# CLEMENT J. ZABLOCKI VA MEDICAL CENTER
# CLC ROAD LOOP FINAL WEAR COURSE

## 5000 W. NATIONAL AVE
## MILWAUKEE, WI 53295-001

## CONSTRUCTION DOCUMENTS
## 11 SEPTEMBER 2015

6

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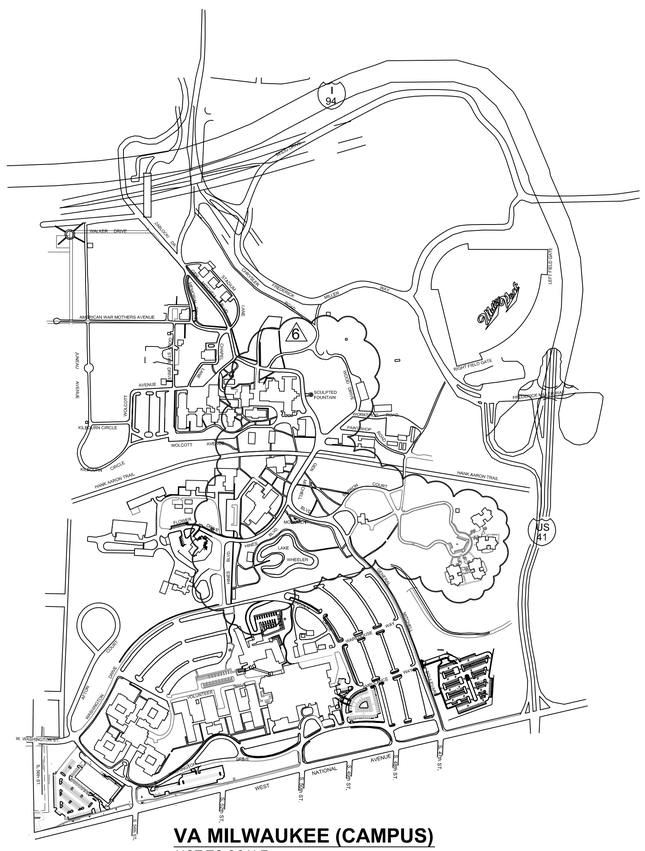
**IDIQ JOC Contract No: VA69D-15-D-0021**

**GENERAL NOTE:**

1. THE ESTIMATED START DATE IS 2 MAY 2016




**VA MILWAUKEE (CAMPUS)**
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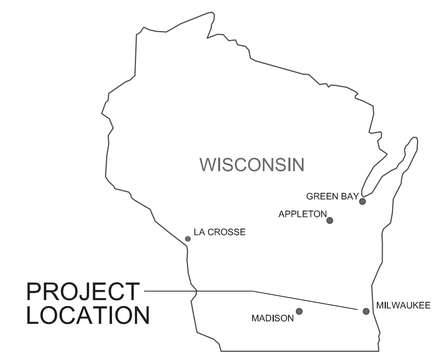


**LOCATION MAP**
NOT TO SCALE

# AMENDMENT 008
# AVAILABLE DRAWINGS

TRUE NORTH
PLAN NORTH

| Revisions: | Date |
|---|---|
| 6 AMENDMENT 006 | 01/05/16 |
| 8 AMENDMENT 008 | 01/11/16 |

Dept. of Veterans Affairs
Medical Center
5000 W. National Avenue
Milwaukee, WI

**ARCHITECT/ENGINEERS:**
Clement J. Zablocki VAMC
Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: COVER SHEET

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: TJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: G001

Dwg. 1 of 12

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

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NOTES:

TEMPORARY CONTROLS TO BE REMOVED AT PROJECT STABILIZATION

- SILT FENCE/STRAW BALES
- TEMPORARY INLET PROTECTION

SEED MIXES PER SPECIFICATIONS.

CONTRACTOR SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE TECHNICAL STANDARDS AND WISDOT EROSION CONTROL PRODUCT ACCEPTABILITY LISTS.

EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON SITE.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE BUT NO LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY. WRITTEN REPORTS, EROSION AND SEDIMENT CONTROL INSPECTIONS ARE AS REQUIRED BY WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR).

SILT FENCE SHALL BE INSTALLED IN LOCATIONS SHOWN ON CONSTRUCTION PLANS. SILT FENCE SHALL BE INSTALLED PER DETAILS ON SHEET C500.2. SEDIMENT DEPOSITS: REMOVE FROM BEHIND SILT FENCE WHEN DEPOSITS REACH DEPTH OF 6 INCHES. SILT FENCE: REPAIR OR REPLACE TO MAINTAIN BARRIER.

EROSION CONTROL MEASURES SHALL BE MAINTAINED ON CONTINUING BASIS UNTIL SITE IS PERMANENTLY STABILIZED. SITE STABILIZATION INVOLVING SEEDING WHICH IS NOT COMPLETED PRIOR TO SEPTEMBER 15 SHALL BE COMPLETED WITH DORMANT SEEDING BY NOVEMBER 1. SODDING MAY OCCUR ANYTIME SOD IS AVAILABLE AND SOD AND SOIL IS NOT FROZEN.

INLET GRATE SCREENS SHALL BE INSTALLED ON EXISTING AND PROPOSED INLETS AND CATCH BASINS. FOR STRUCTURES IN DISTURBED AREAS THAT WILL NOT BE FINISHED AND VEGETATION ESTABLISHED WITHIN 30 DAYS, CURB INLET SEDIMENT BARRIERS SHALL BE USED IN LIEU OF INLET GRATE SCREENS. INLET PROTECTION SHALL BE PER PLAN AND DETAILS ON SHEET C500.2.

EROSION CONTROL MEASURES MUST BE IN PLACE AT END OF EACH WORKDAY.

SEDIMENT DEPOSIT/TRACKING FROM CONSTRUCTION WORK OR STORM EVENTS: CLEAN UP BY END OF EACH DAY. FLUSHING NOT ALLOWED

WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR HAVE TEMPORARILY BEEN SUSPENDED FOR MORE THAN FOURTEEN DAYS, OR WHEN FINAL GRADES ARE REACHED IN ANY PORTION OF SITE, STABILIZATION SHALL BE IMPLEMENTED WITHIN SEVEN DAYS. TEMPORARY STABILIZATION PRACTICES SUCH AS MULCH/TACKIFIER, EROSION MAT, OR WISDOT TYPE B SOIL STABILIZER (POLYMER) SHALL BE APPLIED TO SOIL SURFACE WHEN SITE IS NOT READY FOR PERMANENT RESTORATION. WHEN STABILIZATION NOT POSSIBLE DUE TO SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.

DUST CONTROL SHALL BE IMPLEMENTED THROUGHOUT CONSTRUCTION AND SHALL UTILIZE METHODS OUTLINED IN WDNR TECH STD. 1068. AT MINIMUM, WATER SPRAY OPEN SOIL AND TRACKING ONCE EACH WORK DAY.

MINIMIZE REMOVAL OF VEGETATIVE COVER AND EXPOSURE OF BARE GROUND. PROVIDE SEEDING AND MULCHING, SODDING, DIVERSION OF SURFACE RUNOFF, INSTALLATION OF STRAW BALES OR SILT SCREENS, CONSTRUCTION OF SETTLING BASINS, OR SIMILAR METHODS AS SOON AS POSSIBLE AFTER REMOVAL OF ORIGINAL GROUND COVER AS DESCRIBED IN WISCONSIN DNR TECHNICAL STANDARDS. ANY STOCKPILE THAT REMAINS OVER 7 DAYS MUST BE STABILIZED WITH MIXTURE NO. 20 FROM WISDOT SECTION 630.

STORM WATER AND GROUND WATER PUMPED FROM EXCAVATIONS AND/OR DEWATERING WELLS SHALL BE DISPOSED OF IN ACCORDANCE WITH WISCONSIN STATUTES. SEDIMENT BASINS, SEDIMENT TRAPS AND/OR USE OF POLYMERS TO CONTROL SEDIMENT: NOT ALLOWED. DISCHARGE OR PUMPED WATER TO SANITARY SEWERS: NOT ALLOWED.

EROSION MAT SHALL CONSIST ENTIRELY OF BIODEGRADABLE COMPONENTS. EVERY SQUARE INCH SHALL BE SECURED TO GROUND: NO BUCKLING, NO GAPS.

AFTER SITE IS UNIFORMLY STABILIZED ACROSS 80% OF SITE AREA. REMOVE TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF PROPERLY.

MAINTAIN LOG OF EROSION CONTROL INSPECTIONS, REPAIRS MADE, AND RAIN EVENTS. SUBMIT WITH PAY REQUESTS.

PLACE MINIMUM OF 6 INCHES OF TOPSOIL IN AREAS TO RECEIVE PERMANENT SEEDING. MILL, GRIND, AND SCREEN SOD AND TOPSOIL REUSED FROM SITE CLEARING AND GRUBBING. OFF-SITE TOPSOIL: TEST (PHYSICAL AND CHEMICAL) AND PROVE MEETS SPECIFICATIONS, PER EACH SOURCE, AND SUBMIT SAMPLES BEFORE DELIVERY, NUMBER AND TYPE SPECIFIED.

NOTES:

MAINTAIN CONDITION OF EXISTING TREES/SHRUBS/VEGETATION AND SOD DURING CONSTRUCTION, TO REMAIN AS PART OF THIS CONTRACT. REPAIR ANY DAMAGE AT NO COST TO GOVERNMENT.

RESTORE, SEED & MULCH GRASSED AREAS DISTURBED AS PART OF WORK ASSOCIATED WITH THIS CONTRACT.

## INLET PROTECTION

EXISTING CATCH BASINS TO BE PROTECTED WITH WISDOT TYPE "B" INLET PROTECTION DURING CONSTRUCTION ACTIVITIES.

GENERAL CONTRACTOR RESPONSIBLE FOR REMOVING INLET PROTECTION FROM INLETS IDENTIFIED ON THIS PLAN AND IN NOTES ABOVE (FOR PLAN CLARITY) FOLLOWING SITE STABILIZATION OR PAVING COMPLETION.

| Revisions: | Date |
|---|---|

ARCHITECT/ENGINEERS:

Clement J. Zablocki VAMC
Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: EROSION CONTROL NOTES

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: TJM | Drawn: MJM

Project Number: 695-16-113

Building Number:

Drawing Number: G002

Dwg. 2 of 12

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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LEGEND:

EXISTING TREE WITH HISTORIC VALUE

EXISTING TREE

BENCHMARK

NG — NG — NG — GAS LINE

CW — CW — CW — WATER LINE

SD — SD — SD — STORM SEWER LINE

SAN — SAN — SAN — SANITARY SEWER LINE

E — E — E — E — UNDERGROUND ELECTRIC

T — T — T — COMMUNICATIONS LINE

E — ELECTRICAL PEDESTAL

SD — STORM MANHOLE

S — SANITARY MANHOLE

WATER VALVE

LIGHT POLE

CATCH BASIN

X — X — X — FENCE LINE

665 — EXISTING CONTOUR LINE

665 — PROPOSED CONTOUR

665.33' — PROPOSED SPOT ELEVATION

3:1 — PROPOSED SLOPE INDICATOR

SILT FENCE

X — X — X — X — APPROXIMATE TEMPORARY CONSTRUCTION FENCE LOCATION

EXISTING POWER POLE/GUY WIRE

E — ELECTRICAL MANHOLE

635.1' — FINISHED SPOT ELEVATION

TOC 636.0' — TOP OF CURB ELEVATION

TOW: 636.0' — TOP OF WALL ELEVATION

FLOW ARROW

STORM MANHOLES, INLETS AND SANITARY MANHOLE SCHEDULE COMPILED FROM SIGMA GROUP SURVEY INFORMATION

TOPOGRAPHIC MAP COMPLETED BY THE SIGMA GROUP IN JANUARY, 2013.

SUPPLEMENTAL TOPOGRAPHIC MAP OF LAND ACQUISITION PARCEL COMPLETED JULY 2013.

## UTILITY NOTES:

UTILITIES SHOWN ARE AS REPORTED TO DESIGN TEAM AND INDICATED ON EXISTING UTILITY BASE PLAN. NO ATTEMPTS HAVE BEEN MADE TO EXCAVATE, UNCOVER, OR EXPOSE UNDERGROUND UTILITIES TO VERIFY THEIR SIZE, DEPTH, CONDITION, OR EXACT LOCATION. FOR ADDITIONAL INFORMATION PLEASE CONTACT ONE OF CONTACTS LISTED BELOW

COR
MARK MOBLEY
PROJECT MANAGER, ZABLOCKI VA
PHONE: 414–384–2000 EXT. 41039
EMAIL: MARK.MOBLEY@VA.GOV

ONE CALL SYSTEM
ALL LINES UTILITY SERVICES
414–302–9750
OR
PRIVATE LINES INC.
888–246–0220

UTILITY ISSUES
VA GRAPHICS CENTER
ZABLOCKI VA
PHONE: 414–384–2000 EXT. 41010

PROVIDE SURVEYING SERVICES:

PROVIDE PRE–CONSTRUCTION WI–R.L.S. STAMPED SURVEY AND MAP AT SCALE 1"=50', WITH WORK AREAS AT 1"–10'. SURVEY SHALL INCLUDE TOPOGRAPHIC CONTOURS AT 0.2–FOOT INTERVALS, AND SHOW STRUCTURES, UTILITIES, BACK OF CURB, FRONT AND BACK OF GUTTER FLANGE, WORK LAYOUT STATIONING, TREES, SHRUBS, LIGHT POSTS, HYDRANTS, BOLLARDS, SIGNS INCLUDING TEMPORARY SIGNAGE, AND THREE ELEVATION BENCHMARKS. ELEVATIONS SHALL BE IN WISCONSIN STATE PLANE SYSTEM.

PROVIDE POST–CONSTRUCTION WI–R.L.S. STAMPED AS–BUILT DRAWING, SHOWING FINISHED GRADE ELEVATIONS.

WORK PHASING NOTES:

1) MAINTAIN ACCESS TO ONE SIDE OF CLC LOOP AT A TIME.
2) FOLLOWING WORK AREAS SHALL BE WEEKEND WORK:
   a. AT EXISTING CLC BUILDING 146 PARKING LOTS
   b. AT INTERSECTION OF RED ARROW DRIVE AND CLC LOOP.
   c. ALL WORK ALONG RED ARROW DRIVE.
3) DO NOT CLOSE BOTH BARRON COURT AND RED ARROW DRIVE AT SAME TIME. MAINTAIN ONE OF THE TWO ROADS OPEN.
4) WHEN ROADS CLOSED PROVIDE SIGNAGE:
   a. DETOUR, WITH ARROW
   b. CAUTION CONSTRUCTION AHEAD
   c. ROAD WORK AHEAD
   d. SIDEWALK CLOSED
   e. RELOCATE EXISTING SIGNS ON CONCRETE BASES TO LOCATIONS WHERE SHOWN BY COR.
5) MAINTAIN ACCESS TO BUILDING 39 PARKING LOT.
6) WHERE ROADS CLOSED, PROVIDE BARRICADES ACROSS TRAFFIC LANES.

## GENERAL NOTES

1. EXISTING CONDITIONS AND TOPOGRAPHIC FEATURES, INCLUDING UTILITIES, HAVE BEEN LOCATED FROM FIELD LOCATES BY ALL–LINES AND SURVEY BY THE SIGMA GROUP DATED JULY 2013 AND/OR UTILITY RECORDS.
2. COMPLY WITH CONDITIONS OF PERMITS OBTAINED IN CONJUNCTION WITH THIS WORK. COPIES OF PERMITS, ARE AVAILABLE IN PROJECT MANUAL OR FROM OWNER UPON REQUEST.
3. PROVIDE FLAGMEN WHERE IMPACTS TO VEHICULAR AND PEDESTRIAN TRAFFIC ARE POTENTIALLY CONFUSING, SUCH AS DETOURS, CONSTRUCTION MACHINE OPERATING AREAS, WORK NEAR PARKING LOTS, AND VA OPERATIONS AREAS SUCH AS VALET AND WAREHOUSE SERVICES.
4. COMPLY WITH PERTINENT PROVISIONS OF "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" ISSUED BY U.S. DEPARTMENT OF LABOR.
5. TEMPORARY TRAFFIC CONTROL REQUIRED IN ORDER TO COMPLETE SITE WORK. NOTIFY CONTRACTING OFFICER'S REPRESENTATIVE (COR) TWO WEEKS BEFORE, AND AGAIN 24 HRS. PRIOR TO IMPACTING ANY TRAFFIC LANES OR PARKING LOTS. TEMPORARY TRAFFIC CONTROL INCIDENTAL TO CONSTRUCTION ACTIVITIES.
6. PROTECT UTILITIES, TREES AND SITE IMPROVEMENTS TO REMAIN. DAMAGE TO EXISTING UTILITIES, TREES OR SITE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED BY CONTRACTOR. NECESSARY REPAIR TO OWNER'S SPECIFICATIONS AND COORDINATED WITH ZABLOCKI VAMC COR. REPAIRS FOR DAMAGE AT CONTRACTOR'S EXPENSE. WHERE UTILITIES ARE WITHIN EXCAVATIONS, FILL WITH FLOWABLE FILL TO BASE GRADE, THEN PAVE OVER (TOPSOIL AND GRASS IN LAWN AREAS).
7. IN EVENT OF DISCREPANCIES AND ERRORS FOUND IN DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR SHALL NOTIFY COR IMMEDIATELY, PRIOR TO PROCEEDING WITH WORK.
8. CONTROL POINTS AND COORDINATES LISTED ARE BASED ON SURVEY PREPARED BY THE SIGMA GROUP. VERIFY CONTROL POINTS IN FIELD AND WITH THE SIGMA GROUP TO CONFIRM VALID PRIOR TO CONSTRUCTING SITE LAYOUT.
9. CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE ADVANCED NOTICE TO DIGGER'S HOTLINE AND PAY FOR PRIVATE UTILITY LOCATION SERVICES NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.
10. EXISTING CONDITIONS: FIELD VERIFY PRIOR TO COMMENCEMENT OF WORK. DISCREPANCIES TO BE REPORTED TO COR PRIOR TO STARTING WORK.
11. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND SETTING BENCHMARKS THROUGHOUT SITE AS NEEDED PRIOR TO COMMENCING CONSTRUCTION.
12. MAINTAIN CONDITION OF EXISTING TREES/SHRUBS/VEGETATION AND SOD DURING CONSTRUCTION, TO REMAIN AS PART OF THIS CONTRACT. DAMAGE TO BE REPAIRED OR REPLACED BY CONTRACTOR AT NO COST TO GOVERNMENT.
13. PER SPECIFICATIONS RESTORE, SEED & MULCH, WATER, WEED, AND GUARANTEE GROWTH OF GRASS IN GRASSED AREAS DISTURBED AS PART OF WORK ASSOCIATED WITH THIS CONTRACT.
14. OBTAIN SUBMITTAL APPROVALS FOR SCHEDULE AND MATERIALS TO BE UTILIZED PRIOR TO BEGINNING WORK AT SITE.
15. TERMS "PROFESSIONAL LAND SURVEYOR", "REGISTERED LAND SURVEYOR", AND "R.L.S." SHALL HAVE EQUAL MEANING ON THIS CONTRACT. REFER TO REQUIREMENTS IN SECTION 010000.

Revisions: Date

VA FORM 08-6231

ARCHITECT/ENGINEERS:
Clement J. Zablocki VAMC
Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: CIVIL AND SURVEY NOTES

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: TJM | Drawn: MJM

Project Number: 695-16-113

Building Number:

Drawing Number: G003

Dwg. 3 of 12

Office of Construction and Facilities Management

Department of Veterans Affairs

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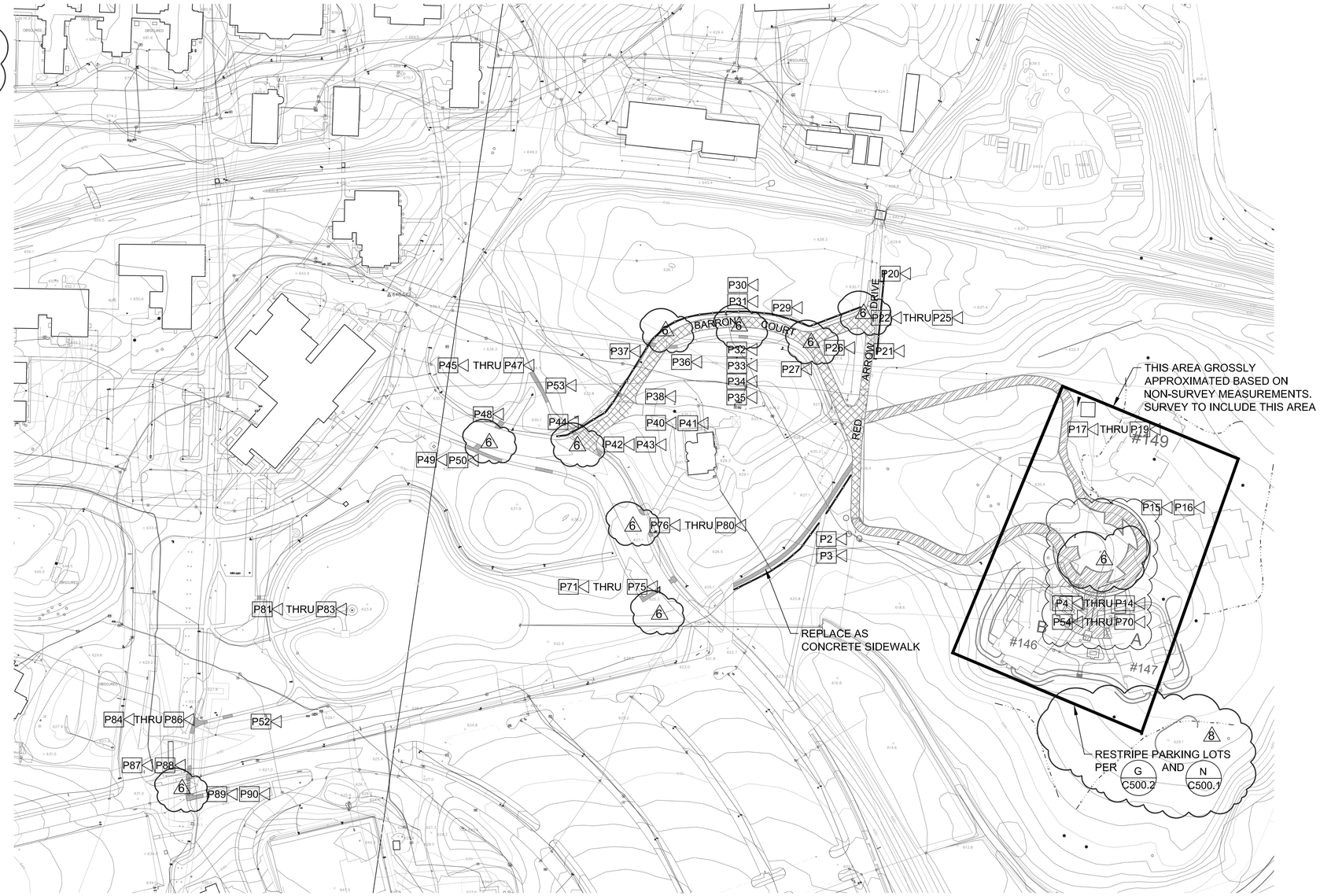
PXX PICTURE REFERENCE NUMBER.




N

SITE PLAN 8

0 100' 200'

8

DELETED NOTE TO FIELD VERIFY DIMENSIONS .

| Revisions: | Date |
|---|---|
| 6 AMENDMENT 006 | 01/05/16 |
| 8 AMENDMENT 008 | 01/11/16 |

Medical Center
5000 W. National Avenue
Milwaukee, WI

**ARCHITECT/ENGINEERS:**

**Clement J. Zablocki VAMC**
**Facility Management Division**

**Engineer: MARK MOBLEY, PE**
**Designer: MARK MOBLEY, PE**

Drawing Title: **SITE PLAN**

Approved (Project Director): **Troy Martinson, PE**

Project Title: **CLC ROAD LOOP FINAL WEAR COURSE**

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: MJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: C100

Dwg. 4 of 12

**Office of Construction and Facilities Management**

Department of Veterans Affairs

VA FORM 08-6231

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## NOTES:

SIDEWALKS PER D / C500.2 (TYP.)

1. DIMENSIONS INCLUDE RAMP LOCATIONS, BUT NEW RAMPS ARE TYPICALLY LARGER THAN EXISTING. SEE DETAILS, INCLUDE IN BID COSTS TO PROVIDE RAMPS, CURB AND GUTTER REPLACEMENT, CURB CUTS, EXCAVATION, BACKFILL AND COMPACTION, SITE RESTORATION AND CLEANUP
2. WHERE RAMPS ARE LOCATED ABUTTING CONCRETE CURB AND GUTTER, ALLOW FOR 28' REMOVAL AND REPLACEMENT OF CURB AND GUTTER. WHERE ASPHALT, ALLOW 18' OF NEW CURB PER DETAIL . F / C500.1 6

**SITE PLAN** 8

0 40' 80'

BID SIDEWALK TO DIMENSIONS SHOWN. VERIFY LOCATIONS WITH COR 8

| Revisions: | Date |
|---|---|
| 6 AMENDMENT 006 | 01/05/16 |
| 8 AMENDMENT 008 | 01/11/16 |

Medical Center
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**ARCHITECT/ENGINEERS:**

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Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: SITE PLAN

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: MJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: C200

Dwg. 5 of 12

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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## NOTES:

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SIDEWALKS PER D C500.2 (TYP.)

E1 C500.2 — SILT FENCE LOCATION

OLD ROADS: MILLING, TACK COAT, LEVELING COURSE, GLASSPAVE 25, ASPHALT PAVEMENTWEAR COURSE, , SEAL COAT ONE YEAR LATER (TYP. FOR OLD PAVEMENT)

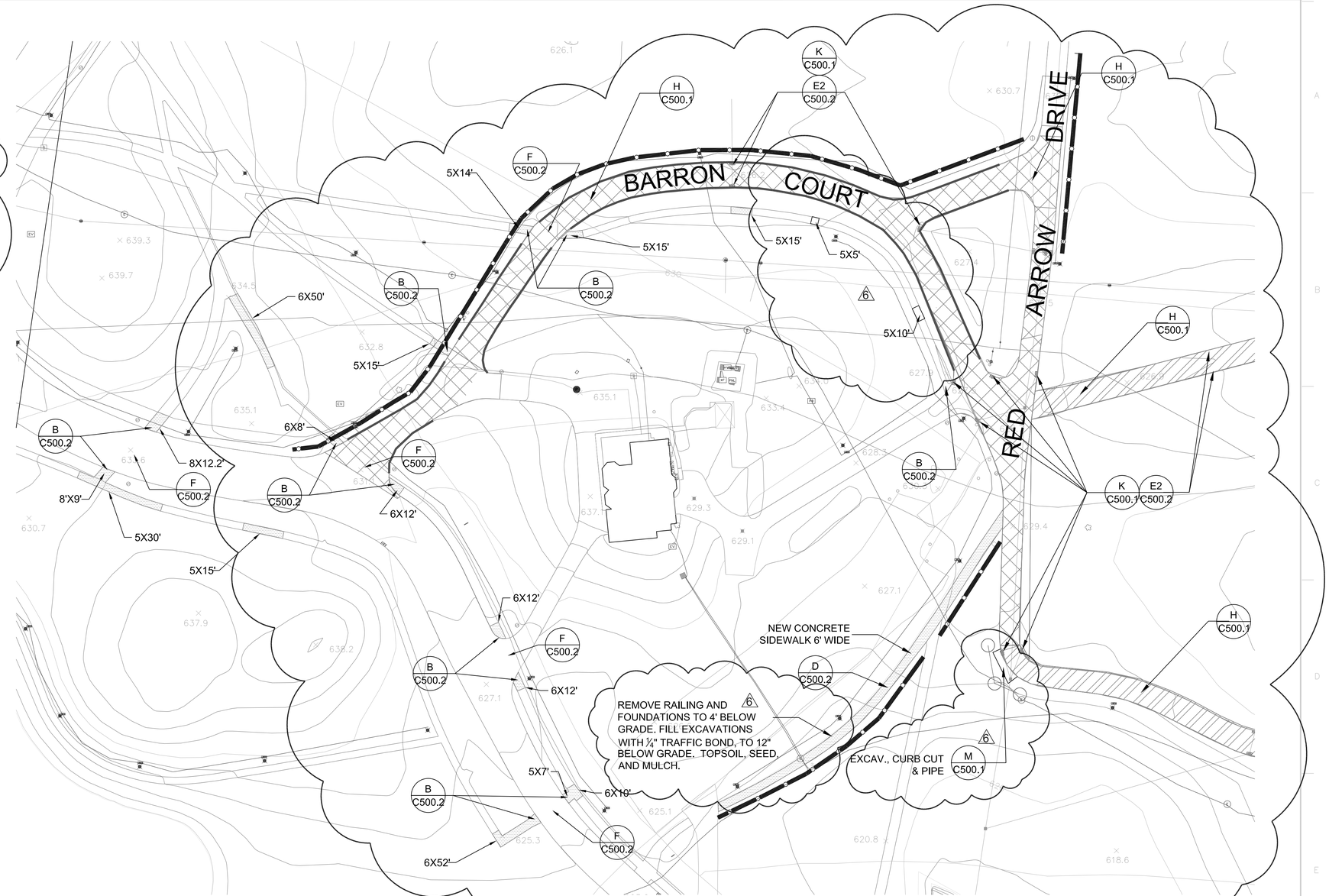
CLC ROADS: MILLING, TACK COAT, ASPHALT PAVE,MENT, WEAR COURSE, SEAL COAT ONE YEAR LATER (TYP. FOR CLC PAVEMENT)

REPLACE ASPHALT CURB PER F C500.1

1. DIMENSIONS INCLUDE RAMP LOCATIONS, BUT NEW RAMPS ARE TYPICALLY LARGER THAN EXISTING. SEE DETAILS, INCLUDE IN BID COSTS TO PROVIDE RAMPS, CURB AND GUTTER REPLACEMENT, CURB CUTS, EXCAVATION, BACKFILL AND COMPACTION, SITE RESTORATION AND CLEANUP.

2. WHERE RAMPS ARE LOCATED ABUTTING CONCRETE CURB AND GUTTER, ALLOW FOR 28' REMOVAL AND REPLACEMENT OF CURB AND GUTTER. WHERE ASPHALT, ALLOW 18' OF NEW CURB PER DETAIL F C500.1

3. BID ALTERNATE 1 DEDUCTS ASPHALT CURB REPLACEMENT, EXCEPT AT RAMPS. 8




**SITE PLAN** 8

0 40' 80'

BID SIDEWALK TO DIMENSIONS SHOWN. VERIFY LOCATIONS WITH COR 8

| | |
|---|---|
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Medical Center
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**ARCHITECT/ENGINEERS:**

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**Facility Management Division**

**Engineer: MARK MOBLEY, PE**
**Designer: MARK MOBLEY, PE**

Drawing Title: **SITE PLAN**

Approved (Project Director): **Troy Martinson, PE**

Project Title: **CLC ROAD LOOP FINAL WEAR COURSE**

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: MJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: C300

Dwg. 6 of 12

**Office of Construction and Facilities Management**

Department of Veterans Affairs

VA FORM 08-6231

Q:\16 NRM\695-16-113 CLC Road Loop Final Wear Course\03-Construction\01-Procurement\06 - Amendments\01-Drawings\695-16-113_Site Plan.dwg 1-11-16 02:10:20 PM VHAMWMobleM

## NOTES: 6

1) SUBMIT STRIPING SHOP DRAWINGS WITH SURVEY MAP.
2) PAVED AREAS: SWEEP CLEAN, SET INLET PROTECTION BEFORE MILLING.

8

DELETED NOTE 3.

E1 C500.2 — SILT FENCE LOCATION 8

OLD ROADS: MILLING, TACK COAT, LEVELING COURSE, GLASSPAVE 25, ASPHALT PAVEMENTWEAR COURSE, SEAL COAT ONE YEAR LATER (TYP. FOR OLD PAVEMENT)

CLC ROADS: MILLING, TACK COAT, ASPHALT PAVE,MENT, WEAR COURSE, SEAL COAT ONE YEAR LATER (TYP. FOR CLC PAVEMENT)

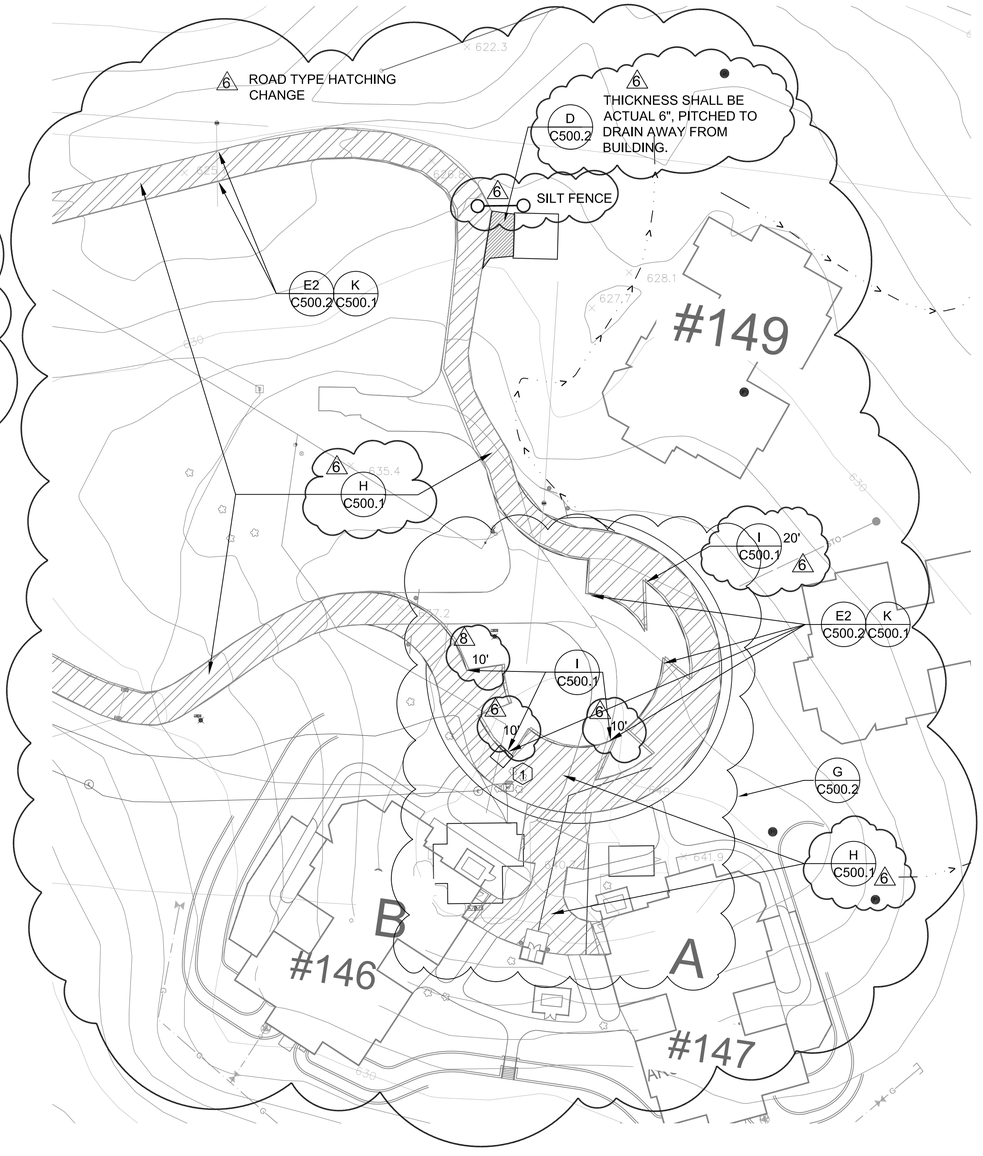
RAMPS: 8

1. DIMENSIONS INCLUDE RAMP LOCATIONS, BUT NEW RAMPS ARE TYPICALLY LARGER THAN EXISTING. SEE DETAILS, INCLUDE IN BID COSTS TO PROVIDE RAMPS, CURB AND GUTTER REPLACEMENT, CURB CUTS, EXCAVATION, BACKFILL AND COMPACTION, SITE RESTORATION AND CLEANUP.
2. WHERE RAMPS ARE LOCATED ABUTTING CONCRETE CURB AND GUTTER, ALLOW FOR 28' REMOVAL AND REPLACEMENT OF CURB AND GUTTER. WHERE ASPHALT, ALLOW 18' OF NEW CURB PER DETAIL F C500.1

## KEYED NOTES: 8

1 EXCAVATE TO EXPOSE 2' AROUND 10'X10' VAULT. BREAK AND REMOVE VAULT WALLS AND FILL MATERIAL INSIDE IT TO 4' DEPTH.

FILL VOID WITH FLOWABLE FILL PER SPECIFICATIONS, TO BASE OF NEW PAVEMENT, REPAIR PER H C500.1 AS CLC ROAD.




N

SITE PLAN 8

0 40' 80'

BID SIDEWALK TO DIMENSIONS SHOWN. VERIFY LOCATIONS WITH COR 6

| Revisions: | Date |
|---|---|
| 6 AMENDMENT 006 | 01/05/16 |
| 8 AMENDMENT 008 | 01/11/16 |

VA FORM 08-6231

Medical Center
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**ARCHITECT/ENGINEERS:**
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Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

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Approved (Project Director): Troy Martinson, PE

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Location: Milwaukee VAMC, Milwaukee WI

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Project Number: 695-16-113

Building Number:

Drawing Number: C400

Dwg. 7 of 12

Office of Construction and Facilities Management

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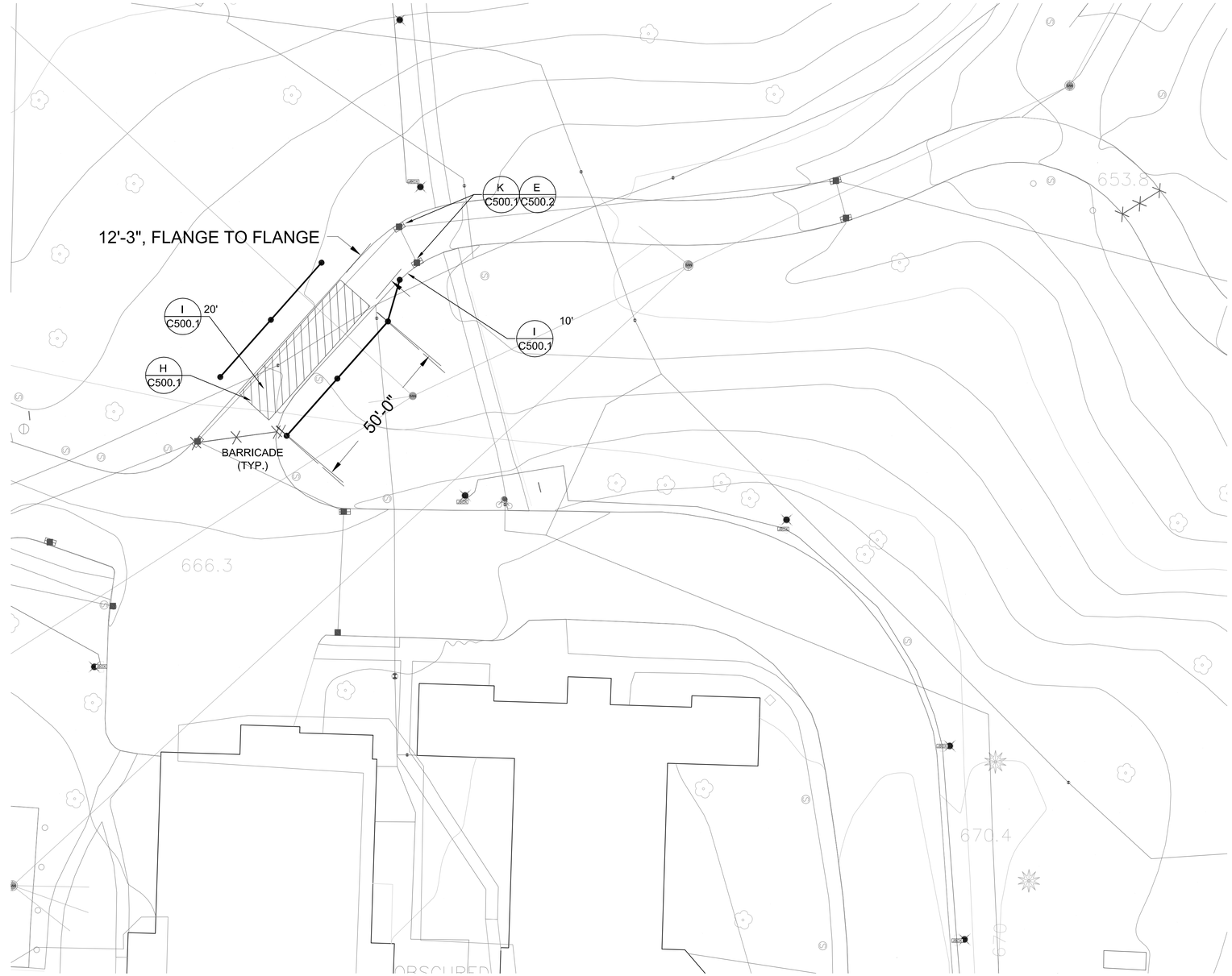
## NOTES:

1) MODIFY H/C500.1 TO MILL 4", REPLACE WITH 4" NEW ASPHALT TO MATCH EXISTING GRADE. NO GLASSPAVE 25.
2) WORK SHALL BE WEEKEND WORK.
3) PROVIDE DETOUR SIGNAGE.




6 NEW SHEET

N

SITE PLAN 8
0 20' 40'

BID TO DIMENSIONS SHOWN. VERIFY LOCATIONS 8 WITH COR

| Revisions: | Date |
|---|---|
| 6 AMENDMENT 006 | 01/05/16 |
| 8 AMENDMENT 008 | 01/11/16 |

Medical Center
5000 W. National Avenue
Milwaukee, WI

**ARCHITECT/ENGINEERS:**
Clement J. Zablocki VAMC
Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: PATCHING PLAN

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: MJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: C400.1

Dwg. 8 of 12

Office of Construction and Facilities Management

VA FORM 08-6231

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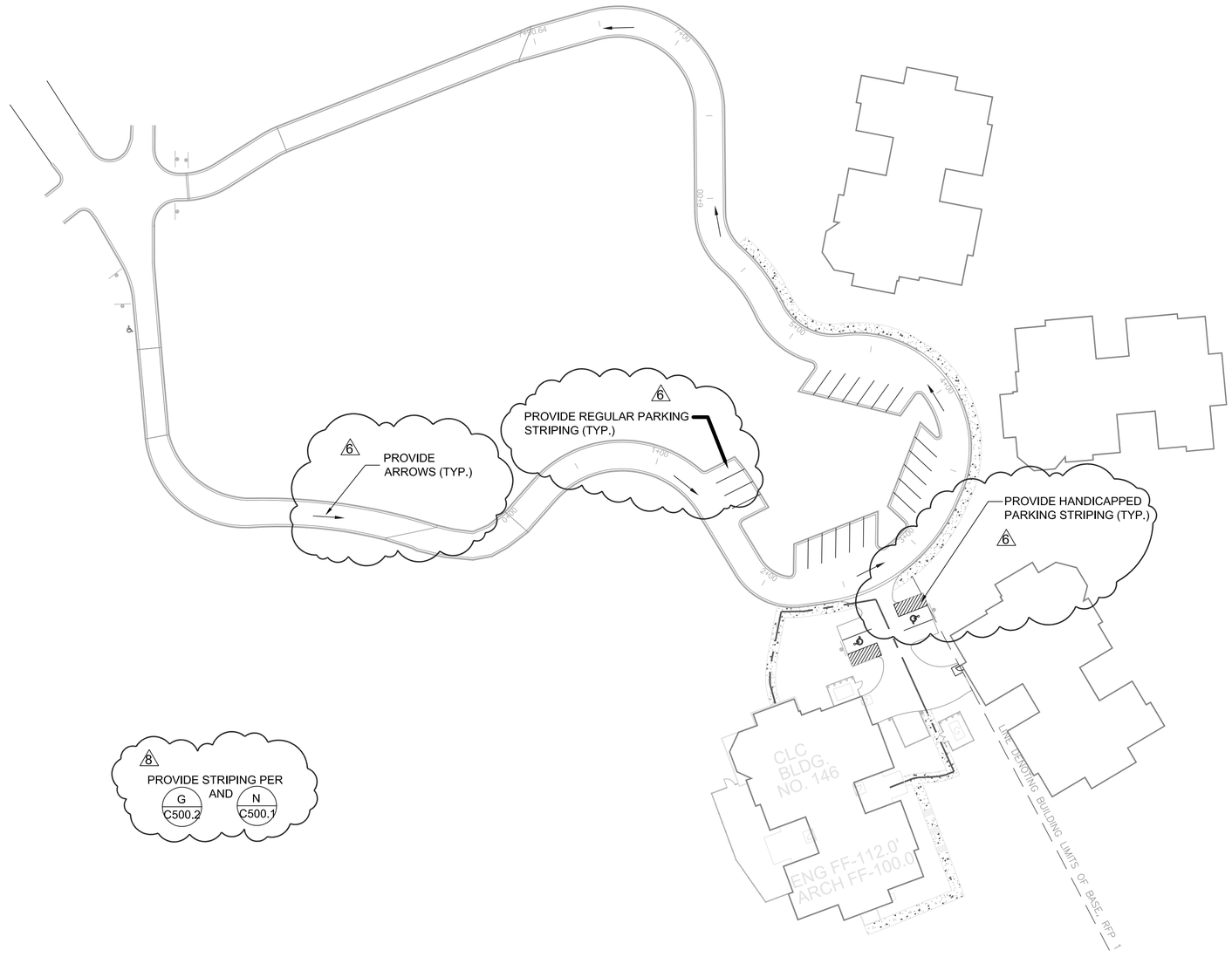


N

**SITE PLAN** 8

0 40' 80'

8

DELETED NOTE TO FIELD VERIFY DIMENSIONS .

| Revisions: | Date |
|---|---|
| 6 AMENDMENT 006 | 01/05/16 |
| 8 AMENDMENT 008 | 01/11/16 |

Medical Center
5000 W. National Avenue
Milwaukee, WI

**ARCHITECT/ENGINEERS:**

**Clement J. Zablocki VAMC**
**Facility Management Division**

**Engineer: MARK MOBLEY, PE**
**Designer: MARK MOBLEY, PE**

Drawing Title: **STRIPING PLAN**

Approved (Project Director): **Troy Martinson, PE**

Project Title: **CLC ROAD LOOP FINAL WEAR COURSE**

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: MJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: **C400.2**

Dwg. 9 of 12

**Office of Construction and Facilities Management**

Department of Veterans Affairs

VA FORM 08-6231

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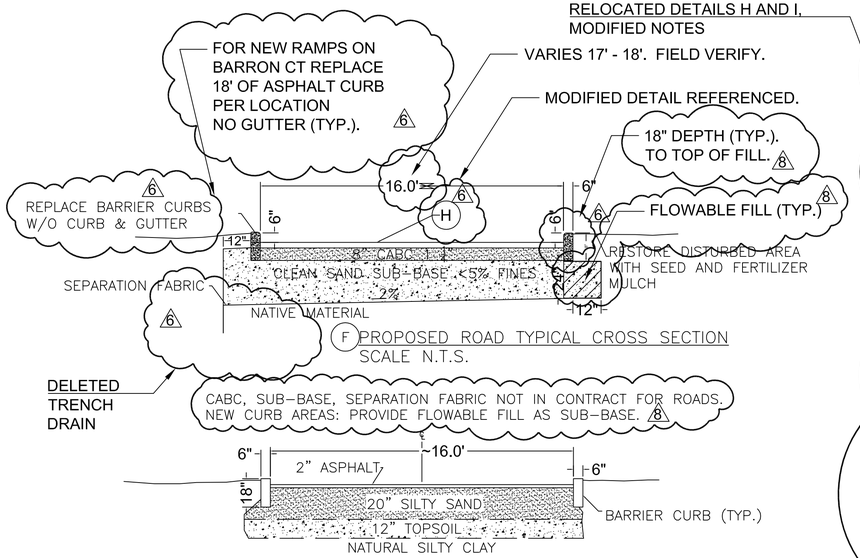
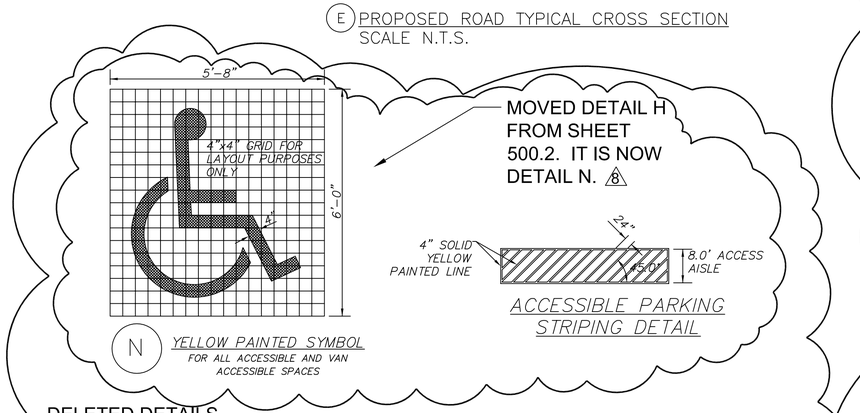
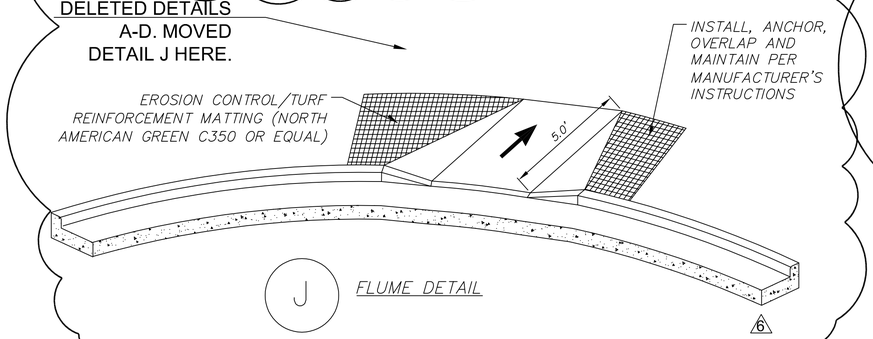



F PROPOSED ROAD TYPICAL CROSS SECTION
SCALE N.T.S.

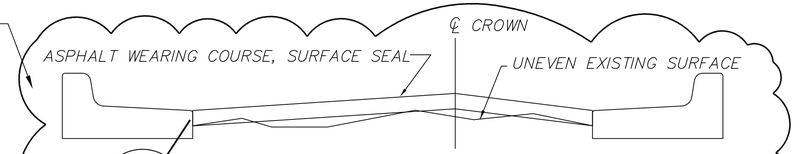
E PROPOSED ROAD TYPICAL CROSS SECTION
SCALE N.T.S.




N YELLOW PAINTED SYMBOL
FOR ALL ACCESSIBLE AND VAN ACCESSIBLE SPACES




J FLUME DETAIL




DETAIL @ GUTTER FLANGE(TYP. EACH SIDE)

- MILL DOWN SPECIFIED AMOUNT.
- CLEAN OFF LOOSE MATERIAL. FOR OLD ROADS, PROVIDE LEVELING ASPHALT BASE COURSE.
- PROVIDE UNDILUTED TACK COAT. APPLY @ 0.13 GAL/S.Y.
- VA TO INSPECT TACK COAT WHEN BLACKENED.
- PROVIDE 2" THICK ASPHALT WEARING COURSE FOR OLD ROADS.
- PROVIDE 3" THICK ASPHALT WEAR COURSE FOR CLC ROADS. .
- PROVIDE SURFACE SEALER AFTER ONE YEAR.

NOTE: ASPHALT PATCH FILL AFTER MILLING AND TACK COAT BEFORE WEARING COURSE

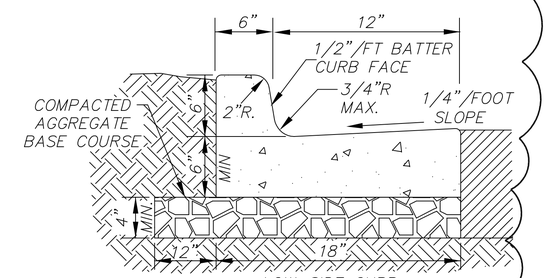
H SCARIFY/MILL AND WEARING COURSE
N.T.S.

NOTE: PROVIDE GLASSPAVE 25 OVER LEVELING COURSE FOR OLD ROADS

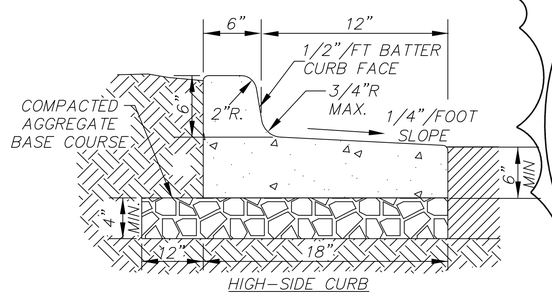
CLC ROADS: NO GLASS PAVE 25.

GRADE TO DRAIN TO STORM INLETS

NOTES:
A) 3500 PSI CONCRETE.
B) SLOPE GUTTER PAN.
C) FOR DEPRESSED CURB HEAD SLOPE, USE THE SAME SLOPE AS ADJACENT SIDEWALK.
D) BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO SLOPE OF SUBGRADE OR BASE AGGREGATE, PROVIDED MINIMUM 6" GUTTER THICKNESS MAINTAINED. TRANSVERSE CONTRACTION JOINTS SHALL BE CUT OR SAWED AT MAXIMUM 20 FOOT INTERVALS.
E) 1/2" PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED TRANSVERSELY IN CURB ABUTTING EXISTING CURB AND SIDEWALK, WALLS OR BUILDINGS, AND AT INTERVALS NOT TO EXCEED 300 FEET, WITH PREFERRED LOCATIONS BEING AT RADIUS POINTS OR ANGLE POINTS.

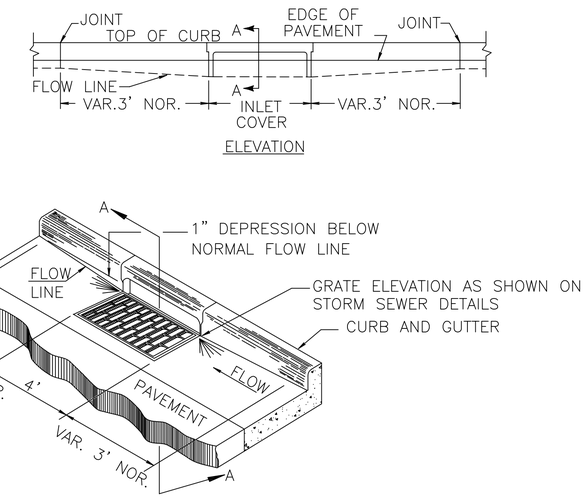


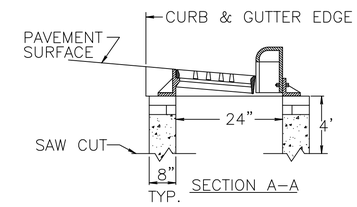

LOW-SIDE CURB




HIGH-SIDE CURB

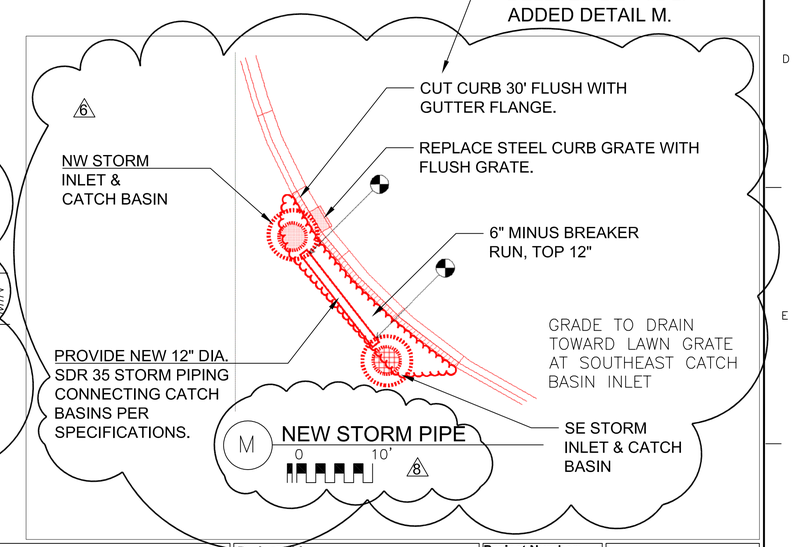
I CONCRETE CURB & GUTTER DETAIL




FOR REPAIRS
EXCAVATE AROUND BASIN,SAWCUT WALLS, REBUILD WITH CAST-IN-PLACE CONCRETE 8" THK., DOWELED INTO EXISTING. DOWELS: #5@24" O.C. EPOXY COATED, SET IN EPOXY DOWEL HOLE.

K CATCH BASIN DETAILS
NO SCALE




M NEW STORM PIPE
0 10'

| Revisions: | Date |
|---|---|
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| AMENDMENT 008 | 01/11/16 |

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**ARCHITECT/ENGINEERS:**
Clement J. Zablocki VAMC
Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: CIVIL DETAILS

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: MJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: C500.1

Dwg. 10 of 12

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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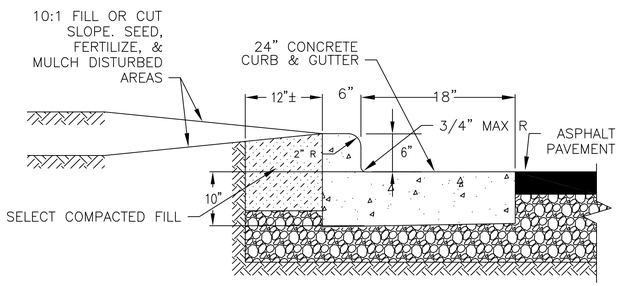
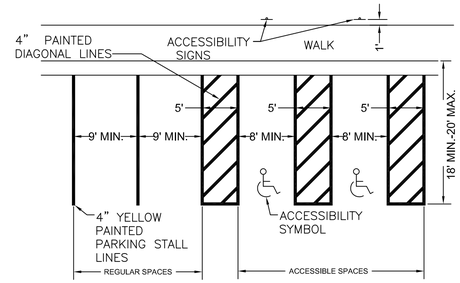



C TYPICAL GRADING SECTION AT 24" TYPE A CONCRETE CURB AND GUTTER
NO SCALE

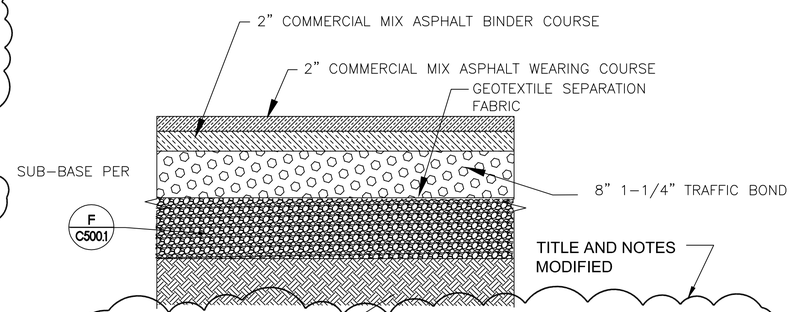



G PARKING STALL LAYOUT
SCALE: NONE

NOTES:
1. SEE SITE AND ENGINEERING DESIGN MANUAL FOR PARKING BAY WIDTHS.
2. SEE VA BARRIER FREE DESIGN HANDBOOK H-08-13 FOR ACCESSIBLE SPACE QUANTITIES AND SIGNAGE.
3. ACCESSIBLE SPACE FOR VANS MUST BE 11' WIDE WITH 5' ACCESS AISLES AND BE DESIGNATED FOR VANS ONLY.

NOTE: WHERE PLANS REFER TO DETAIL D, WORK INCLUDES DETAILS D1 AND D2 WHERE PLANS REFER TO DETAIL E, WORK INCLUDES DETAILS E1 AND E2. WHERE PLANS REFER TO DETAIL B, WORK INCLUDES DETAILS A, B1, AND B2. 6

DETAILS SHIFTED THROUGHOUT SHEET AND TEXT ENLARGED 6



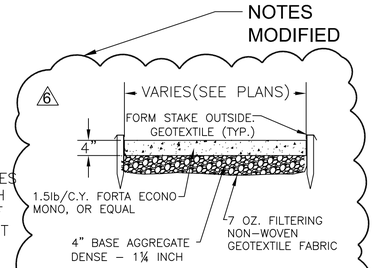

TITLE AND NOTES MODIFIED

NATIVE SOIL (PROOF-ROLLED AND ACCEPTED BY PAVING CONTRACTOR FOR WARRANTY PURPOSES).

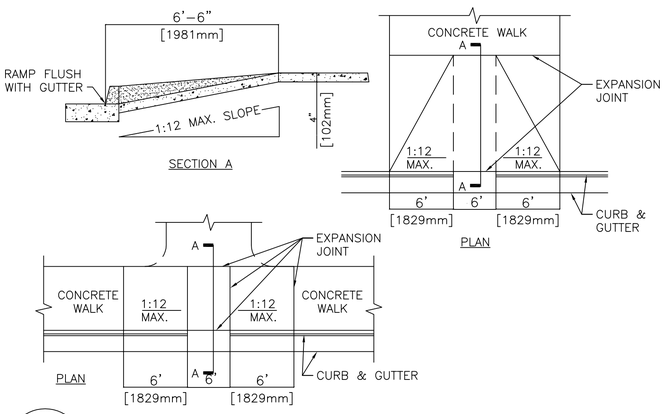
IF PROOF ROLL FAILS, EXCAVATE 12" DEEPER, PROVIDE 12" LAYER OF 6" MINUS BREAKER RUN, ANGULAR LIMESTONE, NON-RECYCLED 6

CC PAVEMENT SECTION OLD ROADS REPLACEMENT (NOT IN CONTRACT)
SCALE: N. T. S.
WORK ASSOCIATED WITH THIS TYPICAL SECTION INCLUDES ASSOCIATED DEMOLITION, PREPARATION AND RESTORATION ONCE CONSTRUCTED

NOTES MODIFIED

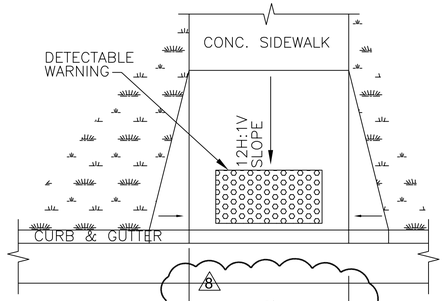



D1 TYPICAL CONCRETE SIDEWALK SECTION
NO SCALE
WORK ASSOCIATED WITH THIS TYPICAL SECTION INCLUDES ASSOCIATED DEMOLITION, PREPARATION AND RESTORATION ONCE CONSTRUCTED

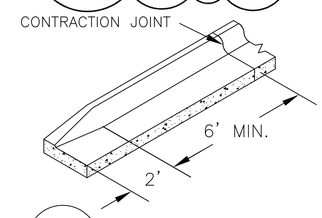



B2 CURB RAMP
NTS

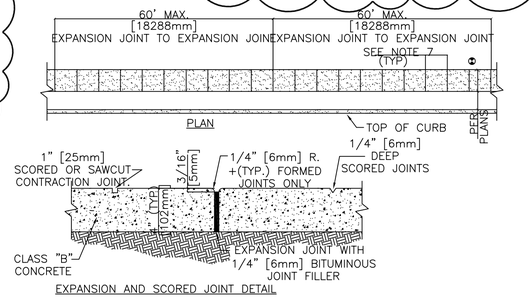
DETECTABLE WARNING IS 48"x24", CONSISTING OF (2) 24"x24" PLATES CAST INTO NEW CONCRETE, UNPAINTED, CAST IRON, BOLTED. NEENAH MODEL 4984-243, OR VA-APPROVED EQUAL. SURFACE CONSISTS OF RAISED TRUNCATED DOMES, NOMINAL DIAMETER 0.9", NOMINAL HEIGHT 0.2" AND CENTER TO CENTER SPACING OF 2.35".



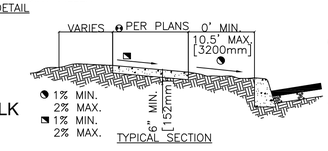

B1 DETECTABLE WARNING PLATES
NO SCALE




A CURB END DETAIL
NO SCALE

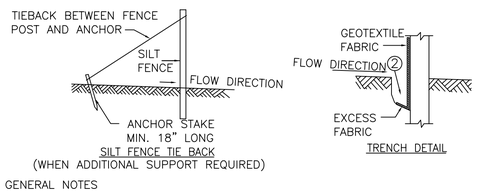



EXPANSION AND SCORED JOINT DETAIL




D2 CONCRETE SIDEWALK
NTS

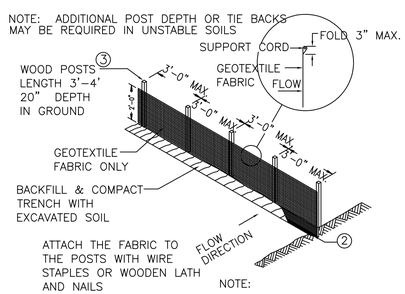
NOTES:
1. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
2. ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
3. 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' [4572mm] OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
4. FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" [6mm] RADIUS.
5. SCORED JOINTS SHALL BE 1/4" [6mm] DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
6. CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
7. 1/4" DEEP SCORED JOINTS (TYP) SPACED AT 6' [1829mm] OR EQUAL TO SIDEWALK WIDTH.




GENERAL NOTES

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1½" X 1½" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

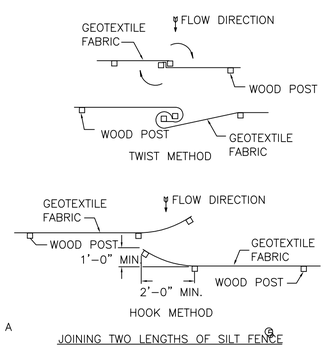
NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS



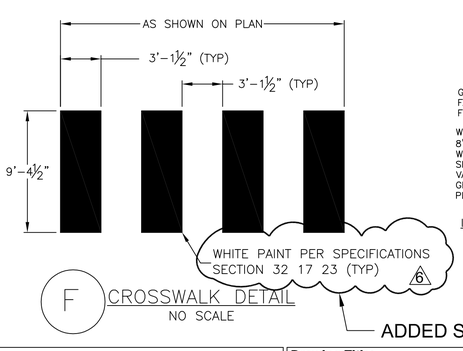

ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS

NOTE:
8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

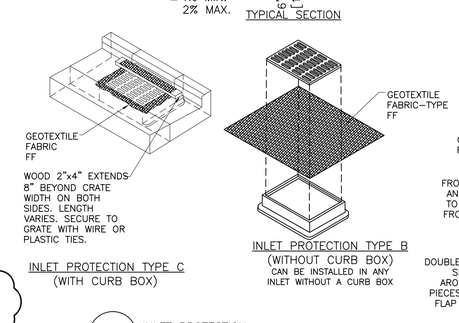
E1 SILT FENCE



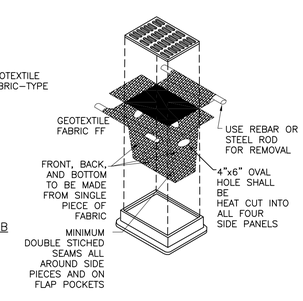

JOINING TWO LENGTHS OF SILT FENCE 4




F CROSSWALK DETAIL
NO SCALE




E2 INLET PROTECTION
SCALE: NONE




INLET PROTECTION TYPE D
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)

| Revisions: | Date |
|---|---|
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| 6 AMENDMENT 008 | 01/11/16 |

Medical Center
5000 W. National Avenue
Milwaukee, WI

**ARCHITECT/ENGINEERS:**
Clement J. Zablocki VAMC
Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: CIVIL DETAILS

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: MJM | Drawn: MWM

Project Number: 695-16-113

Building Number:

Drawing Number: C500.2

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Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

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P (90)

PHOTOS INDICATE WORK AREAS, SITE CONDITIONS, INCLUDING PAINTED ARROWS AND LINES TO CLARIFY LOCATIONS SHOWN ON DRAWINGS.

INTENT IS THAT CONTRACTOR UTILIZE PHOTOS IN PROPOSAL DEVELOPMENT, ANNOTATE AS NEEDED WITH QUESTIONS AND ADDITIONAL LINEWORK, TO BE INCORPORATED INTO PROPOSAL AS PART OF THE NEGOTIATED SCOPE OF WORK.

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| Revisions: | Date |
|---|---|
| | |

VA FORM 08-6231

**ARCHITECT/ENGINEERS:**
Clement J. Zablocki VAMC
Facility Management Division

Engineer: MARK MOBLEY, PE
Designer: MARK MOBLEY, PE

Drawing Title: SITE PHOTOS

Approved (Project Director): Troy Martinson, PE

Project Title: CLC ROAD LOOP FINAL WEAR COURSE

Location: Milwaukee VAMC, Milwaukee WI

Date: 09/11/2015 | Checked: TJM | Drawn: MJM

Project Number: 695-16-113

Building Number:

Drawing Number: C600

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Office of Construction and Facilities Management