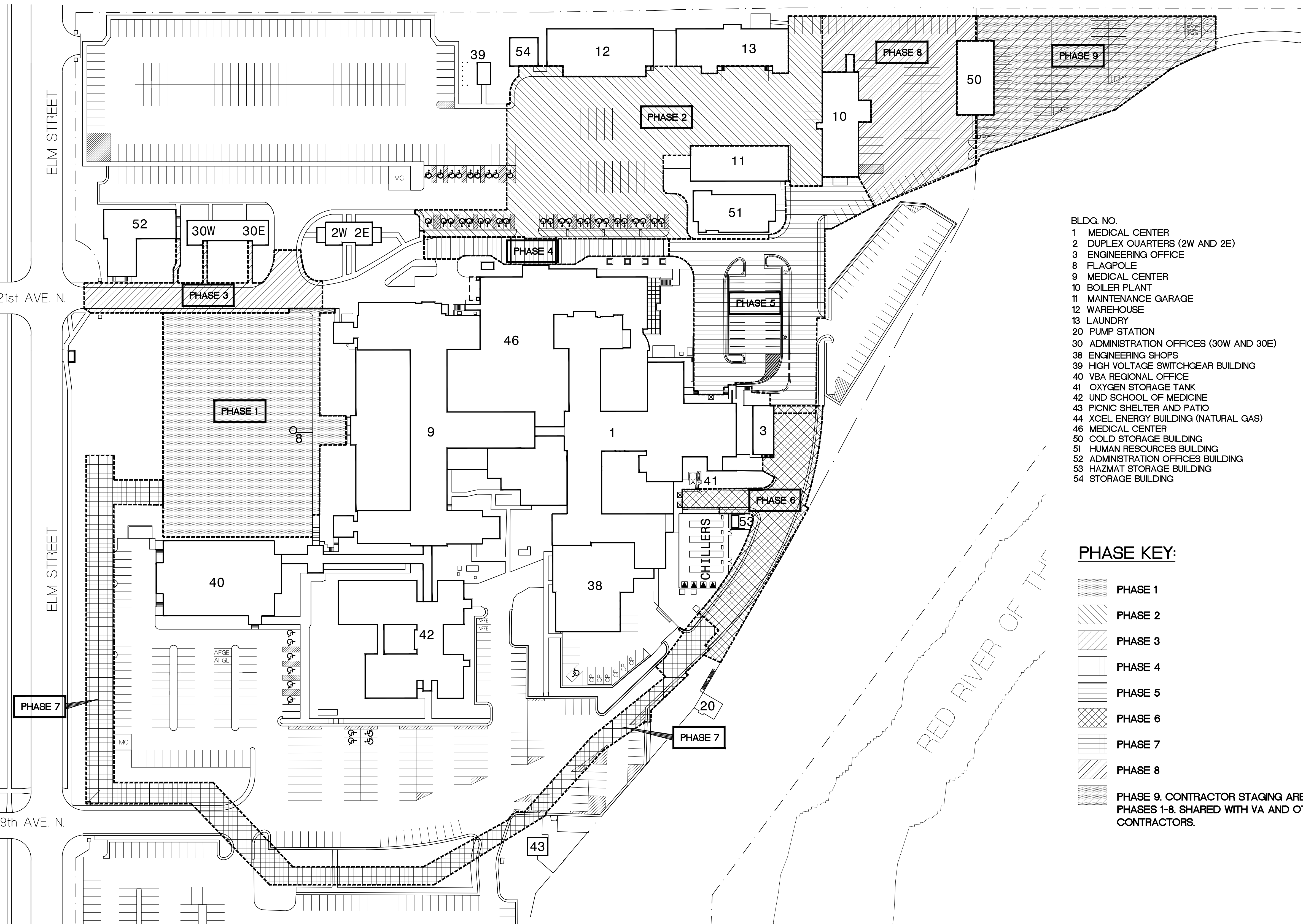


VA MEDICAL CENTER REPLACE UTILITY MAINS AND ASPHALT

Fargo, North Dakota

Project Number: 437-11-156



- BLDG. NO.
- 1 MEDICAL CENTER
 - 2 DUPLEX QUARTERS (2W AND 2E)
 - 3 ENGINEERING OFFICE
 - 8 FLAGPOLE
 - 9 MEDICAL CENTER
 - 10 BOILER PLANT
 - 11 MAINTENANCE GARAGE
 - 12 WAREHOUSE
 - 13 LAUNDRY
 - 20 PUMP STATION
 - 30 ADMINISTRATION OFFICES (30W AND 30E)
 - 38 ENGINEERING SHOPS
 - 39 HIGH VOLTAGE SWITCHGEAR BUILDING
 - 40 VBA REGIONAL OFFICE
 - 41 OXYGEN STORAGE TANK
 - 42 UND SCHOOL OF MEDICINE
 - 43 PICNIC SHELTER AND PATIO
 - 44 XCEL ENERGY BUILDING (NATURAL GAS)
 - 46 MEDICAL CENTER
 - 50 COLD STORAGE BUILDING
 - 51 HUMAN RESOURCES BUILDING
 - 52 ADMINISTRATION OFFICES BUILDING
 - 53 HAZMAT STORAGE BUILDING
 - 54 STORAGE BUILDING

PHASE KEY:

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- PHASE 7
- PHASE 8
- PHASE 9. CONTRACTOR STAGING AREA DURING PHASES 1-8. SHARED WITH VA AND OTHER CONTRACTORS.

GENERAL

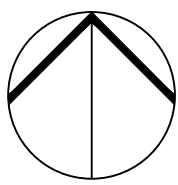
- X1 COVER SHEET
- X2 PHASING PLANS

CIVIL/ELECTRICAL

- C1.1 PHASE 1 - DEMOLITION PLAN
- C1.2 PHASE 1 - UTILITY PLAN, EROSION CONTROL PLAN
- C1.3 PHASE 1 - GRADING PLAN
- C1.4 PHASE 1 - PAVING PLAN
- C2.1 PHASE 2 - DEMOLITION PLAN
- C2.2 PHASE 2 - UTILITY PLAN, EROSION CONTROL PLAN
- C2.3 PHASE 2 - GRADING PLAN
- C2.4 PHASE 2 - PAVING PLAN
- E2.5 PHASE 2 - ELECTRICAL DEMOLITION AND ELECTRICAL REMODELING
- C3.1 PHASE 3 - DEMOLITION PLAN
- C3.2 PHASE 3 - UTILITY PLAN
- C3.3 PHASE 3 - GRADING PLAN
- C3.4 PHASE 3 - PAVING PLAN, EROSION CONTROL PLAN
- C4.1 PHASE 4 - DEMOLITION PLAN
- C4.2 PHASE 4 - UTILITY PLAN, EROSION CONTROL PLAN
- C4.3 PHASE 4 - GRADING PLAN
- C4.4 PHASE 4 - PAVING PLAN
- E4.5 PHASE 4 - ELECTRICAL DEMOLITION AND ELECTRICAL REMODELING
- C5.1 PHASE 5 - DEMOLITION PLAN
- C5.2 PHASE 5 - UTILITY PLAN SANITARY SEWER
- C5.3 PHASE 5 - UTILITY PLAN WATERMAIN
- C5.4 PHASE 5 - UTILITY PLAN STORM SEWER
- C5.5 PHASE 5 - GRADING PLAN
- C5.6 PHASE 5 - PAVING PLAN, EROSION CONTROL PLAN
- E5.7 PHASE 5 - ELECTRICAL DEMOLITION AND ELECTRICAL REMODELING
- C6.1 PHASE 6 - DEMOLITION PLAN
- C6.2 PHASE 6 - UTILITY PLAN
- C6.3 PHASE 6 - GRADING PLAN
- C6.4 PHASE 6 - PAVING PLAN, EROSION CONTROL PLAN
- C7.1 PHASE 7 - UTILITY PLAN
- C7.2 PHASE 7 - UTILITY PLAN
- C7.3 PHASE 7 - PAVING PLAN, EROSION CONTROL PLAN, GRADING PLAN
- C7.4 PHASE 7 - PAVING PLAN, EROSION CONTROL PLAN, GRADING PLAN
- E7.5 PHASE 7 - ELECTRICAL DEMOLITION AND ELECTRICAL REMODELING
- C8.1 PHASE 8 - DEMOLITION PLAN
- C8.2 PHASE 8 - UTILITY PLAN
- C8.3 PHASE 8 - GRADING PLAN
- C8.4 PHASE 8 - PAVING PLAN, EROSION CONTROL PLAN
- C9.1 PHASE 9 - DEMOLITION PLAN
- C9.2 PHASE 9 - GRADING PLAN
- C9.3 PHASE 9 - PAVING PLAN, EROSION CONTROL PLAN

- C10.1 DETAILS
- C10.2 DETAILS

SITE PLAN
1"=60'-0"



Dept. of Veterans Affairs
Medical Center
2101 Elm Street North
Fargo, ND 58102



IMAGE GROUP INC.
403 CENTER AVENUE, SUITE 300
MOORHEAD, MN 56560

IMAGE GROUP INC., Architecture & Interiors
MEN ENGINEERING, Civil Engineers

I hereby certify that this plan specification, or report was prepared by me or under my direct supervision, and that I am duly Registered Architect under the laws of the State of North Dakota.

Date: 5/17/2012 Reg. No. 378

Drawing Title
COVER SHEET

VA Project No.
437-11-156

Building No.
SITE

Contract No.
VA263-P-1217
VA263-C-

AutoCAD File Name
COVER.DWG

Project Title
VA MEDICAL CENTER
REPLACE UTILITY MAINS AND ASPHALT

Designed By
RM

Checked By
RM

Drawn By
KS

Location
VA MEDICAL CENTER
FARGO, ND

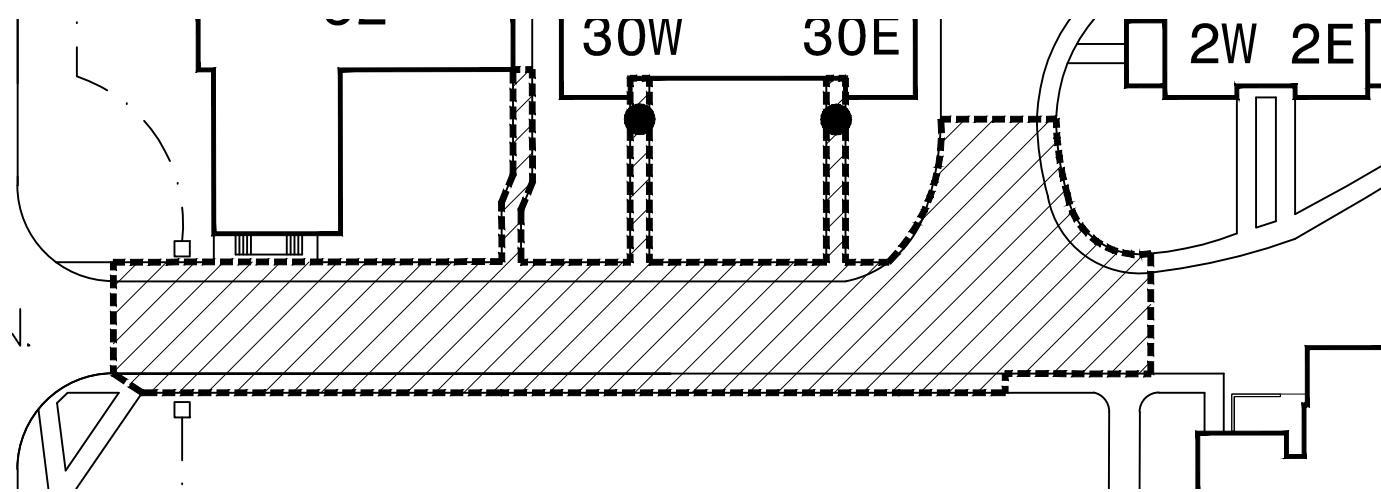
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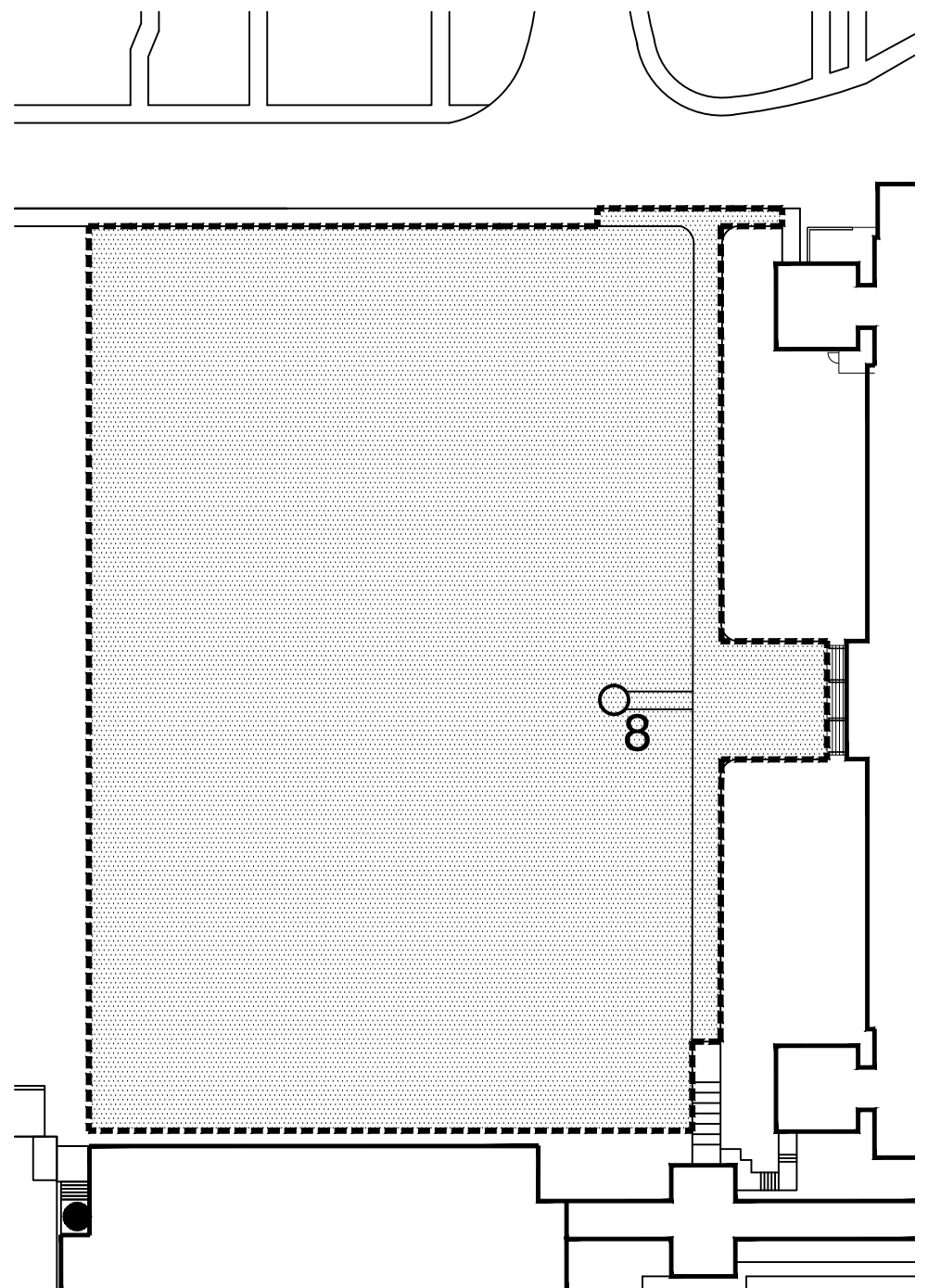
Drawing No.
X1

Dwg. 1 of 45

Department of Veterans Affairs



PHASE 3 PLAN
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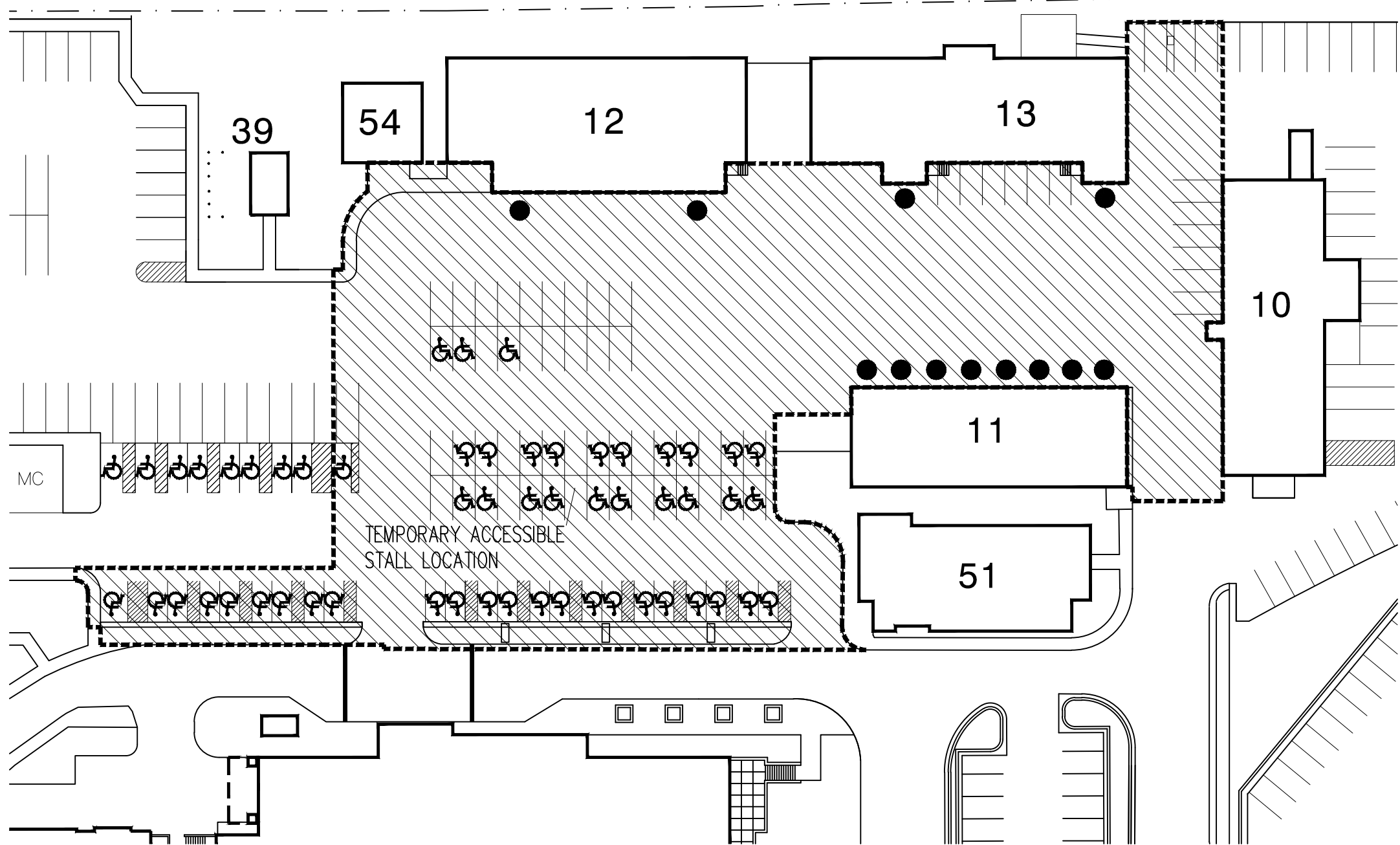
PHASE 1 PLAN
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GENERAL NOTES

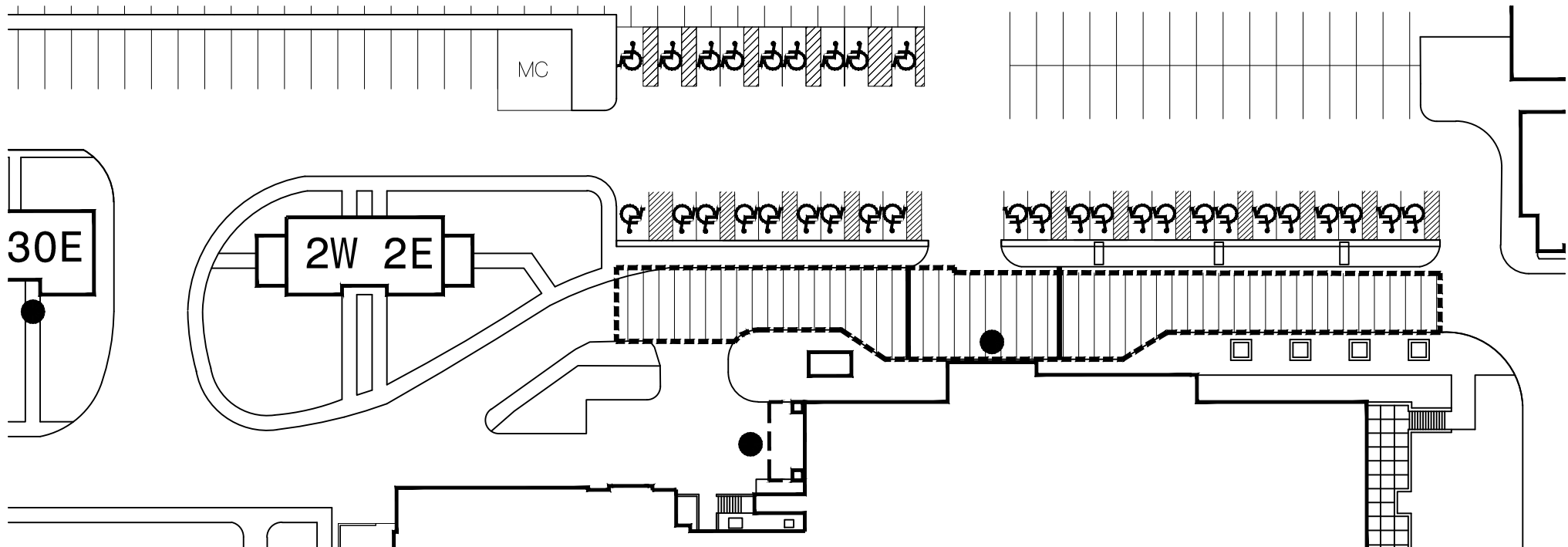
1. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. NORTH DAKOTA ONE CALL WILL ONLY LOCATE THEIR MAINS AND WILL NOT LOCATE PRIVATE UTILITIES ON THE VA MEDICAL CENTER CAMPUS. THE VA IS NOT RESPONSIBLE FOR LOCATING ANY ON SITE UTILITIES.
2. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING/PROPOSED UTILITY CROSSINGS, AND WHERE EXISTING UTILITIES CONNECT INTO NEW UTILITY MAINS.
3. ALL PAVEMENT MARKED FOR DEMOLITION SHALL BE FULL DEPTH SAW CUT PRIOR TO REMOVAL.
4. CONTRACTOR SHALL KEEP ACCESS OPEN TO ALL EXISTING PEDESTRIAN DOORS, FIRE EXITS, OVERHEAD DOORS, AND LOADING DOCKS DURING ALL PHASES OF CONSTRUCTION. IF TEMPORARY CLOSURES ARE REQUIRED, COORDINATE WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.
5. CONTRACTOR SHALL BACKFILL AND COMPACT ALL UTILITY TRENCHES TO FINISHED GRADE. CONTRACTOR WILL ENSURE THAT ALL CLOSURES ARE KEPT TO A MINIMUM TO ENSURE LIMITED IMPACT TO DAILY VA ACTIVITIES.
6. CONTRACTOR IS RESPONSIBLE FOR GENERAL TRAFFIC CONTROL TO ALLOW FOR PUBLIC ACCESS THROUGH THE CONSTRUCTION SITE. CONTRACTOR SHALL PROVIDE AND INSTALL ADEQUATE SIGNS FOR PUBLIC SAFETY AND TRAFFIC CONTROL. CONTRACTOR IS RESPONSIBLE TO KEEP ACCESS TO THE VA FACILITIES AND COORDINATE ANY RESTRICTIONS WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.
7. CONTRACTOR IS REQUIRED TO MAINTAIN ONE DRIVING LANE OPEN AT ALL TIMES. IF ROAD CLOSURES ARE REQUIRED, COORDINATE WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.
8. CONTRACTOR SHALL PROTECT THE EXISTING WATERMAIN AND ENSURE THAT THE VA MEDICAL CENTER CAMPUS HAS NO DISRUPTION OF SERVICE. NEW WATERMAIN SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY DISCONNECTION OF EXISTING WATER SERVICE. COORDINATE ANY REQUIRED LOSS OF SERVICE PRIOR TO WORK.
9. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A TEMPORARY SERVICE TO THE AFFECTED VA BUILDINGS. THE METHOD OF PROVIDING THE TEMPORARY WATER SERVICE SHALL BE AN OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER. ALL TEMPORARY WATER MAINS AND SERVICES SHALL BE DISINFECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ONE WATER SAMPLE PER SERVICE CONNECTION WILL BE TAKEN AFTER THE TEMPORARY WATER LINE IS FLUSHED. THE SAMPLE SHALL SHOW THE ABSENCE OF BACTERIA BEFORE CONNECTIONS ARE ALLOWED.
10. CONTRACTOR SHALL INSTALL A TEMPORARY BYPASS TO MAINTAIN UNINTERRUPTED SEWER SERVICE ON SEWER RECONSTRUCTION WHERE WORK WILL INTERFERE WITH SEWAGE FLOW IN THE EXISTING SEWER. THE BYPASS SHALL BE MADE BY DIVERTING THE EFFLUENT FLOW AT THE UPSTREAM ACCESS MANHOLE AND PUMPING IT THROUGH A SEPARATE CONDUIT TO A DOWNSTREAM REENTRY POINT OR TO AN ADJACENT SEWER SYSTEM. THE PUMP AND BYPASS CONDUIT SHALL BE OF ADEQUATE SIZE AND CAPACITY TO HANDLE THE FLOW. THE EFFLUENT LEVEL IN THE BYPASS PUMPING MANHOLE SHALL NOT BE ALLOWED TO RISE MORE THAN 1 FOOT ABOVE THE CROWN OF THE INCOMING SEWER PIPE. BYPASS PUMPING SHALL BE INCIDENTAL TO THE SEWER WORK.
11. CONTRACTOR MUST MAINTAIN ACCESS TO ALL PEDESTRIAN ENTRANCES, AND FIRE EXITS. CONTRACTOR SHALL COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE AND ENSURE THESE CLOSURES ARE FOR NO MORE THAN 24 HOURS.

LEGEND

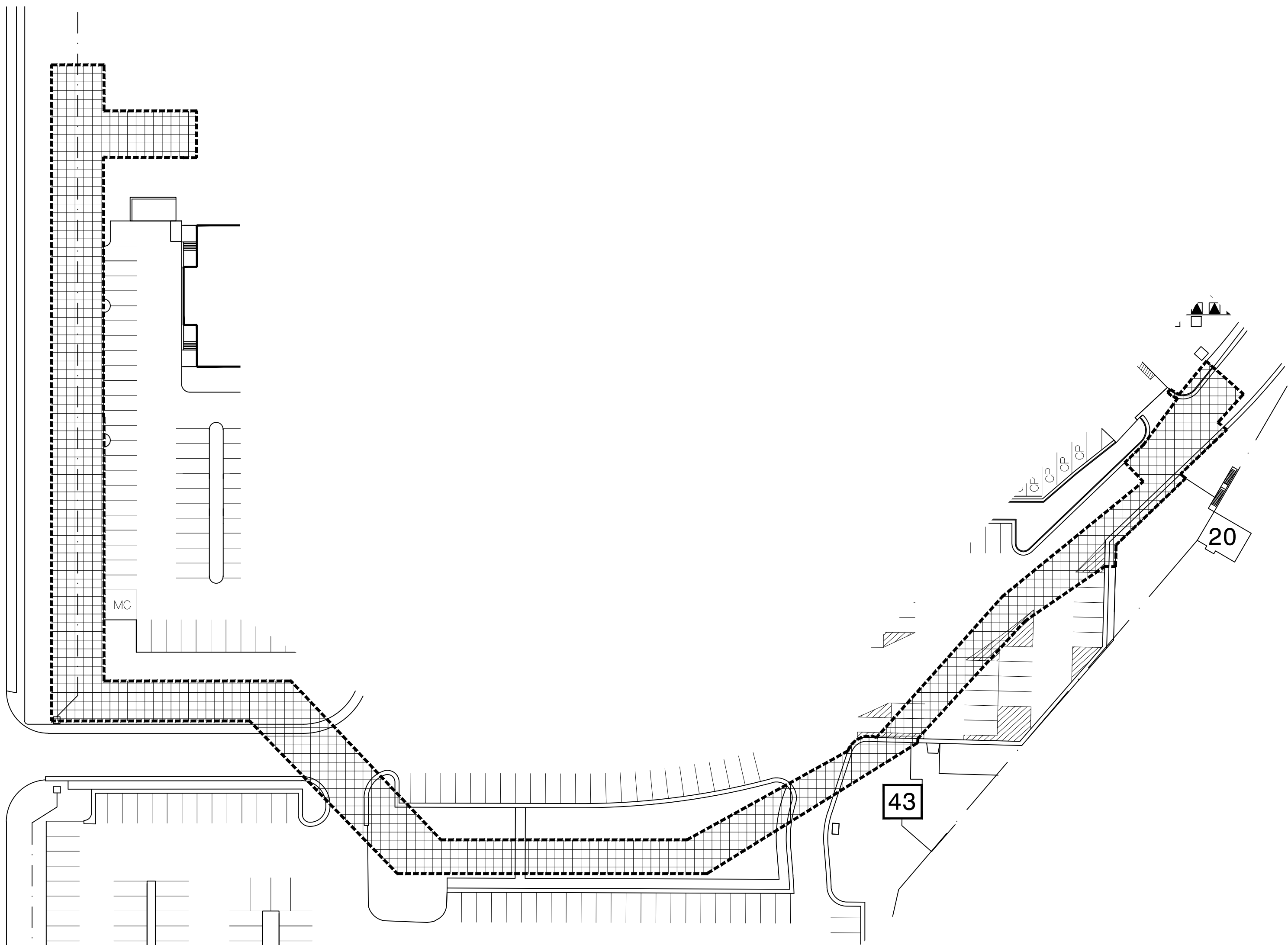
- BUILDING ACCESS TO REMAIN OPERATIONAL



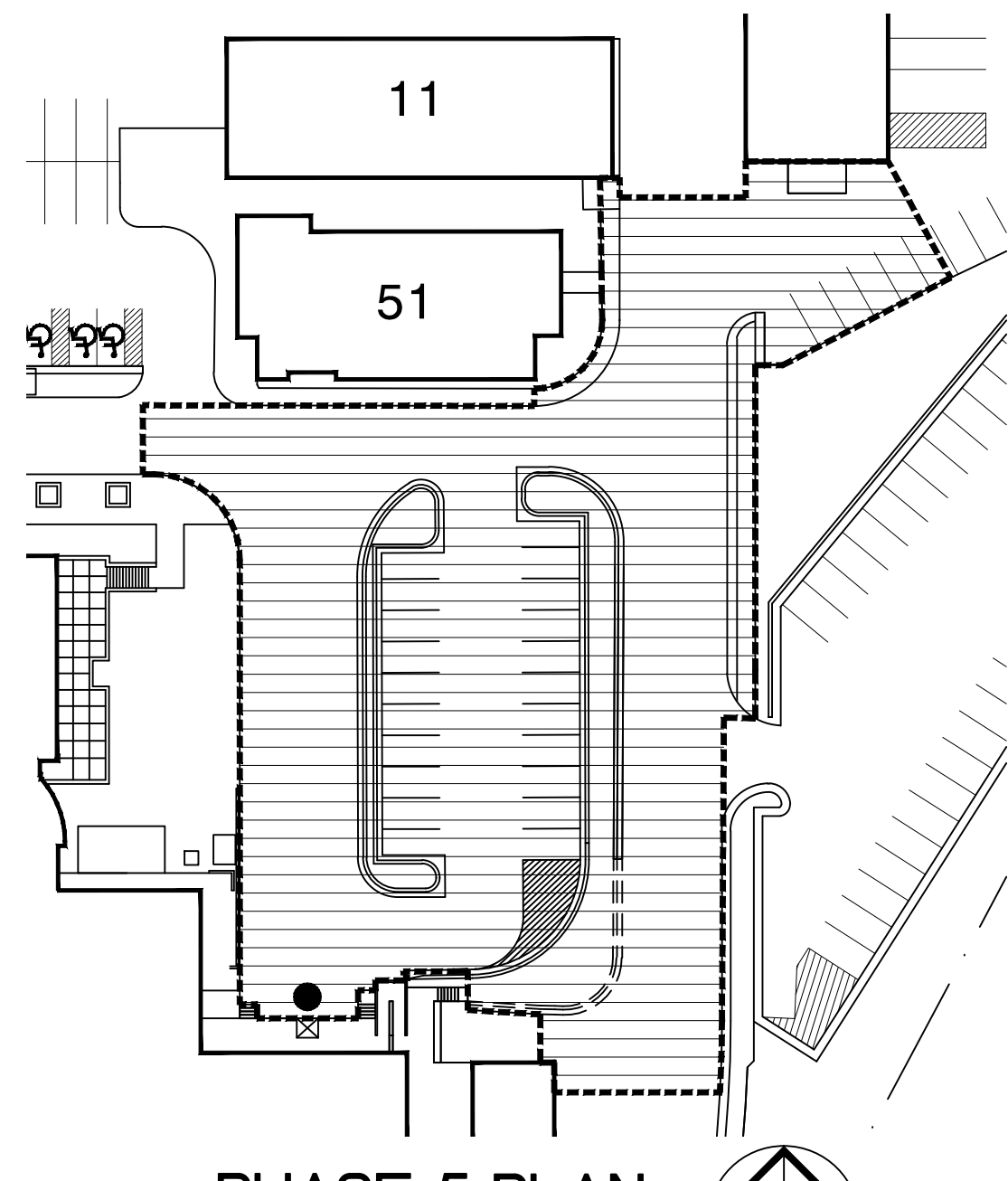
PHASE 2 PLAN
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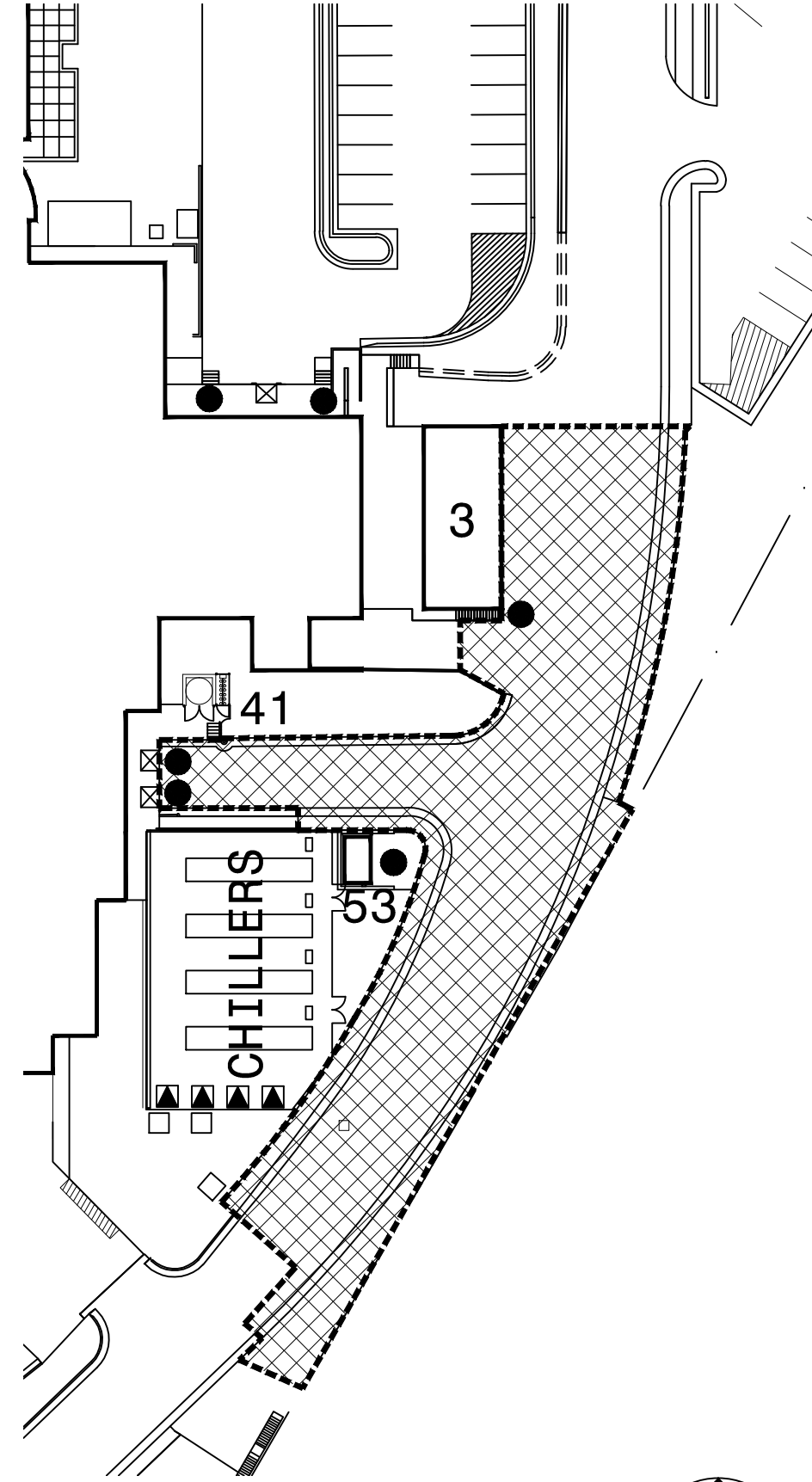
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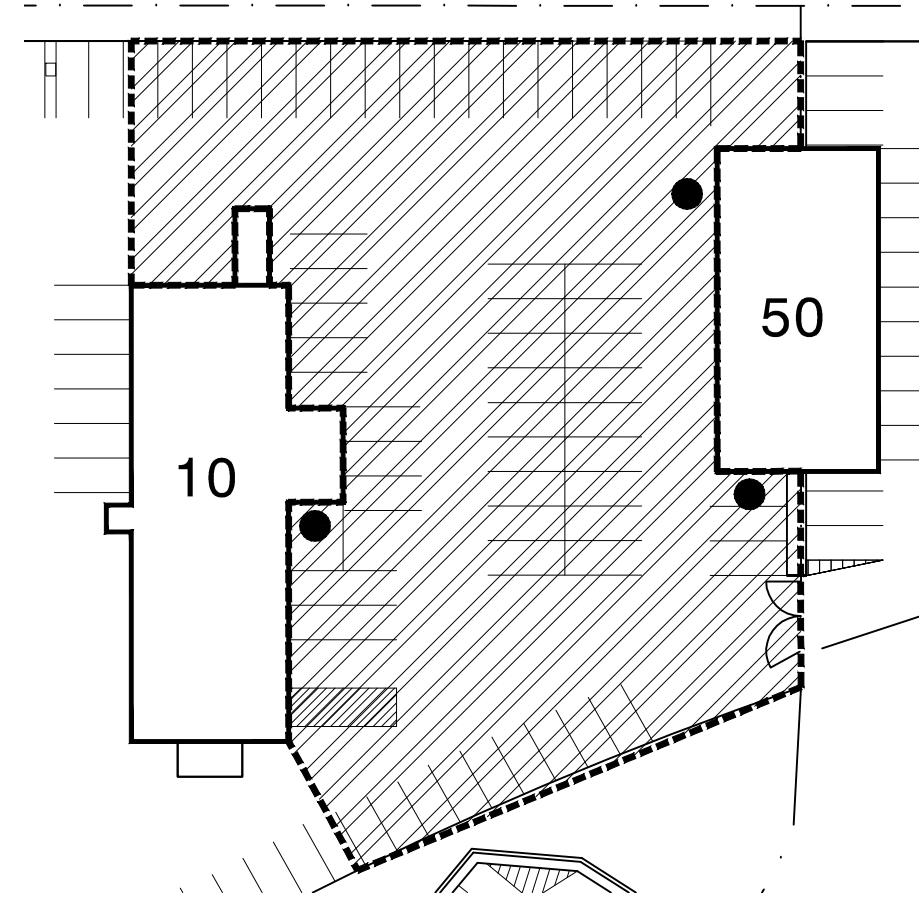
PHASE 7 PLAN
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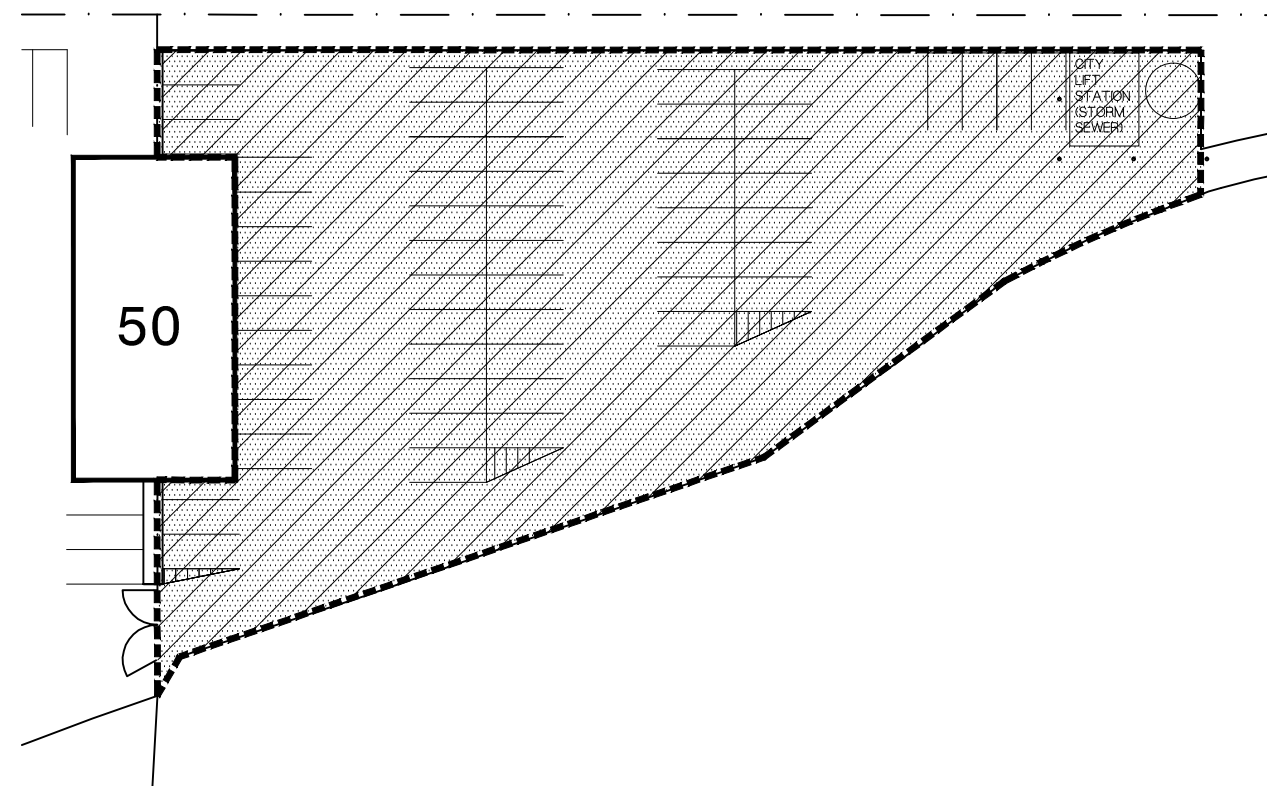
PHASE 5 PLAN
1"=50'-0"



PHASE 6 PLAN
1"=50'-0"



PHASE 8 PLAN
1"=50'-0"



PHASE 9 PLAN
1"=50'-0"

PHASE 1

1. CONTRACTOR SHALL COORDINATE ALL UTILITY AND PAVING WORK WITH THE REPLACE OPERATING ROOMS PROJECT WORK.
2. CONTRACTOR SHALL COORDINATE EXISTING LOCATION OF REPLACE OPERATING ROOMS PROJECT STAGING AREA AND ENSURE THIS AREA REMAINS ACCESSIBLE AT ALL TIMES.
3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW PAVING WORK WITH THE REPLACE OPERATING ROOMS PROJECT CONTRACTOR.

PHASE 2

1. CONTRACTOR SHALL PROVIDE A STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE SANITARY, STORM, AND WATERMAIN.
2. CONTRACTOR MUST RELOCATE THE EXISTING ACCESSIBLE STALLS AND PROVIDE ACCESS THROUGH THE CONSTRUCTION AREA. COORDINATE NEW ACCESSIBLE STALL LOCATIONS WITH VA ADMINISTRATION A MINIMUM OF 2 WEEKS IN ADVANCE.
3. CONTRACTOR MUST MAINTAIN ACCESS TO THE GENERAL PARKING AREAS. CONTRACTOR SHALL COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.
4. CONTRACTOR MUST MAINTAIN ACCESS TO ALL OVERHEAD DOORS TO BUILDINGS 11, 12, AND 13, AS WELL AS KEEPING PEDESTRIAN ENTRANCES AND FIRE EXITS OPEN. CONTRACTOR SHALL COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE AND ENSURE THESE CLOSURES ARE FOR NO MORE THAN 24 HOURS.

PHASE 3

1. CONTRACTOR SHALL PROVIDE STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE SANITARY, STORM, AND WATERMAIN.
2. CONTRACTOR MUST MAINTAIN ACCESS TO ALL PEDESTRIAN ENTRANCES, AND FIRE EXITS. CONTRACTOR SHALL COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE AND ENSURE THESE CLOSURES ARE FOR NO MORE THAN 24 HOURS.
3. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC THROUGH THE AFFECTED AREA. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY SIGNAGE TO REDIRECT PEDESTRIAN AND VEHICLE TRAFFIC AROUND THE CONSTRUCTION AREA.

PHASE 4

1. CONTRACTOR SHALL PROVIDE STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE SANITARY, STORM, AND WATERMAIN.
2. CONTRACTOR MUST PROVIDE ACCESS FROM THE NORTH PARKING LOT TO THE MAIN ENTRANCE. THE MAIN ENTRANCE MUST BE KEPT OPEN AT ALL TIMES.
3. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC THROUGH THE AFFECTED AREA. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY SIGNAGE TO REDIRECT PEDESTRIAN AND VEHICLE TRAFFIC AROUND THE CONSTRUCTION AREA.
4. CONTRACTOR SHALL PROVIDE TEMPORARY GRAVEL ACCESS TO THE AMBULANCE GARAGE. AMBULANCE TRAFFIC MUST BE ABLE TO BACK IN, OR TURN OUT WITH OUT CONFLICT.

PHASE 5

1. CONTRACTOR SHALL PROVIDE STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE SANITARY, STORM, AND WATERMAIN.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO THE EXISTING VOLUNTEER PARKING AND COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.
3. CONTRACTOR MUST MAINTAIN ACCESS TO THE NORTH LOADING DOCK FOR THE VA TO RECEIVE DAILY DELIVERIES. CONTRACTOR SHALL COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.
4. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC THROUGH THE AFFECTED AREA AND MAINTAIN ACCESS TO BUILDINGS 10, 11, AND 51. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY SIGNAGE TO REDIRECT PEDESTRIAN AND VEHICLE TRAFFIC AROUND THE CONSTRUCTION AREA.

PHASE 6

1. CONTRACTOR SHALL PROVIDE STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE SANITARY, STORM, AND WATERMAIN.
2. CONTRACTOR MUST MAINTAIN ACCESS TO THE EAST LOADING DOCK FOR THE VA TO RECEIVE DAILY DELIVERIES. CONTRACTOR SHALL COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.
3. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC THROUGH THE AFFECTED AREA. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY SIGNAGE TO REDIRECT PEDESTRIAN AND VEHICLE TRAFFIC AROUND THE CONSTRUCTION AREA.

PHASE 7

1. CONTRACTOR SHALL PROVIDE STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE SANITARY, STORM, AND WATERMAIN.
2. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC THROUGH THE AFFECTED AREA. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY SIGNAGE TO REDIRECT PEDESTRIAN AND VEHICLE TRAFFIC AROUND THE CONSTRUCTION AREA.
3. CONTRACTOR MUST MAINTAIN ACCESS TO THE EXISTING SOUTH PARKING LOTS. CONTRACTOR SHALL COORDINATE ANY CLOSURES WITH THE VA PROJECT ENGINEER A MINIMUM OF 2 WEEKS IN ADVANCE.

PHASE 8

1. CONTRACTOR SHALL PROVIDE STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE SANITARY, STORM, AND WATERMAIN.
2. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC THROUGH THE AFFECTED AREA AND MAINTAIN ACCESS TO BUILDING 10, 50, AND THE CONTRACTOR STAGING AREA. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY SIGNAGE TO REDIRECT PEDESTRIAN AND VEHICLE TRAFFIC AROUND THE CONSTRUCTION AREA.

PHASE 9

1. CONTRACTOR SHALL PROVIDE STAGING PLAN TO ILLUSTRATE THE INSTALLATION OF THE ASPHALT AND CONCRETE PAVEMENT.
2. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC THROUGH THE AFFECTED AREA. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY SIGNAGE TO REDIRECT CONTRACTOR VEHICLE TRAFFIC AROUND THE CONSTRUCTION AREA.
3. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL FITTINGS, PIPING, AND OFFSETS TO ACCOUNT FOR UTILITY LOCATIONS AND CROSSINGS NOT INDICATED ON THE PLANS. CONTRACTOR WILL INSTALL THESE ADDITIONAL MATERIALS AT NO COST TO THE PROJECT.
4. CONTRACTOR SHALL RELOCATE ANY EXISTING UTILITIES THAT CONFLICT WITH THE INSTALLATION OF THE NEW SANITARY SEWER, STORM SEWER, AND WATERMAIN. ADDITIONAL WORK AND MATERIALS SHALL BE INSTALLED AT NO COST TO THE PROJECT.



Dept. of Veterans Affairs
Medical Center
2101 Elm Street North
Fargo, ND 58102



IMAGE GROUP INC.
403 CENTER AVENUE, SUITE 300
MOORHEAD, MN 56560

IMAGE GROUP INC., Architecture & Interiors
MEN ENGINEERING, Civil Engineers

I hereby certify that this plan specification, or report was prepared by me or under my direct supervision, and that I am duly Registered Architect under the laws of the State of North Dakota.

Date: 5/17/2012 Reg. No. 378

Drawing Title

PHASING PLANS

VA Project No.

437-11-156

Building No.

SITE

Contract No.

VA263-P-1217
VA263-C-

AutoCAD File Name

PHASING_PLANDWG

Project Title

VA MEDICAL CENTER
REPLACE UTILITY MAINS AND ASPHALT

Designed By

Checked By

Drawn By

Location

VA MEDICAL CENTER
FARGO, ND

Date

MAY 17, 2012

Scale

1"=50'-0"

Drawing No.

X2

Dwg 2 of 45

Department of
Veterans Affairs