GEOTECHNICAL EVALUATION

THE BUILDING AREA OF THE SITE IS LOCATED WHERE HmA, HOWARD GRAVELLY LOAM AS INDICATED IN THE SOILS SURVEY OF ERIE COUNTY, NEW YORK AND THE NATIONAL COOPERATIVE SOIL SURVEY

SOIL SETTING

MEAN ANNUAL PRECIPITATION: 32 TO 42 INCHES
MEAN ANNUAL AIR TEMPERATURE: 43 TO 48 DEGREES F
FROST-FREE PERIOD: 90 TO 165 DAYS

SOIL COMPOSITION

HOWARD AND SIMILAR SOILS: 80 PERCENT
MINOR COMPONENTS: 20 PERCENT

PROPERTIES AND QUALITIES

SLOPE: 0 TO 3 PERCENT
DEPTH TO RESTRICTIVE FEATURE: MORE THAN 80 INCHES
DRAINAGE CLASS: MODERATELY WELL DRAINED
CAPACITY OF THE MOST LIMITING LAYER TO TRANSMIT WATER (Ksat):
MODERATELY HIGH TO HIGH (0.57 TO 5.95 IN/HR)
DEPTH TO WATER TABLE: MORE THAN 80 INCHES
FREQUENCY OF FLOODING: NONE
FREQUENCY OF PONDING: NONE
AVAILABLE WATER STORAGE IN PROFILE: LOW (ABOUT 4.8 INCHES)

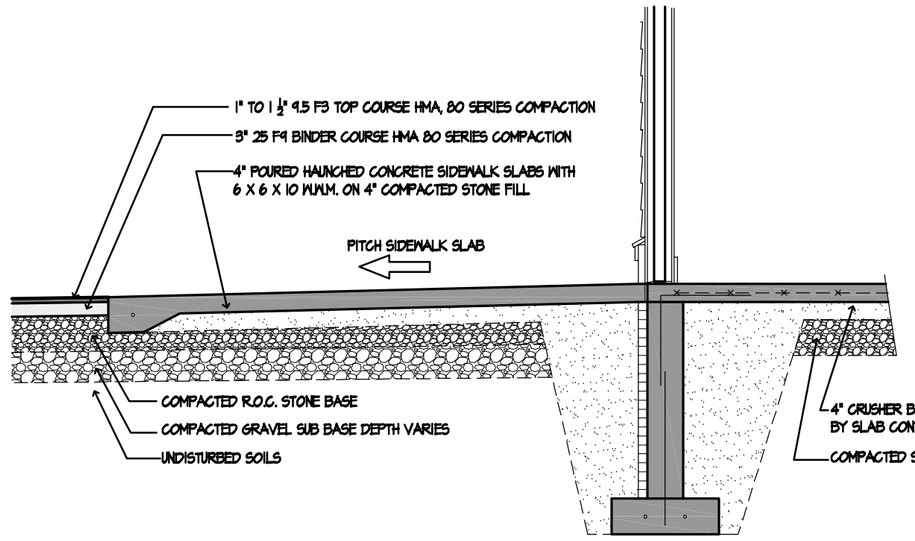
TYPICAL PROFILE

H1 - 0 TO 8 INCHES: GRAVELLY LOAM
H2 - 8 TO 36 INCHES: VERY GRAVELLY LOAM
H3 - 36 TO 45 INCHES: VERY GRAVELLY LOAM
H4 - 45 TO 60 INCHES: STRATIFIED EXTREMELY GRAVELLY SAND

INTERPRETIVE GROUPS

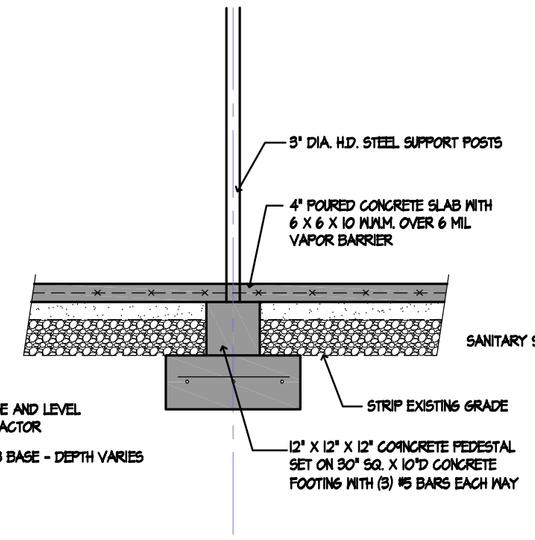
LAND CAPABILITY (IRRIGATED): NONE SPECIFIED
LAND CAPABILITY (NONIRRIGATED): 2s
HYDROLOGIC SOIL GROUP: A

BASED UPON THE SOIL SURVEY INFORMATION, THE LOAD BEARING VALUES IN NEW YORK STATE CODE TABLE 1804.2, ALLOWABLE FOUNDATION BEARING PRESSURE, SHALL BE ASSUMED AT 3,000 P.S.F. WITH A LATERAL BEARING OF 200 P.S.F. BELOW NATURAL GRADE. THE OWNER/CONTRACTOR SHALL CONTACT THE ARCHITECT AT TIME OF EXCAVATION SO AN ON-SITE VISIT CAN BE CONDUCTED TO DETERMINE THAT THE ACTUAL SOIL CONDITIONS ARE AS ANTICIPATED AND FOLLOW UP WITH A DOCUMENTING FIELD REPORT TO THE OWNER AND BUILDING DEPARTMENT.



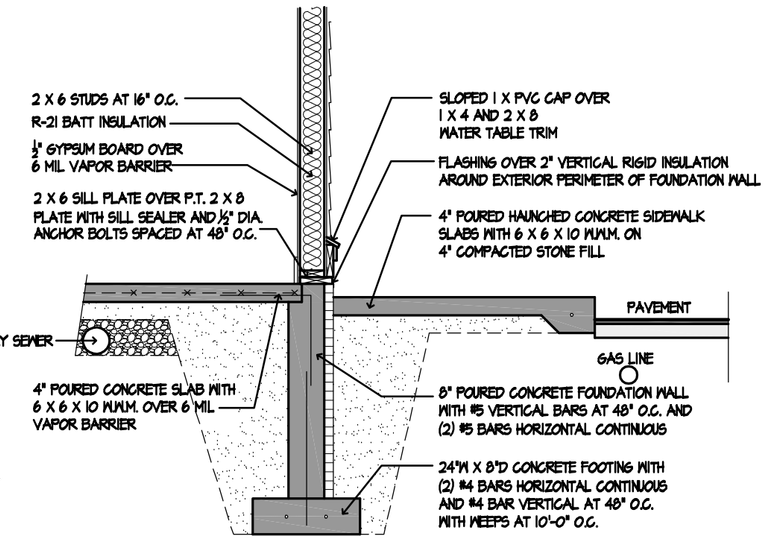
1 TYPICAL FOUNDATION WALL DETAIL

SCALE: 3/4" = 1'-0"



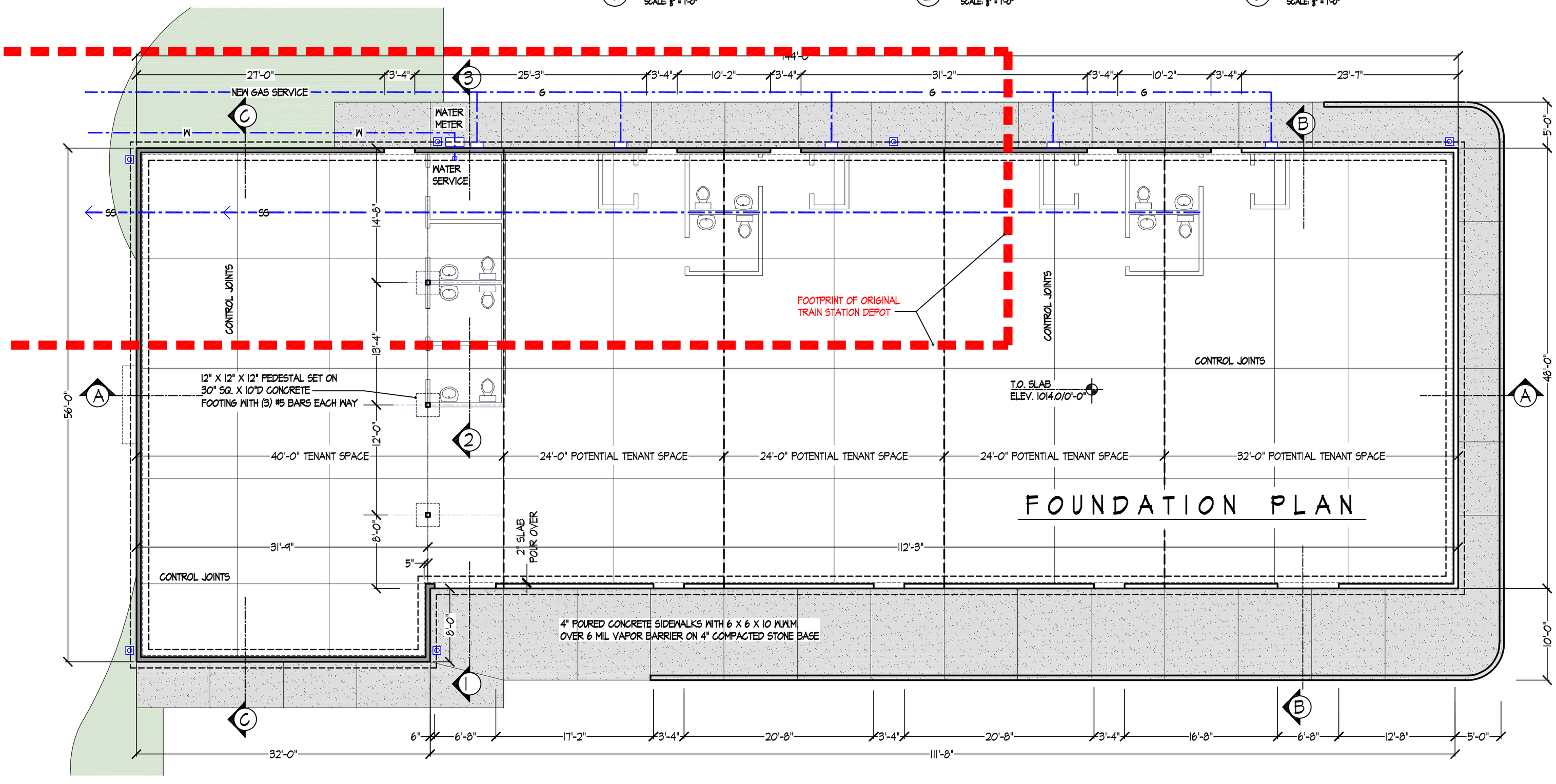
2 TYPICAL INTERIOR FOOTING DETAIL

SCALE: 3/4" = 1'-0"



3 TYPICAL FOUNDATION WALL DETAIL

SCALE: 3/4" = 1'-0"



FOUNDATION PLAN

New Commercial / Retail Building
At
184 South Main Street
Warsaw, New York 14569

60% Complete Bid Set Construction Drawings

AURORA ARCHITECTURAL
686 Quaker Road
East Aurora, N.Y. 14052
(716) 655-3110
greg@auroraarch.com

DATE: October 15, 2025
SCALE: 1/8" = 1'-0"
JOB NO: 24.03
DRAWN BY: AA
CHECKED: GKS
REVISED:

SHEET: FOUNDATION PLAN AND NOTES

DRAWING NO. **A-2**

IN SET OF: 5