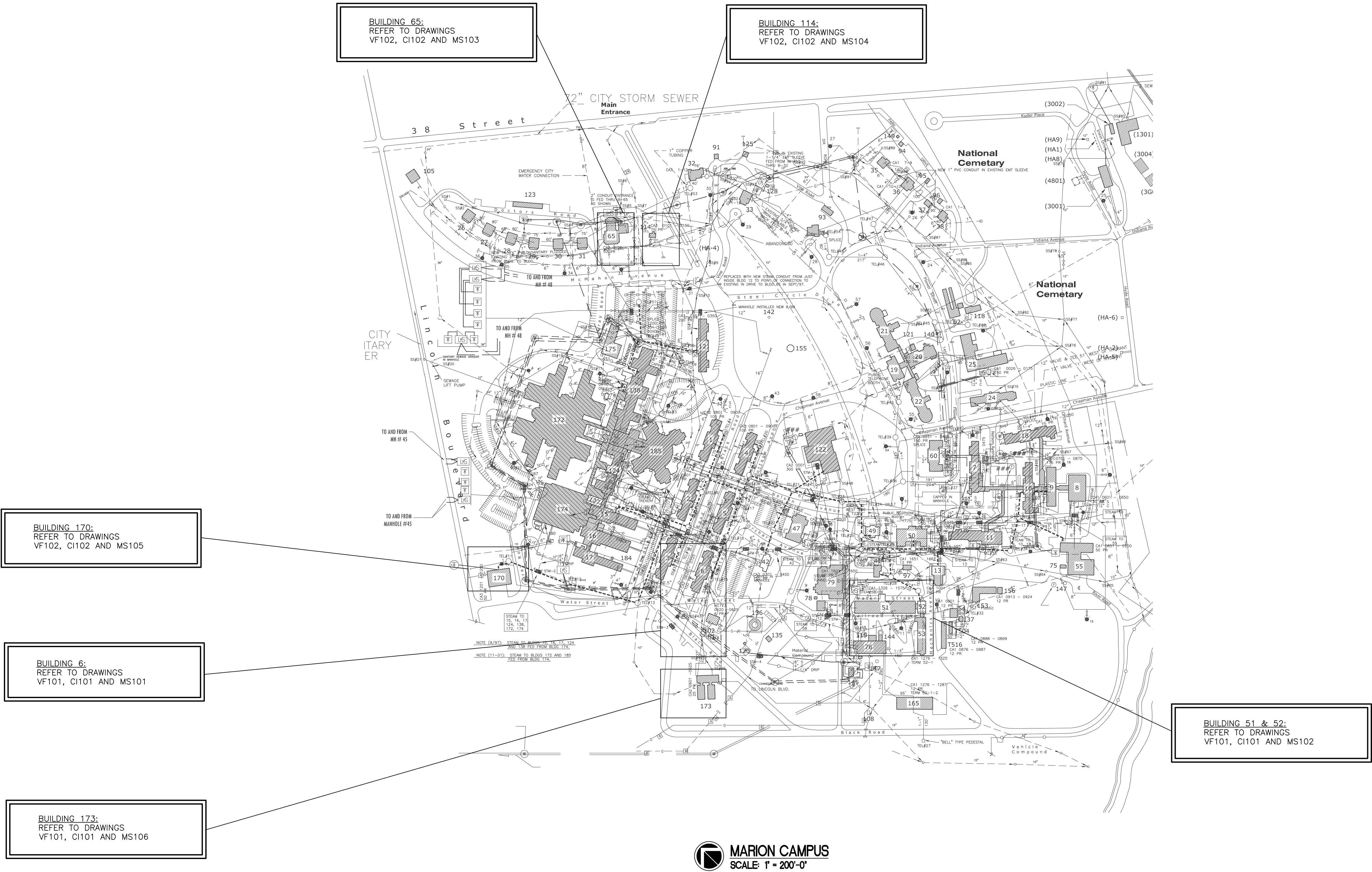


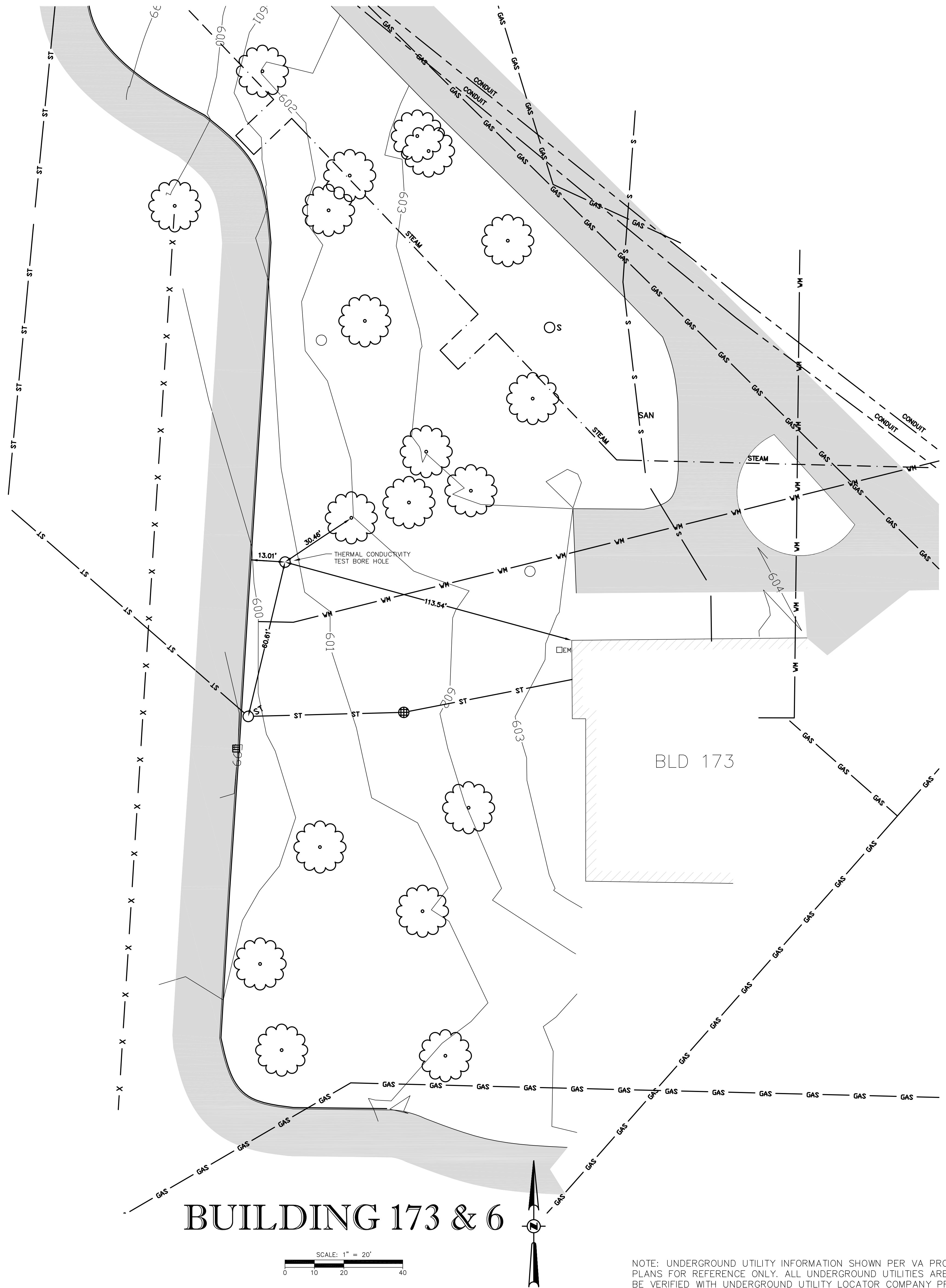
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

DRAWING INDEX	
SHT. NO.	DESCRIPTION
SME000	TITLE SHEET
VF101	BUILDING 6, 52 & 173 EXISTING TOPOGRAPHICAL SURVEYS
VF102	BUILDING 65, 114 & 170 EXIST. TOPOGRAPHICAL SURVEYS
CI101	BUILDING 6, 52 & 173 SITE PLANS
CI102	BUILDING 65, 114 & 170 SITE PLANS
MD101	BUILDING 6 MECHANICAL DEMOLITION PLANS
MD102	BUILDING 51 & 52 MECHANICAL DEMOLITION PLANS
MD103	BUILDING 65 MECHANICAL DEMOLITION PLANS
MD104	BUILDING 114 MECHANICAL DEMOLITION PLAN
MD105	BUILDING 170 MECHANICAL DEMOLITION PLAN
MD106	BUILDING 173 MECHANICAL DEMOLITION PLAN
MS101	BUILDING 6 MECHANICAL SITE PLAN
MS102	BUILDING 51 & 52 MECHANICAL SITE PLAN
MS103	BUILDING 65 MECHANICAL SITE PLAN
MS104	BUILDING 114 MECHANICAL SITE PLAN
MS105	BUILDING 170 MECHANICAL SITE PLAN
MS106	BUILDING 173 MECHANICAL SITE PLAN
MH101	BUILDING 6 MECHANICAL PLANS
MH102	BUILDING 51 & 52 MECHANICAL PLANS
MH103	BUILDING 65 MECHANICAL PLANS
MH104	BUILDING 114 MECHANICAL PLAN
MH105	BUILDING 170 MECHANICAL PLAN
MH106	BUILDING 173 MECHANICAL PLAN
MH601	MECHANICAL SCHEDULES
MH602	MECHANICAL DETAILS
MH603	MECHANICAL DETAILS
MH701	CONTROL DIAGRAMS AND POINTS LISTS
E101	BUILDING 6 ELECTRICAL PLANS
E102	BUILDING 51 & 52 ELECTRICAL PLANS
E103	BUILDING 65 FIRST FLOOR ELECTRICAL PLAN
E104	BUILDING 114 ELECTRICAL PLAN
E105	BUILDING 170 FIRST FLOOR ELECTRICAL PLAN
E106	BUILDING 173 ELECTRICAL PLAN
E601	ELECTRICAL ONE LINE DIAGRAM/PANEL SCHEDULES



CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES		ARCHITECT/ENGINEERS:		Drawing Title: TITLE SHEET		Project Title: GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM		Project Number: 2010 536 02		Office of Construction and Facilities Management Department of Veterans Affairs	
100% CONSTRUCTION DRAWINGS						Building Number: -		Building Number: -			
50% DD						Location: VA - MARION, INDIANA		Drawing Number: SME000			
35% DD						Date: 02-22-11		Checked: SDS			
Revisions:						Approved: Project Director		Drawn: PDH		Dwg. 1 of 34	

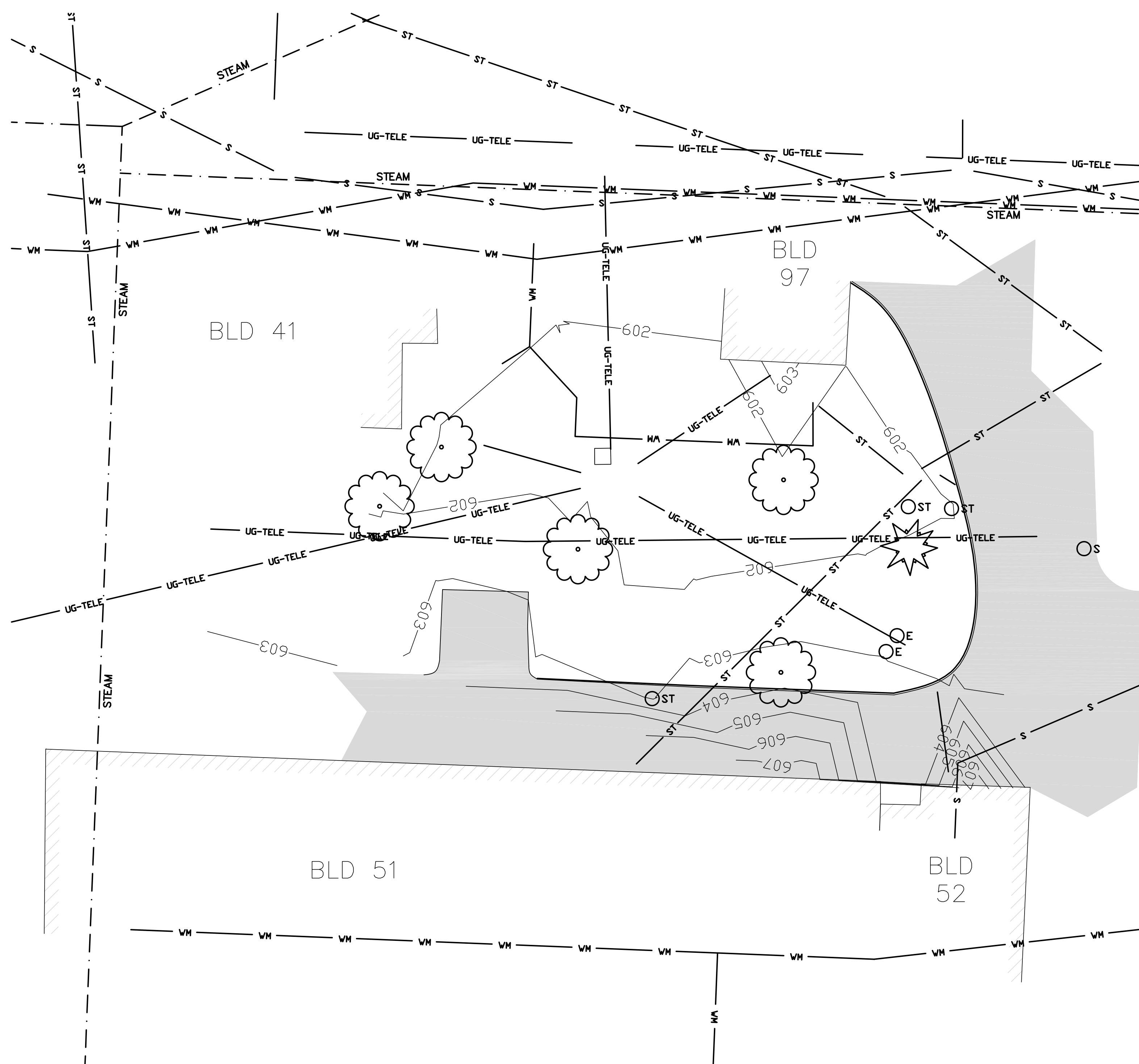
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot



BUILDING 173 & 6

SCALE: 1" = 20'

NOTE: UNDERGROUND UTILITY INFORMATION SHOWN PER VA PROVIDED PLANS FOR REFERENCE ONLY. ALL UNDERGROUND UTILITIES ARE TO BE VERIFIED WITH UNDERGROUND UTILITY LOCATOR COMPANY PRIOR TO CONDUCTING ANY EXCAVATING.

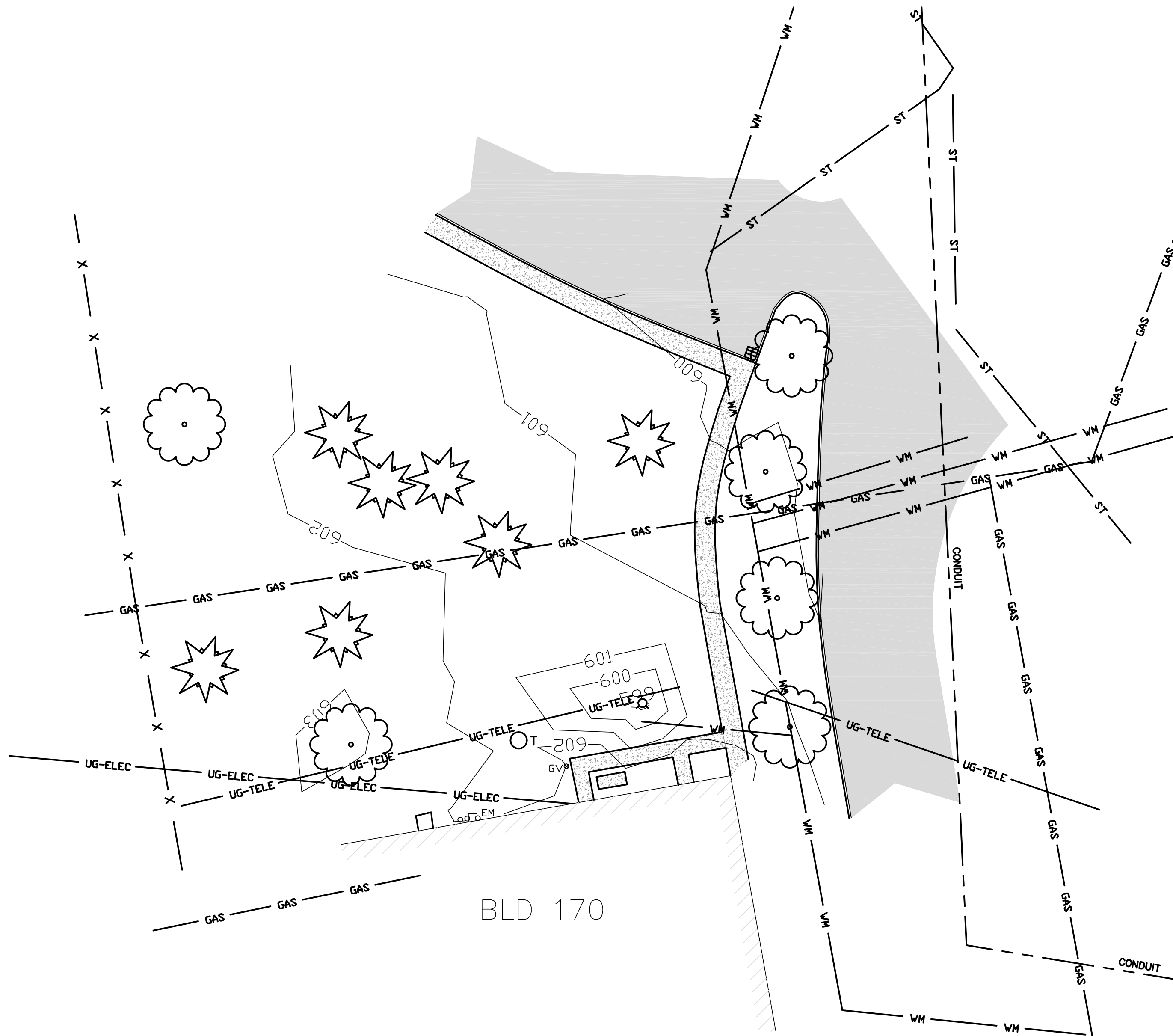


BUILDING 52

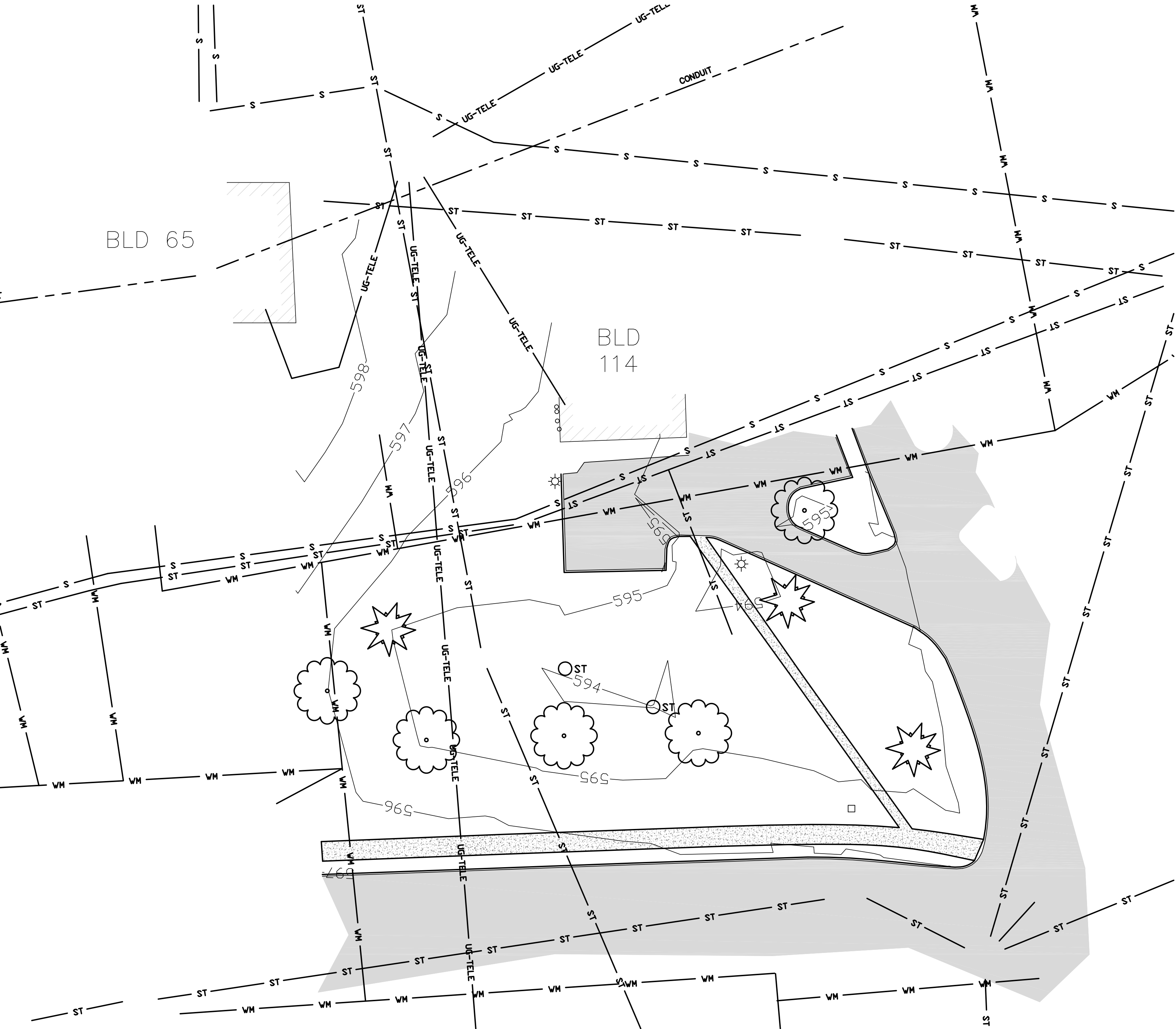
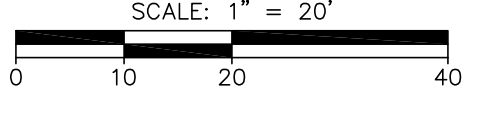
SCALE: 1" = 20'

BID DOCUMENTS 100% CONSTRUCTION DRAWINGS Revisions:		CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES P.O. BOX 1039 SOUTH GRAND AVE. FOWLERVILLE, MICHIGAN 48836 (OFFICE) 517-223-3512 (FAX) 517-223-9987 Copyright, © MEGA, L.L.C.		ARCHITECT/ENGINEERS:		Drawing Title: Buildings 6, 52 & 173 Existing Topographical Surveys Approved: Project Director		Project Title GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM - Location: VA - MARION, INDIANA Date 02-22-11 Checked Drawn		Project Number 2010 536 02 Building Number 52, 173 & 6 Drawing Number VF101 Dwg. 2 of 34		Office of Construction and Facilities Management Department of Veterans Affairs	
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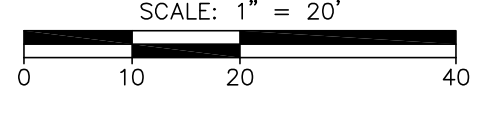
one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



BUILDING 170



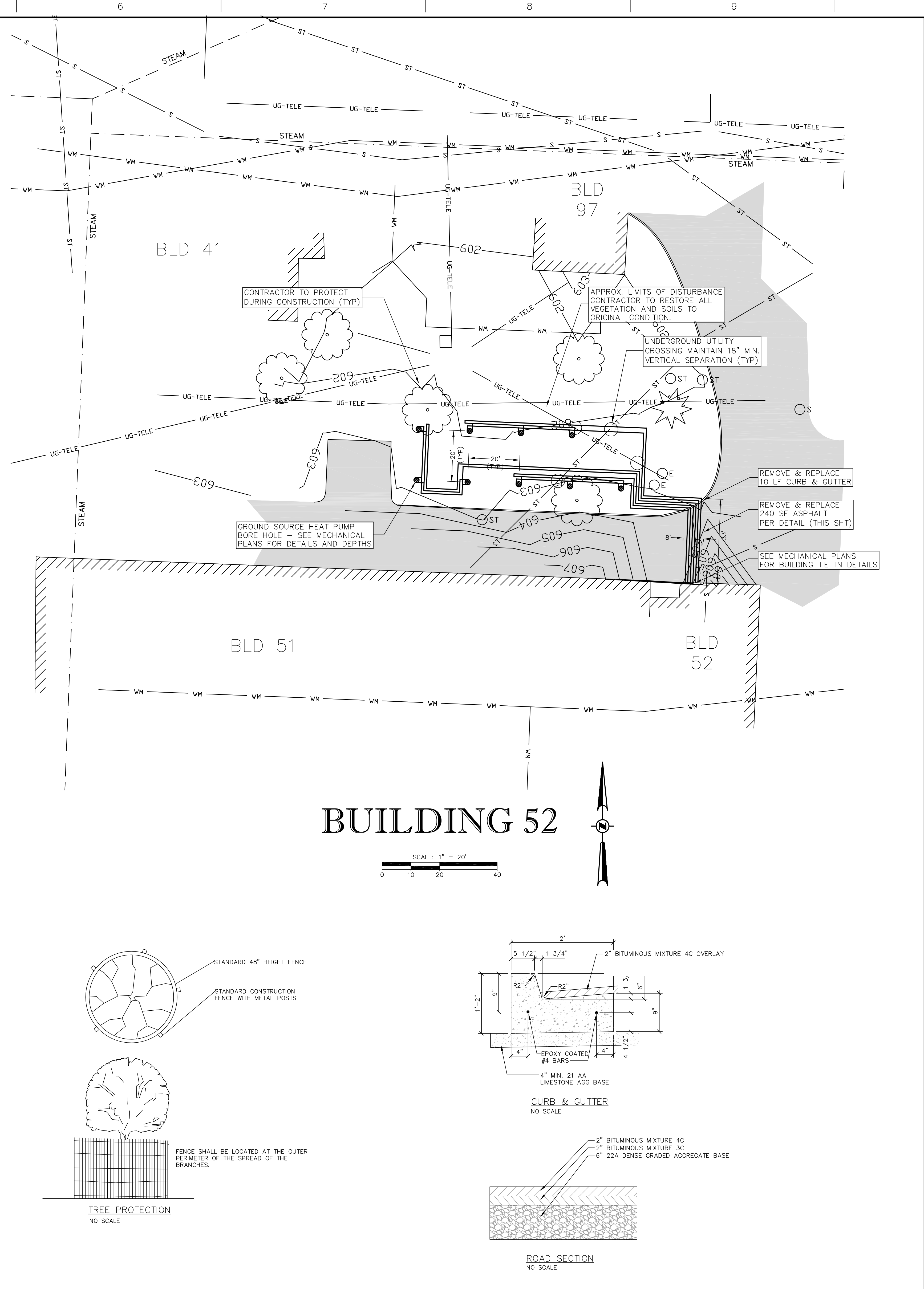
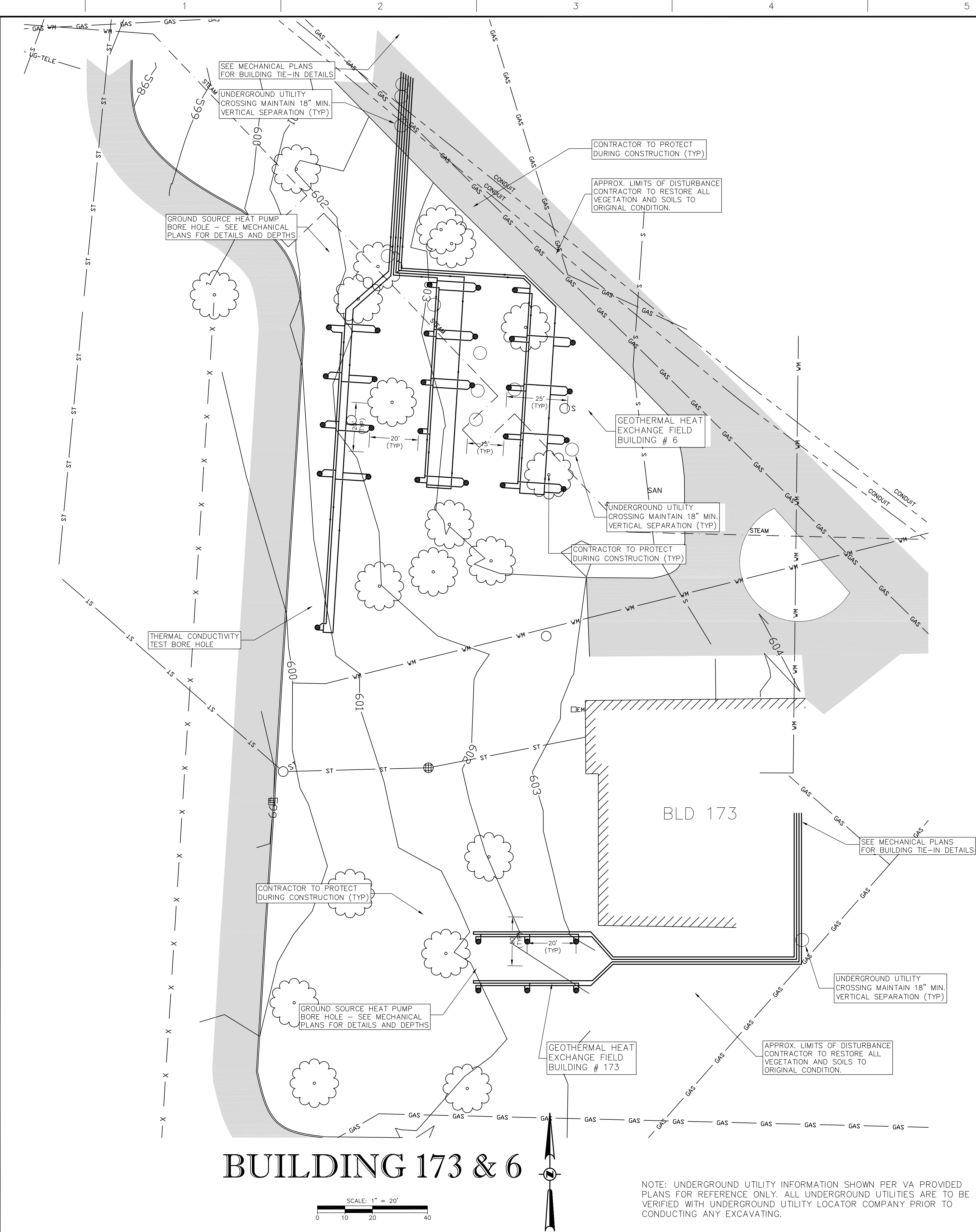
BUILDING 114 & 65



NOTE: UNDERGROUND UTILITY INFORMATION SHOWN PER VA PROVIDED PLANS FOR REFERENCE ONLY.
ALL UNDERGROUND UTILITIES ARE TO BE VERIFIED WITH UNDERGROUND UTILITY LOCATOR COMPANY
PRIOR TO CONDUCTING ANY EXCAVATING.

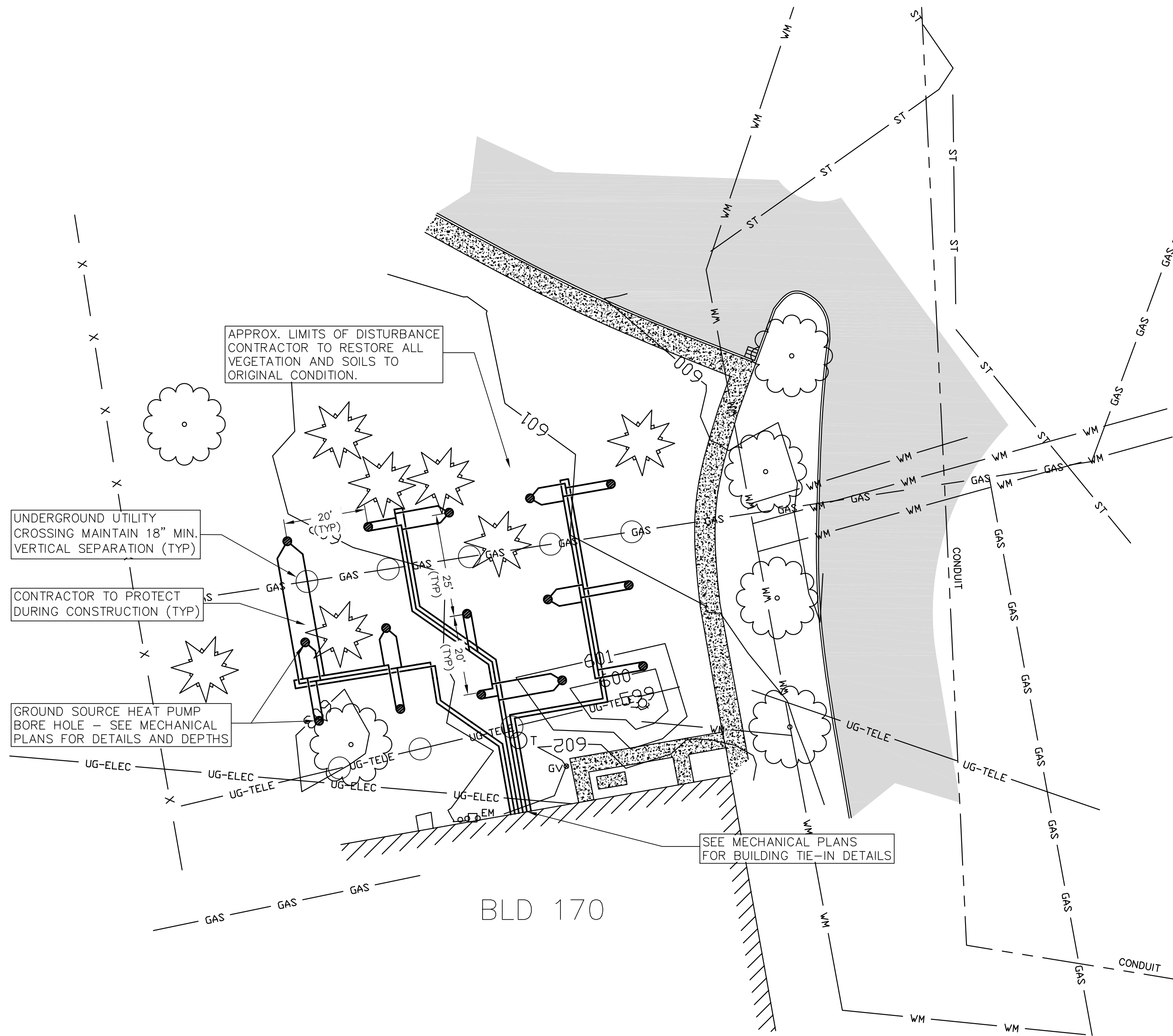
BID DOCUMENTS 100% CONSTRUCTION DRAWINGS Revisions:		CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES P.O. BOX 1039 SOUTH GRAND AVE. FOWLERVILLE, MICHIGAN 48836 (OFFICE) 517-223-3512 (FAX) 517-223-9987 Copyright, © MEGA, L.L.C.	ARCHITECT/ENGINEERS:	Drawing Title: Buildings 65, 114 & 170 Existing Topographical Surveys Approved: Project Director	Project Title GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM - Location: VA - MARION, INDIANA Date 02-22-11 Checked Drawn	Project Number 2010 536 02 Building Number 114, 65, & 170 Drawing Number VF102 Dwg. 3 of 34	Office of Construction and Facilities Management Department of Veterans Affairs
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one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
three inches = one foot



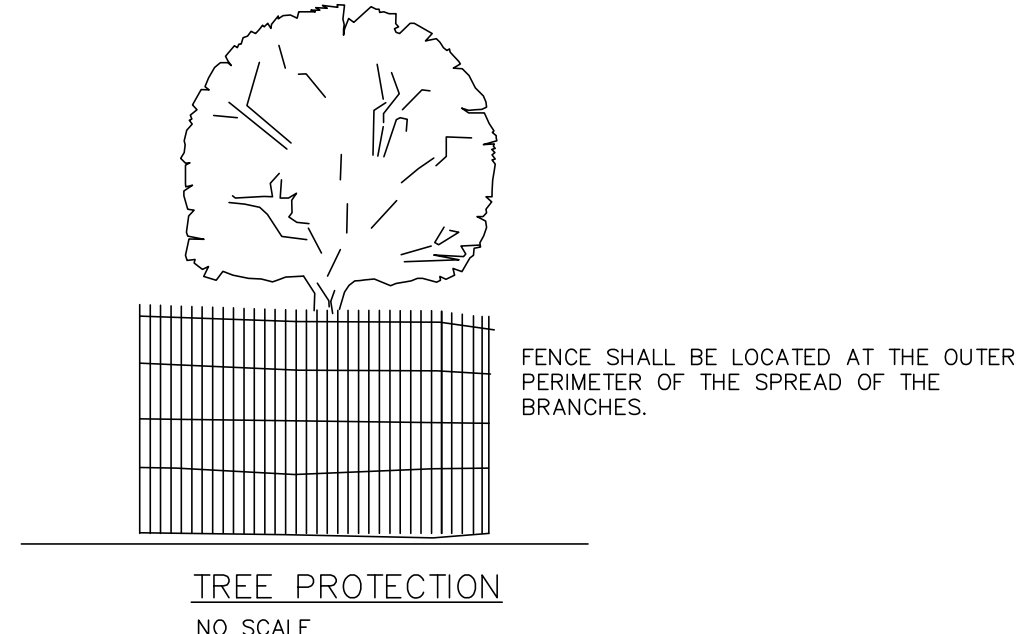
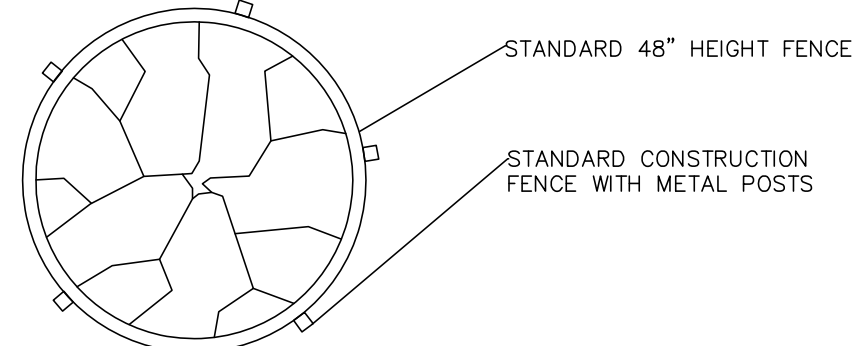
CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES		ARCHITECT/ENGINEERS:		Drawing Title: Buildings 65, 114 & 170 Site Plans	Project Title: GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM	Project Number: 2010 536 02	Office of Construction and Facilities Management	
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BID DOCUMENTS 100% CONSTRUCTION DRAWINGS Revisions:	08-14-11 07-14-11 Date				Date: 02-22-11	Checked:	Drawn:	C1101 Dwg. 5 of 34

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

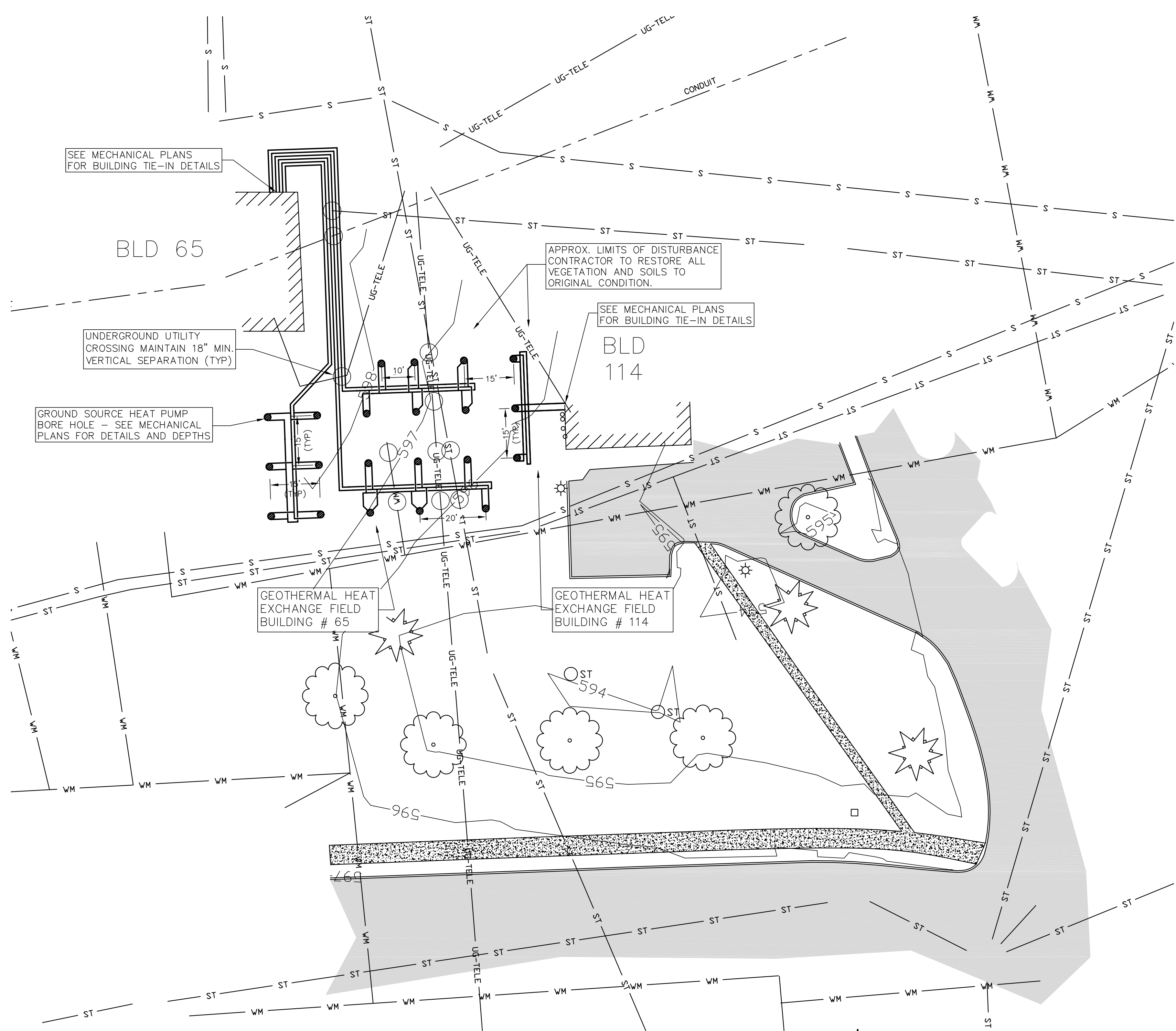


BUILDING 170

SCALE: 1" = 20'



NOTE: UNDERGROUND UTILITY INFORMATION SHOWN PER VA PROVIDED PLANS FOR REFERENCE ONLY. ALL UNDERGROUND UTILITIES ARE TO BE VERIFIED WITH UNDERGROUND UTILITY LOCATOR COMPANY PRIOR TO CONDUCTING ANY EXCAVATING.



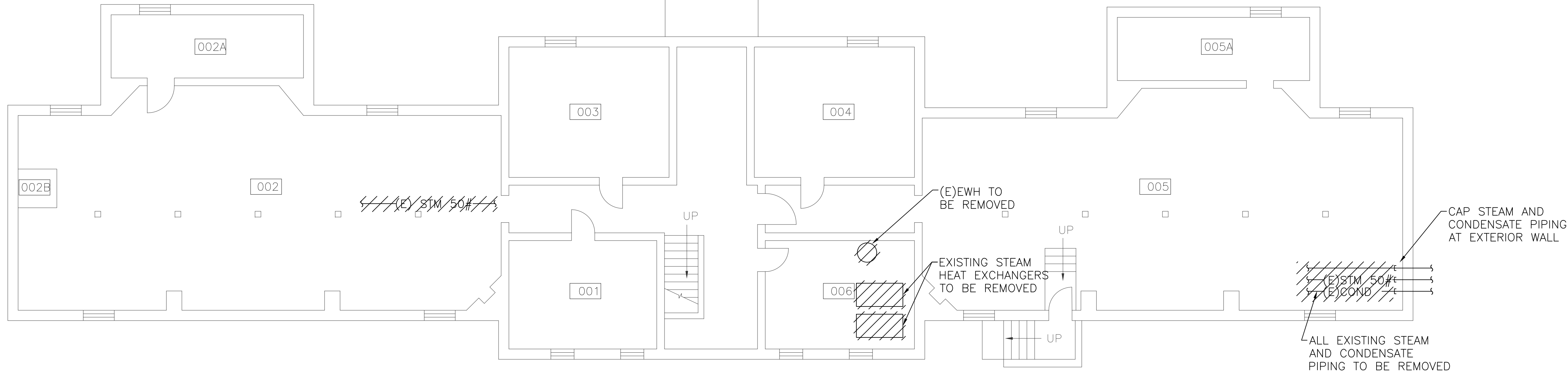
BUILDING 114 & 65

SCALE: 1" = 20'

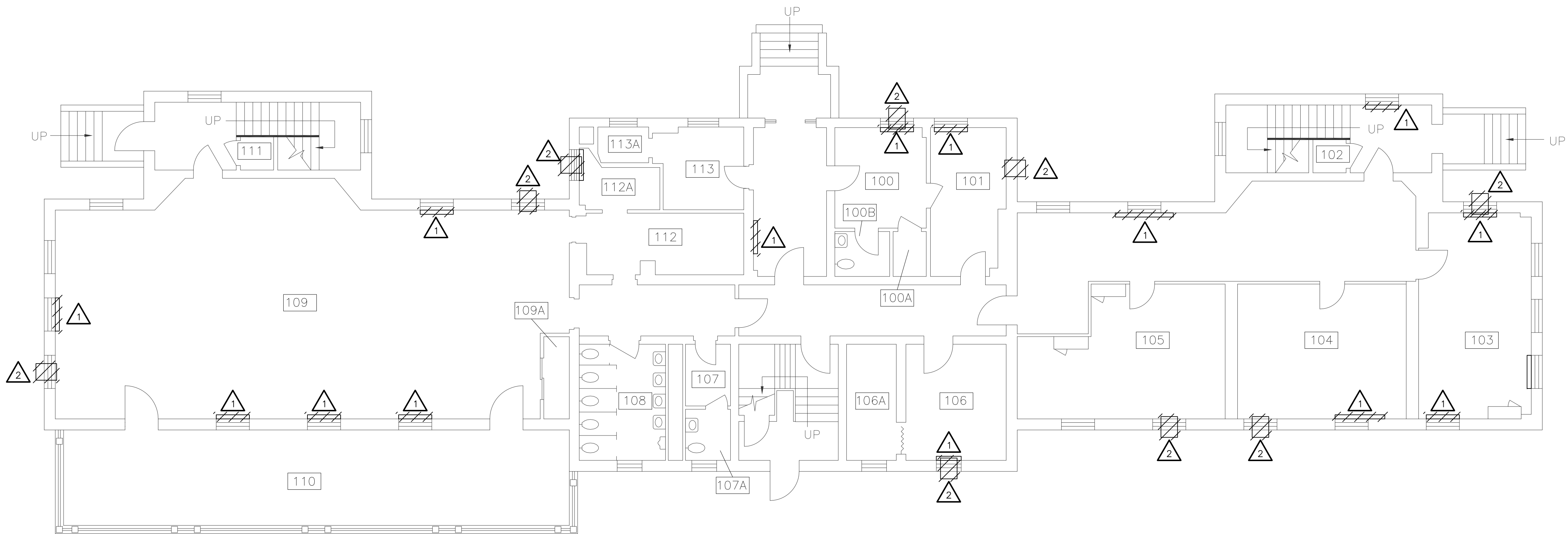


CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES		ARCHITECT/ENGINEERS:		Drawing Title: Buildings 6, 52 & 173 Site Plans		Project Title: GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM		Project Number: 2010 536 02		Office of Construction and Facilities Management Department of Veterans Affairs	
P.O. BOX 1039 SOUTH GRAND AVE. FOWLERVILLE, MICHIGAN 48836 (OFFICE) 517-223-3512 (FAX) 517-223-9987 Copyright, © MEGA, L.L.C.				Approved: Project Director		Location: VA - MARION, INDIANA		Building Number: 114, 65, & 170			
MEGA MONUMENT ENGINEERING GROUP ASSOCIATES, L.L.C.						Date: 02-22-11		Drawing Number: C1102			
BID DOCUMENTS 100% CONSTRUCTION DRAWINGS Revisions:						Checked		Drawn			
08-14-11 07-14-11 Date										Dwg. 5 of 34	

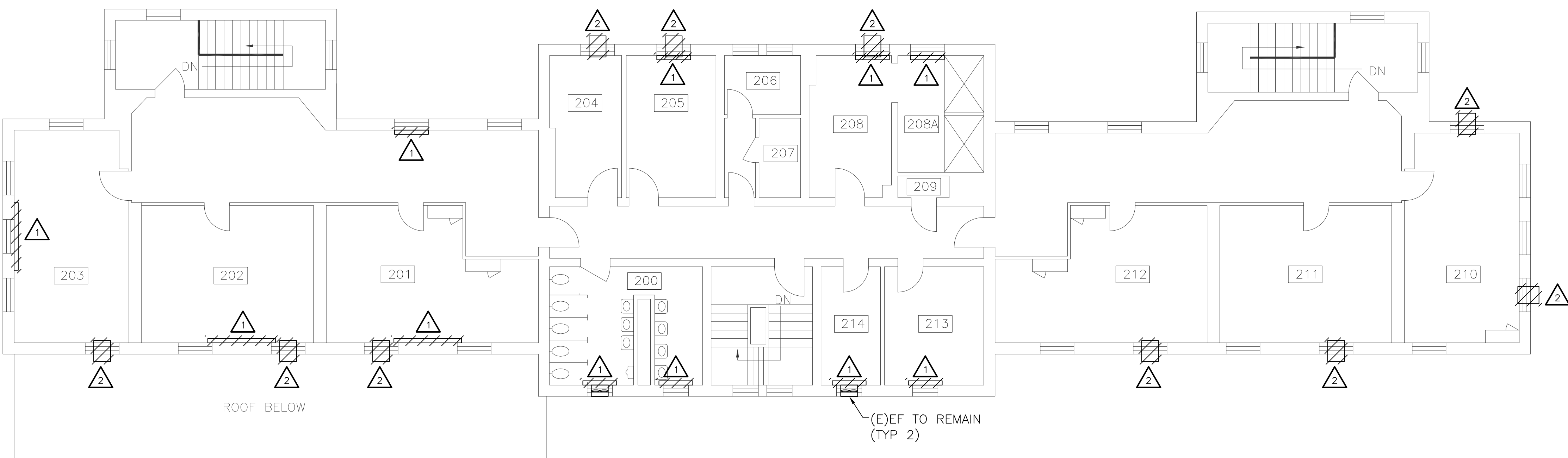
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



BUILDING 6 BASEMENT MECHANICAL DEMOLITION PLAN
SCALE 1/8" = 1'-0"



BUILDING 6 FIRST FLOOR MECHANICAL DEMOLITION PLAN
SCALE 1/8" = 1'-0"




BUILDING 6 SECOND FLOOR MECHANICAL DEMOLITION PLAN
SCALE 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
2. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.
3. ALL DEMOLITION OF THE EXISTING MECHANICAL SYSTEMS, INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONTROLS, SUPPORTS, HANGERS, AND EQUIPMENT SHALL BE UNDER SCOPE OF DIVISION 15 OF THE SPECIFICATIONS.
4. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED.

DEMOLITION KEY NOTES

- 1 EXISTING BASEBOARD STEAM RADIATION TO BE REMOVED
- 2 EXISTING WINDOW AIR CONDITIONING UNIT TO BE REMOVED. CONTRACTOR SHALL PROPERLY DISPOSE OF UNIT.

CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES		ARCHITECT/ENGINEERS:		Drawing Title: BUILDING 6 MECHANICAL DEMOLITION PLANS		Project Title: GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM		Project Number: 2010 536 02		Office of Construction and Facilities Management Department of Veterans Affairs
 P.O. BOX 1039 SOUTH GRAND AVE. FOWLERVILLE, MICHIGAN 48836 (OFFICE) 517-223-3512 (FAX) 517-223-9987 Copyright, © MEGA, L.L.C.						Location: VA - MARION, INDIANA		Building Number: 6		
Revisions:				Approved: Project Director		Date: 02-22-11		Checked: SDS		
Revisions:						Drawn: KTB		Drawing Number: MD101 Dwg. 6 of 34		

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

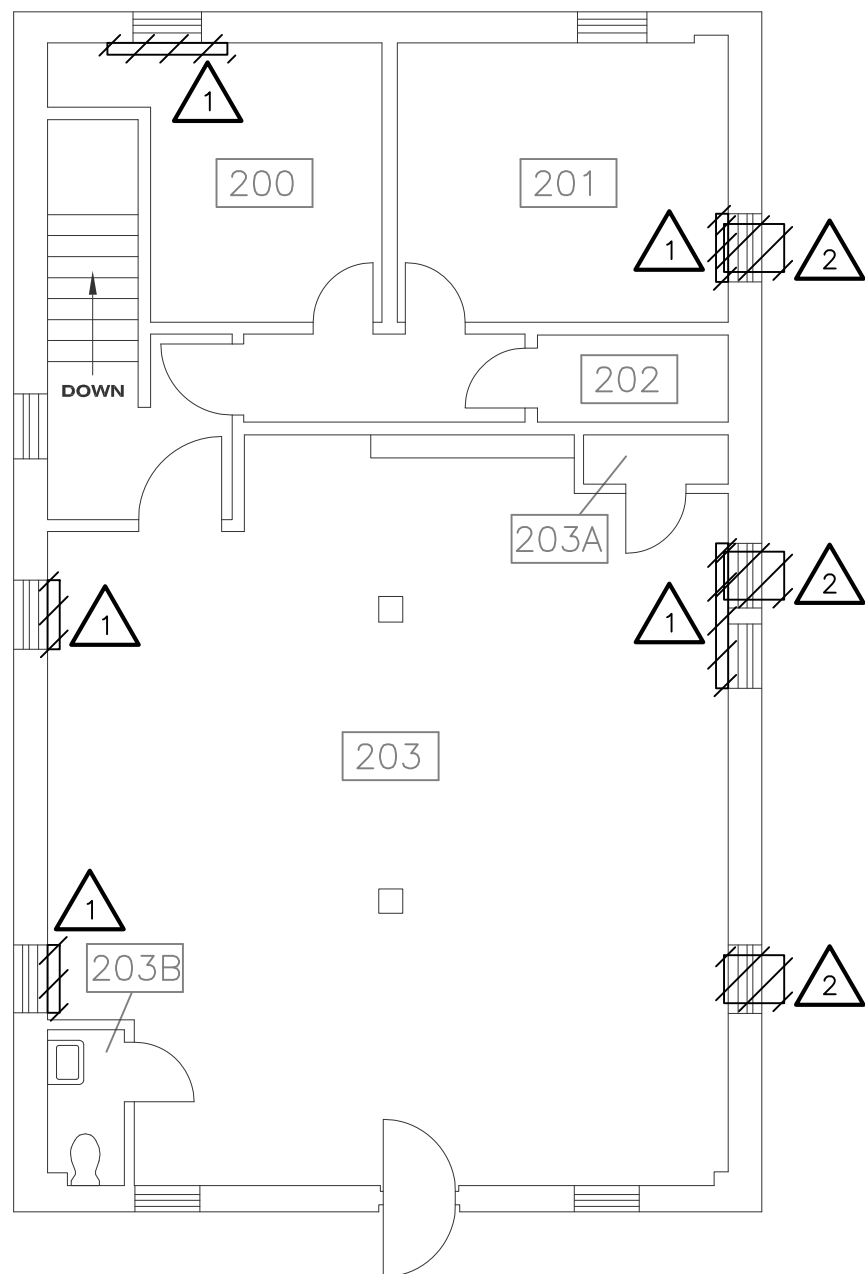
one eighth inch = one foot

GENERAL DEMOLITION NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
2. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.
3. ALL DEMOLITION OF THE EXISTING MECHANICAL SYSTEMS, INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONTROLS, SUPPORTS, HANGERS, AND EQUIPMENT SHALL BE UNDER SCOPE OF DIVISION 15 OF THE SPECIFICATIONS.
4. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED.

DEMOLITION KEY NOTES

- 1 EXISTING BASEBOARD STEAM RADIATION TO BE REMOVED
- 2 EXISTING WINDOW AIR CONDITIONING UNIT TO BE REMOVED. CONTRACTOR SHALL PROPERLY DISPOSE OF UNIT.
- 3 EXISTING SPLIT SYSTEM A/C UNIT TO BE REMOVED



BUILDING 52 SECOND FLOOR MECHANICAL DEMO PLAN
SCALE: 1/8" = 1'-0"



BUILDING 51 + 52 FIRST FLOOR MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



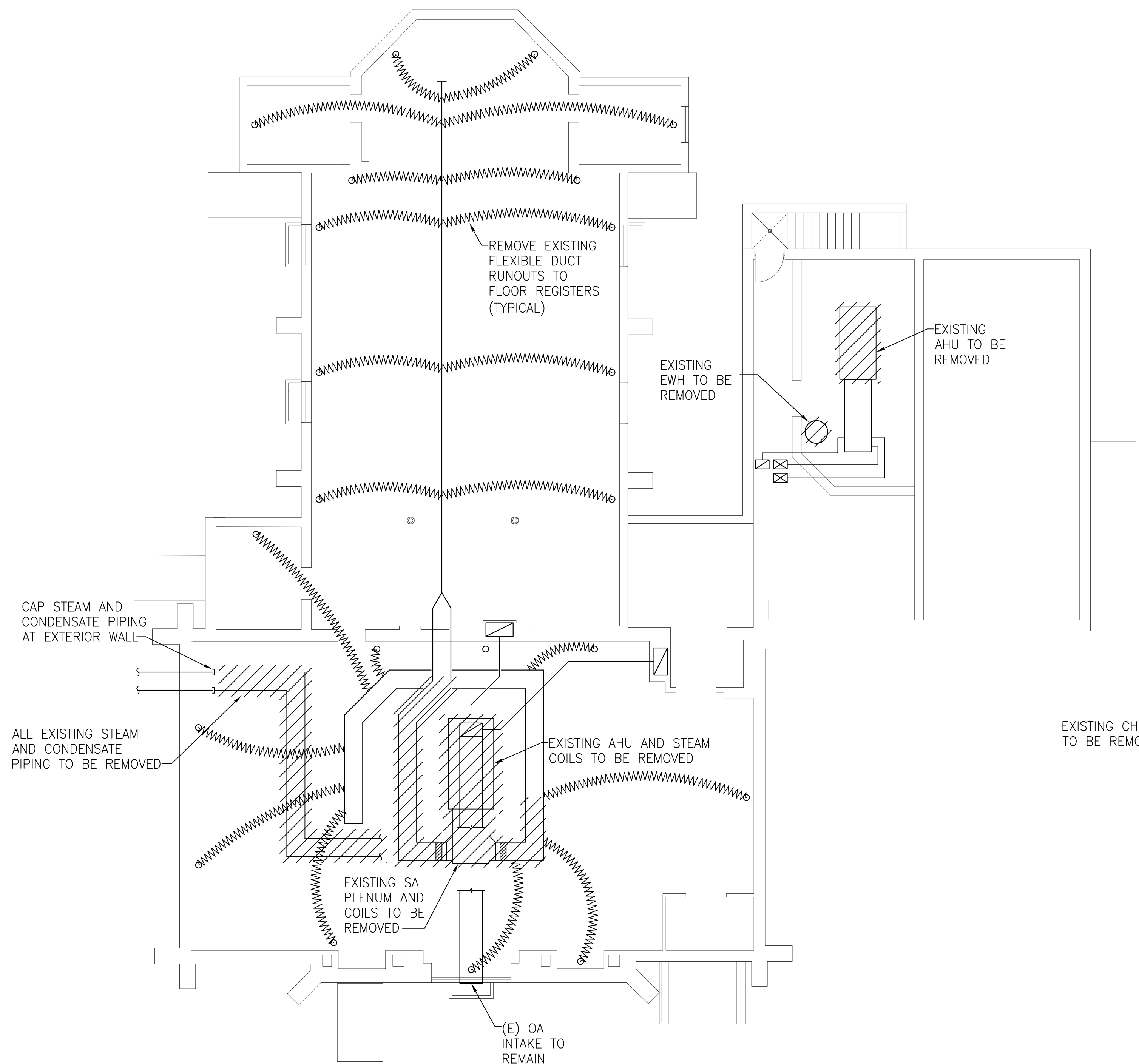
BUILDING 51 + 52 BASEMENT MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES		ARCHITECT/ENGINEERS:		Drawing Title: BUILDING 51 + 52 MECHANICAL DEMOLITION PLANS		Project Title: GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM		Project Number: 2010 536 02		Office of Construction and Facilities Management Department of Veterans Affairs	
100% CONSTRUCTION DRAWINGS						Location: VA - MARION, INDIANA		Building Number: 51 + 52			
90% CONSTRUCTION DRAWINGS						Date: 02-22-11		Checked: SDS			
Revisions:						Drawn: PDH		Drawing Number: MD102			
Revisions:								Dwg. 7 of 34			

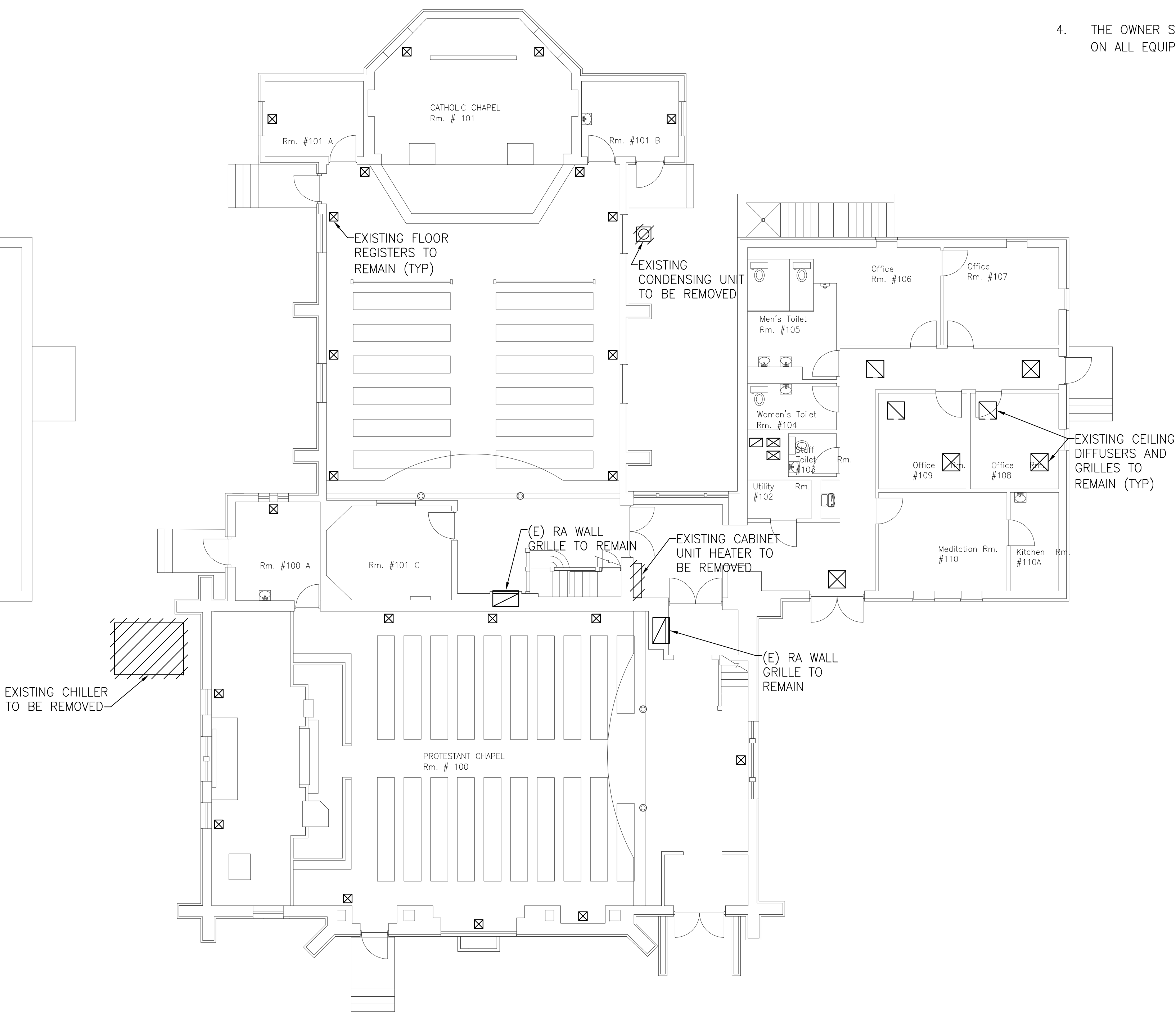
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

GENERAL DEMOLITION NOTES


1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
2. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.
3. ALL DEMOLITION OF THE EXISTING MECHANICAL SYSTEMS, INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONTROLS, SUPPORTS, HANGERS, AND EQUIPMENT SHALL BE UNDER SCOPE OF DIVISION 15 OF THE SPECIFICATIONS.
4. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED.



BUILDING 65 BASEMENT MECHANICAL DEMOLITION PLAN
SCALE 1/8" = 1'-0"

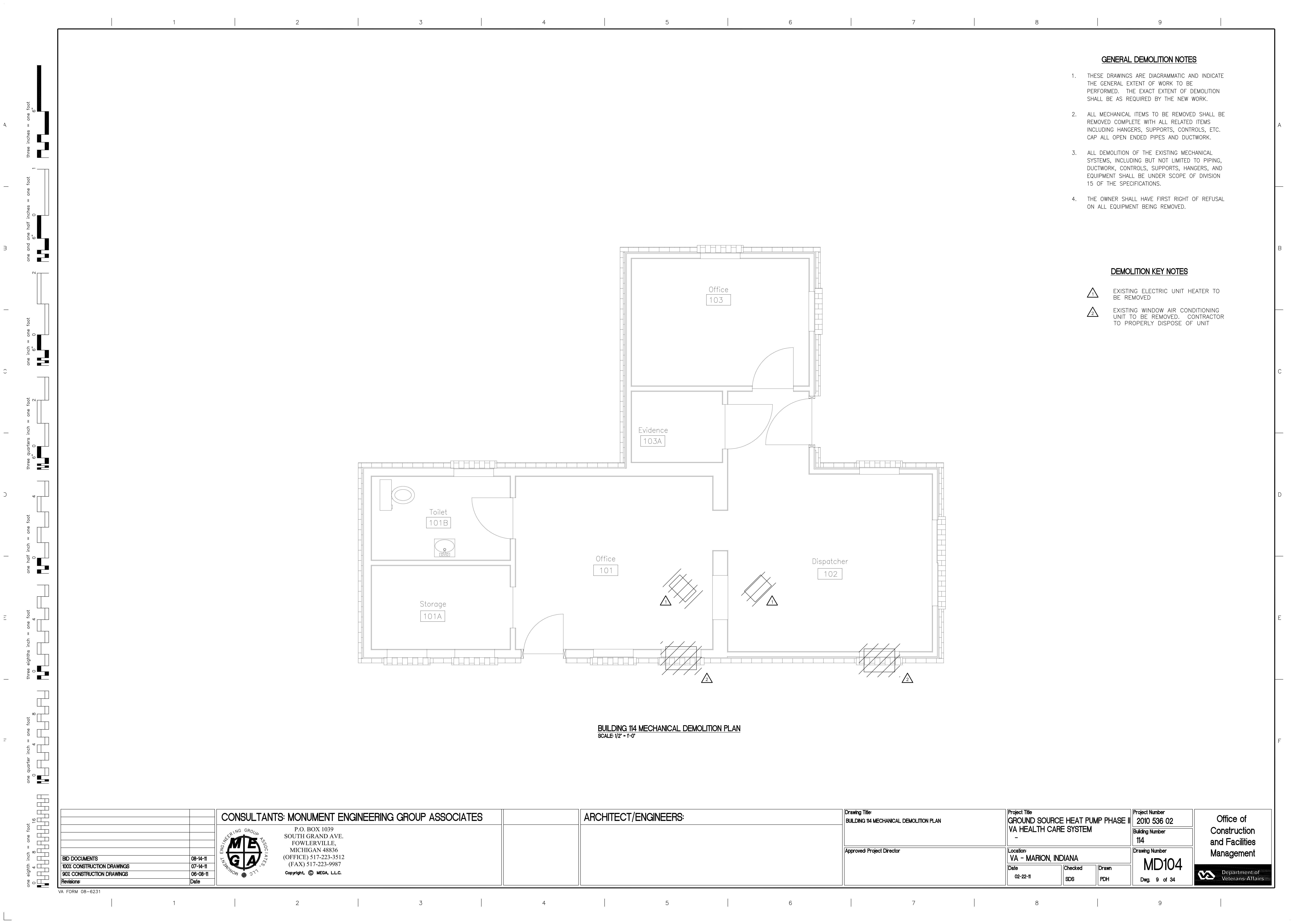


BUILDING 65 FIRST FLOOR MECHANICAL DEMOLITION PLAN
SCALE 1/8" = 1'-0"

CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES		ARCHITECT/ENGINEERS:		Drawing Title: BUILDING 65 MECHANICAL DEMOLITION PLANS		Project Title: GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM		Project Number: 2010 536 02		Office of Construction and Facilities Management	
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						Date: 02-22-11		Checked: SDS		Drawing Number: MD103	
Revisions:						Drawn: PDH				Dwg. 8 of 34	
100% CONSTRUCTION DRAWINGS 07-14-11											
90% CONSTRUCTION DRAWINGS 06-08-11											
08-14-11											
07-14-11											
06-08-11											
Date											

BID DOCUMENTS 08-14-11	
100% CONSTRUCTION DRAWINGS 07-14-11	
90% CONSTRUCTION DRAWINGS 06-08-11	
Revisions: Date	

Department of Veterans Affairs	
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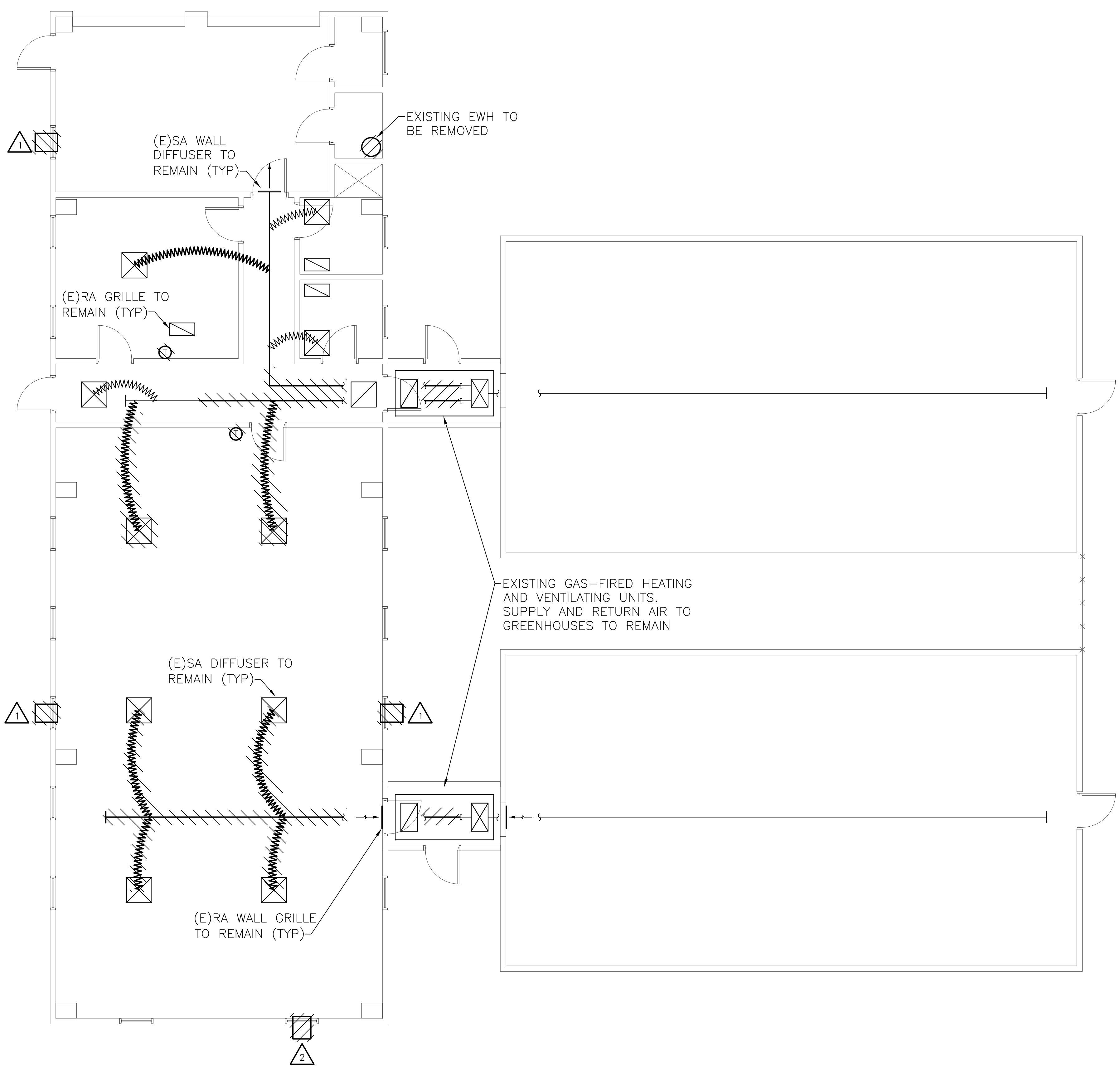
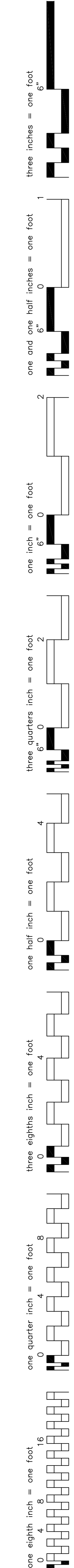
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GENERAL DEMOLITION NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
2. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.
3. ALL DEMOLITION OF THE EXISTING MECHANICAL SYSTEMS, INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONTROLS, SUPPORTS, HANGERS, AND EQUIPMENT SHALL BE UNDER SCOPE OF DIVISION 15 OF THE SPECIFICATIONS.
4. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED.

DEMOLITION KEY NOTES

-  EXISTING WINDOW AIR CONDITIONING UNIT TO BE REMOVED. CONTRACTOR TO PROPERLY DISPOSE OF UNIT.

BUILDING 173 MECHANICAL DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

		CONSULTANTS: MONUMENT ENGINEERING GROUP ASSOCIATES		ARCHITECT/ENGINEERS:		Drawing Title: BUILDING 173 MECHANICAL DEMOLITION PLAN		Project Title: GROUND SOURCE HEAT PUMP PHASE II VA HEALTH CARE SYSTEM		Project Number: 2010 536 02		Office of Construction and Facilities Management Department of Veterans Affairs	
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						Location: VA - MARION, INDIANA		Drawing Number: MD106					
						Approved: Project Director		Date: 02-22-11		Checked: SDS			
Revisions:		Date								Dwg. 11 of 34			