHEETS FOR AREA AND EXTENT OF ASPHALT PAVEMENT PRESERVATION TREATMENT, LIMIT WORK TO THE FOOTPRINT OF THE EXISTING PAVEMENT.
2. PERFORM CRACK SEALING, FILLING AND SEALING ACCORDING TO SHEET 12 AT LOCATIONS APPROVED BY THE COR.
3. MATCH EXISTING SIDEWALK, ADA RAMPS AND GUTTER ELEVATIONS BY MILLING ACCORDING TO VIEW A AND TAPER MILLING TABLE OR AS DIRECTED BY THE COR. TRANSITION TO EXISTING PAVEMENT ELEVATIONS ACCORDING TO DETAIL E401-01.
4. THE COR WILL DETERMINE THE PATCHING LIMITS BASED ON CONDITIONS ENCOUNTERED AT TIME OF CONSTRUCTION.
5. REMOVE WHEELSTOPS LOCATED WITHIN THE AREA TO BE TREATED TO ENSURE THAT ASPHALT PAVEMENT PRESERVATION TREATMENT IS APPLIED TO THE ENTIRE PARKING AREA. RESET WHEELSTOPS AFTER PAVING IS COMPLETED.
6. PAVEMENT MARKINGS SHALL MATCH EXISTING LAYOUTS UNLESS SHOWN DIFFERENTLY ON PLAN. REMOVE THERMOPLASTIC MARKINGS AND RAISED PAVEMENT MARKERS (RPMs) PRIOR TO PLACING ASPHALT PAVEMENT PRESERVATION TREATMENT.
7. ALL PATCH SURFACE COURSES WILL BE CONSTRUCTED MONOLITHICALLY WITH THE MILL AND OVERLAY, WHERE SUCH TREATMENT COINCIDE WITH THE PATCHING.
8. AGGREGATE SIZE FOR SUPERPAVE SURFACE COURSE IS DEPENDENT ON THE USAGE. ALL ROADWAYS SHALL USE A 12.5MM NMAS WHILE ALL PARKING LOTS SHALL USE A 9.5MM NMAS.
9. FOR PATCH TYPE 1, IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED BELOW THE REQUIRED 11" EXCAVATION DEPTH, REMOVE UNSUITABLE MATERIAL AND BACKFILL IN ACCORDANCE WITH SECTION 31 23 10 AS DIRECTED BY THE COR.

TAPER MILLING TABLE

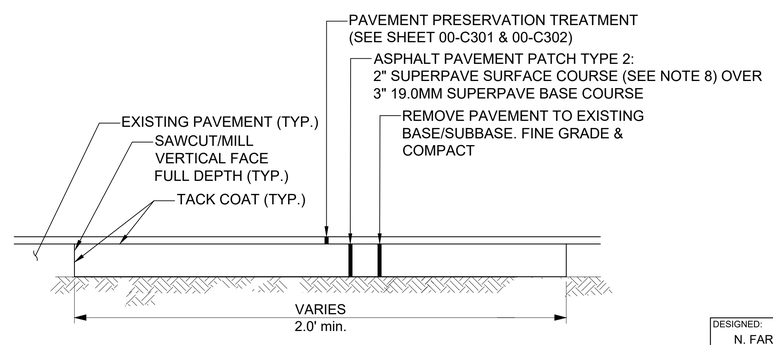
MILLING DEPTH	MILLING WIDTH (FT)*
0.0" TO 1.0"	3
1.1" TO 2.0"	6
2.1" TO 3.0"	9
3.1" TO 4.0"	12

** SEE NOTES*



SECTION A-A

ASPHALT PAVEMENT PATCH - TYPE 1



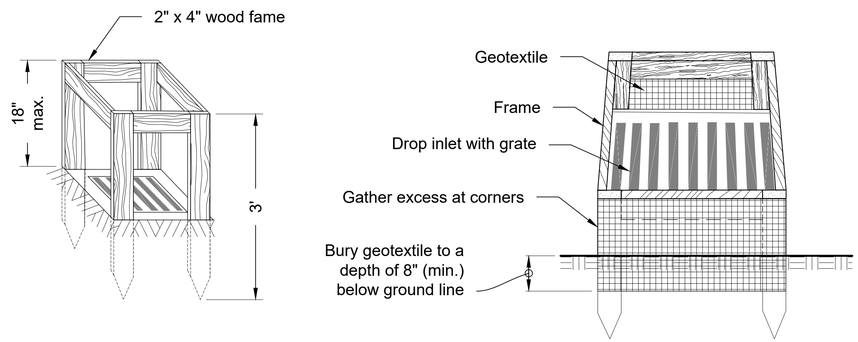
SECTION A-A

ASPHALT PAVEMENT PATCH - TYPE 2

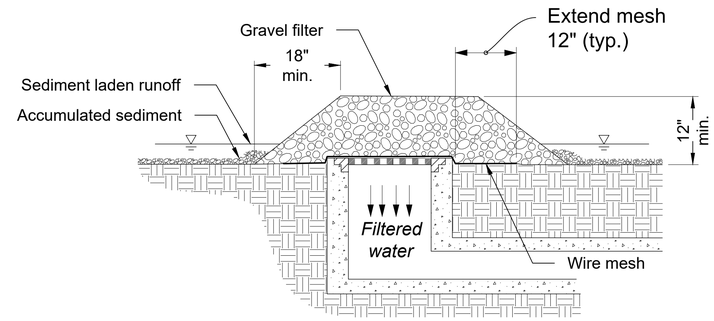
DETAILS NOT TO SCALE

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. JONES	00-C303	TYPICAL SECTIONS 3 of 3	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	SHEET 8 OF 88
DATE: 07/26			

02-Jul-26



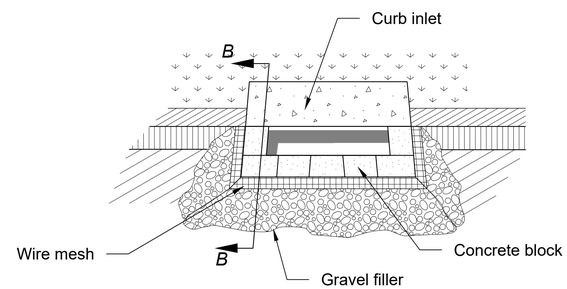
SILT FENCE DROP INLET PROTECTION (TYPE A)

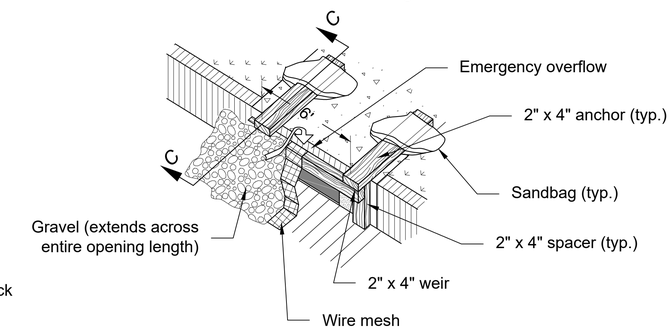


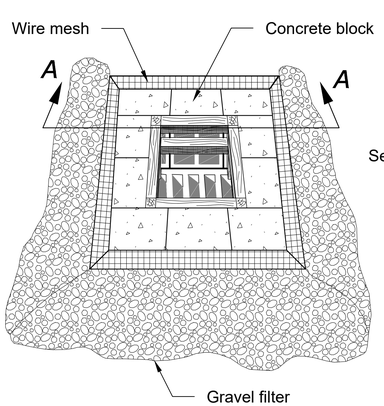
GRAVEL AND WIRE MESH DROP INLET PROTECTION (TYPE B)

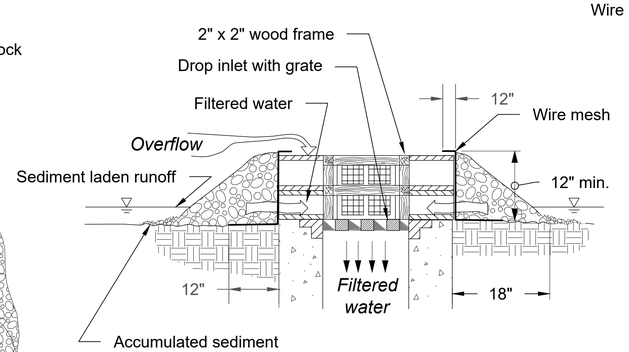
Notes:

1. *Provide temporary inlet protection at all inlets located within areas receiving milling, seal-coat, or paving operations.*
2. *Select the protection method most appropriate for the inlet configuration and drainage condition.*
3. *Avoid installation methods that cause excessive ponding or restrict parking-lot access, pedestrian movement, or ADA routes.*
4. *Inspect and maintain inlet protection daily during paving operations and after each rainfall. Remove accumulated debris or millings and restore drainage as needed.*
5. *Remove inlet protection promptly after final sweeping and before reopening the lot to traffic.*
6. *For gravel fillers use 2- by 3-inch diameter coarse aggregate.*
7. *Use wire mesh with $\frac{1}{2}$- by $\frac{1}{2}$-inch openings.*
8. *Use type A inlet protection in sump locations only.*
9. *Use type B inlet protection only in sump locations where heavy concentrated flows are not expected.*
   Do not use where ponding around the structure might cause inconvenience or damage.



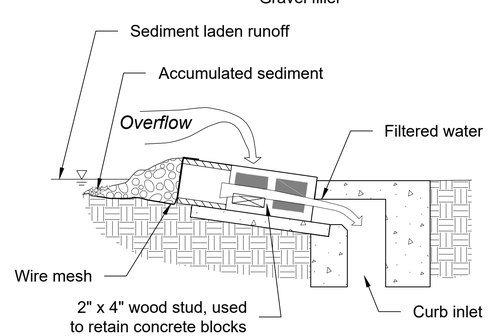






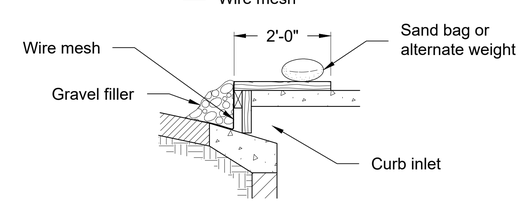
SECTION A-A

BLOCK AND GRAVEL DROP INLET PROTECTION (TYPE C)



SECTION B-B

CURB INLET PROTECTION, BLOCK AND GRAVEL (TYPE D)

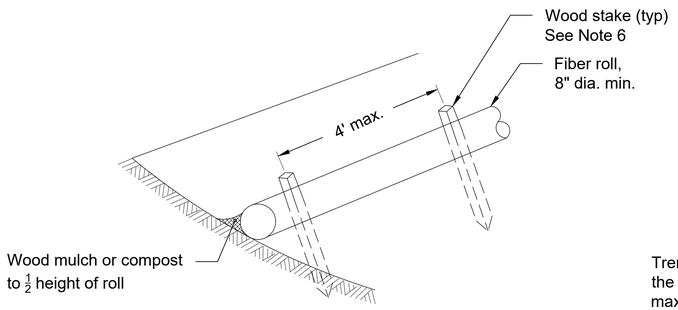


SECTION C-C

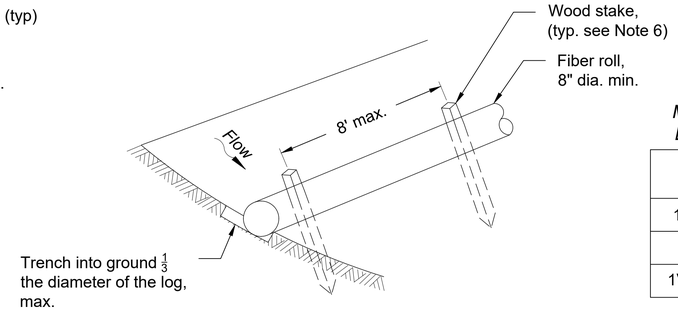
CURB INLET PROTECTION, WOODEN WEIR (TYPE E)

DESIGNED: N. FARUK CADD: N. BUJWID TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 00-C501	TITLE OF SHEET CONSTRUCTION DETAILS TEMPORARY INLET PROTECTION 1 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 9 OF 88

02-Jul-26



UNTRENCHED INSTALLATION

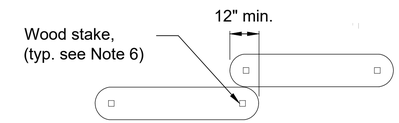


ENTRENCHED INSTALLATION

FIBER ROLL ISOMETRIC VIEW

MAXIMUM ALLOWABLE SLOPE LENGTH ABOVE FIBER ROLLS

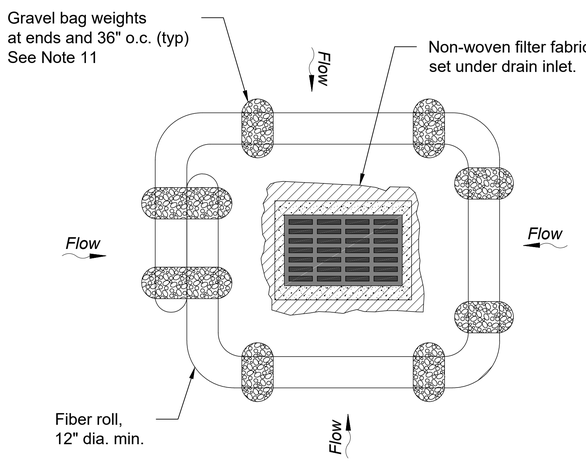
SLOPE	MAX INTERVAL
1V:4H or Flatter	20 Ft
1V:4H - 1V:2H	15 Ft
1V:2H or Steeper	10 Ft



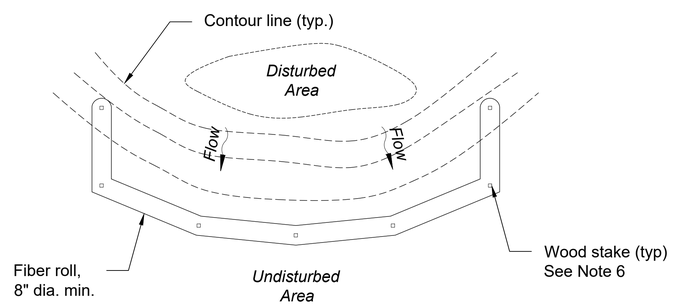
ROLL OVERLAP

Notes:

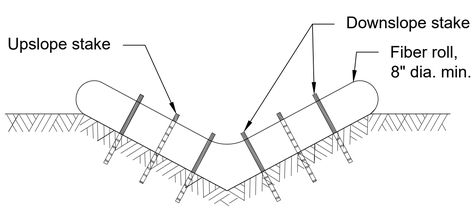
1. *Use fiber rolls to intercept and filter runoff from disturbed shoulder or patch areas until permanent stabilization is achieved.*
2. *Install along the down-slope limit of aggregate/seed repair areas and up-slope of drop inlets in vegetated areas.*
3. *For use on paved shoulders, support rolls with gravel bags or equivalent ballast.*
4. *Maintain in place until vegetation is established; remove upon final stabilization.*
5. *Install, maintain, and remove in accordance with Specification 01.57.23 - Temporary Storm Water Pollution Prevention.*
6. *Use fiber rolls with a minimum 8-inch diameter. For drain inlet protection, use fiber rolls with a minimum 12-inch diameter.*
7. *Prior to installation, clear all obstructions including rocks, clods, and debris greater than 1-inch that may interfere with proper function of the fiber roll.*
8. *For untrenched installation, blow or hand place mulch or compost on uphill side of the slope along the fiber roll.*
9. *Place fiber rolls on level grade and parallel to contours. Extend both ends of the fiber roll at least 8 feet upslope at 45 degrees to the main alignment.*
10. *When more than one fiber roll is needed, overlap ends 12 inches minimum and stake.*
11. *Remove sediment deposits when accumulation is one-half the height of the exposed fiber roll.*
12. *Replace biodegradable fiber rolls 6 months after installation and photodegradable fiber rolls after 12 months after installation.*
13. *When fiber rolls are required on paved surfaces, use gravel bags to support them as shown on the inlet protection detail.*



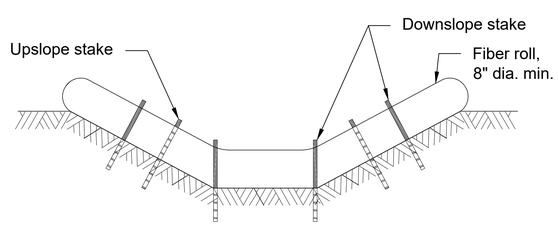
INLET PROTECTION



PLAN VIEW

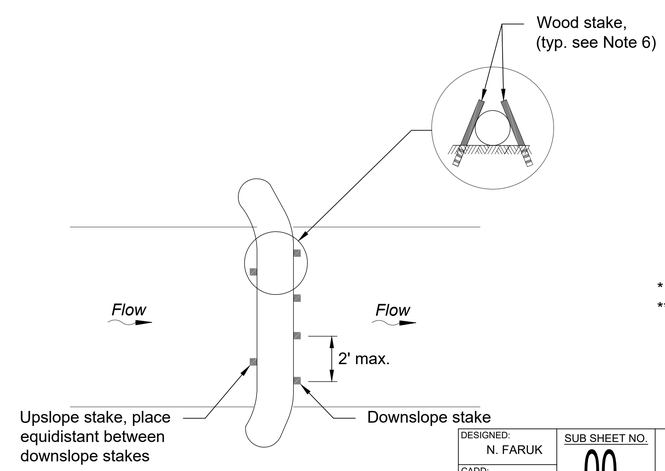


V-DITCH



TRAPEZOIDAL DITCH

FIBER ROLL CHECK DAM CROSS SECTIONS



FIBER ROLL CHECK DAM PLAN VIEW

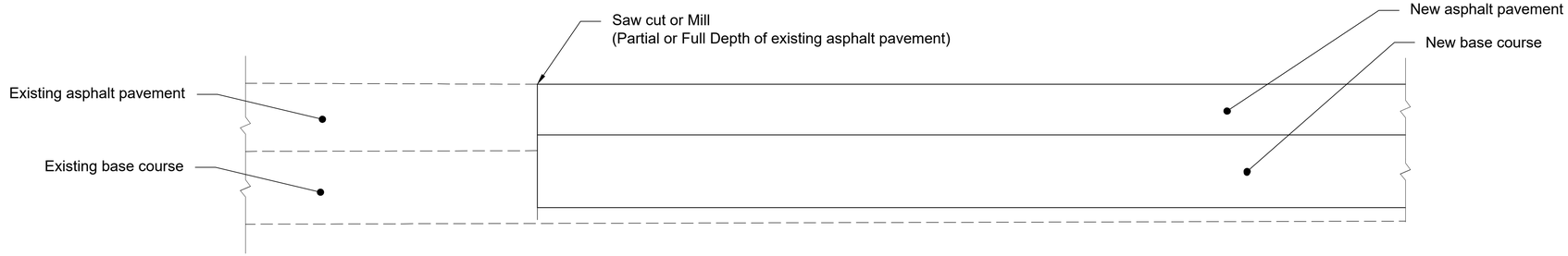
DITCH GRADE*	CHECK DAM SPACING(S) **	
	8" HIGH	12" HIGH
2%	33 ft	50 ft
3%	22 ft	33 ft
4%	16 ft	25 ft
5%	13 ft	20 ft

* *Do not install check dams on grades below 2%*

** *Adjust spacing as approved based on site conditions*

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. BUJWID	00-C502	CONSTRUCTION DETAILS FIBER ROLL 2 of 22	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	SHEET 10 OF 88
DATE: 07/26			

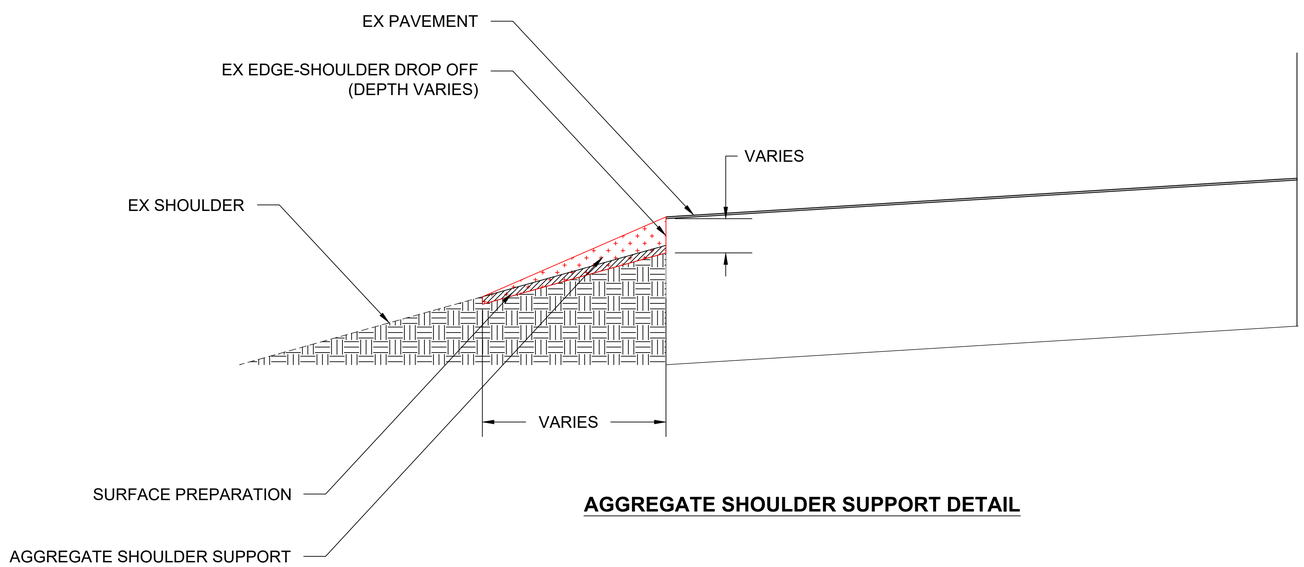
02-Jul-26



NEW PAVEMENT TRANSITION DETAIL

Notes:

1. *Furnish aggregate shoulder support as shown on the plans or as directed in the field to eliminate edge drop-off.*
2. *Remove all vegetation, organic material, loose soil, and unsuitable material within the limits of the shoulder repair.*
3. *Scarify existing shoulder surface to a minimum depth of 2 inches to provide a roughened, firm foundation prior to placement.*
4. *Compact scarified subgrade to a firm, stable condition. Soft or yielding areas shall be undercut and replaced with suitable material as directed by the CO.*
5. *Place aggregate/topsoil blend in maximum 6-inch lifts and compact each lift to a firm condition.*
6. *Shoulder material shall be installed flush with the edge of pavement.*
7. *Grade shoulder to provide positive drainage away from pavement and match existing ground at outer edge.*
8. *For COWP, KIMO, and NISI, aggregate shoulder support shall consist of approved aggregate/seed mixes in accordance with Section 32 91 19.14. No seeding is required for aggregate shoulder support at CONG.*



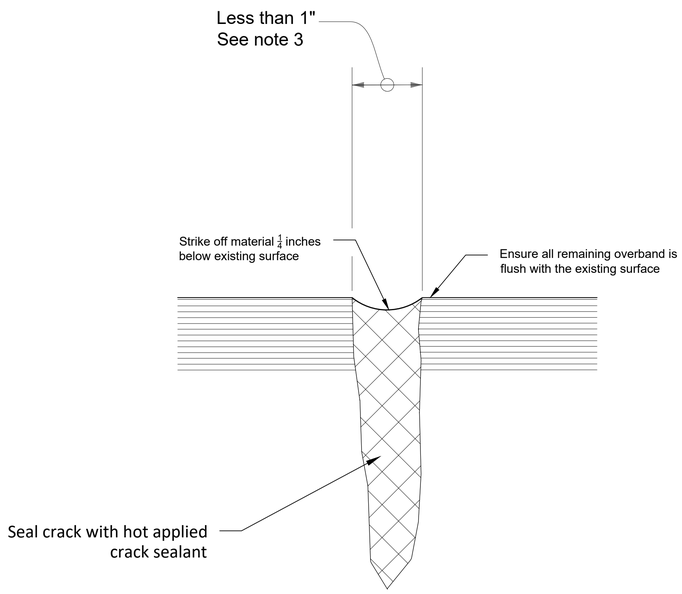
AGGREGATE SHOULDER SUPPORT DETAIL

DESIGNED: N. FARUK	SUB SHEET NO. 00-C503	TITLE OF SHEET: CONSTRUCTION DETAILS PAVEMENT TRANSITIONS & AGGREGATE SHOULDER SUPPORT 3 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917
CADD: N. BUJWID			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD			SHEET 11 OF 88
DATE: 07/26			

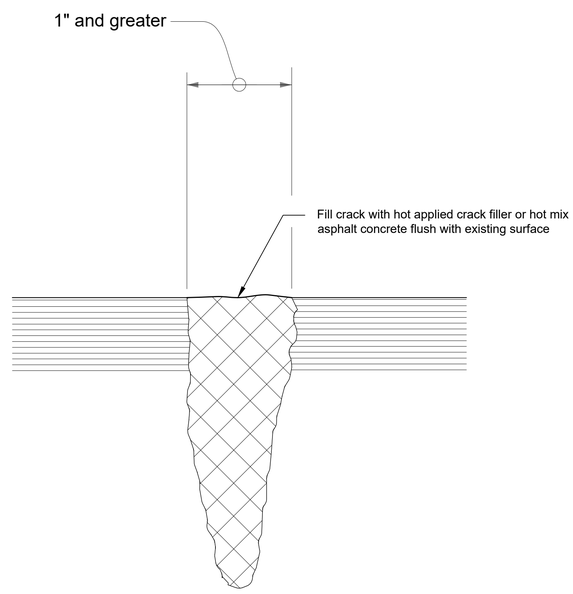
02-Jul-26

Notes:

1. *Apply treatment according to Section 32 01 17.61. Follow manufacturer's recommendations for sealing and filling cracks.*
2. *Force crack repair material into cracks to ensure adhesion to existing surface.*
3. *Squeegee excess crack sealing and filling material left above surface. Do no overband cracks.*
4. *Where routing is not performed or where edge spalling is present, Contractor may place a feathered overband not to exceed 1.5 - 2 in total width and $\frac{1}{8}$ in thickness, tapered to zero at the edges.*



CRACK SEALING



CRACK FILLING

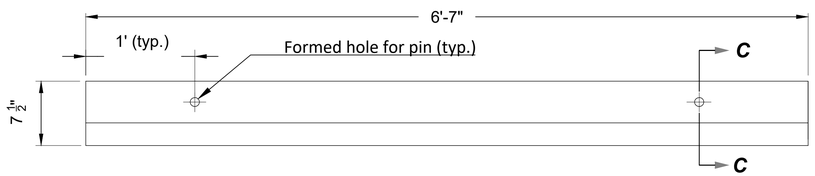
CRACK SEALING AND FILLING

DESIGNED: N. FARUK CADD: N. BUJWID TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 00-C504	TITLE OF SHEET CONSTRUCTION DETAILS ASPHALT PAVEMENT CRACK SEALING AND FILLING 4 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 12 OF 88

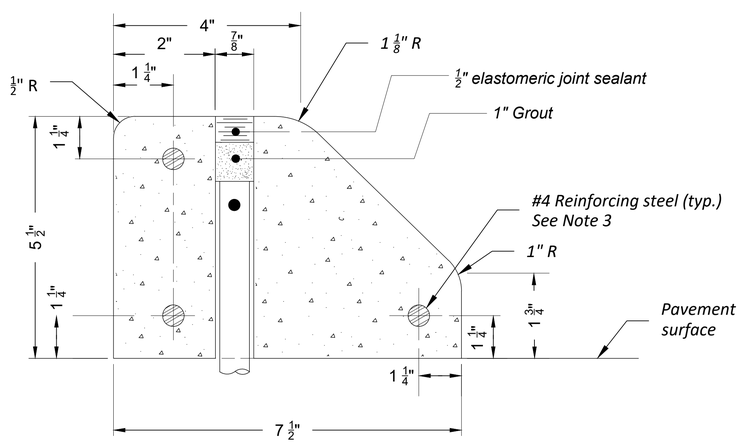
02-Jul-26

Notes:

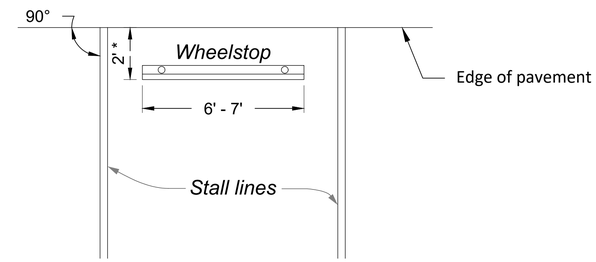
1. *Center wheelstops between and perpendicular to stall lines.*
2. *Variations in wheelstops will be allowed to meet manufacturer's standards as approved.*
3. *Extend the reinforcing steel to within 1 inch of ends of wheelstop.*



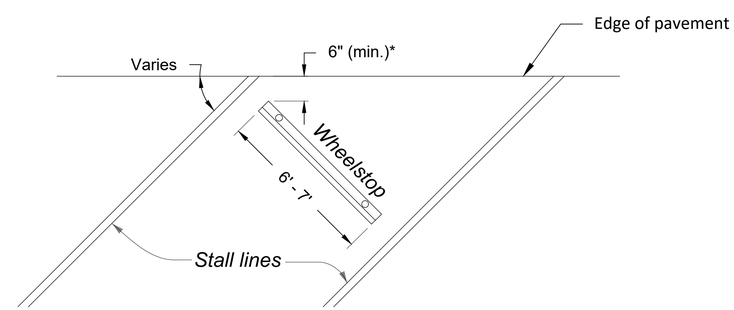
PLAN VIEW



SECTION C-C



HEAD-ON PARKING

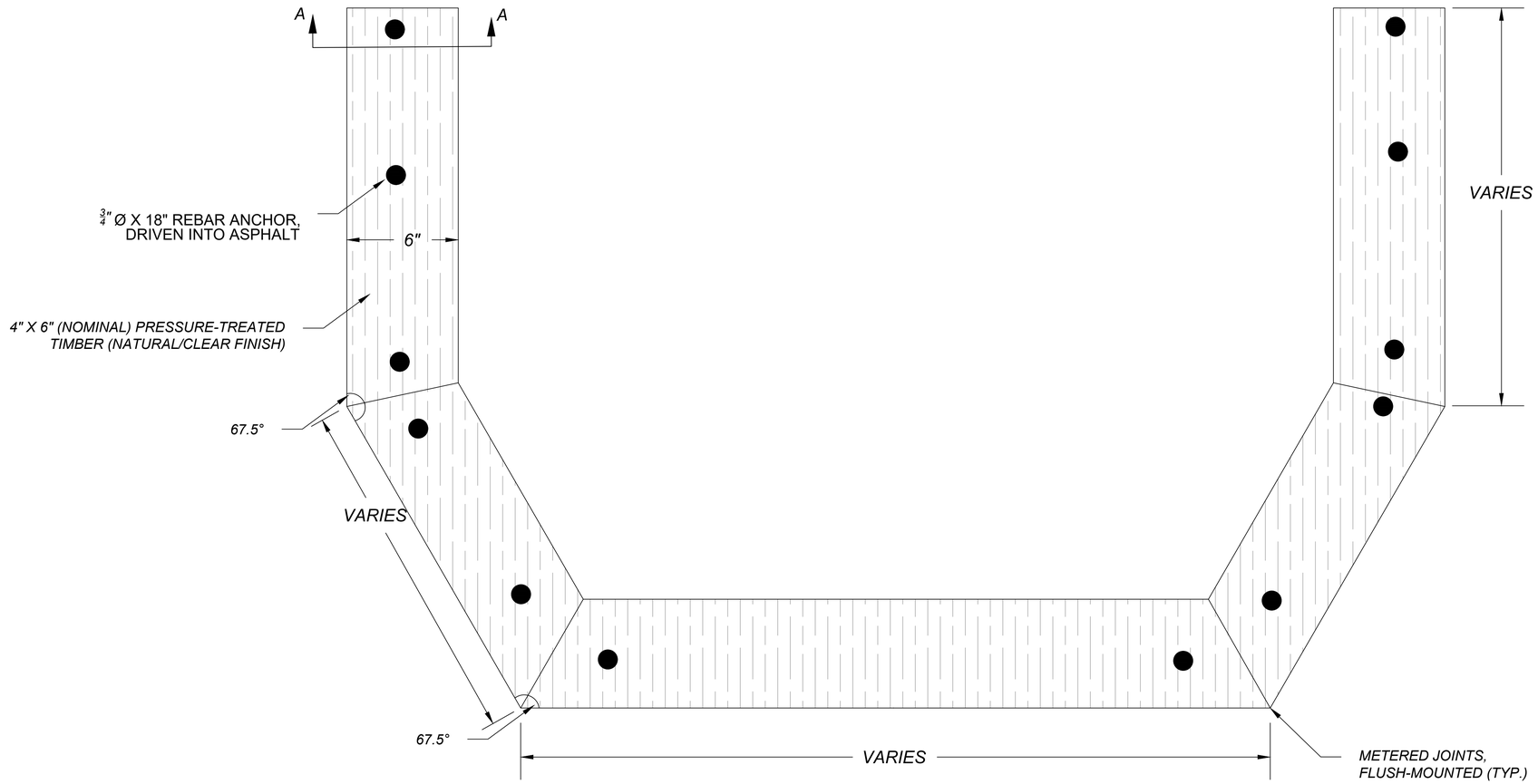


ANGULAR PARKING

WHEELSTOP LAYOUT

DESIGNED: N. FARUK	SUB SHEET NO. 00-C505	TITLE OF SHEET: CONSTRUCTION DETAILS CONCRETE WHEELSTOP 5 of 22	DRAWING NO. 178 / 197,917
CADD: N. BUJWID		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	PKG. NO. 334914, 334929, 334920, 334915
TECH REVIEW: J. GOULD			SHEET 13 OF 88
DATE: 07/26			

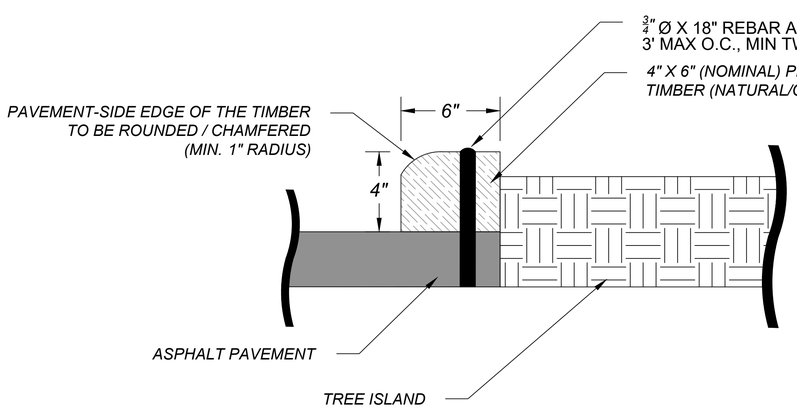
02-Jul-26



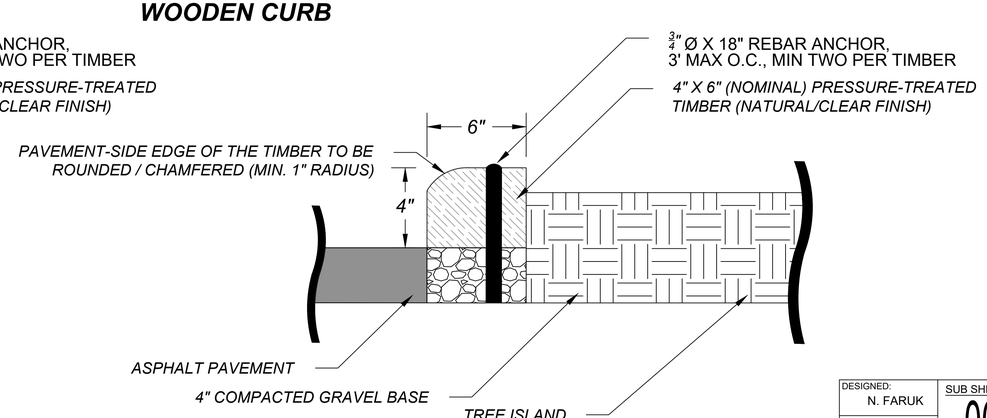
PLAN VIEW
WOODEN CURB

Notes:

1. *This detail is intended for replacement of existing wooden curbs in kind. Location, orientation, and size shall match existing in field conditions.*
2. *Wood shall be pressure-treated for ground contact per AWPA UC4A.*
3. *Apply clear wood preservative or stain before installation; retreat field cuts and drilled holes after installation.*
4. *Contractor shall verify existing curb conditions during construction and apply the appropriate detail (Option 1 or 2) as directed by the COR.*
   - 4.1. *Use Section A-A (Option 1) when replacing wooden curbs that are anchored on top of existing asphalt pavement.*
   - 4.2. *Use Section A-A (Option 2) when the existing wooden curb is installed directly on soil. Excavate as needed and place a 4" compacted gravel base before installing the new 4" X 6" timber curb.*



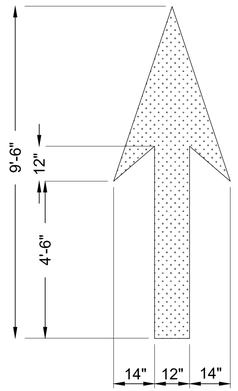
SECTION A-A
OPTION 1



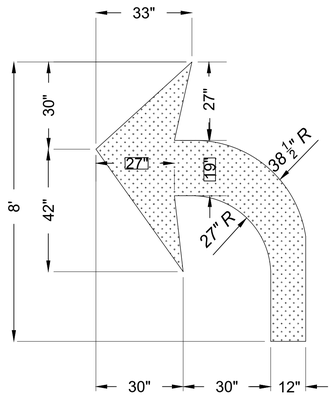
SECTION A-A
OPTION 2

DESIGNED: N. FARUK CADD: N. BUJWID TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 00-C506	TITLE OF SHEET CONSTRUCTION DETAILS WOODEN CURB 6 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 14 OF 88

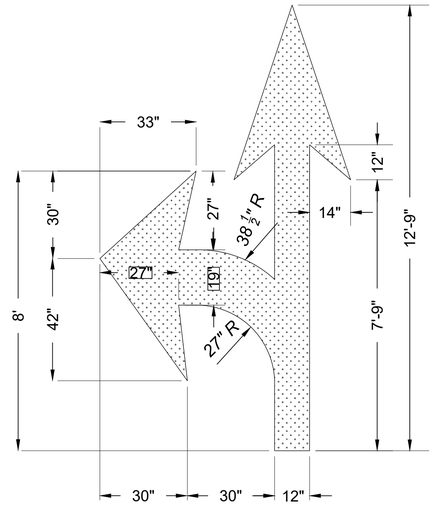
02-Jul-26



STRAIGHT ARROW SYMBOL



TURN ARROW SYMBOL



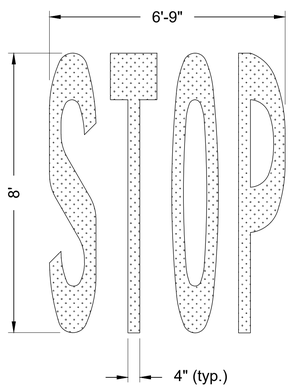
STRAIGHT / TURN ARROW COMBINATION SYMBOL

PAVEMENT MARKING AREAS	
TYPE	*SQFT*
Accessibility Symbol:	--
w/ Symbol only	2
w/ Symbol, blue background, and white boarder	16
Straight Arrow Symbol	12
Straight / Turn Arrow Combination Symbol	26
Turn Arrow Symbol	16
Bike/Ped Markings	52
Shared Lane Marking	20
"AHEAD" Word Message Marking	30
"ONLY" Word Message Marking	21
Double Turn Lane-Use Arrow	24
"STOP" Word Message Marking	22
"YIELD" Word Message Marking	24

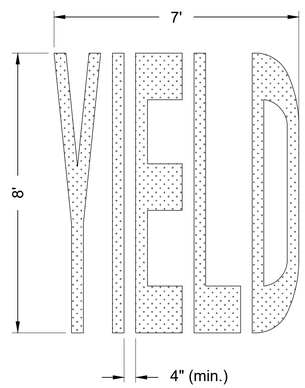
Notes:

1. *Place pavement word and symbol markings in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.*
2. *Place all letters, numerals and symbols in accordance with the "Standard Highway Signs", latest edition.*
3. *Provide Accessibility Symbol marking as indicated in the plans or directed otherwise by the COR in one of the following configurations:*

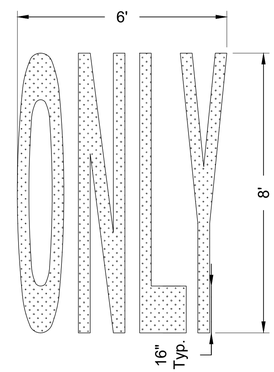
(a) w/ Symbol only; or
(b) w/ Symbol, blue background, and white border



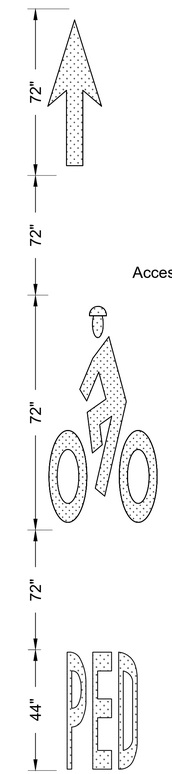
"STOP" WORD MESSAGE



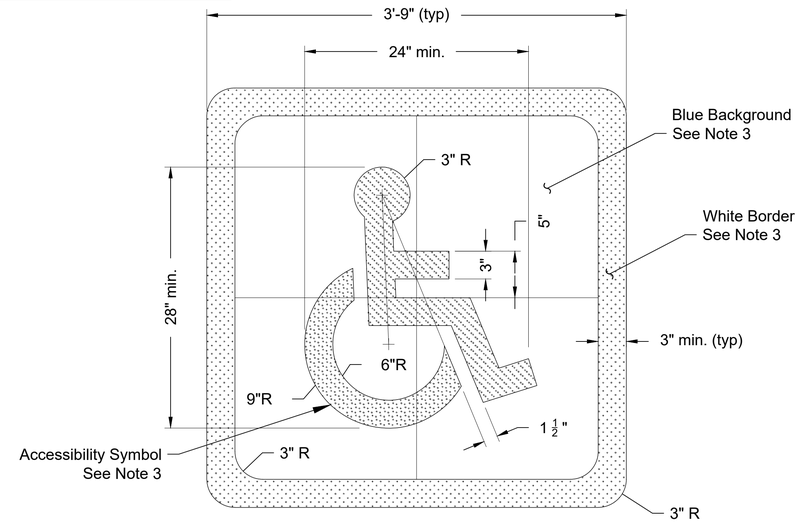
"YIELD" WORD MESSAGE



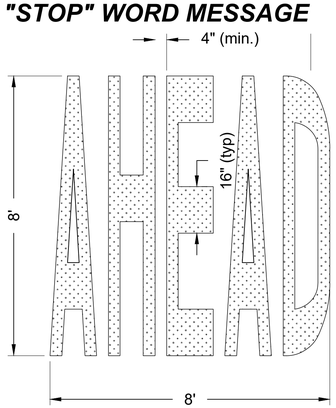
"ONLY" WORD MESSAGE



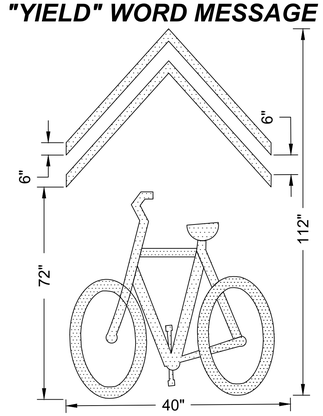
BIKE/PED MARKINGS



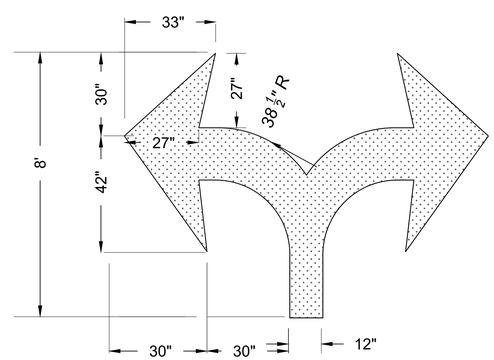
ACCESSIBILITY PARKING SPACE MARKING



"AHEAD" WORD MESSAGE



SHARED LANE MARKING



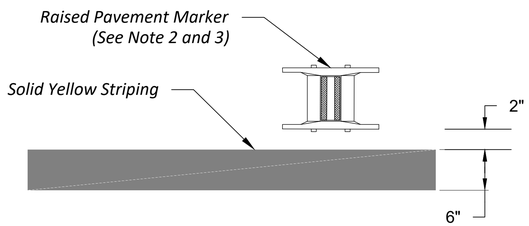
DOUBLE TURN LANE-USE ARROW

DESIGNED: N. FARUK	SUB SHEET NO. 00-C507	TITLE OF SHEET: CONSTRUCTION DETAILS PAVEMENT MARKINGS SYMBOLS AND WORDS 7 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917
CADD: N. BUJWID			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD			SHEET 15 OF 88
DATE: 07/26			

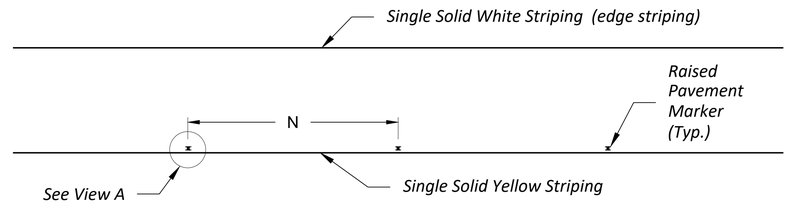
02-Jul-26

Notes:

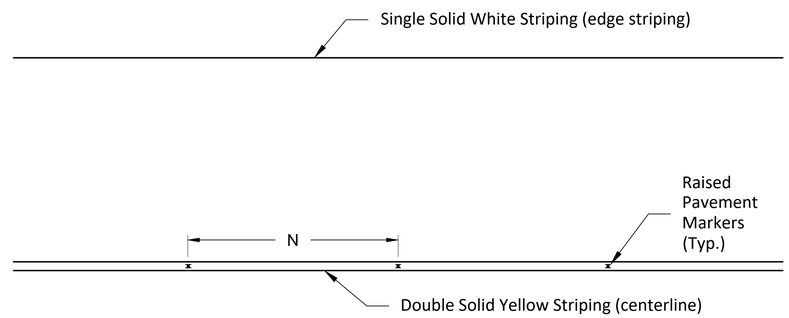
1. *Install striping in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), Latest Edition*
2. *When raised pavement markers are required, space and install in accordance with the MUTCD or as directed.*
3. *Existing RPMs at KIMO-0010 shall be removed and discarded prior to milling, unless otherwise instructed by the COR. Final limits of proposed RPMs locations are as noted on plans.*



VIEW A



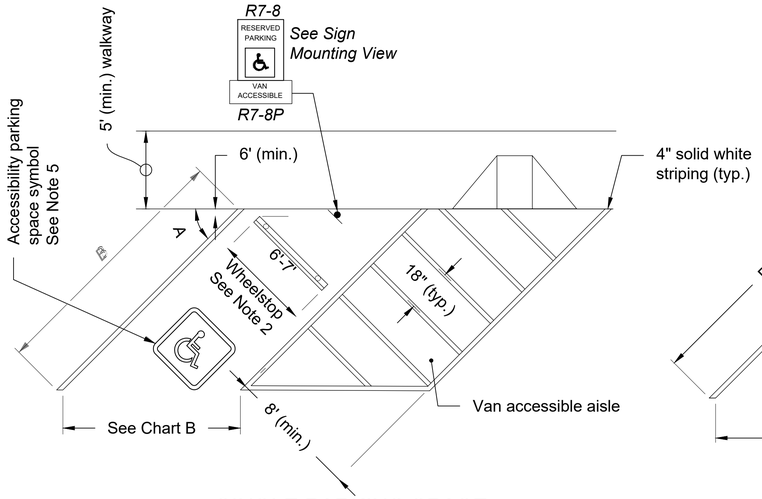
SINGLE SOLID YELLOW STRIPING
WITH RAISED PAVEMENT MARKERS



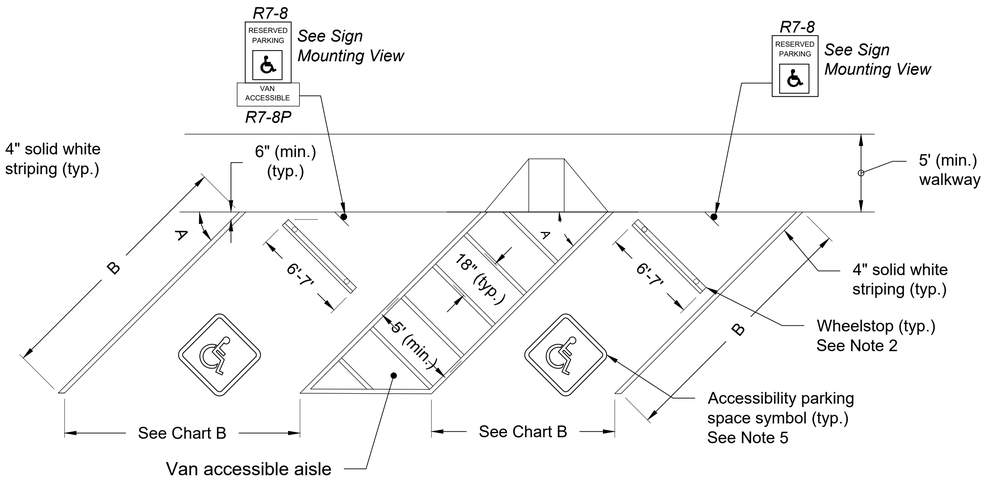
DOUBLE SOLID YELLOW STRIPING
WITH RAISED PAVEMENT MARKERS

DESIGNED: N. FARUK CADD: N. BUJWID TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 00-C508	TITLE OF SHEET CONSTRUCTION DETAILS PAVEMENT MARKINGS W/ AND W/O RPMs 8 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 16 OF 88

02-Jul-26

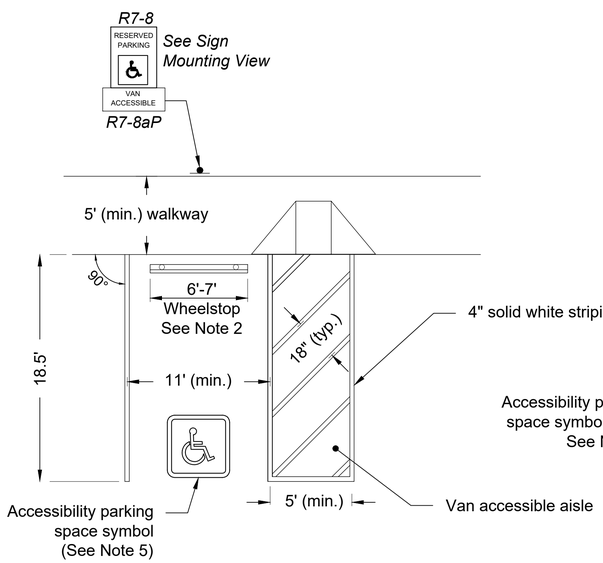


SINGLE PARKING SPACE

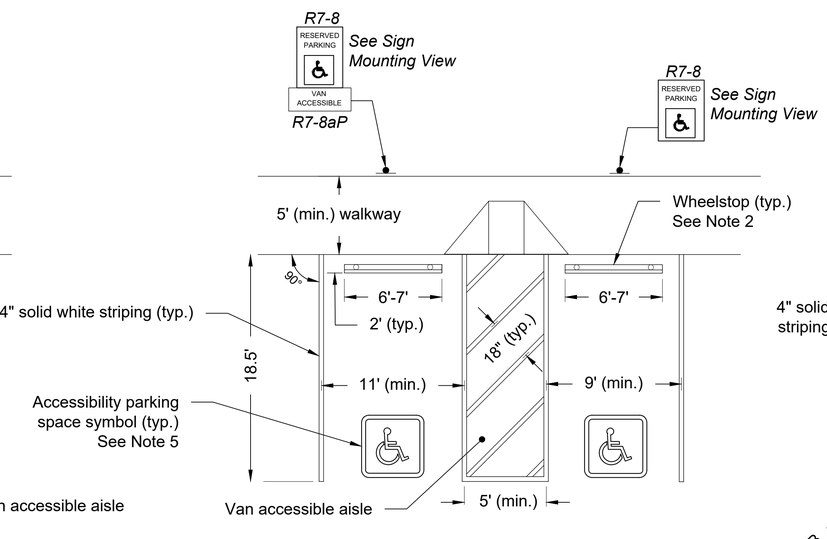


DOUBLE PARKING SPACE

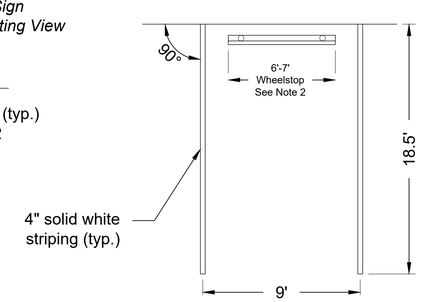
ANGULAR PARKING WITH VAN-ACCESSIBLE AISLE



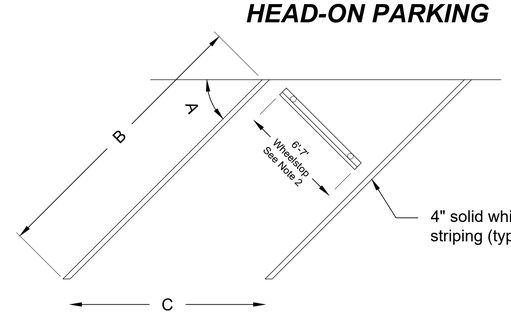
SINGLE PARKING SPACE



DOUBLE PARKING SPACE



HEAD-ON PARKING



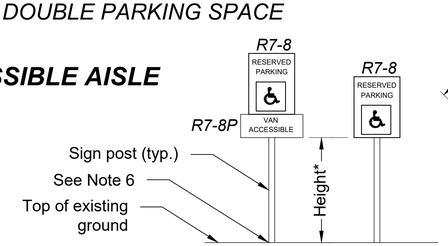
ANGULAR PARKING

HEAD-ON PARKING WITH VAN-ACCESSIBLE AISLE

CHART B

PARKING LAYOUT DIMENSIONS FOR 9-FOOT STALLS*				
Angle (A)	45	60	75	90
Minimum Length of Stall (B)	25'	22'	20'	18.5'
Stall Width (C), Parallel to Aisle	12.7'	10.4'	9.3'	9.0'

** Chart B based on dimensions recommended in "Parking Principles, Special Report 125 (Figure 6.2)"*



SIGN MOUNTING
**See Notes 3 and 4*

Notes:

1. *Install pavement striping and symbol markings in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD), latest edition.*
2. *Install concrete wheelstops according to Sheet 00-C505.*
3. *Refer to Sheet 00-C511 (see page 21) for sign mounting details. For signs installed in rural areas proved a minimum height of 5 feet. For signs installed in business, commercial, or residential areas, provide a minimum height of 7 feet.*
4. *Refer to Section 2A.15 of the MUTCD, latest edition, for additional sign mounting information.*
5. *Refer to Sheet 00-C507 for accessibility parking space symbol details.*
6. *Sign post foundations shall hold sign in a proper and permanent position, and to resist swaying in the wind or displacement by vandalism per Section 2A.18 of MUTCD.*

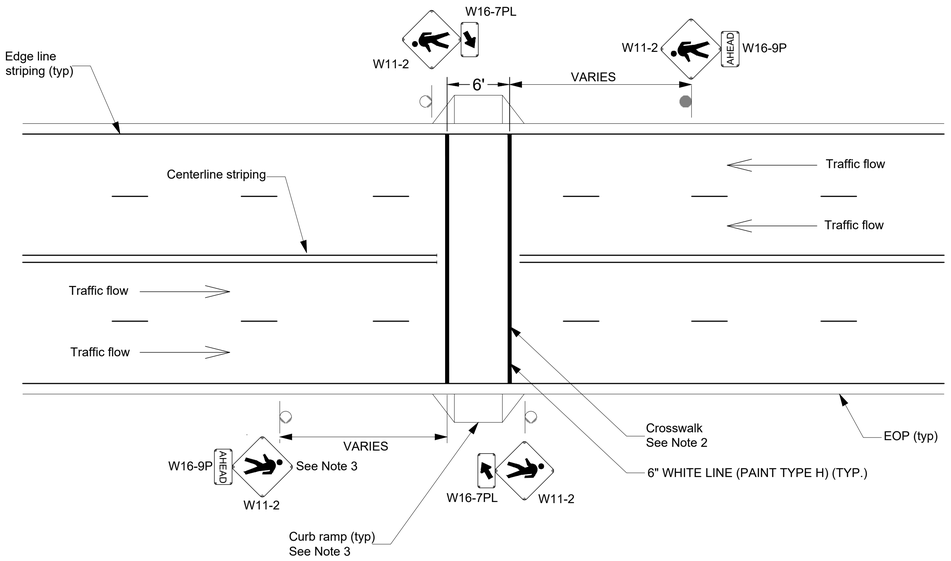
CHART A

MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES*		
Total Parking Spaces in Parking Facitlity	Minimum Number of Accessible Spaces	Minimum Number of Van-Accessible Spaces
1 to 25	1	1
26 to 50	2	1
51 to 75	3	1
76 to 100	4	1
101 to 150	5	1
151 to 200	6	1
201 to 300	7	2
301 to 400	8	2
401 to 500	9	2
501 to 1,000	2% of Total Parking Spaces	One out of every 6 Accessible Spaces
Over 1,000	20 Plus 1 for Each 100 over 1,000	One out of every 6 Accessible Spaces

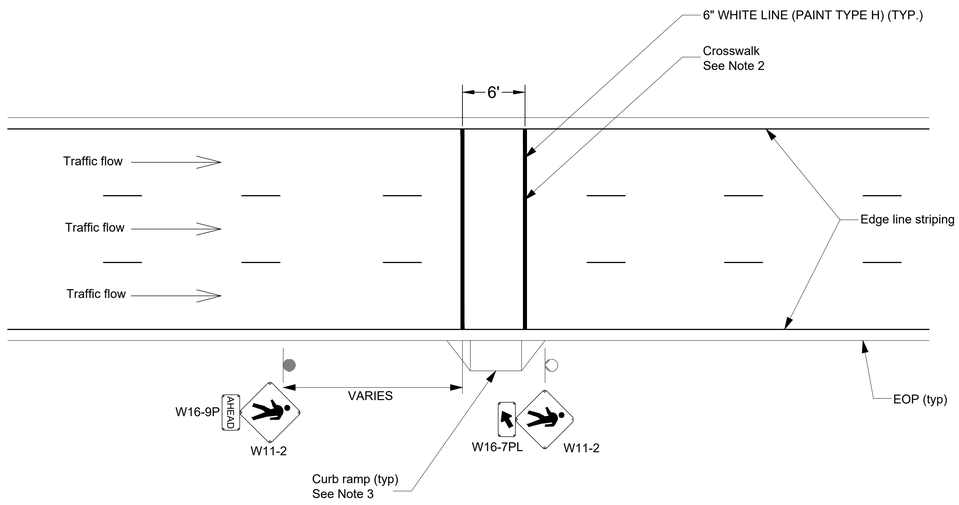
** Chart A based on "2010 ADA Standards for Accessible Design Standard (Table 208.02)" and "2015 ABA Standards (Table F208.2)".*

DESIGNED: N. FARUK	SUB SHEET NO. 00-C509	TITLE OF SHEET: CONSTRUCTION DETAILS PAVEMENT MARKINGS AND SIGNING IN PARKING AREAS 9 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917
CADD: N. BUJWID			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD			SHEET 17 OF 88
DATE: 07/26			

02-Jul-26

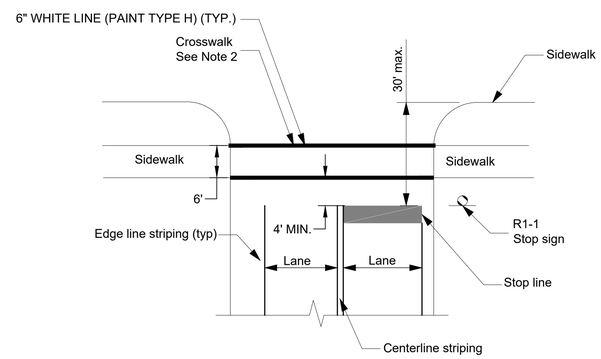


TWO-WAY ROADWAY



ONE-WAY ROADWAY

HIGH-VISIBILITY CROSSWALK AT UNSIGNALIZED MIDBLOCK



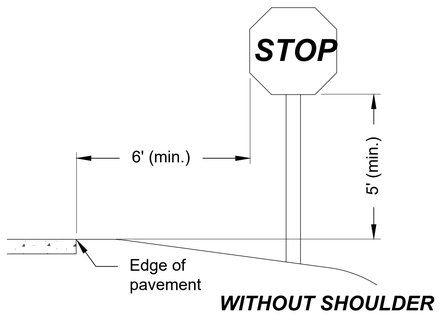
STANDARD CROSSWALK AT INTERSECTION

Notes:

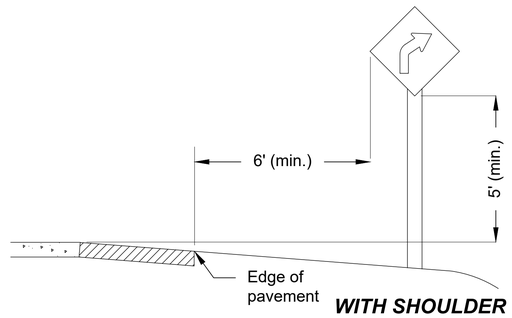
1. *Install pavement striping and symbol markings in accordance with Specifications Section 32 17 23 and the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD), latest edition.*
2. *See plans for locations of Pedestrian crossing signs (W11-2 with W16-7PL or W16-9P)*
3. *When curb ramps are present, ensure that crosswalk markings are located so that the curb ramps are within the extension of the crosswalk markings.*

DESIGNED: N. FARUK CADD: N. BUJWID TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 00-C510	TITLE OF SHEET CONSTRUCTION DETAILS PAVEMENT MARKINGS PEDESTRIAN CROSSWALK 10 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 / 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 18 OF 88

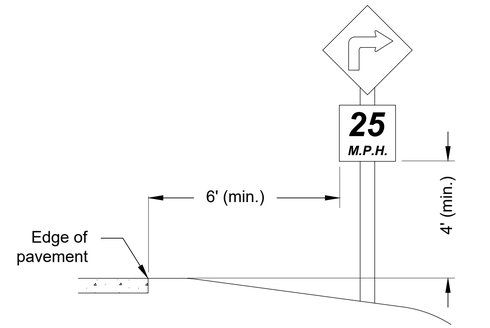
02-Jul-26



WITHOUT SHOULDER



WITH SHOULDER

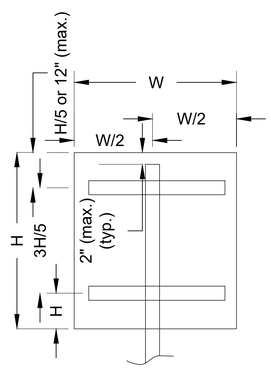


WITH ADVISORY SPEED PLAQUE

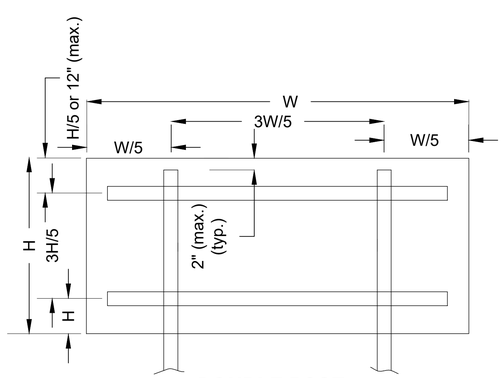
ROADSIDE SIGN IN RURAL DISTRICT

Notes:

1. *Locate and set sign height according to the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD), latest edition.*
2. *For U-channel, square tubular, and corrosion resistant steel posts for which the sign panel area is 10 square feet or less but W is over 4 feet, use double post.*
3. *For square tubular steel double posts for which the sign panel areas is equal to 24 square feet, use slip base according to manufacturer's recommendations.*
4. *New wood signposts in CONG will be painted Terra Brun (SW 6048 or similiar), with the backs of the signs painted to match.*
5. *New signposts in COWP, KIMO, and NISI will be painted in NPS Brown MP63848 (Drr 10 14 53-5), with the backs of the signs painted to match.*
6. *Refer to Specifications Section 10 14 53 for additional information.*



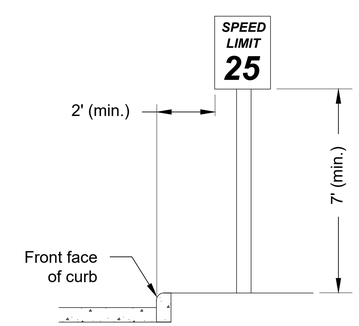
SINGLE POST



DOUBLE POST

POST SIZE TABLE					
POST TYPE	POST SIZE	MAXIMUM SIGN AREA (SQFT)			
		SINGLE POST	DOUBLE POST	TRIPLE POST	QUADRUPLE POST
Wood	4" X 4"	10	20	X	X
	4" X 6"	15	35	45	60
	6" X 6"	20	50	75	100
U-Channel Steel	3 lb/ft	10*	24	30	X
Square Tubular Steel	2" 12 ga.	10*	16	X	X
	2" 12 ga.	10*	24**	X	X
Corrosion Resistant Steel	2" X 2" 10 ga. Class B	10*	24	X	X

**** See Note 2***
***** See Note 3***

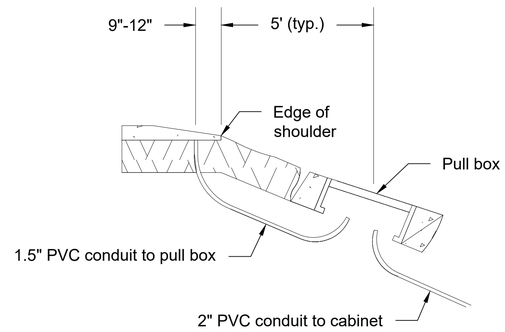


ROADSIDE SIGN IN BUSINESS OR RESIDENTIAL DISTRICT

02-Jul-26

DESIGNED: N. FARUK	SUB SHEET NO. 00-C511	TITLE OF SHEET: CONSTRUCTION DETAILS SIGN STRUCTURE 11 of 22	DRAWING NO. 178 197,917
CADD: N. BUJWID			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	SHEET 19 OF 88
DATE: 07/26			

LOOP DETECTOR DIMENSIONS TABLE		
LANE WIDTH LNFT (A)	DIMENSIONS LNFT	
	(B)	(C)
12	6	3
11	5	3
10	5	2.5

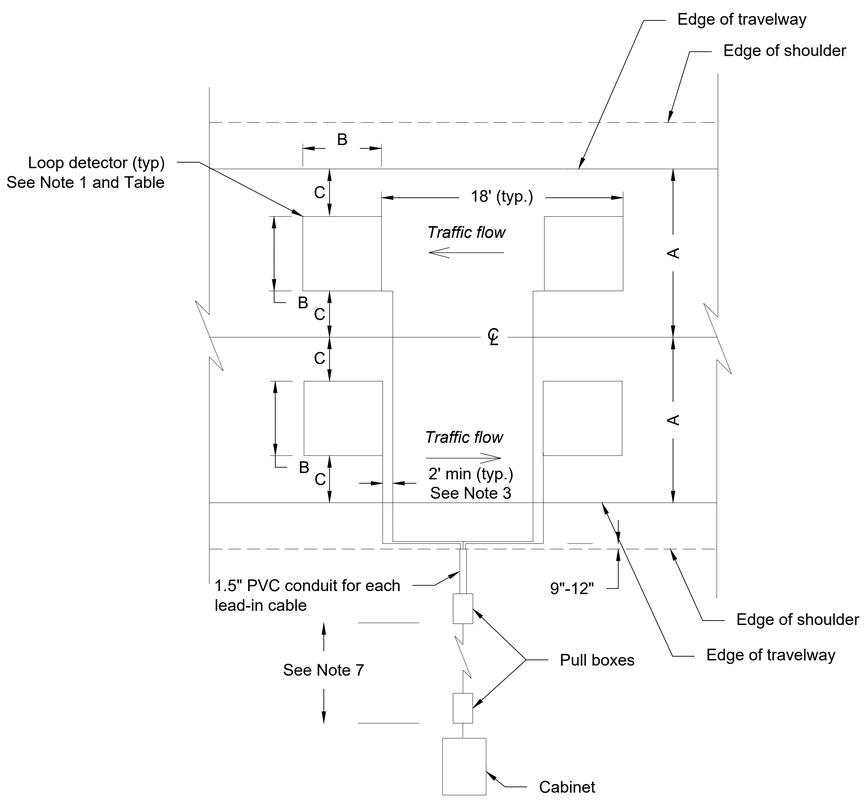


SECTION A-A

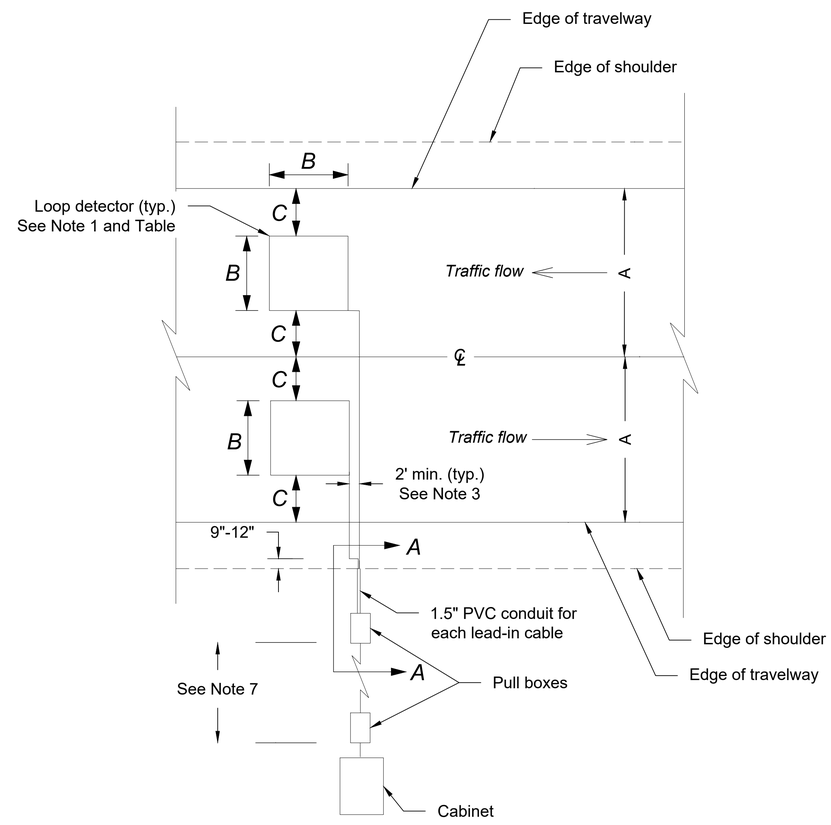
LOOP DETECTOR DIMENSIONS TABLE		
LANE WIDTH LNFT (A)	DIMENSIONS LNFT	
	(B)	(C)
12	6	3
11	5	3
10	5	2.5

Notes:

1. *Install square inductive loops, with sides perpendicular and parallel to the centerline.*
2. *For each loop. install the loop wire in one continuous length with no splices.*
3. *Provide dedicated saw cuts for each loop, including separate lead-in channels.*
4. *Provide dedicated polyvinyl chloride (PVC) conduits for each lead-in from the edge of pavement to the nearest pull box.*
5. *Install the 2-inch PVC conduits using directional boring or open trench as directed.*
6. *Obtain approval from the COR prior to installing inductive loops on lanes less than 10 feet wide.*
7. *If the distance between pull boxes is less than 50 feet, omit the second pull box nearest to the cabinet.*



UNDIVIDED ROADWAY



UNDIVIDED ROADWAY

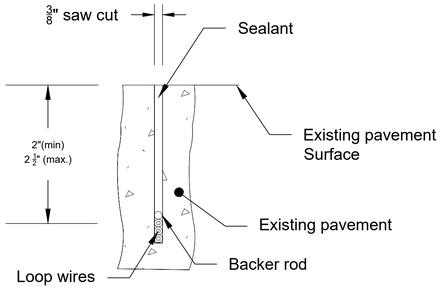
INDUCTIVE LOOP INSTALLATION PLAN VIEW

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. BUJWID	00-C512	CONSTRUCTION DETAILS INDUCTIVE LOOPS SINGLE & DOUBLE LOOP PER LANE 12 of 22	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	SHEET 20 OF 88
DATE: 07/26			

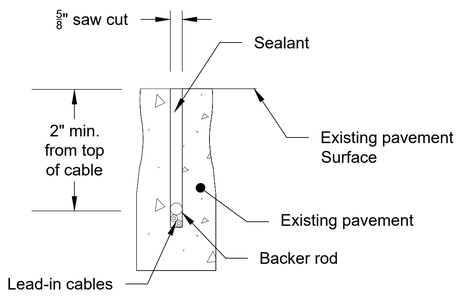
02-Jul-26

Notes:

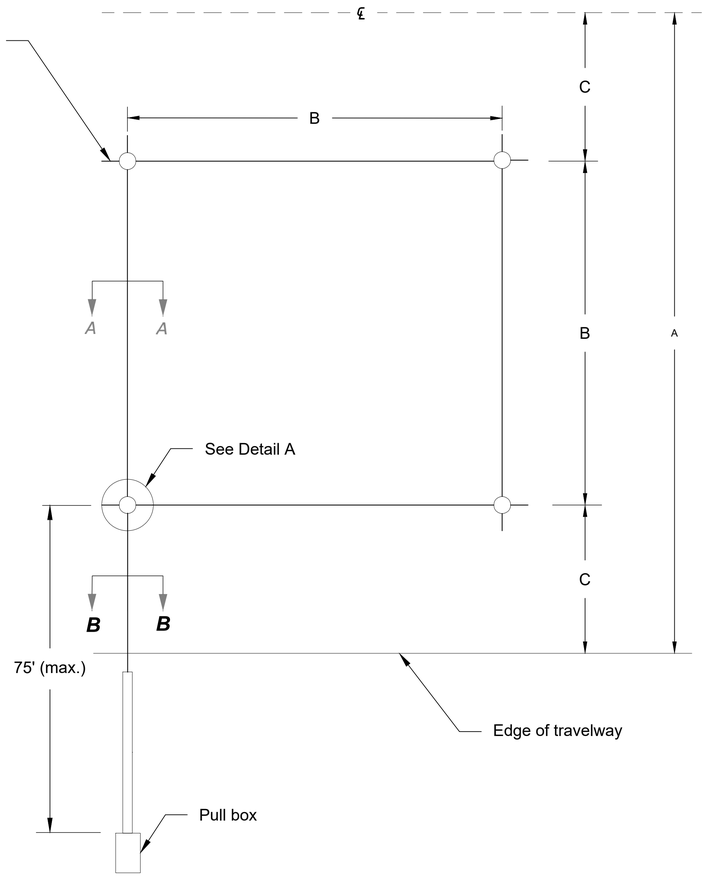
1. *Ensure the loop channel and corners are smooth. Remove any burrs or roughness to full depth.*
2. *Identify and tag lead-in cable with loop number.*
3. *Waterproof end of lead-in cable and loop conductor before placing in conduit as approved.*



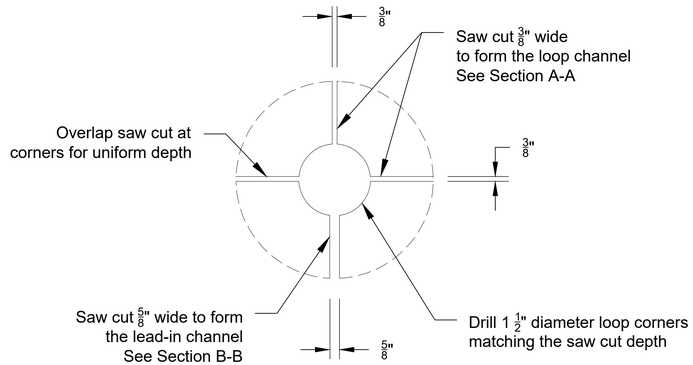
SECTION A-A



SECTION B-B



INDUCTIVE LOOP PLAN VIEW

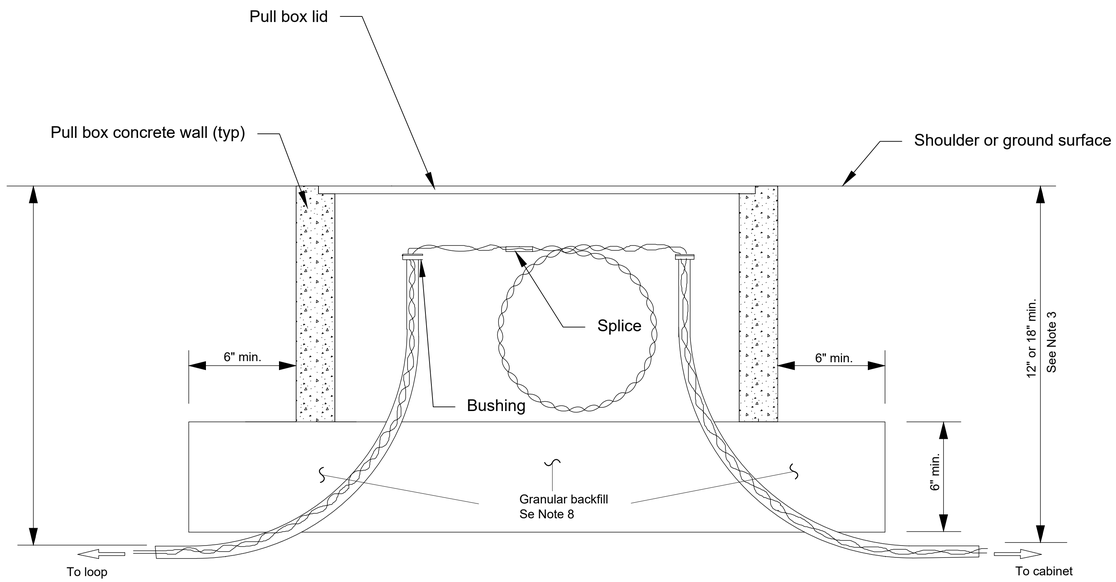


DETAIL A

LOOP DETECTOR DIMENSION TABLE		
LANE WIDTH LNFT (A)	DIMENSIONS LNFT	
	(B)	(C)
12	6	3
11	5	3
10	5	2.5

DESIGNED: N. FARUK	SUB SHEET NO. 00-C513	TITLE OF SHEET CONSTRUCTION DETAILS INDUCTIVE LOOP INSTALLATION 13 of 22	DRAWING NO. 178 197,917
CADD: N. BUJWID			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD			SHEET 21 OF 88
DATE: 07/26		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	

02-Jul-26

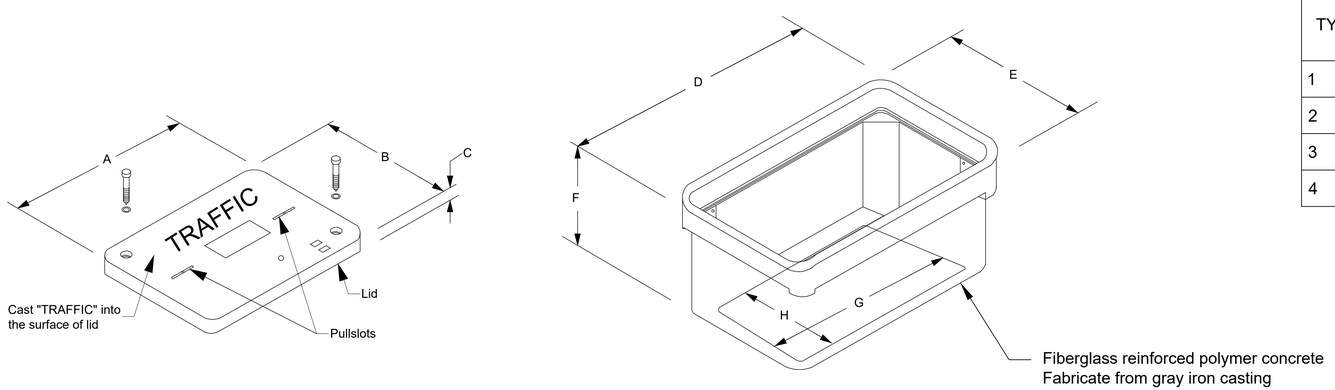


PULL BOX INSTALLATION

Notes:

1. *Install pull boxes flush with the shoulder surface. Restore the disturbed area around the pull box and conduit installations.*
2. *On long roads, install pull boxes such that each box is separated by no more than 150 feet.*
3. *If cabinet is located more than 30 feet from the edge of travelway, provide a minimum cover of 12 inches. Otherwise, provide a minimum cover of 18 inches.*
4. *Terminate standard conductors smaller than #14 AWG with crimp style terminal lugs..*
5. *Size pull box according to the National Electric Code (NEC) as approved.*
6. *Ensure splices occur only in pull box nearest to the inductive loops.*
7. *Plug conduits and bushings with steel wool to prevent rodent entry and with a water resistant material to prevent moisture entry.*
8. *Provide granular backfill conforming to AASHTO M 80, Class E and ASSHTO M 43, Size Number 57 or 67.*

PULL BOX DIMENSIONS TABLE								
TYPE	MINIMUM DIMENSIONS INCH							
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
1	$15\frac{3}{8}$	10	$1\frac{3}{4}$	$17\frac{5}{8}$	$12\frac{3}{8}$	12	$13\frac{5}{8}$	$8\frac{3}{8}$
2	$12\frac{7}{8}$	$12\frac{7}{8}$	$1\frac{3}{4}$	$14\frac{3}{4}$	$14\frac{3}{4}$	12	12	12
3	$18\frac{1}{8}$	$11\frac{1}{4}$	$1\frac{3}{4}$	$20\frac{1}{4}$	$13\frac{3}{8}$	12	$15\frac{3}{4}$	$8\frac{7}{8}$
4	$23\frac{1}{4}$	$13\frac{3}{4}$	2	25	$15\frac{1}{2}$	12	$19\frac{1}{4}$	$9\frac{3}{4}$

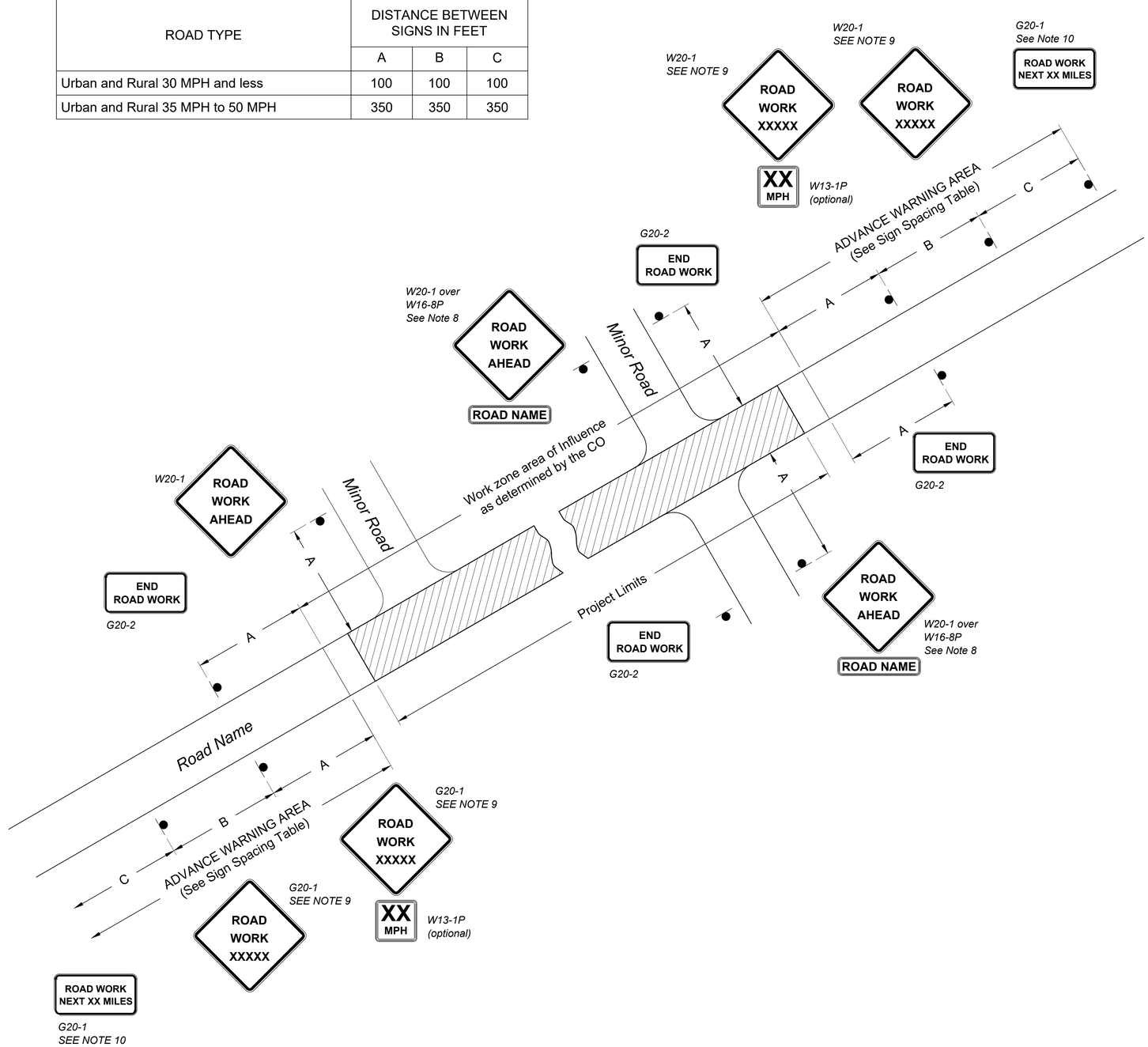


PULL BOX ISOMETRIC VIEW

DESIGNED: N. FARUK	SUB SHEET NO. 00-C514	TITLE OF SHEET CONSTRUCTION DETAILS INDUCTIVE LOOP PULL BOX 14 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917
CADD: N. BUJWID			PKG. NO. 334914, 334929, 334920, 334915
TECH REVIEW: J. GOULD			SHEET 22 OF 88
DATE: 07/26			

02-Jul-26

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350

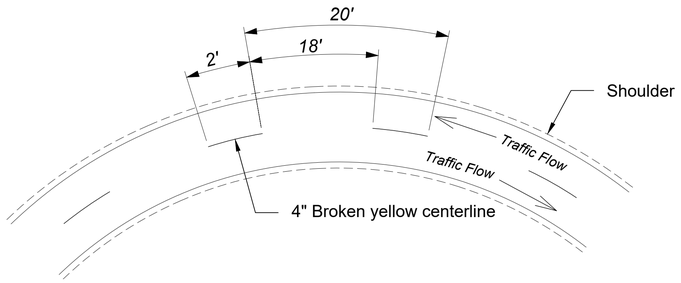


Notes:

1. Erect all project advance warning signs before starting construction work.
2. Not all details shown on the temporary traffic control sheets may be applicable to this project. The contractor may add or delete information and details in this traffic control plan as necessary to accommodate actual operations.
3. Where advance warning signs, placed as shown, interfere with permanent signs, locate the warning signs to fit field conditions as approved. Vary messages as required.
4. Install advisory speed plates under the W20 series warning signs as needed to indicate a maximum recommended speed through the construction area.
5. Ensure all signs support exposed to traffic are crashworthy.
6. Maintain two-way traffic during all non-work hours except as approved.
7. Do not store traffic control devices along the roadway when not in use. Cover post-mounted signs when not applicable.
8. If W20-1 is placed on a roadway other than that on which the actual construction work occurs, include a supplementary plaque indicating the name of the road on which the construction does occur (applies to major roads only).
9. The message on the W20-1 signs may be ROAD WORK AHEAD or may specify the distance to the work area in feet or in miles. Install an additional W20-1 sign when approach speeds approach exceed 50 MPH. When used, place the two W20-1 signs "B" feet apart according to the Sign Spacing Table.
10. For work zones that are 2 miles or more in length, install G20-1 signs at each end of the project. Show the distance on the G20-1 sign to the nearest whole mile.
11. If signing on a roadway under a jurisdiction other than the client agency, verify that an encroachment permit has been obtained.
12. State standards may be used as an alternative if approved.

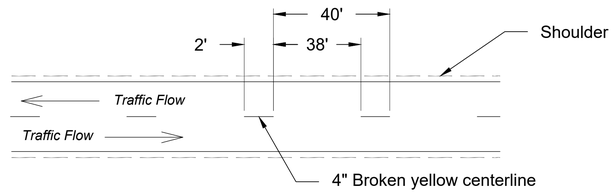
DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. BUJWID	00-C515	CONSTRUCTION DETAILS TEMPORARY TRAFFIC CONTROL ADVANCE SIGNING 15 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD			SHEET 23 OF 88
DATE: 07/26			

02-Jul-26



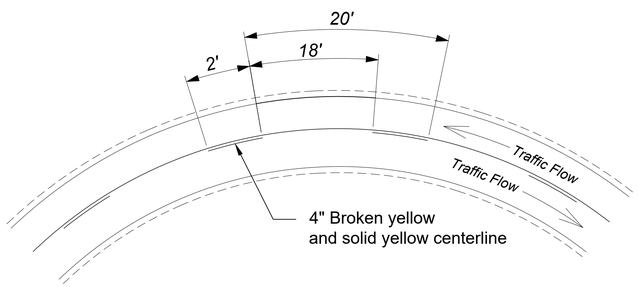
DETAIL A1

Passing zone both directions
Two-way traffic



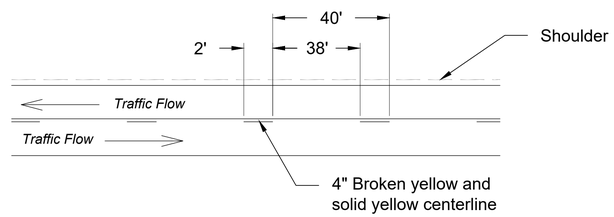
DETAIL B1

Passing zones both directions
Two-way traffic



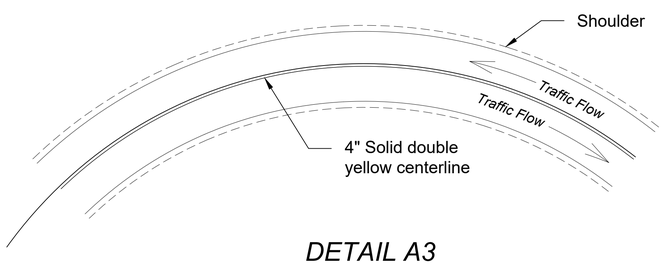
DETAIL A2

No passing zone one direction
Two-way traffic



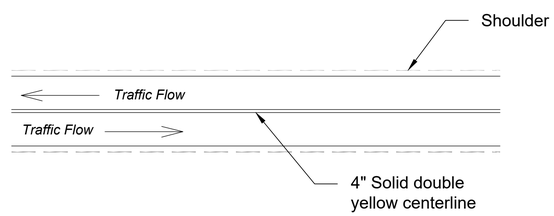
DETAIL B2

No passing zone one direction
Two-way traffic



DETAIL A3

No passing zone both directions
Two-way traffic



DETAIL B3

No passing zone both directions
Two-way traffic

DETAIL A

Curves < 500' Radius

DETAIL B

Tangent or Curves > 500' Radius

Notes:

1. *To substitute raised pavement markers for lines use the following patterns:*

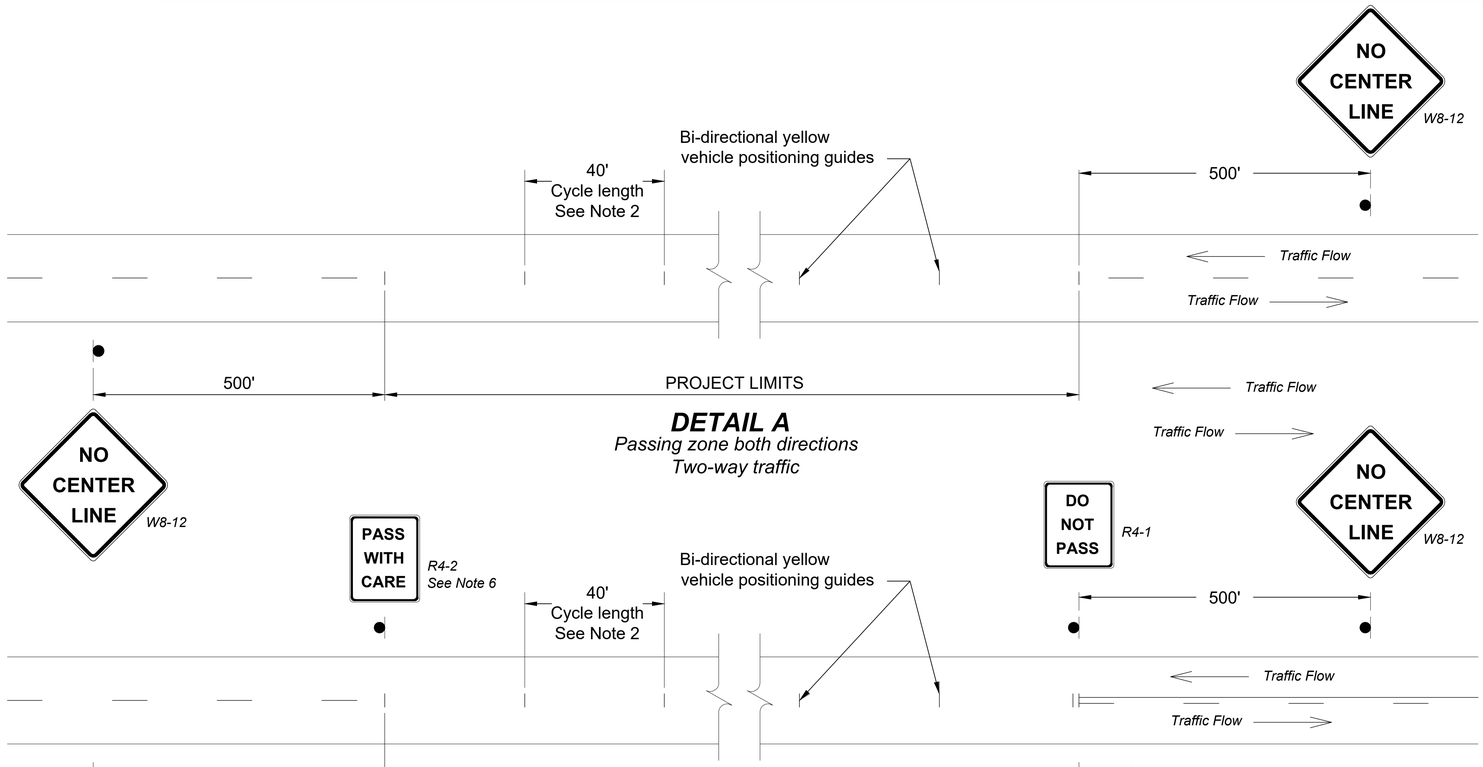
   2 ft broken line: two pavement markers spaced 2 ft apart allowed by the gap shown based on curvature

   Single solid line: pavement markers spaced on 10 ft centers.

   Double solid line: two pavement markers, side by side, spaced on 10 ft centers.

DESIGNED: N. FARUK CADD: N. BUJWID TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 00-C516	TITLE OF SHEET CONSTRUCTION DETAILS TEMPORARY PAVEMENT MARKINGS 16 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 24 OF 88

02-Jul-26



Notes:

1. *The pavement on two- or three-lane roads may remain unmarked up to 14 days when providing signs according to this drawing. Optionally use the vehicle positioning guides to provide additional delineation.*
2. *On curves with radius less than 500 ft, reduce cycle length to 20 ft.*
3. *Use permanent markings plan to determine no passing zones for each direction of travel.*
4. *Repeat R4-1 at 1 mile intervals.*
5. *Repeat W8-12 after each major intersection and every 2 miles for temporary traffic control zones greater than 3 miles long.*
6. *Use the PASS WITH CARE (R4-2) sign at the downstream end of a no-passing zone only if a DO NOT PASS (R4-1) sign has been installed at the upstream end of the zone.*

DESIGNED: N. FARUK CADD: N. BUJWID TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 00-C517	TITLE OF SHEET CONSTRUCTION DETAILS DELINEATION AND SIGNING FOR UNMARKED PAVEMENTS 17 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 25 OF 88

02-Jul-26

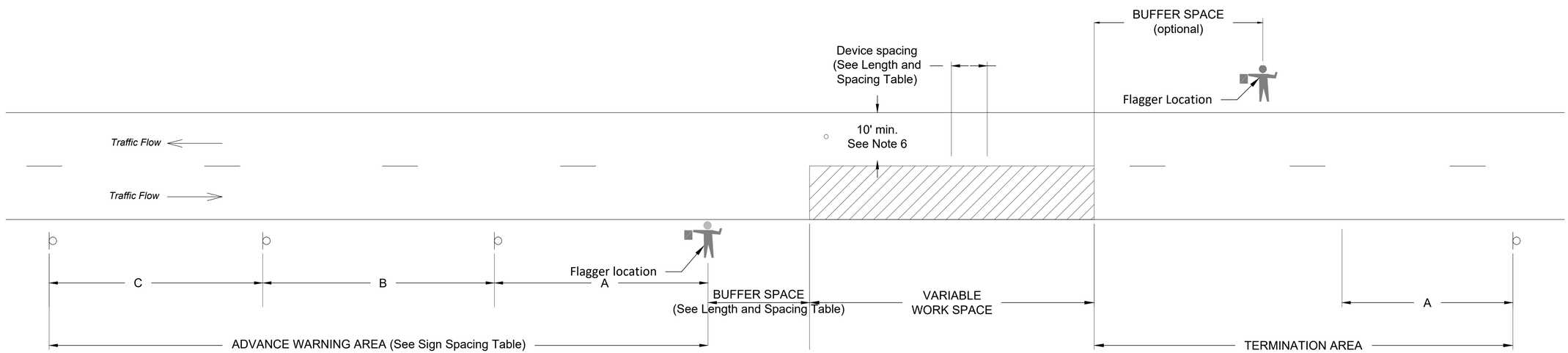
LENGTH AND SPACING TABLE	
APPROACH SPEED* MPH	BUFFER SPACE LENGTH FEET
20	115
25	155
30	200
35	250
40	305
45	360
50	425

* *Approach speed based on the regulatory posted speed, not the advisory speed.*

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350

Notes:

1. *Signs are shown for one direction of travel only. Place signs similar to those depicted for the opposed direction of travel.*
2. *Final location and spacing of signs and devices may be changed to fit field conditions as approved*
3. *For pilot car operation, mount the PILOT CAR FOLLOW ME (G20-4) sign at a conspicuous location on the rear of the vehicle. Prominently display the name of the contractor on the pilot car*
4. *If closure is completely within the project limits, eliminate the ROAD WORK AHEAD (W20-1) and END ROAD WORK (G20-2) signs*
5. *Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.*

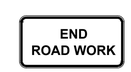


W20-1
See Note 4

W3-4

W20-7

W16-2P
(optional)



G20-2
See Note 4

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. BUJWID	00-C518	CONSTRUCTION DETAILS TEMPORARY TRAFFIC CONTROL ROAD CLOSURE (W/ FLAGGERS) 18 of 22	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	SHEET 26 OF 88
DATE: 07/26			

02-Jul-26

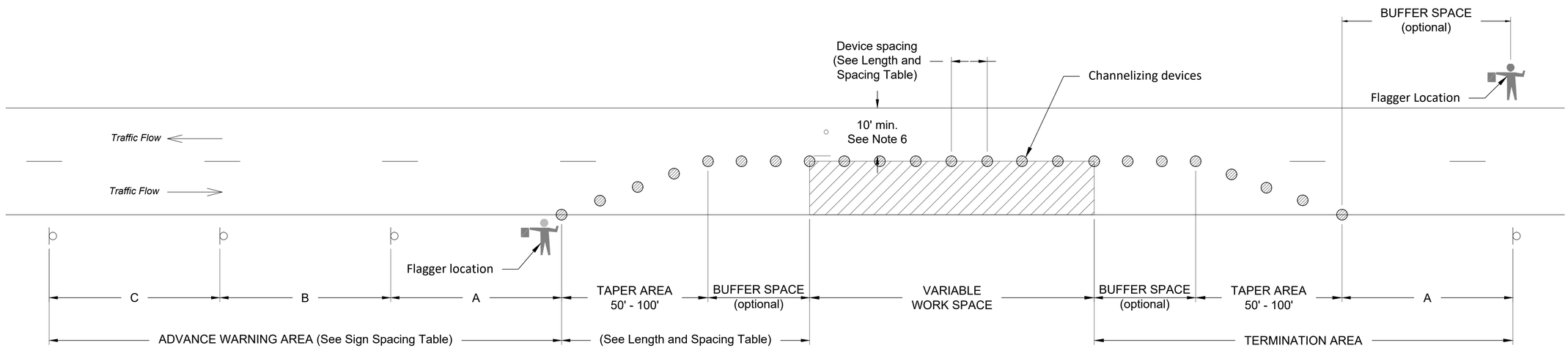
LENGTH AND SPACING TABLE				
APPROACH SPEED* MPH	BUFFER SPACE LENGTH FEET	CHANNELIZING DEVICE SPACING IN FEET		
		TAPER AREA	BUFFER SPACE	WORK SPACE
20	115	20	40	40
25	155	20	50	50
30	200	20	60	60
35	250	20	70	70
40	305	20	80	80
45	360	20	90	90
50	425	20	100	100

* *Approach speed based on the regulatory posted speed, not the advisory speed.*

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350

Notes:

1. *Signs are shown for one direction of travel only. Place devices similar to those depicted for the opposed direction of travel.*
2. *Final location and spacing of signs and devices may be changed to fit field conditions as approved.*
3. *For pilot car operation, mount the PILOT CAR FOLLOW ME (G20-4) sign at a conspicuous location on the rear of the vehicle. Prominently display the name of the contractor on the pilot car*
4. *If closure is completely within the project limits, eliminate the ROAD WORK AHEAD (W20-1) and END ROAD WORK (G20-2) signs*
5. *Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.*



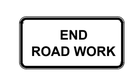
W20-1
See Note 4

W20-4

W13-1P
(optional)

W20-7

W16-2P



G20-2
See Note 4

DESIGNED: N. FARUK	SUB SHEET NO. 00-C519	TITLE OF SHEET CONSTRUCTION DETAILS TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE (W/ FLAGGERS) 19 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	DRAWING NO. 178 197,917
CADD: N. BUJWID			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD			SHEET 27 OF 88
DATE: 07/26			

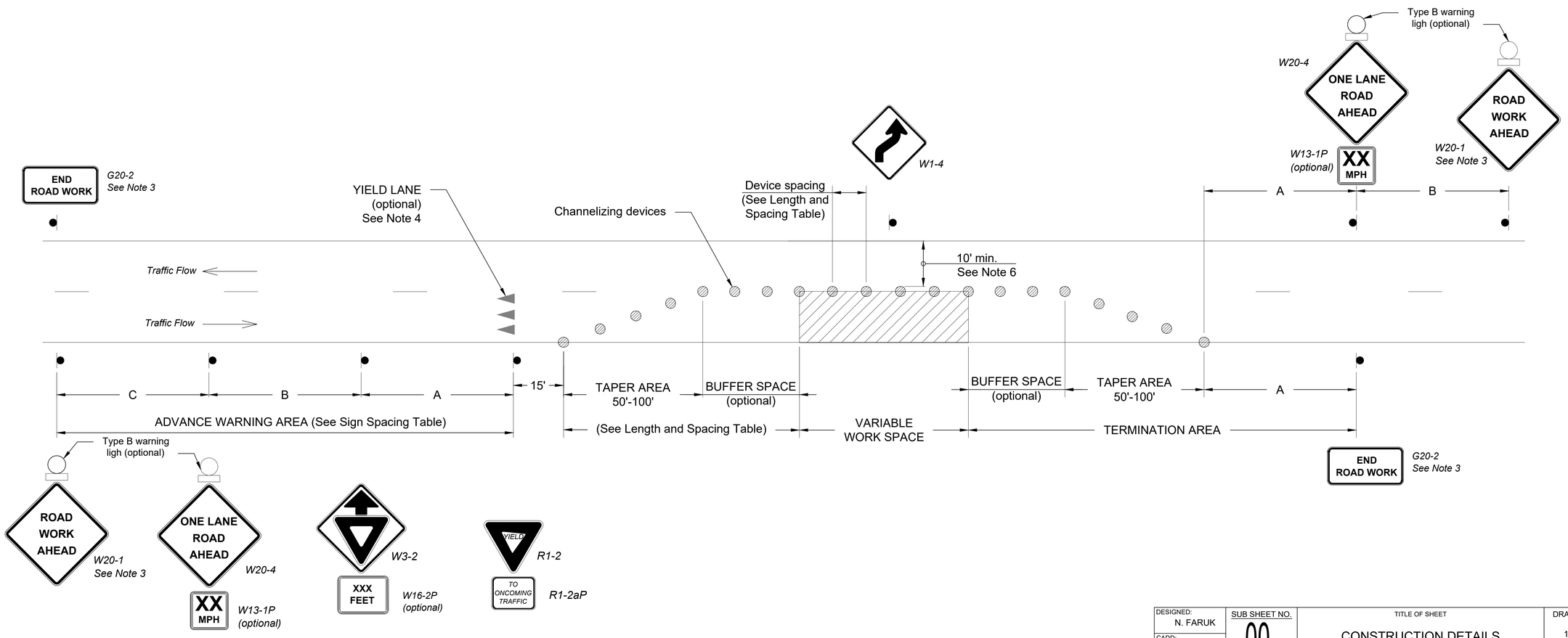
02-Jul-26

LENGTH AND SPACING TABLE				
APPROACH SPEED* MPH	BUFFER SPACE LENGTH FEET	CHANNELIZING DEVICE SPACING IN FEET		
		TAPER AREA	BUFFER SPACE	WORK SPACE
20	115	20	40	40
25	155	20	50	50
30	200	20	60	60
35	250	20	70	70
40	305	20	80	80
45	360	20	90	90
50	425	20	100	100

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350

Notes:

1. *Use this layout only if sufficient gaps in oncoming traffic exist for traffic that must yield, and if drivers from both directions are able to see approaching traffic through and beyond the work site.*
2. *Final location and spacing of devices may be changed to fit field conditions as approved.*
3. *If closure is completely within the project limits, eliminate the ROAD WORK AHEAD (W20-1) and END ROAD WORK (G20-2) signs.*
4. *If the surface is paved, install yield lines that comply with MUTCD.*
5. *Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.*



DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. BUJWID	00-C520	CONSTRUCTION DETAILS TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE (W/ YIELD) 20 of 22	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	SHEET 28 OF 88
DATE: 07/26			

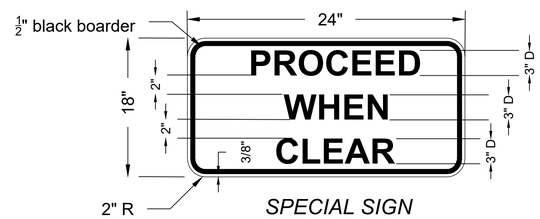
02-Jul-26

LENGTH AND SPACING TABLE				
APPROACH SPEED* MPH	BUFFER SPACE LENGTH FEET	CHANNELIZING DEVICE SPACING IN FEET		
		TAPER AREA	BUFFER SPACE	WORK SPACE
20	115	20	40	40
25	155	20	50	50
30	200	20	60	60
35	250	20	70	70
40	305	20	80	80
45	360	20	90	90
50	425	20	100	100

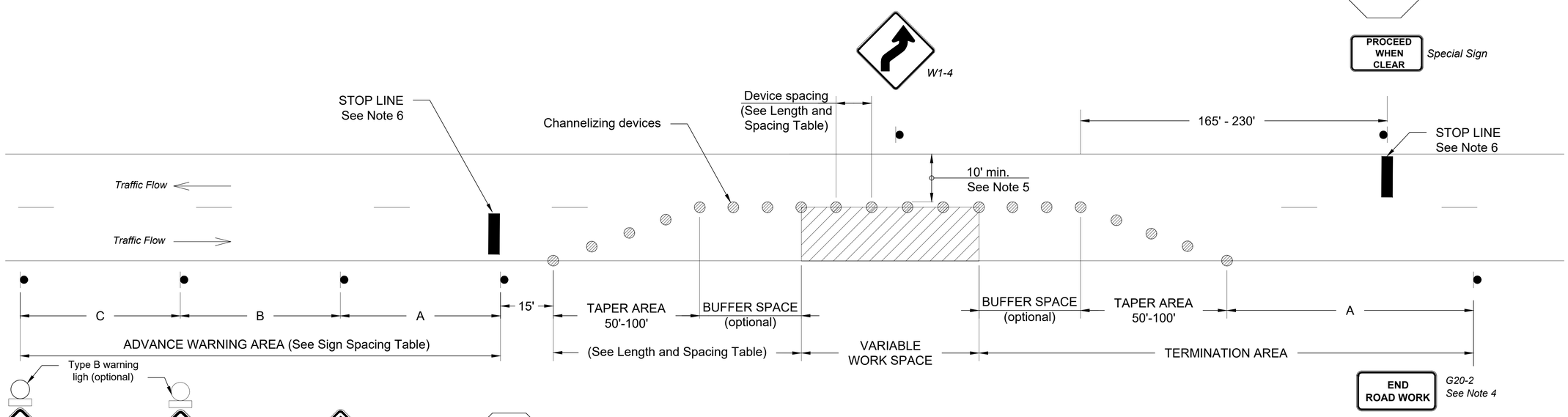
SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350

Notes:

1. *Use this layout only if sufficient gaps in oncoming traffic exist for traffic that must yield, and if drivers from both directions are able to see approaching traffic through and beyond the work site.*
2. *Signs are shown for one direction of travel only. Place signs similar to those depicted for the opposite direction of travel.*
3. *Final location and spacing of devices may be changed to fit field conditions as approved.*
4. *If closure is completely within the project limits, eliminate the ROAD WORK AHEAD (W20-1) and END ROAD WORK (G20-2) signs.*
5. *If the roadway surface is paved, install stop lines that comply with the MUTCD.*
6. *Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.*



SPECIAL SIGN
Black lettering on retroreflective white background



DESIGNED: N. FARUK	SUB SHEET NO. 00-C521	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. BUJWID		CONSTRUCTION DETAILS TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE (W/ STOP) 21 of 22 PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD			SHEET 29 OF 88
DATE: 07/26			

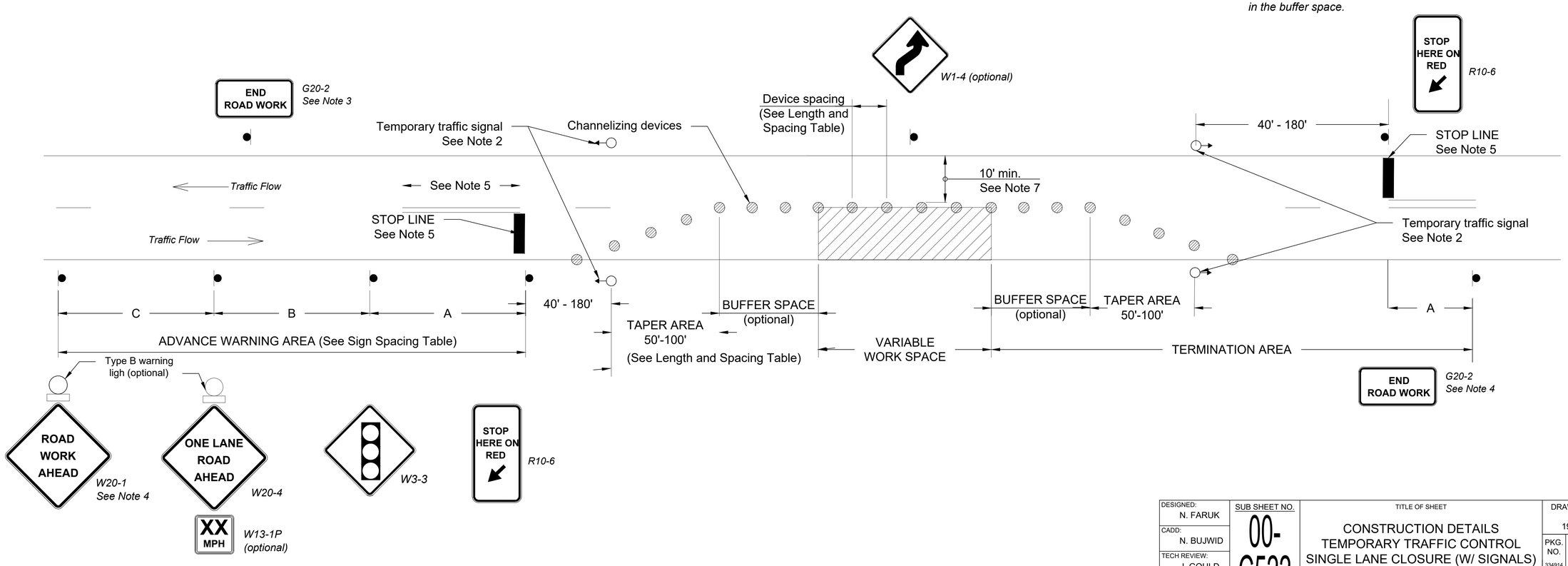
02-Jul-26

LENGTH AND SPACING TABLE				
APPROACH SPEED* MPH	BUFFER SPACE LENGTH FEET	CHANNELIZING DEVICE SPACING IN FEET		
		TAPER AREA	BUFFER SPACE	WORK SPACE
20	115	20	40	40
25	155	20	50	50
30	200	20	60	60
35	250	20	70	70
40	305	20	80	80
45	360	20	90	90
50	425	20	100	100

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban and Rural 30 MPH and less	100	100	100
Urban and Rural 35 MPH to 50 MPH	350	350	350

Notes:

1. *Signs are shown for one direction of travel only. Place signs similar to those depicted for the opposite direction of travel.*
2. *A single signal installation is acceptable, on the right-hand side of the road, if it has two signal faces that are at least 8 feet apart and meets the other requirements of the MUTCD.*
3. *Install and operate temporary traffic control signals in accordance with the requirements of the MUTCD. Establish signal timing using a qualified engineer. When signal is changed to the flashing mode either manually or automatically, ensure red signal indications are flashed to both approaches.*
4. *Final location and spacing of devices may be changed to fit field conditions as approved. If signal is moved, determine revised signal timing using a qualified engineer.*
5. *For paved roadway surfaces, install stop lines complying with MUTCD. Remove existing conflicting pavement markings and raised markers between the work space and the stop line. Add no-passing lines in advance of the stop line that comply with MUTCD. Removable pavement markings may be used for stop lines and no-passing pavement markings.*
6. *If closure is completely within the project limits, eliminate the ROAD WORK AHEAD (W20-1) and END ROAD WORK (G20-2) signs.*
7. *Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.*



DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. BUJWID	00-C522	CONSTRUCTION DETAILS TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE (W/ SIGNALS) 22 of 22	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION SOUTH CAROLINA PARK UNITS	SHEET 30 OF 88
DATE: 07/26			

02-Jul-26

ROAD INVENTORY DATA

SCHEDULE A

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LOCATION		LENGTH (MILES)	ROAD WIDTH (FT.)	AREA (SQ. FT.)
				FROM MILEPOST	TO MILEPOST			
CONG-0010	49065	ENTRANCE ROAD	CRACK SEAL & SEAL COAT w/ PATCHING	0.00	1.25	1.25	22.2	-
CONG-0100	241978	LONGLEAF CAMPGROUND ACCESS ROAD	CRACK SEAL & SEAL COAT	0.00	0.02	0.02	15.0	-
CONG-0900	49064	VISITOR CENTER FIRST PARKING	CRACK SEAL & SEAL COAT	-	-	-	-	13,648
CONG-0901	225801	VISITOR CENTER BUS PARKING	ASPHALT MILL & OVERLAY w/ PATCHING	-	-	-	-	16,499
CONG-0909	225800	VISITOR CENTER MIDDLE PARKING	CRACK SEAL & SEAL COAT	-	-	-	-	14,462
COWP-0010	75891	MAIN ENTRANCE ROAD	ENTRANCE: ASPHALT RECONSTRUCTION | REST: CRACK SEAL & SEAL COAT	0.00	0.45	0.45	20.0	-
COWP-0011	75894	TOUR ROAD	CRACK SEAL & SEAL COAT	0.00	2.54	2.54	16.4	-
COWP-0401	104862	MAINTENANCE AREA ACCESS ROAD	CRACK SEAL & SEAL COAT w/ PATCHING	0.00	0.13	0.13	19.8	-
COWP-0900	75898	VISITOR CENTER PARKING	CRACK SEAL & SEAL COAT	-	-	-	-	63,085
COWP-0903	75906	OVERLOOK NO. 1 PARKING	CRACK SEAL & SEAL COAT	-	-	-	-	7,001
COWP-0904	75907	SCRUGGS HOUSE PARKING	CRACK SEAL & SEAL COAT	-	-	-	-	19,631
COWP-0905	75909	BATTLEFIELD PARKING NO. 1	CRACK SEAL & SEAL COAT	-	-	-	-	21,623
COWP-0906	7911	BATTLEFIELD PARKING NO. 2	CRACK SEAL & SEAL COAT	-	-	-	-	6,051
COWP-0907	75896	PICNIC AREA LOOP	CRACK SEAL & SEAL COAT	-	-	-	-	41,114
COWP-0914	113293	TRAILHEAD PARKING	ENTRANCE: ASPAHLT RECONSTRUCTION | REST: ASPHALT MILL & OVERLAY w/ PATCHING	-	-	-	-	18,190
KIMO-0010	42951	MAIN PARK DRIVE	ASPHALT MILL & OVERLAY w/ PATCHING	0.00	2.82	2.82	21.4	-
KIMO-0900	54287	VISITOR ENTRANCE PARKING	CRACK SEAL & SEAL COAT	-	-	-	-	46,317
KIMO-0903	54290	HEADQUARTERS PARKING	ASPHALT MILL & OVERLAY	-	-	-	-	7,967
NISI-0900	75619	VISITOR CENTER PARKING	CRACK SEAL & SEAL COAT w/ PATCHING	-	-	-	-	20,974
					TOTAL	**7.21**		**296,562**

NOTES:
1. ALL DATA RECEIVED FROM RIP CYCLE 6 REPORT.
2. FOLLOWING RIP DATA, LANE MILES FOR THE PARKING LOTS ARE CALCULATED ASSUMING 11-FOOT WIDE LANES

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. JONES	00-C601	ROAD INVENTORY DATA 1 of 2	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	SHEET 31 OF 88
DATE: 07/26			

02-Jul-26

ROAD INVENTORY DATA

OPTION 1

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LOCATION		LENGTH (MILES)	ROAD WIDTH (FT.)	AREA (SQ. FT.)
				FROM MILEPOST	TO MILEPOST			
CONG-0902	241977	EMPLOYEE PARKING	SEAL COAT w/ PATCHING	-	-	-	-	5,804
					TOTAL	**0**		**5,804**

OPTION 2

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LOCATION		LENGTH (MILES)	ROAD WIDTH (FT.)	AREA (SQ. FT.)
				FROM MILEPOST	TO MILEPOST			
COWP-0902	75904	MAINTENANCE AREA	CRACK SEAL & SEAL COAT	-	-	-	-	13,387
COWP-0913	75924	GOV PARKING	CRACK SEAL & SEAL COAT	-	-	-	-	6,303
					TOTAL	**0**		**6,303**

OPTION 3

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LOCATION		LENGTH (MILES)	ROAD WIDTH (FT.)	AREA (SQ. FT.)
				FROM MILEPOST	TO MILEPOST			
KIMO-0901	54288	MAINTENANCE AREA PARKING	CRACK SEAL & SEAL COAT w/ PATC	-	-	-	-	15,648
					TOTAL	**0**		**15,648**

OPTION 4

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LOCATION		LENGTH (MILES)	ROAD WIDTH (FT.)	AREA (SQ. FT.)
				FROM MILEPOST	TO MILEPOST			
NISI-0400AZ	104866	MAINTENANCE ACCESS ROAD A	CRACK SEAL & SEAL COAT	0.00	0.12	0.12	8.7	-
NISI-0901	75622	MAINTENANCE AREA PARKING	SEAL COAT	-	-	-	-	6,978
					TOTAL	**0**		**6,978**

NOTES:

1. DIMENSIONS FOR ROADWAYS AND PARKING LOTS FROM RIP CYCLE 6 REPORT.

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C602	TITLE OF SHEET ROAD INVENTORY DATA 2 of 2 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 32 OF 88

02-Jul-26

TREATMENT QUANTITY

SCHEDULE A

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	WIDTH (FT.)	AREA (SQ. FT.)	CLEANING AND SEALING OF CRACKS (FT.)	SEAL COAT (SQ. FT.)	1" ASPHALT MILL AND OVERLAY (SQ. FT.)	2" ASPHALT MILL AND OVERLAY (SQ. FT.)	4" ASPHALT MILL AND OVERLAY (SQ. FT.)	ASPHALT PAVEMENT PATCH-TYPE 1 (SQ. FT.)	ASPHALT PAVEMENT PATCH-TYPE 2 (SQ. FT.)	ASPHALT RECONSTRUCTION (SQ. FT.)
CONG-0010	49065	ENTRANCE ROAD	CRACK SEAL & SEAL COAT W/ PATCHING	1.25	22.2	-	1,500	146,520	0	0	0	2,075	0	0
CONG-0100	241978	LONGLEAF CAMPGROUND ACCESS ROAD	CRACK SEAL & SEAL COAT	0.02	15.0	-	30	1,584	0	0	0	0	0	0
CONG-0900	49064	VISITOR CENTER FIRST PARKING	CRACK SEAL & SEAL COAT	-	-	13,648	225	13,648	0	0	0	0	0	0
CONG-0901	225801	VISITOR CENTER BUS PARKING	ASPHALT MILL & OVERLAY W/ PATCHING	-	-	16,499	0	0	0	0	16,499	700	0	0
CONG-0909	225800	VISITOR CENTER MIDDLE PARKING	CRACK SEAL & SEAL COAT	-	-	14,462	225	14,462	0	0	0	0	0	0
COWP-0010	75891	MAIN ENTRANCE ROAD	ASPHALT RECONSTRUCTION | CRACK SEAL & SEAL COAT	0.45	20.0	-	1,200	45,448	0	0	0	0	0	2,072
COWP-0011	75894	TOUR ROAD	CRACK SEAL & SEAL COAT	2.54	16.4	-	3,824	219,944	0	0	0	0	0	0
COWP-0401	104862	MAINTENANCE AREA ACCESS ROAD	CRACK SEAL & SEAL COAT W/ PATCHING	0.13	19.8	-	150	13,591	0	0	0	48	0	0
COWP-0900	75895	VISITOR CENTER PARKING	CRACK SEAL & SEAL COAT	-	-	63,085	2,900	63,085	0	0	0	0	0	0
COWP-0903	75906	OVERLOOK NO. 1 PARKING	CRACK SEAL & SEAL COAT	-	-	7,001	350	7,001	0	0	0	0	0	0
COWP-0904	75907	SHRUGGS HOUSE PARKING	CRACK SEAL & SEAL COAT	-	-	19,631	1,150	19,631	0	0	0	0	0	0
COWP-0905	75909	BATTLEFIELD PARKING NO. 1	CRACK SEAL & SEAL COAT	-	-	21,623	1,700	21,623	0	0	0	0	0	0
COWP-0906	7911	BATTLEFIELD PARKING NO. 2	CRACK SEAL & SEAL COAT	-	-	6,051	500	6,051	0	0	0	0	0	0
COWP-0907	75896	PICNIC AREA LOOP	CRACK SEAL & SEAL COAT	-	-	41,114	550	41,114	0	0	0	0	0	0
COWP-0914	113293	TRAILHEAD PARKING	ASPHALT RECONSTRUCTION | APHALT MILL & OVERLAY W/ PATCHING	-	-	18,190	0	0	0	17,030	0	1,020	0	1,160
KIMO-0010	42951	MAIN PARK DRIVE	ASPHALT MILL & OVERLAY W/ PATCHING	2.82	21.4	-	0	0	325,440	0	0	6,216	0	0
KIMO-0900	54287	VISITOR ENTRANCE PARKING	CRACK SEAL & SEAL COAT W/ PATCHING	-	-	46,317	3,000	45,395	0	0	0	600	0	0
KIMO-0903	54290	HEADQUARTERS PARKING	APHALT MILL & OVERLAY	-	-	7,967	0	0	6,955	0	0	0	0	0
NISI-0900	75619	VISITOR CENTER PARKING	CRACK SEAL & SEAL COAT W/ PATCHING	-	-	20,974	300	20,954	0	0	0	0	20	0
			TOTAL	**7.21**	**-**	**296,562**	**17,604**	**680,050**	**332,395**	**17,030**	**16,499**	**10,659**	**20**	**3,232**

NOTES:

1. DIMENSIONS FOR ROADWAYS AND PARKING LOTS FROM RIP CYCLE 6 REPORT.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 / 197,917
CADD: N. JONES	00-C603	TREATMENT QUANTITY 1 of 2	PKG. NO. 334914, 334929, 334920, 334915
TECH REVIEW: J. GOULD, E. SWEARINGEN		PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	SHEET 33 OF 88
DATE: 07/26			

02-Jul-26

TREATMENT QUANTITY

OPTION 1

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	WIDTH (FT.)	AREA (SQ. FT.)	CLEANING AND SEALING OF CRACKS (MILES)	SEAL COAT (SQ. FT.)	1" ASPHALT MILL AND OVERLAY (SQ. FT.)	2" ASPHALT MILL AND OVERLAY (SQ. FT.)	4" ASPHALT MILL AND OVERLAY (SQ. FT.)	ASPHALT PAVEMENT PATCH-TYPE 1 (S. FT.)	ASPHALT PAVEMENT PATCH-TYPE 2 (S. FT.)	ASPHALT RECONSTRUCTION (S. FT.)
CONG-0902	241977	EMPLOYEE PARKING	SEAL COAT W/ PATCHING	-	-	5,804	-	5,274	0	0	0	530	0	0
			TOTAL	0.00	-	5,804	0.0	5,274	0	0	0	530	0	0

OPTION 2

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	WIDTH (FT.)	AREA (SQ. FT.)	CLEANING AND SEALING OF CRACKS (MILES)	SEAL COAT (SQ. FT.)	1" ASPHALT MILL AND OVERLAY (SQ. FT.)	2" ASPHALT MILL AND OVERLAY (SQ. FT.)	4" ASPHALT MILL AND OVERLAY (SQ. FT.)	ASPHALT PAVEMENT PATCH-TYPE 1 (S. FT.)	ASPHALT PAVEMENT PATCH-TYPE 2 (S. FT.)	ASPHALT RECONSTRUCTION (S. FT.)
COWP-0902	75904	MAINTENANCE AREA	CRACK SEAL & SEAL COAT	-	-	13,387	-	13,387	0	0	0	0	0	0
COWP-0913	75924	GOV PARKING	CRACK SEAL & SEAL COAT	-	-	6,303	-	6,303	0	0	0	0	0	0
			TOTAL	0.00	-	19,690	0.0	19,690	0	0	0	0	0	0

OPTION 3

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	WIDTH (FT.)	AREA (SQ. FT.)	CLEANING AND SEALING OF CRACKS (MILES)	SEAL COAT (SQ. FT.)	1" ASPHALT MILL AND OVERLAY (SQ. FT.)	2" ASPHALT MILL AND OVERLAY (SQ. FT.)	4" ASPHALT MILL AND OVERLAY (SQ. FT.)	ASPHALT PAVEMENT PATCH-TYPE 1 (S. FT.)	ASPHALT PAVEMENT PATCH-TYPE 2 (S. FT.)	ASPHALT RECONSTRUCTION (S. FT.)
KIMO-0901	54288	MAINTENANCE AREA PARKING	CRACK SEAL & SEAL COAT W/ PATCHING	-	-	15,648	-	15,498	0	0	0	150	0	0
			TOTAL	0.00	-	15,648	0.0	15,498	0	0	0	150	0	0

OPTION 4

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	WIDTH (FT.)	AREA (SQ. FT.)	CLEANING AND SEALING OF CRACKS (MILES)	SEAL COAT (SQ. FT.)	1" ASPHALT MILL AND OVERLAY (SQ. FT.)	2" ASPHALT MILL AND OVERLAY (SQ. FT.)	4" ASPHALT MILL AND OVERLAY (SQ. FT.)	ASPHALT PAVEMENT PATCH-TYPE 1 (S. FT.)	ASPHALT PAVEMENT PATCH-TYPE 2 (S. FT.)	ASPHALT RECONSTRUCTION (S. FT.)
NISI-0400AZ	104866	MAINTENANCE ACCESS ROAD A	CRACK SEAL & SEAL COAT	0.12	8.7	-	0.12	5,512	0	0	0	0	0	0
NISI-0901	75622	MAINTENANCE AREA PARKING	SEAL COAT	-	-	6,978	0	6,978	0	0	0	0	0	0
			TOTAL	0.12	-	6,978	0.1	12,490	0	0	0	0	0	0

NOTES:

1. DIMENSIONS FOR ROADWAYS AND PARKING LOTS FROM RIP CYCLE 6 REPORT.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. JONES	00-C604	TREATMENT QUANTITY 2 of 2	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	SHEET 34 OF 88
DATE: 07/26			

02-Jul-26

MARKING QUANTITY

SCHEDULE A

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	AREA (SQ. FT.)	32 17 23.13.01 4" LINE TYPE B, COLOR VARIES (LF)	32 17 23.13.02 6" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.03 12" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.04 SMALL TRAFFIC ARROW, TYPE B (LF)	32 17 23.13.06 SMALL MISC. MARKINGS, TYPE B (LF)
CONG-0010	49065	ENTRANCE ROAD	CRACK SEAL & SEAL COAT W/ PATCHING	1.25	-	13,440	94	72	2	0
CONG-0100	241978	LONGLEAF CAMPGROUND ACCESS ROAD	CRACK SEAL & SEAL COAT	0.02	-	160	0	14	0	0
CONG-0900	49064	VISITOR CENTER FIRST PARKING	CRACK SEAL & SEAL COAT	0.12	1,516	1,086	0	26	3	2
CONG-0901	225801	VISITOR CENTER BUS PARKING	ASPHALT MILL & OVERLAY W/ PATCHING	0.14	1,833	822	0	34	0	0
CONG-0909	225800	VISITOR CENTER MIDDLE PARKING	CRACK SEAL & SEAL COAT	0.12	1,607	648	0	24	3	2
COWP-0010	75891	MAIN ENTRANCE ROAD	ASPHALT RECONSTRUCTION | CRACK SEAL & SEAL COAT	2.82	-	4,712	40	34	0	3
COWP-0011	75894	TOUR ROAD	CRACK SEAL & SEAL COAT	4.23	-	16,010	100	40	3	9
COWP-0401	104862	MAINTENANCE AREA ACCESS ROAD	CRACK SEAL & SEAL COAT W/ PATCHING	0.22	-	1,373	0	26	0	0
COWP-0900	75895	VISITOR CENTER PARKING	CRACK SEAL & SEAL COAT	0.06	7,009	2,252	0	56	0	5
COWP-0903	75906	OVERLOOK NO. 1 PARKING	CRACK SEAL & SEAL COAT	0.01	788	232	0	32	0	0
COWP-0904	75907	SHRUGGS HOUSE PARKING	CRACK SEAL & SEAL COAT	0.02	2,181	1,175	0	40	0	3
COWP-0905	75909	BATTLEFIELD PARKING NO. 1	CRACK SEAL & SEAL COAT	0.02	2,403	1,440	0	20	0	3
COWP-0906	7911	BATTLEFIELD PARKING NO. 2	CRACK SEAL & SEAL COAT	0.01	672	360	0	30	0	1
COWP-0907	75896	PICNIC AREA LOOP	CRACK SEAL & SEAL COAT	0.04	4,568	1,517	0	44	0	7
COWP-0914	113293	TRAILHEAD PARKING	ASPHALT RECONSTRUCTION | APHALT MILL & OVERLAY W/ PATCHING	0.02	2,021	540	0	54	6	2
KIMO-0010	42951	MAIN PARK DRIVE	APHALT OVERLAY W/ PATCHING	2.82	-	60,748	140	0	1	0
KIMO-0900	54287	VISITOR ENTRANCE PARKING	CRACK SEAL & SEAL COAT	0.04	5,146	1,992	0	110	6	4
KIMO-0903	54290	HEADQUARTERS PARKING	APHALT OVERLAY	0.01	885	344	0	0	0	2
NISI-0900	75619	VISITOR CENTER PARKING	CRACK SEAL & SEAL COAT W/ PATCHING	0.02	2,330	889	142	20	4	2
			TOTAL	**11.99**	**32,959**	**109,740**	**516**	**676**	**28**	**45**

NOTES:

1. DIMENSIONS FOR ROADWAYS AND PARKING LOTS FROM RIP CYCLE 6 REPORT.

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C605	TITLE OF SHEET MARKING QUANTITY 1 of 2 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 35 OF 88

02-Jul-26

MARKING QUANTITY

OPTION 1

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	AREA (SQ. FT.)	32 17 23.13.01 4" LINE TYPE B, COLOR VARIES (LF)	32 17 23.13.02 6" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.03 12" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.04 SMALL TRAFFIC ARROW, TYPE B (LF)	32 17 23.13.06 SMALL MISC. MARKINGS, TYPE B (LF)
CONG-0902	241977	EMPLOYEE PARKING	SEAL COAT W/ PATCHING	0.05	645	144	0	0	0	0
			TOTAL	**0.05**	**645**	**144**	**0**	**0**	**0**	**0**

OPTION 2

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	AREA (SQ. FT.)	32 17 23.13.01 4" LINE TYPE B, COLOR VARIES (LF)	32 17 23.13.02 6" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.03 12" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.04 SMALL TRAFFIC ARROW, TYPE B (LF)	32 17 23.13.06 SMALL MISC. MARKINGS, TYPE B (LF)
COWP-0902	75904	MAINTENANCE AREA	CRACK SEAL & SEAL COAT	0.01	1,487	0	0	0	0	0
COWP-0913	75924	GOV PARKING	CRACK SEAL & SEAL COAT	0.01	700	18	0	0	0	1
			TOTAL	**0.02**	**2,187**	**18**	**0**	**0**	**0**	**1**

OPTION 3

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	AREA (SQ. FT.)	32 17 23.13.01 4" LINE TYPE B, COLOR VARIES (LF)	32 17 23.13.02 6" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.03 12" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.04 SMALL TRAFFIC ARROW, TYPE B (LF)	32 17 23.13.06 SMALL MISC. MARKINGS, TYPE B (LF)
KIMO-0901	54288	MAINTENANCE AREA PARKING	CRACK SEAL & SEAL COAT W/ PATCHING	0.01	1,739	72	0	0	0	0
			TOTAL	**0.01**	**1,739**	**72**	**0**	**0**	**0**	**0**

OPTION 4

ROUTE NO.	FMSS #	ROUTE NAME	WORK DESCRIPTION	LENGTH (MILES)	AREA (SQ. FT.)	32 17 23.13.01 4" LINE TYPE B, COLOR VARIES (LF)	32 17 23.13.02 6" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.03 12" LINE TYPE H, COLOR VARIES (LF)	32 17 23.13.04 SMALL TRAFFIC ARROW, TYPE B (LF)	32 17 23.13.06 SMALL MISC. MARKINGS, TYPE B (LF)
NISI-0400AZ	104866	MAINTENANCE ACCESS ROAD A	CRACK SEAL & SEAL COAT	0.12	6,970	0	0	0	0	0
NISI-0901	75622	MAINTENANCE AREA PARKING	SEAL COAT	0.01	755	0	0	0	0	0
			TOTAL	**0.13**	**7,725**	**0**	**0**	**0**	**0**	**0**

NOTES:

1. DIMENSIONS FOR ROADWAYS AND PARKING LOTS FROM RIP CYCLE 6 REPORT.

02-Jul-26

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C606	TITLE OF SHEET MARKING QUANTITY 2 of 2 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 / 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 36 OF 88

MISCELLANEOUS QUANTITY

SCHEDULE A

ROUTE NO.	FMSS #	ROUTE NAME	LENGTH (MILES)	WIDTH (MILES)	AREA (SQ. FT.)	AGG/SEED (CY)	AGG SHOULDER (CY)	SIGN POST	W11-15	W11-15P	W11-2	W16-9P	W16-7PL	W16-1P	R7-8	R5-1	R6-1
CONG-0010	49065	ENTRANCE ROAD	1.25	22.2	-	0	758	2	0	0	2	0	2	0	0	0	0
CONG-0100	241978	LONGLEAF CAMPGROUND ACCESS ROAD	0.02	15.0	-	0	0	0	0	0	0	0	0	0	0	0	0
CONG-0900	49064	VISITOR CENTER FIRST PARKING	-	-	1,516	0	4	2	0	0	0	0	0	0	2	0	1
CONG-0901	225801	VISITOR CENTER BUS PARKING	-	-	1,833	0	15	0	0	0	0	0	0	0	0	0	0
CONG-0909	225800	VISITOR CENTER MIDDLE PARKING	-	-	1,607	0	2	2	0	0	0	0	0	0	2	1	0
COWP-0010	75891	MAIN ENTRANCE ROAD	0.45	20.0	-	15	0	5	5	2	0	0	0	3	0	0	0
COWP-0011	75894	TOUR ROAD	2.54	16.4	-	183	0	9	7	1	2	1	1	6	0	0	0
COWP-0401	104862	MAINTENANCE AREA ACCESS ROAD	0.13	19.8	-	0	0	0	0	0	0	0	0	0	0	0	0
COWP-0900	75895	VISITOR CENTER PARKING	-	-	63,085	5	0	5	0	0	0	0	0	0	5	0	0
COWP-0903	75906	OVERLOOK NO.1 PARKING	-	-	7,001	0	0	0	0	0	0	0	0	0	0	0	0
COWP-0904	75907	SHRUGGS HOUSE PARKING	-	-	19,631	0	0	0	0	0	0	0	0	0	0	0	0
COWP-0905	75909	BATTLEFIELD PARKING NO. 1	-	-	21,623	0	0	0	0	0	0	0	0	0	0	0	0
COWP-0906	7911	BATTLEFIELD PARKING NO. 2	-	-	6,051	0	0	0	0	0	0	0	0	0	0	0	0
COWP-0907	75896	PICNIC AREA LOOP	-	-	41,114	11	0	5	0	0	0	0	0	0	5	0	0
COWP-0914	113293	TRAILHEAD PARKING	-	-	6,303	2	0	2	0	0	0	0	0	0	2	0	0
KIMO-0010	42951	MAIN PARK DRIVE	2.82	21.4	-	356	0	6	4	4	2	2	0	0	0	0	0
KIMO-0900	54287	VISITOR ENTRANCE PARKING	-	-	46,317	1	0	1	0	0	0	0	0	0	1	0	0
KIMO-0903	54290	HEADQUARTERS PARKING	-	-	7,967	0	0	0	0	0	0	0	0	0	0	0	0
NISI-0900	75619	VISITOR CENTER PARKING	-	-	20,974	1	0	0	0	0	0	0	0	0	0	0	0
		TOTAL	**7.21**	**-**	**245,022**	**574**	**779**	**39**	**16**	**7**	**6**	**3**	**3**	**9**	**17**	**1**	**1**

NOTES:

1. DIMENSIONS FOR ROADWAYS AND PARKING LOTS FROM RIP CYCLE 6 REPORT.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: N. JONES	00-C607	MISCELLANEOUS QUANTITY 1 of 2	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	SHEET 37 OF 88
DATE: 07/26			

02-Jul-26

MISCELLANEOUS QUANTITY

OPTION 1

ROUTE NO.	FMSS #	ROUTE NAME	LENGTH (MILES)	WIDTH (MILES)	AREA (SQ. FT.)	AGG/SEED (CY)	AGG/SEED (CY)	SIGN POST	W11-15	W11-15P	W11-2	W16-9P	W16-7PL	W16-1P	R7-8	R5-1	R6-1
CONG-0902	241977	EMPLOYEE PARKING	-	-	5,804	0	0	0	0	0	0	0	0	0	0	0	0
		TOTAL	0.00	-	5,804	0	0	0	0	0	0	0	0	0	0	0	0

OPTION 2

ROUTE NO.	FMSS #	ROUTE NAME	LENGTH (MILES)	WIDTH (MILES)	AREA (SQ. FT.)	AGG/SEED (CY)	AGG/SEED (CY)	SIGN POST	W11-15	W11-15P	W11-2	W16-9P	W16-7PL	W16-1P	R7-8	R5-1	R6-1
COWP-0902	75904	MAINTENANCE AREA	-	-	13,387	0	0	0	0	0	0	0	0	0	0	0	0
COWP-0913	75924	GOV PARKING	-	-	18,190	1	0	1	0	0	0	0	0	0	1	0	0
		TOTAL	0.00	-	31,577	1	0	1	0	0	0	0	0	0	1	0	0

OPTION 3

ROUTE NO.	FMSS #	ROUTE NAME	LENGTH (MILES)	WIDTH (MILES)	AREA (SQ. FT.)	AGG/SEED (CY)	AGG/SEED (CY)	SIGN POST	W11-15	W11-15P	W11-2	W16-9P	W16-7PL	W16-1P	R7-8	R5-1	R6-1
KIMO-0901	54288	MAINTENANCE AREA PARKING	-	-	15,648	0	0	0	0	0	0	0	0	0	0	0	0
		TOTAL	0.00	-	15,648	0	0	0	0	0	0	0	0	0	0	0	0

OPTION 4

ROUTE NO.	FMSS #	ROUTE NAME	LENGTH (MILES)	WIDTH (MILES)	AREA (SQ. FT.)	AGG/SEED (CY)	AGG/SEED (CY)	SIGN POST	W11-15	W11-15P	W11-2	W16-9P	W16-7PL	W16-1P	R7-8	R5-1	R6-1
NISI-0400AZ	104866	MAINTENANCE ACCESS ROAD A	0.12	8.7	-	0	0	0	0	0	0	0	0	0	0	0	0
NISI-0901	75622	MAINTENANCE AREA PARKING	-	-	6,978	0	0	0	0	0	0	0	0	0	0	0	0
		TOTAL	0.12	-	6,978	0	0	0	0	0	0	0	0	0	0	0	0

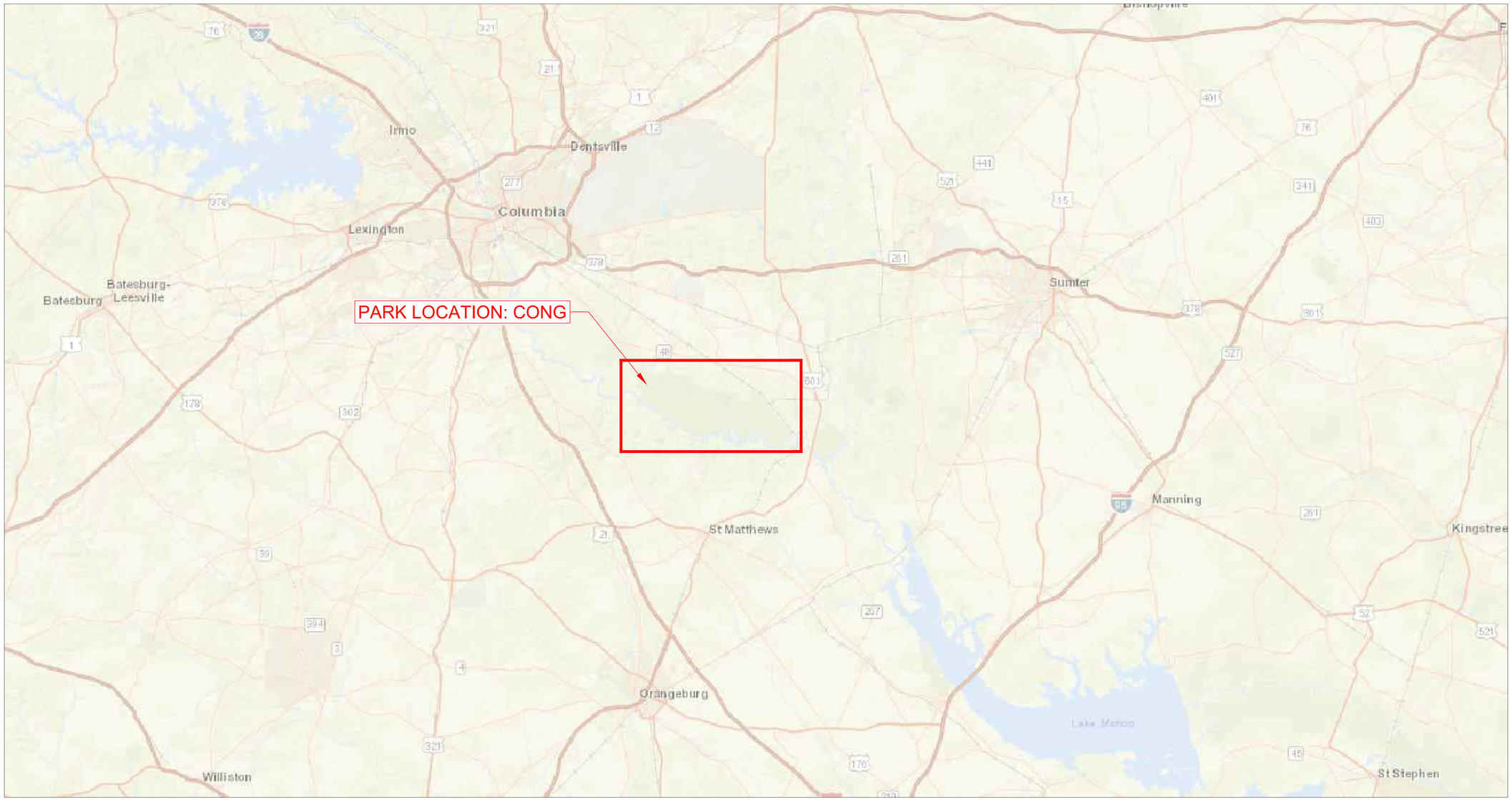
NOTES:

1. DIMENSIONS FOR ROADWAYS AND PARKING LOTS FROM RIP CYCLE 6 REPORT.

DESIGNED: N. FARUK CADD: N. JONES TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 00-C608	TITLE OF SHEET MISCELLANEOUS QUANTITY 2 of 2 PAVEMENT PRESERVATION SOUTH CAROLINA PARKS (CONG, COWP, KIMO, NISI)	DRAWING NO. 178 / 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 38 OF 88

02-Jul-26

CONGAREE NATIONAL PARK
100 NATIONAL PARK RD, HOPKINS, SC 29061

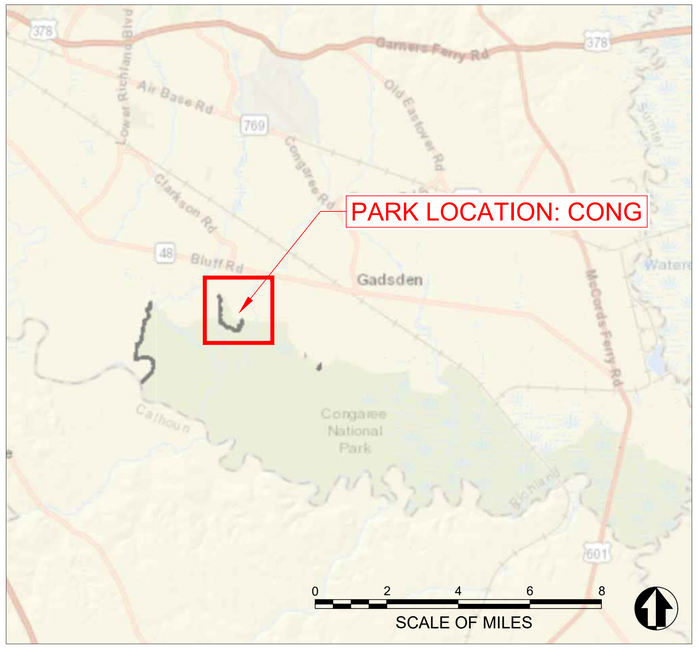


0 4 8 12 16
SCALE OF MILES

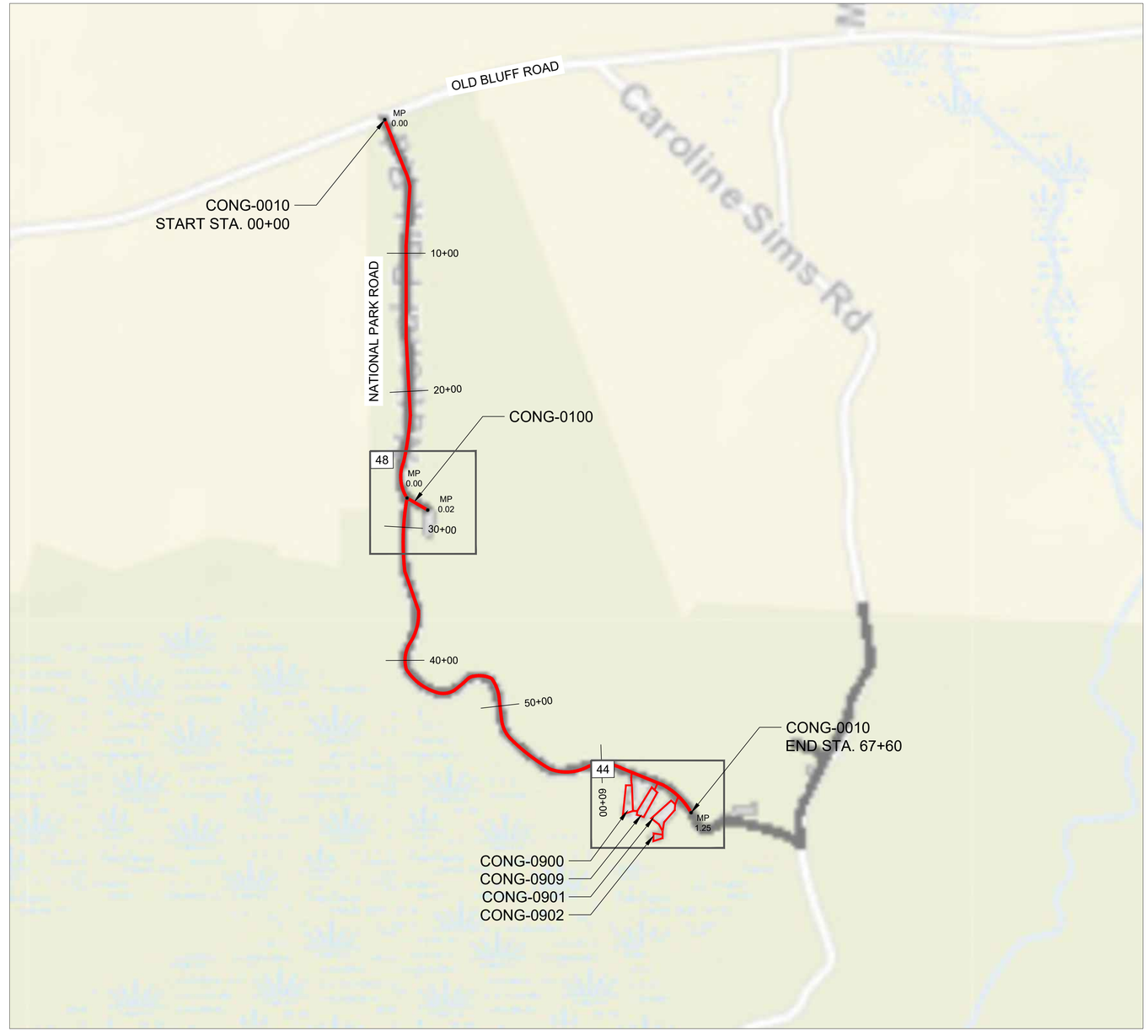
DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 01-G101	TITLE OF SHEET CONG LOCATION MAP 1 of 2 PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	DRAWING NO. 178 / 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 39 OF 88

02-Jul-26

CONGAREE NATIONAL PARK
100 NATIONAL PARK RD, HOPKINS, SC 29061



ROUTE NO.	ROUTE NAME	AREA (SF)	LENGTH (MILES)	TREATMENT RECOMMENDATION
CONG-0010	ENTRANCE ROAD		1.25	CRACK SEAL & SEAL COAT W/ LOCALIZED PATCHING
CONG-0100	LONGLEAF CAMPGROUND ACCESS RD		0.02	CRACK SEAL & SEAL COAT
CONG-0900	VISITOR CENTER FIRST PARKING	13,648		CRACK SEAL & SEAL COAT
CONG-0901	VISITOR CENTER BUS PARKING	16,499		4" AC MILL & OVERLAY W/ LOCALIZED PATCHING
CONG-0902	EMPLOYEE PARKING	5,804		SEAL COAT W/ LOCALIZED PATCHING
CONG-0909	VISITOR CENTER MIDDLE PARKING	14,462		CRACK SEAL & SEAL COAT



DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 01-G102	TITLE OF SHEET CONG LOCATION MAP 2 of 2 PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 40 OF 88

02-Jul-26

0 30 60 90 120

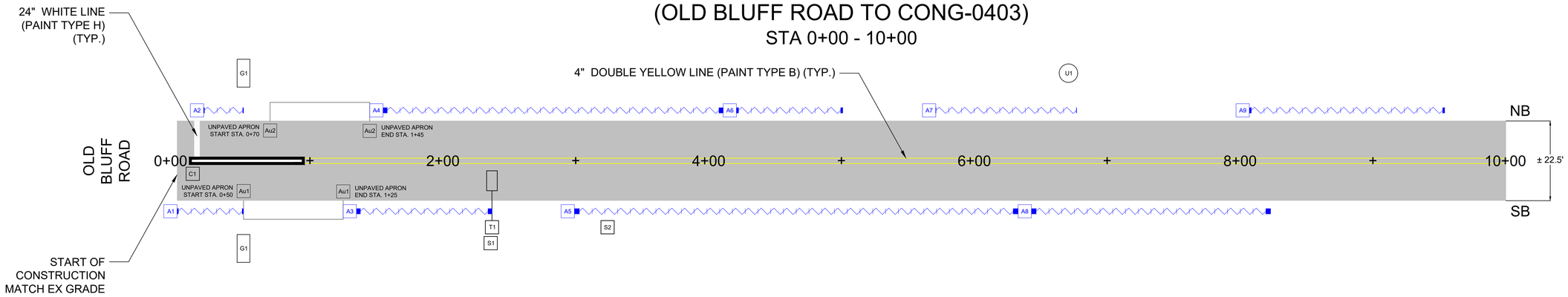
SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 01-C101	TITLE OF SHEET CONG-0900, CONG-0909 CONG-0901, CONG-0902 PARKING LOT PLANS 1 of 1 PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	DRAWING NO. 178 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 41 OF 88

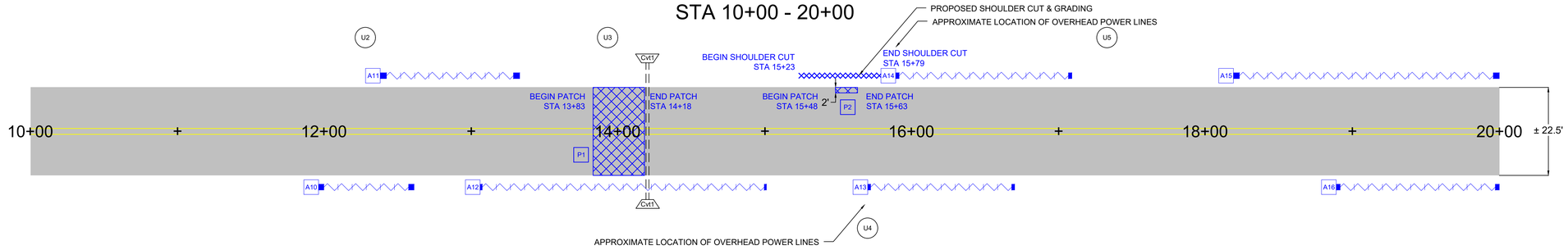
02-Jul-26

CONG-0010

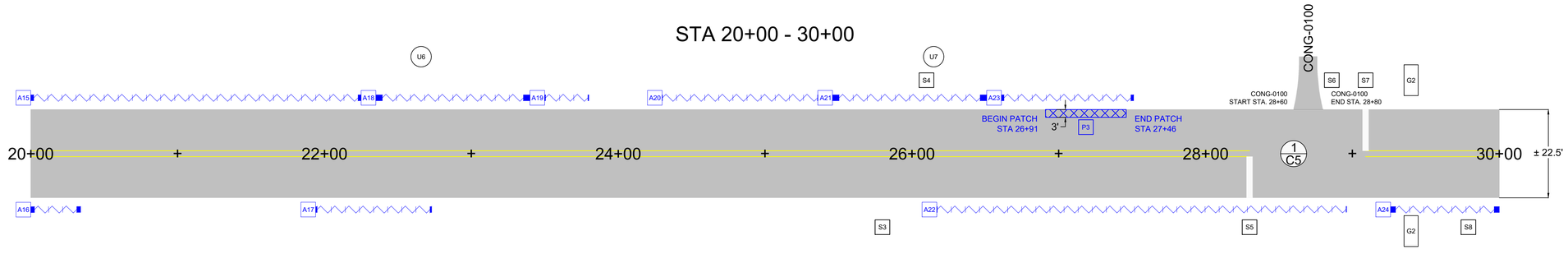
ENTRANCE ROAD
(OLD BLUFF ROAD TO CONG-0403)
STA 0+00 - 10+00



STA 10+00 - 20+00



STA 20+00 - 30+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 01-C601 & 01-C602 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SHOULDER SUPPORT

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

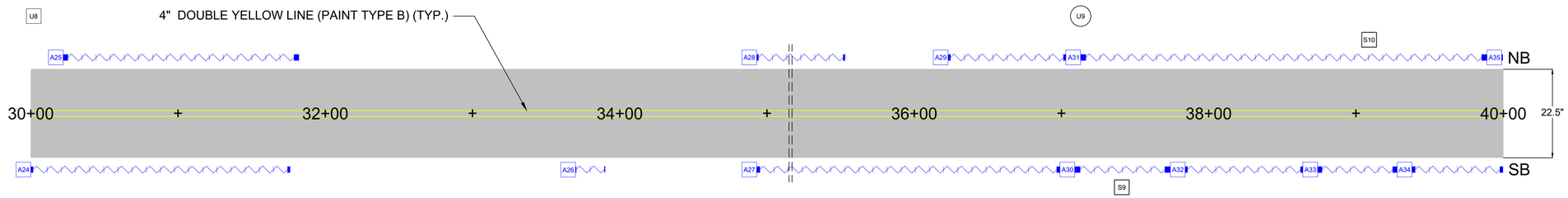
DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	01-C102	CONG-0010 ENTRANCE ROAD STRAIGHT LINE DIAGRAM 1 of 3	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	SHEET 42 OF 88
DATE: 07/26			

02-Jul-26

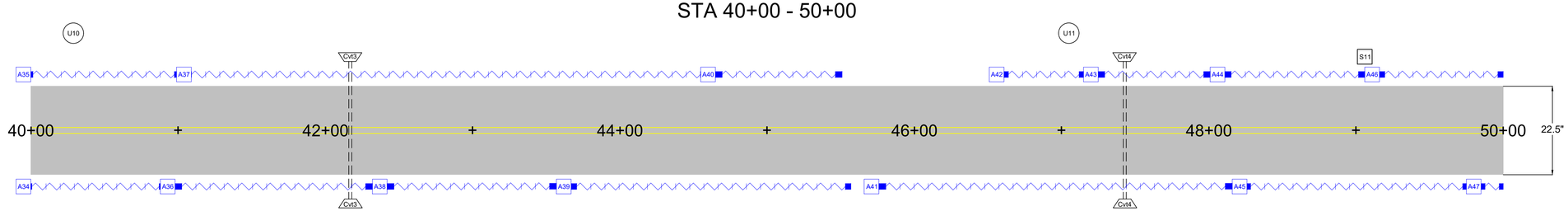
CONG-0010

ENTRANCE ROAD
(OLD BLUFF ROAD TO CONG-0403)

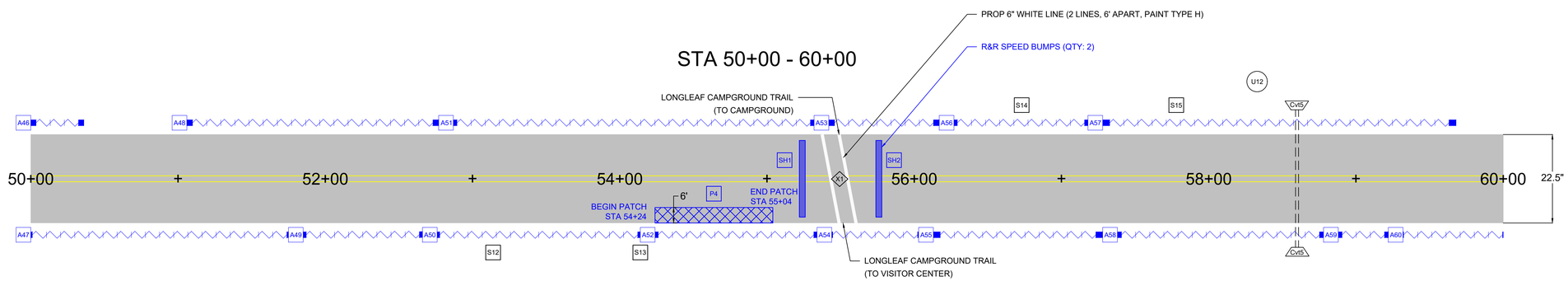
STA 30+00 - 40+00



STA 40+00 - 50+00



STA 50+00 - 60+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
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7. SEE THE ROADWAY FEATURES TABLE IN SHEET 01-C601 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SHOULDER SUPPORT

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

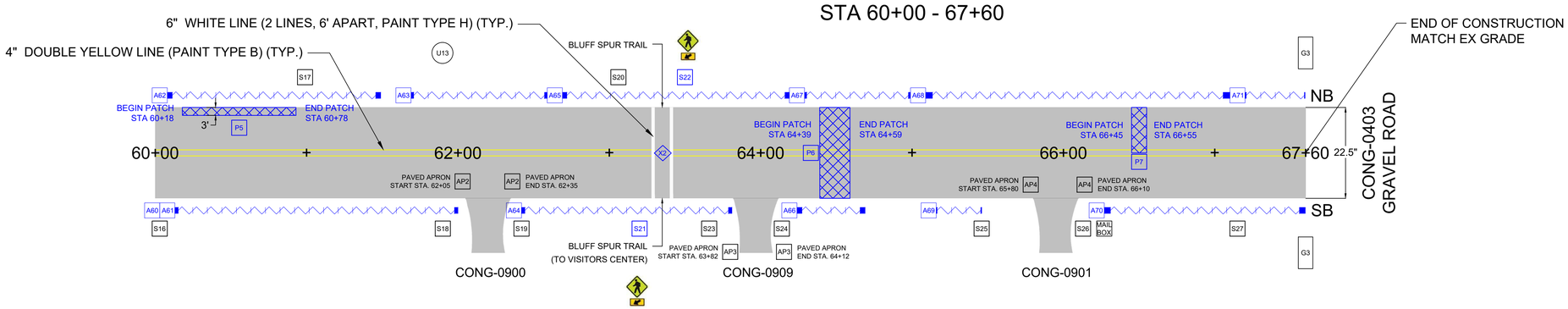
FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	01-C103	CONG-0010 ENTRANCE ROAD STRAIGHT LINE DIAGRAM 2 of 3	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	SHEET 43 OF 88
DATE: 07/26			

02-Jul-26

CONG-0010

ENTRANCE ROAD
(OLD BLUFF ROAD TO CONG-0403)
STA 60+00 - 67+60



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 01-C602 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SHOULDER SUPPORT

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 / 197,917
CADD: J. MANGOLD	01-C104	CONG-0010 ENTRANCE ROAD STRAIGHT LINE DIAGRAM 3 of 3	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	SHEET 44 OF 88
DATE: 07/26			

02-Jul-26

NOTES:

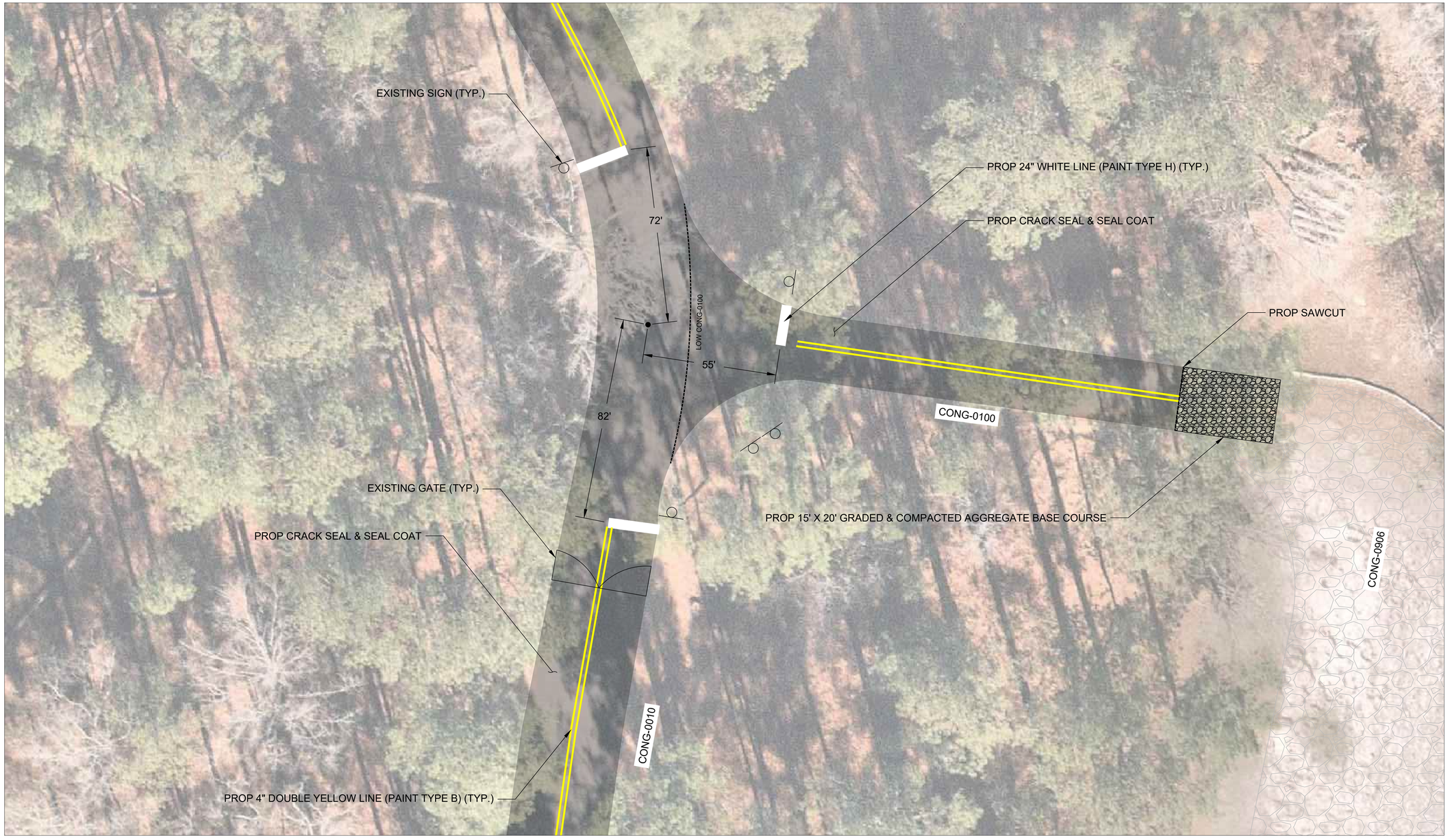
1. CONTRACTOR WILL COORDINATE WITH THE PARK ABOUT CONG-0010 PHASING AND CONSTRUCTION STAGING AREAS PRIOR TO CONSTRUCTION START.
2. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED AT THE COMPLETION OF EACH CONSTRUCTION PHASE WHERE FINAL STRIPING IS NOT IMMEDIATELY APPLIED. TEMPORARY MARKINGS SHALL MAINTAIN SAFE AND CLEARLY DEFINED PARKING STALLS, TRAFFIC FLOW, AND PEDESTRIAN CROSSINGS UNTIL FINAL STRIPING IS COMPLETED.

0 30 60 90 120

SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 01-C105	TITLE OF SHEET CONG-0900, CONG-0909 CONG-0901, CONG-0902 PARKING LOT PHASING PLANS 1 of 1 PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 45 OF 88

02-Jul-26



0 10 20 30 40
SCALE OF FEET

1/C5 CONG-0100 DETAIL
SCALE 1:10

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 01-C501	TITLE OF SHEET ROADWAY DETAILS 1 of 1 PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	DRAWING NO. 178 / 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 46 OF 88

02-Jul-26

CONG-0010
ENTRANCE ROAD
(OLD BLUFF ROAD TO CONG-0403)

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
A1	AGG SHOULDER	0+00	0+50	SB		AGGREGATE SHOULDER SUPPORT: 12"X3'
C1	CONC CURB	0+10	0+95	NB/SB	CONC CURB (MEDIAN)	
A2	AGG SHOULDER	0+20	0+50	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X6'
G1	GATE	0+50	0+50	NB/SB	SINGLE SWING GATE	
Au1	UNPAVED APRON	0+50	1+25	SB	2"X15' CRUSH AGG APRON	
Au2	UNPAVED APRON	0+70	1+45	NB	2"X15' CRUSH AGG APRON	
A3	AGG SHOULDER	1+25	2+37	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
A4	AGG SHOULDER	1+45	4+11	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
S1	SIGN	2+36	2+36	SB	SIGN: SPEED LIMIT 27 MPH (POST MOUNTED)	
T1	TRAFFIC LOOP	2+37	2+37	SB	5'X5' LOOP W/10 TOK INACTIVE	
A5	AGG SEED	2+99	6+33	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4' (MAINTAIN SWALE)
S2	SIGN	3+24	3+24	SB	SIGN:FOX SQUIRREL	
A6	AGG SHOULDER	4+11	5+01	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
A7	AGG SHOULDER	5+71	6+77	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
A8	AGG SHOULDER	6+33	8+23	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
U1	UTILITY	6+71	6+71	NB	UTILITY: FIBER BOX (6' EOP)	
A9	AGG SHOULDER	8+07	9+54	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X8'
A10	AGG SHOULDER	11+96	12+61	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
U2	UTILITY	12+28	12+28	NB	UTILITY: FIBER BOX (6' EOP)	
A11	AGG SHOULDER	12+38	13+33	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
A12	AGG SHOULDER	13+06	15+01	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X6' (MAINTAIN SWALE)
U3	UTILITY	13+93	13+93	NB	UTILITY: POWER JUNC (50' EOP)	
P1	PATCH	13+83	14+18	NB/SB	DEPRESSION	ASPHALT PAVEMENT PATCH - TYPE 1: FULL ROAD WIDTH (BOTH DIRECTIONS)
Cvt1	CULVERT	14+20	14+20	NB/SB	CULVERT	
	SHOULDER CUT	15+23	15+79	NB	ELEVATED SHOULDER	6"X10' SHOULDER CUT
P2	PATCH	15+48	15+63	NB	EDGE CRACKING	ASPHALT PAVEMENT PATCH - TYPE 1: OUTER 2'
A13	AGG SHOULDER	15+70	16+70	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
U4	UTILITY	15+70	15+70	SB	UTILITY: HI-TENSION OVERHEAD POWER LINES	
A14	AGG SHOULDER	15+79	17+09	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 1"X3'
U5	UTILITY	17+33	17+33	NB	UTILITY: FIBER BOX (11' EOP)	
A15	AGG SHOULDER	18+19	22+25	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
A16	AGG SHOULDER	18+89	20+34	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X6'
A17	AGG SHOULDER	21+94	22+73	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X6'
A18	AGG SHOULDER	22+25	23+40	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
U6	UTILITY	22+66	22+66	NB	UTILITY: FIBER BOX (7' EOP)	
A19	AGG SHOULDER	23+40	23+80	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
A20	AGG SHOULDER	24+30	25+36	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X8'
A21	AGG SHOULDER	25+36	26+51	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
S3	SIGN	25+80	25+80	SB	SIGN: STOP AHEAD	
S4	SIGN	26+10	26+10	NB	SIGN: SPEED LIMIT 27 MPH (POST MOUNTED)	
U7	UTILITY	26+15	26+15	NB	FIBER BOX (9' EOP)	
A22	AGG SHOULDER	26+17	28+96	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
A23	AGG SHOULDER	26+51	27+51	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X8'
P3	PATCH	26+91	27+46	NB	EDGE CRACKING	ASPHALT PAVEMENT PATCH - TYPE 1: OUTER 3' WIDTH (NB DIRECTION)
S5	SIGN	28+30	28+30	SB	SIGN: STOP	
S6	SIGN	28+82	28+82	NB	SIGN: PARK DIRECTION INFORMATION	
S7	SIGN	29+09	29+09	NB	SIGN: STOP	
A24	AGG SHOULDER	29+26	31+76	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X8'
G2	GATE	29+40	29+40	NB/SB	DOUBLE SWING GATE W/DNE SIGN	
S8	SIGN	29+79	29+79	SB	SIGN: SPEED LIMIT 27 MPH	
U8	UTILITY	30+02	30+02	NB	UTILITY: FIBER BOX (8' EOP)	
A25	AGG SHOULDER	30+22	31+82	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X6'
A26	AGG SHOULDER	33+70	33+90	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
A27	AGG SHOULDER	34+90	36+99	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X8'

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
A28	AGG SHOULDER	34+93	35+53	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
Cvt2	CULVERT	35+16	35+16	NB/SB	CULVERT	
A29	AGG SHOULDER	36+23	37+03	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X8' (MAINTAIN SWALE)
A30	AGG SHOULDER	36+99	37+74	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X8'
A31	AGG SHOULDER	37+03	39+89	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
U9	UTILITY	37+13	37+13	NB	FIBER BOX (10' EOP)	
S9	SIGN	37+41	37+41	SB	SIGN: CURVED RD	
A32	AGG SHOULDER	37+74	38+64	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X8'
A33	AGG SHOULDER	38+64	39+28	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X8'
S10	SIGN	39+09	39+09	NB	SIGN: SLOW DOWN FOX SQUIRREL	
A34	AGG SHOULDER	39+28	40+88	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X8'
A35	AGG SHOULDER	39+89	40+99	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X6'
U10	UTILITY	40+29	40+29	NB	UTILITY: POWER JUNC (20' EOP)	
A36	AGG SHOULDER	40+88	42+32	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 10"X6'
A37	AGG SHOULDER	40+99	44+55	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
Cvt3	CULVERT	42+17	42+17	NB/SB	CULVERT	
A38	AGG SHOULDER	42+32	43+57	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X12'
A39	AGG SHOULDER	43+57	45+57	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X8'
A40	AGG SHOULDER	44+55	45+51	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X8'
A41	AGG SHOULDER	45+76	48+16	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X8'
A42	AGG SHOULDER	46+61	47+15	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X8'
U11	UTILITY	47+05	47+05	NB	FIBER BOX (10' EOP)	
A43	AGG SHOULDER	47+15	48+01	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 10"X10' (MAINTAIN SWALE)
Cvt4	CULVERT	47+43	47+43	NB/SB	CULVERT	
A44	AGG SHOULDER	48+01	49+06	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
A45	AGG SHOULDER	48+16	49+75	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X6'
A46	AGG SHOULDER	49+06	50+36	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 8"X12'
S11	SIGN	49+06	49+06	NB	SIGN: WINDING RD	
A47	AGG SHOULDER	49+75	51+75	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X6'
A48	AGG SHOULDER	51+06	52+77	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 3"X4'
A49	AGG SHOULDER	51+75	52+66	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X10'
A50	AGG SHOULDER	52+66	54+14	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X4'
A51	AGG SHOULDER	52+77	55+32	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 8"X6'
S12	SIGN	53+14	53+14	SB	SIGN: SPEED HUMP	
S13	SIGN	54+14	54+14	SB	SIGN: TRAIL X-ING AHEAD	
A52	AGG SHOULDER	54+14	55+34	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X6'
P4	PATCH	54+24	55+04	SB	ALLIGATOR CRACK	ASPHALT PAVEMENT PATCH - TYPE 1: OUTER 6'
SH1	SPEED HUMP	55+24	55+24	NB/SB	RUBBER SPEED HUMP	R&R SPEED HUMPS
A53	AGG SHOULDER	55+32	56+17	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X4' (MAINTAIN SWALE)
A54	AGG SHOULDER	55+34	56+03	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X15'
X1	TRAIL X-ING	55+49	55+49		BLUFF TRAIL CROSSING	
SH2	SPEED HUMP	55+75	55+75	NB/SB	RUBBER SPEED HUMP	R&R SPEED HUMPS
A55	AGG SHOULDER	56+03	57+28	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X8'
A56	AGG SHOULDER	56+17	57+18	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 12"X6' (MAINTAIN SWALE)
S14	SIGN	56+73	56+73	NB	SIGN: TRAIL X-ING AHEAD	
A57	AGG SHOULDER	57+18	59+68	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X6'
A58	AGG SHOULDER	57+28	58+78	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X10' (MAINTAIN SWALE)
S15	SIGN	57+78	57+78	NB	SIGN: SPEED HUMP	
U12	UTILITY	58+33	58+33	NB	UTILITY: FIBER 15' EOP	
Cvt5	CULVERT	58+60	58+60	NB/SB	CULVERT	
A59	AGG SHOULDER	58+78	59+22	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X10'

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 01-C601	TITLE OF SHEET CONG-0010 ENTRANCE ROAD ROADWAY FEATURES TABLE 1 of 2 PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	DRAWING NO. 178 / 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 47 OF 88

02-Jul-26

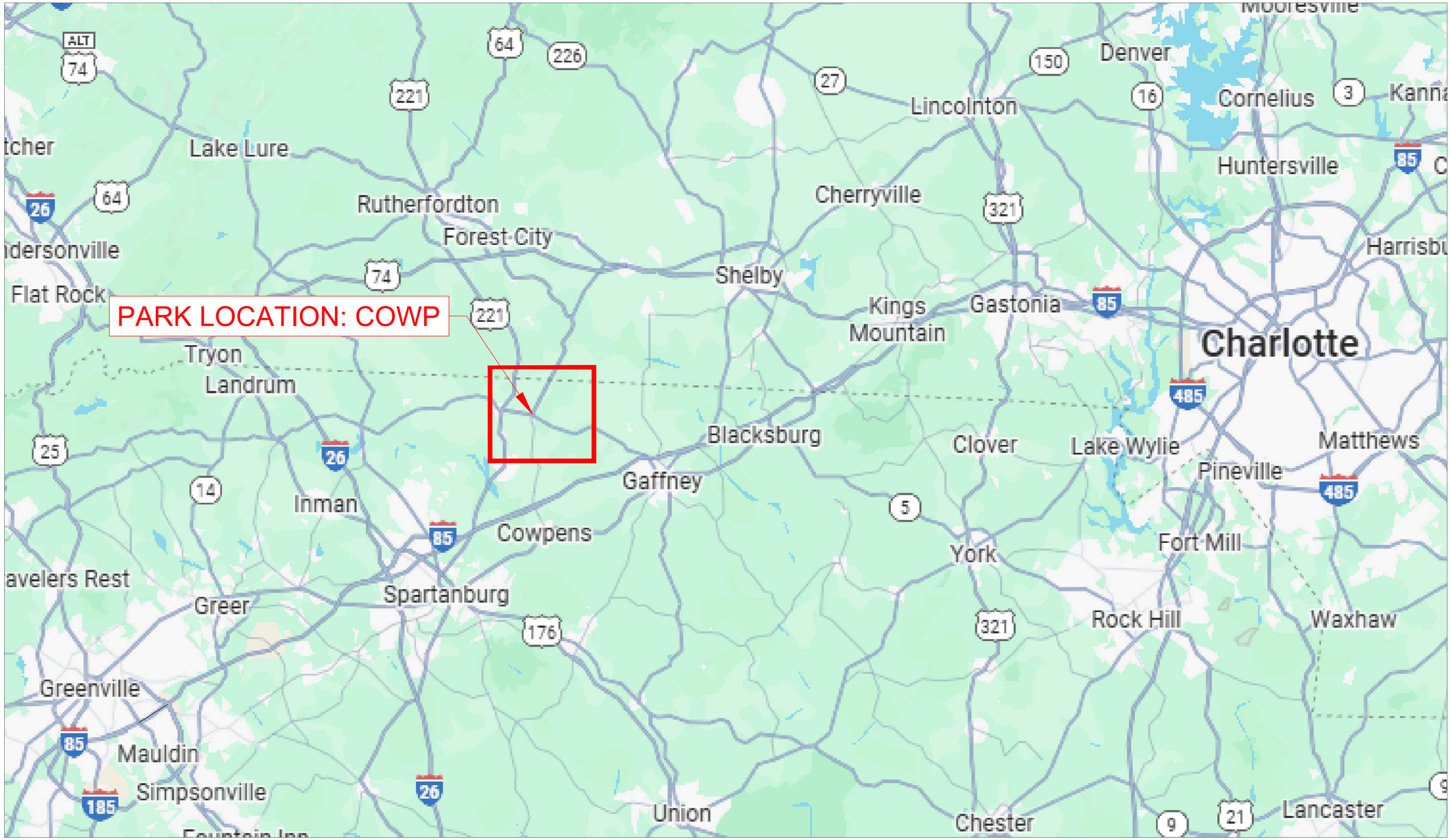
CONG-0010
ENTRANCE ROAD
(OLD BLUFF ROAD TO CONG-0403)

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
A60	AGG SHOULDER	59+22	60+03	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 12"X15'
S16	SIGN	60+03	60+03	SB	SIGN: SPEED LIMIT 15 MPH (POST MOUNTED)	
A61	AGG SHOULDER	60+03	62+00	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X12'
A62	AGG SHOULDER	60+08	61+49	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X8'
P5	PATCH	60+18	60+78	NB	ALLIGATOR CRACK	ASPHALT PAVEMENT PATCH - TYPE 1: OUTER 3'
S17	SIGN	60+99	60+99	NB	SIGN: SPEED LIMIT 27 MPH (POST MOUNTED)	
A63	AGG SHOULDER	61+59	62+59	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X4'
S18	SIGN	61+90	61+90	SB	SIGN: VISITOR CENTER PARKING	
U13	UTILITY	61+90	61+90	NB	UTILITY: 4" PVC BOLLARD (ELECTRIC)	
AP2	PAVED APRON	62+05	62+35	SB	PAVED APRON (CONG-0900)	
A64	AGG SHOULDER	62+42	63+81	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X10'
S19	SIGN	62+42	62+42	SB	SIGN: STOP	
A65	AGG SHOULDER	62+59	64+19	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X8'
S20	SIGN	63+06	63+06	NB	SIGN: BLUFF TRAIL	
S21	SIGN	63+20	63+20	SB		SIGN: PED X-ING
X2	PEDESTRIAN X-ING	63+35	63+35	NB/SB	BLUFF SPUR TRAIL CROSSING	
S22	SIGN	63+50	63+50	NB		SIGN: PED X-ING
S23	SIGN	63+66	63+66	SB	SIGN: VC PARKING	
AP3	PAVED APRON	63+82	64+12	SB	PAVED APRON (CONG-0909)	
A66	AGG SHOULDER	64+14	64+69	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X10'
S24	SIGN	64+14	64+14	SB	SIGN: STOP	
A67	AGG SHOULDER	64+19	64+99	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 3"X8'
P6	PATCH	64+39	64+59	NB/SB	ALLIGATOR CRACK	ASPHALT PAVEMENT PATCH - TYPE 1: FULL WIDTH
A68	AGG SHOULDER	64+99	67+10	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 6"X8'
A69	AGG SHOULDER	65+16	65+46	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X10'
S25	SIGN	65+46	65+46	SB	SIGN: OVERSIZED VEH PARKING	
AP4	PAVED APRON	65+80	66+10	SB	PAVED APRON (CONG-0901)	
S26	SIGN	66+13	66+13	SB	SIGN: STOP	
A70	AGG SHOULDER	66+27	67+60	SB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 4"X15'
P7	PATCH	66+45	66+55	NB	ALLIGATOR CRACK	ASPHALT PAVEMENT PATCH - TYPE 1: OUTER 12'
A71	AGG SHOULDER	67+10	67+60	NB	EDGE DROP OFF	AGGREGATE SHOULDER SUPPORT: 2"X6'
S27	SIGN	67+15	67+15	SB	SIGN: DO NOT ENTER	
G3	GATE	67+60	67+60	NB/SB	DOUBLE SWING GATE	

02-Jul-26

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 01-C602	TITLE OF SHEET CONG-0010 ENTRANCE ROAD ROADWAY FEATURES TABLE 2 of 2 PAVEMENT PRESERVATION CONGAREE NATIONAL PARK	DRAWING NO. 178 / 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 48 OF 88

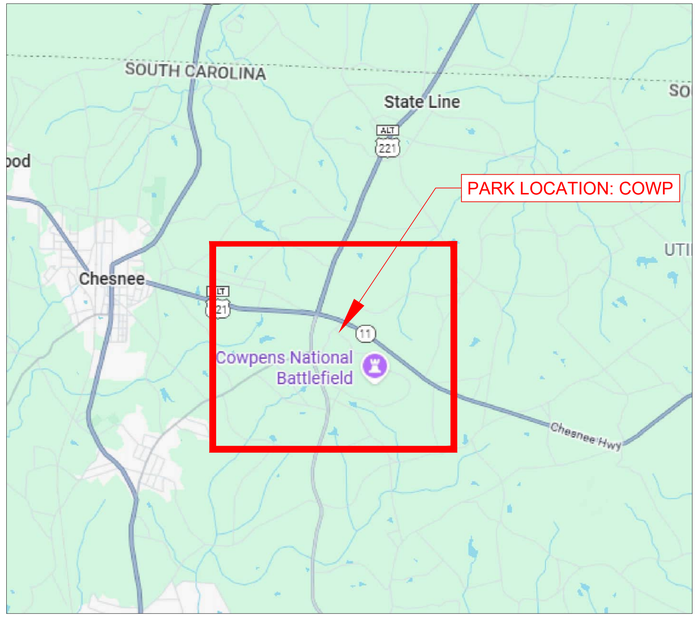


0 4 8 12 16
SCALE OF MILES

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-G101	TITLE OF SHEET COWP LOCATION MAP 1 of 3 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 49 OF 88

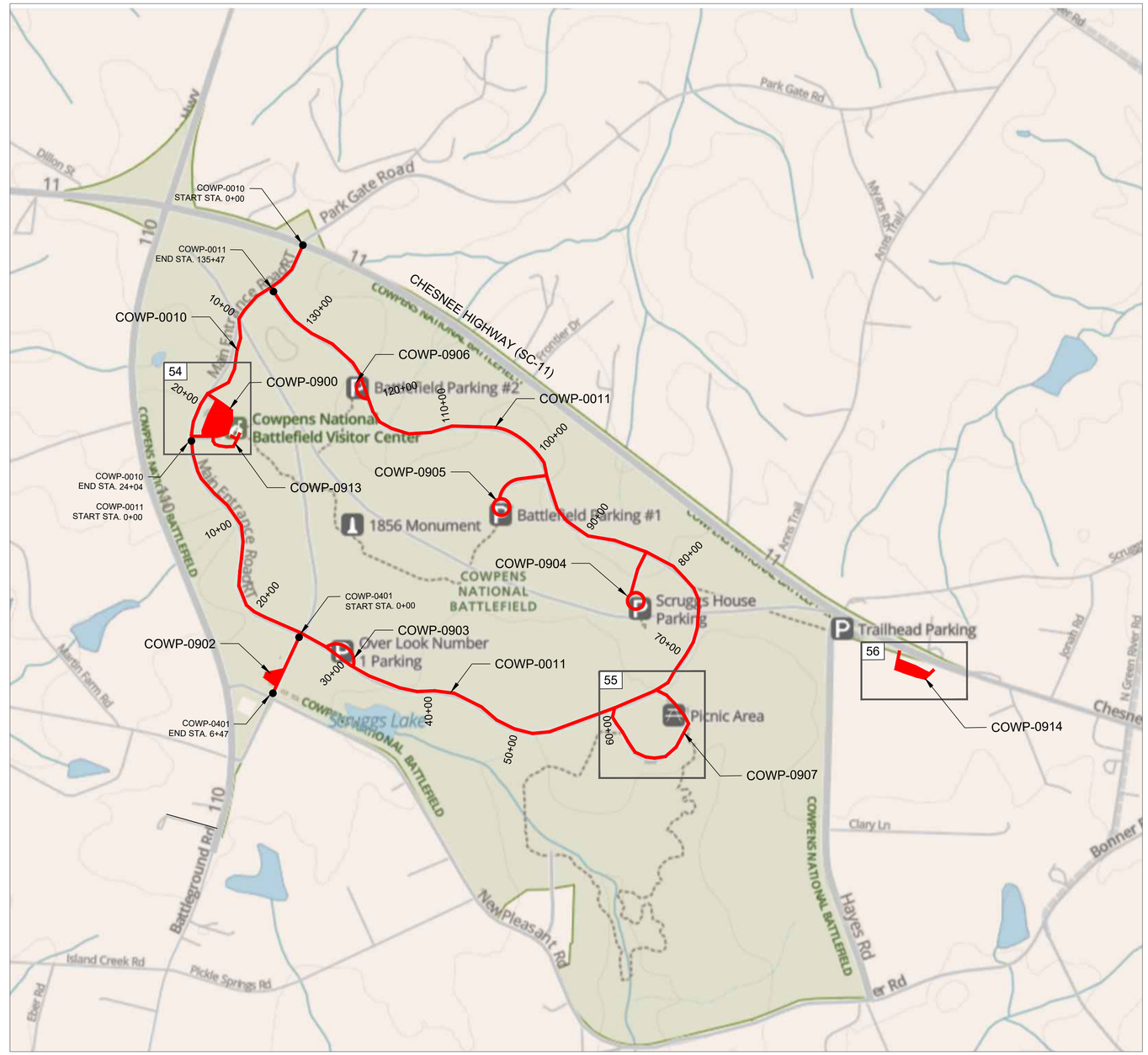
02-Jul-26

COWPENS NATIONAL BATTLEFIELD
4001 CHESNEE HIGHWAY, GAFFNEY, SC 29341



0 1 2 3 4
SCALE OF MILES

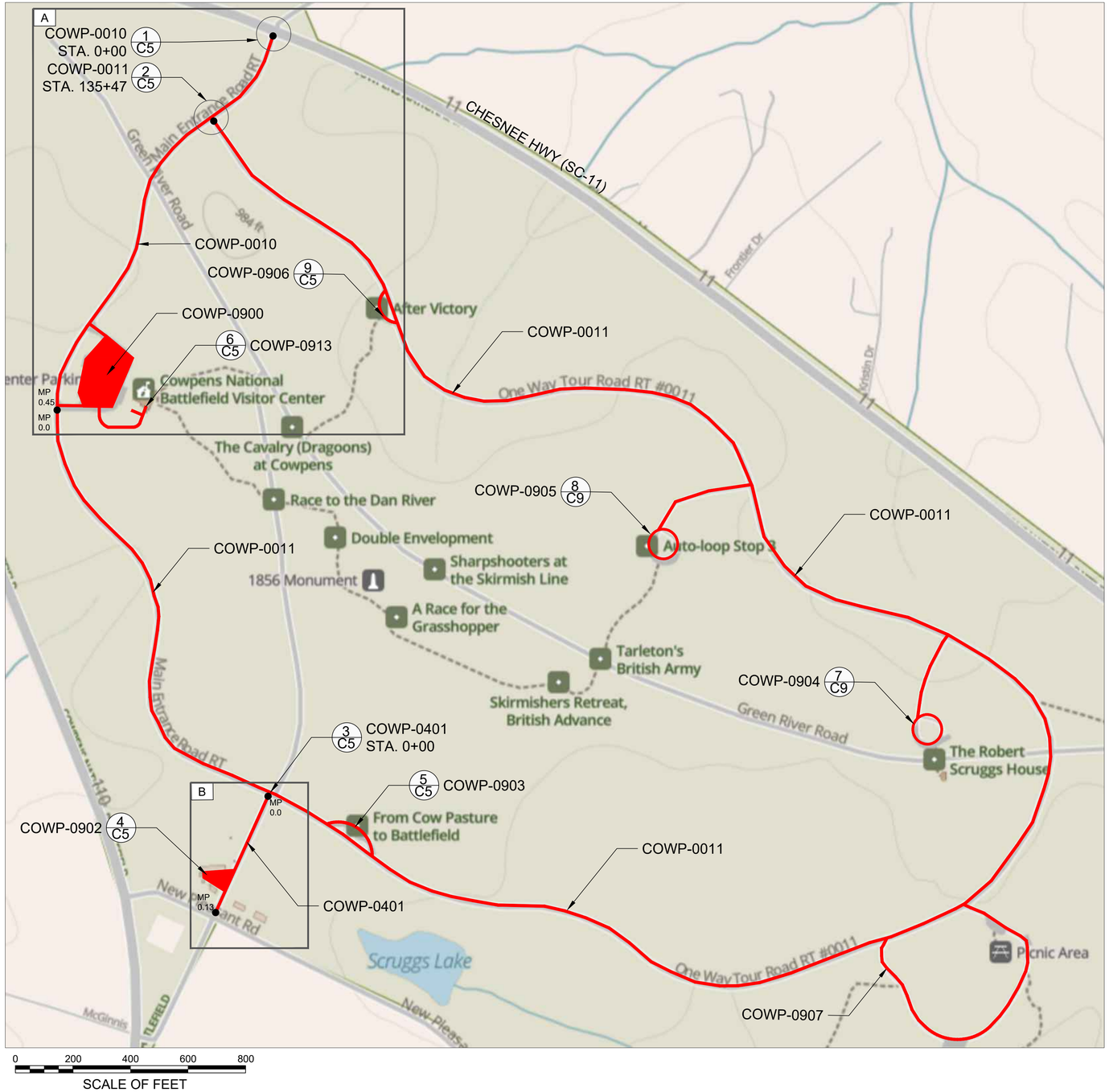
ROUTE NO.	ROUTE NAME	AREA (SF)	LENGTH (MILES)	TREATMENT RECOMMENDATION
COWP-0010	MAIN ENTRANCE ROAD		1.2500	1) RECONSTRUCTION 2) CRACK SEAL & SEAL COAT W/ LOCALIZED PATCHING
COWP-0011	TOUR ROAD		0.0200	CRACK SEAL & SEAL COAT
COWP-0401	MAINTENANCE AREA ACCESS ROAD			CRACK SEAL & SEAL COAT W/ LOCALIZED PATCHING
COWP-0900	VISITOR CENTER PARKING	63,085		CRACK SEAL & SEAL COAT
COWP-0902	MAINTENANCE AREA	13,387		CRACK SEAL & SEAL COAT
COWP-0903	OVERLOOK NO. 1 PARKING	7,001		CRACK SEAL & SEAL COAT
COWP-0904	SCRUGGS HOUSE PARKING	19,631		CRACK SEAL & SEAL COAT
COWP-0905	BATTLEFIELD PARKING NO. 1	21,623		CRACK SEAL & SEAL COAT
COWP-0906	BATTLEFIELD PARKING NO. 2	6,051		CRACK SEAL & SEAL COAT
COWP-0907	PICNIC AREA LOOP	41,114		CRACK SEAL & SEAL COAT
COWP-0913	GOV PARKING	6,303		CRACK SEAL & SEAL COAT
COWP-0914	TRAILHEAD PARKING	18,190		1) RECONSTRUCTION 2) 2" MILL & OVERLAY W/ LOCALIZED PATCHING

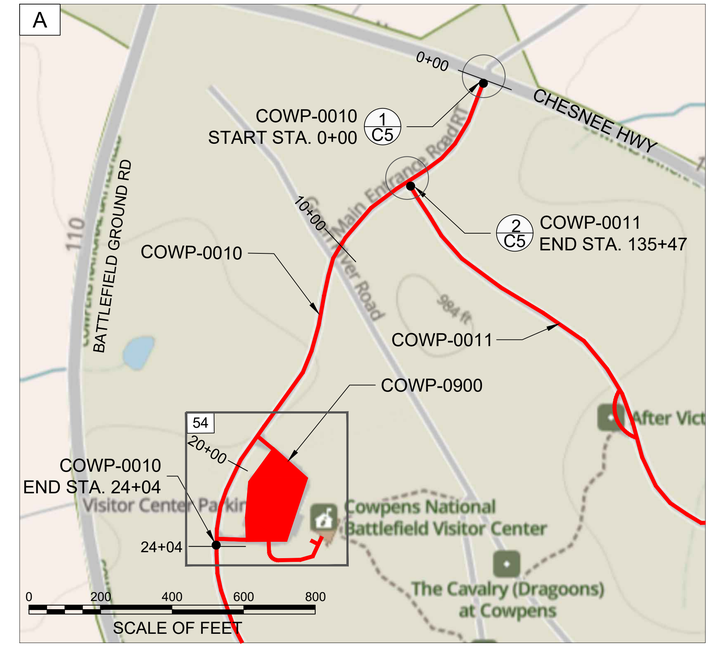


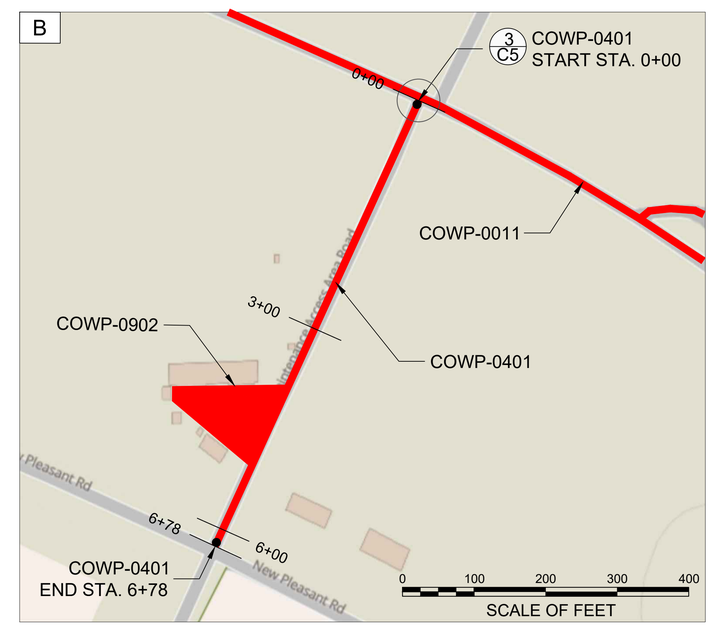
0 0.5 1 1.5 2
SCALE OF MILES

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 / 197,917
CADD: J. MANGOLD	02-G102	COWP LOCATION MAP 2 of 3	PKG. NO. 334914, 334929, 334920, 334915
TECH REVIEW: J. GOULD, E. SWEARINGEN		COWPENS NATIONAL BATTLEFIELD	SHEET 50 OF 88
DATE: 07/26			

02-Jul-26







DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-G103	TITLE OF SHEET COWP LOCATION MAP 3 of 3 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 51 OF 88

02-Jul-26

0 30 60 90 120

SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C101	TITLE OF SHEET COWP-0900 VISITOR CENTER PARKING PARKING LOT PLAN 1 of 3 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 52 OF 88

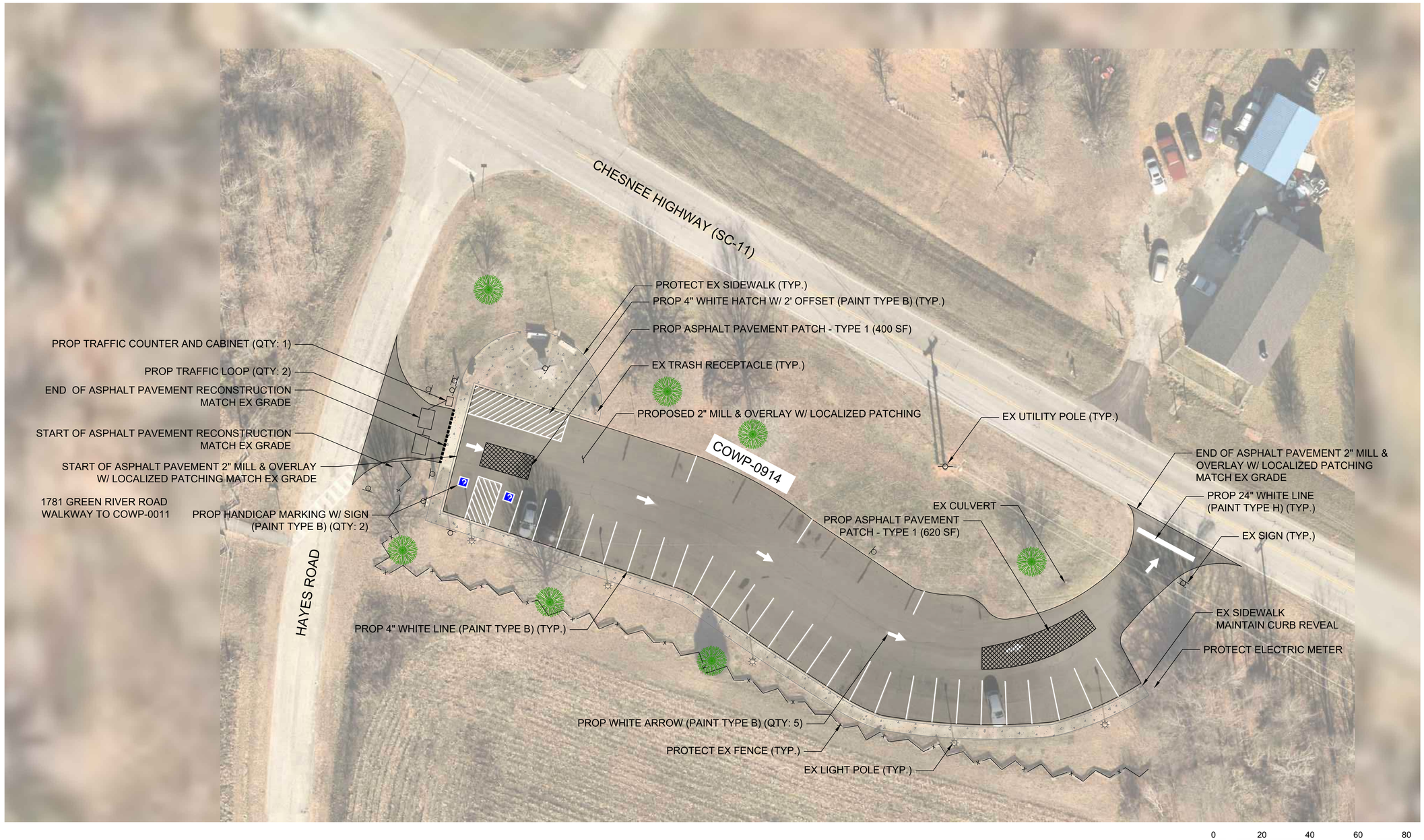
02-Jul-26

0 50 100 150 200

SCALE OF FEET

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	02-C102	COWP-0907 PICNIC AREA LOOP PARKING LOT PLAN 2 of 3	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		COWPENS NATIONAL BATTLEFIELD	SHEET 53 OF 88
DATE: 07/26			

02-Jul-26



0 20 40 60 80

SCALE OF FEET

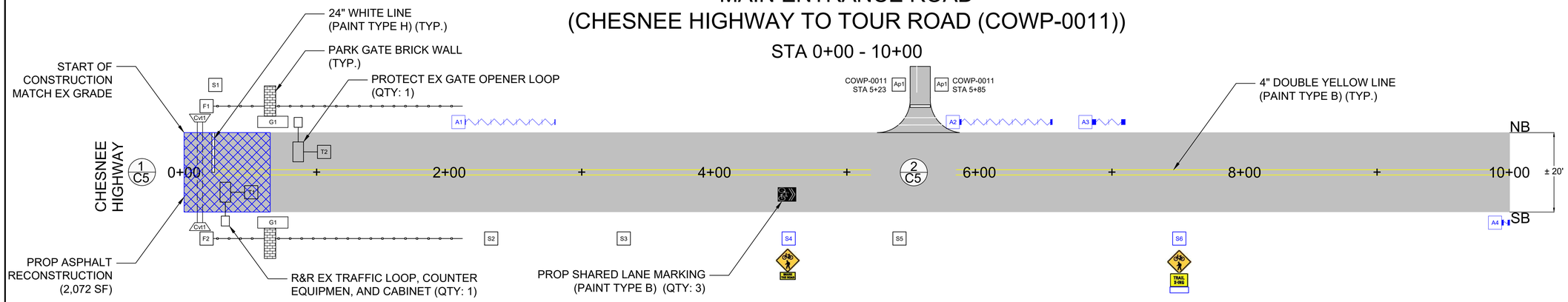
DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C103	TITLE OF SHEET COWP-0914 TRAILHEAD PARKING PARKING LOT PLAN 3 of 3 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 54 OF 88

02-Jul-26

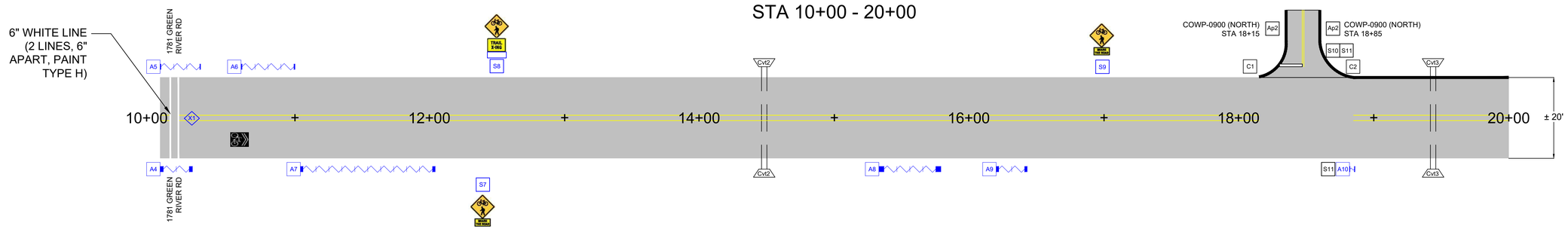
COWP-0010

MAIN ENTRANCE ROAD
(CHESNEE HIGHWAY TO TOUR ROAD (COWP-0011))

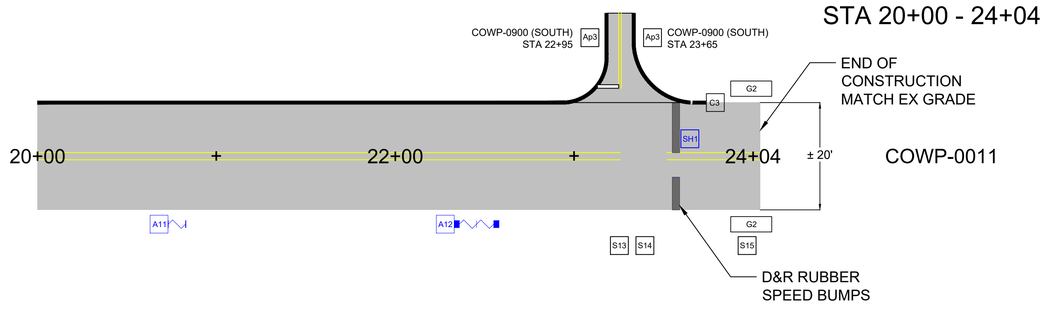
STA 0+00 - 10+00



STA 10+00 - 20+00



STA 20+00 - 24+04



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 02-C601 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO. 02-C104	TITLE OF SHEET: COWP-0010 MAIN ENTRANCE ROAD STRAIGHT LINE DIAGRAM 1 of 1	DRAWING NO. 178 / 197,917
CADD: J. MANGOLD			PKG. NO. 334914, 334929, 334920, 334915
TECH REVIEW: J. GOULD, E. SWEARINGEN			SHEET 55 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	

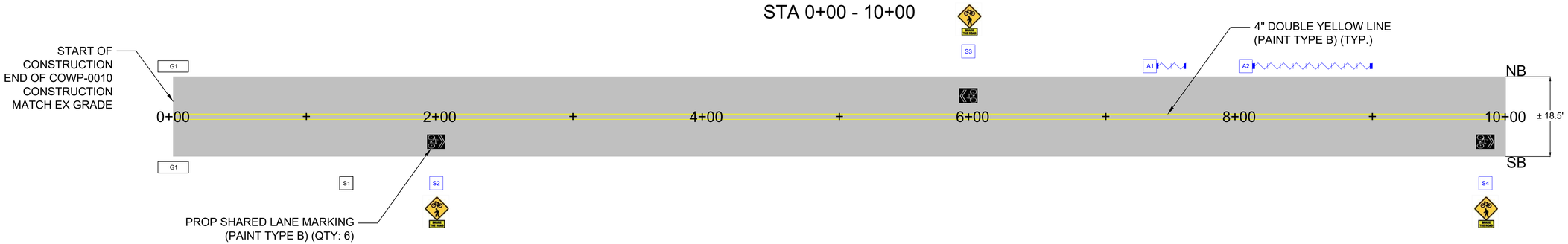
02-Jul-26

COWP-0011

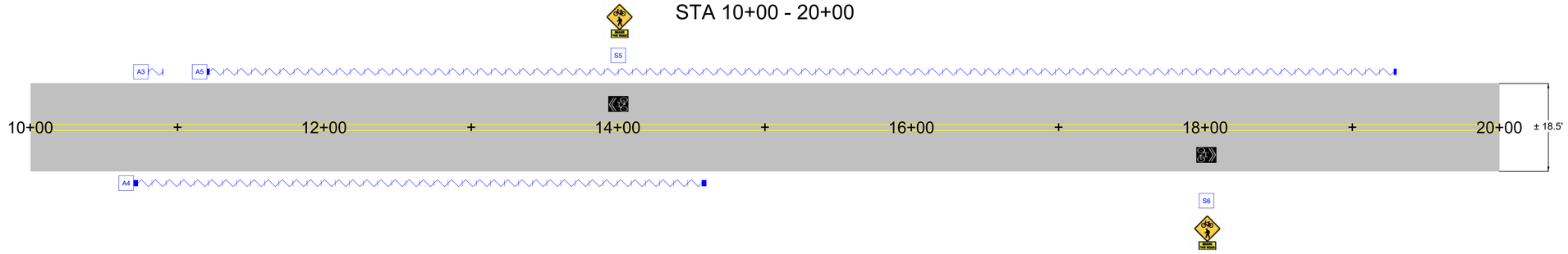
TOUR ROAD

(MAIN ENTRANCE ROAD (SOUTH) TO MAIN ENTRANCE ROAD (NORTH))

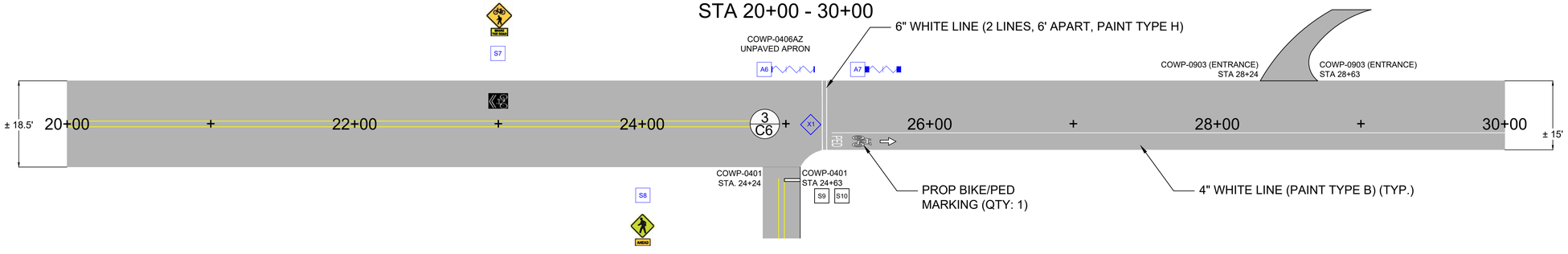
STA 0+00 - 10+00



STA 10+00 - 20+00



STA 20+00 - 30+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 02-C602 & 02-C603 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G1	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	02-C105	COWP-0011 TOUR ROAD STRAIGHT LINE DIAGRAM 1 of 5	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN			SHEET 56 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	

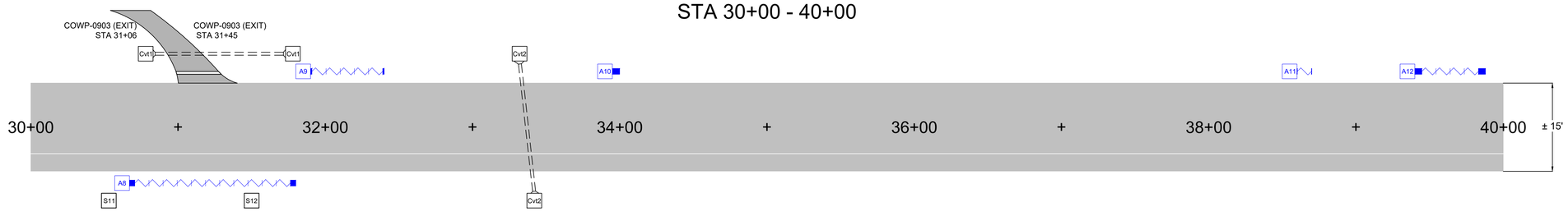
02-Jul-26

COWP-0011

TOUR ROAD

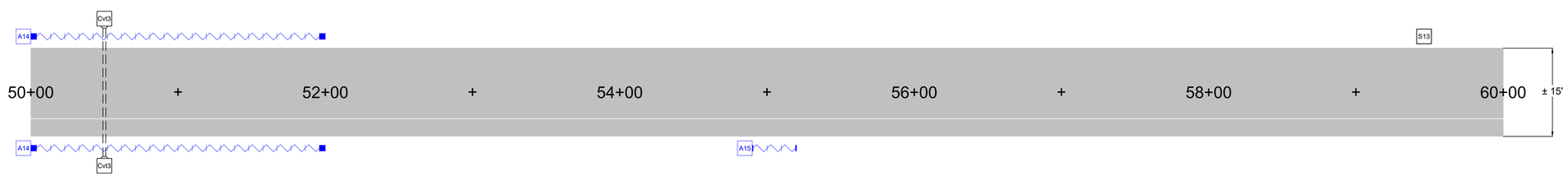
(MAIN ENTRANCE ROAD (SOUTH) TO MAIN ENTRANCE ROAD (NORTH))

STA 30+00 - 40+00



STA 40+00 - 50+00

STA 50+00 - 60+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
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7. SEE THE ROADWAY FEATURES TABLE IN SHEET 02-C602 & 02-C603 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO. 02-C106	TITLE OF SHEET COWP-0011 TOUR ROAD STRAIGHT LINE DIAGRAM 2 of 5	DRAWING NO. 178 197,917
CADD: J. MANGOLD			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN			SHEET 57 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	

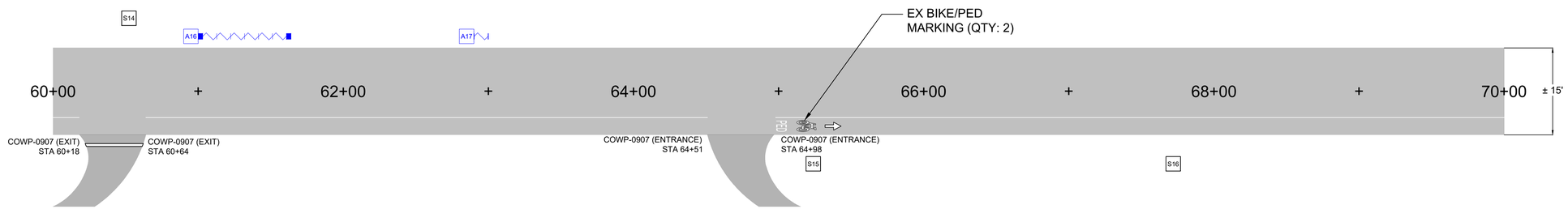
02-Jul-26

COWP-0011

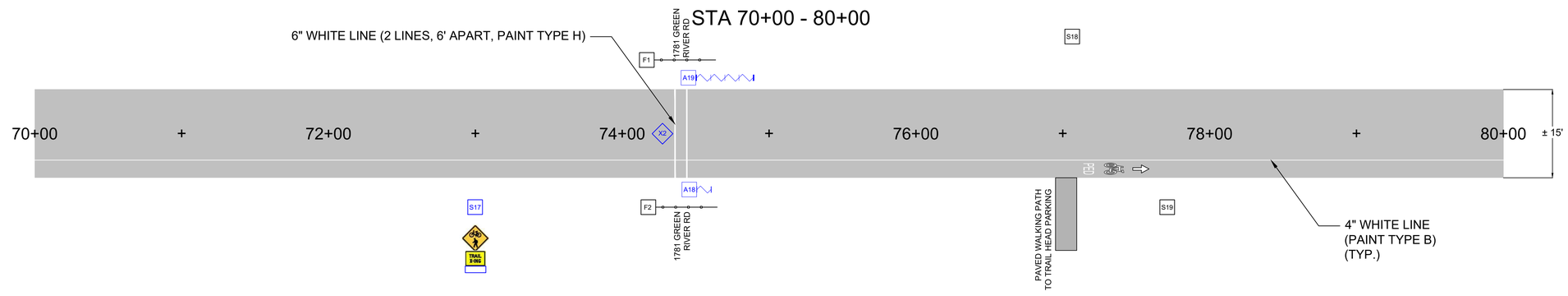
TOUR ROAD

(MAIN ENTRANCE ROAD (SOUTH) TO MAIN ENTRANCE ROAD (NORTH))

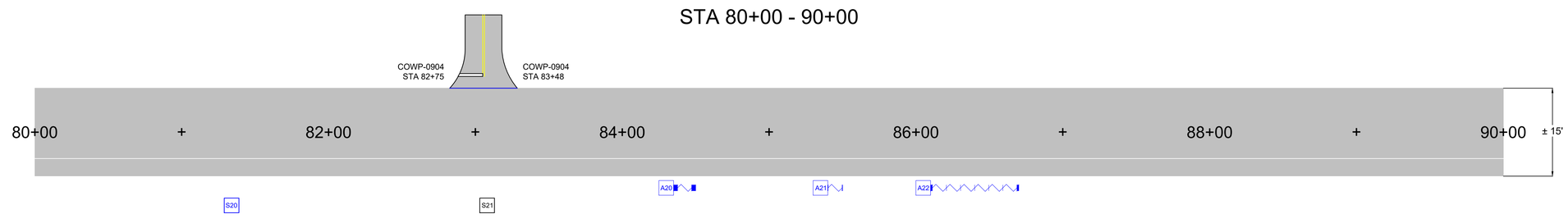
STA 60+00 - 70+00



STA 70+00 - 80+00



STA 80+00 - 90+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
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7. SEE THE ROADWAY FEATURES TABLE IN SHEET 02-C602 & 02-C603 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
SW1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 / 197,917
CADD: J. MANGOLD	02-C107	COWP-0011 TOUR ROAD STRAIGHT LINE DIAGRAM 3 of 5	PKG. NO. 334914, 334929, 334920, 334915
TECH REVIEW: J. GOULD, E. SWEARINGEN			SHEET 58 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	

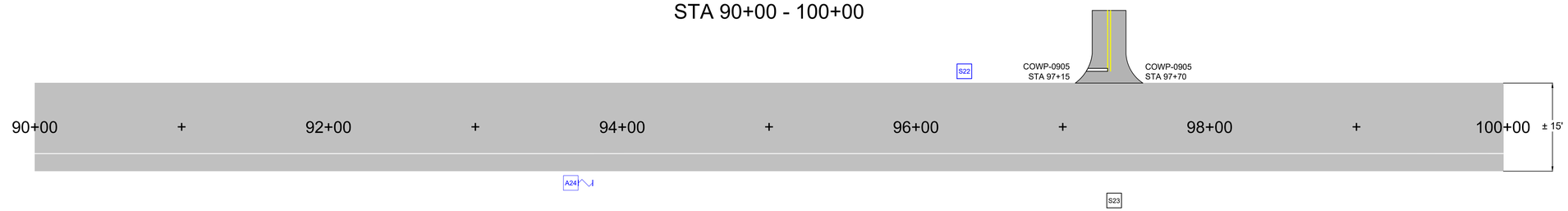
02-Jul-26

COWP-0011

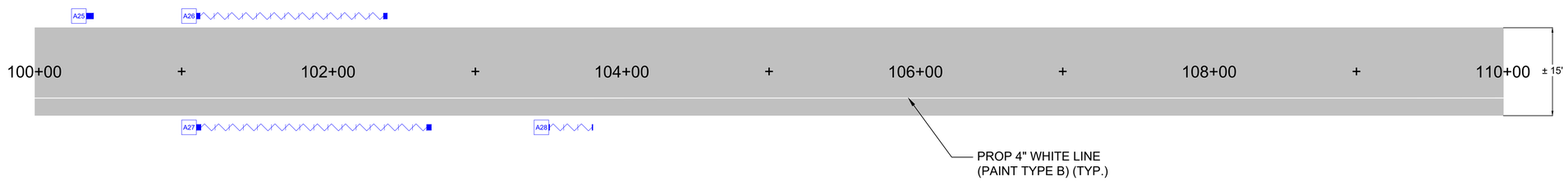
TOUR ROAD

(MAIN ENTRANCE ROAD (SOUTH) TO MAIN ENTRANCE ROAD (NORTH))

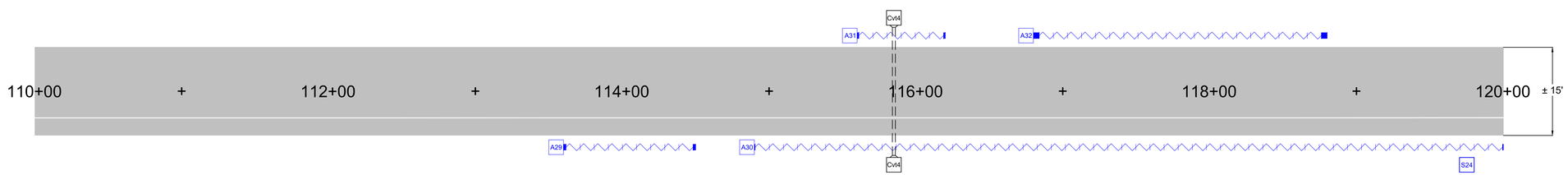
STA 90+00 - 100+00



STA 100+00 - 110+00



STA 110+00 - 120+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS S & MONUMENTS M
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
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7. SEE THE ROADWAY FEATURES TABLE IN SHEET 02-C602 & 02-C603 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO. 02-C108	TITLE OF SHEET COWP-0011 TOUR ROAD STRAIGHT LINE DIAGRAM 4 of 5	DRAWING NO. 178 197,917
CADD: J. MANGOLD			PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN			SHEET 59 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	

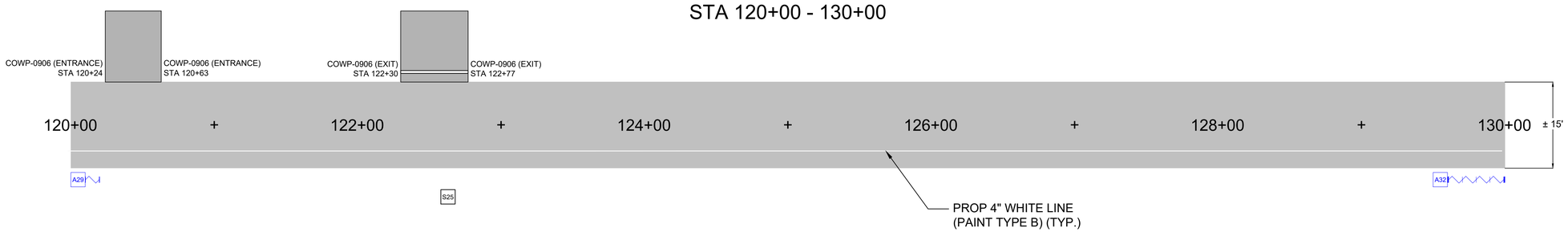
02-Jul-26

COWP-0011

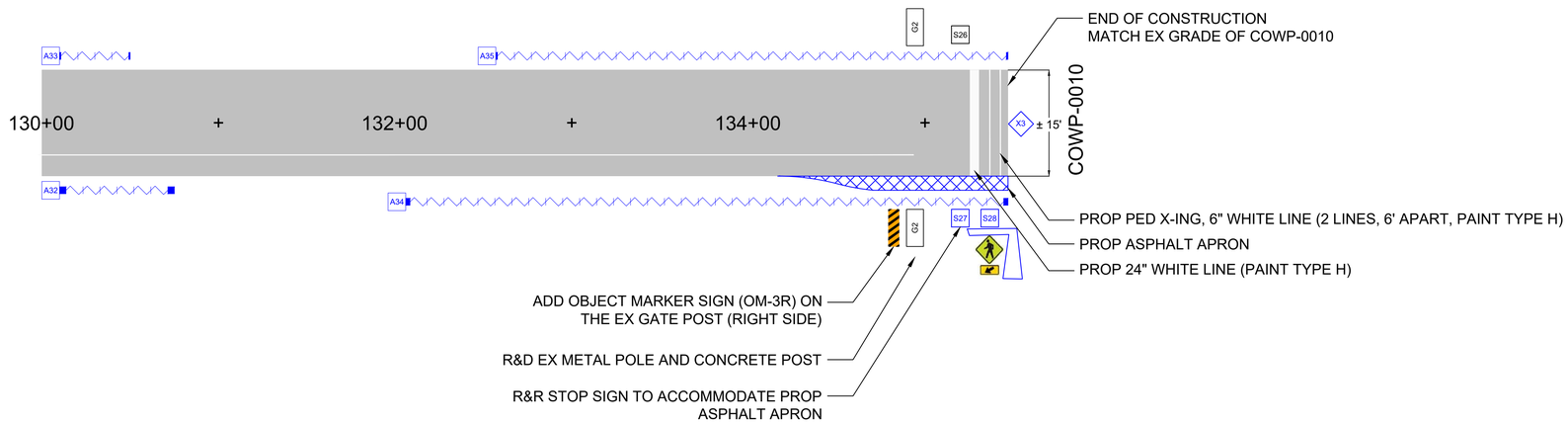
TOUR ROAD

(MAIN ENTRANCE ROAD (SOUTH) TO MAIN ENTRANCE ROAD (NORTH))

STA 120+00 - 130+00



STA 130+00 - 135+47



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
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7. SEE THE ROADWAY FEATURES TABLE IN SHEET 02-C602 & 02-C603 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

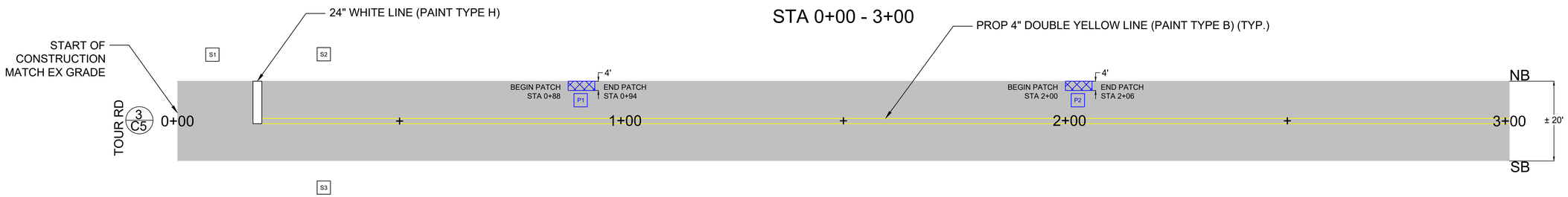
DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	02-C109	COWP-0011 TOUR ROAD STRAIGHT LINE DIAGRAM 5 of 5	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN			SHEET 60 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	

02-Jul-26

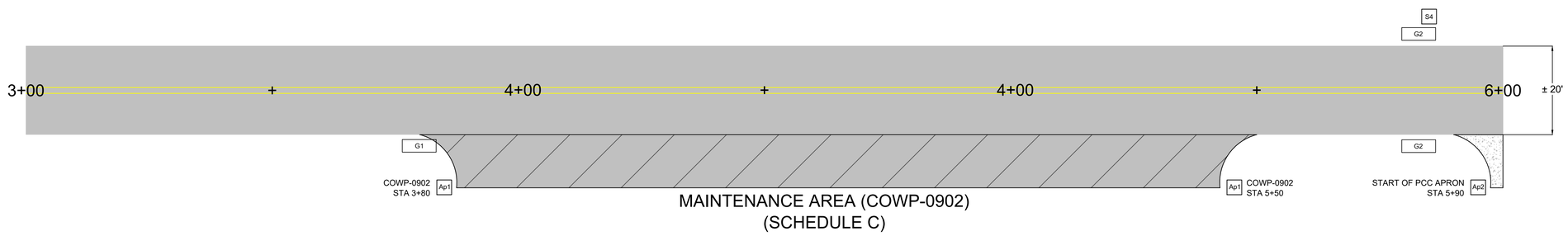
COWP-0401

MAINTENANCE AREA ACCESS ROAD
(TOUR ROAD - NEW PLEASANT ROAD)

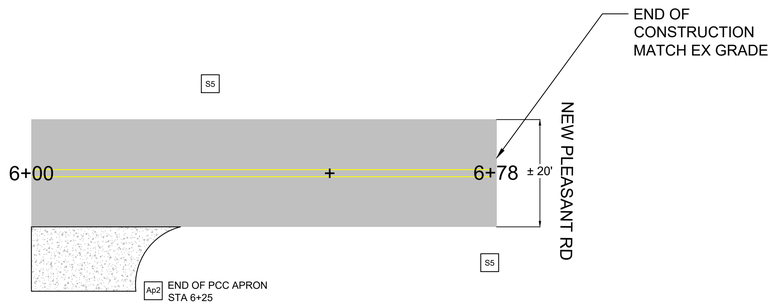
STA 0+00 - 3+00



STA 3+00 - 6+00



STA 6+00 - 6+78



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS S & MONUMENTS M
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7. SEE THE ROADWAY FEATURES TABLE IN SHEET 02-C604 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	02-C110	COWP-0401 MAINTENANCE AREA ACCESS ROAD STRAIGHT LINE DIAGRAM 1 of 1	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN			SHEET 61 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	

02-Jul-26

NOTES:

1. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED AT THE COMPLETION OF EACH CONSTRUCTION PHASE WHERE FINAL STRIPING IS NOT IMMEDIATELY APPLIED. TEMPORARY MARKINGS SHALL MAINTAIN SAFE AND CLEARLY DEFINED PARKING STALLS, TRAFFIC FLOW, AND PEDESTRIAN CROSSINGS UNTIL FINAL STRIPING IS COMPLETED.

0 30 60 90 120

SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C111	TITLE OF SHEET PHASING PLAN COWP-0900 1 of 2 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 62 OF 88

02-Jul-26

PHASE 1

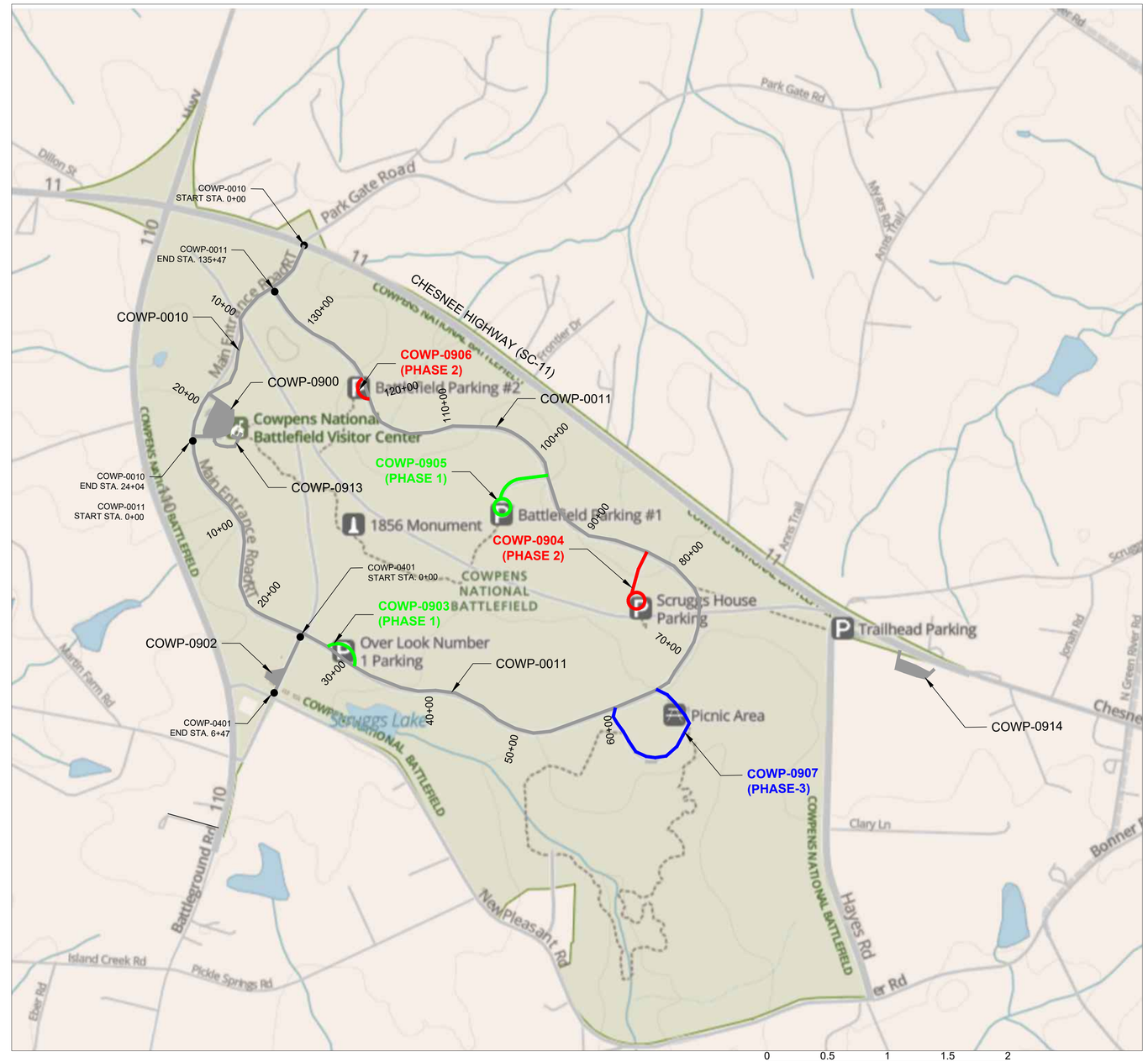
ROUTE NO.	ROUTE NAME	AREA (SF)	LENGTH (MILES)	TREATMENT RECOMMENDATION
COWP-0903	OVERLOOK NO. 1 PARKING	7,001		CRACK SEAL & SEAL COAT
COWP-0905	BATTLEFIELD PARKING NO. 1	21,623		CRACK SEAL & SEAL COAT

PHASE 2

ROUTE NO.	ROUTE NAME	AREA (SF)	LENGTH (MILES)	TREATMENT RECOMMENDATION
COWP-0904	SCRUGGS HOUSE PARKING	19,631		CRACK SEAL & SEAL COAT
COWP-0906	BATTLEFIELD PARKING NO. 2	6,051		CRACK SEAL & SEAL COAT

PHASE 3

ROUTE NO.	ROUTE NAME	AREA (SF)	LENGTH (MILES)	TREATMENT RECOMMENDATION
COWP-0907	PICNIC AREA LOOP	41,114		CRACK SEAL & SEAL COAT



0 0.5 1 1.5 2

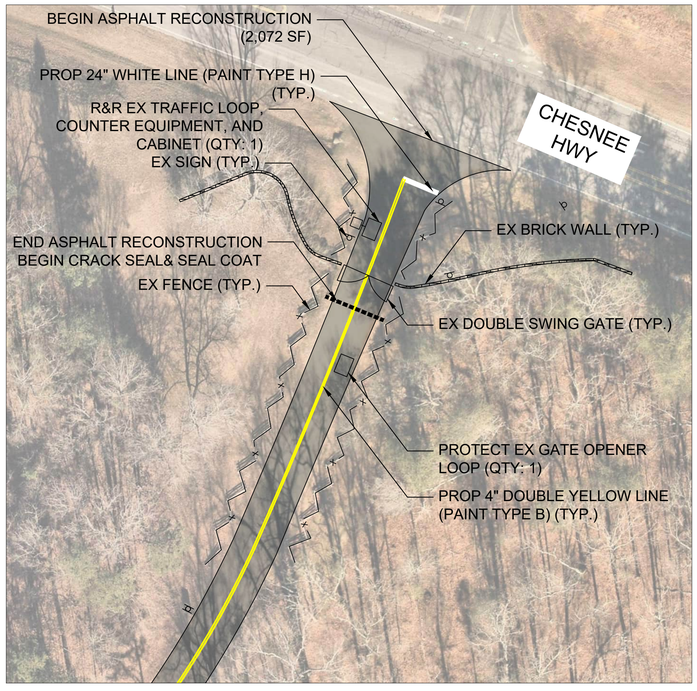
SCALE OF MILES

NOTES:

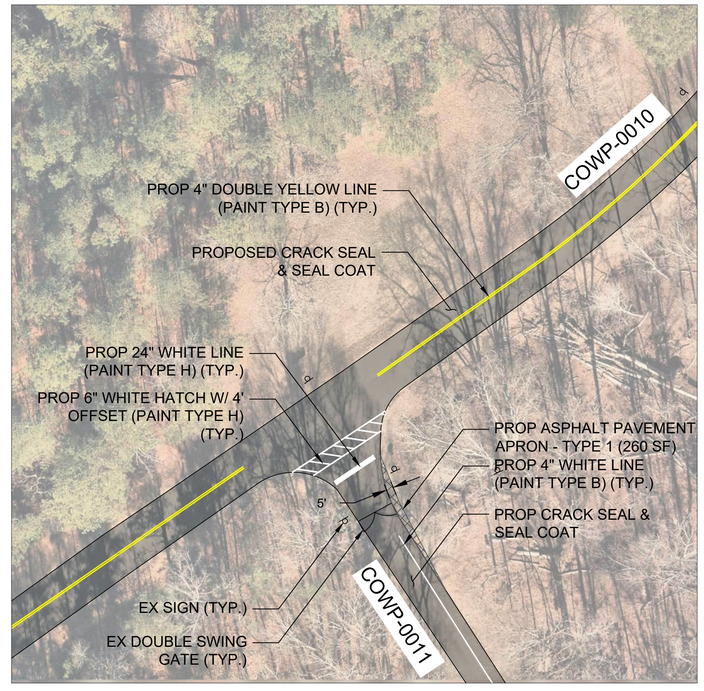
1. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED AT THE COMPLETION OF EACH CONSTRUCTION PHASE WHERE FINAL STRIPING IS NOT IMMEDIATELY APPLIED. TEMPORARY MARKINGS SHALL MAINTAIN SAFE AND CLEARLY DEFINED PARKING STALLS, TRAFFIC FLOW, AND PEDESTRIAN CROSSINGS UNTIL FINAL STRIPING IS COMPLETED.

02-Jul-26

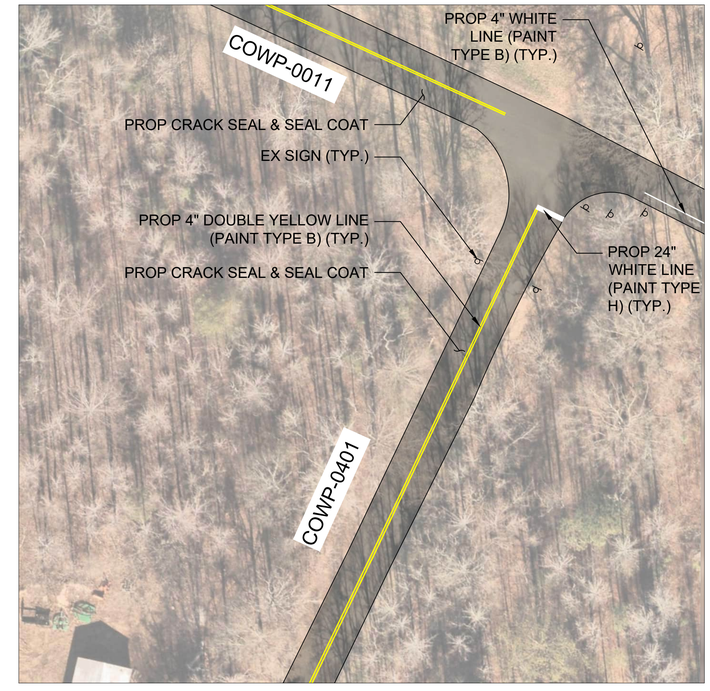
DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	02-C112	PHASING PLAN PARKING LOTS ALONG COWP-0011 2 of 2	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN			SHEET 63 OF 88
DATE: 07/26		COWPENS NATIONAL BATTLEFIELD	



1 / C5 COWP-0010 (STA 0+00) DETAIL
SCALE 1:30



2 / C5 COWP-0011 (STA 135+47) DETAIL
SCALE 1:30

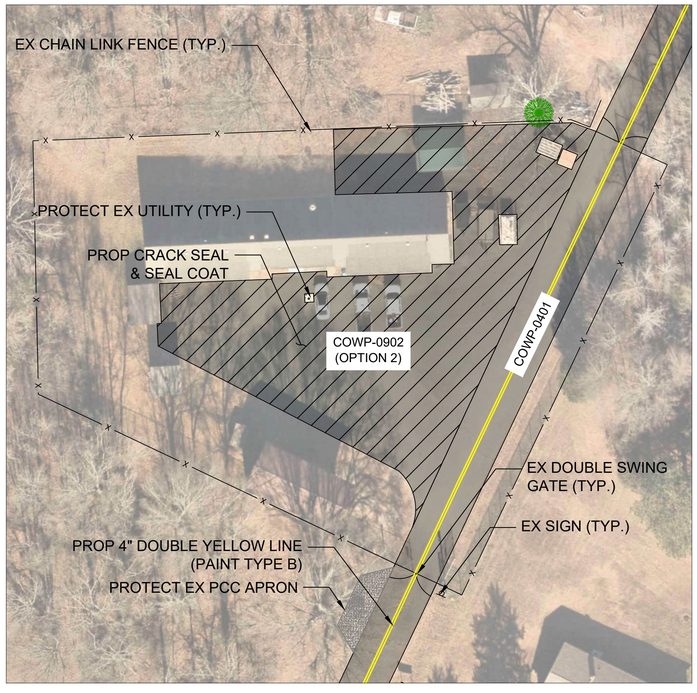


3 / C5 COWP-0401 (STA 0+00) DETAIL
SCALE 1:30

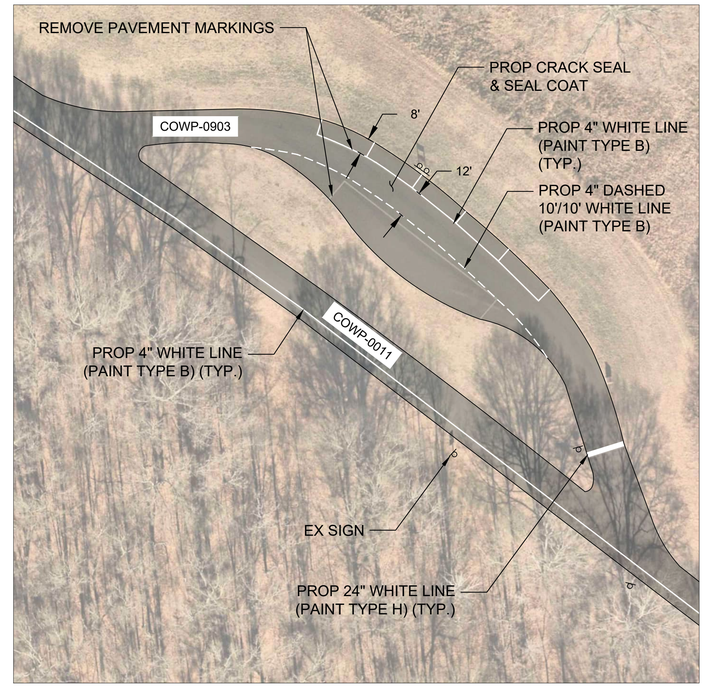
0 30 60 90 120
SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C501	TITLE OF SHEET ROADWAY / PARKING DETAILS 1 of 3 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 64 OF 88

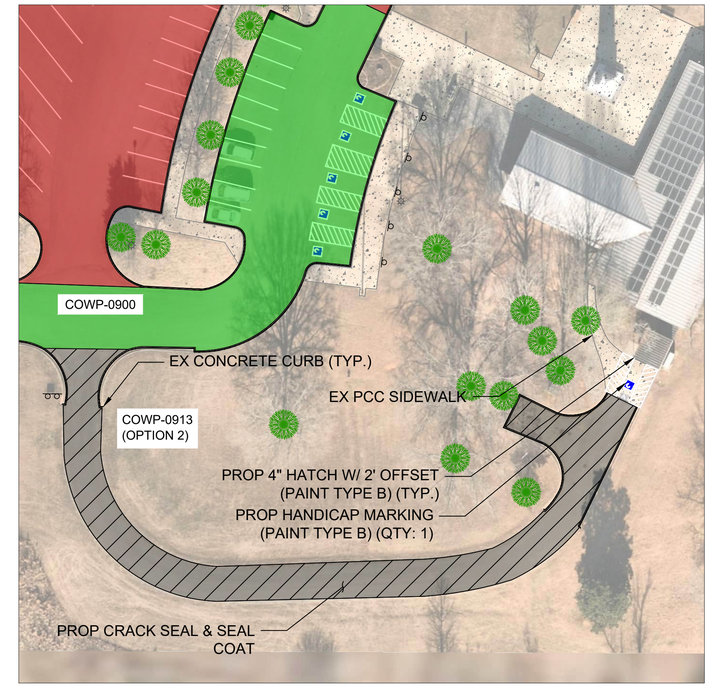
02-Jul-26



4 C5 COWP-0902 DETAIL
SCALE 1:30



5 C5 COWP-0903 DETAIL
SCALE 1:30

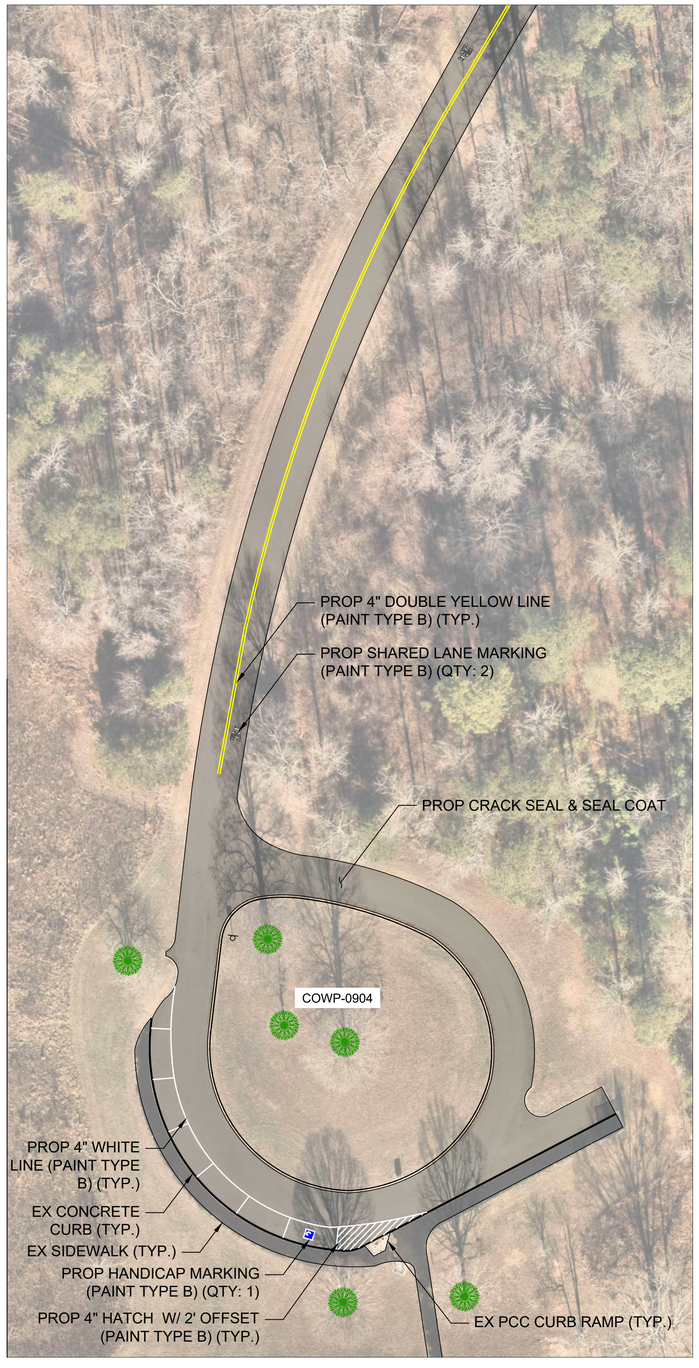


6 C5 COWP-0913 DETAIL
SCALE 1:30

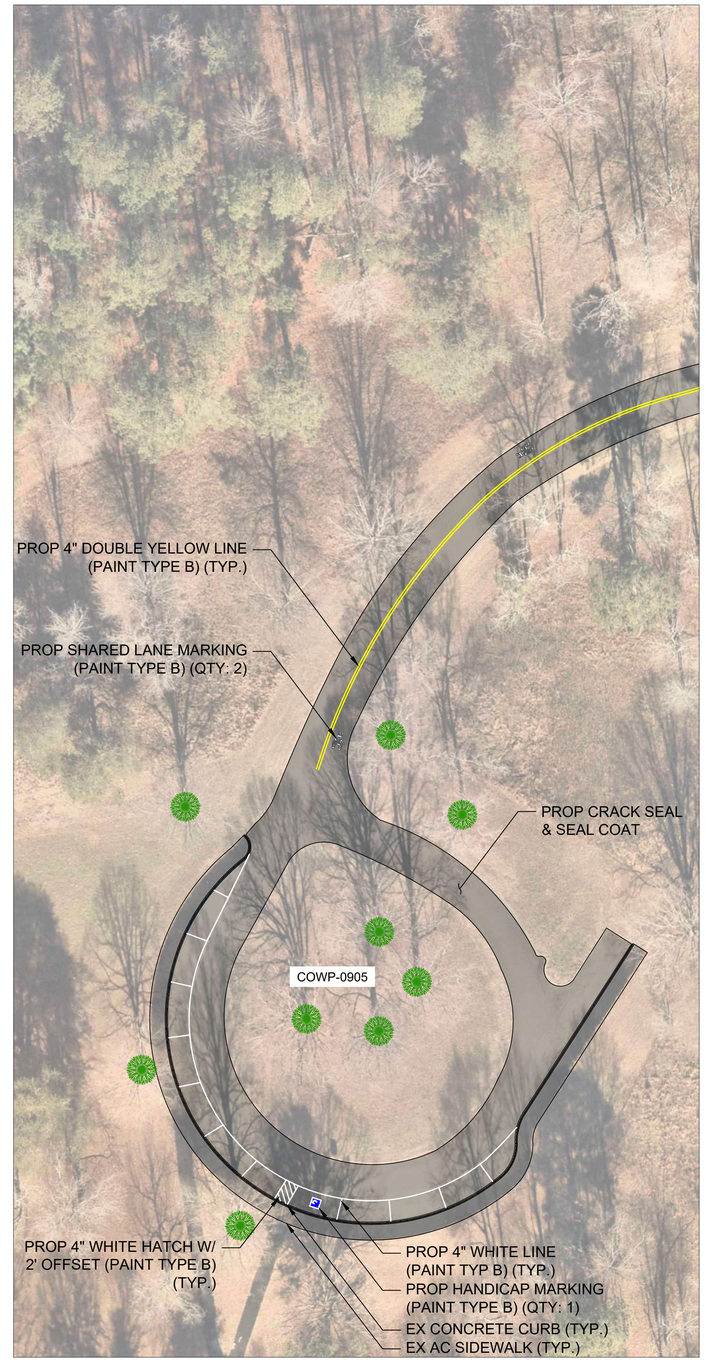
0 30 60 90 120
SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C502	TITLE OF SHEET ROADWAY / PARKING DETAILS 2 of 3 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 65 OF 88

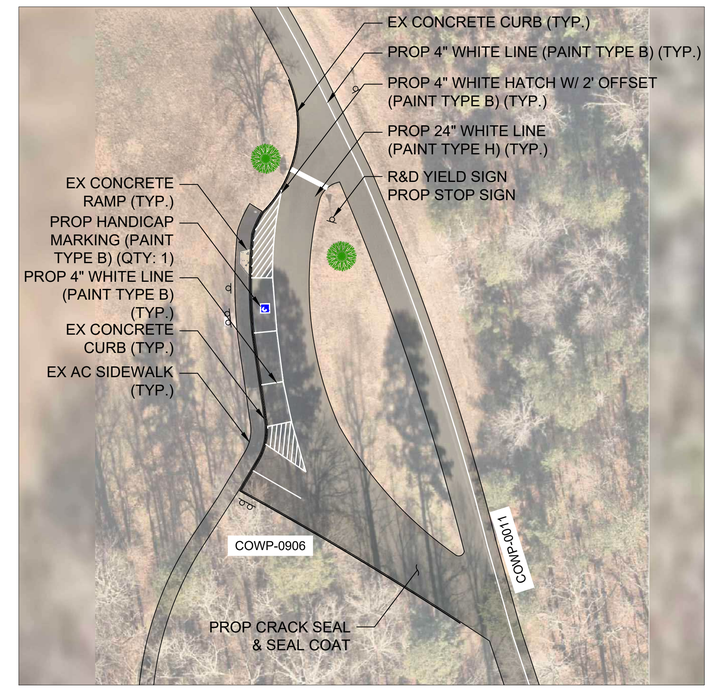
02-Jul-26



7 / C5 COWP-0904 DETAIL
SCALE 1:30



8 / C5 COWP-0905 DETAIL
SCALE 1:30



9 / C5 COWP-0906 DETAIL
SCALE 1:30

0 30 60 90 120
SCALE OF FEET

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	02-C503	ROADWAY / PARKING DETAILS 3 of 3	PKG. NO. 334914 334929 334920 334915
TECH REVIEW: J. GOULD E. SWEARINGEN		COWPENS NATIONAL BATTLEFIELD	SHEET 66 OF 88
DATE: 07/26			

02-Jul-26

COWP-0010
MAIN ENTRANCE ROAD

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
1/C5	DETAIL	0+00	0+00	NB/SB	START ROAD	
Cvt1	CULVERT	0+12	0+12	NB/SB	36" RCP CULVERT	
F1	FENCE	0+22	2+10	NB	WOODEN FENCE (GUARDRAIL BEGINS)	
F2	FENCE	0+22	2+10	SB	WOODEN FENCE (GUARDRAIL BEGINS)	
S1	SIGN	0+24	0+24	NB	SIGN: STOP	
T1	TRAFFIC LOOP	0+27	0+27	SB	TRAFFIC LOOP	R&R EX TRAFFIC LOOP, COUNTER EQUIPMENT, AND CABINET
G1	GATE	0+67	0+67	NB/SB	PARK GATE	
T2	GATE OPENER LOOP	0+70	0+70	NB	TRAFFIC LOOP	PROTECT EX GATE OPENER LOOP
A1	AGGREGATE/SEED MIX	2+12	2+80	NB		AGGREGATE/SEED MIX: 3-5"X6'
S2	SIGN	2+32	2+32	SB	SIGN: COWP WELCOME SIGN	
S3	SIGN	3+32	3+32	SB	SIGN: 25 MPH SPEEDLLIMIT| PARK CLOSED @ 5:00 PM	
S4	SIGN	4+50	4+50	SB		SIGN: SHARE THE ROAD
2/C5	DETAIL	5+38	5+52	NB	INTERSECTION WITH TOUR ROAD (COWP-0011)	
Ap1	PAVED APRON	5+23	5+85	NB	COWP-0011 INTERSECTION	
S5	SIGN	5+40	5+40	SB	SIGN: DIRECTIONAL INFORMATION	
A2	AGGREGATE/SEED MIX	5+85	6+55	NB		AGGREGATE/SEED MIX: 4-6" X 4'
A3	AGGREGATE/SEED MIX	6+85	7+10	NB		AGGREGATE/SEED MIX: 2"X3'
A4	AGGREGATE/SEED MIX	7+20	7+50	NB		AGGREGATE/SEED MIX: 1" X 1' (MINIMUM?)
S6	SIGN	7+50	7+50	SB		SIGN: TRAIL X-ING AHEAD
A5	AGGREGATE/SEED MIX	8+70	9+00	NB		AGGREGATE/SEED MIX: 2"X1' (MINIMUM?)
A6	AGGREGATE/SEED MIX	9+94	10+24	SB		AGGREGATE/SEED MIX: 3" X 4'
A7	AGGREGATE/SEED MIX	10+00	10+30	NB		AGGREGATE/SEED MIX: 4"X4'
X1	CROSSING	10+10	10+10	NB/SB		PED X-ING
A8	AGGREGATE/SEED MIX	10+60	11+00	NB		AGGREGATE/SEED MIX: 2"X2'
A9	AGGREGATE/SEED MIX	11+04	12+04	SB		AGGREGATE/SEED MIX: 2"X2'
S7	SIGN	12+40	12+40	SB		SIGN: SHARE THE ROAD

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
S8	SIGN	12+50	12+50	NB		SIGN: TRAIL X-ING AHEAD
G2	GATE	12+65	12+65	NB/SB	GATE	
Cvt2	CULVERT	14+48	14+48	SB	CORRUGATED METAL PIPE CULVERT	
S9	SIGN	15+00	15+00	NB		SIGN: SHARE THE ROAD
A10	AGGREGATE/SEED MIX	15+33	15+79	SB		AGGREGATE/SEED MIX: 3"X4'
A11	AGGREGATE/SEED MIX	16+20	16+43	SB		AGGREGATE/SEED MIX: 3"X5'
S11	SIGN	17+00	17+00	NB	SIGN: 25 MPH SPEED LIMIT	
C1	CURB	18+15	18+35	NB	CURB (VC PARKING) ENDS	
Ap2	PAVED APRON	18+15	18+85	NB	COWP-0900 NORTH ENTRANCE	
S11	SIGN	18+60	18+60	SB	SIGN: DIRECTIONAL INFORMATION	
S12	SIGN	18+65	18+65	NB	SIGN: VISITOR CENTER	
C2	CURB	18+60	23+25	NB	CURB (VC PARKING) ENDS	
A12	AGGREGATE/SEED MIX	18+82	18+86	SB	(LEFT) EDGE DROP 2"X1'	
Cvt3	CULVERT	19+44	19+44	SB	14"OBLONG CORRUGATED METAL CULVERT	CLEANING NEEDED
A13	AGGREGATE/SEED MIX	20+73	20+83	SB		AGGREGATE/SEED MIX: 3" X 3'
A14	AGGREGATE/SEED MIX	22+33	22+58	SB		AGGREGATE/SEED MIX: 2" X 1'
Ap3	PAVED APRON	22+95	23+65	NB	COWP-0900 SOUTH ENTRANCE	
S13	SIGN	23+15	23+15	SB	SIGN: SPEED BUMP AHEAD	
S14	SIGN	23+35	23+35	SB	SIGN: DIRECTIONAL INFORMATION	
C3	CURB	23+52	23+74	NB	CURB BEGINNING (VC PARKING) - 1-2" REVEALED	
SH1	SPEED HUMP	23+57	23+57	NB/SB		D&R RUBBER SPEED BUMPS
S15	SIGN	24+00	24+00	SB	SIGN: PARK INFORMATION	
G3	GATE	24+04	24+04	NB/SB	SWING GATE BETWEEN COWP-0010 AND TOWER RD	

02-Jul-26

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C601	TITLE OF SHEET COWP-0010 ROADWAY FEATURES TABLE 1 OF 1 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914, 334929, 334920, 334915 SHEET 67 OF 88

COWP-0011
TOUR ROAD

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
G1	GATE	0+00	0+00	NB/SB	SWING GATE	
S1	SIGN	1+30	1+30	SB	SIGN: 25 MPH SPEED LIMIT	
S2	SIGN	2+00	2+00	SB		SIGN: SHARE THE ROAD
S3	SIGN	6+00	6+00	NB		SIGN: SHARE THE ROAD
A1	AGGREGATE/SEED MIX	7+28	7+60	NB		AGGREGATE/SEED MIX: 3-4" X 4'
A2	AGGREGATE/SEED MIX	8+00	9+00	NB		AGGREGATE/SEED MIX: 2" X 3'
S4	SIGN	9+80	9+80	SB		SIGN: SHARE THE ROAD
A3	AGGREGATE/SEED MIX	10+70	10+90	NB		AGGREGATE/SEED MIX: 4" X 4'
A4	AGGREGATE/SEED MIX	10+60	14+60	SB		AGGREGATE/SEED MIX: 3-4" X 3'
A5	AGGREGATE/SEED MIX	11+10	14+30	NB		AGGREGATE/SEED MIX: 2" X 3'
S5	SIGN	14+00	14+00	NB		SIGN: SHARE THE ROAD
S6	SIGN	18+00	18+00	SB		SIGN: SHARE THE ROAD
S7	SIGN	23+00	23+00	NB		SIGN: SHARE THE ROAD
S8	SIGN	24+00	24+00	SB		SIGN: PED X-ING AHEAD
A6	AGGREGATE/SEED MIX	24+80	25+20	NB		AGGREGATE/SEED MIX: 3" X 6'
S9	SIGN	25+25	25+25	RIGHT	SIGN: ONE WAY	
X1	PEDESTRAIN X-ING	25+30	25+35	LEFT/RIGHT		PED X-ING
S10	SIGN	25+39	25+39	RIGHT	SIGN: PED/BIKE SHARE THE ROAD	
A7	AGGREGATE/SEED MIX	25+45	25+80	LEFT		AGGREGATE/SEED MIX: 3" X 3'
S11	SIGN	30+53	30+53	RIGHT	SIGN: TOUR ROAD CLOSES @ 4:30, NO LEFT TURN	
A8	AGGREGATE/SEED MIX	30+57	31+80	RIGHT		AGGREGATE/SEED MIX: 3" X 3'
S12	SIGN	31+50	31+50	RIGHT	SIGN: ONE WAY	
Cvt1	CULVERT	31+78	31+78	LEFT	CMP OBLONG CULVERT (ACROSS COWP-0903 EXIT)	
A9	AGGREGATE/SEED MIX	31+80	32+40	LEFT		AGGREGATE/SEED MIX: 2-5" X 4'
Cvt2	CULVERT	33+32	33+42	LEFT/RIGHT	18" CMP CULVERT	
A10	AGGREGATE/SEED MIX	33+85	34+00	LEFT		AGGREGATE/SEED MIX: 2-4" X 3'
A11	AGGREGATE/SEED MIX	38+50	38+70	LEFT		AGGREGATE/SEED MIX: 3" X 2'
A12	AGGREGATE/SEED MIX	39+30	39+88	LEFT		AGGREGATE/SEED MIX: 4" X 3'
A13	AGGREGATE/SEED MIX	43+40	43+90	RIGHT		AGGREGATE/SEED MIX: 4" X 3"(PROTECT SWALE)
A14	AGGREGATE/SEED MIX	50+00	52+00	LEFT		AGGREGATE/SEED MIX: 3" X 3'

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
A15	AGGREGATE/SEED MIX	50+00	52+00	RIGHT		AGGREGATE/SEED MIX: 3" X 3'
Cvt3	CULVERT	50+50	50+50	LEFT/RIGHT	CULVERT (24" PIPE)	
A16	AGGREGATE/SEED MIX	54+80	55+20	RIGHT		AGGREGATE/SEED MIX: 4" X 4'
S13	SIGN	59+50	59+50	LEFT	SIGN: WRONG WAY	
S14	SIGN	60+60	60+60	LEFT	SIGN: ONE WAY	
A17	AGGREGATE/SEED MIX	60+90	61+64	LEFT		AGGREGATE/SEED MIX: 2" X 2'
A18	AGGREGATE/SEED MIX	62+80	63+00	LEFT		AGGREGATE/SEED MIX: 2" X 3'
S15	SIGN	65+12	65+12	RIGHT	SIGN: PED/BIKE SHARE THE ROAD	
S16	SIGN	67+72	67+72	RIGHT	SIGN: 25 MPH SPEED LIMIT	
S17	SIGN	73+00	73+00	RIGHT		SIGN: PED X-ING AHEAD
F1	FENCE	74+30	74+60	LEFT	WOODEN FENCE	
F2	FENCE	74+30	74+60	RIGHT	WOODEN FENCE	
A19	AGGREGATE/SEED MIX	74+30	74+90	LEFT		AGGREGATE/SEED MIX: 2" X 4'
A20	AGGREGATE/SEED MIX	74+30	74+60	RIGHT		AGGREGATE/SEED MIX: 2" X 4'
X2	PEDESTRAIN X-ING	74+40	74+40	LEFT/RIGHT		PEDESTRIAN X-ING
S18	SIGN	77+10	77+10	LEFT	SIGN: DIRECTIONAL INFORMATION	
S19	SIGN	77+68	77+68	RIGHT	SIGN: PED/BIKE SHARE THE ROAD	
S20	SIGN	81+34	81+34	RIGHT	SIGN: SCRUGGS HOUSE PARKING	ADD "WRONG WAY" SIGN TO THE POST
S21	SIGN	83+08	83+08	RIGHT	SIGN: ONE WAY	
A21	AGGREGATE/SEED MIX	84+25	84+50	RIGHT		AGGREGATE/SEED MIX: 3" X 4'
A22	AGGREGATE/SEED MIX	85+30	85+50	RIGHT	(RIGHT) 3"X4' L/S	AGGREGATE/SEED MIX: 3" X 4'
A23	AGGREGATE/SEED MIX	86+00	86+70	RIGHT	(RIGHT) 2"X3' L/S	AGGREGATE/SEED MIX: 2" X 3'
A24	AGGREGATE/SEED MIX	93+60	93+80	RIGHT		AGGREGATE/SEED MIX: 3" X 4'
S22	SIGN	96+33	96+33	LEFT	SIGN: BATTLEFIELD PARKING #1	ADD "WRONG WAY" SIGN TO THE POST
S23	SIGN	97+35	97+35	RIGHT	SIGN: ONE WAY	
A25	AGGREGATE/SEED MIX	100+25	100+40	LEFT		AGGREGATE/SEED MIX: 2" X 1'
A26	AGGREGATE/SEED MIX	101+00	102+40	LEFT		AGGREGATE/SEED MIX: 2" X 2'
A27	AGGREGATE/SEED MIX	101+00	102+70	RIGHT		AGGREGATE/SEED MIX: 2-3" X 3'
A28	AGGREGATE/SEED MIX	103+40	103+80	RIGHT		AGGREGATE/SEED MIX: 2-3" X 3'

02-Jul-26

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD, E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C602	TITLE OF SHEET COWP-0011 ROADWAY FEATURES TABLE 1 OF 2 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 68 OF 88

COWP-0011
TOUR ROAD

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
A29	AGGREGATE/SEED MIX	113+50	114+50	RIGHT		AGGREGATE/SEED MIX: 2-3" X 3'
A30	AGGREGATE/SEED MIX	114+80	120+20	RIGHT		AGGREGATE/SEED MIX: 3-4" X 4'
A31	AGGREGATE/SEED MIX	115+50	116+20	LEFT		AGGREGATE/SEED MIX: 3" X 3'
Cvt4	CULVERT	115+85	115+85	LEFT/RIGHT	CULVERT	
A32	AGGREGATE/SEED MIX	116+70	118+80	LEFT		AGGREGATE/SEED MIX: 4" X 3'
S24	SIGN	119+76	119+76	RIGHT	SIGN: BATTLEFIELD PARKING #2	ADD "WRONG WAY" SIGN TO THE POST
S25	SIGN	122+63	122+63	RIGHT	SIGN: ONE WAY	
A33	AGGREGATE/SEED MIX	129+50	130+75	RIGHT		AGGREGATE/SEED MIX: 3-4" X 4'
A34	AGGREGATE/SEED MIX	130+00	130+50	LEFT		AGGREGATE/SEED MIX: 3" X 3'
A35	AGGREGATE/SEED MIX	131+96	135+47	RIGHT		AGGREGATE/SEED MIX: 3-8: X 4-6"
A36	AGGREGATE/SEED MIX	133+00	135+47	LEFT		AGGREGATE/SEED MIX: 3-8: X 4-6"
G2	GATE	134+95	134+95	LEFT/RIGHT	TOUR ROAD SWING GATE	ADD OBJECT MARKER SIGN (OM-3R) ON THE EX GATE POST (RIGHT SIDE)
S26	SIGN	135+40	135+40	LEFT	SIGN: DO NOT ENTER	
S27	SIGN	135+20	135+20	RIGHT	SIGN: STOP	R&R TO NEW LOCATION
	STRIPING	135+28	135+28		STOP BAR (THERMO)	
S28	SIGN	135+44	135+44	RIGHT		SIGN: PED X-ING WITH ARROW
X3	PEDESTRAIN X-ING	135+45	135+45	LEFT/RIGHT	PED X-ING	

02-Jul-26

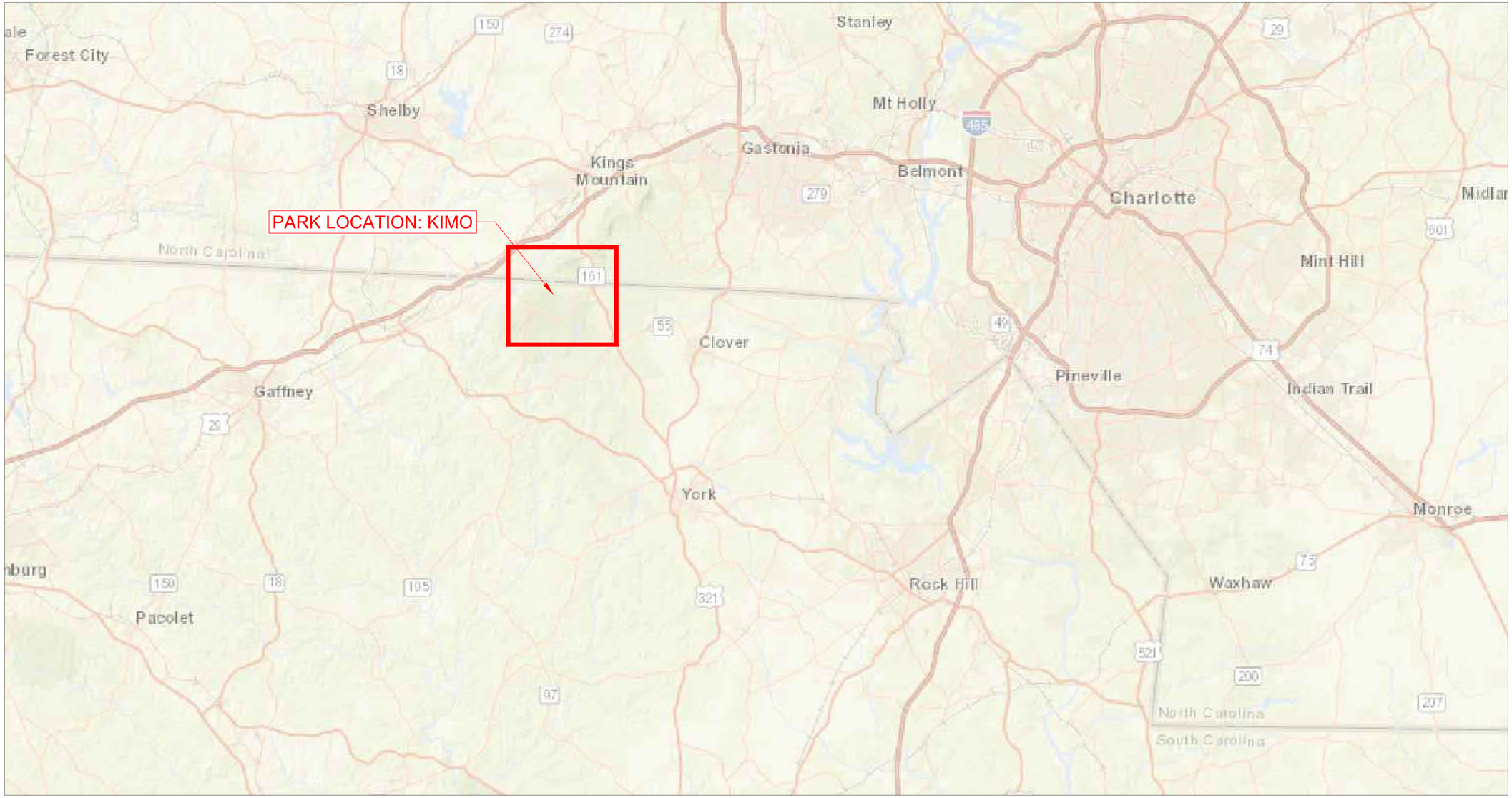
DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD E. SWEARINGEN DATE: 07/26	SUB SHEET NO. 02-C603	TITLE OF SHEET COWP-0011 ROADWAY FEATURES TABLE 2 OF 2 COWPENS NATIONAL BATTLEFIELD	DRAWING NO. 178 197,917 PKG. NO. 334914 334929 334920 334915 SHEET 69 OF 88

COWP-0401
MAINTENANCE AREA ACCESS ROAD

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA.	END STA.	DIRECTION	EXISTING FEATURE	PROPOSED WORK
3/C5	DETAIL	0+00	0+00	NB/SB	START OF COWP-0401, INTERSECTION WITH TOUR ROAD (COWP-0011)	
S1	SIGN	0+08	0+08	NB	SIGN: STOP	
S2	SIGN	0+35	0+35	NB	SIGN: DO NOT ENTER	
S3	SIGN	0+35	0+35	NB	SIGN: PARK VEHICLES ONLY	
P1	PATCH	0+88	0+88	NB	TREE ROOT HEAVE ON THE LEFT EDGE	ASPHALT PAVEMENT PATCH - TYPE 1: 4' X 6' PATCH
P2	PATCH	2+00	2+06	NB	TREE ROOT HEAVE ON THE LEFT EDGE	ASPHALT PAVEMENT PATCH - TYPE 1: 4' X 6' PATCH
G1	GATE	3+80	3+80	NB/SB	GATE	
Ap1	PAVED APRON	3+80	3+80	SB	ENTRANCE FOR MAINTENANCE AREA (COWP-0902)	
G2	GATE	5+83	5+83	NB/SB	GATE	
S4	SIGN	5+85	5+85	NB	SIGN: DO NOT ENTER	
Ap2	PAVED APRON	5+90	6+25	SB	CONCRETE APRON FOR DUMP BIN (3 SLABS)	
S5	SIGN	6+30	6+30	NB	SIGN: MAINTENACE YARD	
S6	SIGN	6+77	6+77	SB	SIGN: STOP SIGN	
		6+78	6+78	NB/SB	END OF COWP-0401, INTERSECTION WITH NEW PLEASANT RD	

KINGS MOUNTAIN NATIONAL MILITARY PARK
2625 PARK ROAD, BLACKSBURG, SC 29702

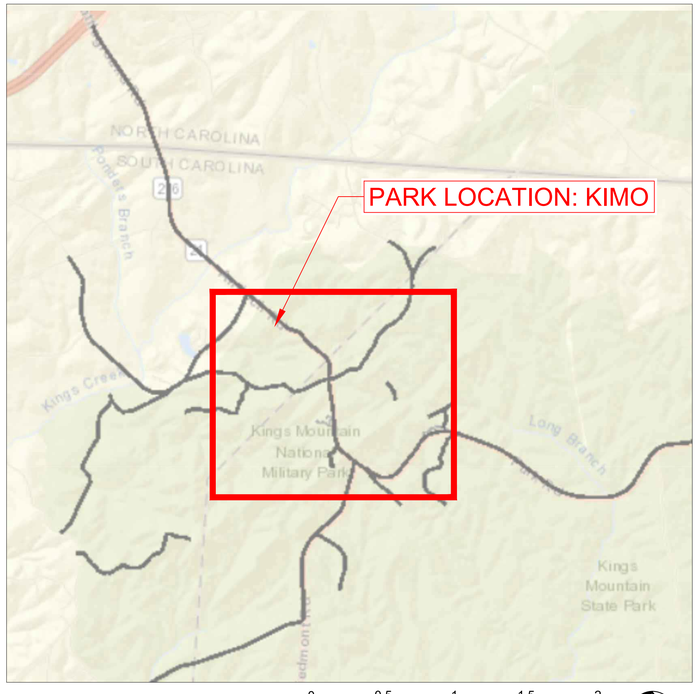


0 2 4 6 8
SCALE OF MILES

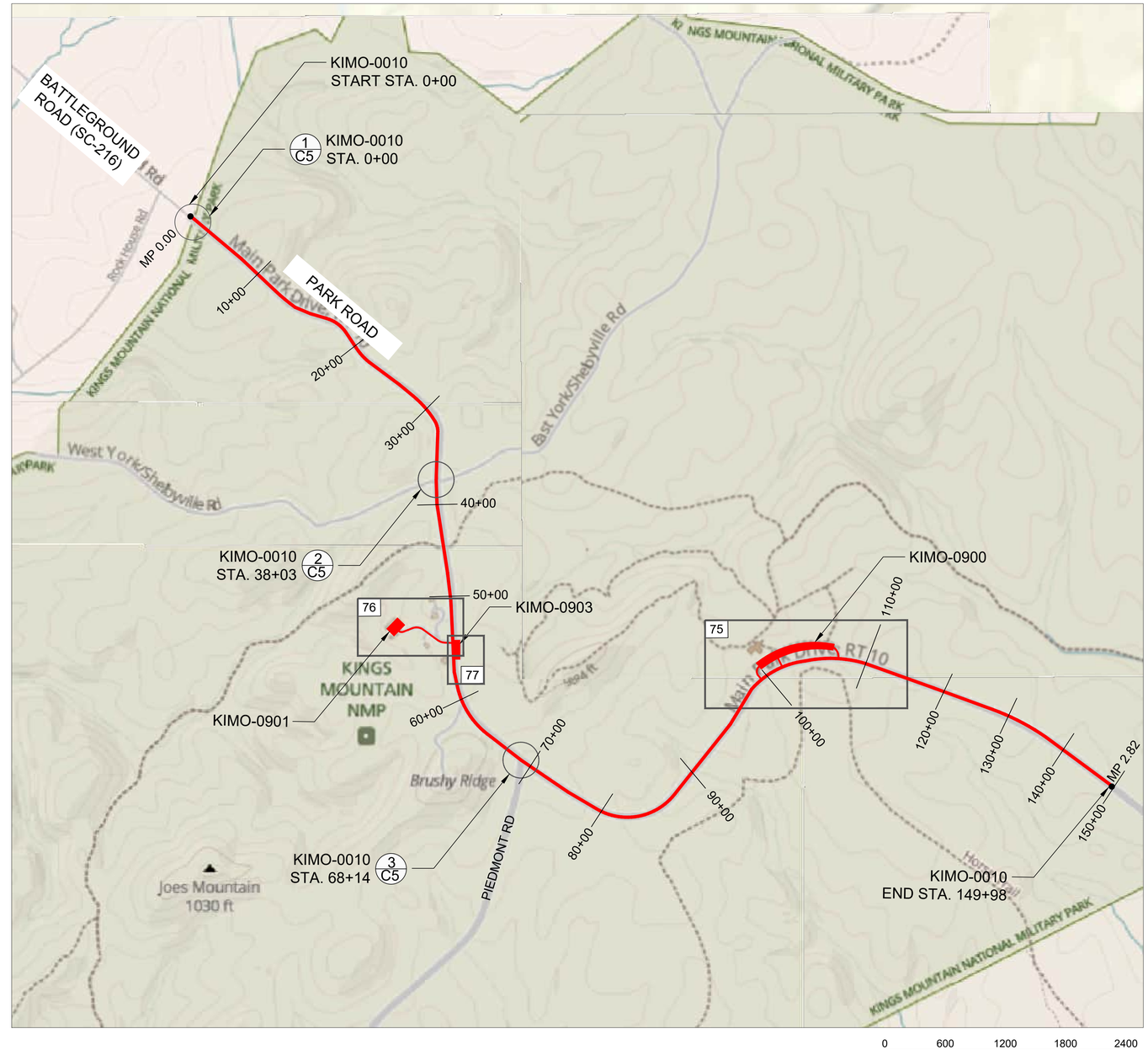
DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 03-G101	TITLE OF SHEET KIMO LOCATION MAP 1 of 2 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 / 197,917 PKG. NO. 334920 SHEET 71 OF 88

02-Jul-26

KINGS MOUNTAIN NATIONAL MILITARY PARK
2625 PARK ROAD, BLACKSBURG, SC 29702



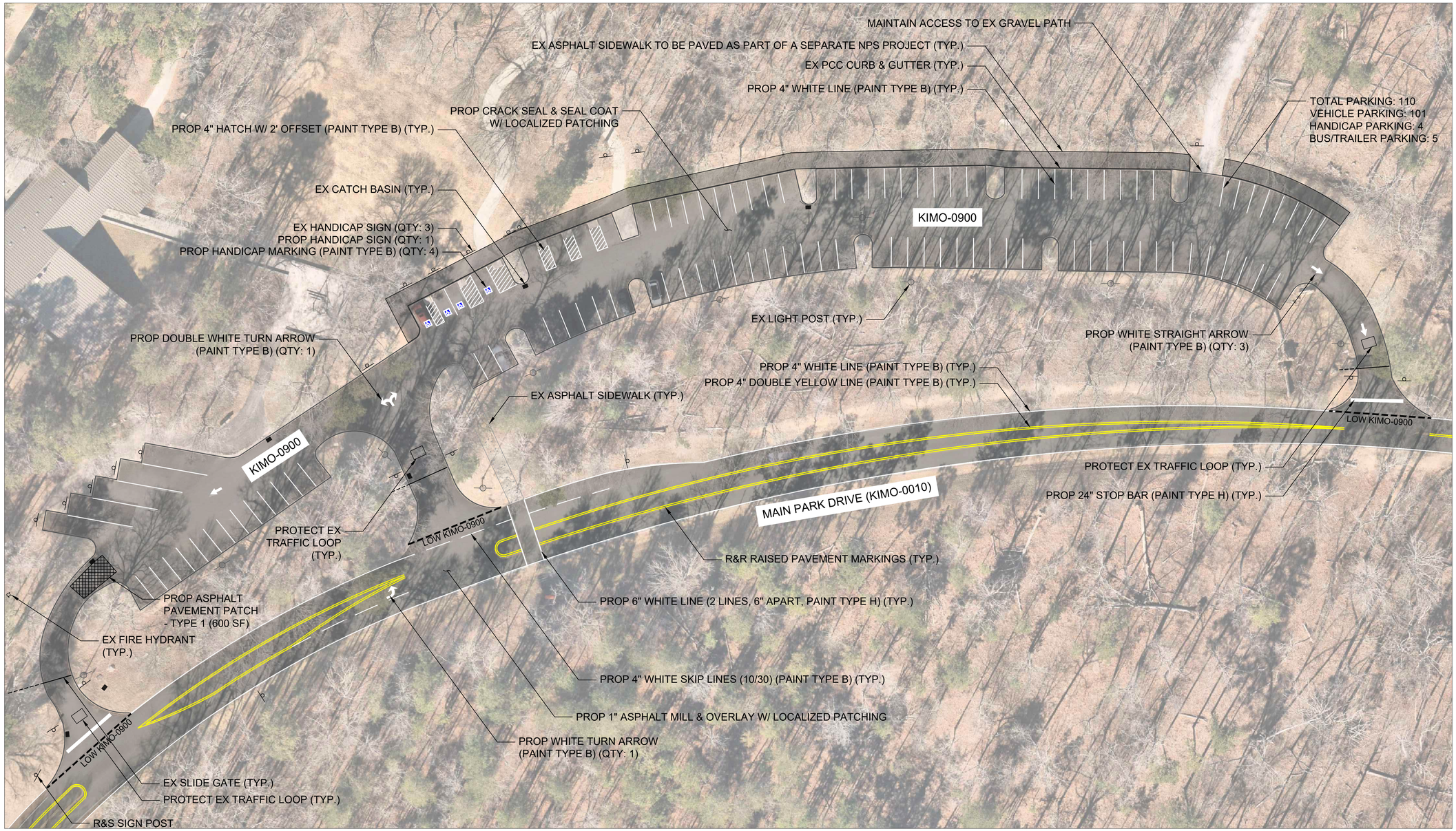
ROUTE ID	ROUTE NAME	AREA (SF)	LENGTH (MILES)	TREATMENT RECOMMENDATIONS
KIMO-0010	MAIN PARK DRIVE	--	2.82	1.0" ASPHALT MILL & OVERLAY W/ LOCALIZED PATCHING
KIMO-0900	VISITOR CENTER PARKING	46,317	--	CRACK SEAL & SEAL COAT W/ LOCALIZED PATCHING
KIMO-0901	MAINTENANCE AREA PARKING	15,648	--	CRACK SEAL & SEAL COAT W/ LOCALIZED PATCHING
KIMO-0903	HEADQUARTERS PARKING	7,967	--	1.0" ASPHALT MILL & OVERLAY



DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	03-G102	KIMO LOCATION MAP 2 of 2	PKG. NO. 334920
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	SHEET 72 OF 88
DATE: 07/26			

02-Jul-26

KIMO-0900
VISITORS CENTER PARKING



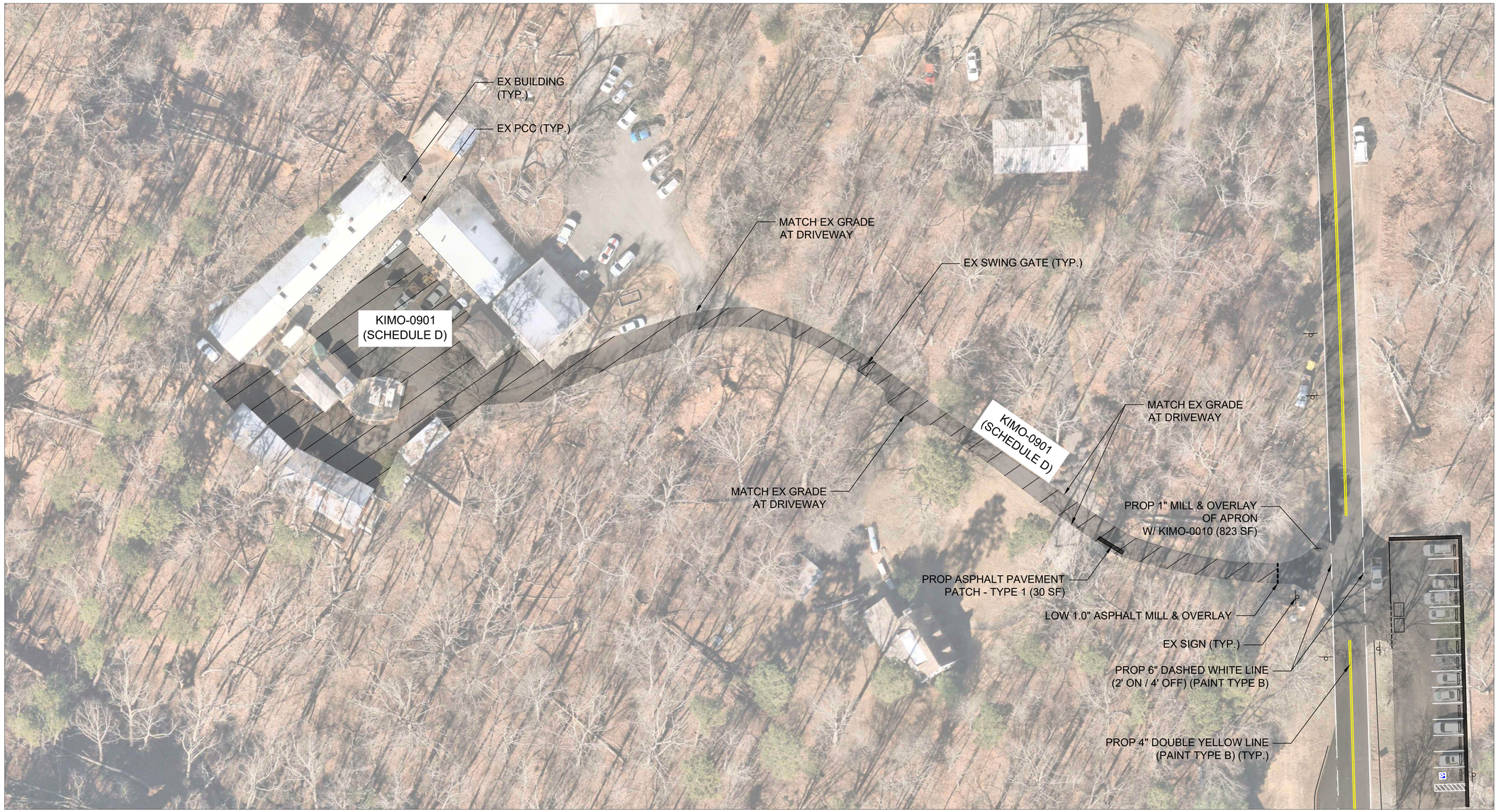
0 30 60 90 120

SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 03-C101	TITLE OF SHEET KIMO-0900 VISITOR CENTER PARKING PARKING LOT PLAN 1 of 3 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 197,917 PKG. NO. 334920 SHEET 73 OF 88

02-Jul-26

KIMO-0901
MAINTENANCE AREA PARKING
(MAIN PARK DRIVE TO MAINTENANCE BUILDING)

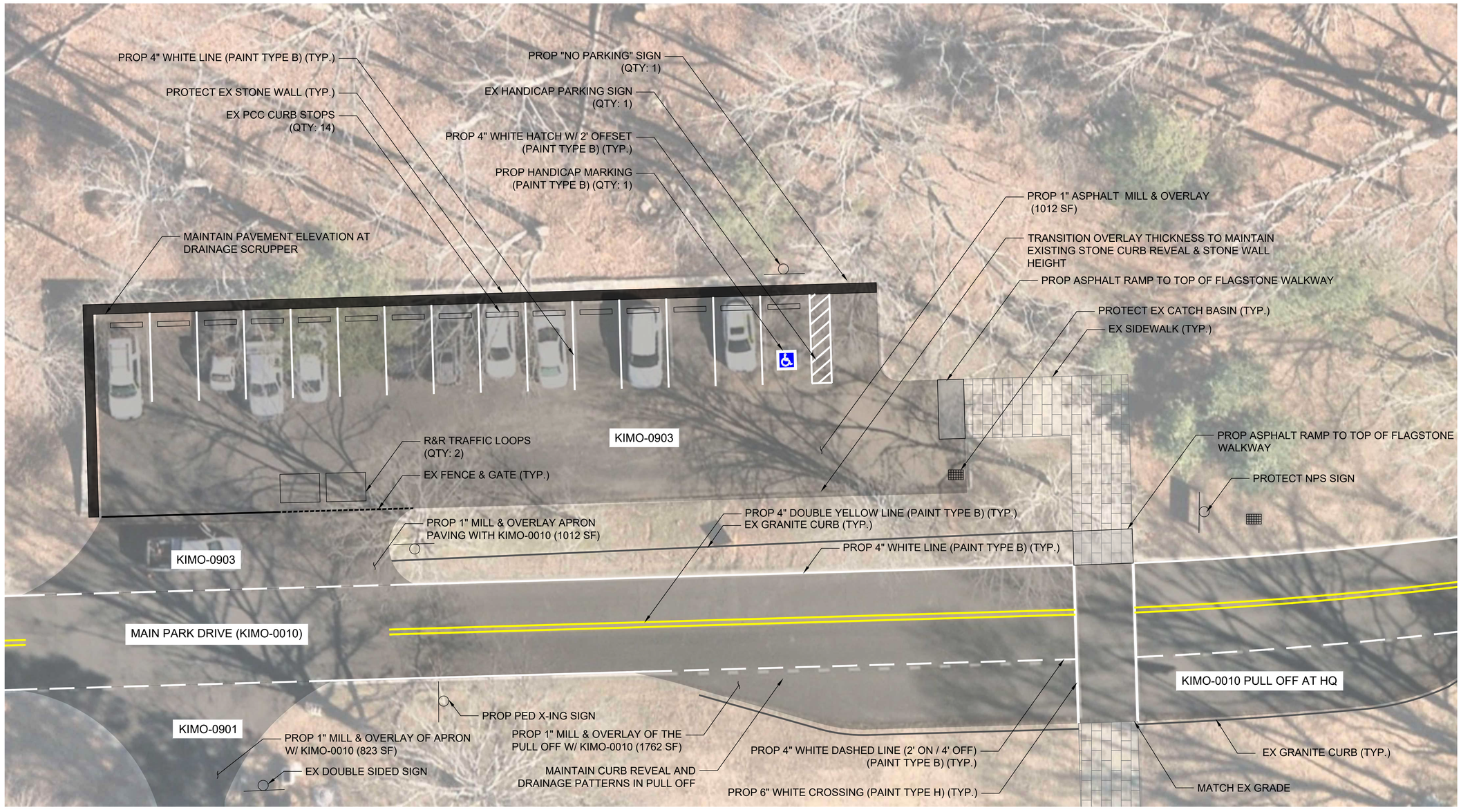


0 30 60 90 120
SCALE OF FEET

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	03-C102	KIMO-0901 VISITOR CENTER PARKING PARKING LOT PLAN 2 of 3 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	PKG. NO. 334920
TECH REVIEW: J. GOULD			SHEET 74 OF 88
DATE: 07/26			

02-Jul-26

KIMO-0903
HEADQUARTERS PARKING



0 10 20 30 40
SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 03-C103	TITLE OF SHEET KIMO-0903 VISITOR CENTER PARKING PARKING LOT PLAN 3 of 3 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 197,917 PKG. NO. 334920 SHEET 75 OF 88

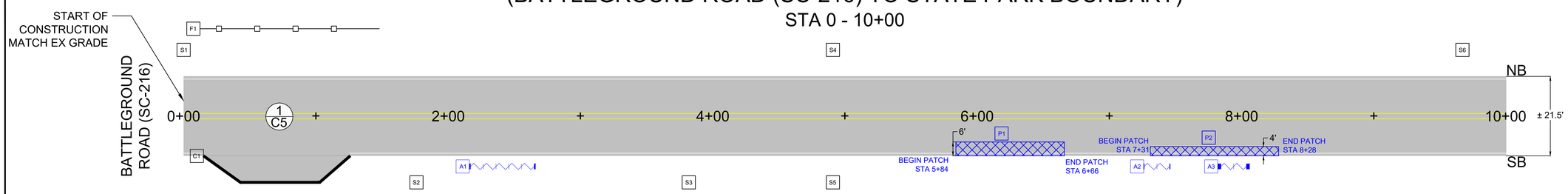
02-Jul-26

KIMO-0010

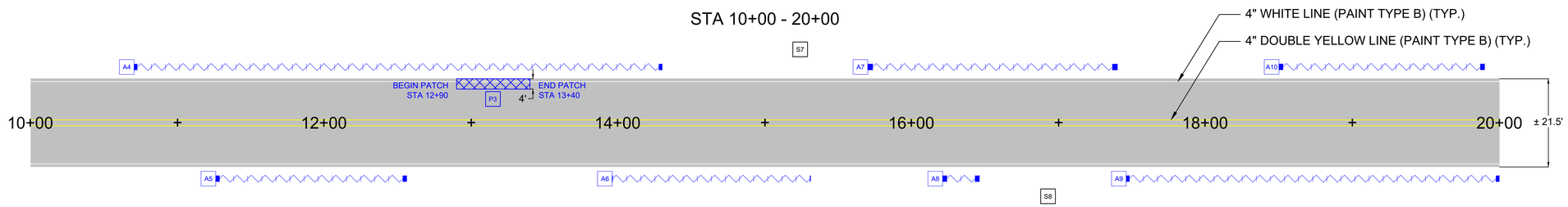
MAIN PARK DRIVE

(BATTLEGROUND ROAD (SC-216) TO STATE PARK BOUNDARY)

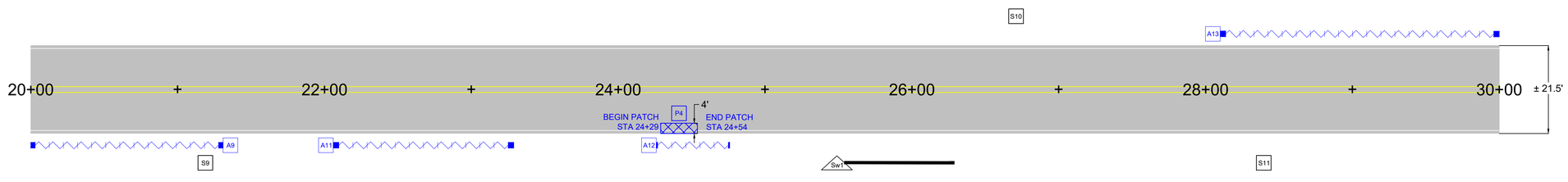
STA 0 - 10+00



STA 10+00 - 20+00



STA 20+00 - 30+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 03-C601 & 03-C602 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
F1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	03-C104	KIMO-0010 MAIN PARK DRIVE PARKING LOT PLAN 1 of 5	PKG. NO. 334920
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	SHEET 76 OF 88
DATE: 07/26			

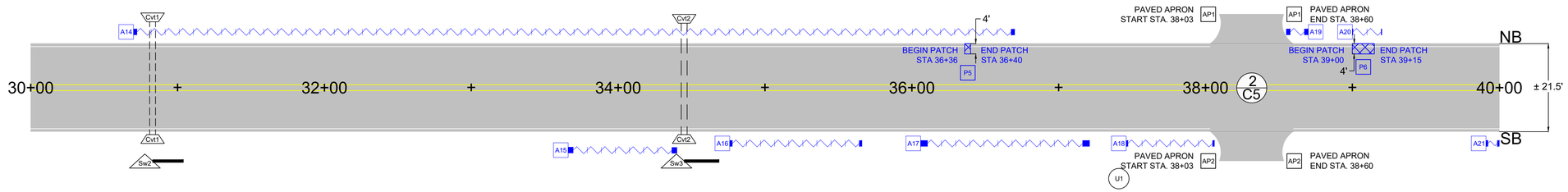
02-Jul-26

KIMO-0010

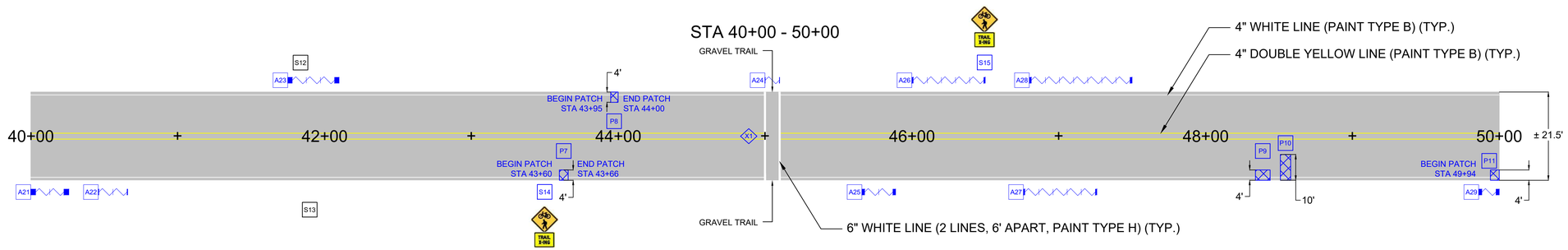
MAIN PARK DRIVE

(BATTLEGROUND ROAD (SC-216) TO STATE PARK BOUNDARY)

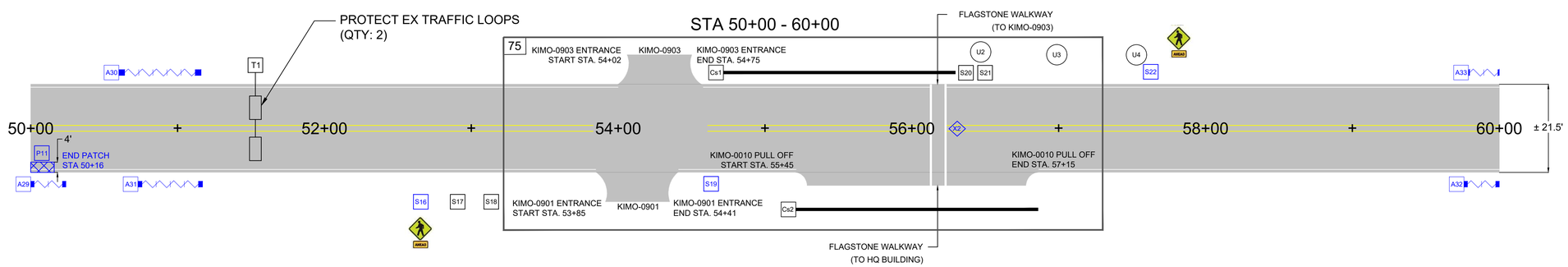
STA 30+00 - 40+00



STA 40+00 - 50+00



STA 50+00 - 60+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 03-C601 & 03-C602 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
K1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO. 03-C105	TITLE OF SHEET KIMO-0010 MAIN PARK DRIVE PARKING LOT PLAN 2 of 5 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 197,917
CADD: J. MANGOLD			PKG. NO. 334920
TECH REVIEW: J. GOULD			SHEET 77 OF 88
DATE: 07/26			

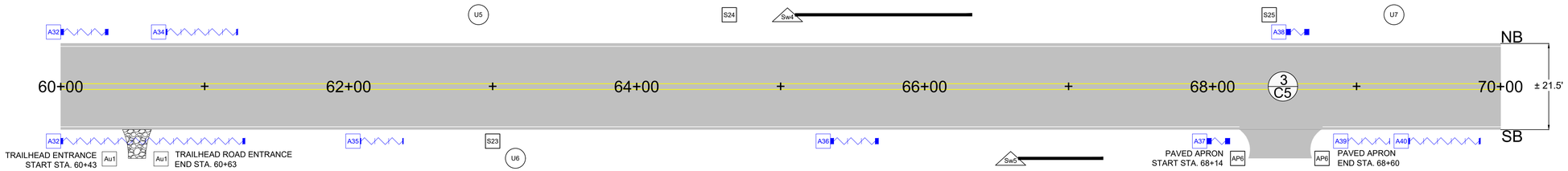
02-Jul-26

KIMO-0010

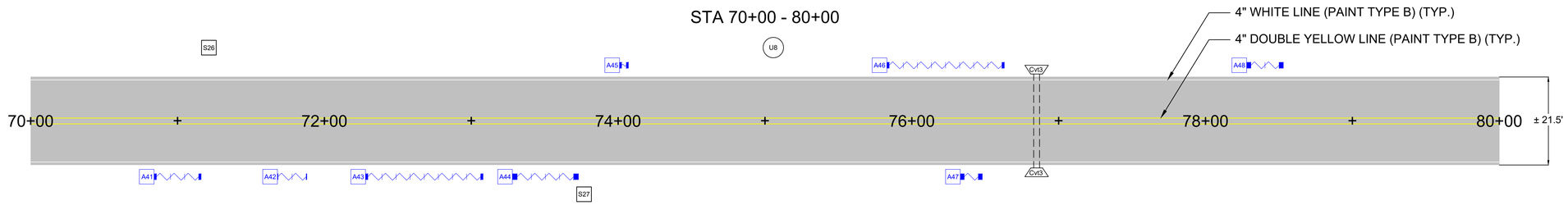
MAIN PARK DRIVE

(BATTLEGROUND ROAD (SC-216) TO STATE PARK BOUNDARY)

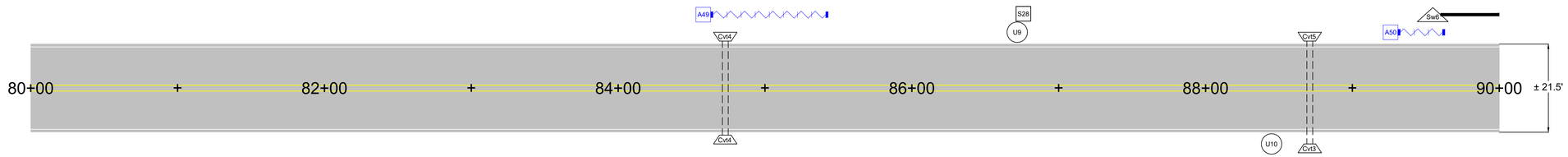
STA 60+00 - 70+00



STA 70+00 - 80+00



STA 80+00 - 90+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
5. STRAIGHT LINE DIAGRAM STRIPING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM AND PLACE PAVEMENT MARKING TO MATCH EXISTING. MARKING INFORMATION IN CONFLICT WITH EXISTING GEOMETRIES SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT WITH PLAN STRIPING TO BE PRIORITIZED.
6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 03-C601 & 03-C602 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO. 03-C106	TITLE OF SHEET KIMO-0010 MAIN PARK DRIVE PARKING LOT PLAN 3 of 5 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 197,917
CADD: J. MANGOLD			PKG. NO. 334920
TECH REVIEW: J. GOULD			SHEET 78
DATE: 07/26			OF 88

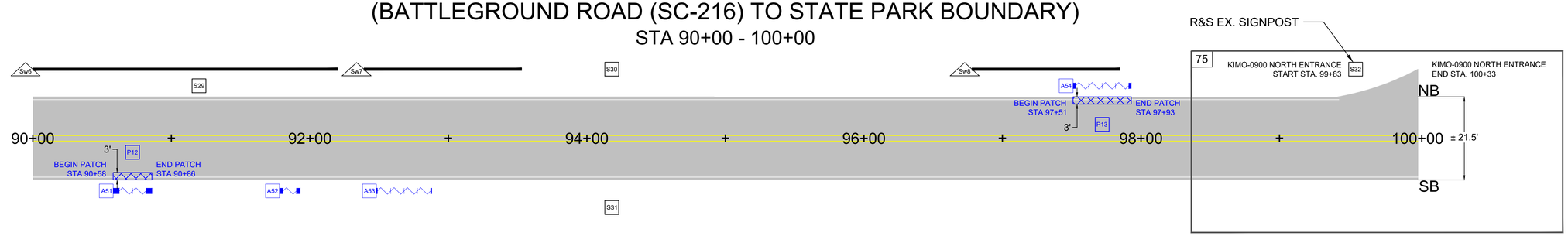
02-Jul-26

KIMO-0010

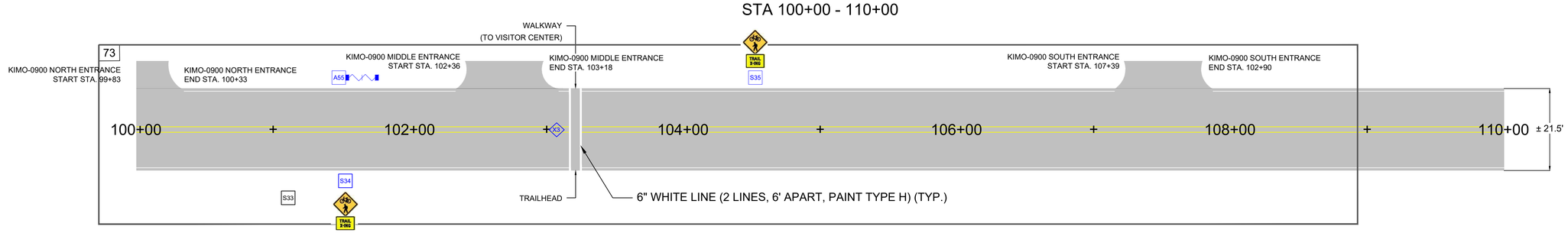
MAIN PARK DRIVE

(BATTLEGROUND ROAD (SC-216) TO STATE PARK BOUNDARY)

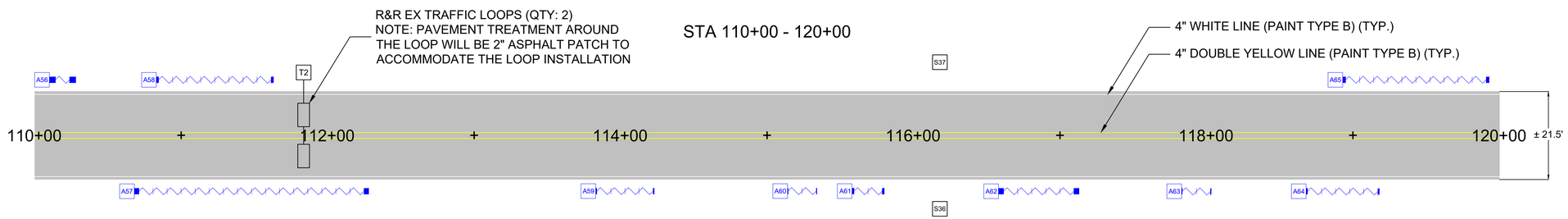
STA 90+00 - 100+00



STA 100+00 - 110+00



STA 110+00 - 120+00



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
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6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 03-C601 & 03-C602 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
X1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO. 03-C107	TITLE OF SHEET: KIMO-0010 MAIN PARK DRIVE PARKING LOT PLAN 4 of 5 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 197,917
CADD: J. MANGOLD			PKG. NO. 334920
TECH REVIEW: J. GOULD			SHEET 79 OF 88
DATE: 07/26			

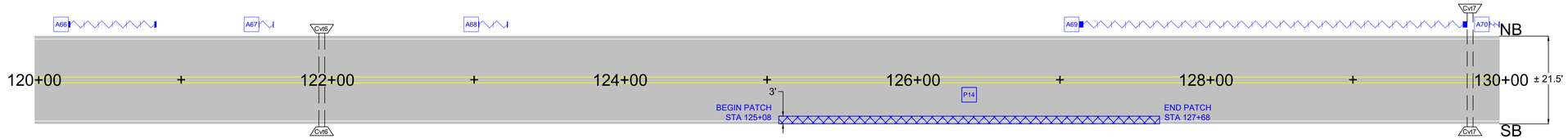
02-Jul-26

KIMO-0010

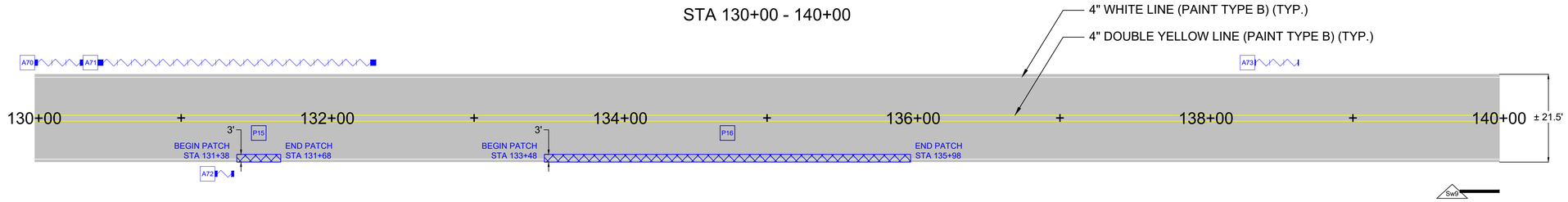
MAIN PARK DRIVE

(BATTLEGROUND ROAD (SC-216) TO STATE PARK BOUNDARY)

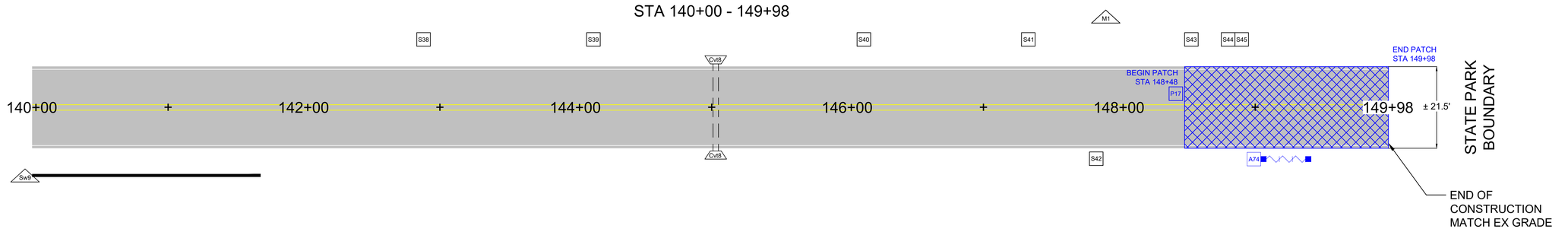
STA 120+00 - 130+00



STA 130+00 - 140+00



STA 140+00 - 149+98



NOTES:

1. PROTECT IN PLACE EXISTING SIGNS [S] & MONUMENTS [M]
2. ROAD IS SCALED HORIZONTALLY BUT NOT VERTICALLY
3. THE STRAIGHT LINE DIAGRAMS ARE INTENDED AS A GRAPHICAL REPRESENTATION OF THE LIMITS OF WORK AND PROPOSED WORK SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT INCLUDING INTERSECTING ROADWAY RADII.
4. STRAIGHT LINE DIAGRAM STATIONING IS APPROXIMATE. CONTRACTOR SHALL UTILIZE AERIAL IMAGERY AND/OR OTHER MEANS TO CONFIRM FEATURE LOCATIONS. FEATURES IN CONFLICT SHALL BE REVIEWED WITH NPS PRIOR TO PLACEMENT.
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6. TYPE H: THERMOPLASTIC PAVEMENT MARKING WILL BE USED FOR STOP BARS AND PEDESTRIAN CROSSING. TYPE B: WATERBORNE TRAFFIC PAINT WILL BE USED FOR ALL OTHER STRIPING AND PAVEMENT MARKING UNLESS OTHERWISE NOTED.
7. SEE THE ROADWAY FEATURES TABLE IN SHEET 03-C601 & 03-C602 FOR ADDITIONAL DETAILS ON EXISTING AND PROPOSED FEATURES.

LEGEND	
S1	SIGN
M1	MOMUMENT
G1	GATE
U1	UTILITY
Cvt1	CULVERT

LEGEND	
K1	PEDESTRIAN X-ING
F1	FENCE
GR1	GUARDRAIL
C1	CURB
Cs1	STONE CURB

LEGEND	
Cw1	WOODEN CURB
C/G	CURB & GUTTER
Sw1	HISTORICAL STONE SWALE
T1	TRAFFIC LOOP
A1	AGGREGATE SEED

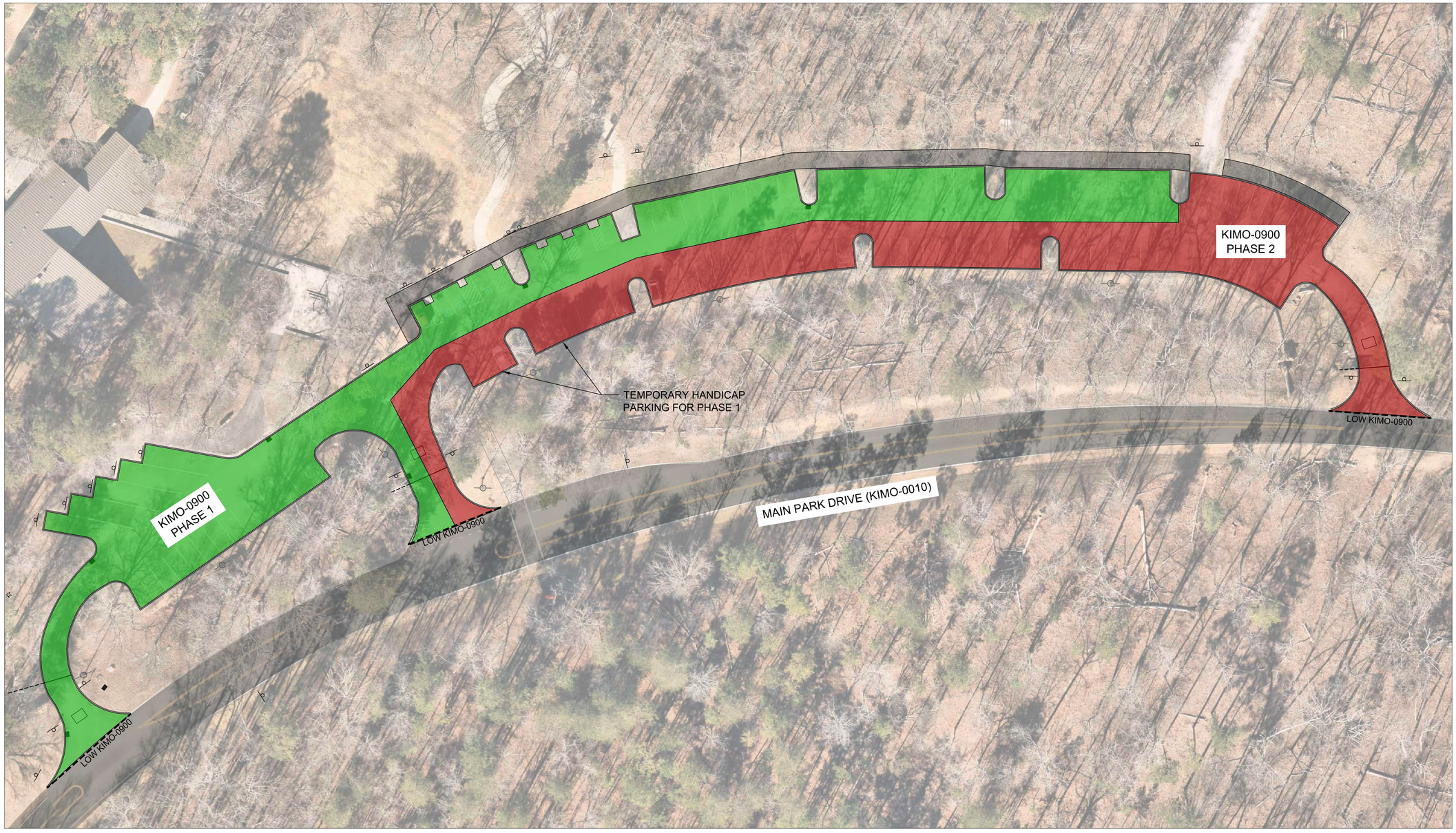
LEGEND	
Au1	UNPAVED APRON
Ap1	PAVED APRON
P1	PATCH
# #	PAGE # DETAIL #

FEATURES DEPICTED IN **BLUE** ARE PROPOSED WORK.

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	03-C108	KIMO-0010 MAIN PARK DRIVE PARKING LOT PLAN 5 of 5	PKG. NO. 334920
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	SHEET 80 OF 88
DATE: 07/26			

02-Jul-26

KIMO-0900
VISITORS CENTER PARKING



NOTES:

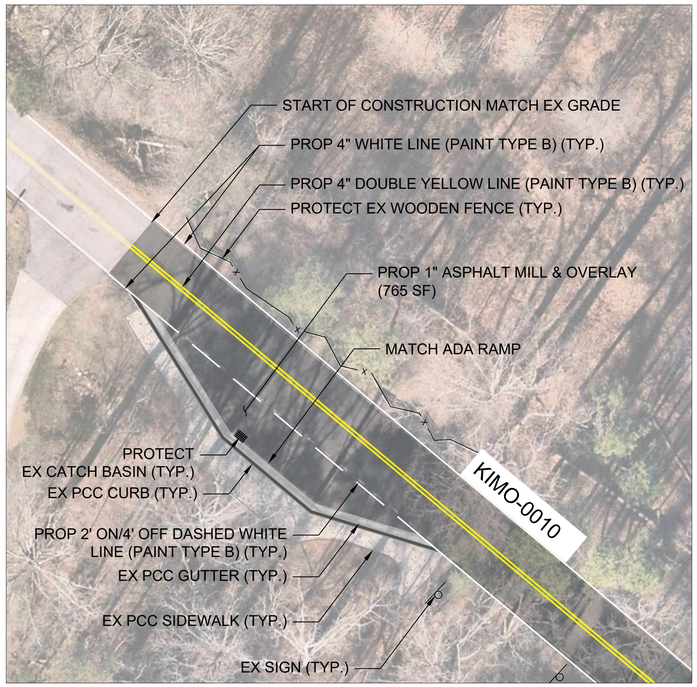
1. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED AT THE COMPLETION OF EACH CONSTRUCTION PHASE WHERE FINAL STRIPING IS NOT IMMEDIATELY APPLIED. TEMPORARY MARKINGS SHALL MAINTAIN SAFE AND CLEARLY DEFINED PARKING STALLS, TRAFFIC FLOW, AND PEDESTRIAN CROSSINGS UNTIL FINAL STRIPING IS COMPLETED.

0 30 60 90 120

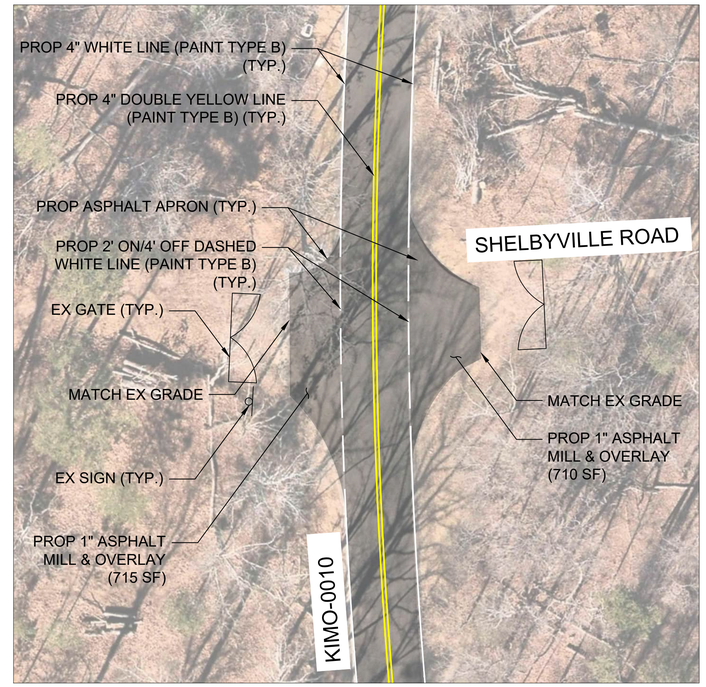
SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 03-C109	TITLE OF SHEET PHASING PLAN KIMO-0900 1 of 1 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 197,917 PKG. NO. 334920 SHEET 81 OF 88

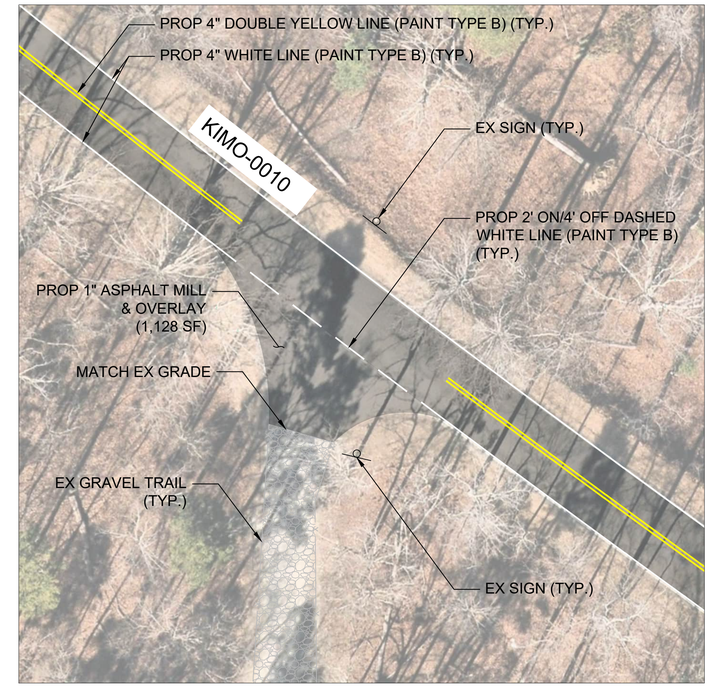
02-Jul-26



1 / C5 KIMO-0010 (STA 0+00) DETAIL
SCALE 1:20



2 / C5 KIMO-0010 (STA 38+03) DETAIL
SCALE 1:20



3 / C5 KIMO-0010 (STA 68+14) DETAIL
SCALE 1:20

0 20 40 60 80
SCALE OF FEET

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	03-C501	ROADWAY DETAILS 1 of 1	PKG. NO. 334920
TECH REVIEW: J. GOULD		PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	SHEET 82 OF 88
DATE: 07/26			

02-Jul-26

KIMO-0010

MAIN PARK DRIVE

(BATTLEGROUND ROAD (SC-216) TO STATE PARK BOUNDARY)

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA	END STA	DIRECTION	EXISTING FEATURE	PROPOSED WORK
S1	SIGN	0+00	0+00	NB	CHEROKEE COUNTY SIGN	
F1	FENCE	0+07	1+48	NB	WOOD FENCH (3' EOP)	
C/G1	CURB & GUTTER	0+15	1+26	SB	CONCRETE CURB & GUTTER	
S2	SIGN	1+76	1+76	SB	SB SIGN: NO COMMERCIAL VEHICLES	
A1	AGGREGATE/SEED MIX	2+16	2+66	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
S3	SIGN	3+82	3+82	SB	SIGN: SPEED LIMIT, 35 MPH	
S4	SIGN	4+91	4+91	NB	SIGN: NPS PARK FAREWELL	
S5	SIGN	4+91	4+91	SB	SIGN: NPS PARK WELCOME	
P1	PATCH	5+84	6+66	SB	ALLIGATOR/EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 6'
A2	AGGREGATE/SEED MIX	7+26	7+46	SB	EDGE DROP	AGGREGATE/SEED MIX: 2-5" X 3'
P2	PATCH	7+31	8+28	SB	TREE ROOT DAMAGE	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 4'
A3	AGGREGATE/SEED MIX	7+82	8+06	SB	EDGE DROP	AGGREGATE/SEED MIX: 2-5" X 3'
S6	SIGN	9+67	9+67	SB	SIGN: HISTORICAL MARKER	
A4	AGGREGATE/SEED MIX	10+70	14+30	NB	EDGE DROP	AGGREGATE/SEED MIX: 4-10" X 4'
A5	AGGREGATE/SEED MIX	11+26	12+56	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-8" X 3'
P3	PATCH	12+90	13+40	NB	EDGE CRACK/BREAKOFF	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 3'
A6	AGGREGATE/SEED MIX	13+96	15+31	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
S7	SIGN	15+24	15+24	NB	SIGN: RIGHT TURN AHEAD	
A7	AGGREGATE/SEED MIX	15+70	17+40	NB	EDGE DROP	AGGREGATE/SEED MIX: 4-10" X 4'
A8	AGGREGATE/SEED MIX	16+21	16+46	SB	EDGE DROP	AGGREGATE/SEED MIX: 3-6" X 3'
S8	SIGN	16+93	16+93	SB	SIGN: RIGHT TURN AHEAD	
A9	AGGREGATE/SEED MIX	17+46	21+31	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-10" X 3'
A10	AGGREGATE/SEED MIX	18+50	19+90	NB	EDGE DROP	AGGREGATE/SEED MIX: 5" X 3' (PROTECT DRAINAGE SWALE)
S9	SIGN	21+19	21+19	SB	SIGN: LEFT TURN AHEAD	
A11	AGGREGATE/SEED MIX	22+06	23+29	SB	EDGE DROP	AGGREGATE/SEED MIX: 2-5" X 3'
A12	AGGREGATE/SEED MIX	24+26	24+76	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 3'
P4	PATCH	24+29	24+54	SB	EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 4'
Sw1	HISTORICAL STONE SWALE	25+49	26+29	SB	HISTORICAL STONE SWALE	
S10	SIGN	26+71	26+71	NB	SIGN: HISTORIC MARKER	
A13	AGGREGATE/SEED MIX	28+10	30+00	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
S11	SIGN	28+40	28+40	SB	SIGN: RIGHT TURN AHEAD	
A14	AGGREGATE/SEED MIX	30+70	36+70	NB	EDGE DROP	AGGREGATE/SEED MIX: 3-7" X 3'
Cvt1	CULVERT	30+83	30+83	NB/SB	RCP PIPE CULVERT	
Sw2	HISTORICAL STONE SWALE	30+83	31+04	SB	HISTORICAL STONE SWALE	
A15	AGGREGATE/SEED MIX	33+66	34+40	SB	EDGE DROP	AGGREGATE/SEED MIX: 6-8" X 3'
Sw3	HISTORICAL STONE SWALE	34+45	34+74	SB	HISTORICAL STONE SWALE	
Cvt2	CULVERT	34+45	34+45	NB/SB	RCP PIPE CULVERT	
A16	AGGREGATE/SEED MIX	34+76	35+66	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 3'
A17	AGGREGATE/SEED MIX	36+06	37+21	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-10" X 4'
P5	PATCH	36+36	36+40	NB	EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 4'
U1	UTILITY	37+41	37+41	SB	UTILITY: AT&T BOX	
A18	AGGREGATE/SEED MIX	37+46	38+06	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 3'
Ap1	PAVED APRON	38+03	38+60	NB	PAVED APRON AT TRAIL HEAD	
Ap2	PAVED APRON	38+03	38+60	SB	PAVED APRON AT TRAIL	
A19	AGGREGATE/SEED MIX	38+55	38+70	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
P6	PATCH	39+00	39+15	NB	EDGE BREAKOFF	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 3'
A20	AGGREGATE/SEED MIX	39+00	39+20	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
A21	AGGREGATE/SEED MIX	39+91	40+26	SB	EDGE DROP	AGGREGATE/SEED MIX: 3-5" X 4'
A22	AGGREGATE/SEED MIX	40+46	40+66	SB	EDGE DROP	AGGREGATE/SEED MIX: 3-5" X 4'
A23	AGGREGATE/SEED MIX	41+75	42+10	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
S12	SIGN	41+83	41+83	NB	SIGN: RIGHT TURN AHEAD	

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA	END STA	DIRECTION	EXISTING FEATURE	PROPOSED WORK
S13	SIGN	41+90	41+90	SB	SIGN: RIGHT TURN AHEAD	
S14	SIGN	43+50	43+50	SB		SIGN: TRAIL X-ING AHEAD
P7	PATCH	43+60	43+66	SB	TREE ROOT DAMAGE	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 4'
P8	PATCH	43+95	44+00	NB	TREE ROOT	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 4'
X1	PEDESTRAN X-ING	45+00	45+10	NB/SB	TRAIL HEAD X-ING	PEDESTRIAN X-ING
A24	AGGREGATE/SEED MIX	45+00	45+10	NB	EDGE DROP	AGGREGATE/SEED MIX: 6" X 6'
A25	AGGREGATE/SEED MIX	45+66	45+89	SB	EDGE DROP	AGGREGATE/SEED MIX: 2-4" X 3'
A26	AGGREGATE/SEED MIX	46+00	46+50	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
S15	SIGN	46+50	46+50	NB		SIGN: TRAIL X-ING AHEAD
A27	AGGREGATE/SEED MIX	46+76	47+26	SB	EDGE DROP	AGGREGATE/SEED MIX: 2-5" X 4'
A28	AGGREGATE/SEED MIX	46+80	47+50	NB	EDGE DROP	AGGREGATE/SEED MIX: 5" X 4'
P9	PATCH	48+34	48+44	SB	TREE ROOT DAMAGE	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 4'
P10	PATCH	48+51	48+58	SB	TREE ROOT DAMAGE	PATCH: FULL LANE WIDTH (10')
A29	AGGREGATE/SEED MIX	49+86	50+24	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-8" X 4'
P11	PATCH	49+94	50+16	SB	EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 4'
A30	AGGREGATE/SEED MIX	50+60	51+16	NB	EDGE DROP	AGGREGATE/SEED MIX: 5" X 3'
A31	AGGREGATE/SEED MIX	50+73	51+17	SB	EDGE DROP	AGGREGATE/SEED MIX: 3-6" X 3'
T1	TRAFFIC LOOP	51+48	51+58	NB/SB	TRAFFIC LOOP	PROTECT EX TRAFFIC LOOPS
S16	SIGN	52+65	52+65	SB		SIGN: TRAIL X-ING AHEAD
S17	SIGN	52+90	52+90	SB	SIGN: VISITOR CENTER IN 1 MILE	
S18	SIGN	53+14	53+14	SB	SIGN: LEFT TURN AHEAD	
S19	SIGN	54+63	54+63	SB	SIGN: MAINT FIRE CACHE TRAINING ROOM	
Cs1	STONE CURB	54+72	56+30	NB	HISTORIC STONE CURB AT HQ PARKING	
Cs2	STONE CURB	55+21	56+86	SB	STONE CURB 1-2" REVEAL	
X2	PEDESTRIAN X-ING	56+13	56+23	NB/SB	HQ PED X-ING	
S20	SIGN	56+37	56+37	NB	SIGN: HQ, 5' OFF EOP	
U2	UTILITY	56+45	56+49	NB	DRAINAGE INLET 5' OFF EOP	
S21	SIGN	56+50	56+50	NB	SIGN: HQ, 5' OFF EOP	
U3	UTILITY	56+99	57+03	NB	DRAINAGE INLET 5' OFF EOP	
U4	UTILITY	57+53	57+57	NB	DRAINAGE INLET 5' OFF EOP	
S22	SIGN	57+63	57+63	NB		SIGN: TRAIL X-ING AHEAD
A32	AGGREGATE/SEED MIX	59+76	61+28	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-7" X 4'
A33	AGGREGATE/SEED MIX	59+79	60+33	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3' (PROTECT EX. SWALE)
Au1	UNPAVED APRON	60+43	60+63	SB	TRAILHEAD	
A34	AGGREGATE/SEED MIX	60+73	61+23	NB	EDGE DROP	AGGREGATE/SEED MIX: 4-7" X 3'
A35	AGGREGATE/SEED MIX	62+08	62+38	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
U5	UTILITY	62+90	62+90	NB	SEWER INLET 2' OFF EOP	
S23	SIGN	63+01	63+01	SB	SIGN: ROAD INTERSECTION AHEAD	
U6	UTILITY	63+16	63+16	SB	MANHOLE (@EOP)	
S24	SIGN	64+64	64+64	NB	SIGN: RIGHT TURN AHEAD	
Sw4	HISTORICAL STONE SWALE	65+10	66+33	NB	HISTORICAL STONE GUTTER/SWALE	
A36	AGGREGATE/SEED MIX	65+48	65+68	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 2'
Sw5	HISTORICAL STONE SWALE	66+65	67+24	SB	HISTORICAL STONE SWALE	
A37	AGGREGATE/SEED MIX	67+96	68+12	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 4'
S25	SIGN	68+39	68+39	NB	SIGNPOST: VISITOR CENTER AHEAD	
A38	AGGREGATE/SEED MIX	68+51	68+67	NB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
A39	AGGREGATE/SEED MIX	68+94	69+23	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 4'
U7	UTILITY	69+26	69+26	NB	TRAFFIC SIGNAL BOX (2' OFF EOP)	
A40	AGGREGATE/SEED MIX	69+36	69+86	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 4'
A41	AGGREGATE/SEED MIX	70+84	71+16	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'

DESIGNED: N. FARUK	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO. 178 197,917
CADD: J. MANGOLD	03-C601	KIMO-0010 MAIN PARK DRIVE ROADWAY FEATURES TABLE 1 of 2 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	PKG. NO. 334920
TECH REVIEW: J. GOULD			SHEET 83 OF 88
DATE: 07/26			

02-Jul-26

KIMO-0010

MAIN PARK DRIVE

(BATTLEGROUND ROAD (SC-216) TO STATE PARK BOUNDARY)

ROADWAY FEATURES TABLE

LABEL	TYPE	START STA	END STA	DIRECTION	EXISTING FEATURE	PROPOSED WORK
S26	SIGN	71+21	71+21	NB	SIGN: ROAD INTERSECTION AHEAD	
A42	AGGREGATE/SEED MIX	71+68	71+88	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
A43	AGGREGATE/SEED MIX	72+28	73+08	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-8" X 5'
A44	AGGREGATE/SEED MIX	73+28	73+73	SB	EDGE DROP	AGGREGATE/SEED MIX: 4-8" X 5'
S27	SIGN	73+77	73+77	SB	SIGN: LEFT TURN AHEAD	
A45	AGGREGATE/SEED MIX	74+01	74+07	NB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
U8	UTILITY	75+06	75+06	NB	TRAFFIC SIGNAL BOX (3' FROM EOP)	
A46	AGGREGATE/SEED MIX	75+83	76+63	NB	EDGE DROP	AGGREGATE/SEED MIX: 4-10" X 5'
A47	AGGREGATE/SEED MIX	76+33	76+48	SB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 2'
Cvt3	CULVERT	76+85	76+85	NB/SB	CULVERT	
A48	AGGREGATE/SEED MIX	78+28	78+53	NB	EDGE DROP	AGGREGATE/SEED MIX: 3-5" X 3'
A49	AGGREGATE/SEED MIX	84+63	85+43	NB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
Cvt4	CULVERT	84+73	84+88	NB/SB	CULVERT	
U9	UTILITY	86+72	86+72	NB	TRAFFIC SIGNAL BOX (2' OFF EOP)	
S28	SIGN	86+76	86+76	NB	SIGN: RIGHT TURN AHEAD	
U10	UTILITY	88+45	88+45	SB	UTILITY: WATER METER	
Cvt5	CULVERT	88+71	88+96	NB/SB	CULVERT	
A50	AGGREGATE/SEED MIX	89+31	89+63	NB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
Sw6	HISTORICAL STONE SWALE	89+60	92+20	NB	HISTORICAL STONE SWALE	
A51	AGGREGATE/SEED MIX	90+58	90+86	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 2'
P12	PATCH	90+58	90+86	SB	EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 3'
S29	SIGN	91+20	91+20	NB	SIGN: DEER WARNING	
A52	AGGREGATE/SEED MIX	91+78	91+93	SB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
Sw7	HISTORICAL STONE SWALE	92+39	93+53	NB	HISTORICAL STONE SWALE	
A53	AGGREGATE/SEED MIX	92+48	92+88	SB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
S30	SIGN	94+18	94+18	NB	SIGN: SPEED LIMIT, 35 MPH	
S31	SIGN	94+18	94+18	SB	SIGN: SPEED LIMIT, 25 MPH	
Sw8	HISTORICAL STONE SWALE	96+78	97+85	NB	HISTORICAL STONE SWALE	
A54	AGGREGATE/SEED MIX	97+51	97+93	NB	EDGE DROP	AGGREGATE/SEED MIX: 5-10" X 4'
P13	PATCH	97+51	97+93	NB	EDGE BREAK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 3'
S32	SIGN	99+88	99+88	NB	SIGNPOST: ARROW NORTH	R&S SIGNPOST
S33	SIGN	101+11	101+11	SB	SIGNPOST: VISITOR CENTER	
A55	AGGREGATE/SEED MIX	101+53	101+77	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 4'
S34	SIGN	101+53	101+53	SB		SIGN: TRAIL X-ING AHEAD
X2	PEDESTRAN X-ING	103+17	103+25	NB/SB	PEDESTRAIN CROSSING	
S35	SIGN	104+53	104+53	NB		SIGN: TRAIL X-ING AHEAD
A56	AGGREGATE/SEED MIX	110+10	110+28	NB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
A57	AGGREGATE/SEED MIX	110+68	112+28	SB	EDGE DROP	AGGREGATE/SEED MIX: 5" X 3'
A58	AGGREGATE/SEED MIX	110+83	111+63	NB	EDGE DROP	AGGREGATE/SEED MIX: 3-6" X 6'
T2	TRAFFIC LOOP	111+81	111+86	Both	TRAFFIC LOOP	R&R EX TRAFFIC LOOPS
A59	AGGREGATE/SEED MIX	113+83	114+23	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
A60	AGGREGATE/SEED MIX	115+14	115+34	SB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
A61	AGGREGATE/SEED MIX	115+58	115+80	SB	EDGE DROP	AGGREGATE/SEED MIX: 5" X 4'
S36	SIGN	116+18	116+18	SB	SIGN, SPEED LIMIT, 35 MPH	
S37	SIGN	116+18	116+18	NB	SIGN, SPEED LIMIT, 25 MPH	
A62	AGGREGATE/SEED MIX	116+58	117+13	SB	EDGE DROP	AGGREGATE/SEED MIX: 3-4" X 3'
A63	AGGREGATE/SEED MIX	117+83	118+03	SB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
A64	AGGREGATE/SEED MIX	118+68	119+18	SB	EDGE DROP	AGGREGATE/SEED MIX: 3-4" X 3'
A65	AGGREGATE/SEED MIX	118+93	119+93	NB	EDGE DROP	AGGREGATE/SEED MIX: 2-4" X 4'
A66	AGGREGATE/SEED MIX	120+23	120+83	NB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 4'
A67	AGGREGATE/SEED MIX	121+53	121+63	NB	EDGE DROP	AGGREGATE/SEED MIX: 6" X 3'
Cvt6	CULVERT	121+93	121+99	NB/SB	STONE CULVERT HEADWALL, 20" RCP	

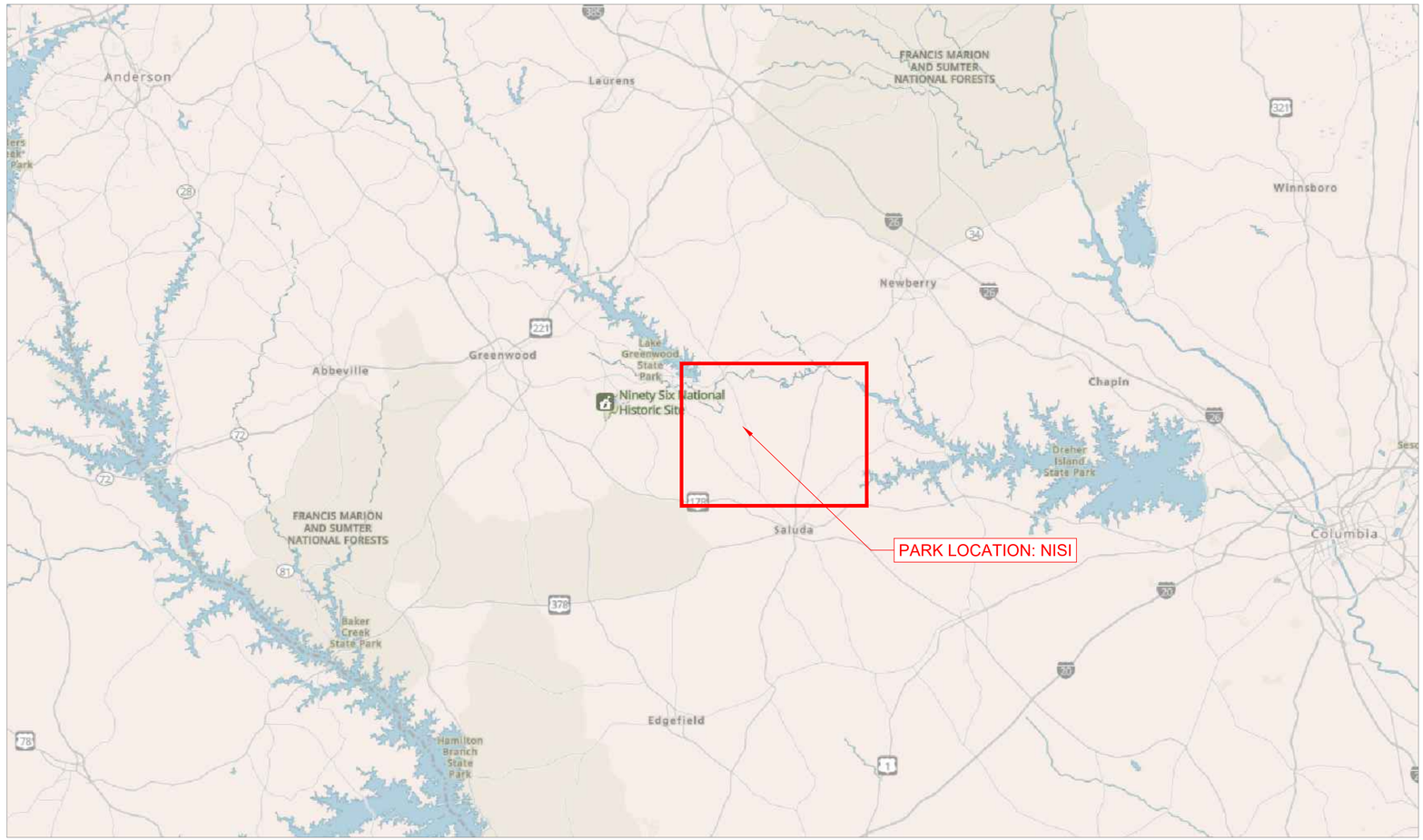
ROADWAY FEATURES TABLE

LABEL	TYPE	START STA	END STA	DIRECTION	EXISTING FEATURE	PROPOSED WORK
A68	AGGREGATE/SEED MIX	123+03	123+23	NB	EDGE DROP	AGGREGATE/SEED MIX: 4" X 3'
P14	PATCH	125+08	127+68	SB	EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 3'
A69	AGGREGATE/SEED MIX	127+13	129+78	NB	EDGE DROP	AGGREGATE/SEED MIX: 3-6" X 3'
Cvt7	CULVERT	129+80	129+86	NB/SB	STONE CULVERT HEADWALL	
A70	AGGREGATE/SEED MIX	129+93	130+33	NB	EDGE DROP	AGGREGATE/SEED MIX: 3-4" X 3'
A71	AGGREGATE/SEED MIX	130+43	132+33	NB	EDGE DROP	AGGREGATE/SEED MIX: 4-6" X 3'
A72	AGGREGATE/SEED MIX	131+23	131+36	SB	EDGE DROP	AGGREGATE/SEED MIX: 3" X 3'
P15	PATCH	131+38	131+68	SB	EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 3'
P16	PATCH	133+48	135+98	SB	EDGE CRACK	ASPHALT PAVEMENT PATCH - TYPE 1 : OUTER 3'
A73	AGGREGATE/SEED MIX	138+33	138+63	NB	EDGE DROP	AGGREGATE/SEED MIX: 3-5" X 3'
Sw9	HISTORICAL STONE SWALE	139+73	141+68	SB	HISTORICAL STONE SWALE (DISCONTINOUS)	
S38	SIGN	142+88	142+88	NB	SIGN: DEER WARNING	
S39	SIGN	144+13	144+13	NB	SIGN: BICYCLE (SHARE THE ROAD)	
Cvt8	CULVERT	145+00	145+06	NB/SB	STONE CULVERT HEADWALL, 20" RCP	
S40	SIGN	146+12	146+12	NB	SIGN: NPS PARK WELCOME	
S41	SIGN	147+33	147+33	NB	SIGN: SPEED LIMIT, 35 MPH	
S42	SIGN	147+83	147+83	SB	SIGN: NPS PARK FAREWELL	
M1	MONUMENT	147+90	147+90	NB	MONUMENT	
P17	PATCH	148+48	149+98	NB/SB	TREE ROOT ACROSS PAVEMENT	ASPHALT PAVEMENT PATCH - TYPE 1 : FULL WIDTH OF ROADWAY (150' X 20')
S43	SIGN	148+53	148+53	NB	SIGN: NO COMMERCIAL VEHICLE	
S44	SIGN	148+82	148+82	NB	SIGN: UNDERGROUND POWER CABLE	
S45	SIGN	148+88	148+88	NB	KIMO PARK SIGN POST	
A74	AGGREGATE/SEED MIX	149+04	149+41	SB	EDGE DROP	AGGREGATE/SEED MIX: 3-4" X 3'

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 03-C602	TITLE OF SHEET KIMO-0010 MAIN PARK DRIVE ROADWAY FEATURES TABLE 2 of 2 PAVEMENT PRESERVATION KINGS MOUNTAIN NATIONAL MILITARY PARK	DRAWING NO. 178 197,917 PKG. NO. 334920 SHEET 84 OF 88

02-Jul-26

NINETY SIX NATIONAL HISTORIC SITE
1103 SC-248, NINETY SIX, SC 29666



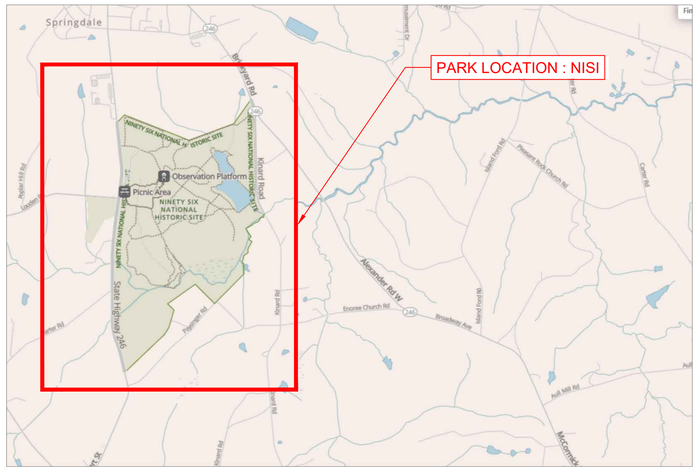
0 5 10 15 20

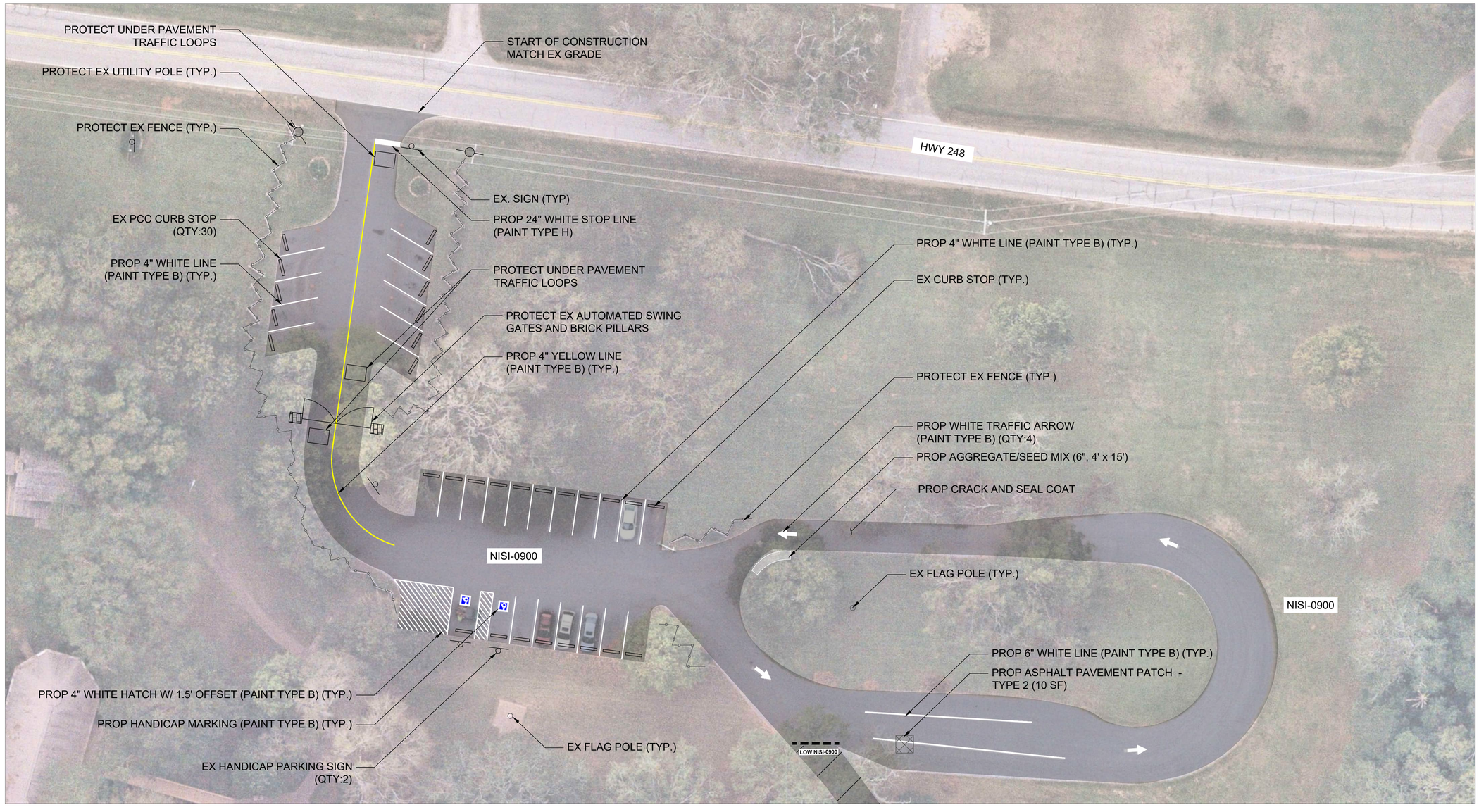
SCALE OF MILES

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 04-G101	TITLE OF SHEET NISI LOCATION MAP 1 of 2 NINETY SIX NATIONAL HISTORIC SITE	DRAWING NO. 178 197,917 PKG. NO. 334915 SHEET 85 OF 88

02-Jul-26

NINETY SIX NATIONAL HISTORIC SITE
1103 SC-248, NINETY SIX, SC 29666


PARK LOCATION : NISI
Springdale
Observation Platform
Picnic Area
NINETY SIX NATIONAL HISTORIC SITE
Kilpard Road
Alexander Rd N
Encore Church Rd
Broadway Ave
Island Ford Rd
Pioneer Rd
Mill Rd
McCormick
Cedar Rd
Island Ford Rd
Pleasant Rich Church Rd
Bryant Rd
Lindsay
Aspen Hill Rd
Hunter Rd
Pioneer Rd
Pioneer Rd
Pioneer



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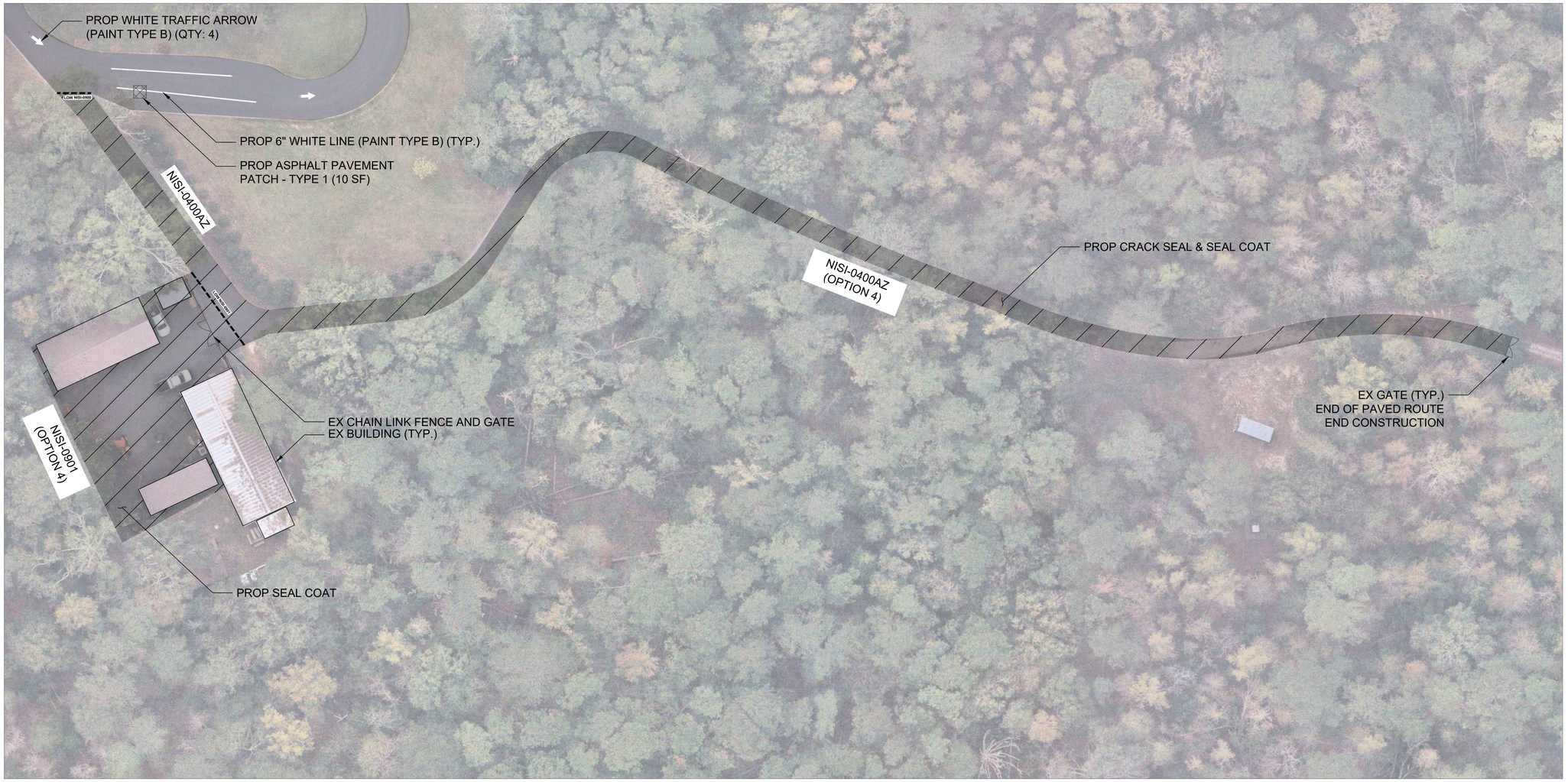
SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 04-C101	TITLE OF SHEET NISI-0900 VISITOR CENTER PARKING PARKING LOT PLAN NINETY SIX NATIONAL HISTORIC SITE	DRAWING NO. 178 197,917 PKG. NO. 334915 SHEET 87 OF 88

02-Jul-26



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SCALE OF FEET

DESIGNED: N. FARUK CADD: J. MANGOLD TECH REVIEW: J. GOULD DATE: 07/26	SUB SHEET NO. 04-C102	TITLE OF SHEET NISI-0400AZ AND NISI-0901 MAINTENANCE ACCESS ROAD A AND MAINTENANCE AREA PARKING LOT PLAN NINETY SIX NATIONAL HISTORIC SITE	DRAWING NO. 178 197,917 PKG. NO. 334915 SHEET 88 OF 88

02-Jul-26