Re-bid
Repair Parking Lots and Driveways
Troop C Headquarters
Weldon Spring, Saint Charles County, Missouri

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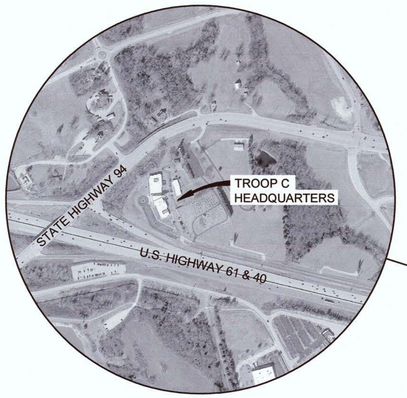
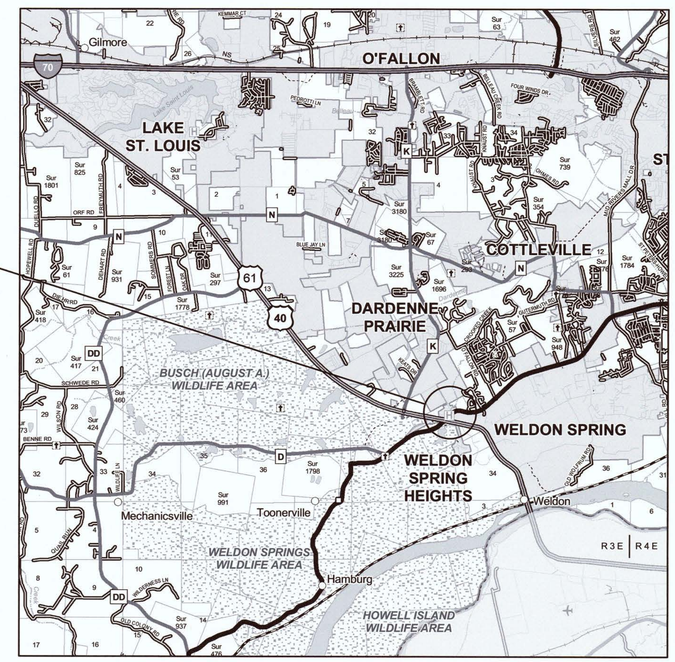
mecoengineering.com
MO Engineering Lic. #000898 - IL Design Firm #184-001749

OFFICE LOCATIONS
HANNIBAL, MO
JEFFERSON CITY, MO
BRANSON, MO
BOONVILLE, MO
PITTSFIELD, IL
SPRINGFIELD, IL





LOCATION MAP

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
G-001	COVER SHEET / LOCATION MAP
C-101	EXISTING SITE CONDITIONS AND REMOVAL
C-102	PAVEMENT MARKING PLAN
C-501	TYPICAL SECTIONS AND DETAILS

OWNER: STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

DEPARTMENT OF PUBLIC SAFETY,
MISSOURI STATE HIGHWAY PATROL

PROJECT MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DESIGNER: MECO ENGINEERING COMPANY INC.

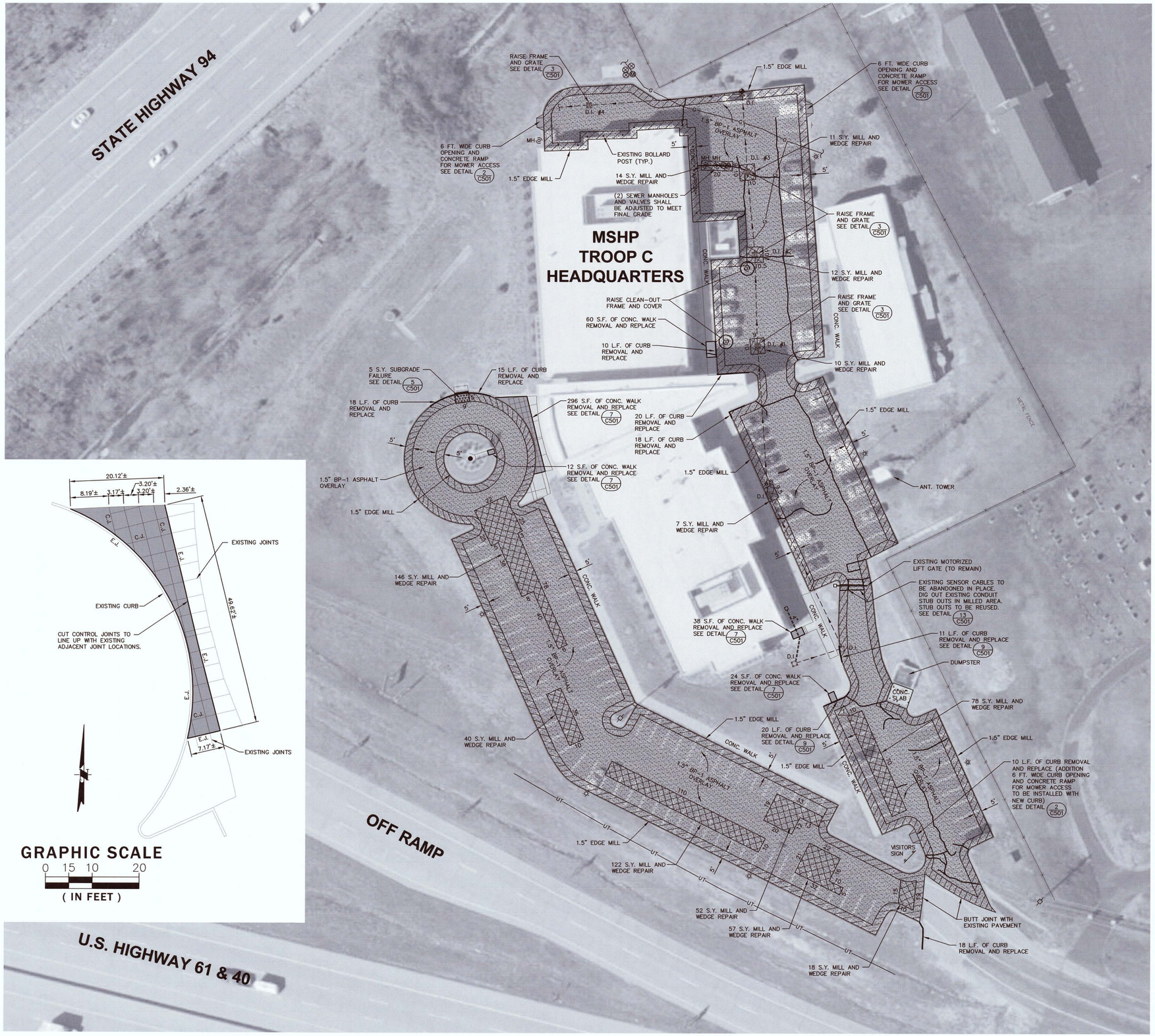
PROJECT NUMBER: R1905-01

SITE NUMBER: 6004
FACILITY NUMBER: 8136004003

MISSOURI STATE CERTIFICATE OF AUTHORITY: 00273655

STATE OF MISSOURI
SCOTT E. VOGLER
NUMBER E-22510
PROFESSIONAL ENGINEER
6/24/19

SHEET NUMBER:
G-001
1 OF 4 SHEETS
FEBRUARY, 2019



SYMBOLS / ABBREVIATIONS LEGEND

- EXISTING FENCE
- TREE
- EXISTING SIDEWALK
- NEW SIDEWALK
- SIGN
- LIGHT POLE
- EDGE OF EXISTING ASPHALT SURFACE
- EDGE OF EXISTING CONCRETE SURFACE
- EXISTING GAS MAIN
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING MANHOLE
- EXISTING CLEANOUT
- EXISTING POWER POLE
- VALVE (EXISTING)
- EXISTING DROP INLET FRAME AND GRATE
- CONC. WALK REMOVAL AND REPLACE (430 S.F.)
- SUB GRADE FAILURE (5 S.Y.) WITH 1.5" BP-1 ASPHALT OVERLAY
- 1.5" MILL AND WEDGE REPAIR (567 S.Y.) WITH 1.5" BP-1 ASPHALT OVERLAY
- 1.5" BP-1 ASPHALT OVERLAY (6640 S.Y.)
- 1.5" EDGE MILL AND BUTT JOINT (1589 S.Y.) WITH 1.5" BP-1 ASPHALT OVERLAY
- LARGE CRACK (760± L.F.)
- CURB REMOVAL AND REPLACE (141 L.F.)
- RAISE CLEAN-OUT FRAME AND COVER (2 EA.)
- 6FT WIDE CURB OPENING AND CONCRETE RAMP (3 EA.)
- RAISE D.I. FRAME AND GRATE (4 EA.)

GRAPHIC SCALE
0 15 30 60
(IN FEET)

UNDERGROUND UTILITY NOTE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS THE EXISTENCE OF WHICH IS AT PRESENT NOT KNOWN. VERIFICATION OF THE LOCATIONS OF UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, WILL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR.

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

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
SCOTT E. VOGLER
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PROFESSIONAL ENGINEER
6/21/19

SCOTT E. VOGLER
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LICENSE NO. E-22510

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FORTUNA, IL
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DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI STATE HIGHWAY PATROL

REBID
REPAIR PARKING LOTS AND DRIVEWAYS

TROOP C HEADQUARTERS
WELDON SPRING, MISSOURI

SAINT CHARLES COUNTY

PROJECT # R1905-01
SITE # 6004
FACILITY # 8136004003

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 2/11/2019

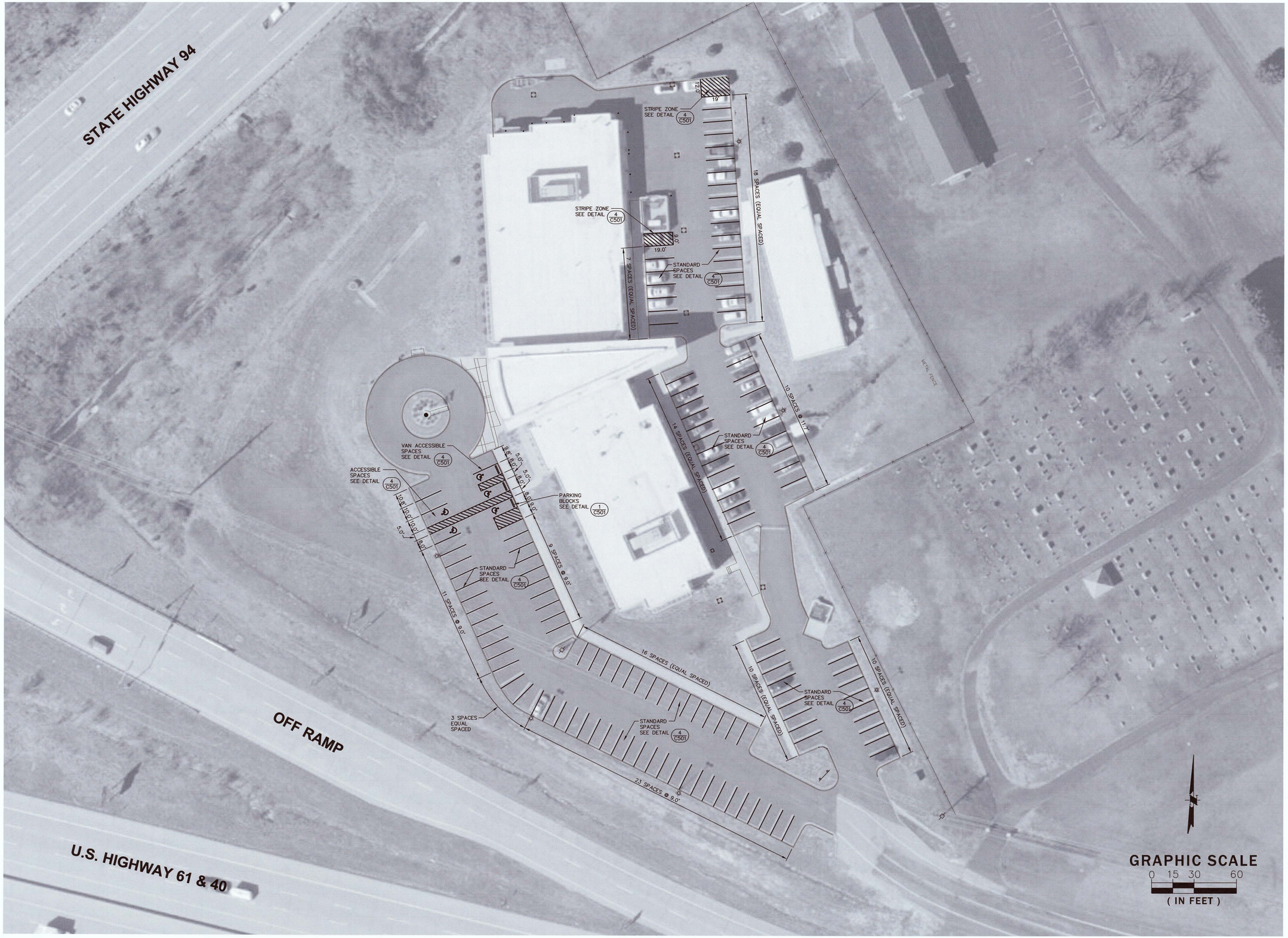
CAD DWG FILE: C-002
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
EXISTING SITE CONDITIONS AND REMOVAL

SHEET NUMBER:
C-101

SHEET02OF04
FEBRUARY,2019

I:\2020\248 State of MO\C34 Weldon Springs, Troop C Headquarters\248004Topo.dwg, SITE PLAN, 6/21/2019 2:02:48 PM, jstewart, 1:1



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

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REBID
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TROOP C HEADQUARTERS
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SAINT CHARLES COUNTY

PROJECT # R1905-01
SITE # 6004
FACILITY # 8136004003

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DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 2/11/2019

CAD DWG FILE: C-002
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

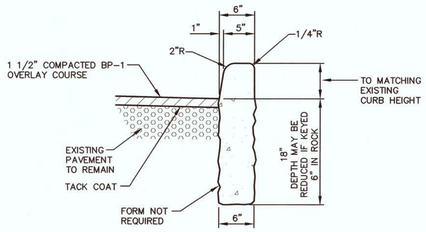
SHEET TITLE:
PAVEMENT MARKING PLAN

SHEET NUMBER:
C-102

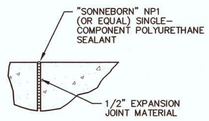
SHEET03OF04
FEBRUARY,2019

NOTES:

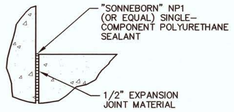
1. THE EXPANSION JOINT MATERIAL SHALL BE GRAY SPONGE RUBBER FULL DEPTH.
2. CONSTRUCTION JOINTS MAY BE SAWED, OR PRE-FORMED.
3. ALL JOINTS SHALL BE CUT AT 20' ON CENTER. ALL JOINTS SHALL BE FILLED WITH JOINT SEALER.
4. CONTRACTOR SHALL PLACE 4" OF COMPACTED MoDOT TYPE 5 AGGREGATE BASE UNDER ALL CURB.



9 / C501 BARRIER CURB
NO SCALE



12 / C501 EXPANSION JOINT
NO SCALE



11 / C501 EXPANSION JOINT
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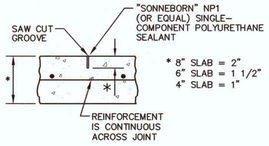
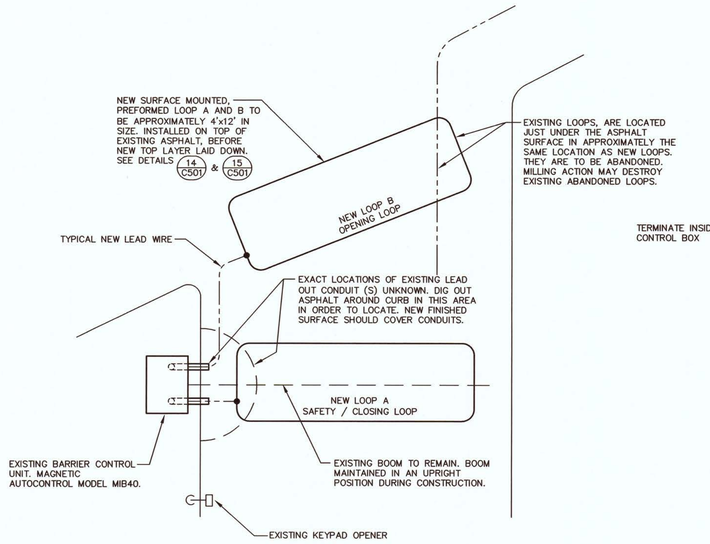
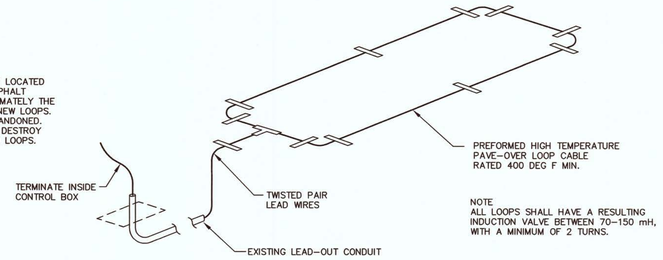


10 / C501 CONTROL JOINT
NO SCALE

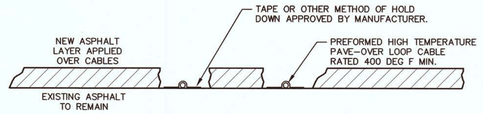


13 / C501 INDUCTION LOOP LAYOUT PLAN
NO SCALE

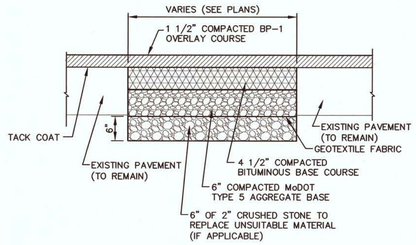


NOTE
ALL LOOPS SHALL HAVE A RESULTING INDUCTION VALVE BETWEEN 70-150 mH, WITH A MINIMUM OF 2 TURNS.

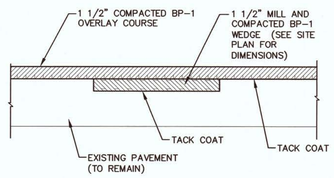
15 / C501 SURFACE MOUNT LOOP
NO SCALE



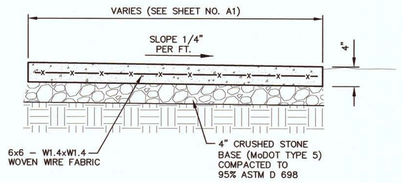
14 / C501 INDUCTION LOOP PAVE-OVER TYPE INSTALLATION
NO SCALE



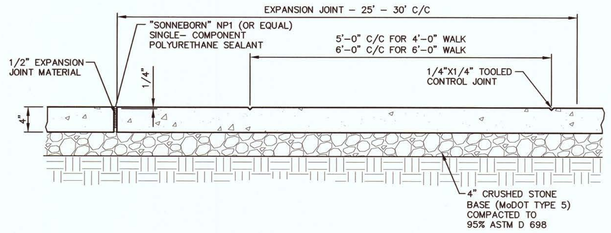
5 / C501 PAVEMENT PATCH (SUBGRADE FAILURE)
NO SCALE



6 / C501 MILL WITH WEDGE REPAIR AND OVERLAY
NO SCALE



7 / C501 CONCRETE SIDEWALK
NO SCALE



8 / C501 SIDEWALK CONTROL JOINTS
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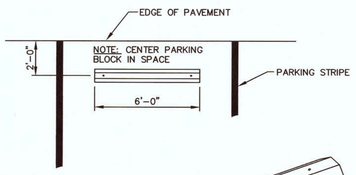

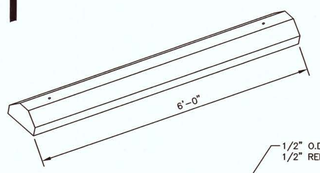

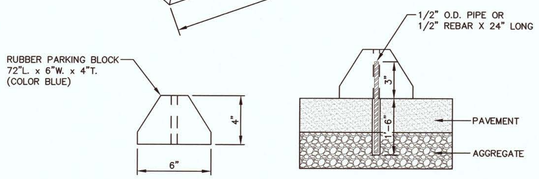

1 / C501 PARKING BLOCKS
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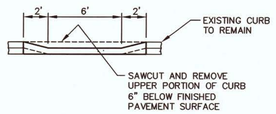
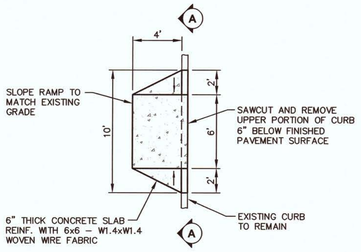


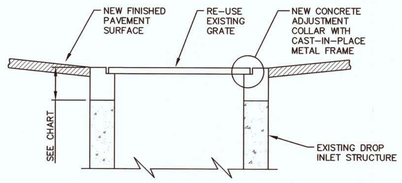
CURB SECTION A-A



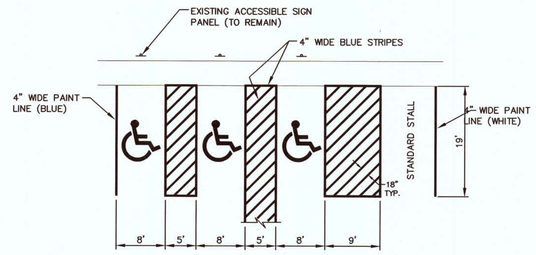
PLAN VIEW

2 / C501 MOWER ACCESS RAMP DETAILS
NO SCALE

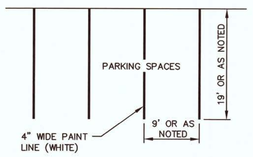
FRAME ADJUSTMENT CHART	
DROP INLET NO.	VERTICAL ADJUST
D.I. #1	5"
D.I. #2	4 1/2"
D.I. #3	3"
D.I. #4	2"



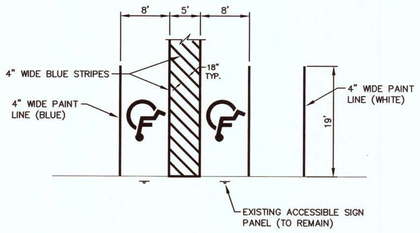
3 / C501 DROP INLET VERTICAL FRAME ADJUSTMENT
NO SCALE



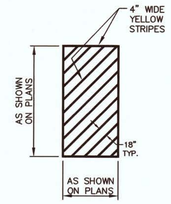
VAN ACCESSIBLE SPACES



STANDARD SPACES



UNIVERSAL ACCESSIBLE SPACES



STRIPE ZONE

4 / C501 TYPICAL PAVEMENT MARKING
NO SCALE

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
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6/3/19

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CAD DWG FILE: C-002
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
TYPICAL SECTIONS AND DETAILS

SHEET NUMBER:
C-501

SHEET04OF04
FEBRUARY,2019