

Northeast  
Metropolitan  
Regional  
Vocational High  
School

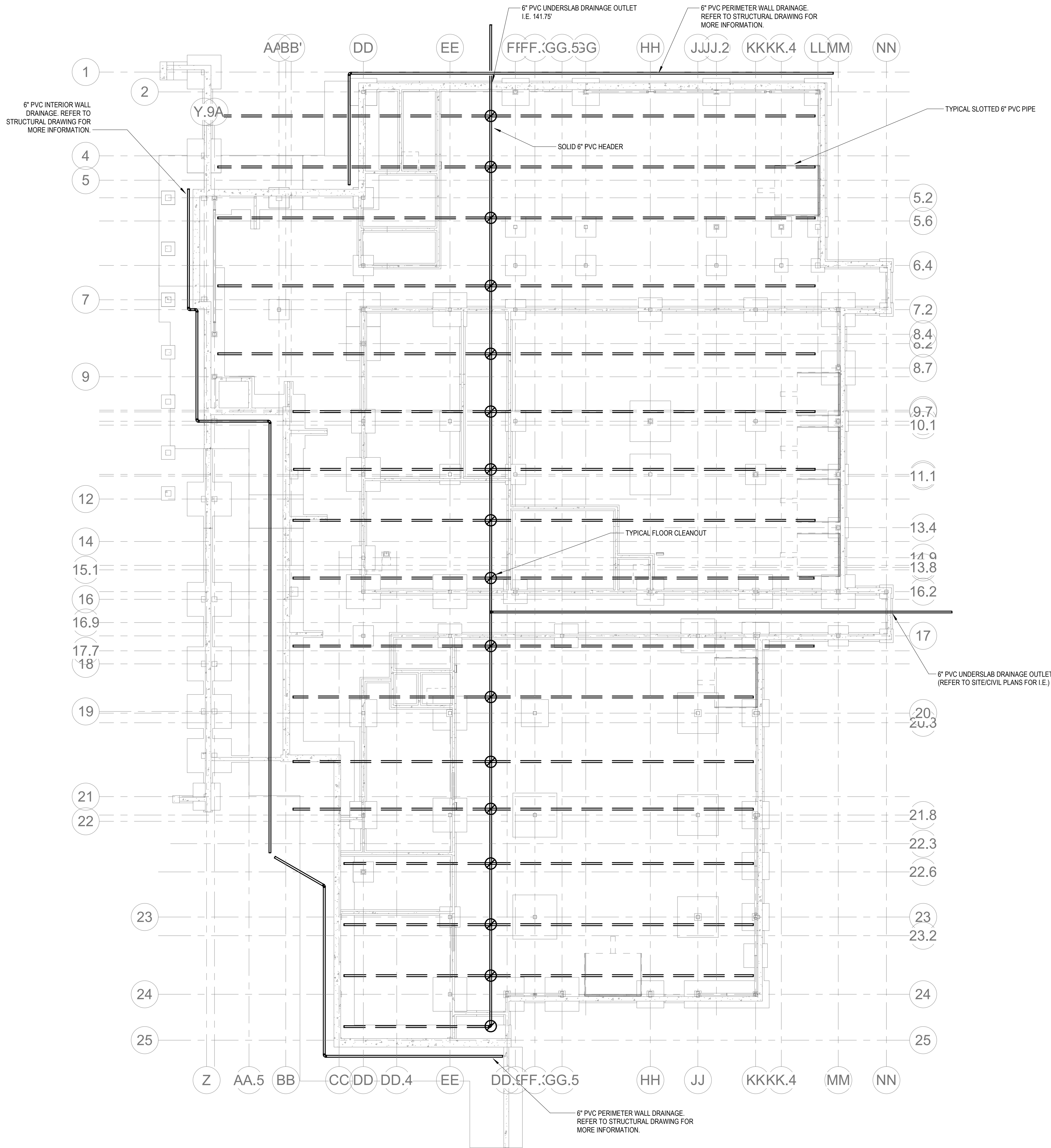
Wakefield, MA 01880

## SCOPE NOTES:

UNDERSLAB DRAINAGE SHALL CONSIST OF:

1. A MINIMUM OF 12 INCHES OF 3/4 INCH CRUSHED STONE PLACED BELOW THE SLAB.
2. 6 INCH DIAMETER SLOTTED PVC PIPES INSTALLED WITH THEIR INVERTS AT LEAST 24 INCHES BELOW THE BOTTOM OF THE SLAB. THE PIPES SHALL BE INSTALLED IN TRENCHES PLACED AT 10-15 FEET APART. THE TRENCHES SHALL BE 18 INCHES WIDE AND 12 INCHES DEEP BELOW THE BOTTOM OF THE 12 INCHES OF CRUSHED STONE) TO ALLOW PLACING CRUSHED STONE AROUND THE PVC PIPE.
3. THE SLOTTED PVC PIPES SHOULD CONNECT TO A 4 INCH SOLID PVC HEADER PIPE THAT COLLECTS AND CHANNELS THE COLLECTED WATER OUT OF THE BUILDING.
4. CLEAN OUTS SHALL BE INCLUDED AT THE END OF THE PERFORATED PIPES.
5. UNDER SLAB DRAINAGE PIPES SHALL CONSIST OF 6 INCH SCHEDULE 40 PVC.
6. THE LAYOUT OF THE UNDER SLAB DRAINAGE SYSTEM SHOULD NOT BE CONNECTED TO OTHER DRAINAGE PIPES, PERIMETER DRAINS, OR ROOF LEADERS.
7. OUTLET PIPES SHALL BE SLOPED AWAY FROM THE BUILDING AS TO PREVENT BACKFLOW INTO THE BUILDING.
8. THE UNDERSLAB DRAINAGE SYSTEM SHOWN IN THESE DRAWINGS IS TO SHOW THE GENERAL LAYOUT OF THE SYSTEM. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS SHOWING UNDER SLAB DRAINAGE SYSTEM AS RECONCILED WITH FOUNDATIONS AND OTHER UTILITIES. THE SYSTEM SHALL NOT BE INSTALLED UNTIL THE SHOP DRAWINGS ARE REVIEWED AND APPROVED.
9. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PERIMETER AND INTERIOR WALL DRAINS.
10. LOCATION OF UNDER SLAB DRAINAGE PIPES MAY BE ADJUSTED IN THE FIELD AS NEEDED. IF ADJUSTMENT IS MORE THAN 1 FEET, THE GEOTECHNICAL ENGINEER MUST BE NOTIFIED TO REVIEW NEW LOCATION.

FINISHED FLOOR ELEVATION AT LOWER LEVEL IS 143.97'

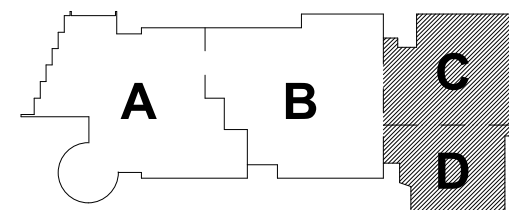
1  
GT-0-1  
GEOTECHNICAL PLAN - EAST  
1/16" = 1'-0"

## DRAWING LIST - GEOTECHNICAL

DRAWING NUMBER	DRAWING TITLE	05-18-2021 CHEMIST DESIGN	06-23-2022 DESIGN DEVELOPMENT COST ESTIMATE SET	08-04-2022 MSBA DESIGN DEVELOPMENT	11-12-2022 60% CONSTRUCTION DOCUMENTS COST ESTIMATING SET	12-05-2022 EARLY SITE PREPARATION CONTRACT DOCUMENTS	01-13-2023 MSBA 60% CD SUBMISSION			
GT-0-1	GEOTECHNICAL PLAN EAST									
GT-0-2	GEOTECHNICAL PLAN WEST									

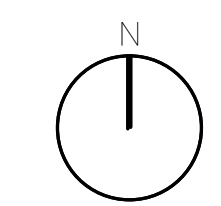
MSBA 60% CD  
SUBMISSION

January 13, 2023

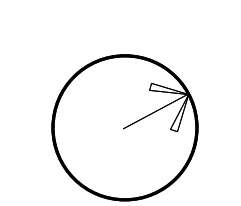


## KEY PLAN

PROJECT NORTH



MAGNETIC NORTH

GEOTECHNICAL  
PLAN EAST

Scale: 1/16" = 1'-0"

Job No.: 20202

Drawn By: DRA

Date: January 13, 2023

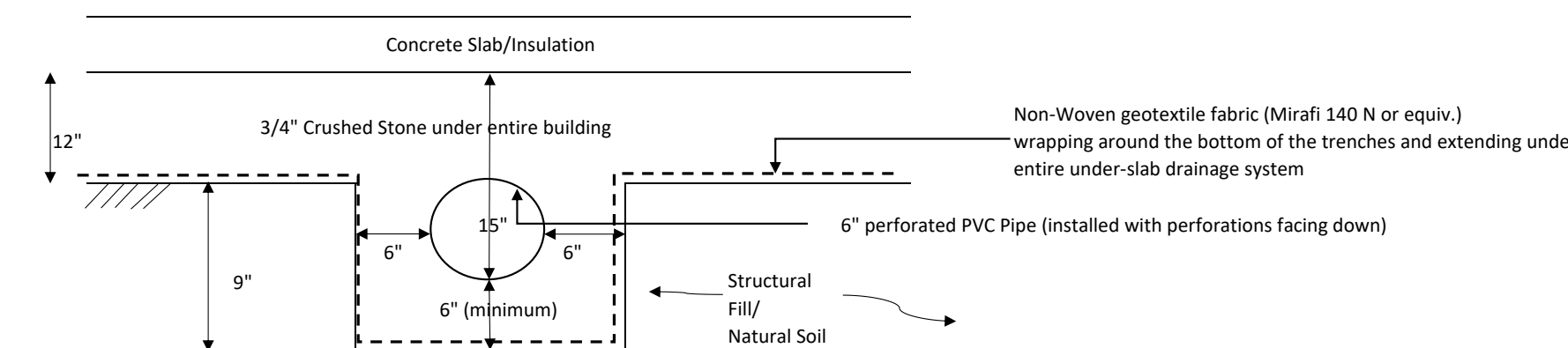
GT-0-1

SCOPE NOTES:

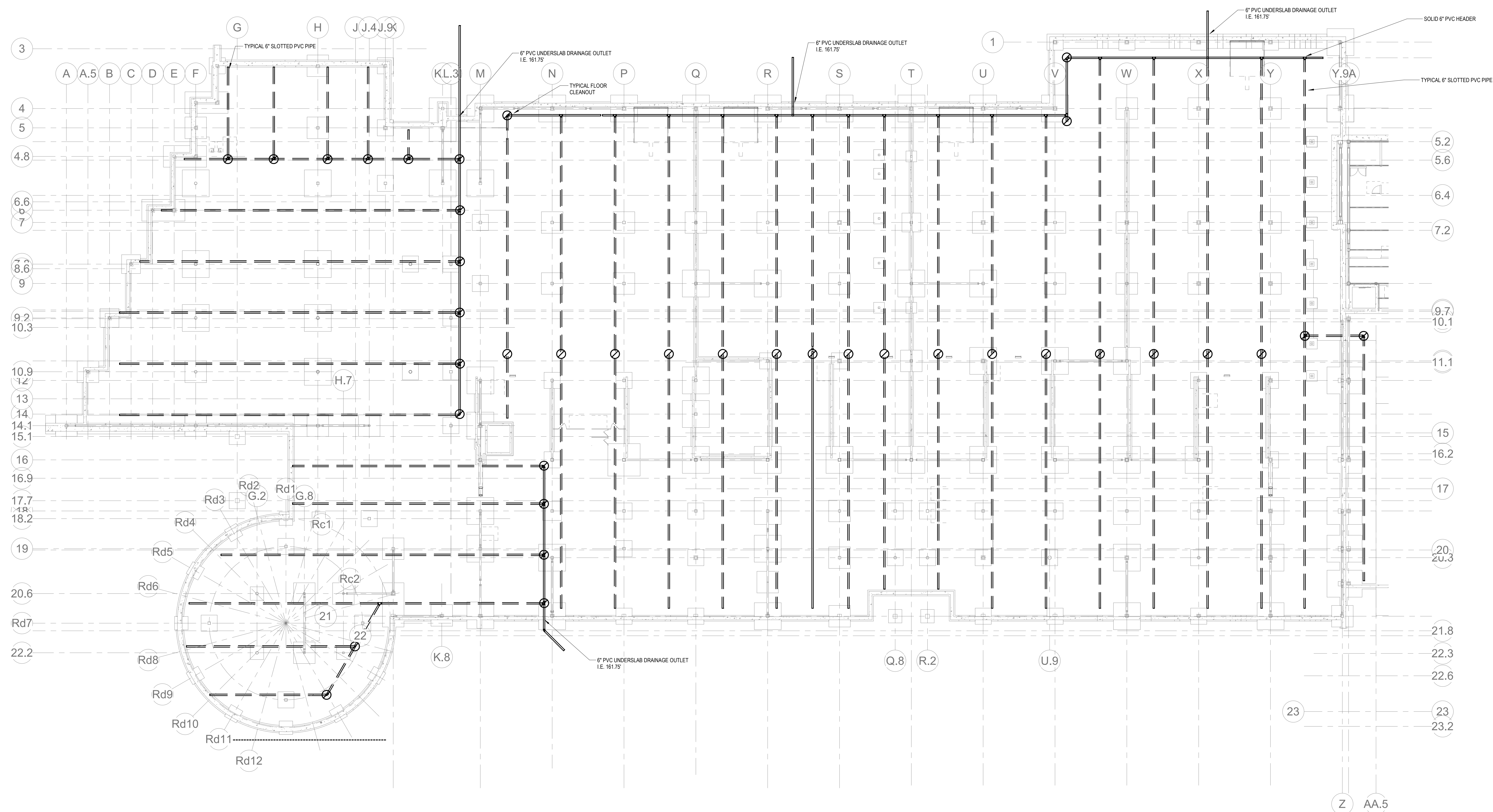
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FINISHED FLOOR ELEVATION AT FIRST FLOOR IS 163.97'



Under-Slab Drainage Detail (trenches at 15- to 20-foot spacing to clear footings)  
(NTS)

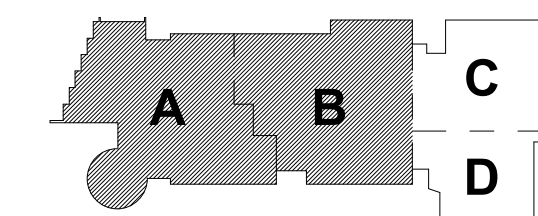


1  
GT-02  
GEOTECHNICAL PLAN - WEST  
1/16" = 1'-0"

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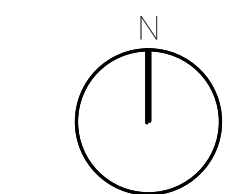
MSBA 60% CD  
SUBMISSION

January 13, 2023

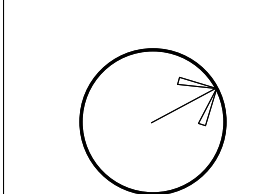


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



GEOTECHNICAL  
PLAN WEST

Scale: 1/16" = 1'-0"

Job No.: 20202

Drawn By: DRA

Date: January 13, 2023

GT-0-2