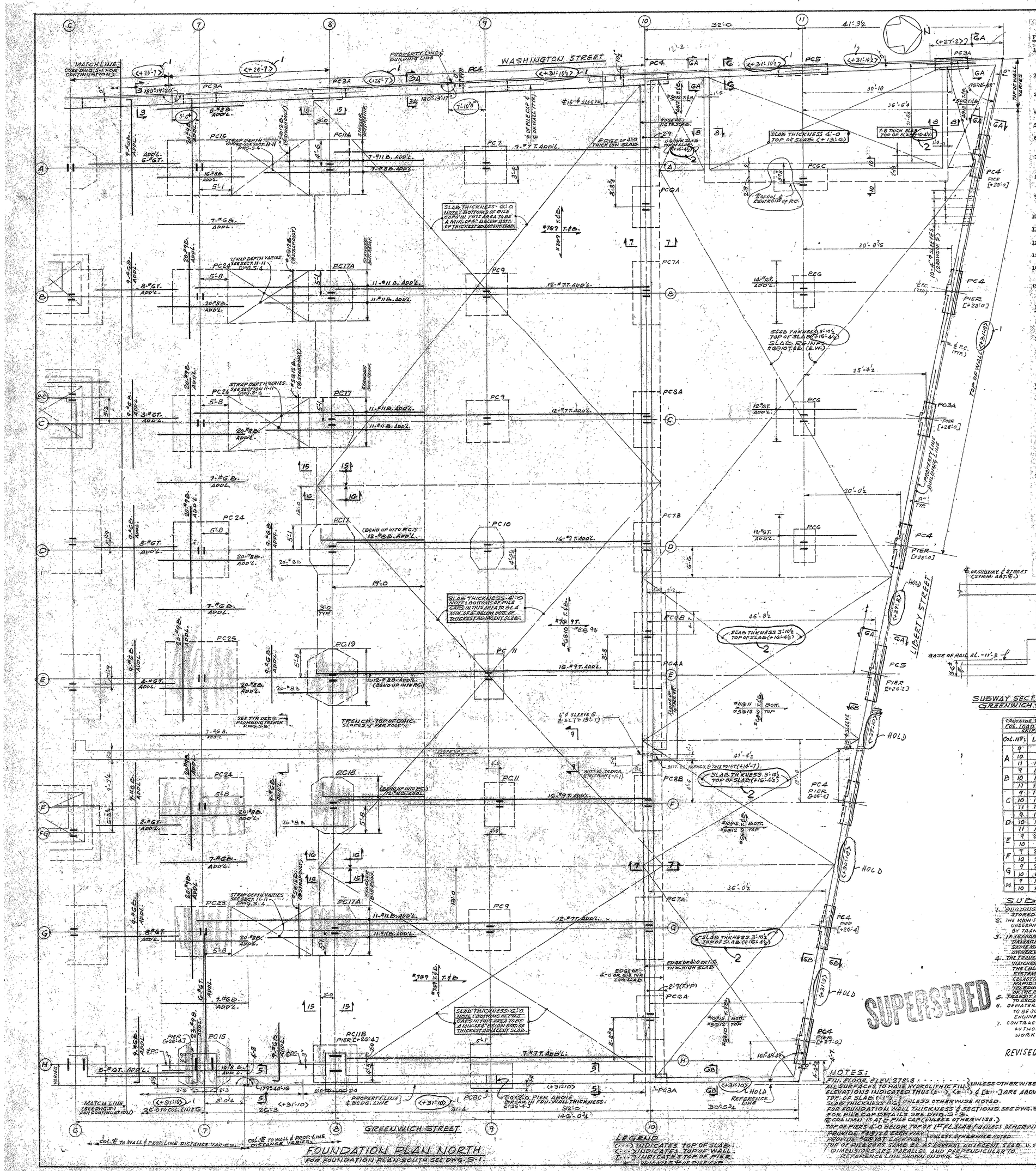


## FOUNDATION NOTES:

1. All concrete for piers, pile caps and slabs to be 5000 lbs. per square inch controlled concrete. All concrete for foundation walls to be 3500 lbs. per square inch controlled concrete.
2. Piers shall be reinforced with 1% of vertical reinforcement (#5 min.) uniformly spaced around perimeter and #3 ties 10" o.c.
3. Elevations are given relative to architects datum (0'-0") which is City datum elevation (+300.00).
4. Provide pockets in foundation walls for wall bearing beams.
5. First dimension of piers is parallel to web of column above unless otherwise noted.
6. No backfill shall be placed against foundation walls until adjoining floors have been poured and attained initial set.
7. For all exterior wall columns, omit wall directly over pier until after steel is erected and then fill in with stone concrete by superstructure contractor.
8. Provide slots, holes and openings in foundation walls as required for electrical and mechanical trades.
9. No construction shall be started before borings are submitted in accordance with Sect. C26-1101.0 of the Administrative Code.
10. Provide ejector pits, sump pits, etc. as called for on architectural and mechanical drawings.
11. Provide water stops where shown on drawings and at all joints.
12. No achor bolts, dowels, etc. permitted to pierce hydrolithic finish for concrete pads, etc.
13. Load test will be filed in accordance with Sect. C26-1107.1 of the Administrative Code.
14. All reinforcement shall be deformed bars of intermediate grade new billet steel conforming to current requirements of ASTM 615.60.
15. All grout under column billets shall be non-shrink and shall have a minumum compressive strength of 7500 psi at 28days as measured by 2"x2"x2" cubes to be taken and tested as per the procedure in A.S.T.M.-C107 latest Edition. Such cubes shall be taken from the field mix by an independent laboratory and the results shall be reported to the supervising engineer and Department of Buildings.

## FIELD PROCEDURE NOTES:

1. No horizontal joints shall be placed in walls except as shown on drawings, without the approval of the engineer.
2. For water stop requirements see Foundation Specifications.
3. Maximum lengths of foundation wall pour in one operation shall be no more than 60 feet.

## CONTROLLED CONCRETE NOTES:

1. All concrete work shall be inspected by a Licensed Professional Engineer engaged by the Owner and approved by the Engineer of Record as per C26-1004.0 of the New York City Building Code. A record shall be kept of such inspections covering the quantity and quality of concrete materials, the progress of the work, the mixing of concrete and placing of the reinforcing steel, the temperatures, including those of the concrete when placed, and the protection given the concrete during curing. Such records shall be kept on file by the architect during the progress of the work and for two years after completion of the structure, and shall be available for inspection by the Superintendent at all times during this period as per Sect. C26-1004.4 of the New York City Building Code. Four standard cylinders should be made per 50 cubic yards of concrete as per RS 10-3 (Sect. 504). Costs of all tests and inspections to be borne by the Owner.
2. During the progress of the work, samples of concrete shall be taken directly from the mixer and tested as per RS 10-3 of the New York City Building Code. Records of slump, air content, temperatures, weight per cubic foot and compression tests of concrete samples shall be kept and filed with the Building Department. Twenty-eight days after the specimens are molded, three acceptance cylinders shall be tested in compression in accordance with ASTM C39-61 by an approved testing laboratory. The test strength shall be the average of the breaking strengths of the three acceptance cylinders. The fourth cylinder cast shall be similarly tested in compression seven days after it is molded.
3. Before any concrete work is performed, an amendment (Form 10A) shall be submitted by the Licensed Professional Engineer engaged by the Owner and approved by the Engineer of Record, stating that he has assumed responsibility for inspection of the concrete work and will file all reports as required by the Department of Buildings.

| REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| 1. | 10-20-71 | REVISED AS CIRCLED 1. |
| 2. | 11-2-71 | REVISED TOP OF WALL AS CIRCLED 1 AND GENERAL REV'S. FOR TRENCH. |
| 3. | | REVISED AS CIRCLED 2. |

(OUTSIDE TOWER) COL. LOAD SCHED. 20-25

| COL. NO's | | LOAD |
|---|---|---|
| | 9 | 780 |
| A | 10 | 680 |
| | 11 | 1030 |
| | 9 | 1390 |
| B | 10 | 1250 |
| | 11 | 1120 |
| | 9 | 1490 |
| C | 10 | 1400 |
| | 11 | 1090 |
| | 9 | 1950 |
| D | 10 | 1450 |
| | 11 | 1150 |
| | 9 | 2310 |
| E | 10 | 850 |
| | 9 | 2100 |
| F | 10 | 2100 |
| | 9 | 2100 |
| G | 10 | 1750 |
| H | 9 | 1300 |
| | 10 | 1500 |

## SUBWAY NOTES:

1. BUILDING MATERIALS & EQUIPMENT ARE NOT TO BE STORED ON SUBWAY, VENTILATORS OR BEAMS.
2. THE MAIN SUBWAY STRUCTURE & SUBWAY VENTILATORS ARE TO BE UNDERPINNED OR SHORED AND BRACED IF AND AS DIRECTED BY TRANSIT AUTHORITY ENGINEER.
3. IF ANY PORTION OF THE SUBWAY STRUCTURE (OR FINISH) IS DAMAGED, IT SHALL BE REPAIRED OR REPLACED WITH THE SAME MATERIALS AS NOW IN PLACE, AT THE EXPENSE OF THE OWNER OF THE BUILDING.
4. THE TRANSIT AUTHORITY FURTHER RESERVES THE RIGHT TO PLACE WATCHMEN, FLAGMEN, INSPECTORS TO PROVIDE IN PROXIMITY TO THE CONTROLLED PILE DRIVING SITE LINKED BY TELEPHONE SYSTEM, IF DEEMED NECESSARY, TO OBSERVE THE EFFECTS OF (BLASTING OR PILE DRIVING) OPERATIONS, ADJACENT TO THE PARALLEL IND. TUBES. THE COST OF THIS PERSONNEL AND TELEPHONE IN QUESTION MUST BE BORNE BY THE OWNER OF THE BUILDING.
5. TRANSIT AUTHORITY IS TO GET SEVEN DAYS NOTICE PRIOR TO EXCAVATIONS.
6. DEWATERING OPERATION ADJACENT TO TRANSIT STRUCTURE TO BE SUBJECT TO SUPERVISION BY TRANSIT AUTHORITY ENGINEER.
7. CONTRACTOR TO ARRANGE A MEETING WITH TRANSIT AUTHORITY ENGINEER PRIOR TO STARTING FOUNDATION WORK.

REVISED FOR 100 TONS PILE CAPACITY SEPT. 13-71

## NOTES:

F.W. FLOOR ELEV. 278'-8 . . . . . } UNLESS OTHERWISE NOTED.
ALL SURFACES TO HAVE HYDROLITHIC FIN.
ELEVATIONS INDICATED THUS (+...), (+...) & [+...] ARE ABOVE OR BELOW EL. 278'-8.
TOP OF SLAB (-1'-0)
SLAB THICKNESS 12" } UNLESS OTHERWISE NOTED.
FOR FOUNDATION WALL THICKNESS & SECTIONS SEE DWG. S-3; SEE DWG. S-4 FOR OTHER SECTIONS.
FOR PILE CAP DETAILS SEE DWG. S-3.
℄ COLUMN IS AT ℄ PILE CAP (UNLESS OTHERWISE.)
TOP OF PIERS 4'-0 BELOW TOP OF 1ST FL. SLAB (UNLESS OTHERWISE NOTED.)
PROVIDE #8@12 EACH WAY } UNLESS OTHERWISE NOTED.
PROVIDE #6@10 T. EACH WAY
TOP OF PILE CAPS SAME EL. AT LOWEST ADJACENT SLAB. U.O.N.
DIMENSIONS ARE PARALLEL AND PERPENDICULAR TO REFERENCE LINE SHOWN ON DWG. S-1.

FOR CONCRETE BIDS ONLY 12-1-71

# BANKERS TRUST PLAZA

A FISHER BROTHERS PROJECT

GREENWICH AND LIBERTY ST. N.Y. N.Y.

SHREVE, LAMB & HARMON ASSOCIATES P.C.
ARCHITECTS
475 PARK AVENUE SOUTH N.Y. N.Y. 10016

PETERSON AND BRICKBAUER
ASSOCIATED ARCHITECTS
919 THIRD AVENUE N.Y. N.Y. 10022

THE OFFICE OF JAMES RUDERMAN
STRUCTURAL ENGINEERS
515 MADISON AVENUE N.Y. N.Y. 10022

J A R O S , B A U M & B O L L E S
MECH. & ELEC. ENGINEERS
345 PARK AVENUE N.Y. N.Y. 10022

FOUNDATION PLAN (NORTH)

REC'D. BY BANKERS TRUST

PROJECT NUMBER 7101

DRAWING NUMBER S-2

DATE

SCALE